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

Cover Page

Order ID : Q1206

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1206-01	JPP-20.1-012725
Q1206-02	JPP-20.1-012725
Q1206-03	JPP-20.1-012725
Q1206-04	JPP-20.1-012725
Q1206-05	JPP-16.3-012725
Q1206-06	JPP-16.3-012725
Q1206-07	JPP-16.3-012725
Q1206-08	JPP-16.3-012725

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: 2/12/2025

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 # Q1206
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
8 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 df The 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%], due to matrix interference therefore no corrective action was taken.

The MSD {Q1209-05MSD} with File ID: BF141316.D recoveries met the acceptable requirements except for Benzaldehyde[109%], due to matrix interference therefore no corrective action was taken.
The RPD met criteria.

The Blank Spike for {PB166335BS} with File ID: BF141303.D met requirements for all samples except for Hexachlorocyclopentadiene[176%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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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-16.3-012725 analyzed with direct 2X dilution due to concentrated matrix

Sample JPP-20.1-012725 was diluted due to high concentration.

E. Additional Comments:
The Sample JPP-20.1-012725, JPP-20.1-012725DL, JPP-16.3-012725, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.
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 <15% 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 > 15% 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_____

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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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

CHEMTECH PROJECT NUMBER: Q1206 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.			
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%], due to matrix interference therefore no corrective action was taken. The MSD {Q1209-05MSD} with File ID: BF141316.D recoveries met the acceptable requirements except for Benzaldehyde[109%], due to matrix interference therefore no corrective action was taken. The Blank Spike for {PB166335BS} with File ID: BF141303.D met requirements for all samples except for Hexachlorocyclopentadiene[176%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.			

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

(CONTINUED)

		NA	NO	YES
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:

The Sample JPP-20.1-012725, JPP-20.1-012725DL, JPP-16.3-012725, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

Samples JPP-16.3-012725 analyzed with direct 2X dilution due to concentrated matrix

Sample JPP-20.1-012725 was diluted due to high concentration.

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 <15% 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 > 15% 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 #: **Q1206**

	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:** **02/12/2025**

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LAB CHRONICLE

OrderID:	Q1206	**OrderDate:**	1/28/2025 11:18:51 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
Q1206-03	**JPP-20.1-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1206-03DL	**JPP-20.1-012725DL**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/11/25	
Q1206-04	**JPP-20.1-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/04/25	
Q1206-07	**JPP-16.3-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1206-08	**JPP-16.3-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**JPP-20.1-012725**								
Q1206-03	JPP-20.1-012725	SOIL	Acenaphthene		200.000		94.7	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Fluorene		180.000	J	99.8	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Phenanthrene		2,000.000		98	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Anthracene		630.000		98.5	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Carbazole		140.000	J	93.7	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Fluoranthene		3,600.000	E	95.4	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Pyrene		2,400.000		96.9	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo(a)anthracene		1,800.000		94.2	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Chrysene		1,400.000		92.8	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo(b)fluoranthene		2,000.000		94.7	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo(k)fluoranthene		810.000		96.4	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo(a)pyrene		1,800.000		110	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Indeno(1,2,3-cd)pyrene		700.000		91.2	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Dibenzo(a,h)anthracene		230.000		94.8	200	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo(g,h,i)perylene		820.000		93.5	200	ug/Kg
			Total Svoc :		**18,710.00**				
Q1206-03	JPP-20.1-012725	SOIL	11H-Benzo[b]fluorene	*	180.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	210.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	3-Methyl-[1,1-biphenyl]-4-carbal	*	130.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	3-Methylcarbazole	*	120.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	820.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	9H-Fluoren-9-one	*	93.800	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	9H-Fluorene, 2-methyl-	*	140.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Anthracene, 2-ethyl-	*	140.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo[e]pyrene	*	320.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzo[j]fluoranthene	*	1,200.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Benzophenone	*	390.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Cyclopenta(def)phenanthrenone	*	240.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Dibenzothiophene	*	120.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Fluoranthene, 2-methyl-	*	120.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Naphthalene, 2-phenyl-	*	270.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Phenanthrene, 1-methyl-	*	580.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Phenanthrene, 2,5-dimethyl-	*	260.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Phenanthrene, 2-methyl-	*	330.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Pyrene, 1-methyl-	*	130.000	J	0	0	ug/Kg
Q1206-03	JPP-20.1-012725	SOIL	Pyrene, 4,5,9,10-tetrahydro-	*	160.000	J	0	0	ug/Kg
			Total Tics :		**5,953.80**				

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Hit Summary Sheet
SW-846

SDG No.: Q1206

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**24,663.80**				
Client ID :	**JPP-20.1-012725DL**								
Q1206-03DL	JPP-20.1-012725DL	SOIL	Acenaphthene		210.000	JD	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Phenanthrene		2,000.000	D	200	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Anthracene		610.000	D	200	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Fluoranthene		3,200.000	D	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Pyrene		2,500.000	D	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Benzo(a)anthracene		1,800.000	D	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Chrysene		1,500.000	D	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Benzo(b)fluoranthene		1,800.000	D	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Benzo(k)fluoranthene		620.000	D	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Benzo(a)pyrene		1,700.000	D	220	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Indeno(1,2,3-cd)pyrene		770.000	D	180	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Dibenzo(a,h)anthracene		240.000	JD	190	400	ug/Kg
Q1206-03DL	JPP-20.1-012725DL	SOIL	Benzo(g,h,i)perylene		830.000	D	190	400	ug/Kg
			Total Svoc :		**17,780.00**				
			Total Concentration:		**17,780.00**				
Client ID :	**JPP-16.3-012725**								
Q1206-07	JPP-16.3-012725	SOIL	Phenanthrene		700.000		200	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Fluoranthene		1,700.000		190	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Pyrene		1,400.000		200	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Benzo(a)anthracene		730.000		190	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Chrysene		680.000		190	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Benzo(b)fluoranthene		900.000		190	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Benzo(k)fluoranthene		410.000		190	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Benzo(a)pyrene		820.000		220	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Indeno(1,2,3-cd)pyrene		360.000	J	180	400	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Benzo(g,h,i)perylene		420.000		190	400	ug/Kg
			Total Svoc :		**8,120.00**				
Q1206-07	JPP-16.3-012725	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	300.000	J	0	0	ug/Kg
Q1206-07	JPP-16.3-012725	SOIL	Anthracene, 2-methyl-	*	220.000	J	0	0	ug/Kg
			Total Tics :		**780.00**				
			Total Concentration:		**8,900.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1206

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
Q1206-03	JPP-20.1-012725	2-Fluorophenol	150	70.2	47		18	112
		Phenol-d6	150	68.9	46		15	107
		Nitrobenzene-d5	100	52.0	52		18	107
		2-Fluorobiphenyl	100	49.9	50		20	109
		2,4,6-Tribromophenol	150	67.1	45		10	116
		Terphenyl-d14	100	35.5	36		10	105
Q1206-03DL	JPP-20.1-012725DL	2-Fluorophenol	150	67.9	45		18	112
		Phenol-d6	150	67.7	45		15	107
		Nitrobenzene-d5	100	50.4	50		18	107
		2-Fluorobiphenyl	100	47.5	48		20	109
		2,4,6-Tribromophenol	150	58.3	39		10	116
		Terphenyl-d14	100	34.9	35		10	105
Q1206-07	JPP-16.3-012725	2-Fluorophenol	150	51.0	34		18	112
		Phenol-d6	150	46.4	31		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	36.1	36		20	109
		2,4,6-Tribromophenol	150	51.1	34		10	116
		Terphenyl-d14	100	31.5	32		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
		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

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1206

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.: Q1206

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				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.: Q1206

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.: Q1206

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.: Q1206

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.: Q1206

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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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-20.1-012725	Q1206-03	BF141461.D	02/05/2025
JPP-16.3-012725	Q1206-07	BF141466.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:

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1206 SDG NO.: Q1206

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

Raw Data: **BF141300.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1206 SDG NO.: Q1206

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.: Q1206 SDG NO.: Q1206

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

Raw Data: **BF141446.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1206 SDG NO.: Q1206

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-20.1-012725	Q1206-03	BF141461.D	02/05/2025	21:31
JPP-16.3-012725	Q1206-07	BF141466.D	02/05/2025	23:41

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1206 SDG NO.: Q1206

Lab File ID: BF141471.D DFTPP Injection Date: 02/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 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	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (18.9) 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	BF141472.D	02/06/2025	11:07
SSTDICC005	SSTDICC005	BF141473.D	02/06/2025	11:34
SSTDICC010	SSTDICC010	BF141474.D	02/06/2025	12:00
SSTDICC020	SSTDICC020	BF141475.D	02/06/2025	12:26
SSTDICCC040	SSTDICCC040	BF141476.D	02/06/2025	12:55
SSTDICC050	SSTDICC050	BF141477.D	02/06/2025	13:21
SSTDICC060	SSTDICC060	BF141478.D	02/06/2025	13:47
SSTDICC080	SSTDICC080	BF141479.D	02/06/2025	14:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1206 SDG NO.: Q1206

Lab File ID: BF141550.D DFTPP Injection Date: 02/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	48.6
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	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.6 (19.1) 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	BF141551.D	02/11/2025	10:28
JPP-20.1-012725DL	Q1206-03DL	BF141567.D	02/11/2025	17:35

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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-20.1-012725	73862	6.79	280125	8.07	130310	9.83
02	JPP-16.3-012725	60479	6.79	215731	8.08	104225	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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

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-20.1-012725	189517	11.32	150837	13.96	120024	15.42
02	JPP-16.3-012725	180536	11.32	126264	13.96	92226	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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	100982	6.793	399334	8.08	220290	9.83
	UPPER LIMIT	201964	7.293	798668	8.575	440580	10.328
	LOWER LIMIT	50491	6.293	199667	7.575	110145	9.328
	EPA SAMPLE NO.						
01	JPP-20.1-012725DL	83557	6.79	319161	8.07	160811	9.82

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.: Q1206 SAS No.: Q1206 SDG NO.: Q1206

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/11/2025

Lab File ID: BF141551.D Time Analyzed: 10:28

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	380364	11.31	221485	13.957	189149	15.41
	UPPER LIMIT	760728	11.81	442970	14.457	378298	15.91
	LOWER LIMIT	190182	10.81	110743	13.457	94574.5	14.91
	EPA SAMPLE NO.						
01	JPP-20.1-012725DL	232903	11.30	199404	13.95	227355	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

Raw Data: **BF141461.D**

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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-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141461.D	1	01/29/25 08:40	02/05/25 21:31	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	U	210	390	ug/Kg
108-95-2	Phenol	200	U	96.8	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	200	U	97.7	200	ug/Kg
95-57-8	2-Chlorophenol	200	U	97.5	200	ug/Kg
95-48-7	2-Methylphenol	200	U	94.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	U	110	200	ug/Kg
98-86-2	Acetophenone	200	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	93.1	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	93.4	U	47.0	93.4	ug/Kg
67-72-1	Hexachloroethane	200	U	96.9	200	ug/Kg
98-95-3	Nitrobenzene	200	U	110	200	ug/Kg
78-59-1	Isophorone	200	U	98.7	200	ug/Kg
88-75-5	2-Nitrophenol	200	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	200	U	100	200	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	88.1	200	ug/Kg
91-20-3	Naphthalene	200	U	96.4	200	ug/Kg
106-47-8	4-Chloroaniline	200	U	96.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	200	U	97.2	200	ug/Kg
105-60-2	Caprolactam	390	U	100	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	90.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	200	U	96.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	UQ	180	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	200	U	83.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	200	U	86.4	200	ug/Kg
92-52-4	1,1-Biphenyl	200	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	200	U	97.2	200	ug/Kg
88-74-4	2-Nitroaniline	200	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	200	U	95.4	200	ug/Kg

Raw Data: **BF141461.D**

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-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141461.D	1	01/29/25 08:40	02/05/25 21:31	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	200	U	100	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	97.1	200	ug/Kg
99-09-2	3-Nitroaniline	200	U	100	200	ug/Kg
83-32-9	Acenaphthene	200		94.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	280	390	ug/Kg
100-02-7	4-Nitrophenol	390	U	140	390	ug/Kg
132-64-9	Dibenzofuran	200	U	98.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	100	200	ug/Kg
84-66-2	Diethylphthalate	200	U	93.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	200	U	99.9	200	ug/Kg
86-73-7	Fluorene	180	J	99.8	200	ug/Kg
100-01-6	4-Nitroaniline	200	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	140	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	200	U	95.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	92.1	200	ug/Kg
118-74-1	Hexachlorobenzene	200	U	99.2	200	ug/Kg
1912-24-9	Atrazine	200	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	390	U	90.2	390	ug/Kg
85-01-8	Phenanthrene	2000		98.0	200	ug/Kg
120-12-7	Anthracene	630		98.5	200	ug/Kg
86-74-8	Carbazole	140	J	93.7	200	ug/Kg
84-74-2	Di-n-butylphthalate	200	U	98.4	200	ug/Kg
206-44-0	Fluoranthene	3600	E	95.4	200	ug/Kg
129-00-0	Pyrene	2400		96.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	200	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	120	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		94.2	200	ug/Kg
218-01-9	Chrysene	1400		92.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	110	200	ug/Kg
117-84-0	Di-n-octyl phthalate	390	U	130	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		94.7	200	ug/Kg

Raw Data: **BF141461.D**

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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-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141461.D	1	01/29/25 08:40	02/05/25 21:31	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	810		96.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	700		91.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230		94.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		93.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	100	200	ug/Kg
123-91-1	1,4-Dioxane	200	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	87.2	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.2		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	68.9		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.0		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.9		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.1		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	35.5		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73900	6.787			
1146-65-2	Naphthalene-d8	280000	8.069			
15067-26-2	Acenaphthene-d10	130000	9.828			
1517-22-2	Phenanthrene-d10	190000	11.316			
1719-03-5	Chrysene-d12	151000	13.963			
1520-96-3	Perylene-d12	120000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	390	J		10.5	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	140	J		10.9	ug/Kg
000486-25-9	9H-Fluoren-9-one	93.8	J		11.1	ug/Kg
400744-83-4	3-Methyl-[1,1-biphenyl]-4-carbal	130	J		11.2	ug/Kg
000132-65-0	Dibenzothiophene	120	J		11.2	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	330	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	580	J		11.8	ug/Kg

Raw Data: **BF141461.D**

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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-20.1-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141461.D	1	01/29/25 08:40	02/05/25 21:31	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	210	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	820	J		11.9	ug/Kg
004630-20-0	3-Methylcarbazole	120	J		12.0	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	270	J		12.1	ug/Kg
052251-71-5	Anthracene, 2-ethyl-	140	J		12.3	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	260	J		12.4	ug/Kg
000781-17-9	Pyrene, 4,5,9,10-tetrahydro-	160	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	240	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	130	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	180	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	120	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	320	J		15.1	ug/Kg
000205-82-3	Benzo[j]fluoranthene	1200	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

Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 06 01:48:53 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-20.1-012725

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	73862	20.000	ng		-0.02
21) Naphthalene-d8	8.069	136	280125	20.000	ng		-0.02
39) Acenaphthene-d10	9.828	164	130310	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	189517	20.000	ng		#-0.01
76) Chrysene-d12	13.963	240	150837	20.000	ng		#-0.01
86) Perylene-d12	15.421	264	120024	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	337955	70.243	ng		0.00
7) Phenol-d6	6.428	99	421991	68.947	ng		-0.01
23) Nitrobenzene-d5	7.351	82	276299	51.996	ng		-0.02
42) 2,4,6-Tribromophenol	10.616	330	80152	67.093	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	422567	49.913	ng		-0.02
79) Terphenyl-d14	12.898	244	347592	35.538	ng		-0.02
Target Compounds							Qvalue
52) Acenaphthene	9.857	154	41542	5.244	ng		100
55) Dibenzofuran	10.028	168	25715	2.425	ng	#	92
58) Fluorene	10.375	166	37170	4.519	ng		99
71) Phenanthrene	11.339	178	525201	51.554	ng		99
72) Anthracene	11.386	178	162149	16.245	ng		99
73) Carbazole	11.545	167	31202	3.525	ng		98
75) Fluoranthene	12.533	202	933061	92.760	ng		97
78) Pyrene	12.763	202	907784	62.697	ng		99
81) Benzo(a)anthracene	13.951	228	479288	46.047	ng		96
83) Chrysene	13.986	228	351866	36.886	ng		97
87) Indeno(1,2,3-cd)pyrene	16.857	276	139810m	18.048	ng		
88) Benzo(b)fluoranthene	15.004	252	387674m	51.349	ng		
89) Benzo(k)fluoranthene	15.015	252	138999m	20.783	ng		
90) Benzo(a)pyrene	15.357	252	288104	45.158	ng		96
91) Dibenzo(a,h)anthracene	16.868	278	36986m	5.934	ng		
92) Benzo(g,h,i)perylene	17.298	276	136111	21.003	ng	#	94

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

Sample Results: **BF141461.D**

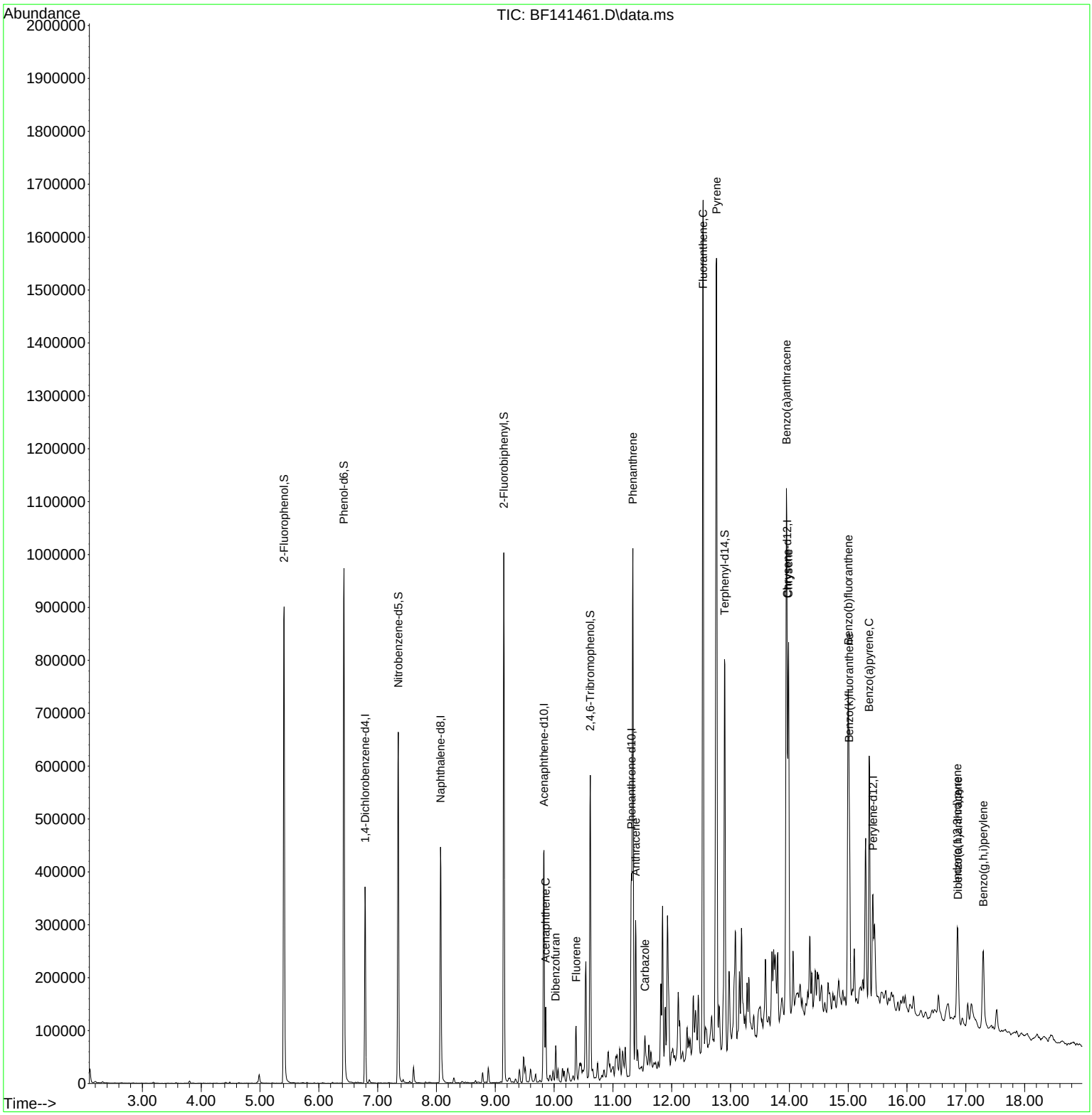
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

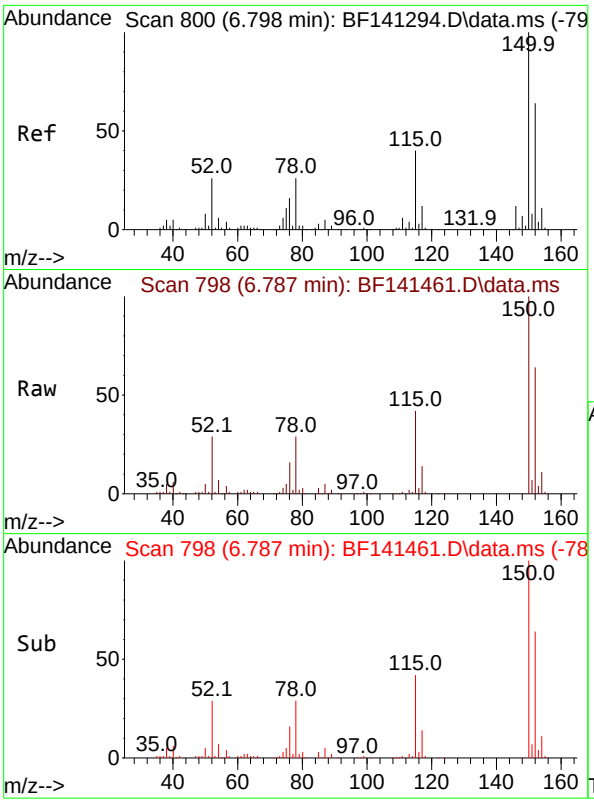
Quant Time: Feb 06 01:48:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

Manual Integrations APPROVED

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

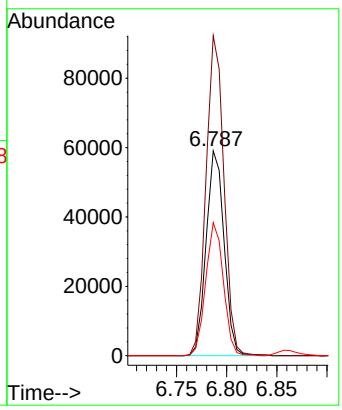




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:152 Resp: 7386

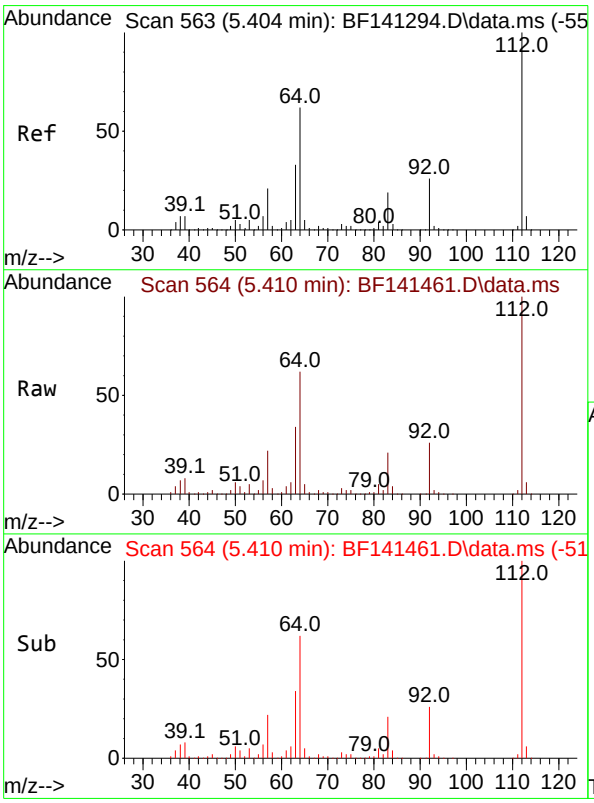
Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.9	188.9
115	65.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

Manual Integrations
APPROVED

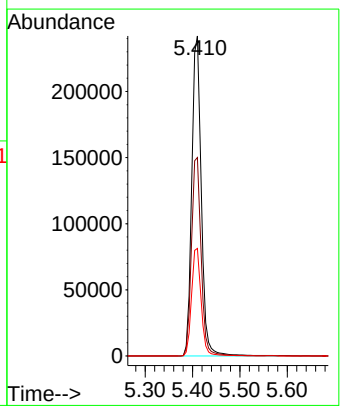
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

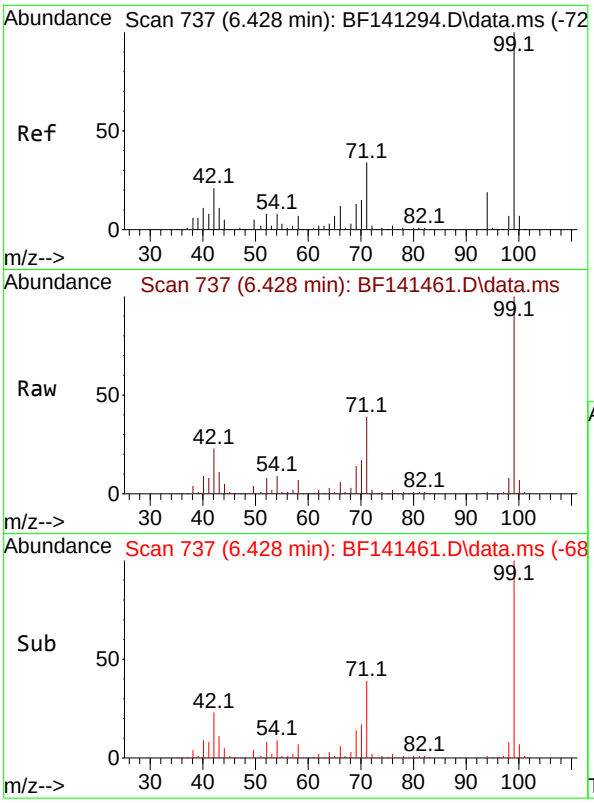


#5
2-Fluorophenol
Concen: 70.243 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:112 Resp: 337955

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.8	74.8
63	33.6	26.1	39.1

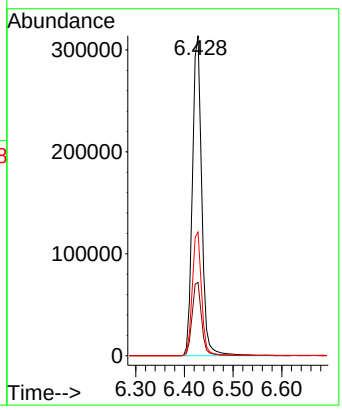




#7
Phenol-d6
Concen: 68.947 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion: 99 Resp: 42199

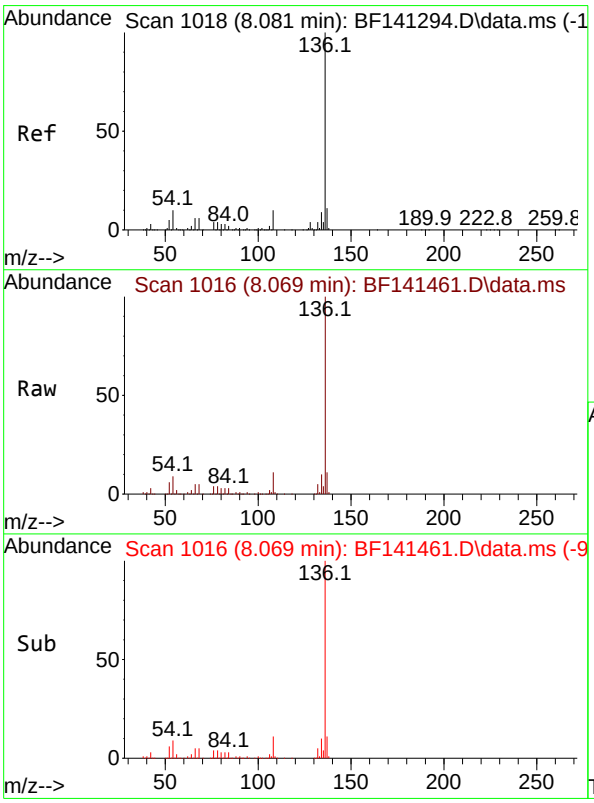
Ion	Ratio	Lower	Upper
99	100		
42	22.9	17.1	25.7
71	38.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

Manual Integrations
APPROVED

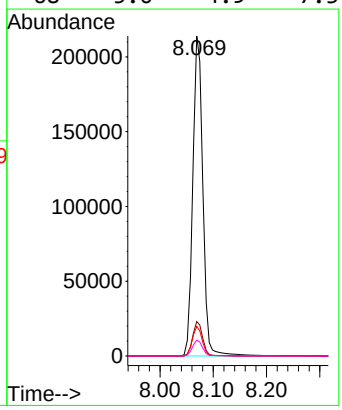
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

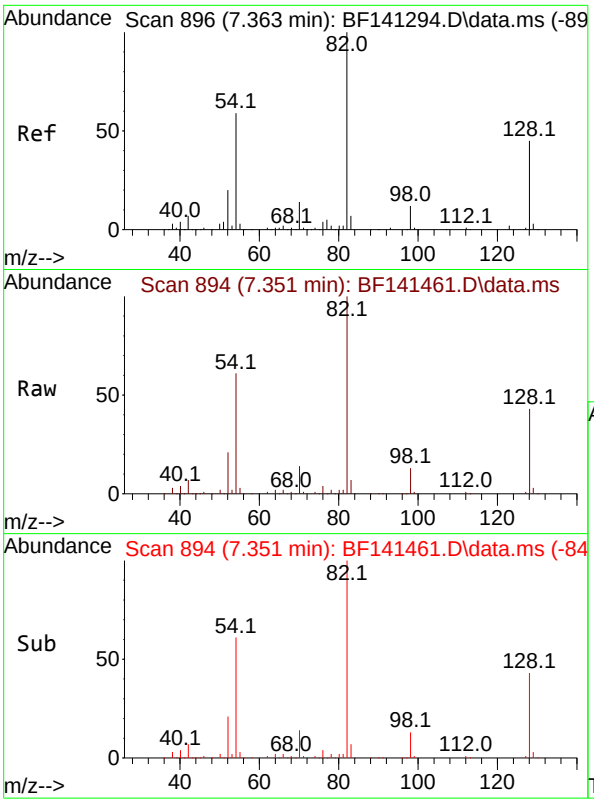


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:136 Resp: 280125

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.8	11.8
68	5.0	4.9	7.3

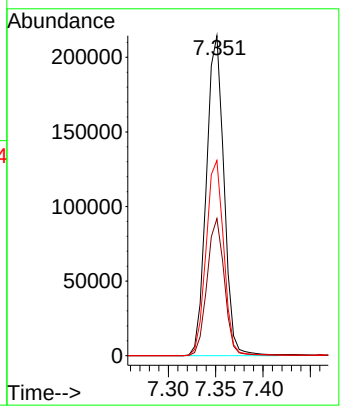




#23
Nitrobenzene-d5
Concen: 51.996 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion: 82 Resp: 27629

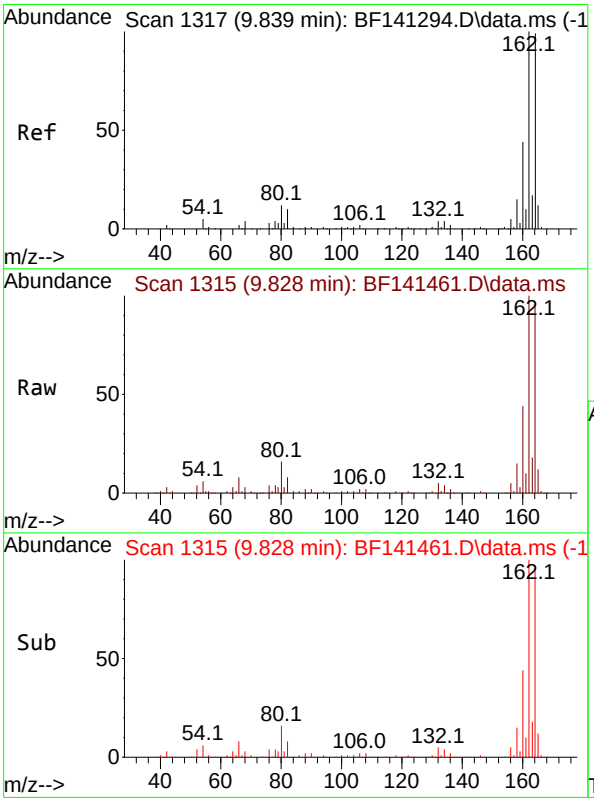
Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.7	53.5
54	61.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

Manual Integrations
APPROVED

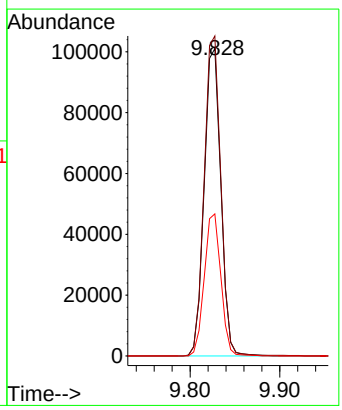
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

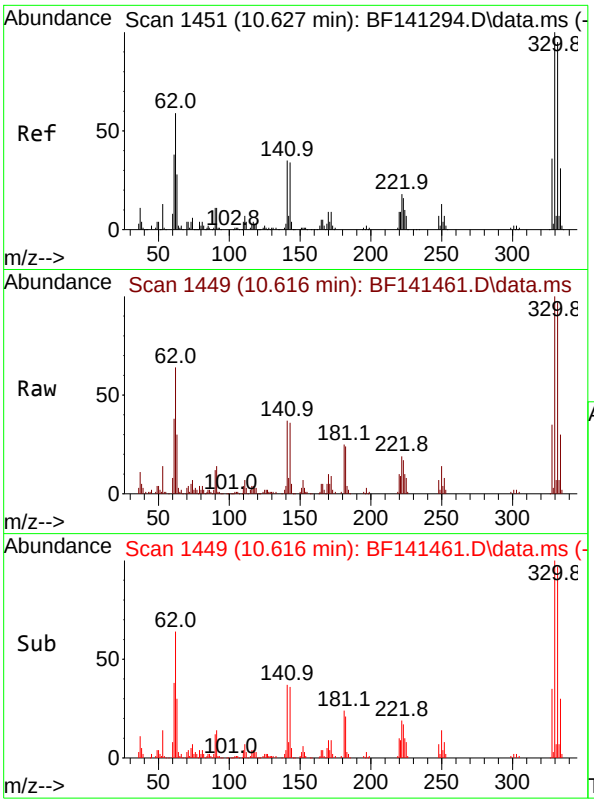


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:164 Resp: 130310

Ion	Ratio	Lower	Upper
164	100		
162	104.1	80.6	121.0
160	46.2	35.8	53.6

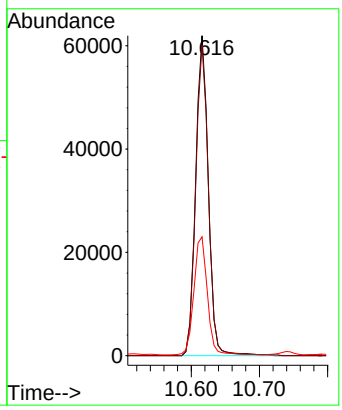




#42
2,4,6-Tribromophenol
Concen: 67.093 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:330 Resp: 8015

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.1	114.1
141	39.0	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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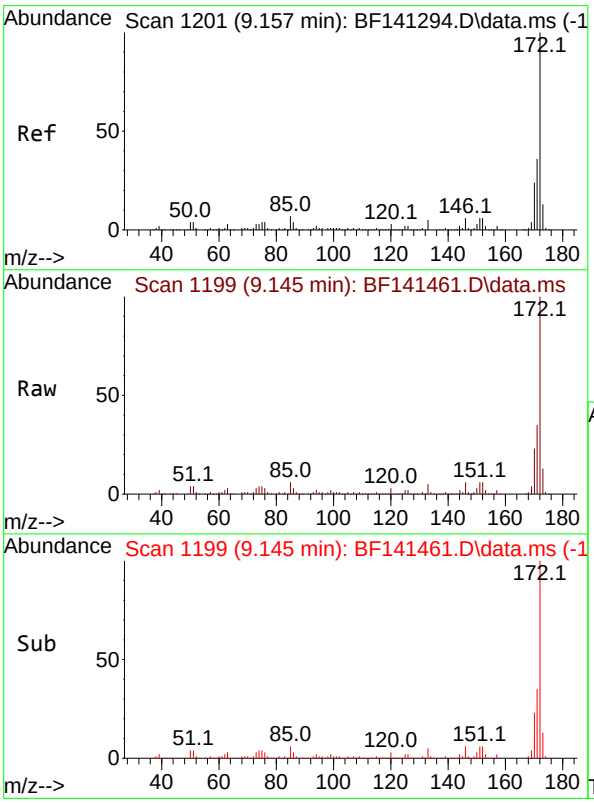
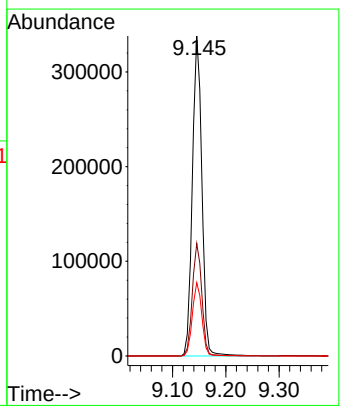
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

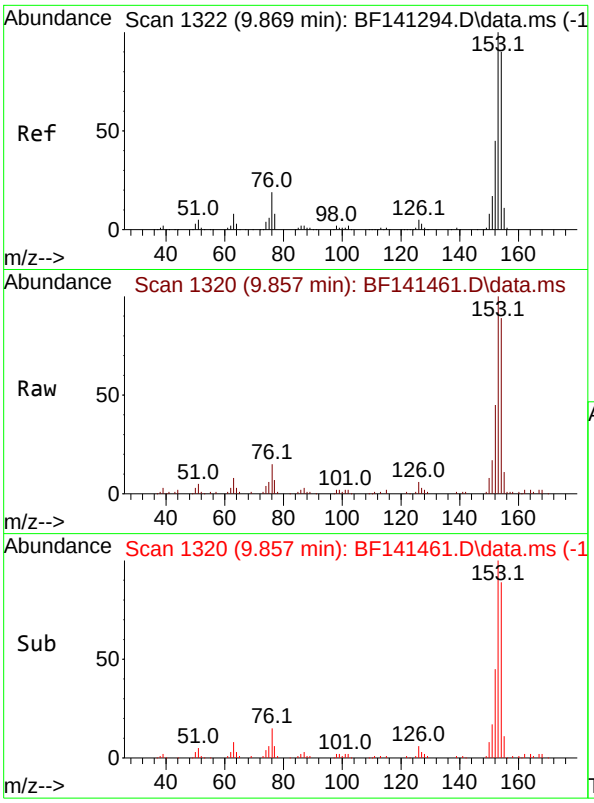


#45
2-Fluorobiphenyl
Concen: 49.913 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:172 Resp: 422567

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.8	43.2
170	22.9	19.0	28.6

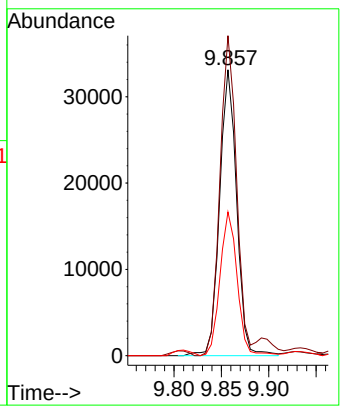




#52
Acenaphthene
Concen: 5.244 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:154 Resp: 4154

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	50.3	40.2	60.4



Instrument :
BNA_F
ClientSampleId :
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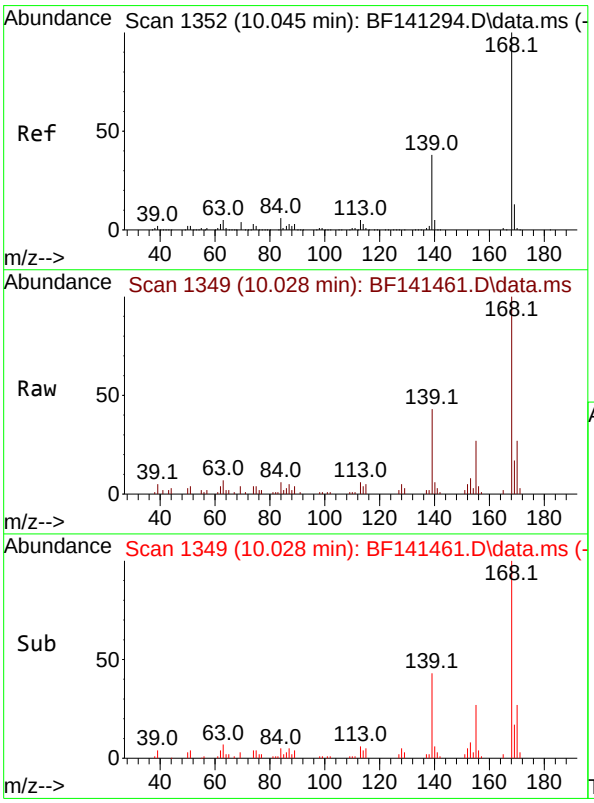
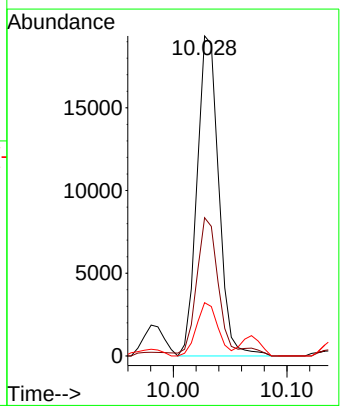
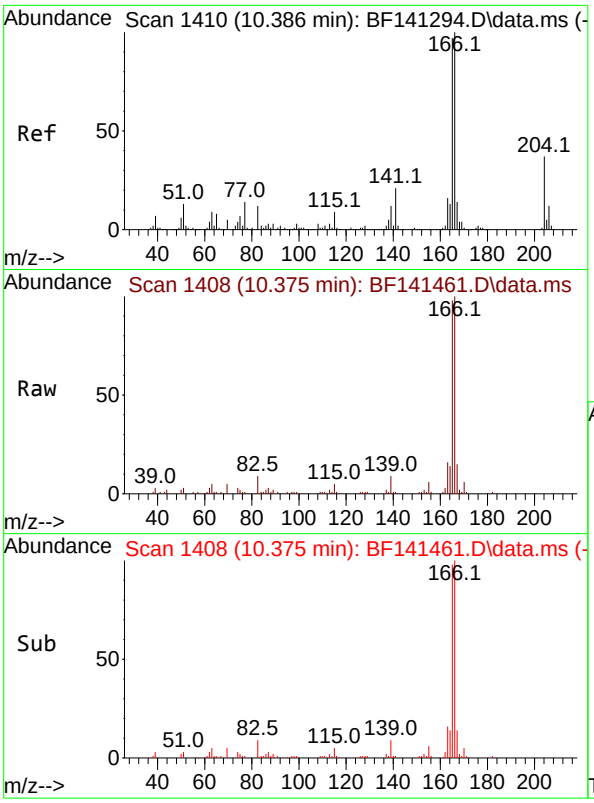


#55
Dibenzofuran
Concen: 2.425 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:168 Resp: 25715

Ion	Ratio	Lower	Upper
168	100		
139	43.2	30.6	46.0
169	16.7	10.8	16.2#





#58
Fluorene
Concen: 4.519 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:166 Resp: 3717

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.5	116.3
167	14.9	10.9	16.3

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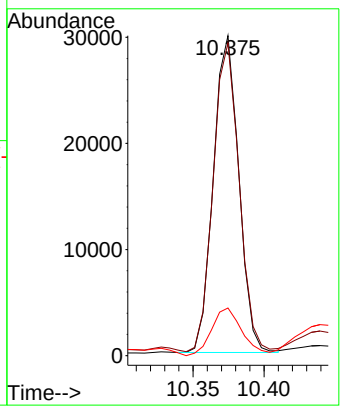
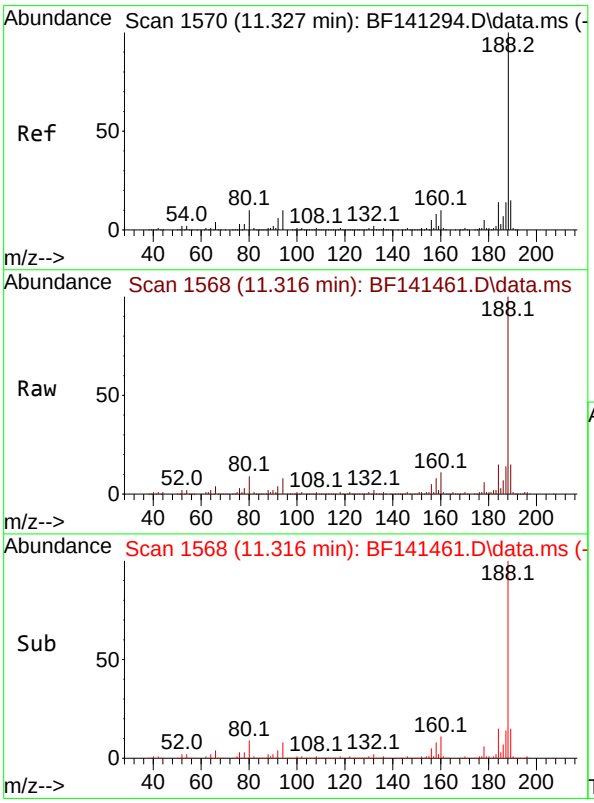
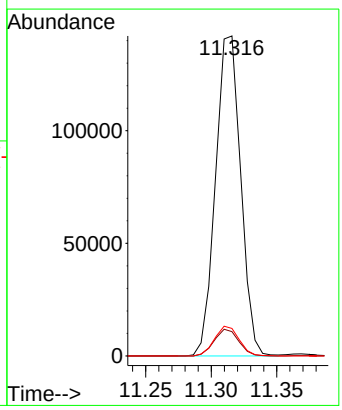


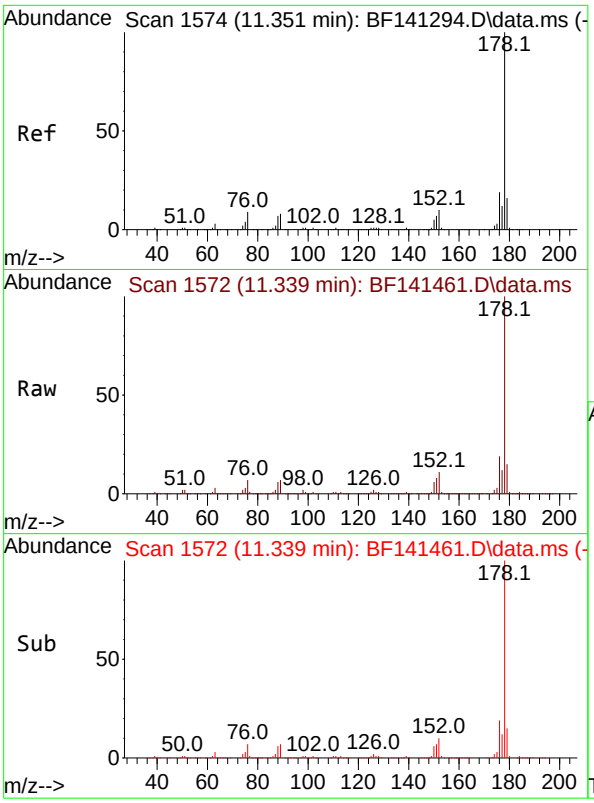


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:188 Resp: 189517

Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.8	11.6#
80	8.6	8.2	12.4

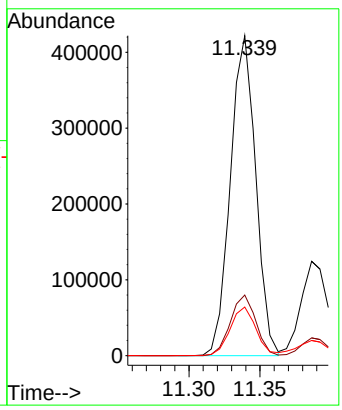




#71
Phenanthrene
Concen: 51.554 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:178 Resp: 52520

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.5	18.7



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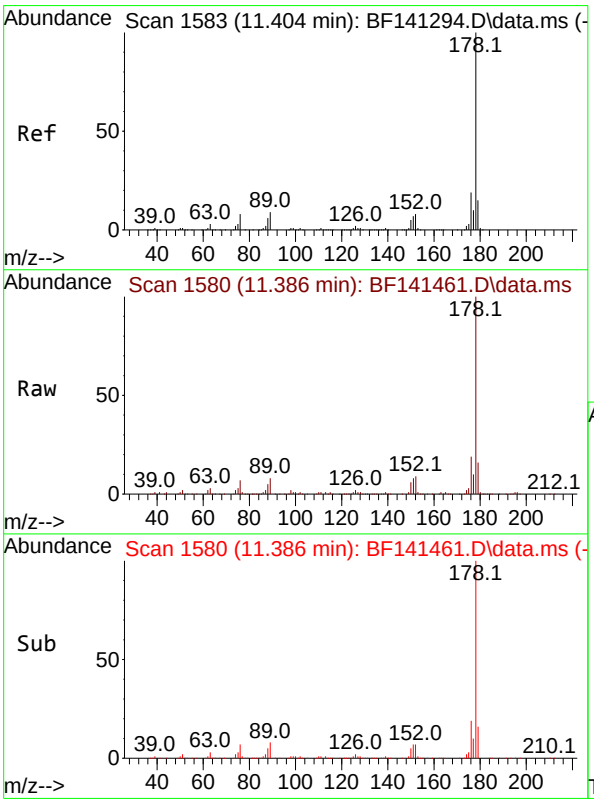
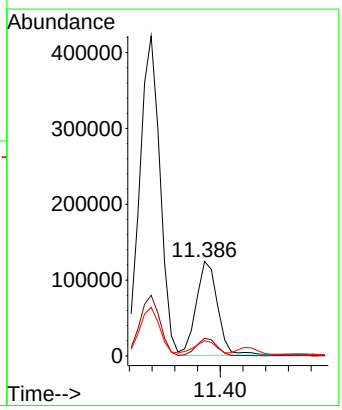
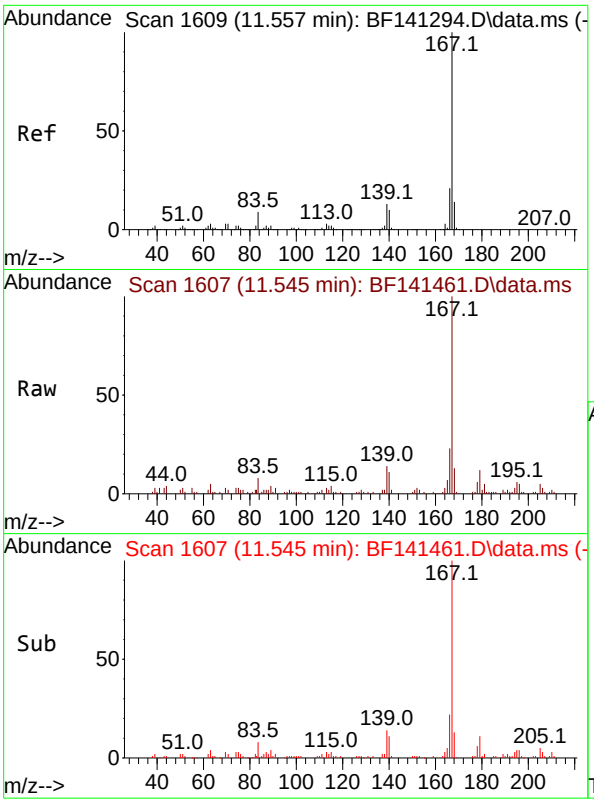


#72
Anthracene
Concen: 16.245 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:178 Resp: 162149

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	16.1	12.3	18.5

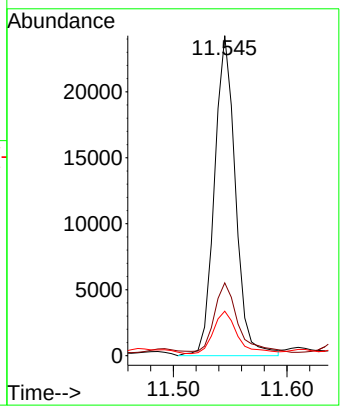




#73
Carbazole
Concen: 3.525 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:167 Resp: 3120

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.0	25.6
139	13.9	10.6	16.0



Instrument :
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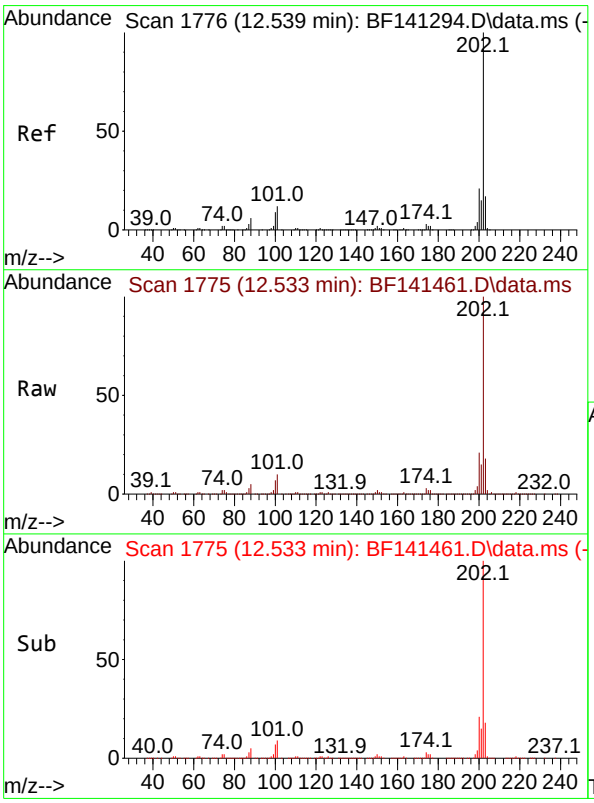
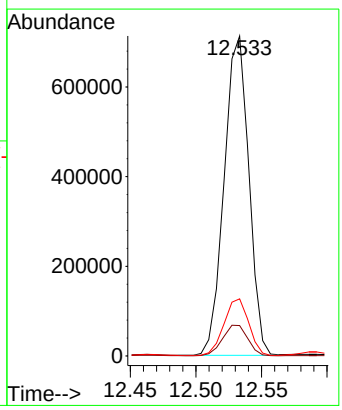
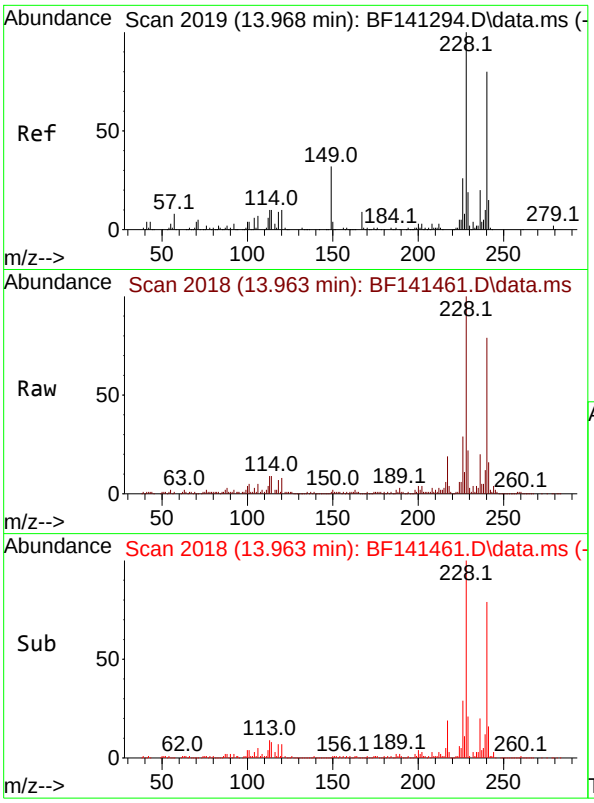


#75
Fluoranthene
Concen: 92.760 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:202 Resp: 933061

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.7
203	17.8	0.0	37.5

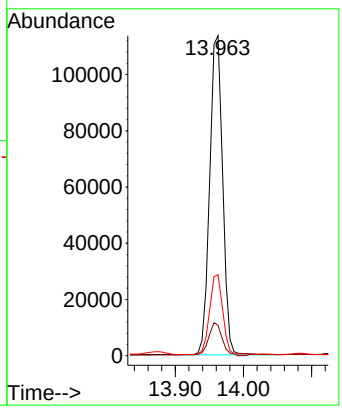




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:240 Resp: 15083

Ion	Ratio	Lower	Upper
240	100		
120	9.5	10.0	15.0
236	25.3	19.7	29.5



Instrument :
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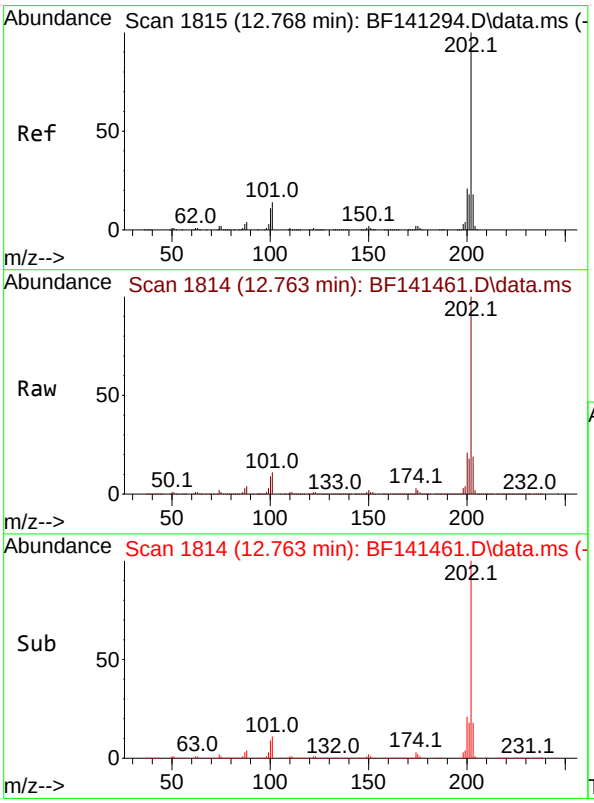
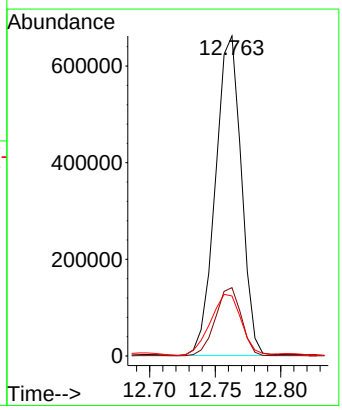
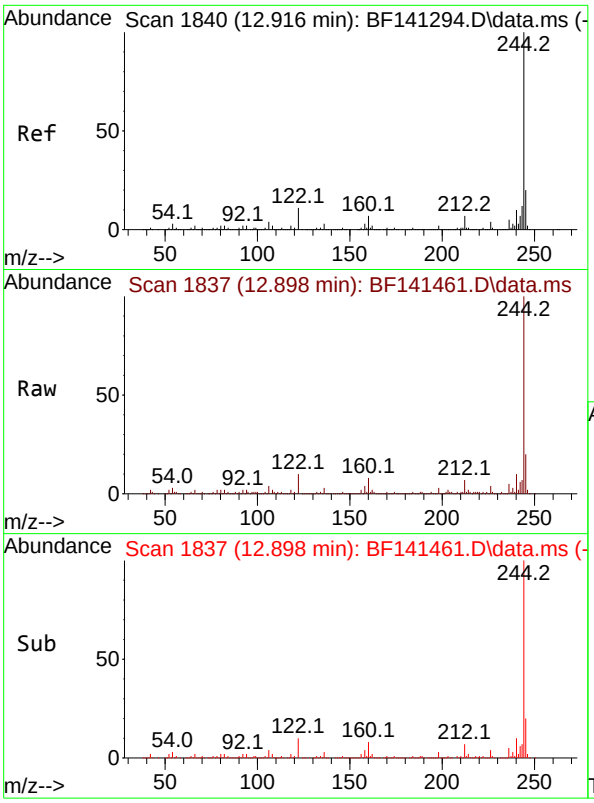


#78
Pyrene
Concen: 62.697 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:202 Resp: 907784

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	18.8	14.3	21.5

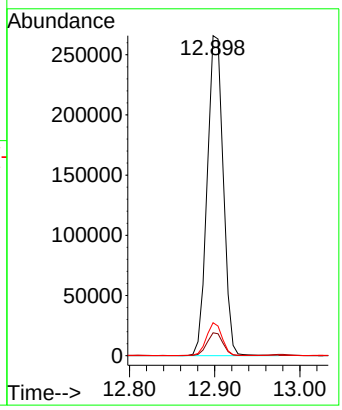




#79
Terphenyl-d14
Concen: 35.538 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:244 Resp: 34759

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.3	8.8	13.2



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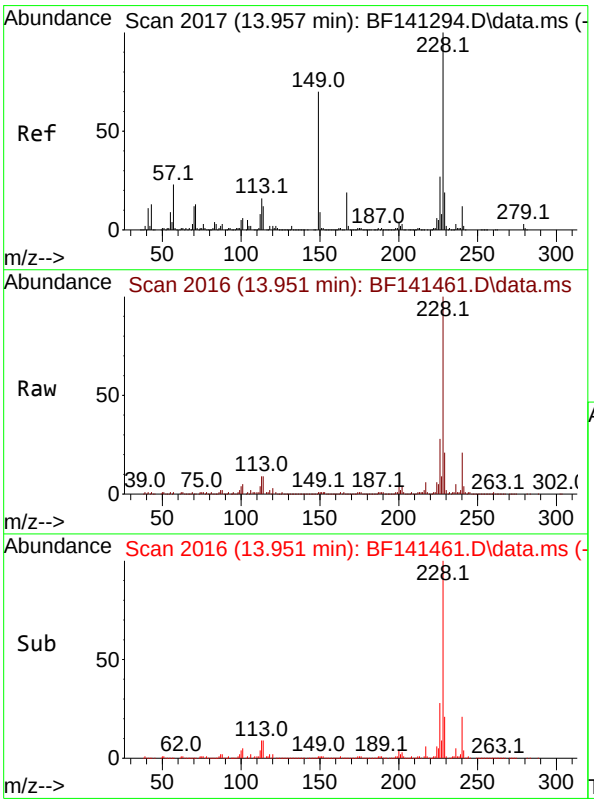
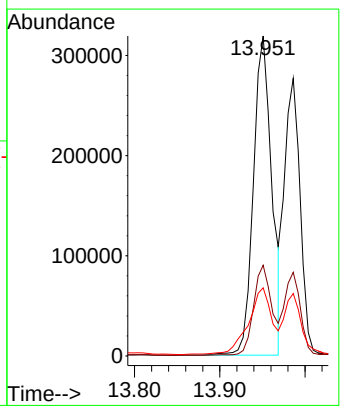
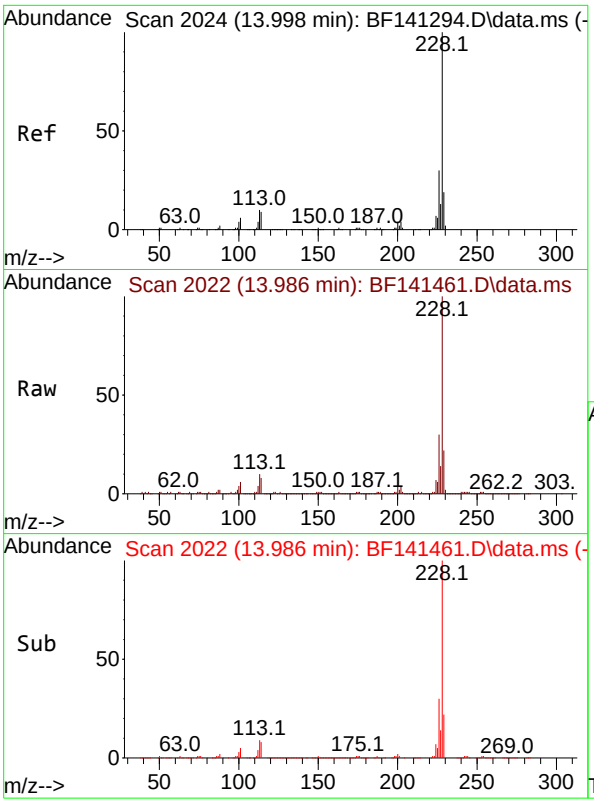


#81
Benzo(a)anthracene
Concen: 46.047 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:228 Resp: 479288

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.4	32.2
229	21.3	15.5	23.3

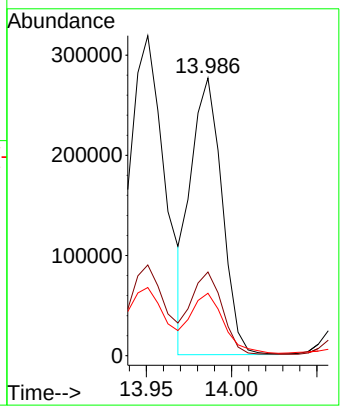




#83
Chrysene
Concen: 36.886 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:228 Resp: 35186

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	22.5	15.6	23.4



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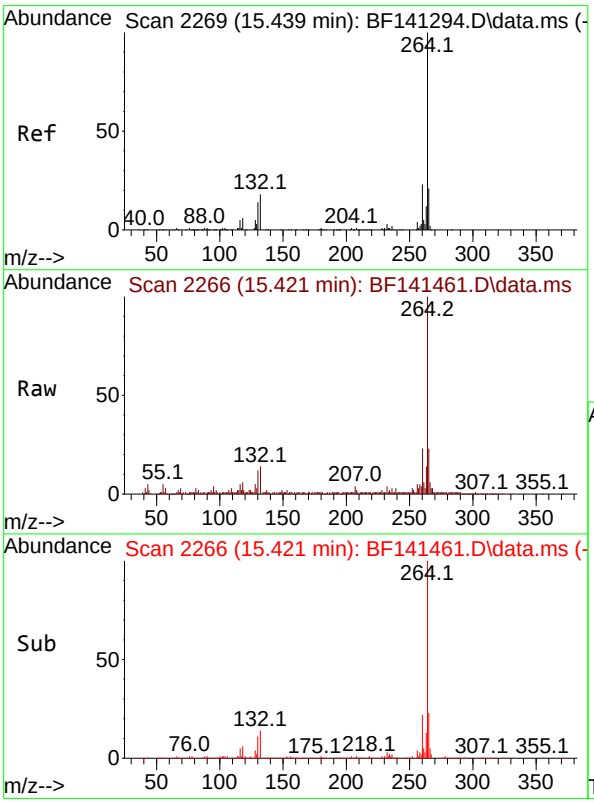
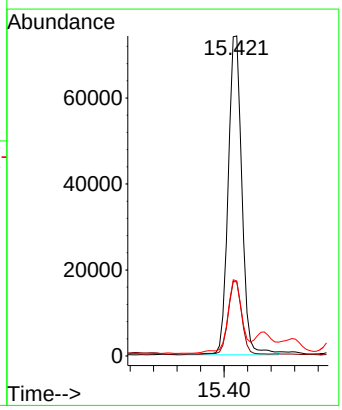
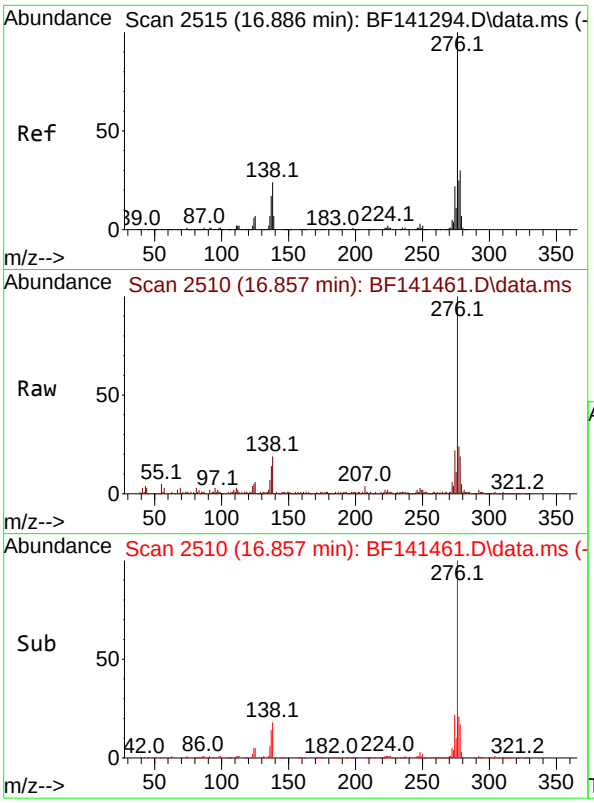


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:264 Resp: 120024

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	23.5	16.7	25.1

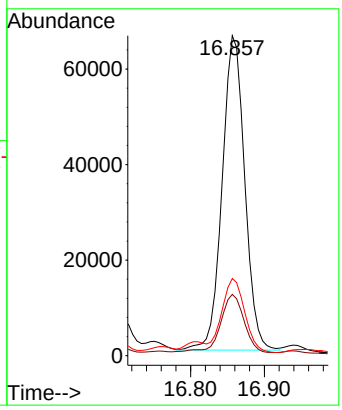




#87
Indeno(1,2,3-cd)pyrene
Concen: 18.048 ng m
RT: 16.857 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:276 Resp: 13981

Ion	Ratio	Lower	Upper
276	100		
138	4.2	21.7	32.5#
277	4.8	20.3	30.5#



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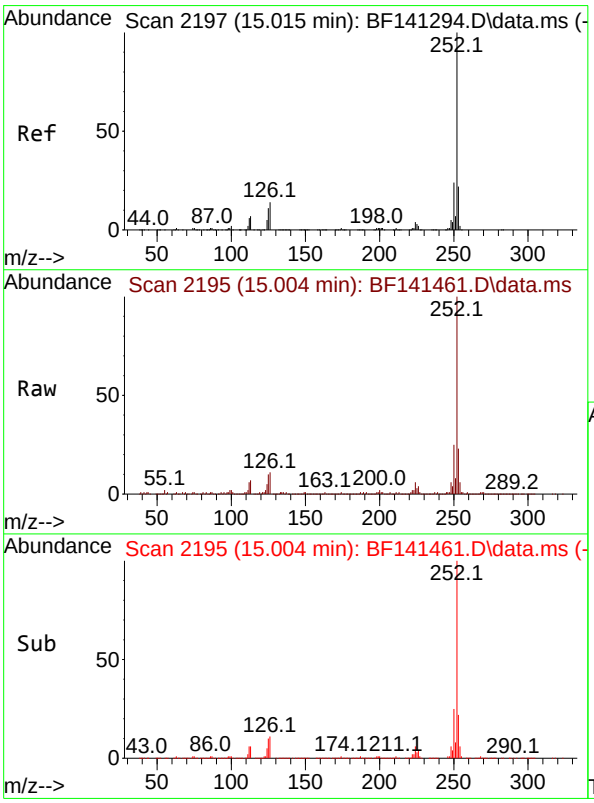
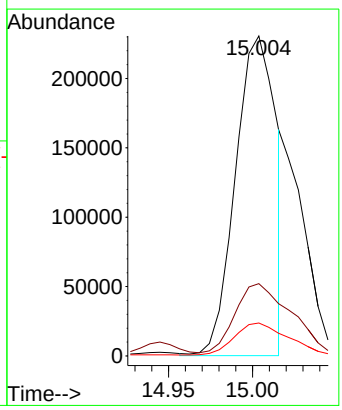
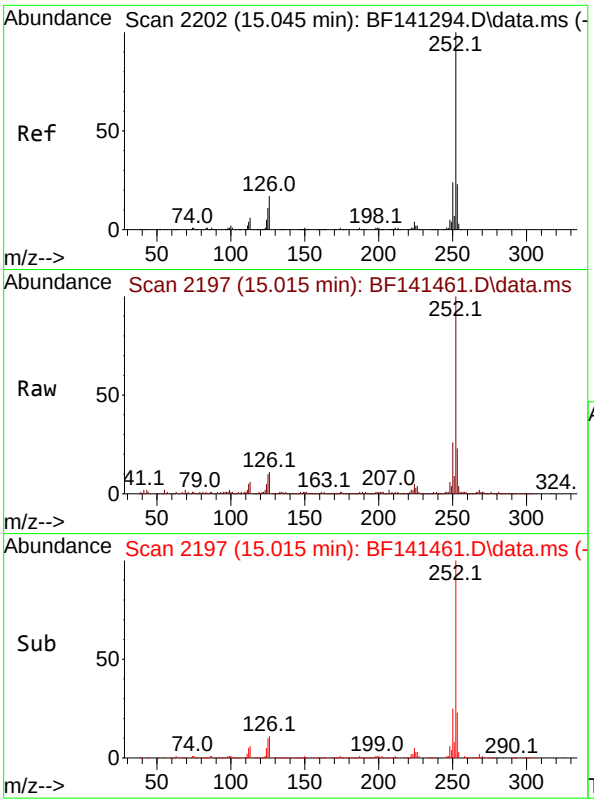


#88
Benzo(b)fluoranthene
Concen: 51.349 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:252 Resp: 387674

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	10.3	8.6	12.8

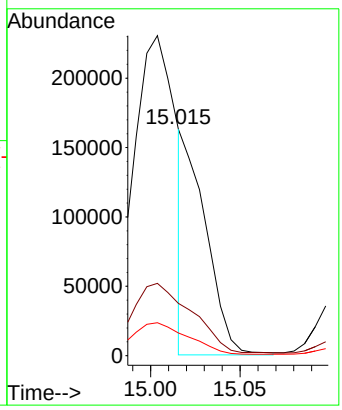




#89
Benzo(k)fluoranthene
Concen: 20.783 ng m
RT: 15.015 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:252 Resp: 13899

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	10.1	8.4	12.6



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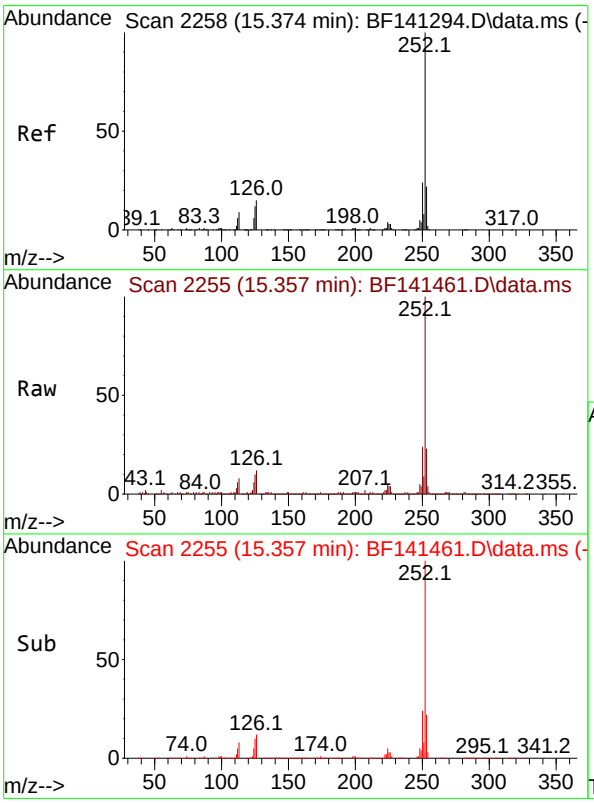
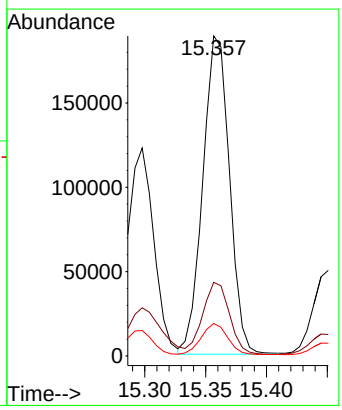
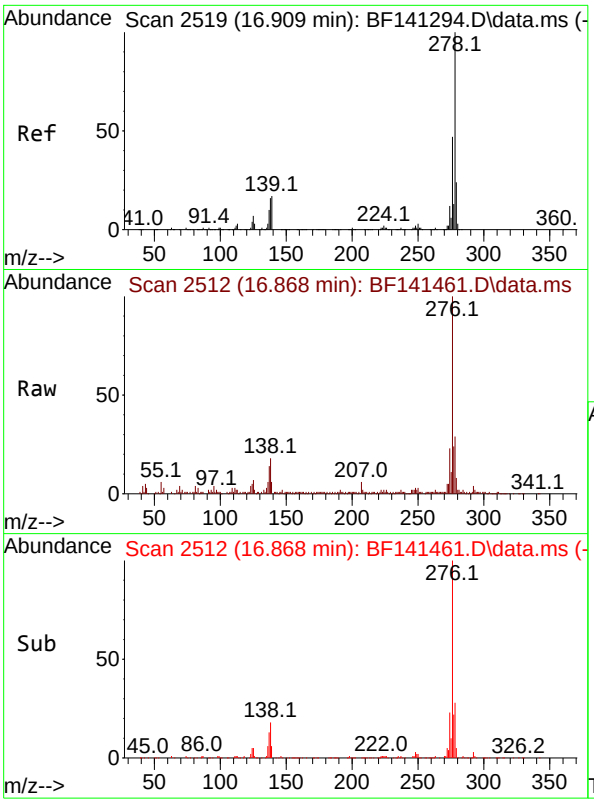


#90
Benzo(a)pyrene
Concen: 45.158 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:252 Resp: 288104

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.1	9.4	14.2

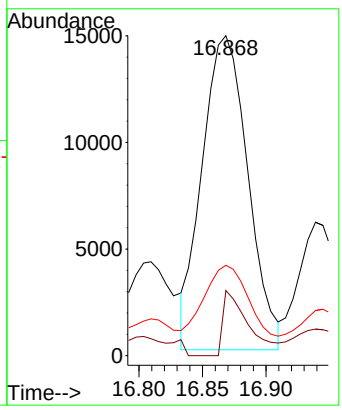




#91
Dibenzo(a,h)anthracene
Concen: 5.934 ng m
RT: 16.868 min Scan# 2
Delta R.T. -0.053 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:278 Resp: 3698

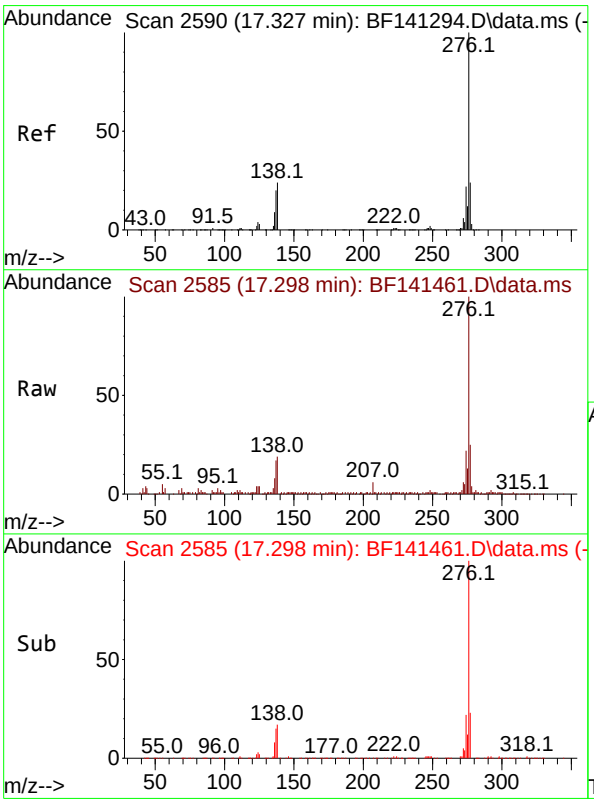
Ion	Ratio	Lower	Upper
278	100		
139	20.3	13.9	20.9
279	28.2	18.8	28.2#



Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

Manual Integrations
APPROVED

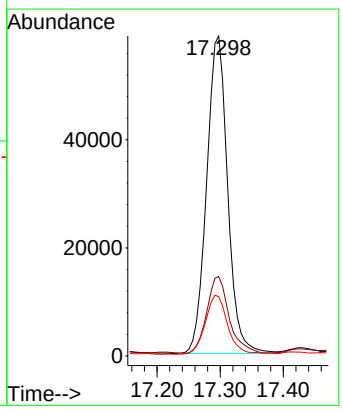
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 21.003 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:276 Resp: 136111

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	18.6	19.0	28.4#



Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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: BF141461.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	503	rVB	16249	26192	1.10%	0.094%
2	5.410	558	564	585	rBV	900421	1259271	53.05%	4.496%
3	6.428	731	737	755	rBV	973369	1328753	55.98%	4.744%
4	6.787	793	798	806	rBV	370881	456867	19.25%	1.631%
5	7.351	888	894	905	rBV	663723	858595	36.17%	3.065%
6	7.610	932	938	949	rBV	29667	43989	1.85%	0.157%
7	8.069	1011	1016	1036	rVB	445375	613875	25.86%	2.192%
8	8.786	1132	1138	1144	rBV	19067	25875	1.09%	0.092%
9	8.881	1150	1154	1163	rVB	28386	36785	1.55%	0.131%
10	9.145	1194	1199	1209	rBV	1000982	1233301	51.96%	4.403%
11	9.410	1239	1244	1251	rVB	24411	36949	1.56%	0.132%
12	9.481	1251	1256	1259	rBV	48448	69216	2.92%	0.247%
13	9.510	1259	1261	1265	rVB	26498	28521	1.20%	0.102%
14	9.598	1270	1276	1284	rVV2	24555	46212	1.95%	0.165%
15	9.828	1307	1315	1318	rBV	437885	600050	25.28%	2.142%
16	9.857	1318	1320	1325	rVV	138420	147531	6.22%	0.527%
17	9.981	1337	1341	1345	rBV2	18455	24466	1.03%	0.087%
18	10.028	1345	1349	1353	rBV	65017	82209	3.46%	0.293%
19	10.069	1353	1356	1364	rVB	24637	32636	1.37%	0.117%
20	10.145	1364	1369	1371	rBV	25444	35972	1.52%	0.128%
21	10.169	1371	1373	1379	rVB2	19808	25893	1.09%	0.092%
22	10.233	1379	1384	1393	rBV2	24957	55308	2.33%	0.197%
23	10.375	1403	1408	1413	rBV	102058	138225	5.82%	0.493%
24	10.439	1413	1419	1421	rBV	30887	59704	2.52%	0.213%
25	10.539	1431	1436	1441	rVB2	220060	296915	12.51%	1.060%
26	10.616	1443	1449	1454	rBV	570621	757402	31.91%	2.704%
27	10.739	1465	1470	1476	rVB5	32449	51315	2.16%	0.183%
28	10.922	1494	1501	1504	rBV3	47910	91804	3.87%	0.328%
29	11.004	1509	1515	1518	rVB6	17482	34577	1.46%	0.123%
30	11.051	1518	1523	1524	rBV3	36352	51820	2.18%	0.185%
31	11.116	1531	1534	1538	rVB	48677	60871	2.56%	0.217%
32	11.163	1538	1542	1547	rVV3	45407	85603	3.61%	0.306%
33	11.210	1547	1550	1556	rVB	55988	79076	3.33%	0.282%
34	11.316	1562	1568	1569	rBV	383079	504612	21.26%	1.801%
35	11.339	1569	1572	1576	rVV	993127	1227501	51.71%	4.382%
36	11.386	1576	1580	1584	rVV	285770	377388	15.90%	1.347%

Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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	11.422	1584	1586	1592	rVB	37502	44973	1.89%	0.161%
38	11.545	1601	1607	1615	rBV3	67461	145812	6.14%	0.521%
39	11.610	1615	1618	1621	rVV	44999	56833	2.39%	0.203%
40	11.645	1621	1624	1629	rVB4	29251	42689	1.80%	0.152%
41	11.816	1648	1653	1655	rBV	157574	213451	8.99%	0.762%
42	11.845	1655	1658	1662	rVV	301091	378838	15.96%	1.352%
43	11.892	1662	1666	1668	rVV	106783	138478	5.83%	0.494%
44	11.927	1668	1672	1680	rVB2	282171	533135	22.46%	1.903%
45	12.016	1680	1687	1691	rBV5	30902	76985	3.24%	0.275%
46	12.110	1698	1703	1706	rBV	119097	175204	7.38%	0.625%
47	12.263	1723	1729	1731	rBV	60526	89908	3.79%	0.321%
48	12.316	1736	1738	1741	rVB	27505	25287	1.07%	0.090%
49	12.369	1742	1747	1750	rBV	107267	168090	7.08%	0.600%
50	12.404	1750	1753	1758	rVV3	64134	105691	4.45%	0.377%
51	12.451	1758	1761	1767	rVB2	110521	158423	6.67%	0.566%
52	12.533	1769	1775	1779	rBV	1611086	2131912	89.82%	7.611%
53	12.574	1779	1782	1784	rBV2	30889	42654	1.80%	0.152%
54	12.680	1797	1800	1803	rVB	44781	55994	2.36%	0.200%
55	12.763	1806	1814	1819	rBV	1481020	2373652	100.00%	8.474%
56	12.804	1819	1821	1827	rVB2	82692	119135	5.02%	0.425%
57	12.898	1829	1837	1844	rVB2	739683	1176488	49.56%	4.200%
58	12.974	1844	1850	1857	rBV4	150022	302246	12.73%	1.079%
59	13.080	1858	1868	1873	rVB2	202997	424661	17.89%	1.516%
60	13.151	1876	1880	1883	rBV	112362	142482	6.00%	0.509%
61	13.186	1883	1886	1894	rVB2	180859	285563	12.03%	1.019%
62	13.280	1899	1902	1905	rBV	84397	104517	4.40%	0.373%
63	13.310	1905	1907	1912	rVB2	86393	100942	4.25%	0.360%
64	13.492	1930	1938	1939	rBV5	54599	127052	5.35%	0.454%
65	13.592	1952	1955	1962	rVB	119046	163729	6.90%	0.585%
66	13.704	1969	1974	1976	rBV2	139539	203132	8.56%	0.725%
67	13.733	1976	1979	1981	rVV	62484	74624	3.14%	0.266%
68	13.804	1988	1991	1995	rVB	131143	164035	6.91%	0.586%
69	13.951	2009	2016	2020	rBV2	994809	1825840	76.92%	6.518%
70	13.986	2020	2022	2029	rVB	701554	795316	33.51%	2.839%
71	14.063	2032	2035	2039	rVB	102515	123507	5.20%	0.441%
72	14.345	2080	2083	2087	rBV	112195	152695	6.43%	0.545%
73	14.380	2087	2089	2093	rVB2	64057	74184	3.13%	0.265%
74	14.474	2103	2105	2107	rBV3	40421	44821	1.89%	0.160%
75	14.657	2133	2136	2139	rBV3	50454	74850	3.15%	0.267%
76	15.004	2189	2195	2204	rBV	595474	1342524	56.56%	4.793%

Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

77	15.104	2209	2212	2216	rVB	99167	126279	5.32%	0.451%
78	15.298	2240	2245	2250	rVB	299184	482191	20.31%	1.721%
79	15.357	2250	2255	2261	rBV	454869	669638	28.21%	2.391%
80	15.421	2261	2266	2268	rBV	191837	303938	12.80%	1.085%
81	16.857	2505	2510	2520	rVB2	184226	411327	17.33%	1.468%
82	17.298	2579	2585	2601	rVB	146209	351983	14.83%	1.257%

Sum of corrected areas: 28010987

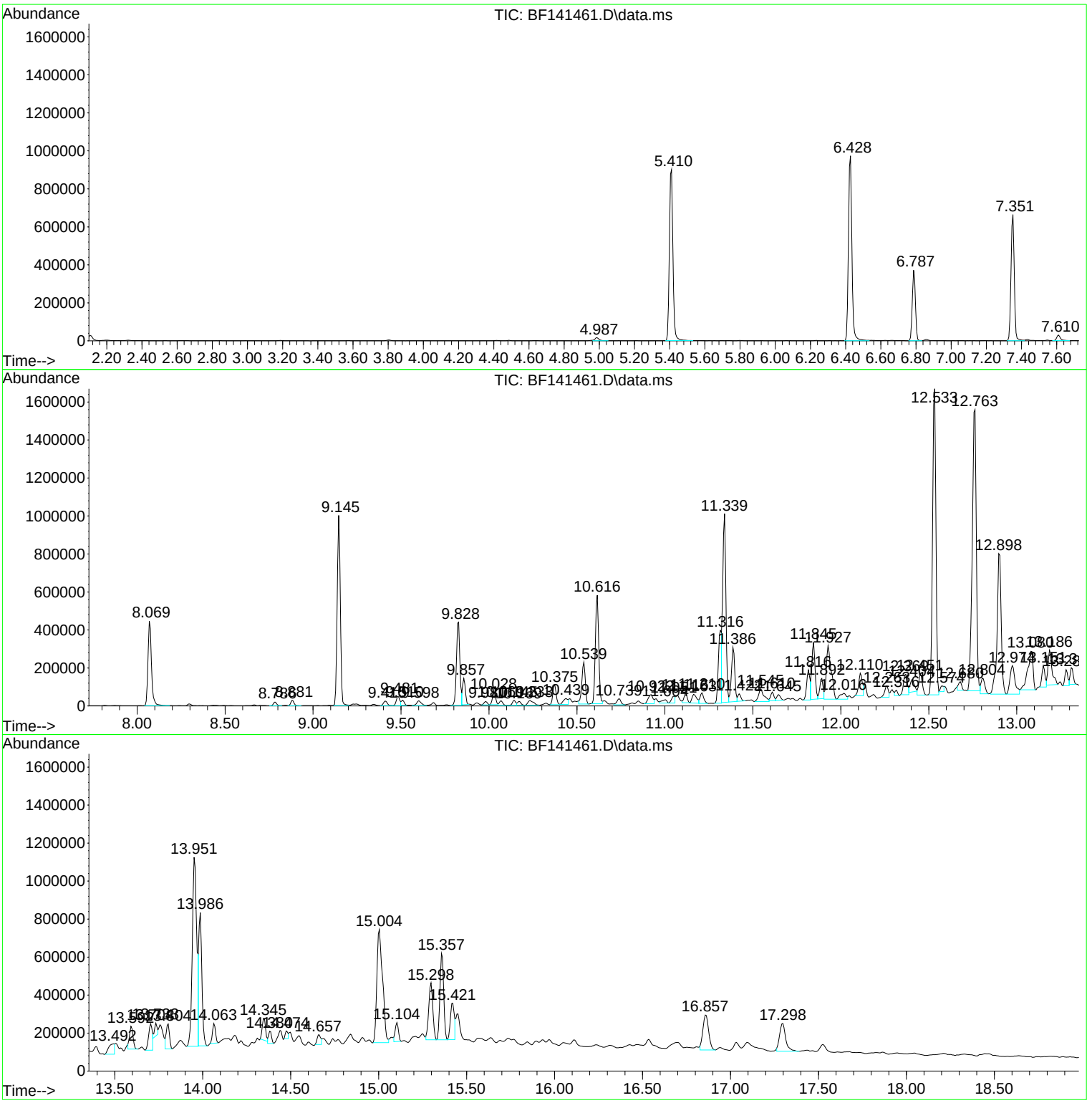
Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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



Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

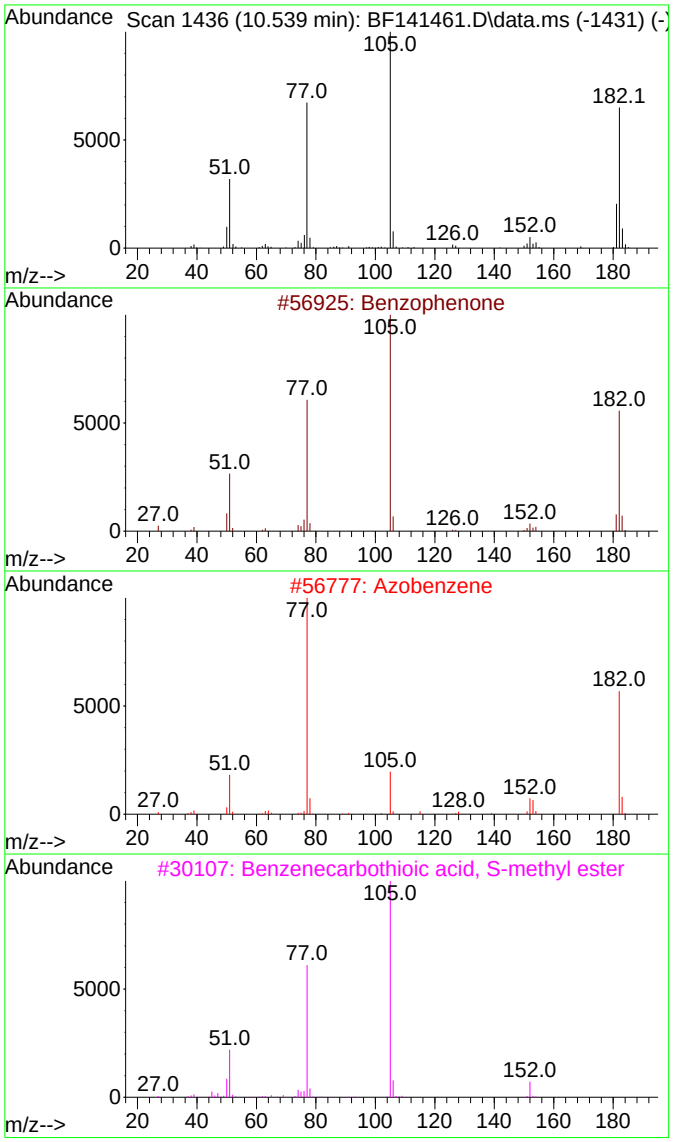
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

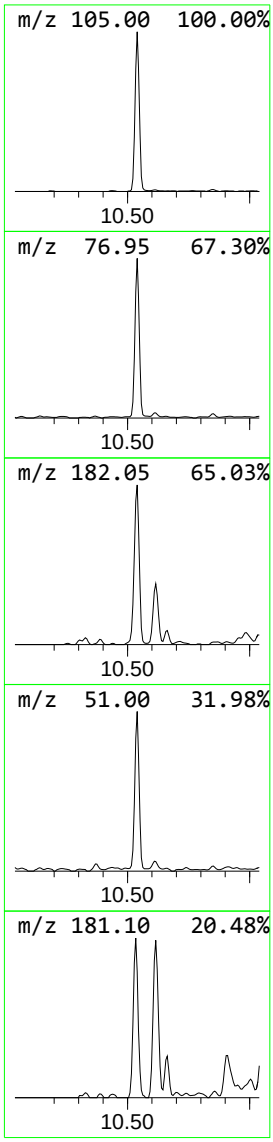
****

Peak Number 1 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	9.90 ng	296915	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene	182	C12H10N2	000103-33-3	52
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
4	Benzilic acid	228	C14H12O3	000076-93-7	43
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

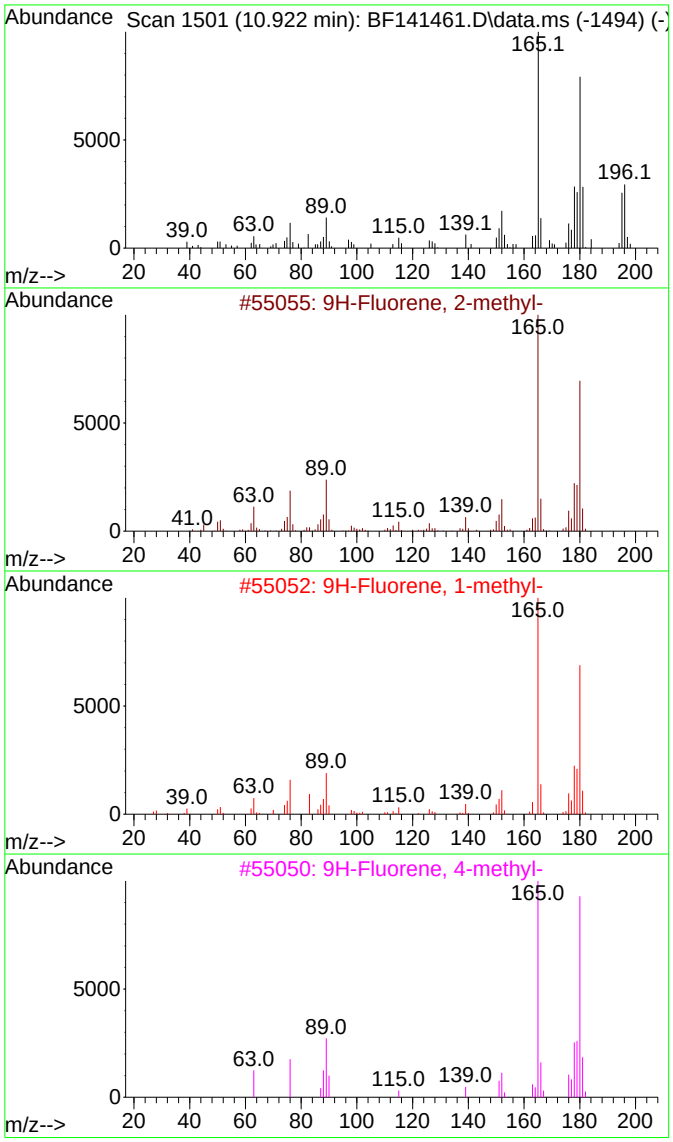
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

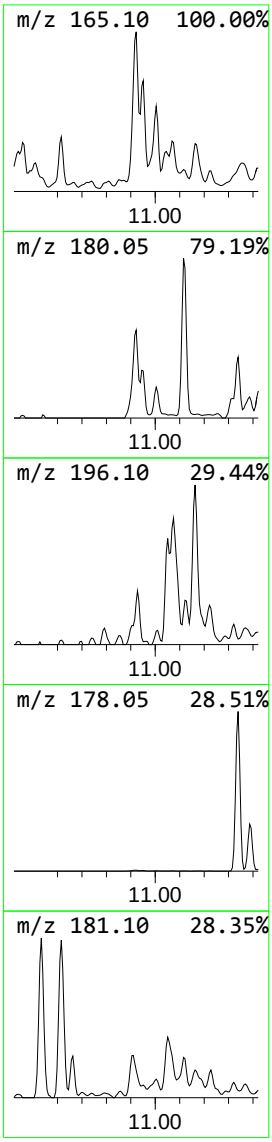
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.922	3.64 ng	91804	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64





Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

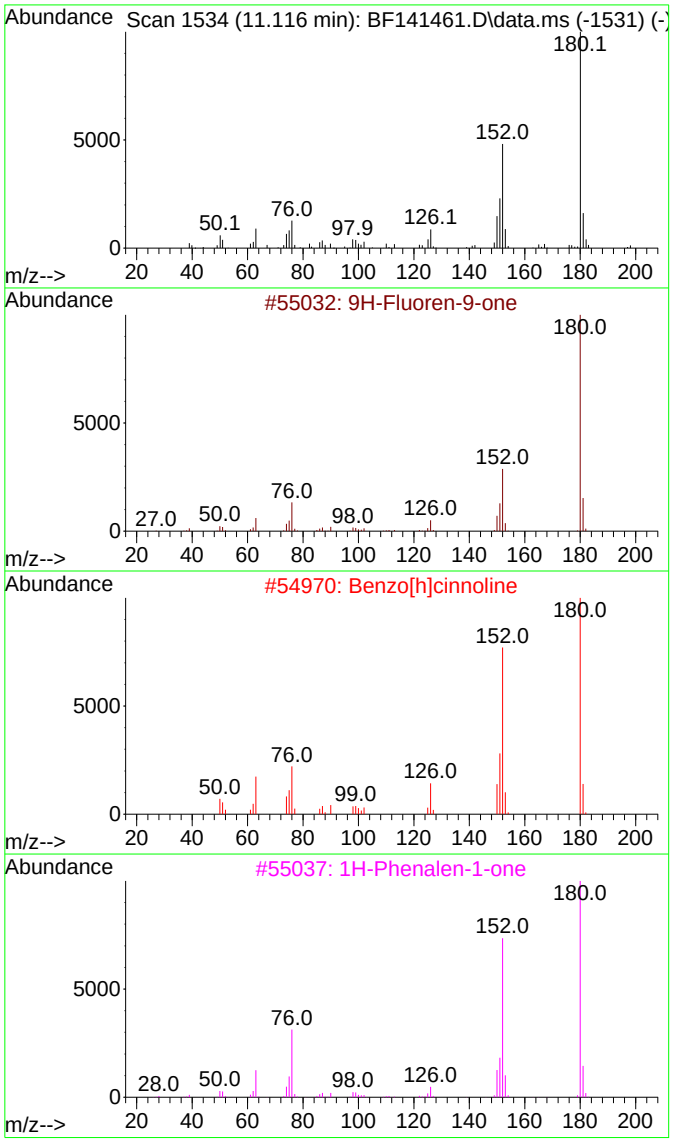
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

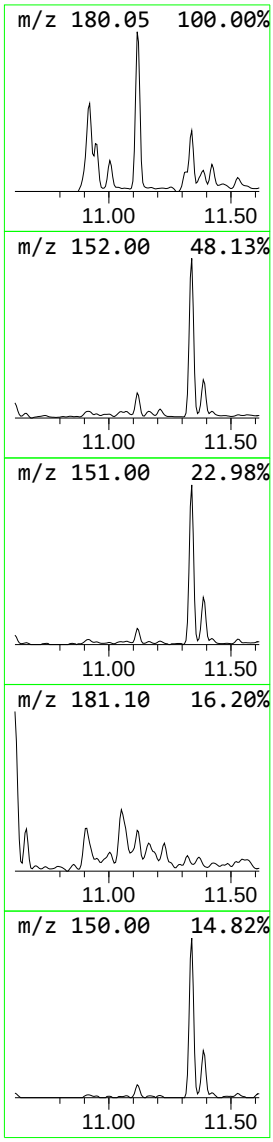
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	2.41 ng	60871	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	58
5	1,7-Phenanthroline	180	C12H8N2	000230-46-6	47





Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

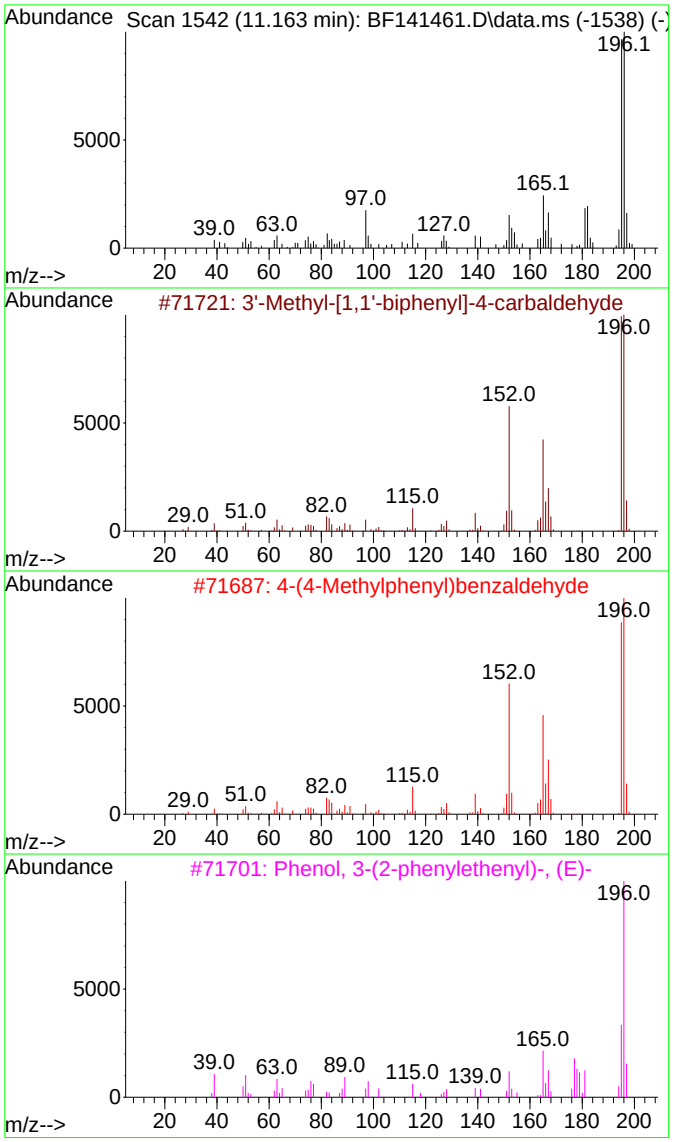
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

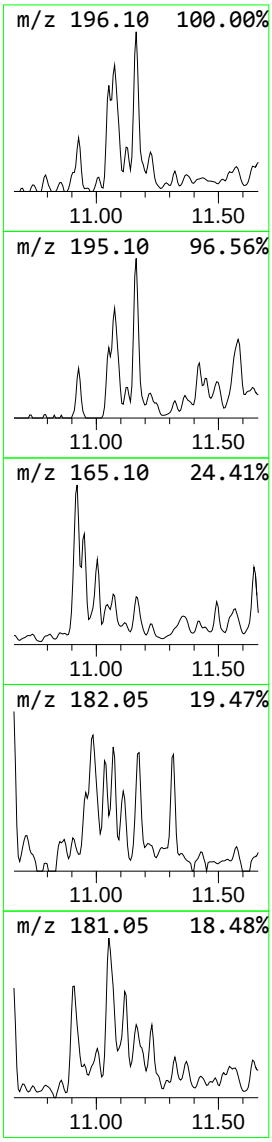
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	3.39 ng	85603	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
4	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59
5	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	58





Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
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Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

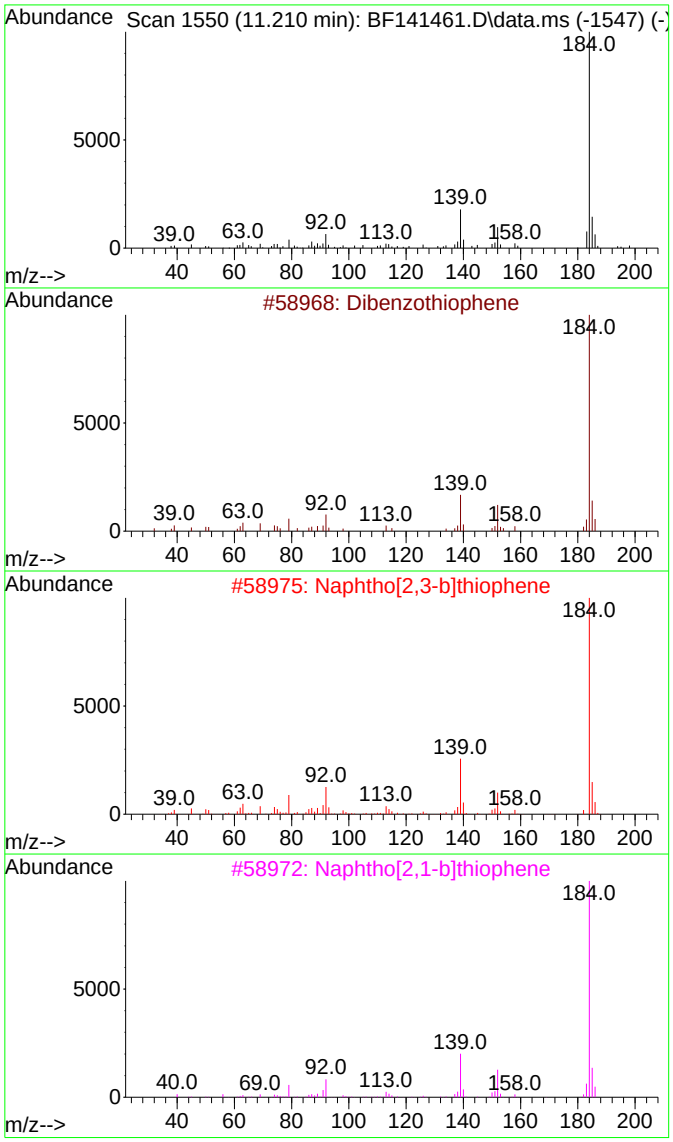
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

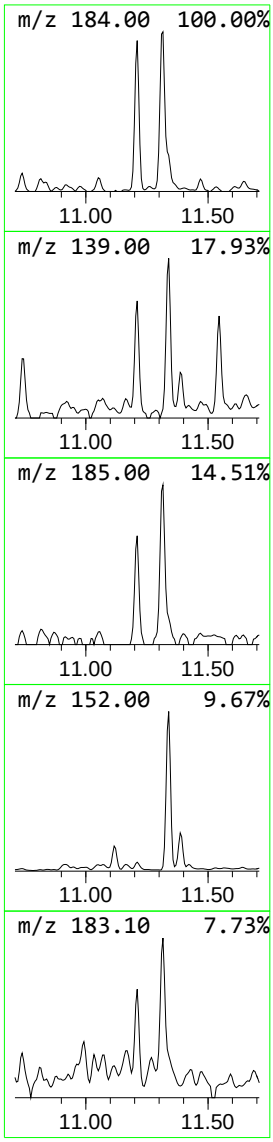
****

Peak Number 5 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	3.13 ng	79076	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

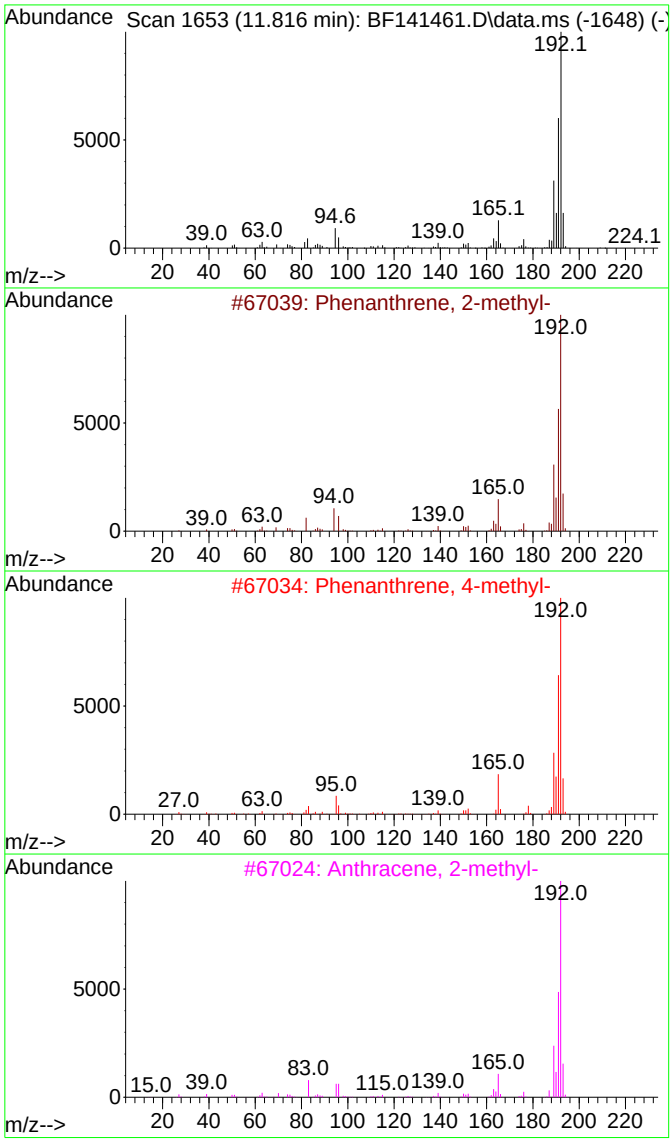
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

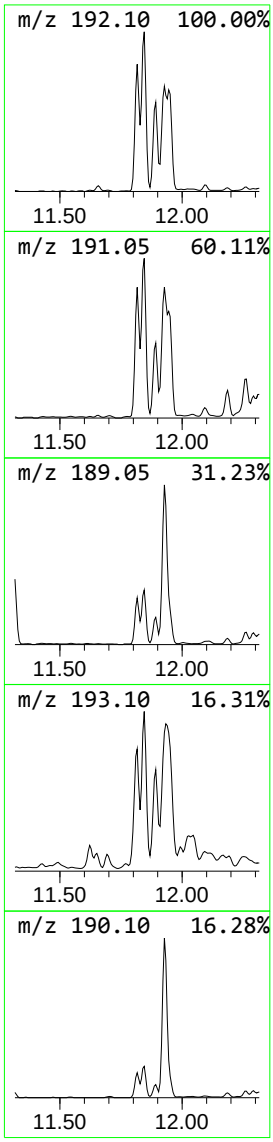
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	8.46 ng	213451	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

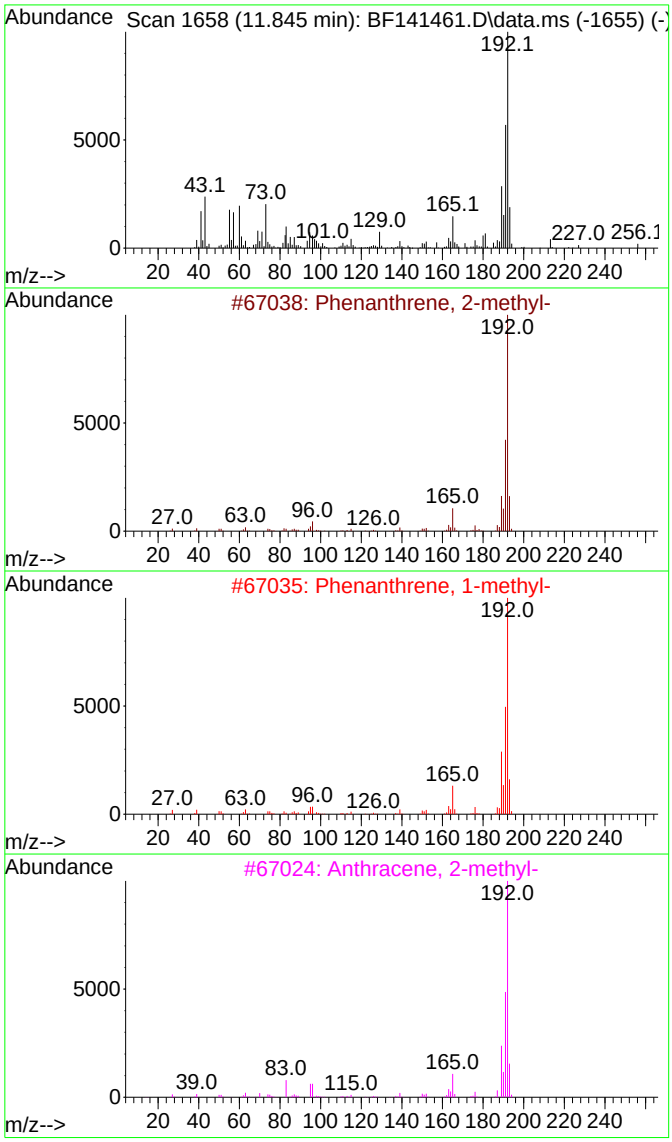
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

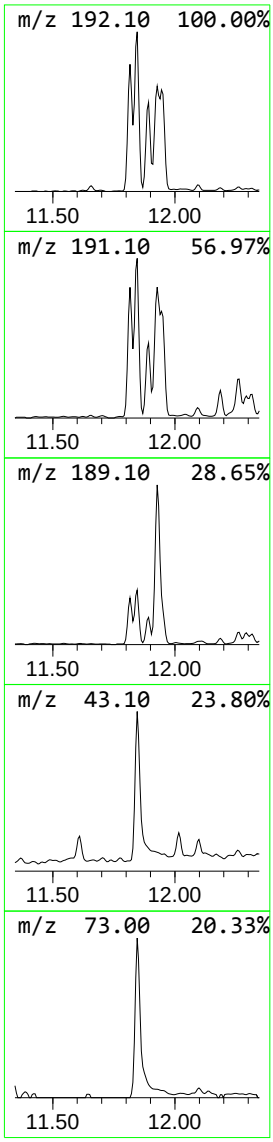
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	15.02 ng	378838	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





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Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

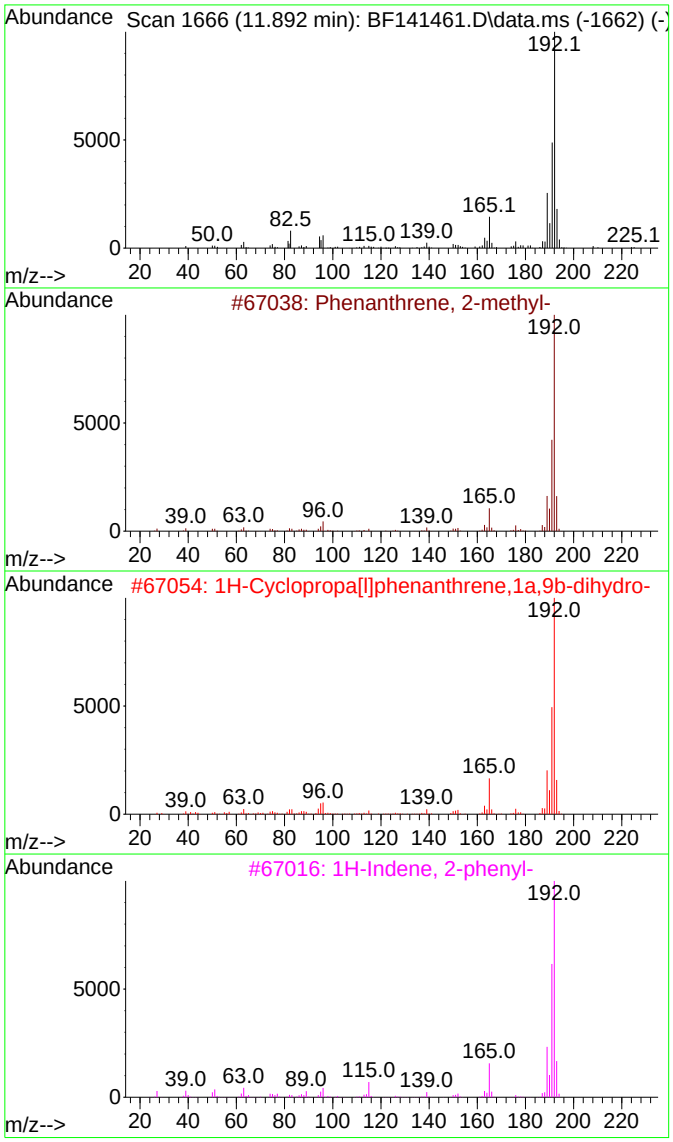
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

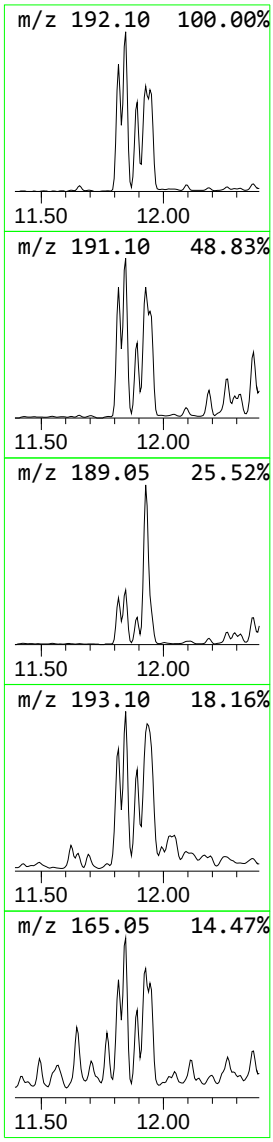
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	5.49 ng	138478	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Sample Results: **BF141461.D**

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Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-20.1-012725

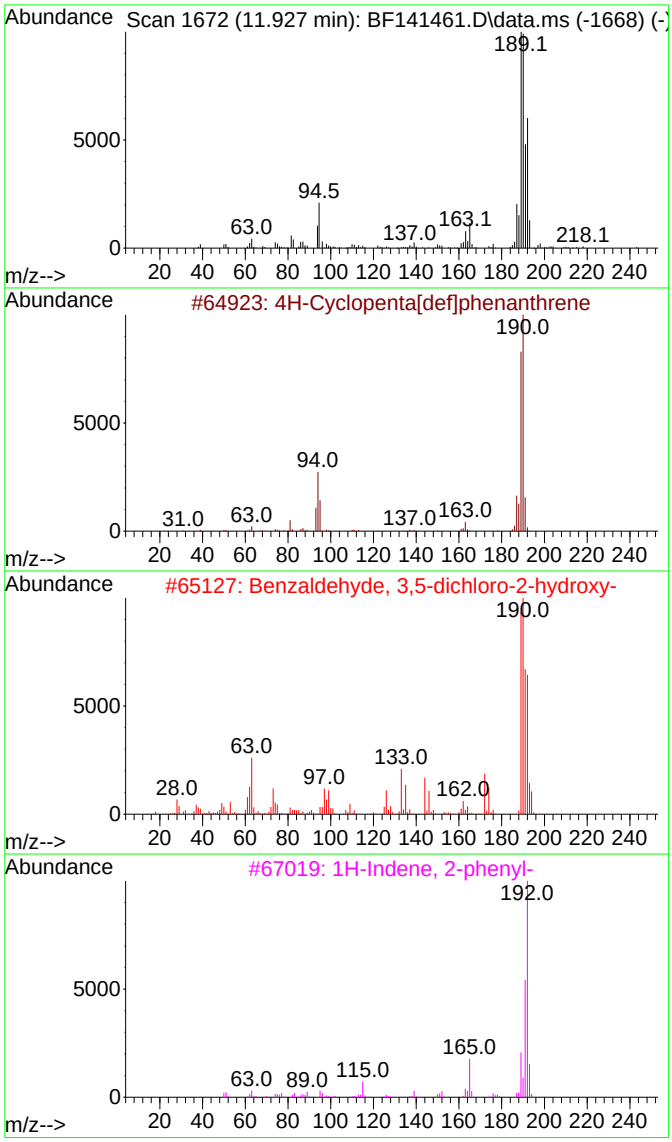
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

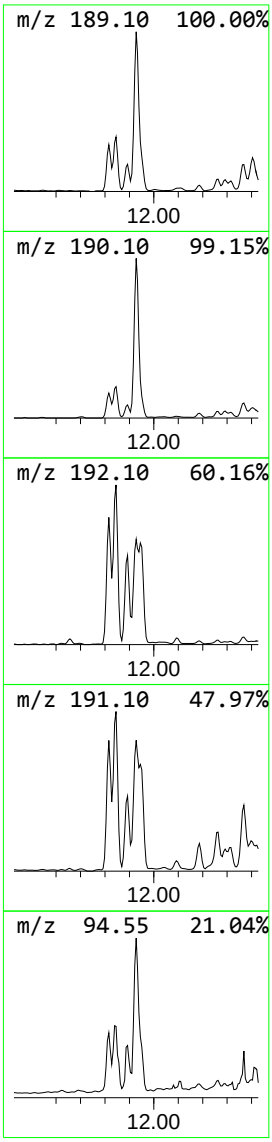
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	21.13 ng	533135	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-20.1-012725

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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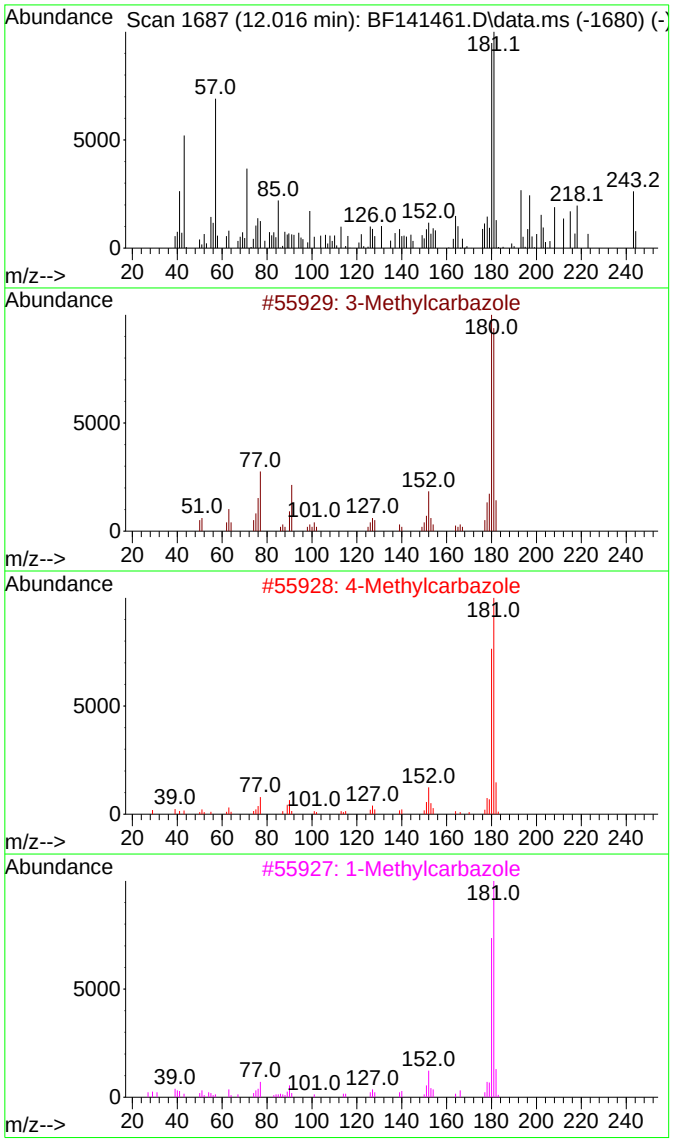
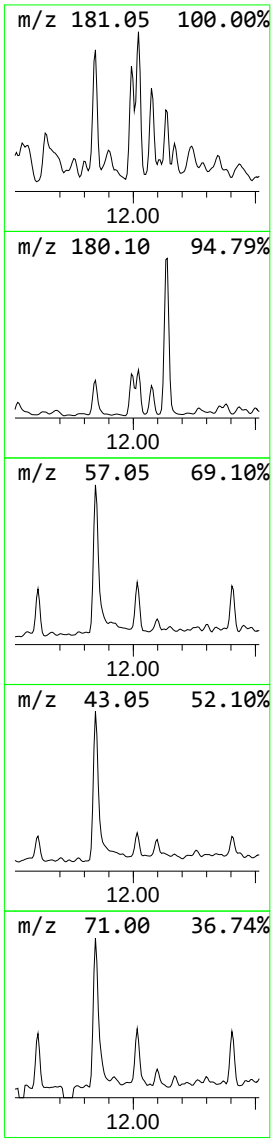
Peak Number 10 3-Methylcarbazole Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	3.05 ng	76985	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	70
2	4-Methylcarbazole	181	C13H11N	003770-48-7	55
3	1-Methylcarbazole	181	C13H11N	006510-65-2	55
4	4-(2-Phenylvinyl)pyridine, trans-	181	C13H11N	005097-93-8	55
5	4aH-carbazole, 6-methyl-	181	C13H11N	1000404-86-1	49





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Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

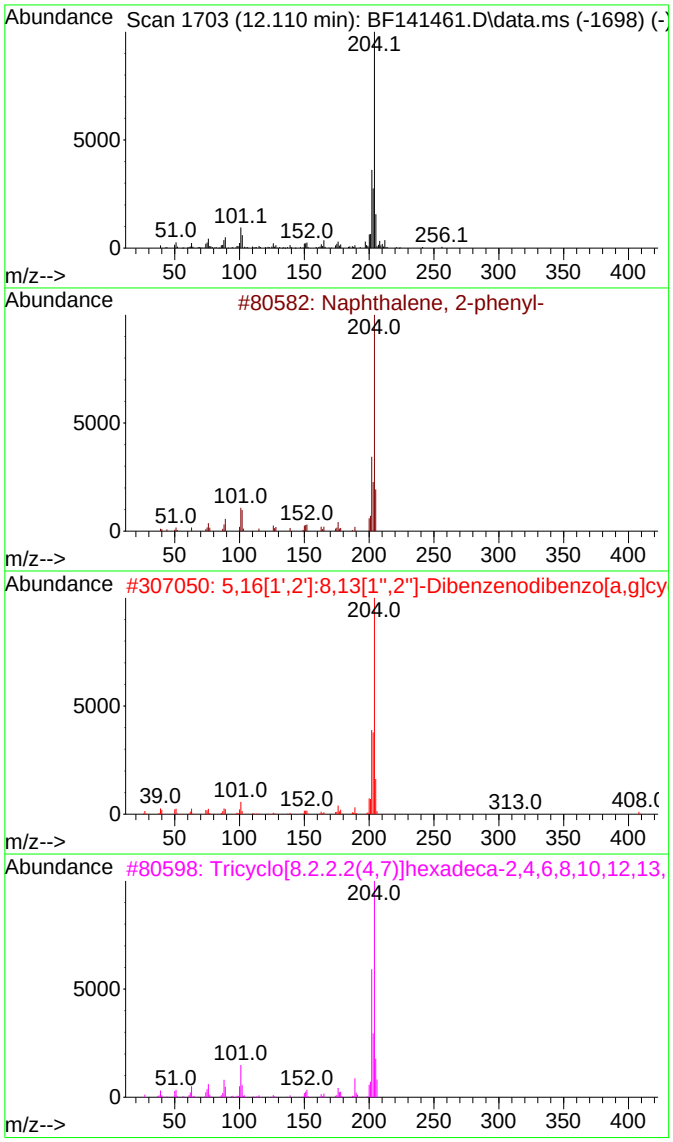
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

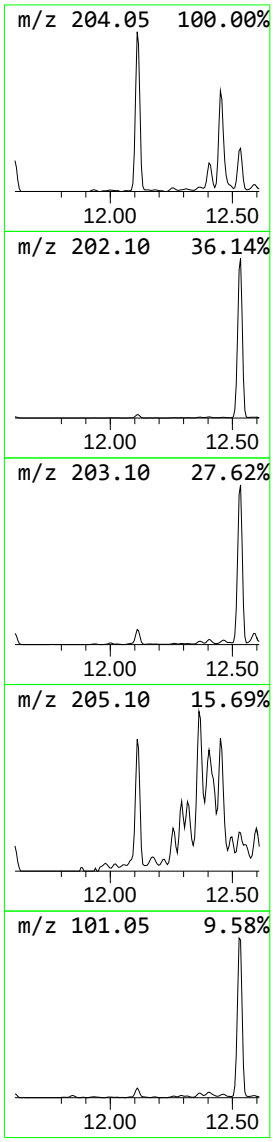
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	6.94 ng	175204	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Sample Results: **BF141461.D**

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Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-20.1-012725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

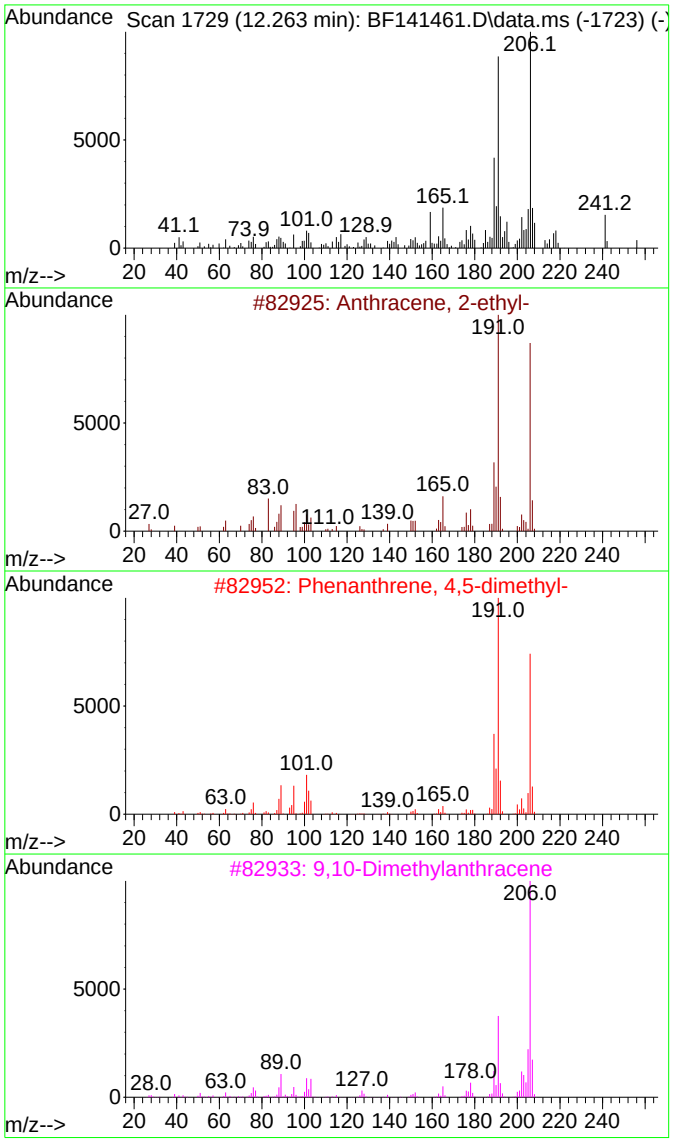
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

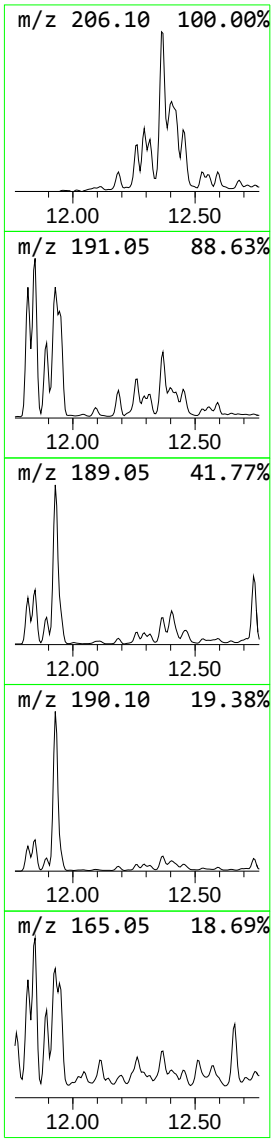
****

Peak Number 12 Anthracene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	3.56 ng	89908	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90





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Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-20.1-012725

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

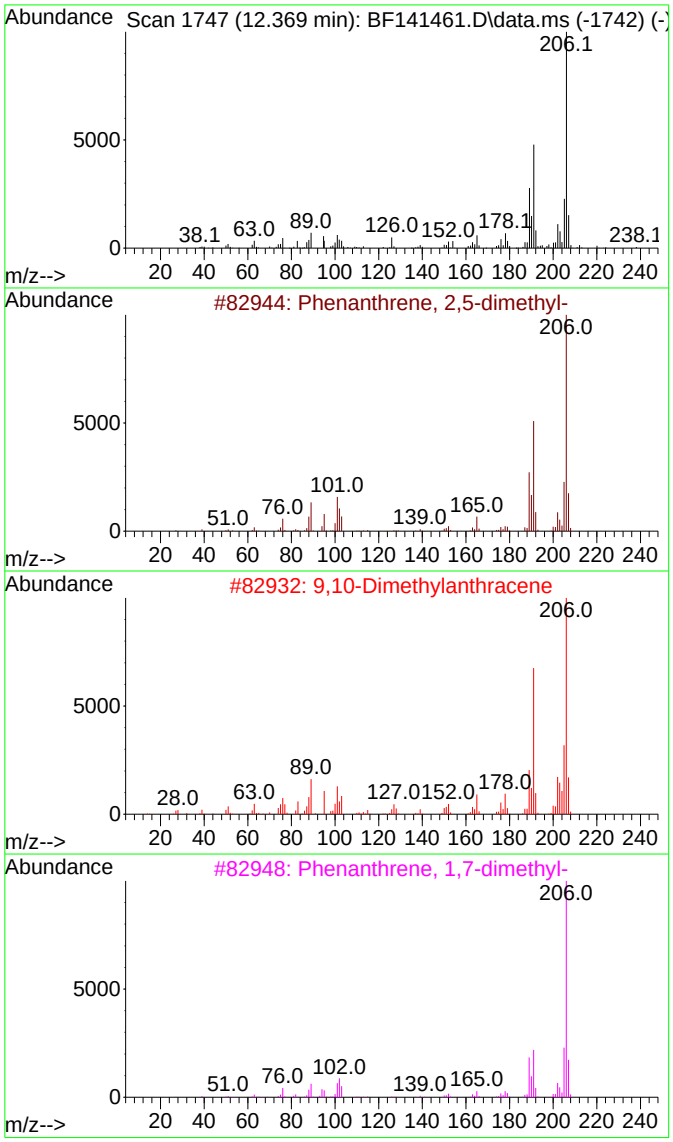
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

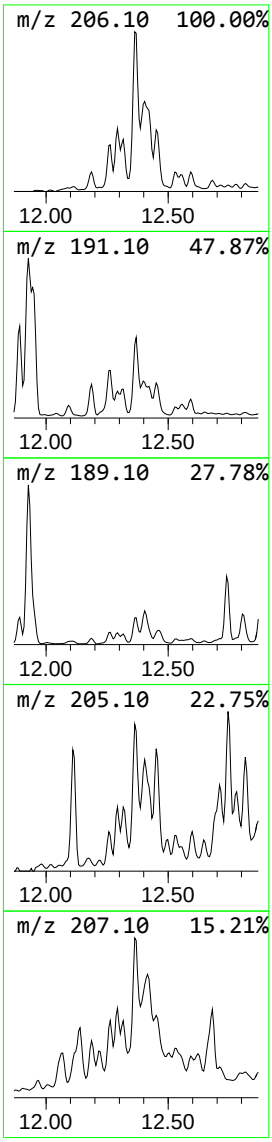
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	6.66 ng	168090	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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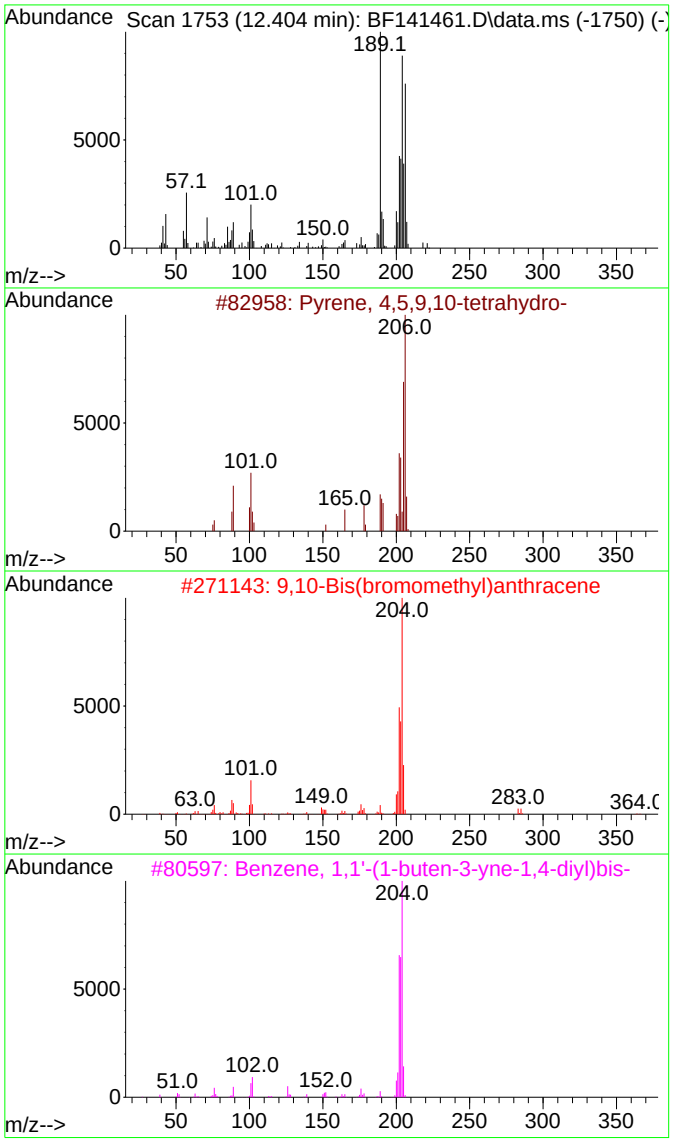
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

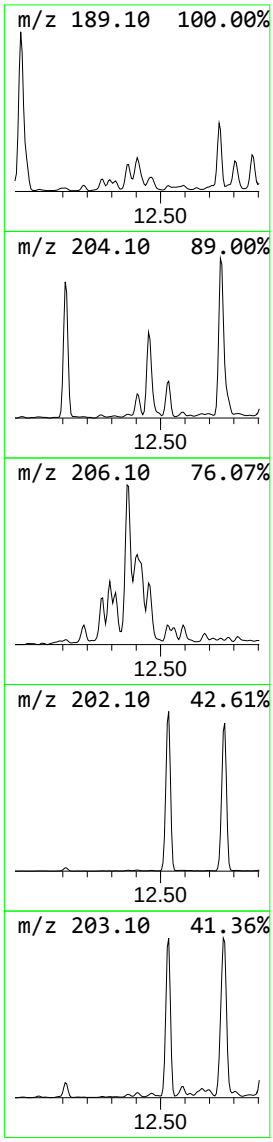
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	4.19 ng	105691	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	80
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30
4	1-Isopropyl-1H-benzimidazole-5-c...	204	C11H12N2O2	284673-16-1	27
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	25





Sample Results: **BF141461.D**

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Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

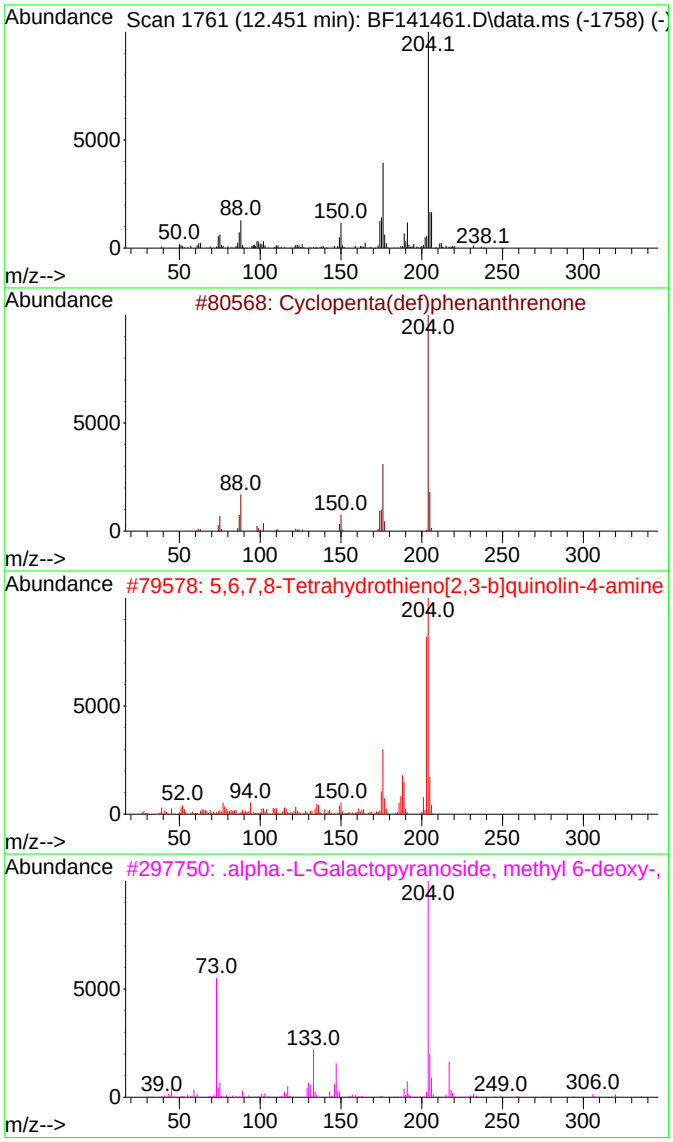
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

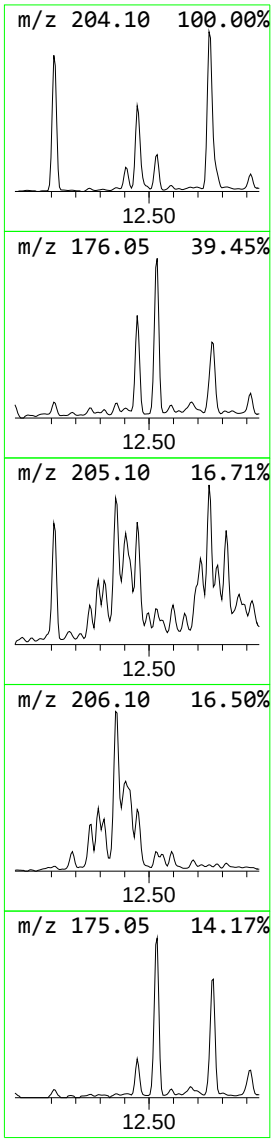
****

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	6.28 ng	158423	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	.alpha.-L-Galactopyranoside, met...	394	C16H38O5Si3	056271-60-4	43
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

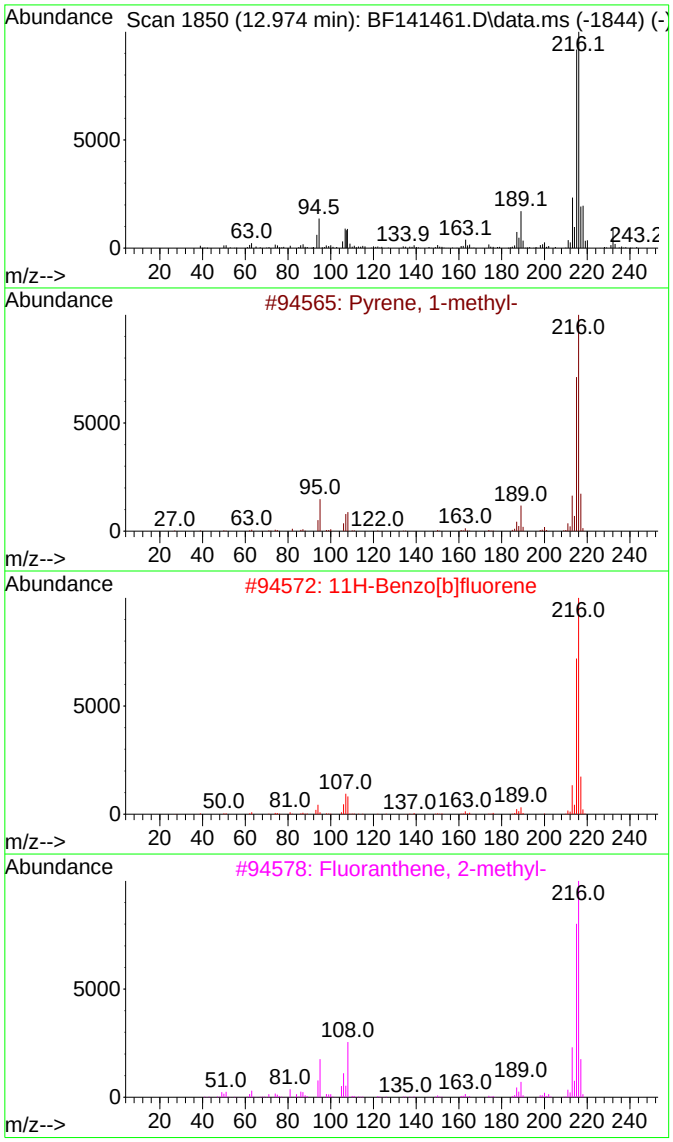
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

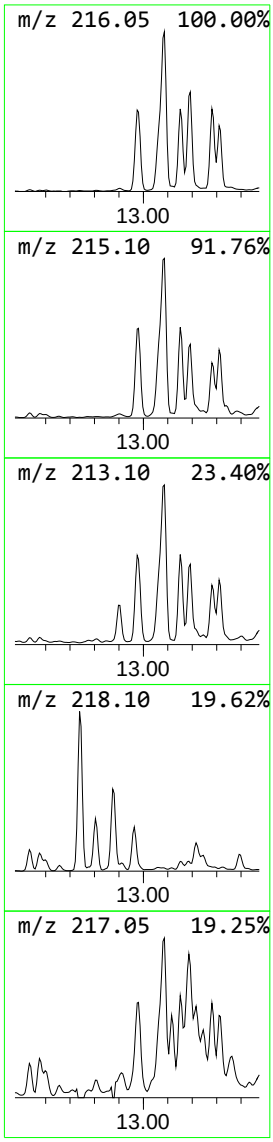
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.974	3.31 ng	302246	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

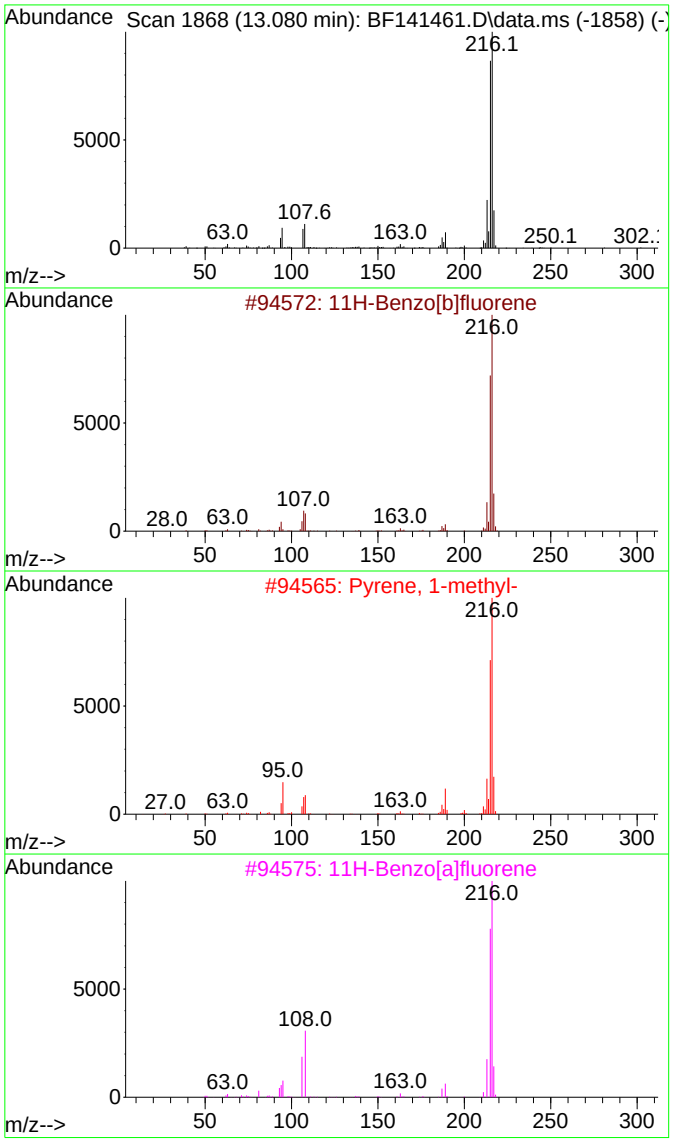
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

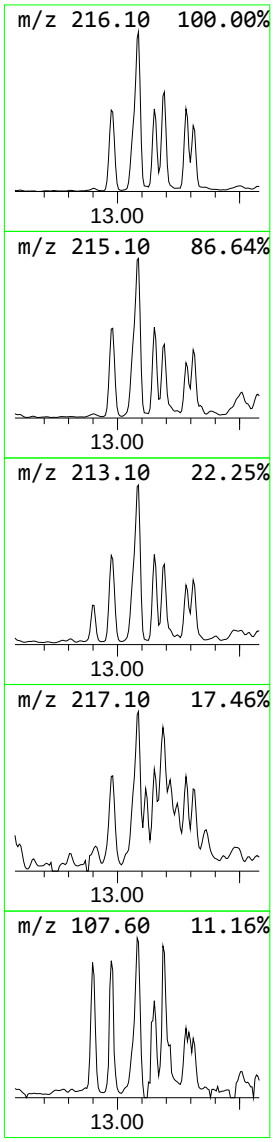
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	4.65 ng	424661	Chrysene-d12	13.963

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	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

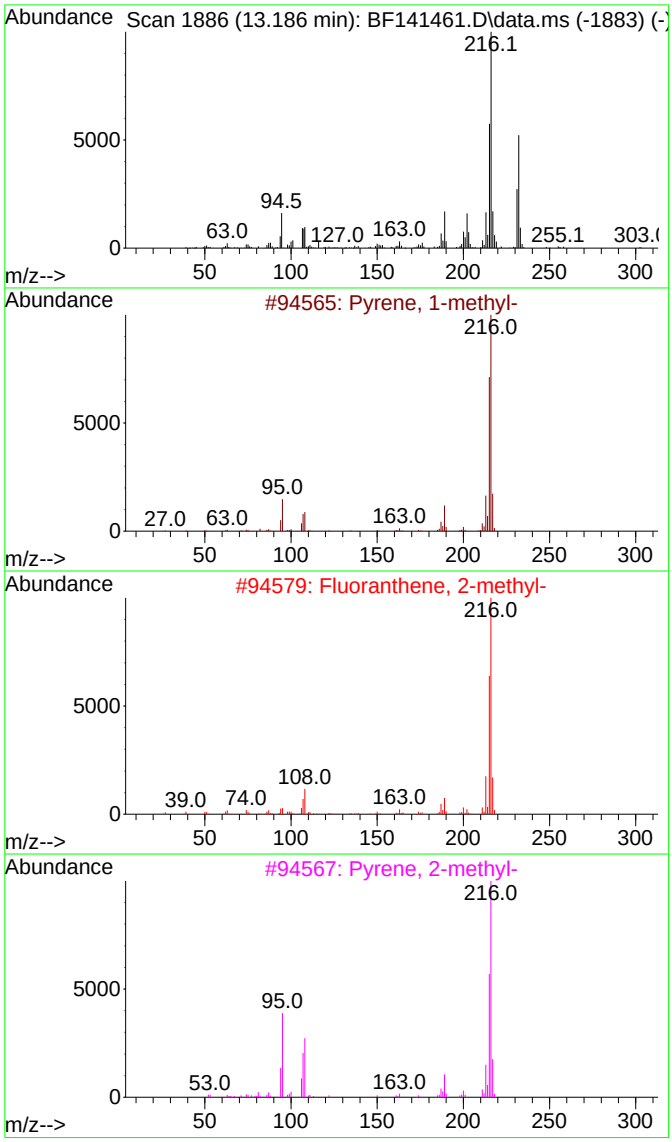
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

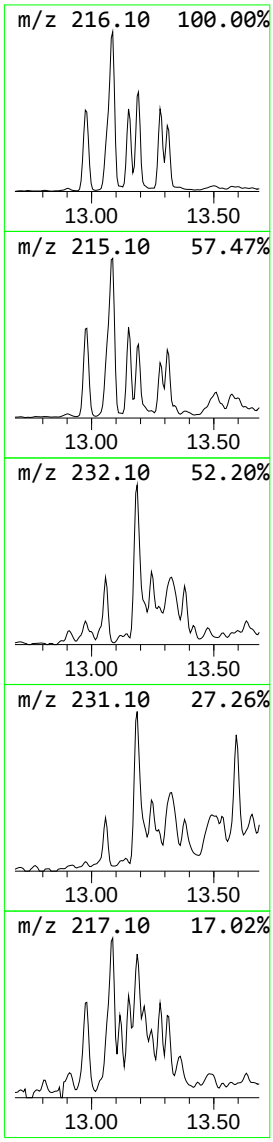
****

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	3.13 ng	285563	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

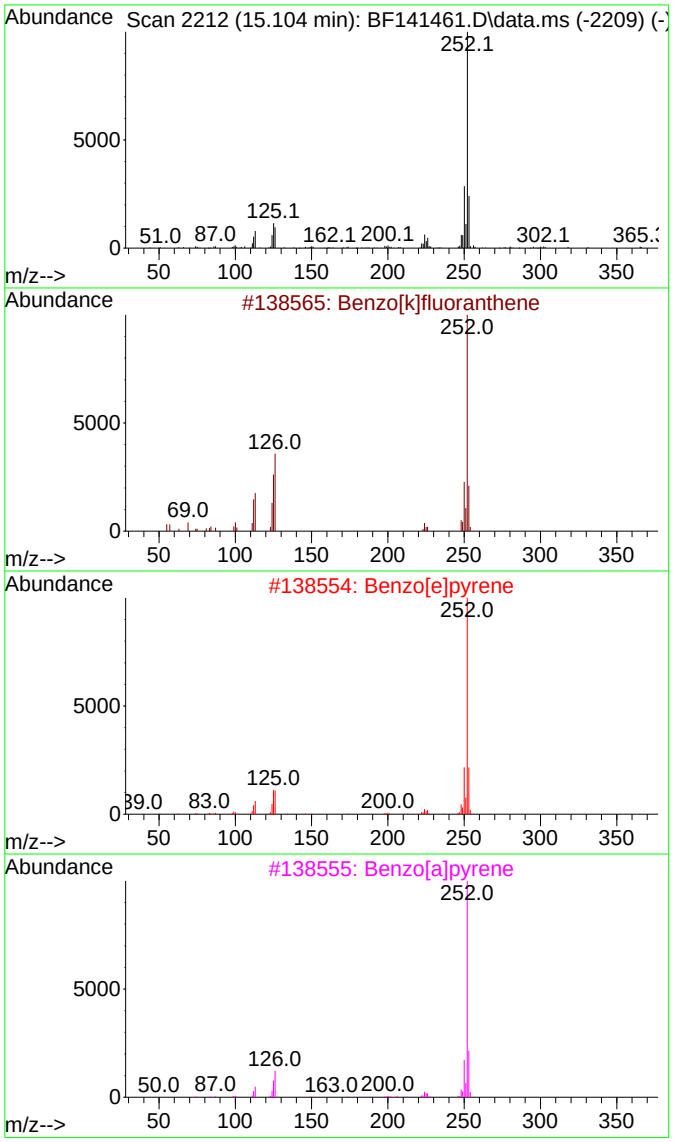
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

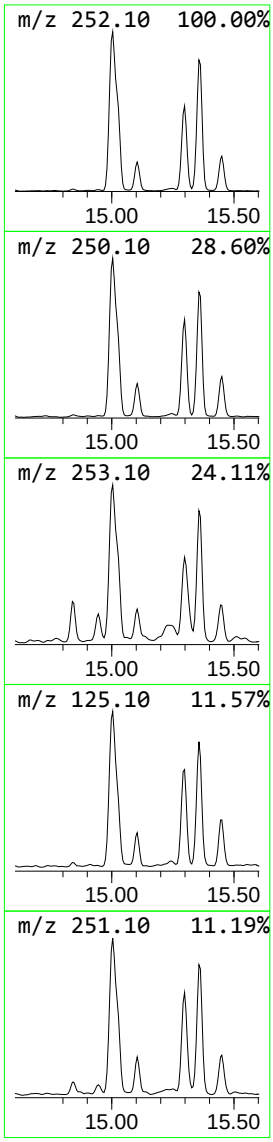
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	8.31 ng	126279	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

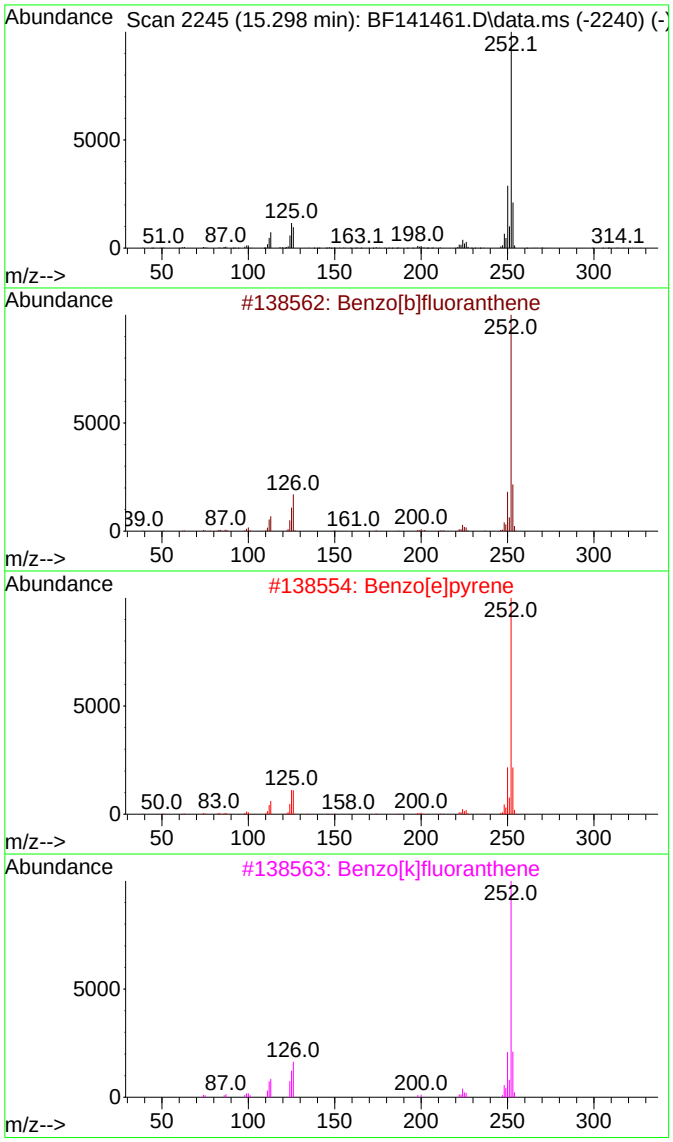
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

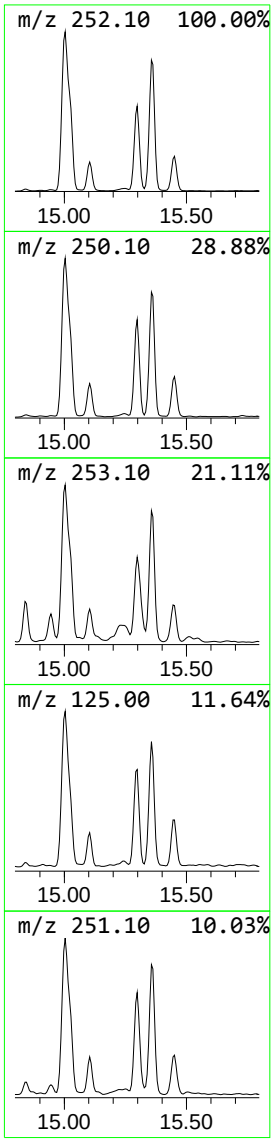
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	31.73 ng	482191	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Sample Results: **BF141461.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
Acq On : 05 Feb 2025 21:31
Operator : RC/JU
Sample : Q1206-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.539	9.9	ng	296915	3	9.828	600050	20.0
9H-Fluorene, 2-...	10.922	3.6	ng	91804	4	11.316	504612	20.0
9H-Fluoren-9-one	11.116	2.4	ng	60871	4	11.316	504612	20.0
3'-Methyl-[1,1'...	11.163	3.4	ng	85603	4	11.316	504612	20.0
Dibenzothiophene	11.210	3.1	ng	79076	4	11.316	504612	20.0
Phenanthrene, 2...	11.816	8.5	ng	213451	4	11.316	504612	20.0
Phenanthrene, 1...	11.845	15.0	ng	378838	4	11.316	504612	20.0
1H-Cyclopropa[l...	11.892	5.5	ng	138478	4	11.316	504612	20.0
4H-Cyclopenta[d...	11.928	21.1	ng	533135	4	11.316	504612	20.0
3-Methylcarbazole	12.016	3.0	ng	76985	4	11.316	504612	20.0
Naphthalene, 2-...	12.110	6.9	ng	175204	4	11.316	504612	20.0
Anthracene, 2-e...	12.263	3.6	ng	89908	4	11.316	504612	20.0
Phenanthrene, 2...	12.369	6.7	ng	168090	4	11.316	504612	20.0
Pyrene, 4,5,9,1...	12.404	4.2	ng	105691	4	11.316	504612	20.0
Cyclopenta(def)...	12.451	6.3	ng	158423	4	11.316	504612	20.0
Pyrene, 1-methyl-	12.974	3.3	ng	302246	5	13.963	1825840	20.0
11H-Benzo[b]flu...	13.080	4.7	ng	424661	5	13.963	1825840	20.0
Fluoranthene, 2...	13.186	3.1	ng	285563	5	13.963	1825840	20.0
Benzo[e]pyrene	15.104	8.3	ng	126279	6	15.421	303938	20.0
Benzo[j]fluoran...	15.298	31.7	ng	482191	6	15.421	303938	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-20.1-012725DL	SDG No.:	Q1206
Lab Sample ID:	Q1206-03DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141567.D	2	01/29/25 08:40	02/11/25 17:35	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	770	UD	420	770	ug/Kg
108-95-2	Phenol	400	UD	190	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	400	UD	200	400	ug/Kg
95-57-8	2-Chlorophenol	400	UD	190	400	ug/Kg
95-48-7	2-Methylphenol	400	UD	190	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	UD	210	400	ug/Kg
98-86-2	Acetophenone	400	UD	200	400	ug/Kg
65794-96-9	3+4-Methylphenols	770	UD	190	770	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	UD	94.1	190	ug/Kg
67-72-1	Hexachloroethane	400	UD	190	400	ug/Kg
98-95-3	Nitrobenzene	400	UD	210	400	ug/Kg
78-59-1	Isophorone	400	UD	200	400	ug/Kg
88-75-5	2-Nitrophenol	400	UD	220	400	ug/Kg
105-67-9	2,4-Dimethylphenol	400	UD	220	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	400	UD	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	400	UD	180	400	ug/Kg
91-20-3	Naphthalene	400	UD	190	400	ug/Kg
106-47-8	4-Chloroaniline	400	UD	190	400	ug/Kg
87-68-3	Hexachlorobutadiene	400	UD	190	400	ug/Kg
105-60-2	Caprolactam	770	UD	200	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	400	UD	180	400	ug/Kg
91-57-6	2-Methylnaphthalene	400	UD	190	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	770	UDQ	360	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	UD	170	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	400	UD	170	400	ug/Kg
92-52-4	1,1-Biphenyl	400	UD	200	400	ug/Kg
91-58-7	2-Chloronaphthalene	400	UD	190	400	ug/Kg
88-74-4	2-Nitroaniline	400	UD	220	400	ug/Kg
131-11-3	Dimethylphthalate	400	UD	190	400	ug/Kg

Raw Data: **BF141567.D**

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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-20.1-012725DL	SDG No.:	Q1206
Lab Sample ID:	Q1206-03DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141567.D	2	01/29/25 08:40	02/11/25 17:35	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	400	UD	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	400	UD	190	400	ug/Kg
99-09-2	3-Nitroaniline	400	UD	210	400	ug/Kg
83-32-9	Acenaphthene	210	JD	190	400	ug/Kg
51-28-5	2,4-Dinitrophenol	770	UD	570	770	ug/Kg
100-02-7	4-Nitrophenol	770	UD	270	770	ug/Kg
132-64-9	Dibenzofuran	400	UD	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	400	UD	200	400	ug/Kg
84-66-2	Diethylphthalate	400	UD	190	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	400	UD	200	400	ug/Kg
86-73-7	Fluorene	400	UD	200	400	ug/Kg
100-01-6	4-Nitroaniline	400	UD	250	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	770	UD	270	770	ug/Kg
86-30-6	n-Nitrosodiphenylamine	400	UD	190	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	400	UD	180	400	ug/Kg
118-74-1	Hexachlorobenzene	400	UD	200	400	ug/Kg
1912-24-9	Atrazine	400	UD	210	400	ug/Kg
87-86-5	Pentachlorophenol	770	UD	180	770	ug/Kg
85-01-8	Phenanthrene	2000	D	200	400	ug/Kg
120-12-7	Anthracene	610	D	200	400	ug/Kg
86-74-8	Carbazole	400	UD	190	400	ug/Kg
84-74-2	Di-n-butylphthalate	400	UD	200	400	ug/Kg
206-44-0	Fluoranthene	3200	D	190	400	ug/Kg
129-00-0	Pyrene	2500	D	190	400	ug/Kg
85-68-7	Butylbenzylphthalate	400	UD	230	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	770	UD	230	770	ug/Kg
56-55-3	Benzo(a)anthracene	1800	D	190	400	ug/Kg
218-01-9	Chrysene	1500	D	190	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	400	UD	210	400	ug/Kg
117-84-0	Di-n-octyl phthalate	770	UD	260	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800	D	190	400	ug/Kg

Raw Data: **BF141567.D**

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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:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.1-012725DL	SDG No.:	Q1206
Lab Sample ID:	Q1206-03DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85.5
Sample Wt/Vol:	30.06 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
BF141567.D	2	01/29/25 08:40	02/11/25 17:35	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	620	D	190	400	ug/Kg
50-32-8	Benzo(a)pyrene	1700	D	220	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770	D	180	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240	JD	190	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	830	D	190	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	400	UD	200	400	ug/Kg
123-91-1	1,4-Dioxane	400	UD	260	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	400	UD	170	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.9		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.7		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.4		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.5		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.3		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	34.9		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83600	6.787			
1146-65-2	Naphthalene-d8	319000	8.069			
15067-26-2	Acenaphthene-d10	161000	9.822			
1517-22-2	Phenanthrene-d10	233000	11.304			
1719-03-5	Chrysene-d12	199000	13.951			
1520-96-3	Perylene-d12	227000	15.416			

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\BF021125\
Data File : BF141567.D
Acq On : 11 Feb 2025 17:35
Operator : RC/JU
Sample : Q1206-03DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Quant Time: Feb 11 18:05:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

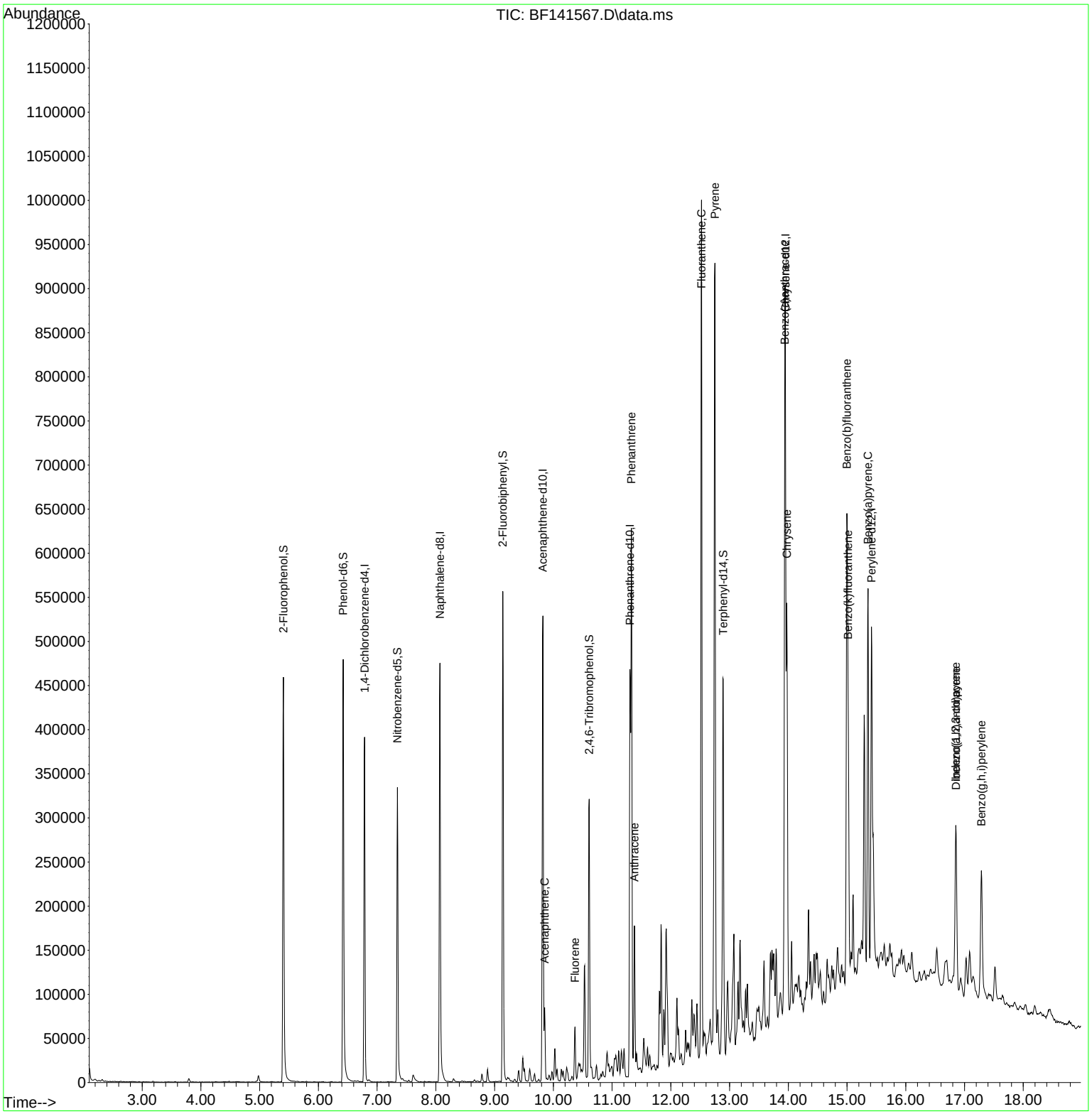
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	83557	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	319161	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	160811	20.000	ng		-0.01
64) Phenanthrene-d10	11.304	188	232903	20.000	ng		-0.01
76) Chrysene-d12	13.951	240	199404	20.000	ng		-0.01
86) Perylene-d12	15.416	264	227355	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	180911	33.944	ng		0.00
7) Phenol-d6	6.422	99	227958	33.840	ng		-0.02
23) Nitrobenzene-d5	7.345	82	154330	25.221	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	47061	29.132	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	248025	23.762	ng		-0.01
79) Terphenyl-d14	12.892	244	206209	17.458	ng		-0.01
Target Compounds							Qvalue
52) Acenaphthene	9.851	154	24992	2.711	ng		97
58) Fluorene	10.369	166	22526	2.153	ng	#	98
71) Phenanthrene	11.328	178	325290	25.373	ng		99
72) Anthracene	11.381	178	101473	7.874	ng		99
75) Fluoranthene	12.522	202	551525	40.577	ng		99
78) Pyrene	12.751	202	534703	31.500	ng		99
81) Benzo(a)anthracene	13.939	228	305607	23.056	ng		98
83) Chrysene	13.974	228	242433	19.808	ng		98
87) Indeno(1,2,3-cd)pyrene	16.851	276	139277	9.914	ng		94
88) Benzo(b)fluoranthene	14.998	252	359438m	23.545	ng		
89) Benzo(k)fluoranthene	15.016	252	104198m	7.993	ng		
90) Benzo(a)pyrene	15.357	252	268790	21.760	ng		97
91) Dibenzo(a,h)anthracene	16.857	278	35685	3.135	ng	#	84
92) Benzo(g,h,i)perylene	17.286	276	127266	10.684	ng		98

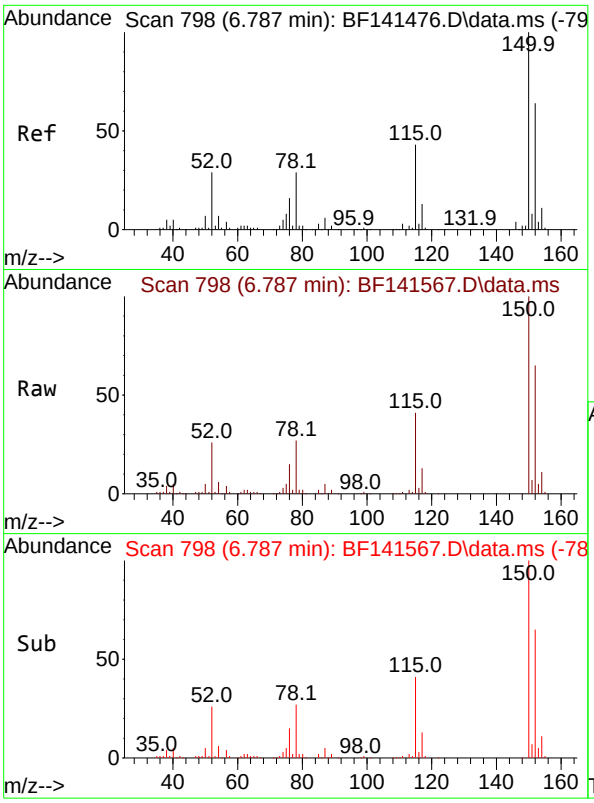
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141567.D
Acq On : 11 Feb 2025 17:35
Operator : RC/JU
Sample : Q1206-03DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Quant Time: Feb 11 18:05:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



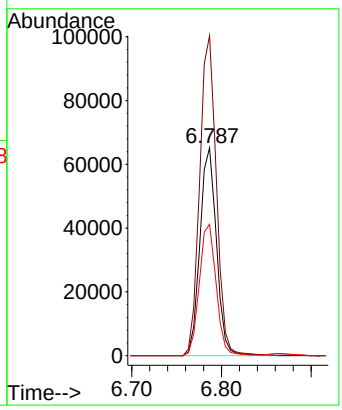


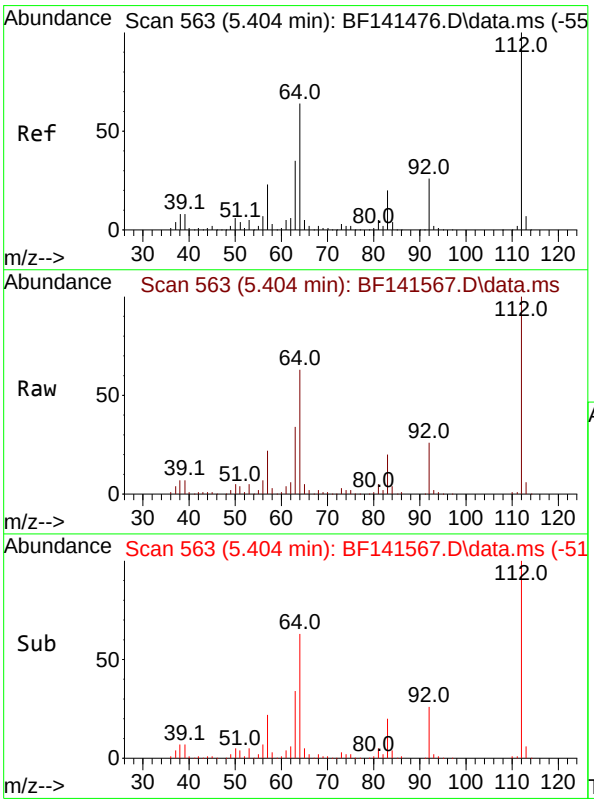
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:152 Resp: 83557

Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.0	187.4
115	63.2	53.6	80.4

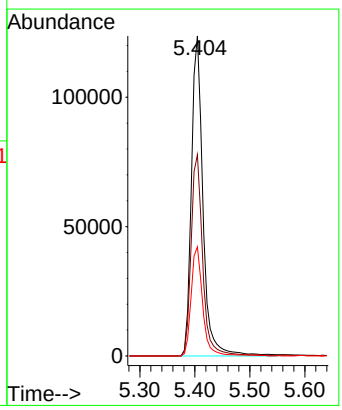


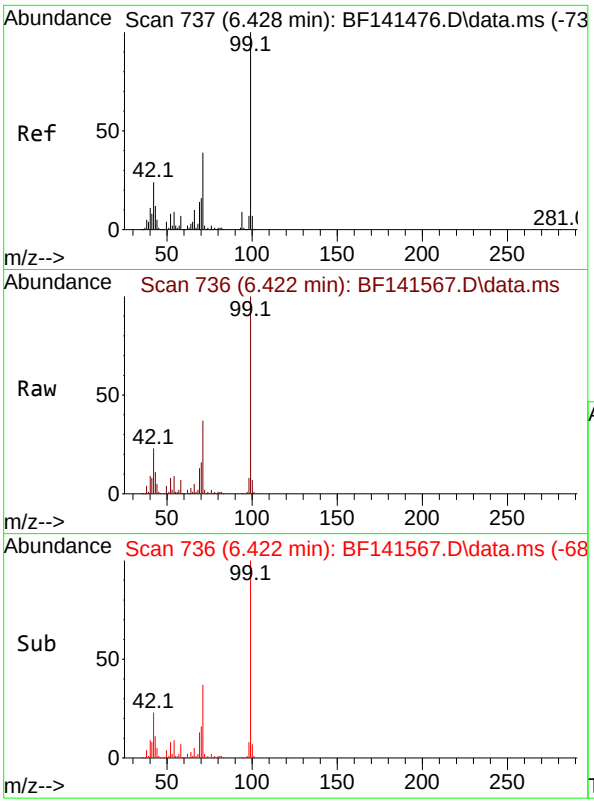


#5
2-Fluorophenol
Concen: 33.944 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:112 Resp: 180911

Ion	Ratio	Lower	Upper
112	100		
64	62.9	51.1	76.7
63	34.1	28.4	42.6



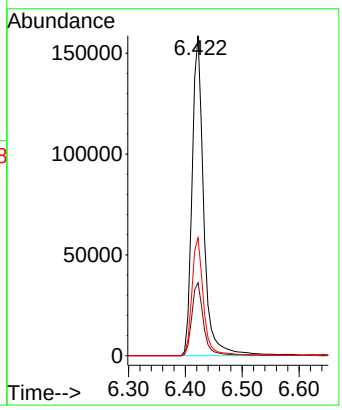


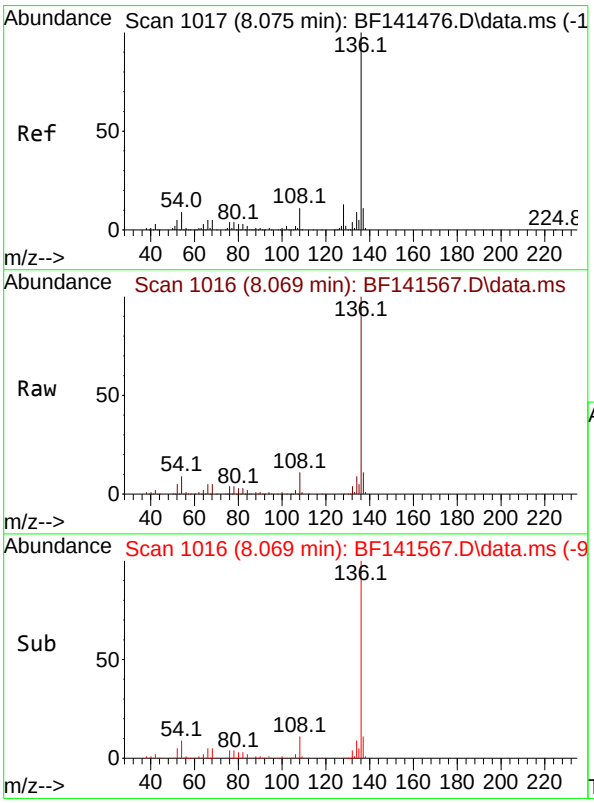
#7
Phenol-d6
Concen: 33.840 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion: 99 Resp: 227958

Ion	Ratio	Lower	Upper
99	100		
42	22.8	19.1	28.7
71	36.9	31.1	46.7

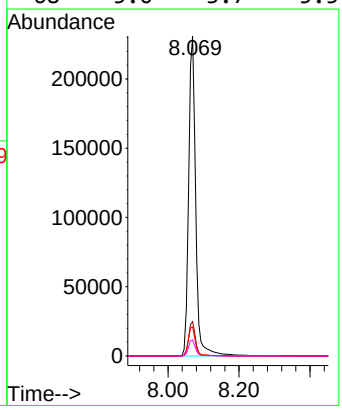


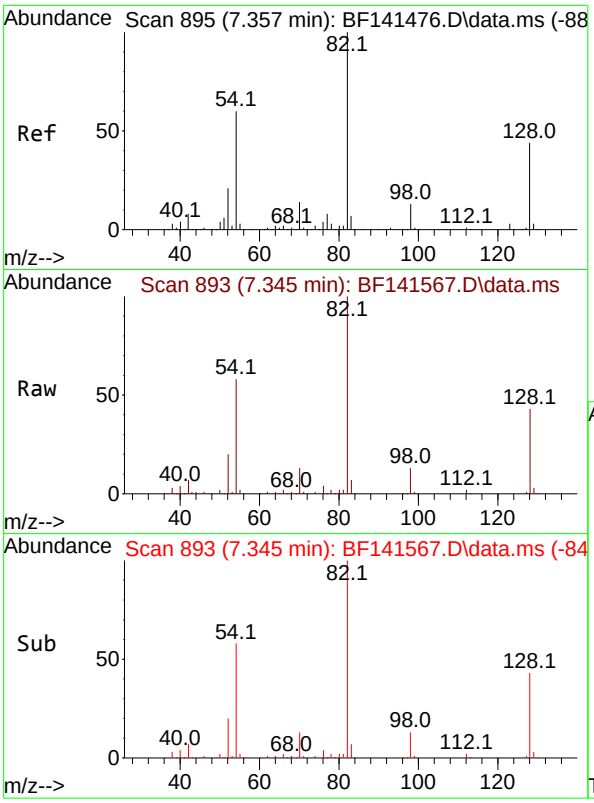


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:136 Resp: 319161

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.1	7.2	10.8
68	5.0	3.7	5.5



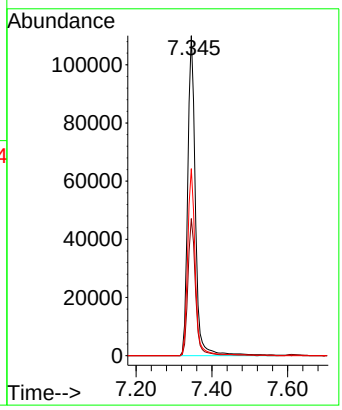


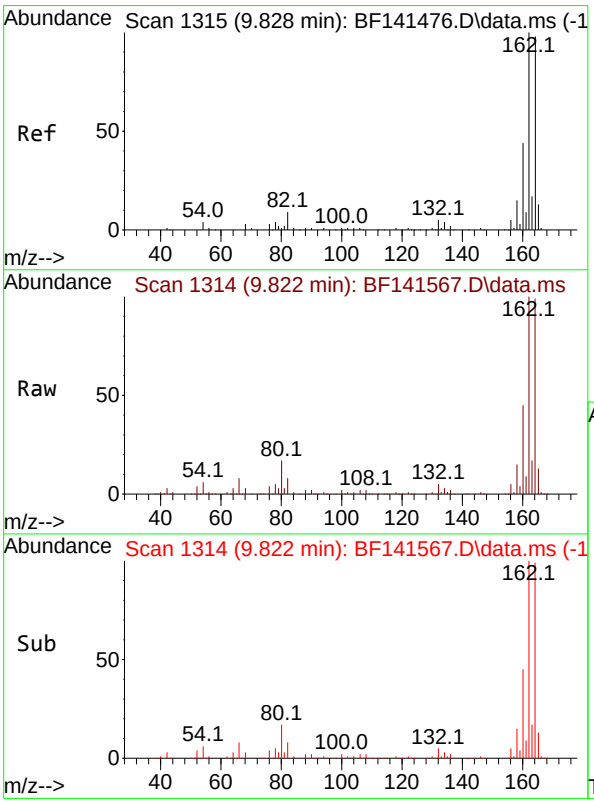
#23
Nitrobenzene-d5
Concen: 25.221 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion: 82 Resp: 154330

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	58.5	48.2	72.4

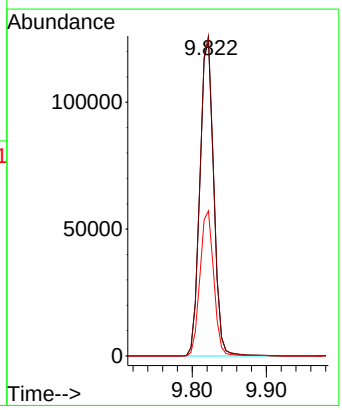


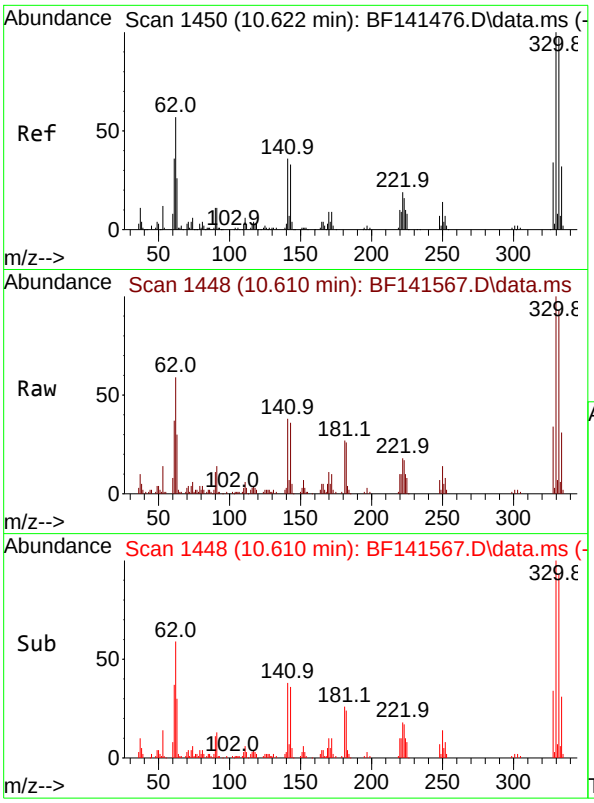


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:164 Resp: 160811

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	46.0	35.9	53.9



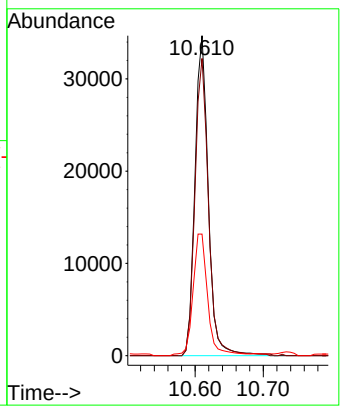


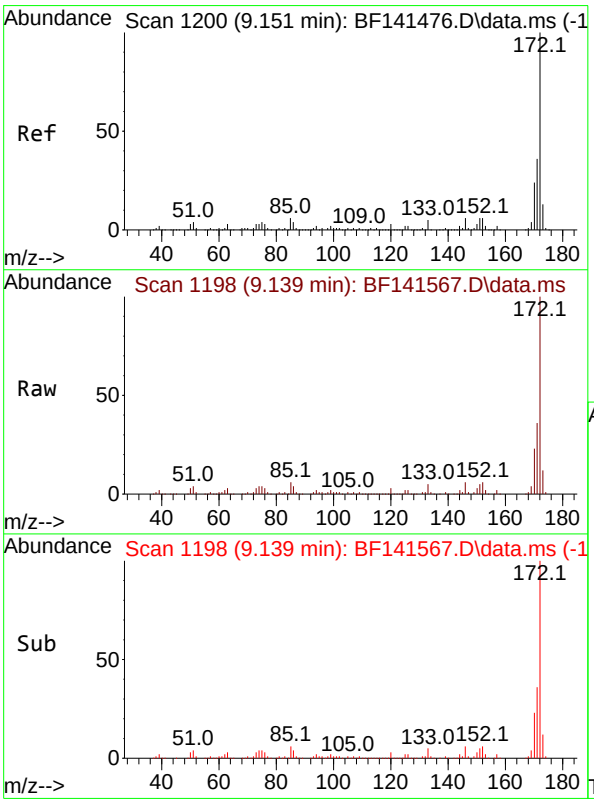
#42
2,4,6-Tribromophenol
Concen: 29.132 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:330 Resp: 47061

Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.5	117.7
141	41.5	31.0	46.4

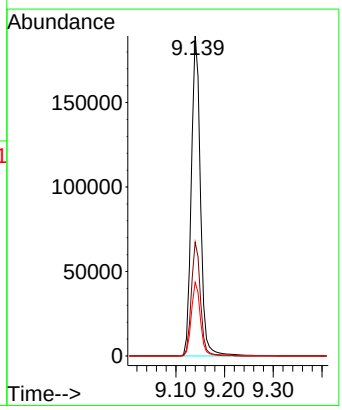


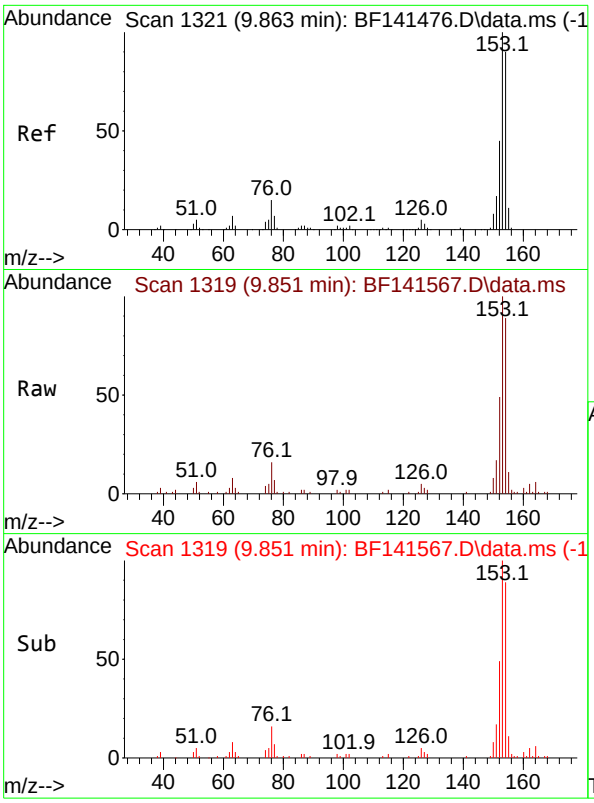


#45
2-Fluorobiphenyl
Concen: 23.762 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:172 Resp: 248025

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.0	18.9	28.3



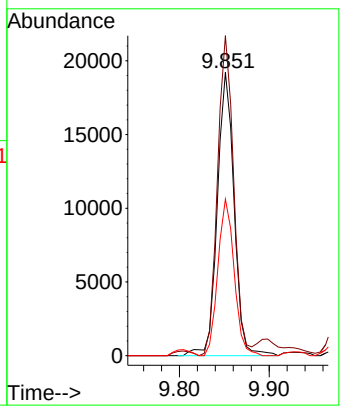


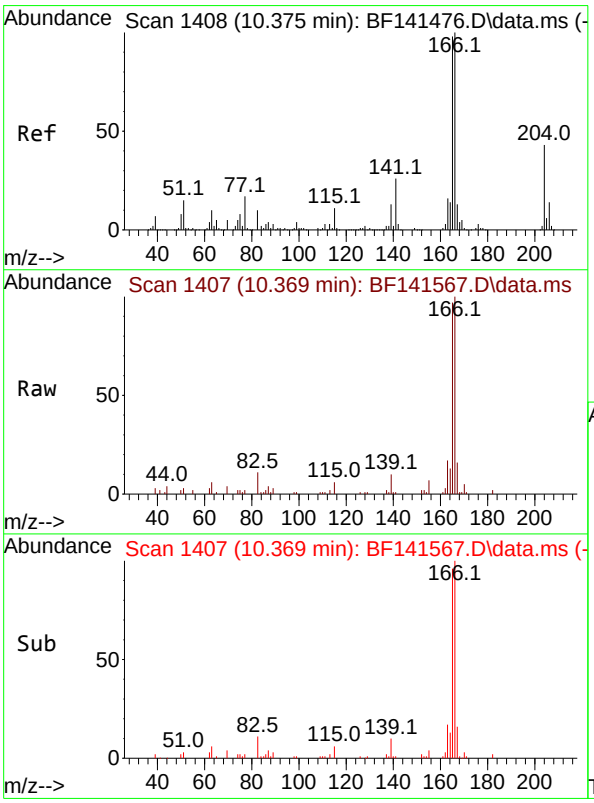
#52
Acenaphthene
Concen: 2.711 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:154 Resp: 24992

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.2	133.8
152	55.2	39.8	59.8

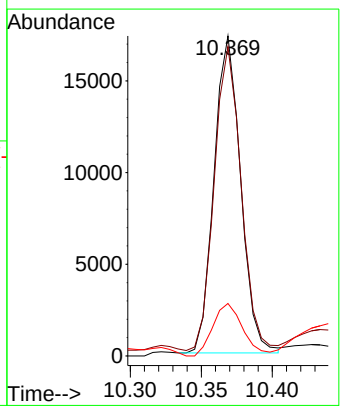


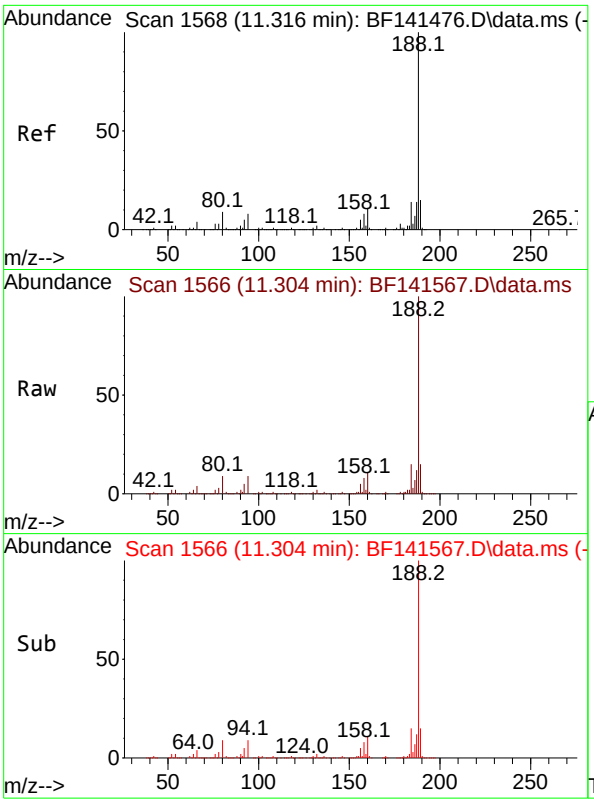


#58
Fluorene
Concen: 2.153 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:166 Resp: 22526

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.2	117.2
167	16.4	10.7	16.1#



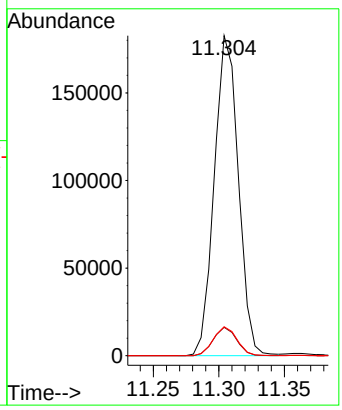


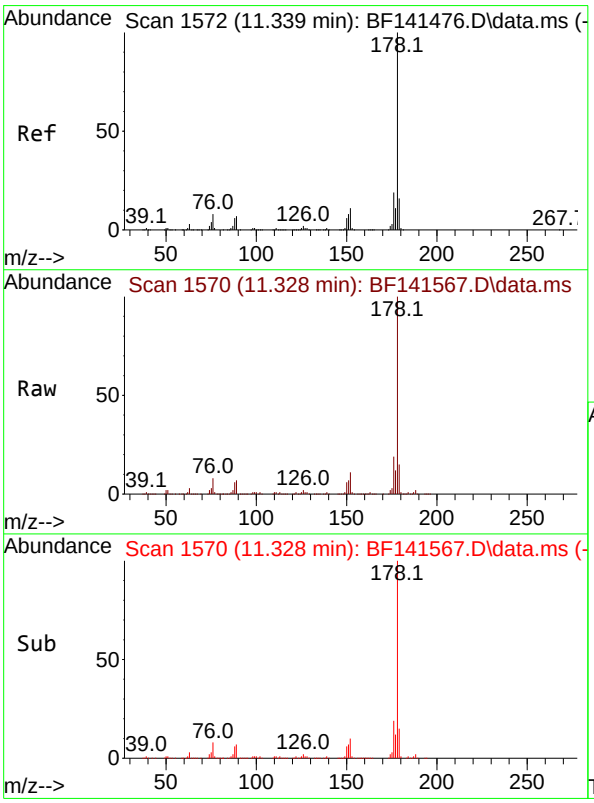
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:188 Resp: 232903

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	10.0
80	9.0	7.3	10.9

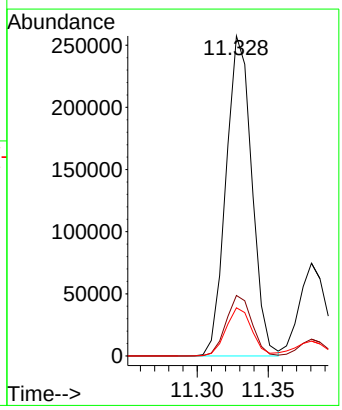


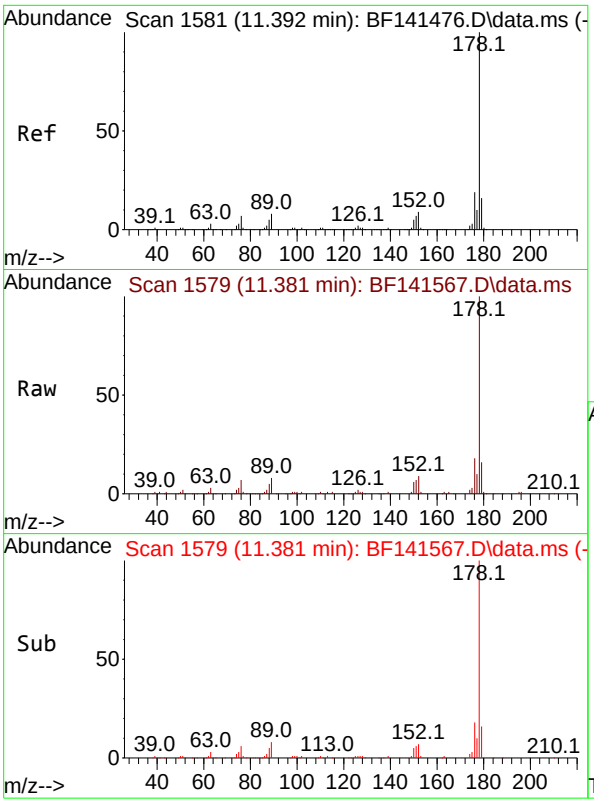


#71
Phenanthrene
Concen: 25.373 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:178 Resp: 325290

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.0	12.4	18.6



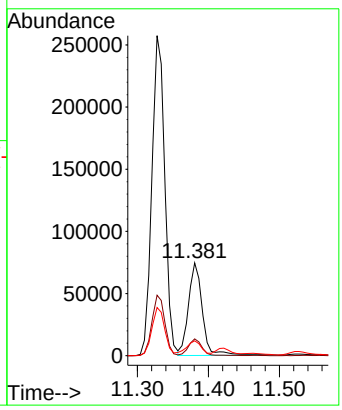


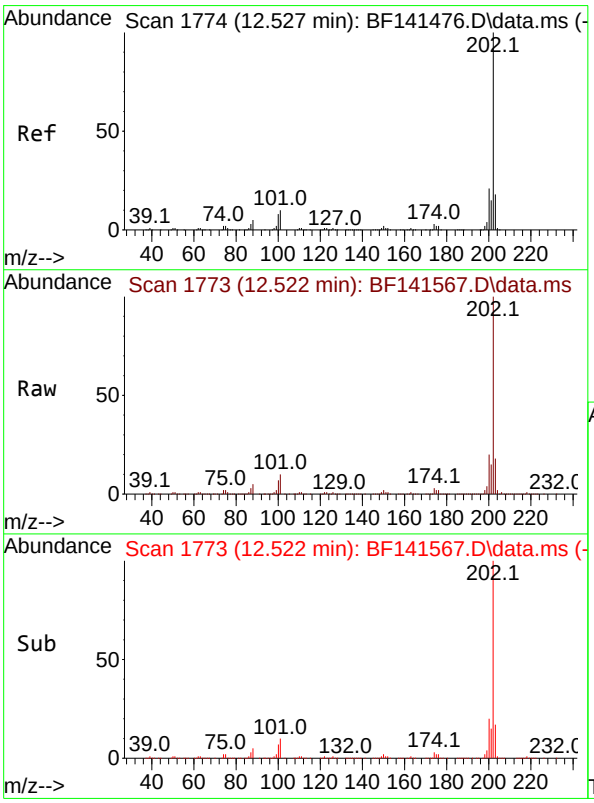
#72
Anthracene
Concen: 7.874 ng
RT: 11.381 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:178 Resp: 101473

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	16.0	12.4	18.6

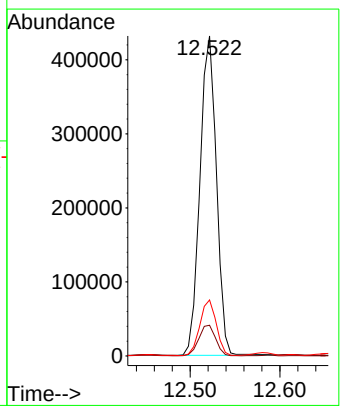


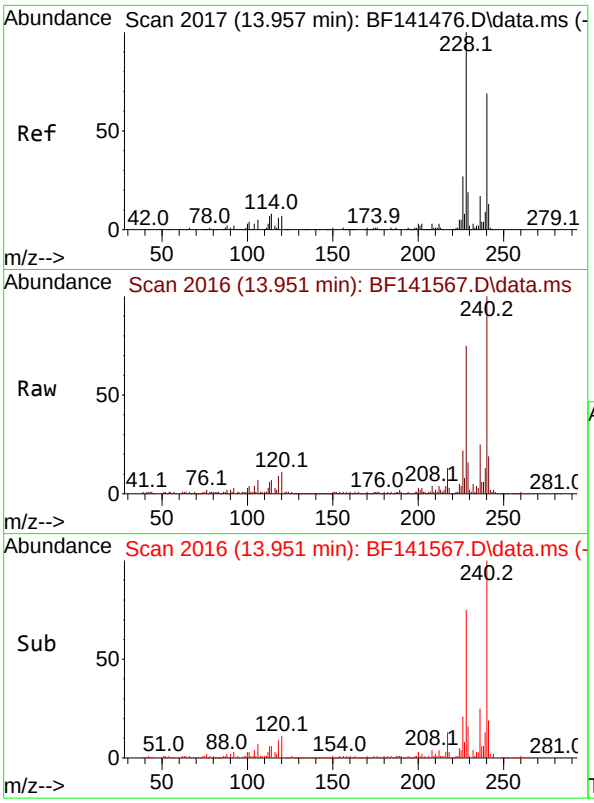


#75
Fluoranthene
Concen: 40.577 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:202 Resp: 551525

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.2
203	17.5	0.0	37.6



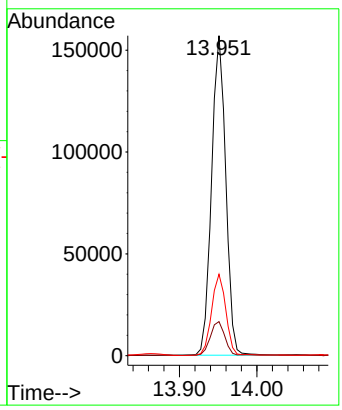


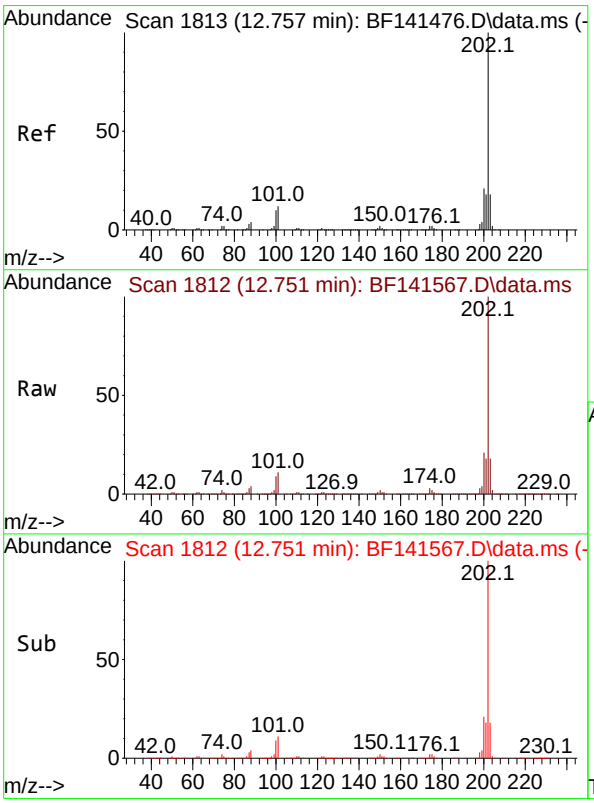
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:240 Resp: 199404

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.0	12.0
236	25.4	19.8	29.8

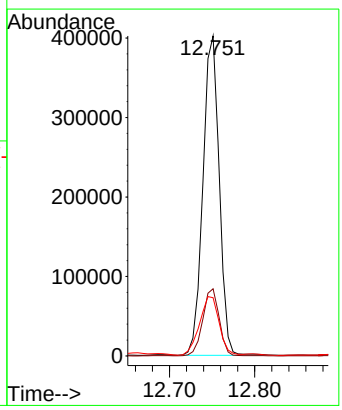


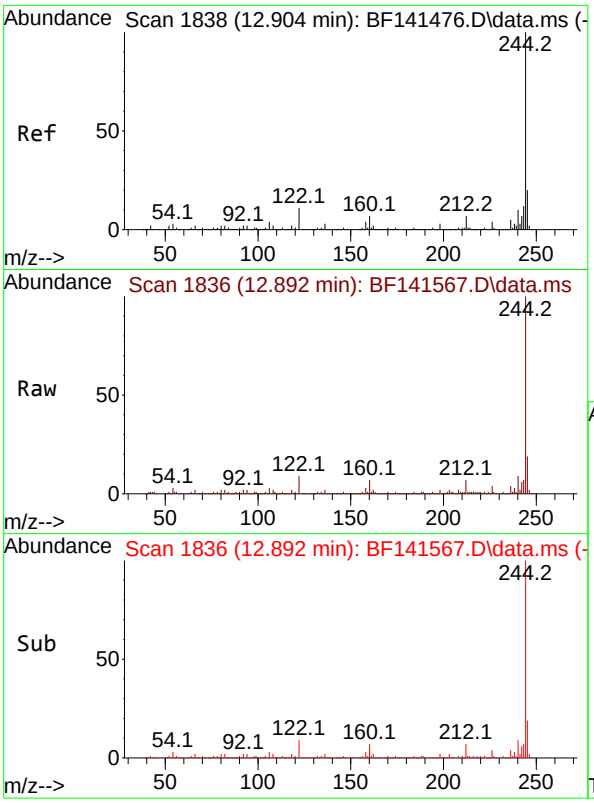


#78
Pyrene
Concen: 31.500 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:202 Resp: 534703

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.2	14.3	21.5



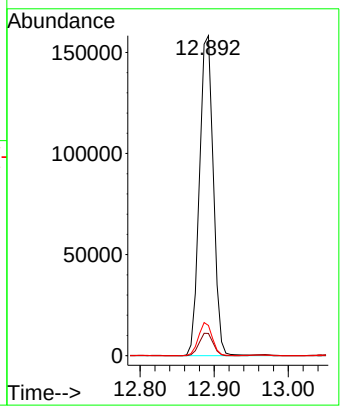


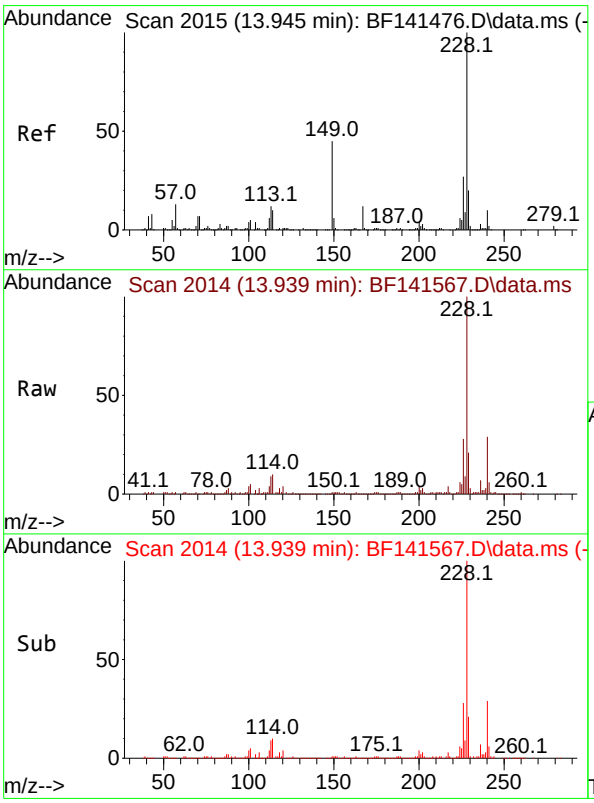
#79
Terphenyl-d14
Concen: 17.458 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:244 Resp: 206209

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.5	8.4	12.6

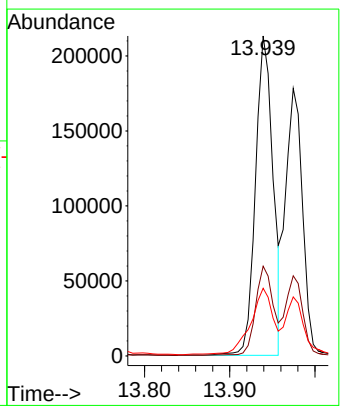


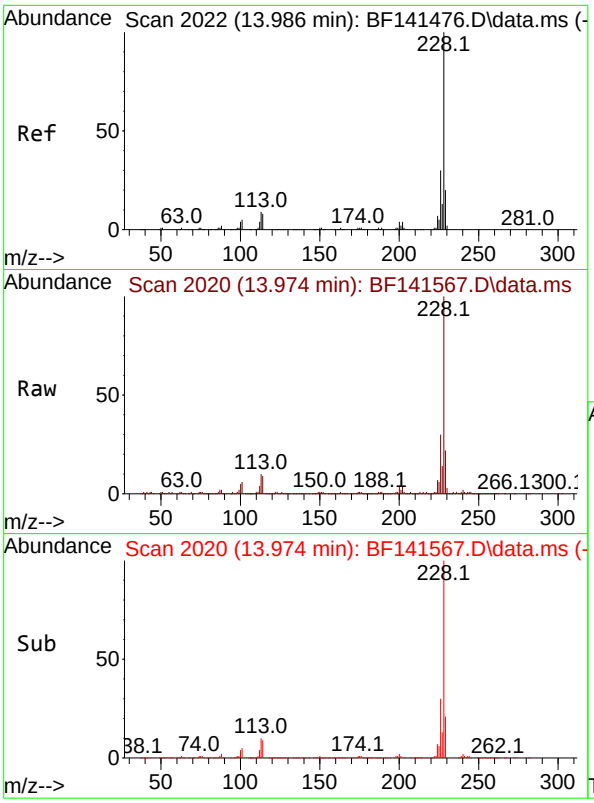


#81
Benzo(a)anthracene
Concen: 23.056 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:228 Resp: 305607

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.8
229	21.1	15.8	23.6



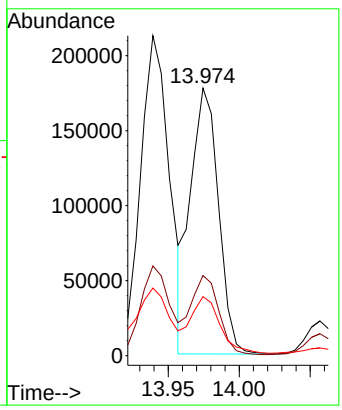


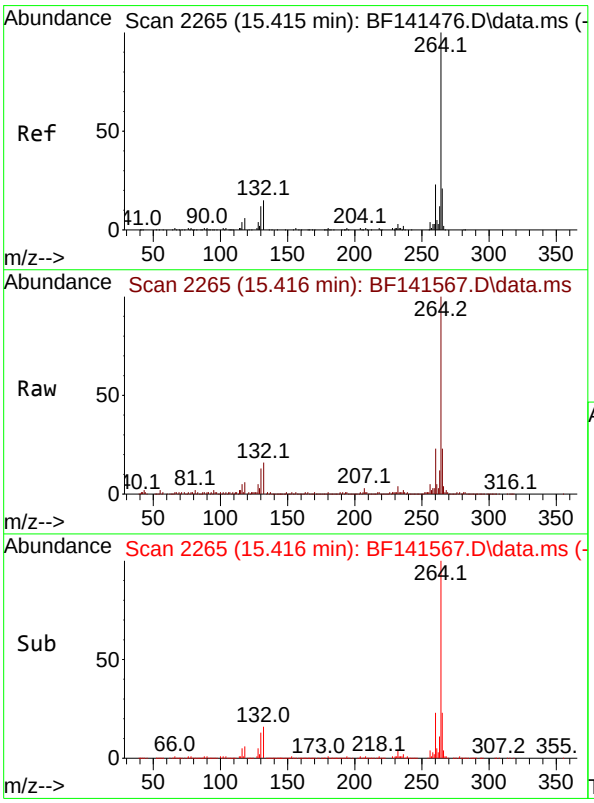
#83
Chrysene
Concen: 19.808 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:228 Resp: 242433

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	22.1	15.7	23.5

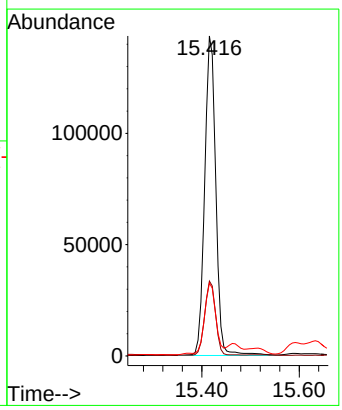


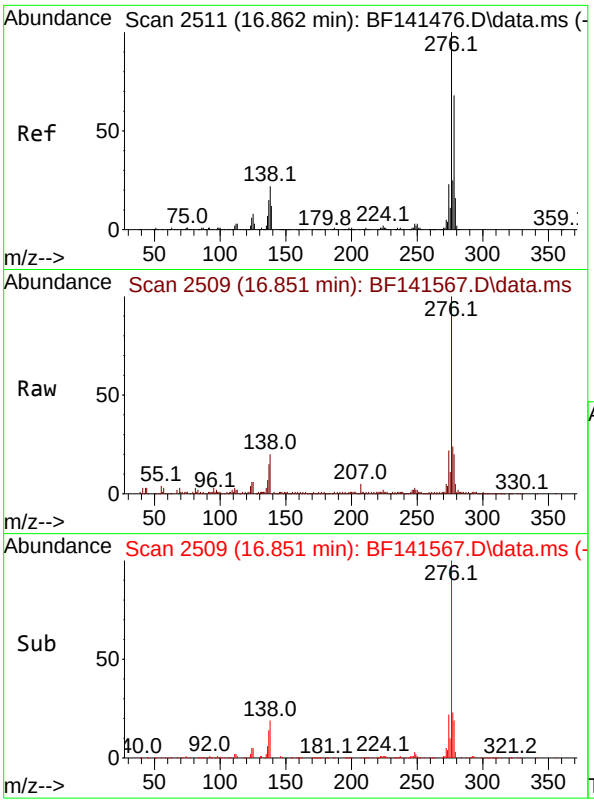


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:264 Resp: 227355

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.8	17.0	25.4



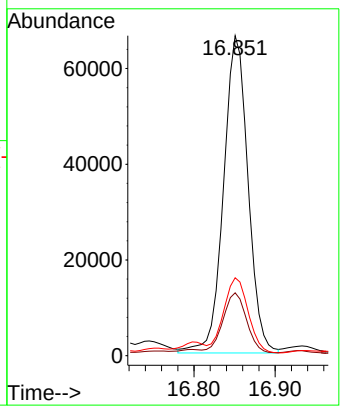


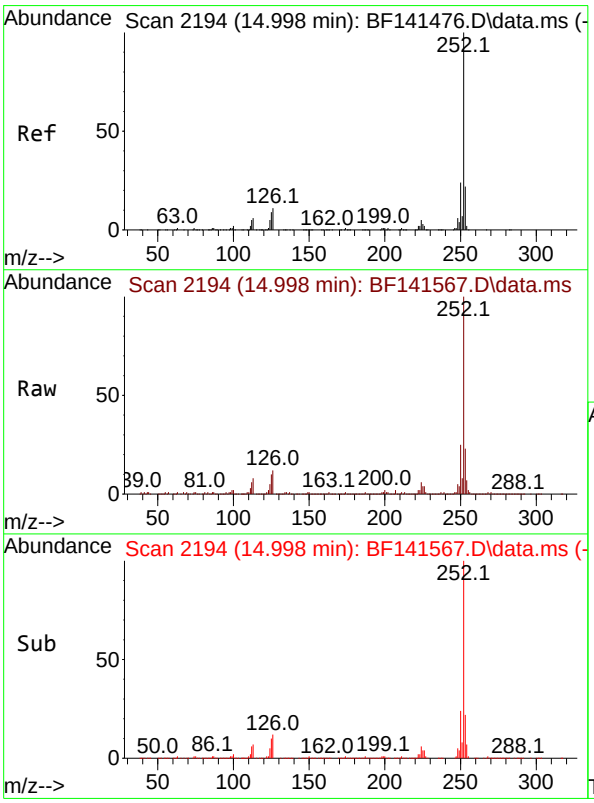
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.914 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:276 Resp: 139277

Ion	Ratio	Lower	Upper
276	100		
138	18.7	18.0	27.0
277	23.7	20.4	30.6

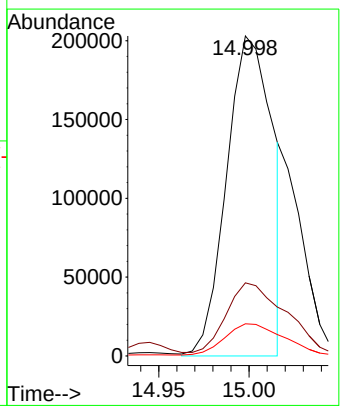


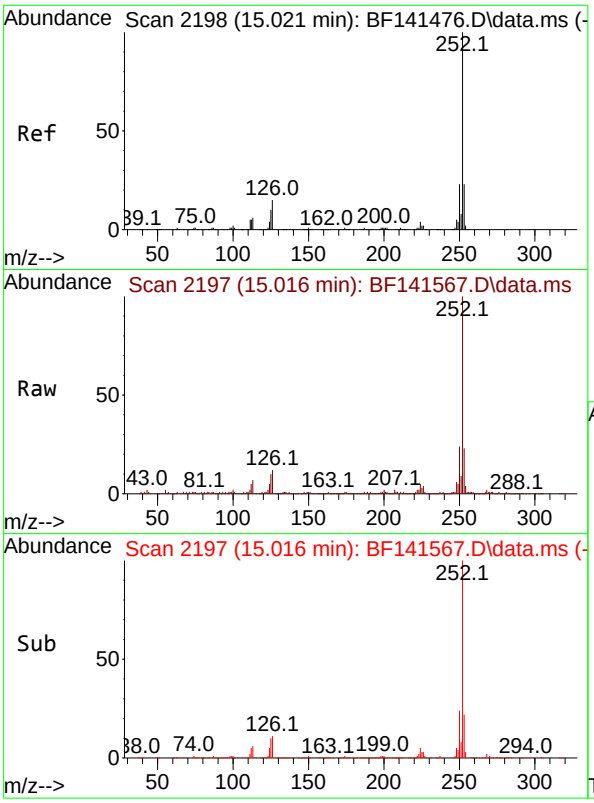


#88
Benzo(b)fluoranthene
Concen: 23.545 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:252 Resp: 359438

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.0	7.0	10.6



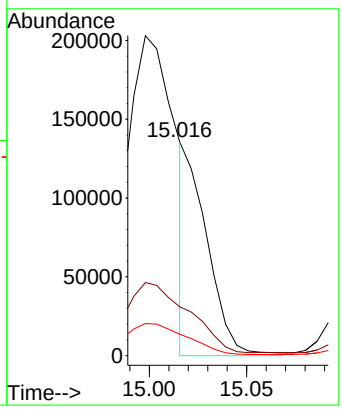


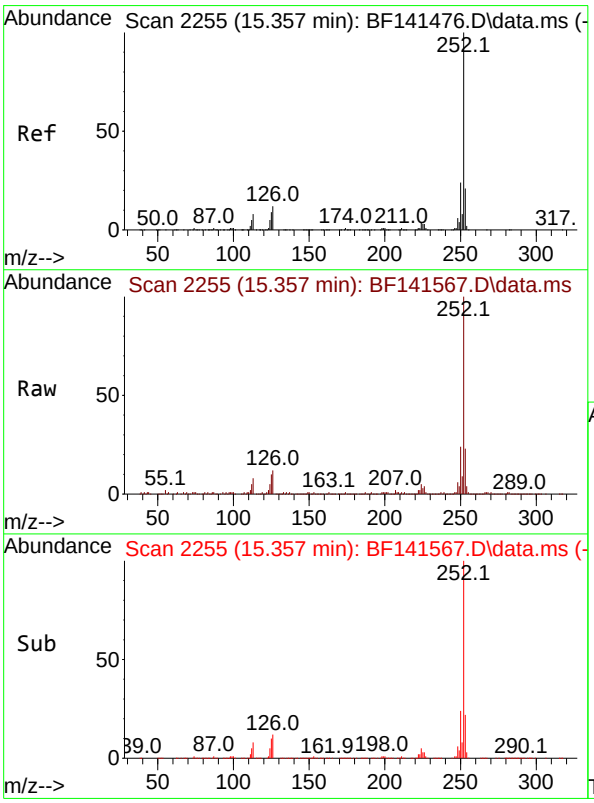
#89
Benzo(k)fluoranthene
Concen: 7.993 ng m
RT: 15.016 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:252 Resp: 104198

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.1	7.4	11.0

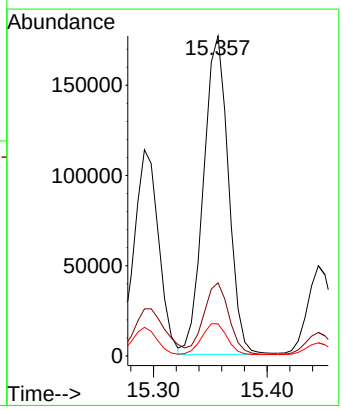


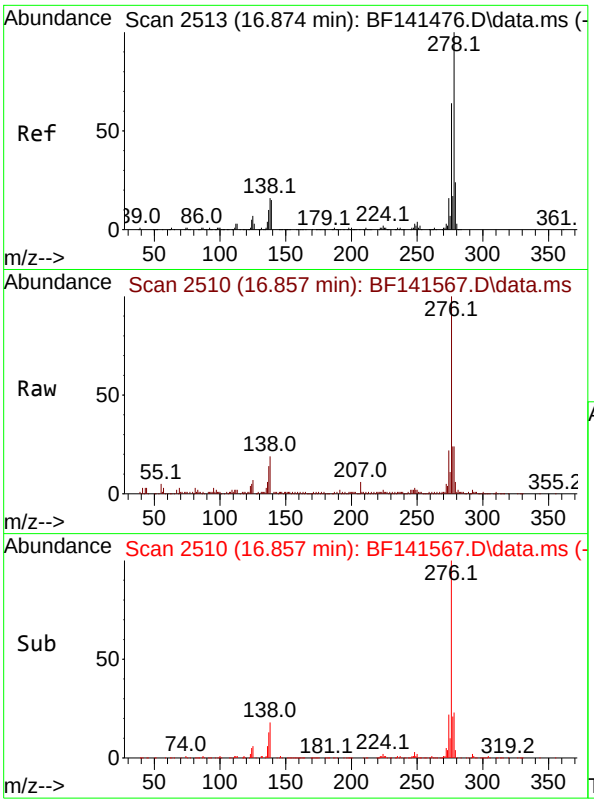


#90
Benzo(a)pyrene
Concen: 21.760 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:252 Resp: 268790

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	10.0	7.4	11.2



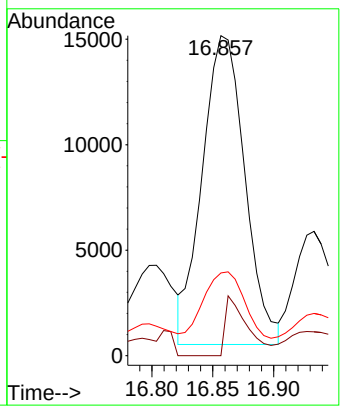


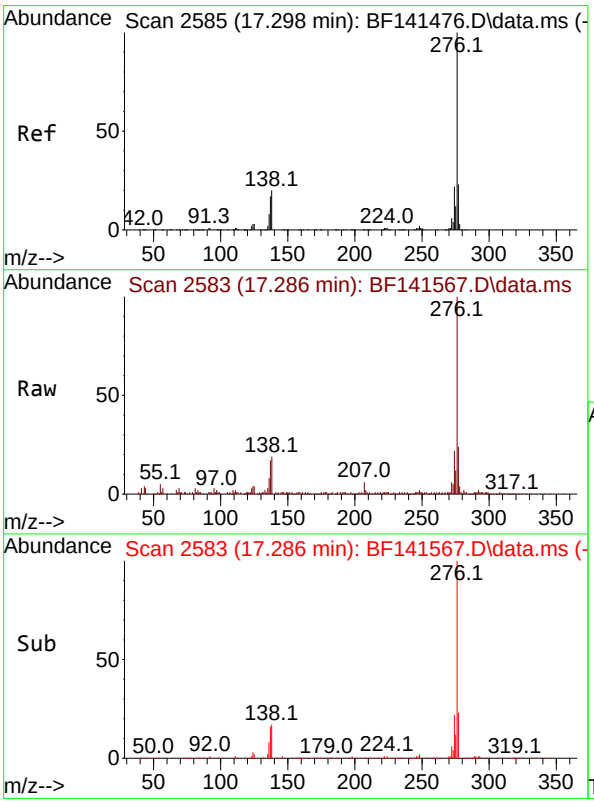
#91
Dibenzo(a,h)anthracene
Concen: 3.135 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:278 Resp: 35685

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.8	17.6#
279	25.8	19.1	28.7

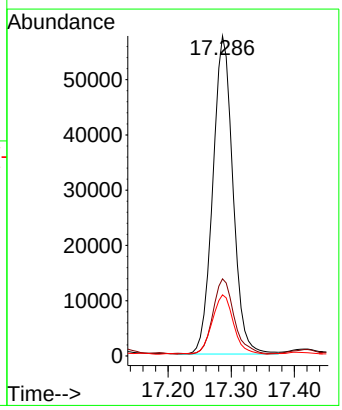




#92
Benzo(g,h,i)perylene
Concen: 10.684 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:276 Resp: 127266

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	19.1	15.9	23.9



Raw Data: **BF141466.D**

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-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.5
Sample Wt/Vol:	30.08 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
BF141466.D	2	01/29/25 08:40	02/05/25 23:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	780	U	430	780	ug/Kg
108-95-2	Phenol	400	U	200	400	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	400	U	200	400	ug/Kg
95-57-8	2-Chlorophenol	400	U	200	400	ug/Kg
95-48-7	2-Methylphenol	400	U	190	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	400	U	210	400	ug/Kg
98-86-2	Acetophenone	400	U	210	400	ug/Kg
65794-96-9	3+4-Methylphenols	780	U	190	780	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	190	U	95.1	190	ug/Kg
67-72-1	Hexachloroethane	400	U	200	400	ug/Kg
98-95-3	Nitrobenzene	400	U	210	400	ug/Kg
78-59-1	Isophorone	400	U	200	400	ug/Kg
88-75-5	2-Nitrophenol	400	U	220	400	ug/Kg
105-67-9	2,4-Dimethylphenol	400	U	220	400	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	400	U	200	400	ug/Kg
120-83-2	2,4-Dichlorophenol	400	U	180	400	ug/Kg
91-20-3	Naphthalene	400	U	190	400	ug/Kg
106-47-8	4-Chloroaniline	400	U	190	400	ug/Kg
87-68-3	Hexachlorobutadiene	400	U	200	400	ug/Kg
105-60-2	Caprolactam	780	U	200	780	ug/Kg
59-50-7	4-Chloro-3-methylphenol	400	U	180	400	ug/Kg
91-57-6	2-Methylnaphthalene	400	U	190	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	780	UQ	370	780	ug/Kg
88-06-2	2,4,6-Trichlorophenol	400	U	170	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	400	U	170	400	ug/Kg
92-52-4	1,1-Biphenyl	400	U	210	400	ug/Kg
91-58-7	2-Chloronaphthalene	400	U	200	400	ug/Kg
88-74-4	2-Nitroaniline	400	U	220	400	ug/Kg
131-11-3	Dimethylphthalate	400	U	190	400	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-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.5
Sample Wt/Vol:	30.08 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
BF141466.D	2	01/29/25 08:40	02/05/25 23:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	400	U	200	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	400	U	200	400	ug/Kg
99-09-2	3-Nitroaniline	400	U	210	400	ug/Kg
83-32-9	Acenaphthene	400	U	190	400	ug/Kg
51-28-5	2,4-Dinitrophenol	780	U	570	780	ug/Kg
100-02-7	4-Nitrophenol	780	U	270	780	ug/Kg
132-64-9	Dibenzofuran	400	U	200	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	400	U	200	400	ug/Kg
84-66-2	Diethylphthalate	400	U	190	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	400	U	200	400	ug/Kg
86-73-7	Fluorene	400	U	200	400	ug/Kg
100-01-6	4-Nitroaniline	400	U	250	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	780	U	280	780	ug/Kg
86-30-6	n-Nitrosodiphenylamine	400	U	190	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	400	U	190	400	ug/Kg
118-74-1	Hexachlorobenzene	400	U	200	400	ug/Kg
1912-24-9	Atrazine	400	U	220	400	ug/Kg
87-86-5	Pentachlorophenol	780	U	180	780	ug/Kg
85-01-8	Phenanthrene	700		200	400	ug/Kg
120-12-7	Anthracene	400	U	200	400	ug/Kg
86-74-8	Carbazole	400	U	190	400	ug/Kg
84-74-2	Di-n-butylphthalate	400	U	200	400	ug/Kg
206-44-0	Fluoranthene	1700		190	400	ug/Kg
129-00-0	Pyrene	1400		200	400	ug/Kg
85-68-7	Butylbenzylphthalate	400	U	230	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780	U	230	780	ug/Kg
56-55-3	Benzo(a)anthracene	730		190	400	ug/Kg
218-01-9	Chrysene	680		190	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	400	U	210	400	ug/Kg
117-84-0	Di-n-octyl phthalate	780	U	260	780	ug/Kg
205-99-2	Benzo(b)fluoranthene	900		190	400	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-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.5
Sample Wt/Vol:	30.08 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
BF141466.D	2	01/29/25 08:40	02/05/25 23:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	410		190	400	ug/Kg
50-32-8	Benzo(a)pyrene	820		220	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	360	J	180	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	400	U	190	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	420		190	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	200	400	ug/Kg
123-91-1	1,4-Dioxane	400	U	260	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	400	U	180	400	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	51.0		18 - 112	34%	SPK: 150
13127-88-3	Phenol-d6	46.4		15 - 107	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	36.7		18 - 107	37%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.1		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	51.1		10 - 116	34%	SPK: 150
1718-51-0	Terphenyl-d14	31.5		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60500	6.792			
1146-65-2	Naphthalene-d8	216000	8.075			
15067-26-2	Acenaphthene-d10	104000	9.828			
1517-22-2	Phenanthrene-d10	181000	11.316			
1719-03-5	Chrysene-d12	126000	13.957			
1520-96-3	Perylene-d12	92200	15.415			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	260	J		10.5	ug/Kg
000613-12-7	Anthracene, 2-methyl-	220	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	300	J		11.9	ug/Kg

Raw Data: **BF141466.D**

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-16.3-012725	SDG No.:	Q1206
Lab Sample ID:	Q1206-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.5
Sample Wt/Vol:	30.08 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
BF141466.D	2	01/29/25 08:40	02/05/25 23:41	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

Sample Results: **BF141466.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations APPROVED

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

Quant Time: Feb 06 01:51:31 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	60479	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	215731	20.000	ng		#-0.01
39) Acenaphthene-d10	9.828	164	104225	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	180536	20.000	ng		-0.01
76) Chrysene-d12	13.957	240	126264	20.000	ng		#-0.02
86) Perylene-d12	15.415	264	92226	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	100439	25.495	ng		0.00
7) Phenol-d6	6.428	99	116360	23.218	ng		-0.01
23) Nitrobenzene-d5	7.351	82	75045	18.338	ng		-0.02
42) 2,4,6-Tribromophenol	10.616	330	24431	25.569	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	122157	18.040	ng		-0.02
79) Terphenyl-d14	12.898	244	129031	15.760	ng		-0.02
Target Compounds							Qvalue
71) Phenanthrene	11.339	178	86722	8.936	ng		99
72) Anthracene	11.392	178	22746	2.392	ng		97
75) Fluoranthene	12.527	202	205518	21.448	ng		97
78) Pyrene	12.757	202	211806	17.476	ng		98
81) Benzo(a)anthracene	13.945	228	80672	9.259	ng		96
83) Chrysene	13.980	228	69248	8.672	ng		97
87) Indeno(1,2,3-cd)pyrene	16.856	276	27139	4.559	ng	#	91
88) Benzo(b)fluoranthene	14.998	252	66696m	11.497	ng		
89) Benzo(k)fluoranthene	15.010	252	26666m	5.189	ng		
90) Benzo(a)pyrene	15.357	252	51379	10.481	ng	#	91
92) Benzo(g,h,i)perylene	17.292	276	26633	5.348	ng		97

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

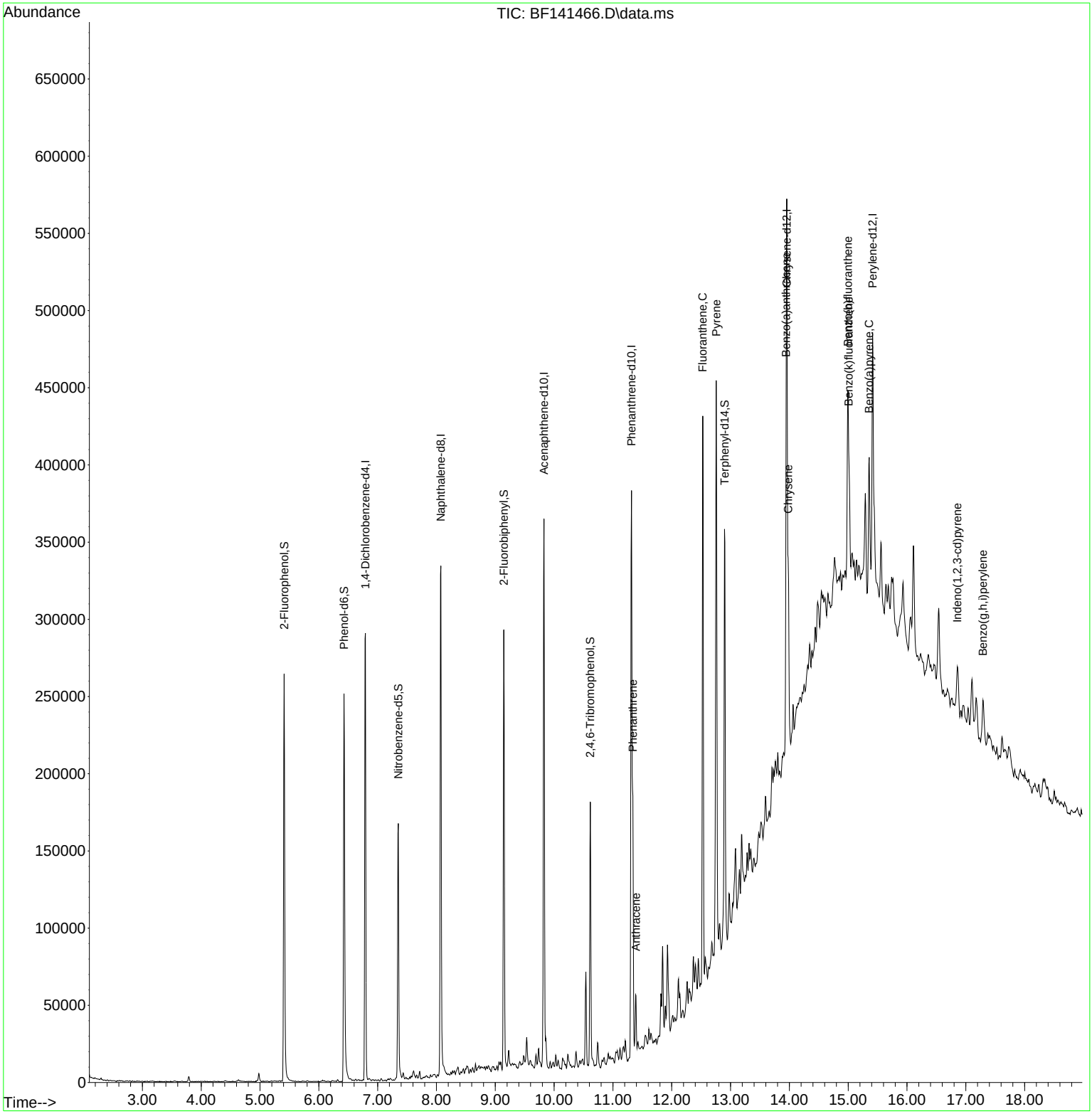
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

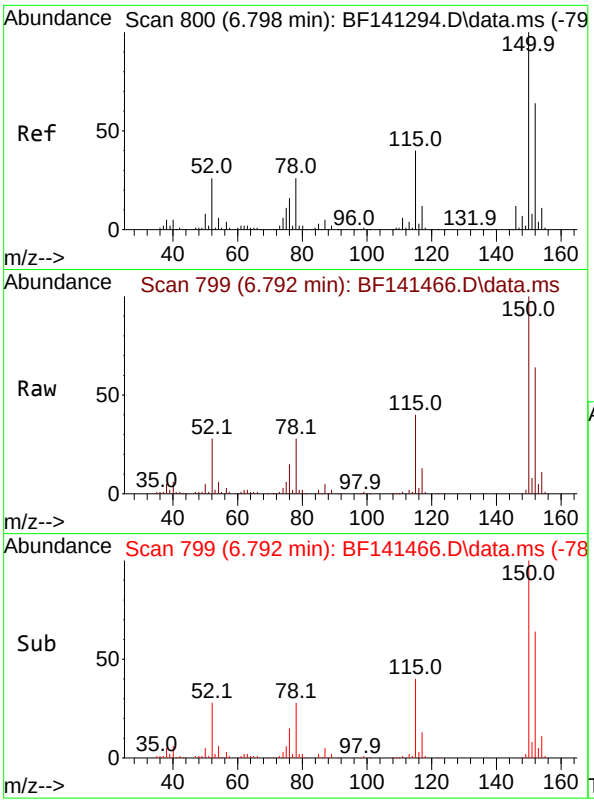
Quant Time: Feb 06 01:51:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations APPROVED

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

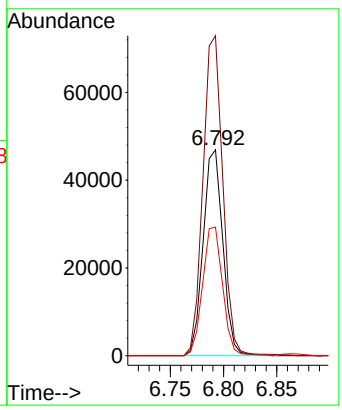




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:152 Resp: 6047

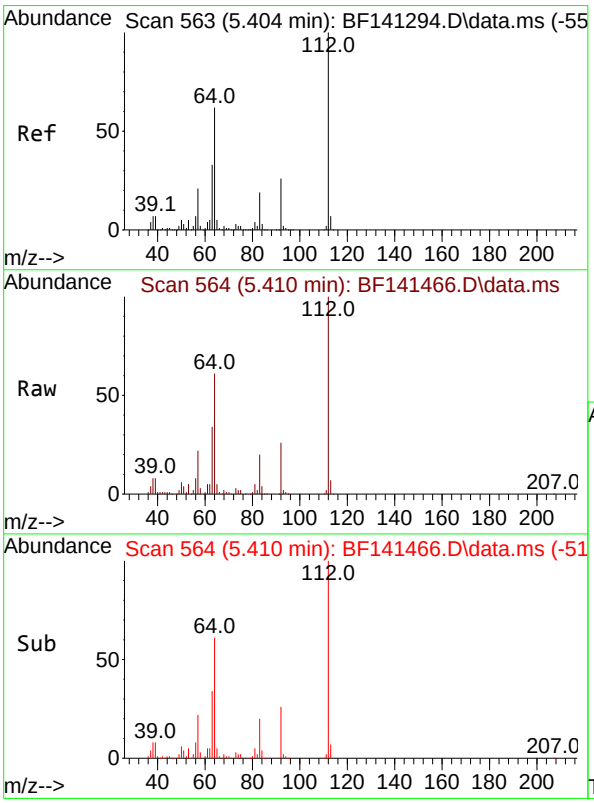
Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.9	188.9
115	62.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

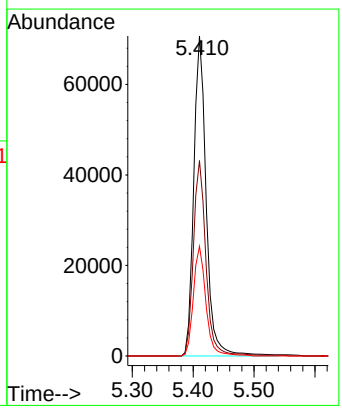
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

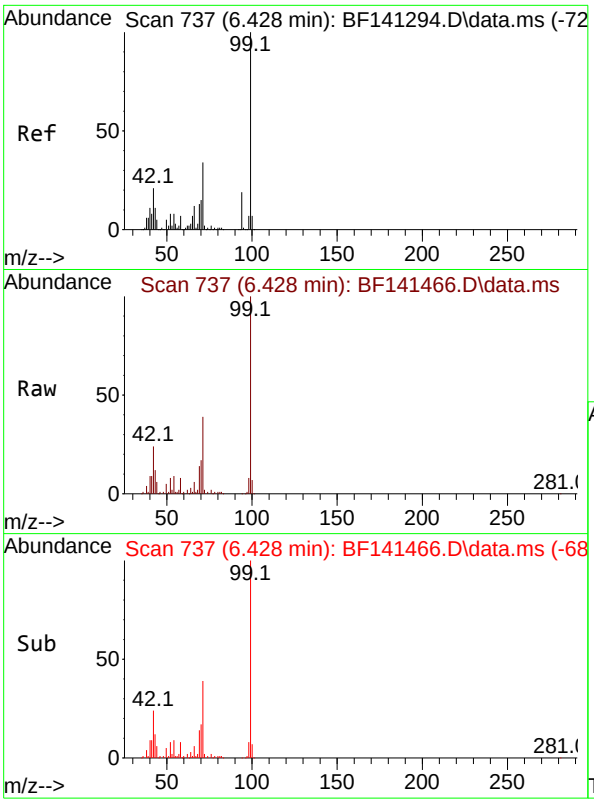


#5
2-Fluorophenol
Concen: 25.495 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:112 Resp: 100439

Ion	Ratio	Lower	Upper
112	100		
64	61.0	49.8	74.8
63	34.3	26.1	39.1

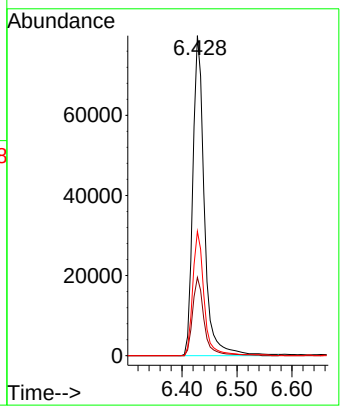




#7
Phenol-d6
Concen: 23.218 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion: 99 Resp: 11636

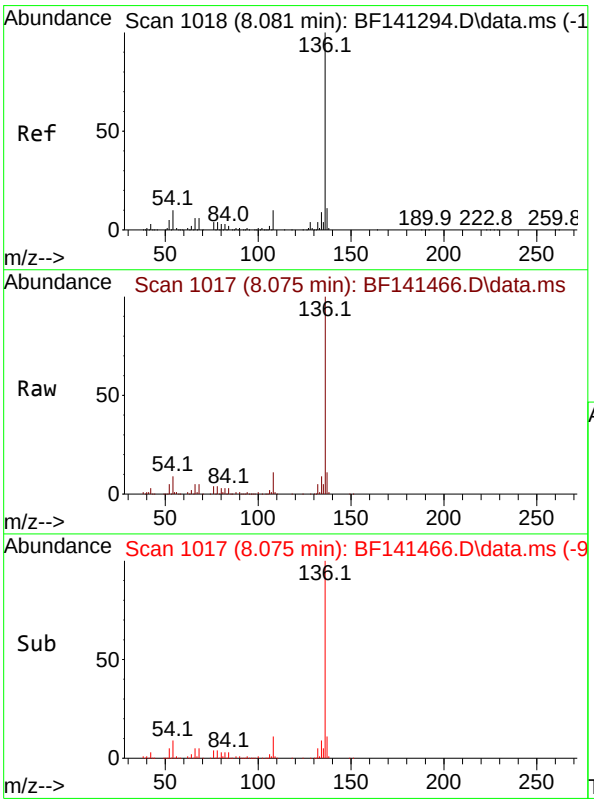
Ion	Ratio	Lower	Upper
99	100		
42	24.5	17.1	25.7
71	38.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

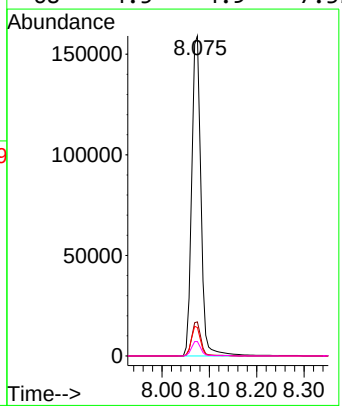
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

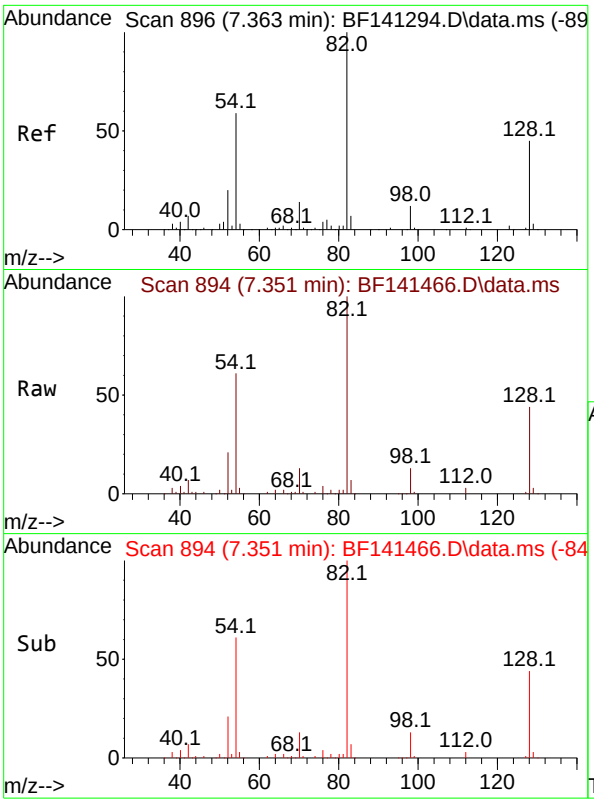


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:136 Resp: 215731

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.9	7.8	11.8
68	4.5	4.9	7.3#

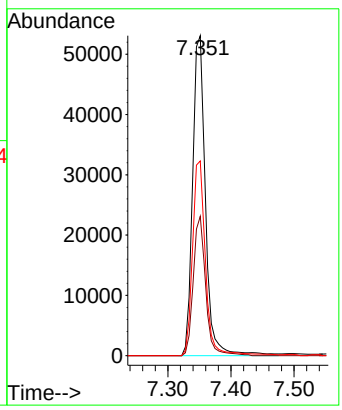




#23
Nitrobenzene-d5
Concen: 18.338 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion: 82 Resp: 7504

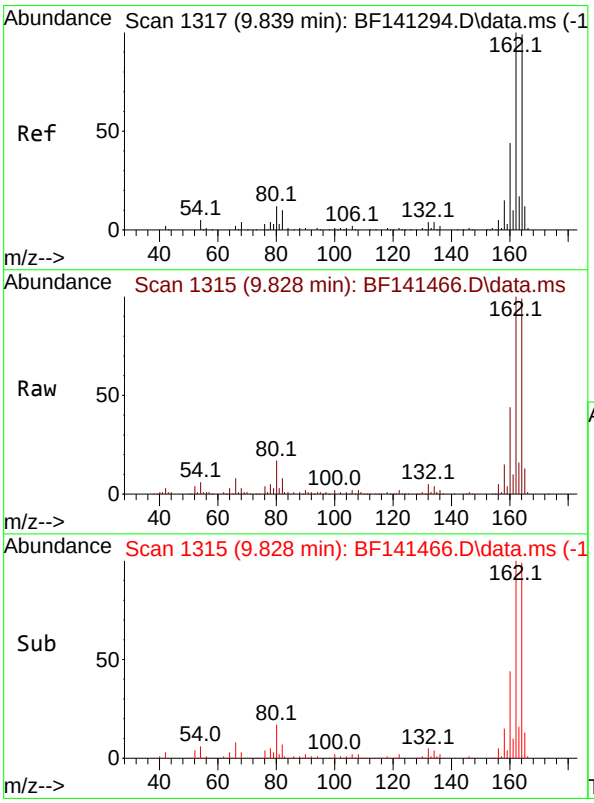
Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	60.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

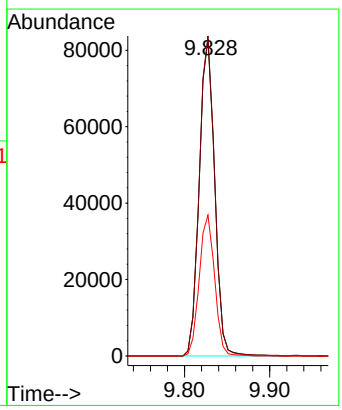
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

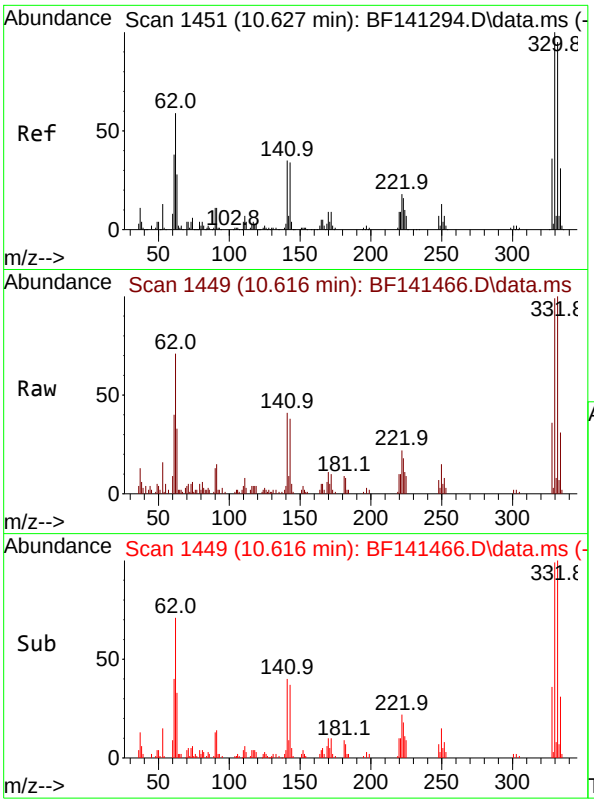


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:164 Resp: 104225

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	44.4	35.8	53.6

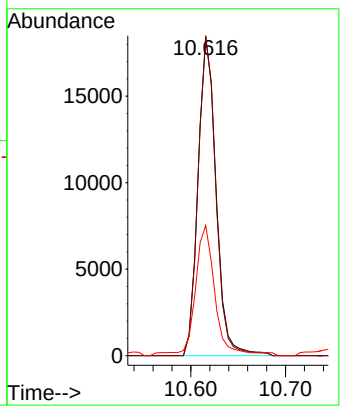




#42
2,4,6-Tribromophenol
Concen: 25.569 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:330 Resp: 2443

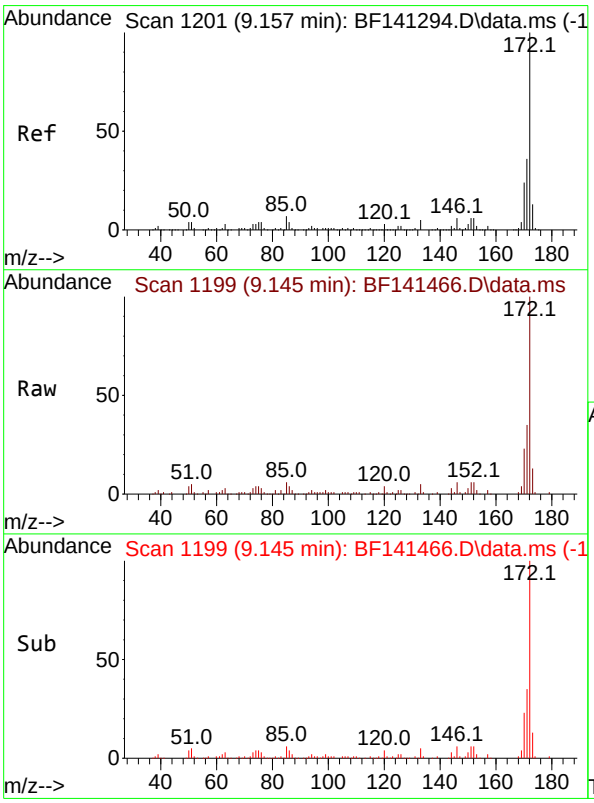
Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.1	114.1
141	44.0	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

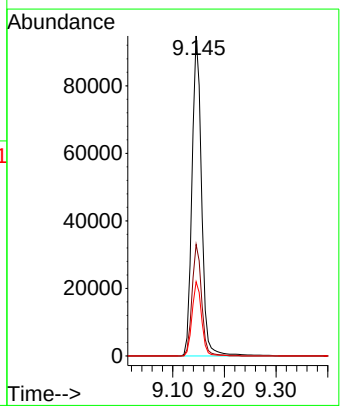
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

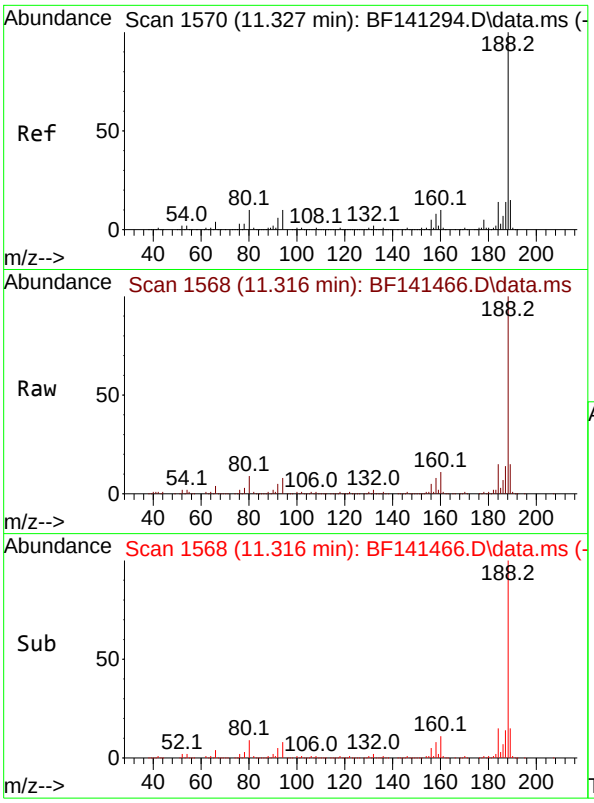


#45
2-Fluorobiphenyl
Concen: 18.040 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:172 Resp: 122157

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.8	43.2
170	23.2	19.0	28.6

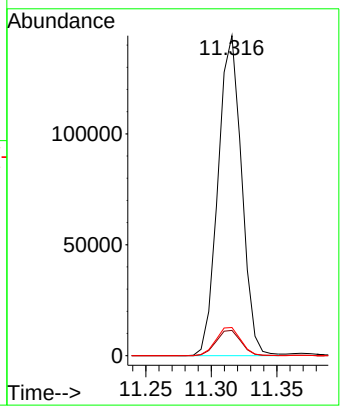




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:188 Resp: 18053

Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.8	11.6
80	8.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

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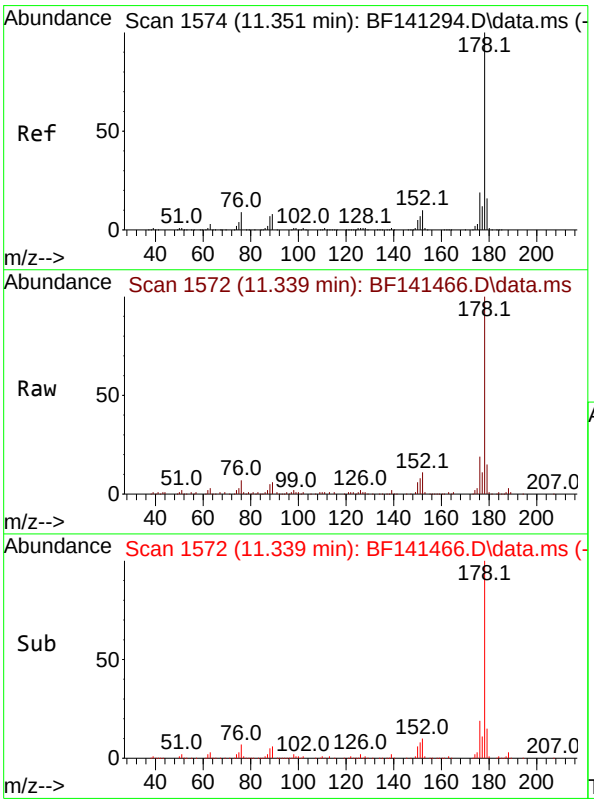
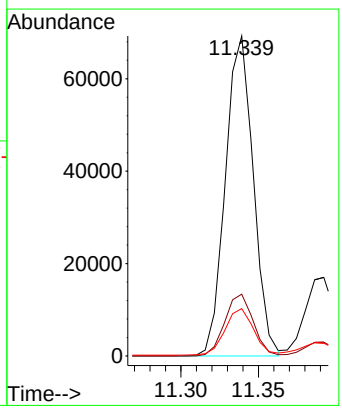
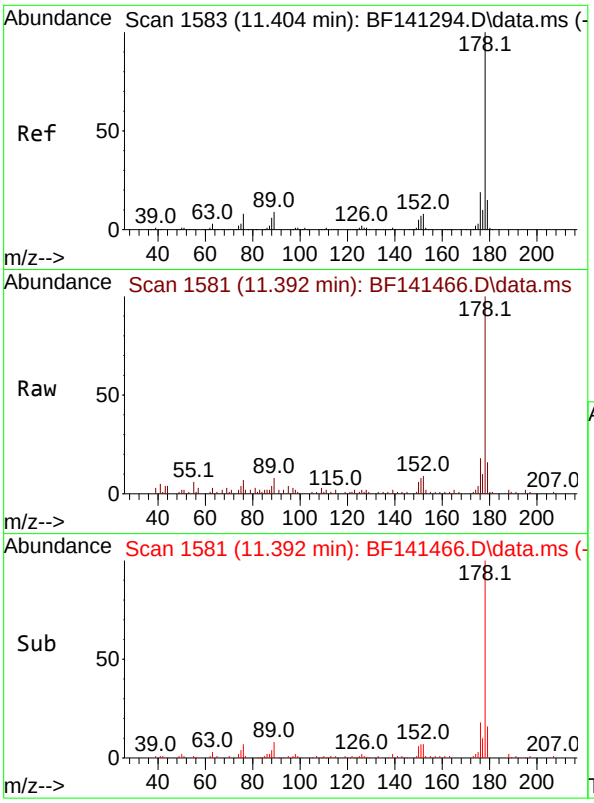


#71
Phenanthrene
Concen: 8.936 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:178 Resp: 86722

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	14.8	12.5	18.7





#72
Anthracene
Concen: 2.392 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

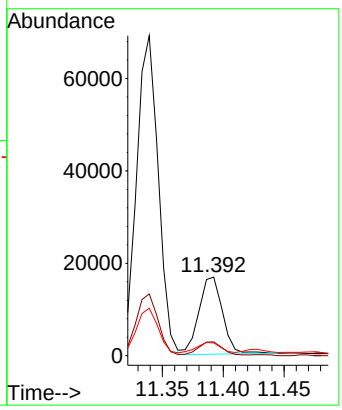
Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

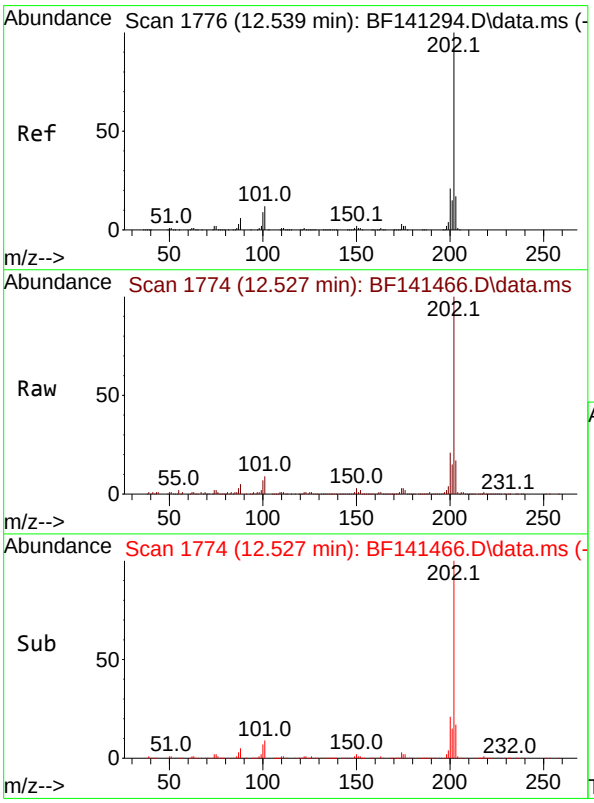
Tgt Ion:178 Resp: 2274

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.0	22.6
179	16.3	12.3	18.5

Manual Integrations
APPROVED

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

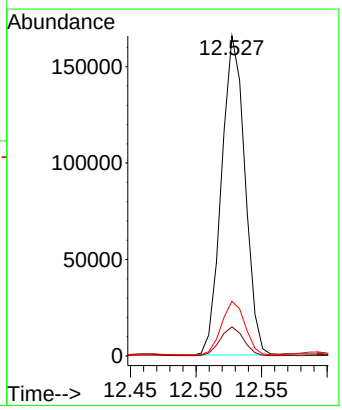


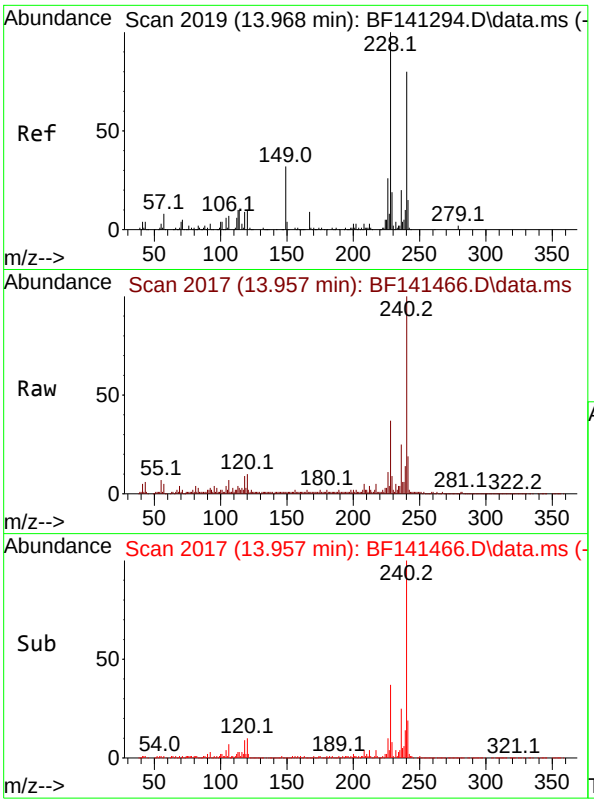


#75
Fluoranthene
Concen: 21.448 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:202 Resp: 205518

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.7
203	17.1	0.0	37.5

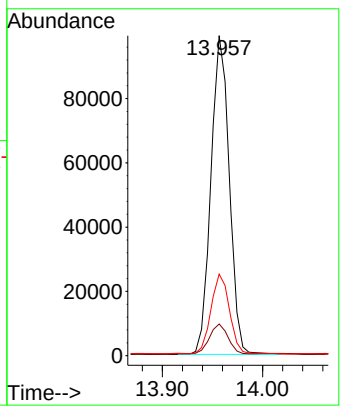




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:240 Resp: 12626

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.0	15.0
236	25.5	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
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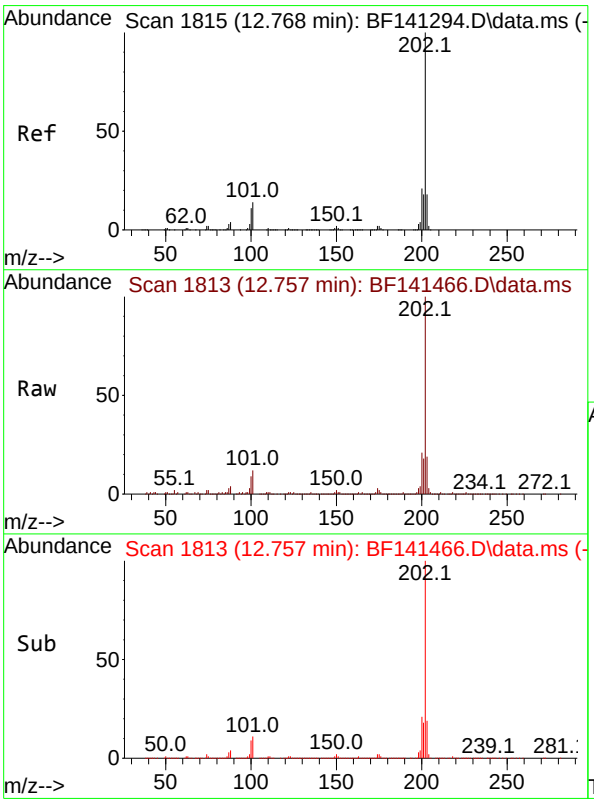
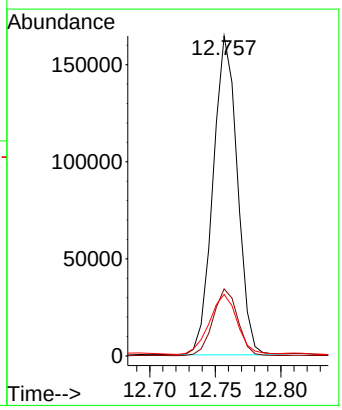
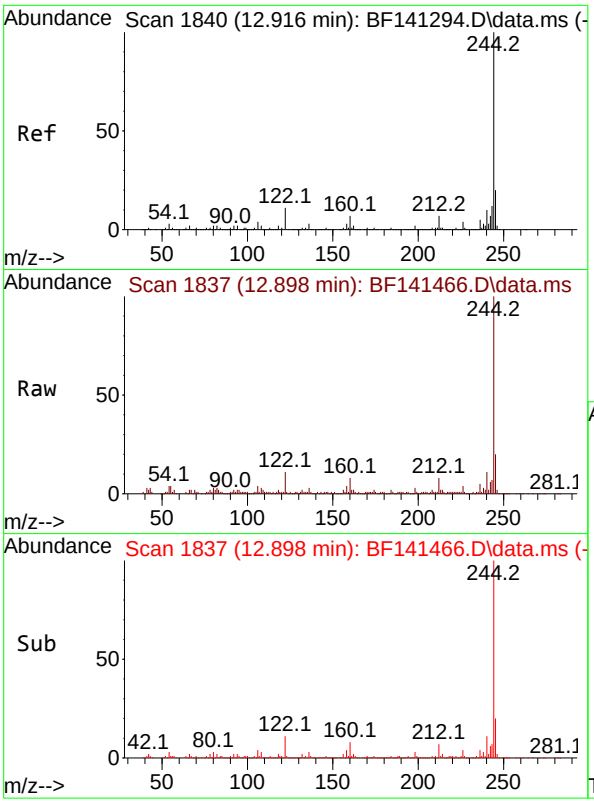


#78
Pyrene
Concen: 17.476 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:202 Resp: 211806

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	19.2	14.3	21.5

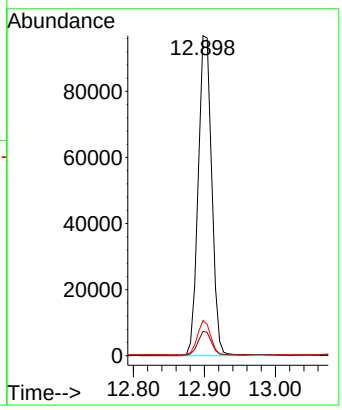




#79
Terphenyl-d14
Concen: 15.760 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:244 Resp: 12903

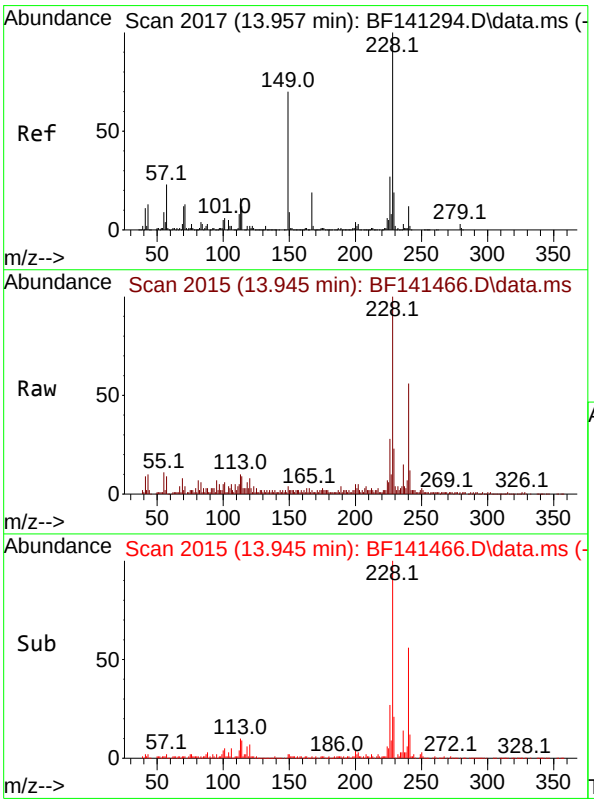
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

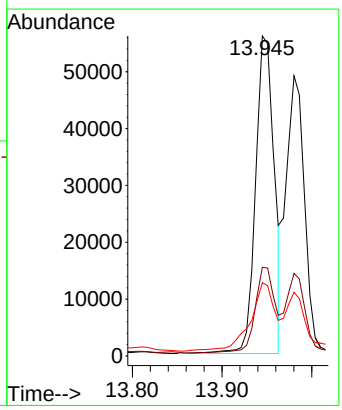
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

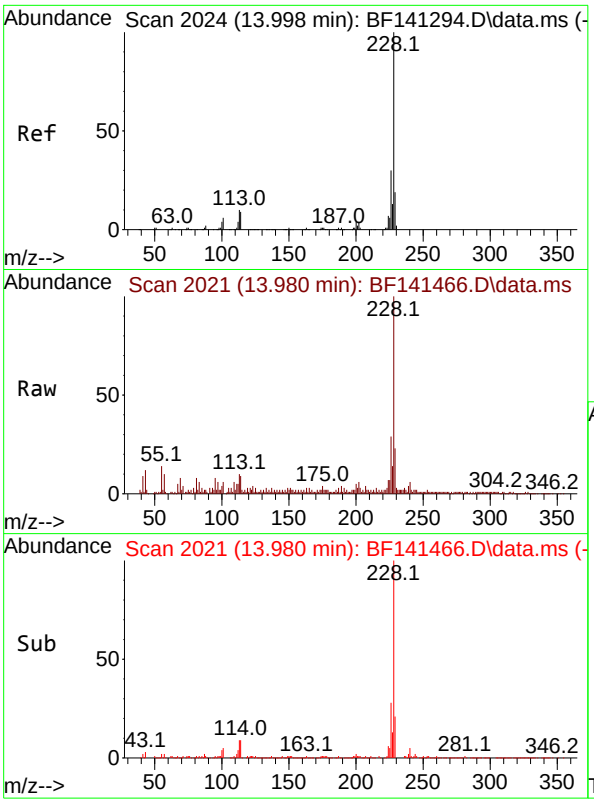


#81
Benzo(a)anthracene
Concen: 9.259 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:228 Resp: 80672

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.4	32.2
229	22.9	15.5	23.3

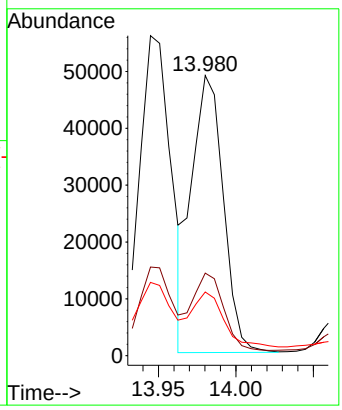




#83
Chrysene
Concen: 8.672 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:228 Resp: 6924

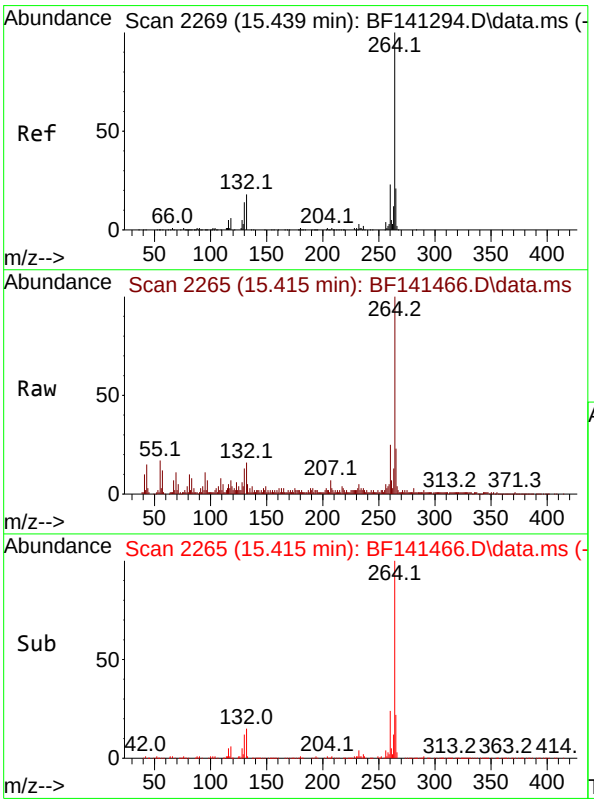
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	22.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

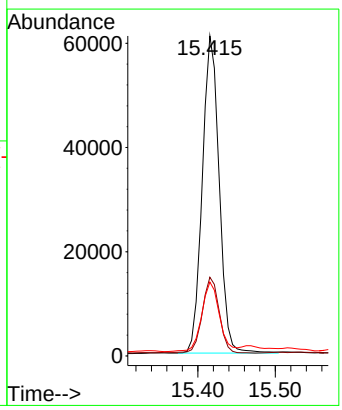
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

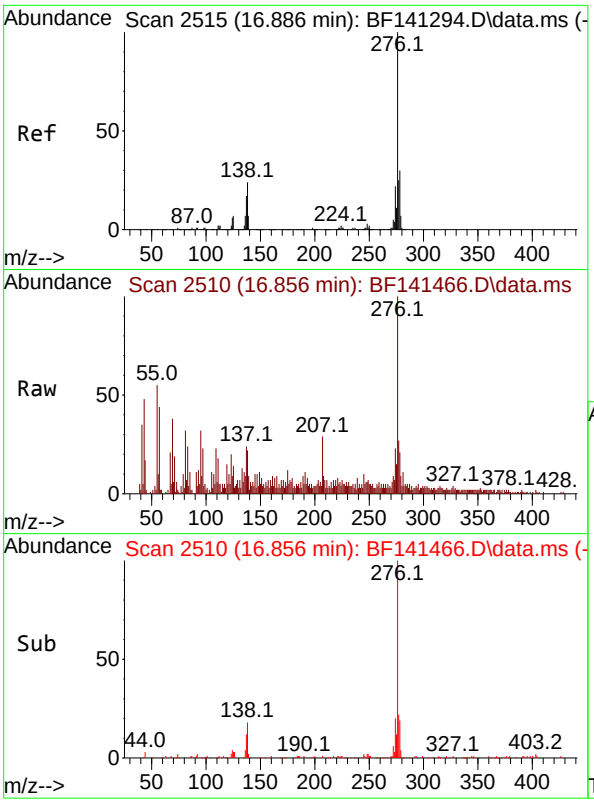


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:264 Resp: 92226

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	23.1	16.7	25.1

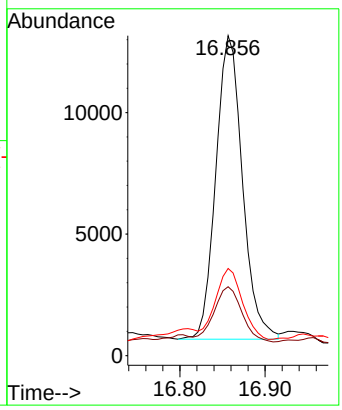




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.559 ng
RT: 16.856 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:276 Resp: 2713

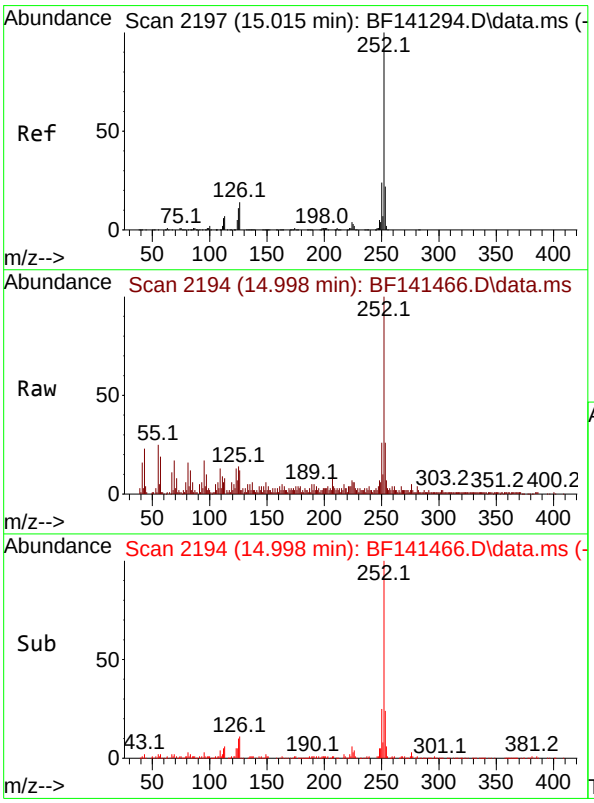
Ion	Ratio	Lower	Upper
276	100		
138	19.2	21.7	32.5#
277	24.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

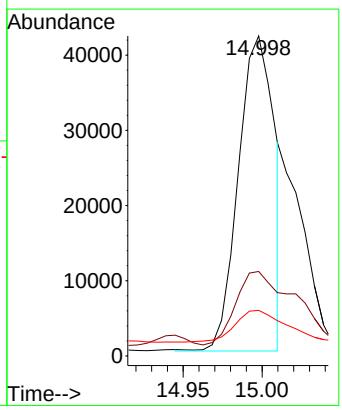
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

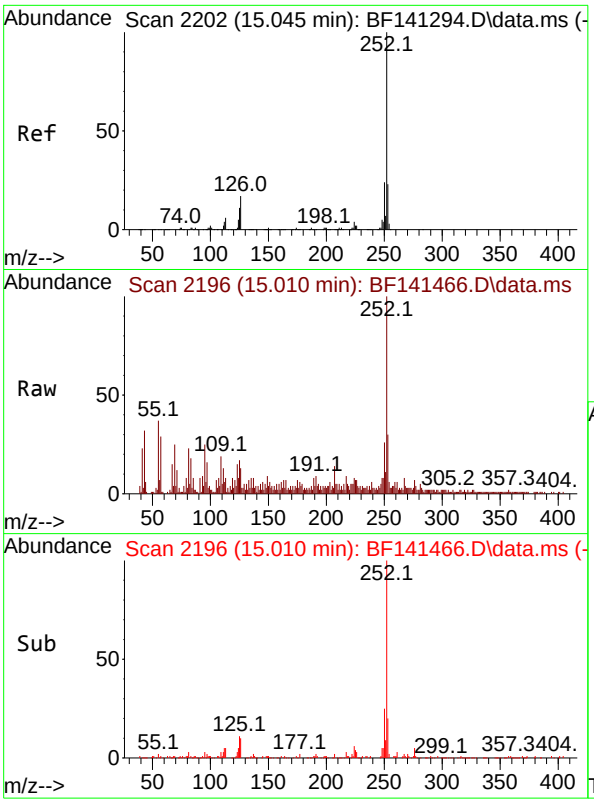


#88
Benzo(b)fluoranthene
Concen: 11.497 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:252 Resp: 66696

Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.4	26.2#
125	14.3	8.6	12.8#

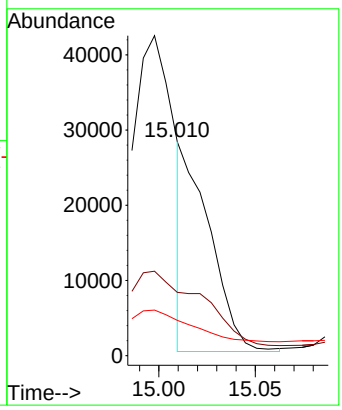




#89
Benzo(k)fluoranthene
Concen: 5.189 ng m
RT: 15.010 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:252 Resp: 2666

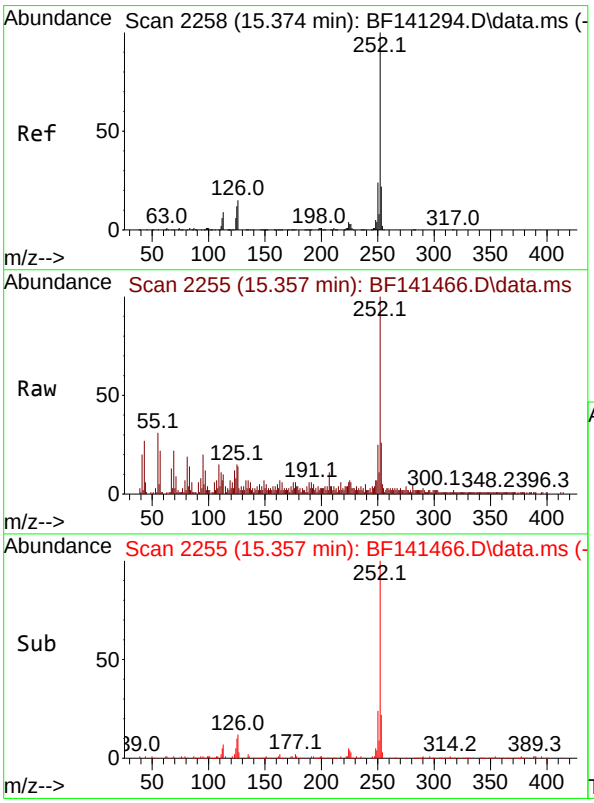
Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.6	26.4#
125	16.6	8.4	12.6#



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

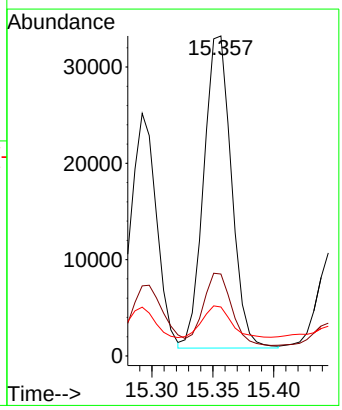
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

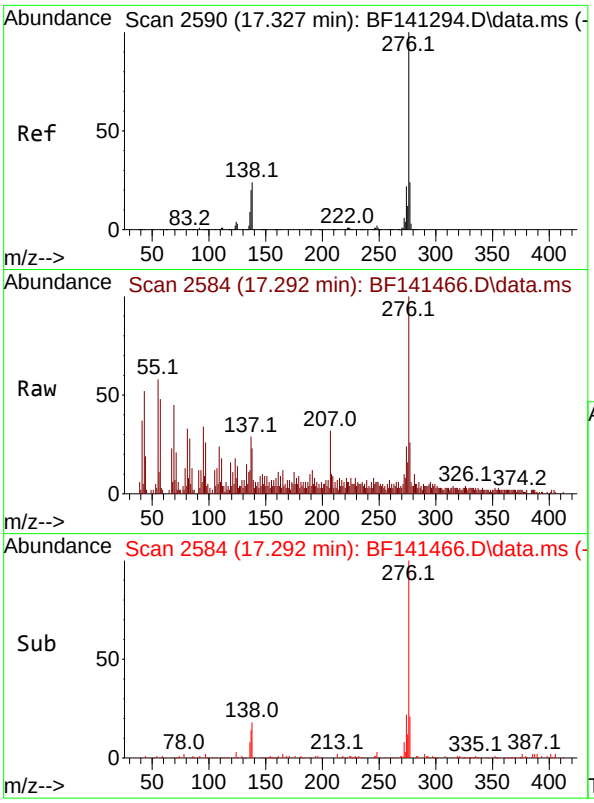


#90
Benzo(a)pyrene
Concen: 10.481 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:252 Resp: 51379

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	15.3	9.4	14.2#

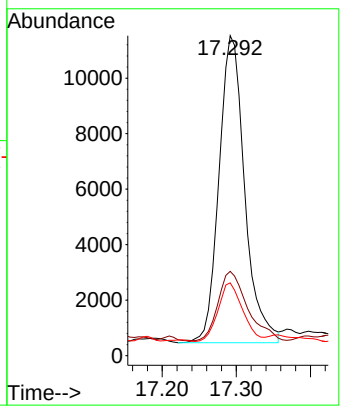




#92
Benzo(g,h,i)perylene
Concen: 5.348 ng
RT: 17.292 min Scan# 2
Delta R.T. -0.053 min
Lab File: BF141466.D
Acq: 05 Feb 2025 23:41

Tgt Ion:276 Resp: 2663

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

Manual Integrations
APPROVED

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

Sample Results: **BF141466.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

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: BF141466.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	500	rVB	5140	7921	1.15%	0.116%
2	5.410	559	564	582	rBV	263814	371697	53.89%	5.427%
3	6.428	732	737	754	rBV	251284	370793	53.76%	5.414%
4	6.792	794	799	806	rBV	289404	375170	54.39%	5.478%
5	7.351	888	894	904	rBV	164895	226383	32.82%	3.305%
6	7.610	933	938	944	rVB3	4309	8194	1.19%	0.120%
7	8.075	1010	1017	1037	rBV	330424	471365	68.34%	6.882%
8	8.363	1059	1066	1072	rVB7	4874	10793	1.56%	0.158%
9	8.886	1152	1155	1162	rVB5	3921	7462	1.08%	0.109%
10	9.063	1182	1185	1188	rBV4	5235	7927	1.15%	0.116%
11	9.145	1194	1199	1208	rBV	285125	363814	52.75%	5.312%
12	9.228	1208	1213	1217	rBV3	10442	14862	2.15%	0.217%
13	9.416	1240	1245	1249	rBV3	4220	8438	1.22%	0.123%
14	9.480	1253	1256	1260	rVV2	6897	10753	1.56%	0.157%
15	9.533	1261	1265	1271	rVB2	17928	27373	3.97%	0.400%
16	9.692	1288	1292	1295	rBV6	8671	12614	1.83%	0.184%
17	9.739	1296	1300	1308	rVB6	11844	19786	2.87%	0.289%
18	9.828	1308	1315	1319	rBV	354802	458934	66.54%	6.701%
19	10.028	1346	1349	1353	rBV	7376	9333	1.35%	0.136%
20	10.069	1353	1356	1361	rVB4	5359	7941	1.15%	0.116%
21	10.145	1366	1369	1372	rBV3	7118	11604	1.68%	0.169%
22	10.233	1380	1384	1391	rBV5	8904	17514	2.54%	0.256%
23	10.375	1404	1408	1414	rVB2	9935	14883	2.16%	0.217%
24	10.539	1431	1436	1441	rVV	60498	75487	10.94%	1.102%
25	10.616	1444	1449	1461	rVB	170988	228709	33.16%	3.339%
26	10.739	1466	1470	1479	rVB3	16332	27833	4.04%	0.406%
27	11.051	1519	1523	1525	rBV5	7129	11120	1.61%	0.162%
28	11.122	1531	1535	1539	rVV2	7231	9167	1.33%	0.134%
29	11.180	1539	1545	1547	rVV6	8782	17625	2.56%	0.257%
30	11.210	1548	1550	1558	rVB	13217	18218	2.64%	0.266%
31	11.316	1563	1568	1571	rBV	367392	549796	79.71%	8.027%
32	11.386	1576	1580	1584	rVB	34649	46064	6.68%	0.673%
33	11.551	1604	1608	1614	rBV5	7604	17342	2.51%	0.253%
34	11.610	1615	1618	1621	rBV	9511	11649	1.69%	0.170%
35	11.816	1649	1653	1655	rBV	27698	35760	5.18%	0.522%
36	11.845	1655	1658	1663	rVV	57342	77904	11.29%	1.137%

Sample Results: **BF141466.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

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	11.892	1663	1666	1668	rVV	17901	23602	3.42%	0.345%
38	11.927	1668	1672	1680	rVB	56121	104168	15.10%	1.521%
39	12.116	1700	1704	1706	rBV	22793	30855	4.47%	0.450%
40	12.298	1732	1735	1736	rBV	9672	10966	1.59%	0.160%
41	12.369	1744	1747	1750	rBV	22972	29169	4.23%	0.426%
42	12.451	1758	1761	1766	rBV	19743	26709	3.87%	0.390%
43	12.527	1769	1774	1779	rBV	368178	460043	66.70%	6.717%
44	12.757	1807	1813	1820	rBV	371975	547358	79.36%	7.992%
45	12.898	1833	1837	1845	rVB	265917	377836	54.78%	5.517%
46	13.186	1884	1886	1894	rBV2	30776	45499	6.60%	0.664%
47	13.957	2012	2017	2028	rVB2	353117	689746	100.00%	10.070%
48	14.998	2190	2194	2202	rVB	114164	238399	34.56%	3.481%
49	15.415	2262	2265	2277	rVB2	162420	302615	43.87%	4.418%

Sum of corrected areas: 6849193

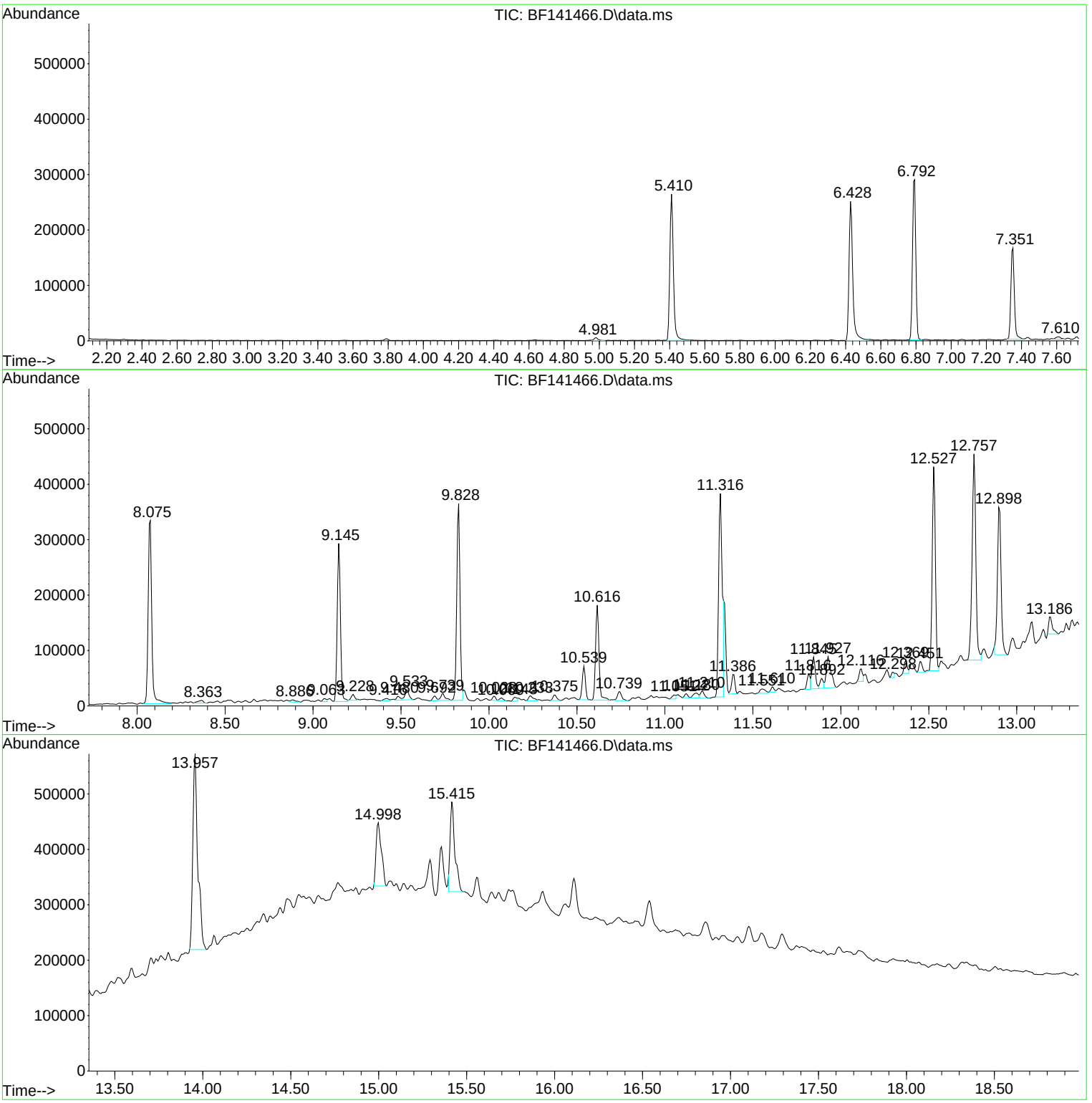
Sample Results: **BF141466.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

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 : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

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

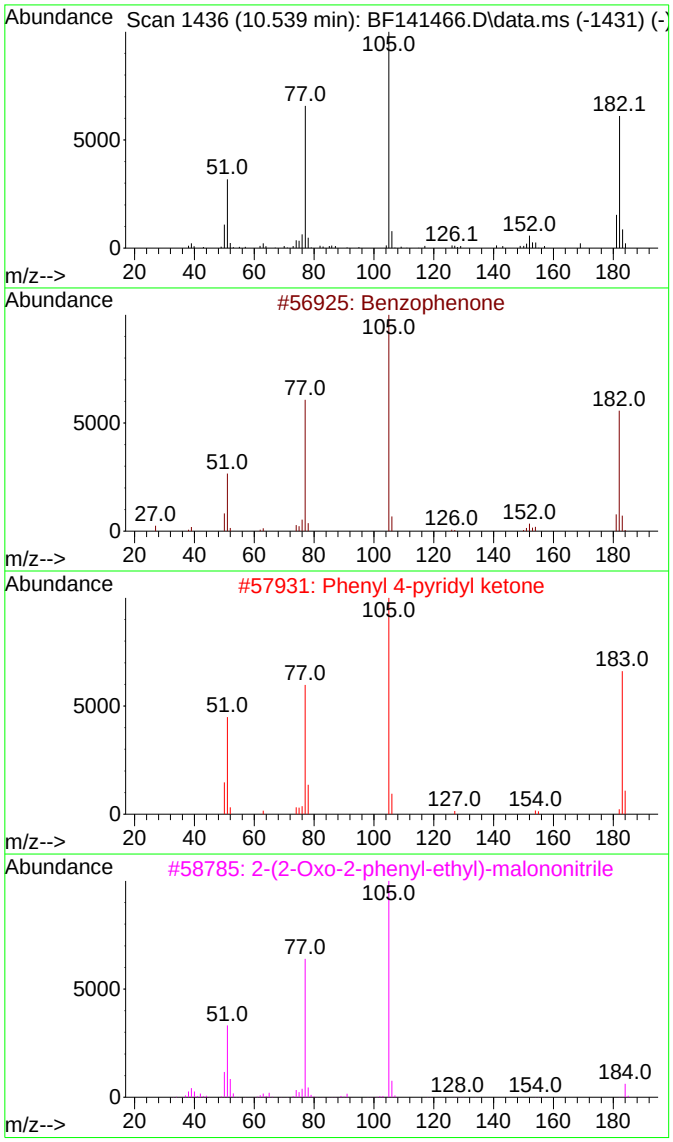
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

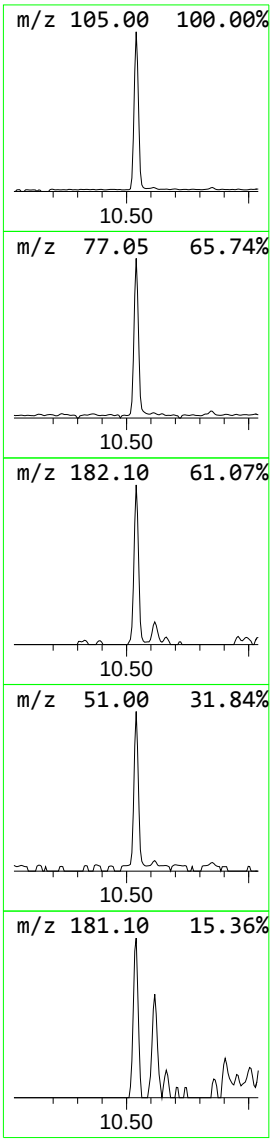
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	3.29 ng	75487	Acenaphthene-d10	9.828

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	53
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
4	Ethyl 2-benzoyl-4-cyanobutanoate	245	C14H15NO3	1000486-83-9	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

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

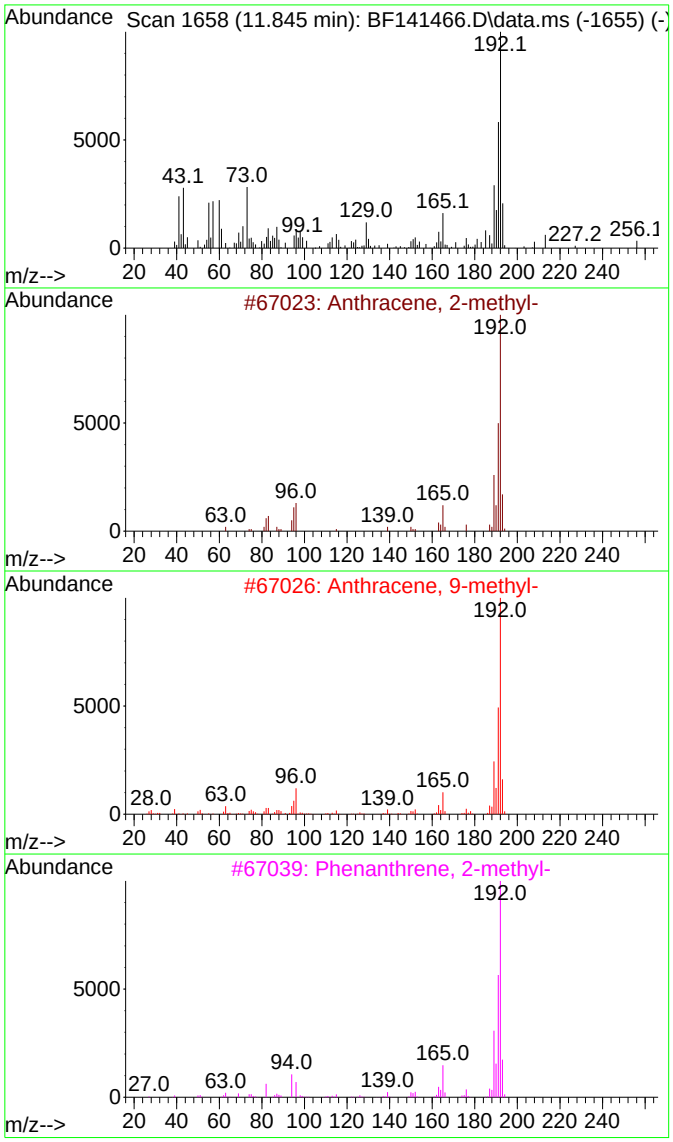
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

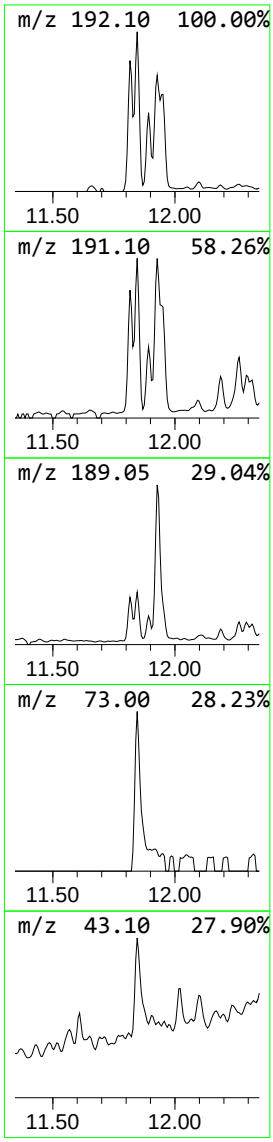
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	2.83 ng	77904	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

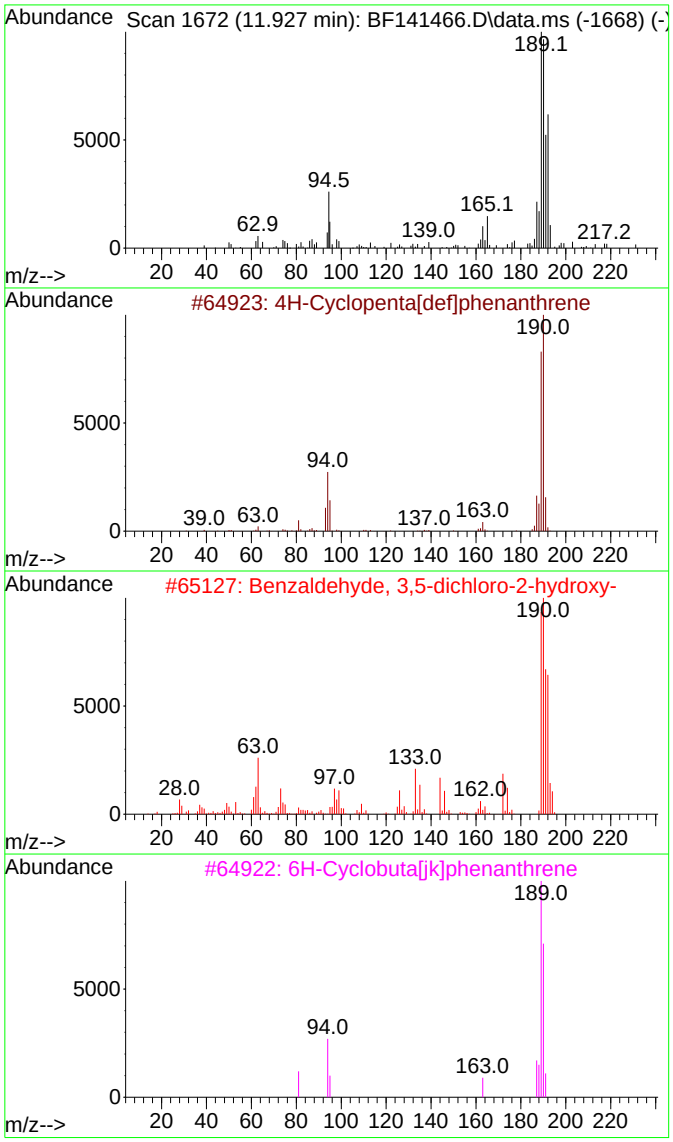
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

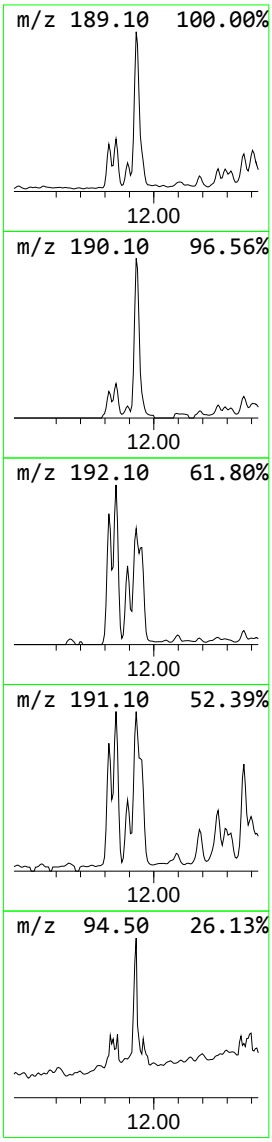
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.79 ng	104168	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	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	62
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	20





Sample Results: **BF141466.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141466.D
Acq On : 05 Feb 2025 23:41
Operator : RC/JU
Sample : Q1206-07 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.3-012725

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	3.3	ng	75487	3	9.828	458934	20.0
Anthracene, 2-m...	11.845	2.8	ng	77904	4	11.316	549796	20.0
4H-Cyclopenta[d...	11.927	3.8	ng	104168	4	11.316	549796	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

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)

ICAL Form

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

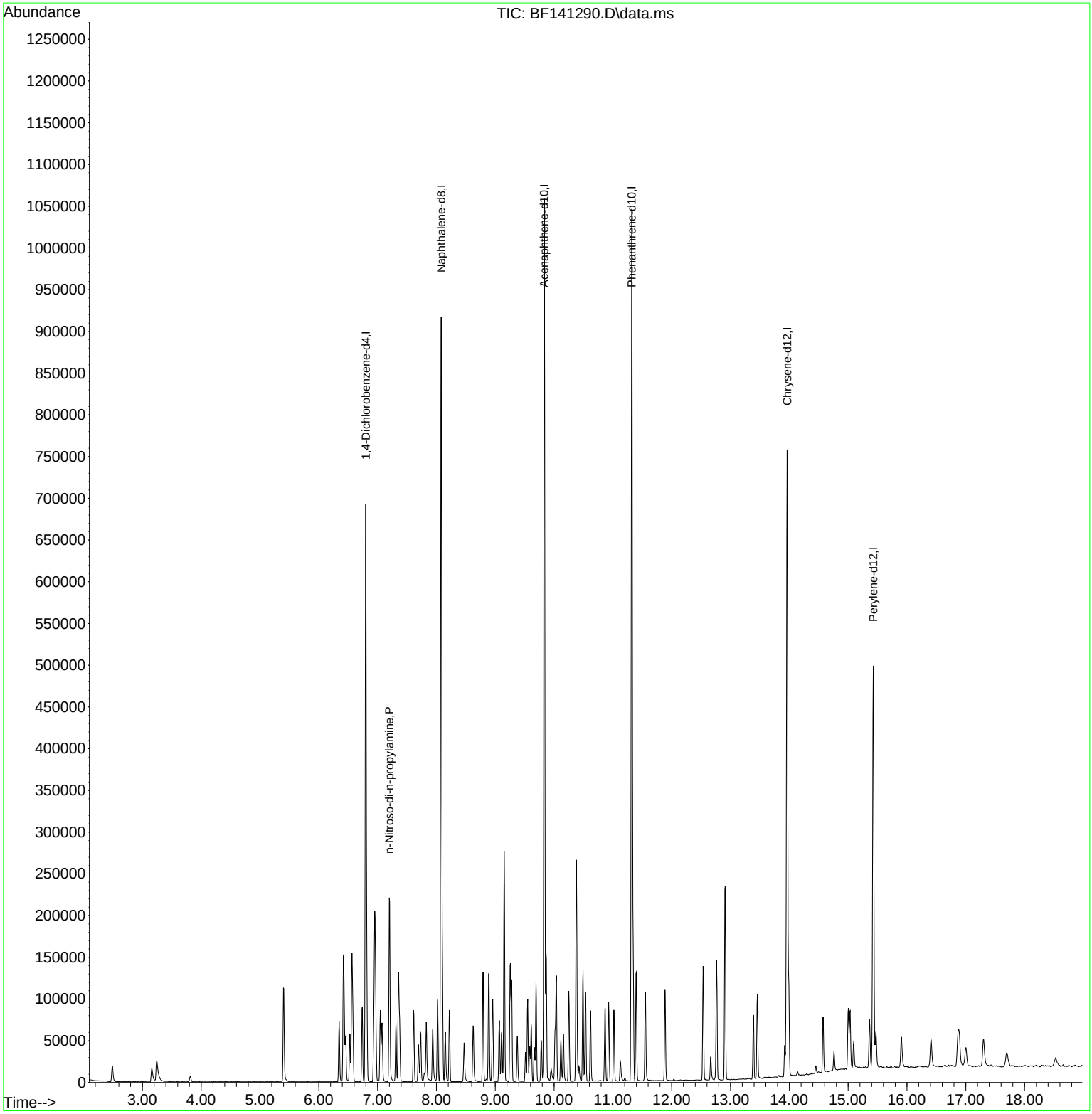
(#) = qualifier out of range (m) = manual integration (+) = signals summed

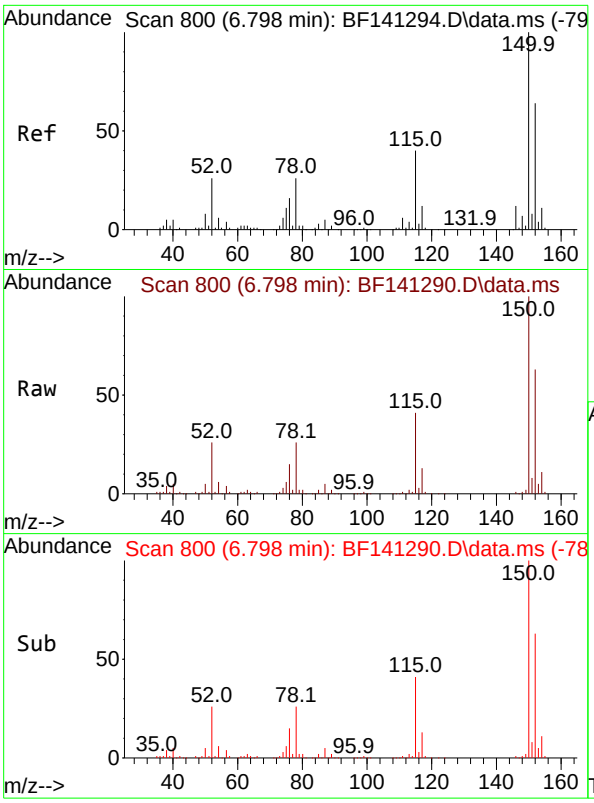
ICAL Form

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



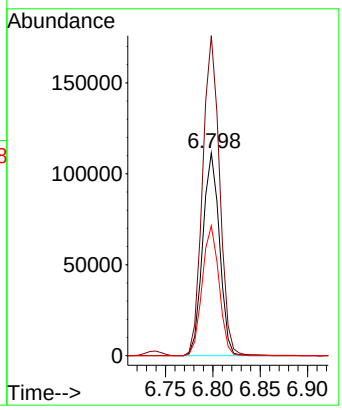


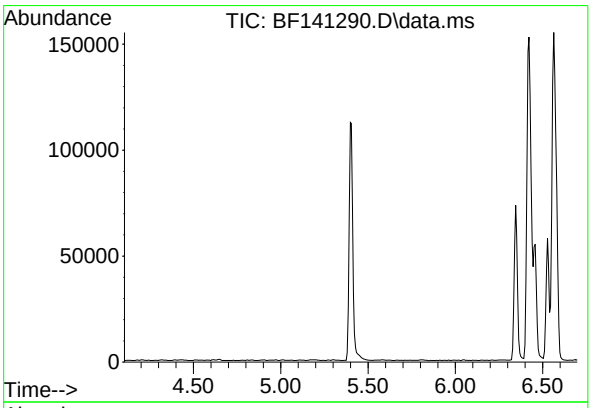
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



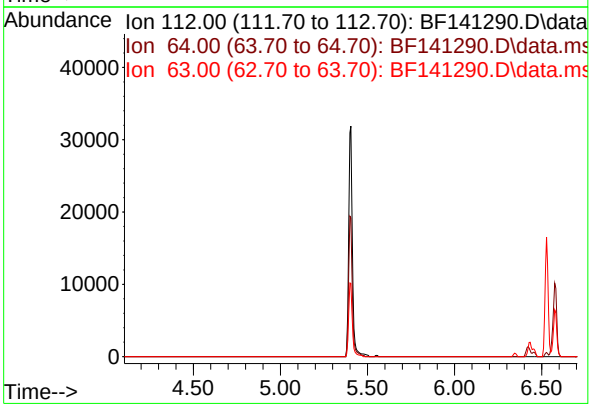


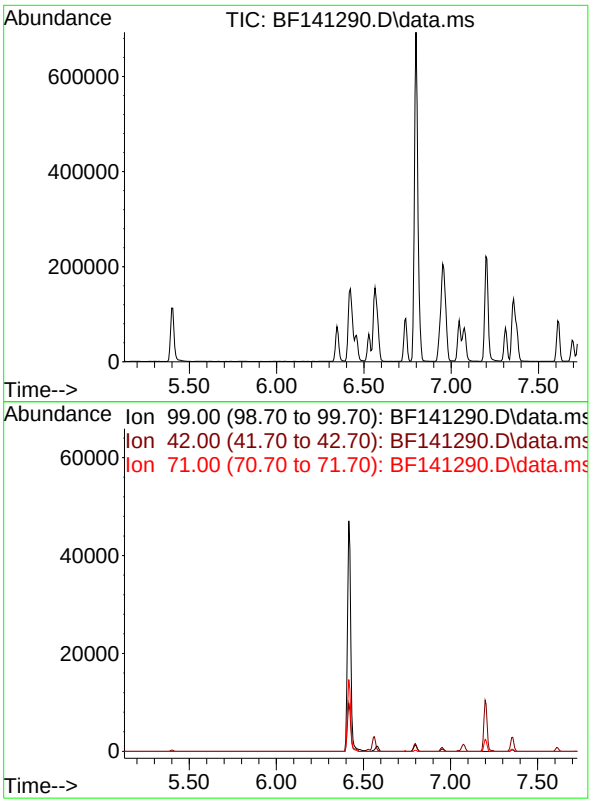
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	32.6





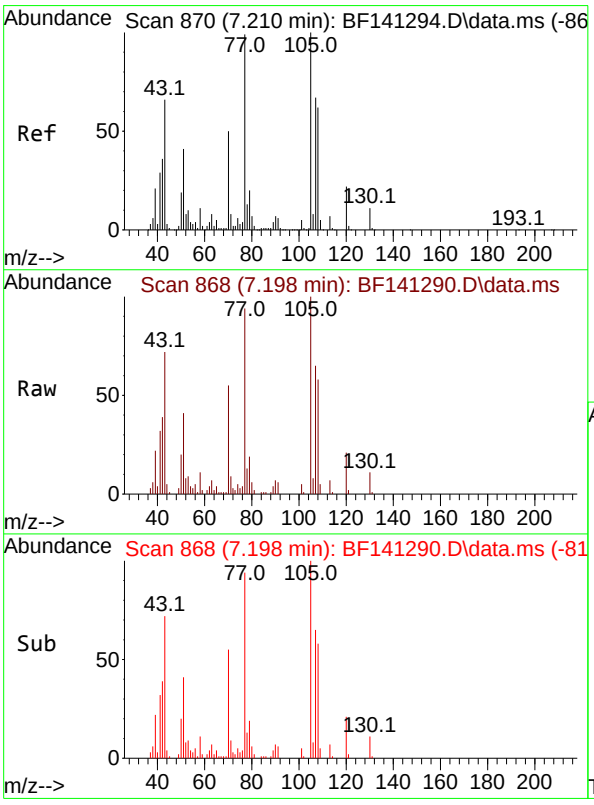
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.43 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

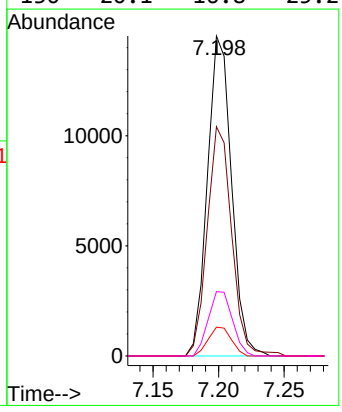
Sig	Exp Ratio
99	100
42	21.4
71	33.6

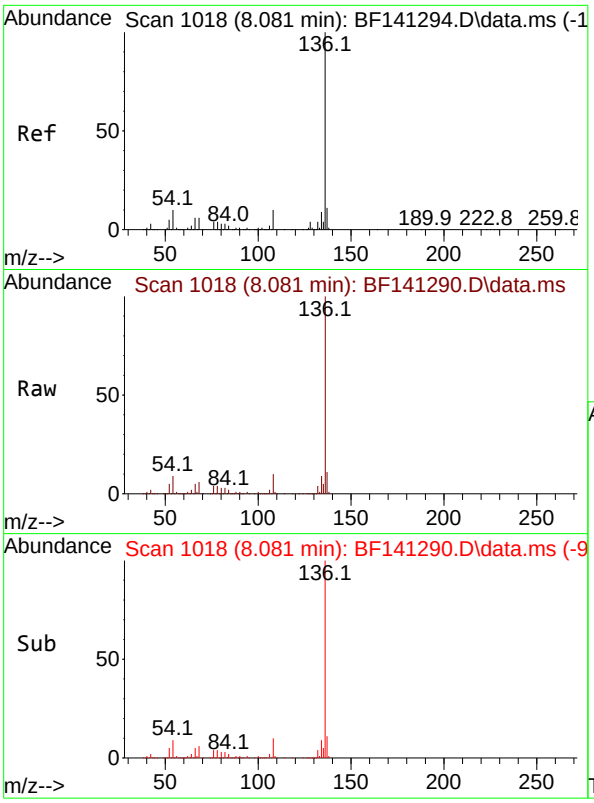


#19
n-Nitroso-di-n-propylamine
Concen: 2.764 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



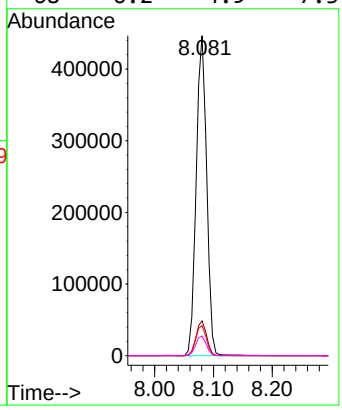


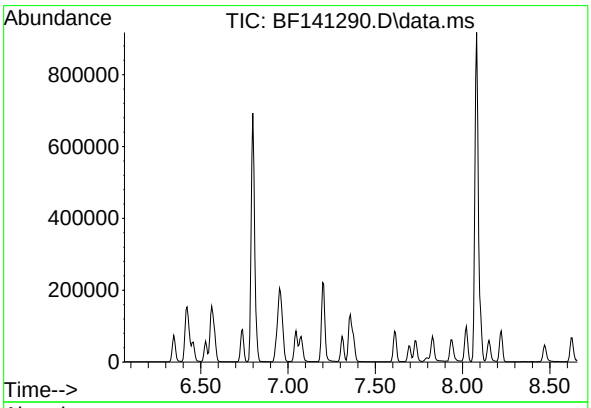
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



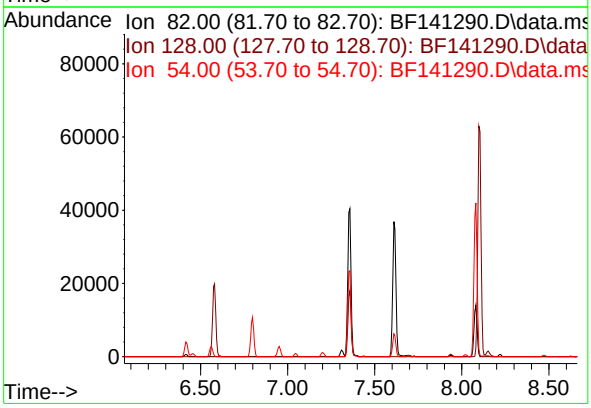


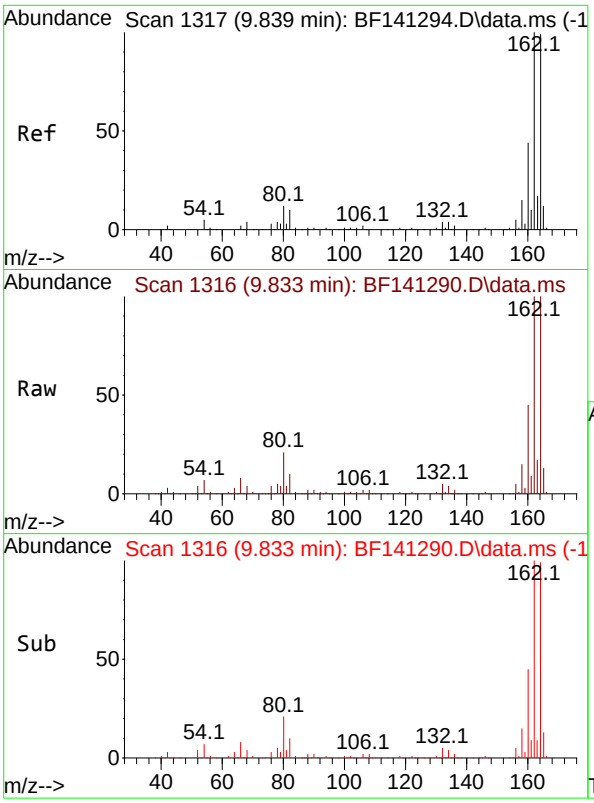
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.6
54	58.9



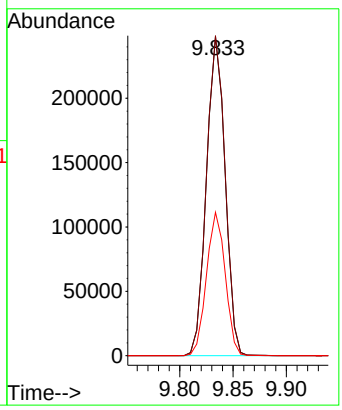


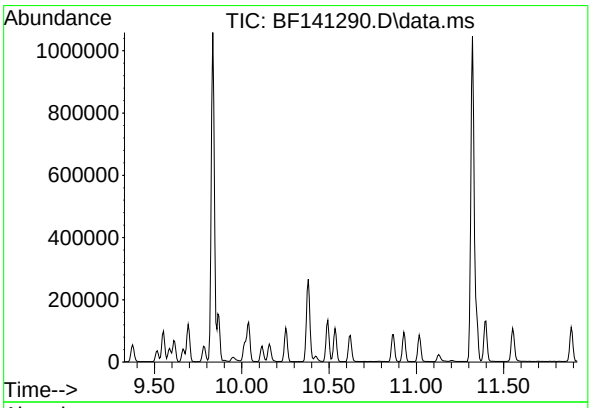
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



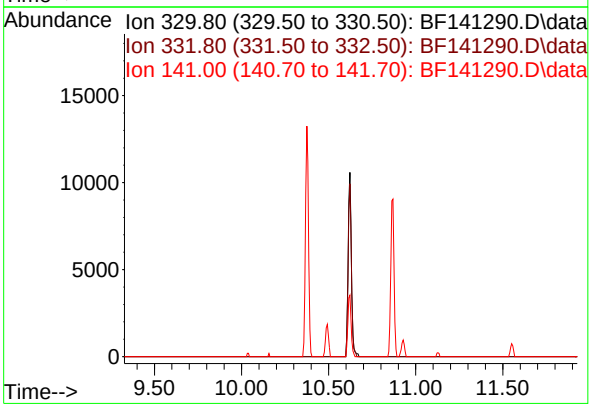


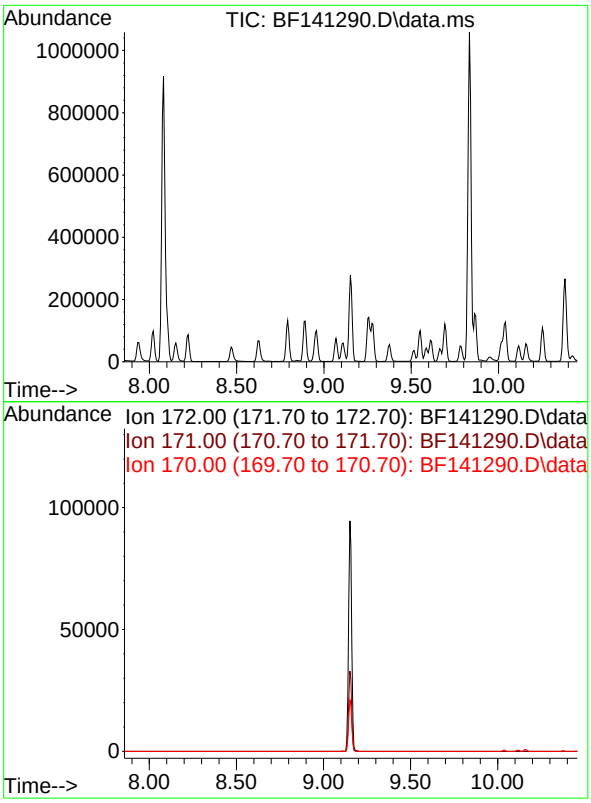
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.1
141	36.0





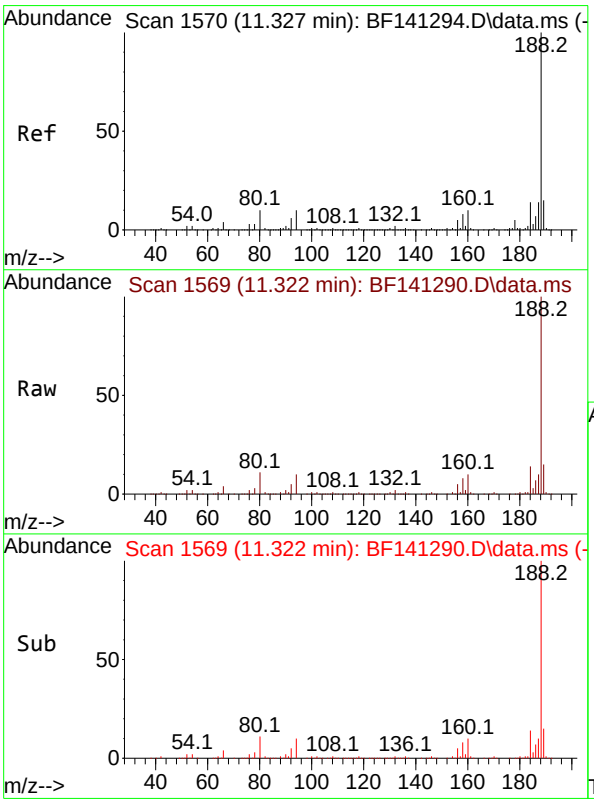
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

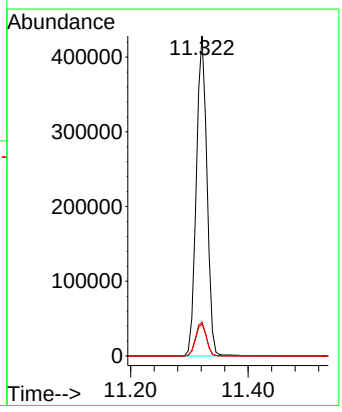
Sig	Exp Ratio
172	100
171	36.0
170	23.8

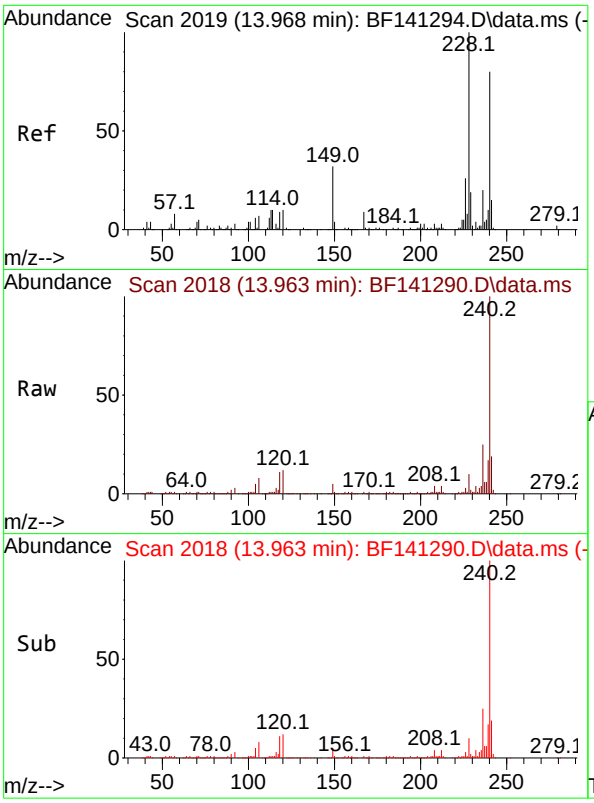


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



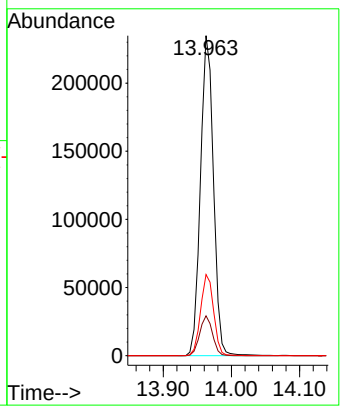


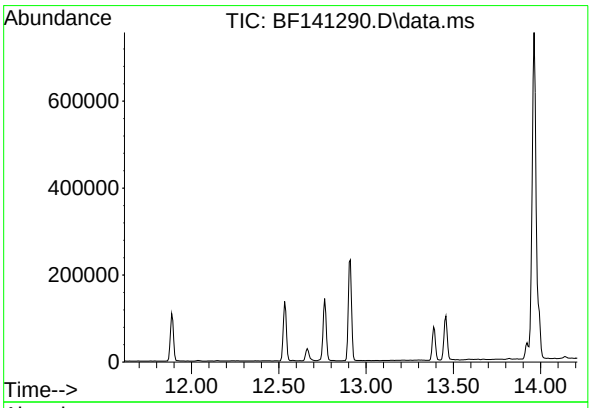
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



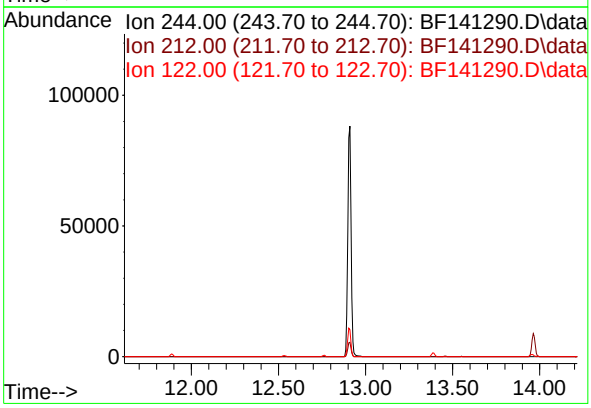


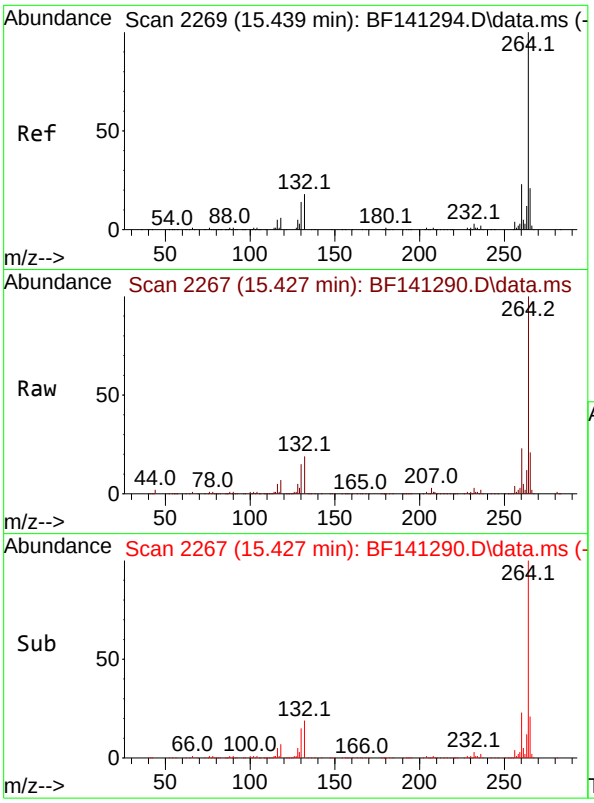
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.92 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	11.0



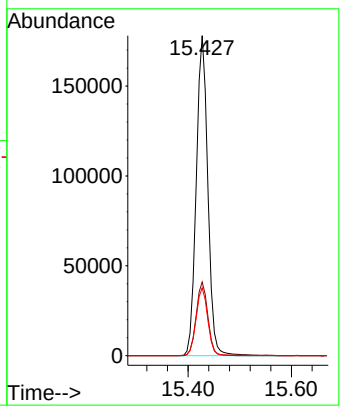


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

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



ICAL Form

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

ICAL Form

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

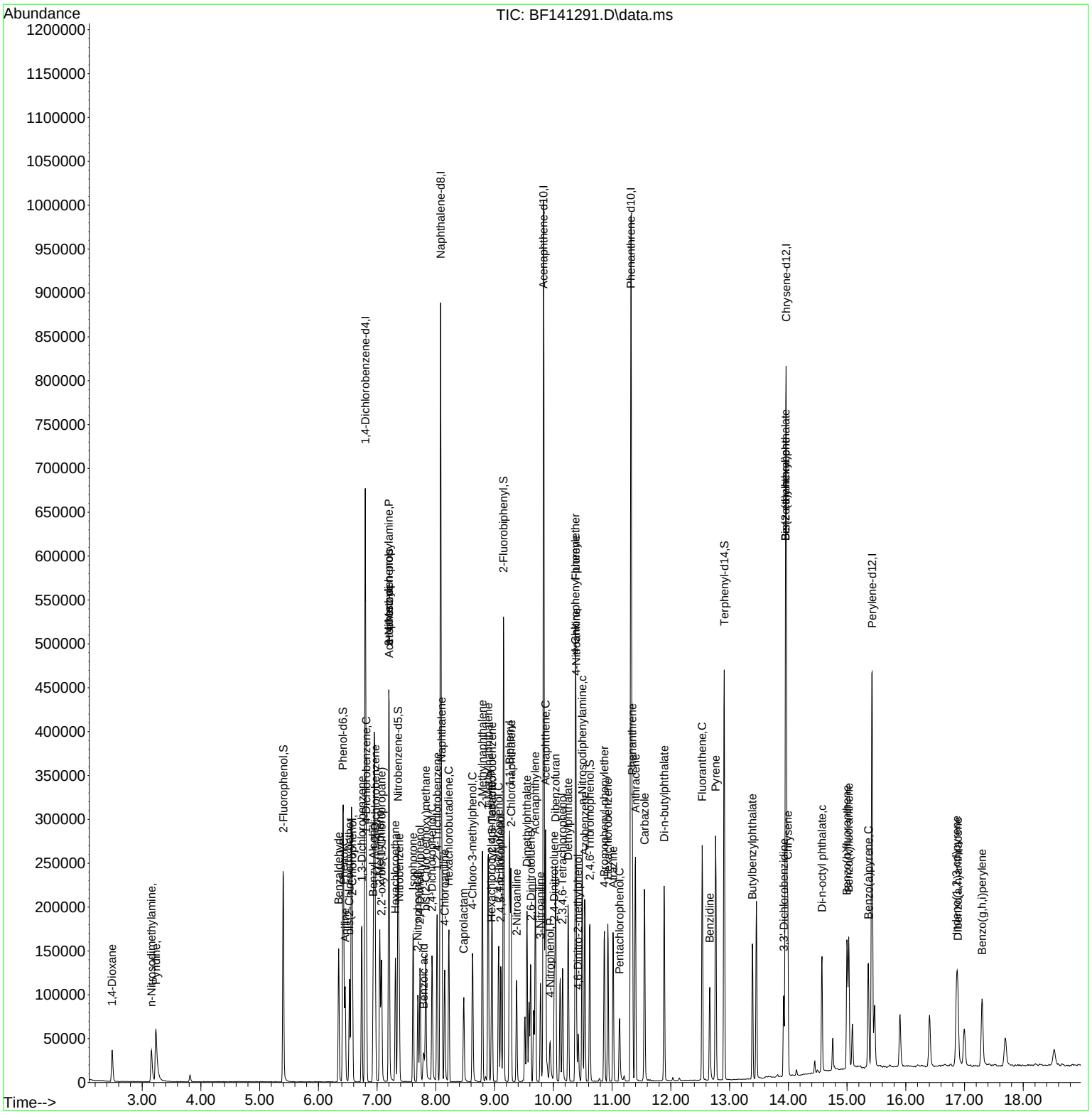
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	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

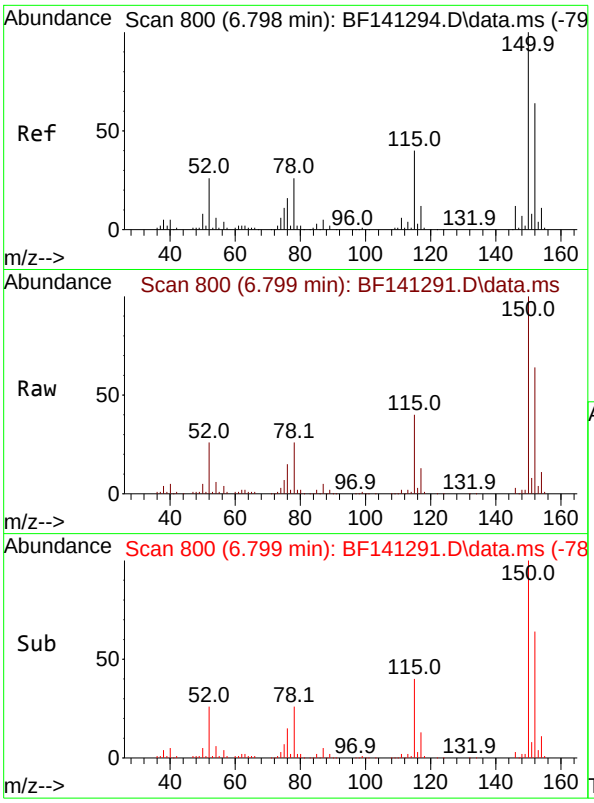
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



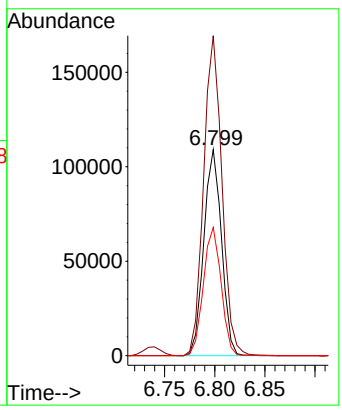


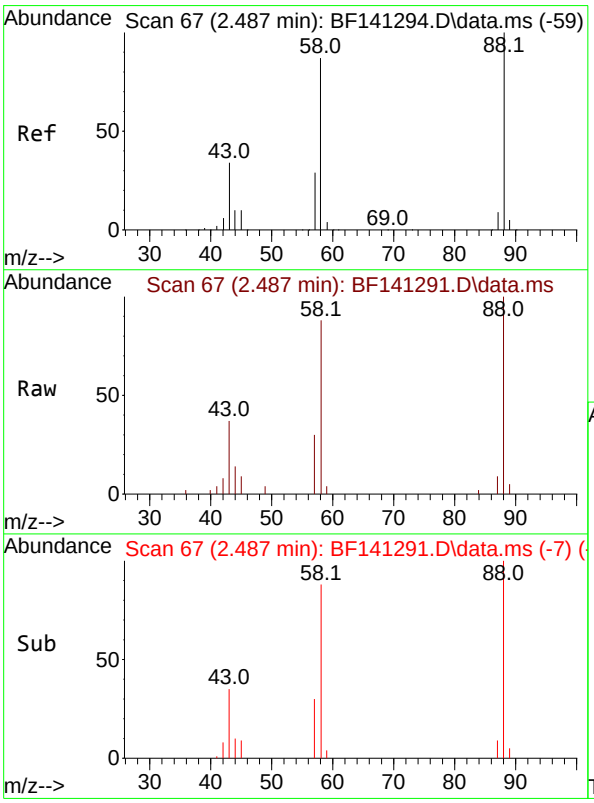
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

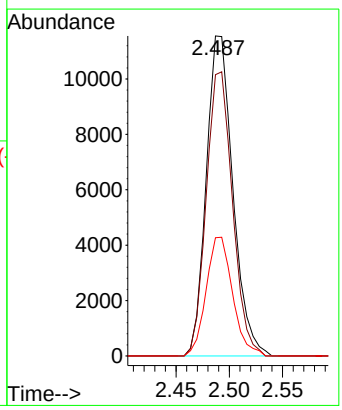


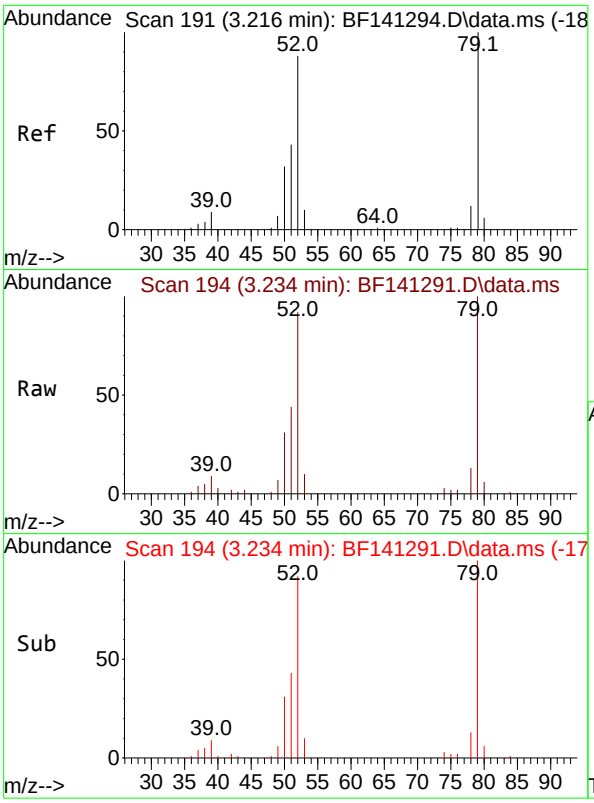


#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



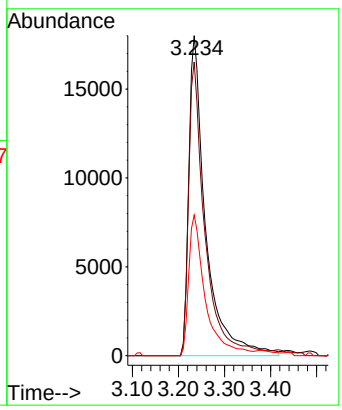


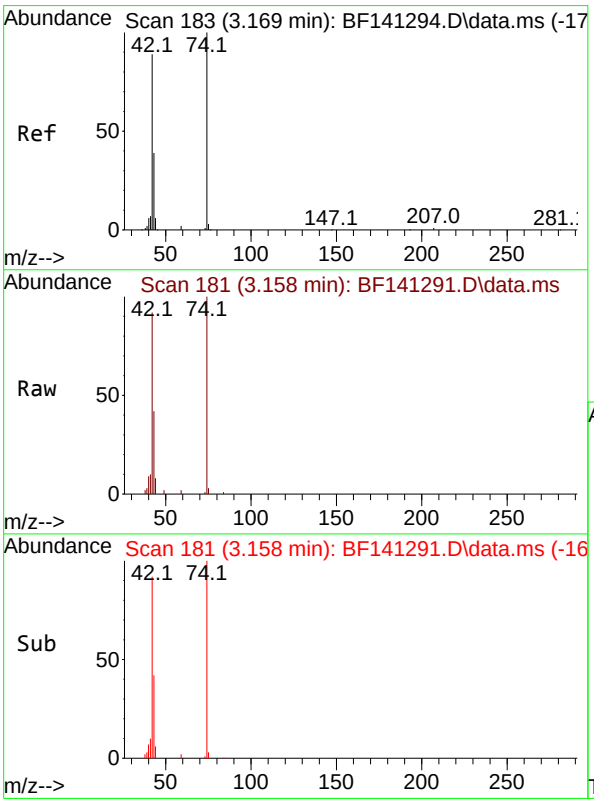
#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

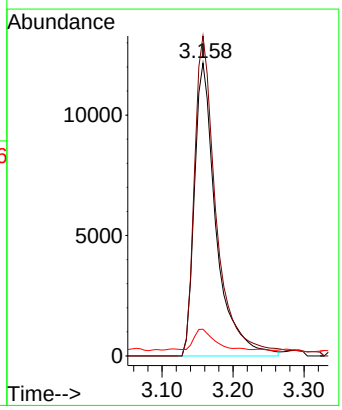


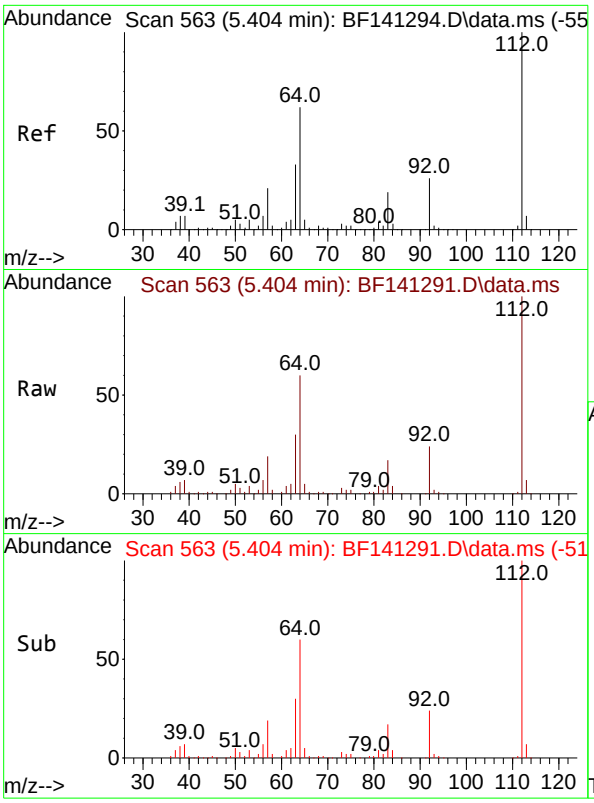


#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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#



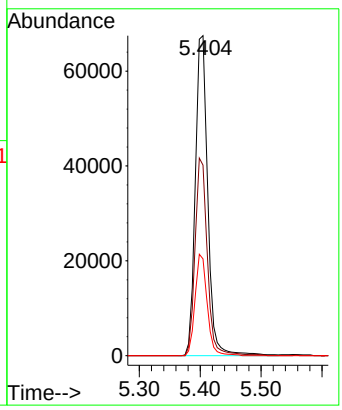


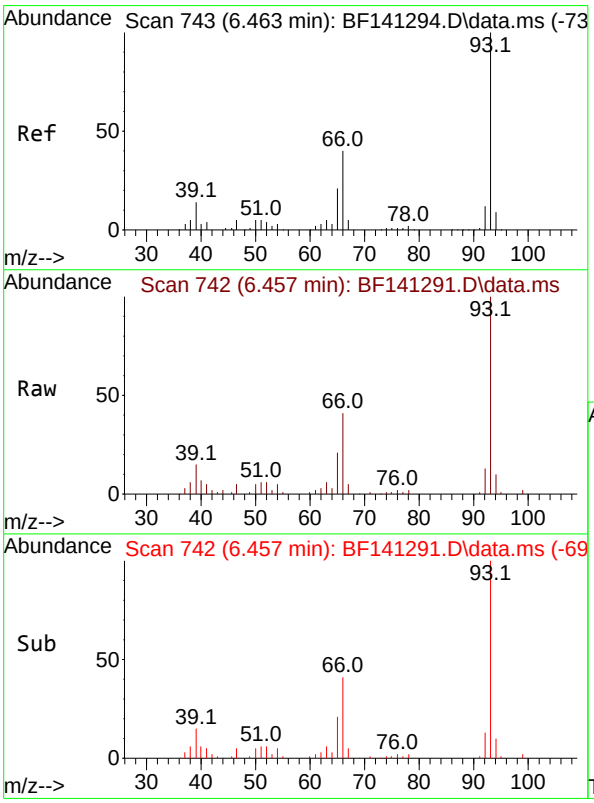
#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

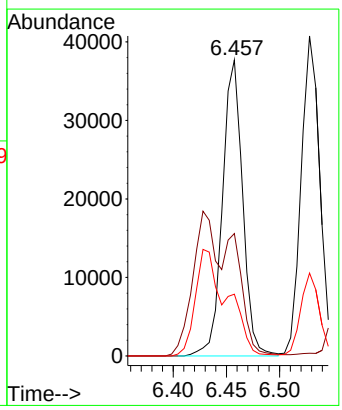


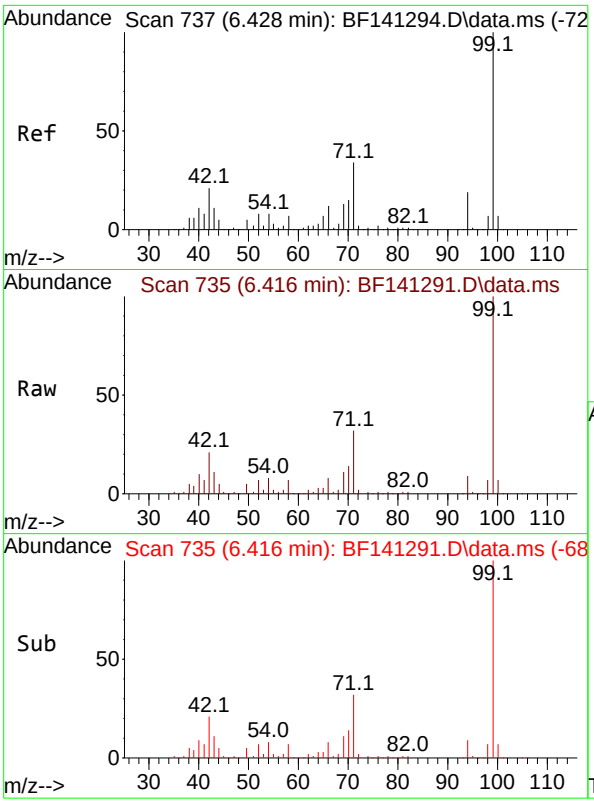


#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



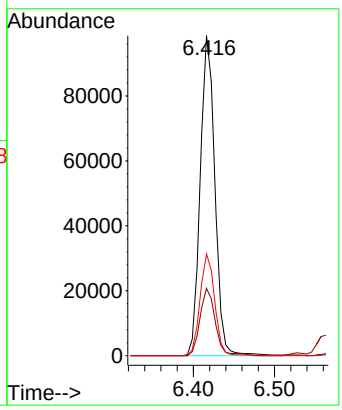


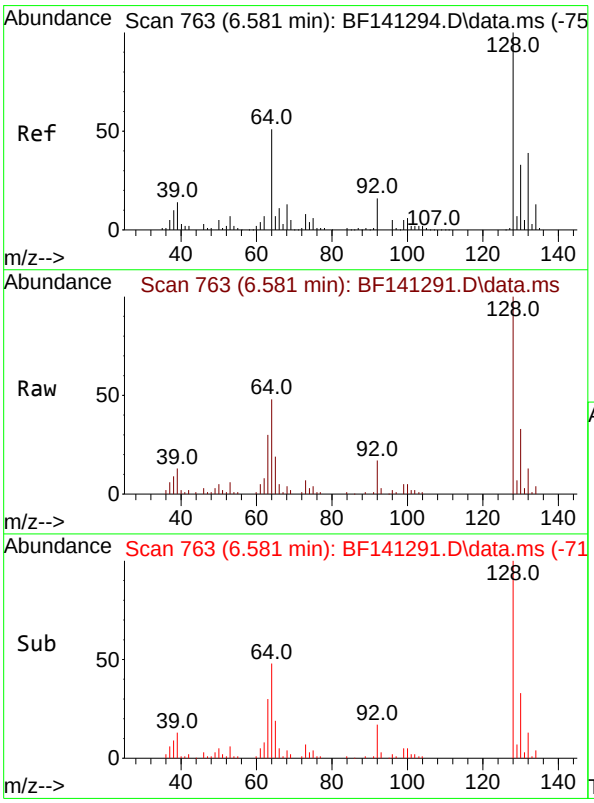
#7
Phenol-d6
Concen: 11.172 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

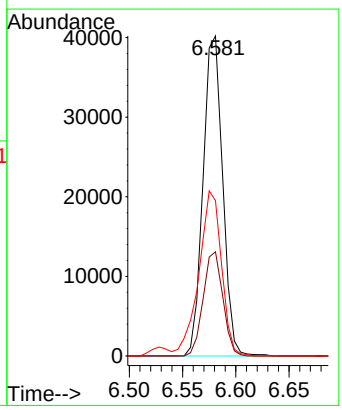


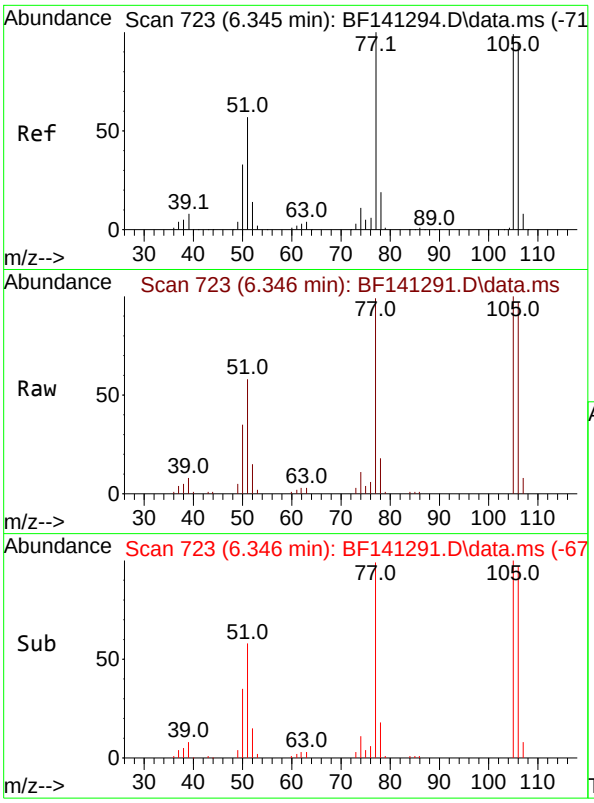


#8
2-Chlorophenol
Concen: 5.527 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



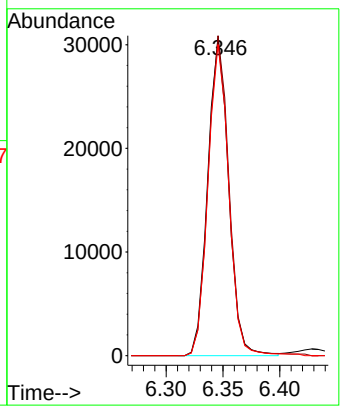


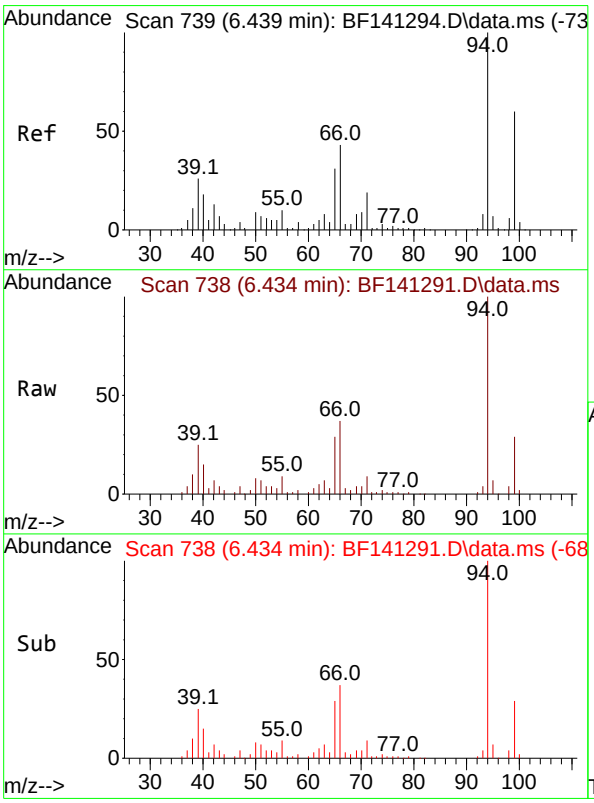
#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

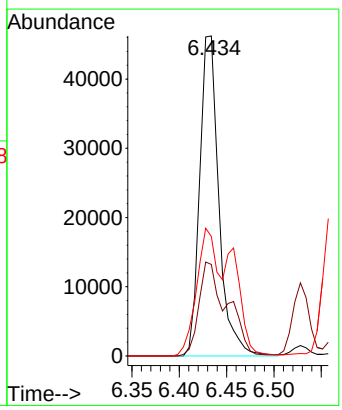


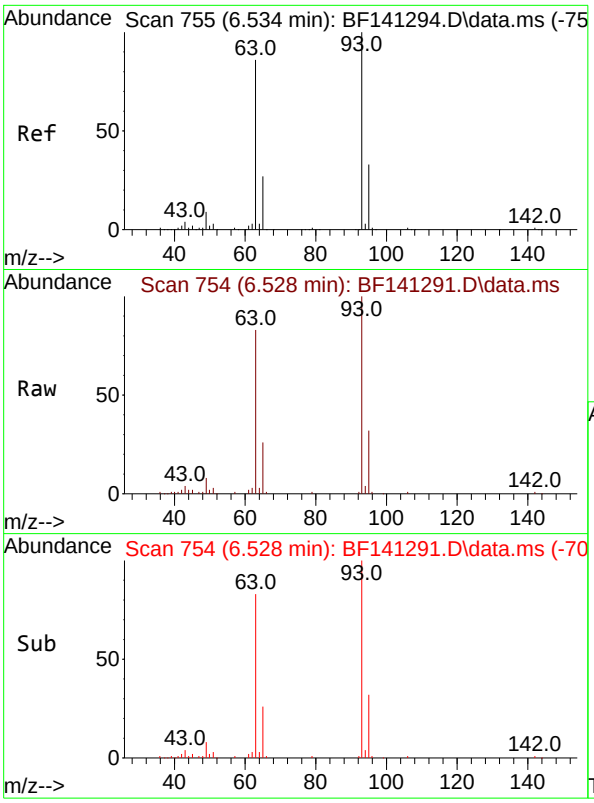


#10
Phenol
Concen: 5.558 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



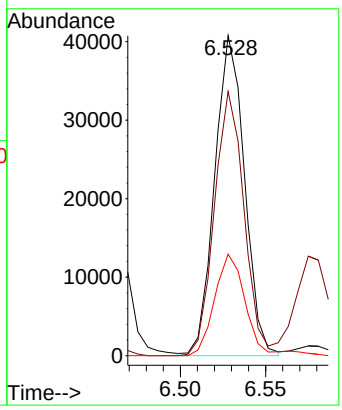


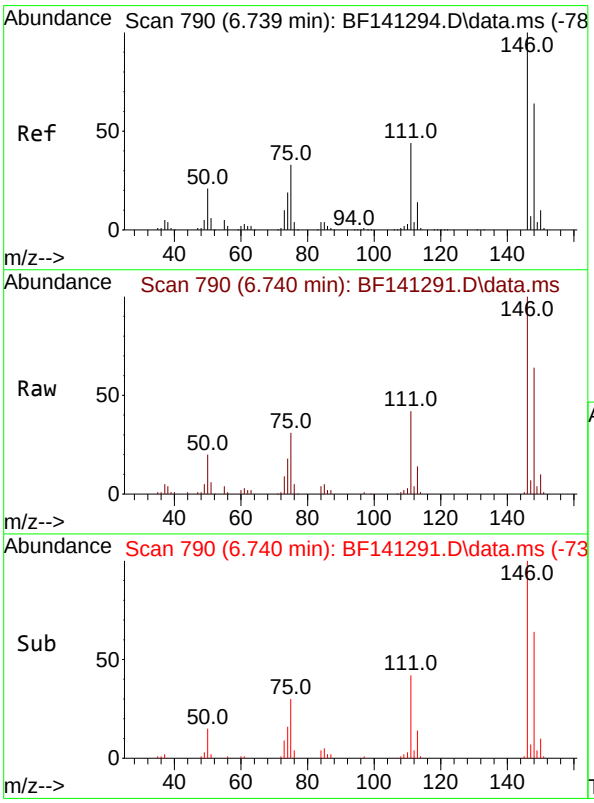
#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

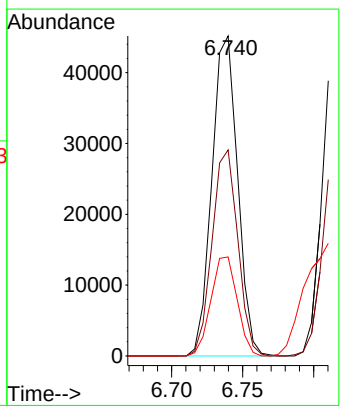


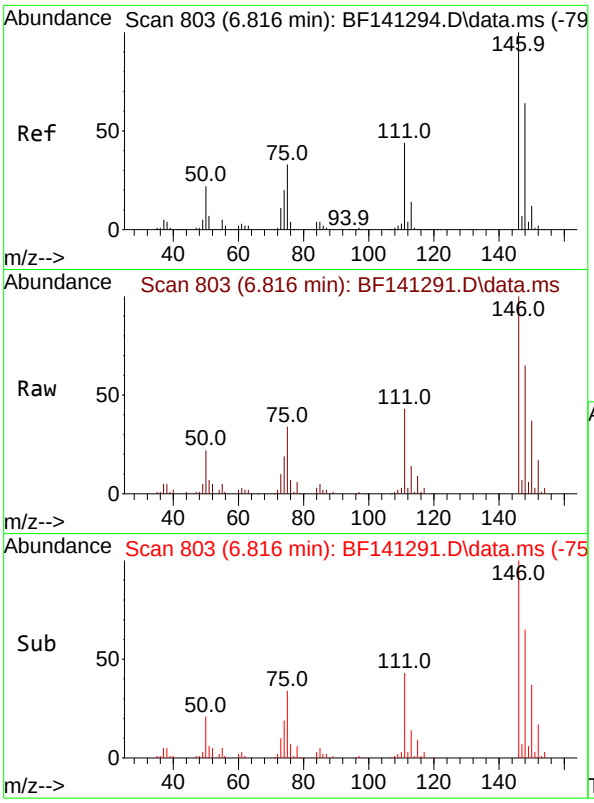


#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



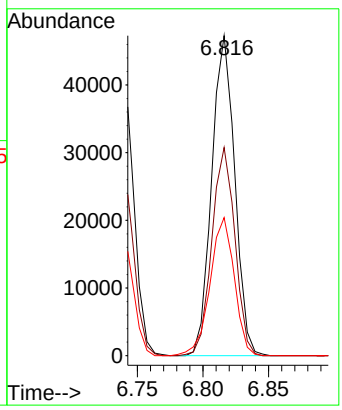


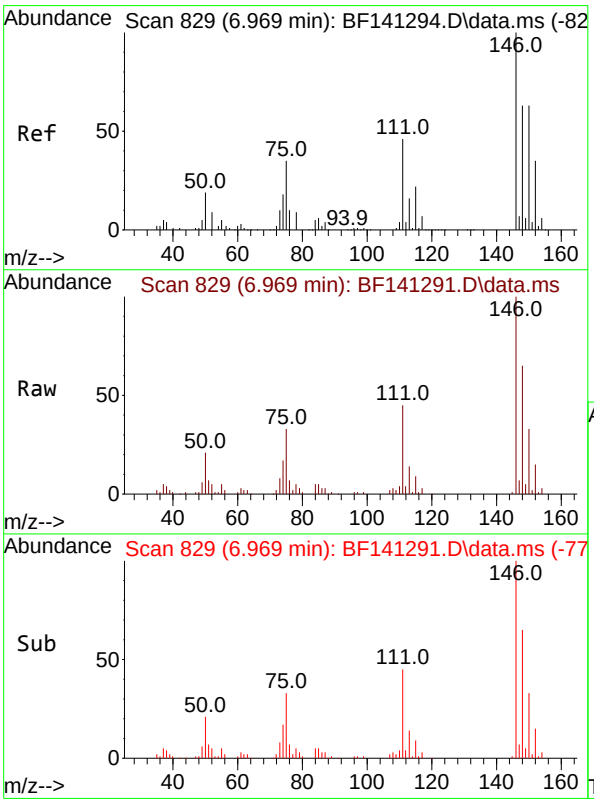
#13
1,4-Dichlorobenzene
Concen: 5.573 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

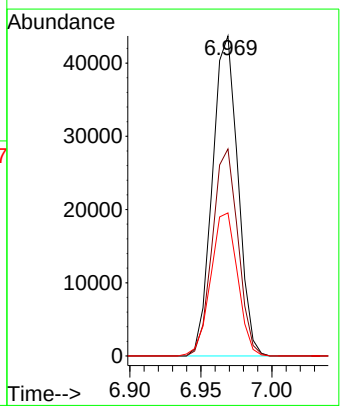


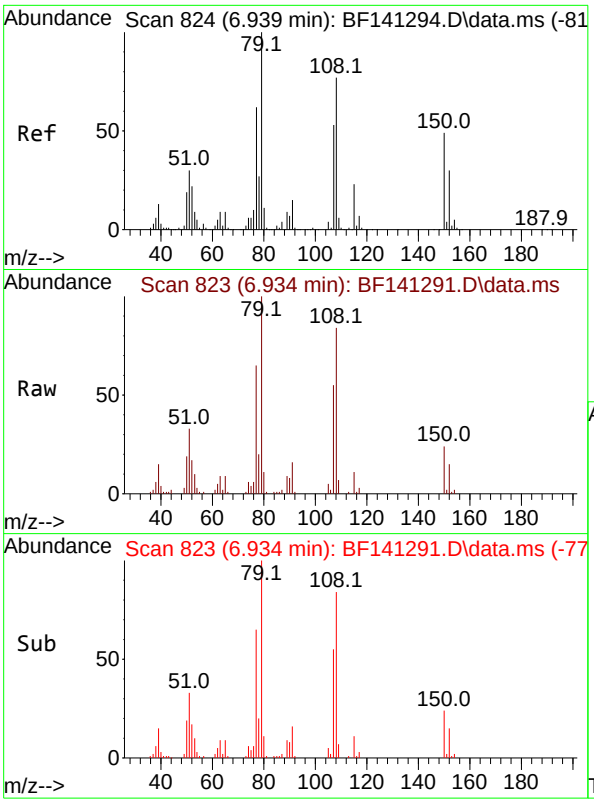


#14
1,2-Dichlorobenzene
Concen: 5.650 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



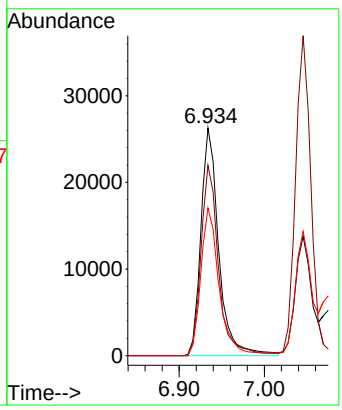


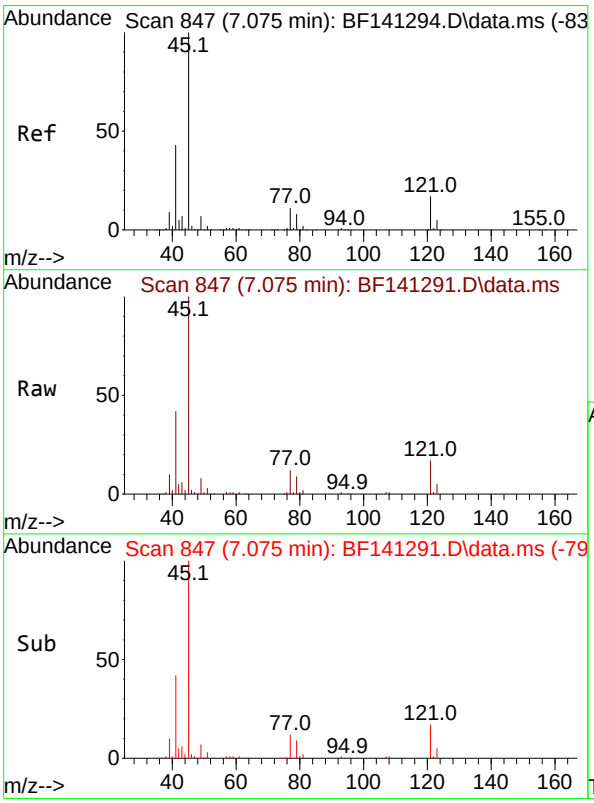
#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

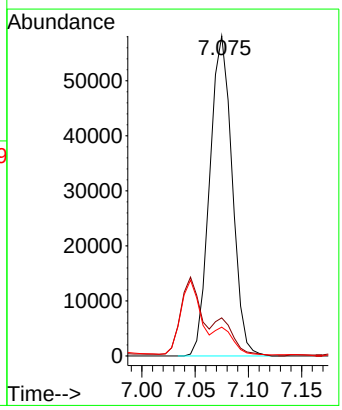


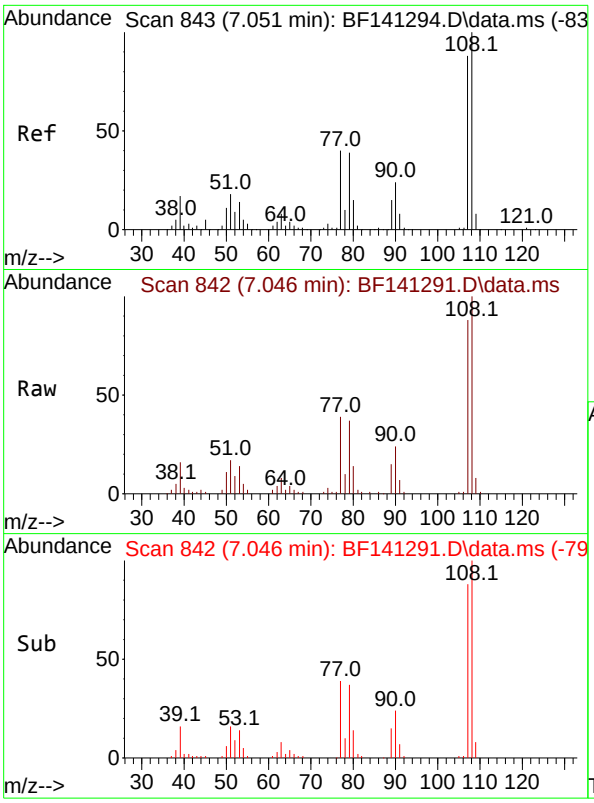


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.436 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



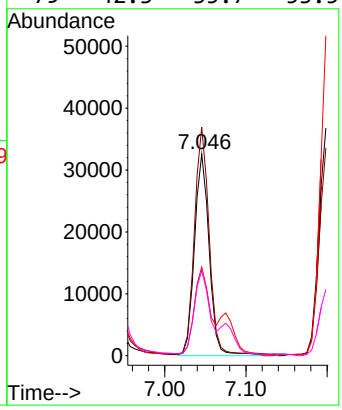


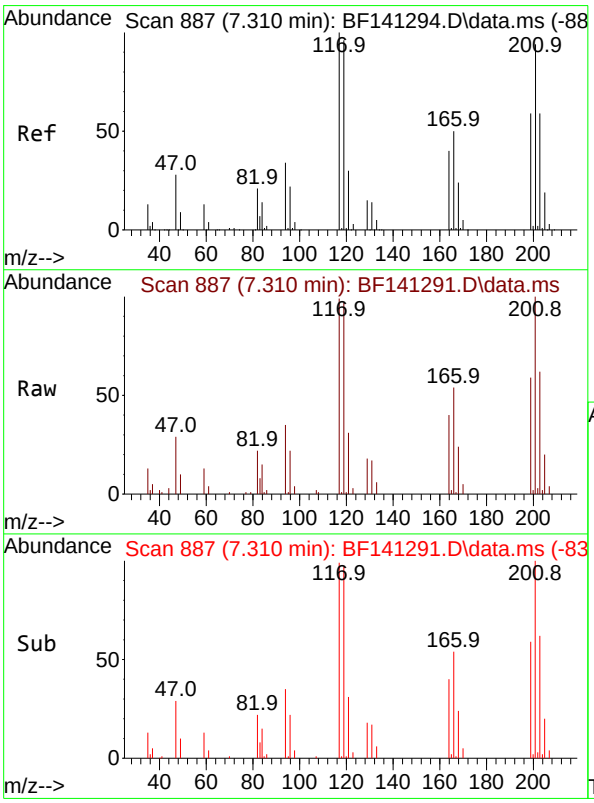
#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

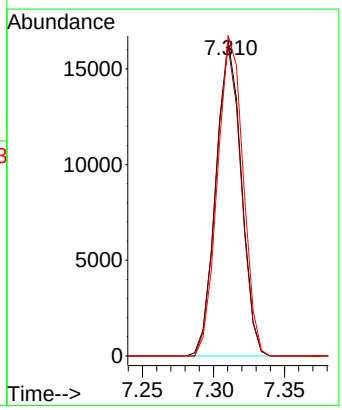


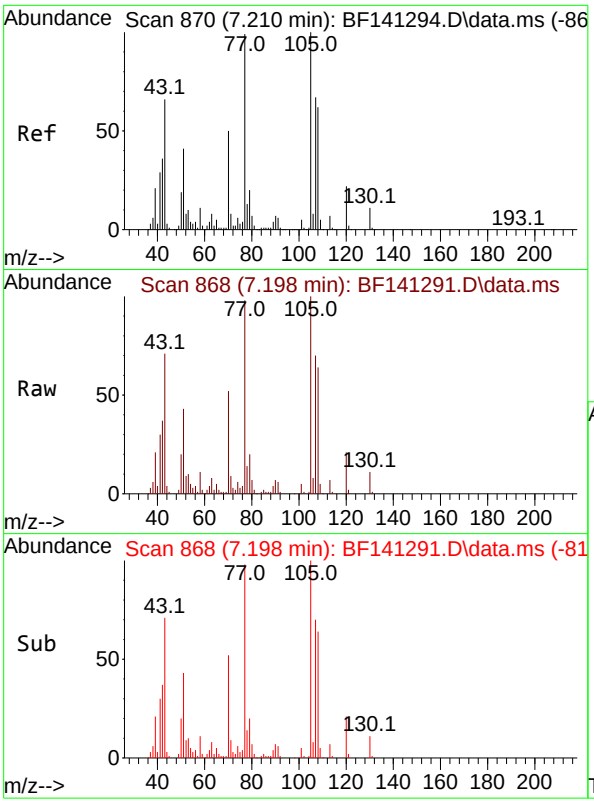


#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



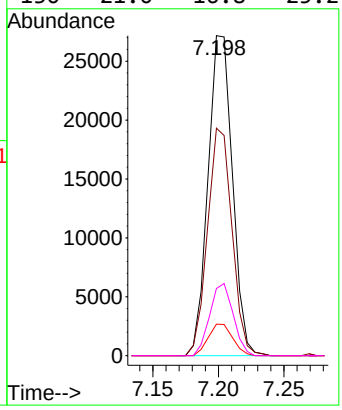


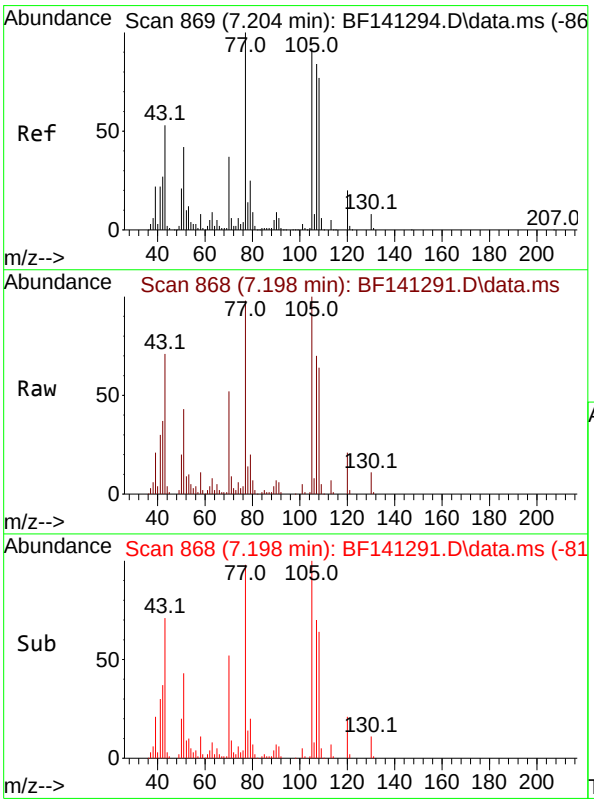
#19
n-Nitroso-di-n-propylamine
Concen: 5.363 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

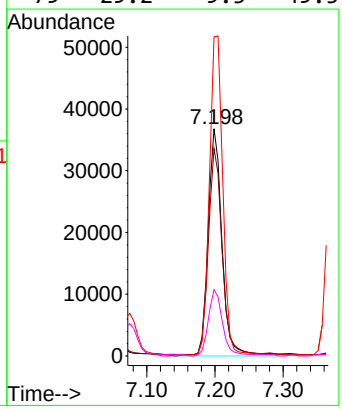


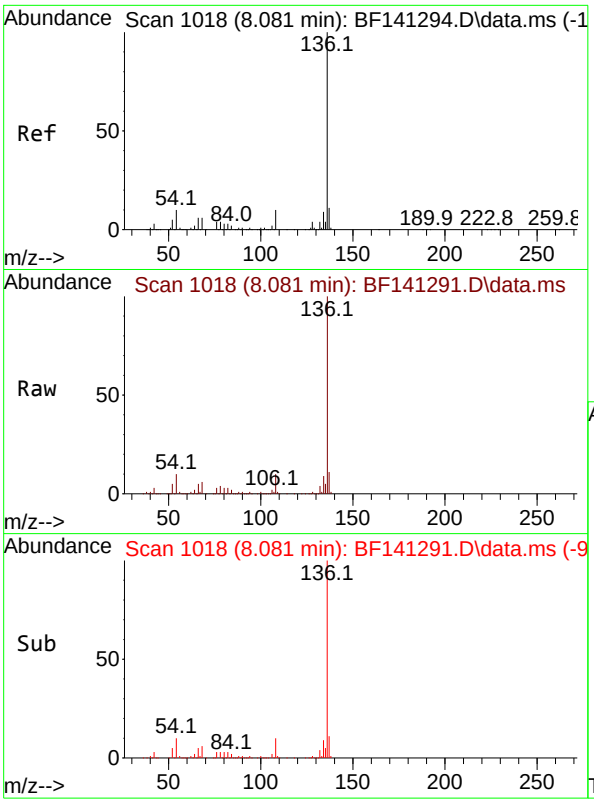


#20
3+4-Methylphenols
Concen: 5.645 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



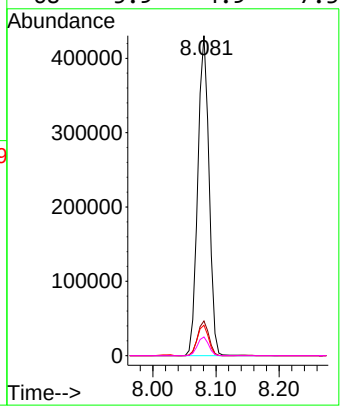


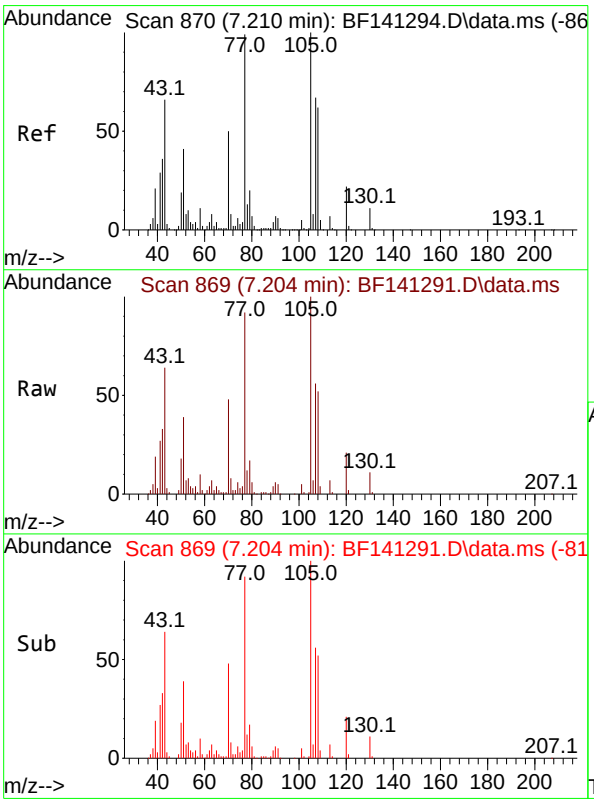
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

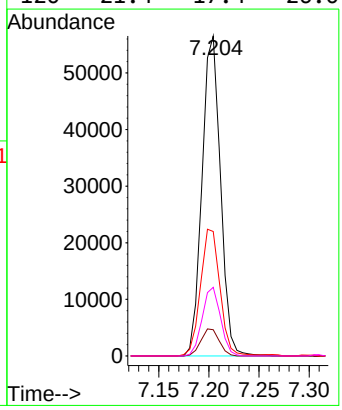


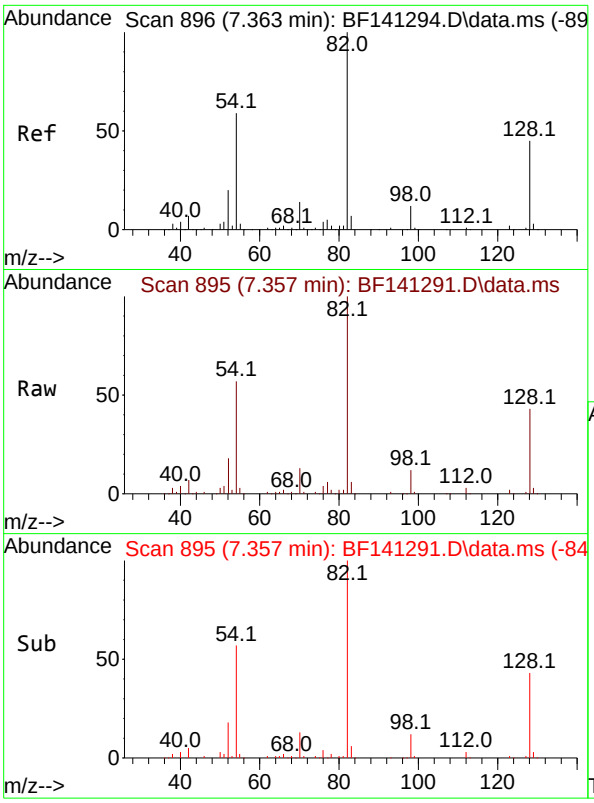


#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



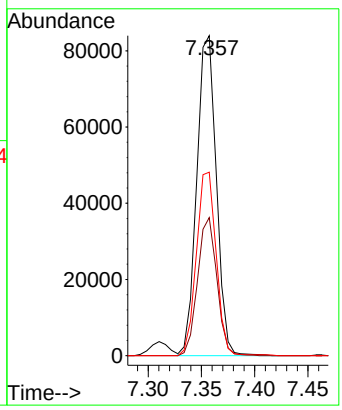


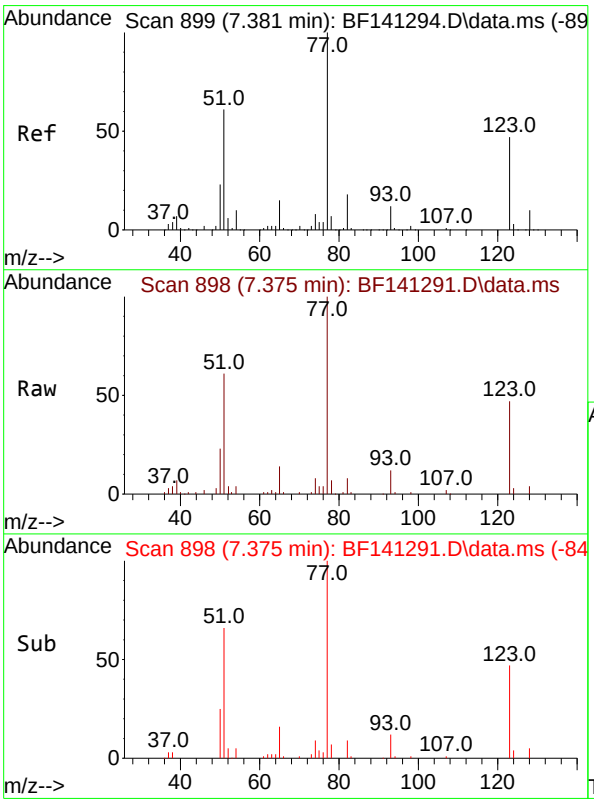
#23
Nitrobenzene-d5
Concen: 10.719 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

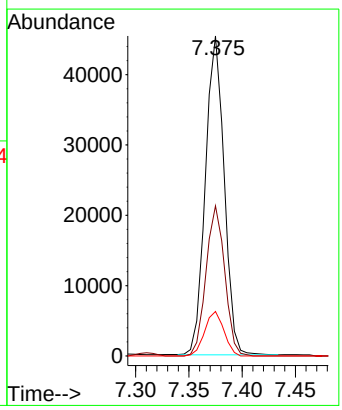


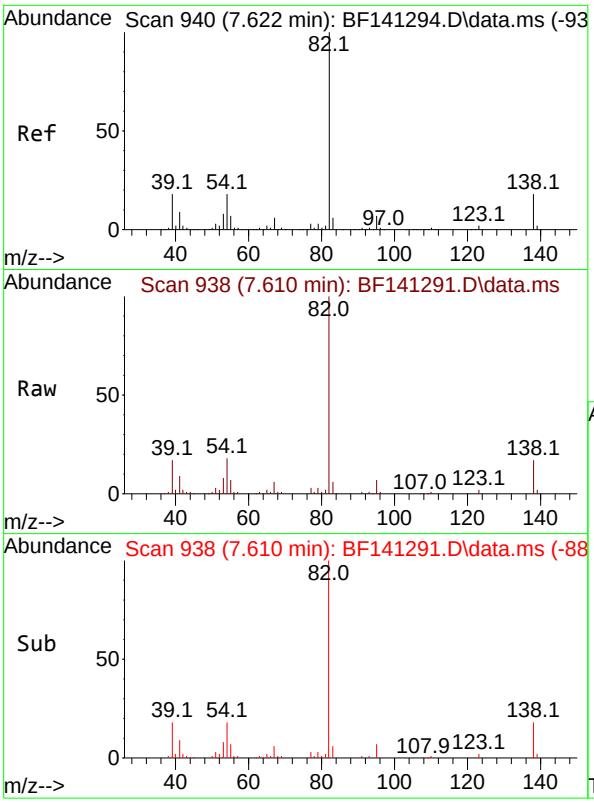


#24
Nitrobenzene
Concen: 5.337 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



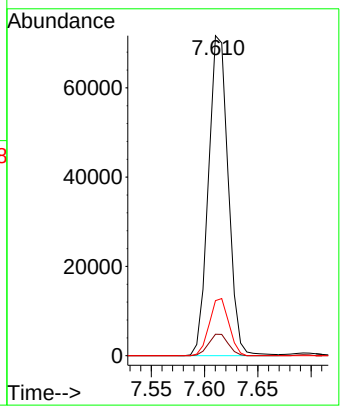


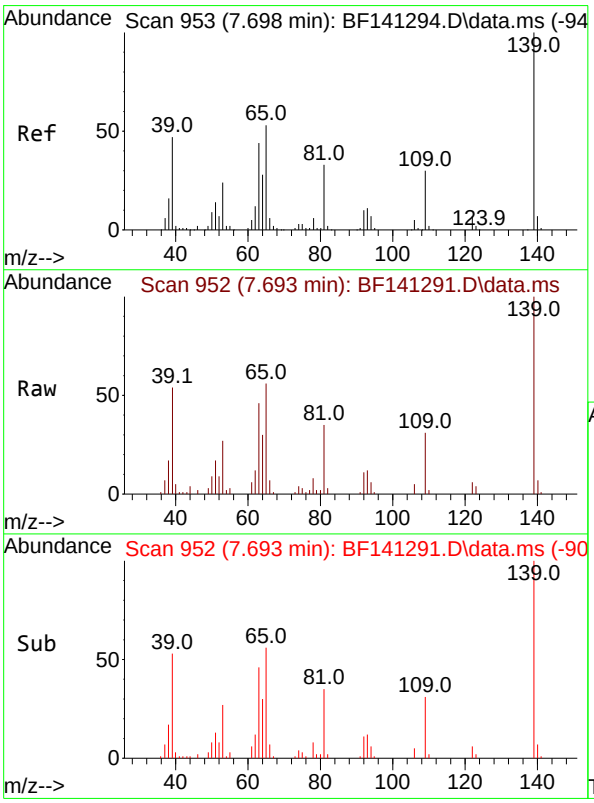
#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

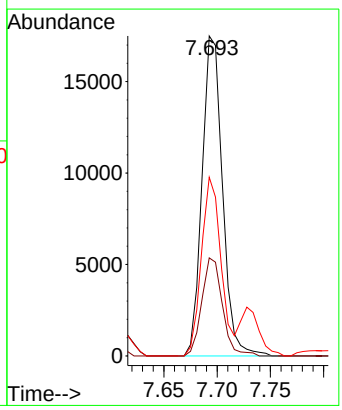


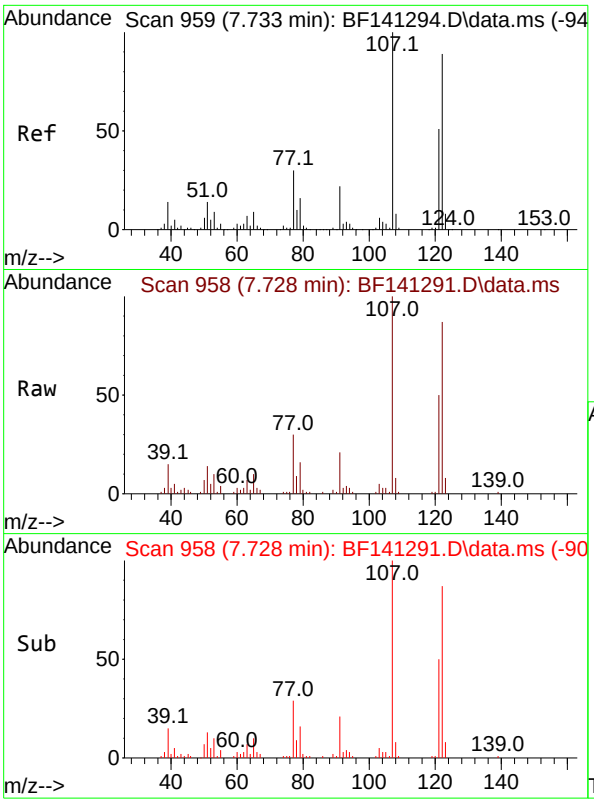


#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



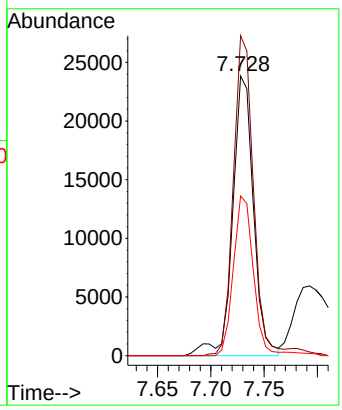


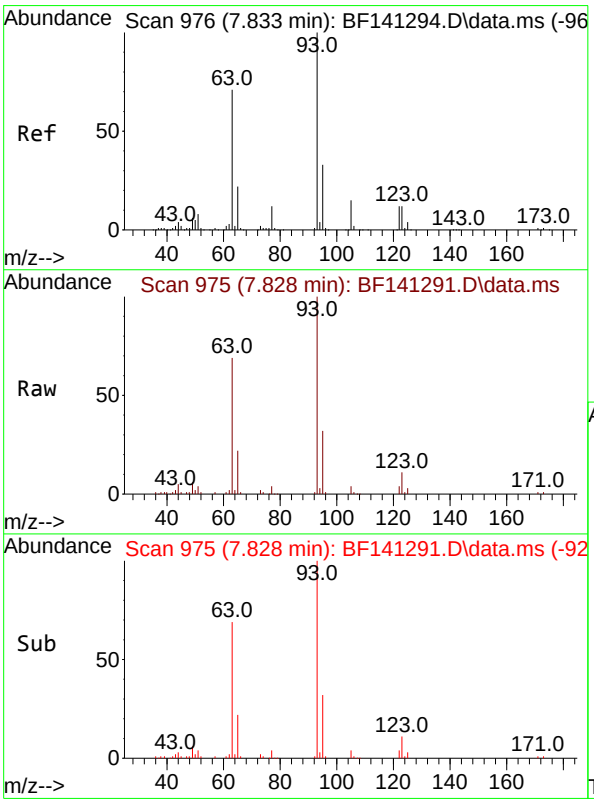
#27
2,4-Dimethylphenol
Concen: 5.205 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

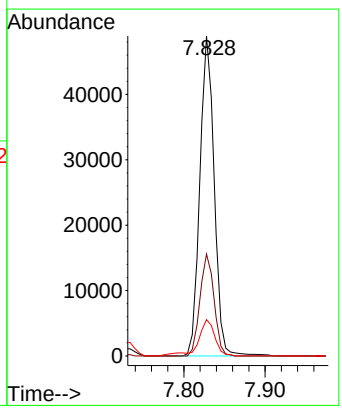


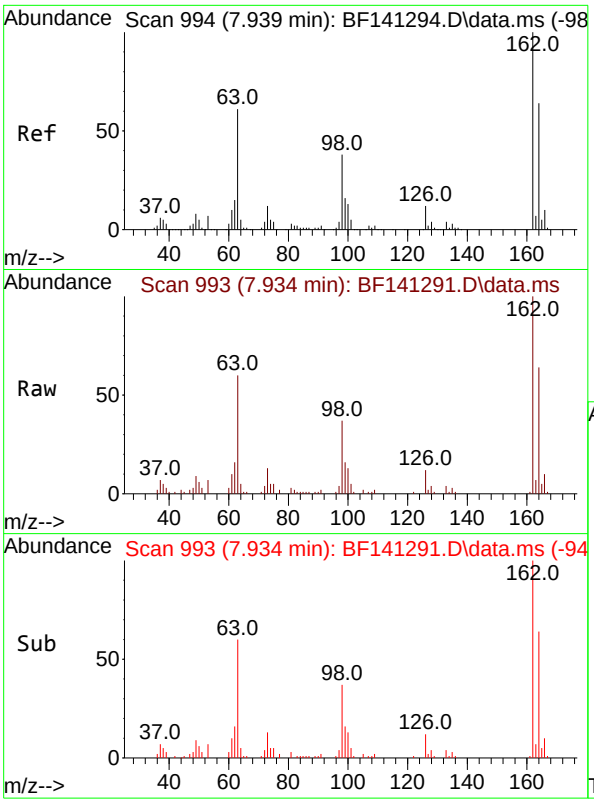


#28
bis(2-Chloroethoxy)methane
Concen: 5.449 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



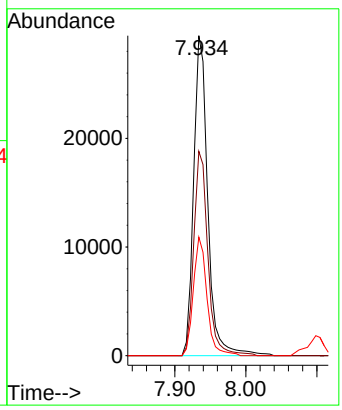


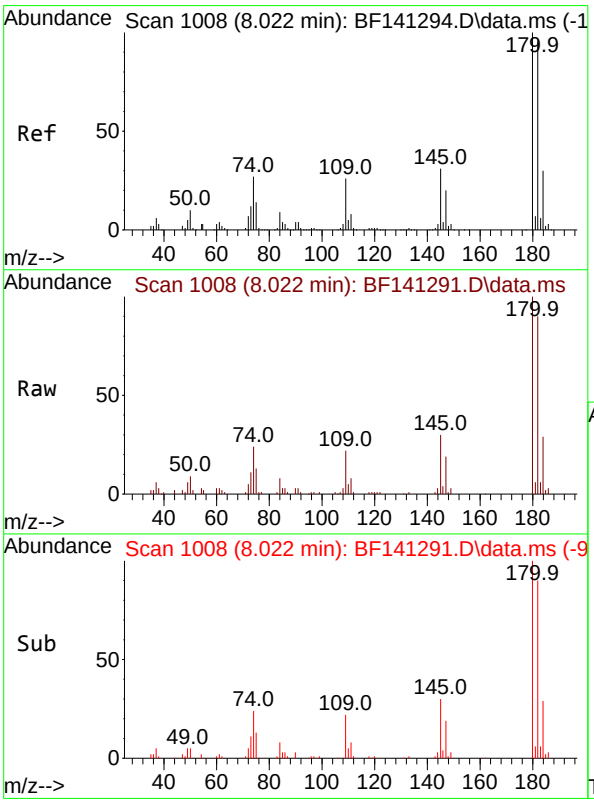
#29
2,4-Dichlorophenol
Concen: 5.360 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

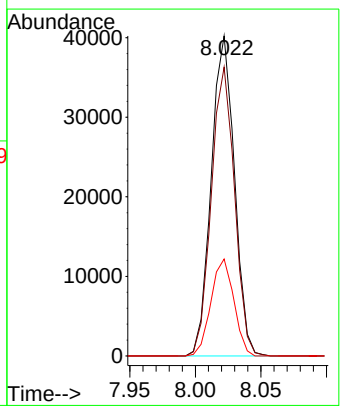


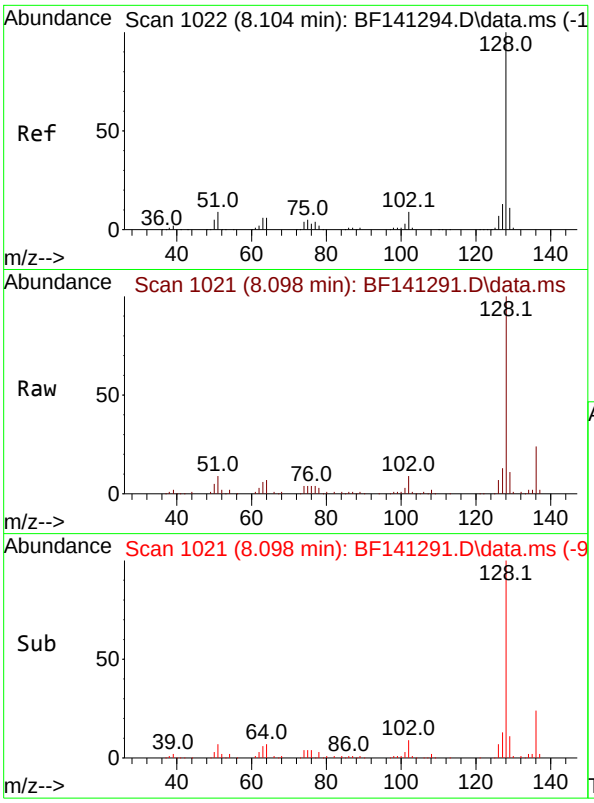


#30
1,2,4-Trichlorobenzene
Concen: 5.661 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



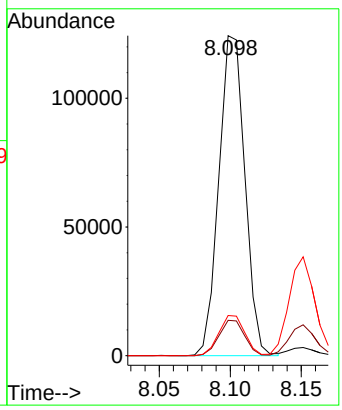


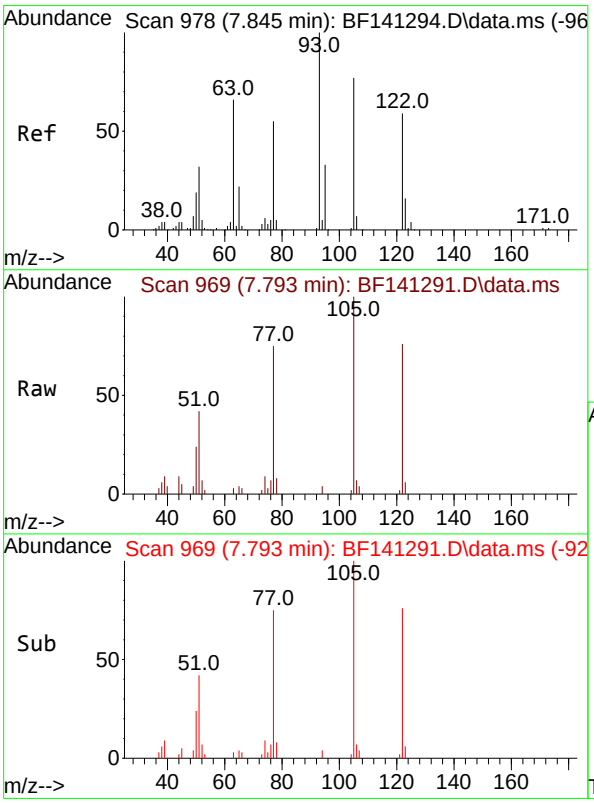
#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

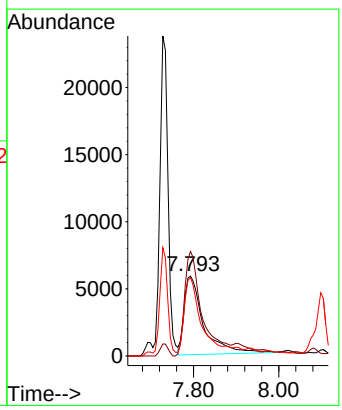


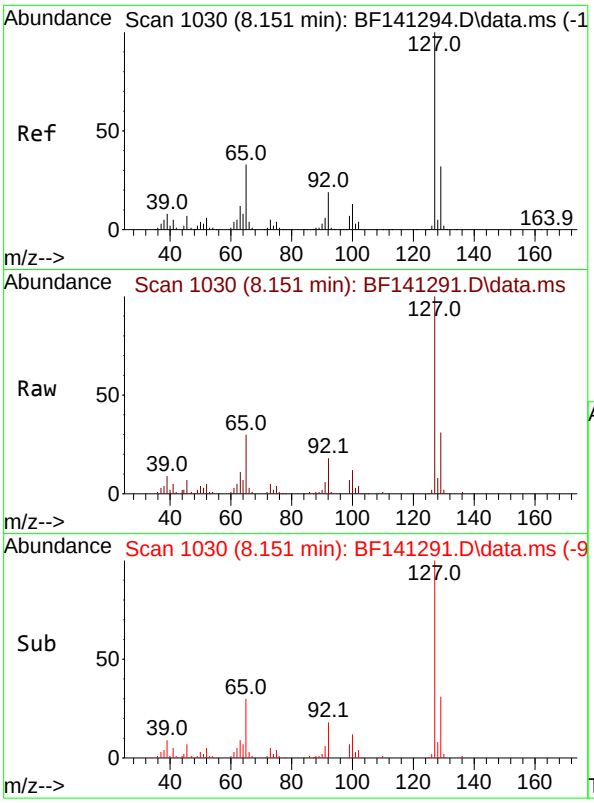


#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



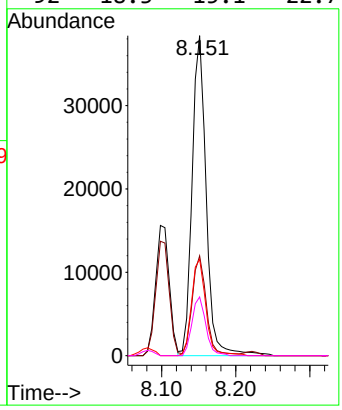


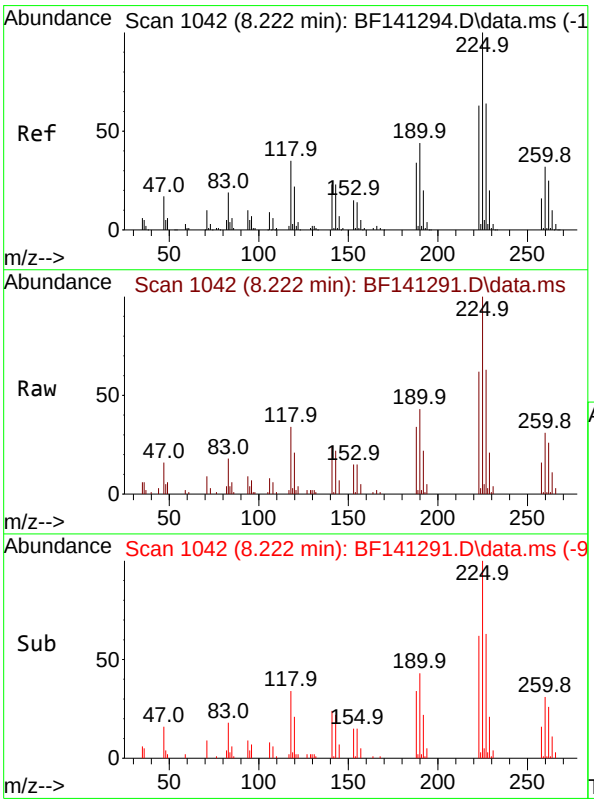
#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

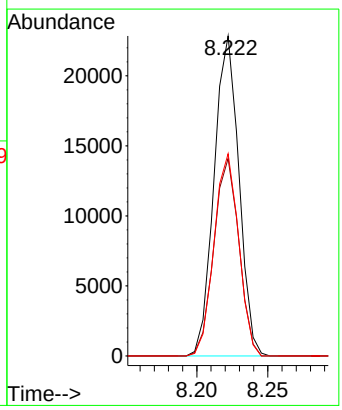


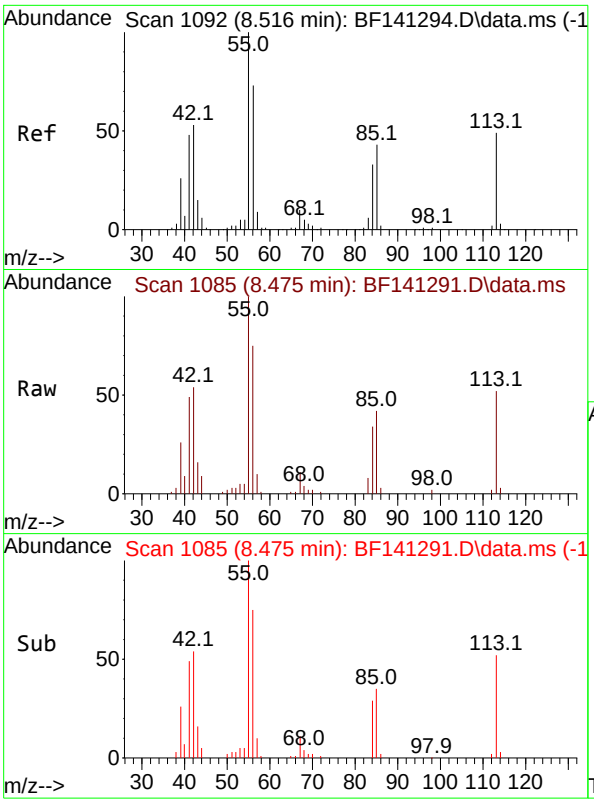


#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



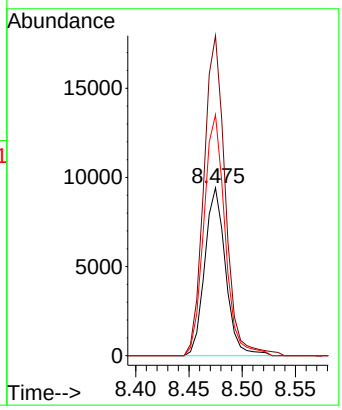


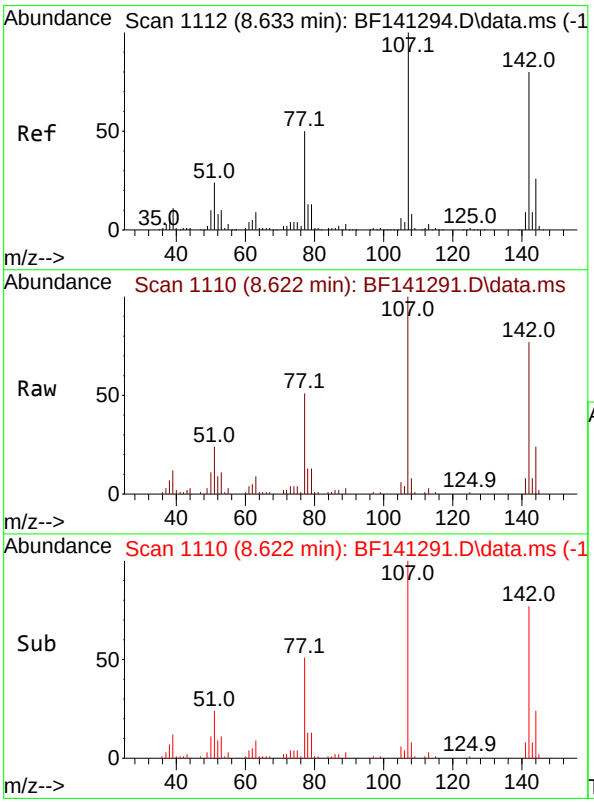
#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

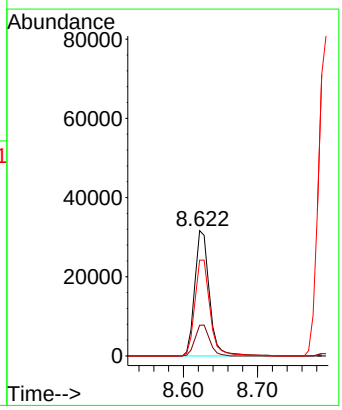


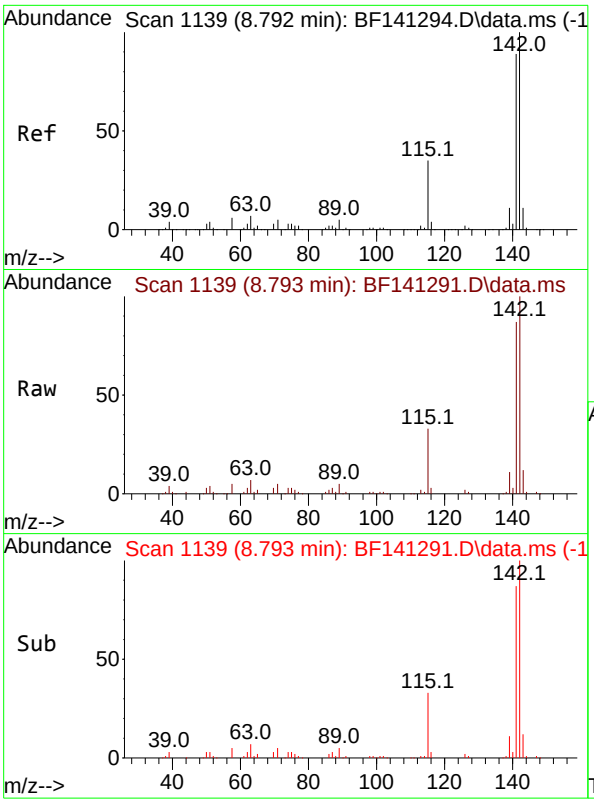


#36
4-Chloro-3-methylphenol
Concen: 5.334 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



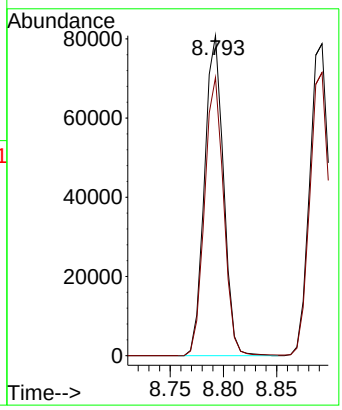


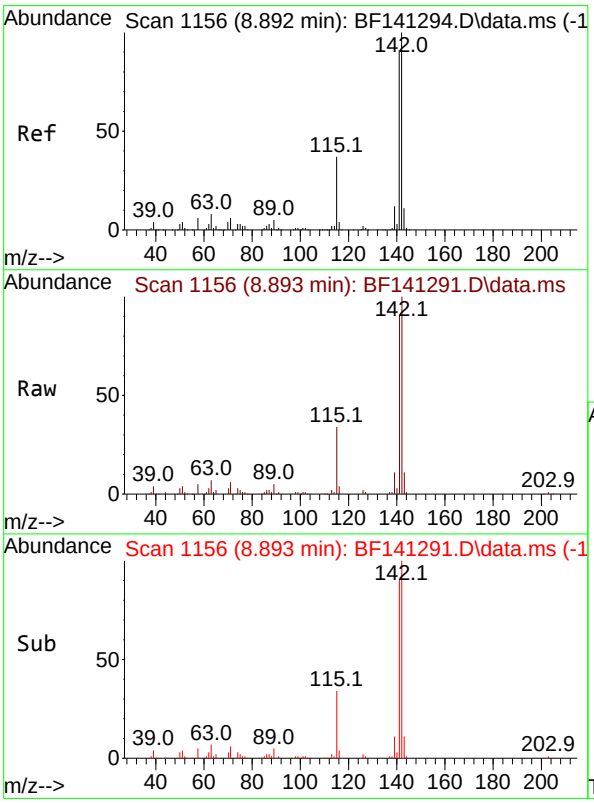
#37
2-Methylnaphthalene
Concen: 5.634 ng
RT: 8.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9

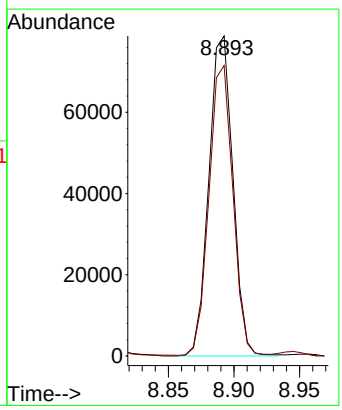


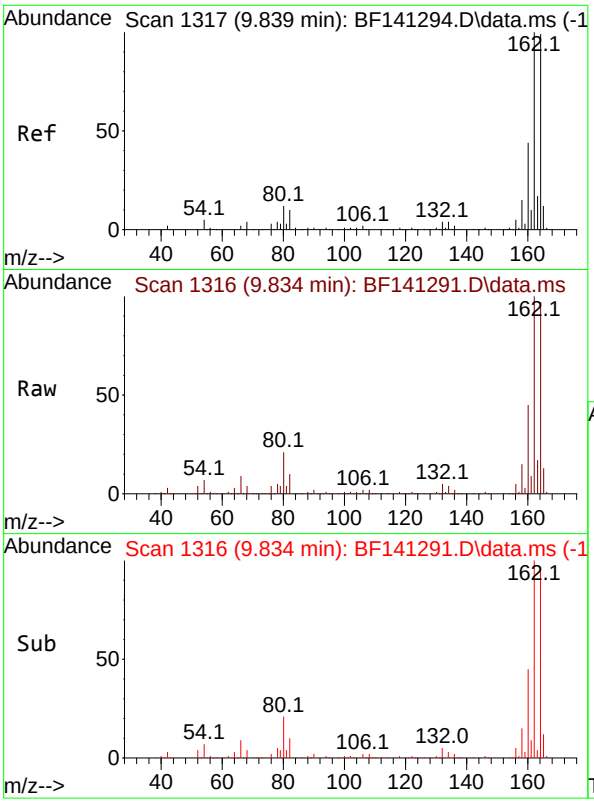


#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 8.893 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:142 Resp: 100569

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.2	109.8



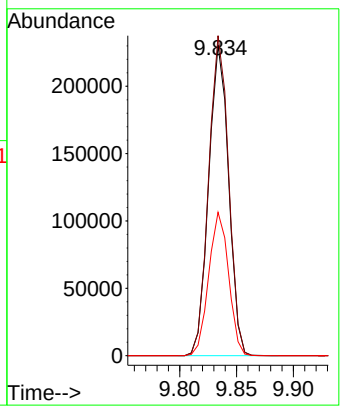


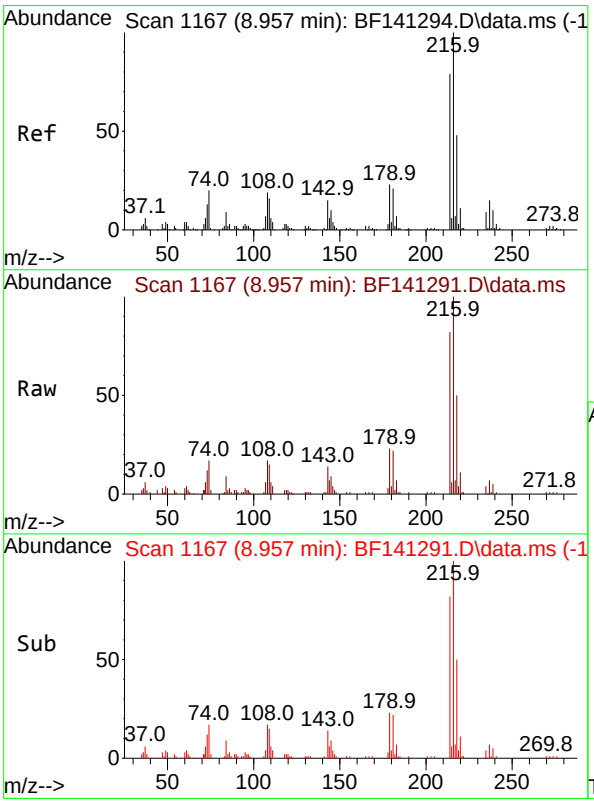
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

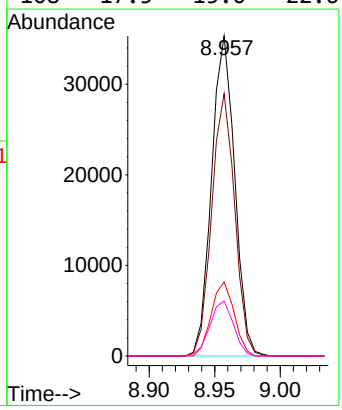


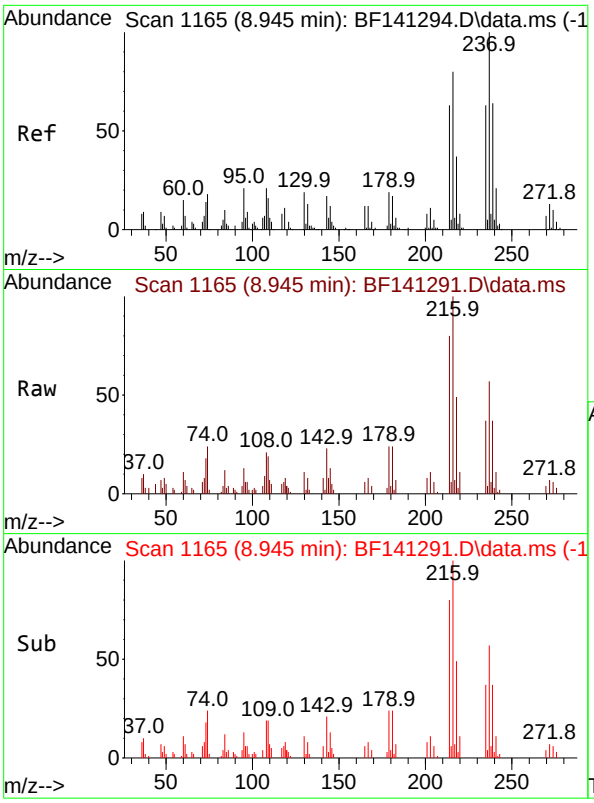


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



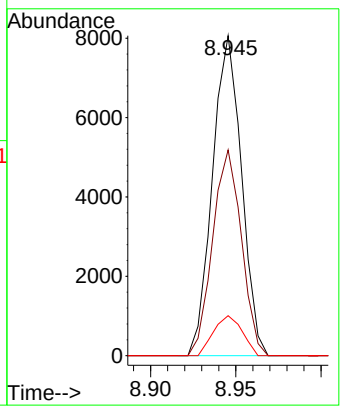


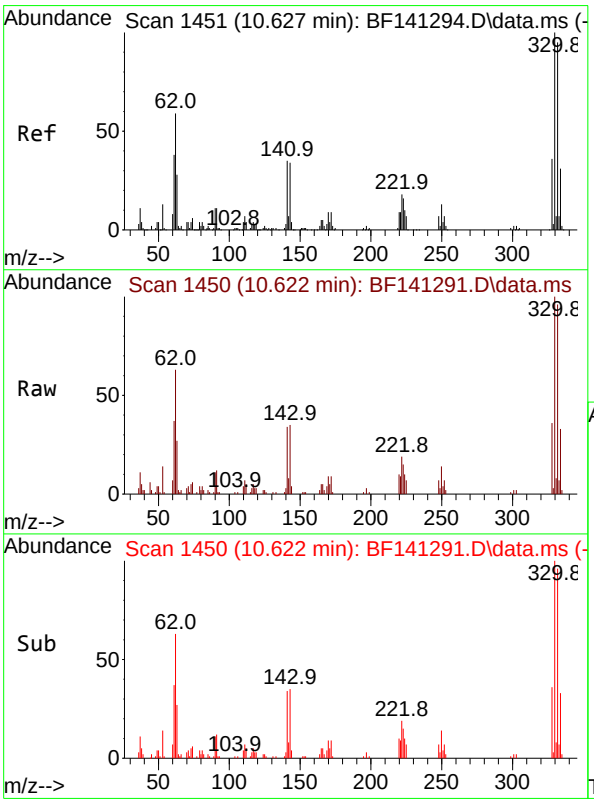
#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

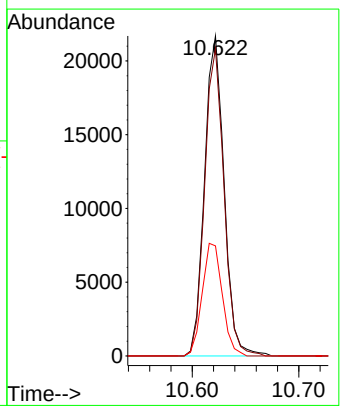


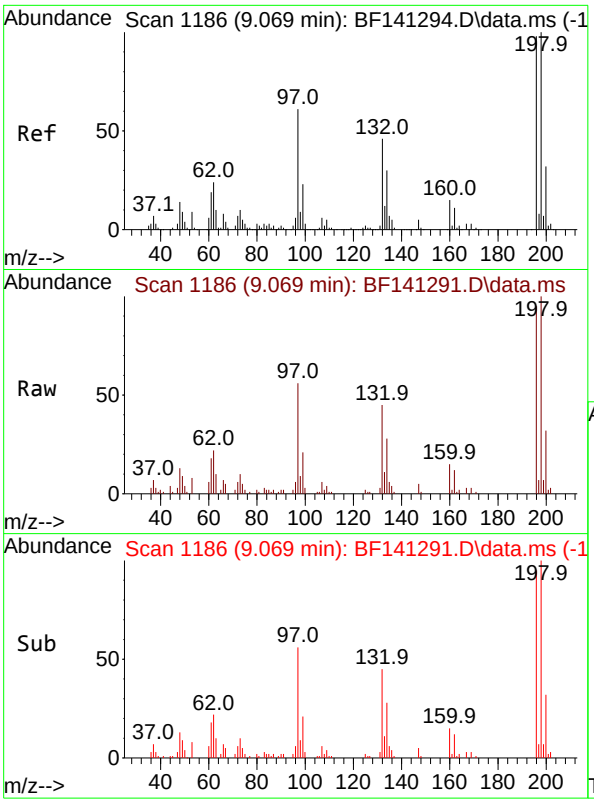


#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



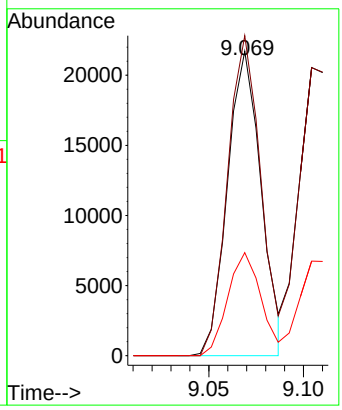


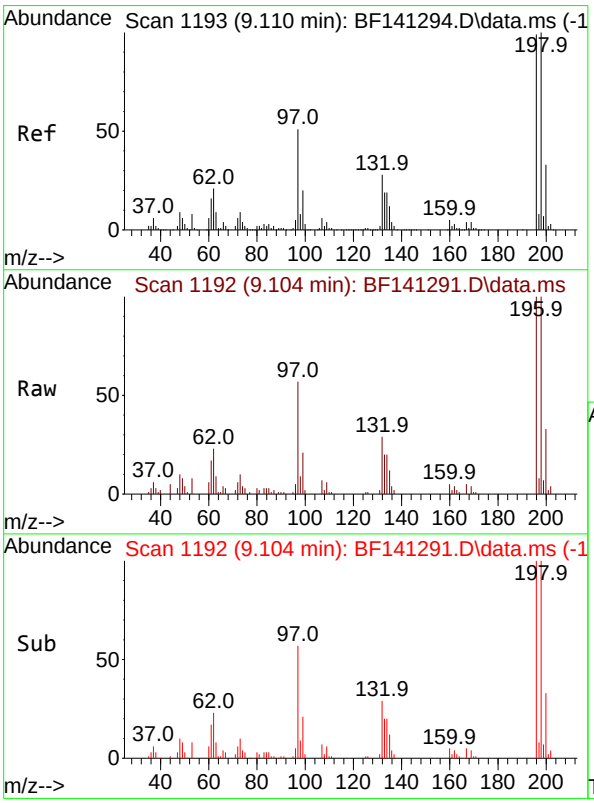
#43
2,4,6-Trichlorophenol
Concen: 5.136 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

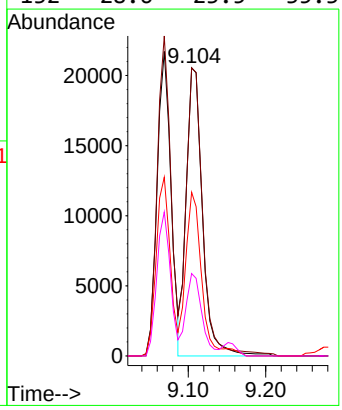


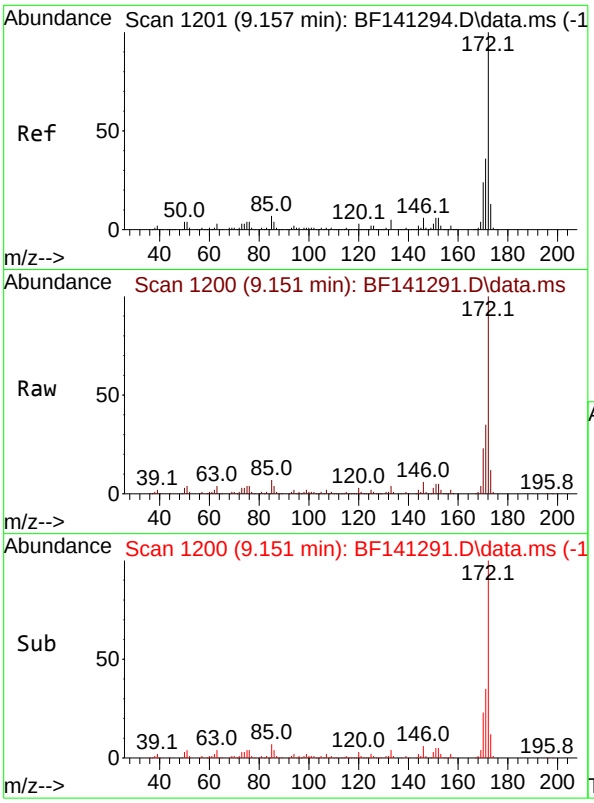


#44
2,4,5-Trichlorophenol
Concen: 5.309 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



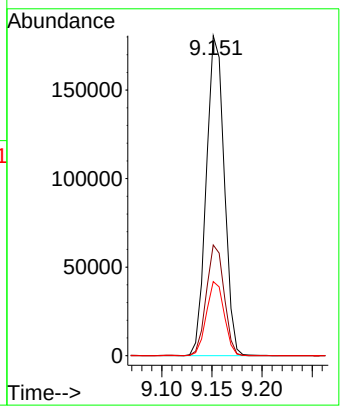


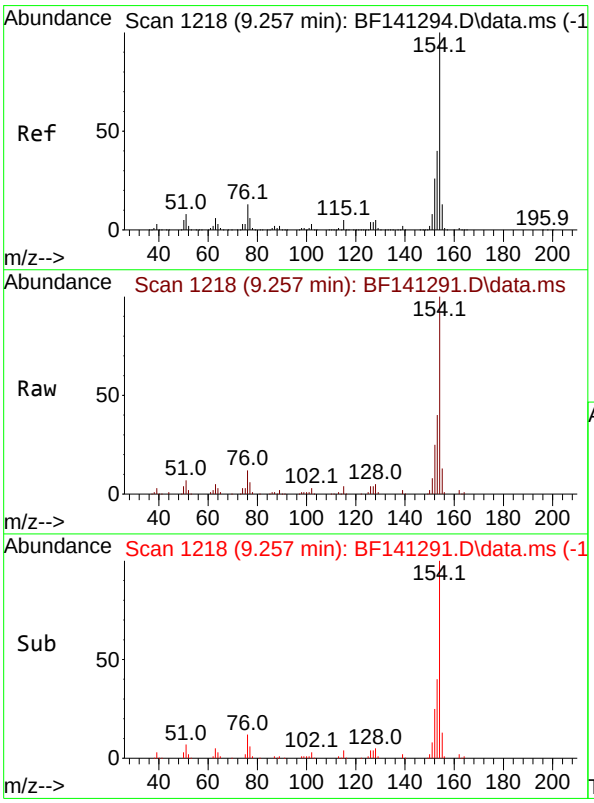
#45
2-Fluorobiphenyl
Concen: 12.320 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

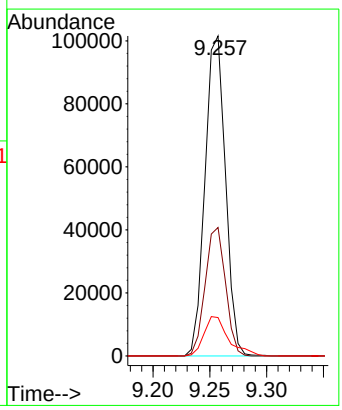


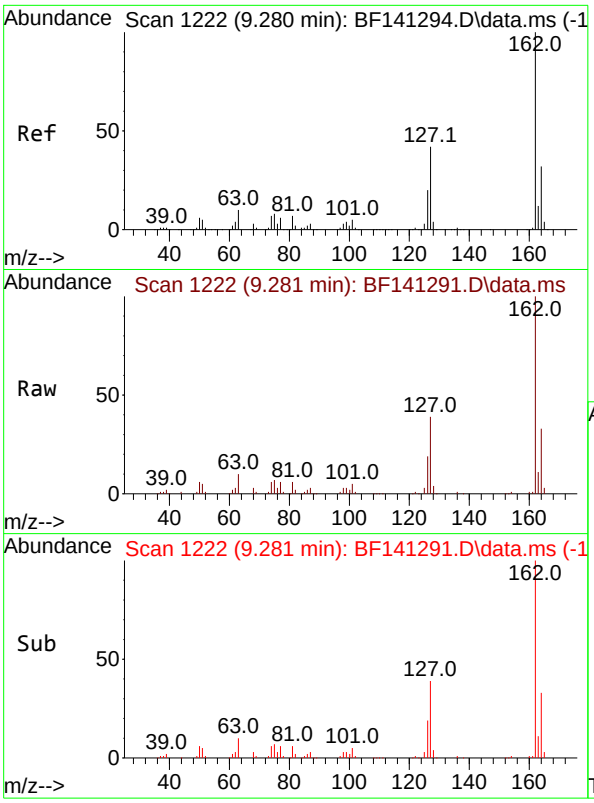


#46
1,1'-Biphenyl
Concen: 5.801 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



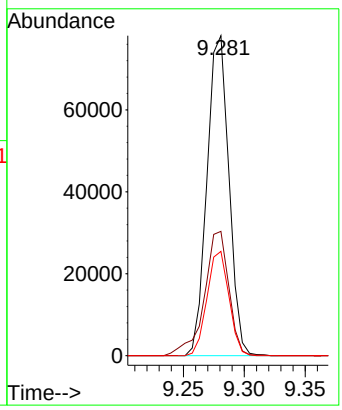


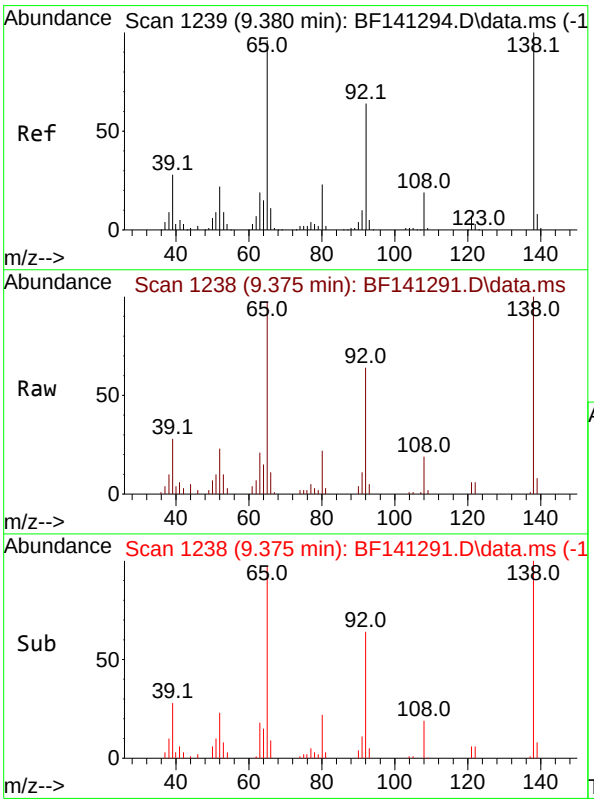
#47
2-Chloronaphthalene
Concen: 5.760 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

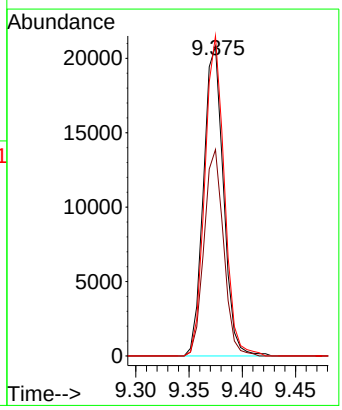


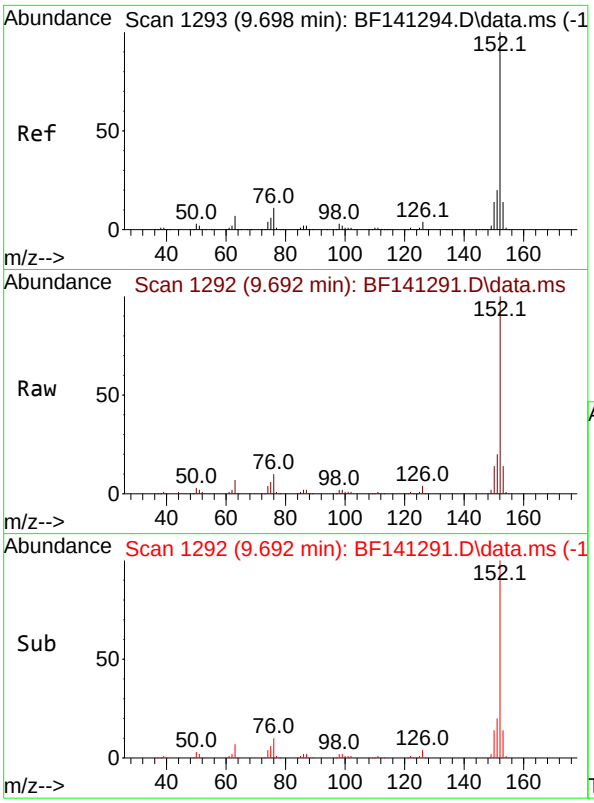


#48
2-Nitroaniline
Concen: 5.056 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



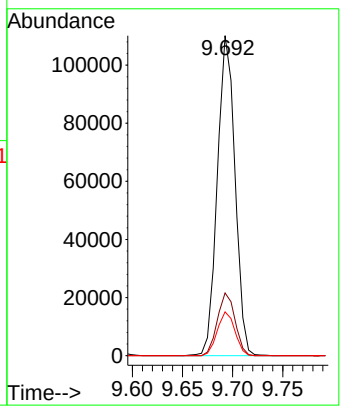


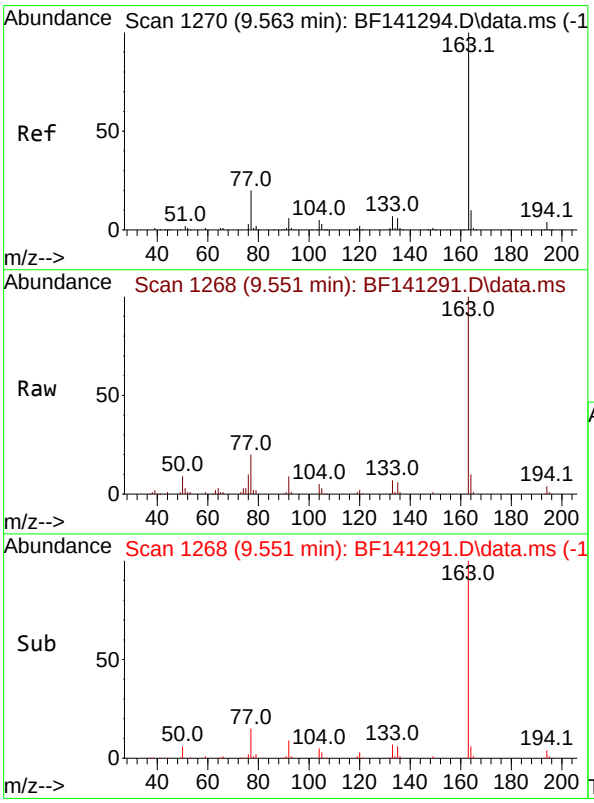
#49
Acenaphthylene
Concen: 5.643 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

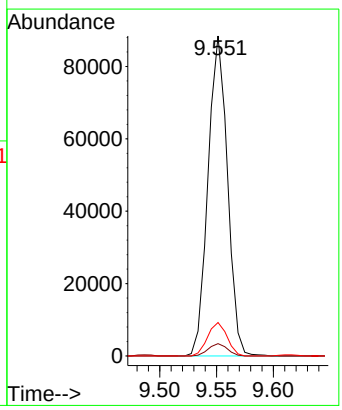


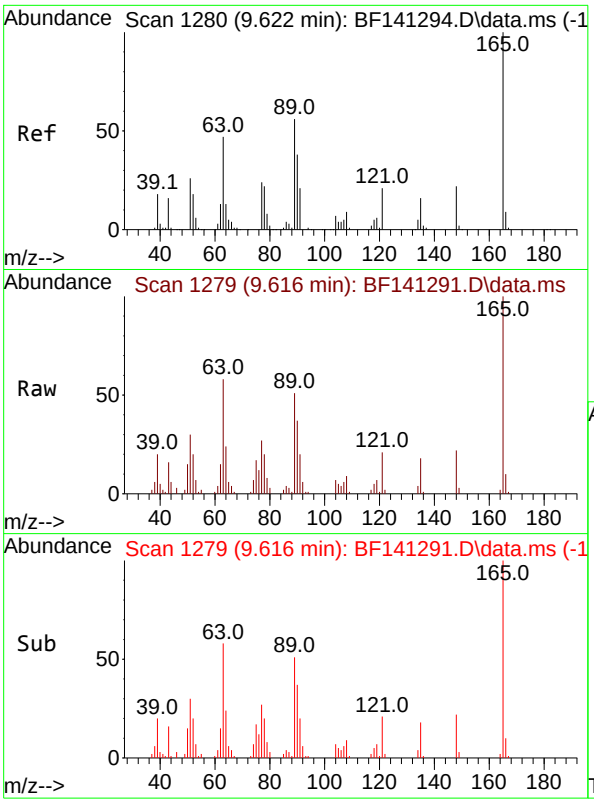


#50
Dimethylphthalate
Concen: 5.584 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



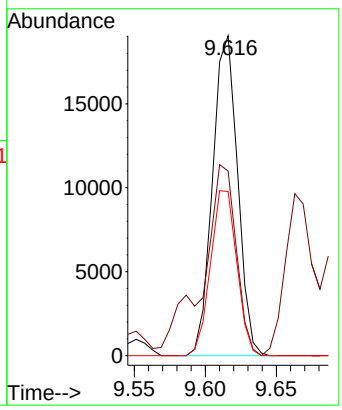


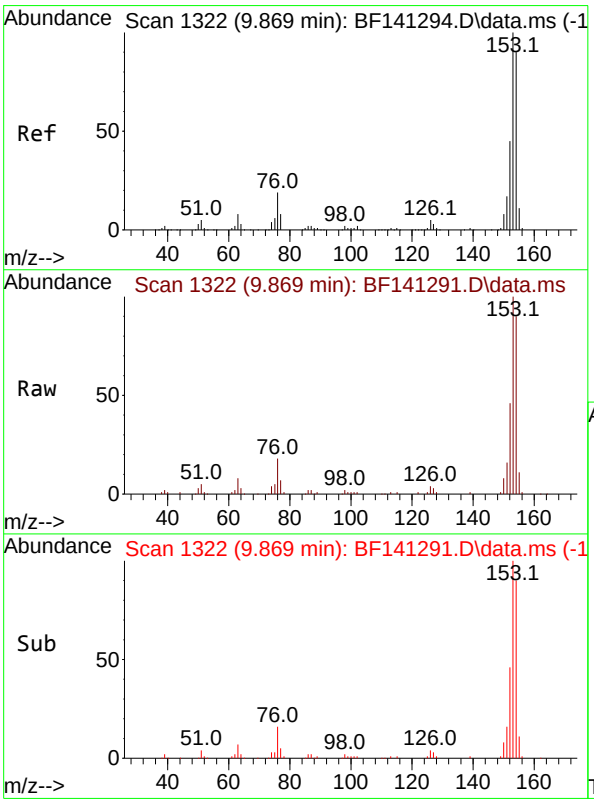
#51
2,6-Dinitrotoluene
Concen: 5.329 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

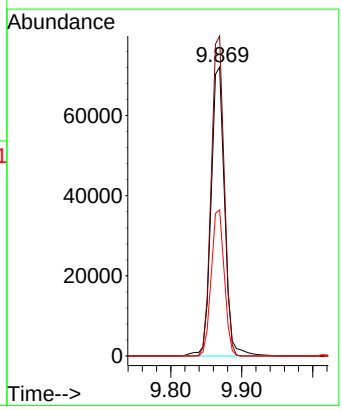


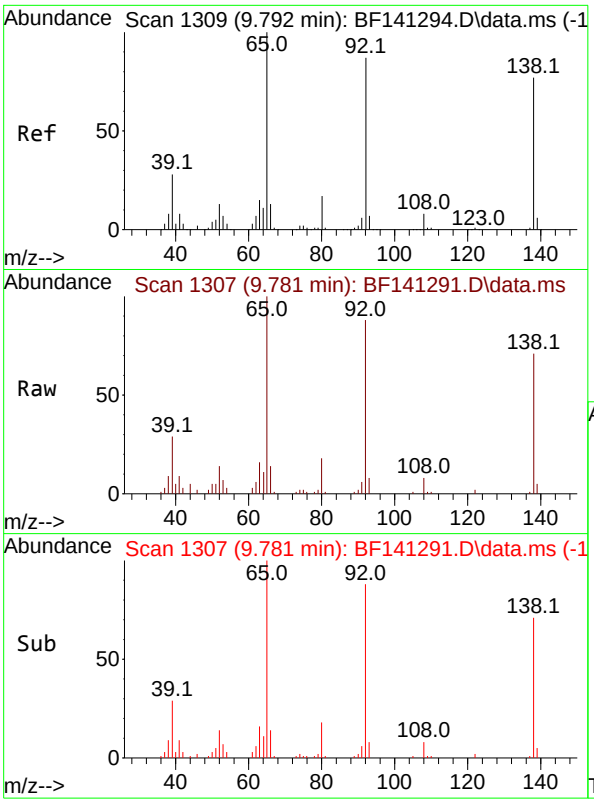


#52
Acenaphthene
Concen: 5.617 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



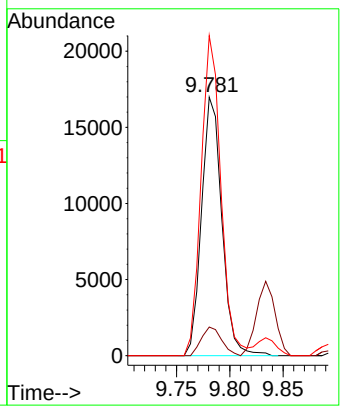


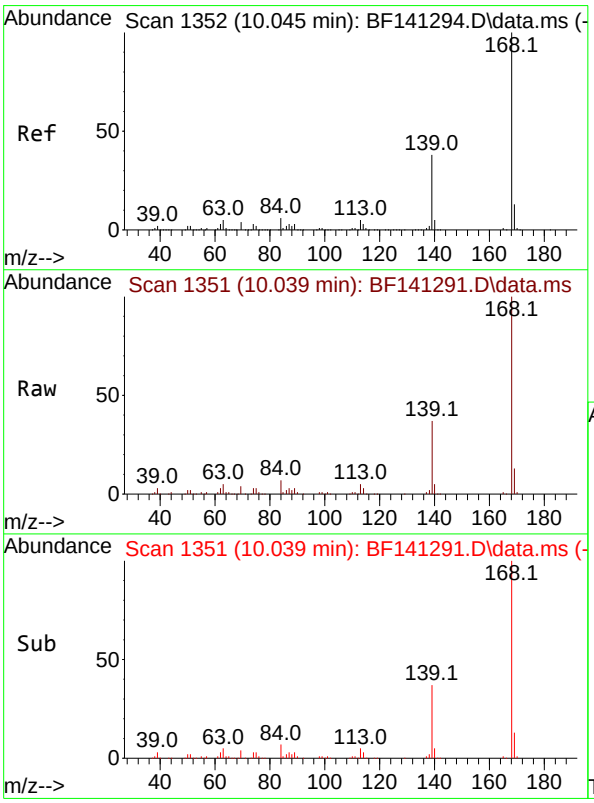
#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

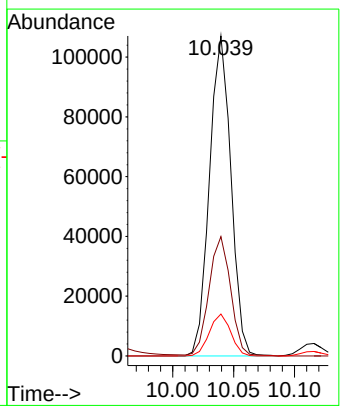


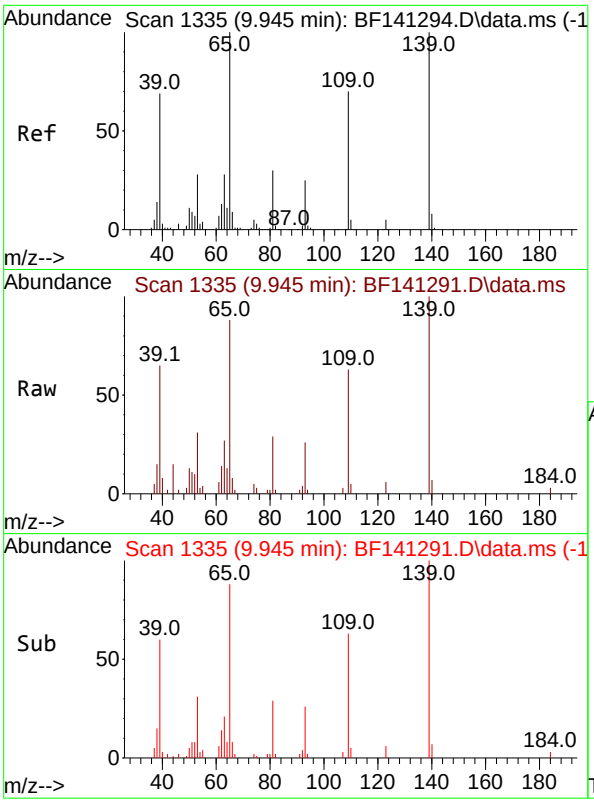


#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



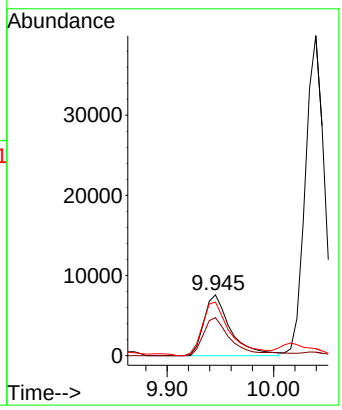


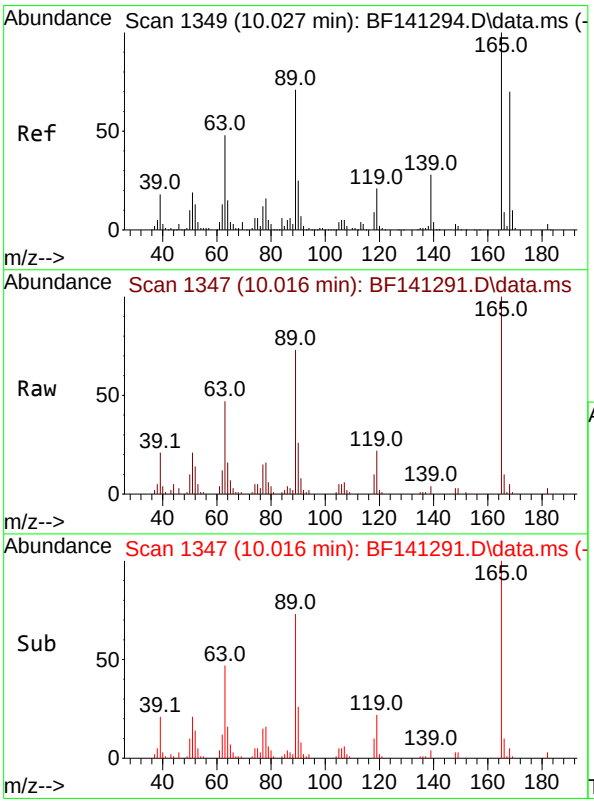
#56
4-Nitrophenol
Concen: 4.226 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

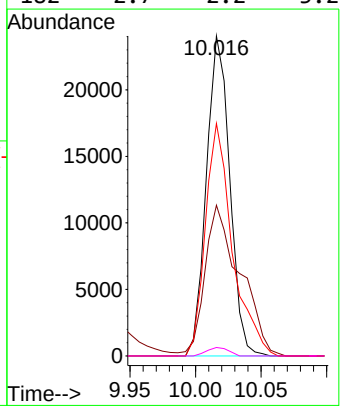


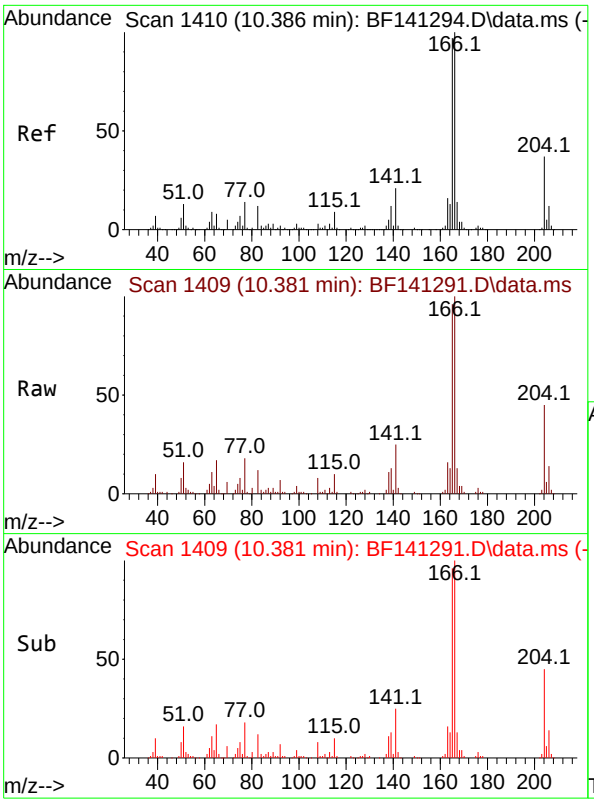


#57
2,4-Dinitrotoluene
Concen: 5.268 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



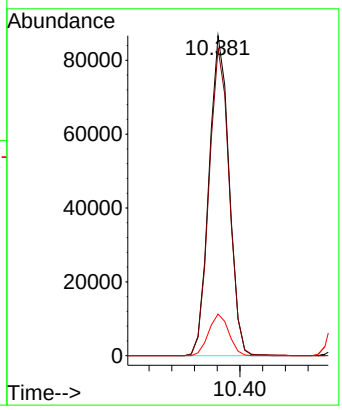


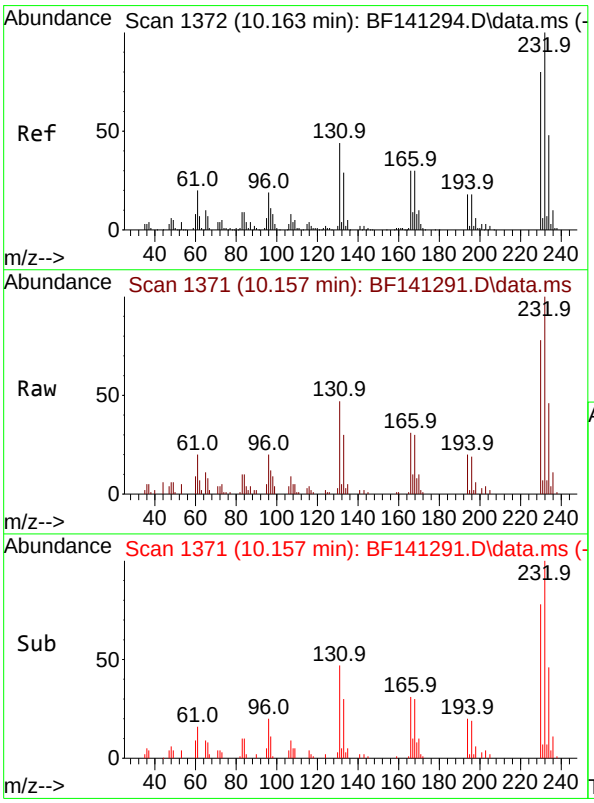
#58
Fluorene
Concen: 6.002 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

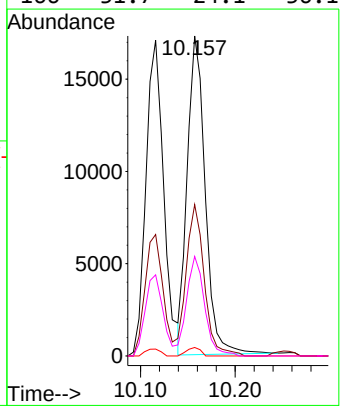


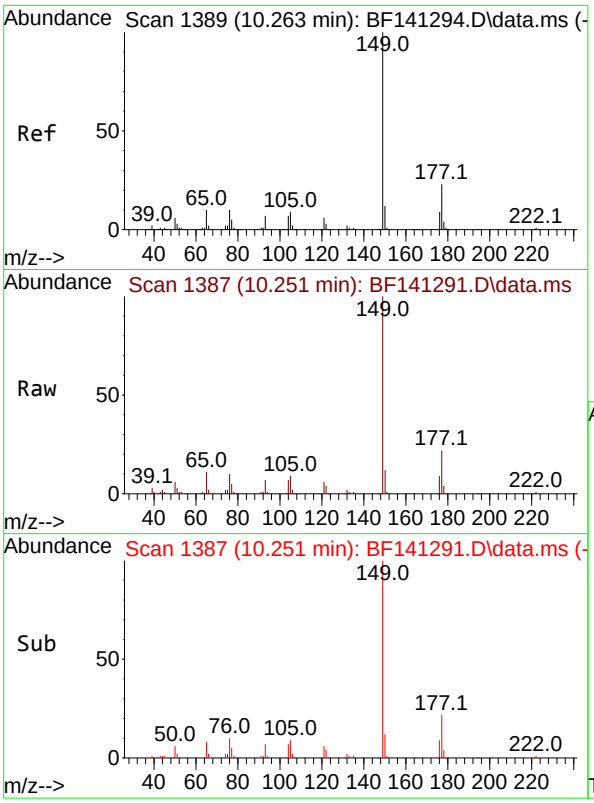


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



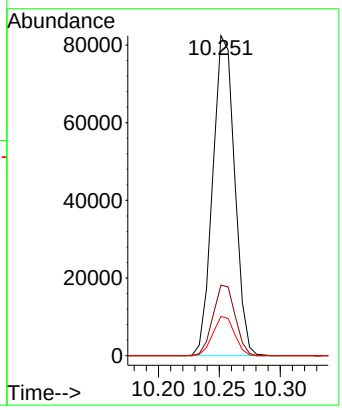


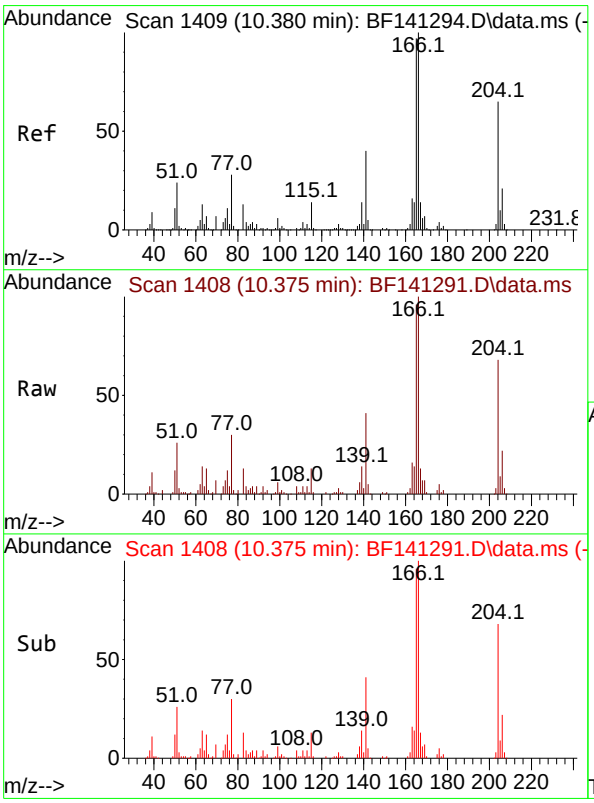
#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

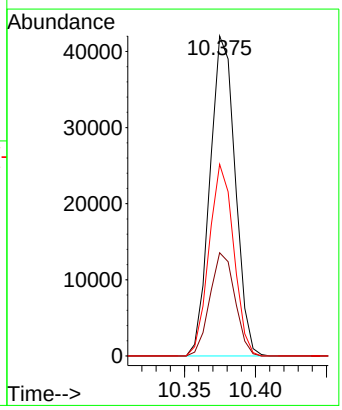


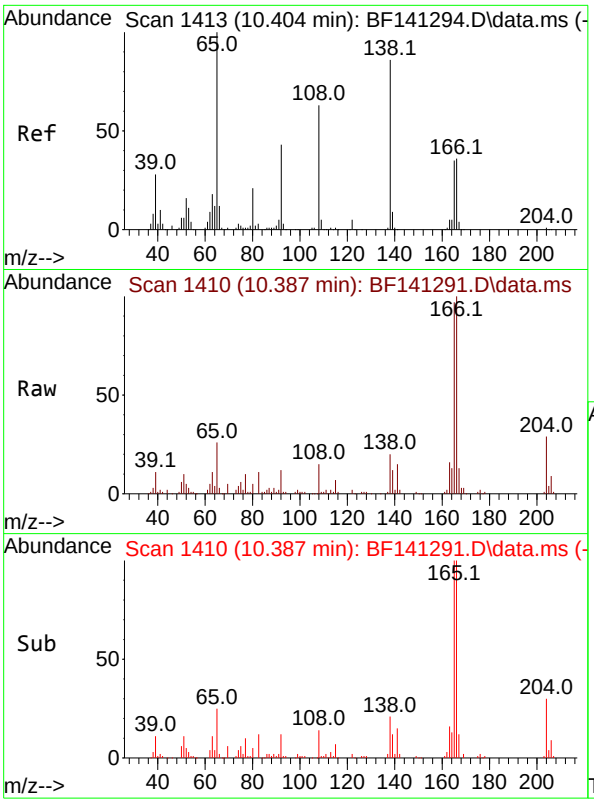


#61
4-Chlorophenyl-phenylether
Concen: 6.007 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



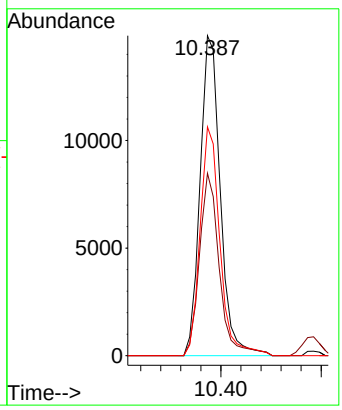


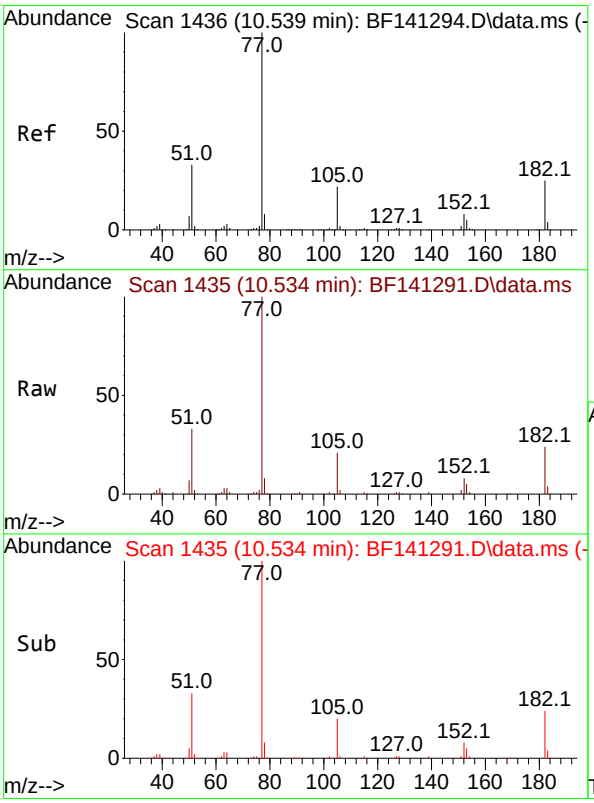
#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

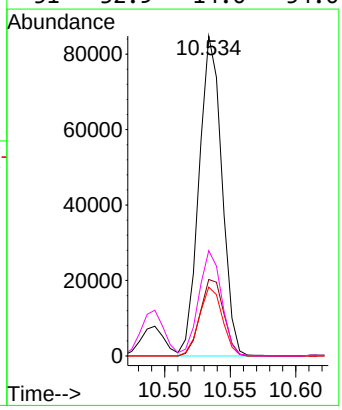


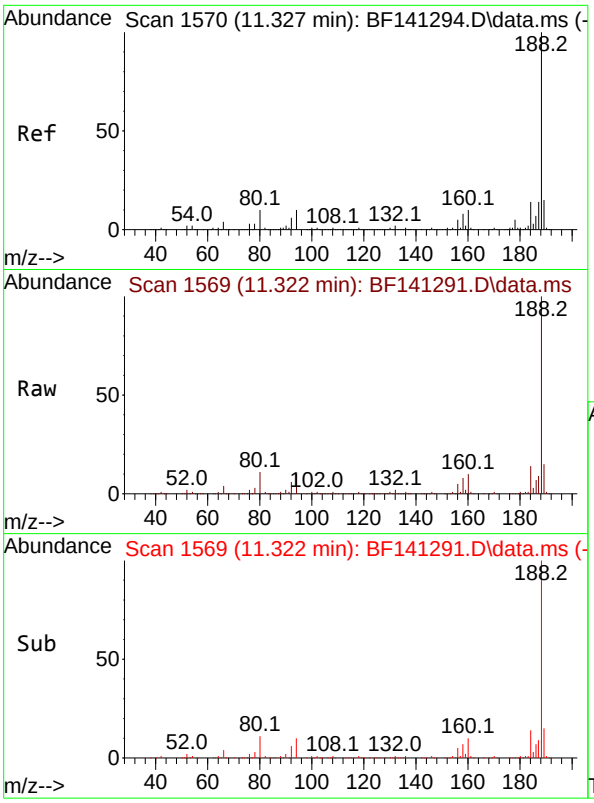


#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



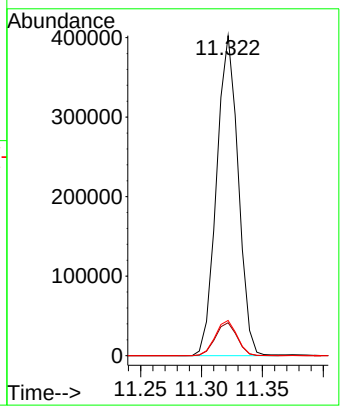


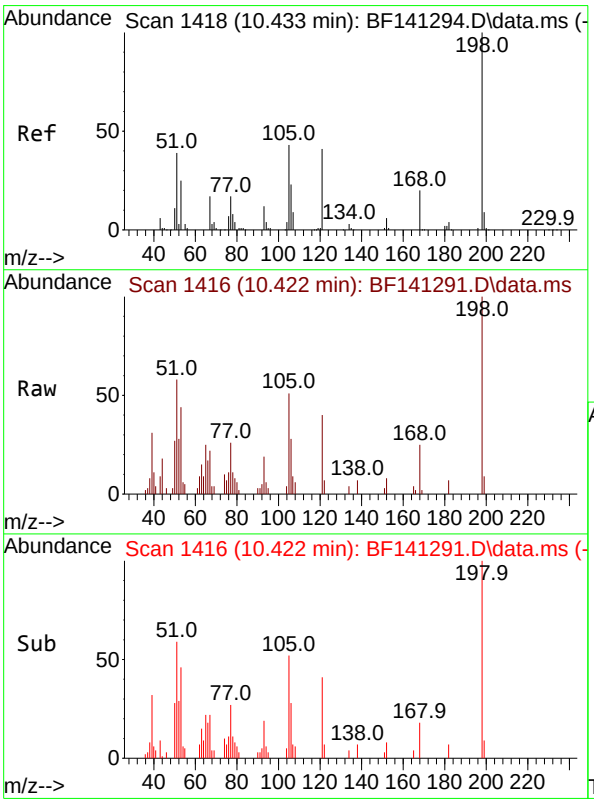
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

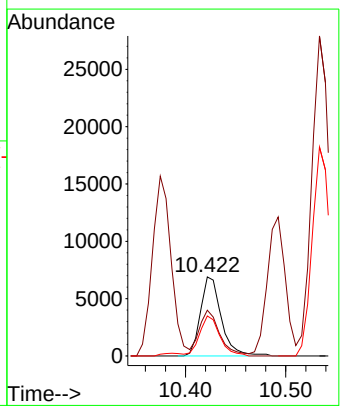


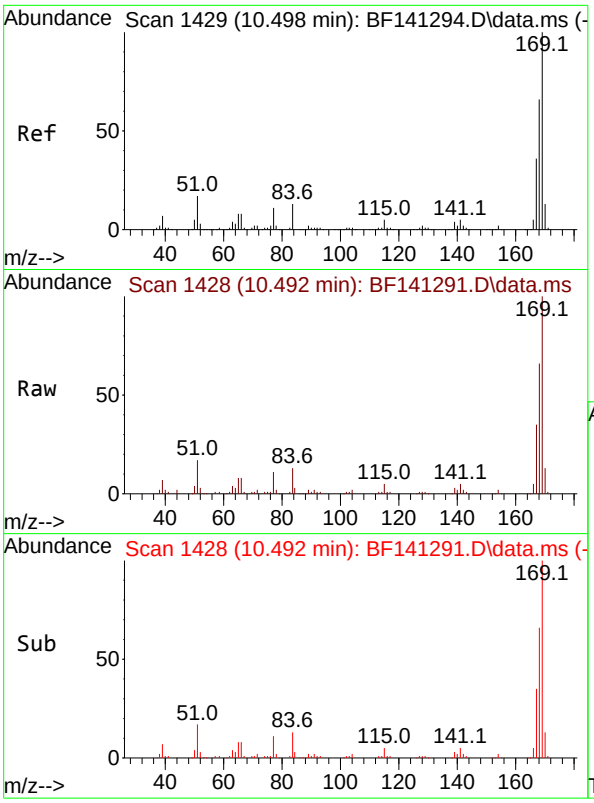


#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



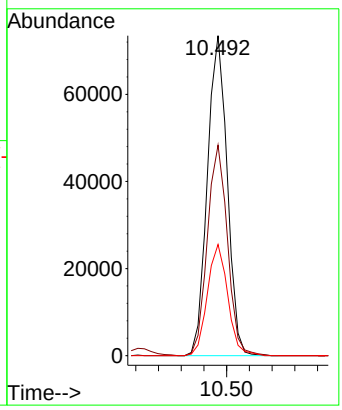


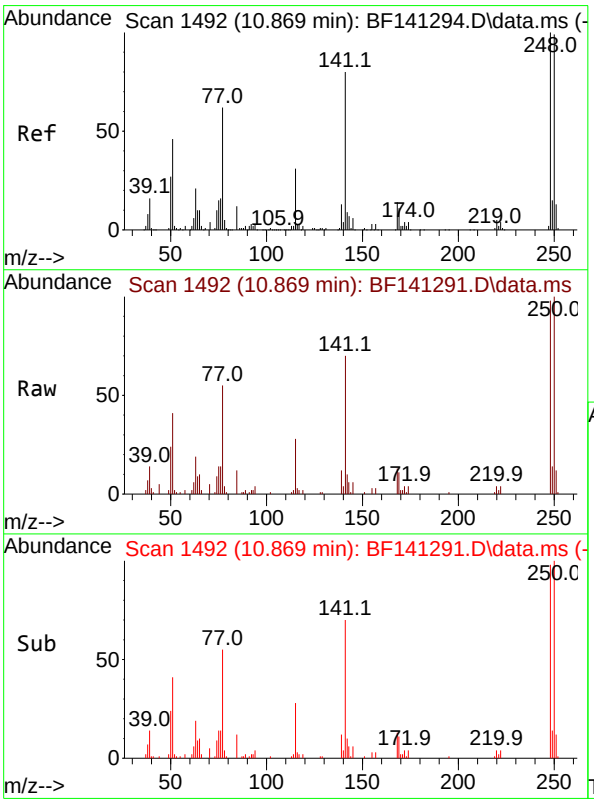
#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

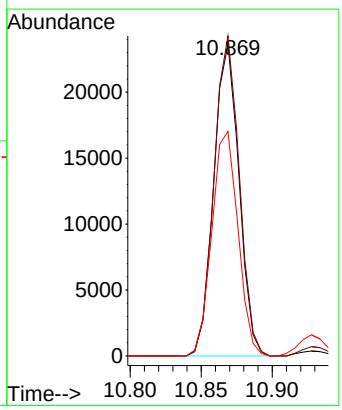


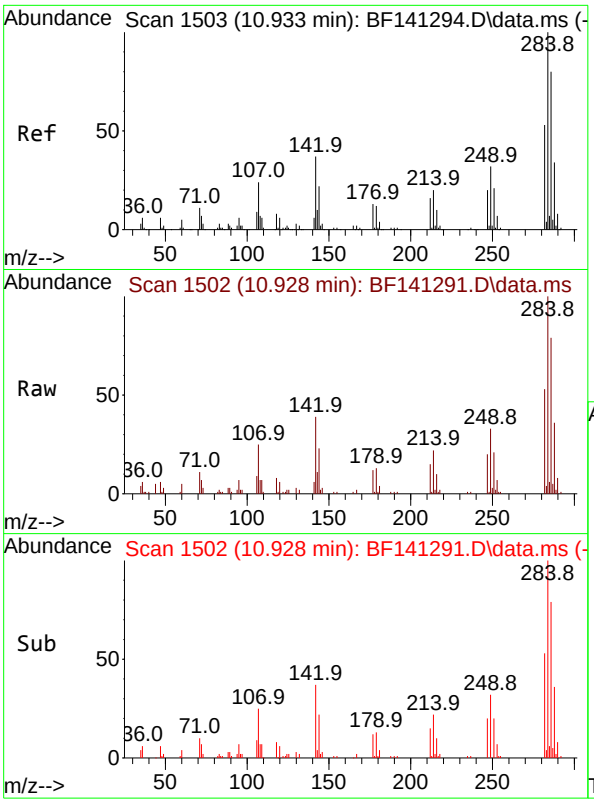


#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



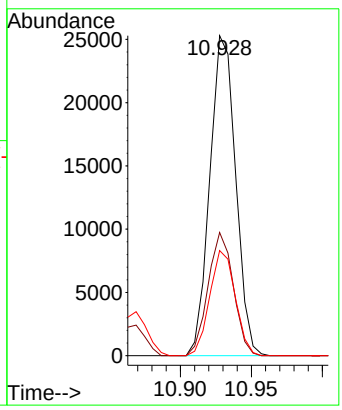


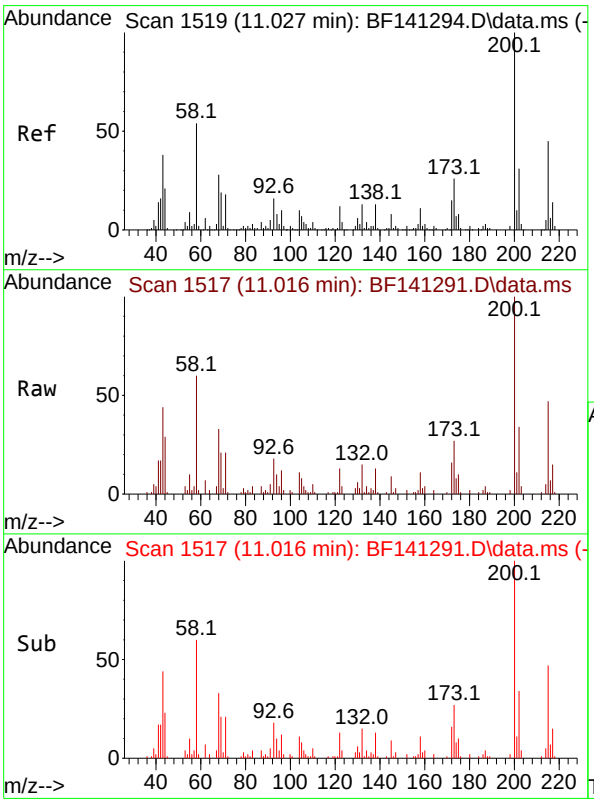
#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

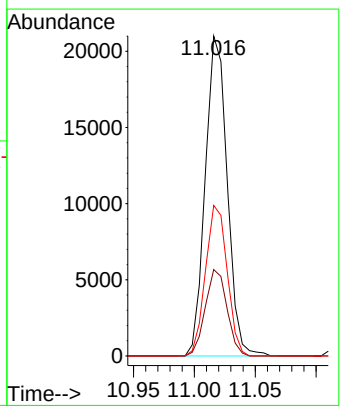


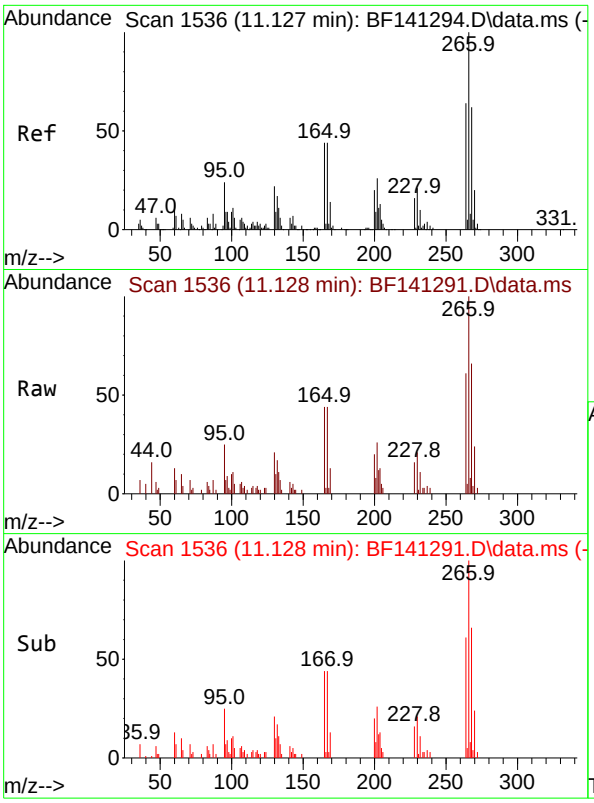


#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



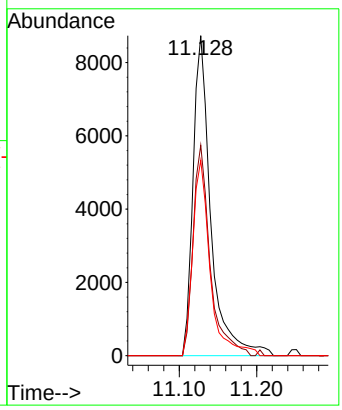


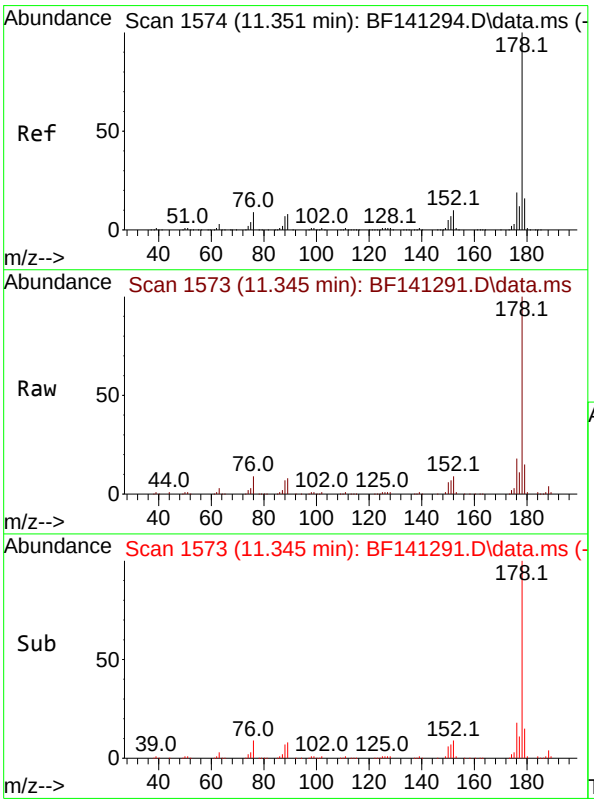
#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

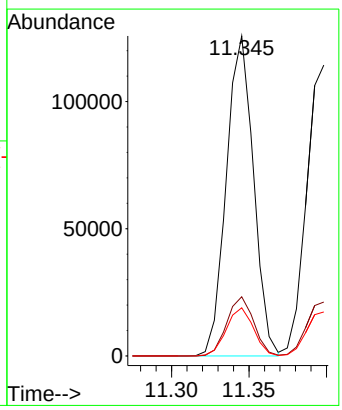


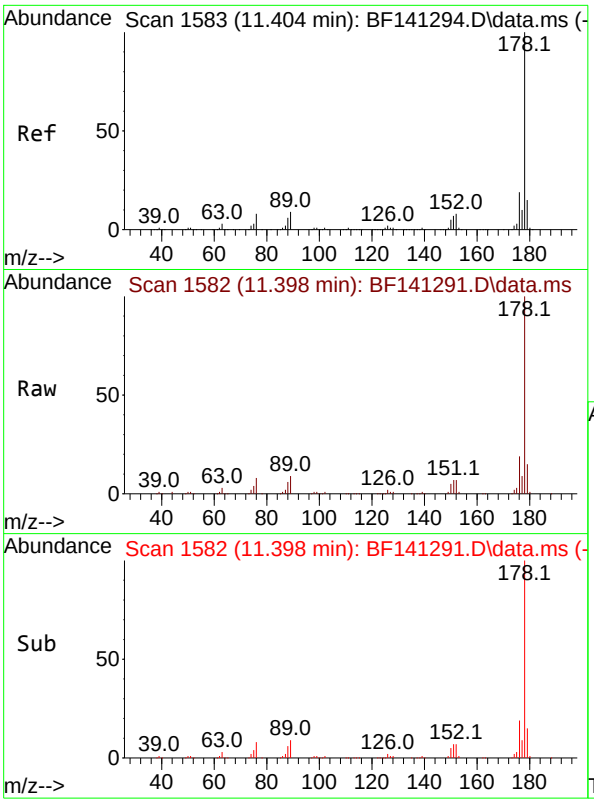


#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



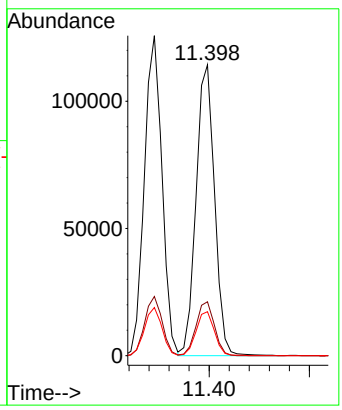


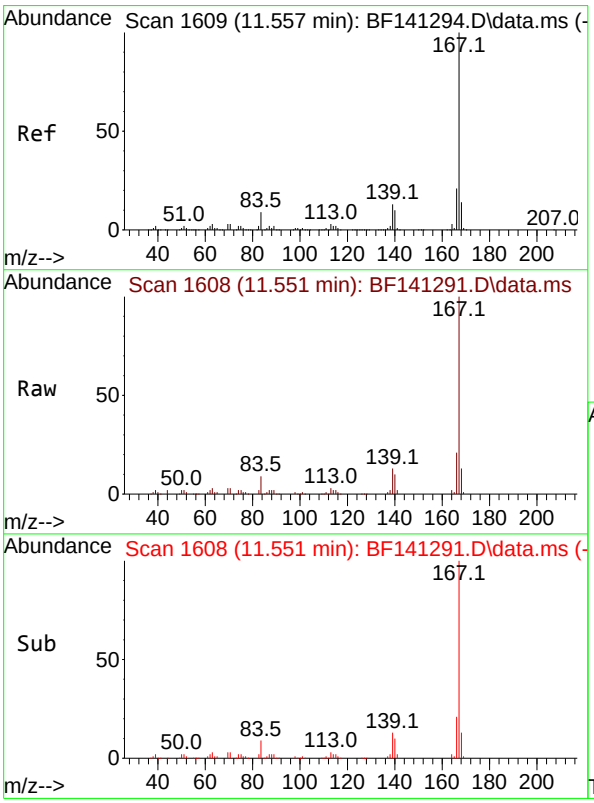
#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

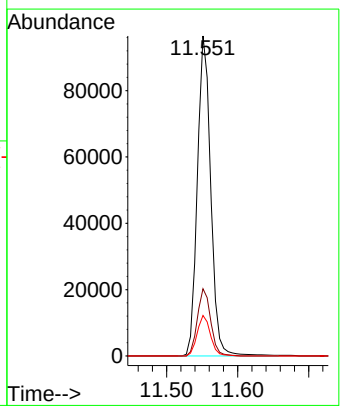


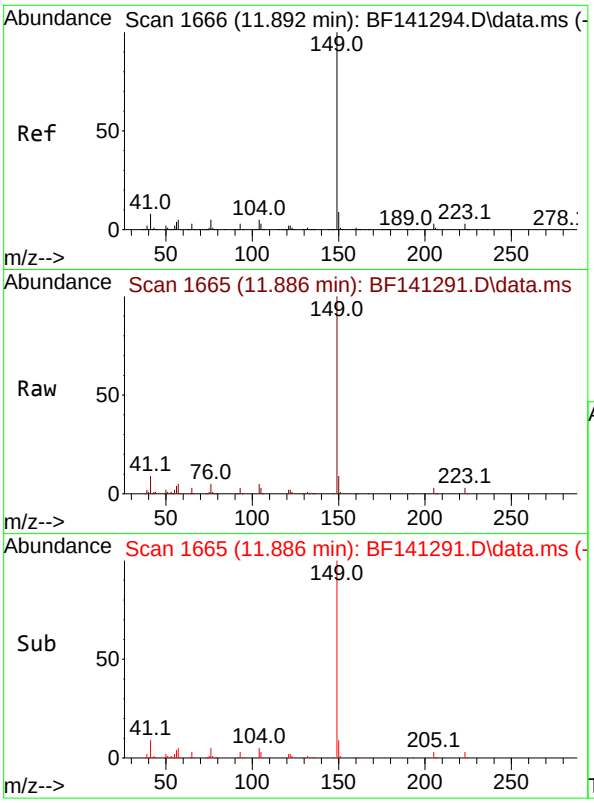


#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



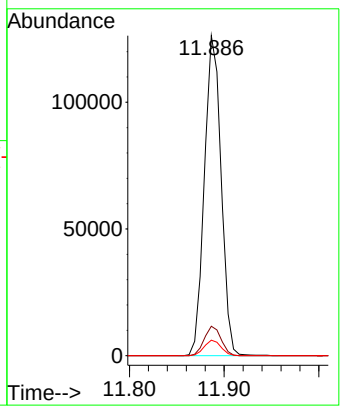


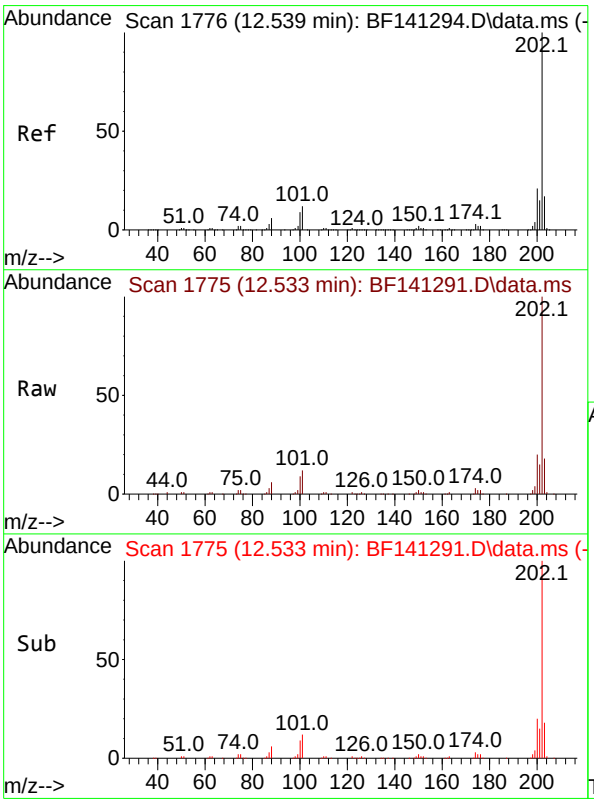
#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

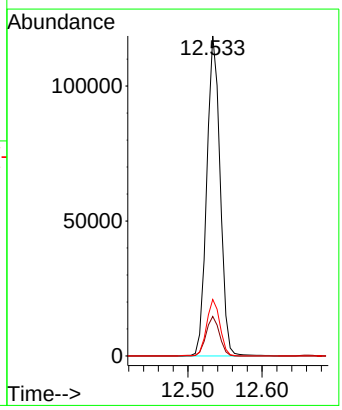


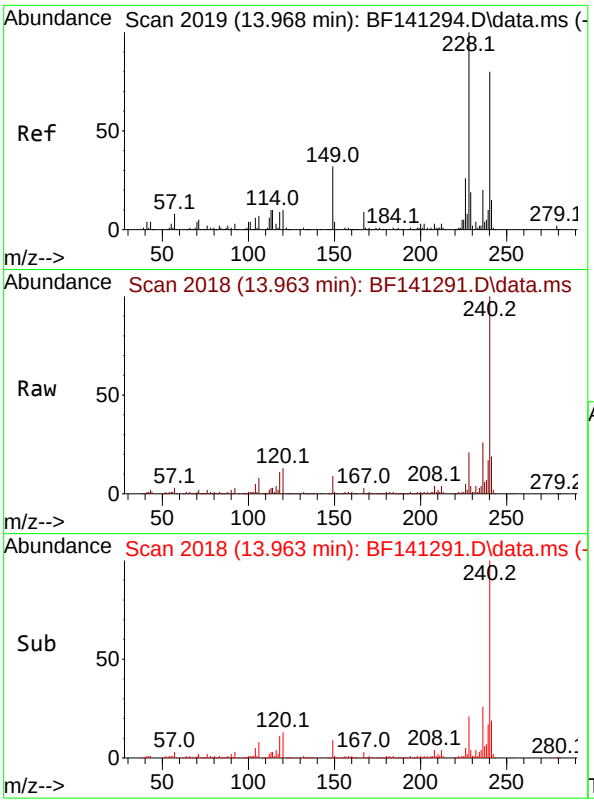


#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



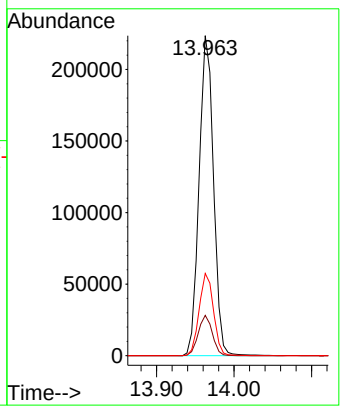


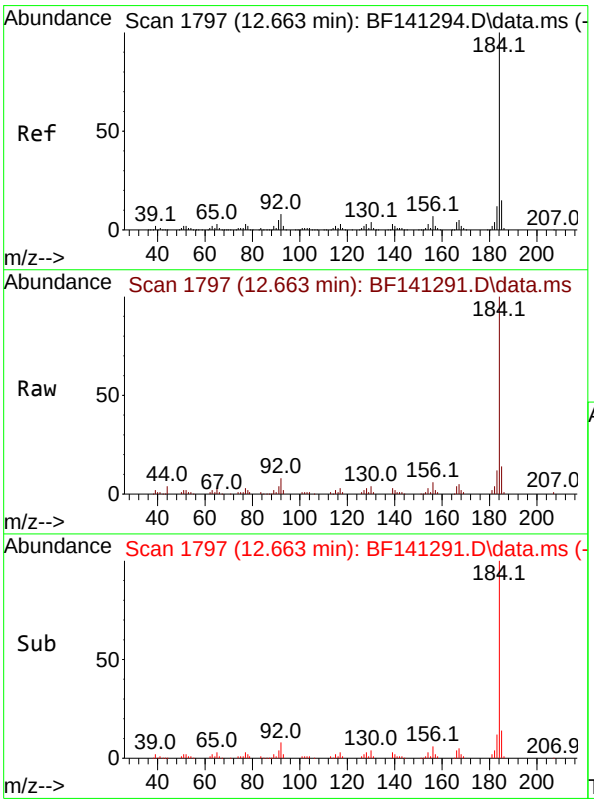
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

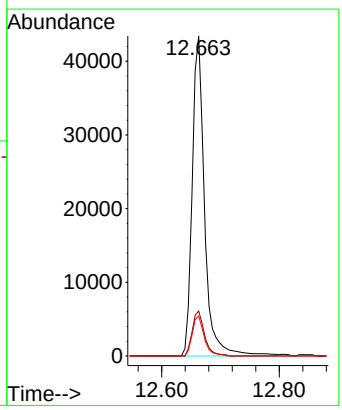


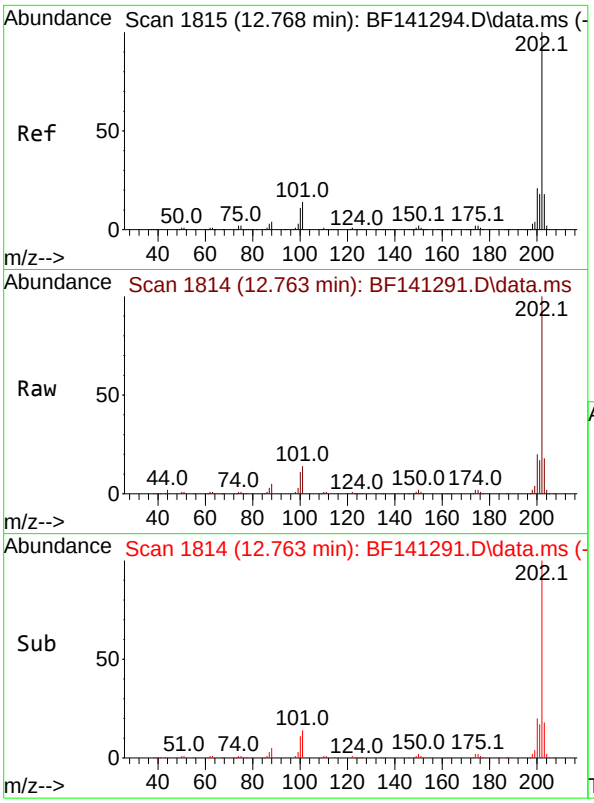


#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



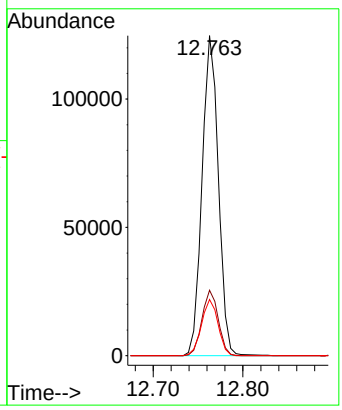


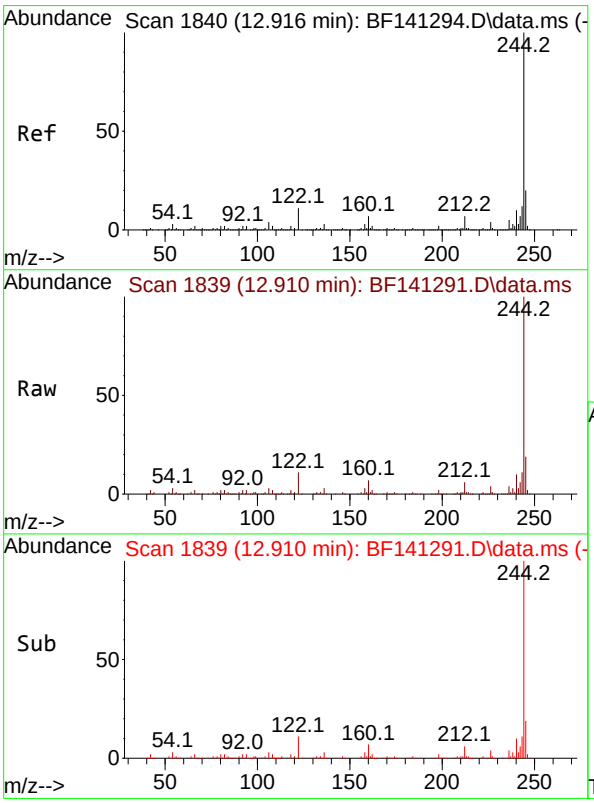
#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

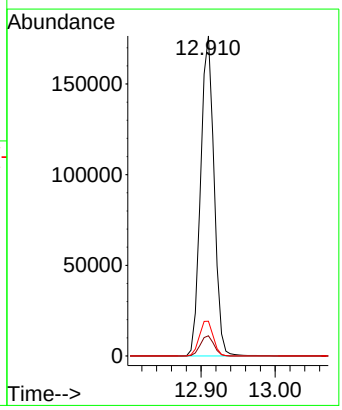


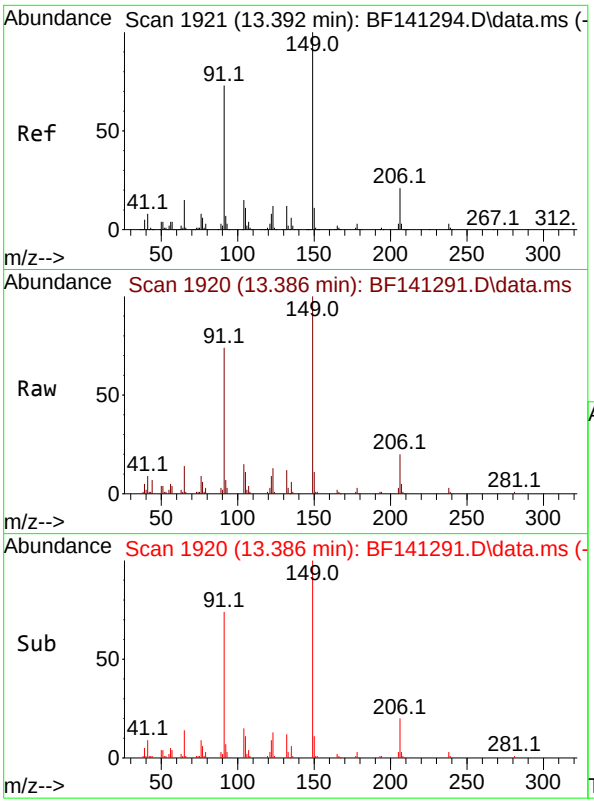


#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



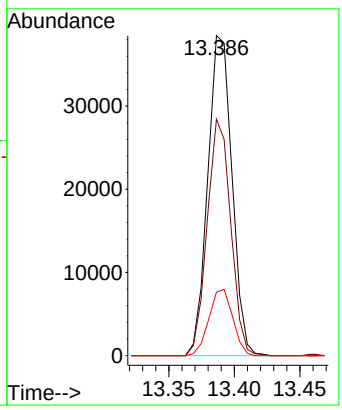


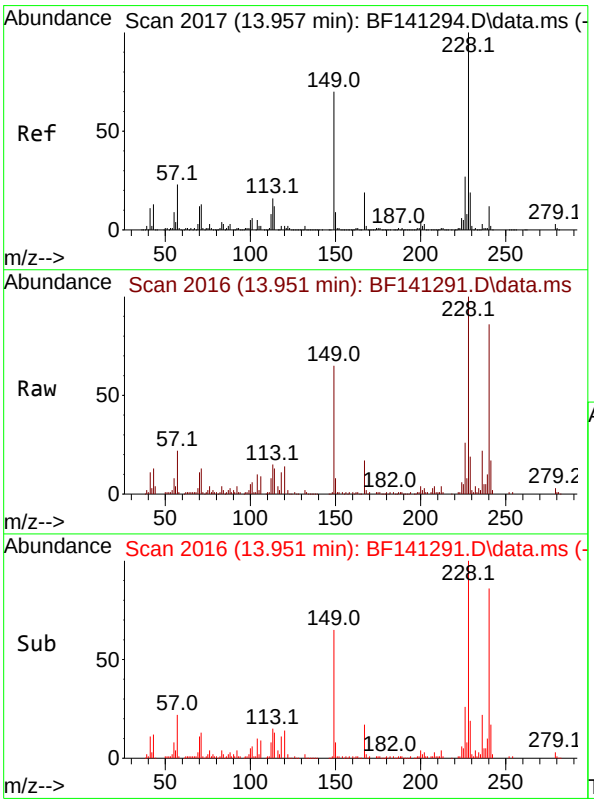
#80
Butylbenzylphthalate
Concen: 5.140 ng
RT: 13.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

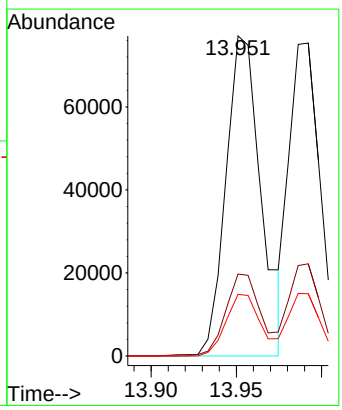


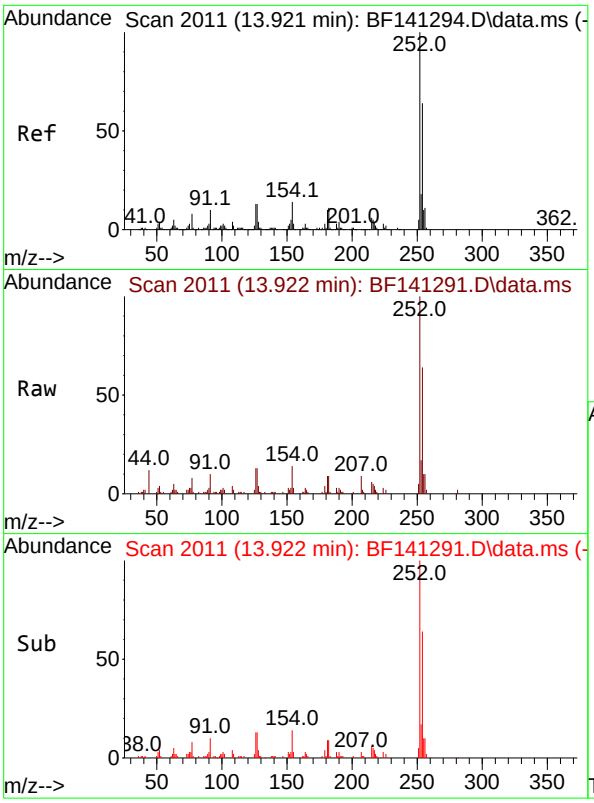


#81
Benzo(a)anthracene
Concen: 5.588 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



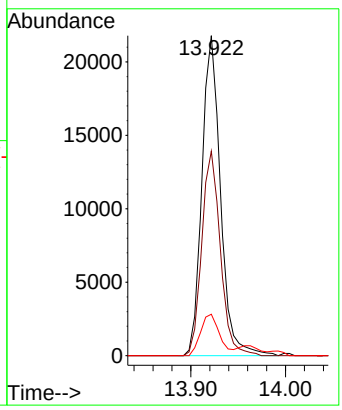


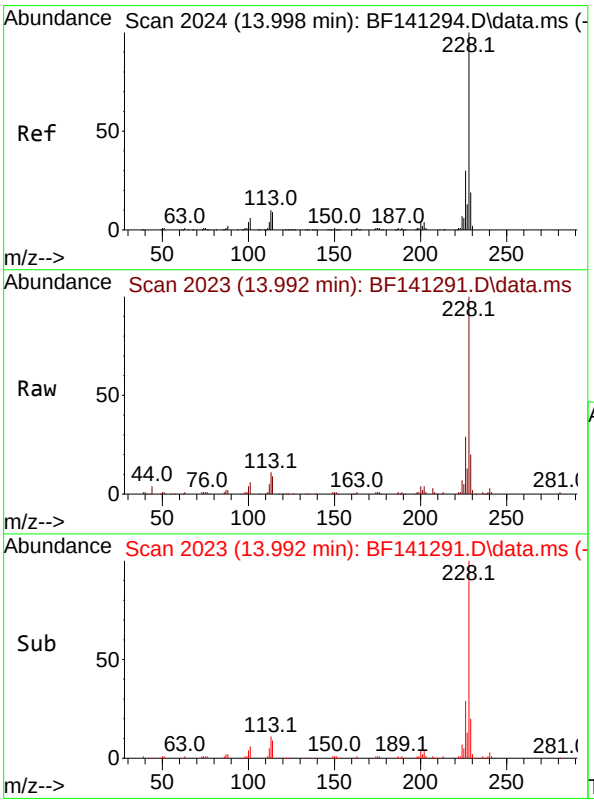
#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

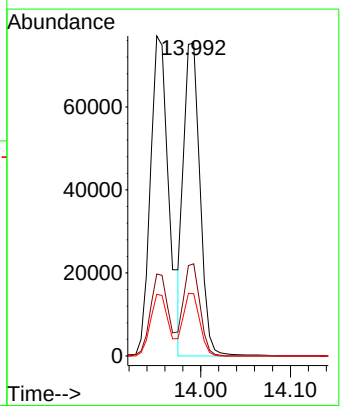


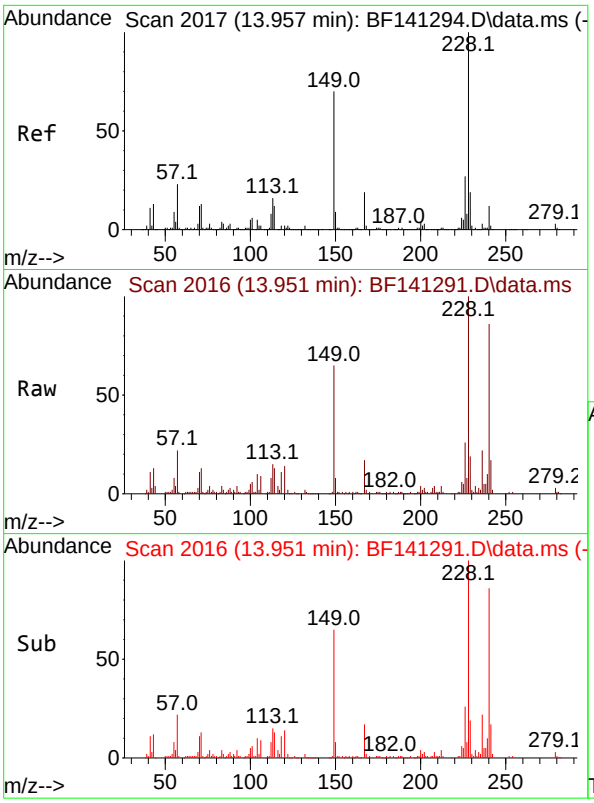


#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



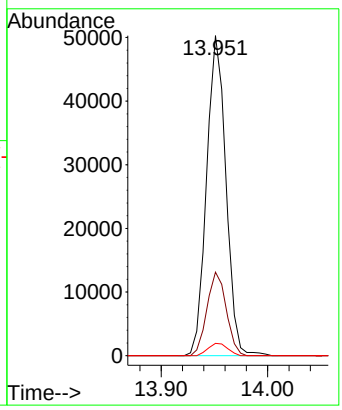


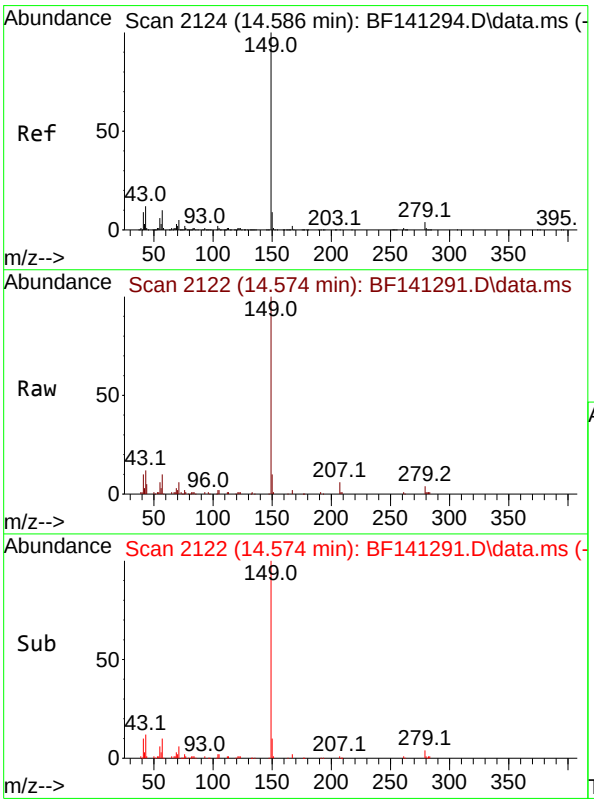
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

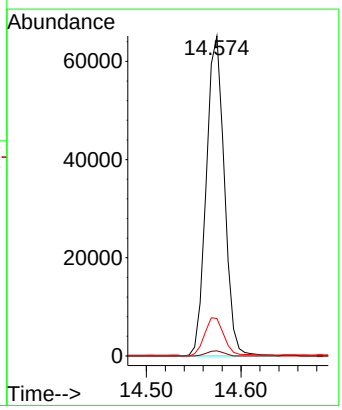


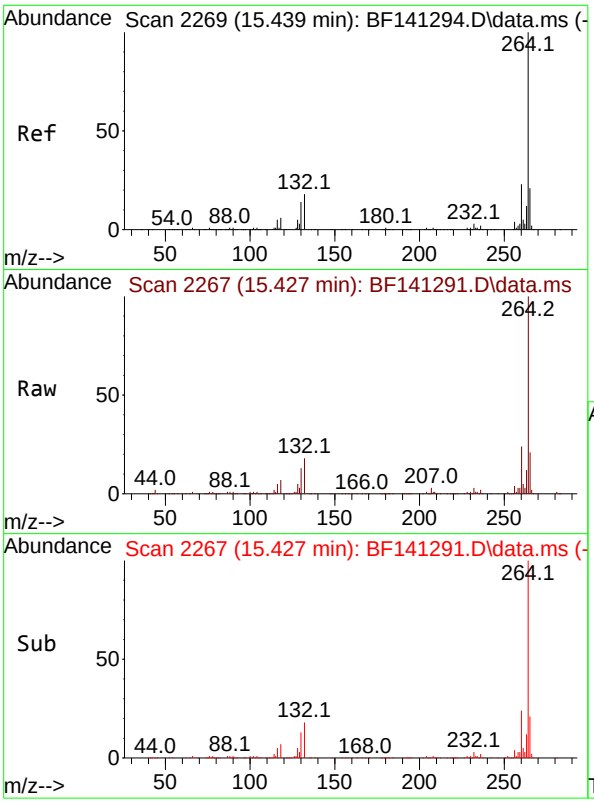


#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



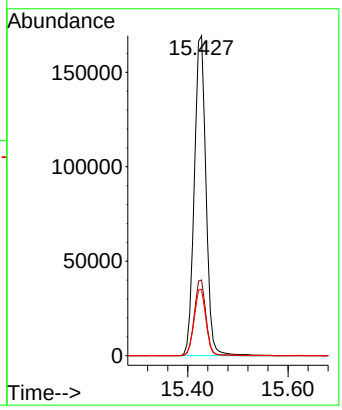


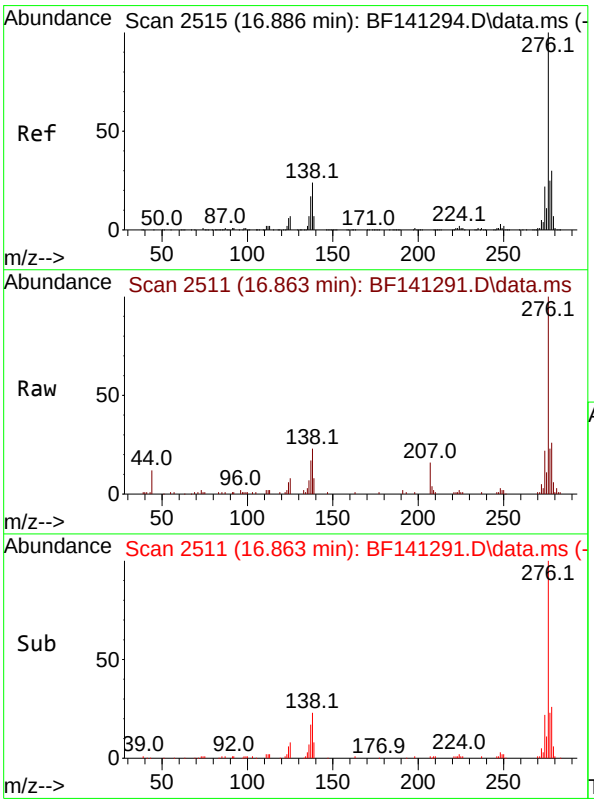
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

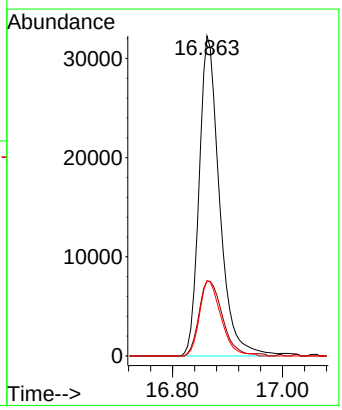


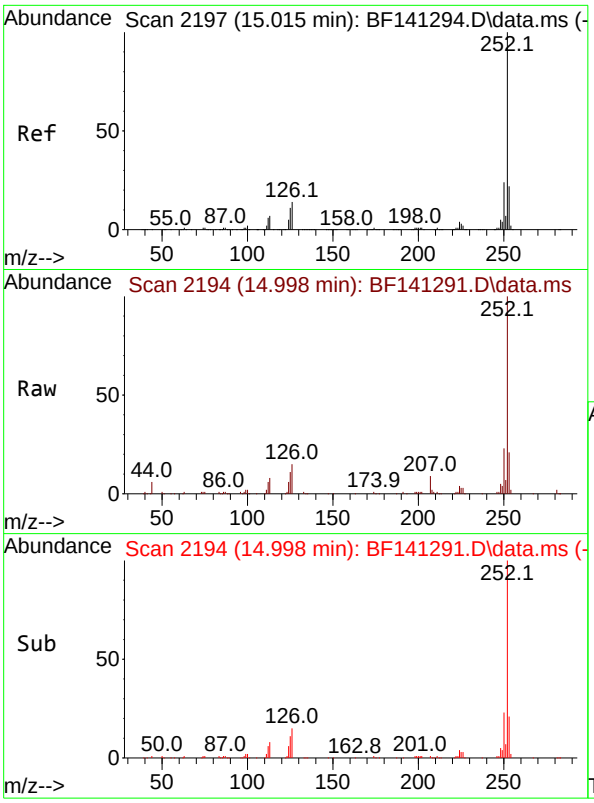


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



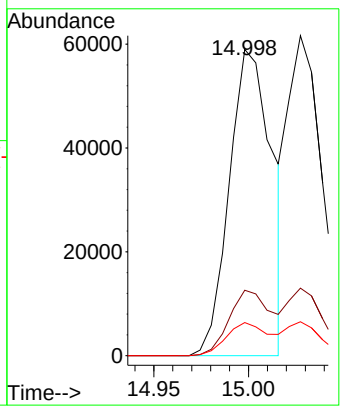


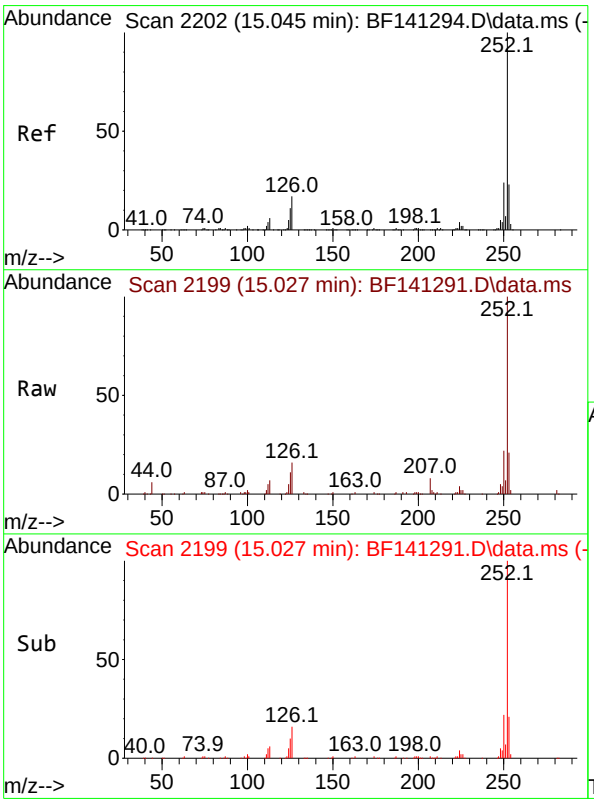
#88
Benzo(b)fluoranthene
Concen: 5.465 ng
RT: 14.998 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

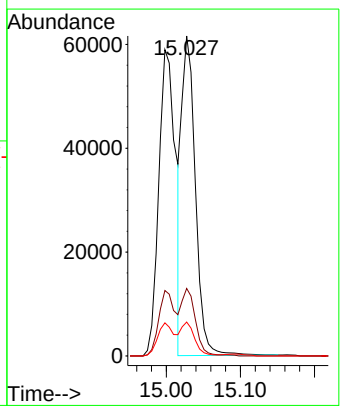


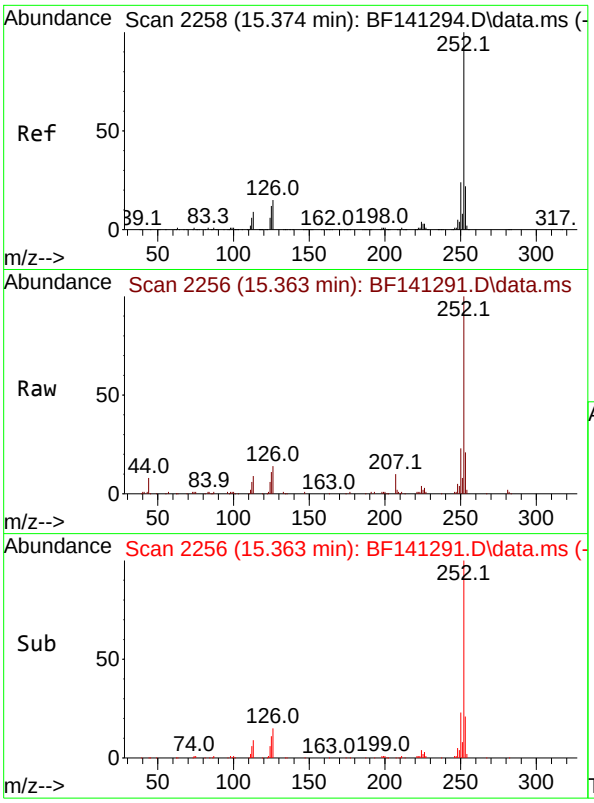


#89
Benzo(k)fluoranthene
Concen: 5.247 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



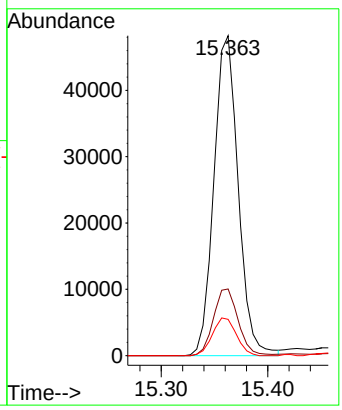


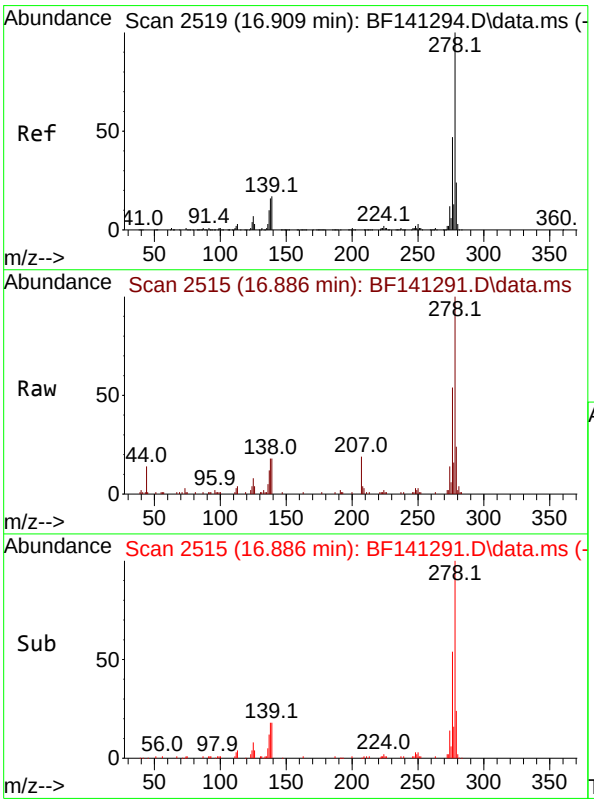
#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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

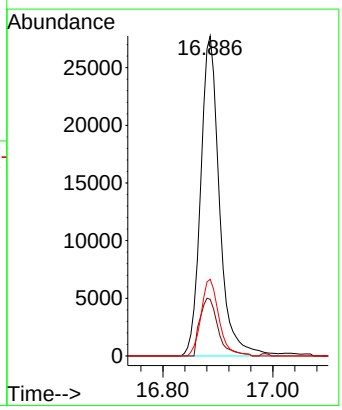


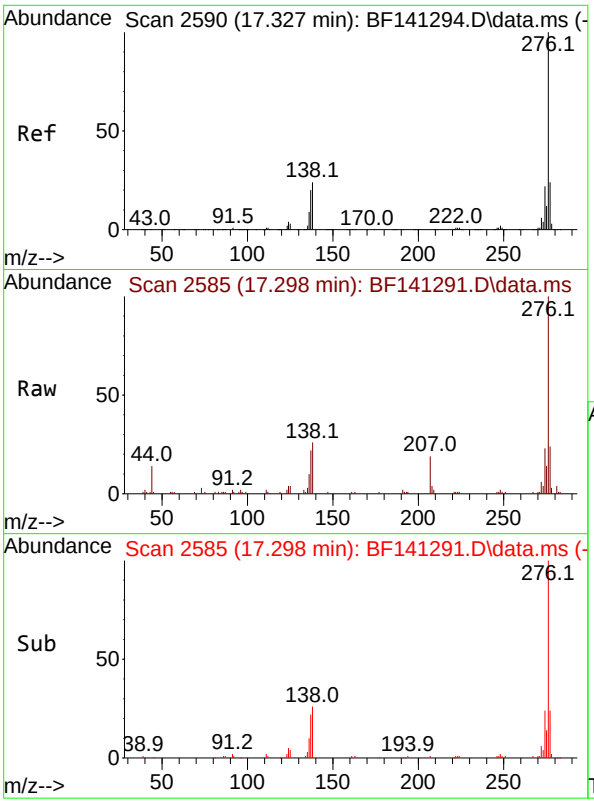


#91
Dibenzo(a,h)anthracene
Concen: 4.615 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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



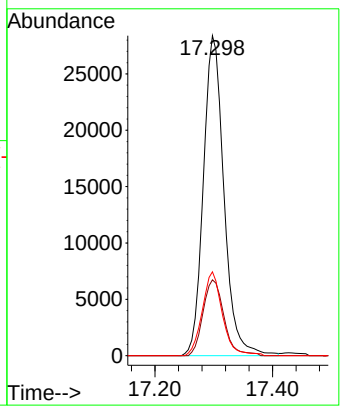


#92
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.298 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

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)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

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

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)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

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

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

ICAL Form

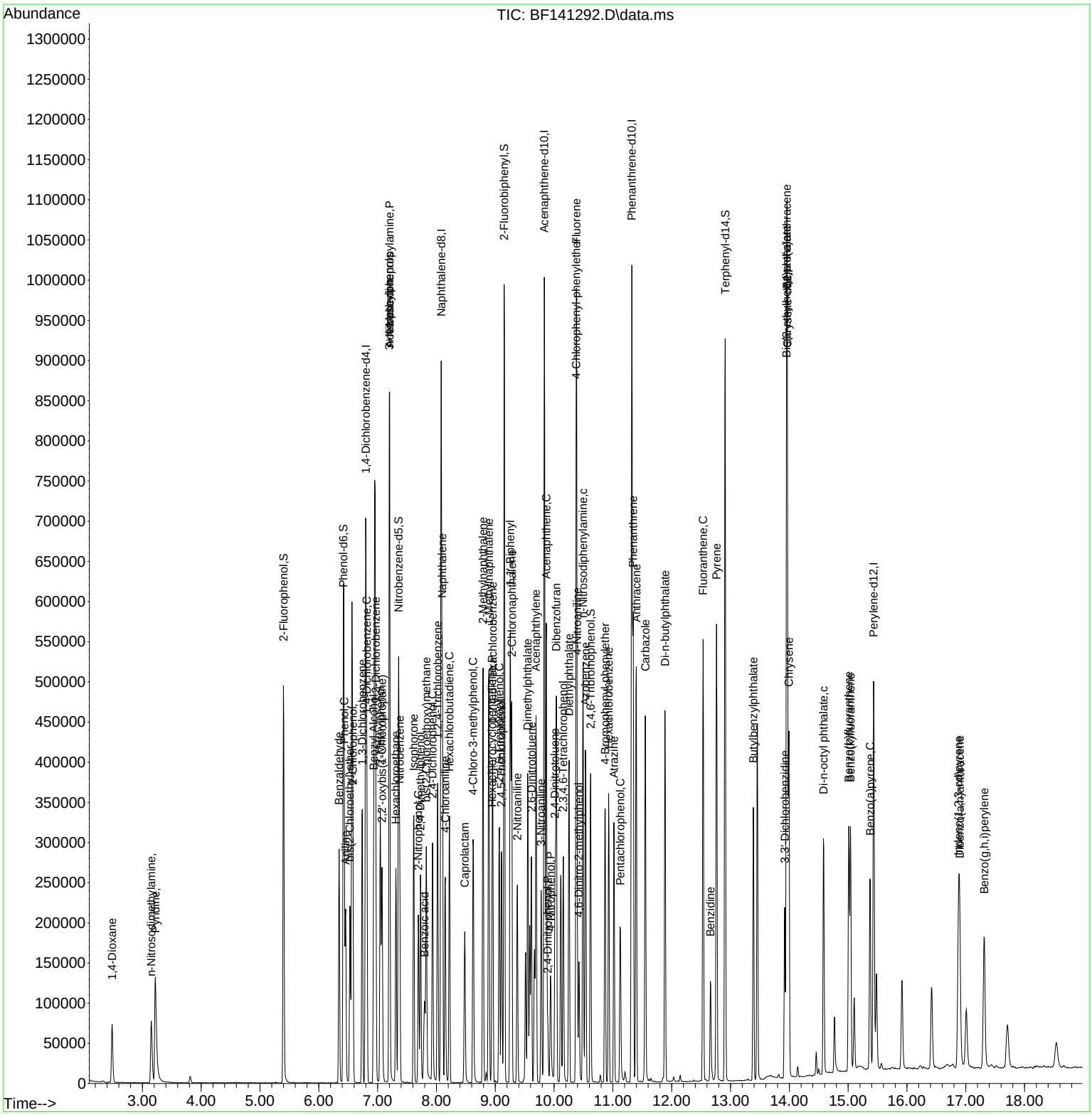
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

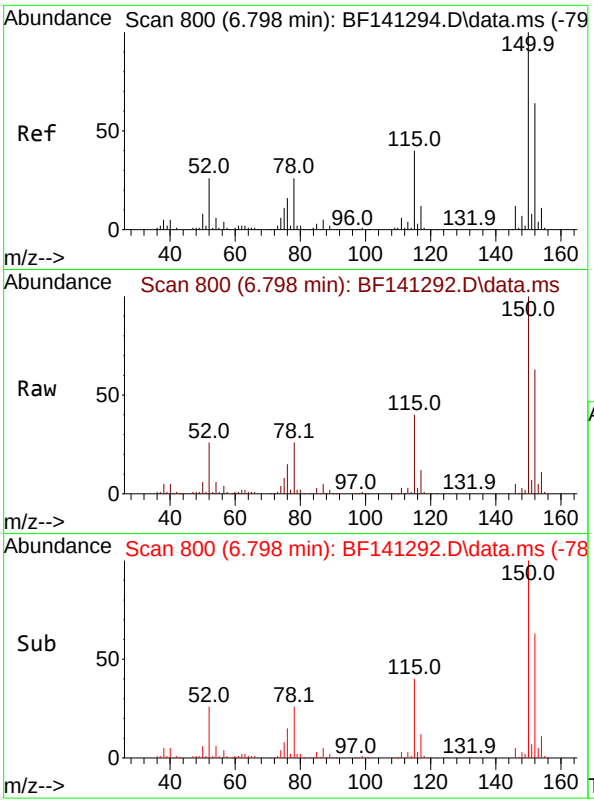
Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

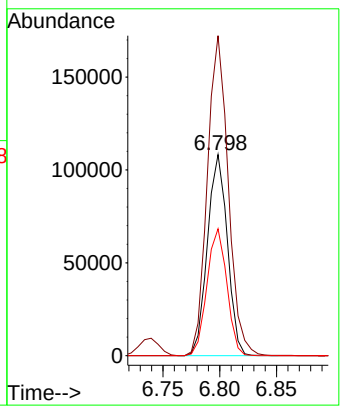




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 13220(

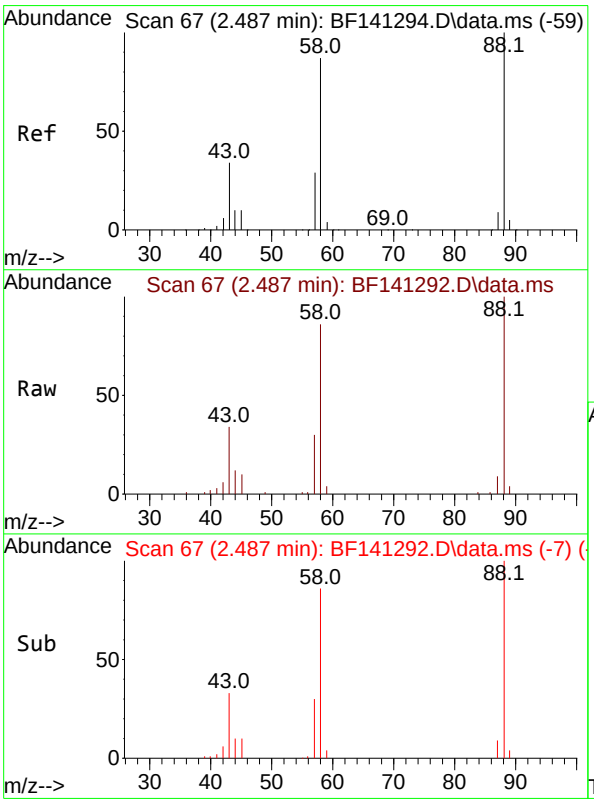
Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.9	188.9
115	63.1	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

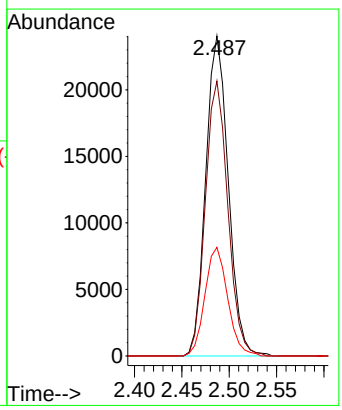
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

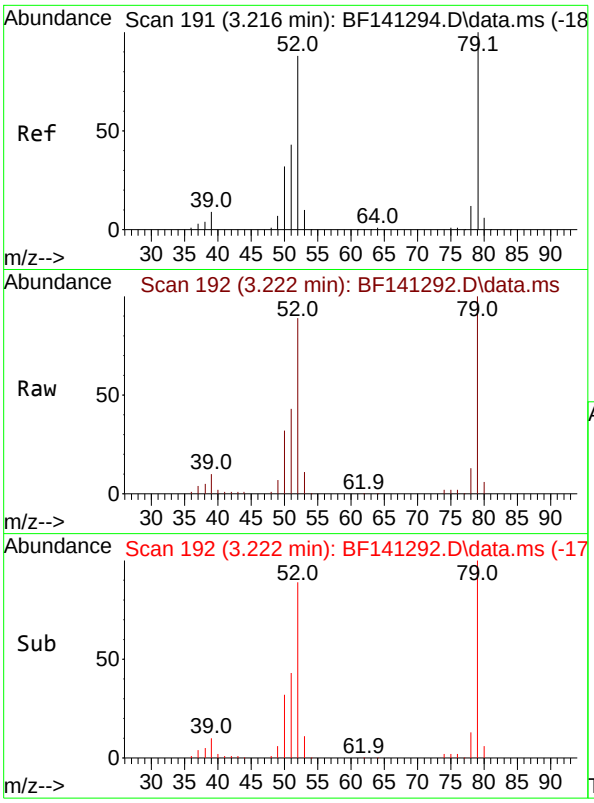


#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

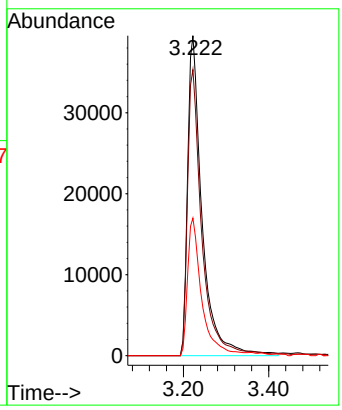




#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
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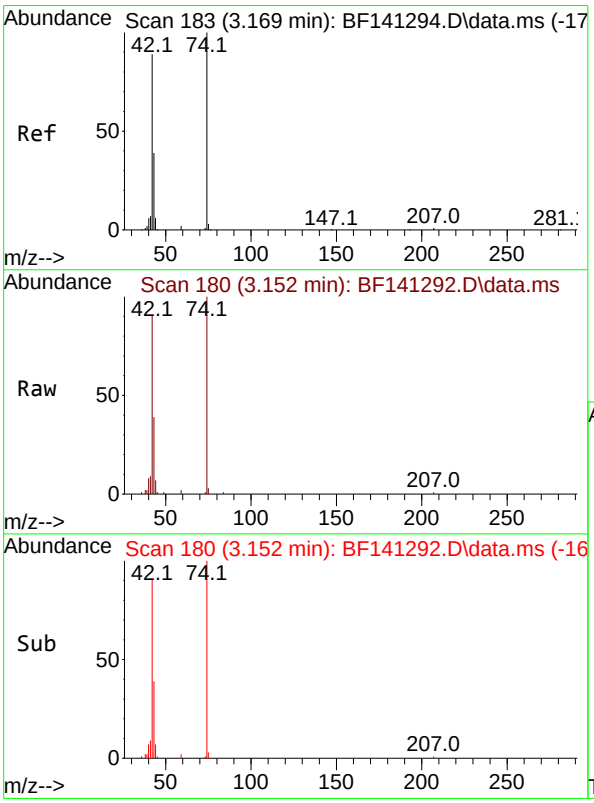
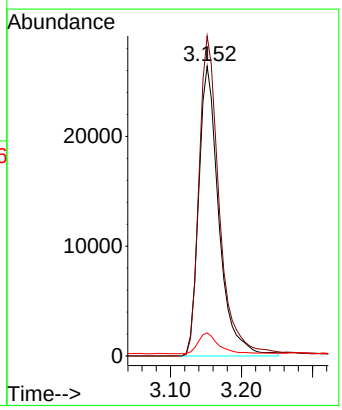
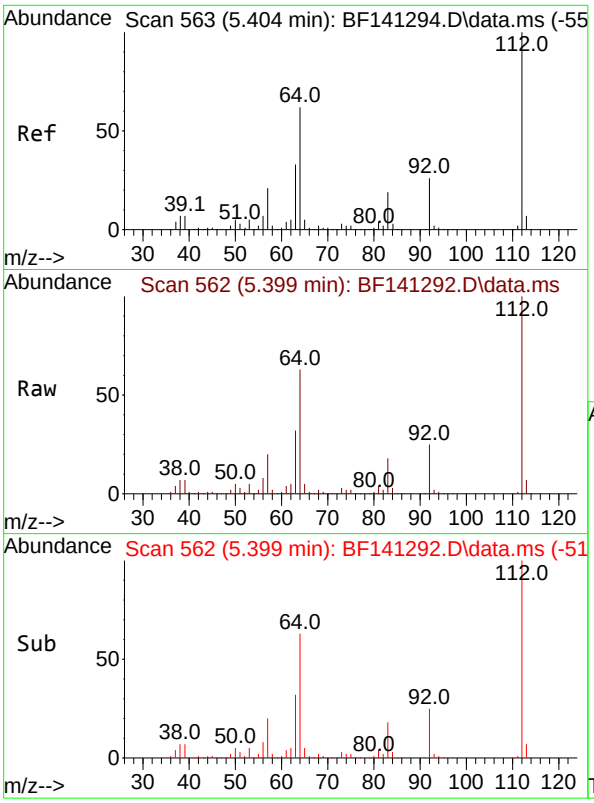


#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

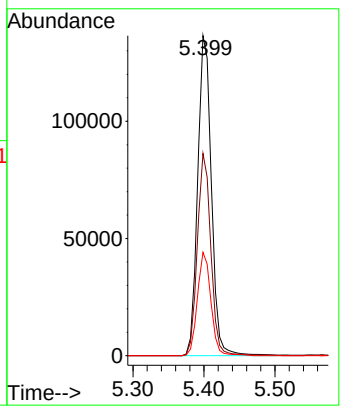




#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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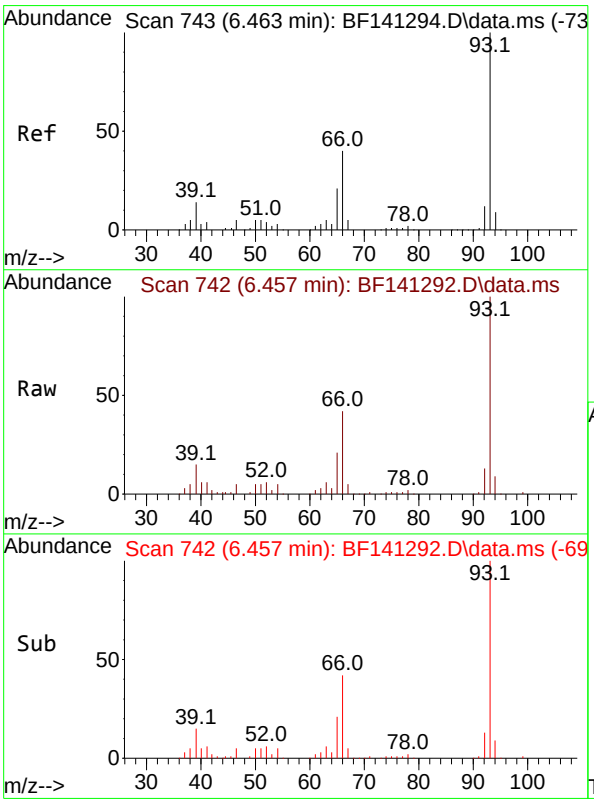
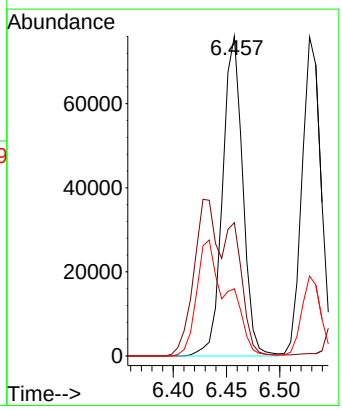
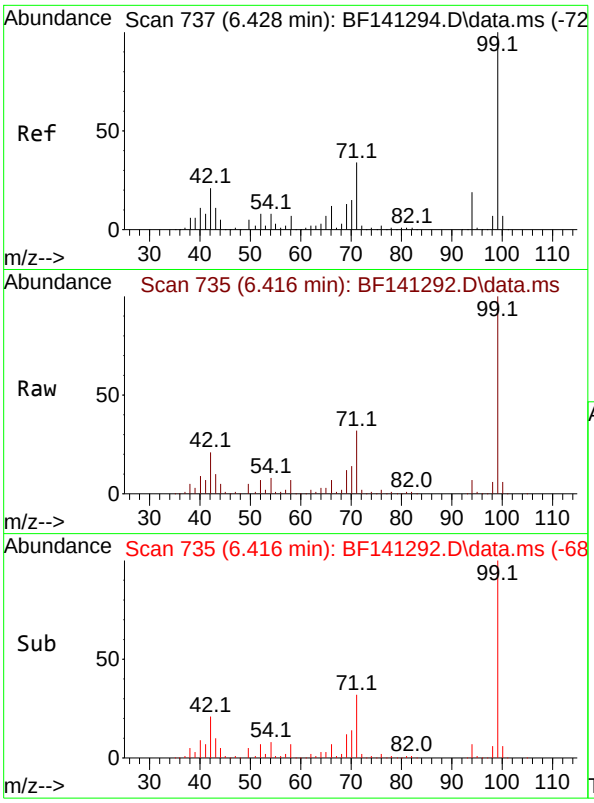


#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

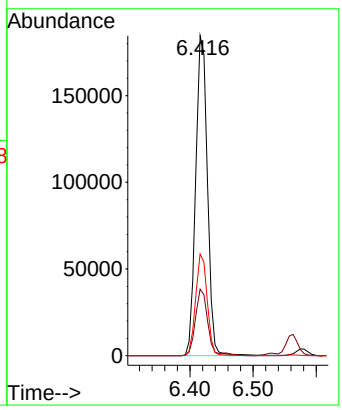




#7
Phenol-d6
Concen: 21.836 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
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ClientSampleId :
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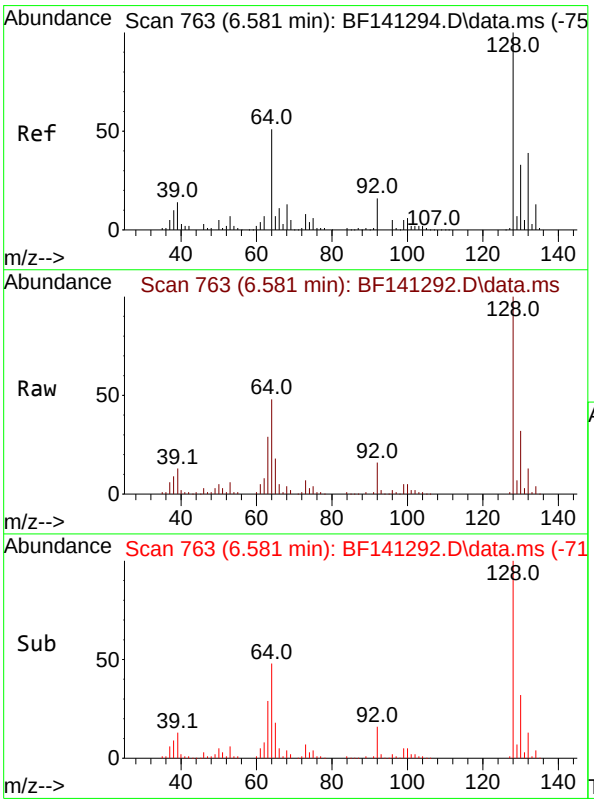
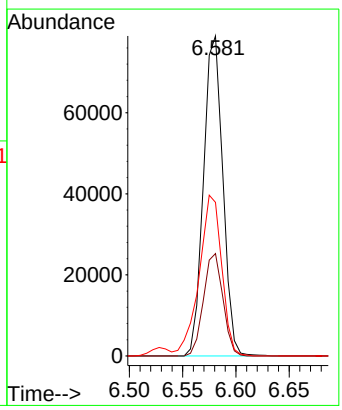
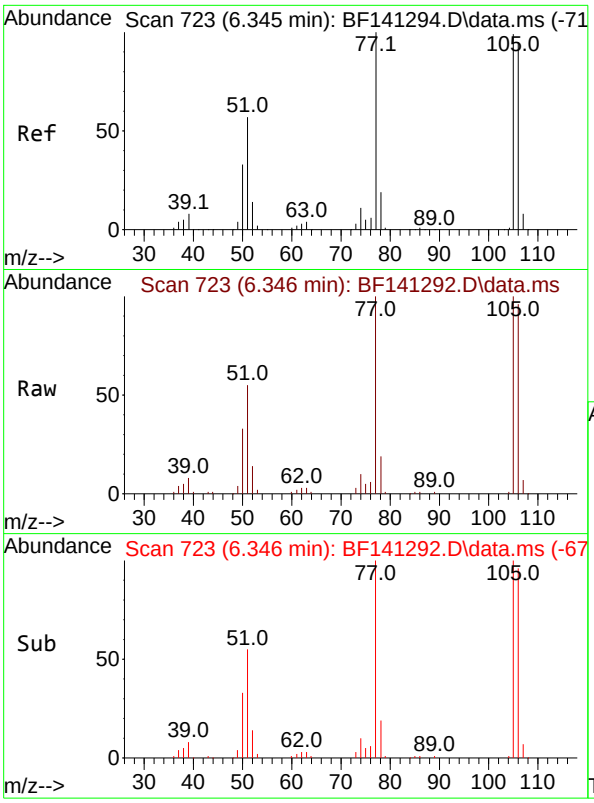


#8
2-Chlorophenol
Concen: 10.871 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

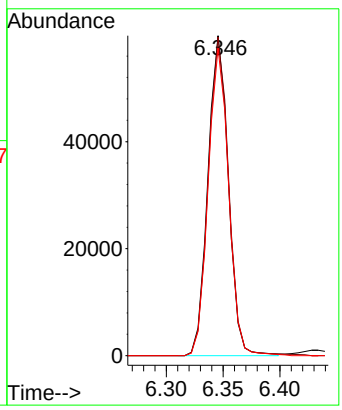




#9
Benzaldehyde
Concen: 11.803 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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ClientSampleId :
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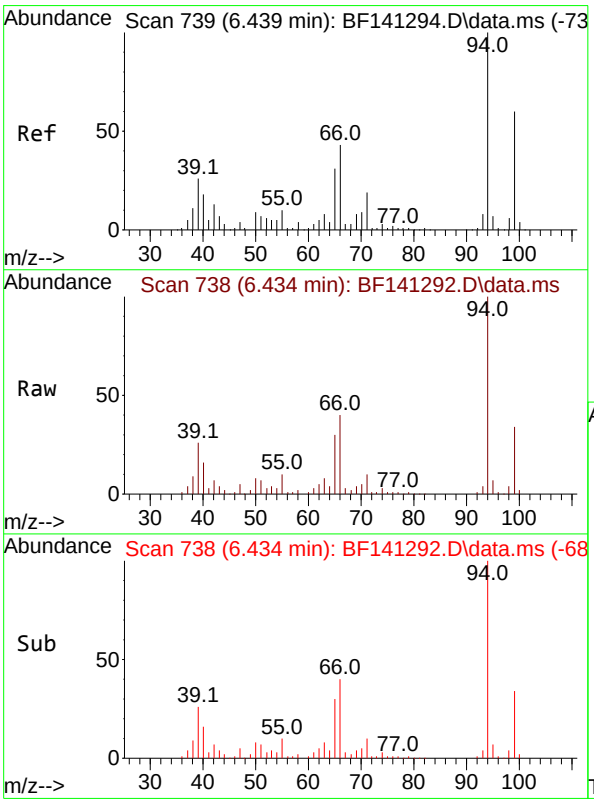
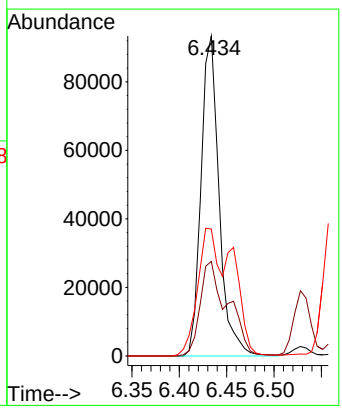
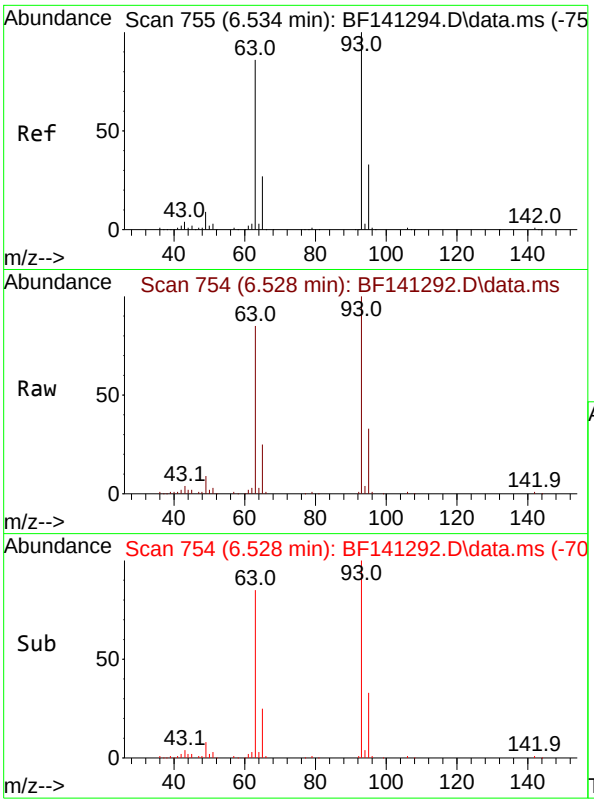


#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

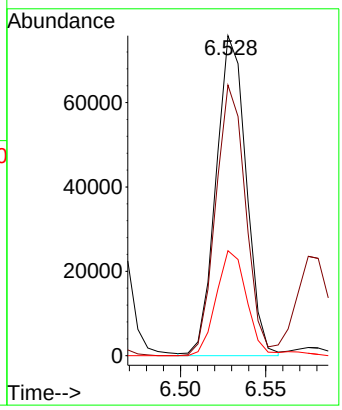




#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
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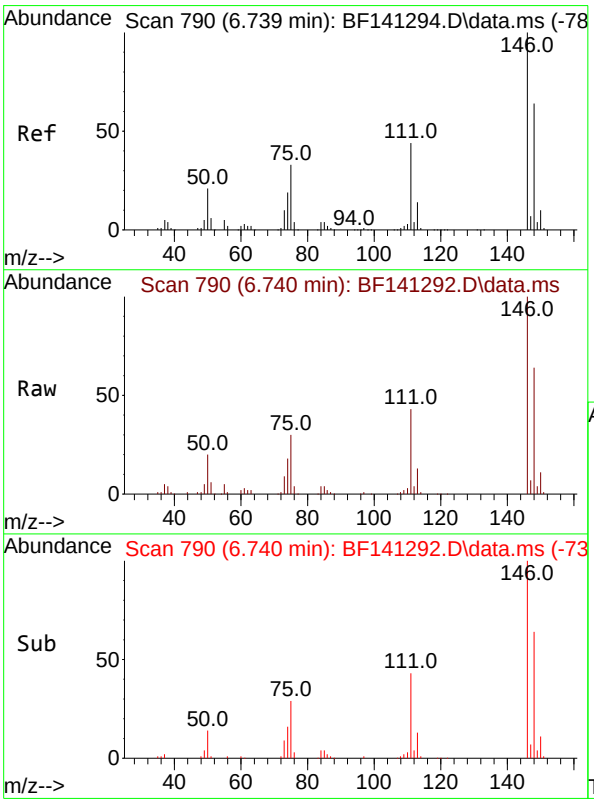
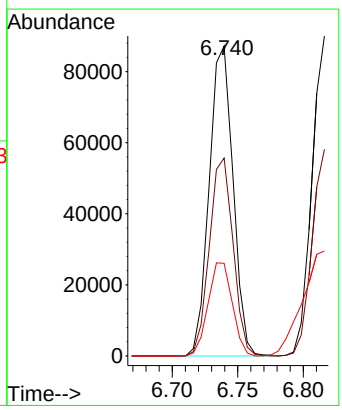
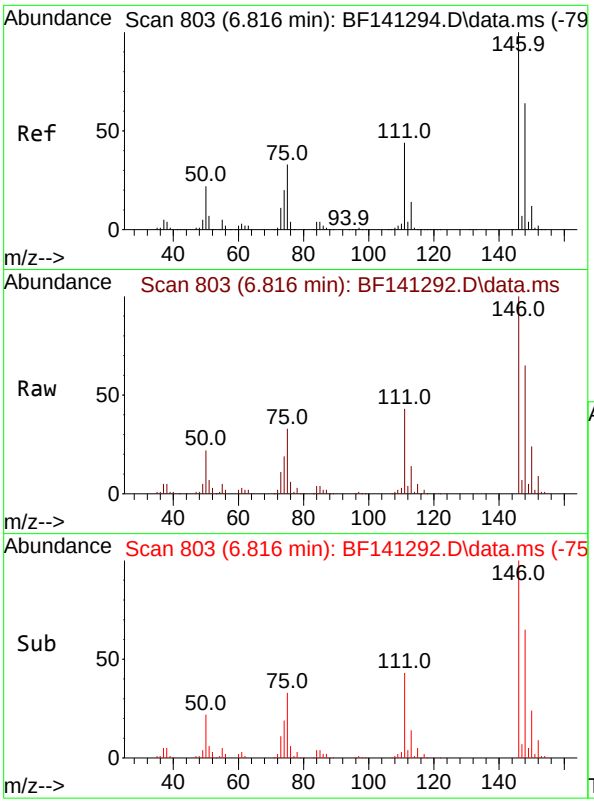


#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

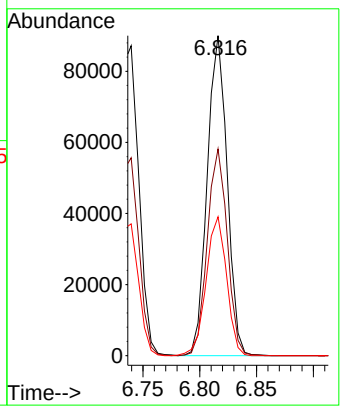




#13
1,4-Dichlorobenzene
Concen: 10.784 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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



Instrument :
BNA_F
ClientSampleId :
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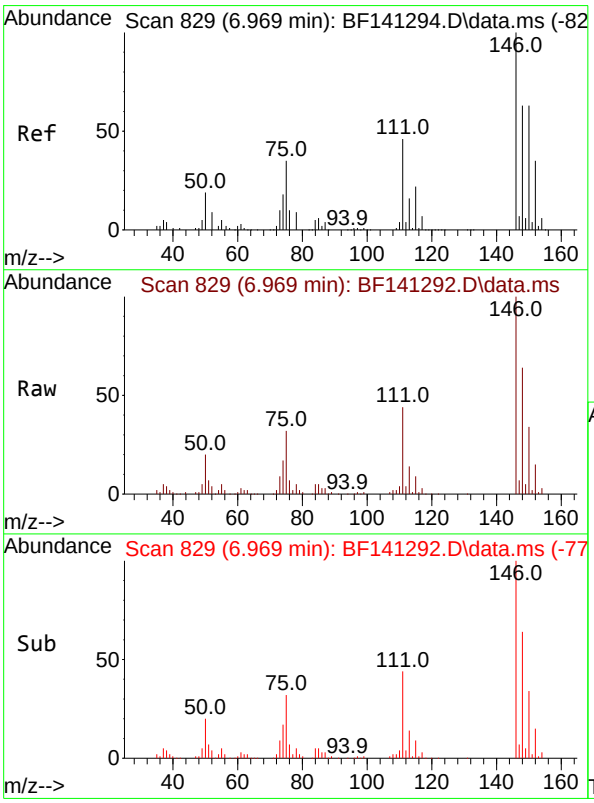
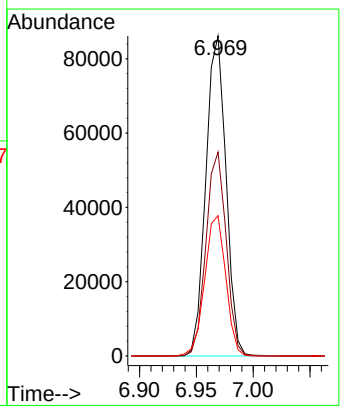
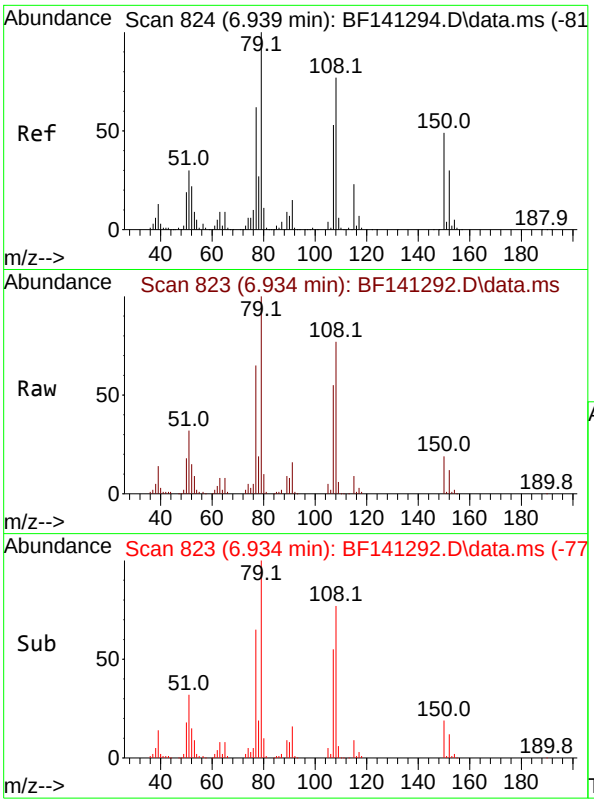


#14
1,2-Dichlorobenzene
Concen: 11.160 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
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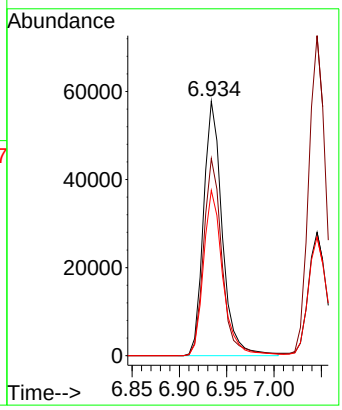
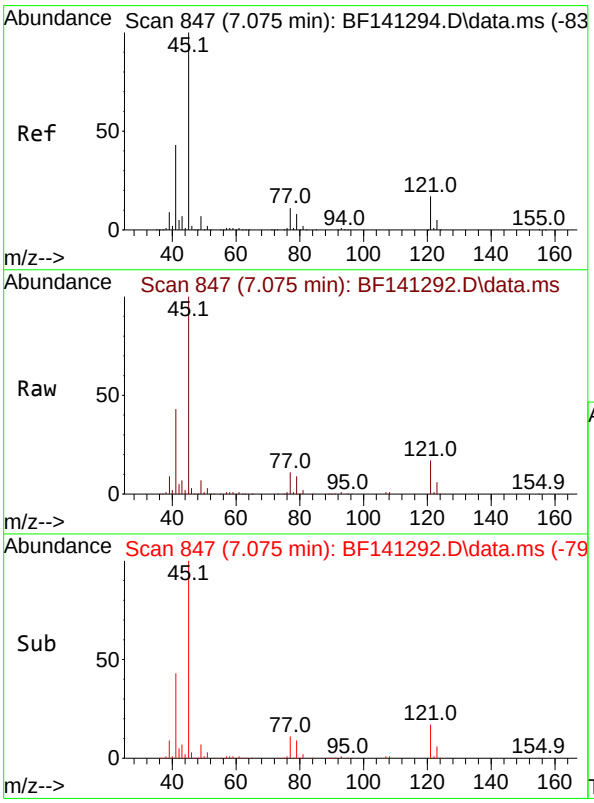
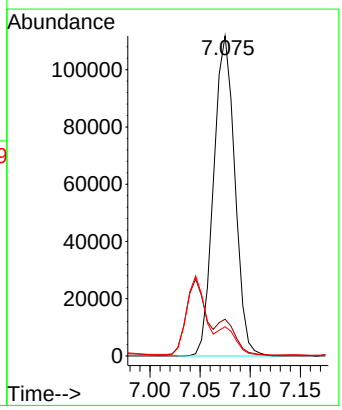


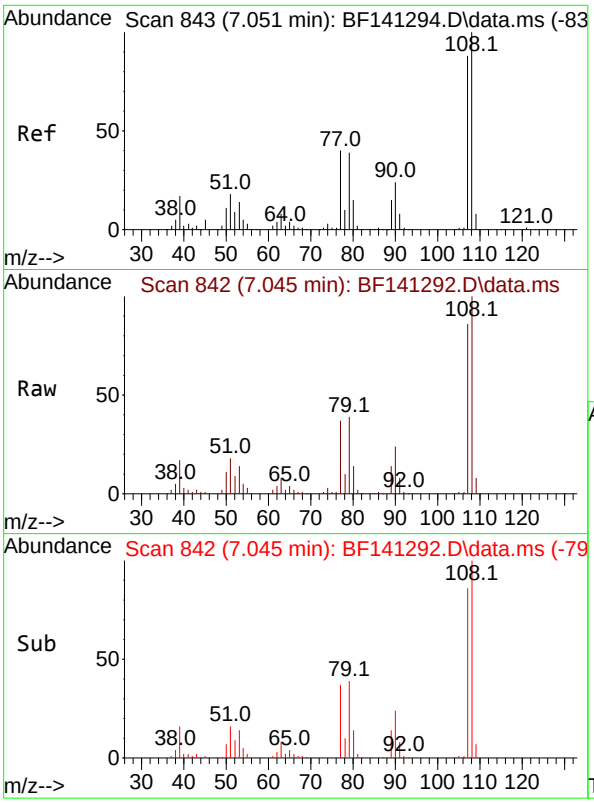


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

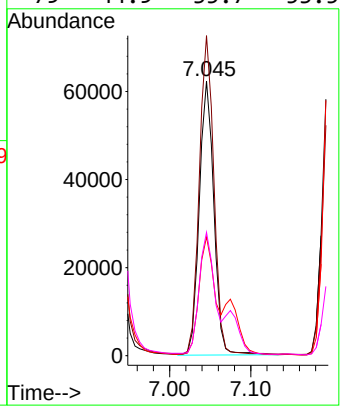




#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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ClientSampleId :
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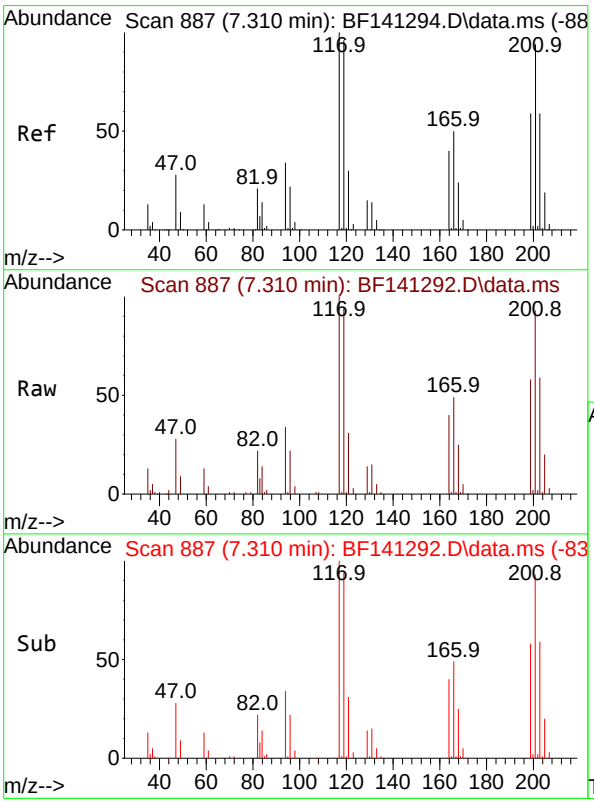
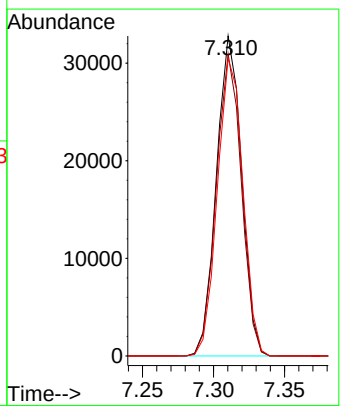
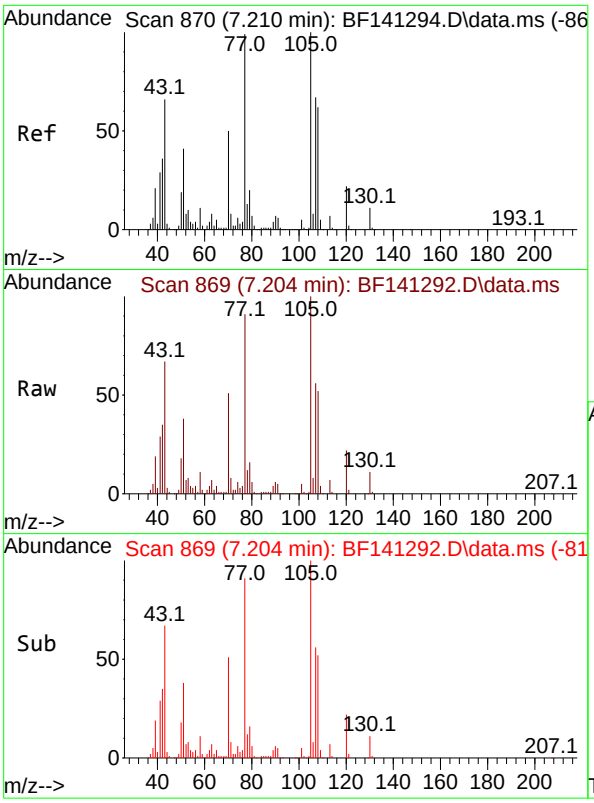


#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

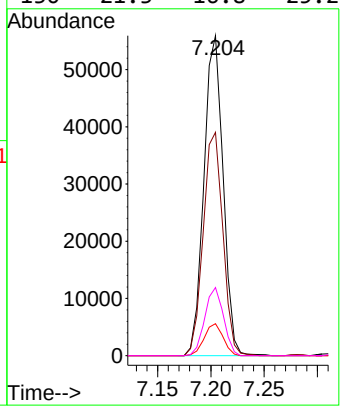




#19
n-Nitroso-di-n-propylamine
Concen: 10.815 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
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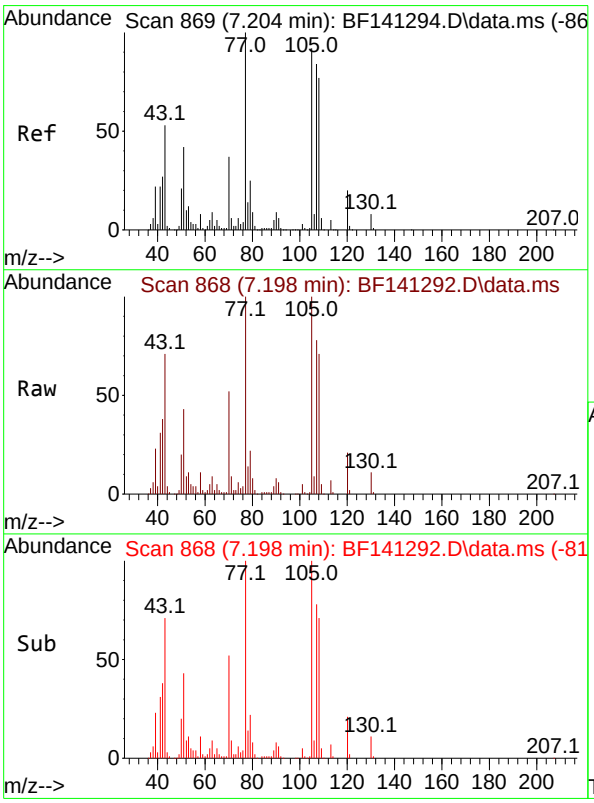
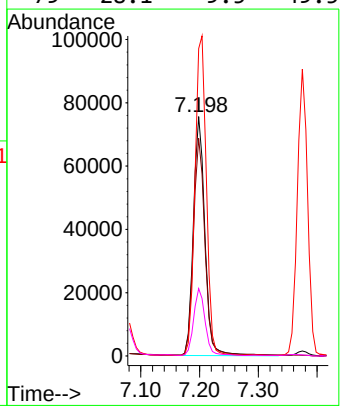
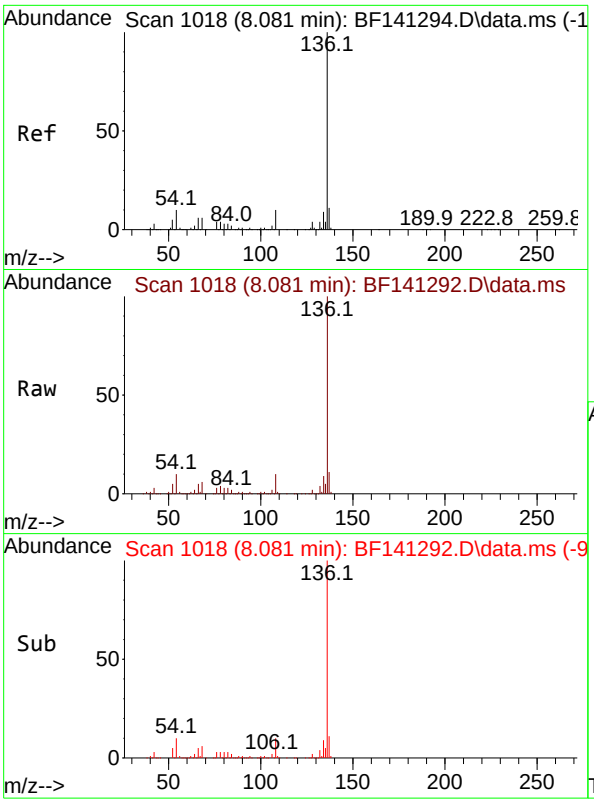


#20
3+4-Methylphenols
Concen: 11.310 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

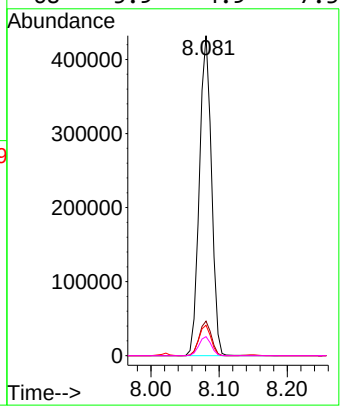




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
SSTDICC010

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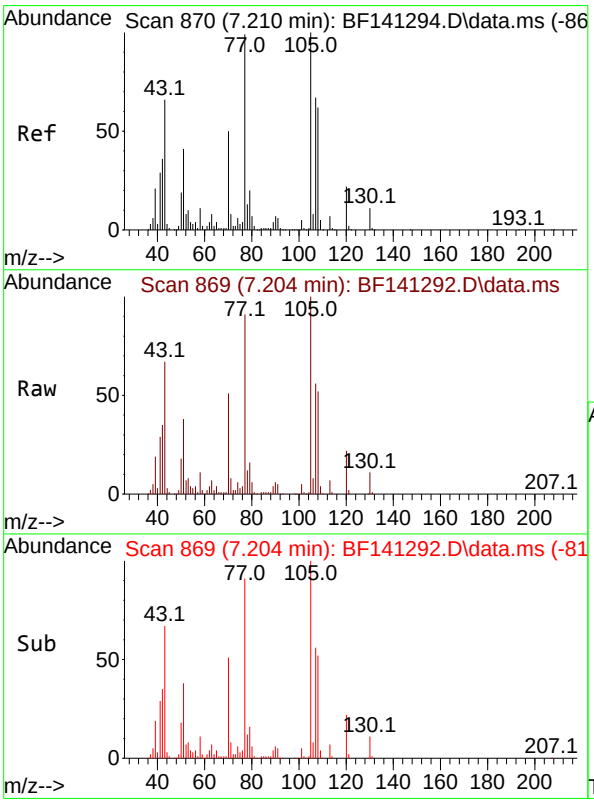
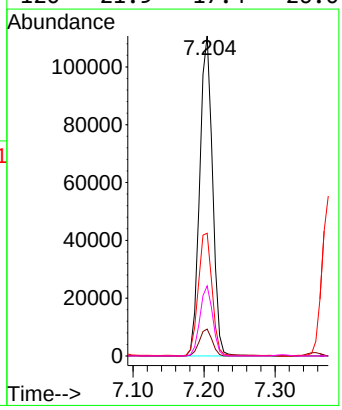
Supervised By :mohammad ahmed 02/04/2025

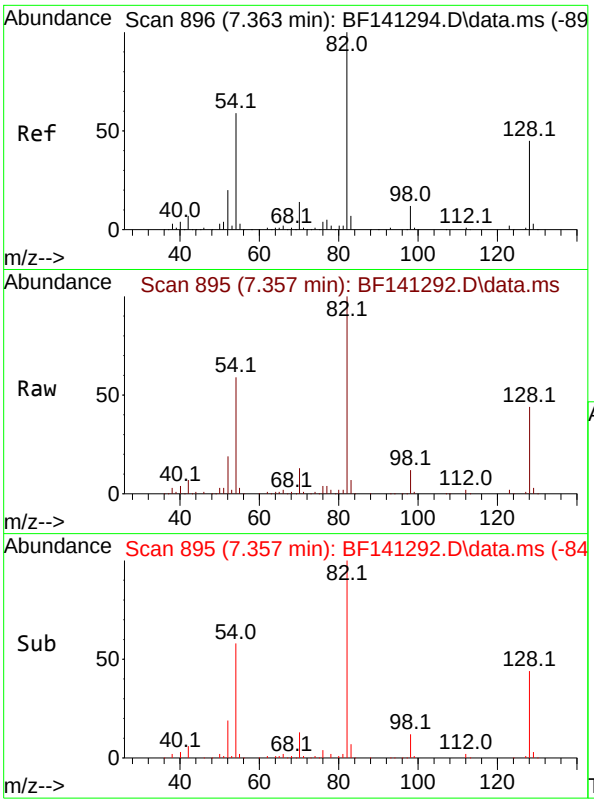


#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
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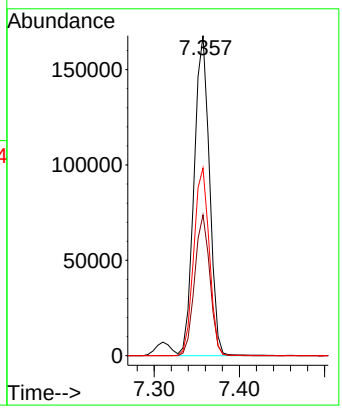
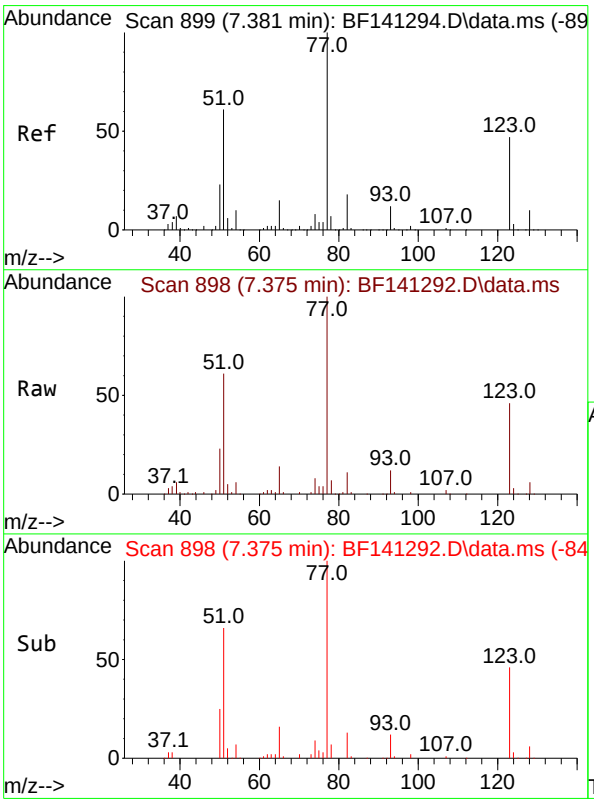
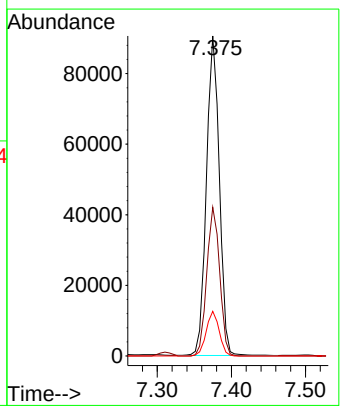


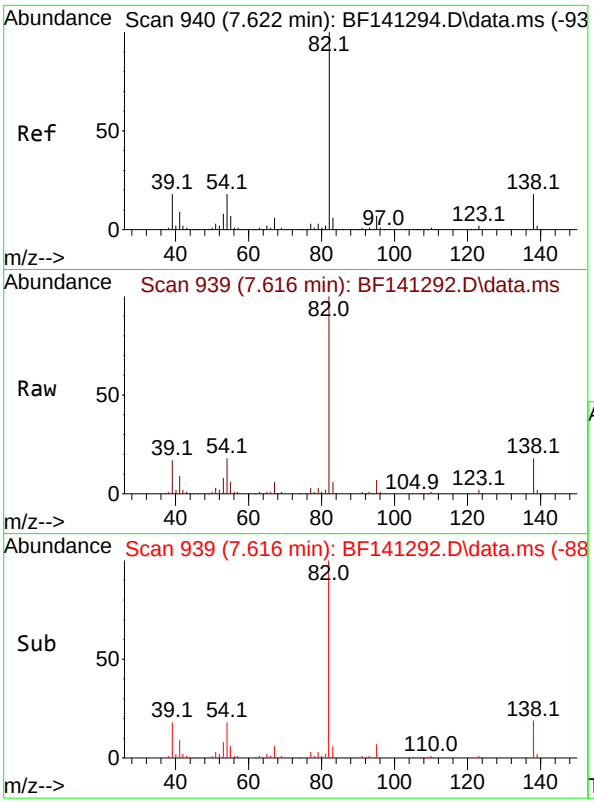


#24
Nitrobenzene
Concen: 10.474 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

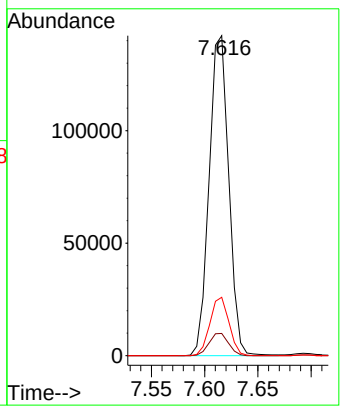




#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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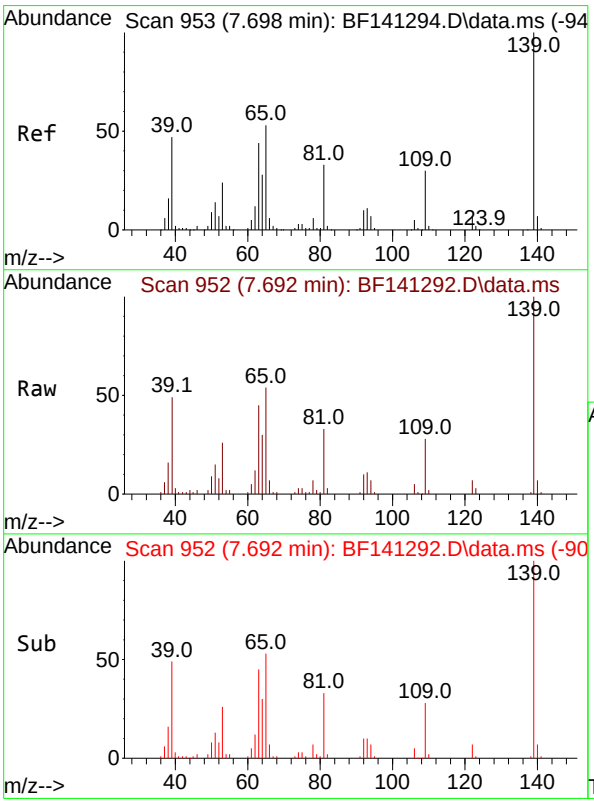
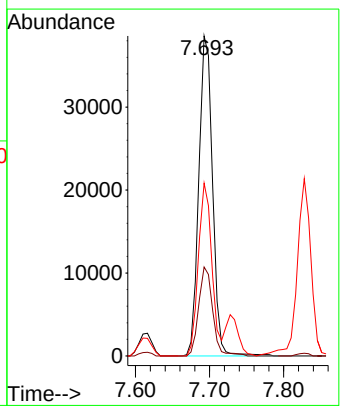
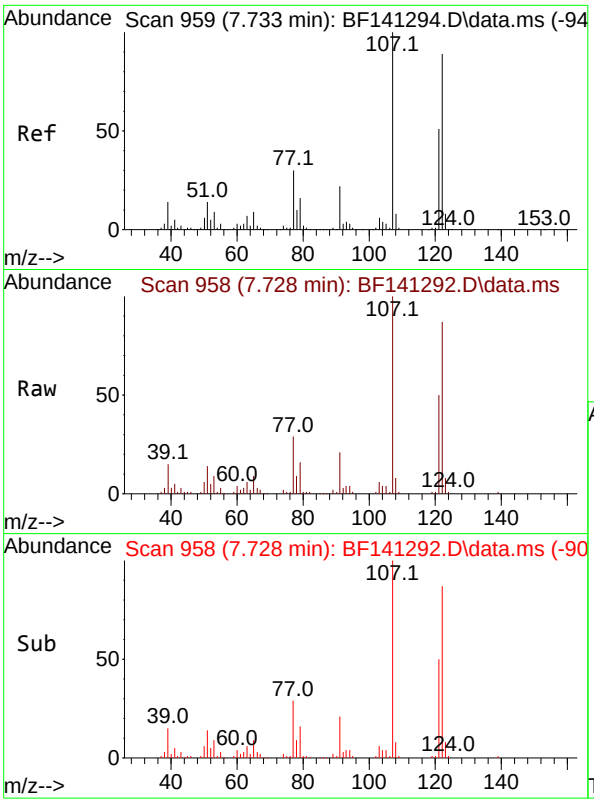


#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

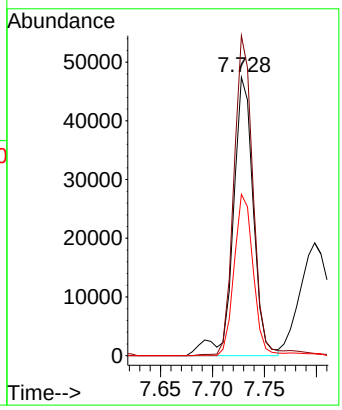




#27
2,4-Dimethylphenol
Concen: 10.177 ng m
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
SSTDICC010

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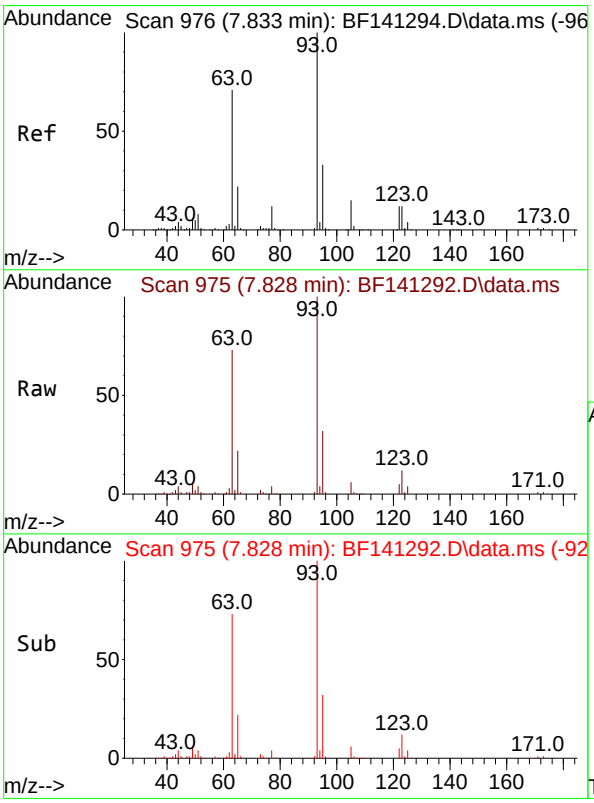
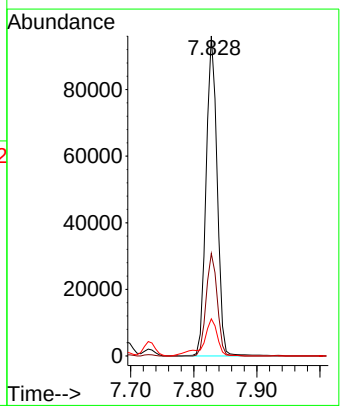
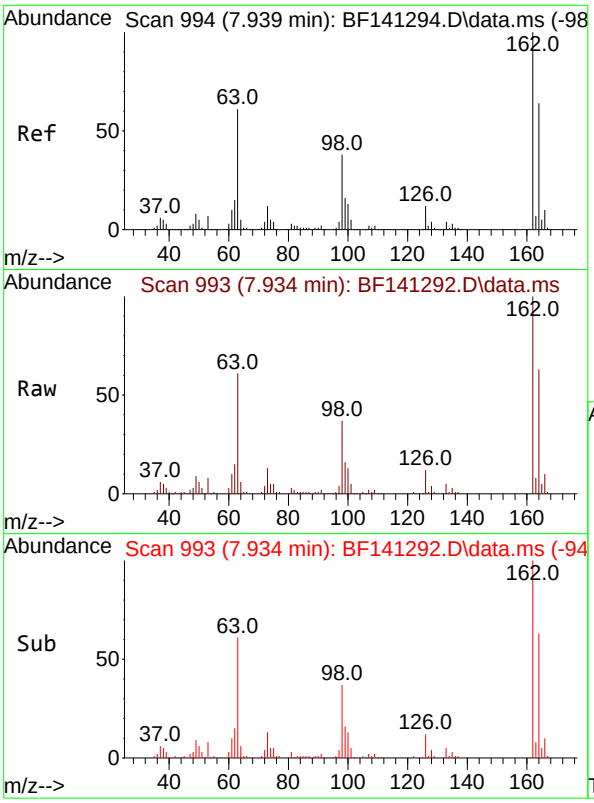


#28
bis(2-Chloroethoxy)methane
Concen: 10.561 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

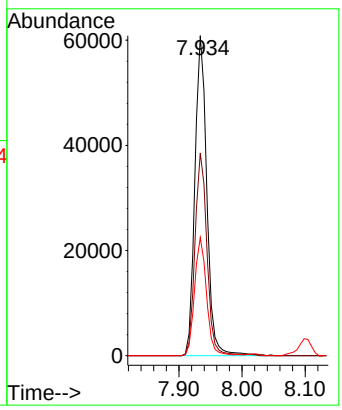




#29
2,4-Dichlorophenol
Concen: 10.457 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
SSTDICC010

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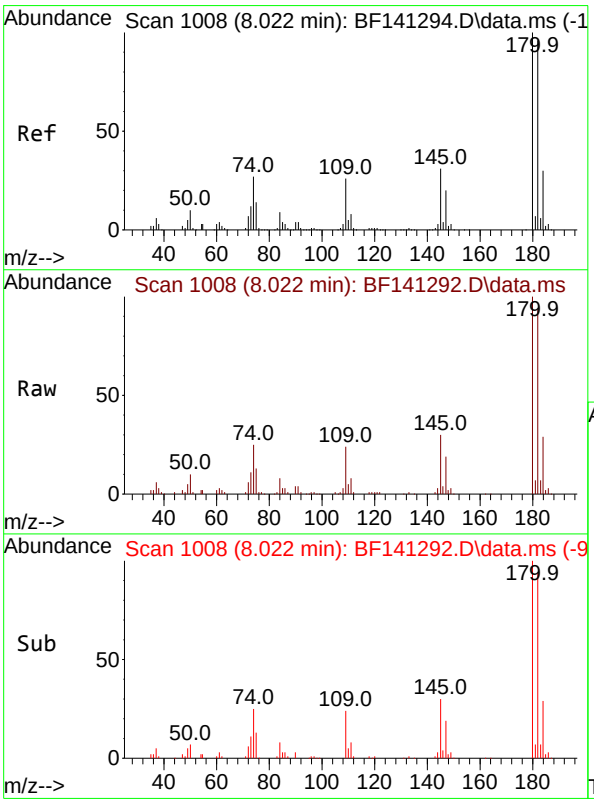
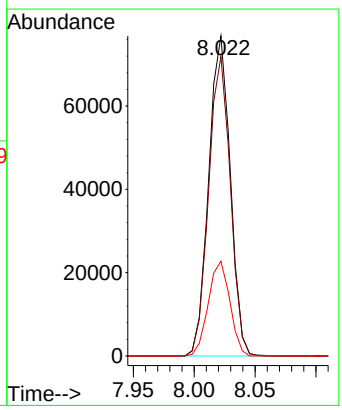
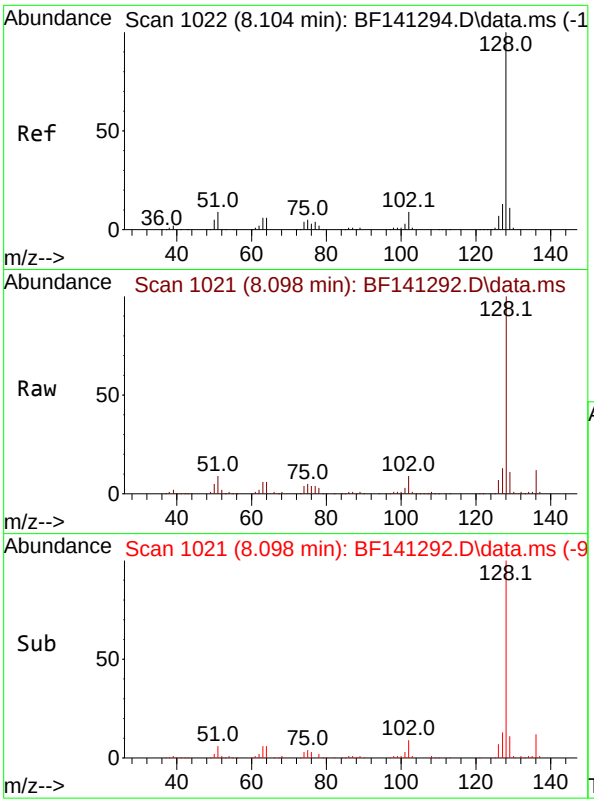


#30
1,2,4-Trichlorobenzene
Concen: 10.767 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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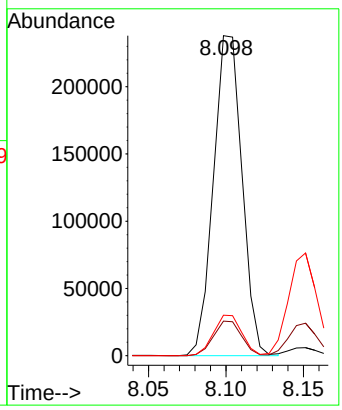
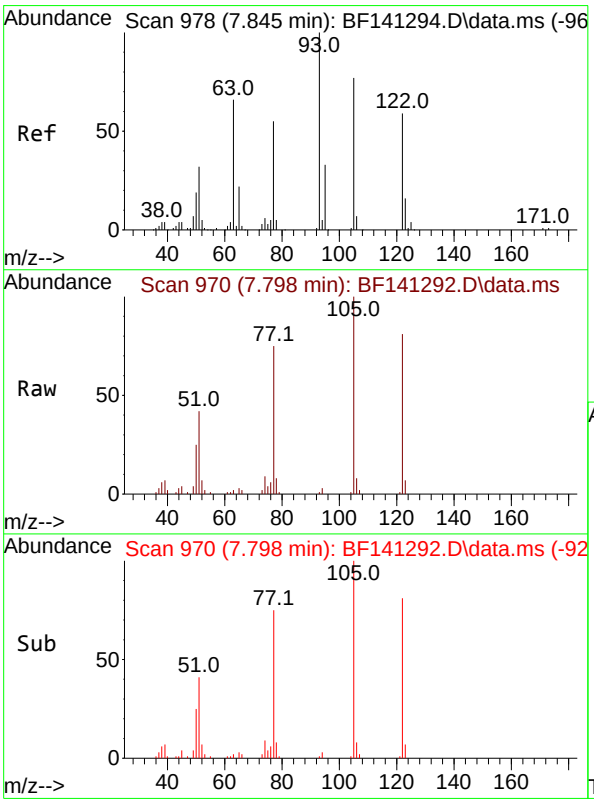
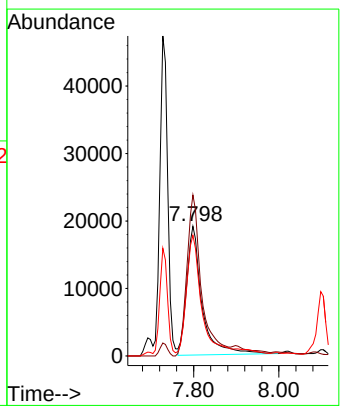


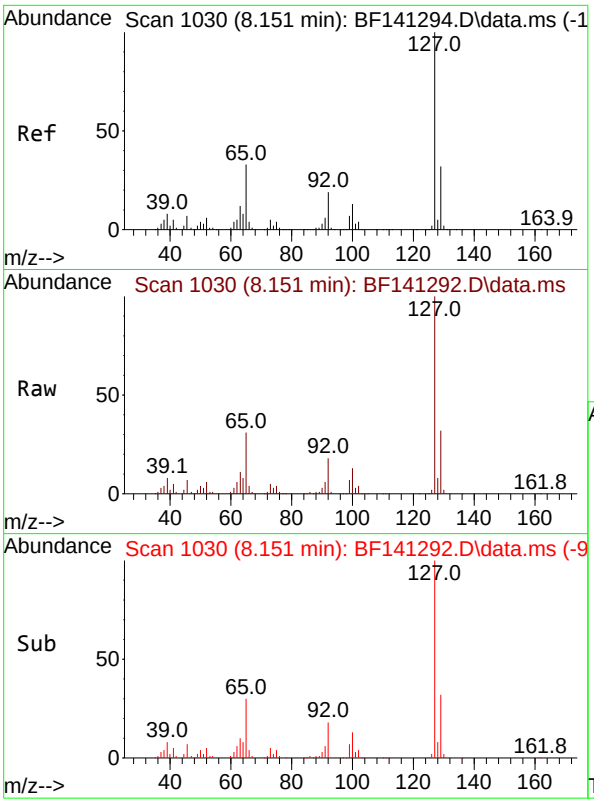


#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

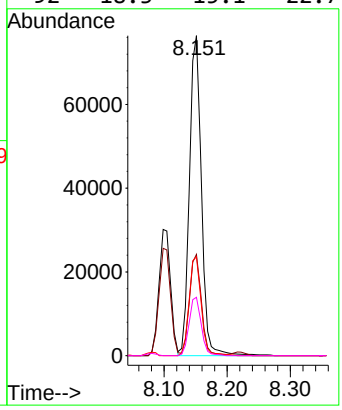




#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
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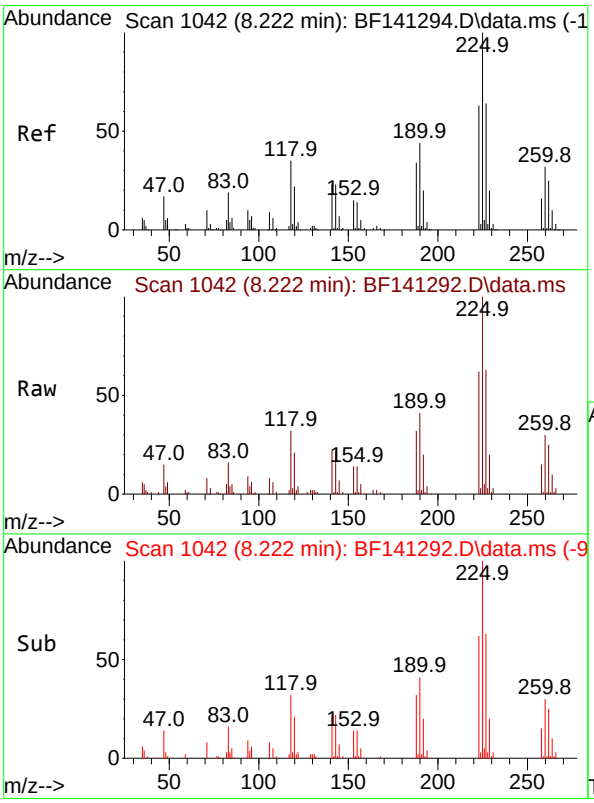
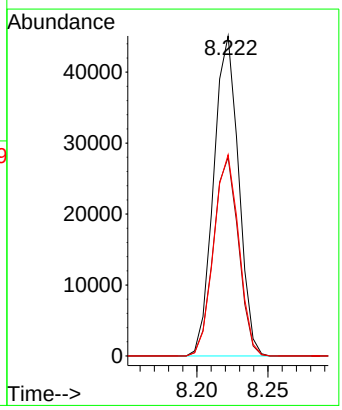
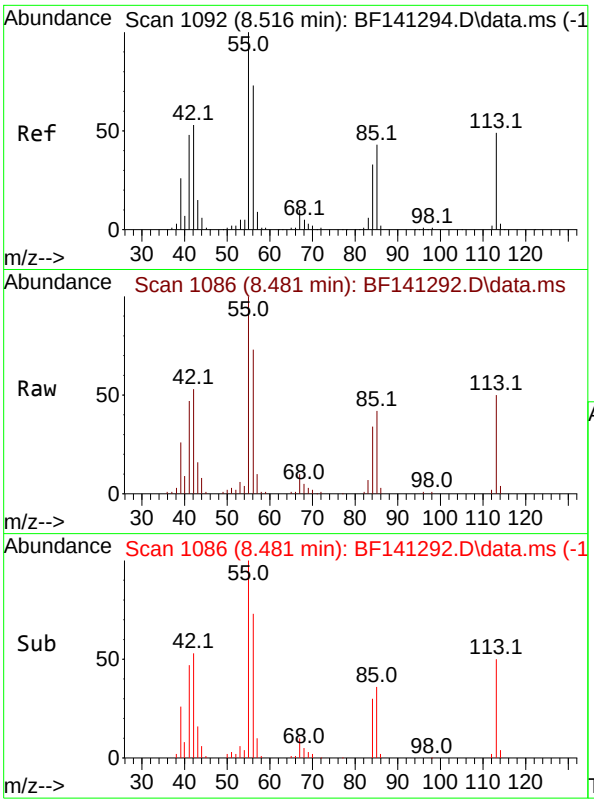


#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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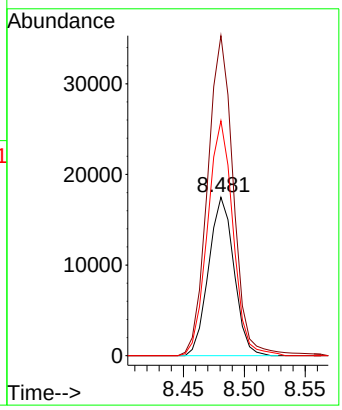
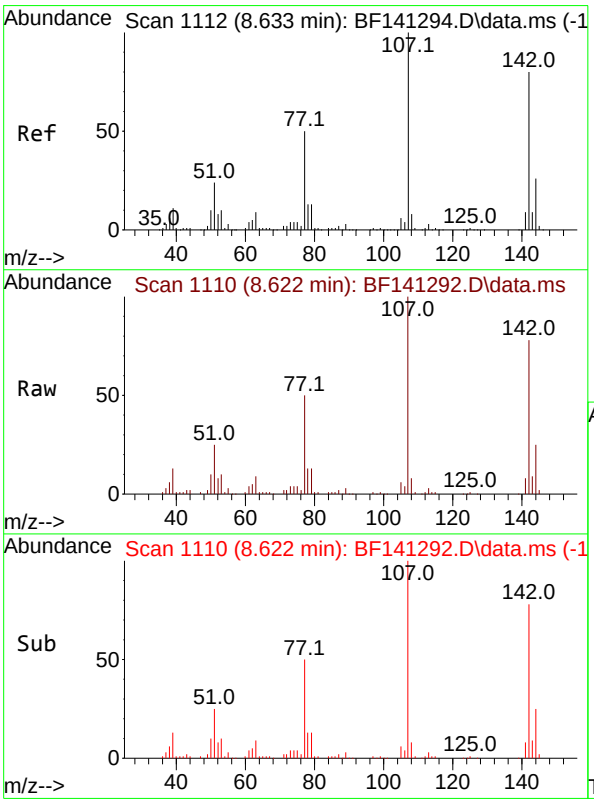
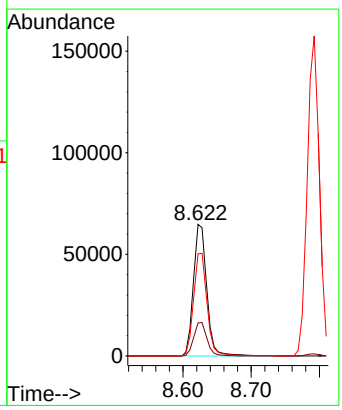


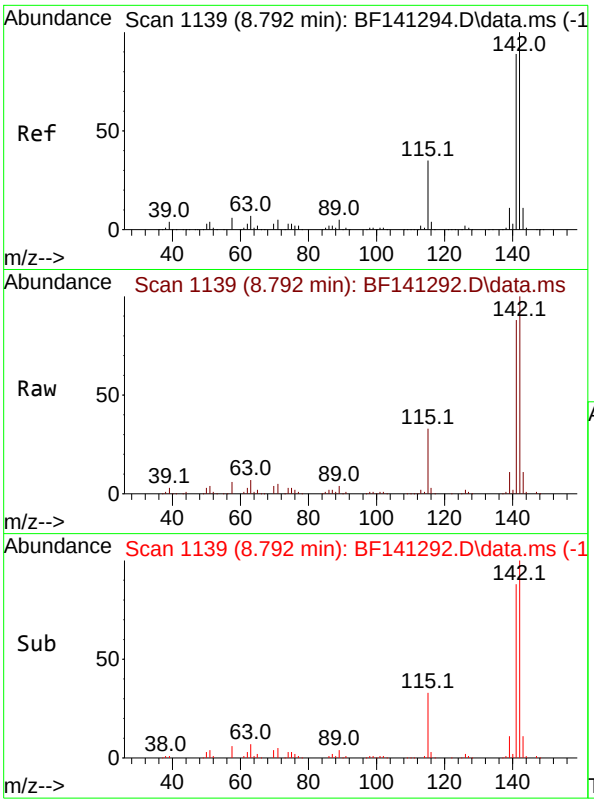


#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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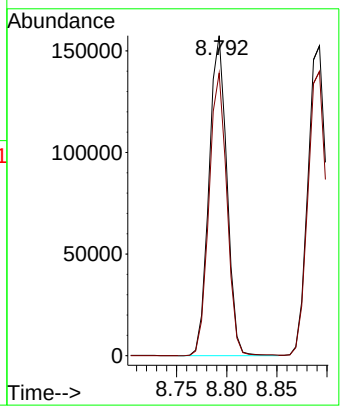
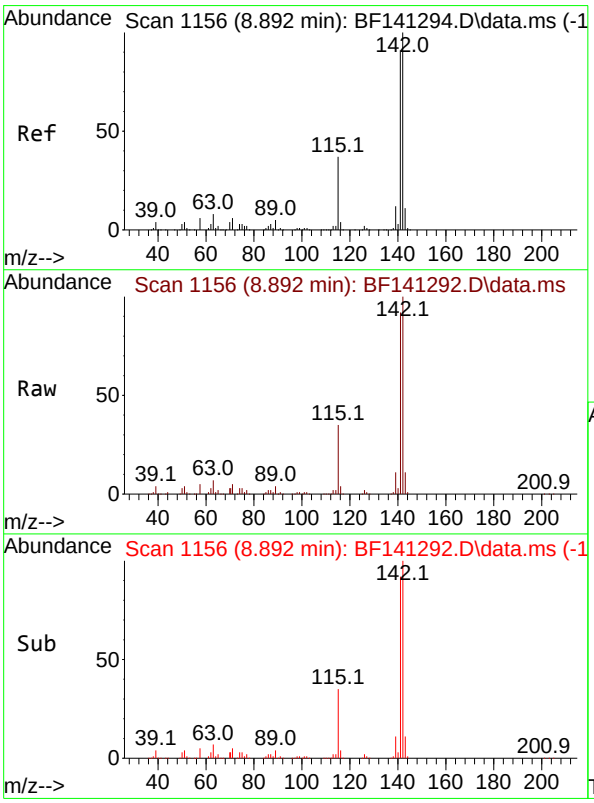
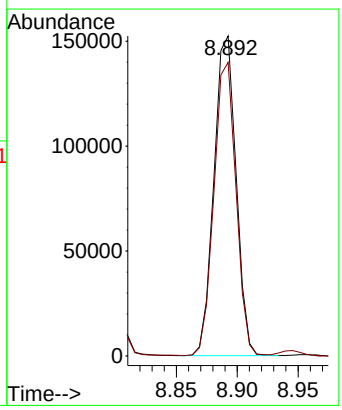


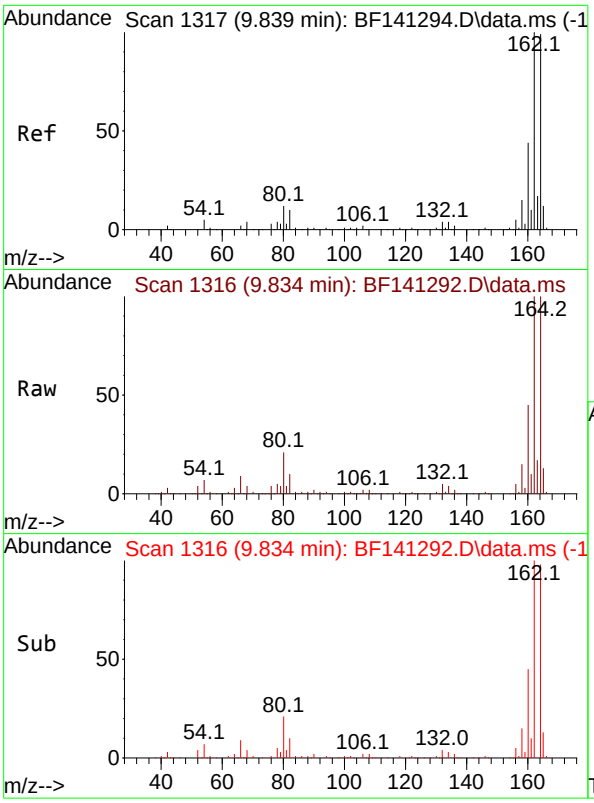


#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8

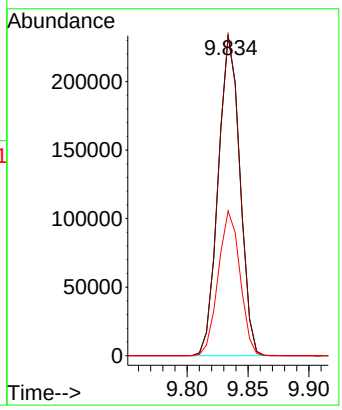




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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



Instrument :
BNA_F
ClientSampleId :
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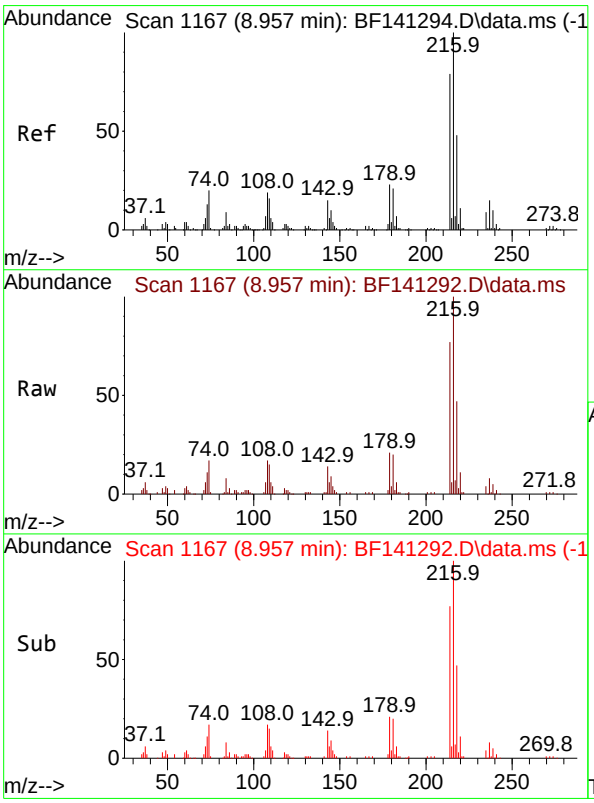
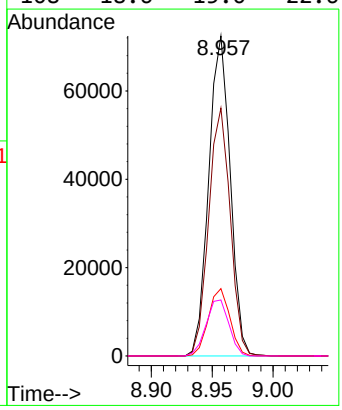
Supervised By :mohammad ahmed 02/04/2025

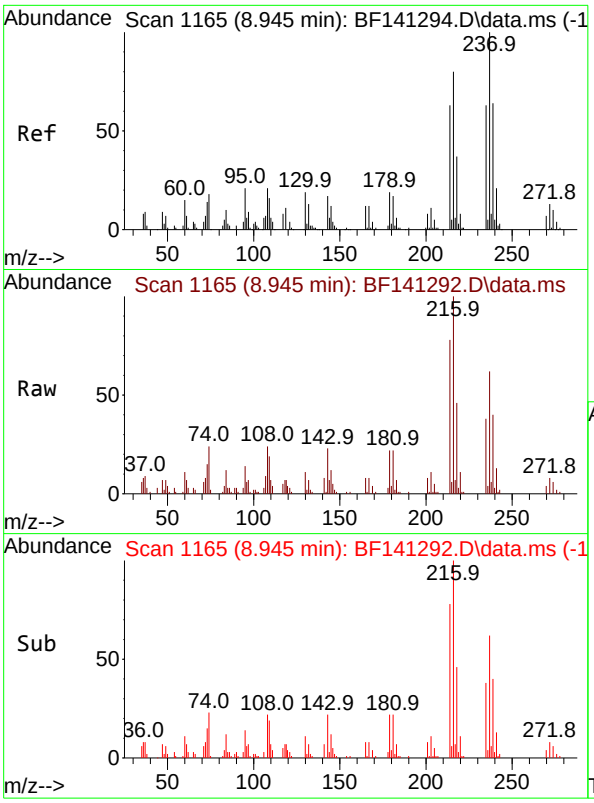


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.775 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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# 11
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

Instrument :
BNA_F
ClientSampleId :
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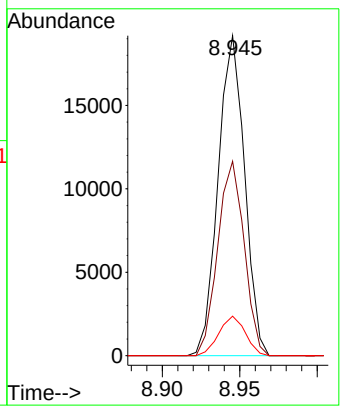
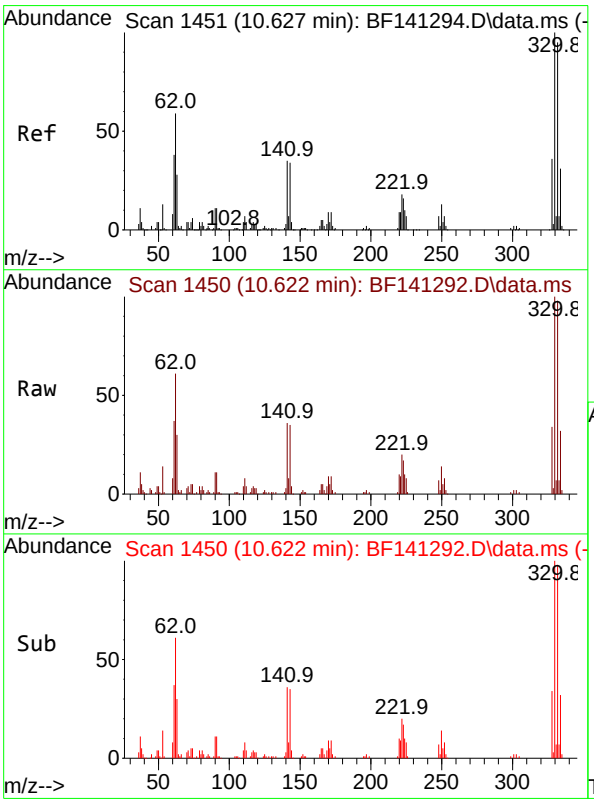
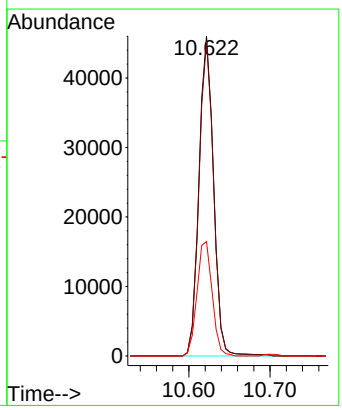


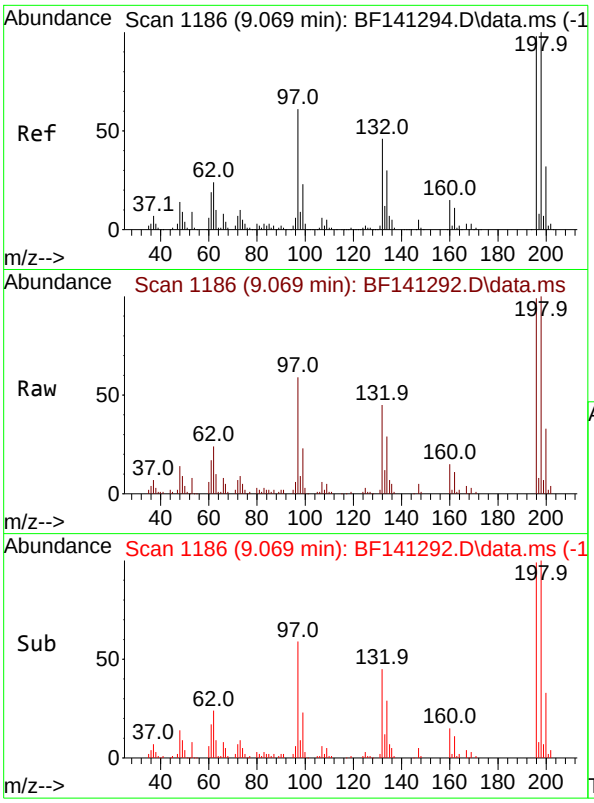


#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

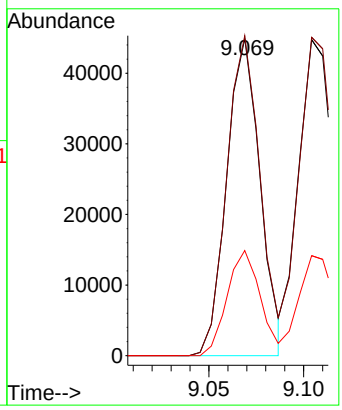




#43
2,4,6-Trichlorophenol
Concen: 10.241 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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



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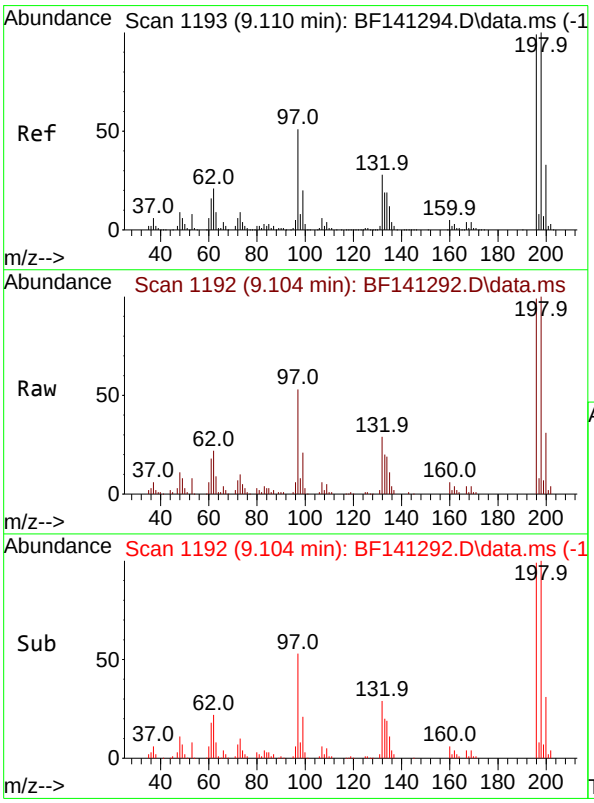
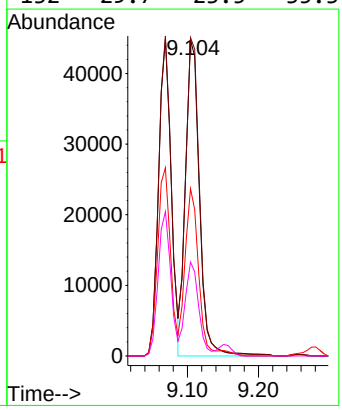
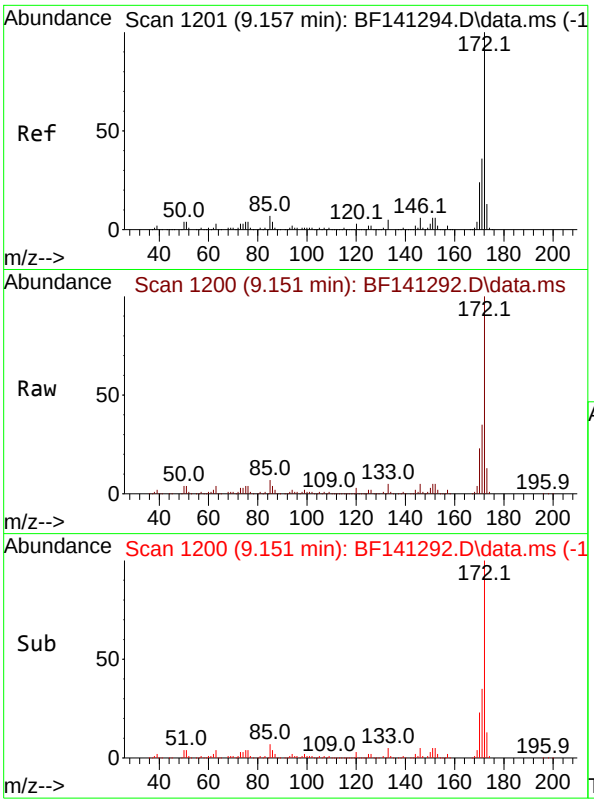


#44
2,4,5-Trichlorophenol
Concen: 10.518 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

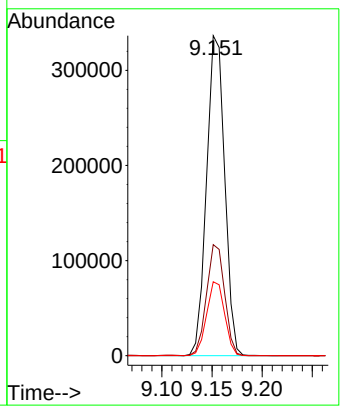




#45
2-Fluorobiphenyl
Concen: 22.581 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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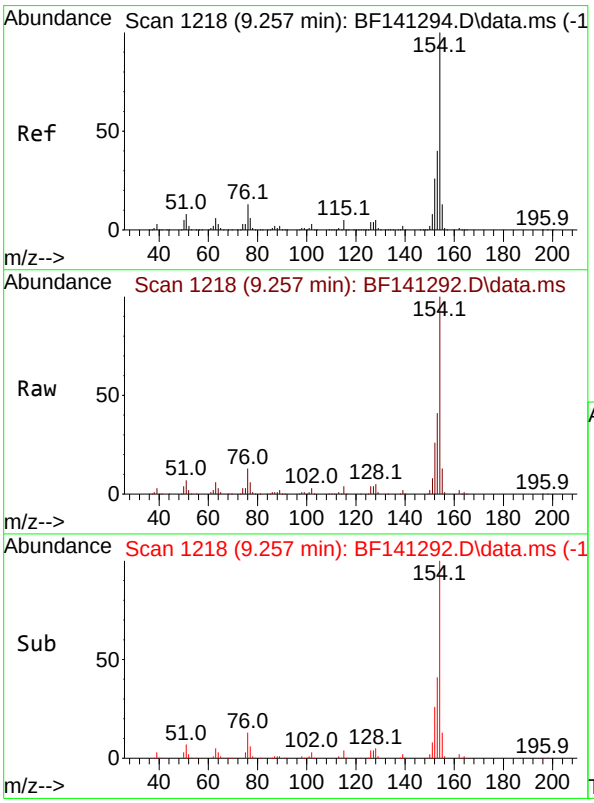
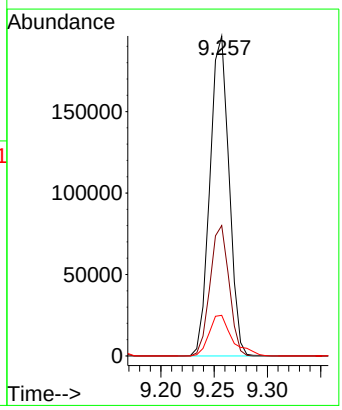
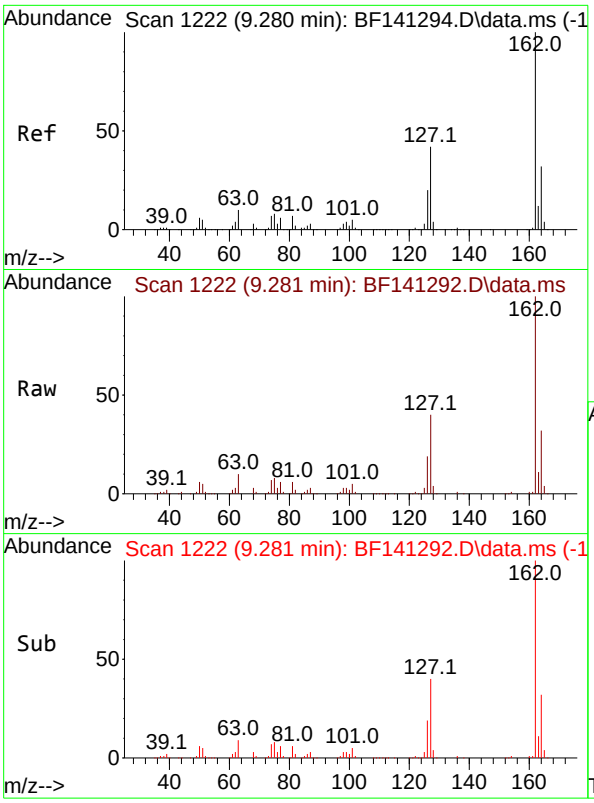


#46
1,1'-Biphenyl
Concen: 10.847 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

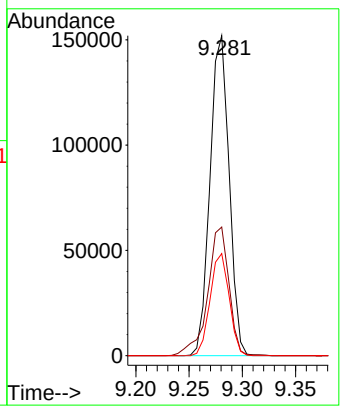




#47
2-Chloronaphthalene
Concen: 10.812 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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



Instrument :
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ClientSampleId :
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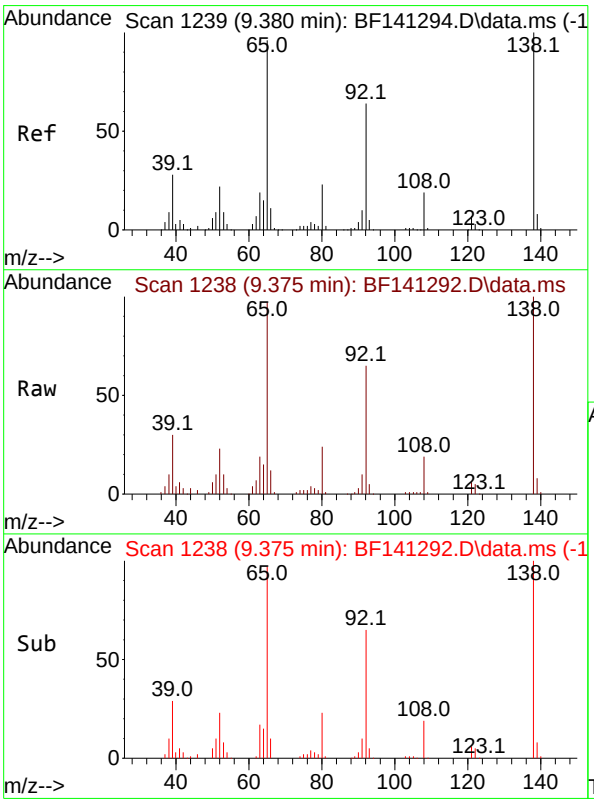
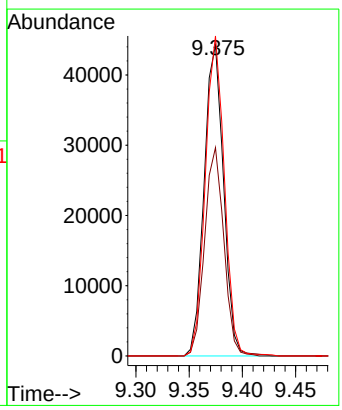
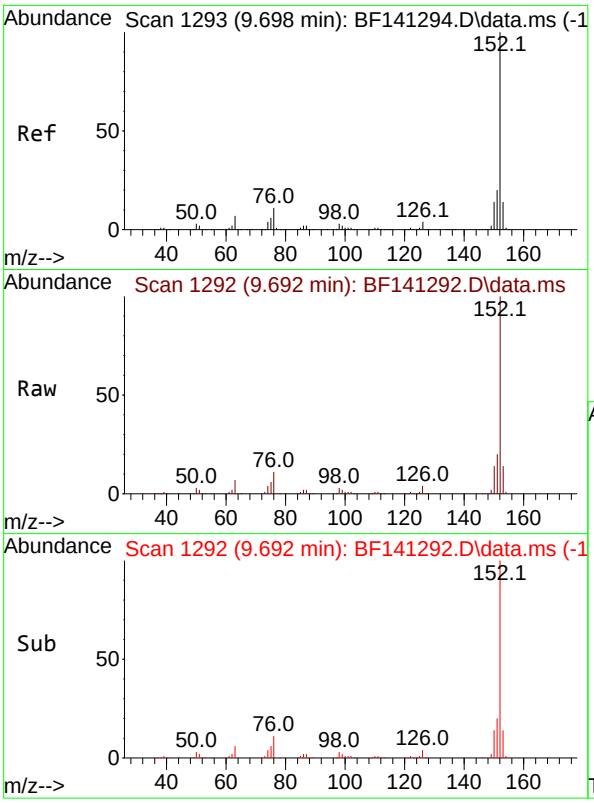


#48
2-Nitroaniline
Concen: 10.164 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

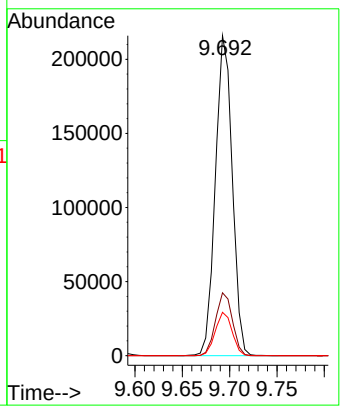




#49
Acenaphthylene
Concen: 10.895 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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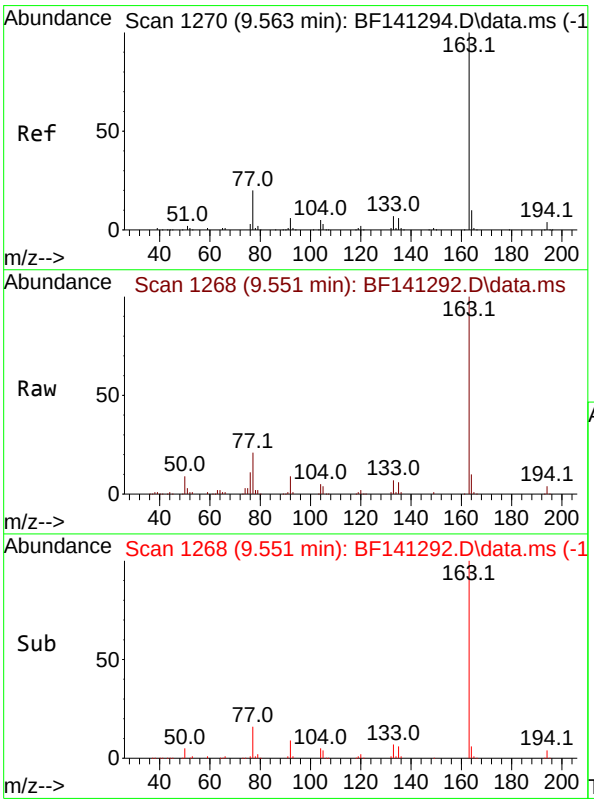
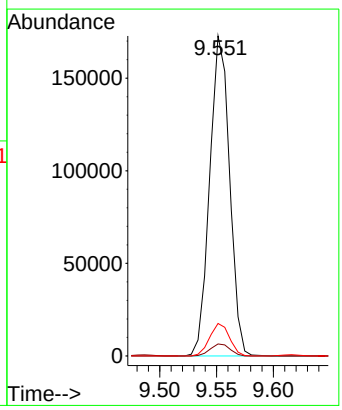
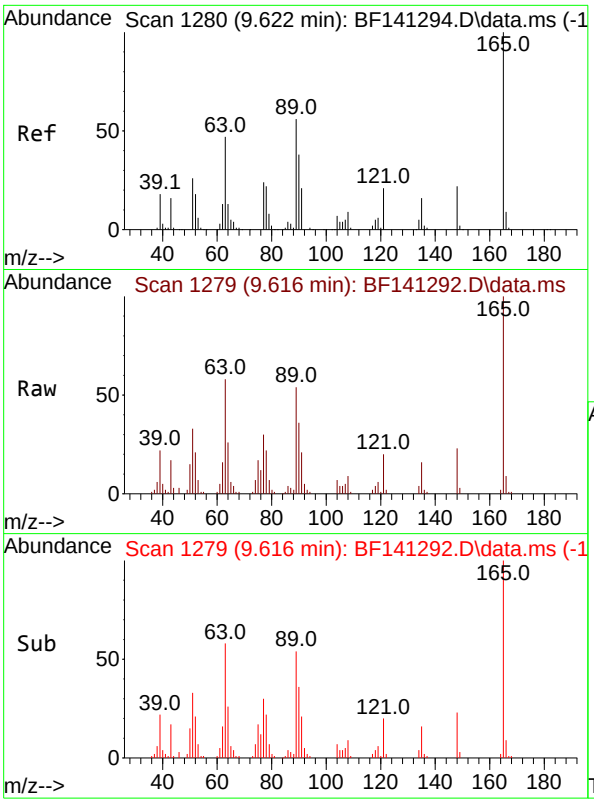


#50
Dimethylphthalate
Concen: 10.857 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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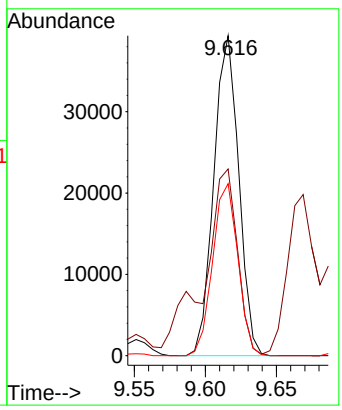
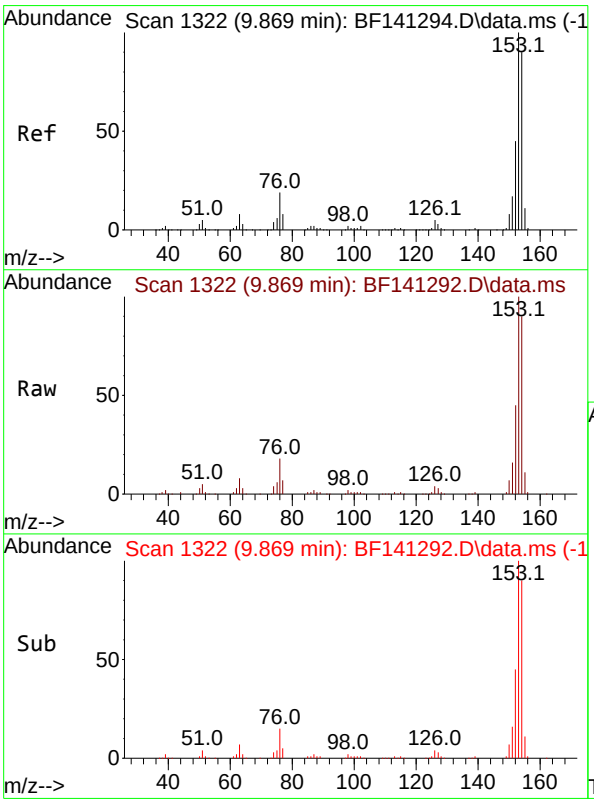
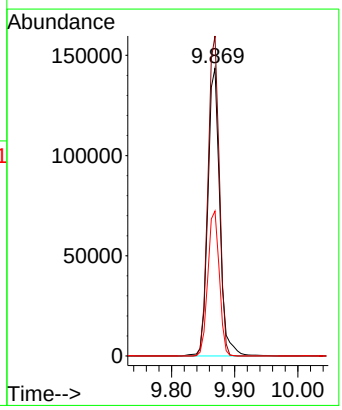


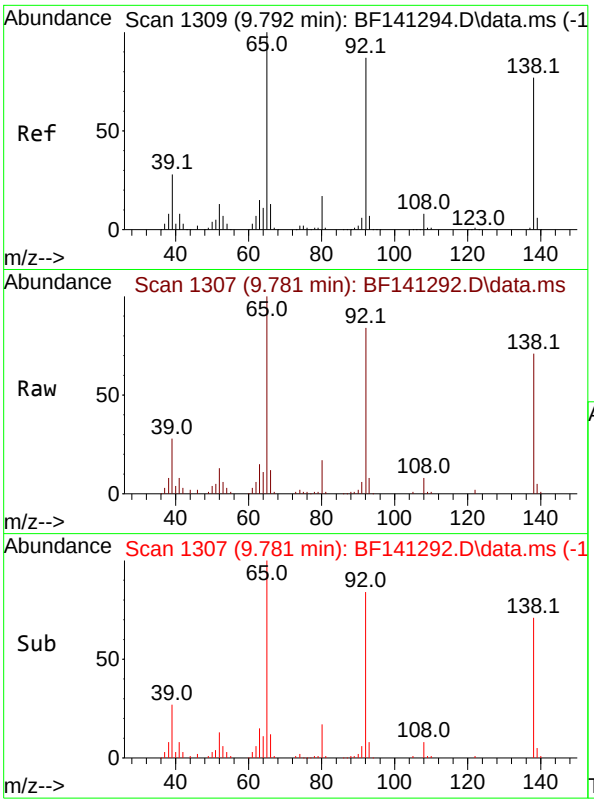


#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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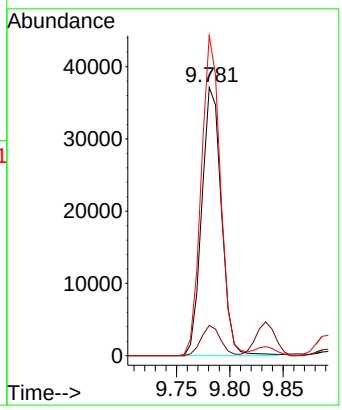
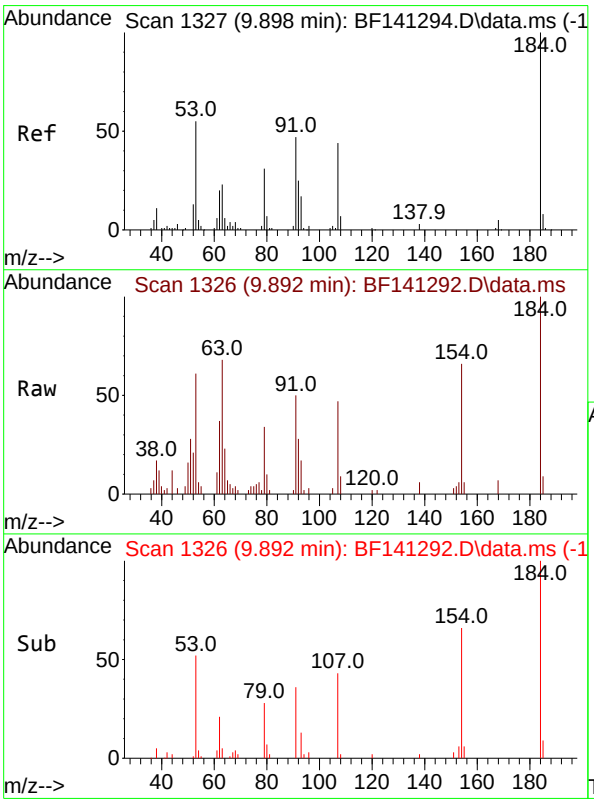
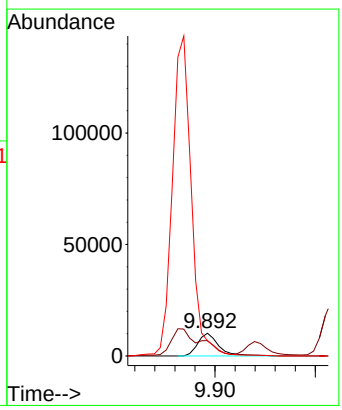


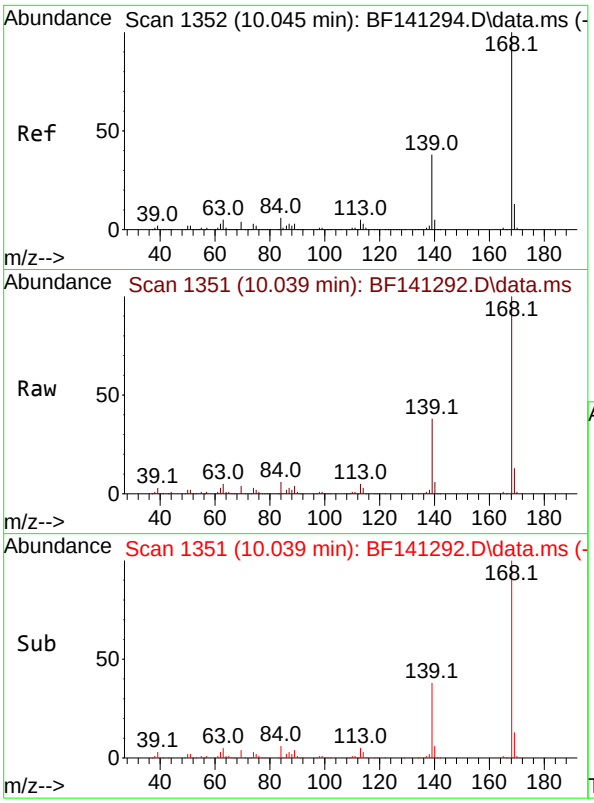


#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

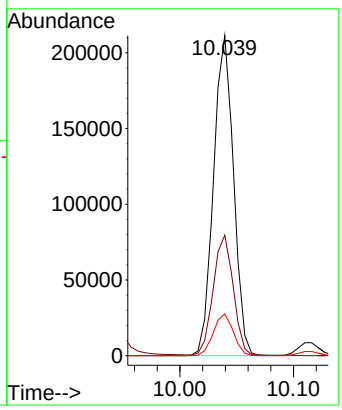




#55
Dibenzofuran
Concen: 11.038 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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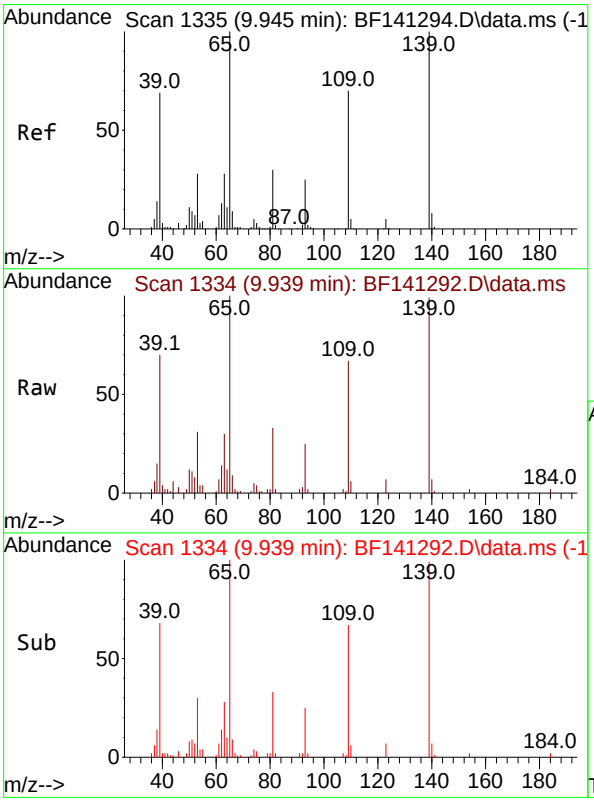
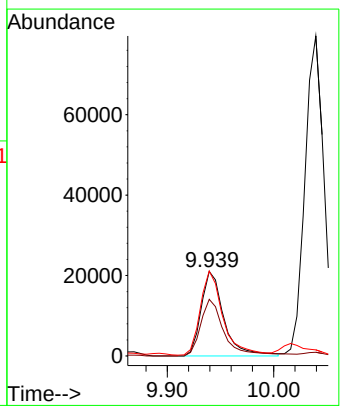
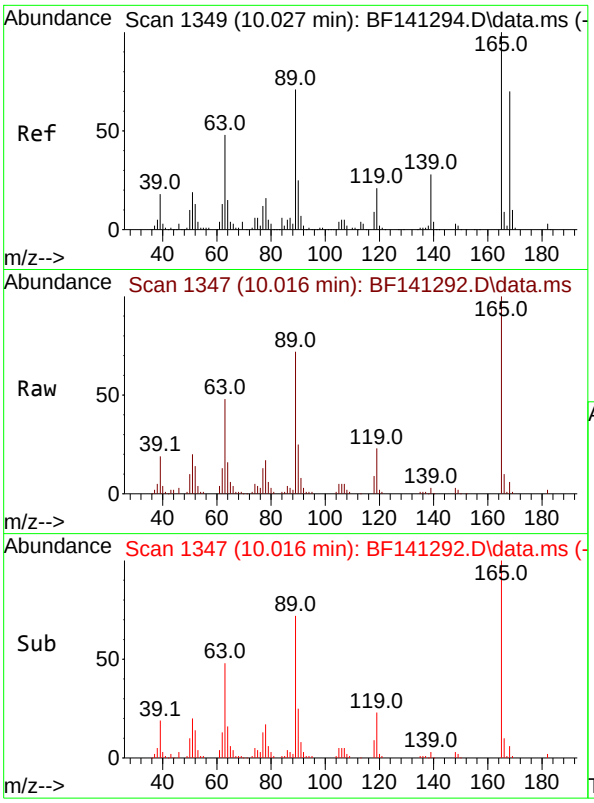


#56
4-Nitrophenol
Concen: 9.722 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

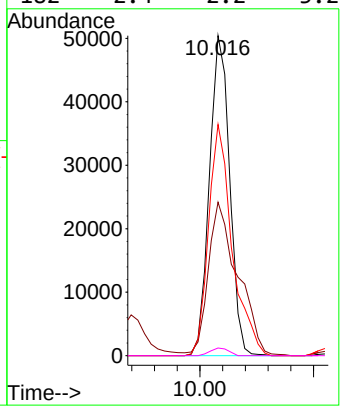




#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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ClientSampleId :
SSTDICC010

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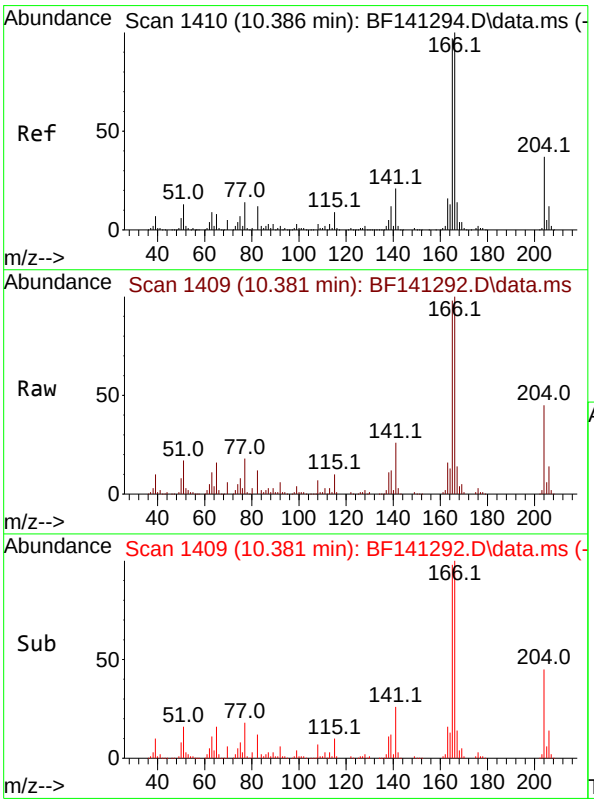
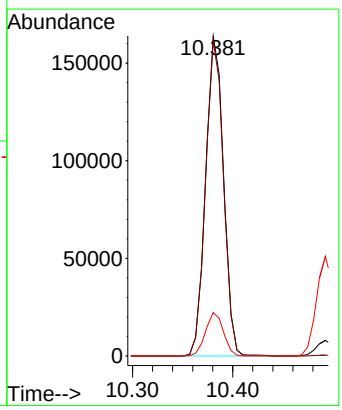
Supervised By :mohammad ahmed 02/04/2025

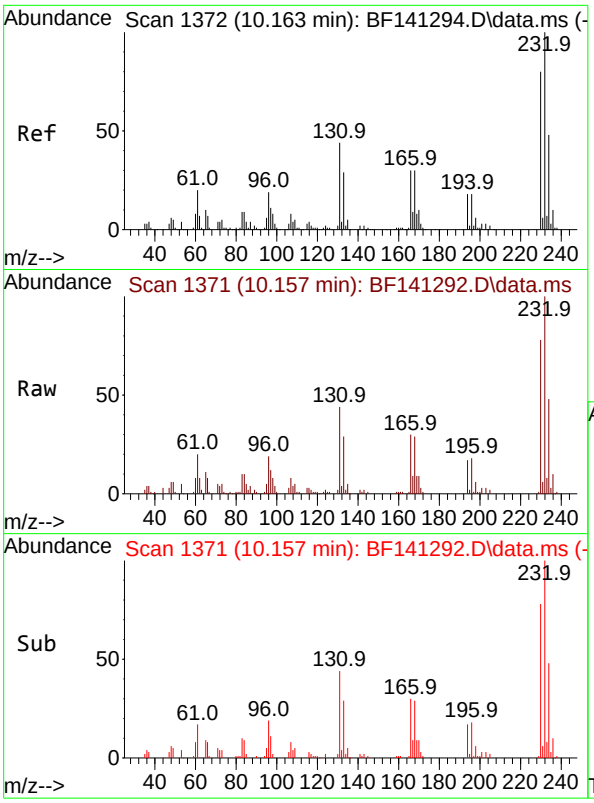


#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

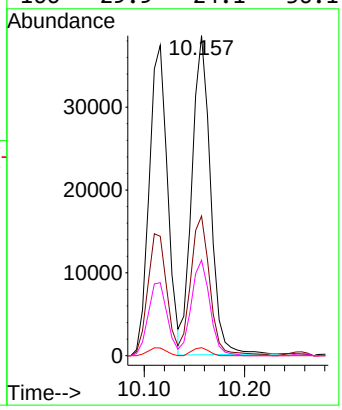




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
SSTDICC010

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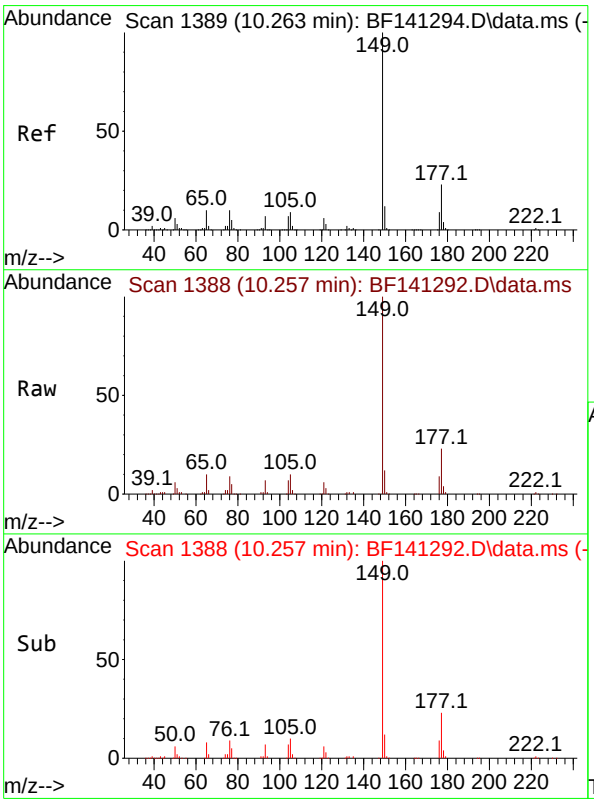
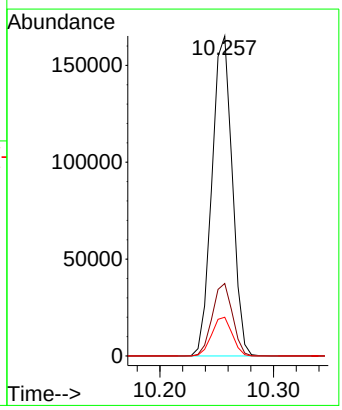
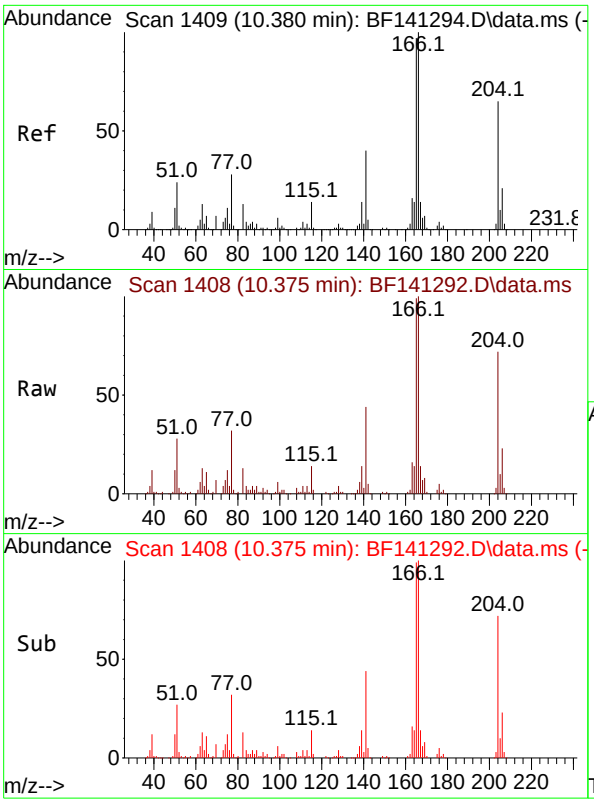


#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
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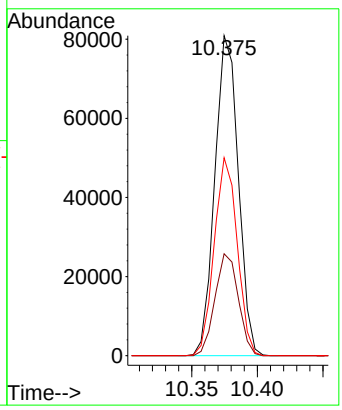
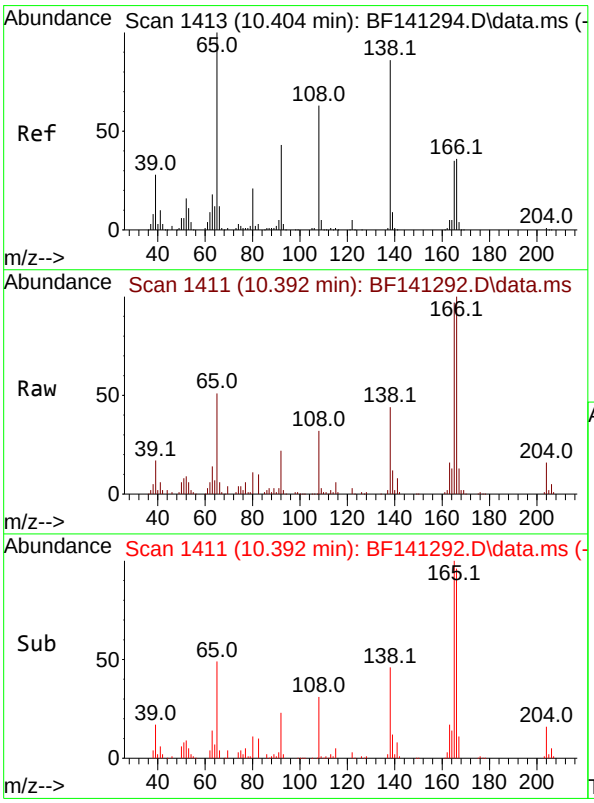
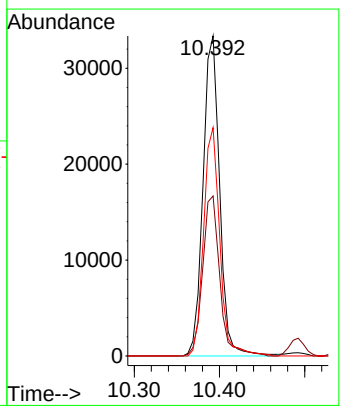


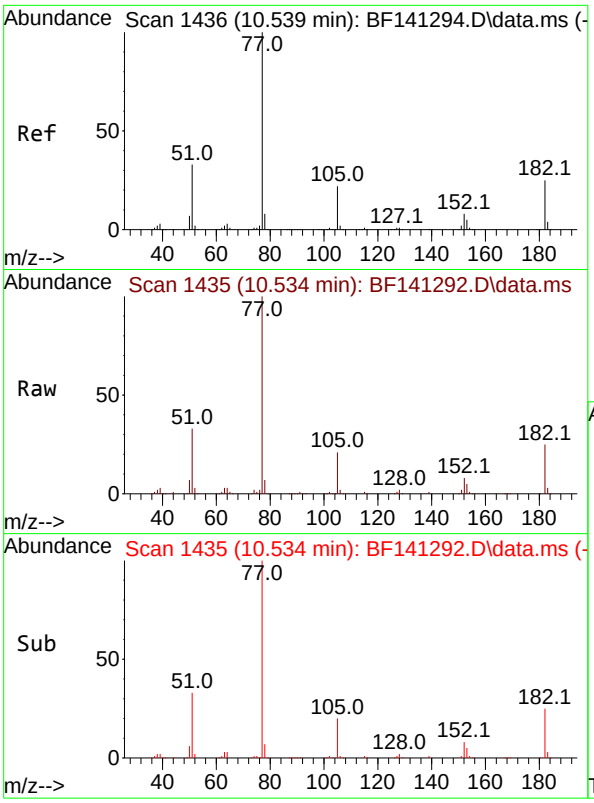


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

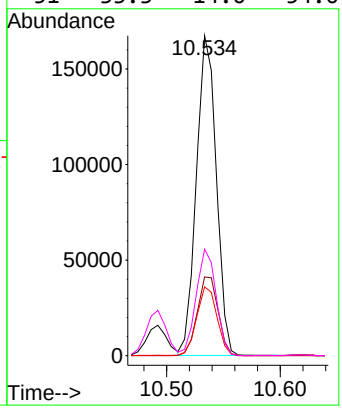




#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
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ClientSampleId :
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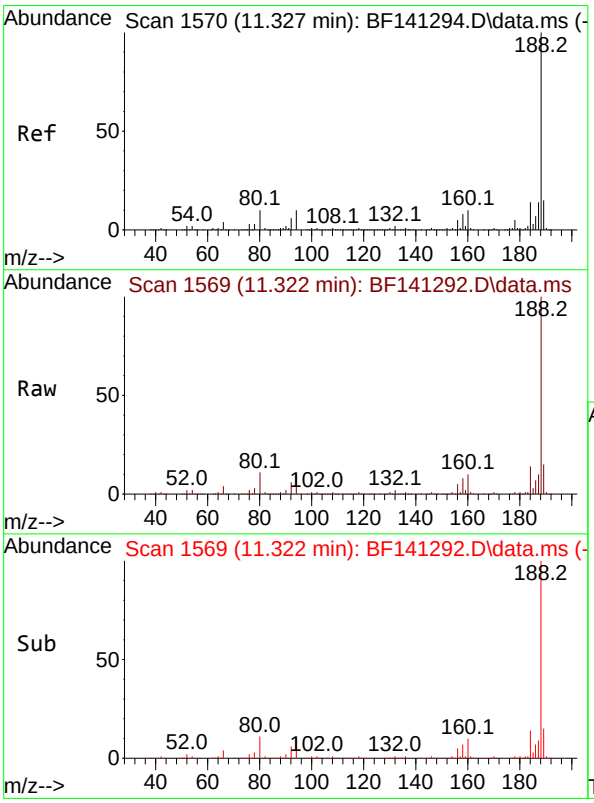
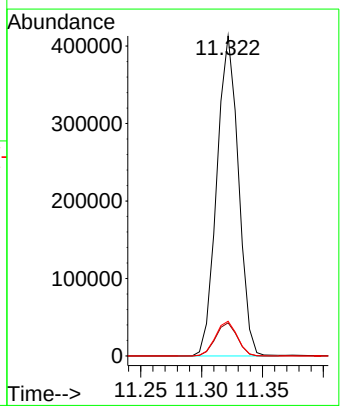
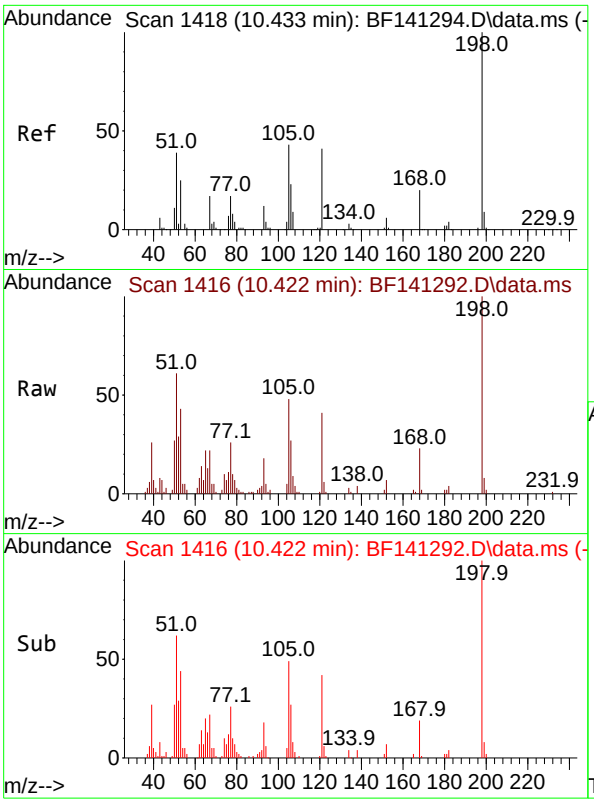


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
SSTDICC010

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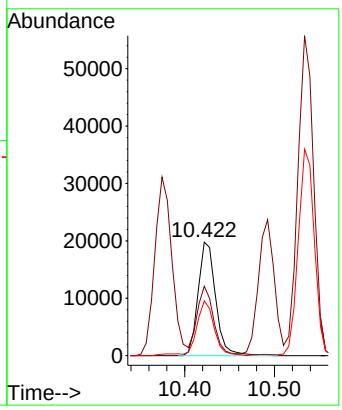
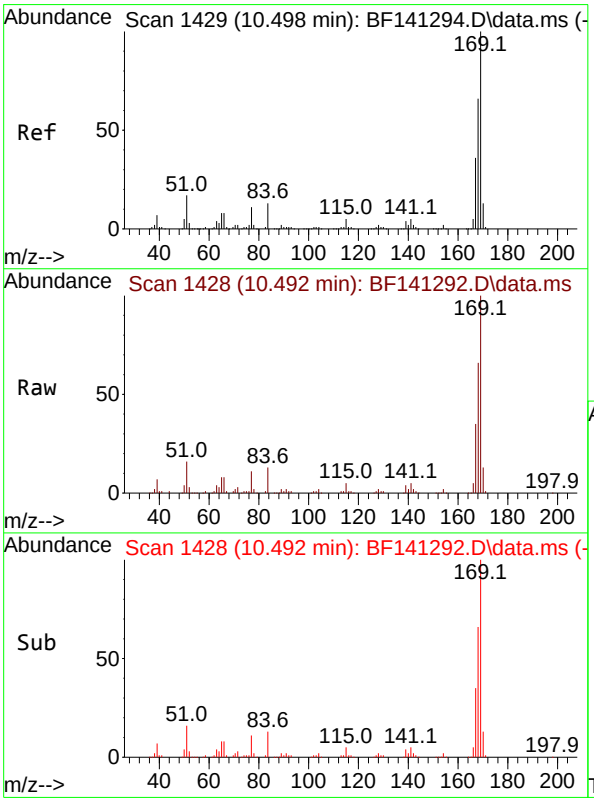
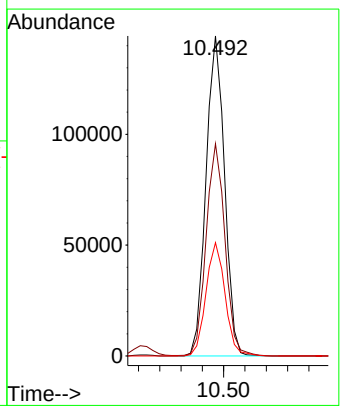


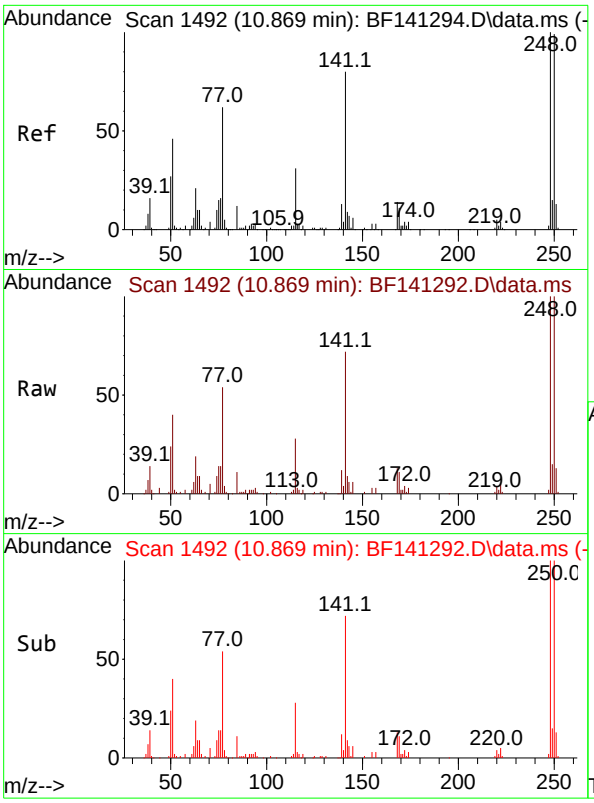


#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

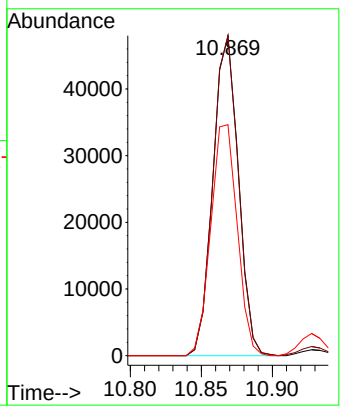




#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
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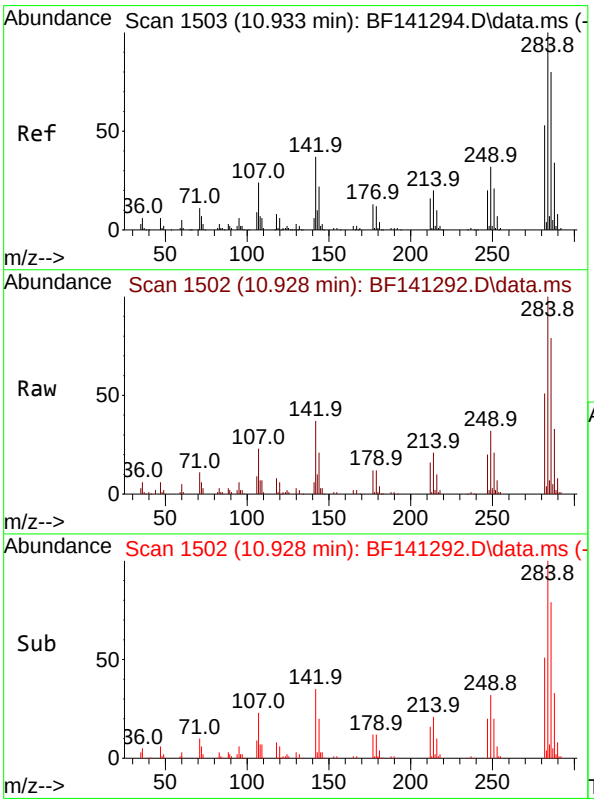
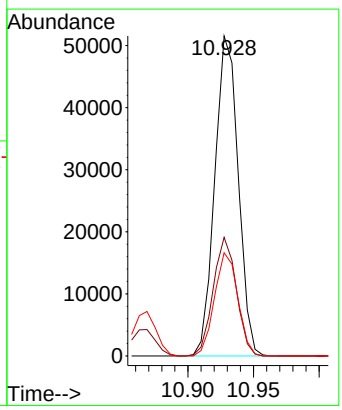
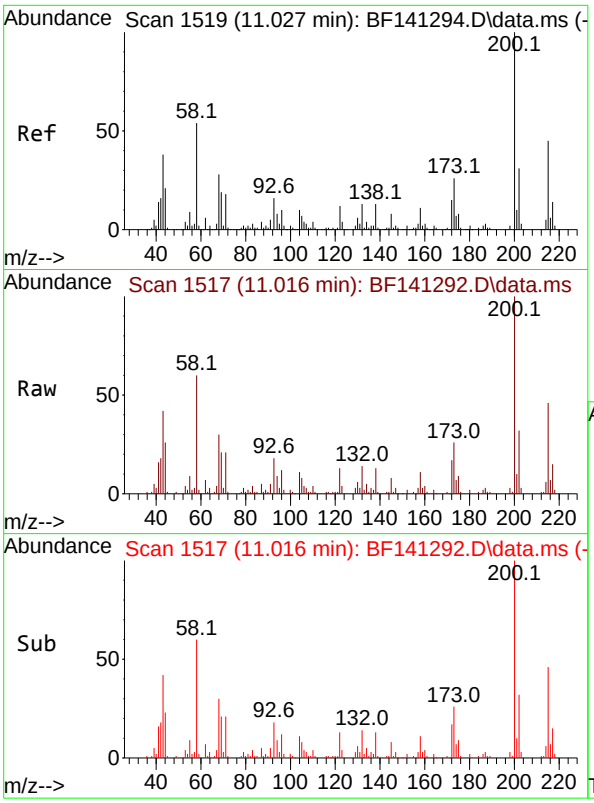


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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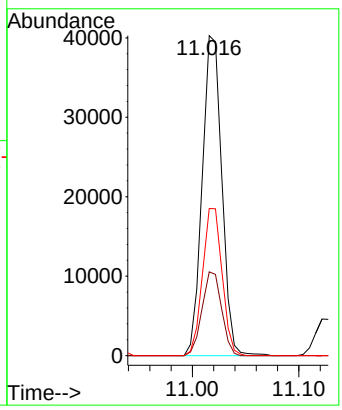
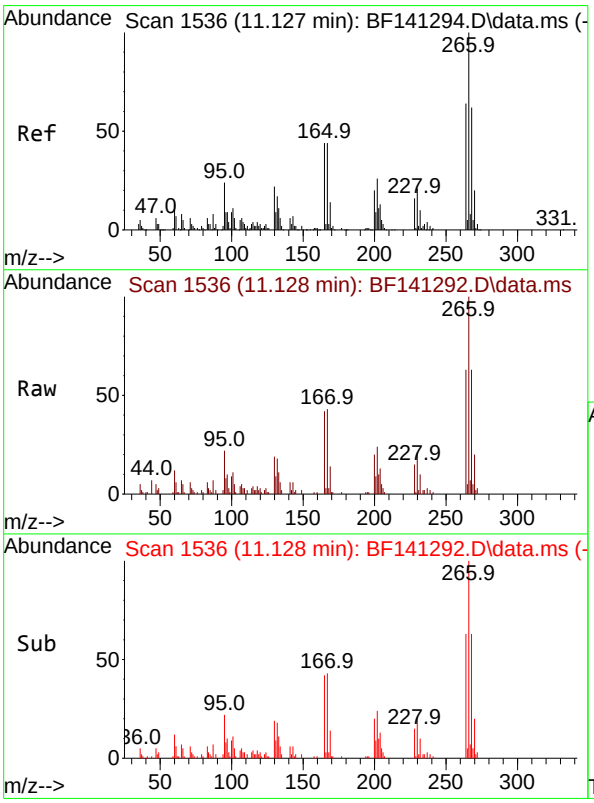
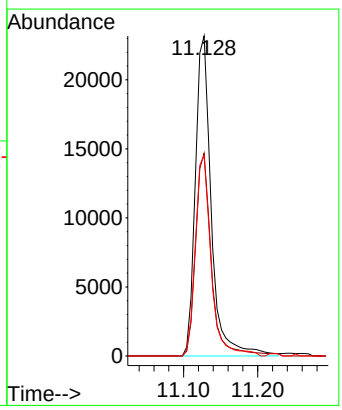


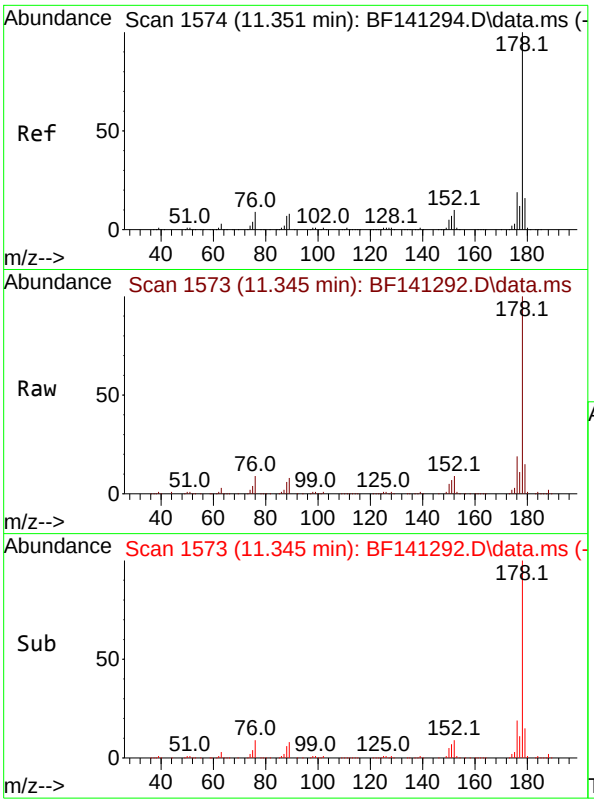


#70
Pentachlorophenol
Concen: 9.796 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

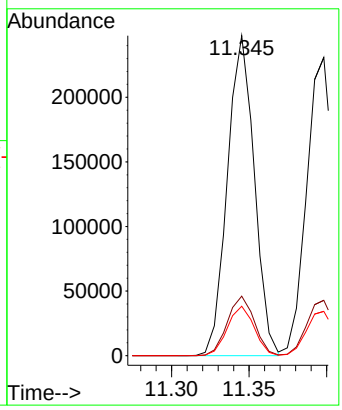




#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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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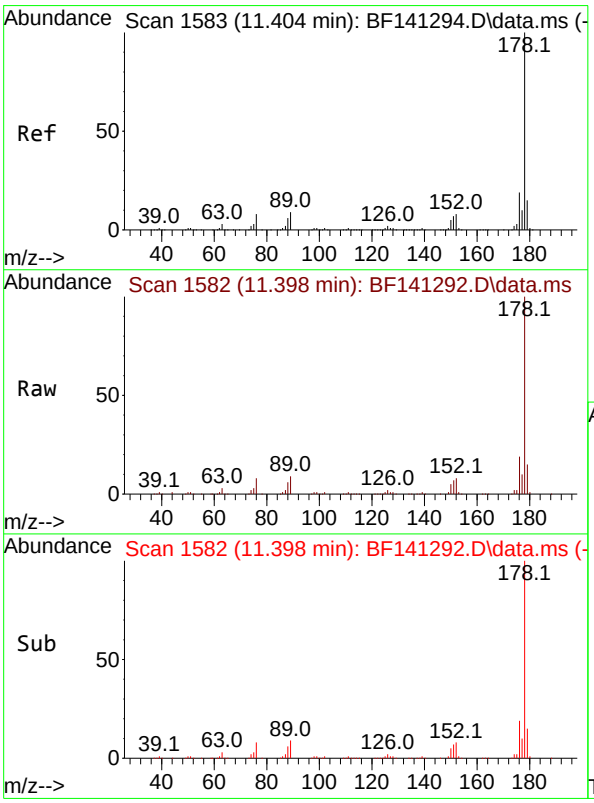
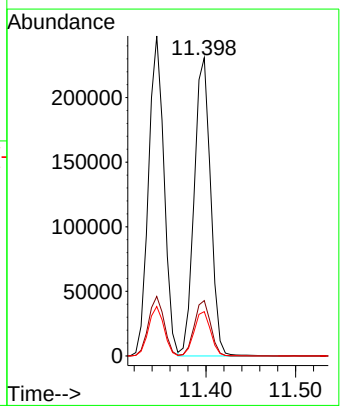
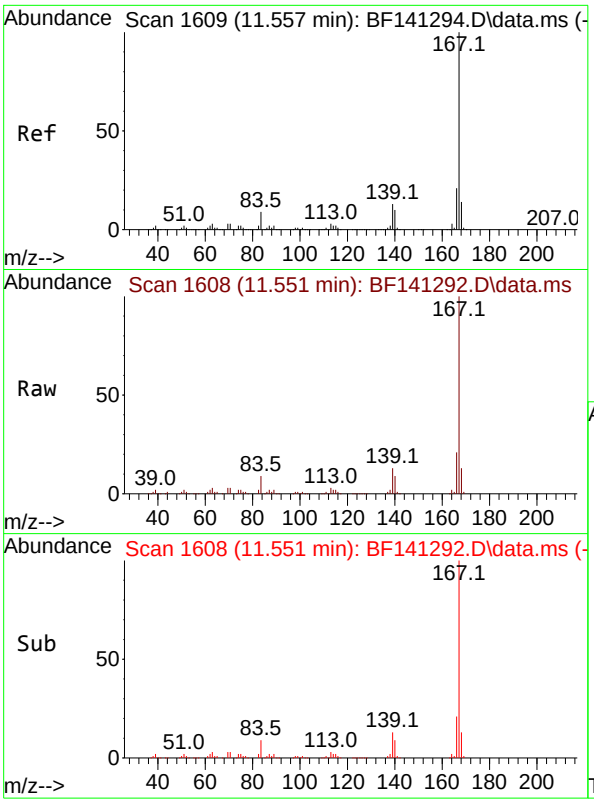


#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

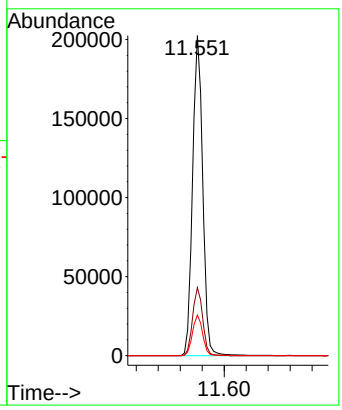




#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
SSTDICC010

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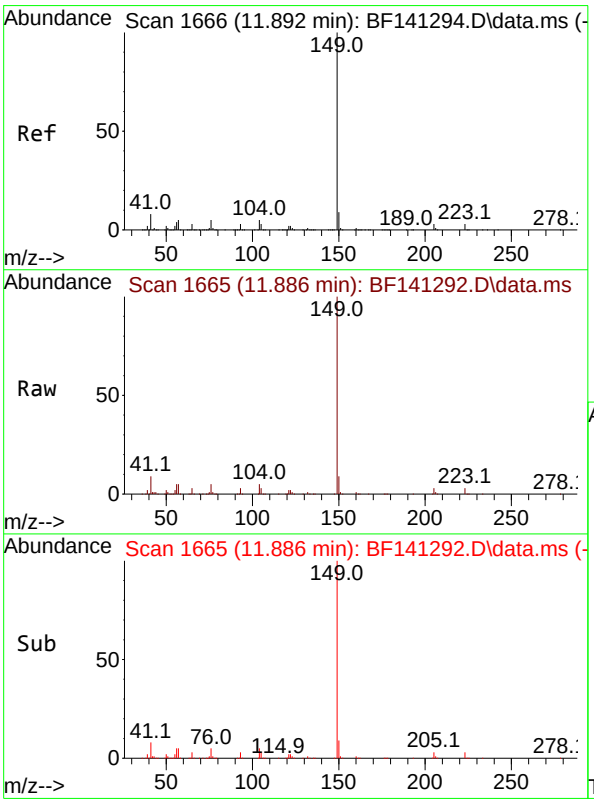
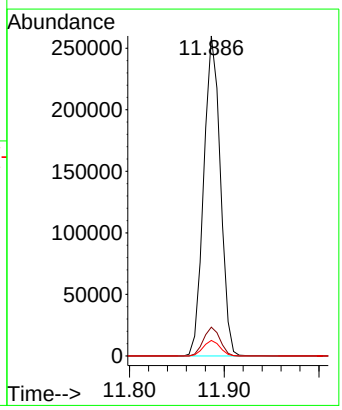
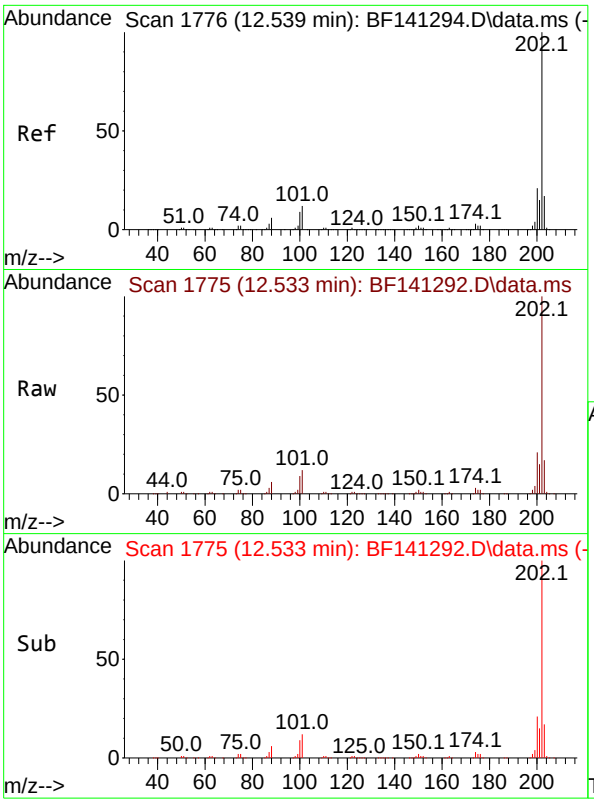


#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
SSTDICC010

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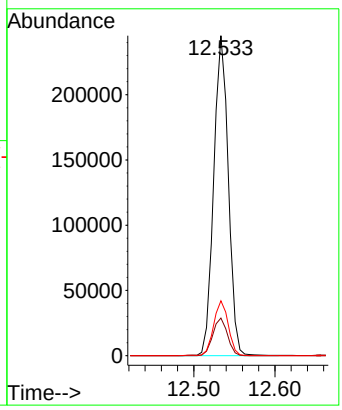
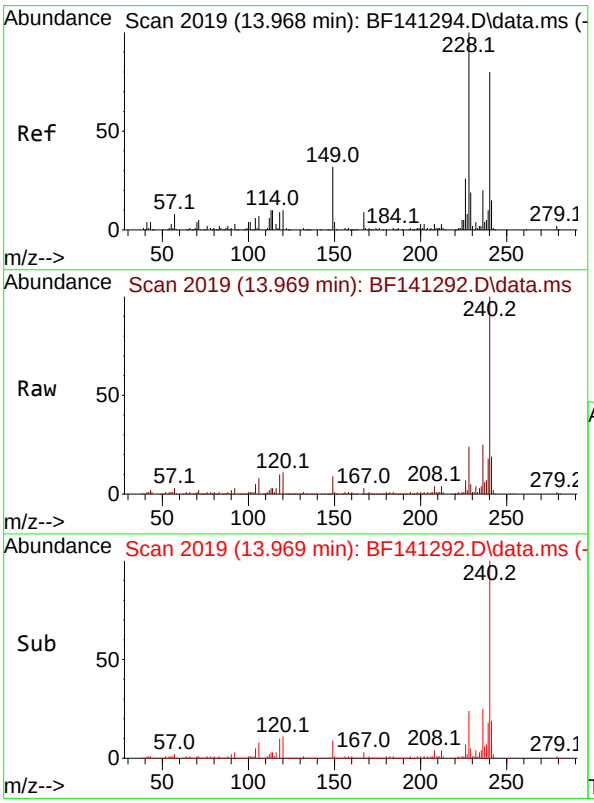
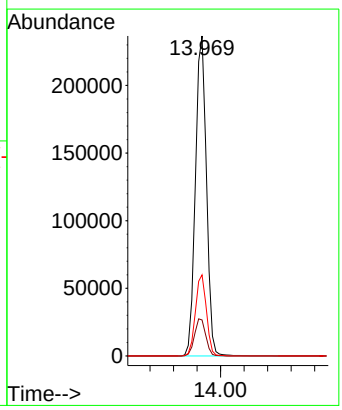


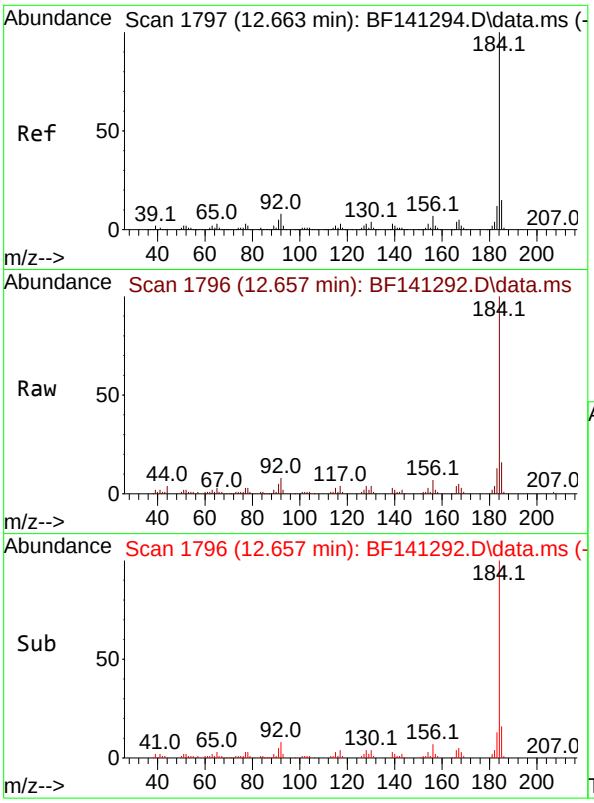


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

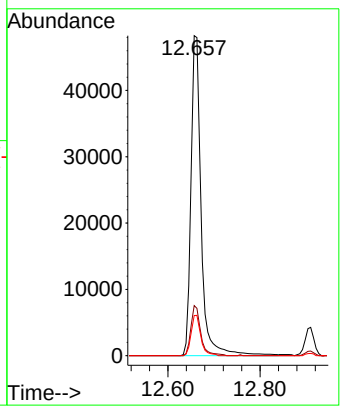




#77
Benzidine
Concen: 7.890 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 7391

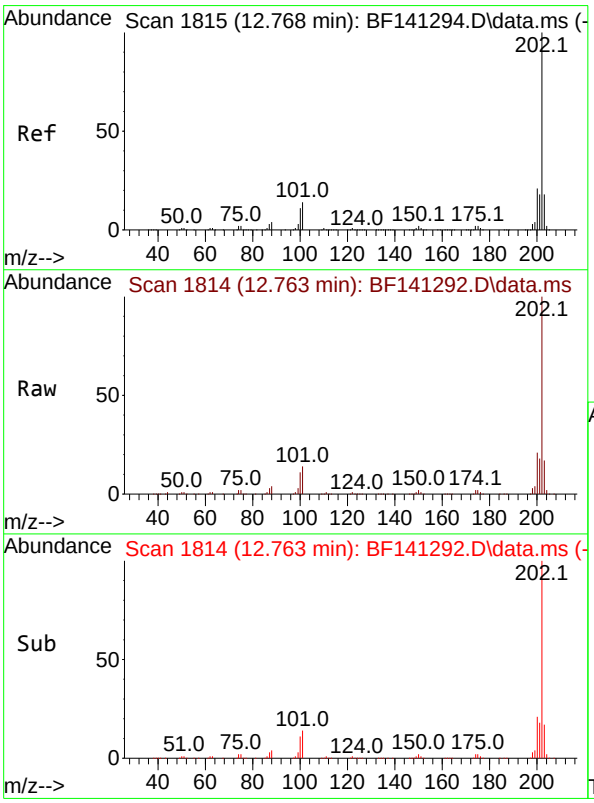
Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.9	17.9
183	12.6	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

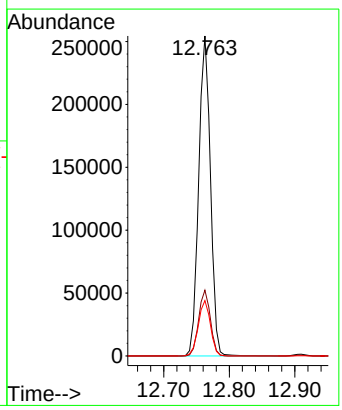
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

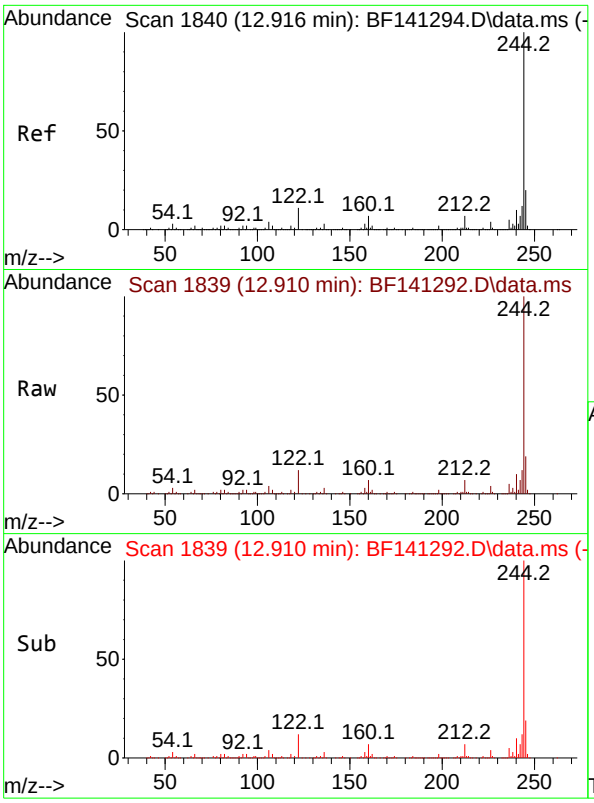


#78
Pyrene
Concen: 10.681 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

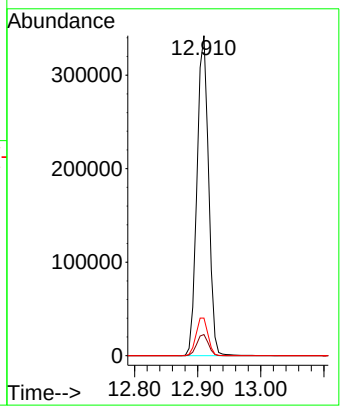




#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:244 Resp: 43478

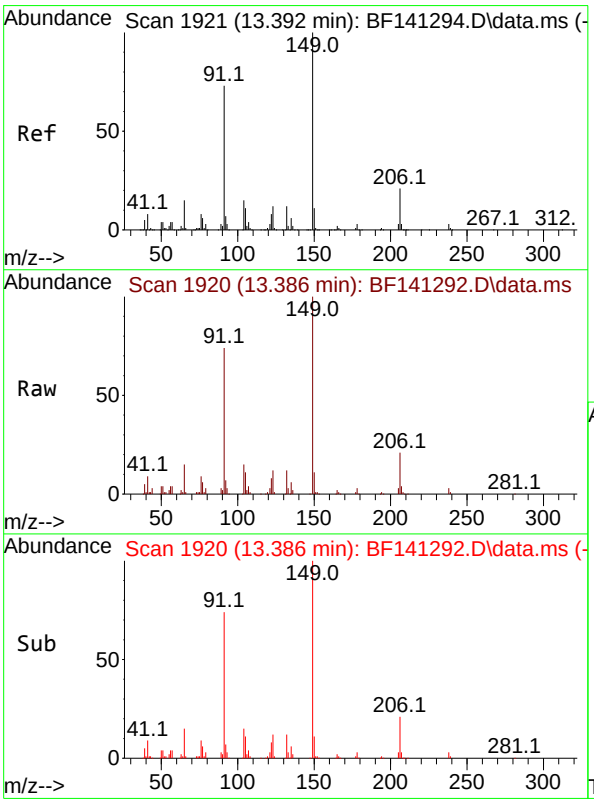
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

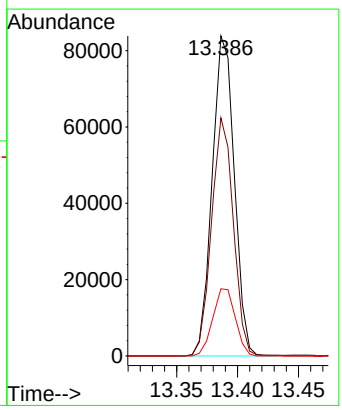
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

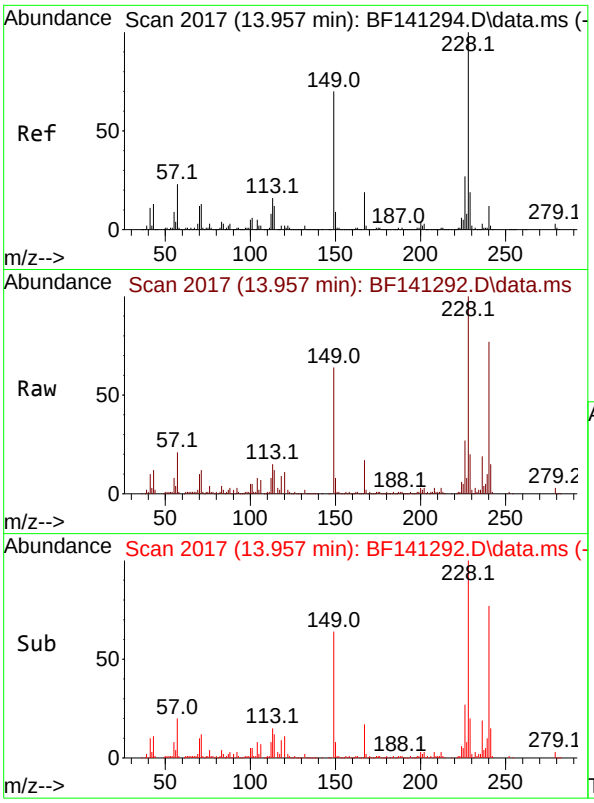


#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

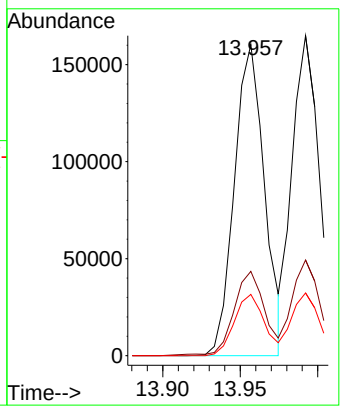




#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

Manual Integrations
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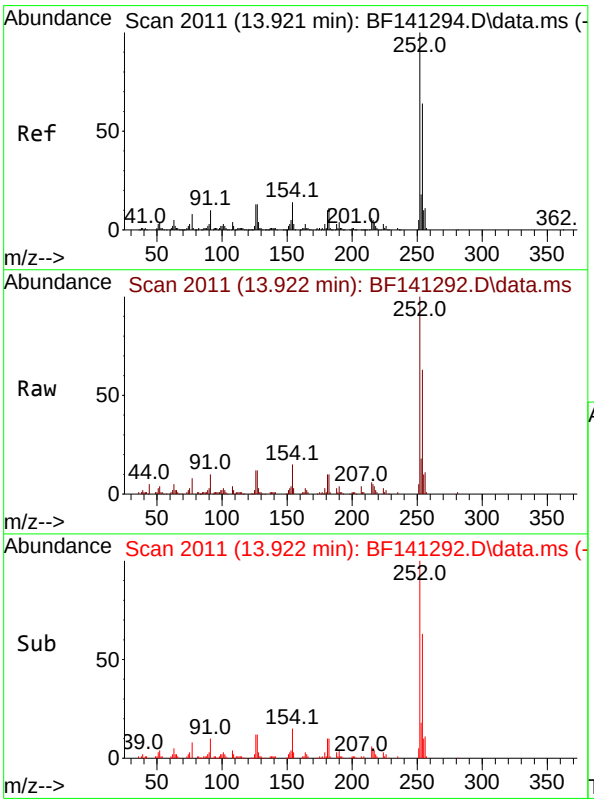
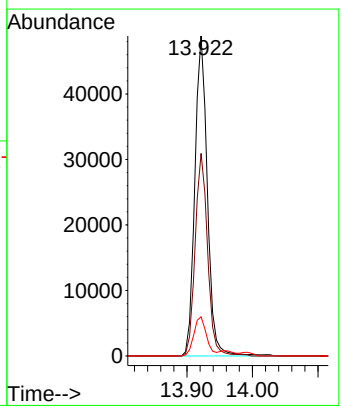
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

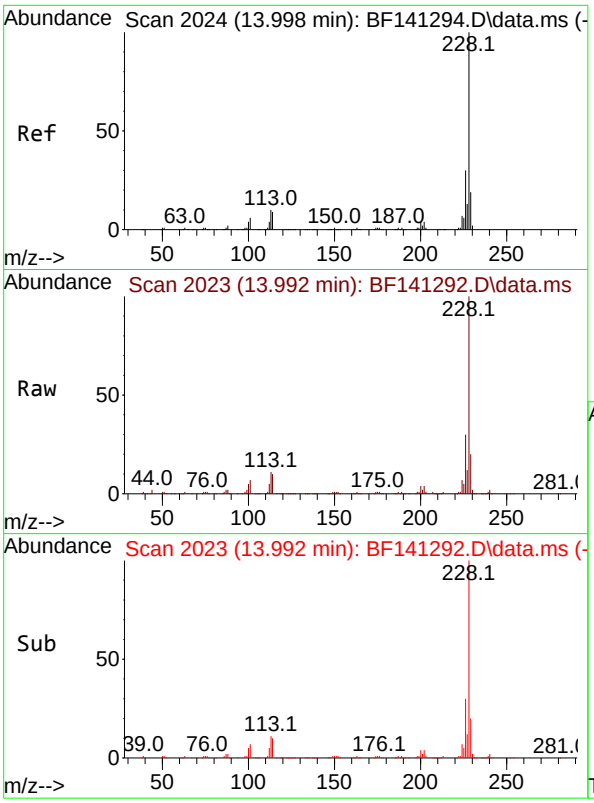


#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

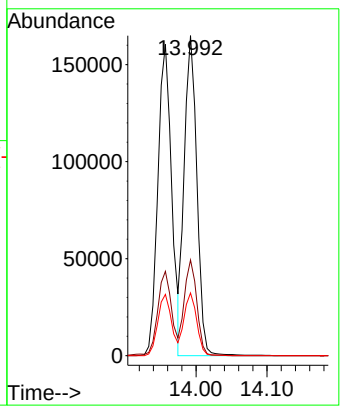




#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:228 Resp: 20408

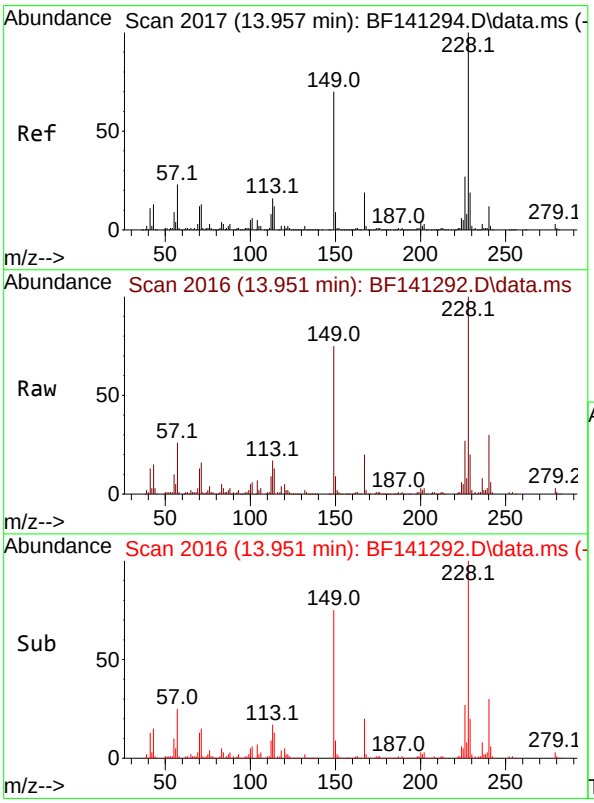
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

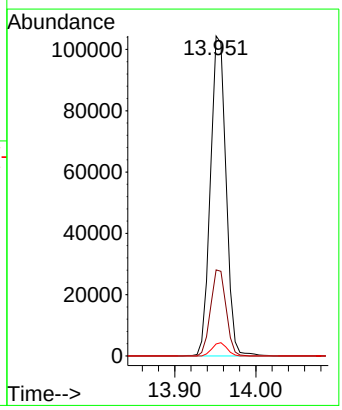
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

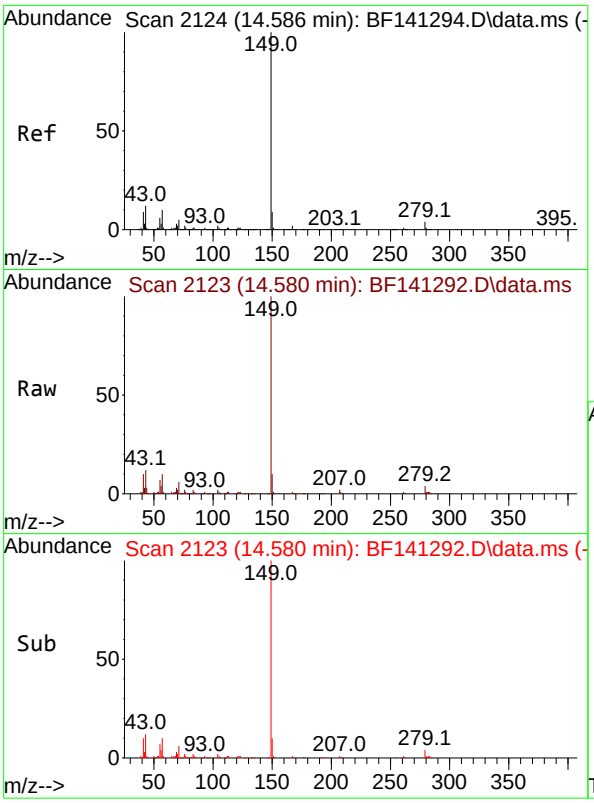


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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 :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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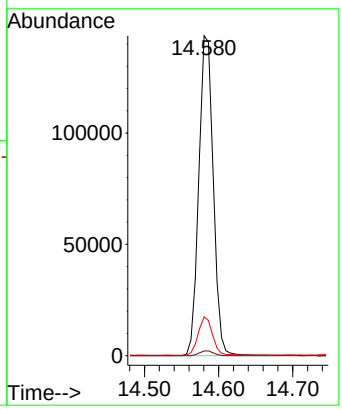
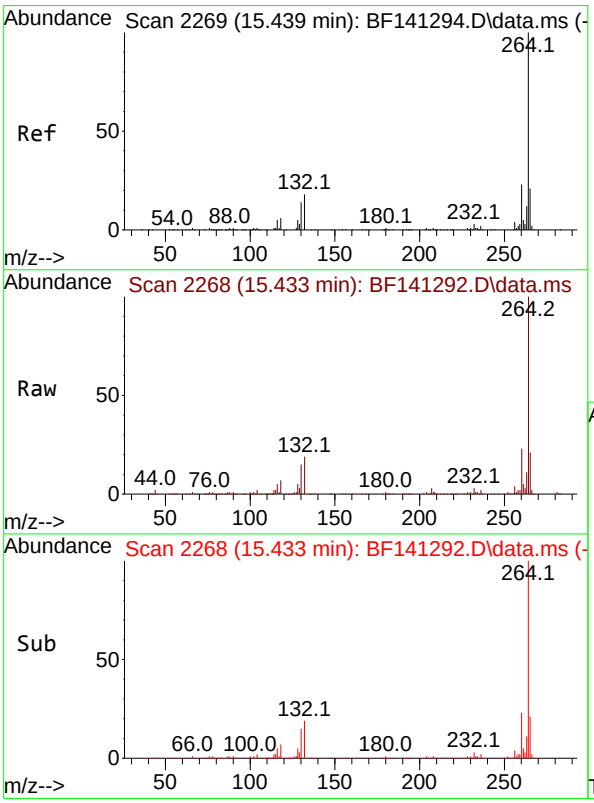
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

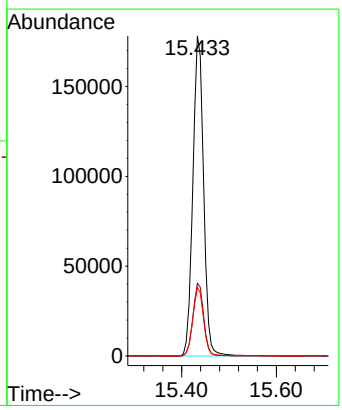


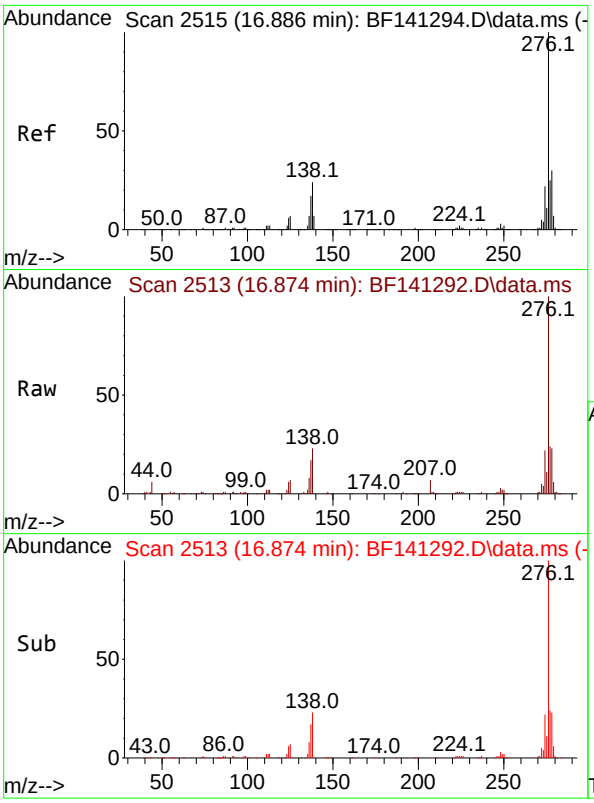


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

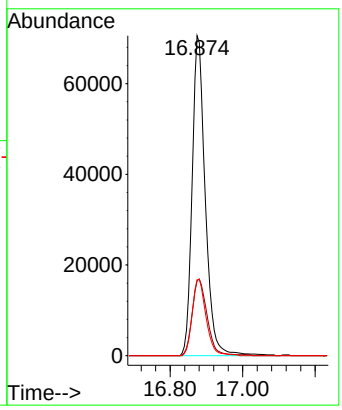




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.708 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 17755

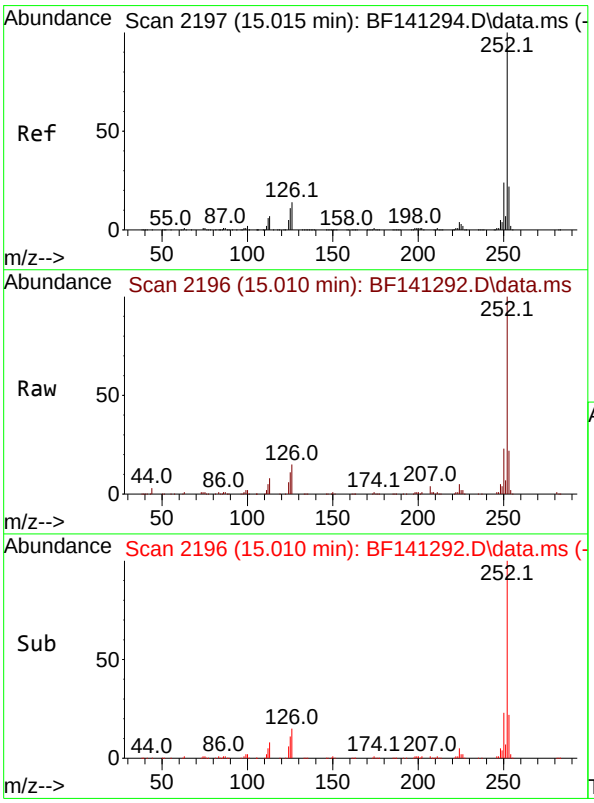
Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

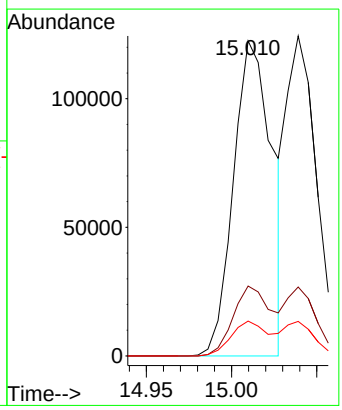
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

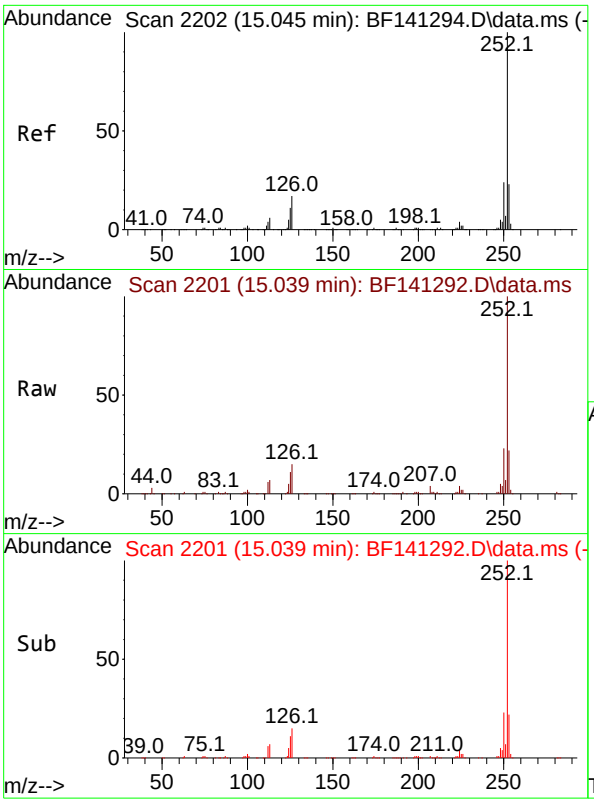


#88
Benzo(b)fluoranthene
Concen: 11.130 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

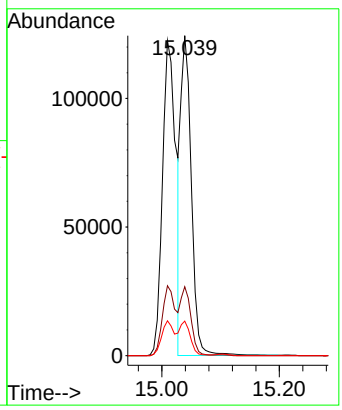




#89
Benzo(k)fluoranthene
Concen: 10.012 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

Manual Integrations
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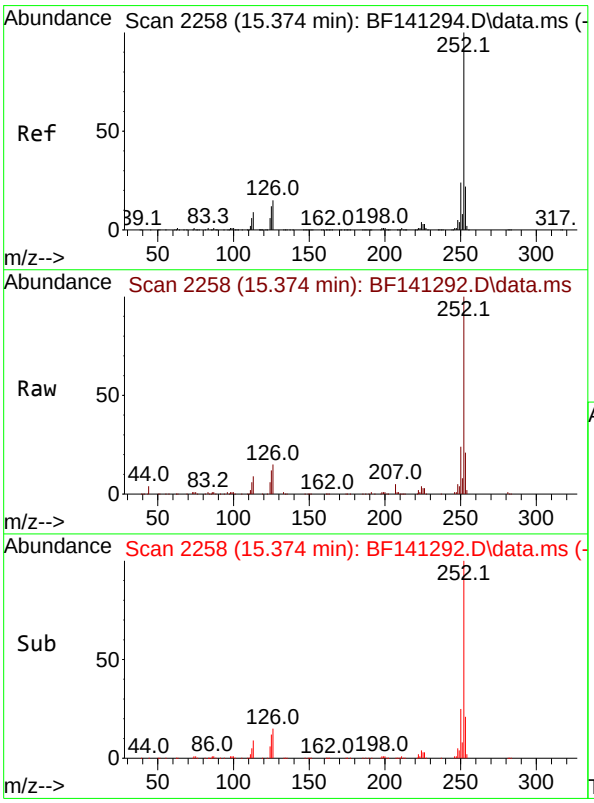
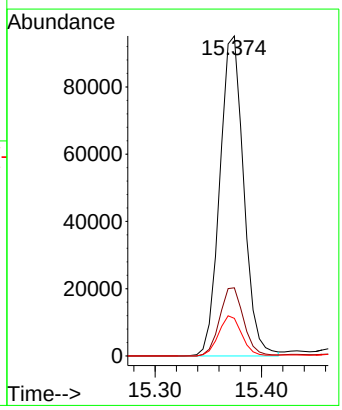
Supervised By :mohammad ahmed 02/04/2025

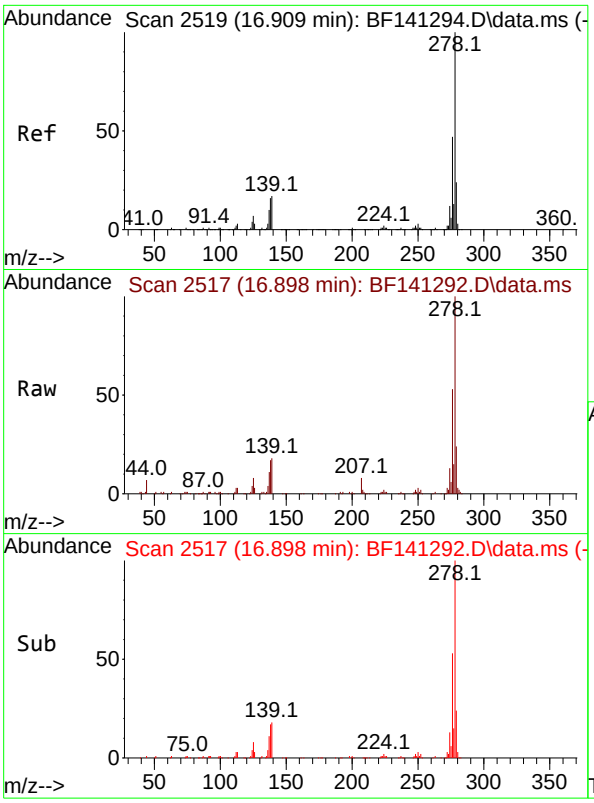


#90
Benzo(a)pyrene
Concen: 9.972 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

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

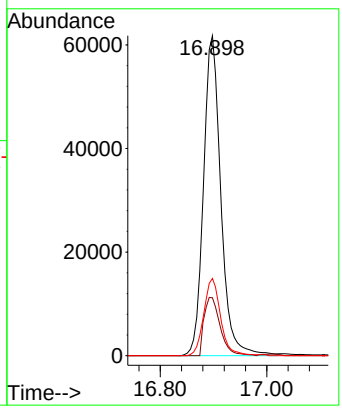




#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:278 Resp: 14014

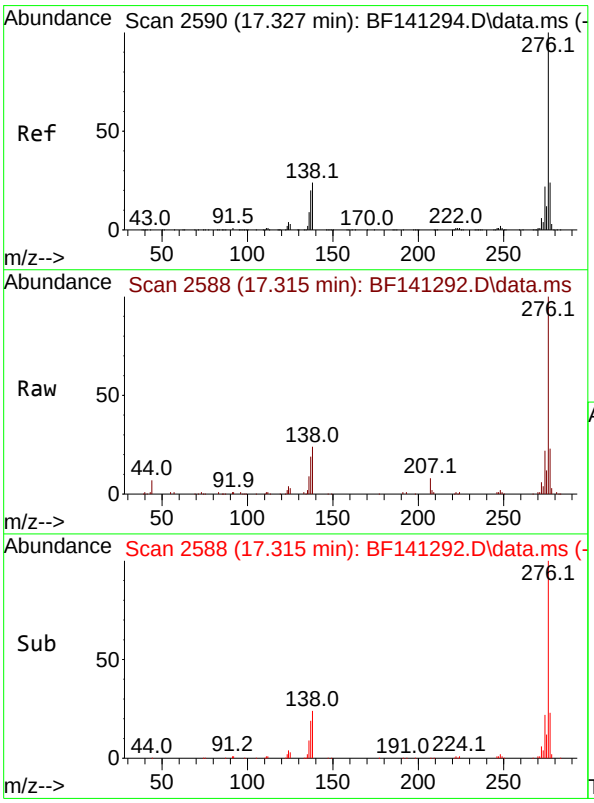
Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.9	20.9
279	24.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

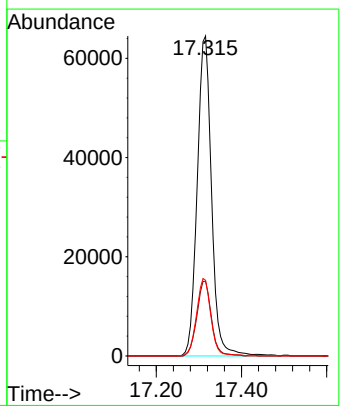
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

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

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

ICAL Form

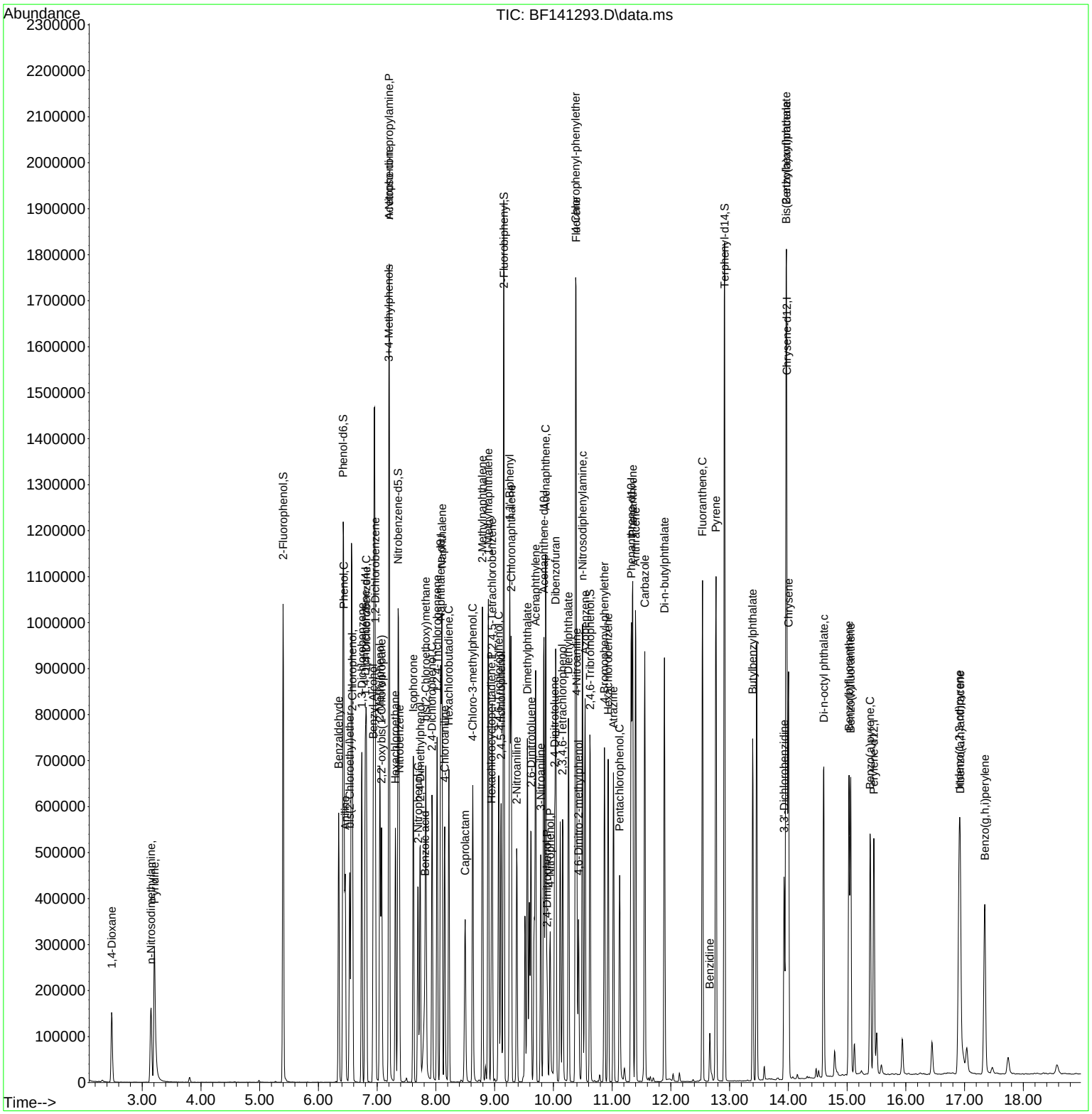
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

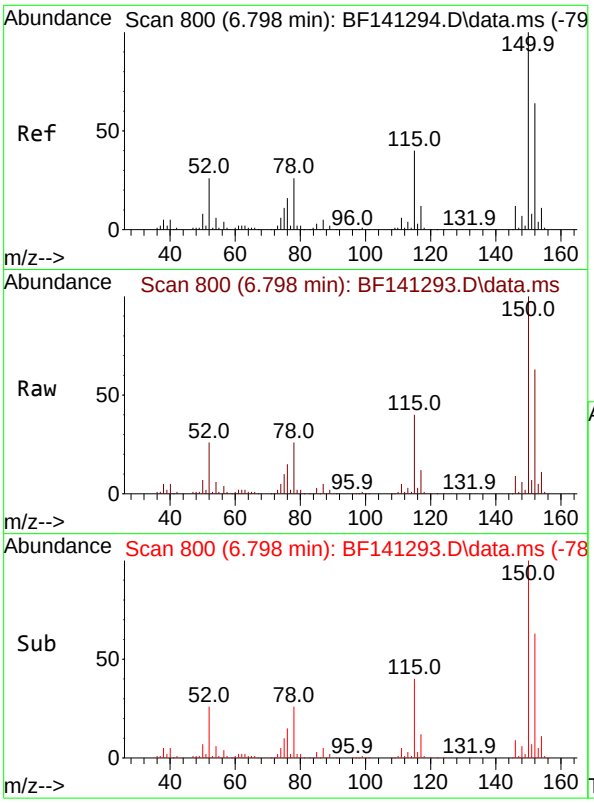
Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

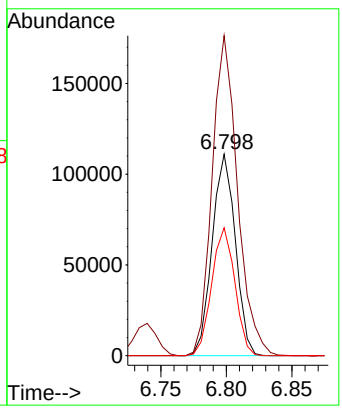




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 13649

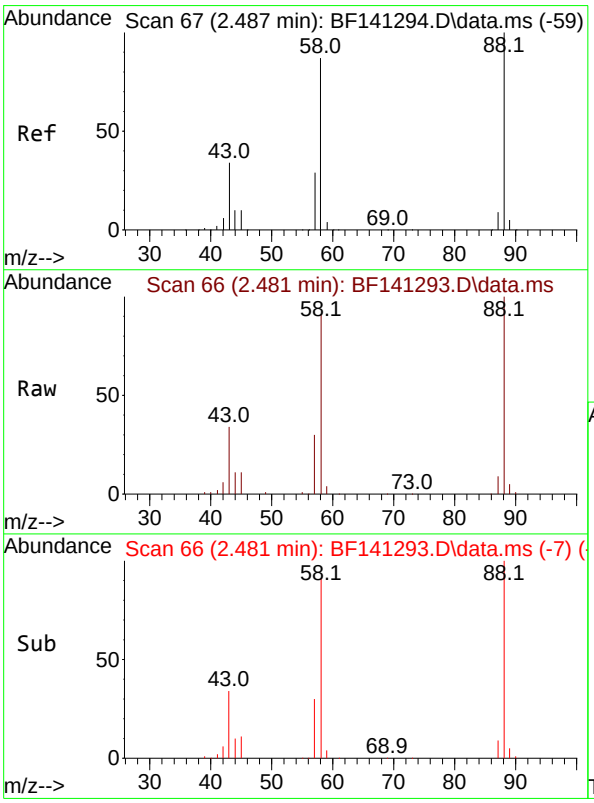
Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.9	188.9
115	63.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

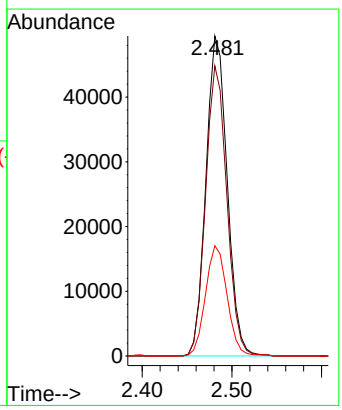
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

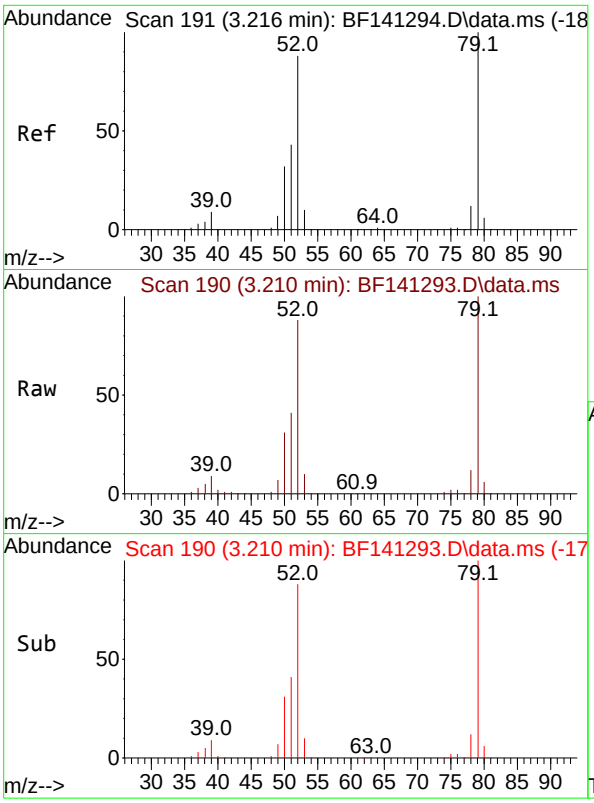


#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

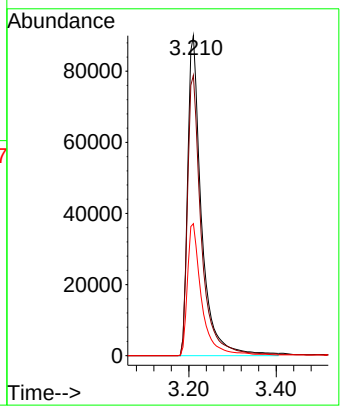




#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 19785

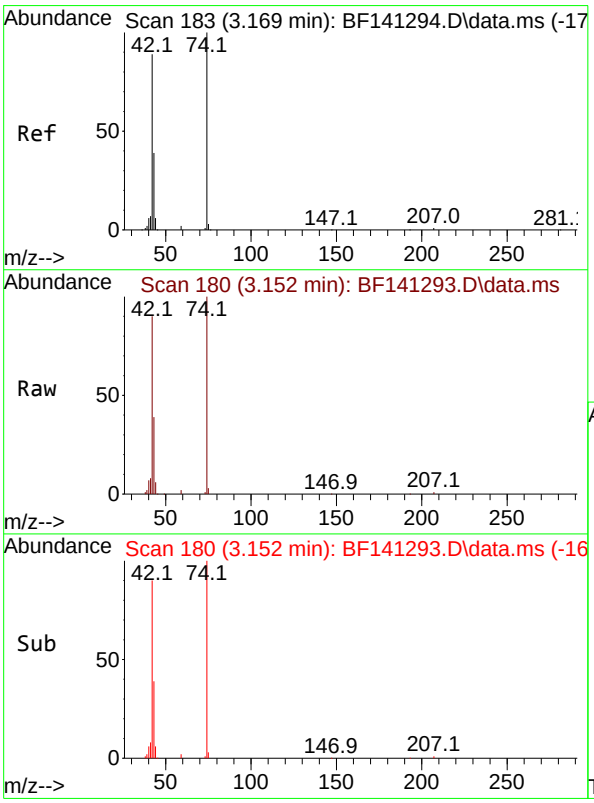
Ion	Ratio	Lower	Upper
79	100		
52	87.6	70.3	105.5
51	41.2	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

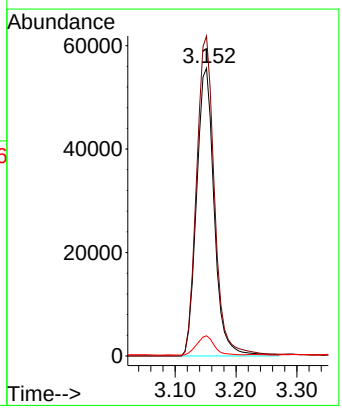
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

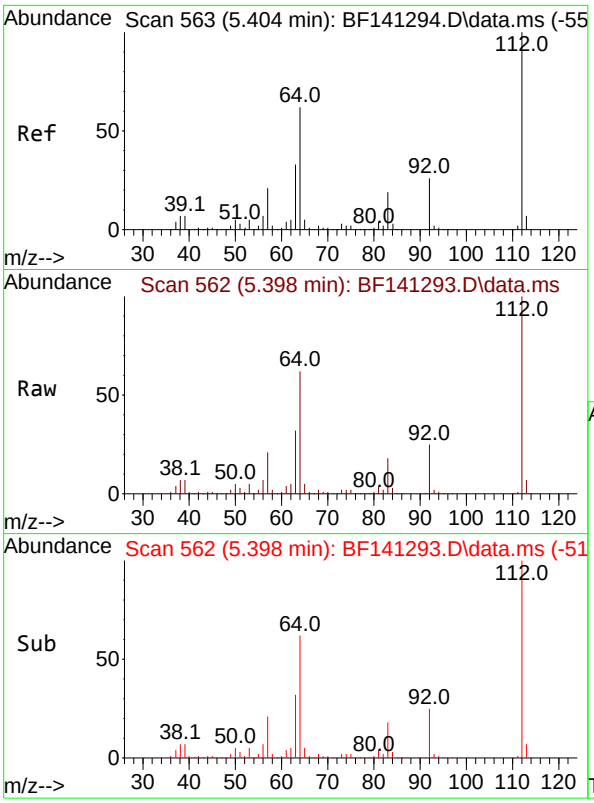


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

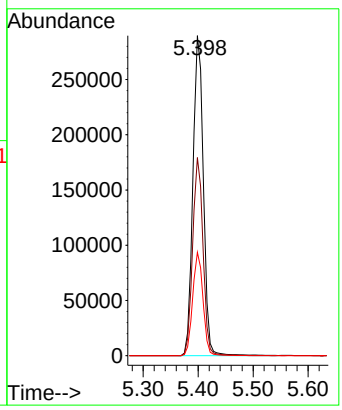




#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:112 Resp: 38261

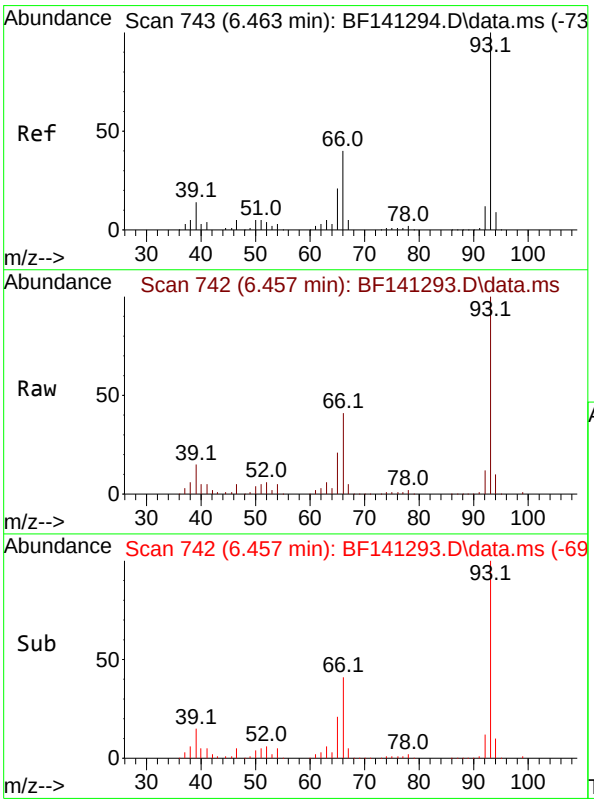
Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	32.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

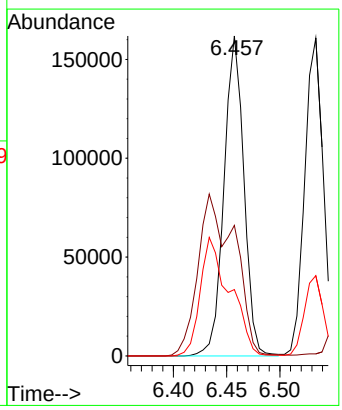
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

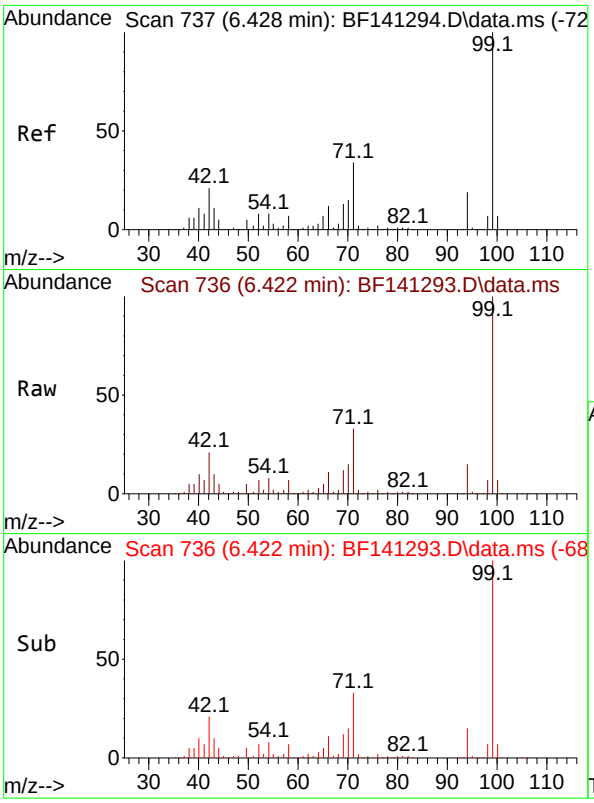


#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

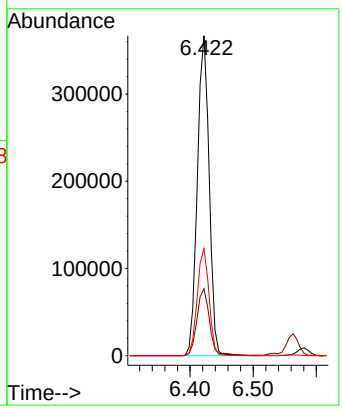




#7
Phenol-d6
Concen: 42.305 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 99 Resp: 47587

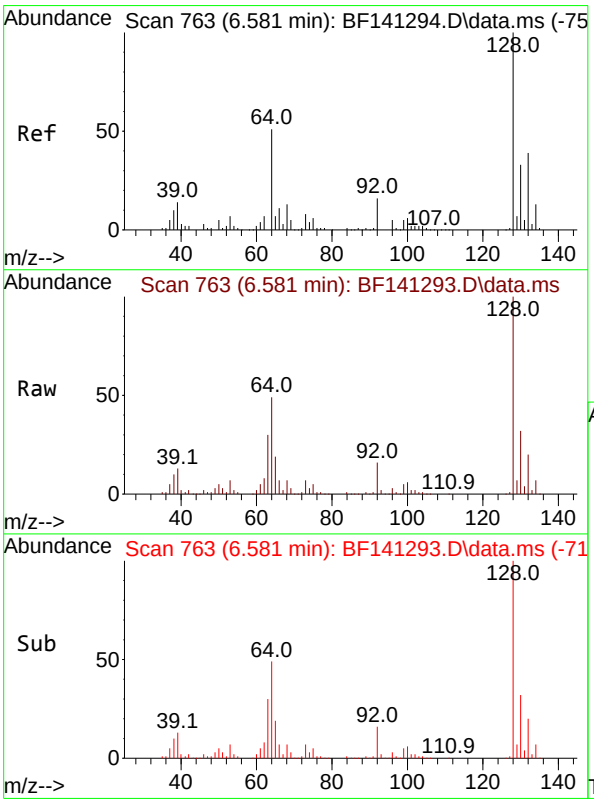
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.1	25.7
71	33.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

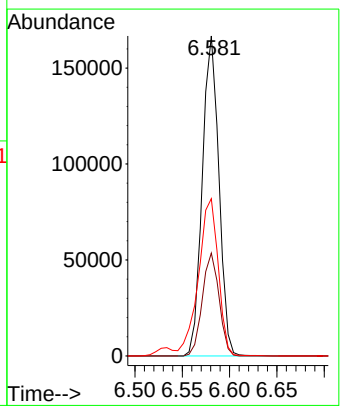
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

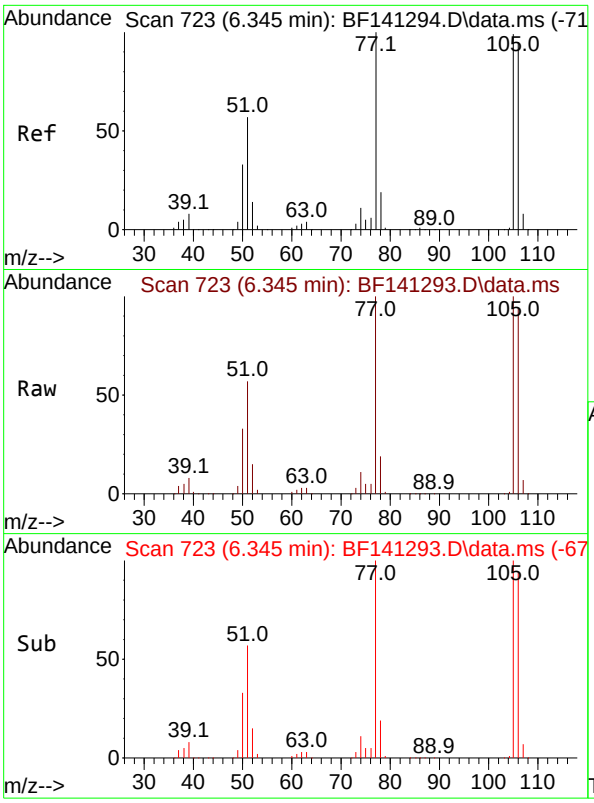


#8
2-Chlorophenol
Concen: 21.418 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

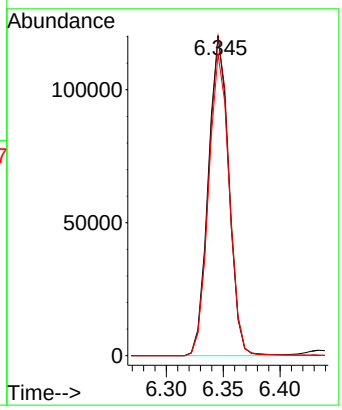




#9
Benzaldehyde
Concen: 23.065 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 15067

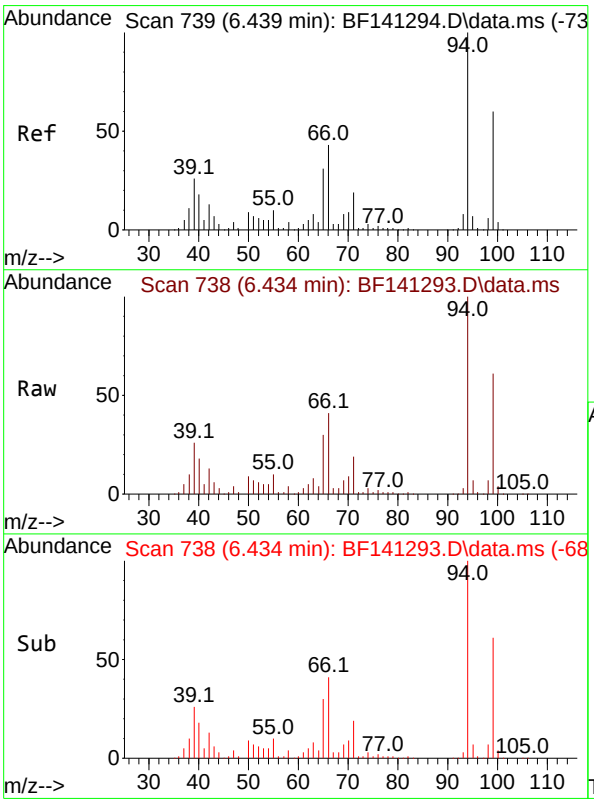
Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.2	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

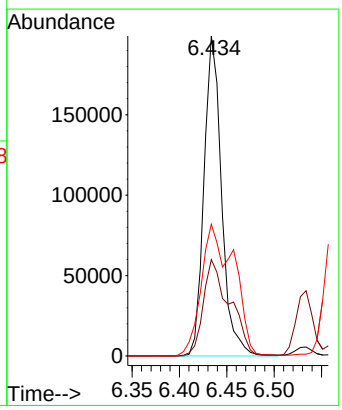
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

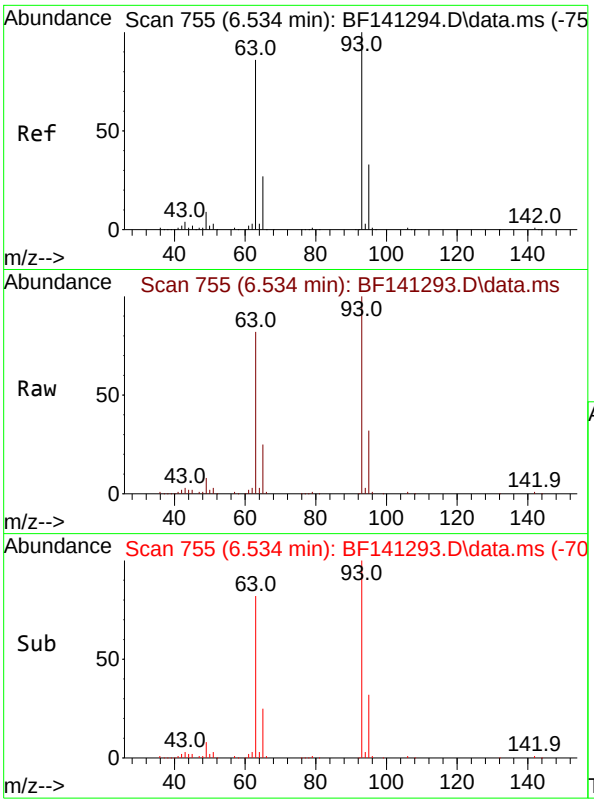


#10
Phenol
Concen: 21.611 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

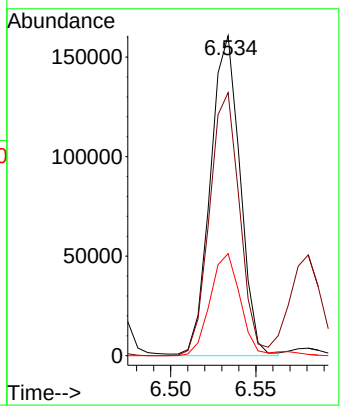




#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 19457

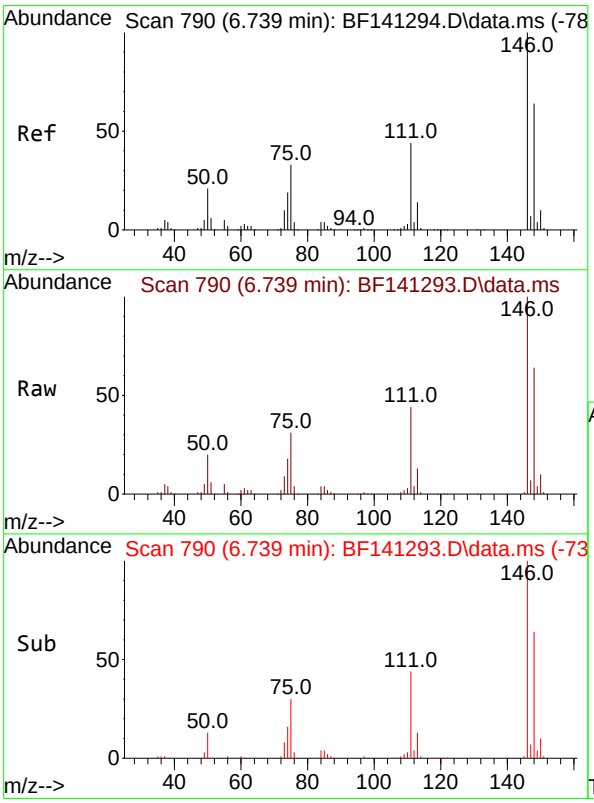
Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	31.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

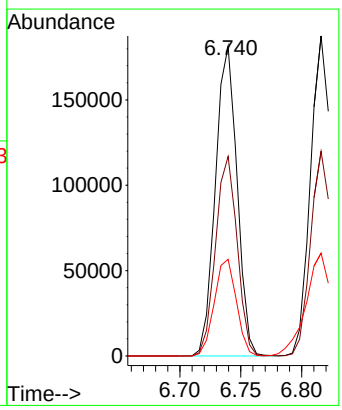
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

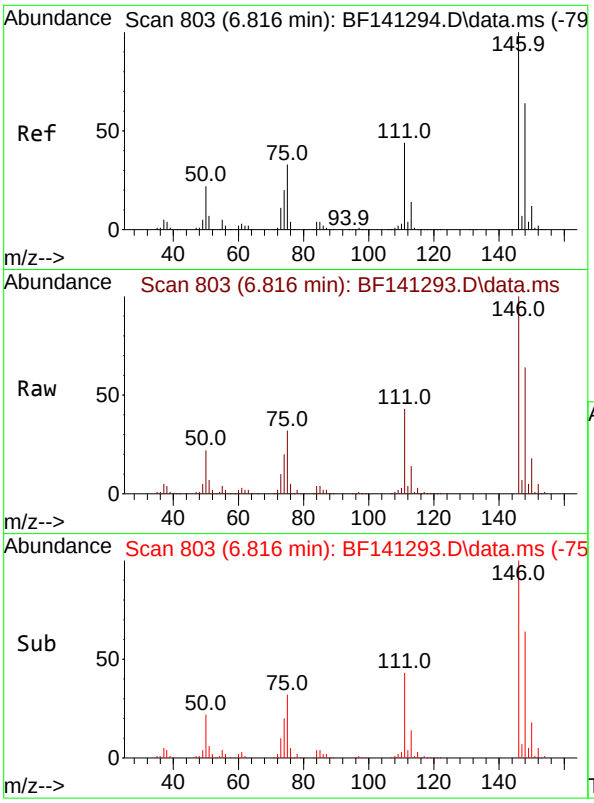


#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

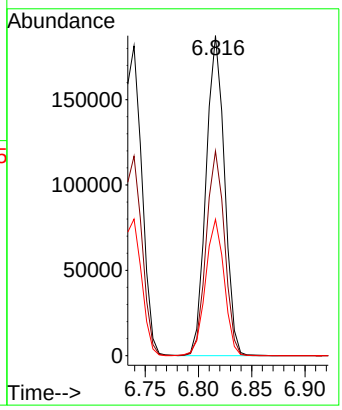




#13
1,4-Dichlorobenzene
Concen: 21.503 ng
RT: 6.816 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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ClientSampleId :
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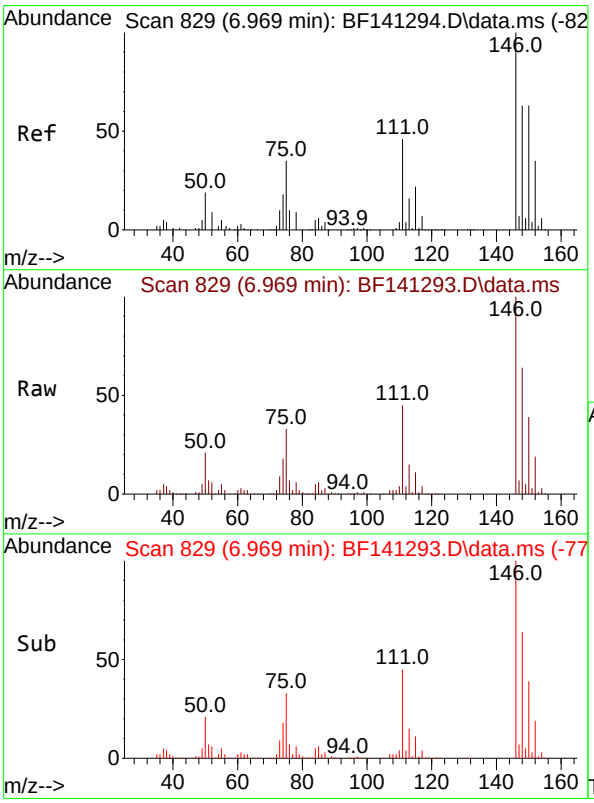
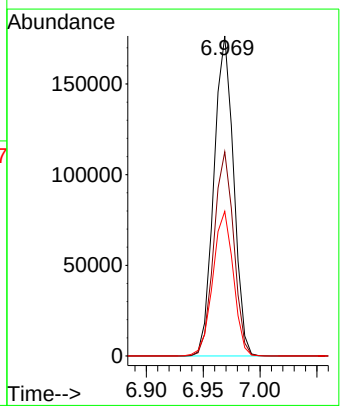
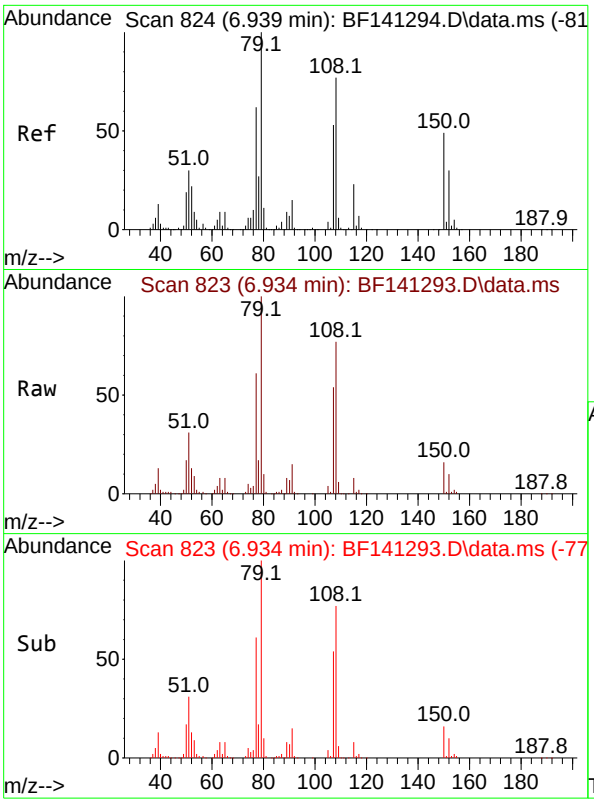


#14
1,2-Dichlorobenzene
Concen: 21.714 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

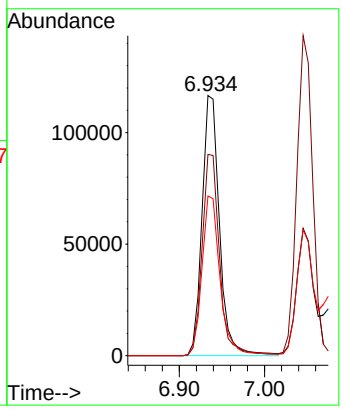




#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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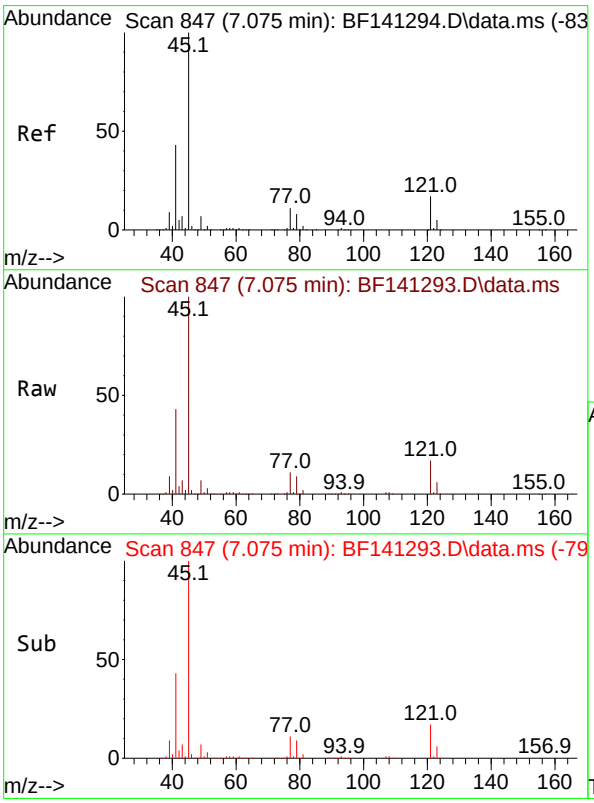
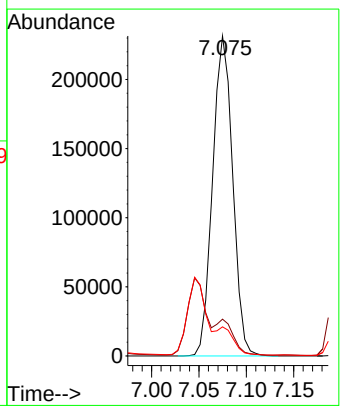
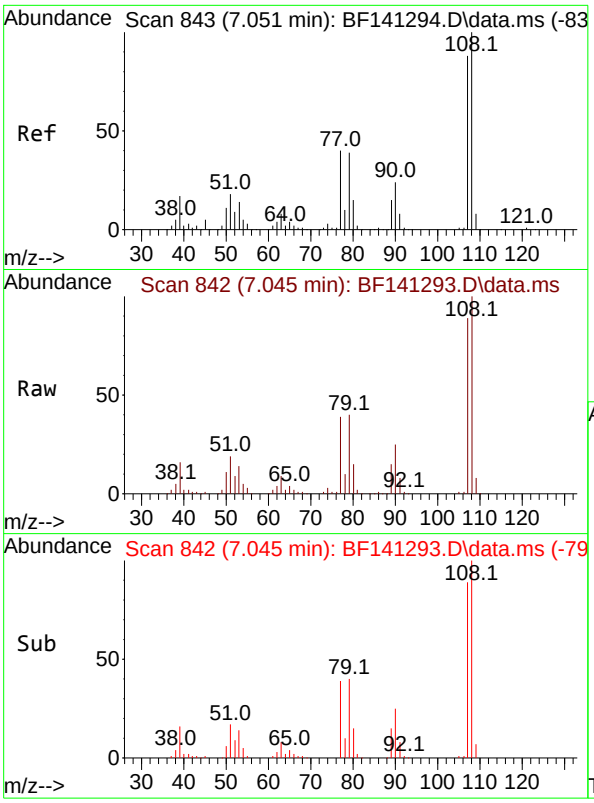


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

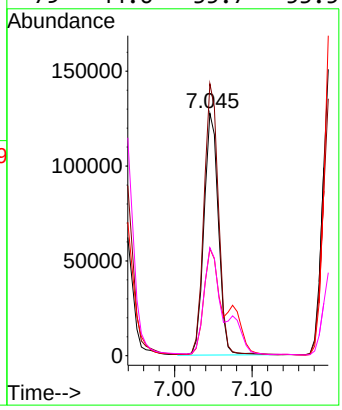




#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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



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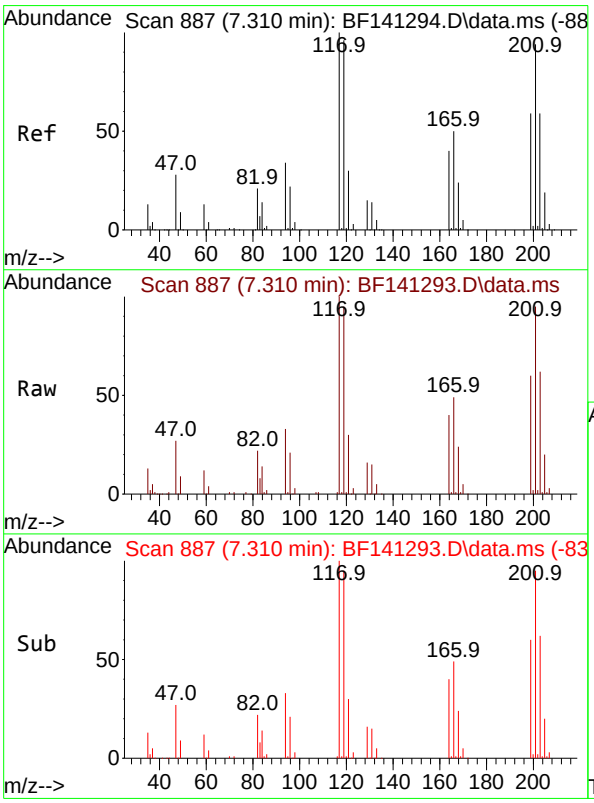
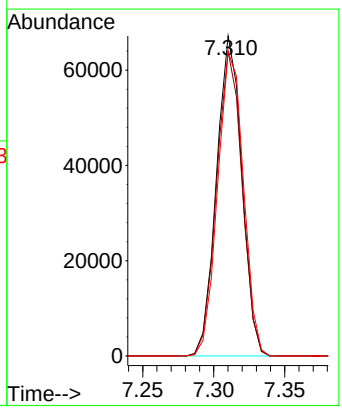
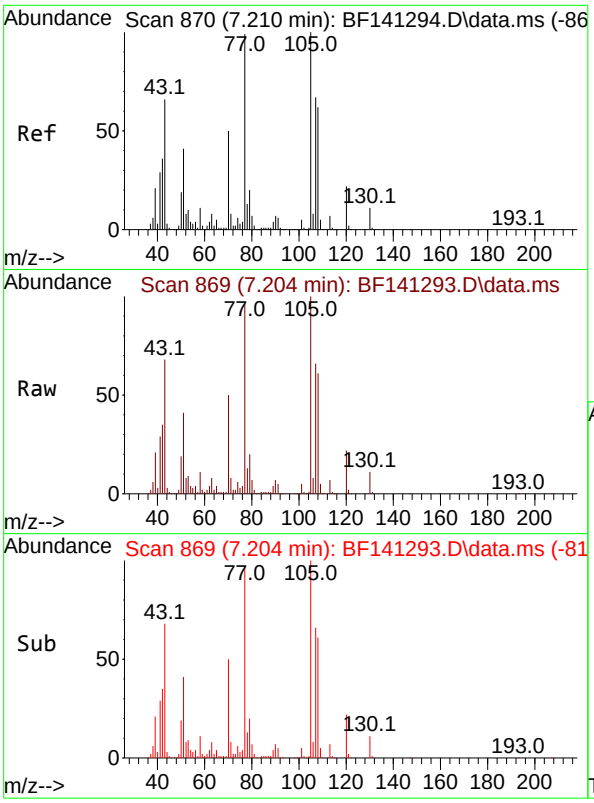


#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

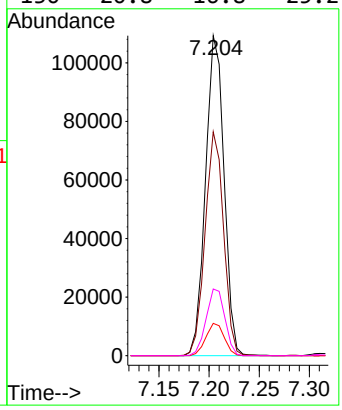




#19
n-Nitroso-di-n-propylamine
Concen: 21.058 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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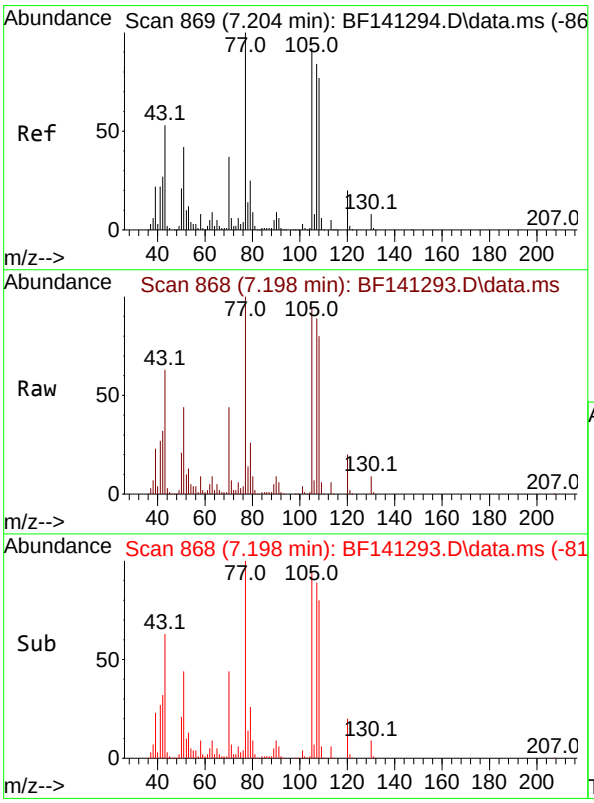
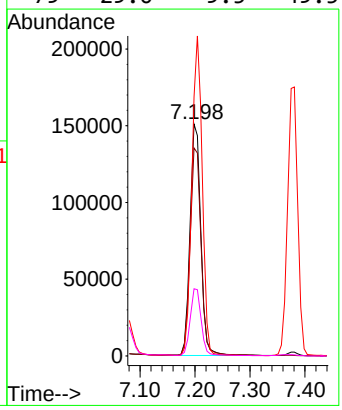
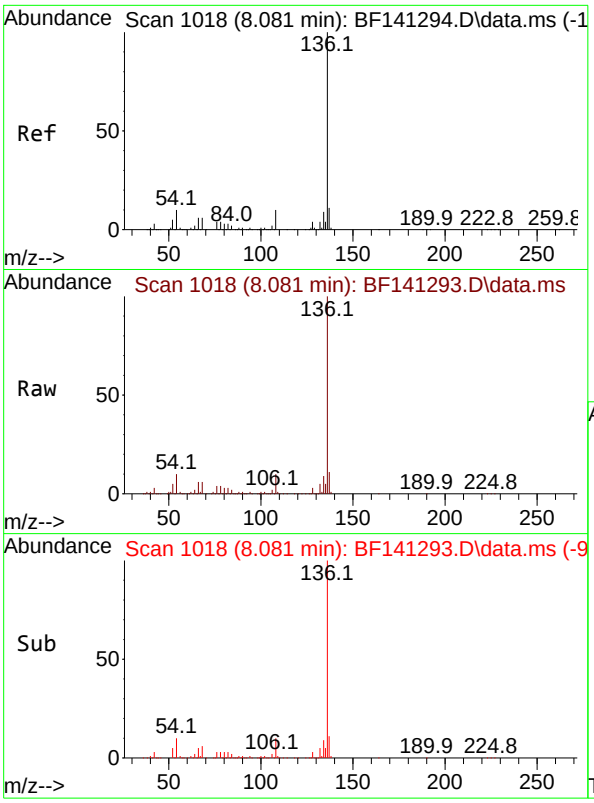


#20
3+4-Methylphenols
Concen: 21.734 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

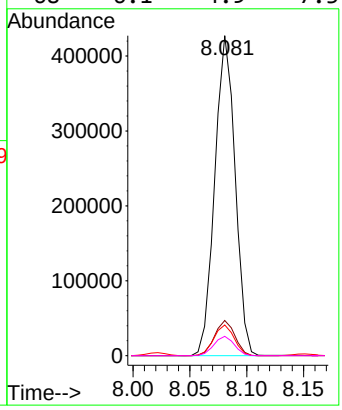




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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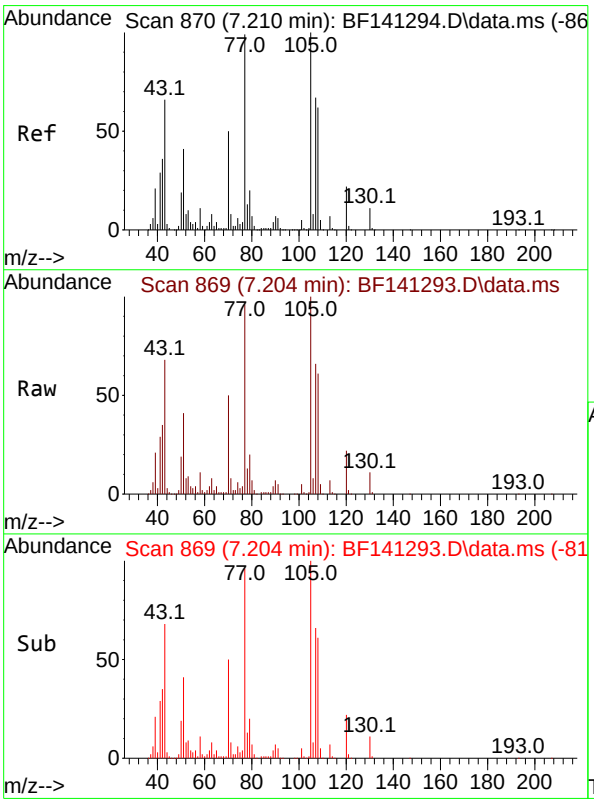
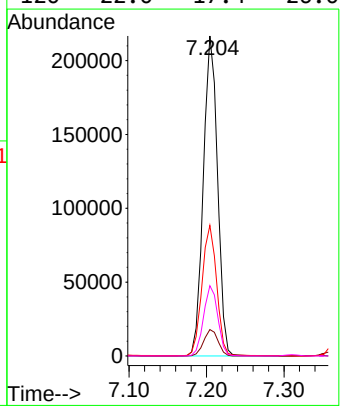
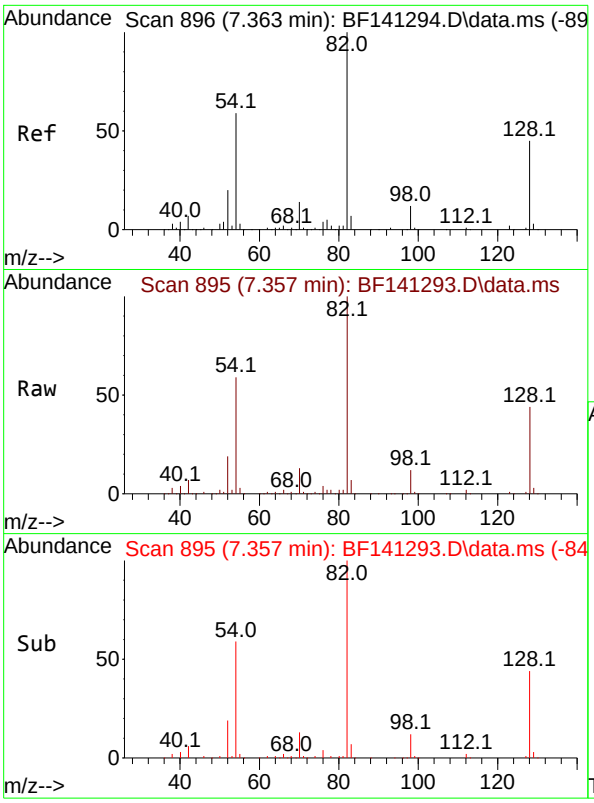


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

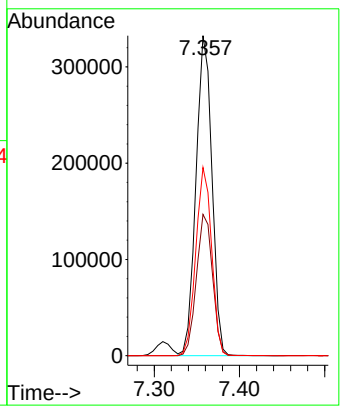




#23
Nitrobenzene-d5
Concen: 42.912 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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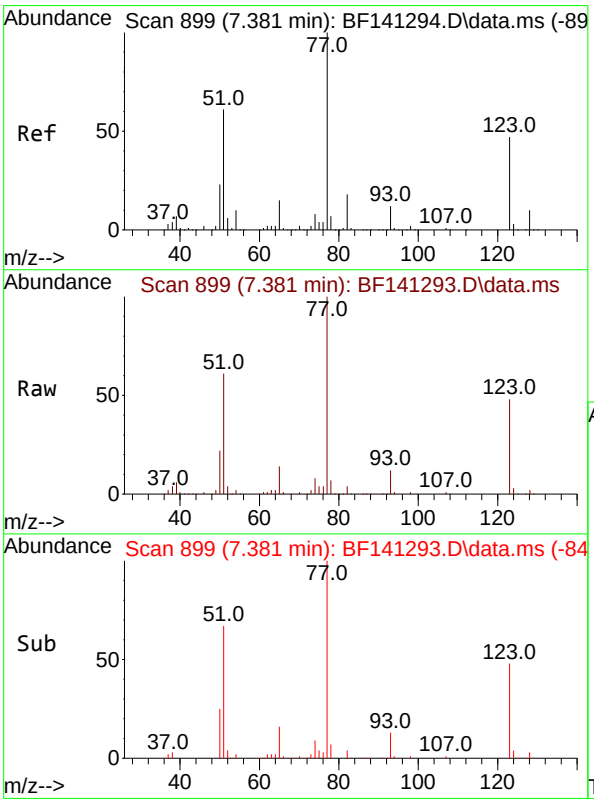
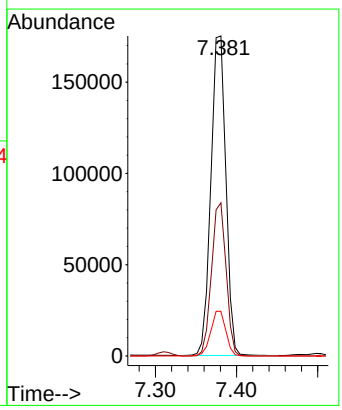
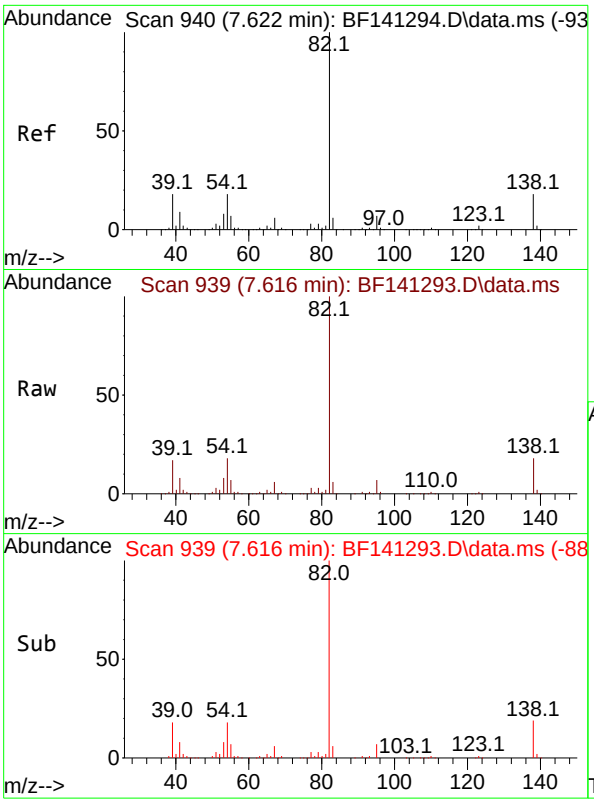


#24
Nitrobenzene
Concen: 21.451 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

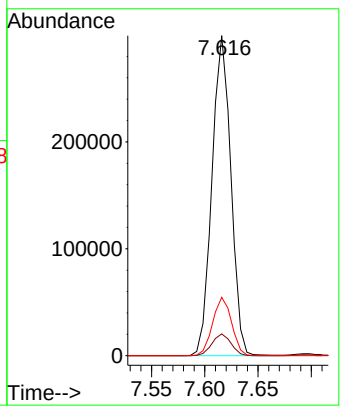




#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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
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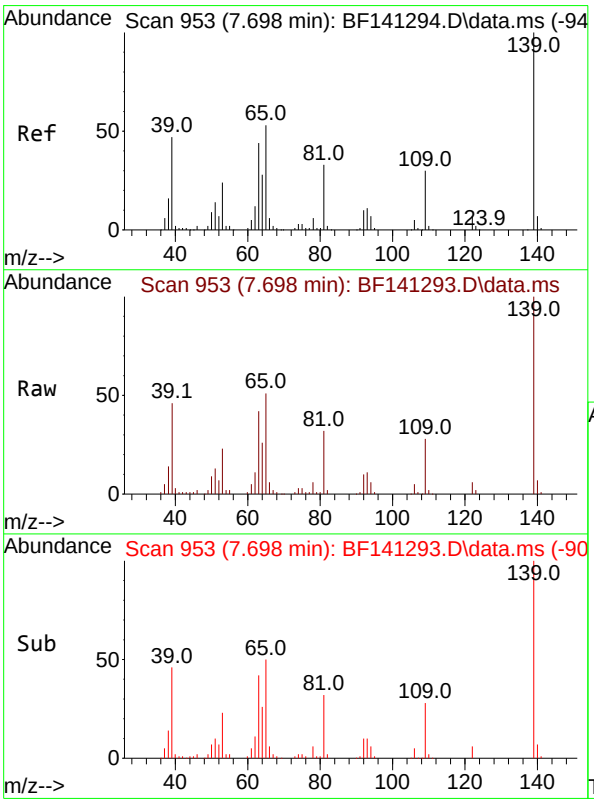
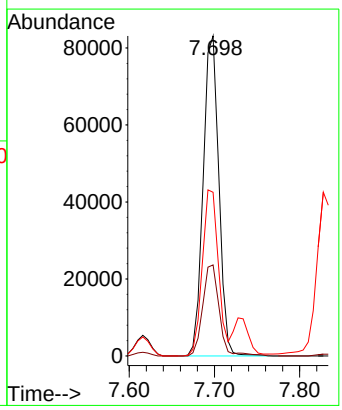
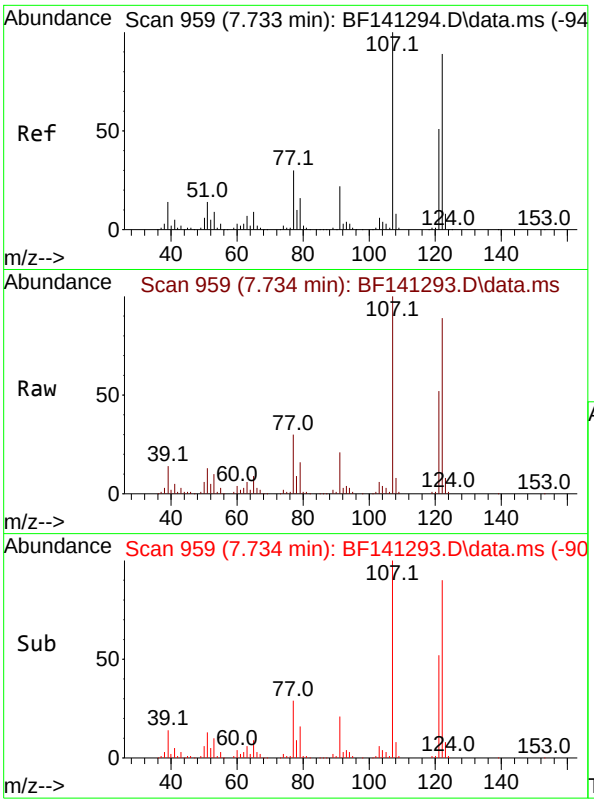


#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

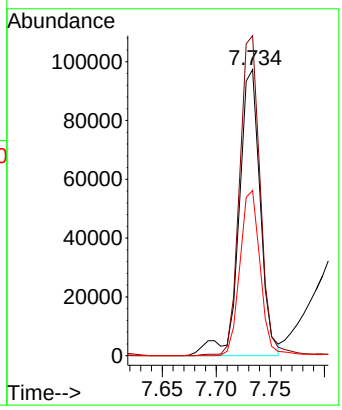




#27
2,4-Dimethylphenol
Concen: 21.233 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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ClientSampleId :
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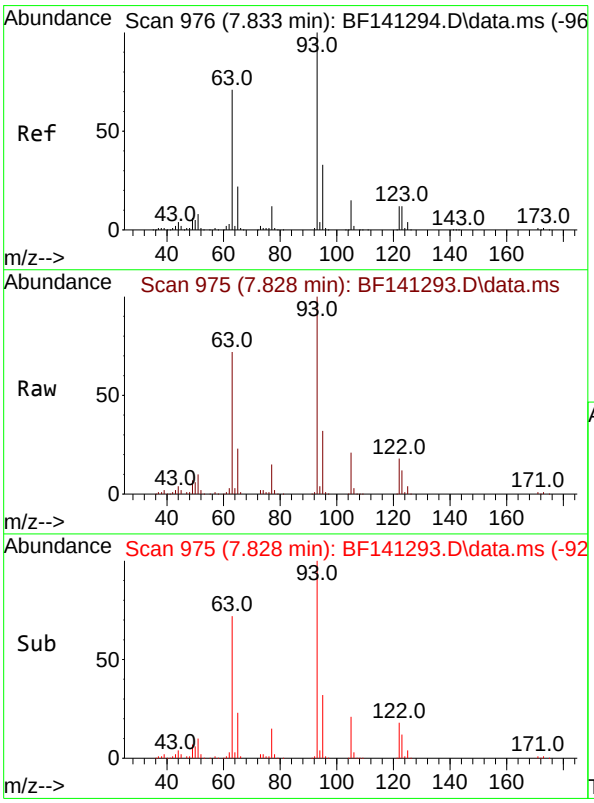
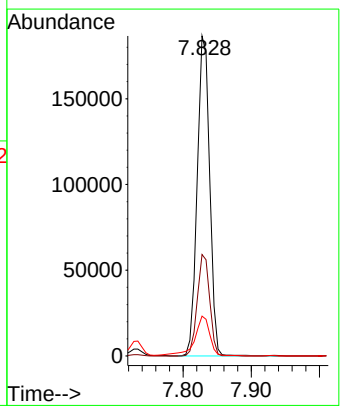
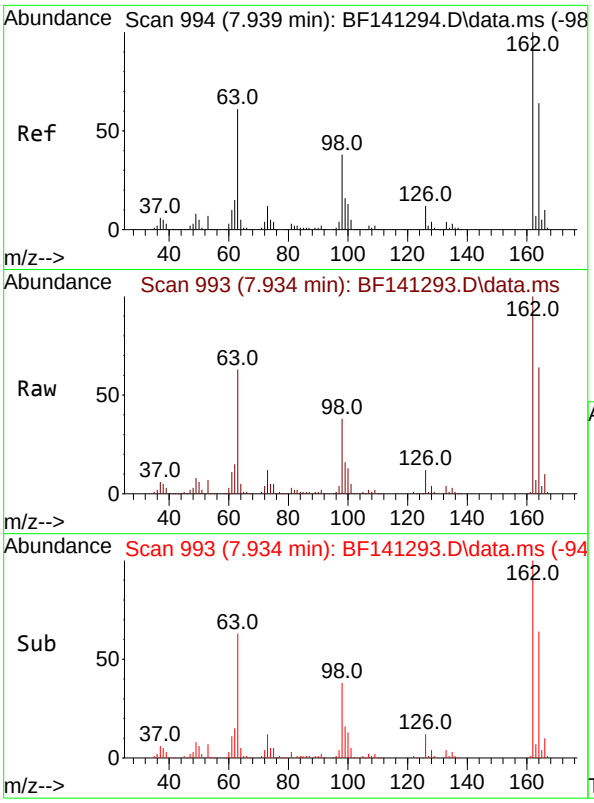


#28
bis(2-Chloroethoxy)methane
Concen: 21.403 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

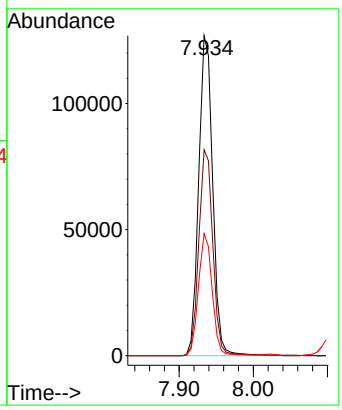




#29
2,4-Dichlorophenol
Concen: 21.750 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
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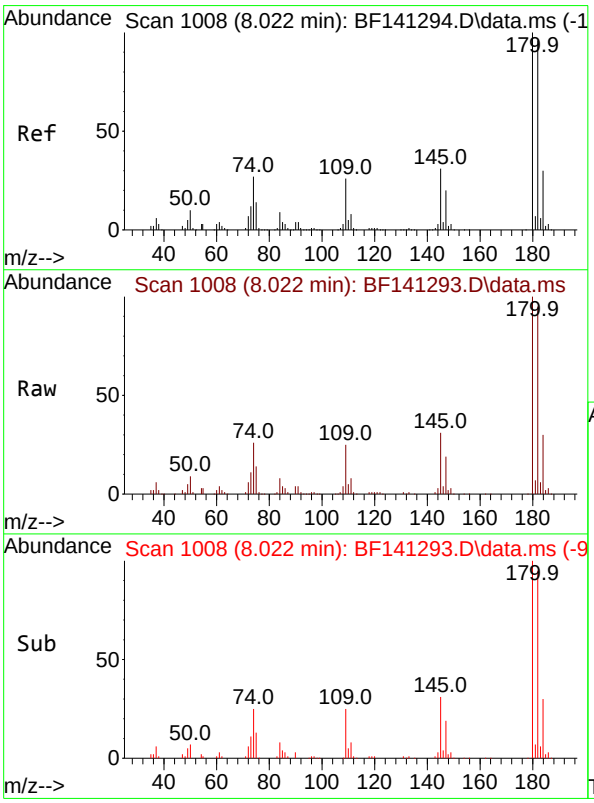
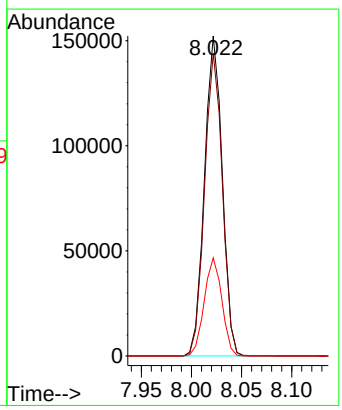
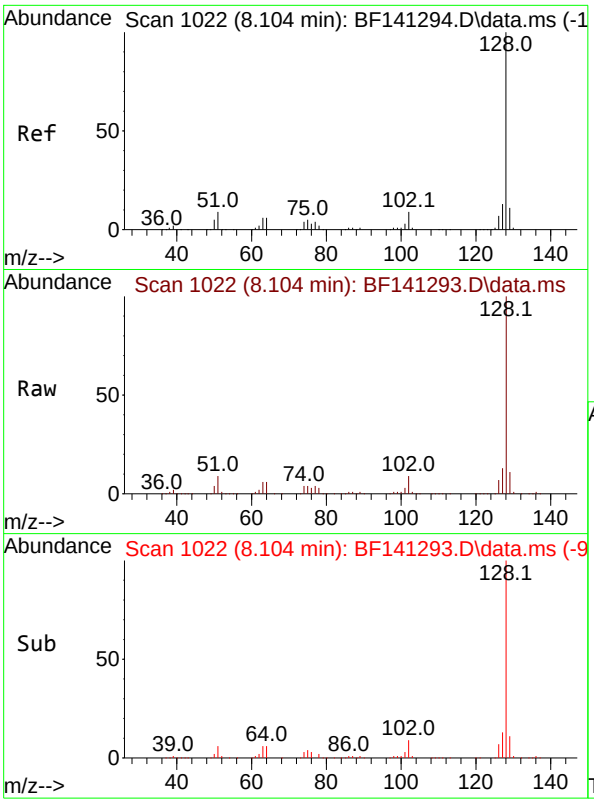


#30
1,2,4-Trichlorobenzene
Concen: 21.511 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

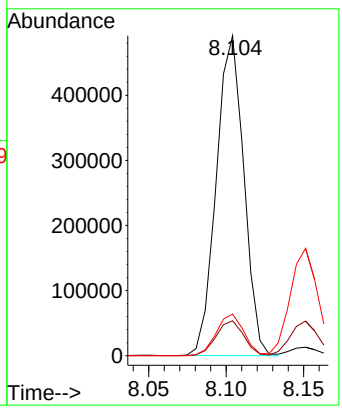




#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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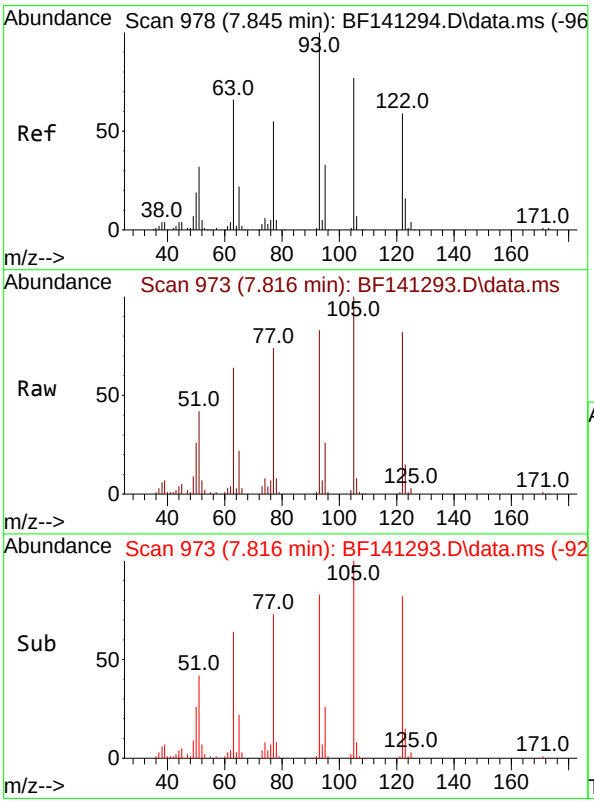
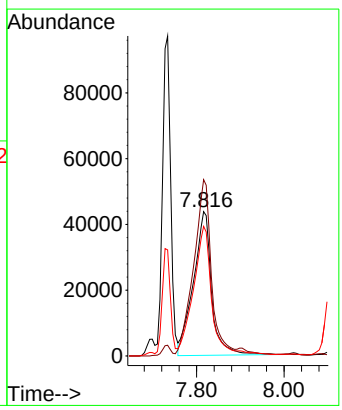
Supervised By :mohammad ahmed 02/04/2025

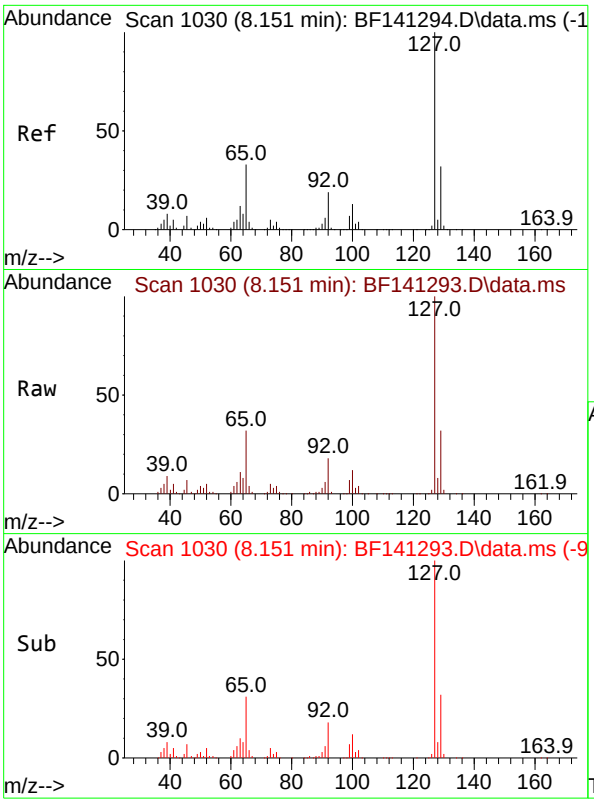


#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

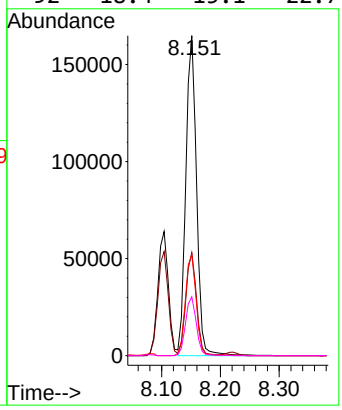




#33
4-Chloroaniline
Concen: 22.151 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
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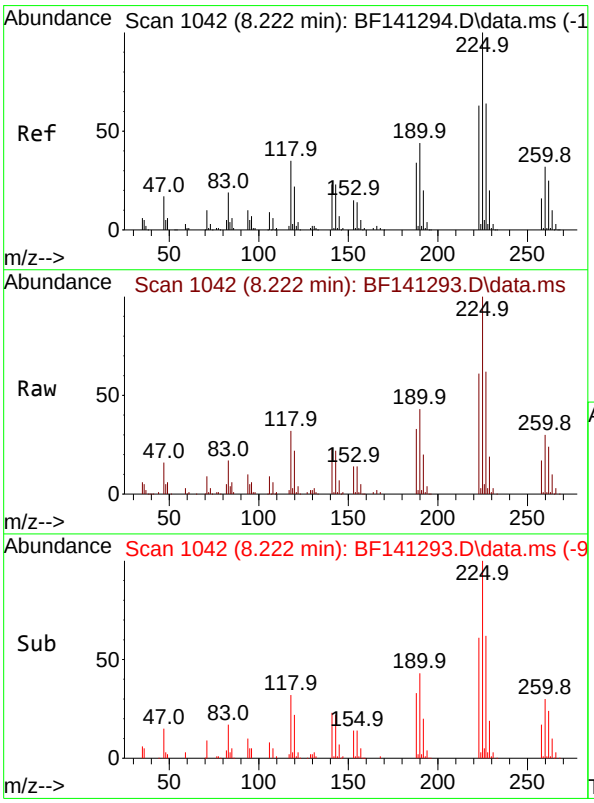
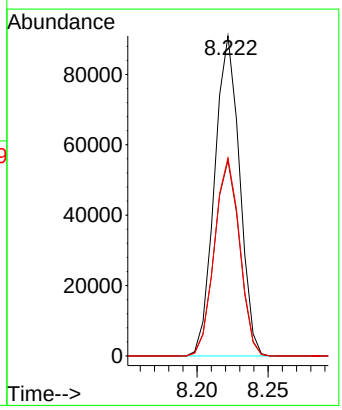
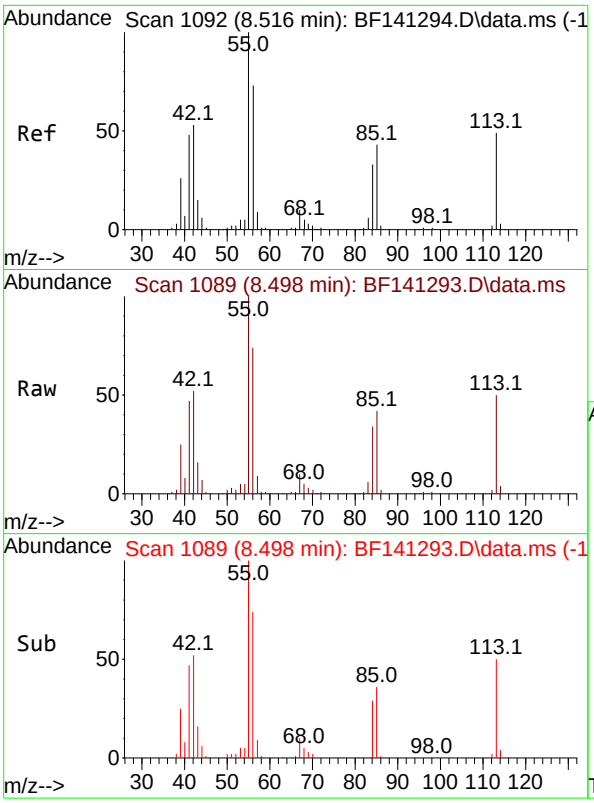


#34
Hexachlorobutadiene
Concen: 21.699 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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
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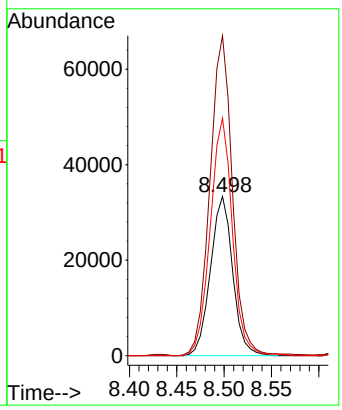
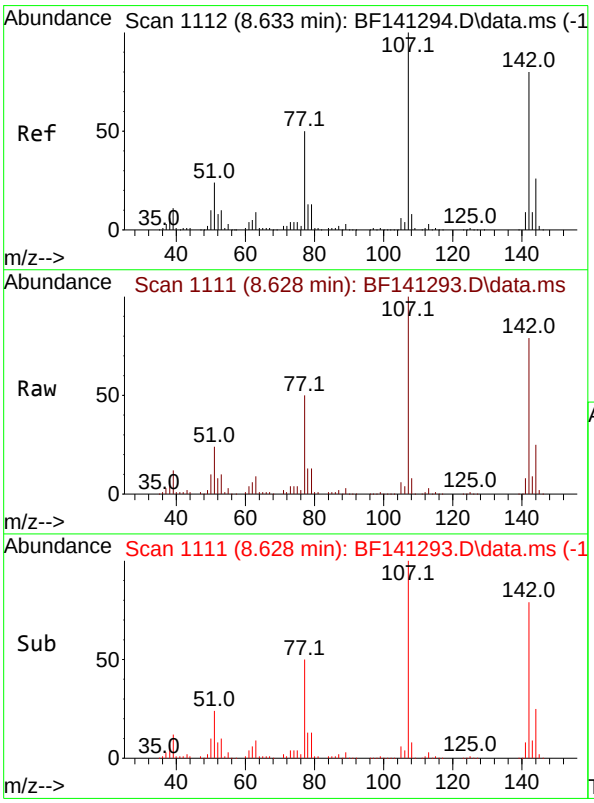
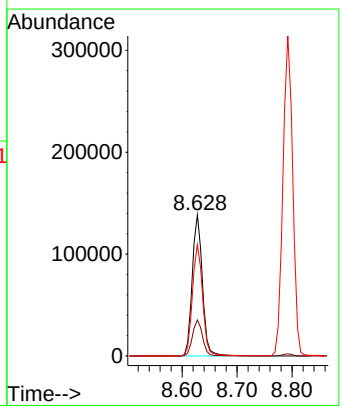


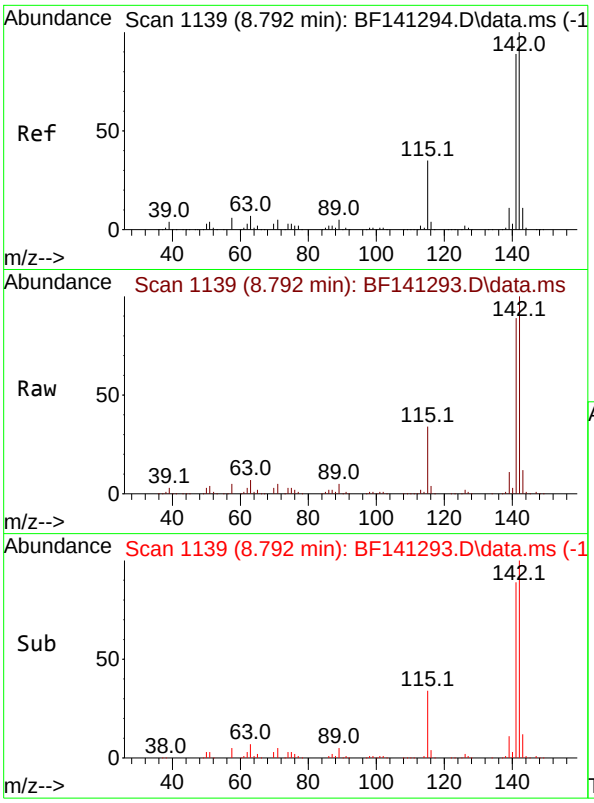


#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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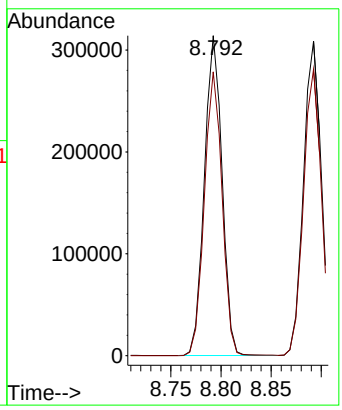
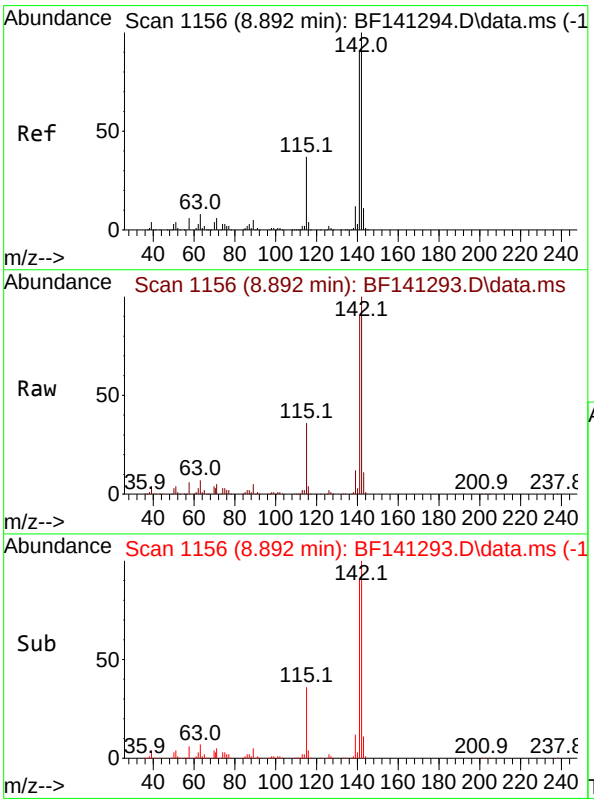
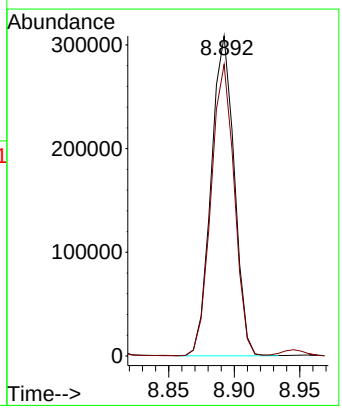


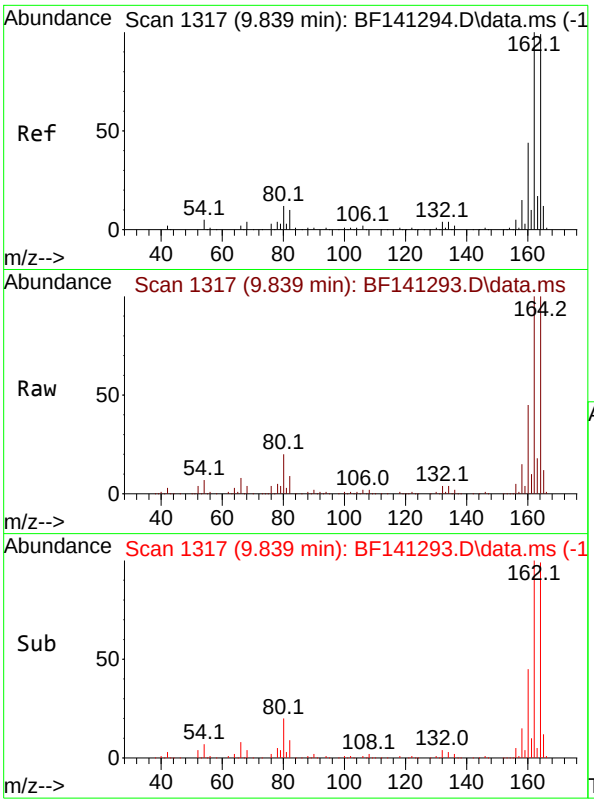


#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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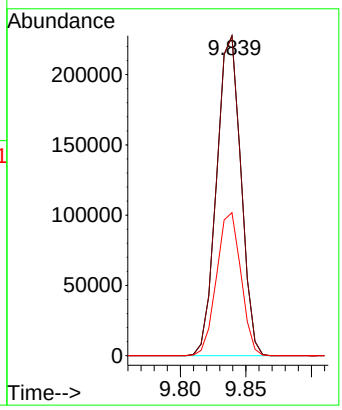
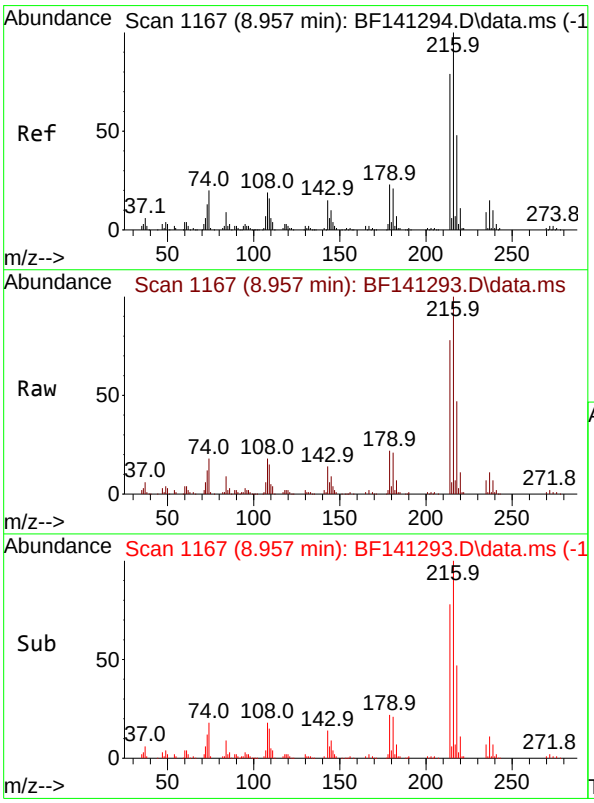
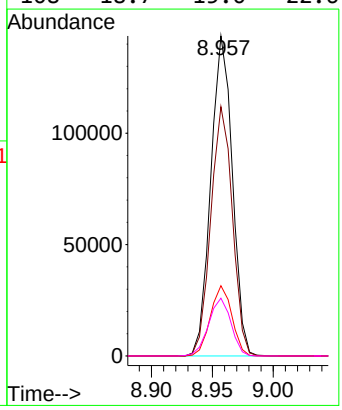


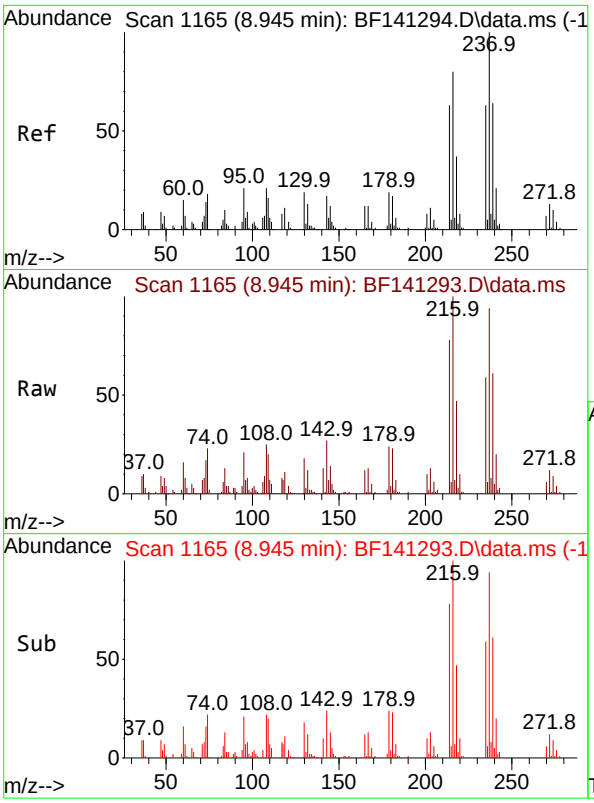


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.209 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

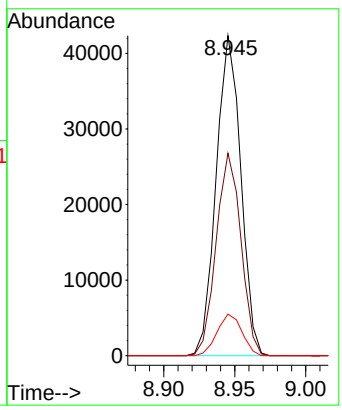




#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
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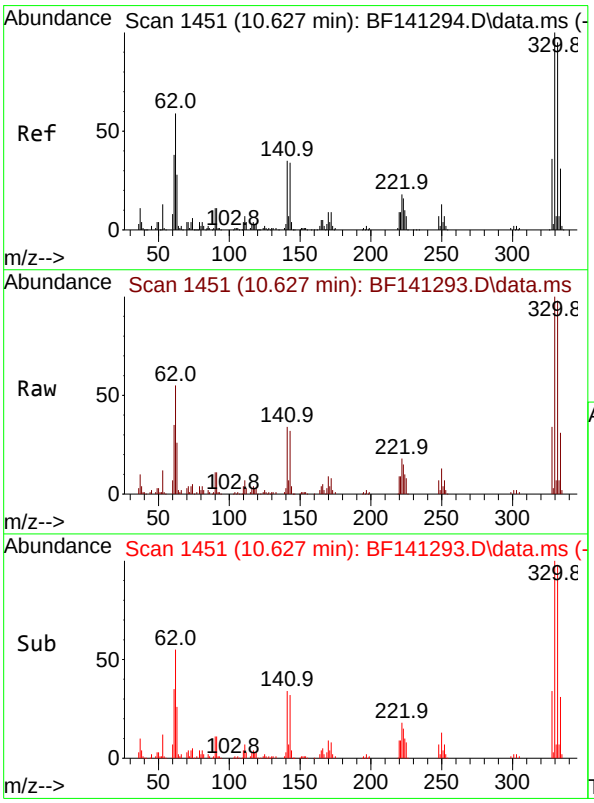
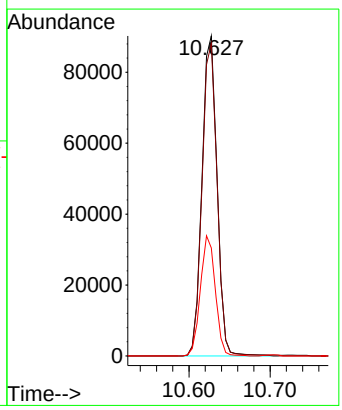
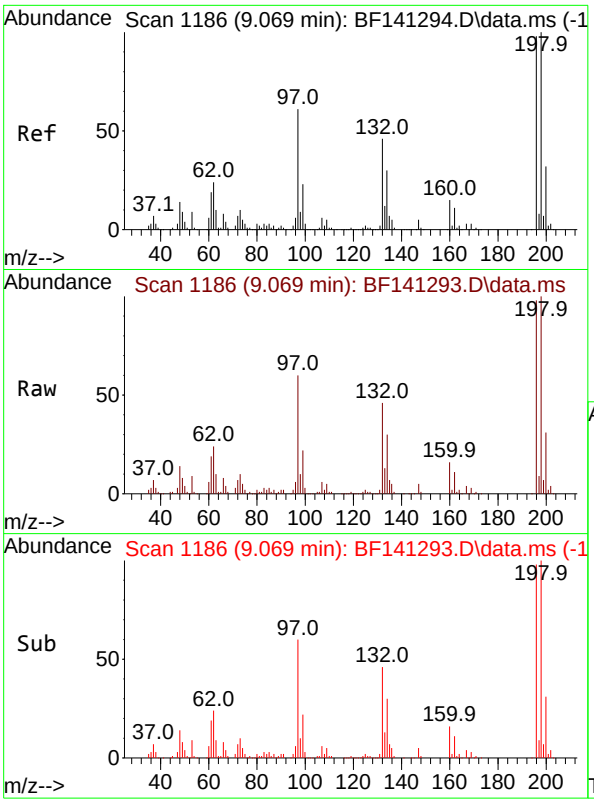


#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

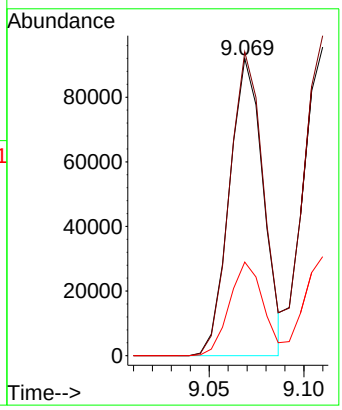




#43
2,4,6-Trichlorophenol
Concen: 21.029 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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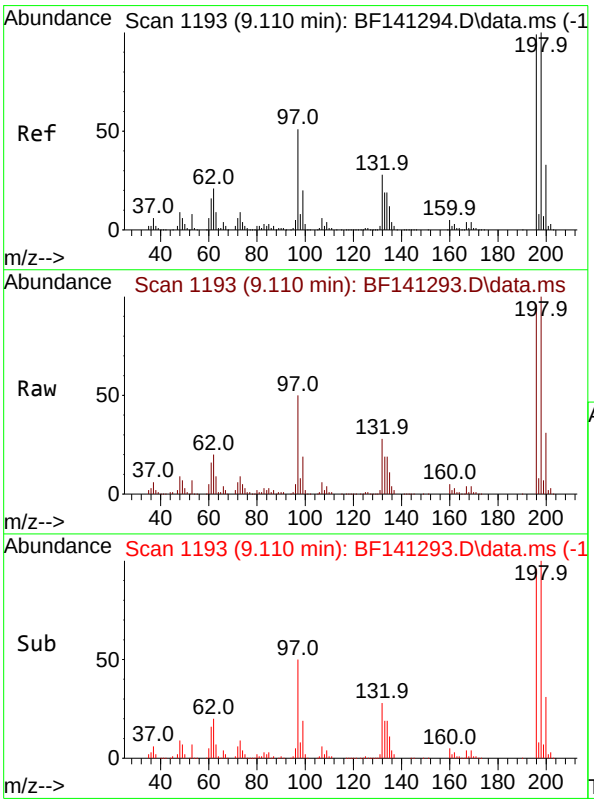
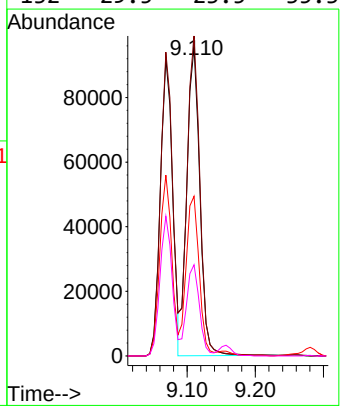
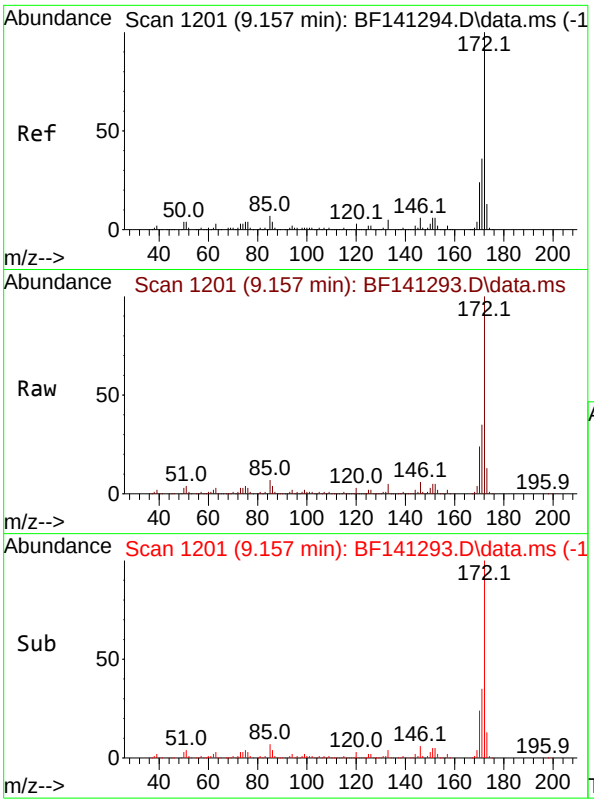


#44
2,4,5-Trichlorophenol
Concen: 21.245 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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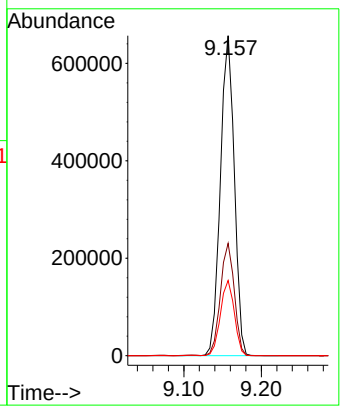
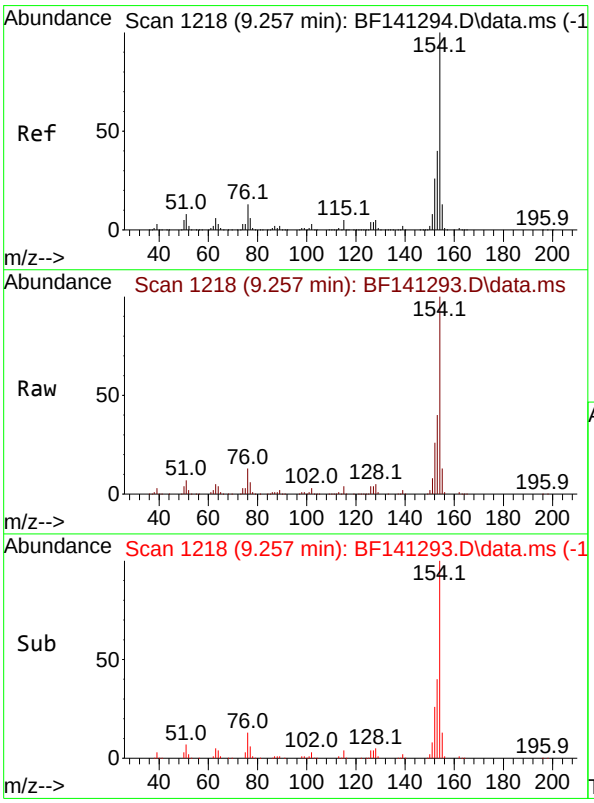
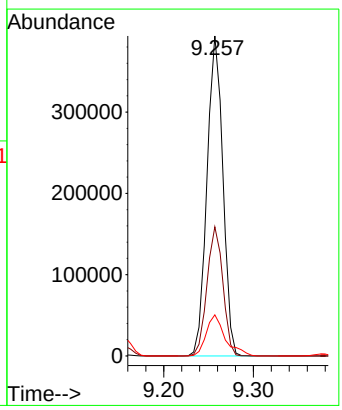


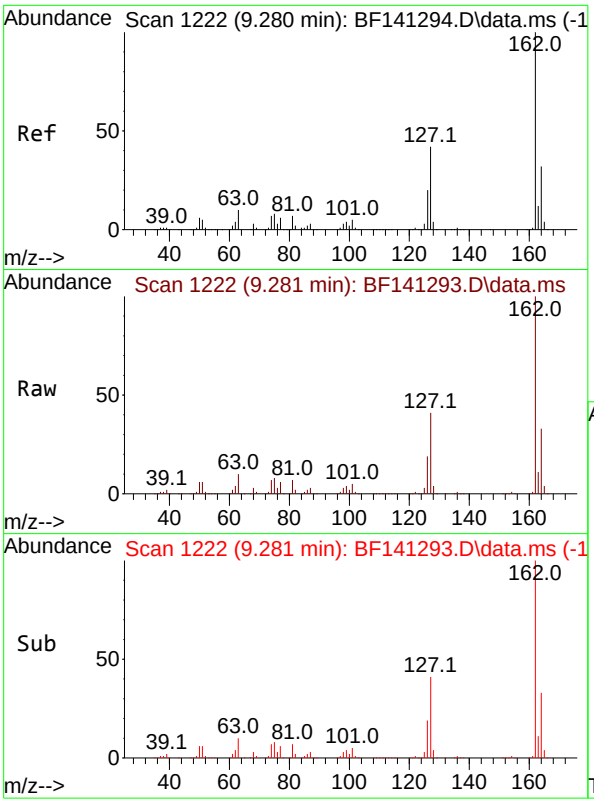


#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

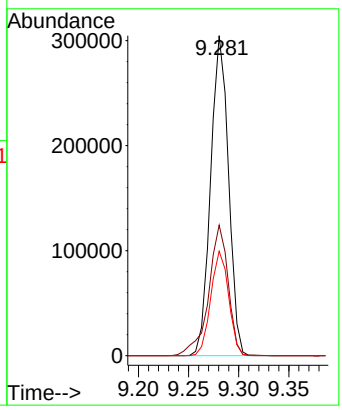




#47
2-Chloronaphthalene
Concen: 21.282 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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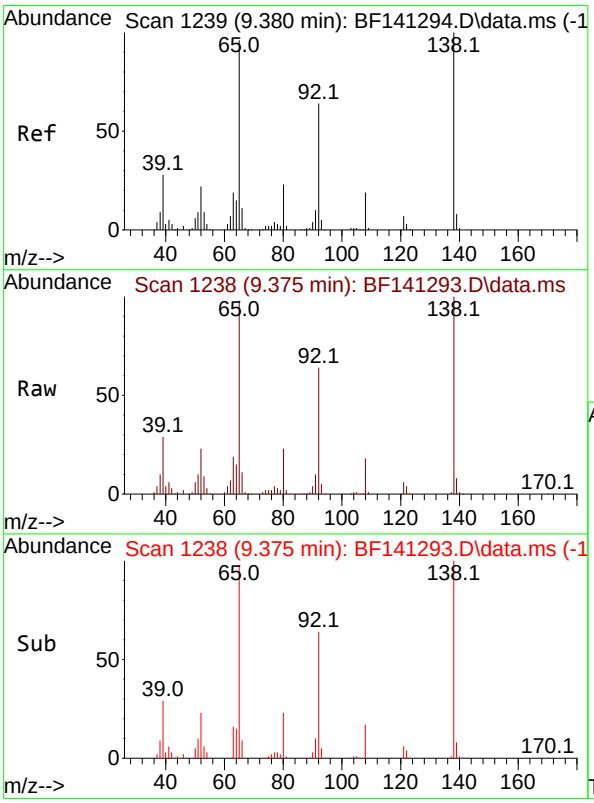
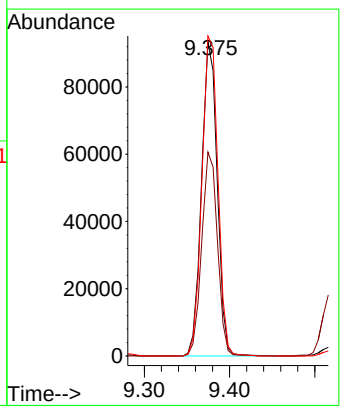
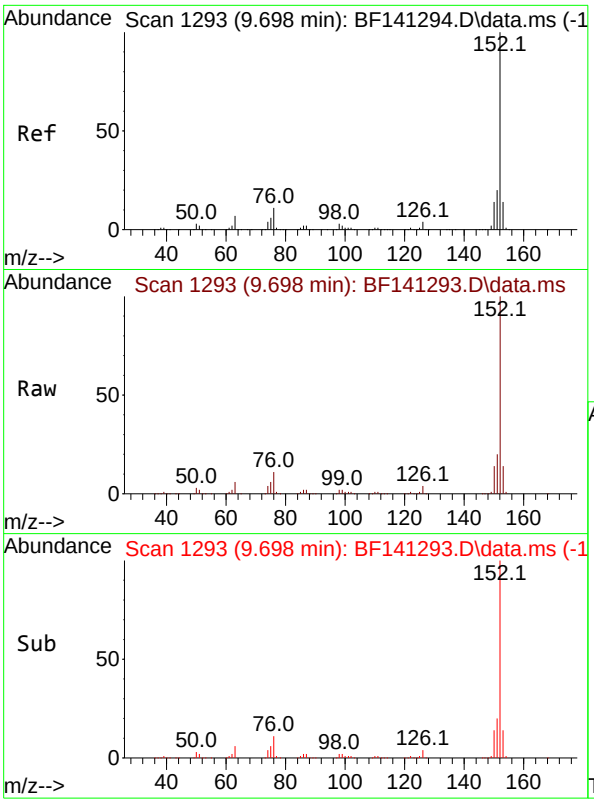


#48
2-Nitroaniline
Concen: 21.310 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

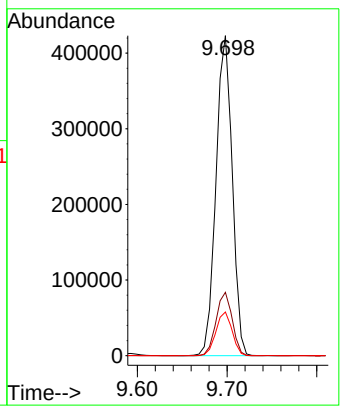




#49
Acenaphthylene
Concen: 21.328 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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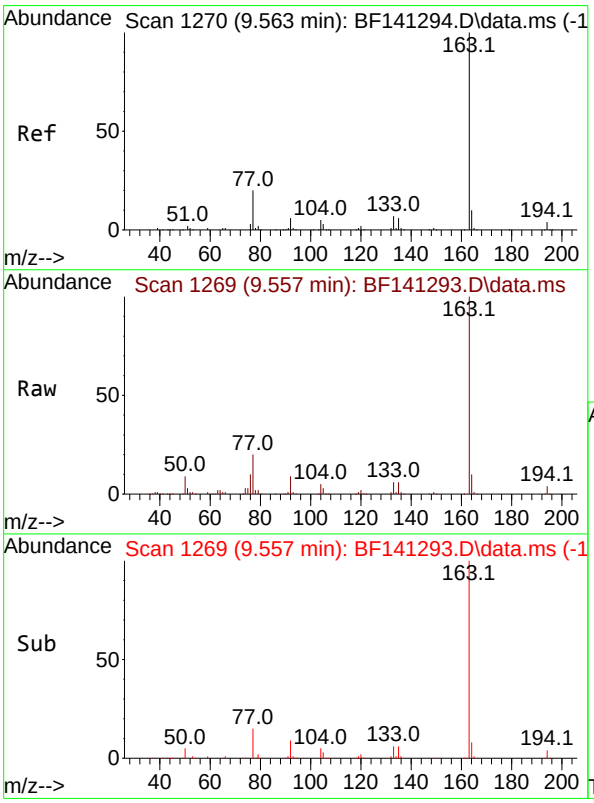
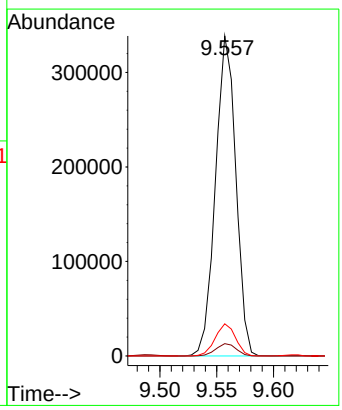
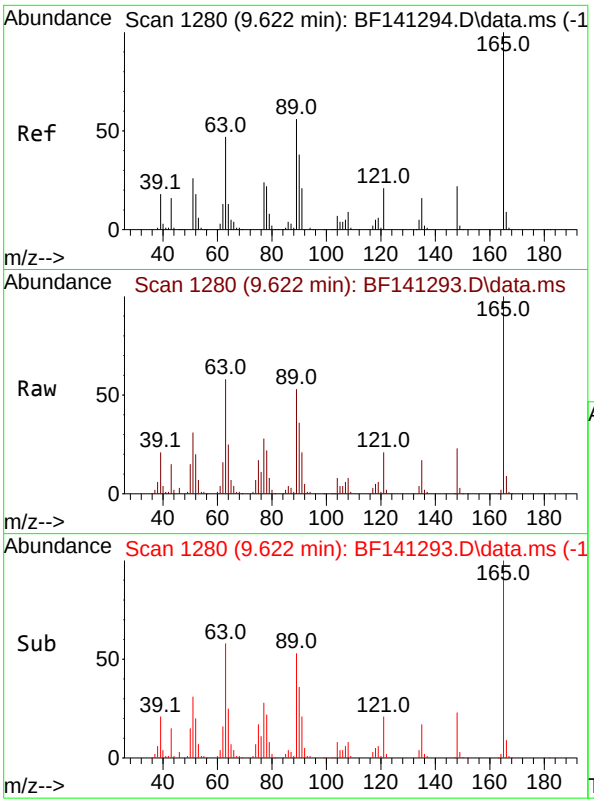


#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

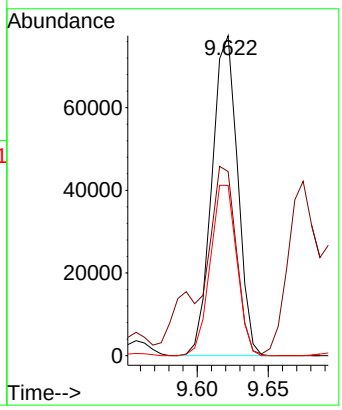




#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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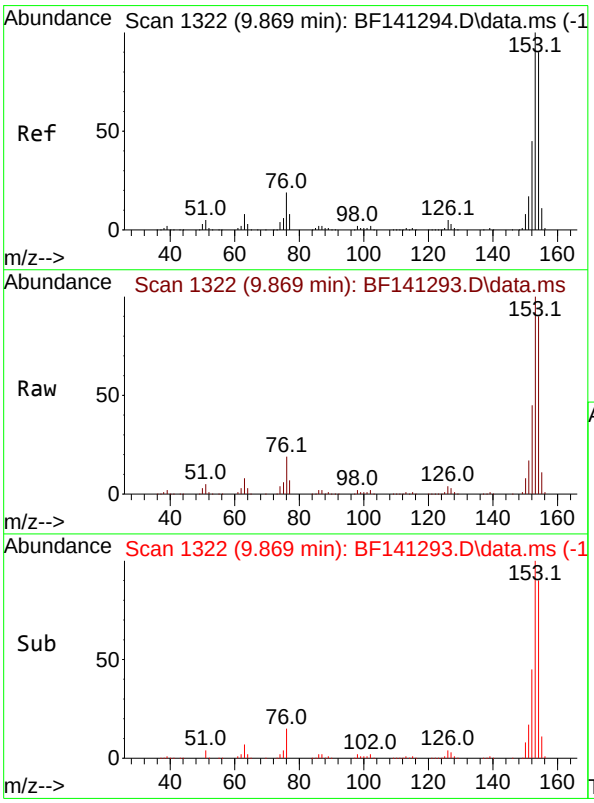
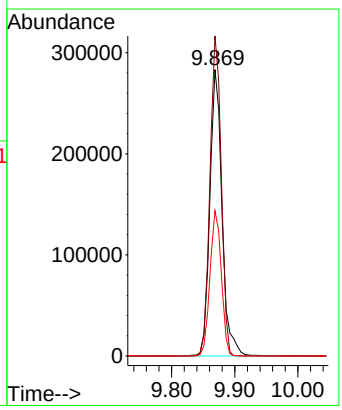
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

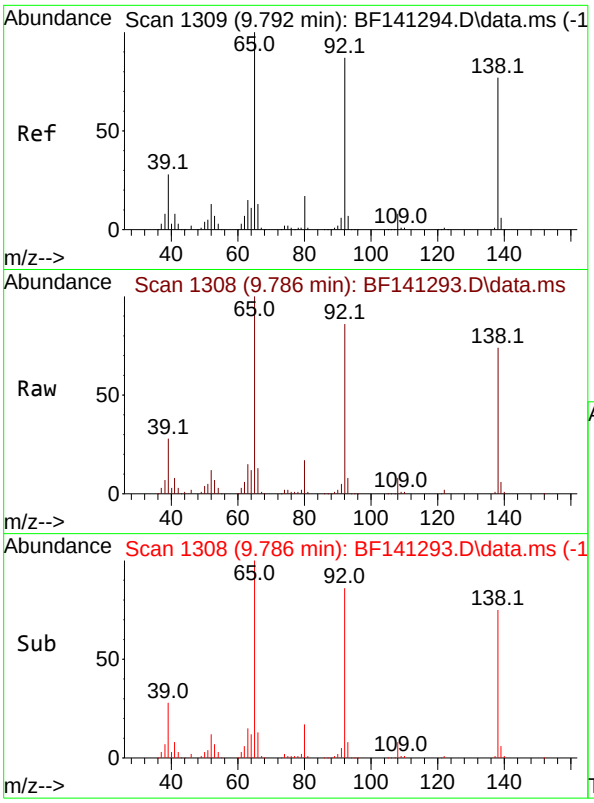


#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

Manual Integrations
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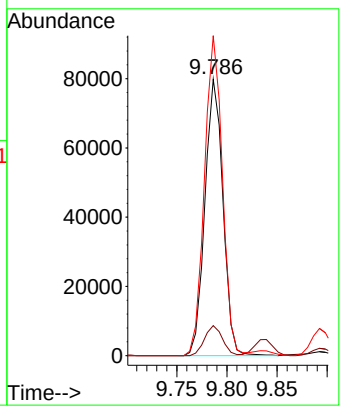
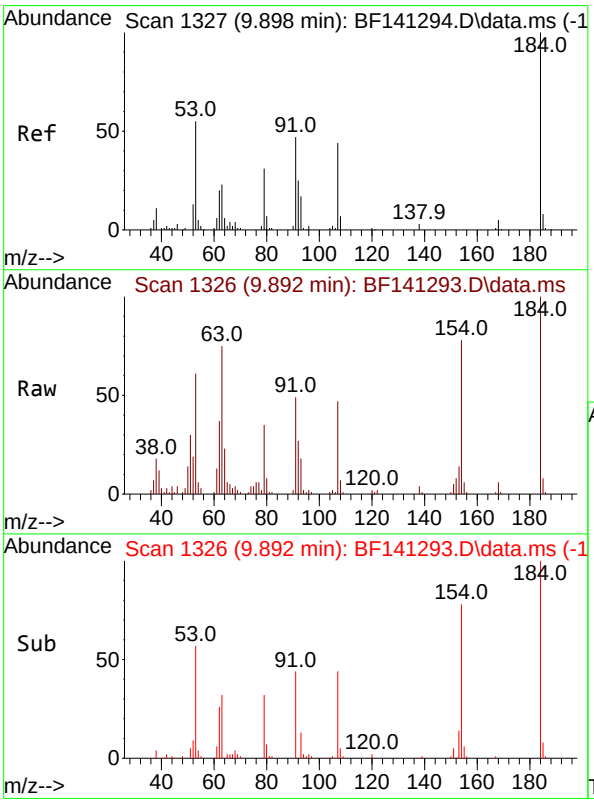
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

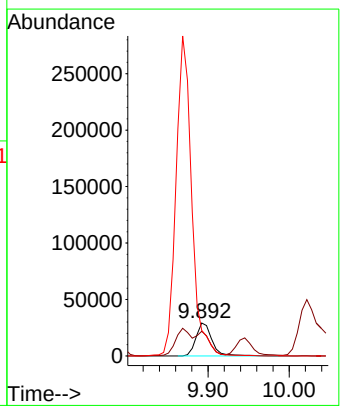


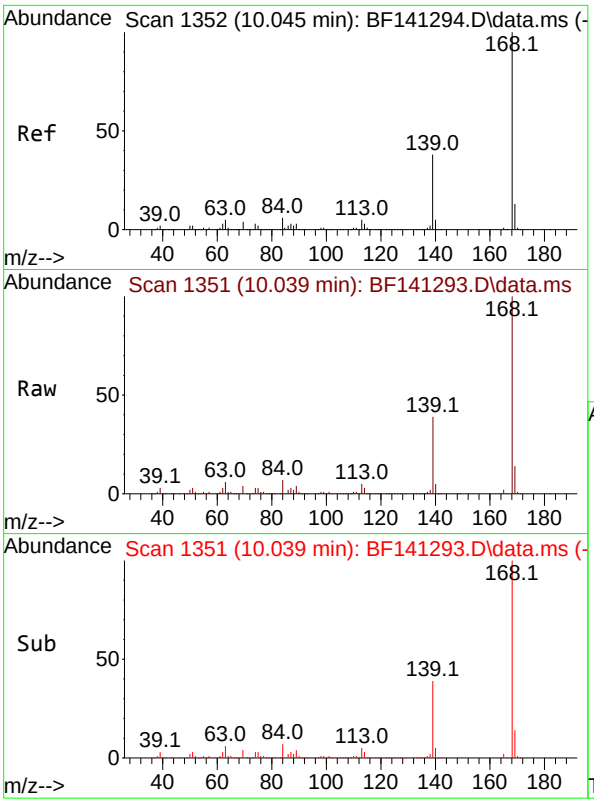


#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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#

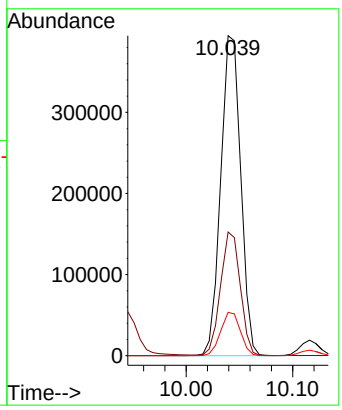




#55
Dibenzofuran
Concen: 21.665 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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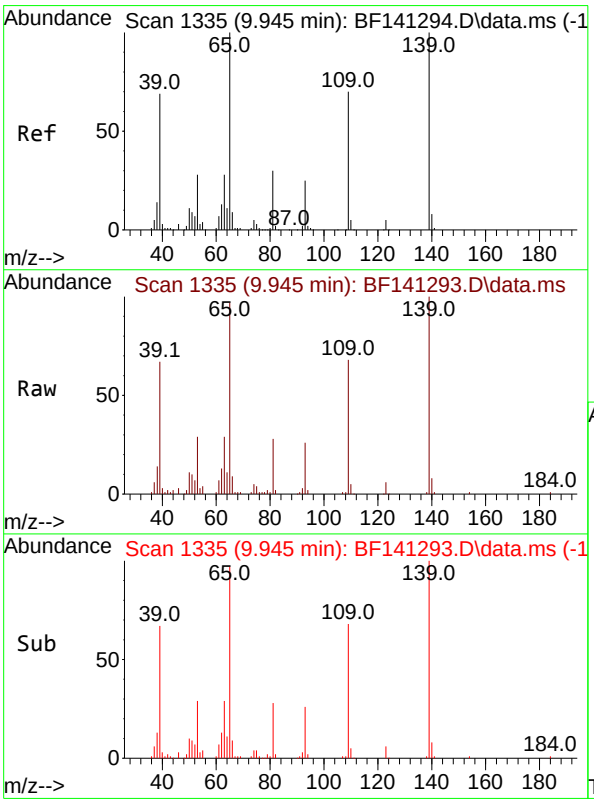
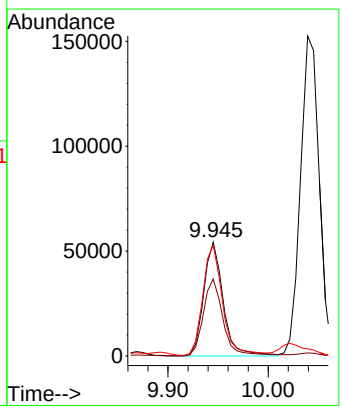
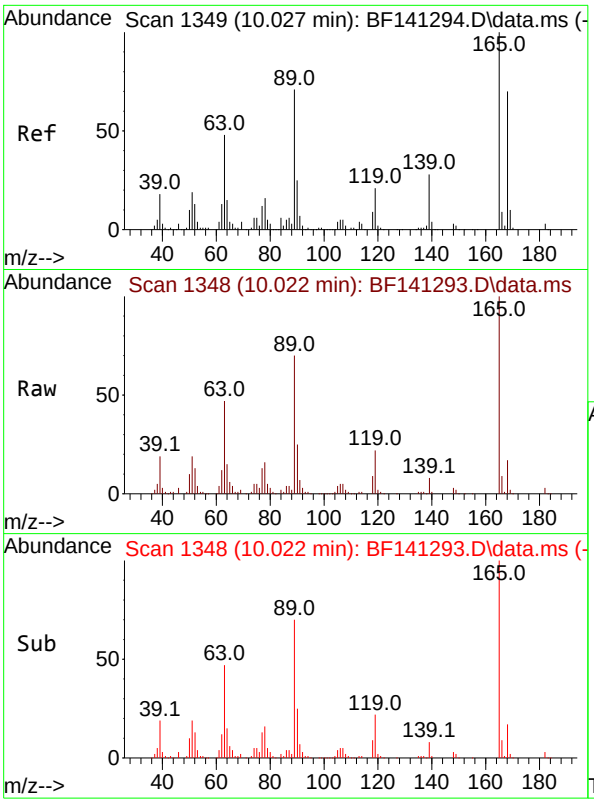


#56
4-Nitrophenol
Concen: 22.607 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

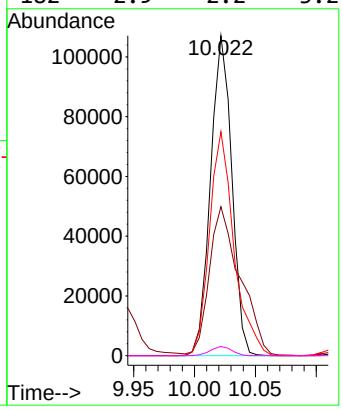




#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
SSTDICC020

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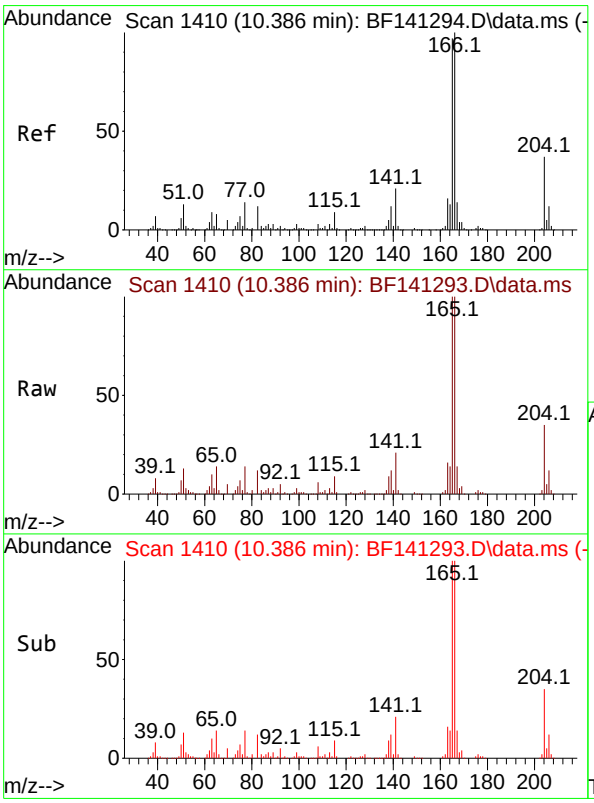
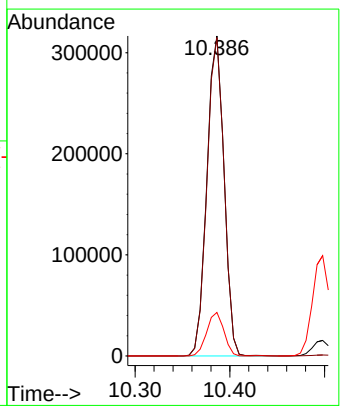
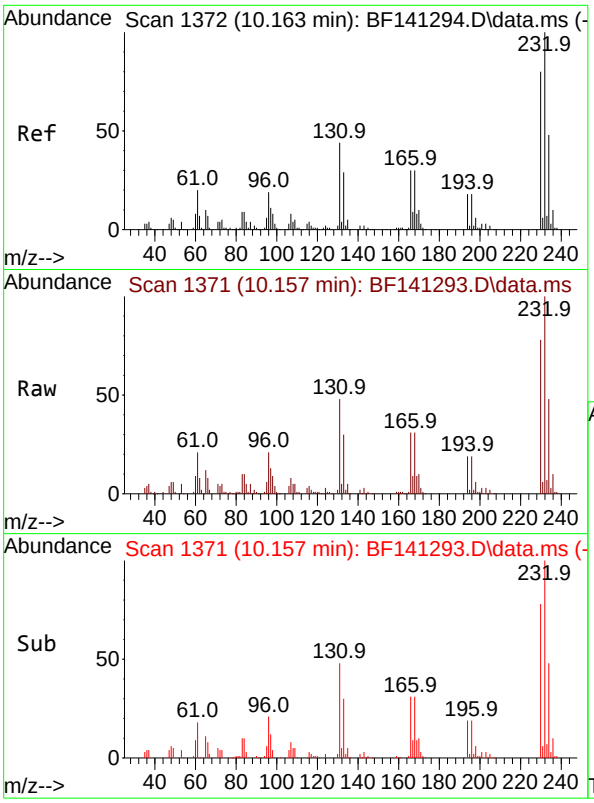


#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

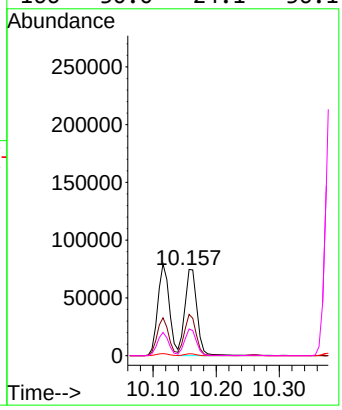




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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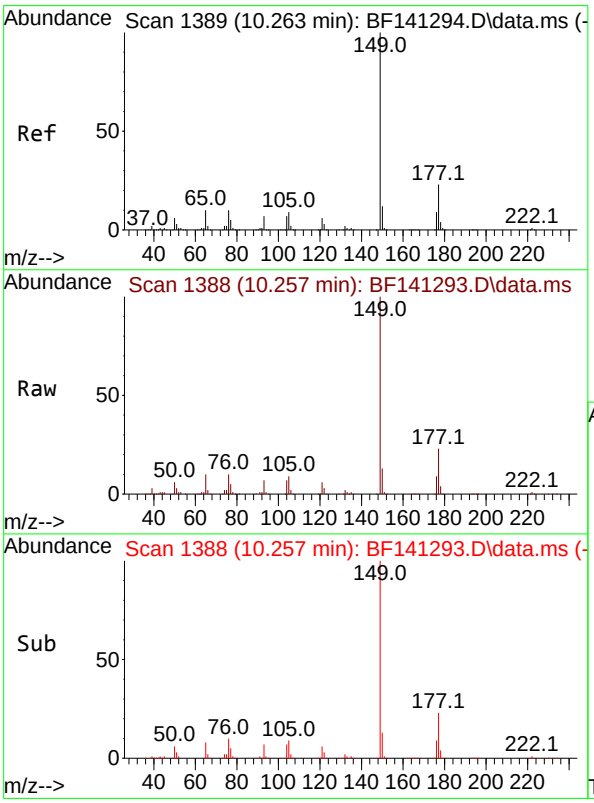
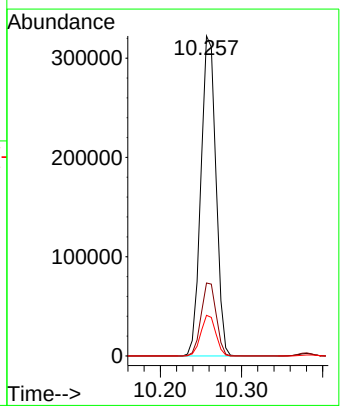
Supervised By :mohammad ahmed 02/04/2025

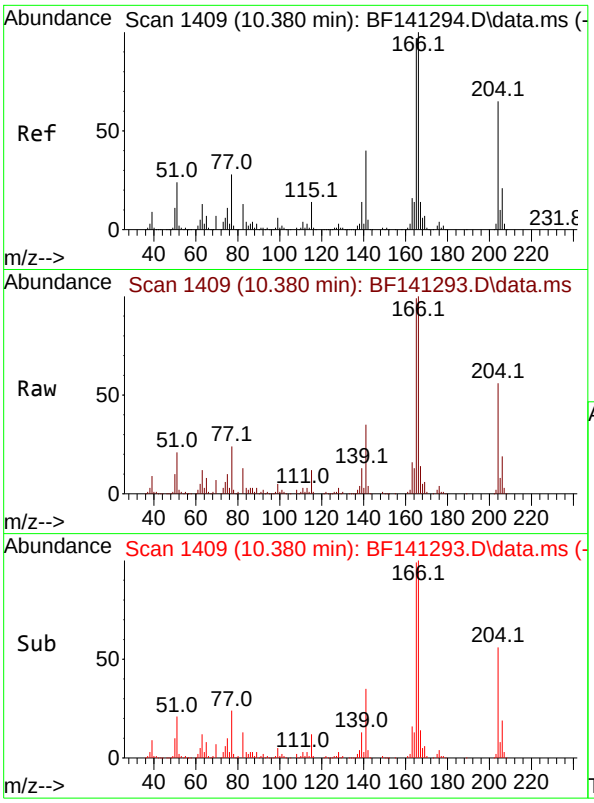


#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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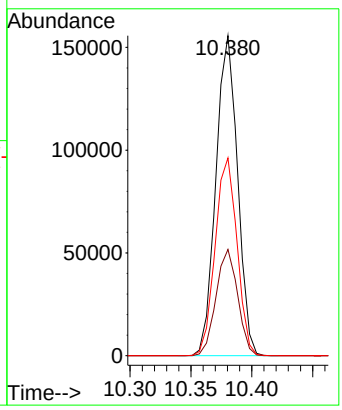
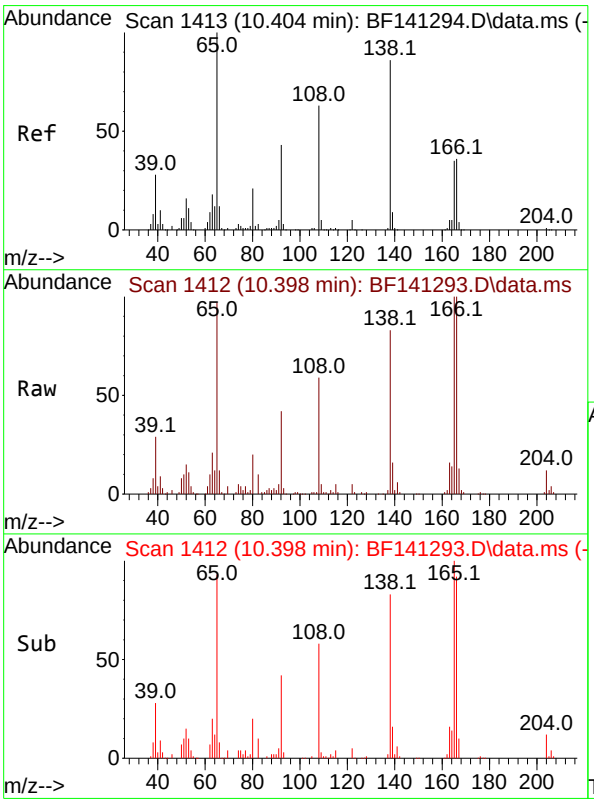
Supervised By :mohammad ahmed 02/04/2025

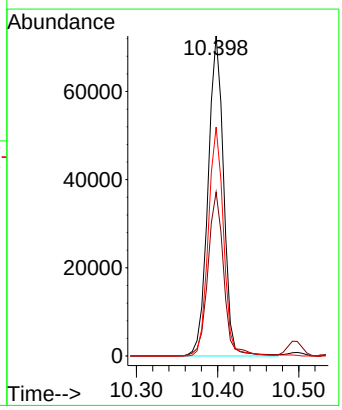


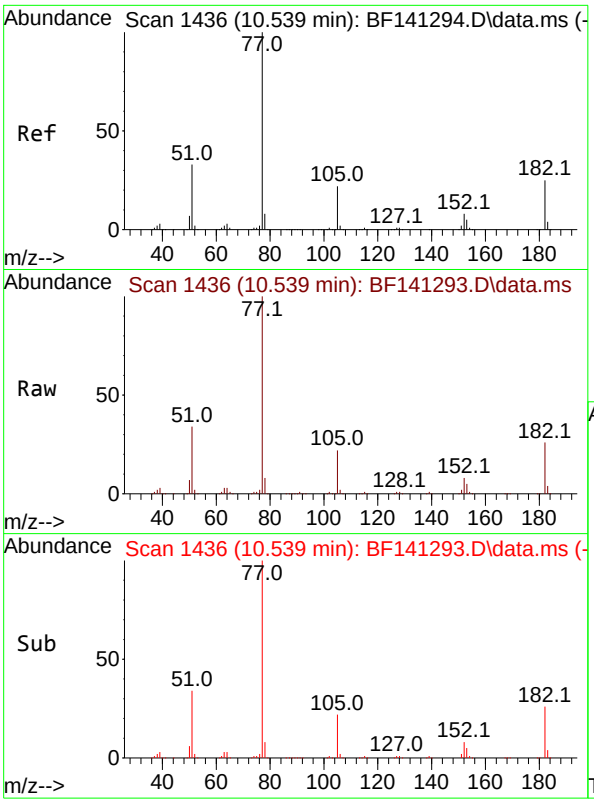


#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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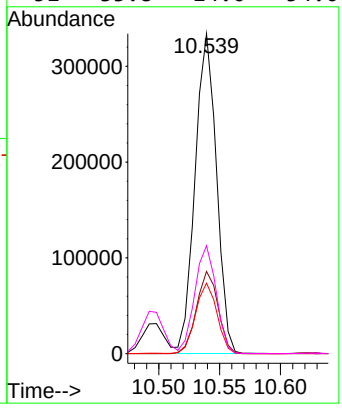
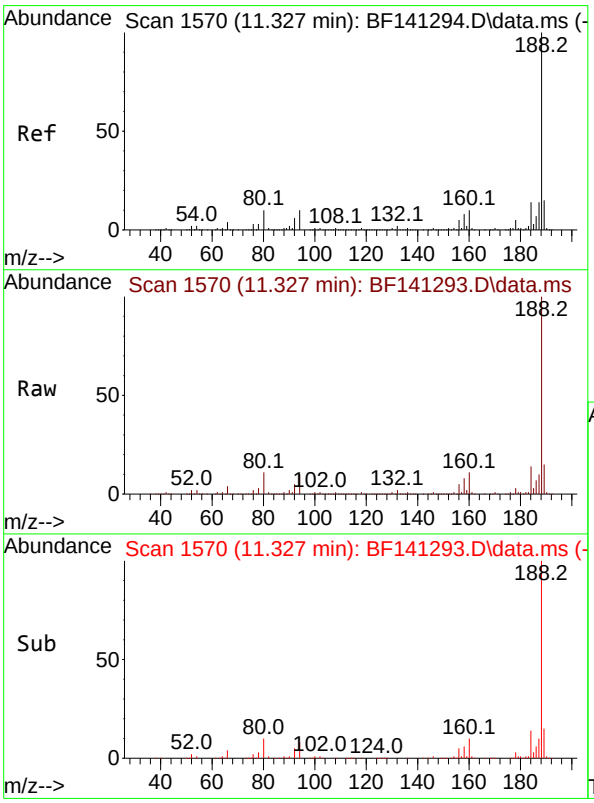
Supervised By :mohammad ahmed 02/04/2025

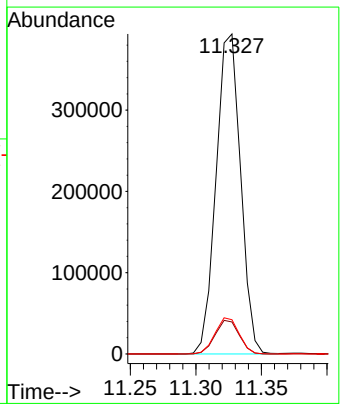


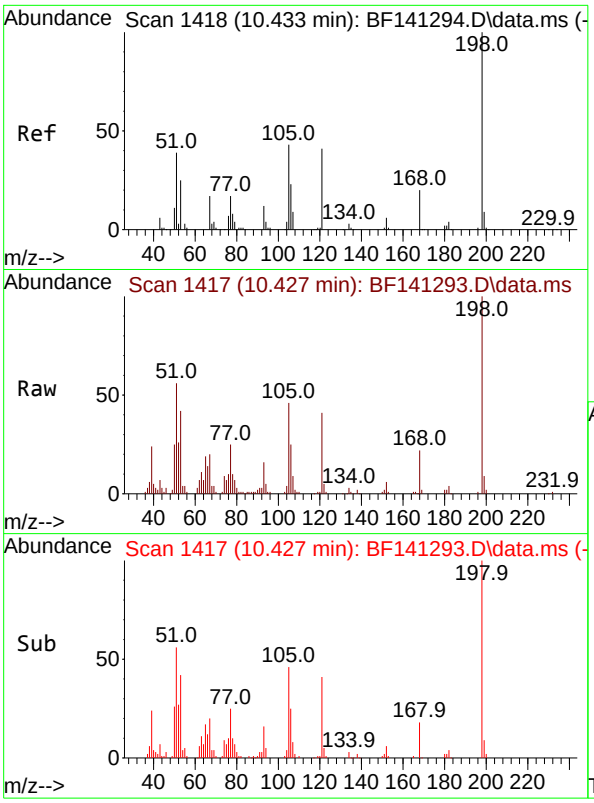


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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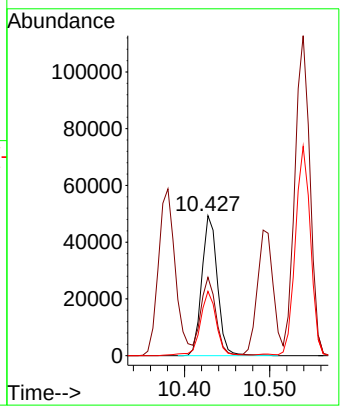
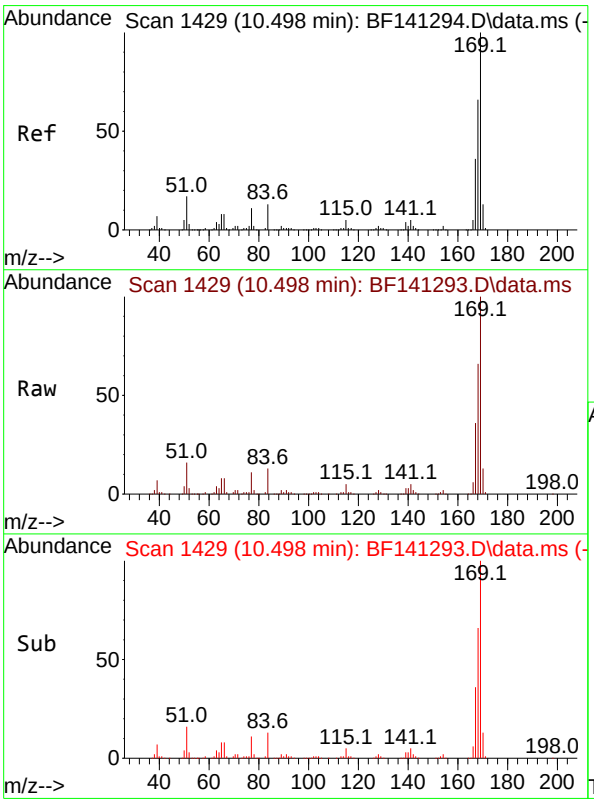
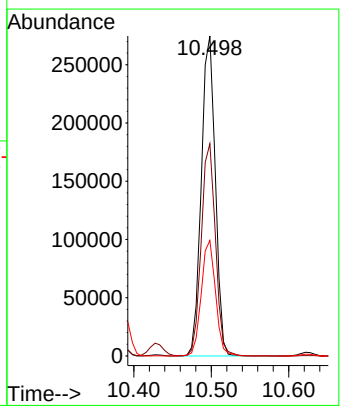


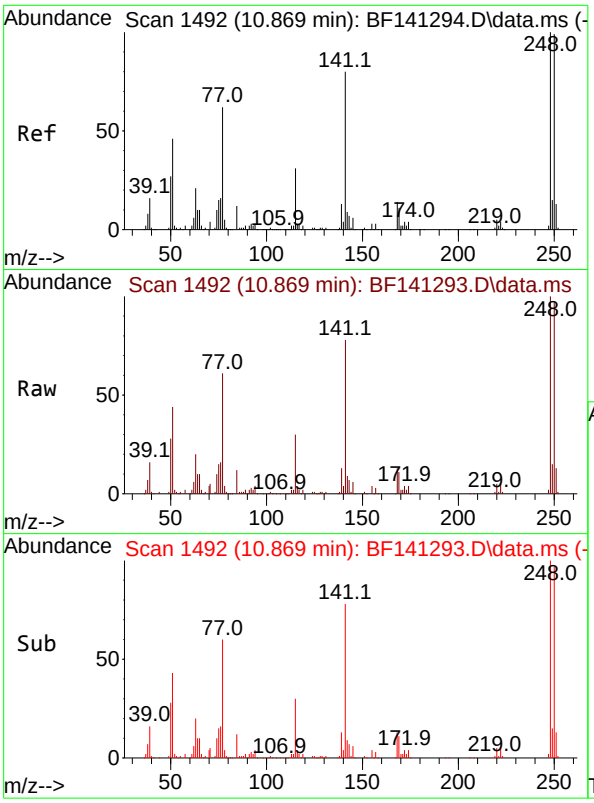


#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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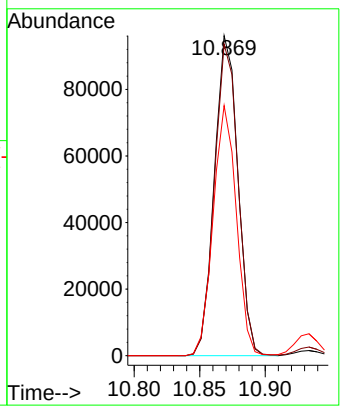
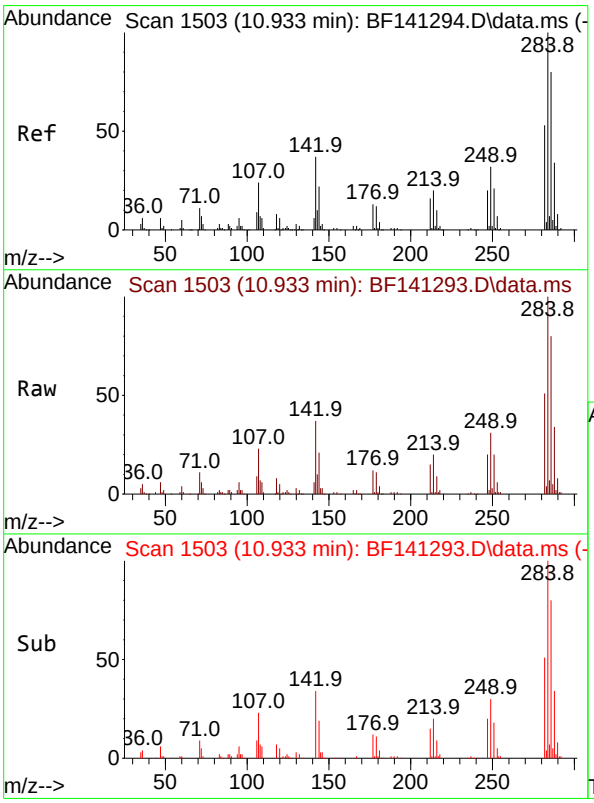
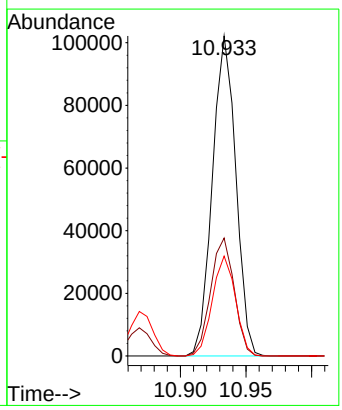


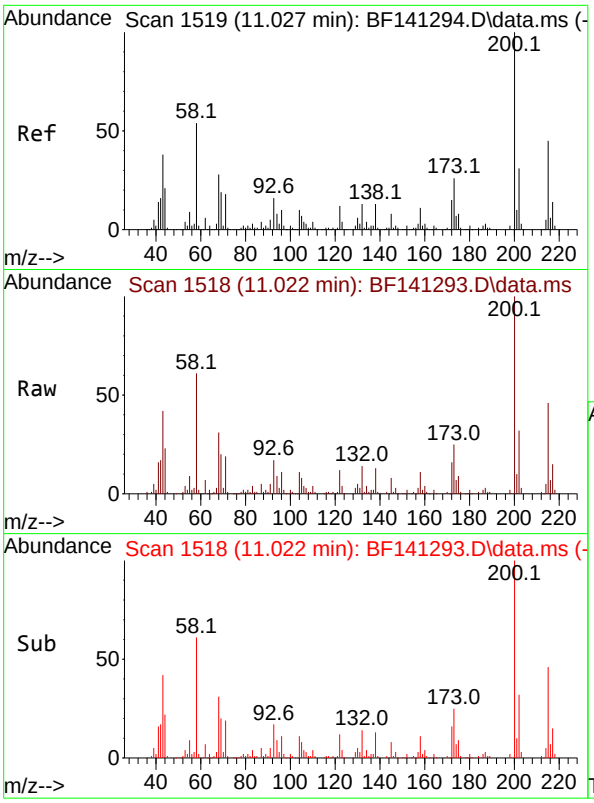


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

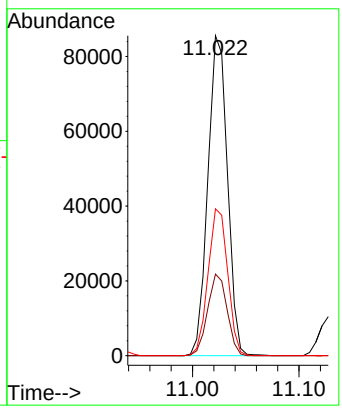




#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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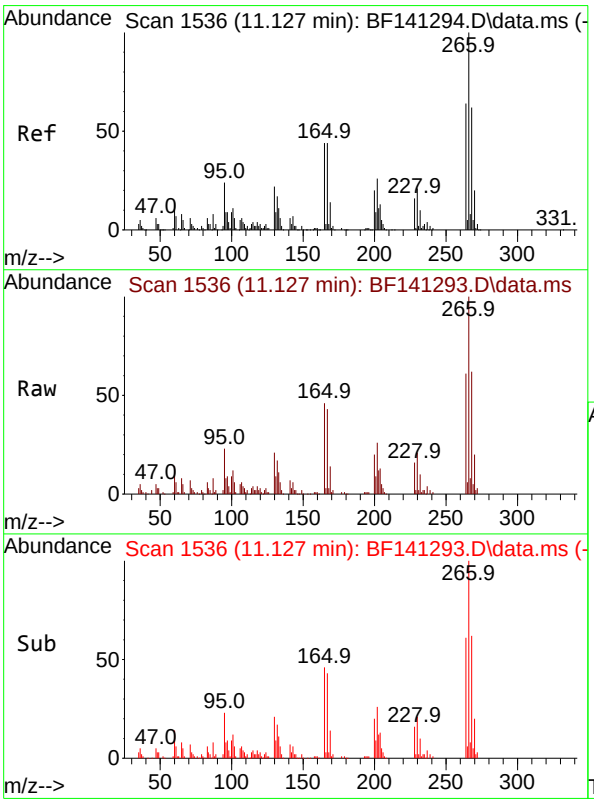
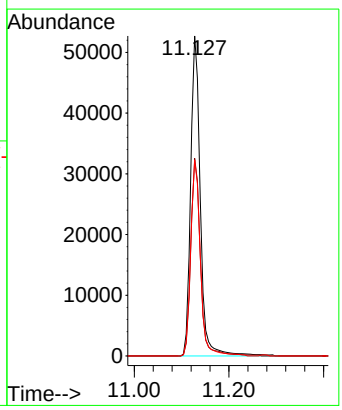
Supervised By :mohammad ahmed 02/04/2025

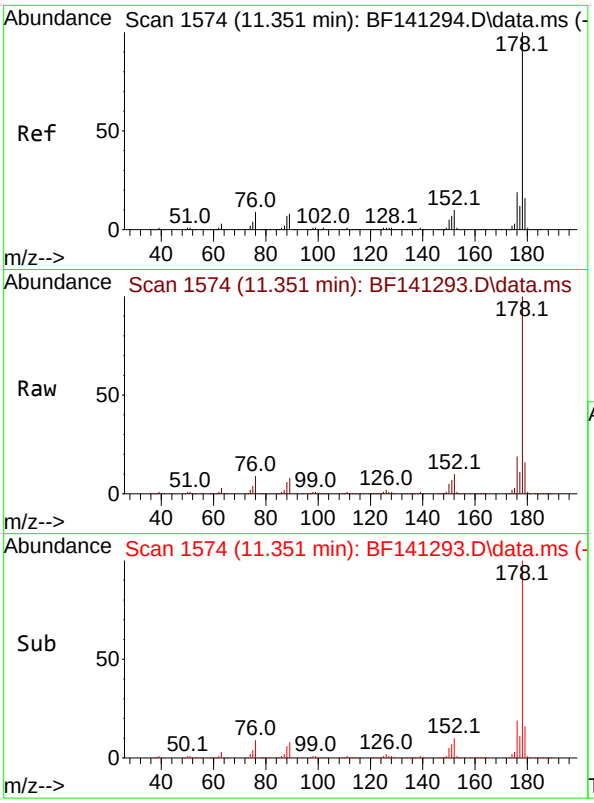


#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

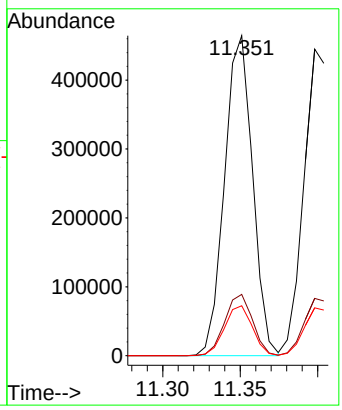




#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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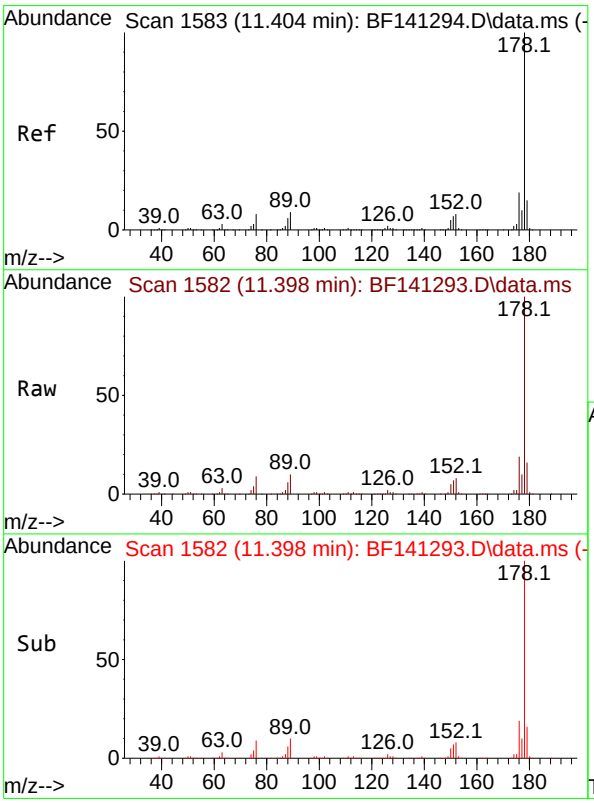
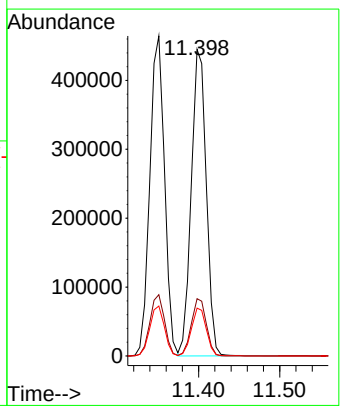
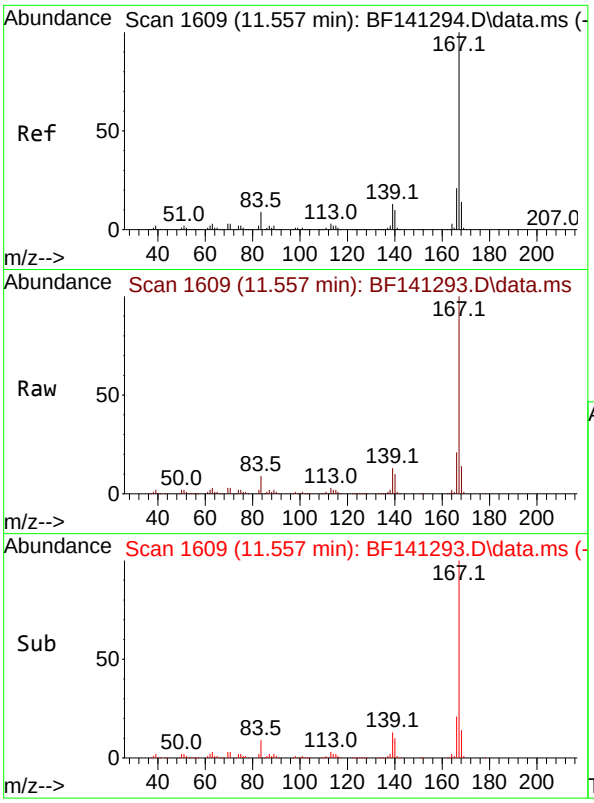


#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

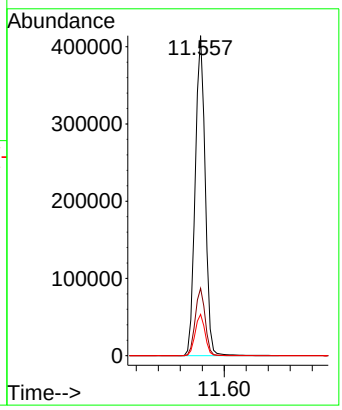




#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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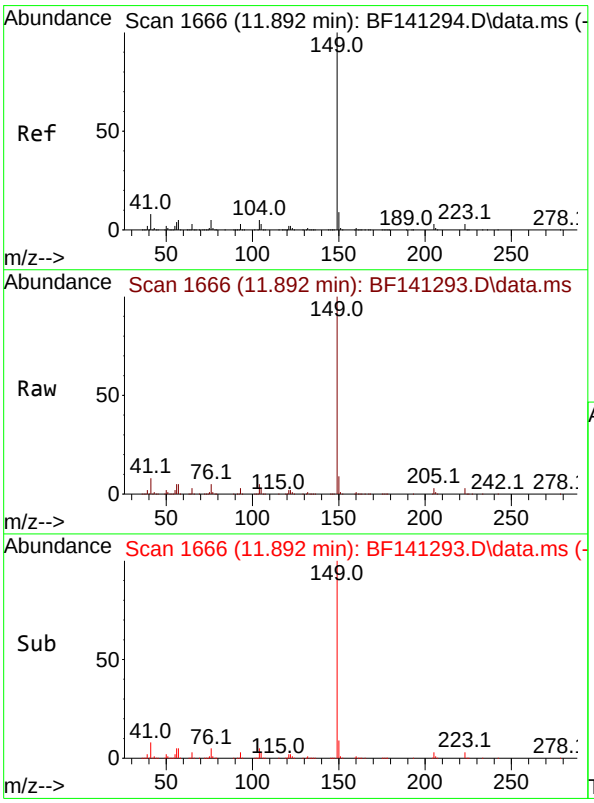
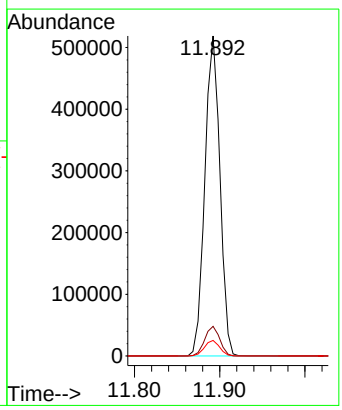
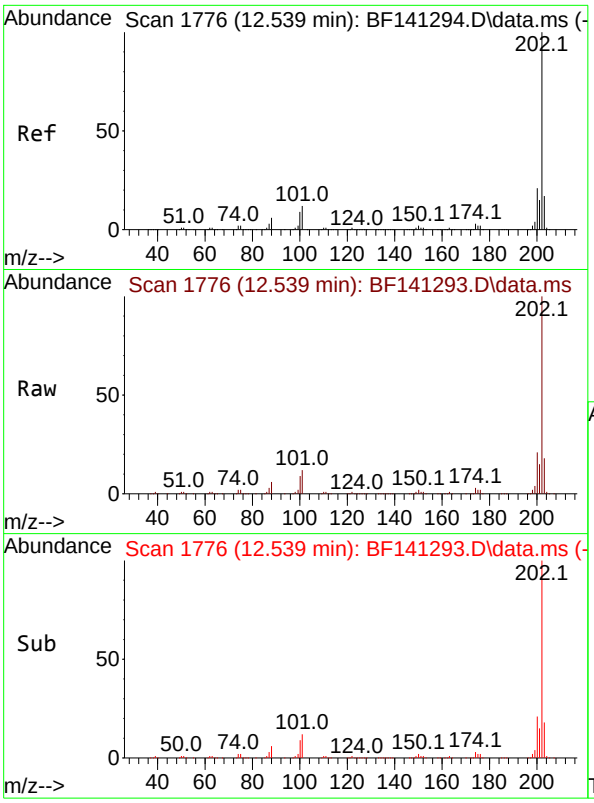


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

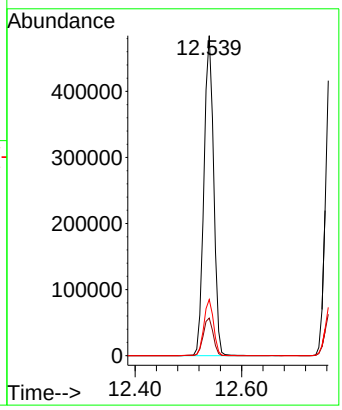




#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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ClientSampleId :
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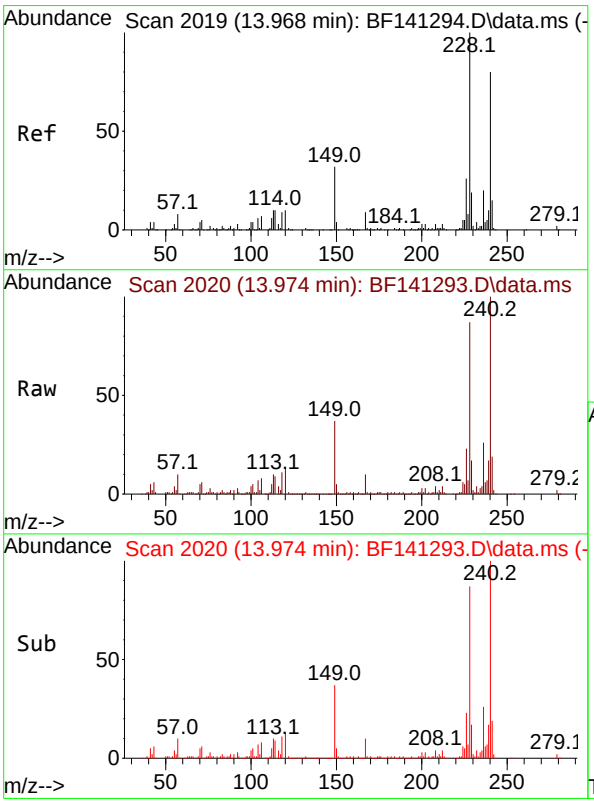
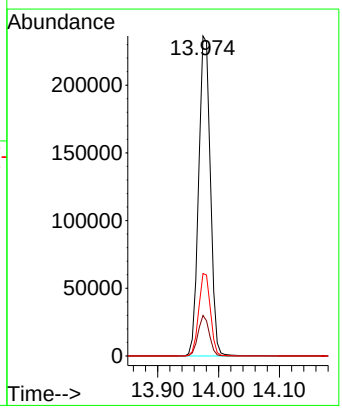
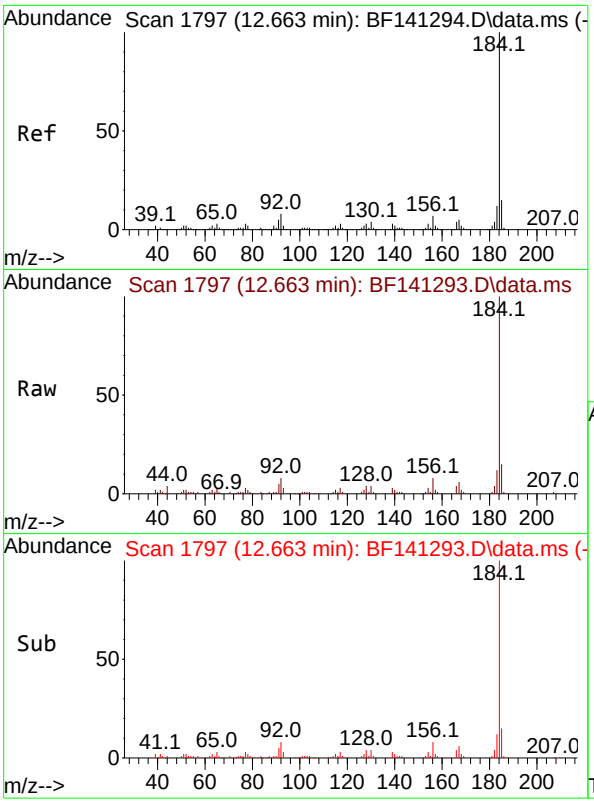


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

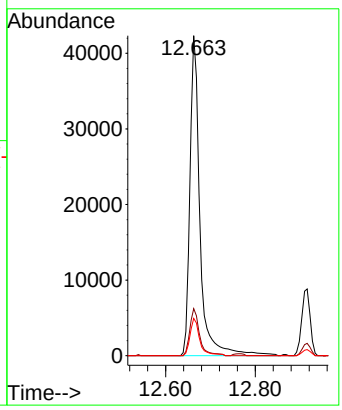




#77
Benzidine
Concen: 6.904 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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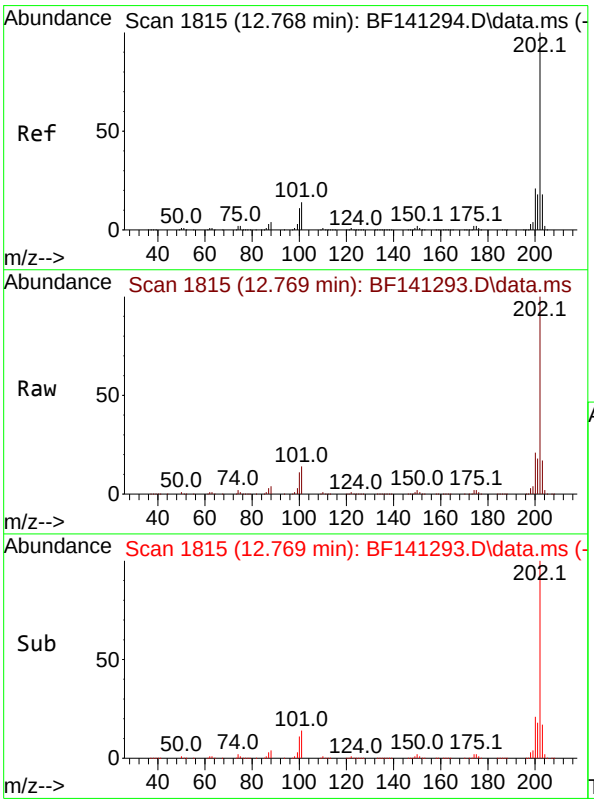
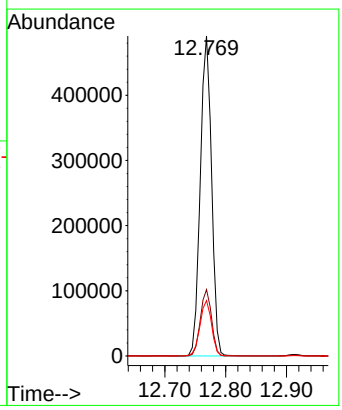
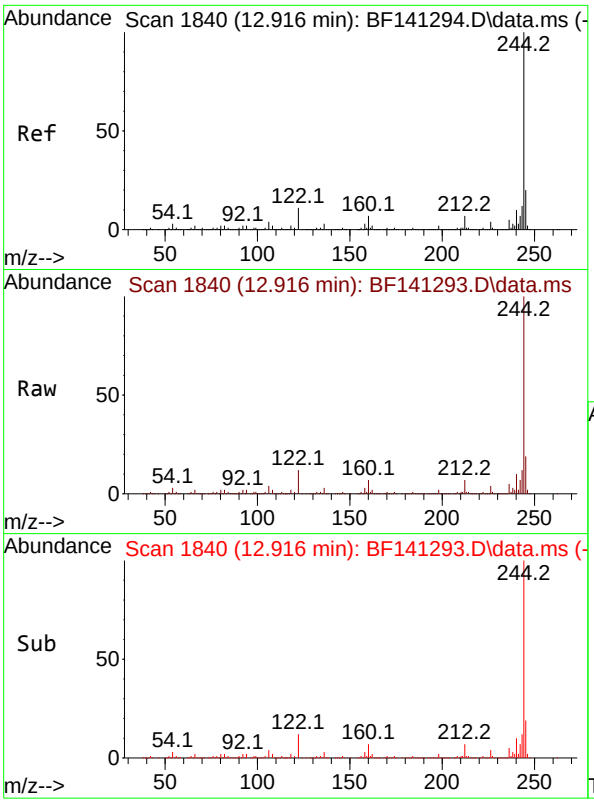


#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

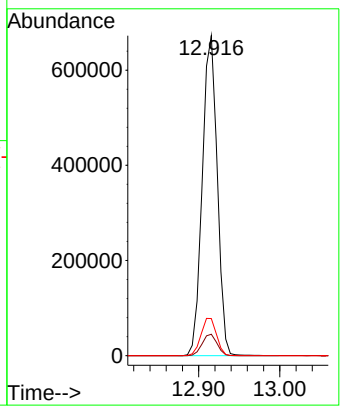




#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
BNA_F
ClientSampleId :
SSTDICC020

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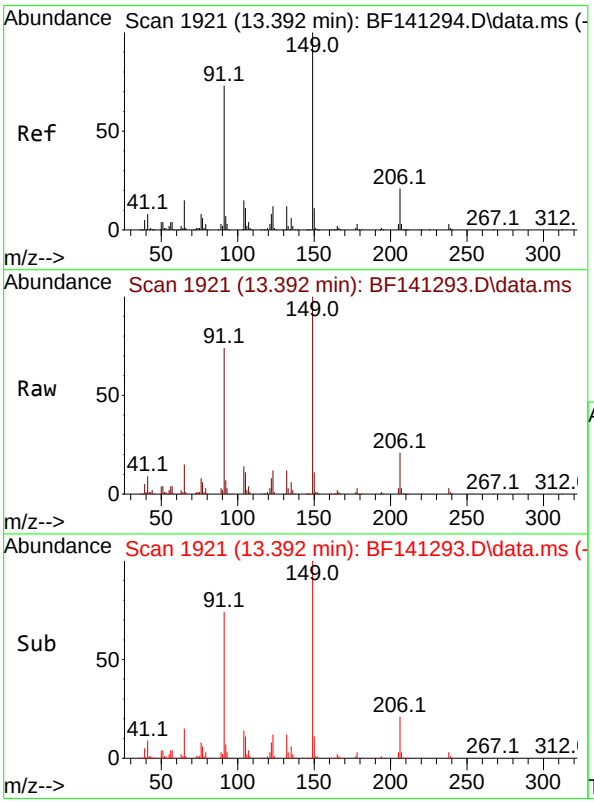
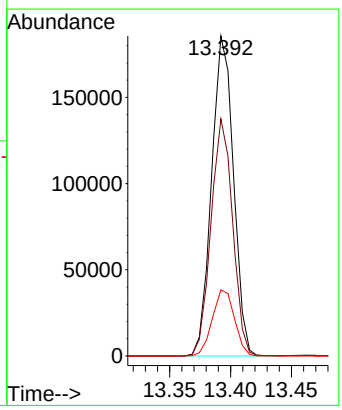
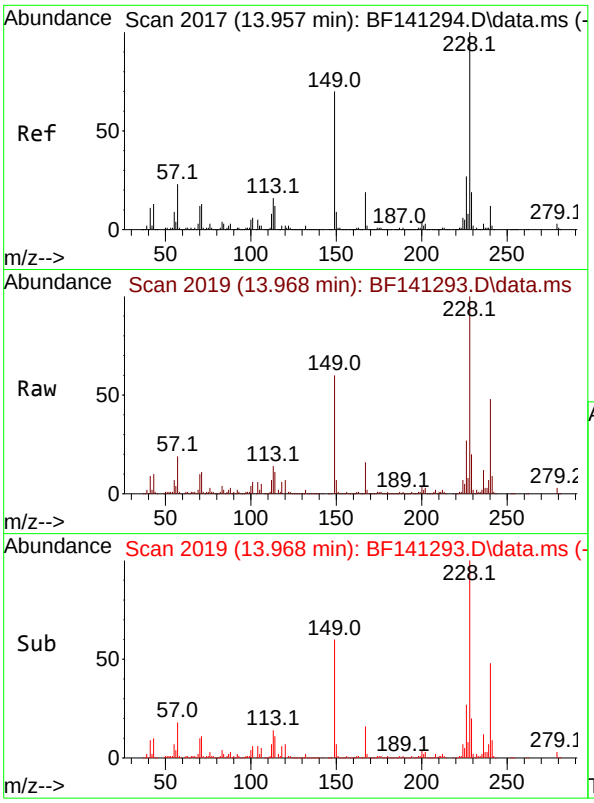


#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

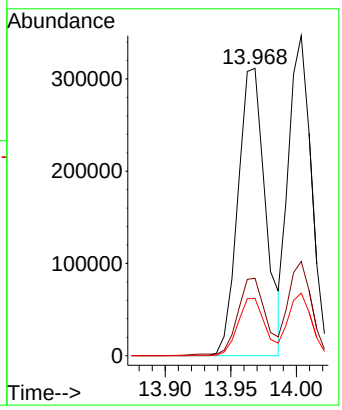




#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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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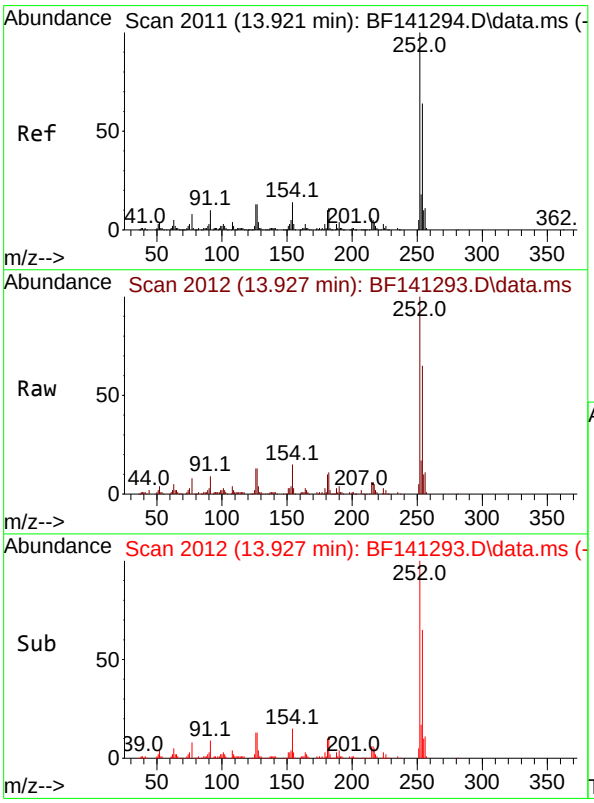
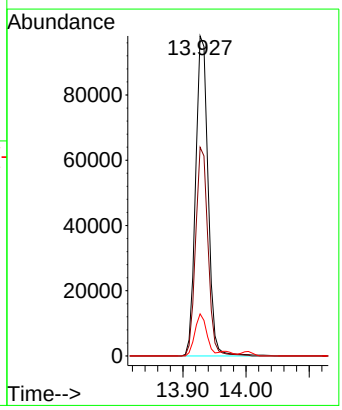
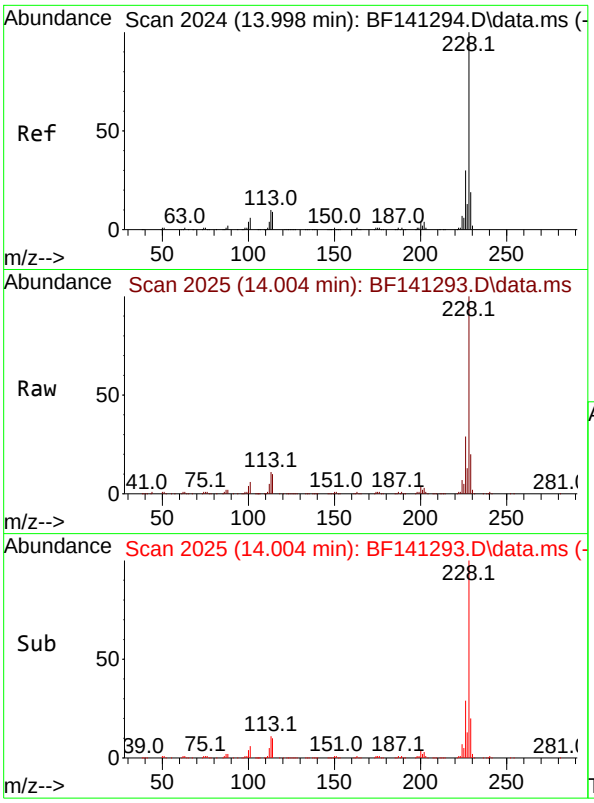


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

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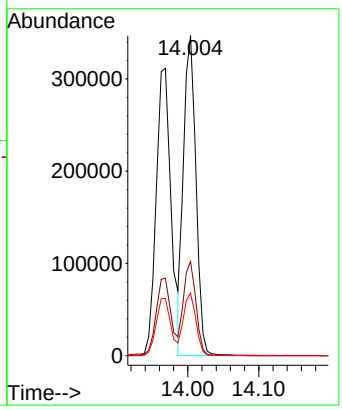
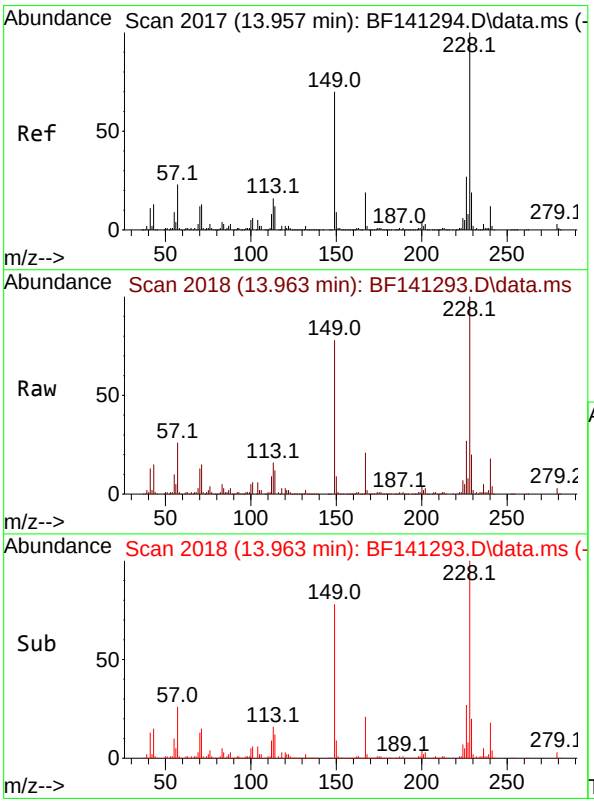
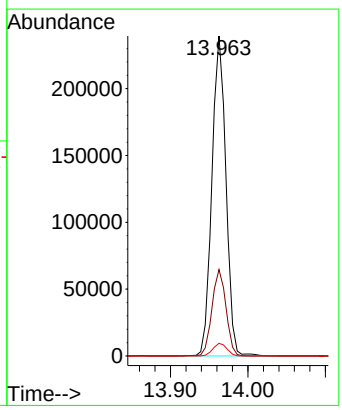


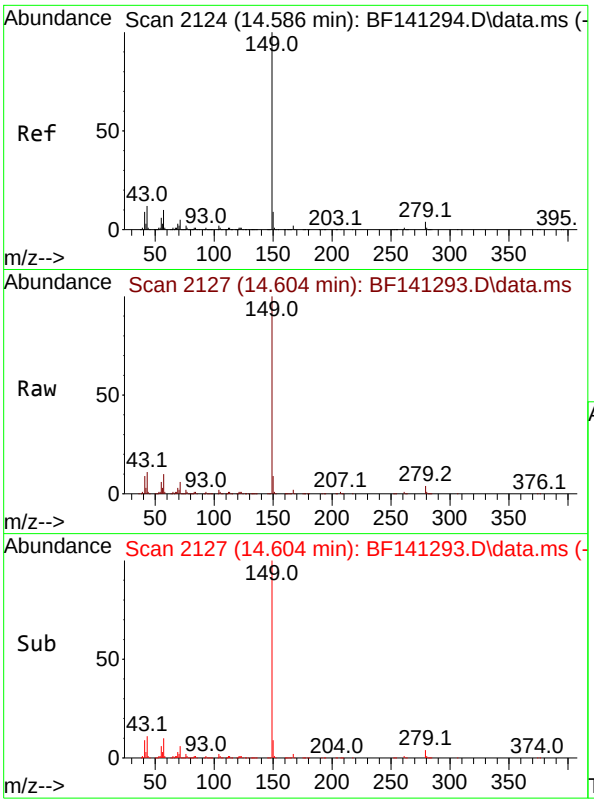


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

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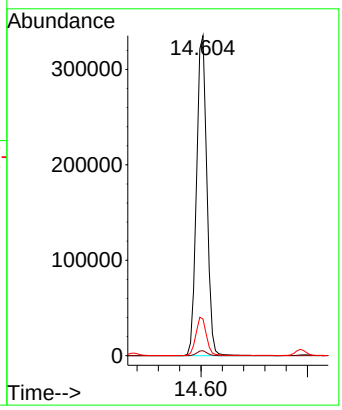
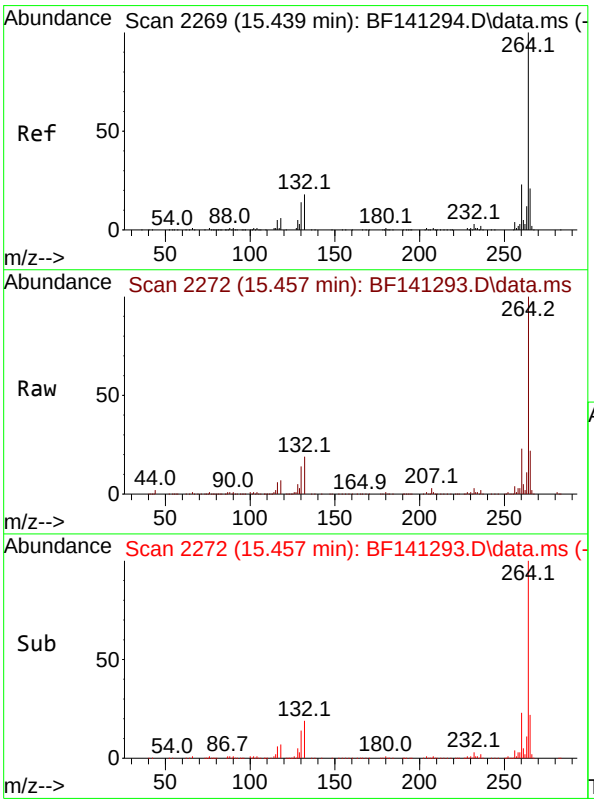
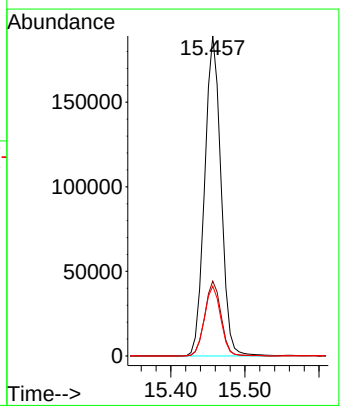


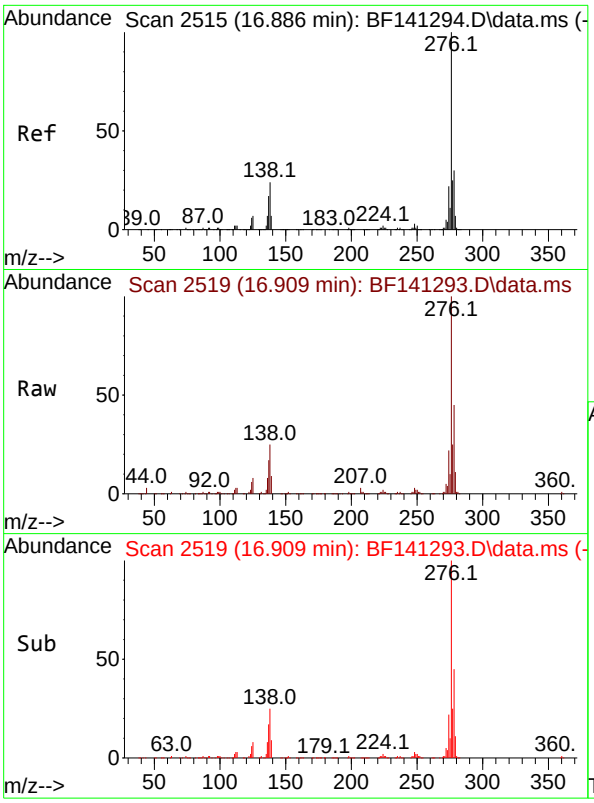


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

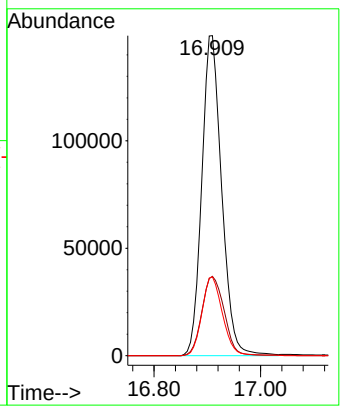




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.466 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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 :
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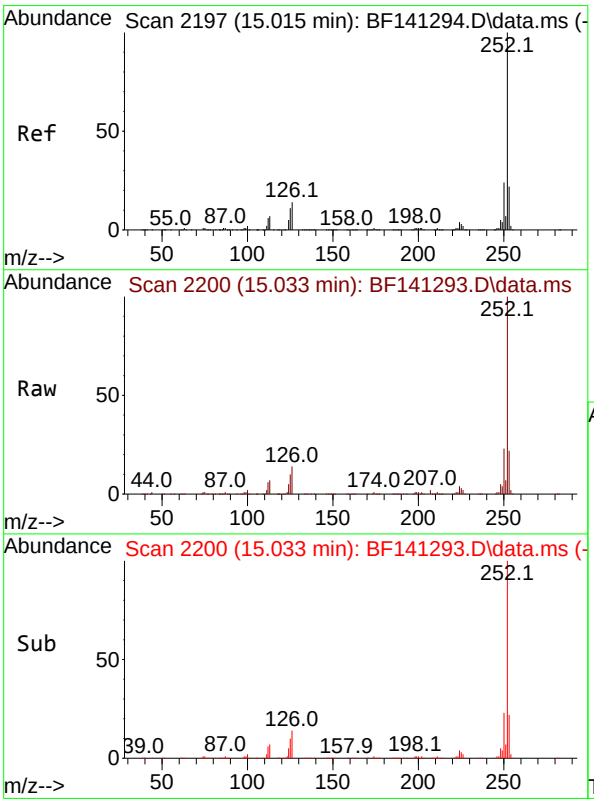
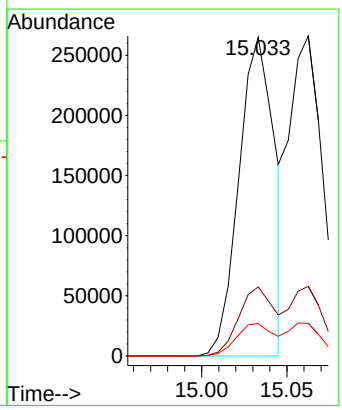
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

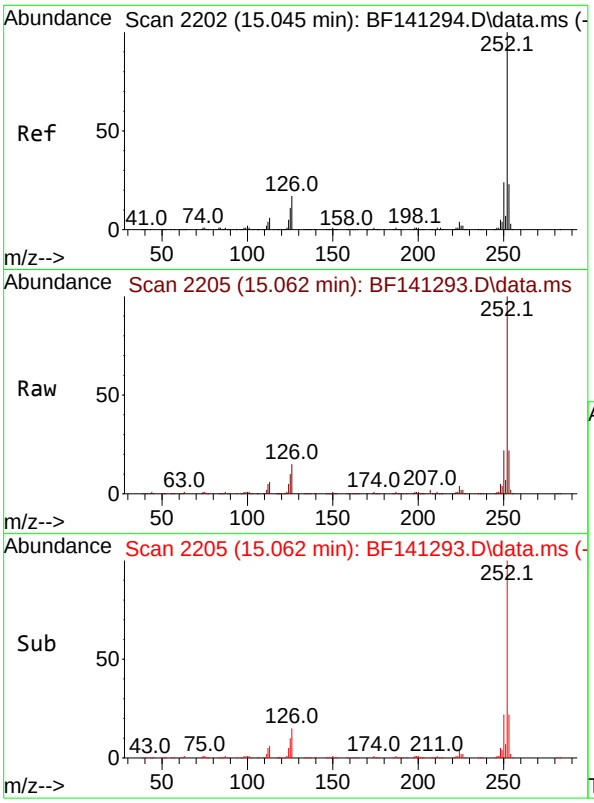


#88
Benzo(b)fluoranthene
Concen: 21.383 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

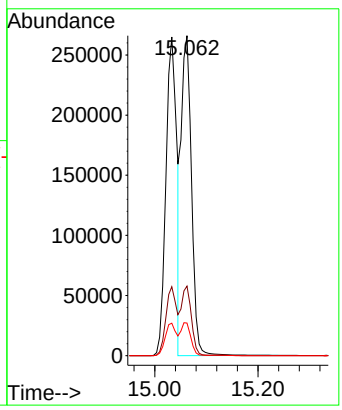
Tgt Ion:252 Resp: 36880

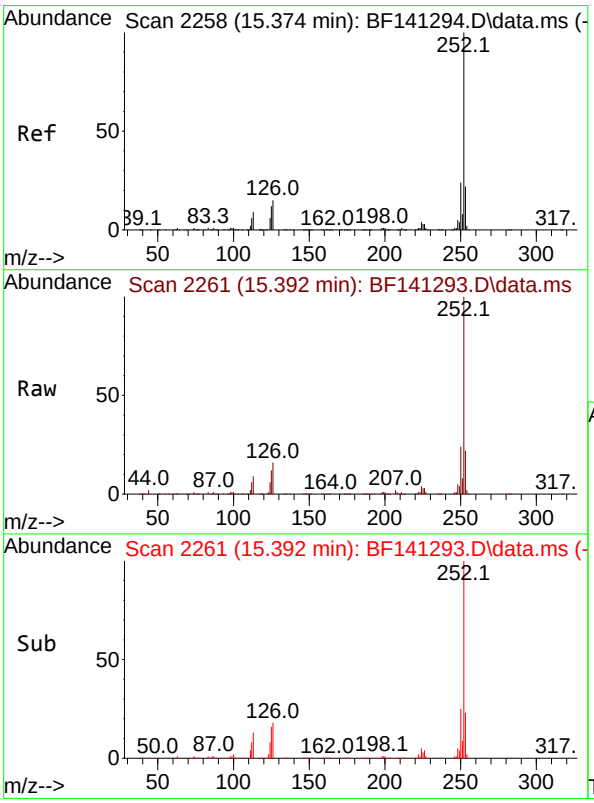
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.2	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

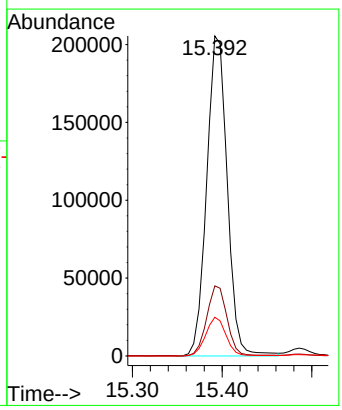


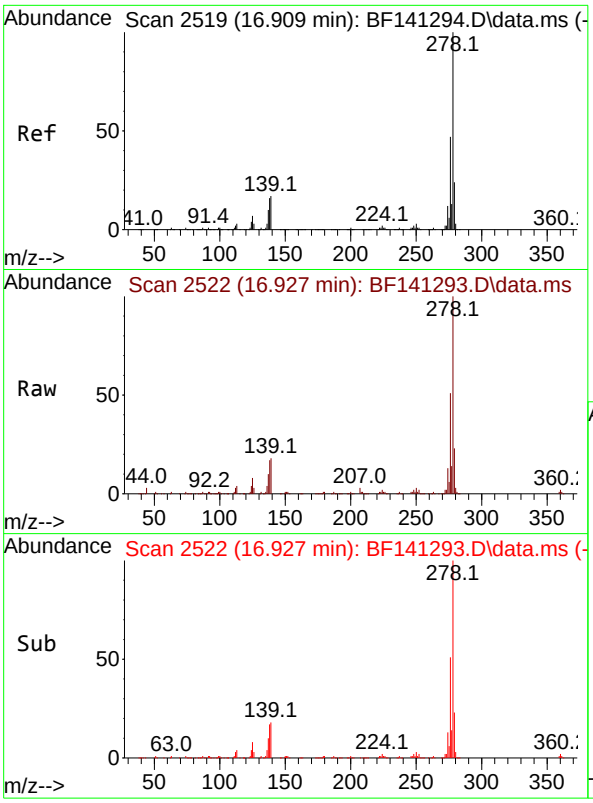


#90
Benzo(a)pyrene
Concen: 21.317 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

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

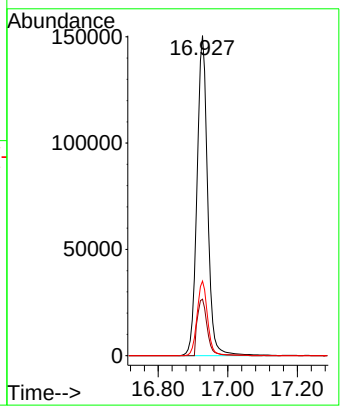




#91
Dibenzo(a,h)anthracene
Concen: 21.026 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:278 Resp: 31877

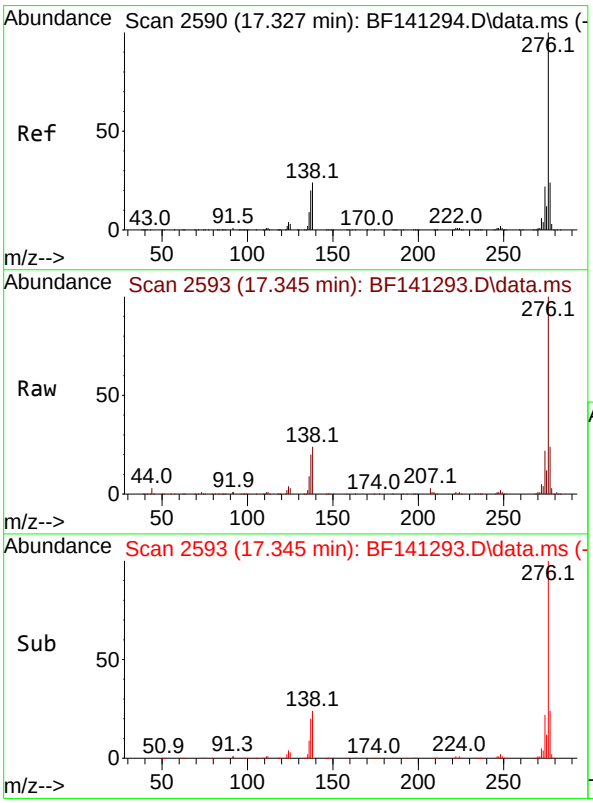
Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

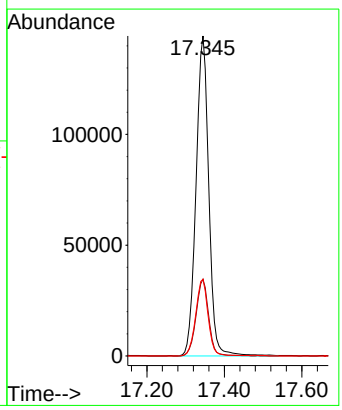
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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



ICAL Form

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

ICAL Form

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

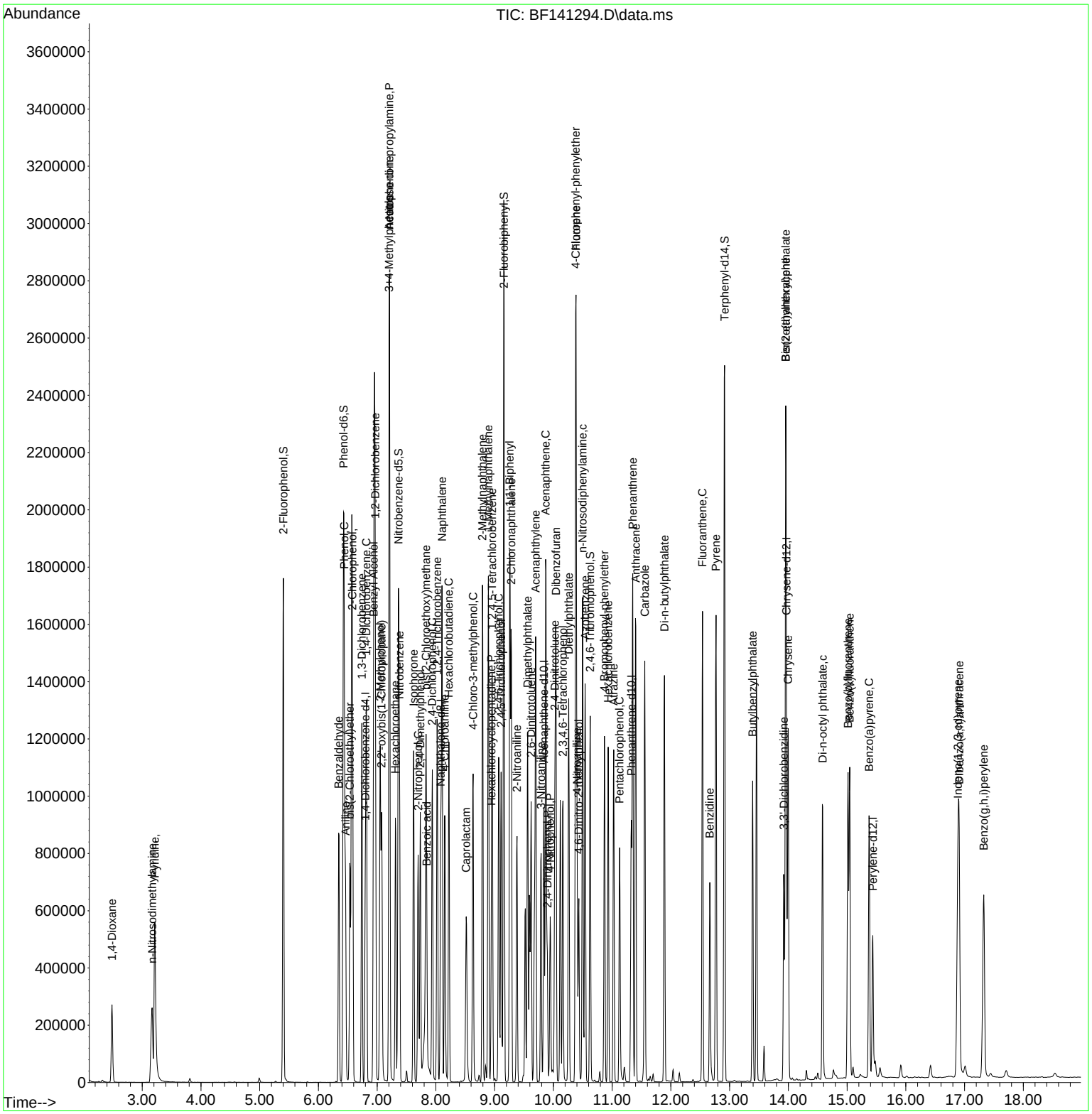
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	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

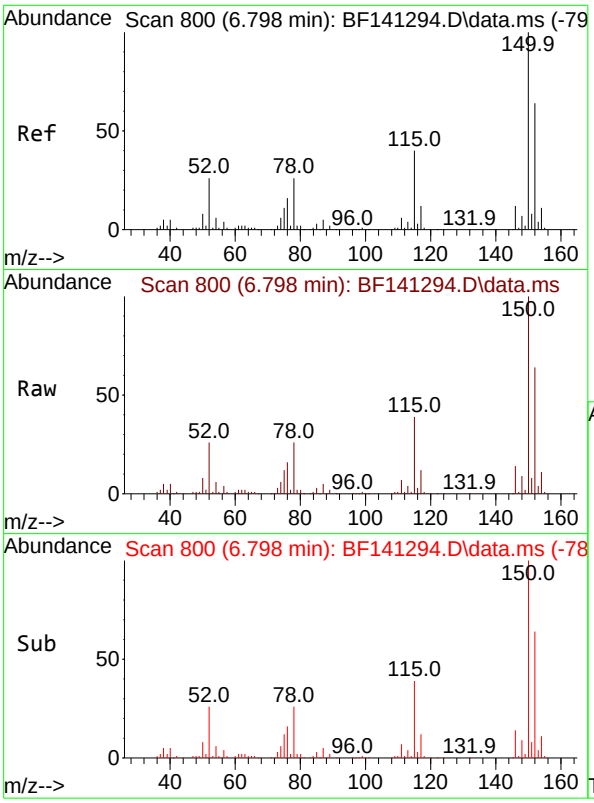
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



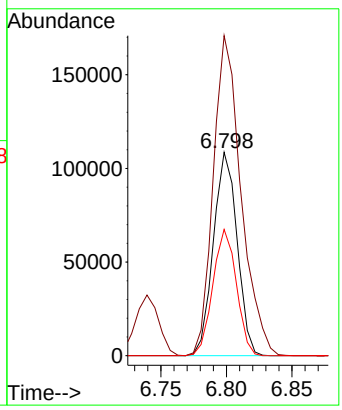


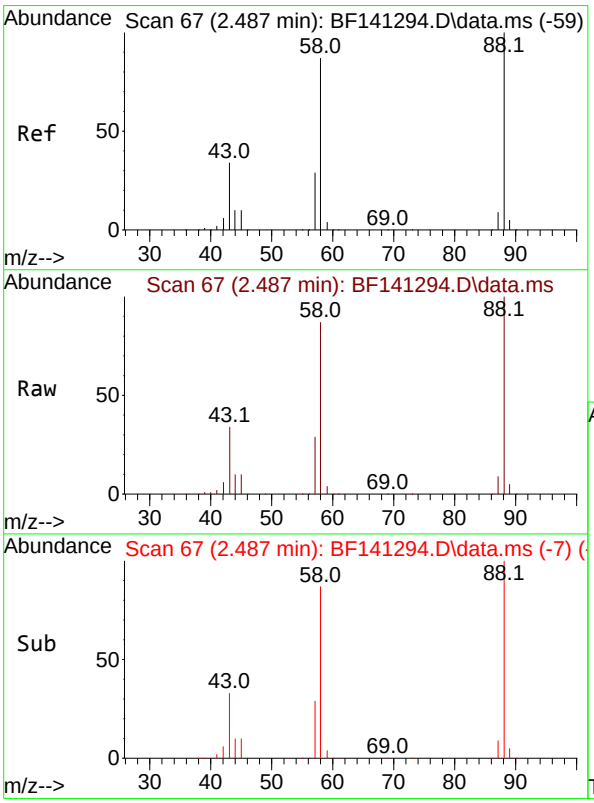
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

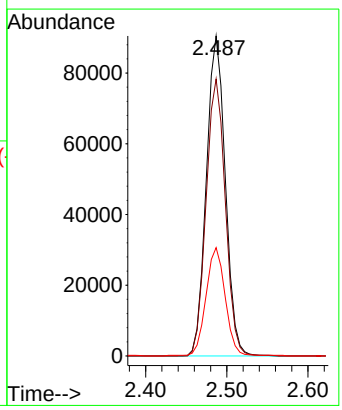


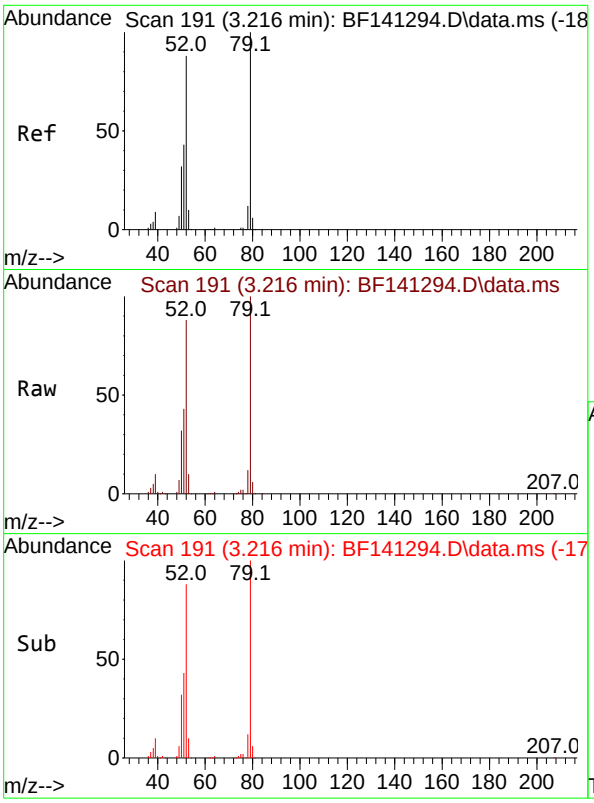


#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



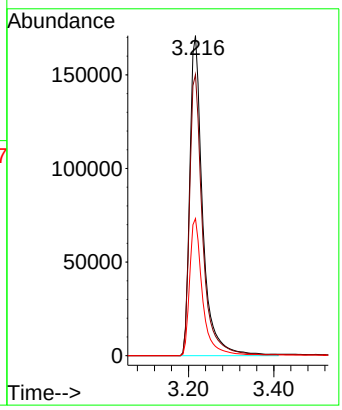


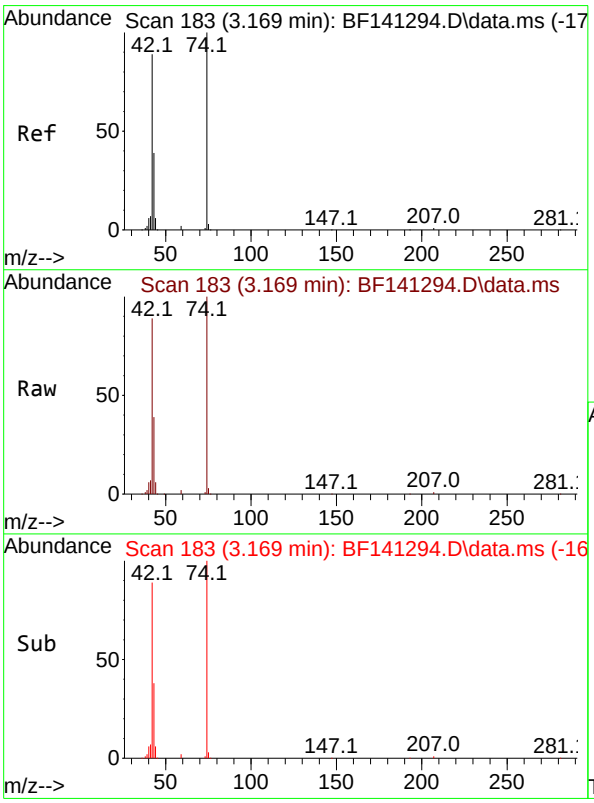
#3
Pyridine
Concen: 38.457 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

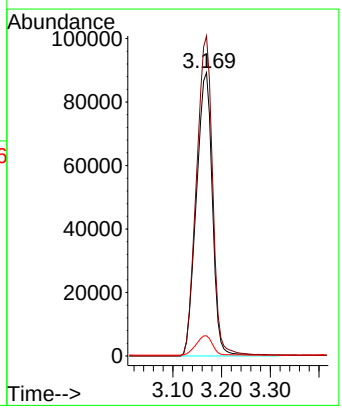


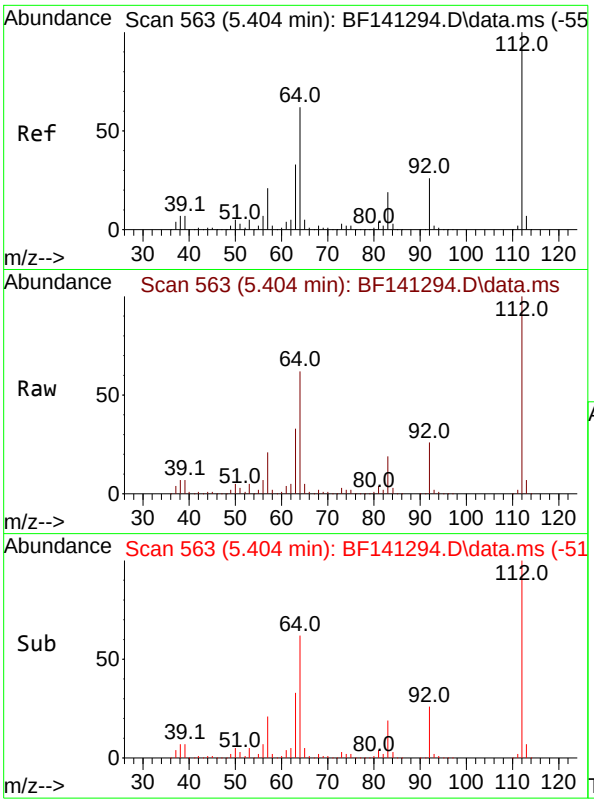


#4
n-Nitrosodimethylamine
Concen: 38.203 ng
RT: 3.169 min Scan# 183
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



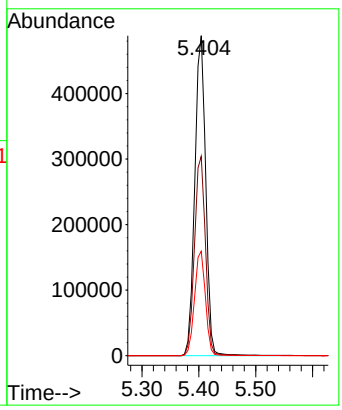


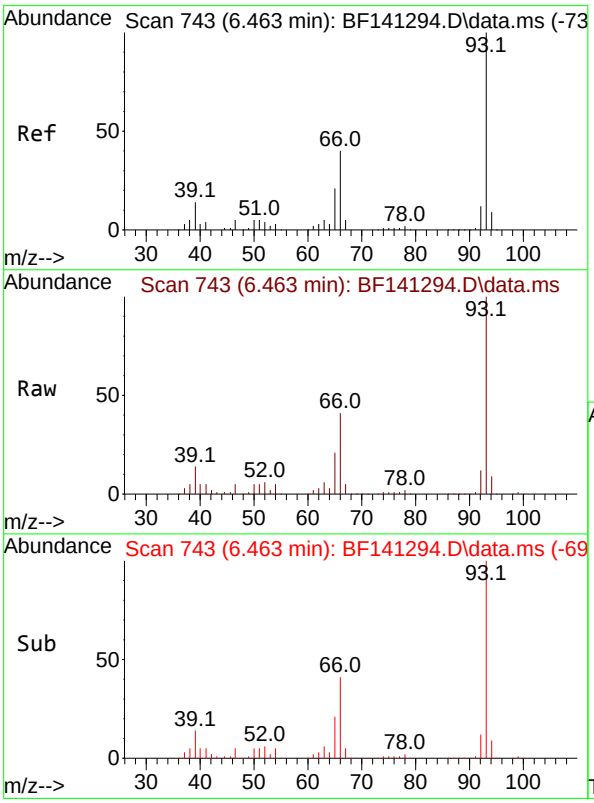
#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

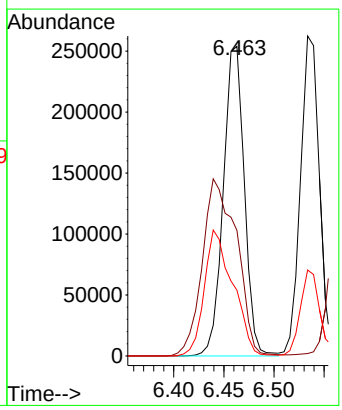


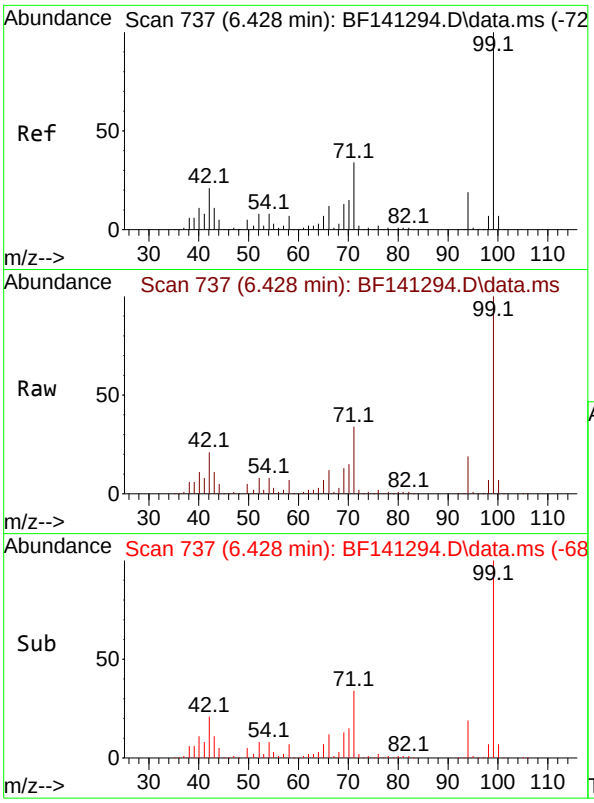


#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



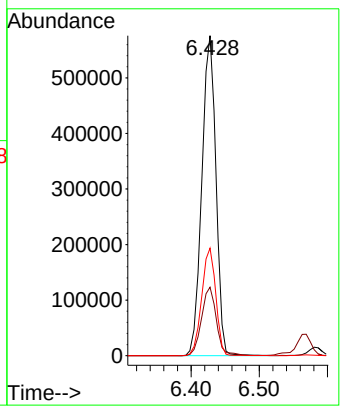


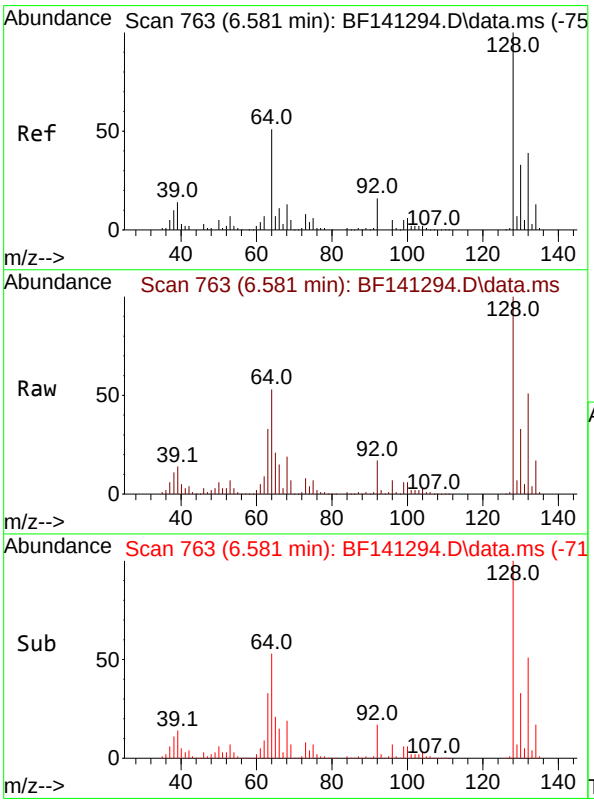
#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

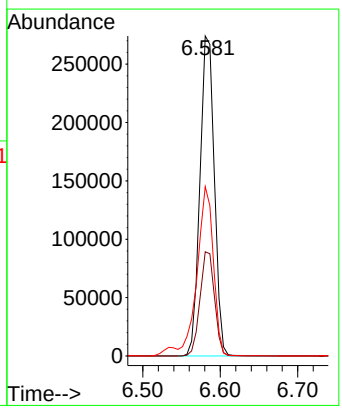


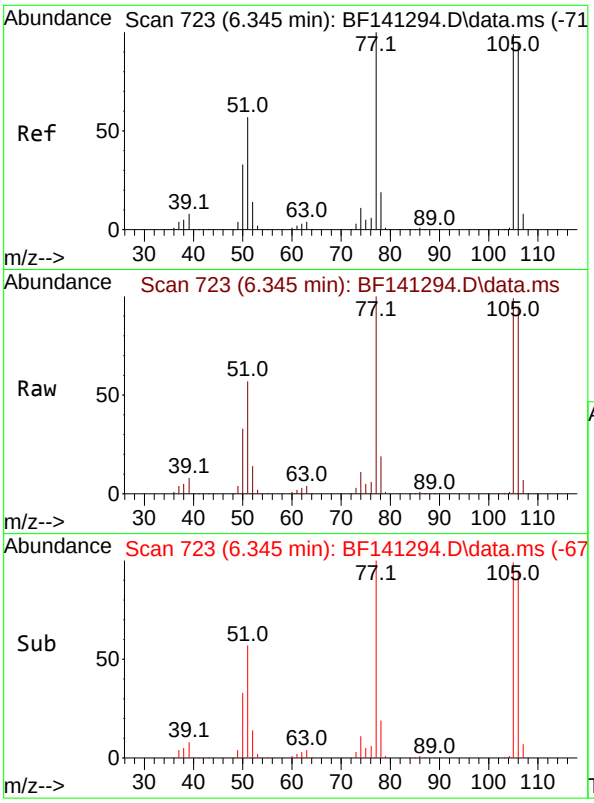


#8
2-Chlorophenol
Concen: 37.357 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



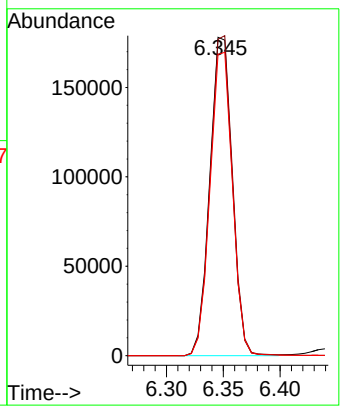


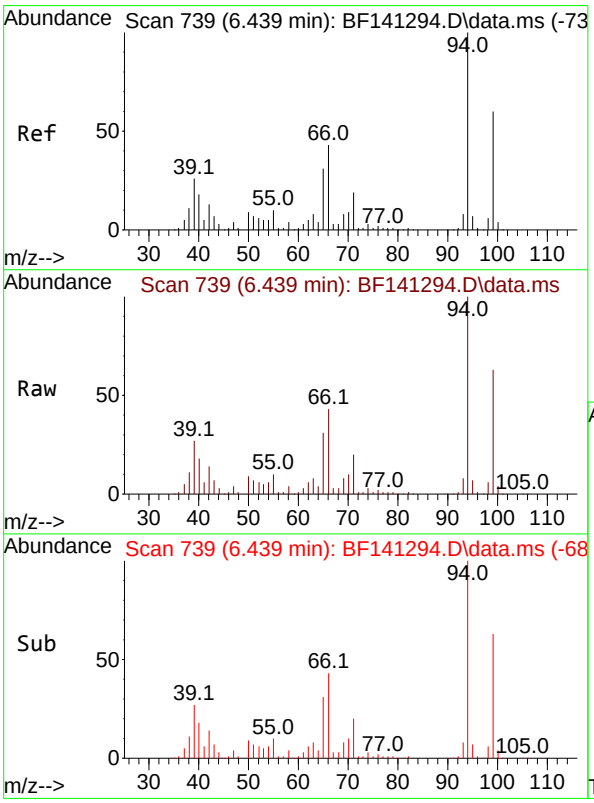
#9
Benzaldehyde
Concen: 37.402 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

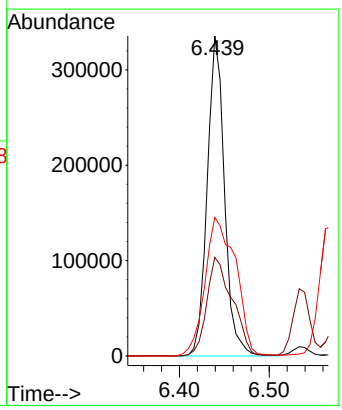


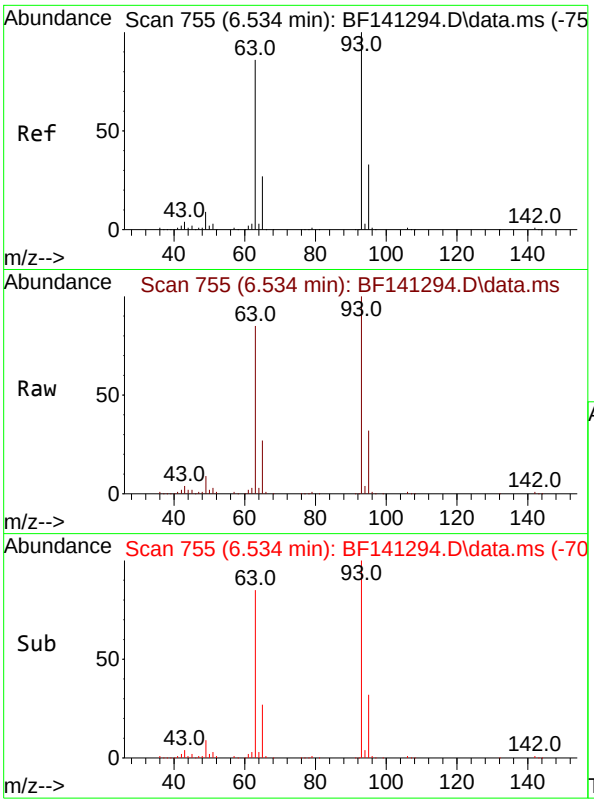


#10
Phenol
Concen: 37.678 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



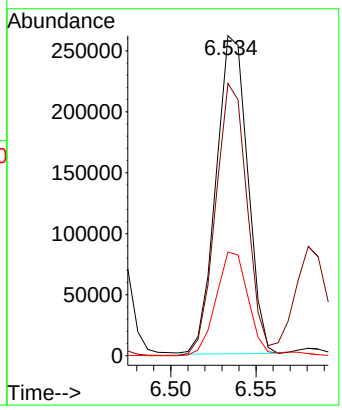


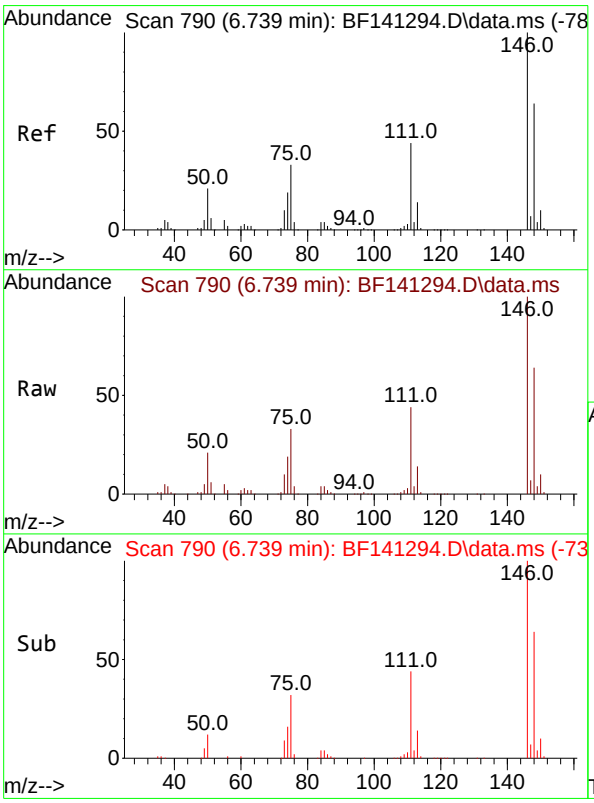
#11
bis(2-Chloroethyl)ether
Concen: 36.754 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

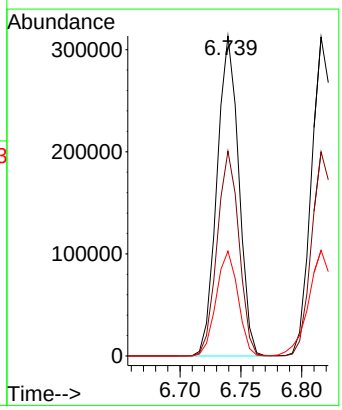


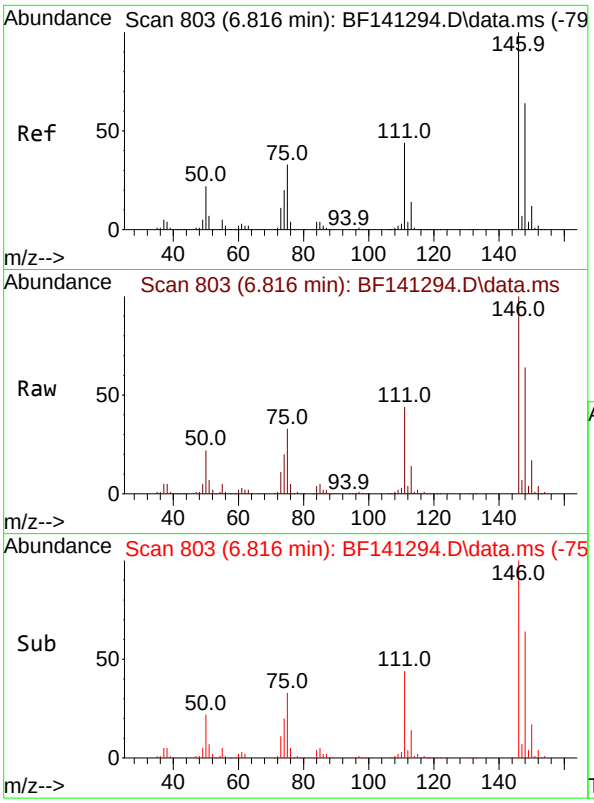


#12
1,3-Dichlorobenzene
Concen: 37.328 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



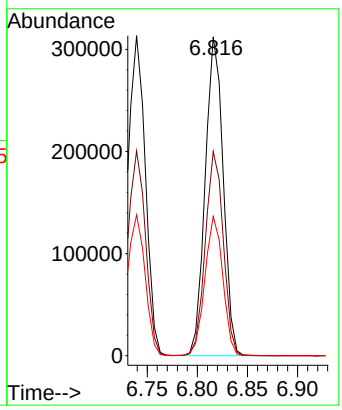


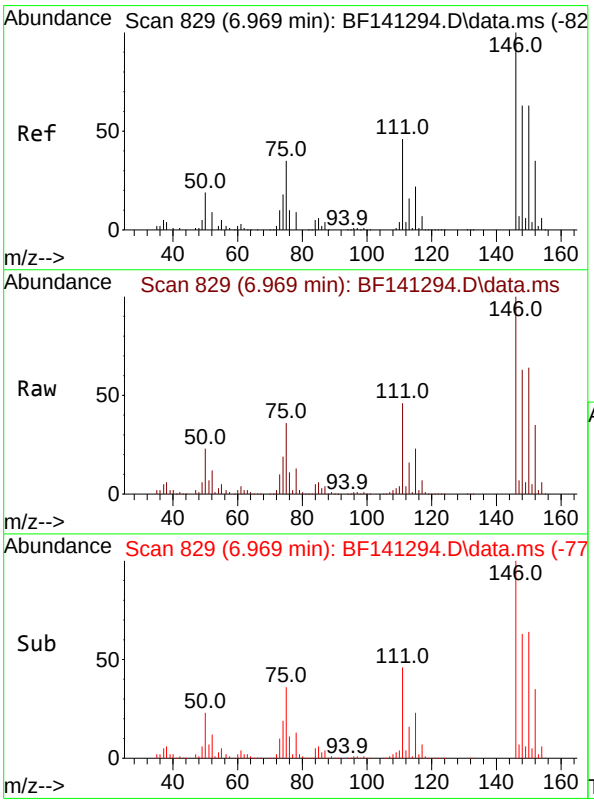
#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

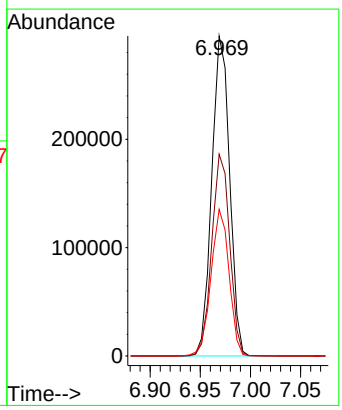


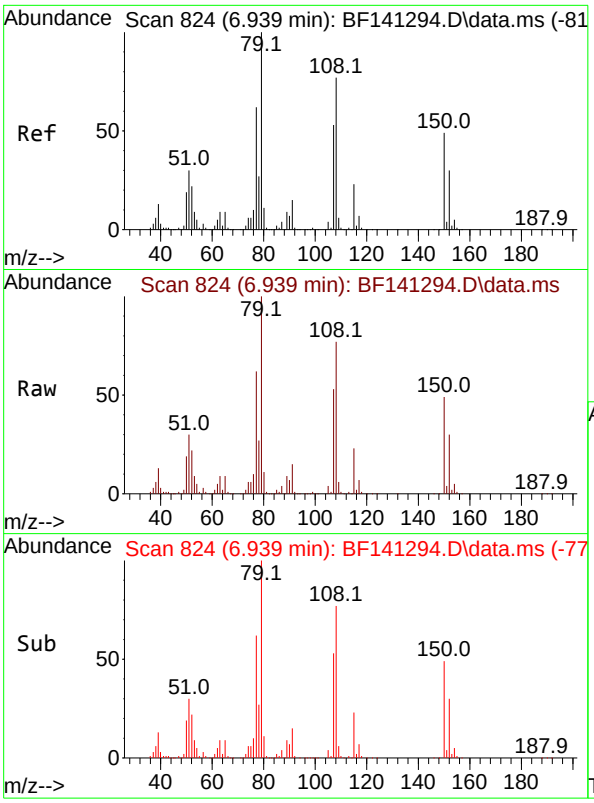


#14
1,2-Dichlorobenzene
Concen: 37.114 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



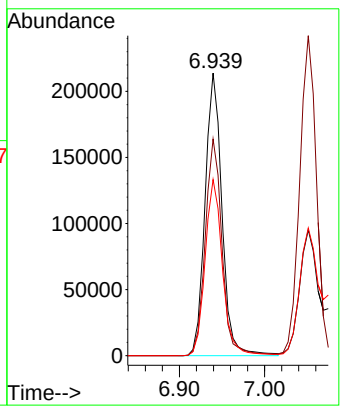


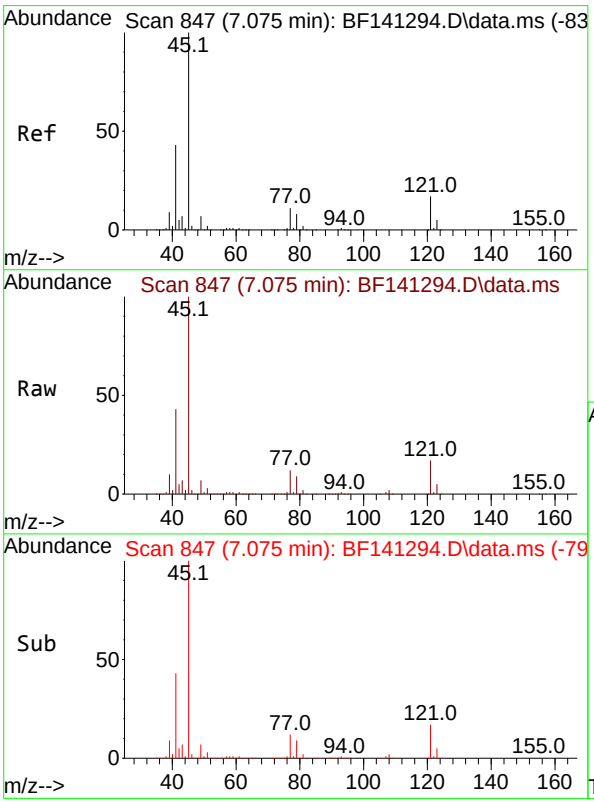
#15
Benzyl Alcohol
Concen: 38.445 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

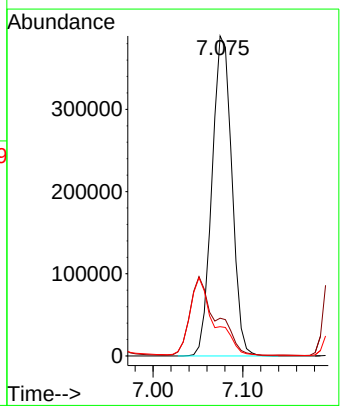


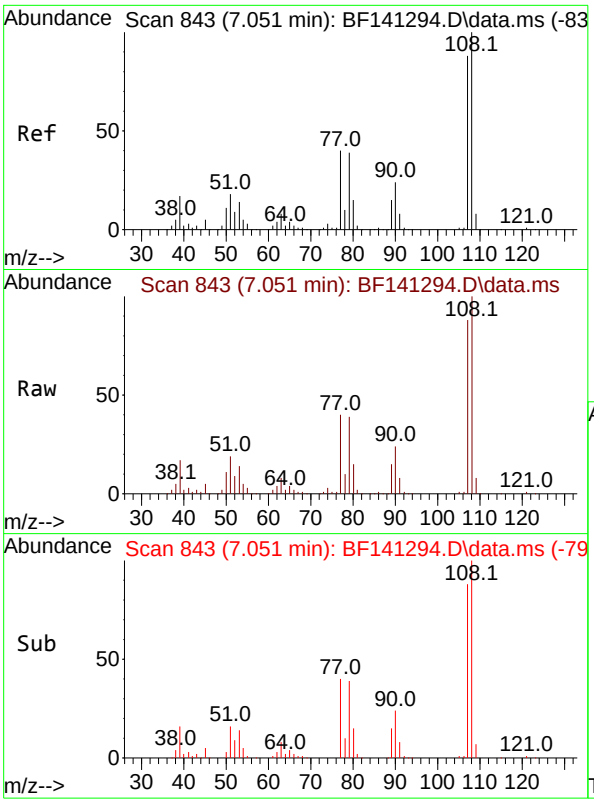


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.578 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



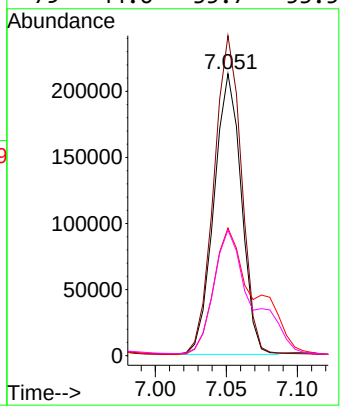


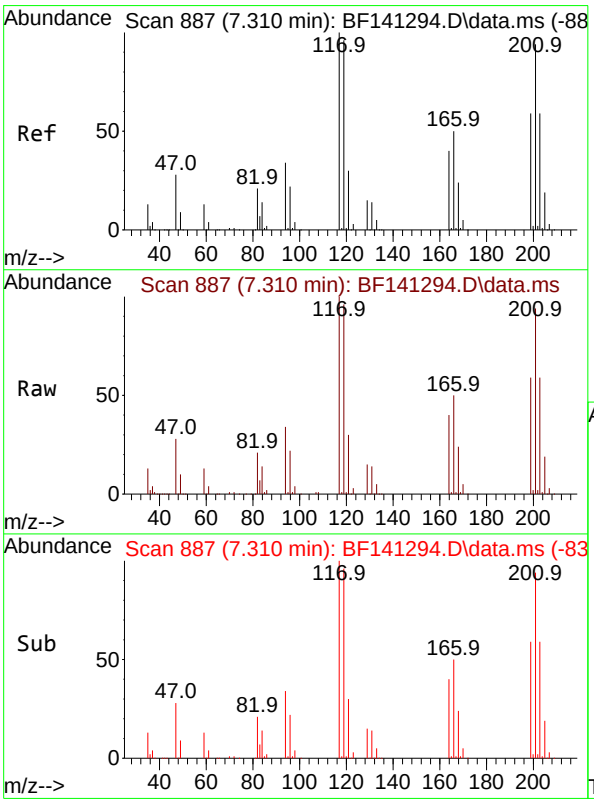
#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

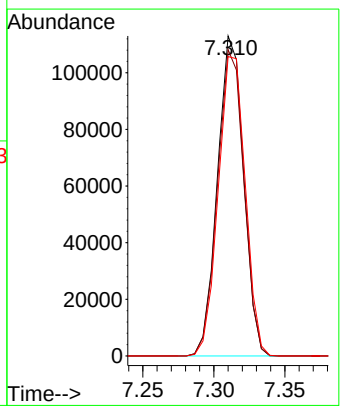


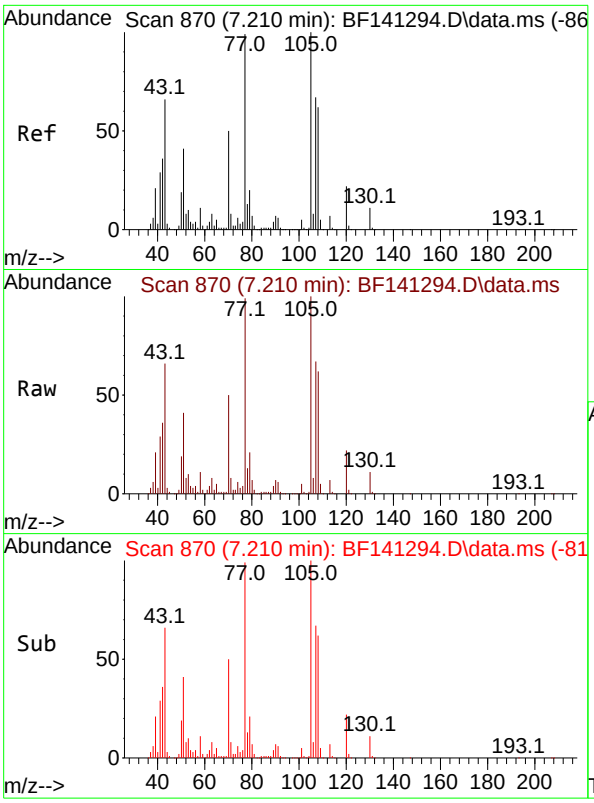


#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



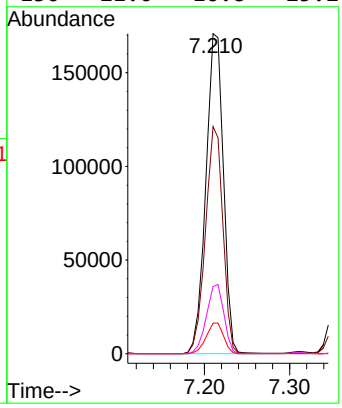


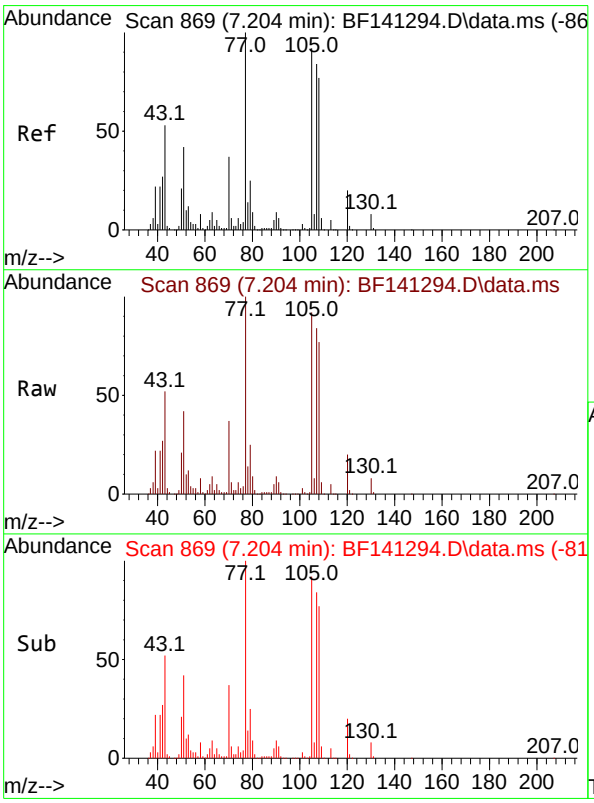
#19
n-Nitroso-di-n-propylamine
Concen: 36.524 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

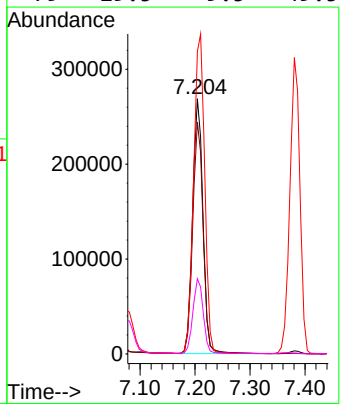


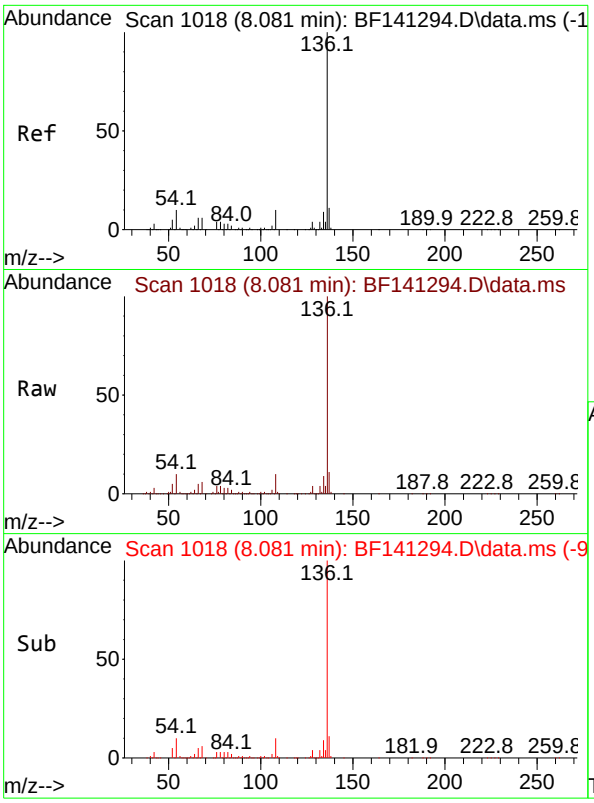


#20
3+4-Methylphenols
Concen: 37.222 ng
RT: 7.204 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



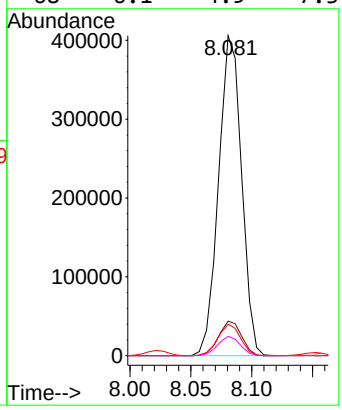


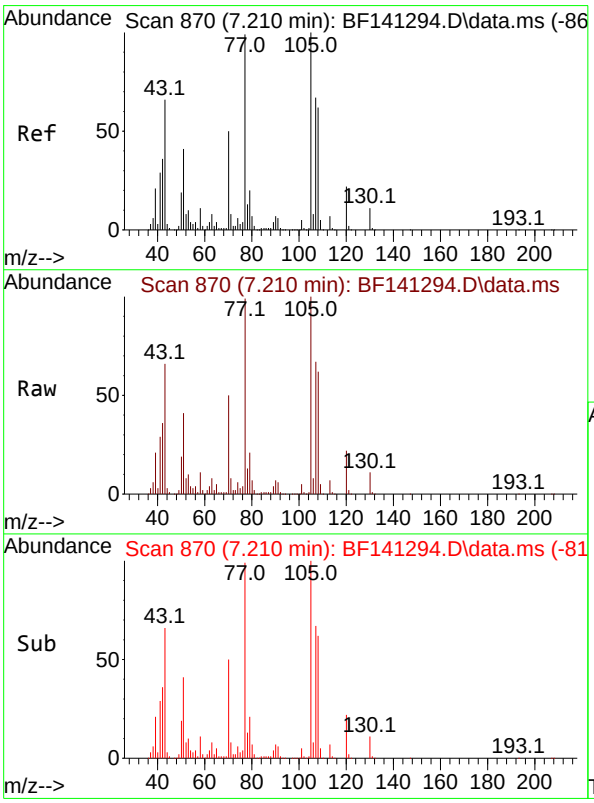
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

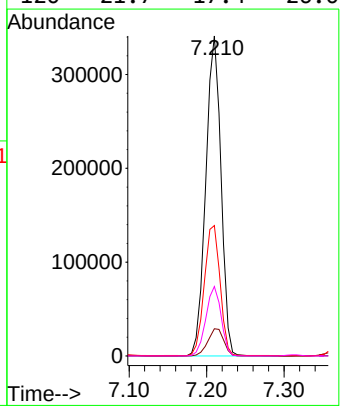


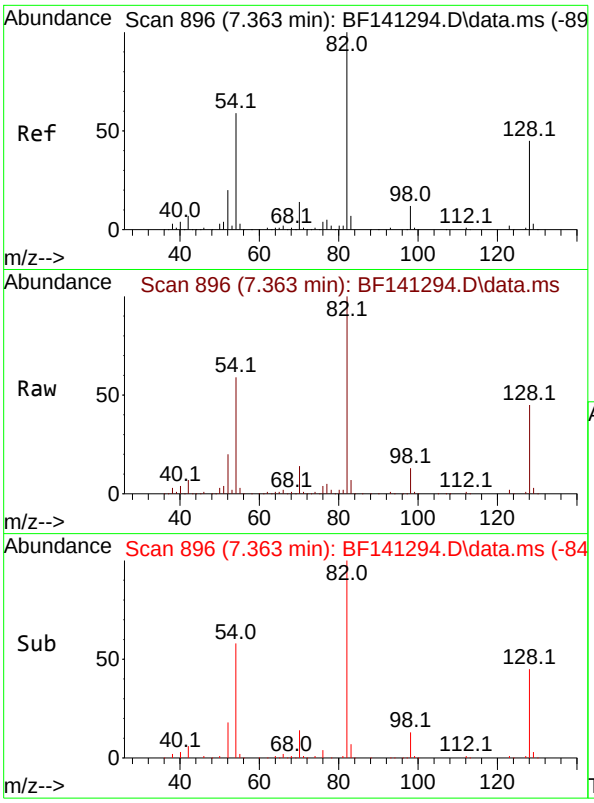


#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



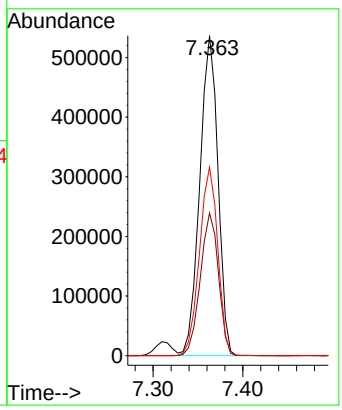


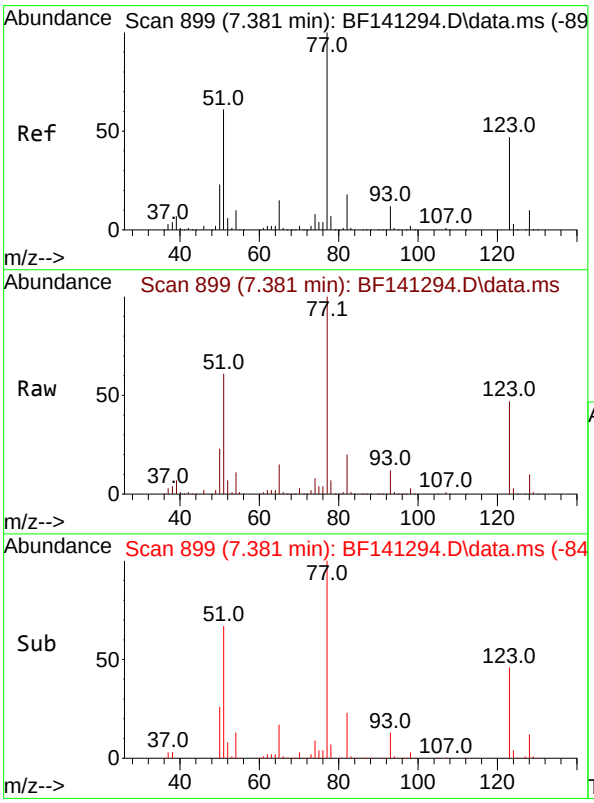
#23
Nitrobenzene-d5
Concen: 74.958 ng
RT: 7.363 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

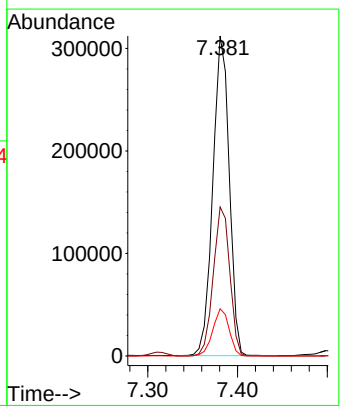


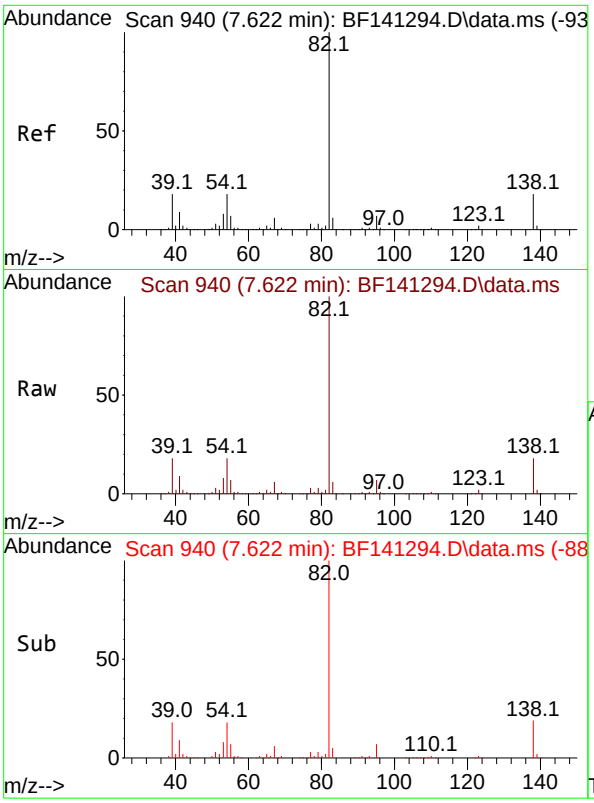


#24
Nitrobenzene
Concen: 37.893 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



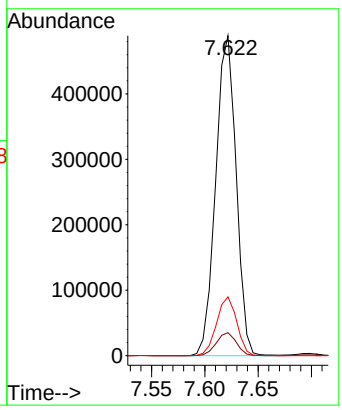


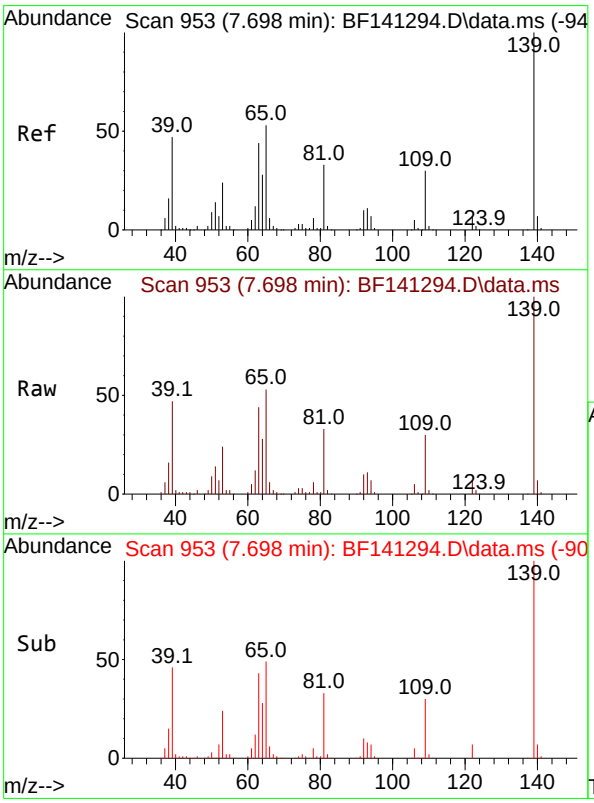
#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

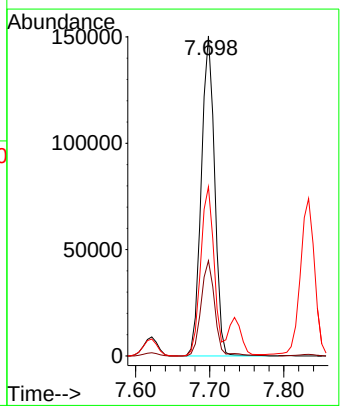


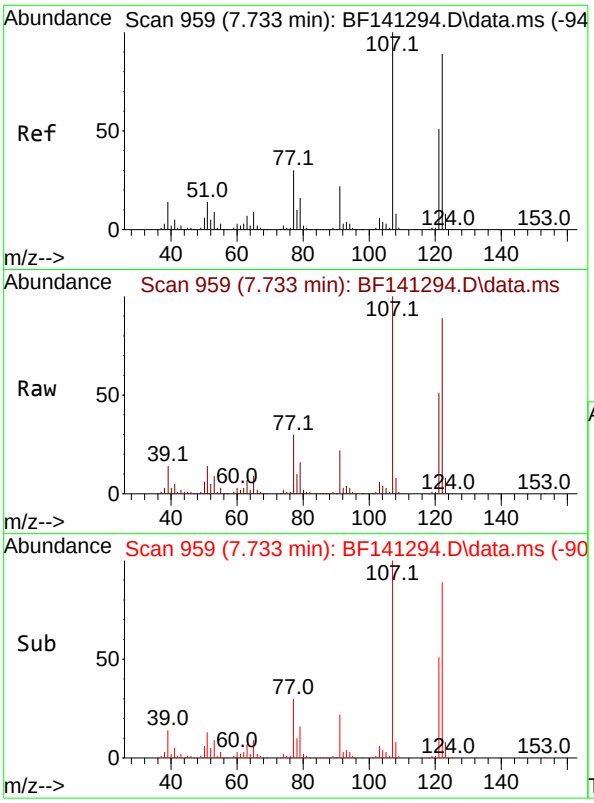


#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



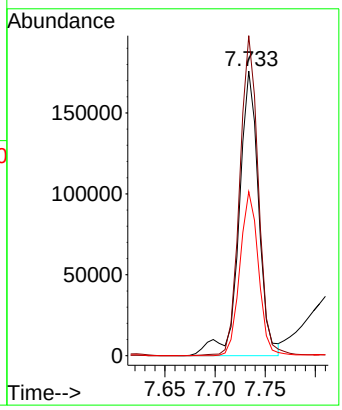


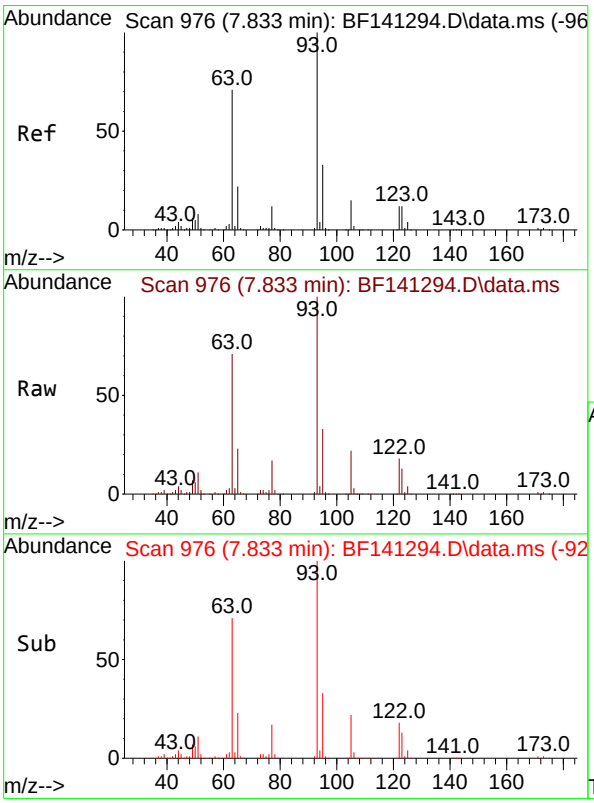
#27
2,4-Dimethylphenol
Concen: 38.255 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

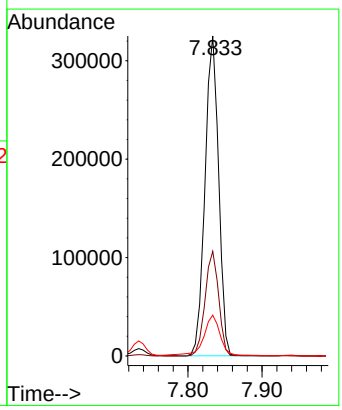


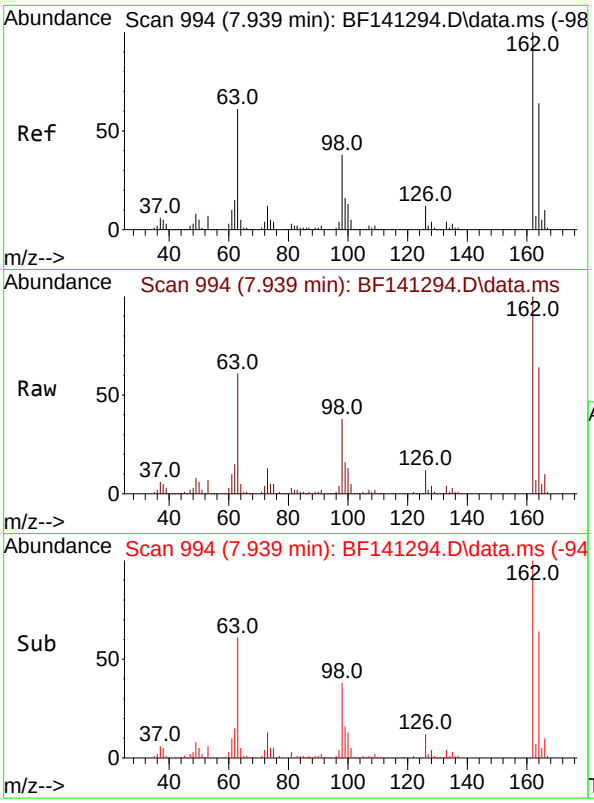


#28
bis(2-Chloroethoxy)methane
Concen: 37.367 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



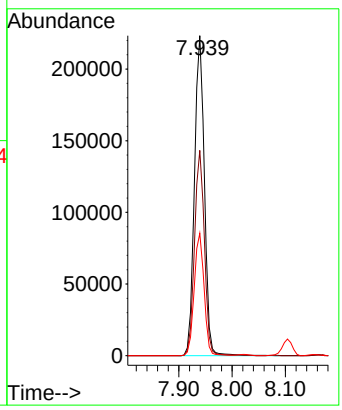


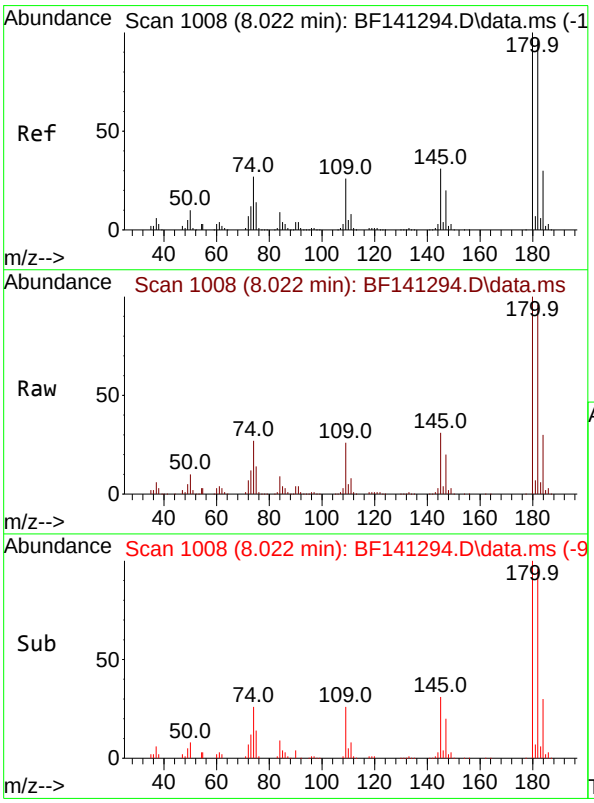
#29
2,4-Dichlorophenol
Concen: 37.768 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

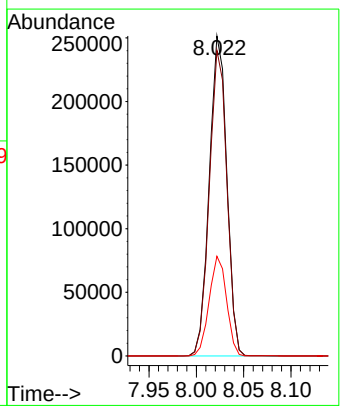


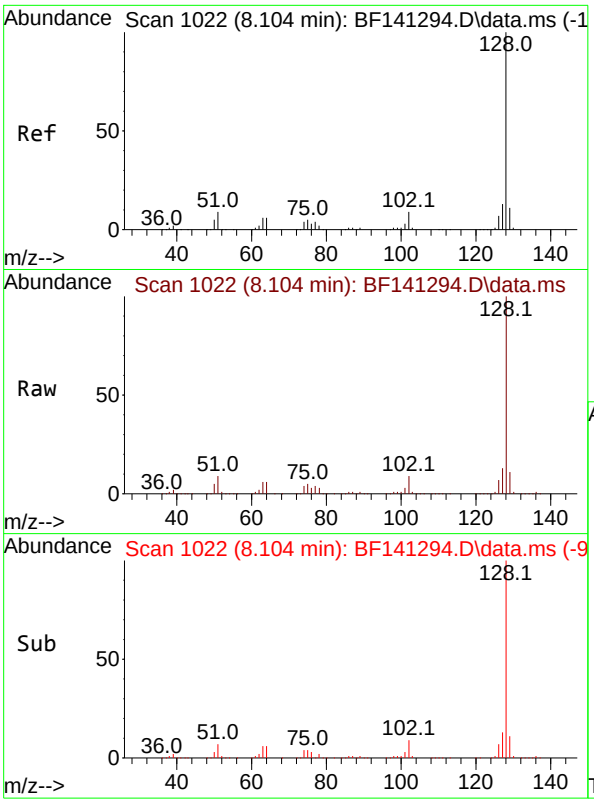


#30
1,2,4-Trichlorobenzene
Concen: 36.932 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



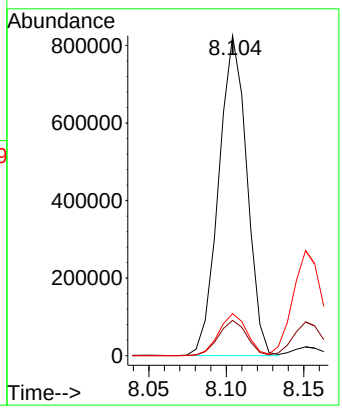


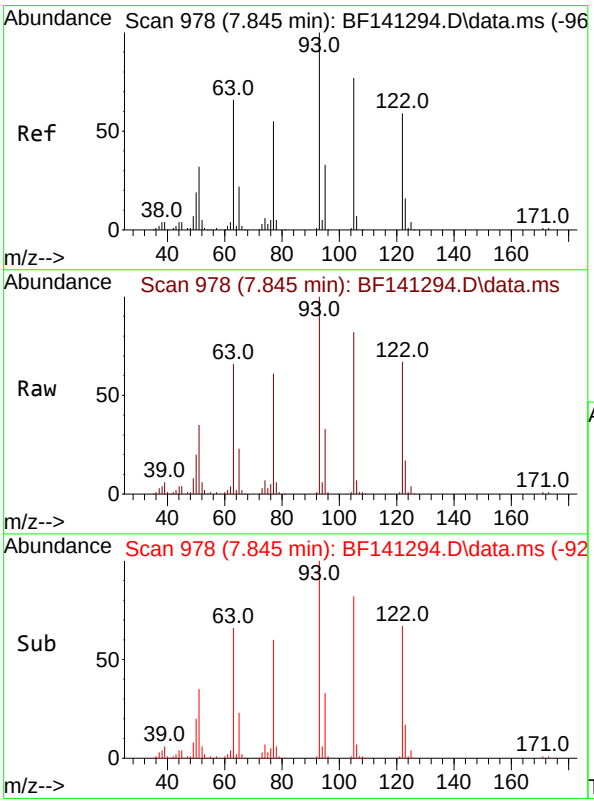
#31
Naphthalene
Concen: 37.116 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

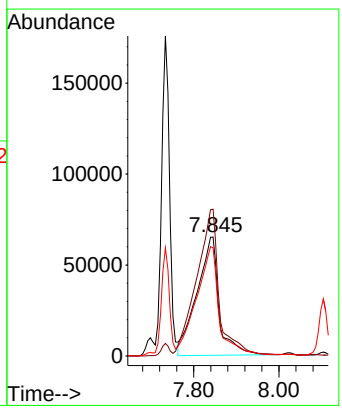


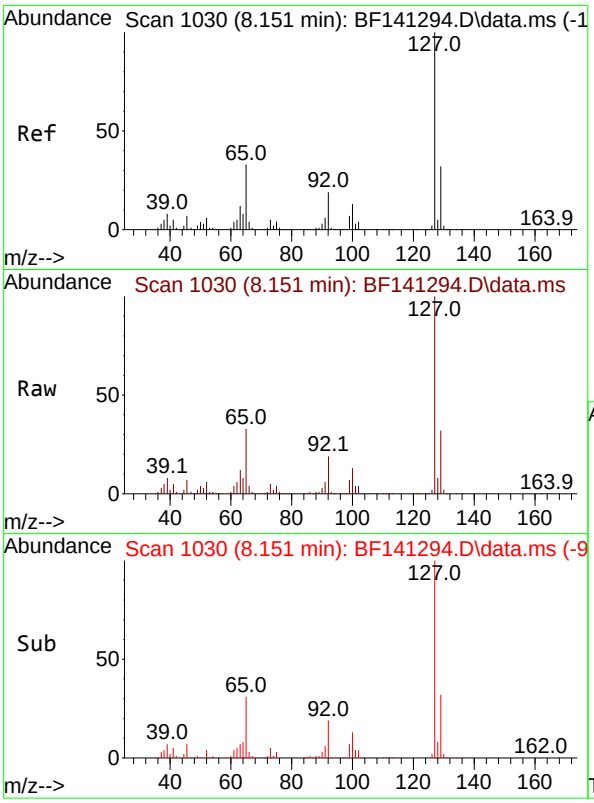


#32
Benzoic acid
Concen: 41.459 ng
RT: 7.845 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



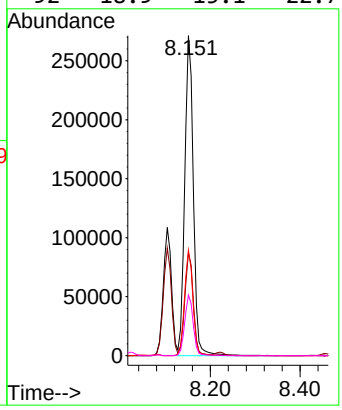


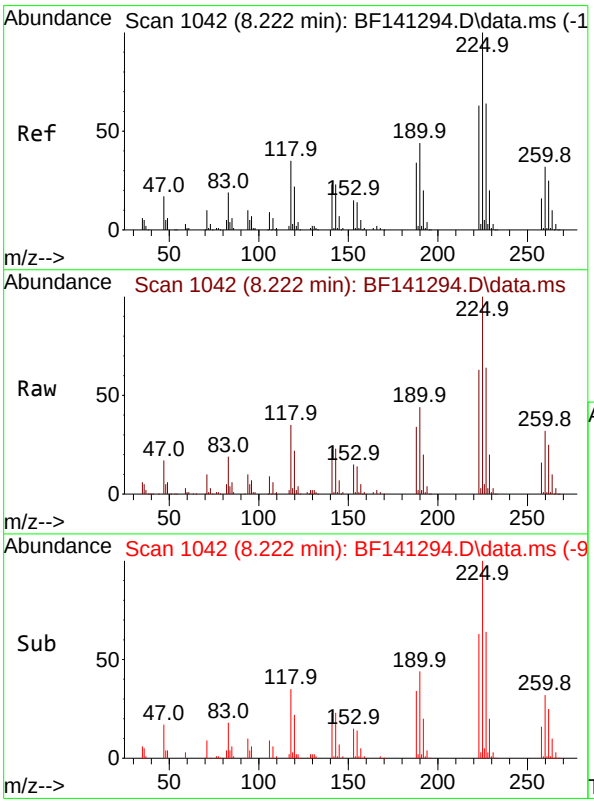
#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

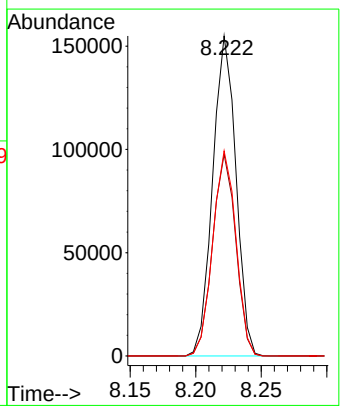


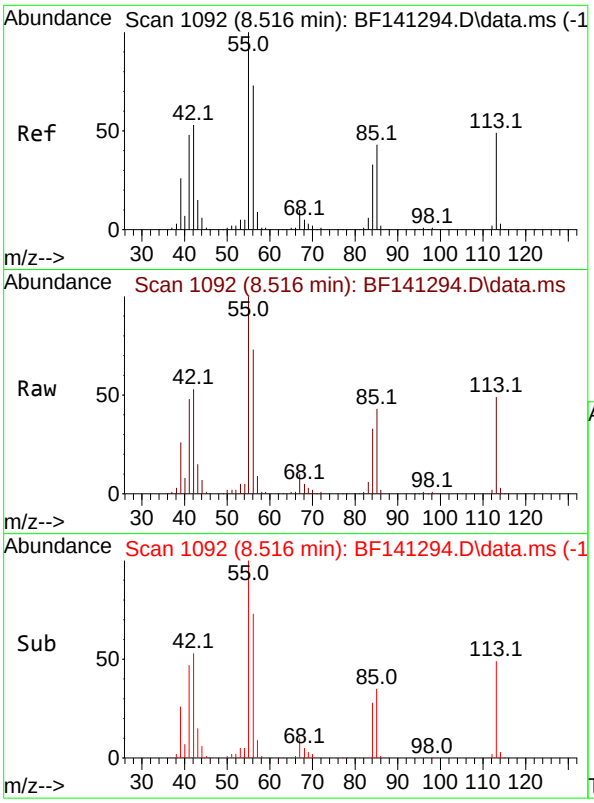


#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



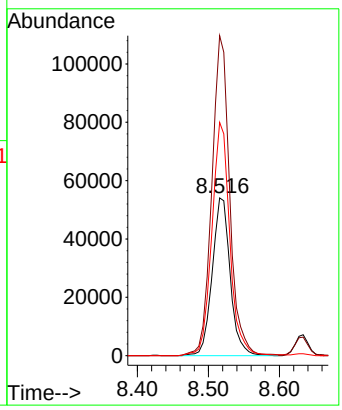


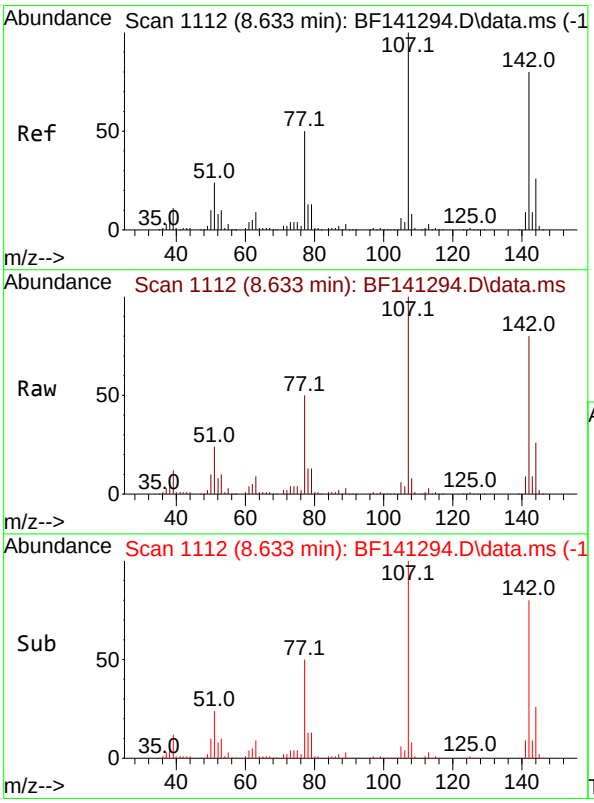
#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

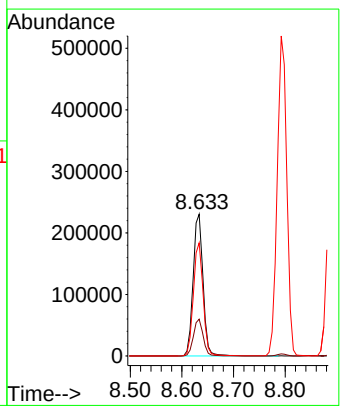


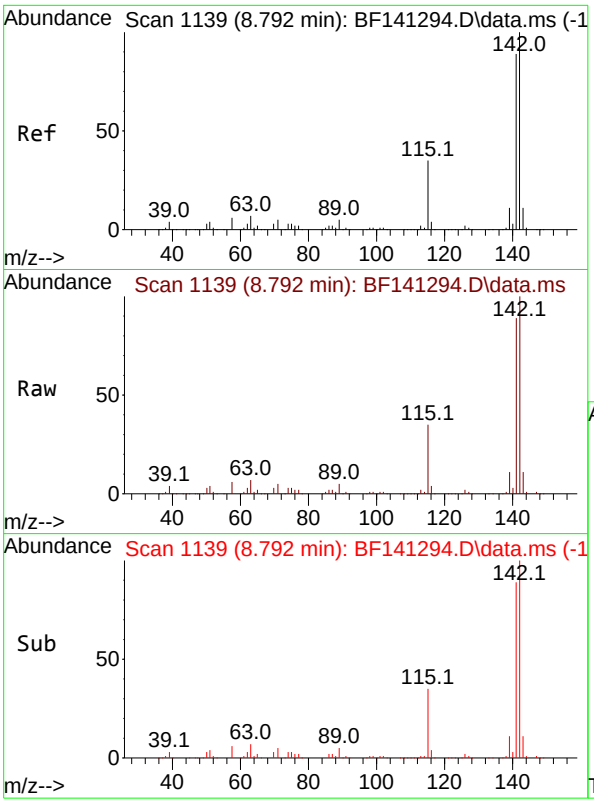


#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



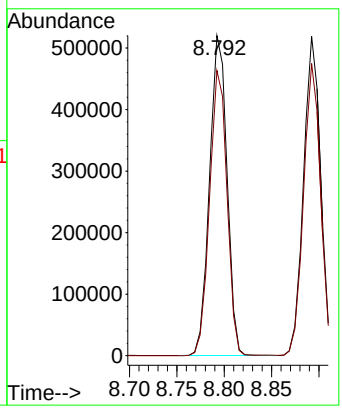


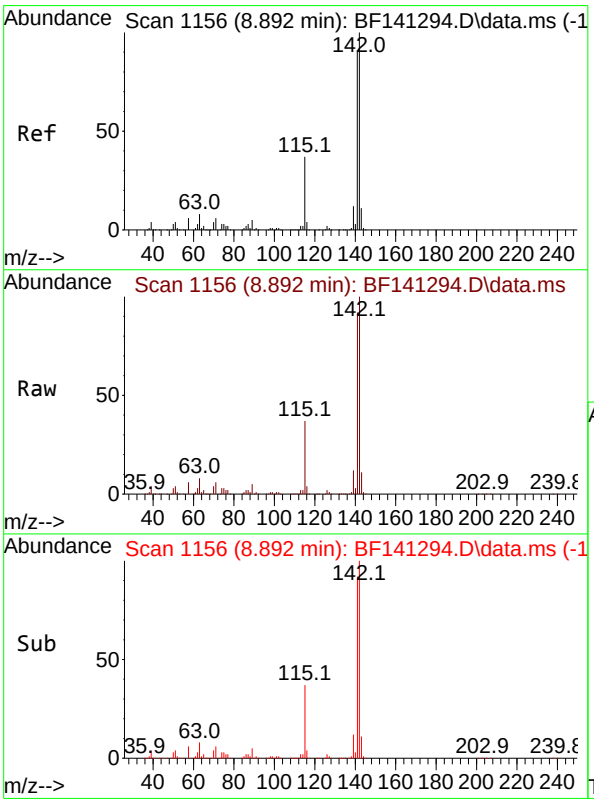
#37
2-Methylnaphthalene
Concen: 37.286 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

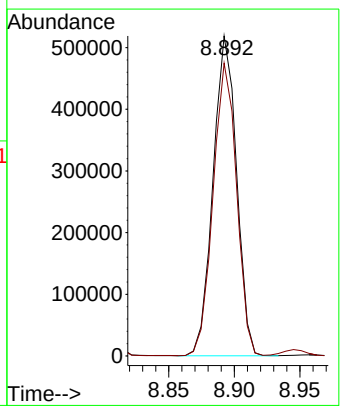


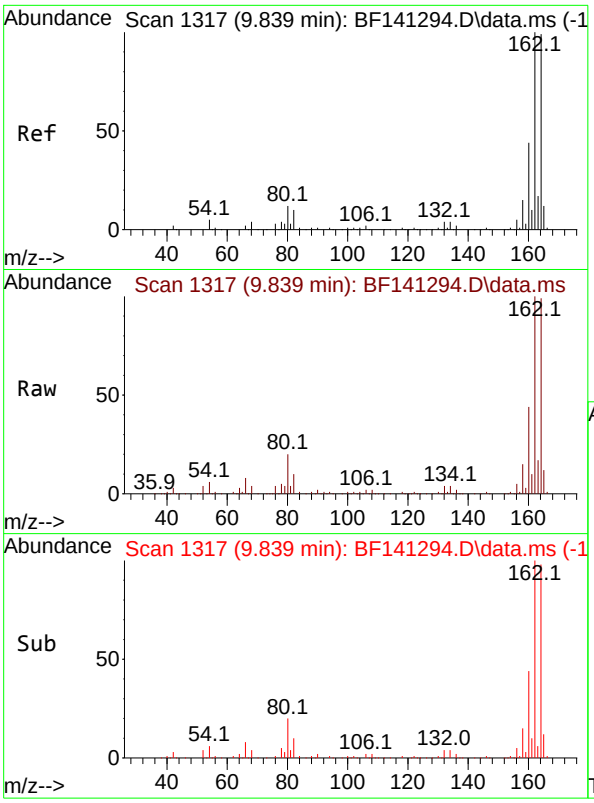


#38
1-Methylnaphthalene
Concen: 36.938 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:142 Resp: 646346

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8



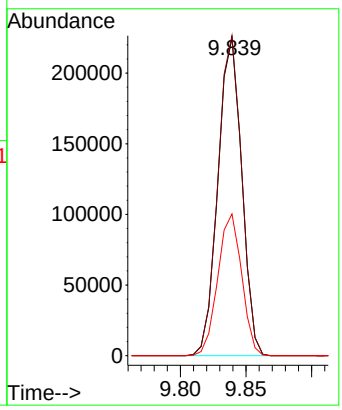


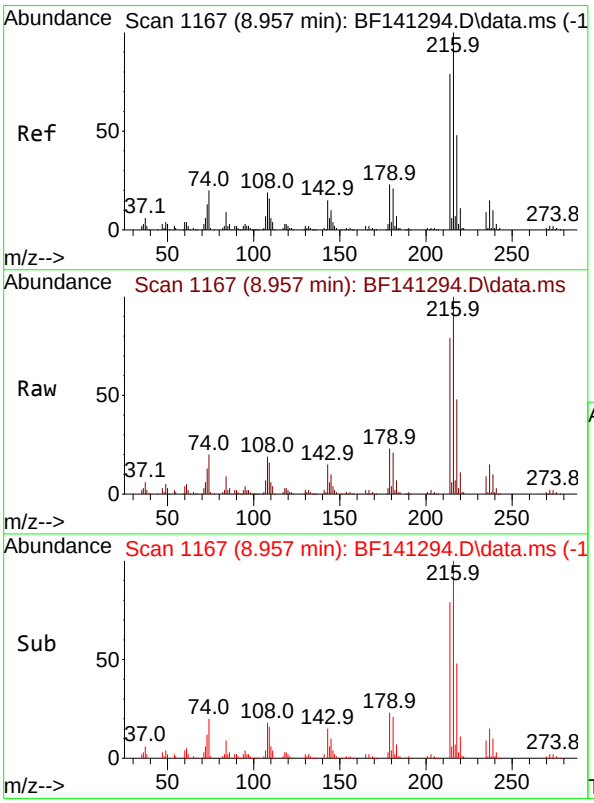
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

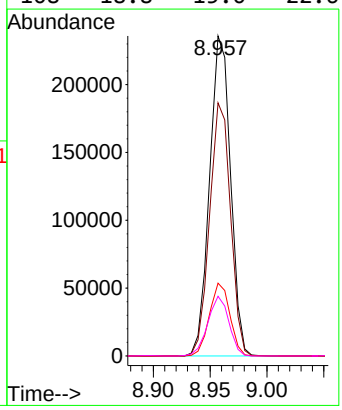


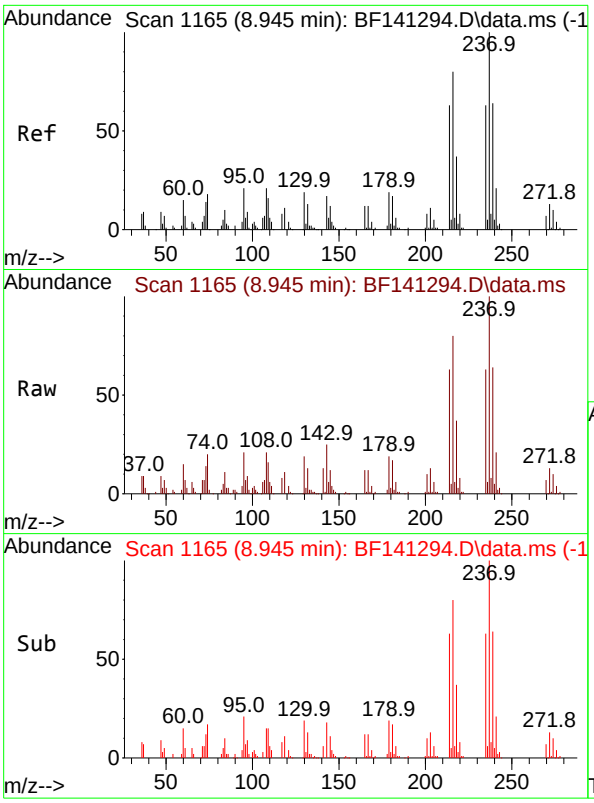


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.591 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



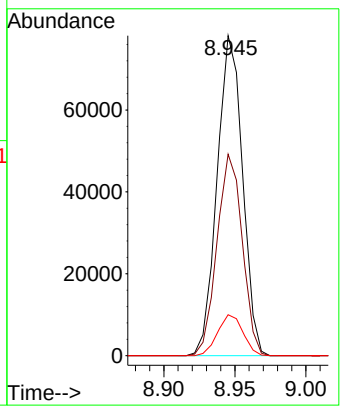


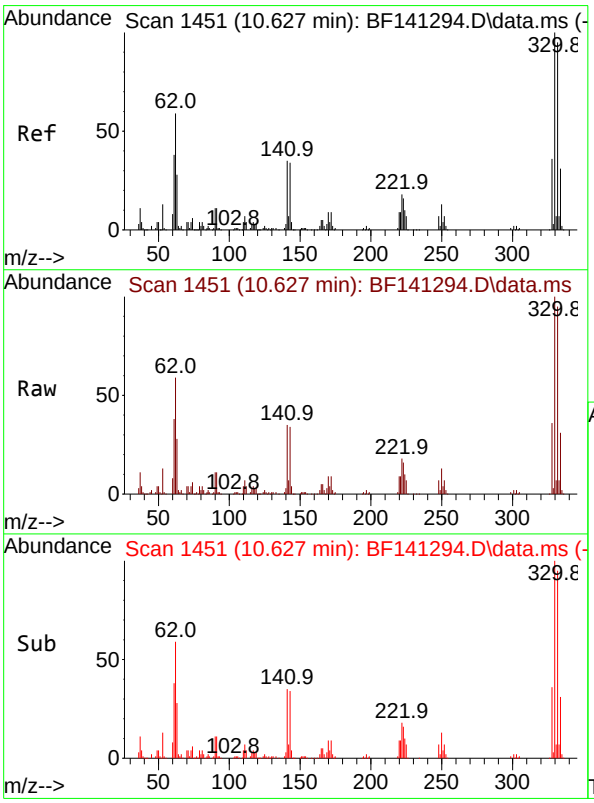
#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

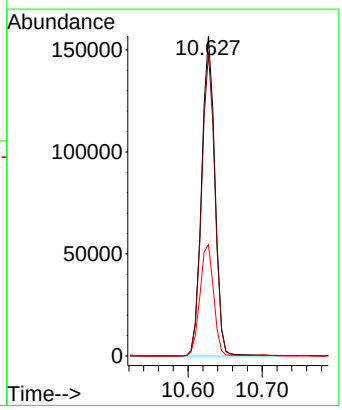


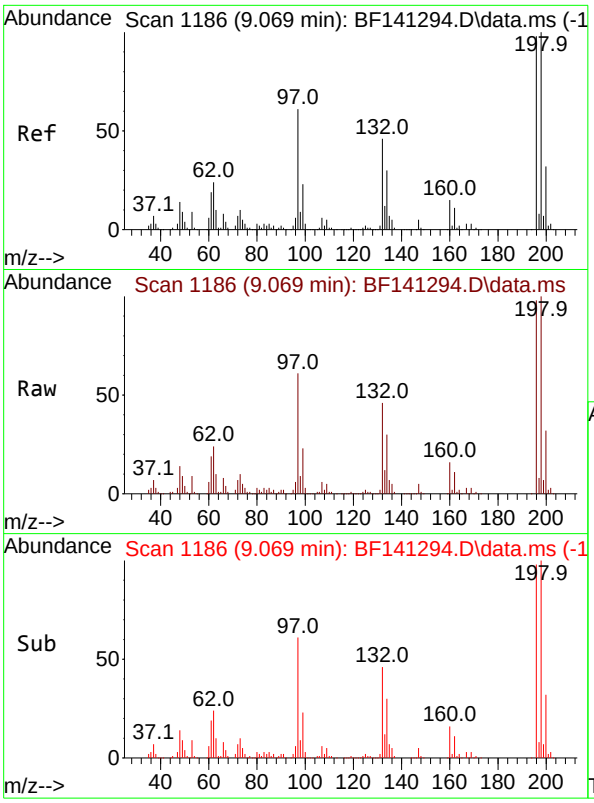


#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



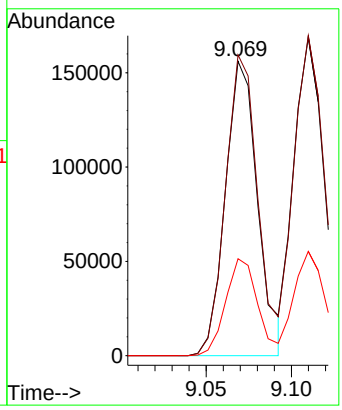


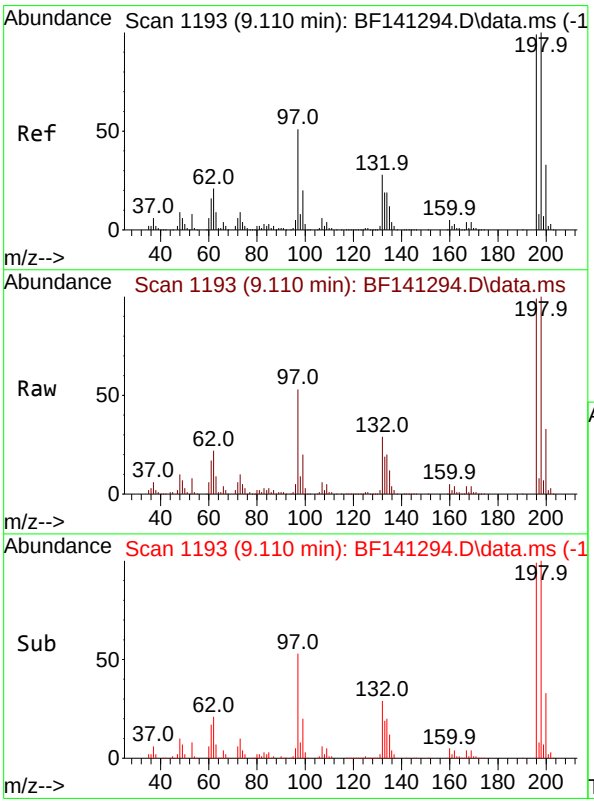
#43
2,4,6-Trichlorophenol
Concen: 39.181 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

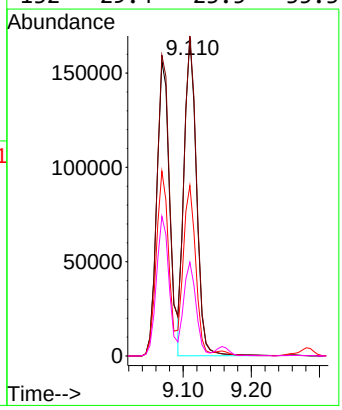


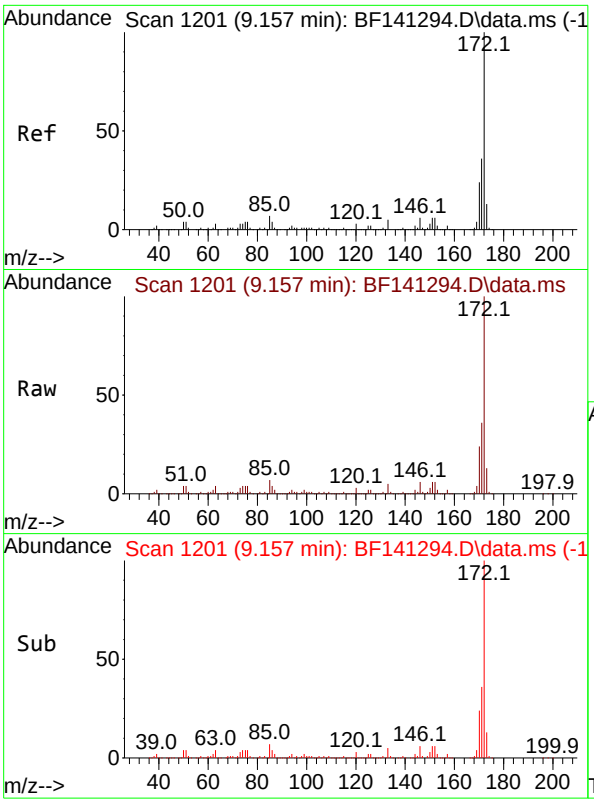


#44
2,4,5-Trichlorophenol
Concen: 37.346 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



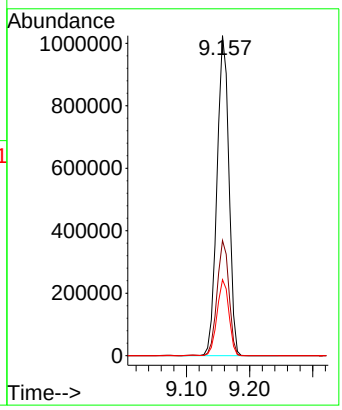


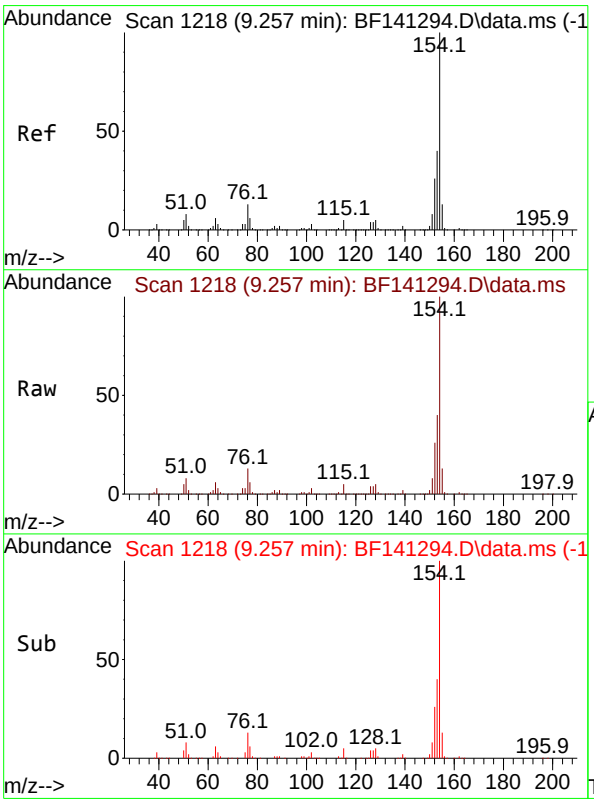
#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

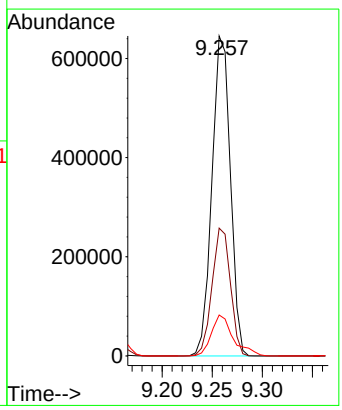


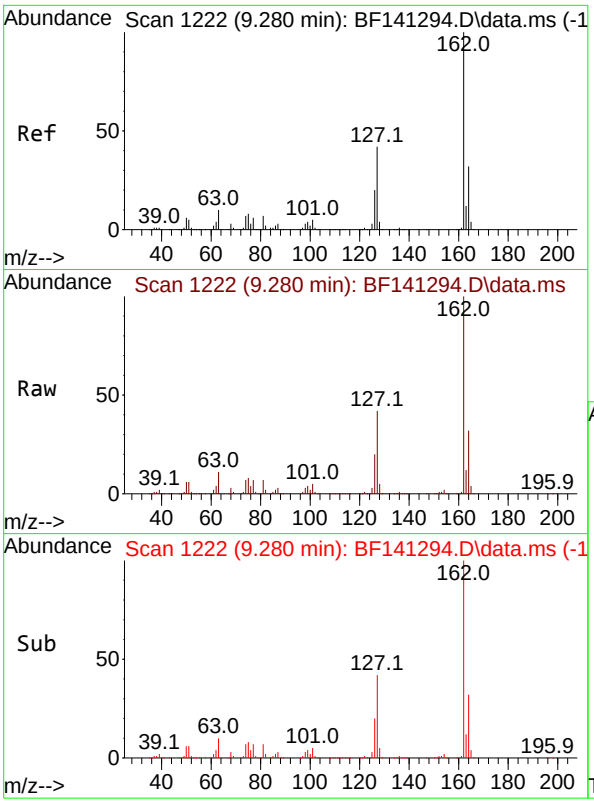


#46
1,1'-Biphenyl
Concen: 37.278 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



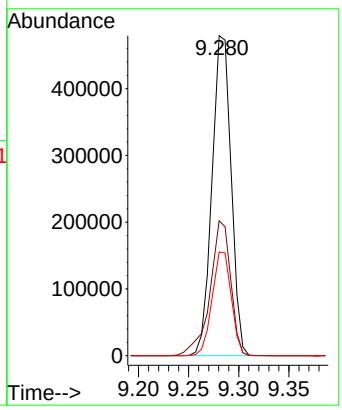


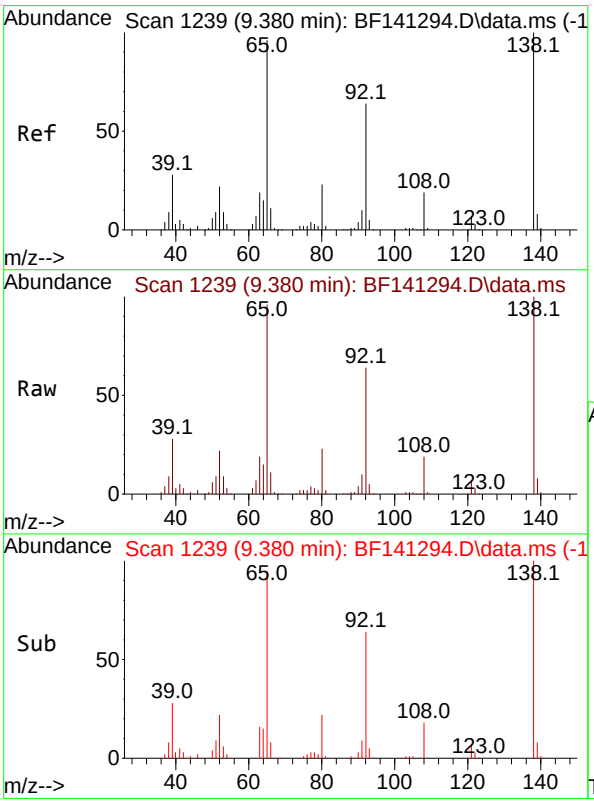
#47
2-Chloronaphthalene
Concen: 37.020 ng
RT: 9.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

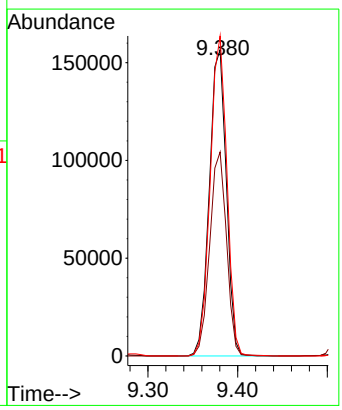


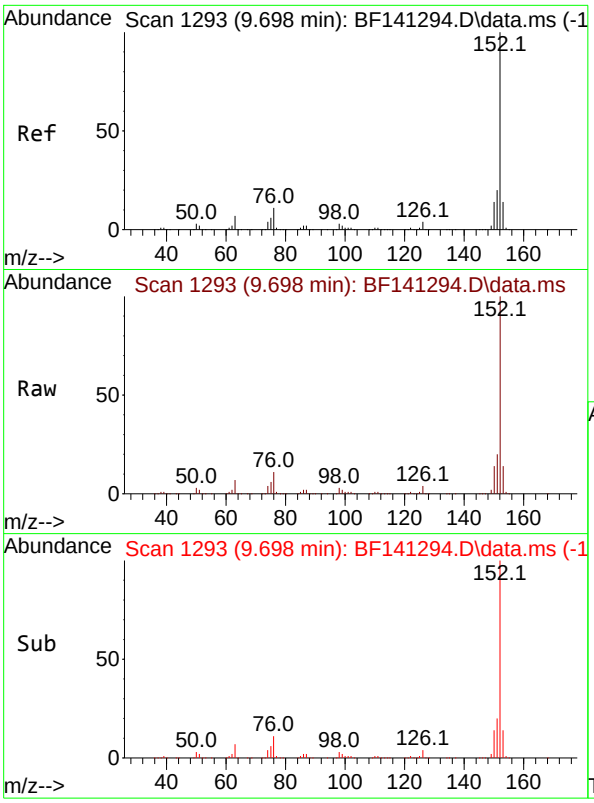


#48
2-Nitroaniline
Concen: 38.089 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



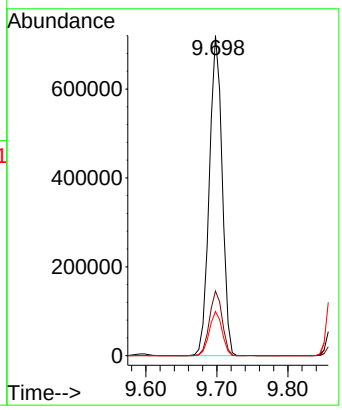


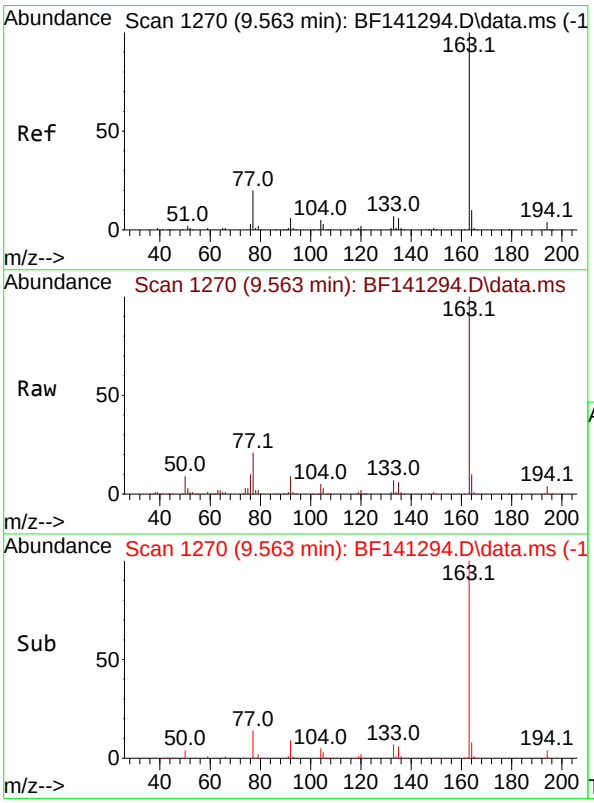
#49
Acenaphthylene
Concen: 37.483 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

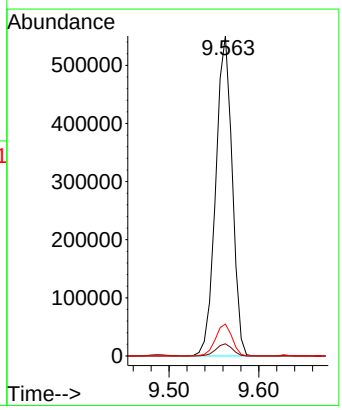


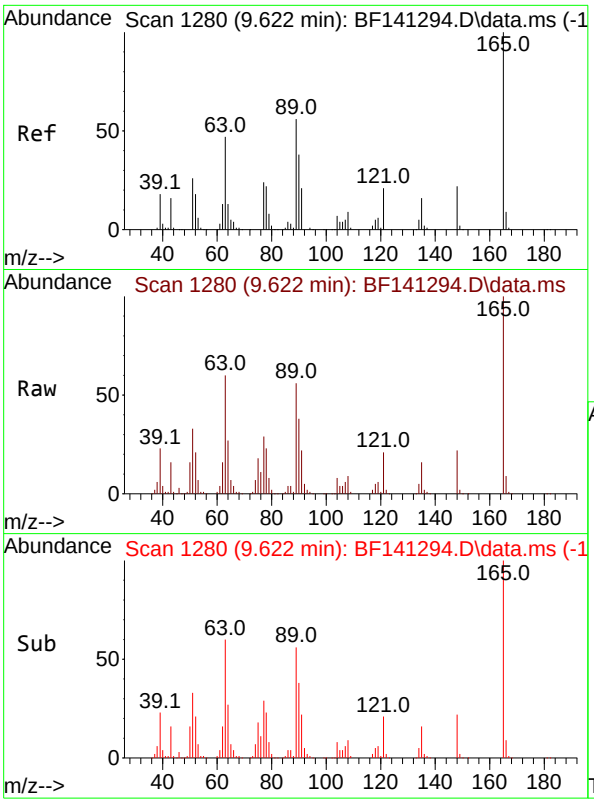


#50
Dimethylphthalate
Concen: 36.945 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



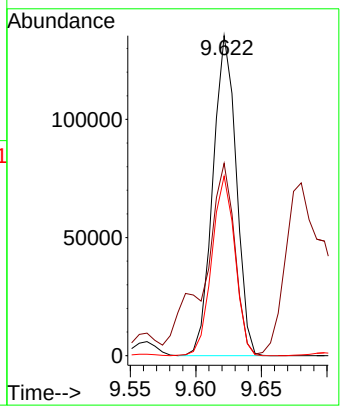


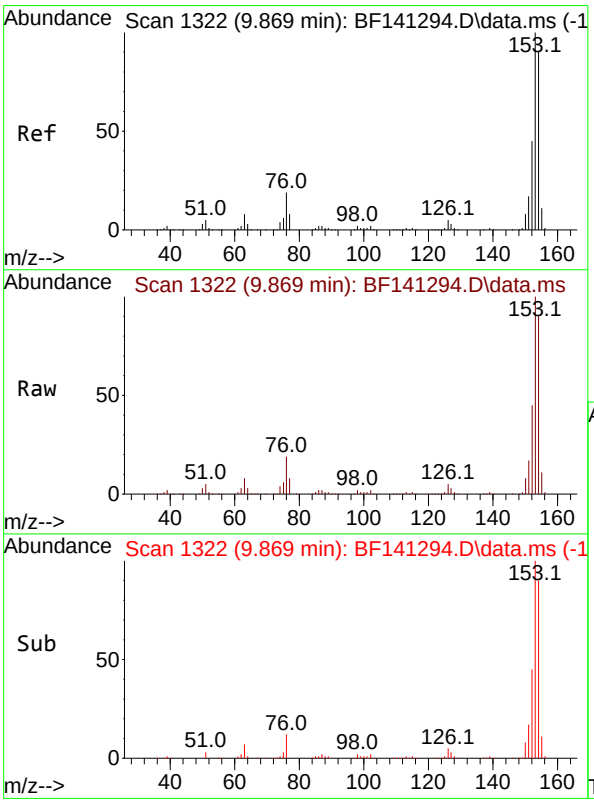
#51
2,6-Dinitrotoluene
Concen: 37.909 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

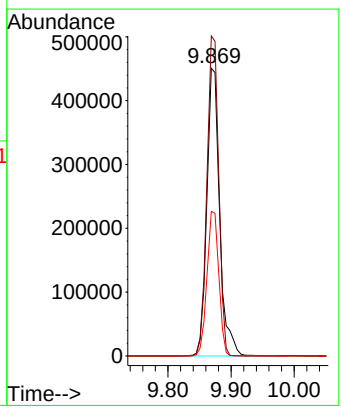


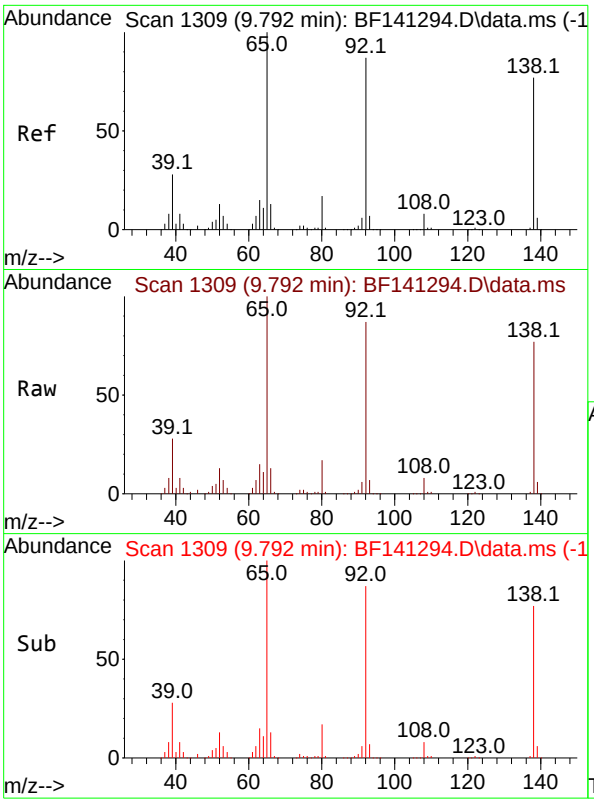


#52
Acenaphthene
Concen: 37.266 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



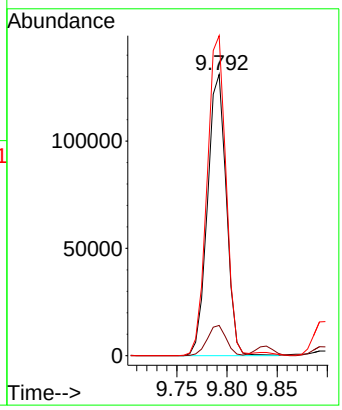


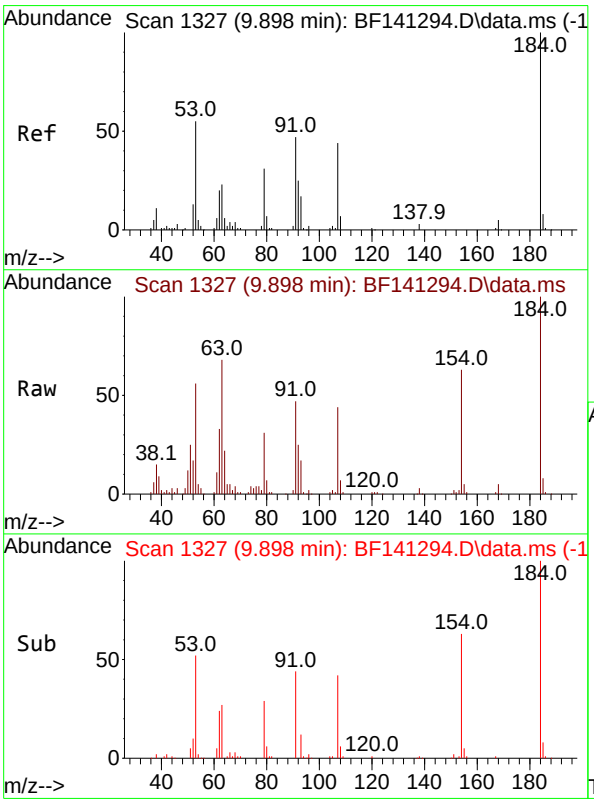
#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

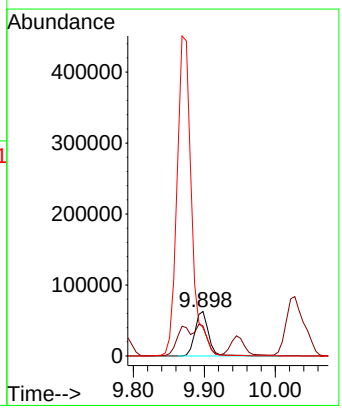


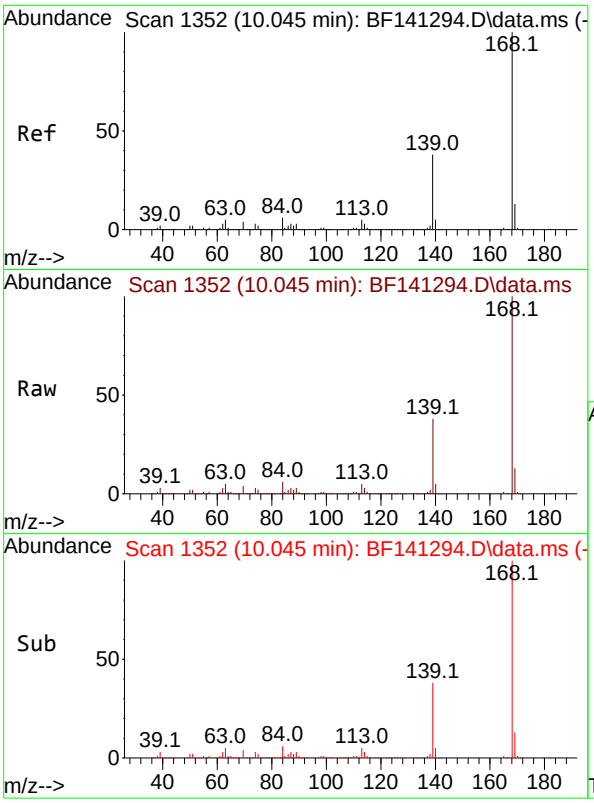


#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



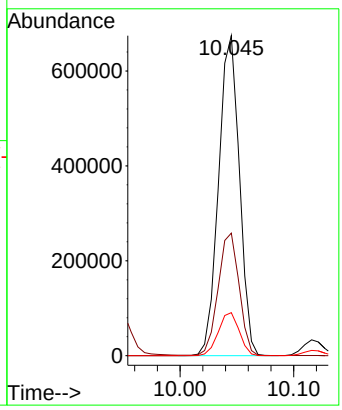


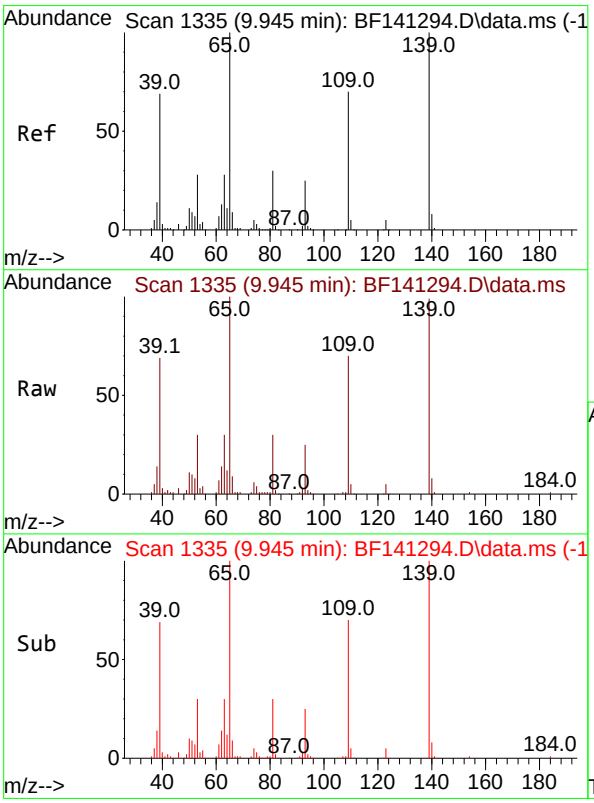
#55
Dibenzofuran
Concen: 37.490 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

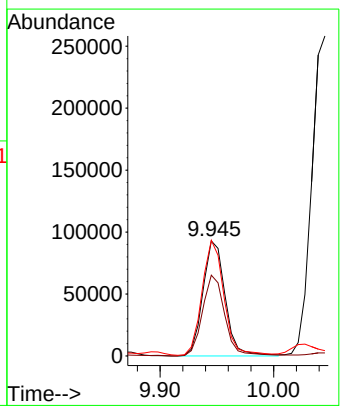


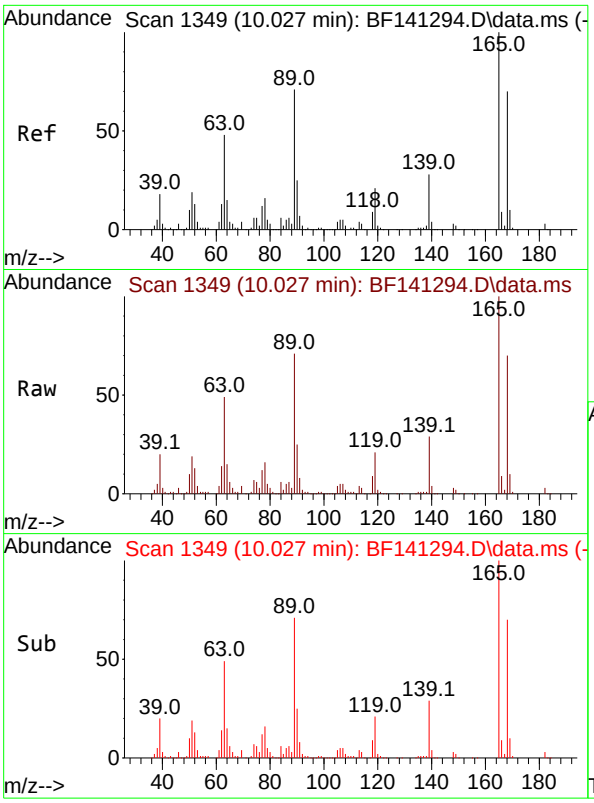


#56
4-Nitrophenol
Concen: 40.349 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



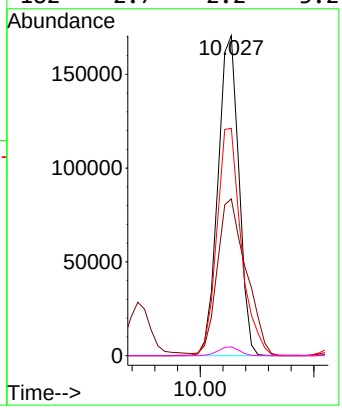


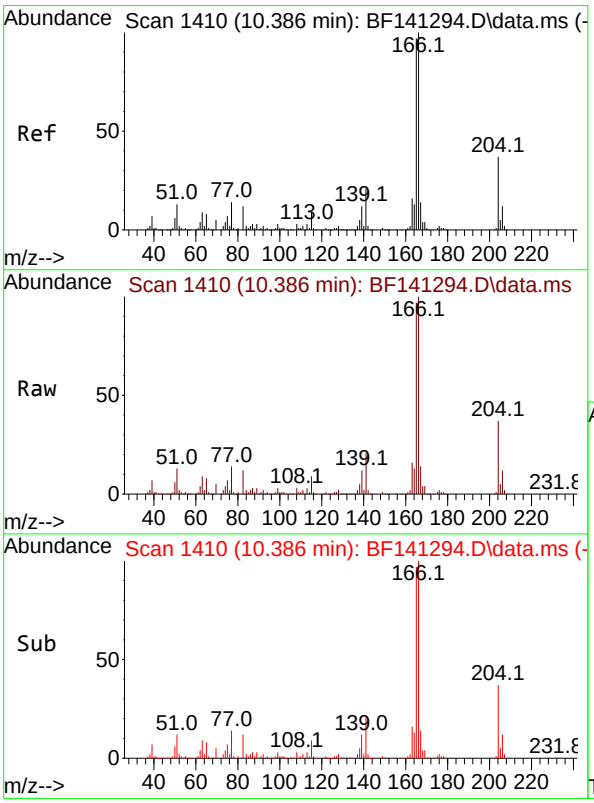
#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

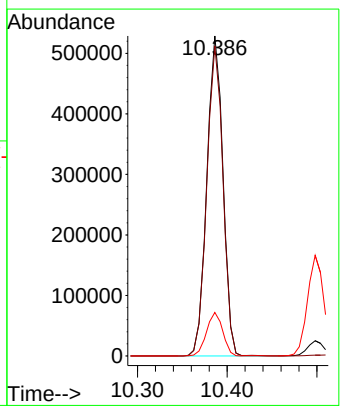


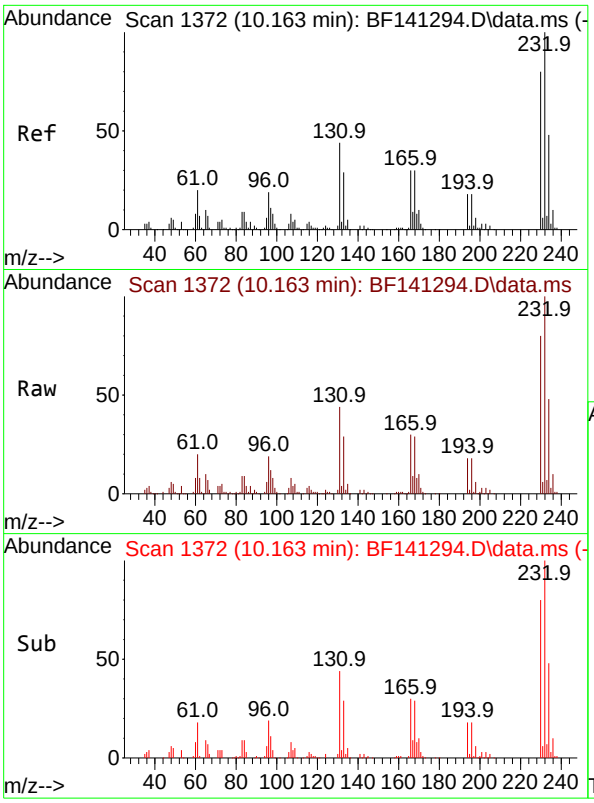


#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



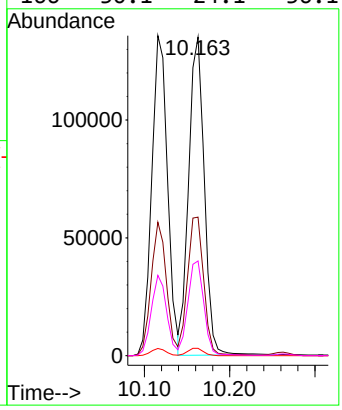


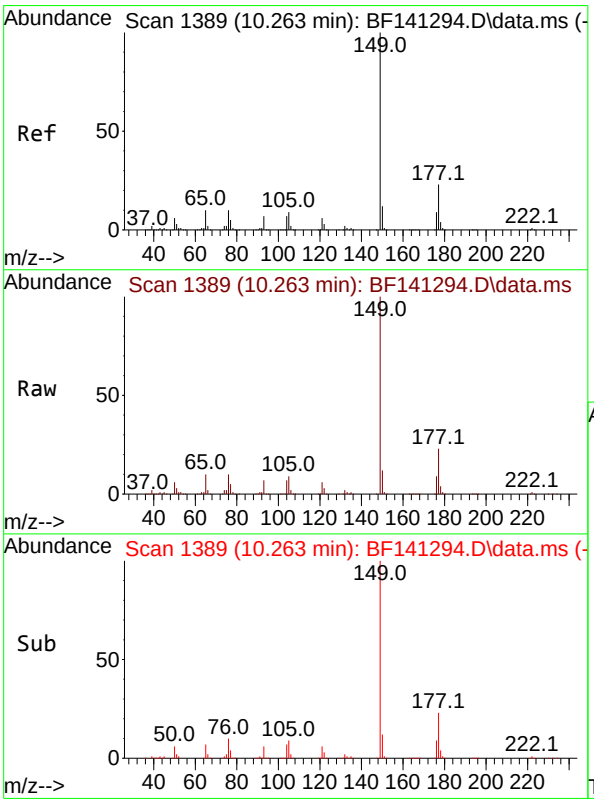
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

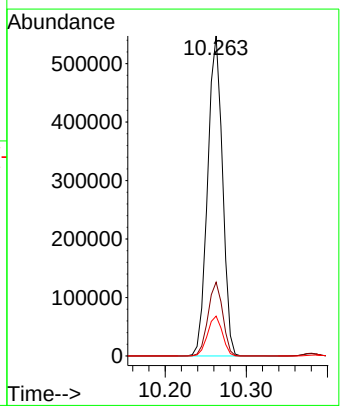


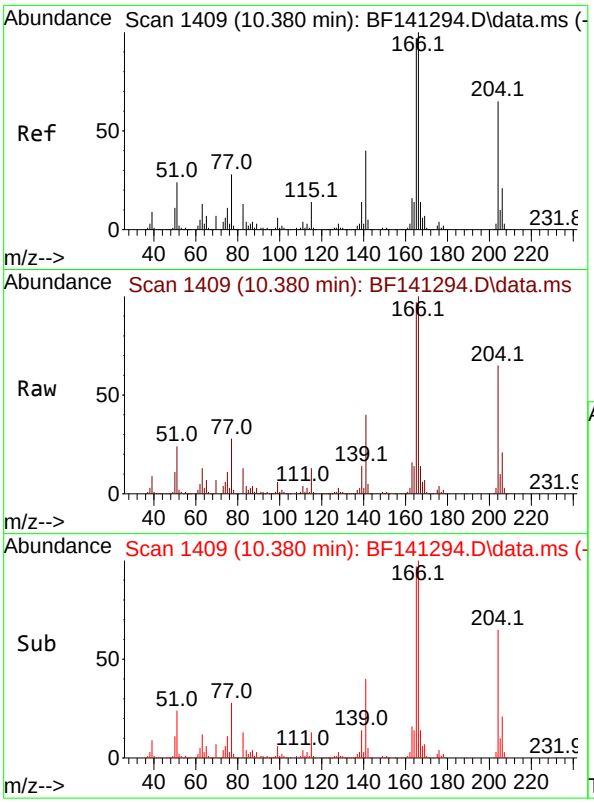


#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



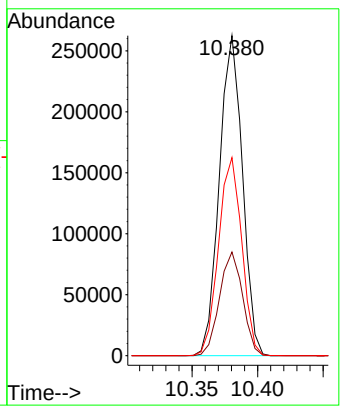


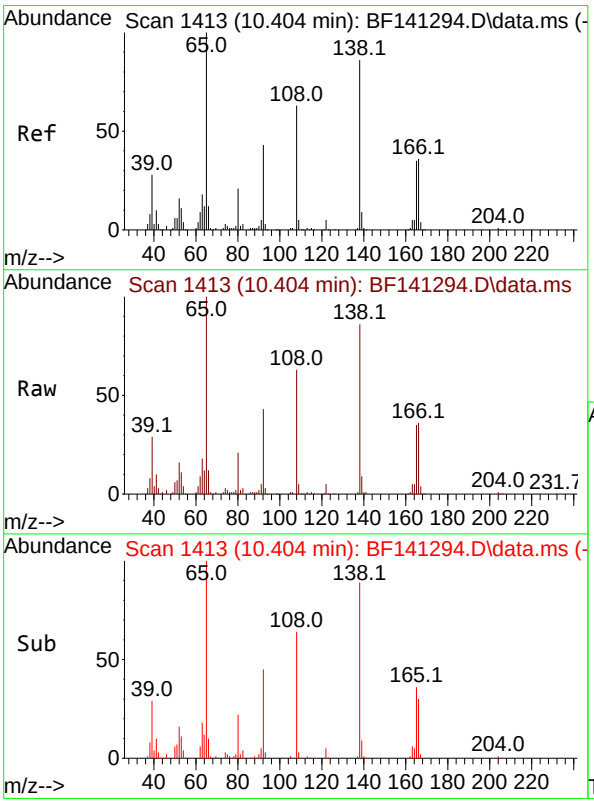
#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

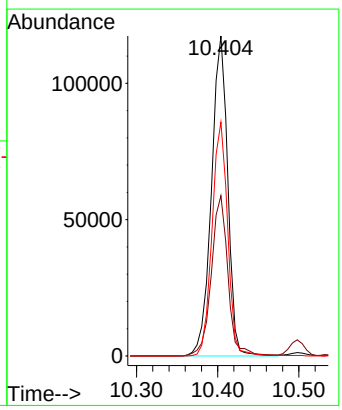


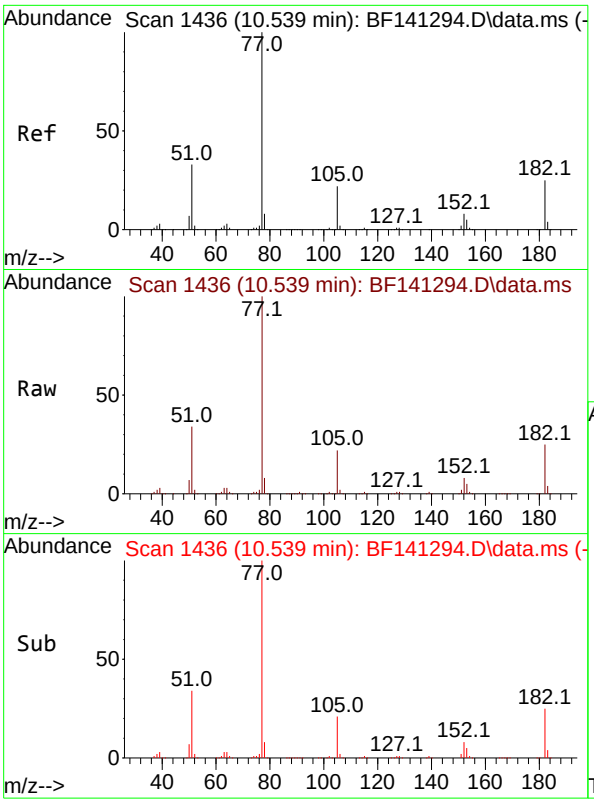


#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



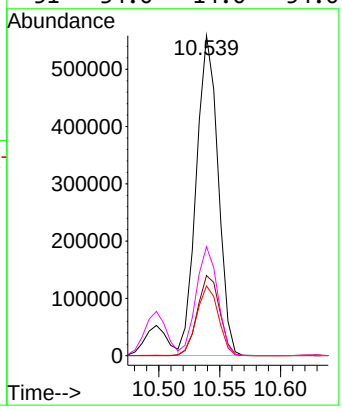


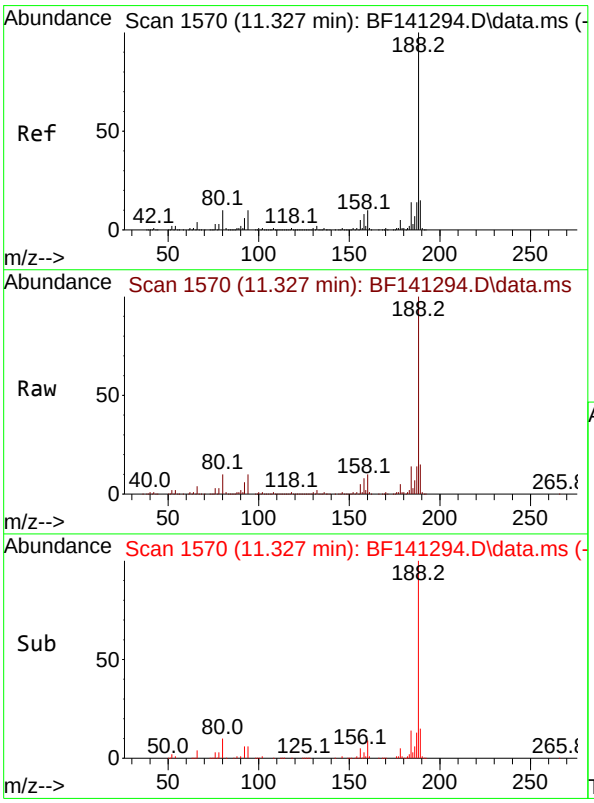
#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

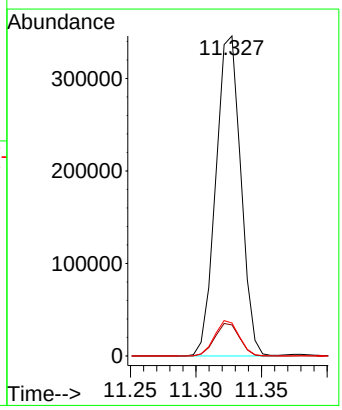


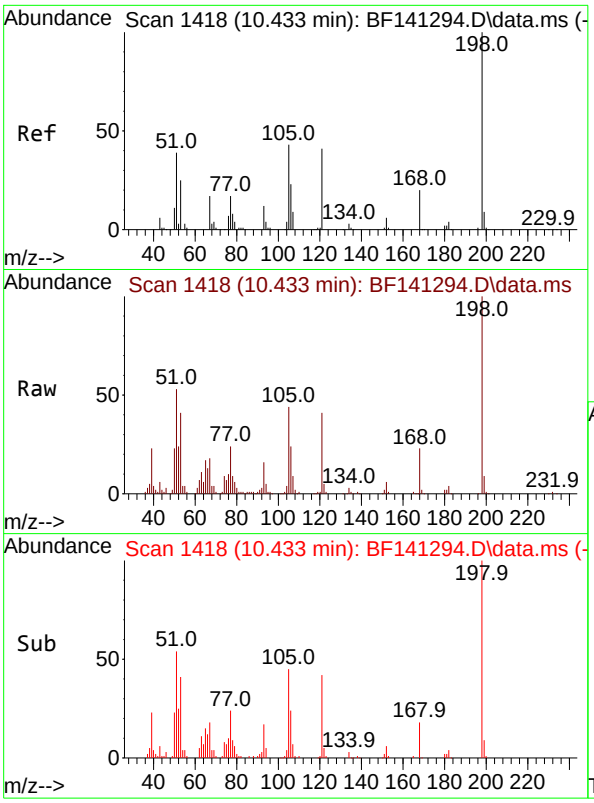


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



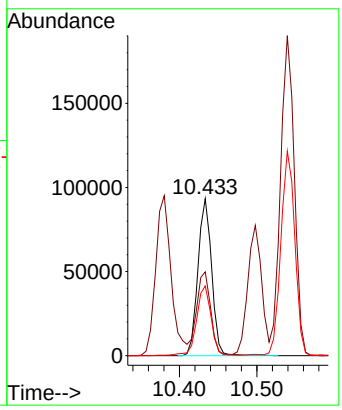


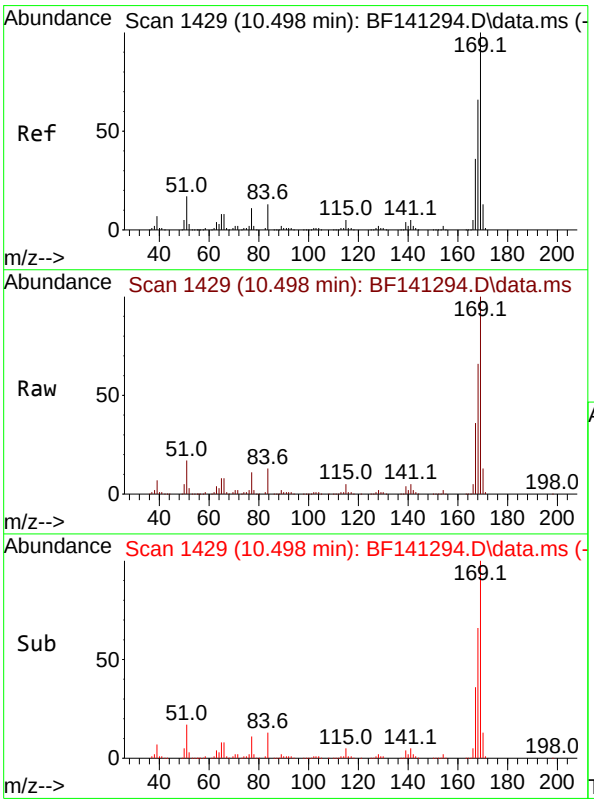
#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

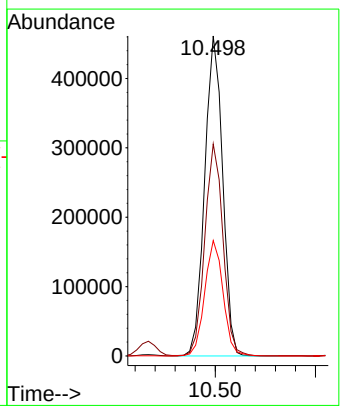


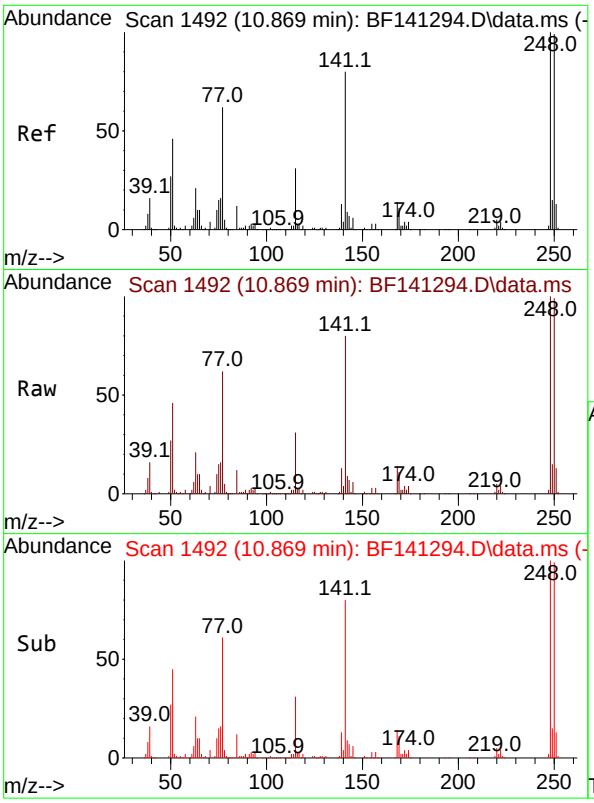


#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



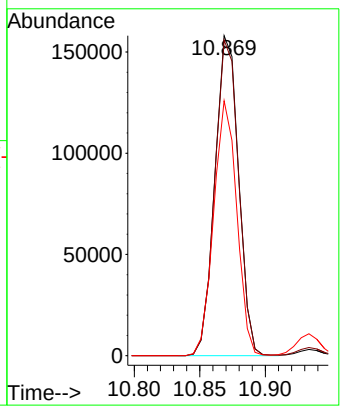


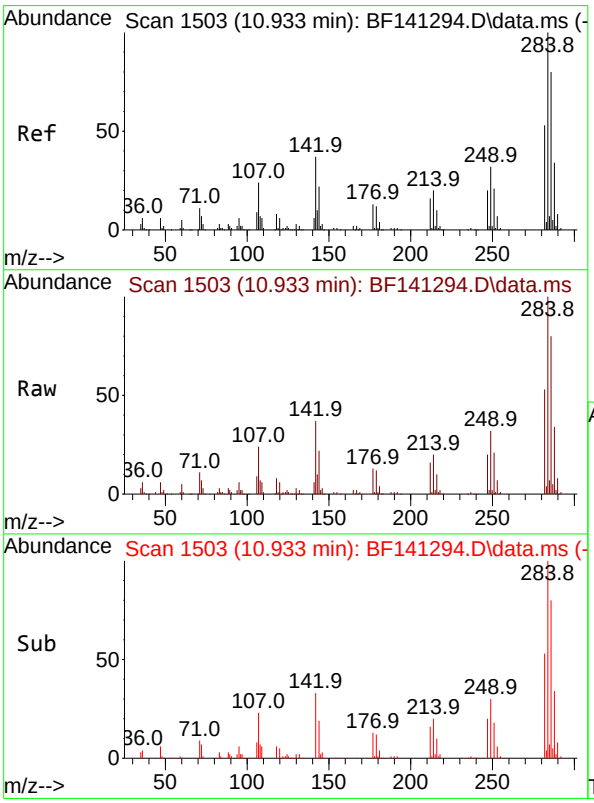
#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

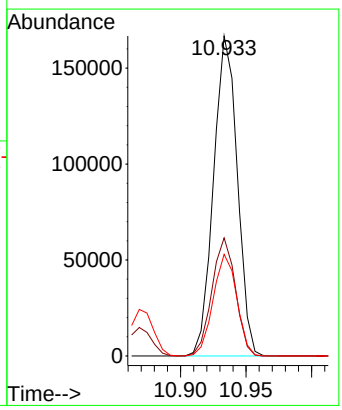


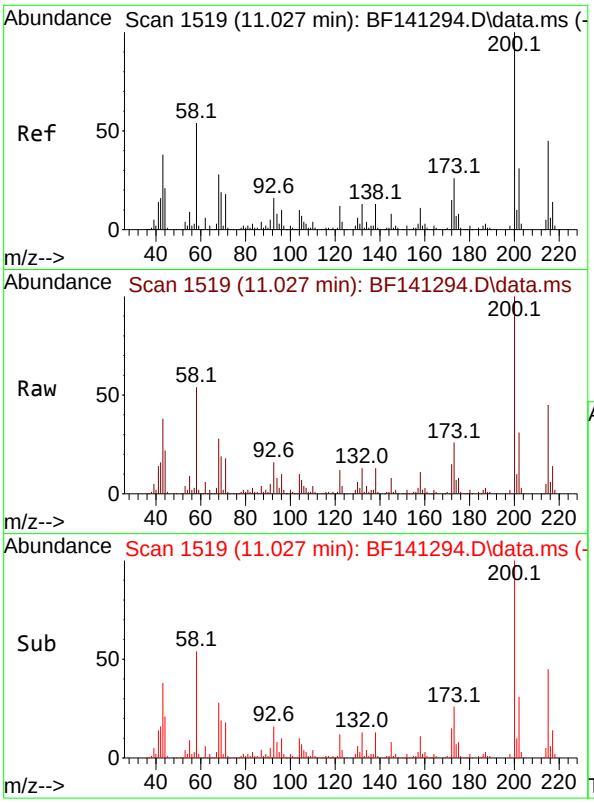


#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



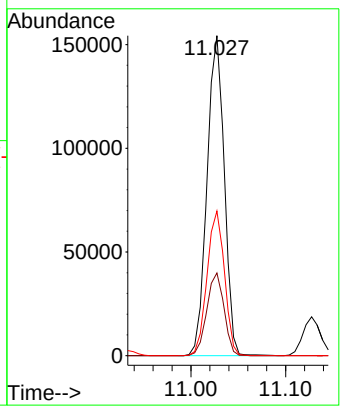


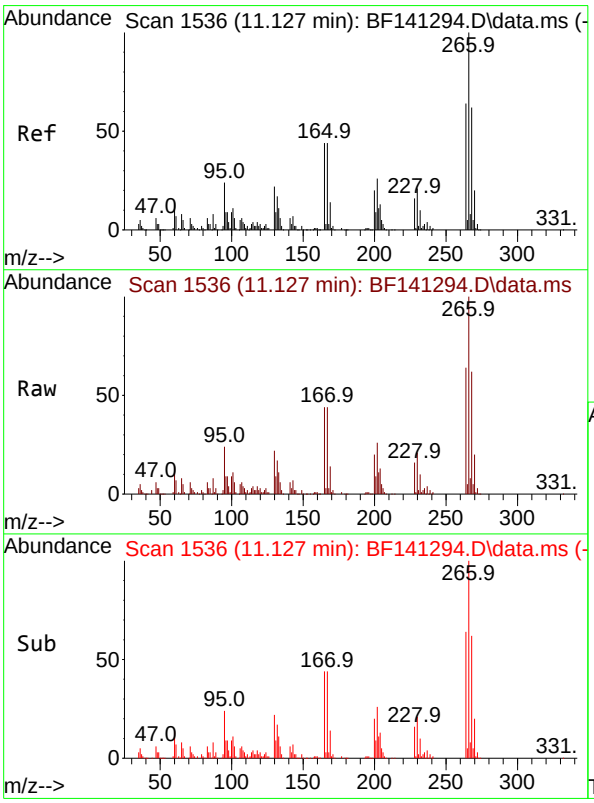
#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

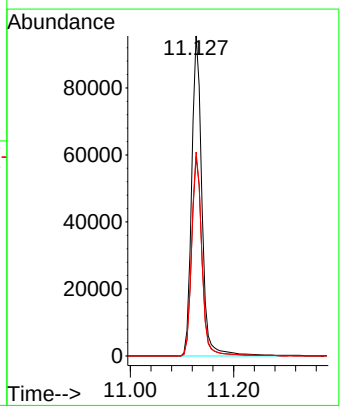


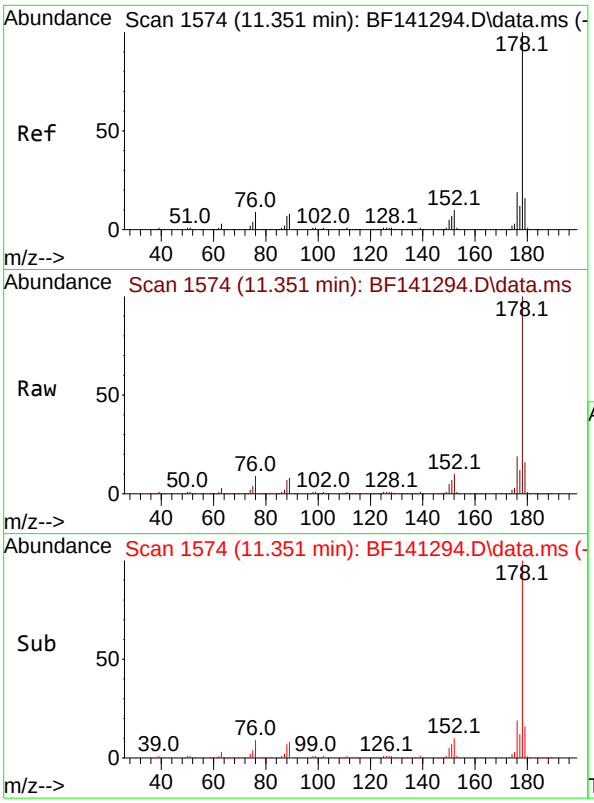


#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



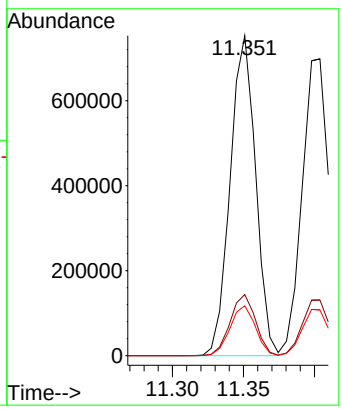


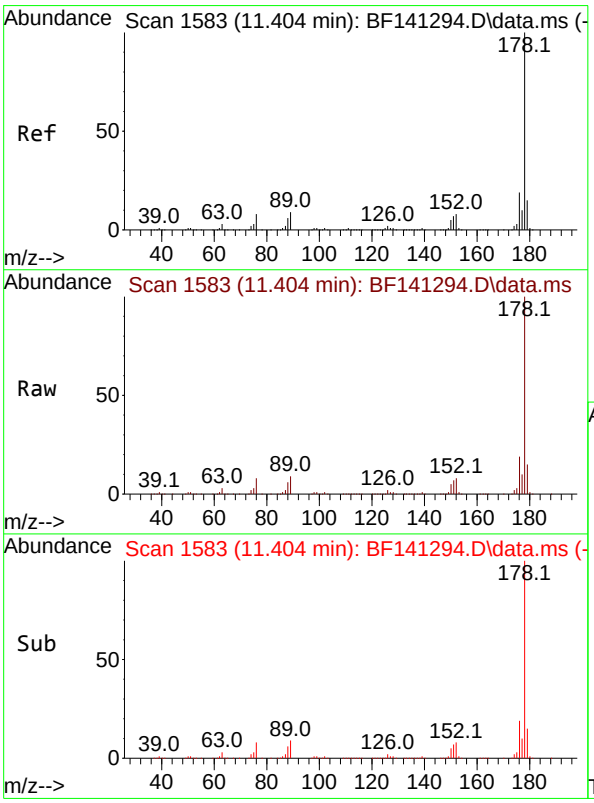
#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

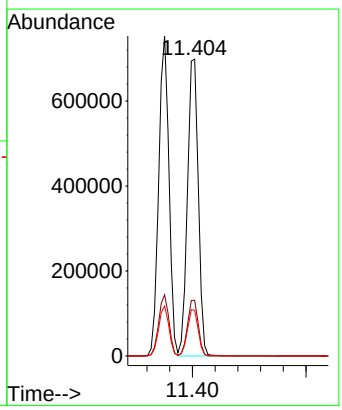


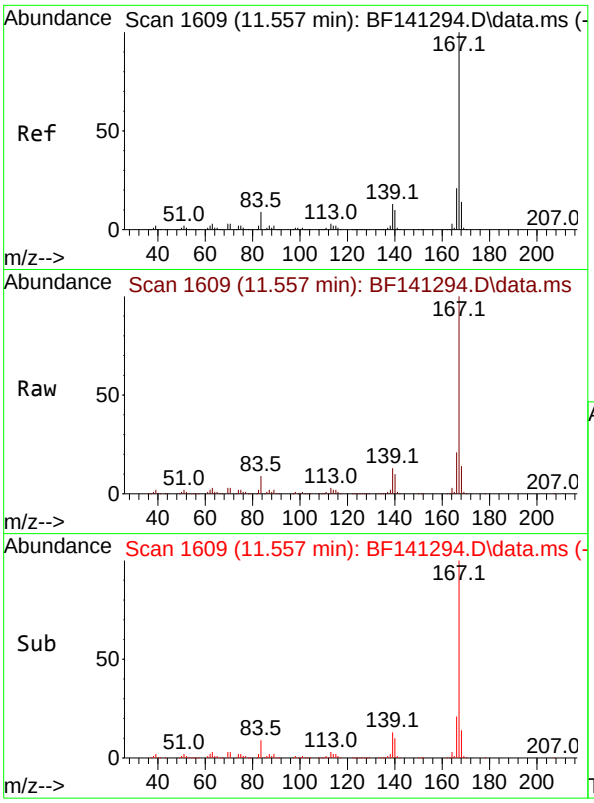


#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



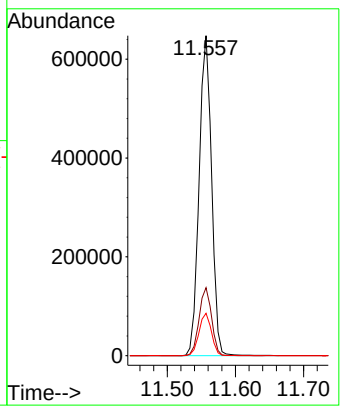


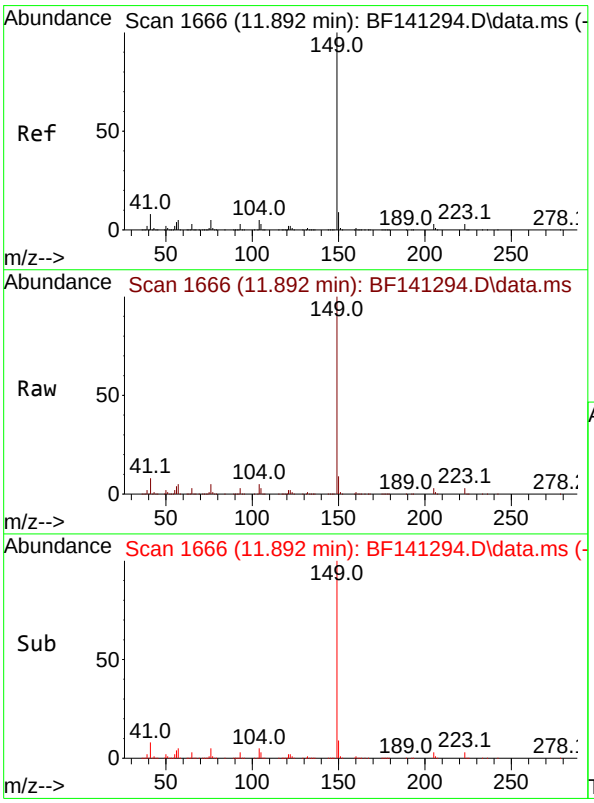
#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

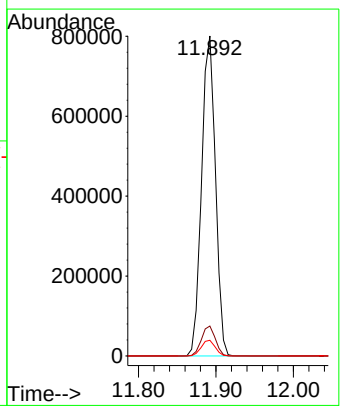


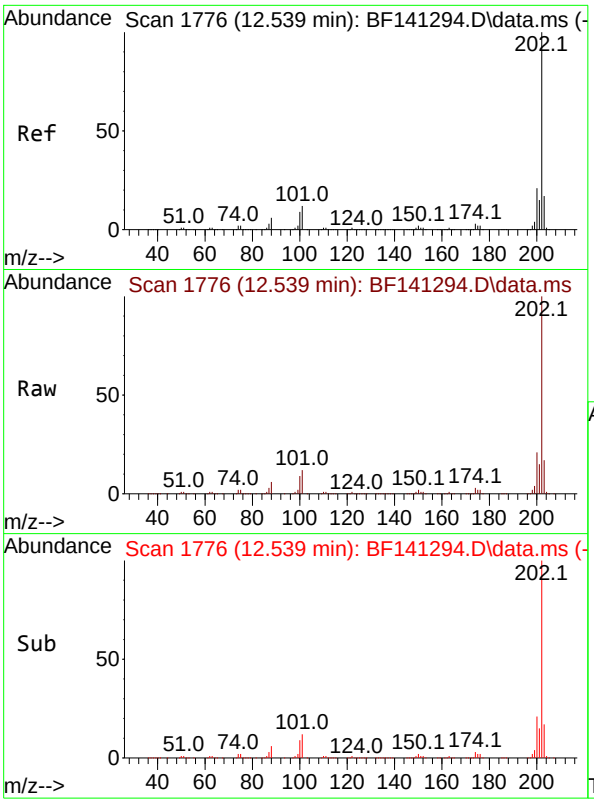


#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



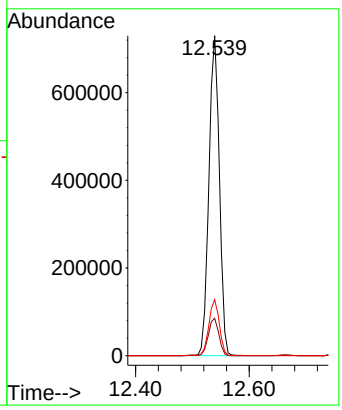


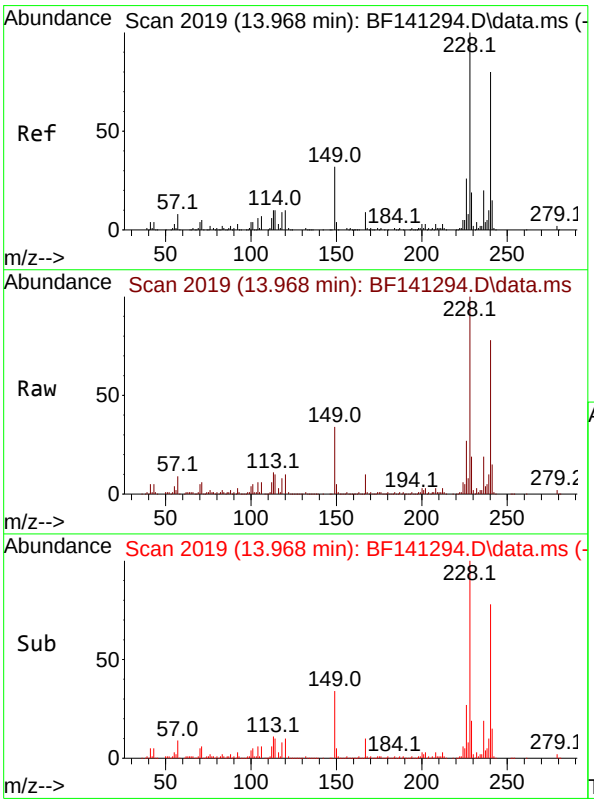
#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

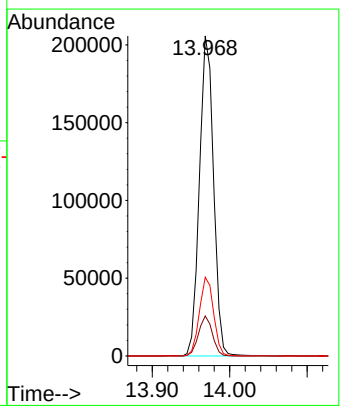


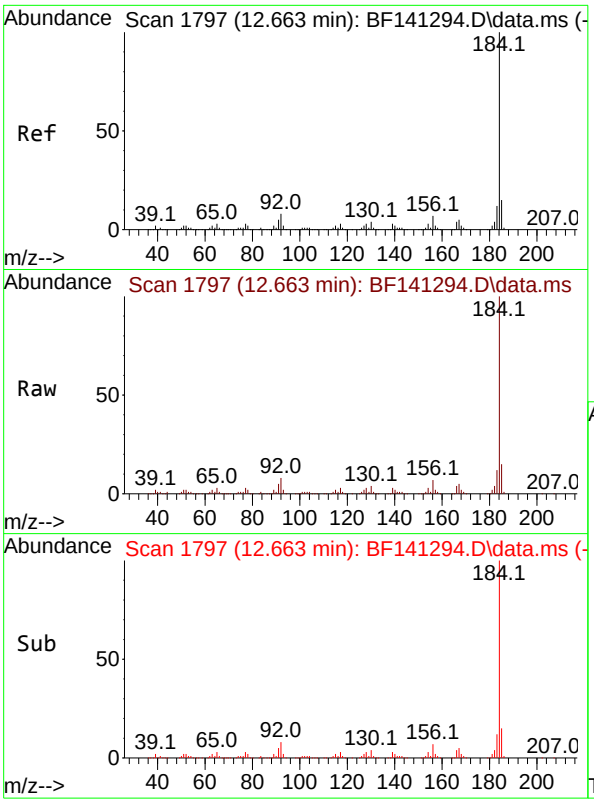


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



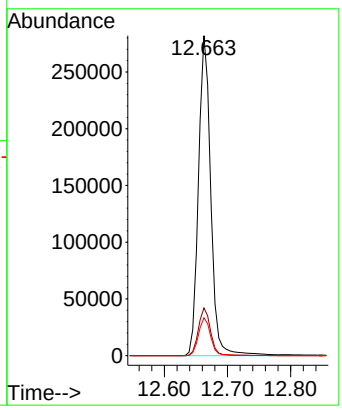


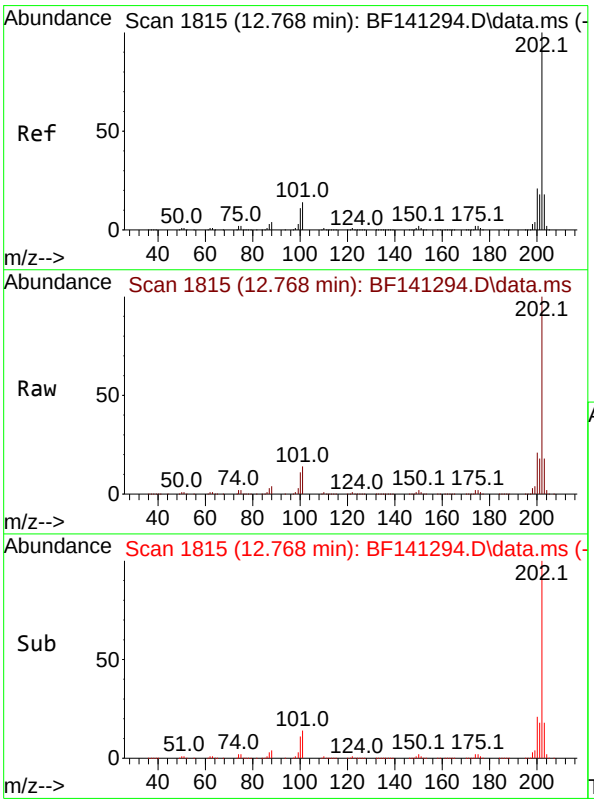
#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

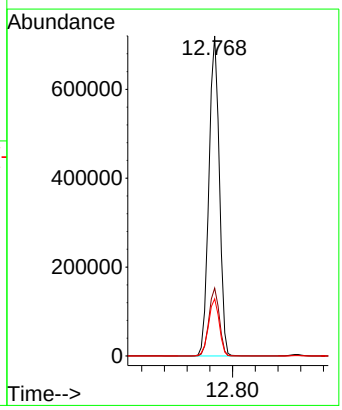


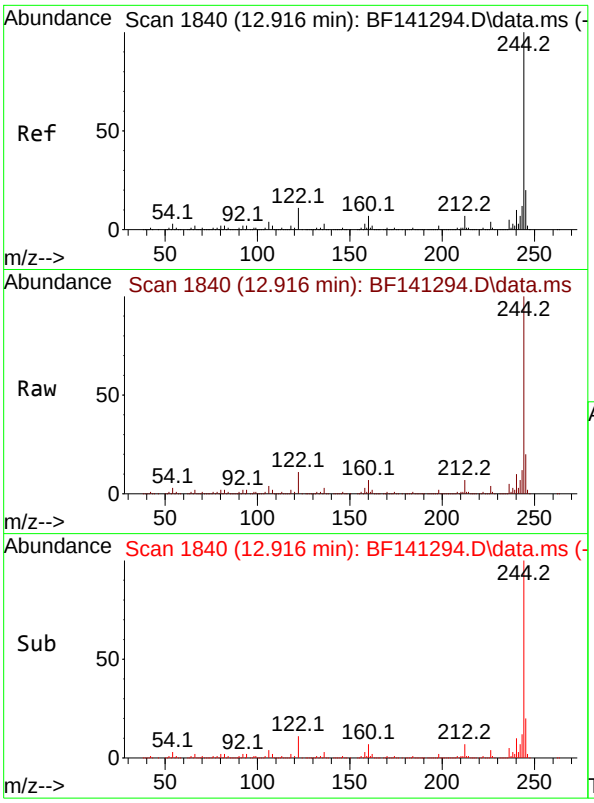


#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



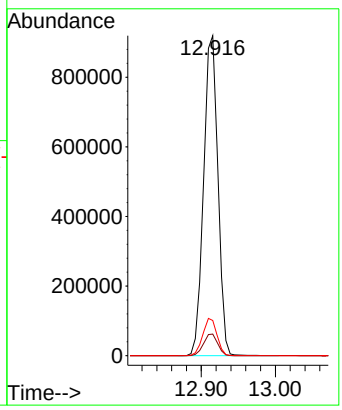


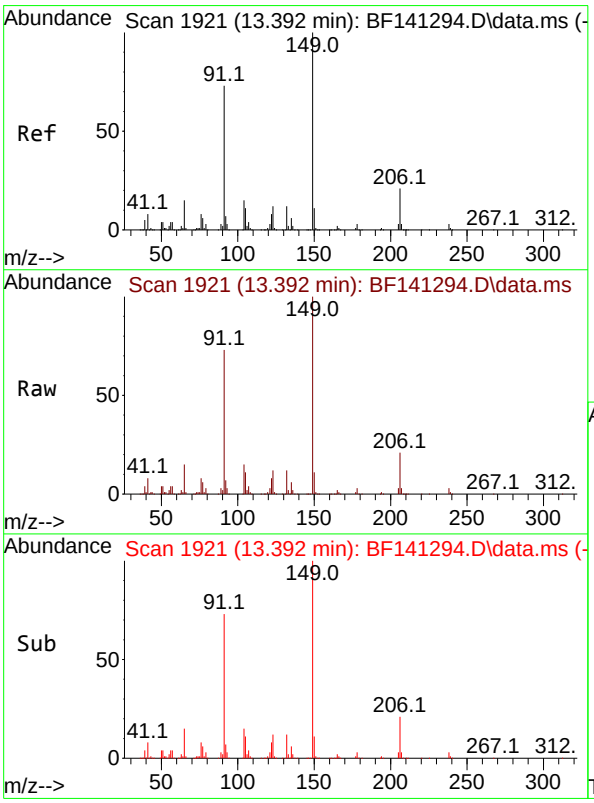
#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

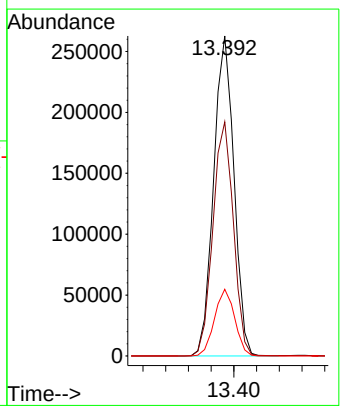


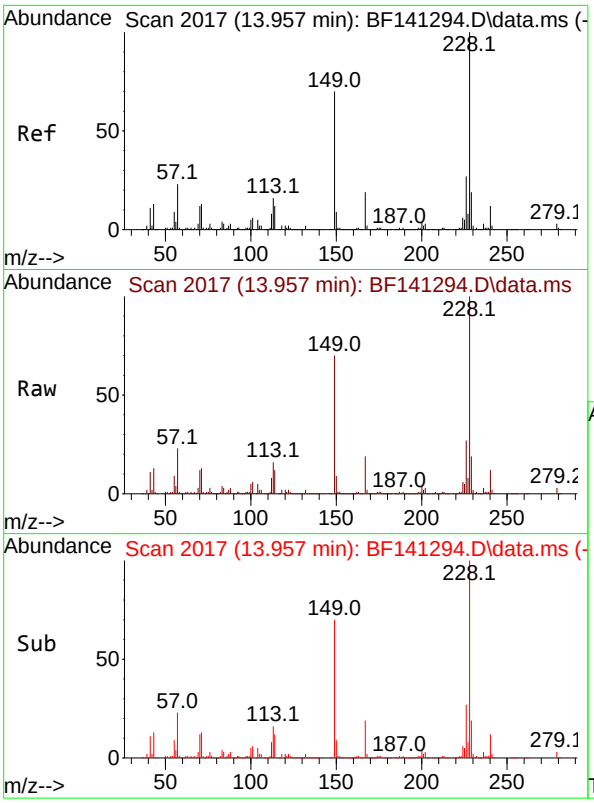


#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



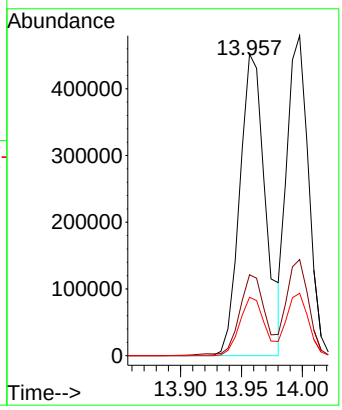


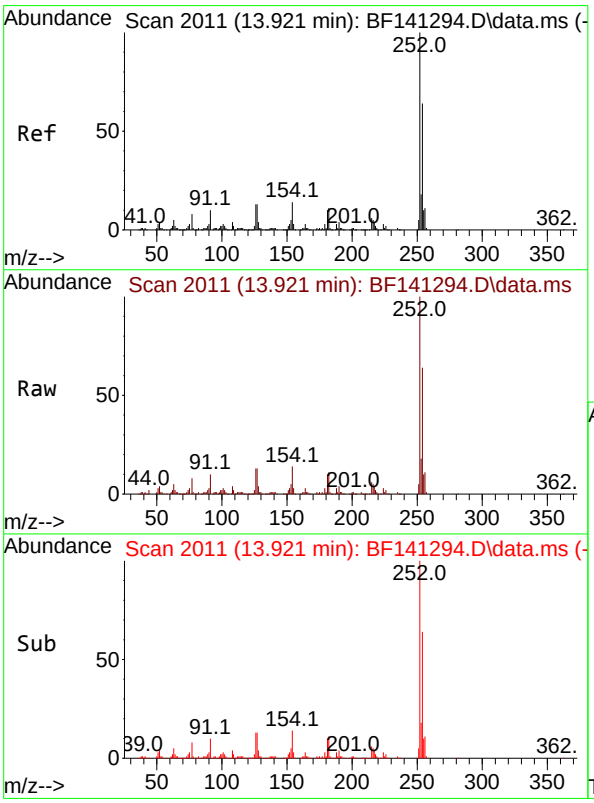
#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

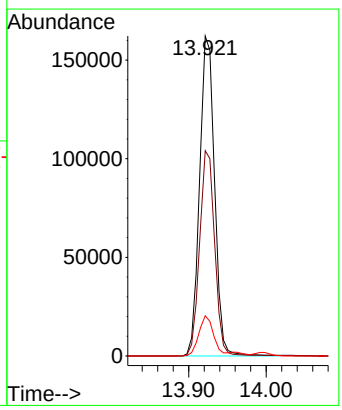


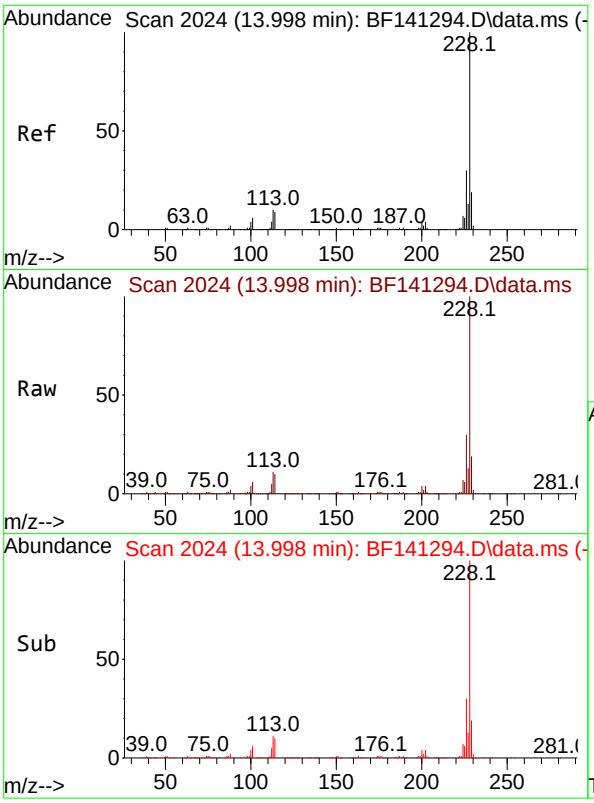


#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



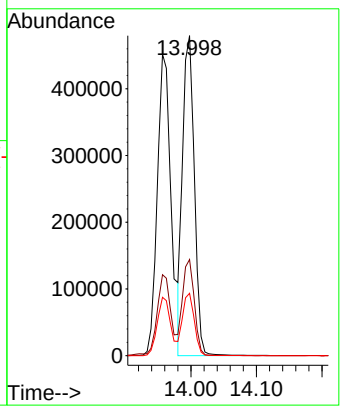


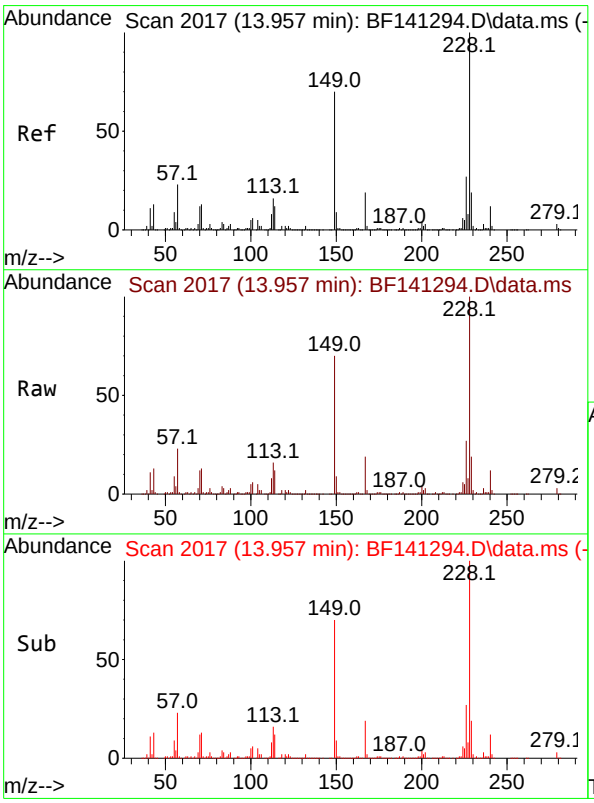
#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

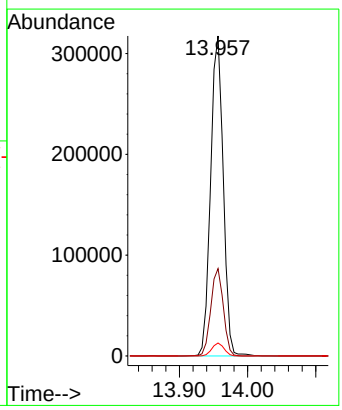


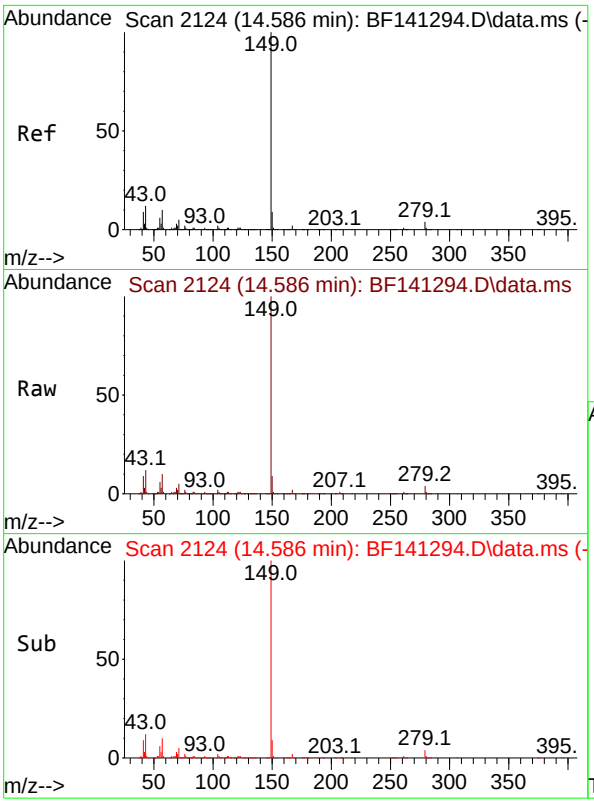


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



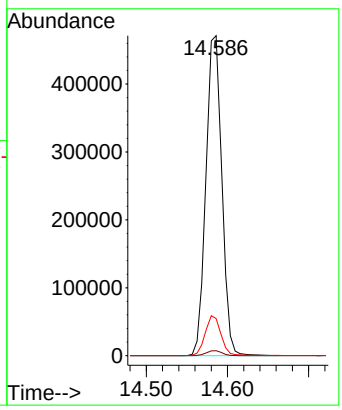


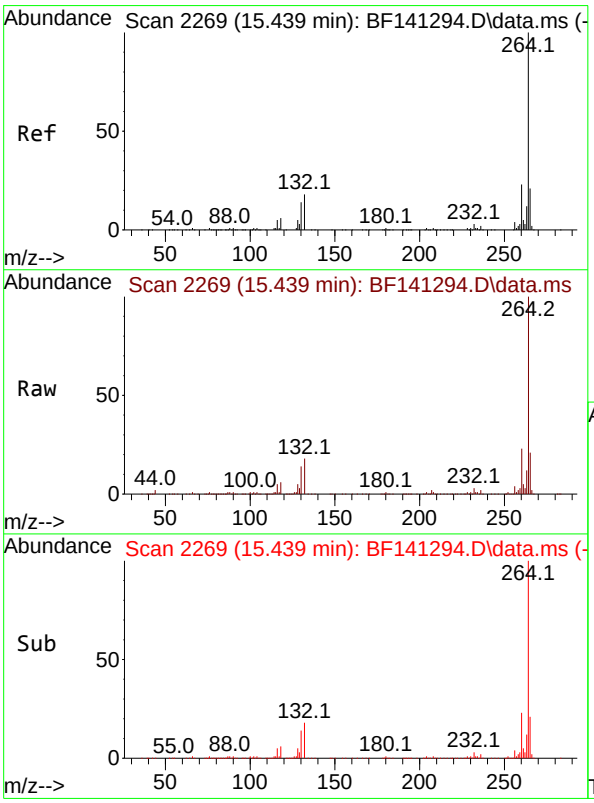
#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

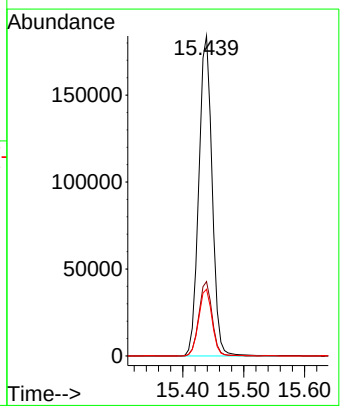


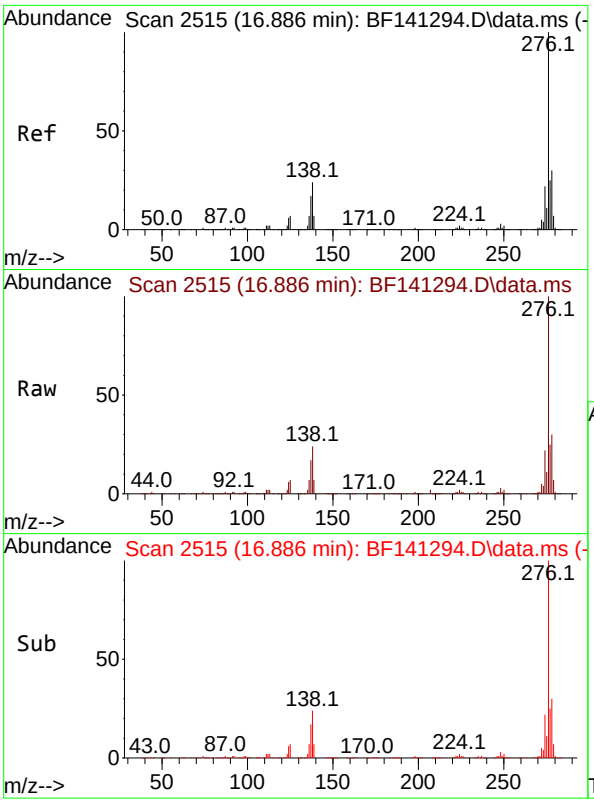


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



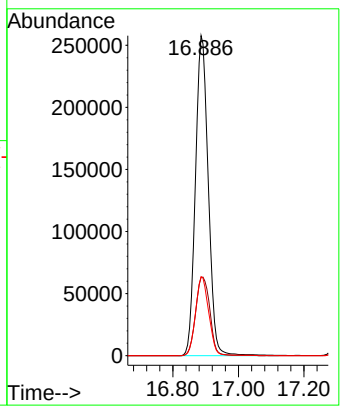


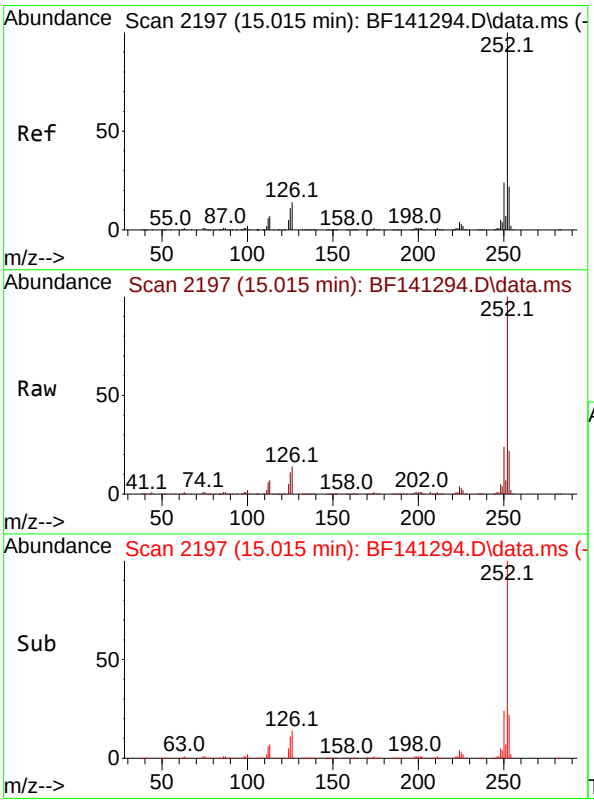
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.503 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

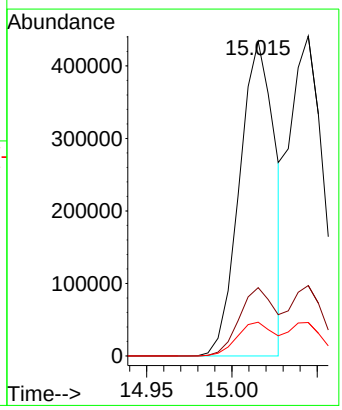


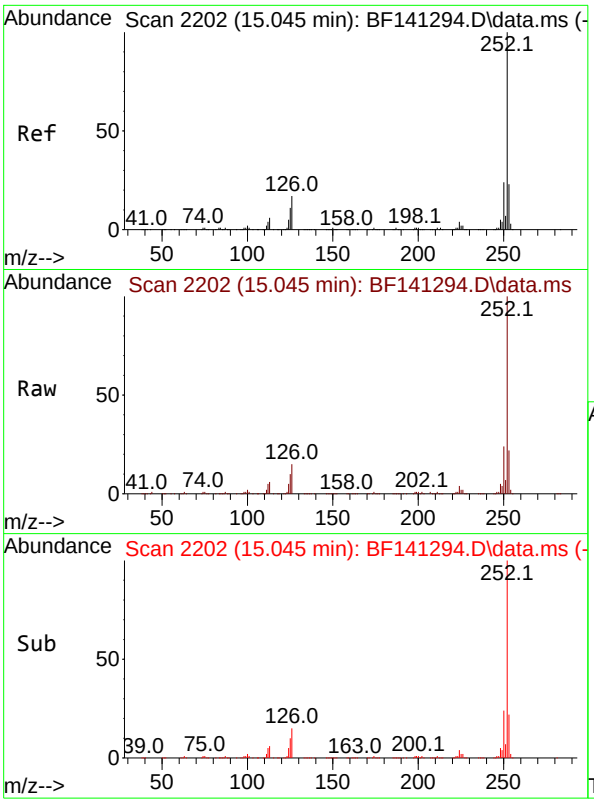


#88
Benzo(b)fluoranthene
Concen: 36.061 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



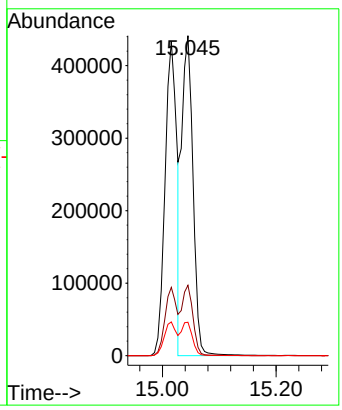


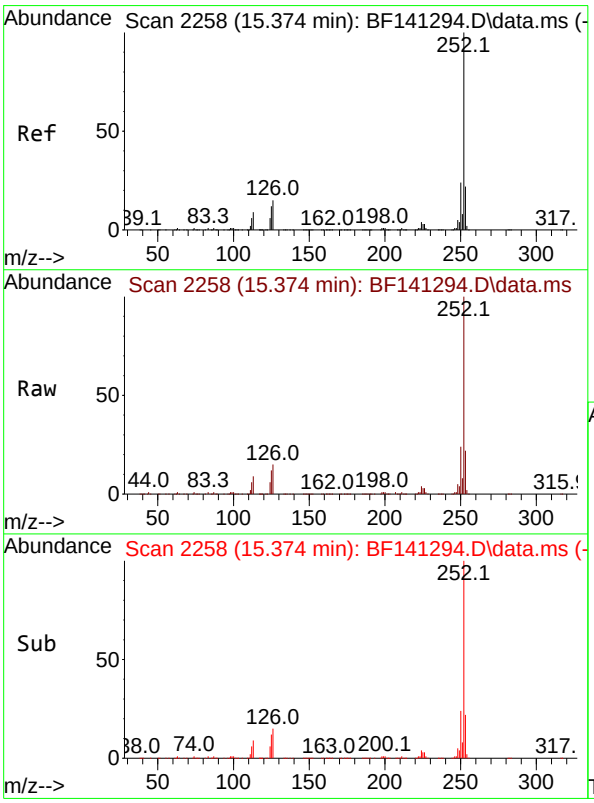
#89
Benzo(k)fluoranthene
Concen: 38.959 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

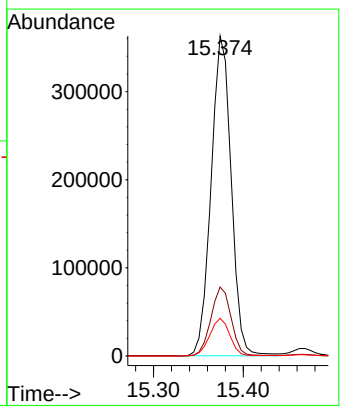


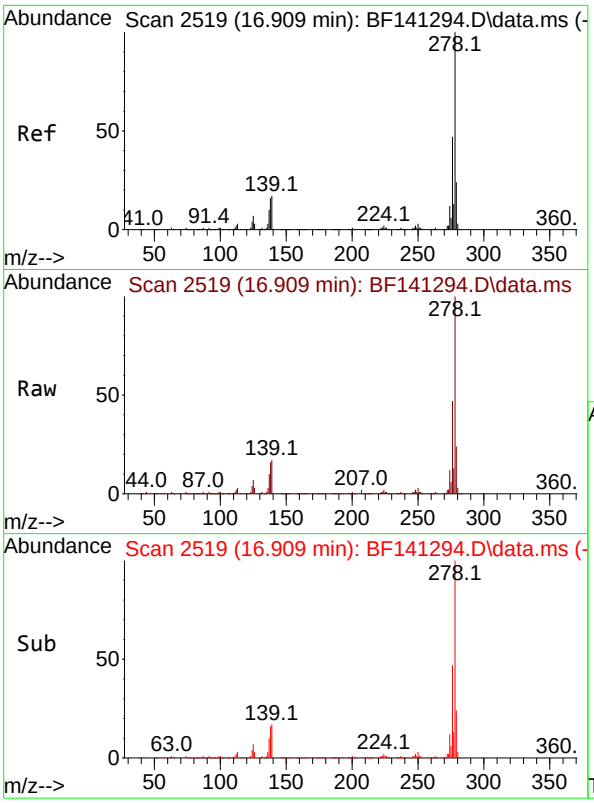


#90
Benzo(a)pyrene
Concen: 38.096 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



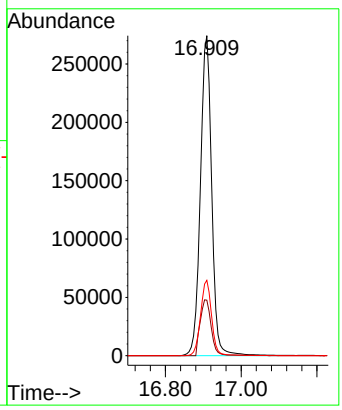


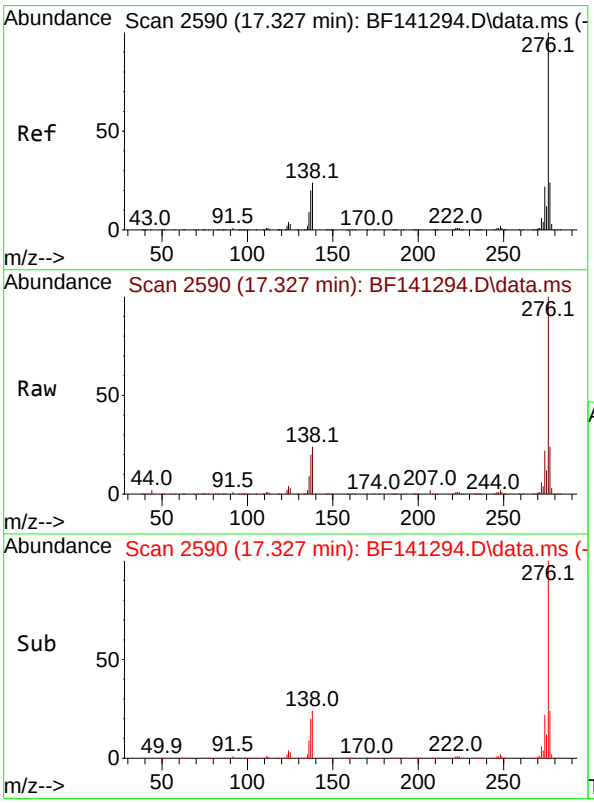
#91
Dibenzo(a,h)anthracene
Concen: 38.812 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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

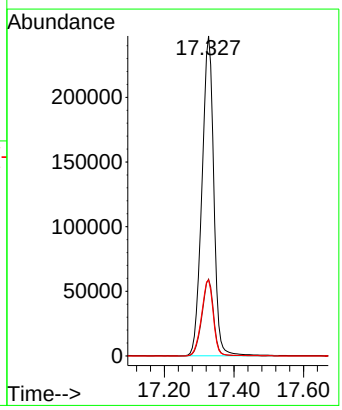




#92
Benzo(g,h,i)perylene
Concen: 37.870 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

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



Quantitation Report (QT Reviewed)

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

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

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

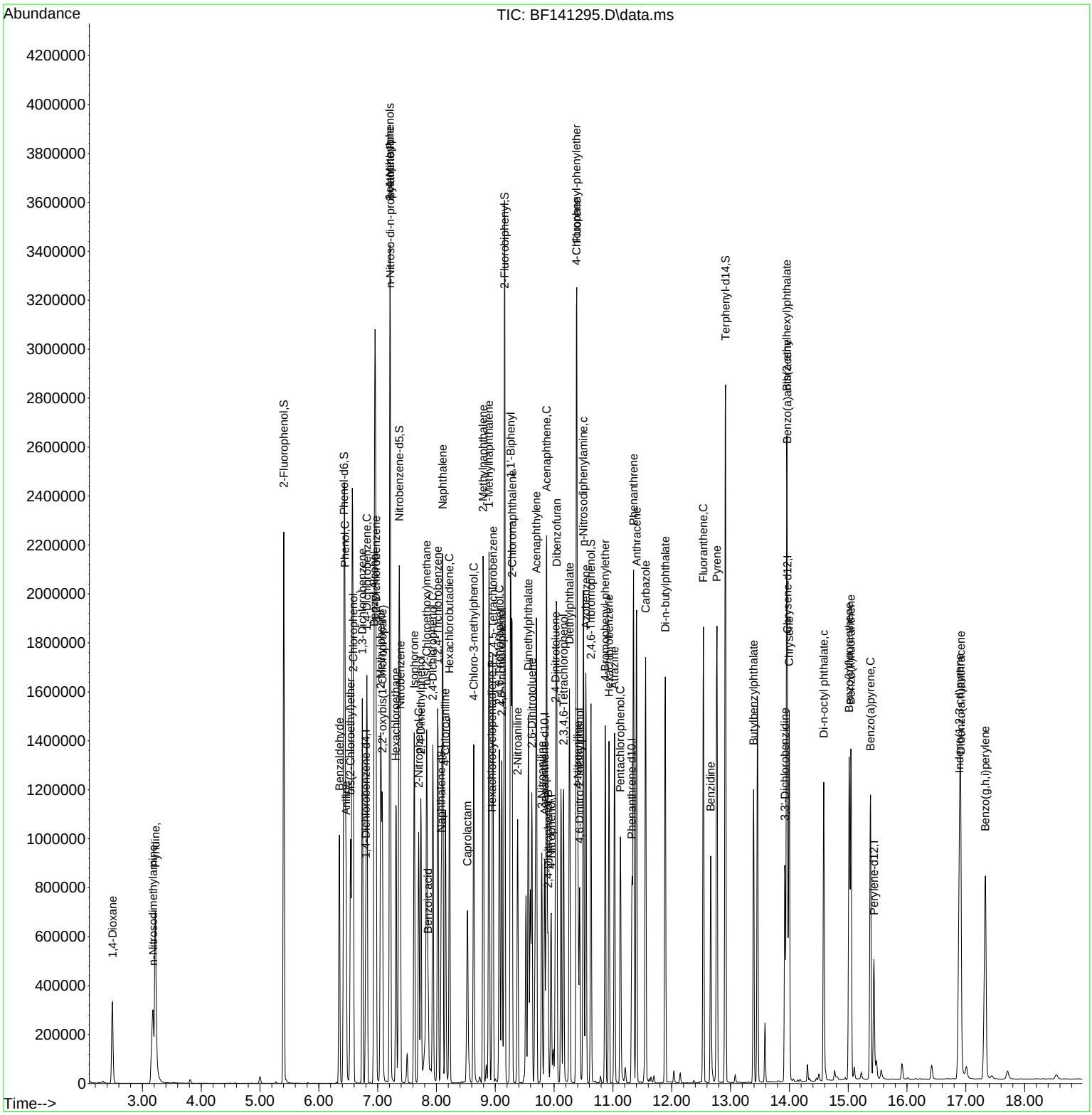
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

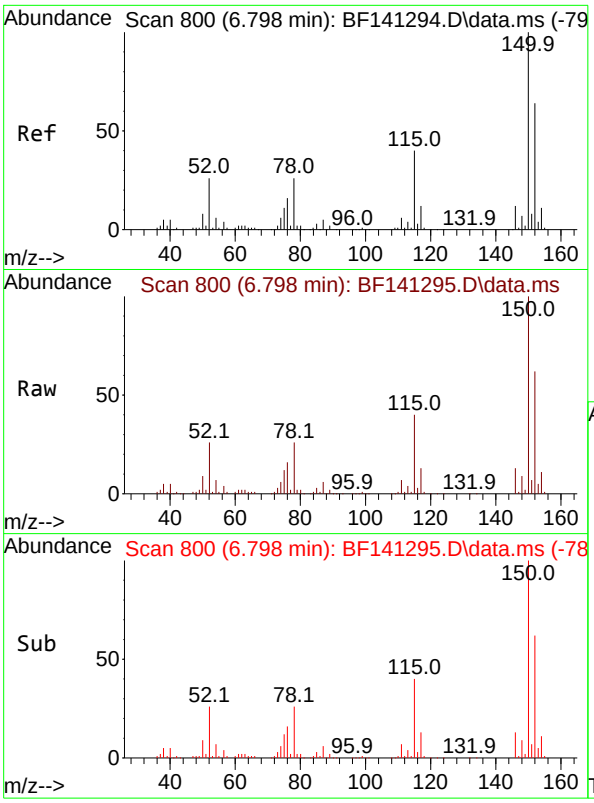
Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

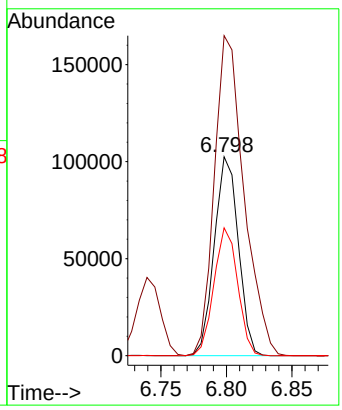




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 13063

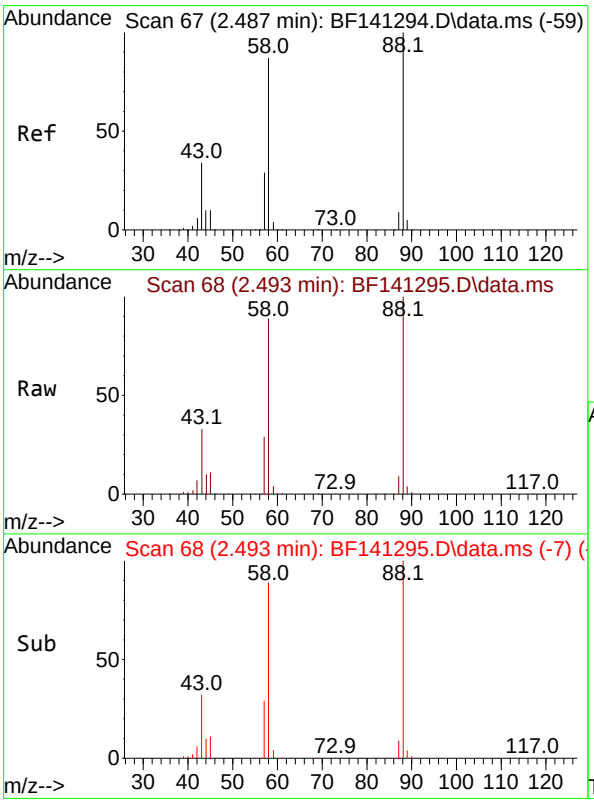
Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.9	188.9
115	64.3	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

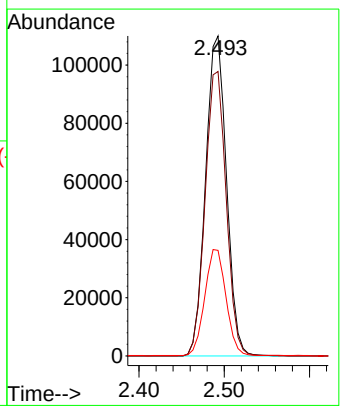
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

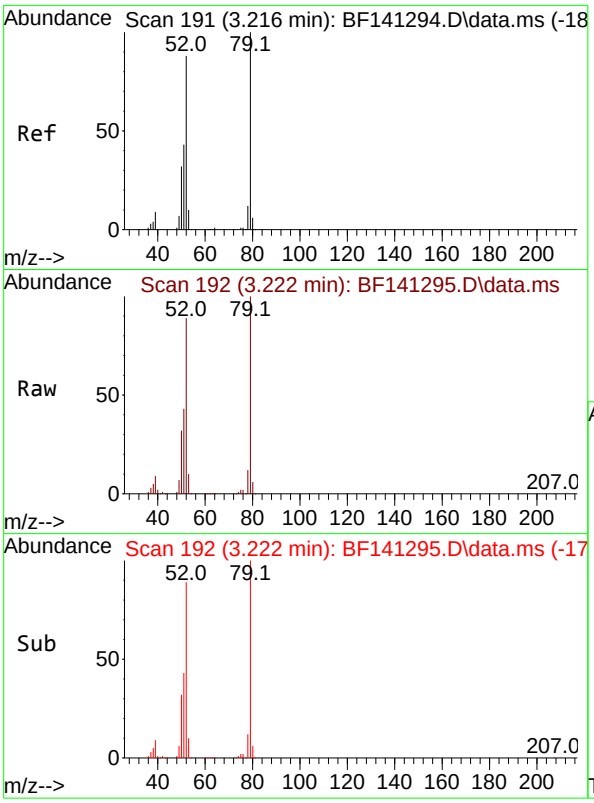


#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

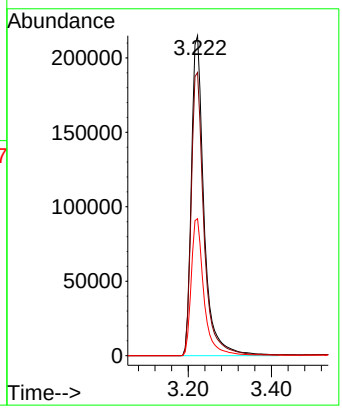




#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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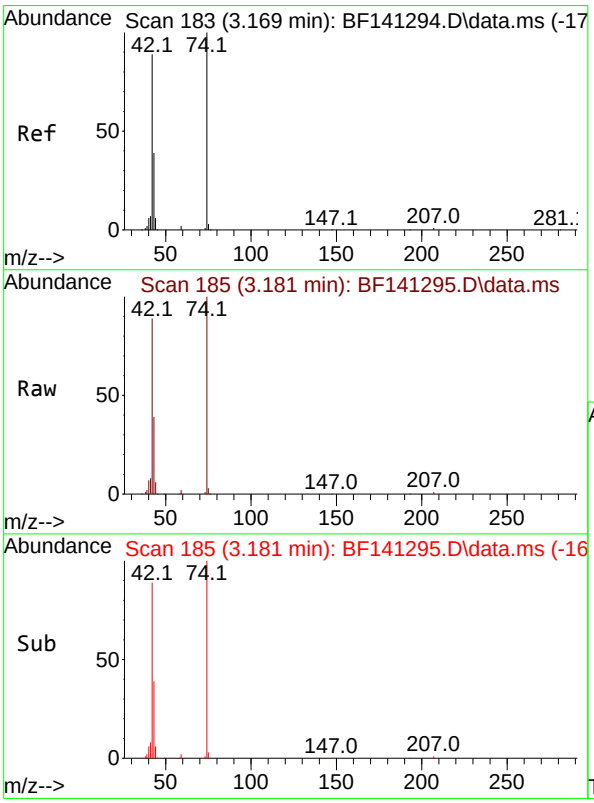
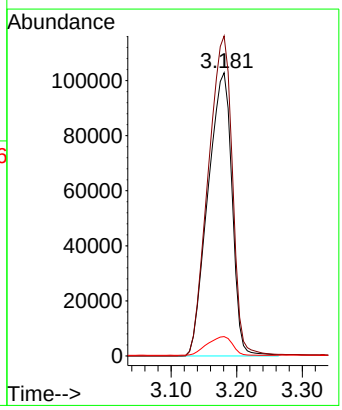
Supervised By :mohammad ahmed 02/04/2025

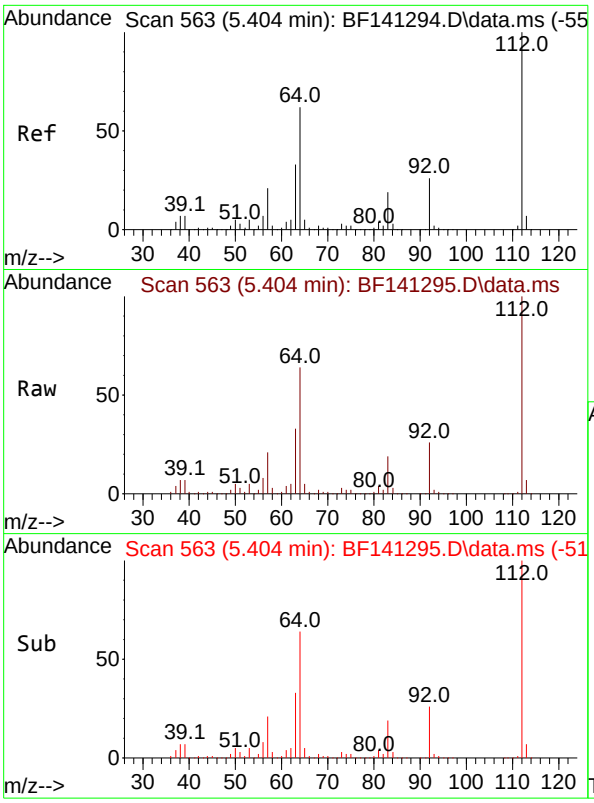


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

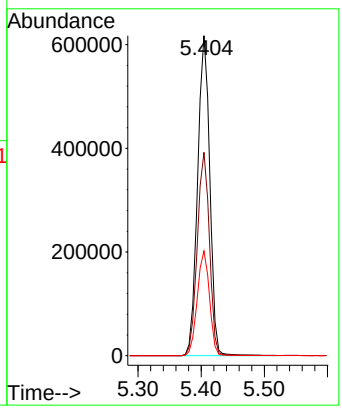




#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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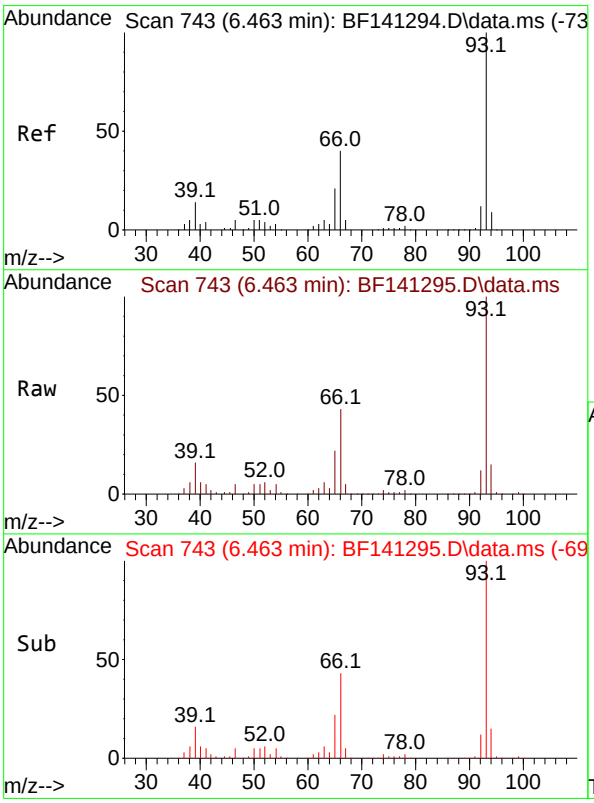
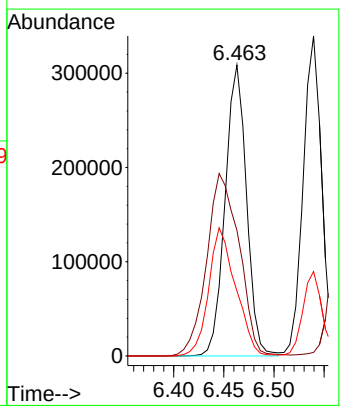
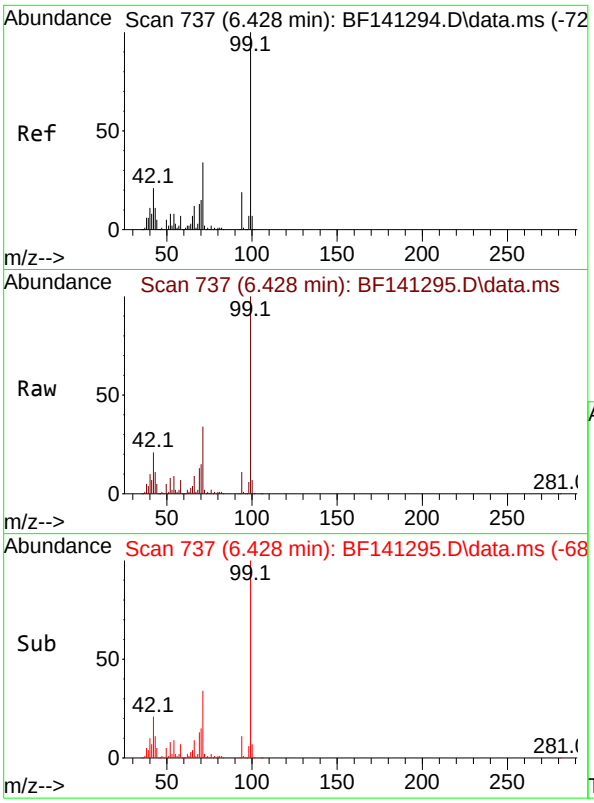


#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

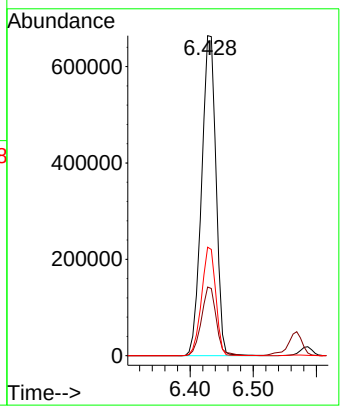




#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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



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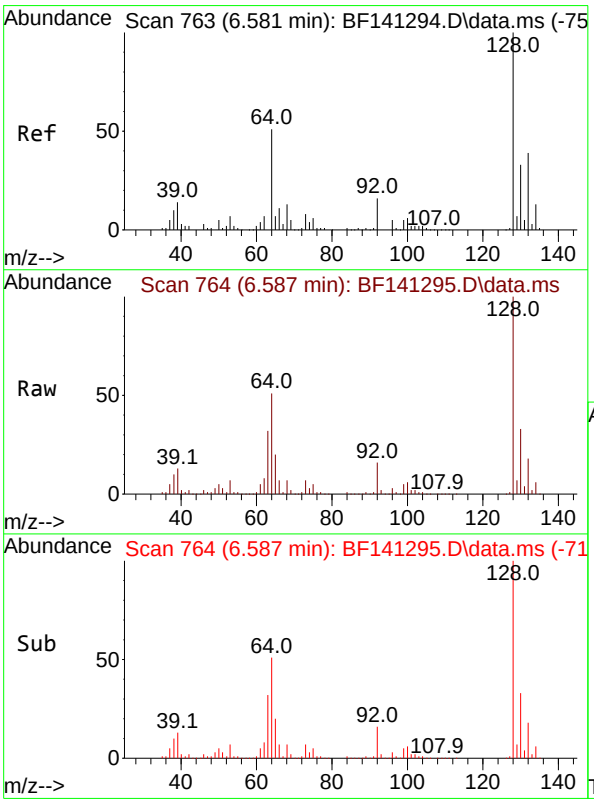
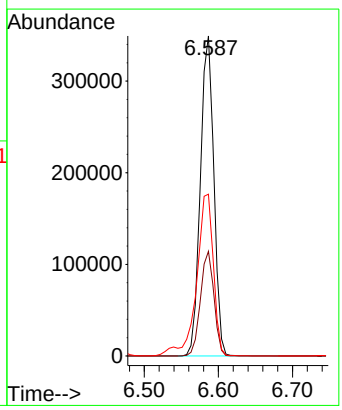
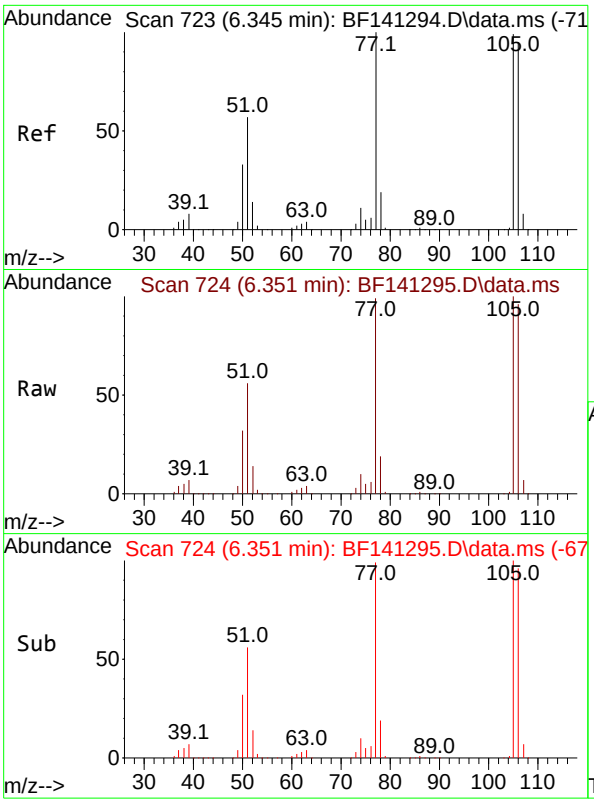


#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

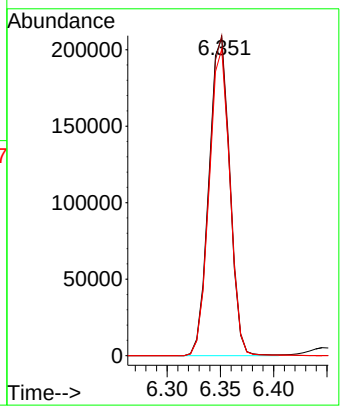




#9
Benzaldehyde
Concen: 44.996 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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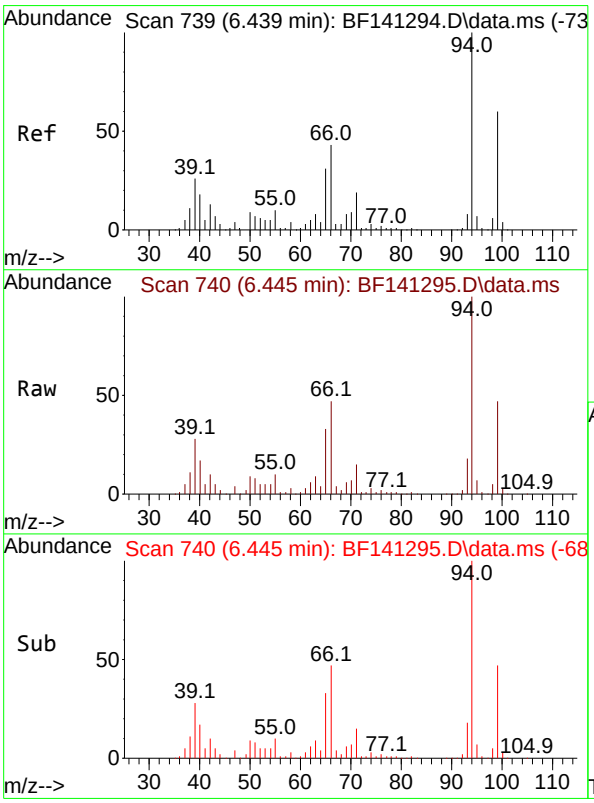
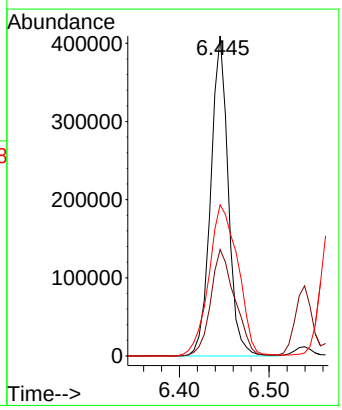
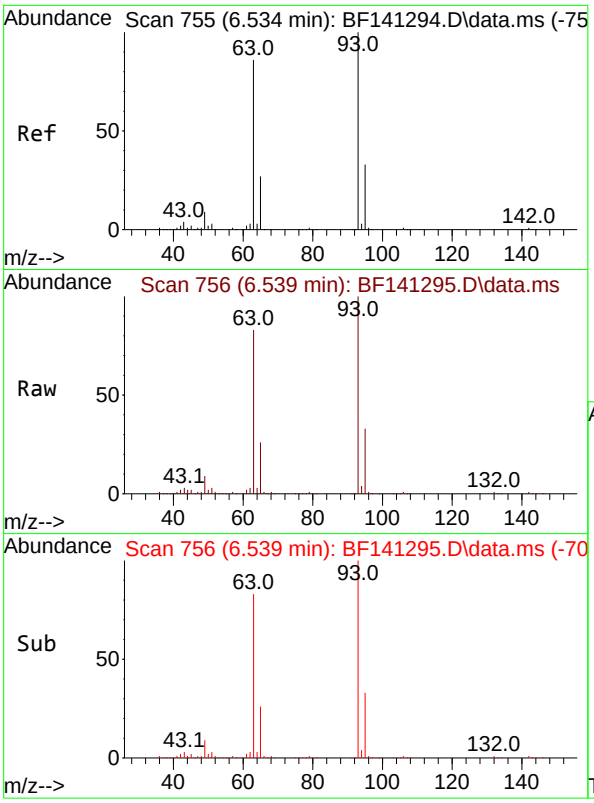


#10
Phenol
Concen: 48.628 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

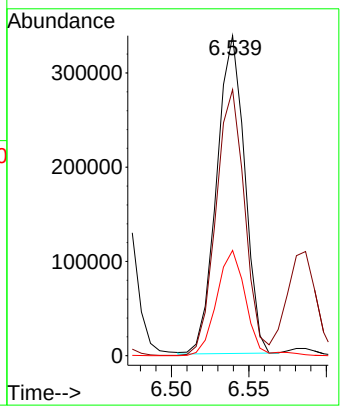




#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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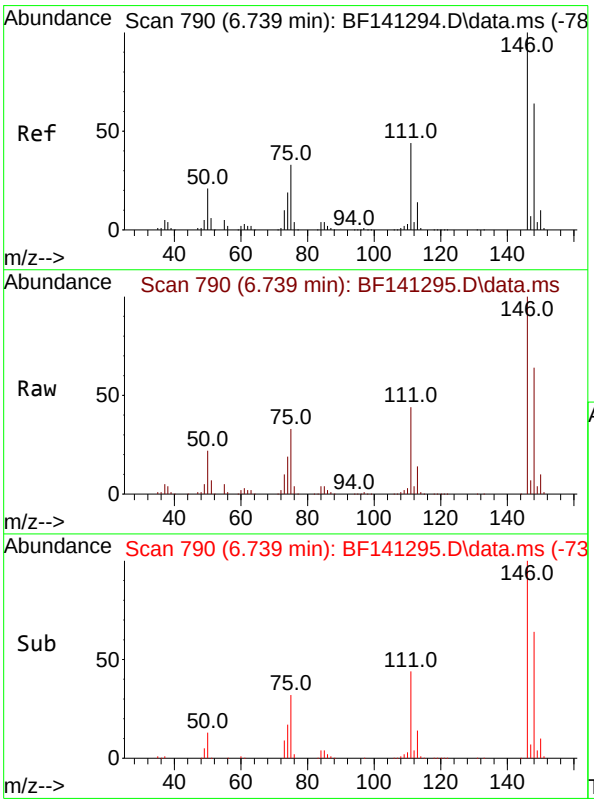
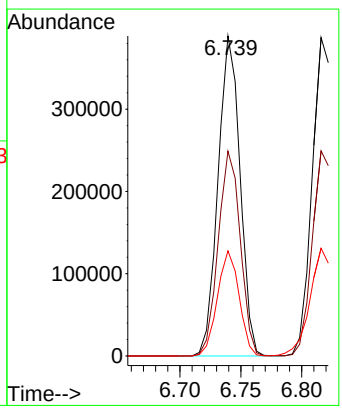
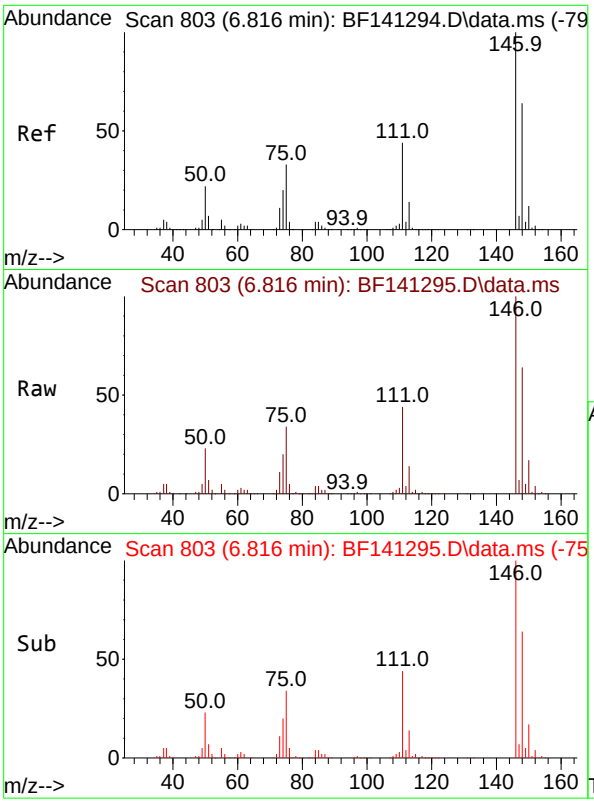


#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

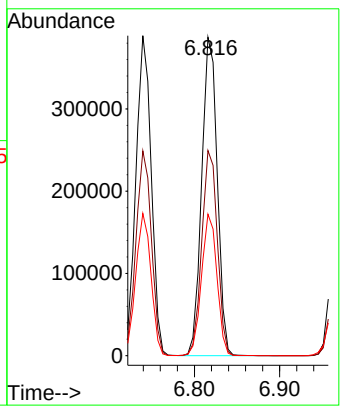




#13
1,4-Dichlorobenzene
Concen: 48.671 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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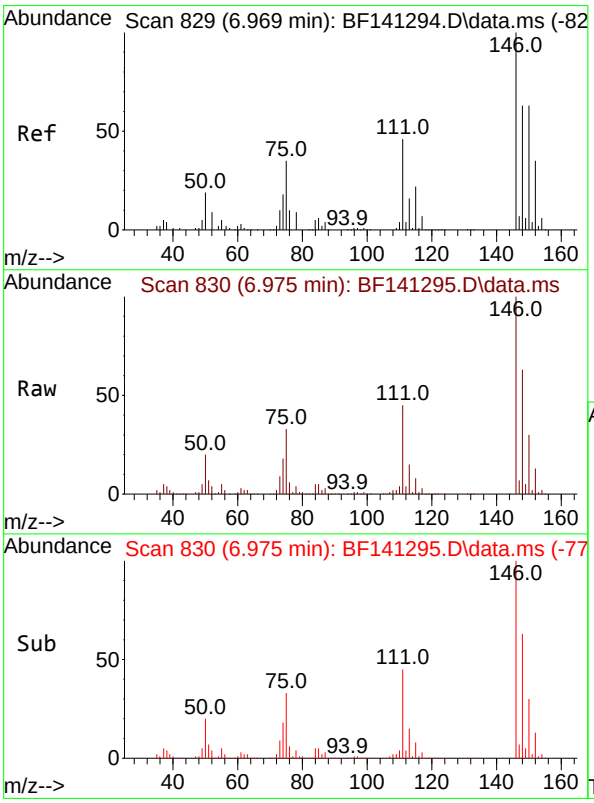
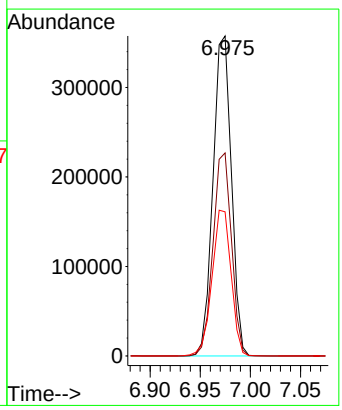
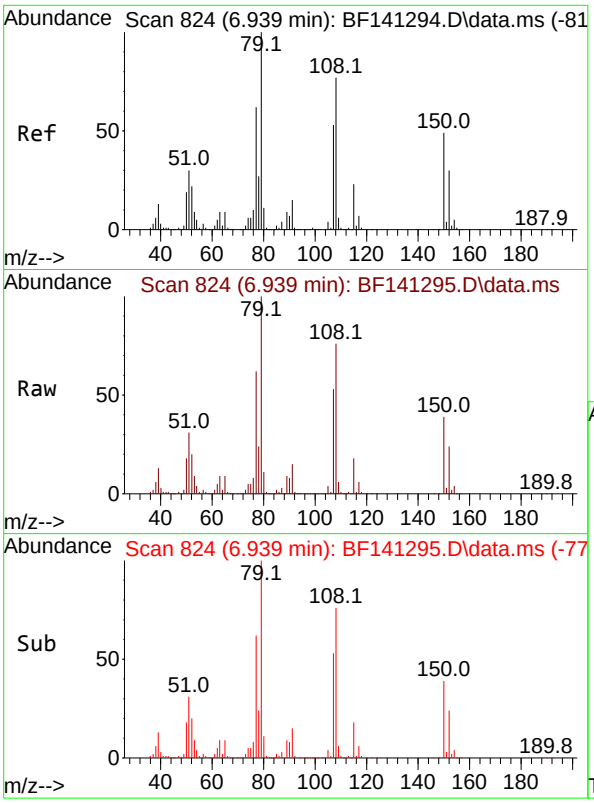


#14
1,2-Dichlorobenzene
Concen: 48.279 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

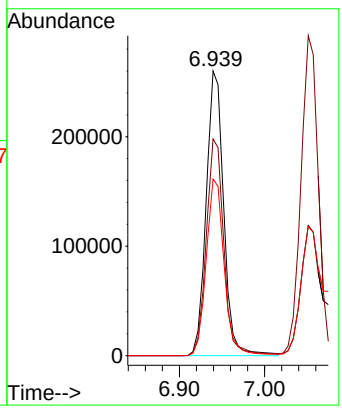




#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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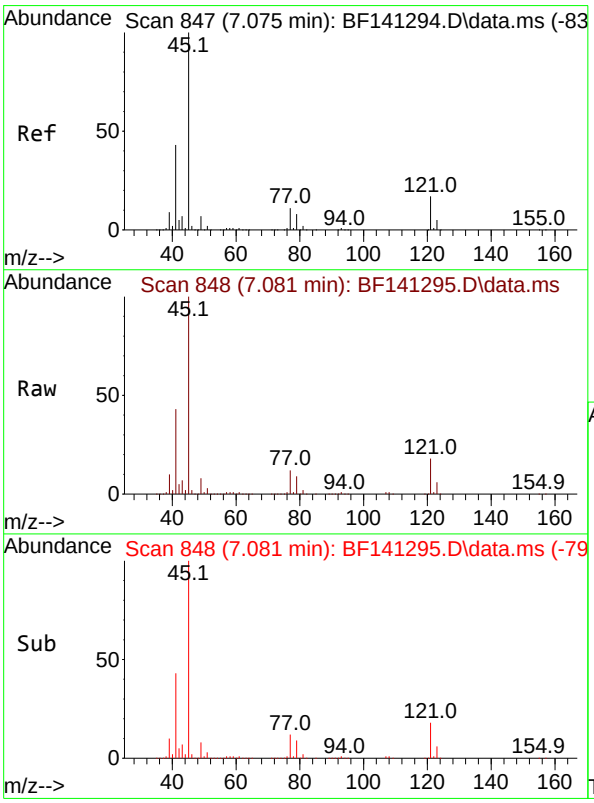
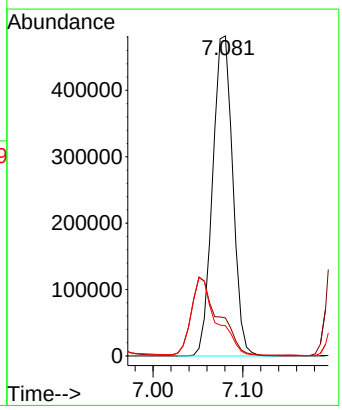
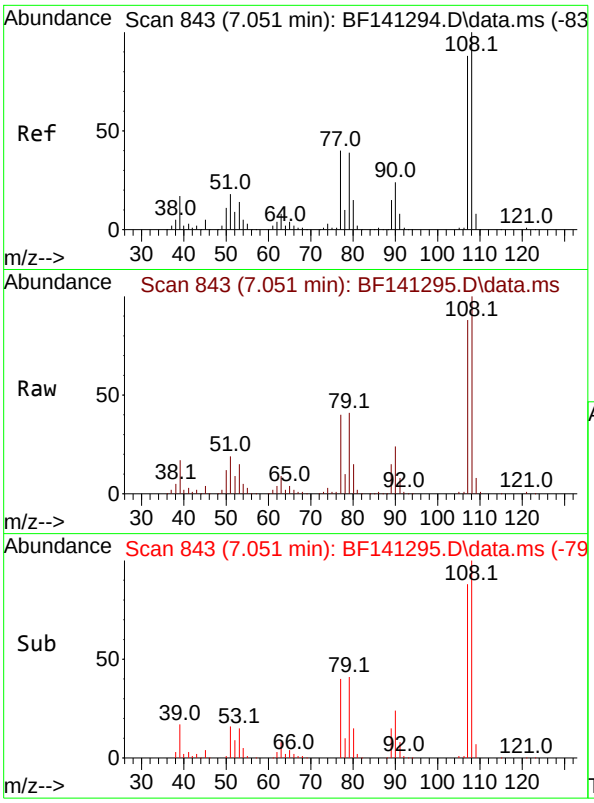


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

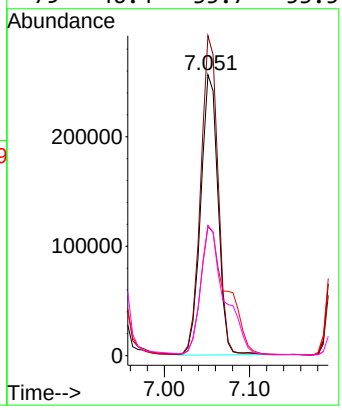




#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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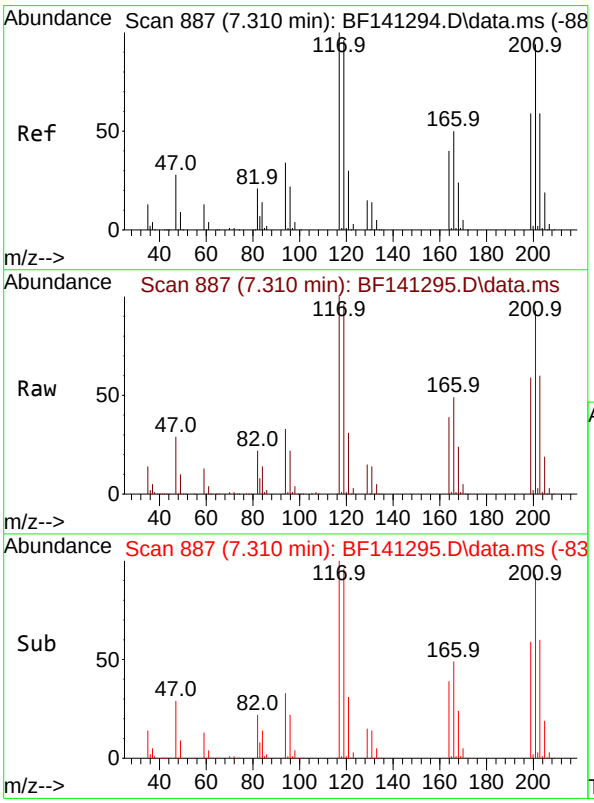
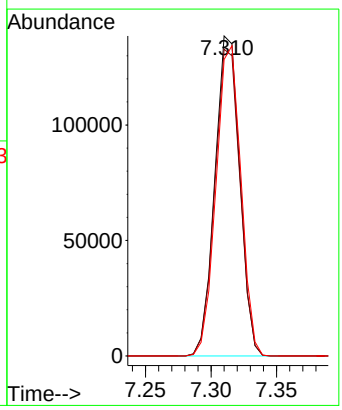
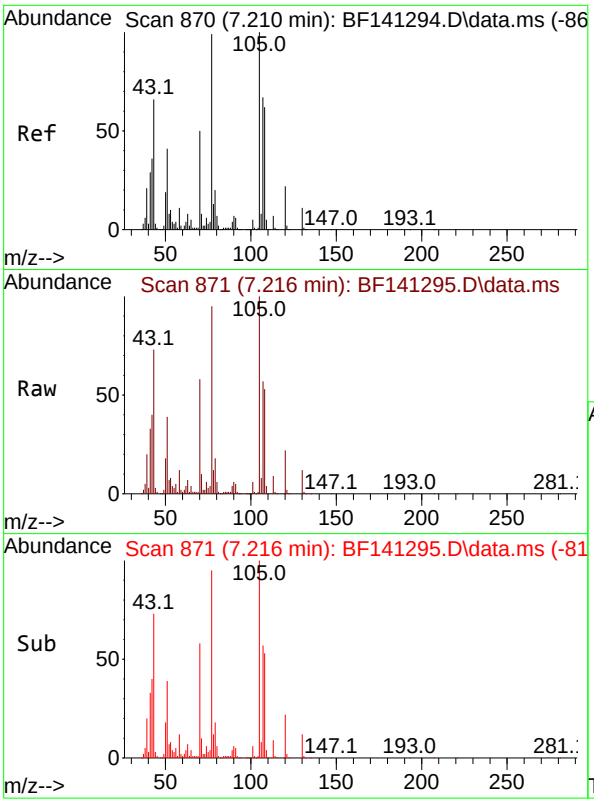


#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

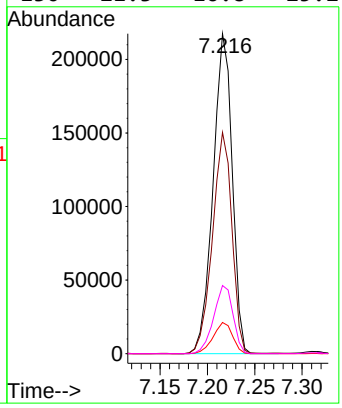




#19
n-Nitroso-di-n-propylamine
Concen: 47.753 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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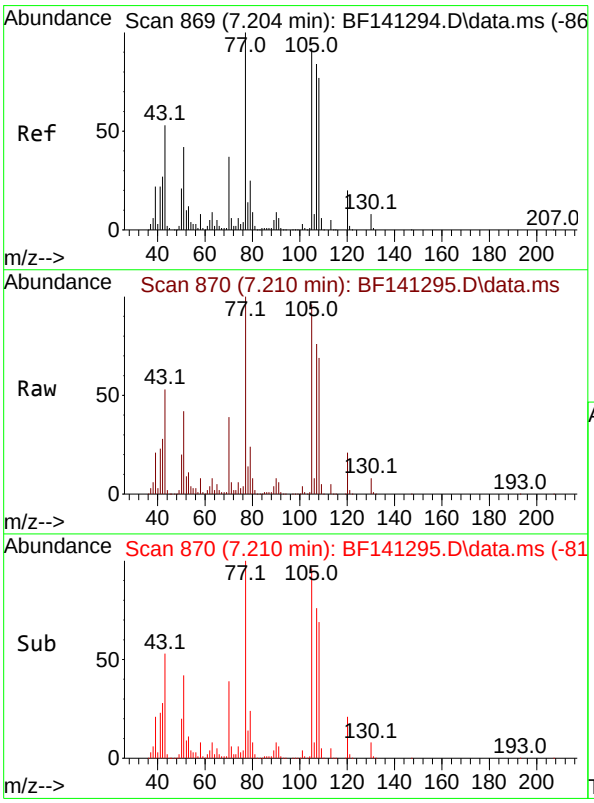
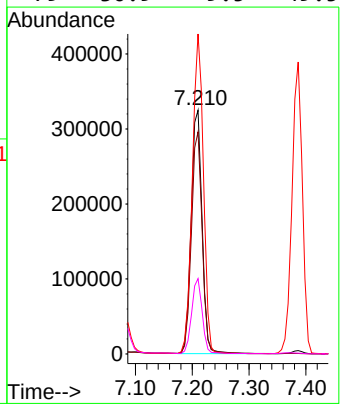
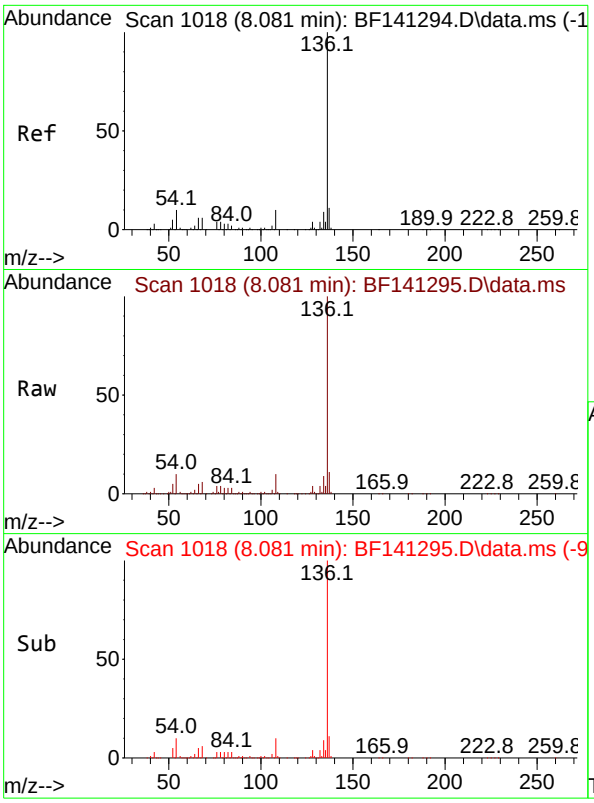


#20
3+4-Methylphenols
Concen: 48.143 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

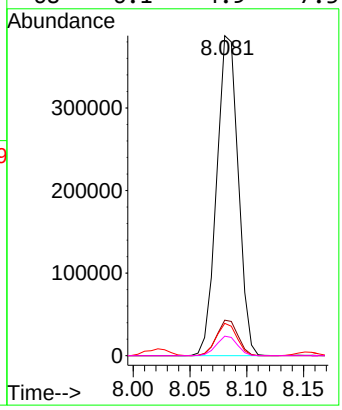




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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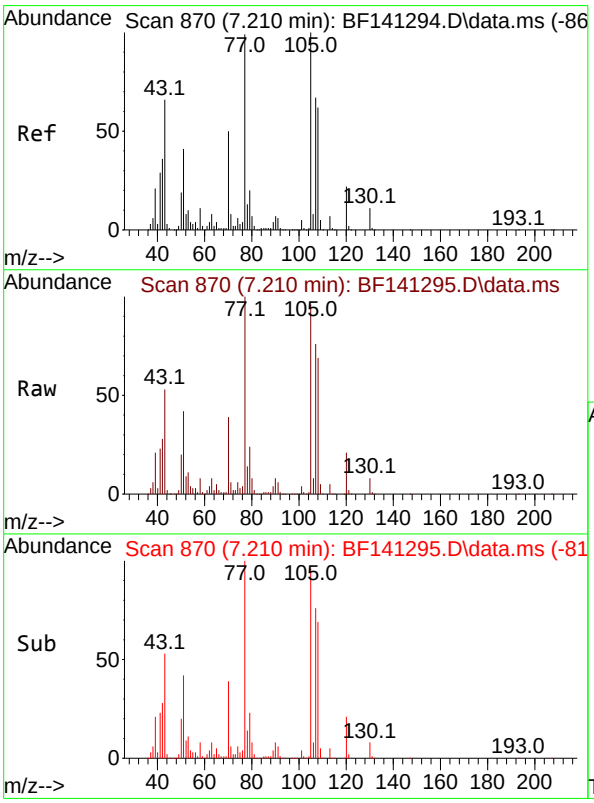
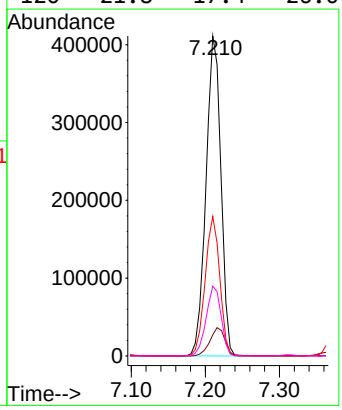
Supervised By :mohammad ahmed 02/04/2025

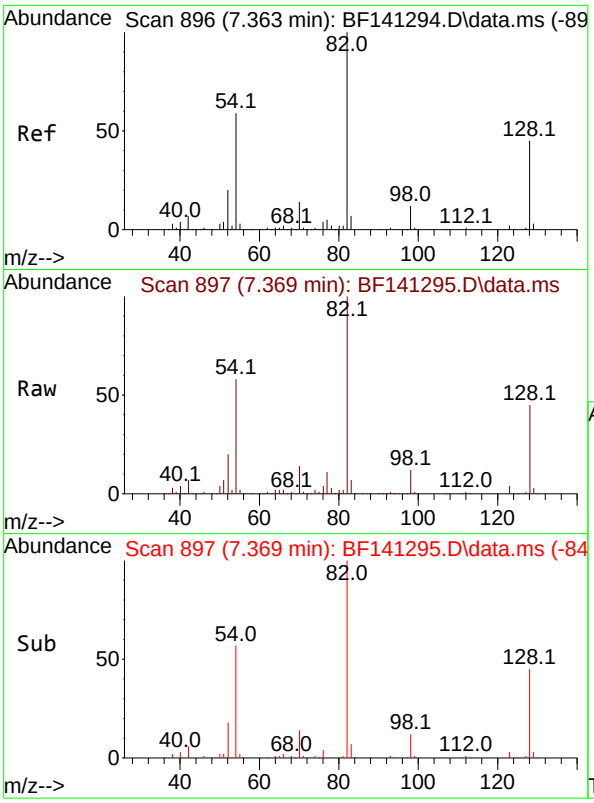


#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

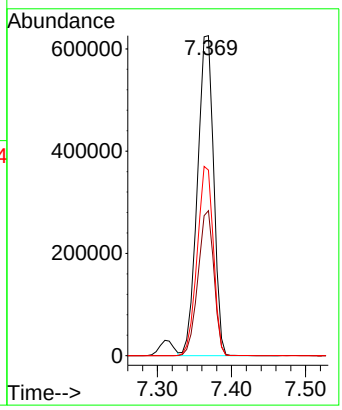




#23
Nitrobenzene-d5
Concen: 98.761 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
SSTDICC050

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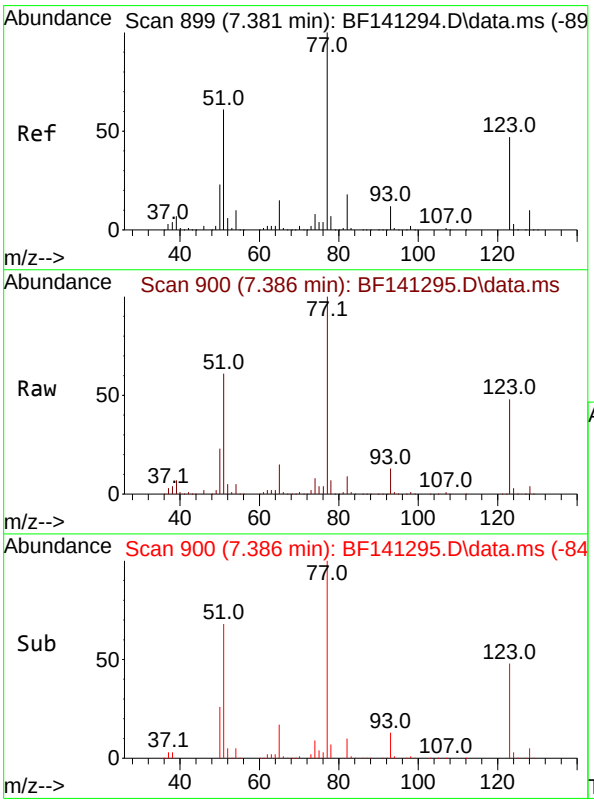
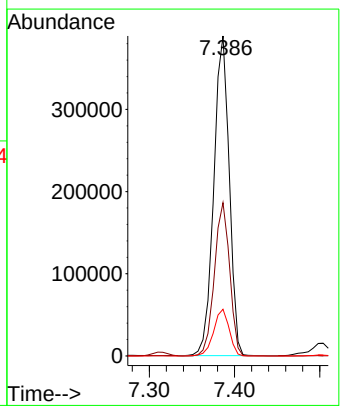
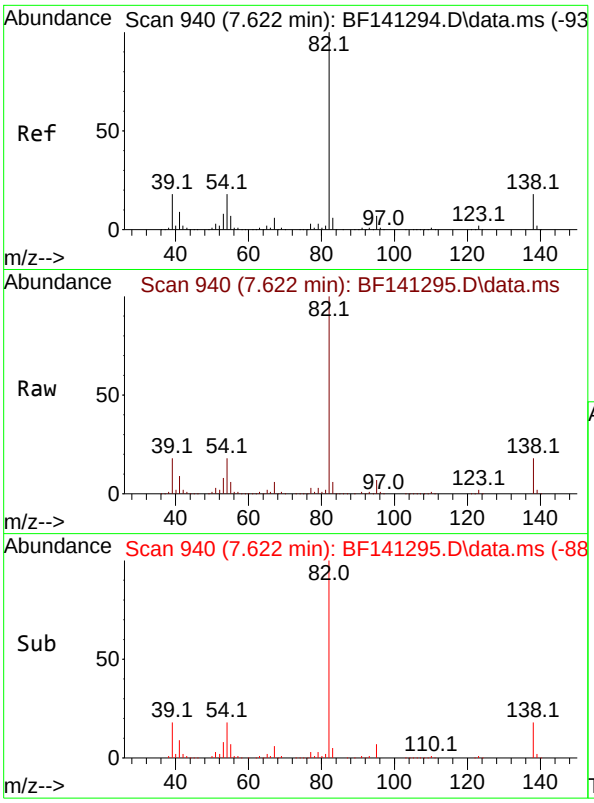


#24
Nitrobenzene
Concen: 49.046 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

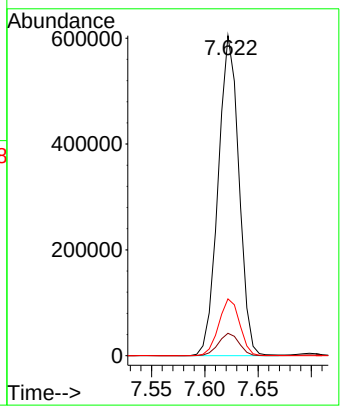




#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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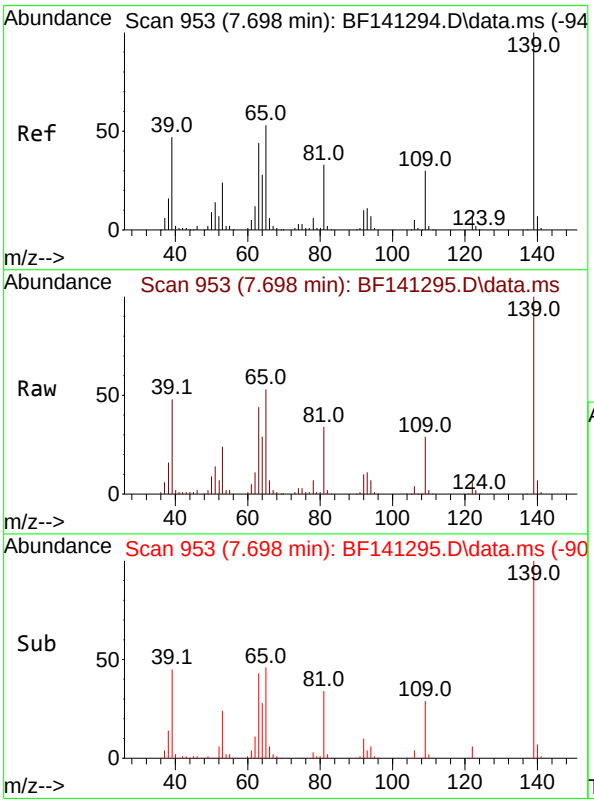
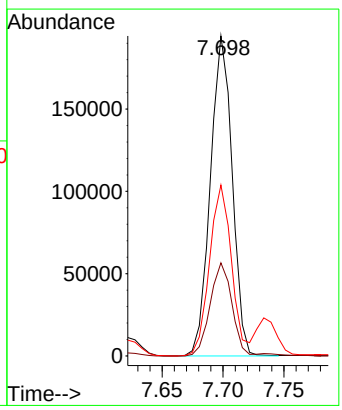
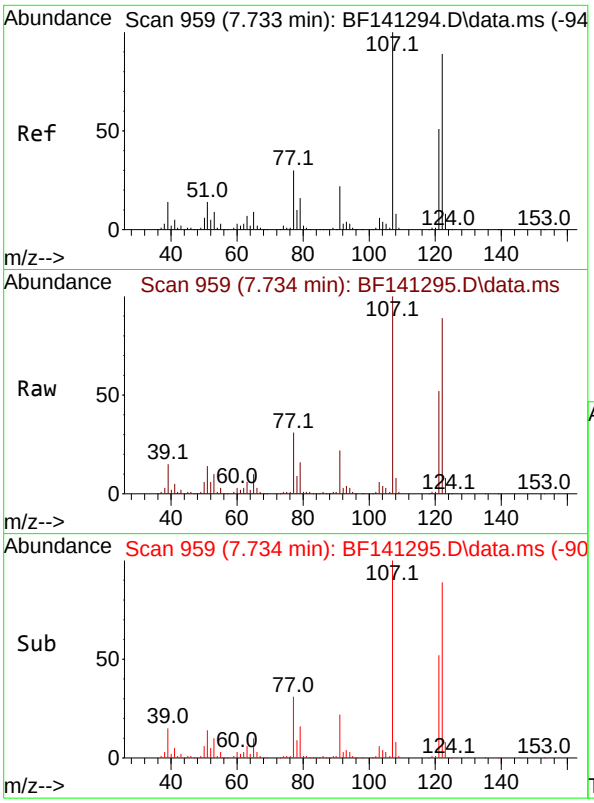


#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

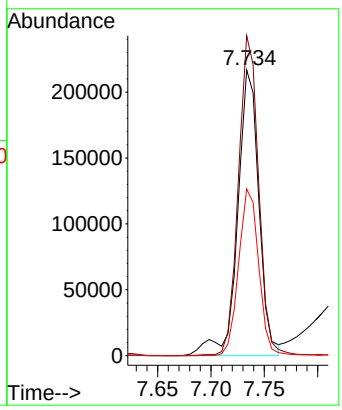




#27
2,4-Dimethylphenol
Concen: 49.969 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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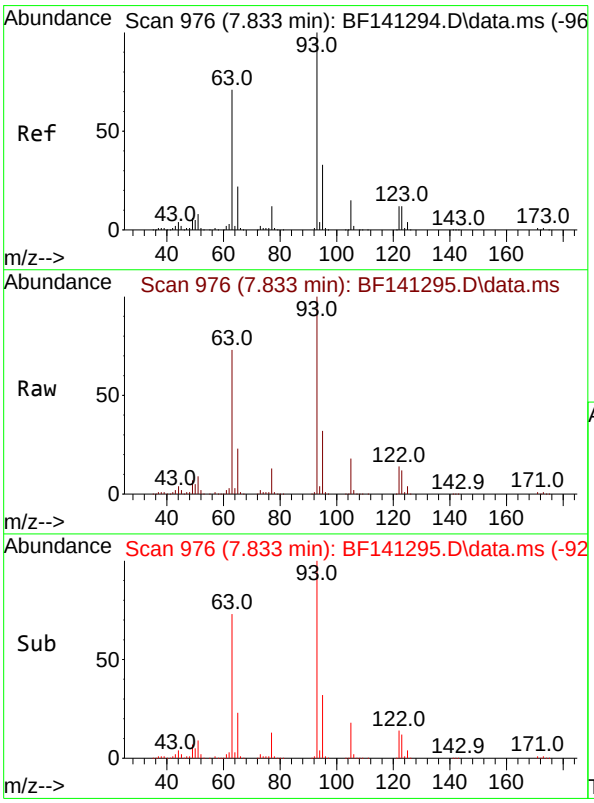
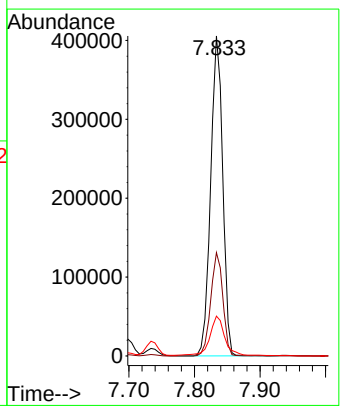
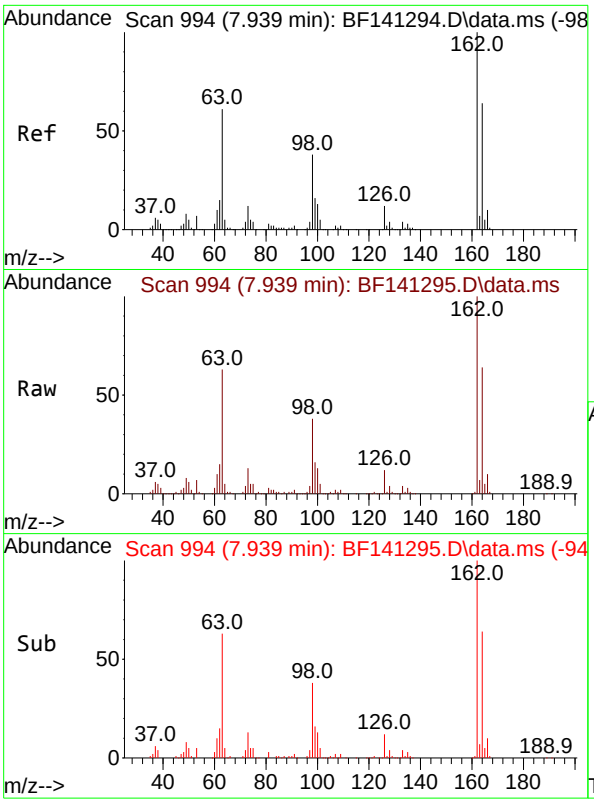


#28
bis(2-Chloroethoxy)methane
Concen: 48.701 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
SSTDICC050

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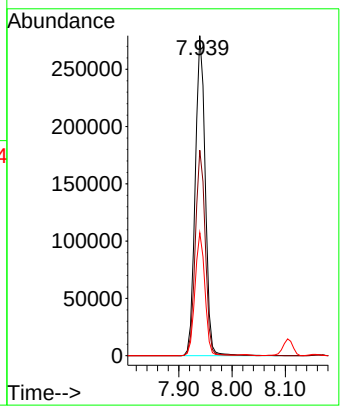
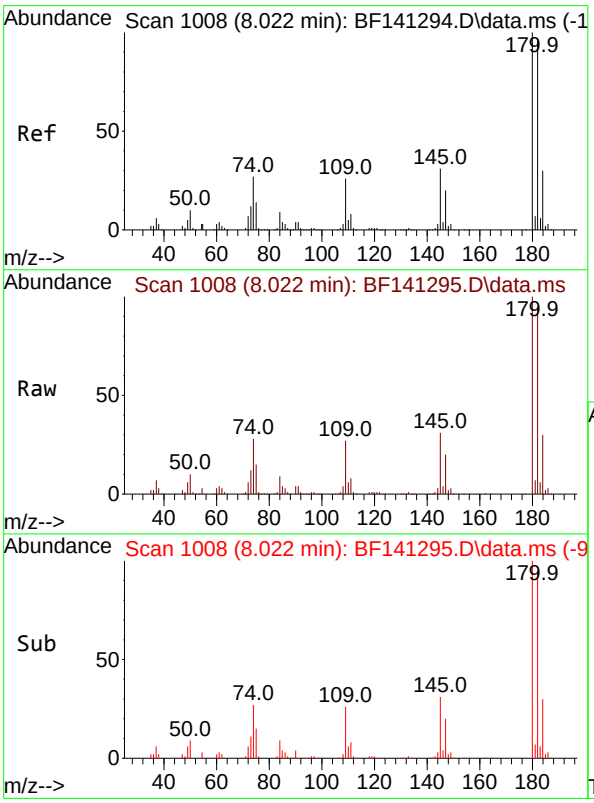
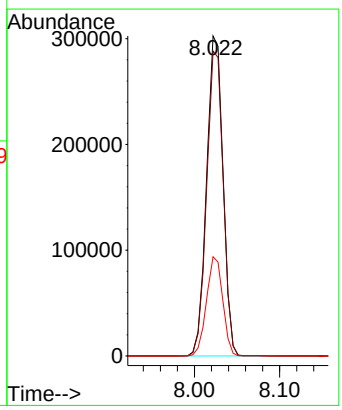


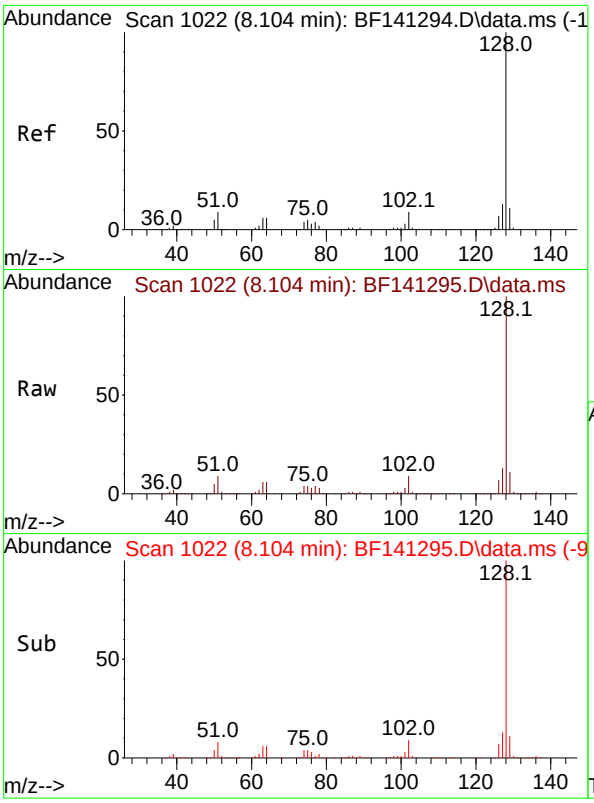


#30
1,2,4-Trichlorobenzene
Concen: 48.309 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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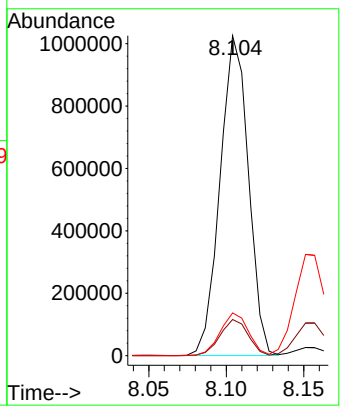
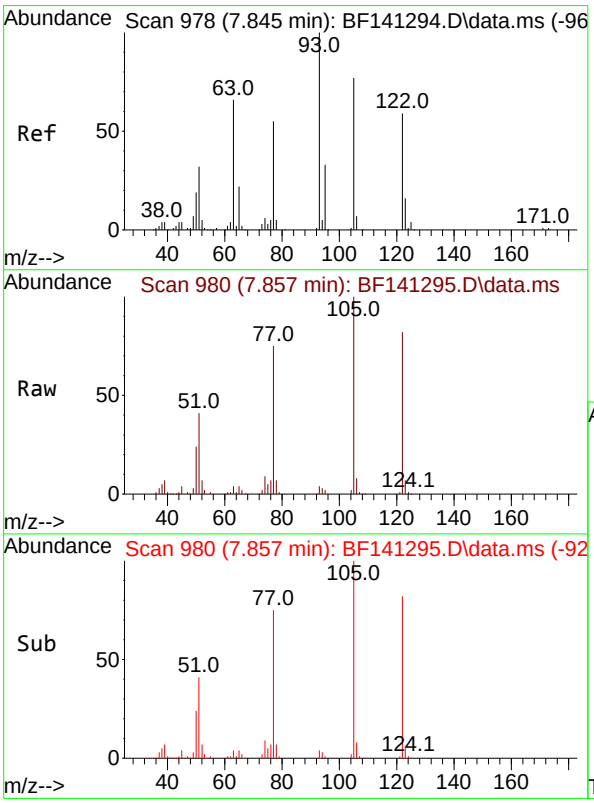
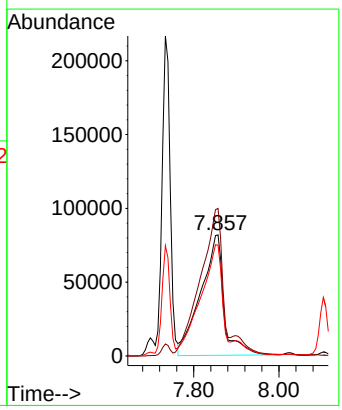


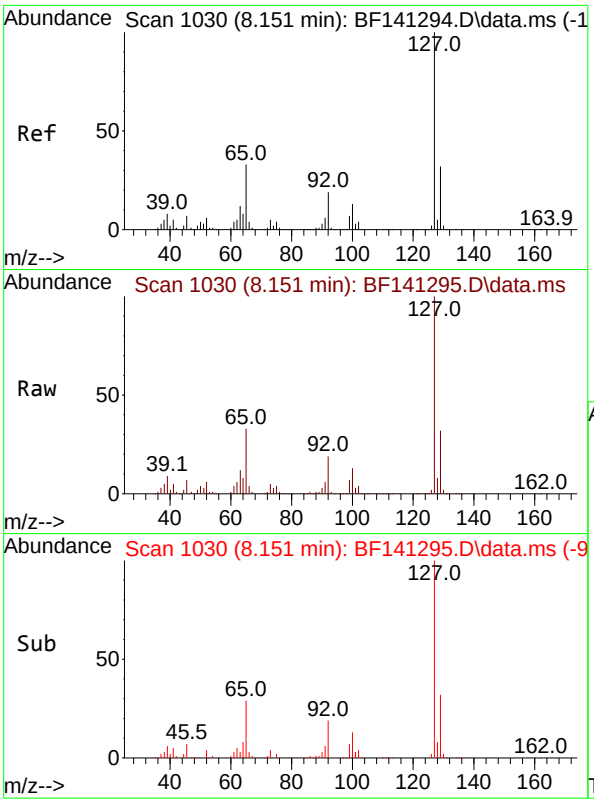


#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

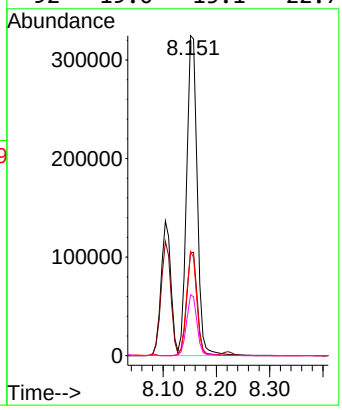




#33
4-Chloroaniline
Concen: 49.712 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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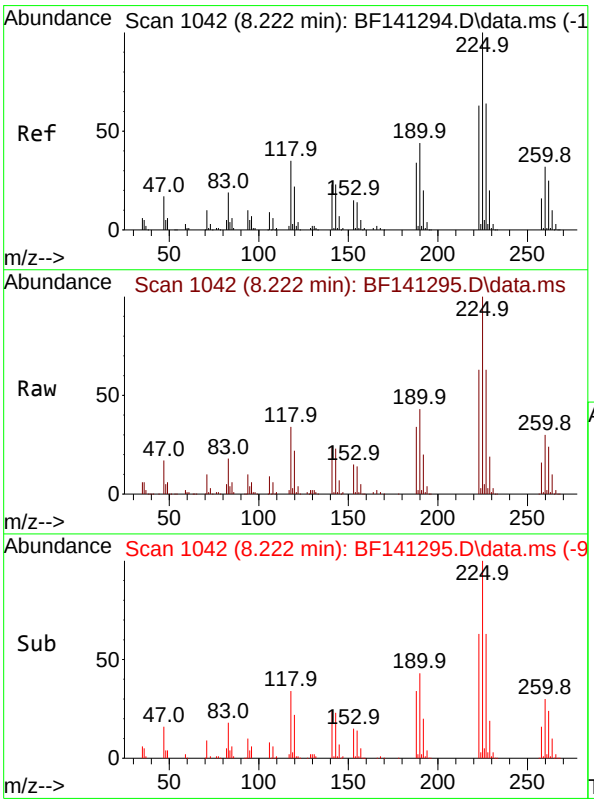
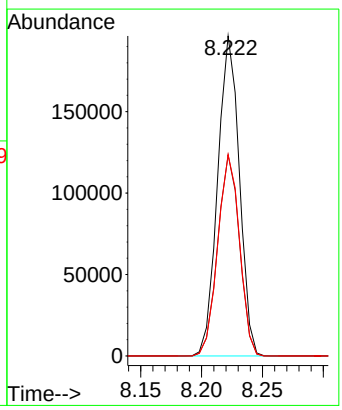
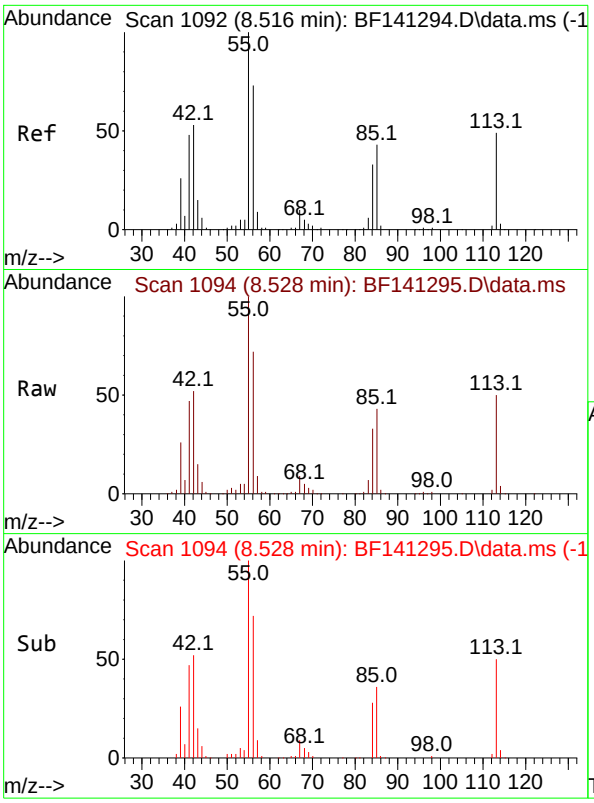


#34
Hexachlorobutadiene
Concen: 49.395 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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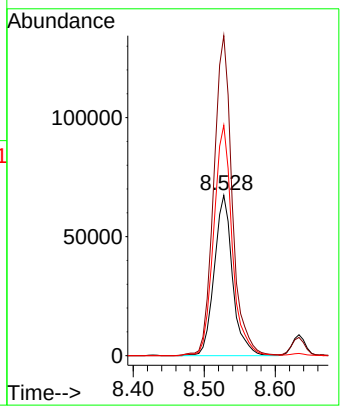
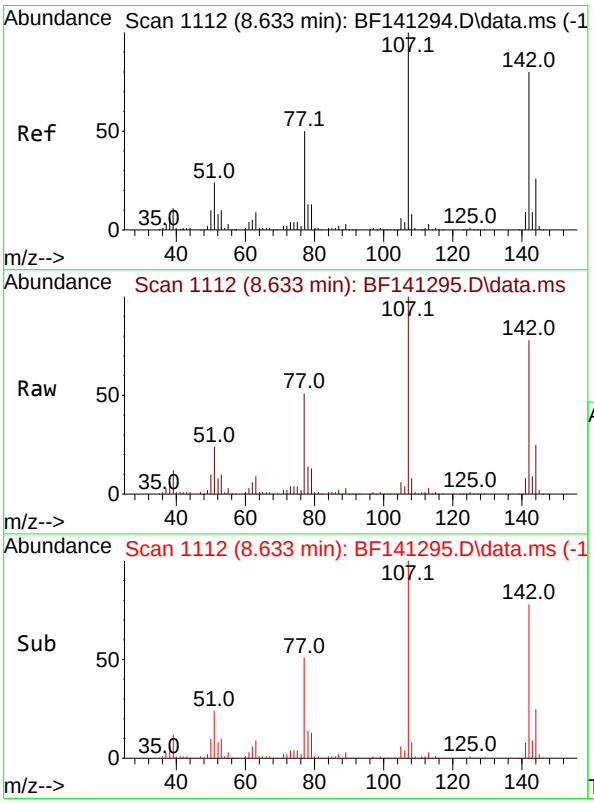
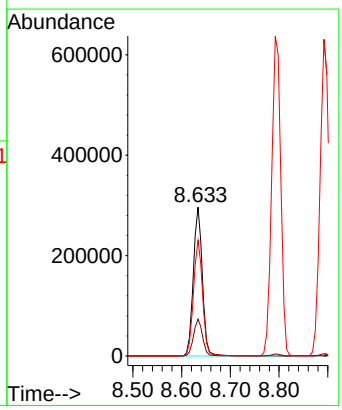


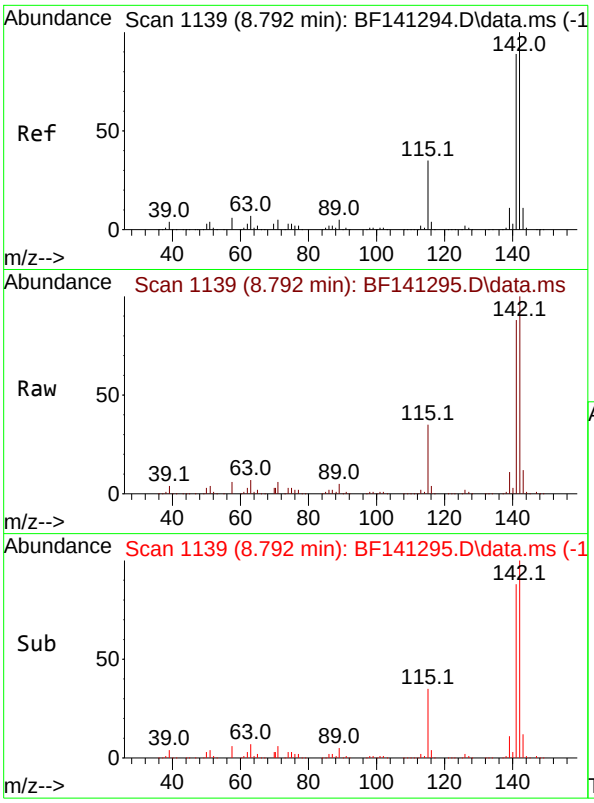


#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
SSTDICC050

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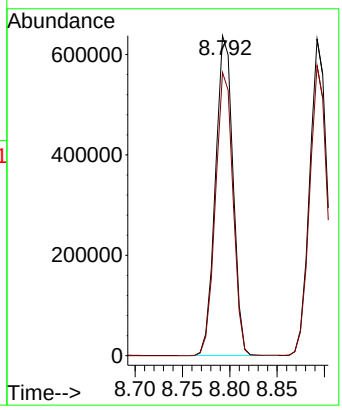
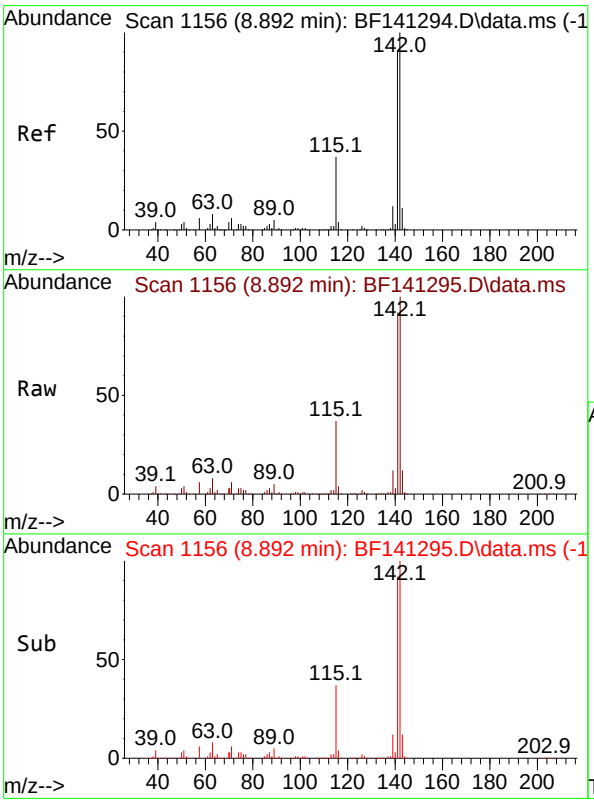
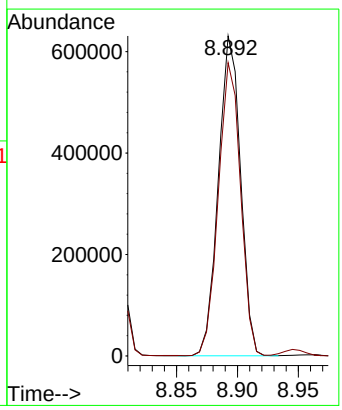


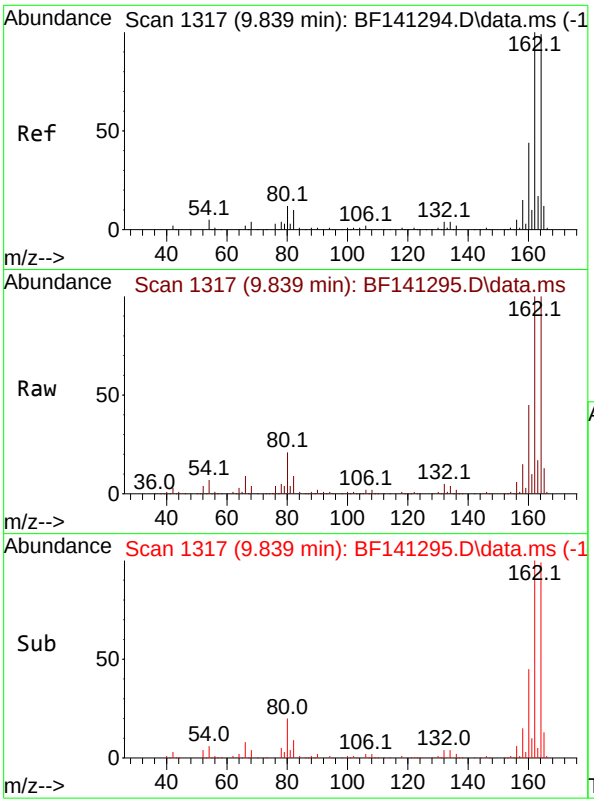


#38
1-Methylnaphthalene
Concen: 47.586 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 799136

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.2	109.8

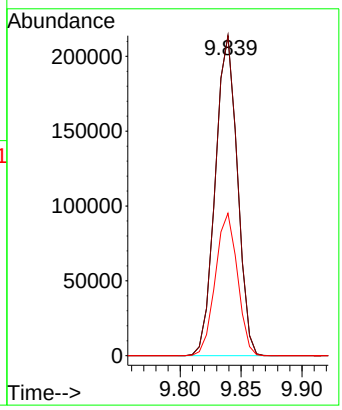




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
SSTDICC050

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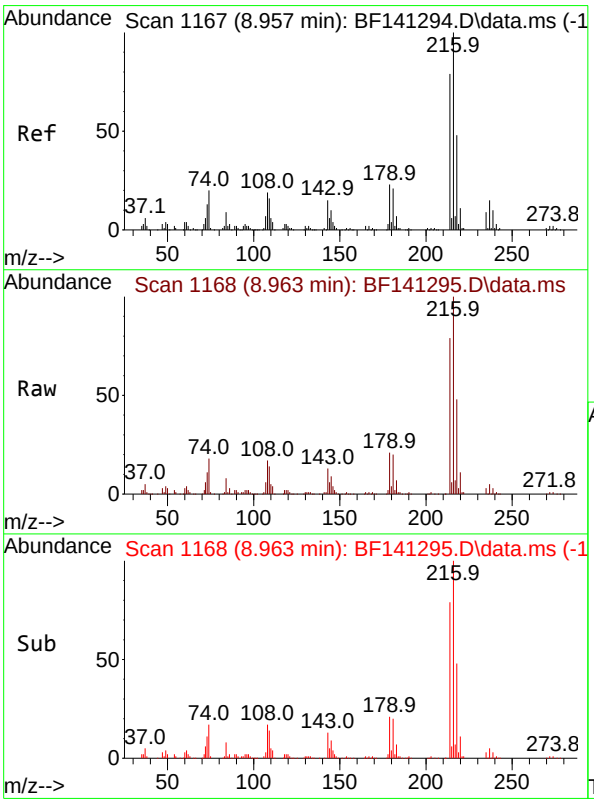
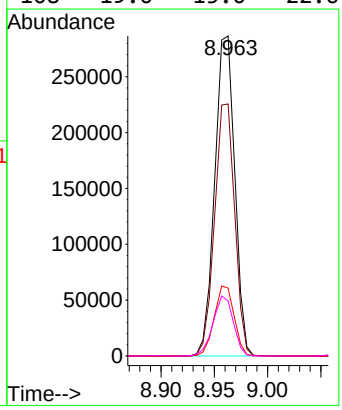
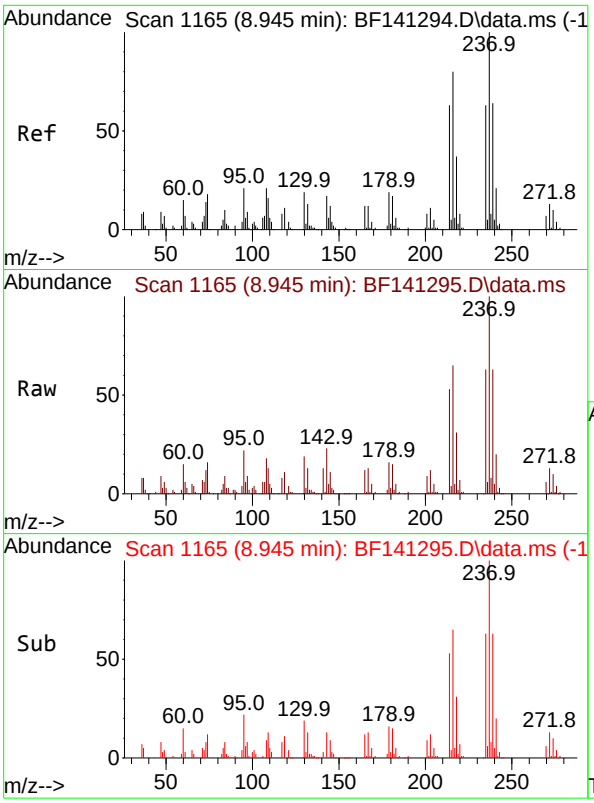


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.774 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

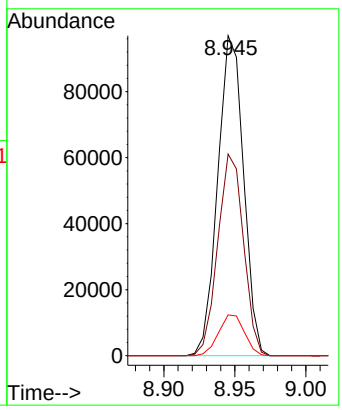




#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
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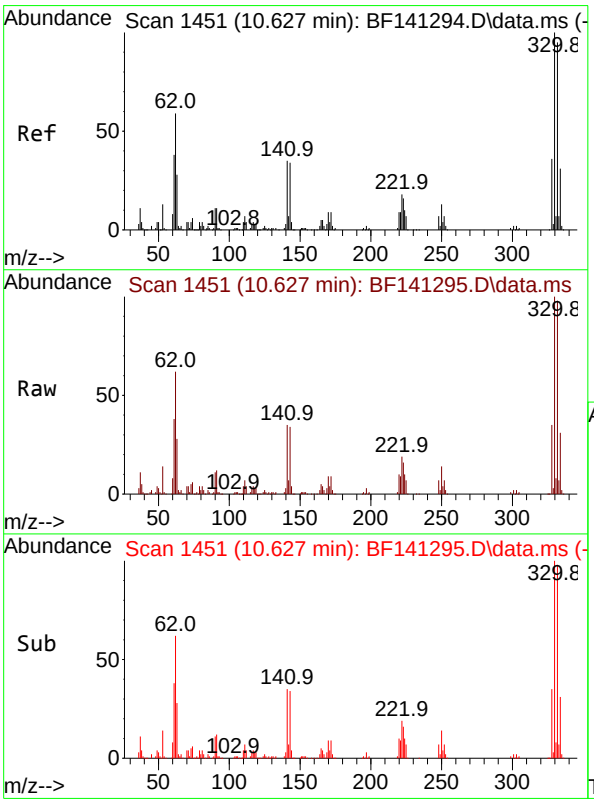
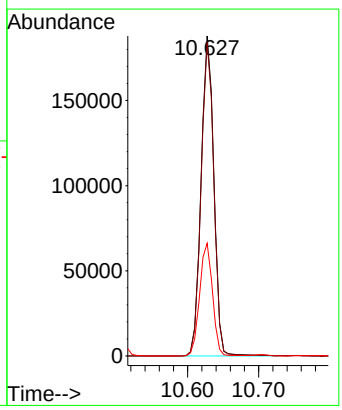
Supervised By :mohammad ahmed 02/04/2025

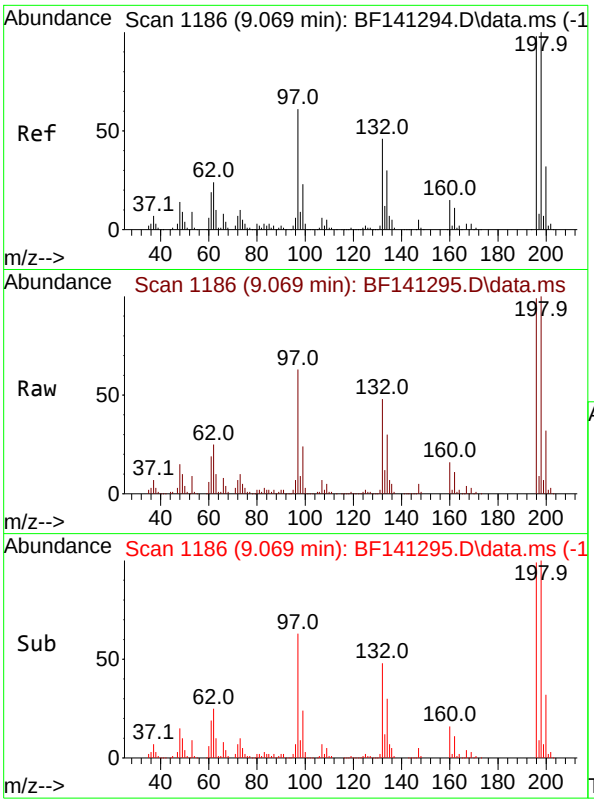


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

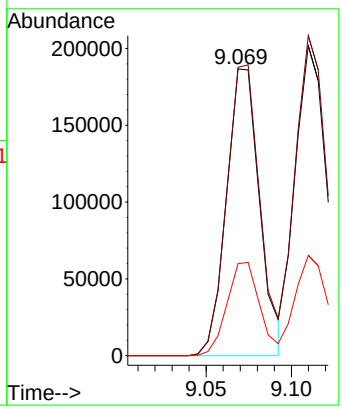




#43
2,4,6-Trichlorophenol
Concen: 50.545 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
SSTDICC050

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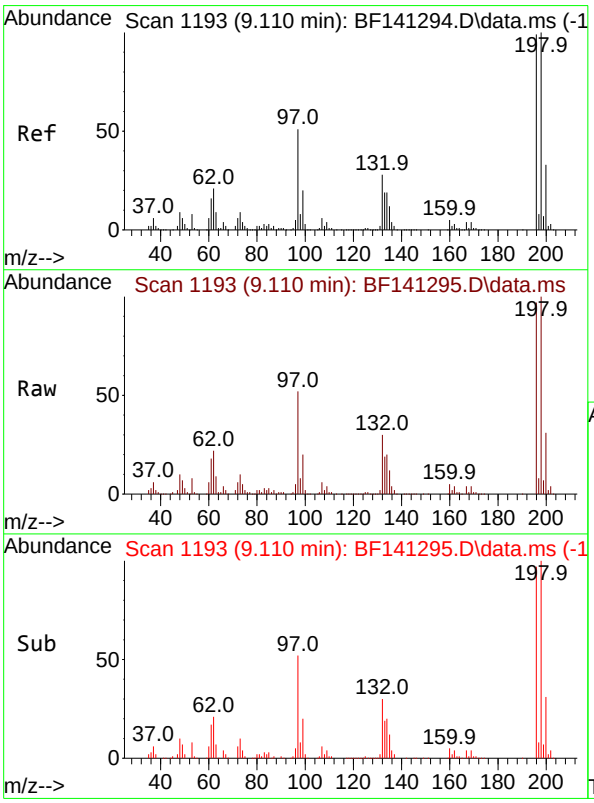
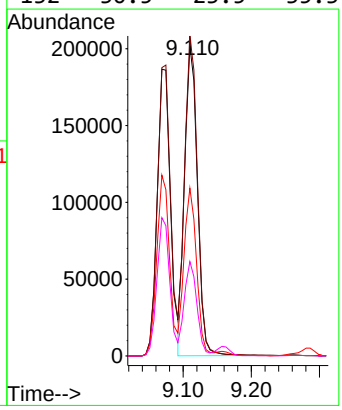
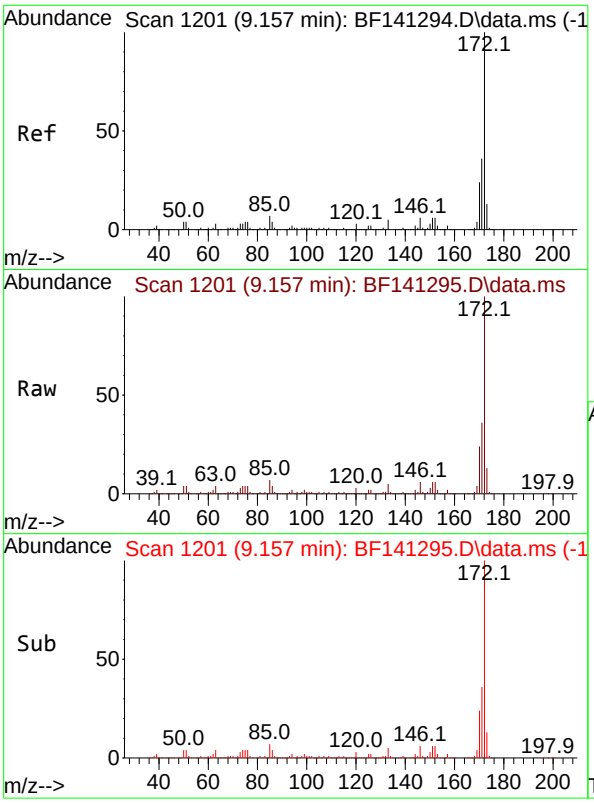


#44
2,4,5-Trichlorophenol
Concen: 48.438 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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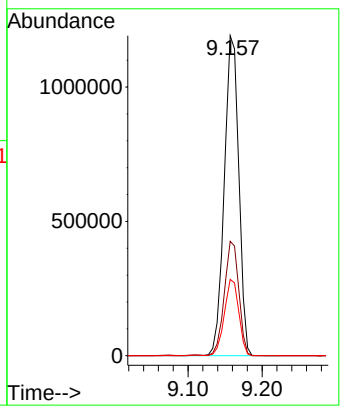
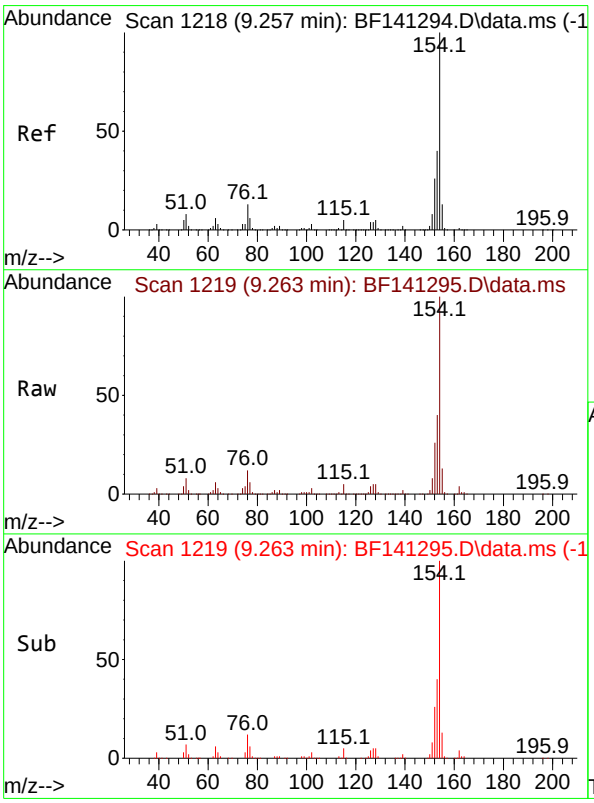
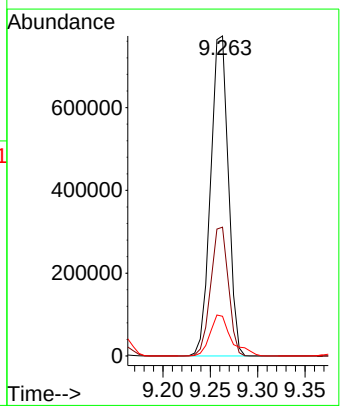


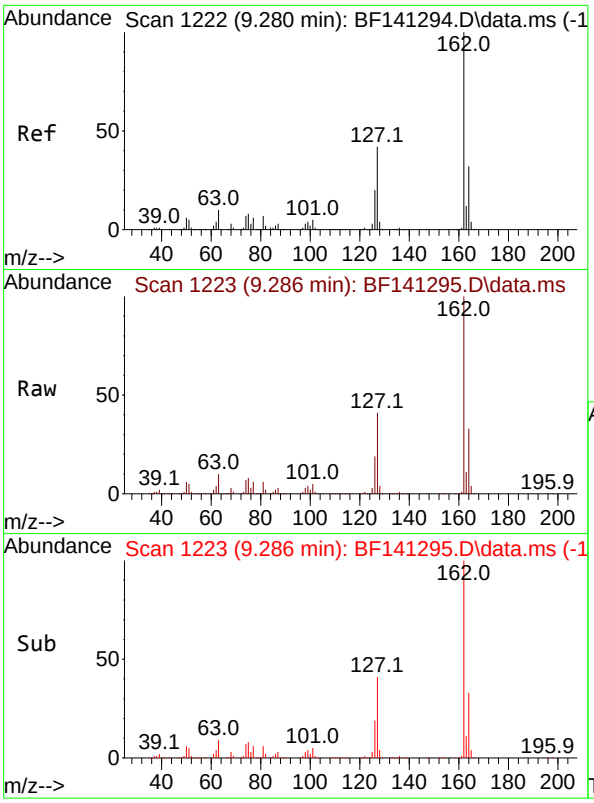


#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

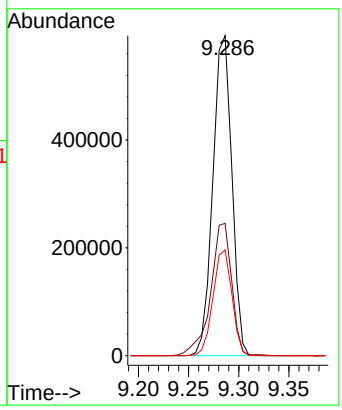




#47
2-Chloronaphthalene
Concen: 47.835 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
SSTDICC050

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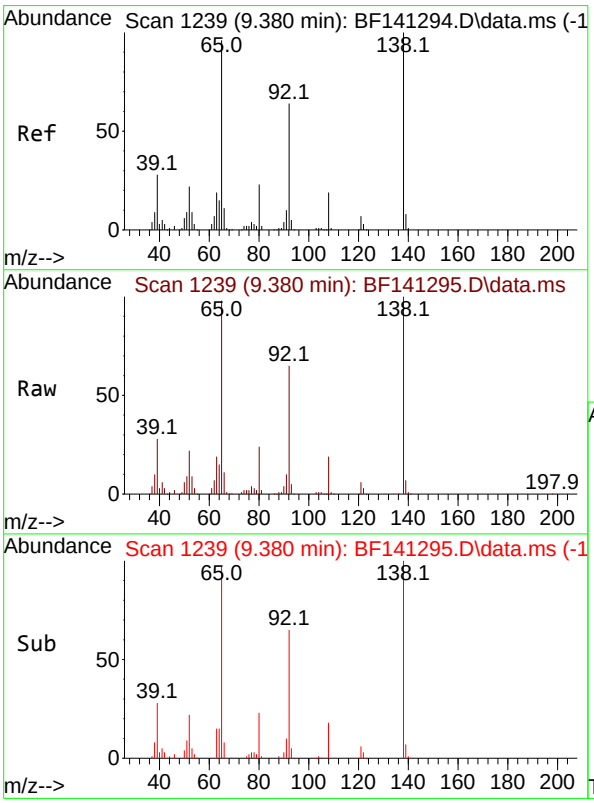
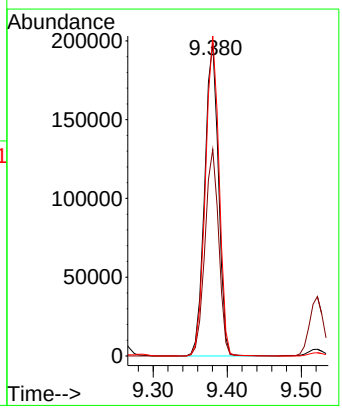
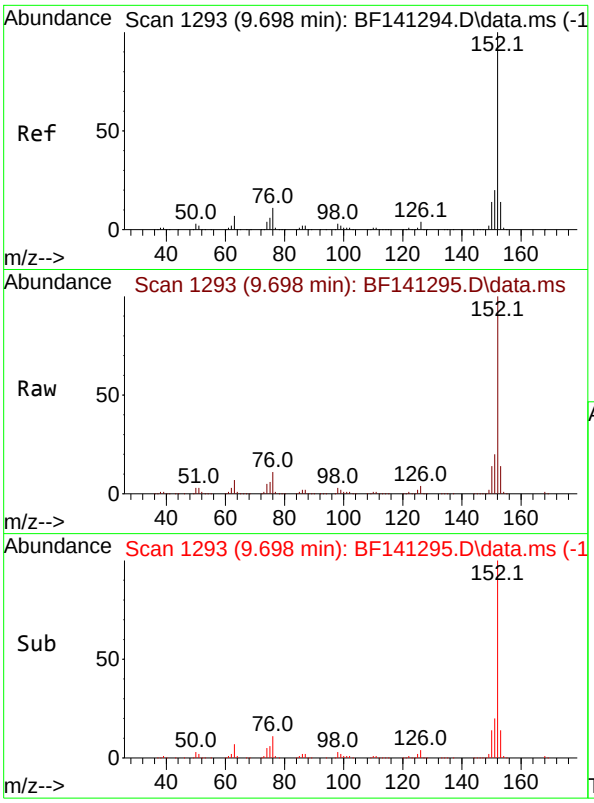


#48
2-Nitroaniline
Concen: 49.907 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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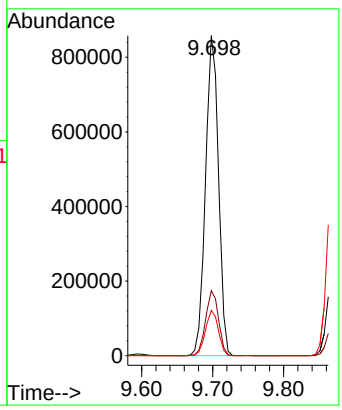
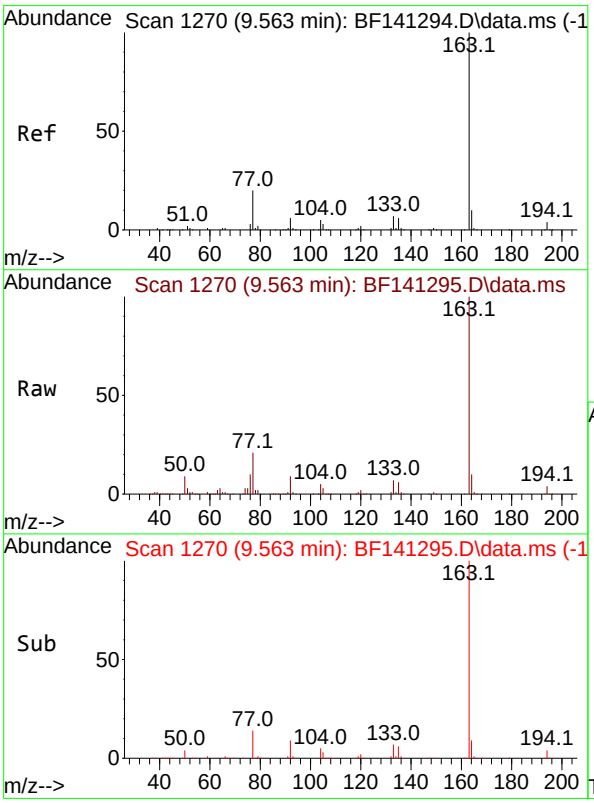
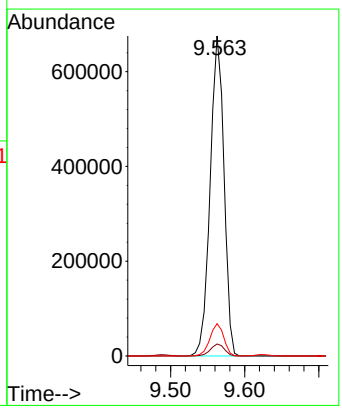


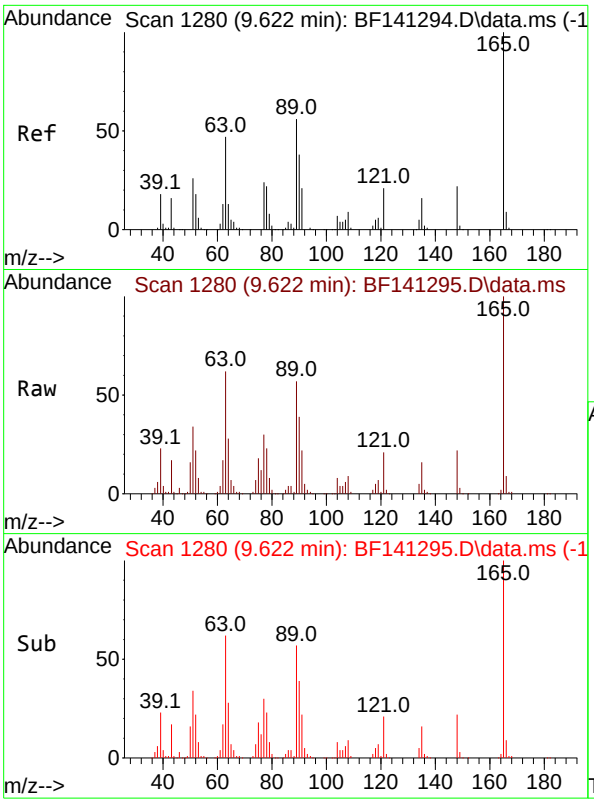


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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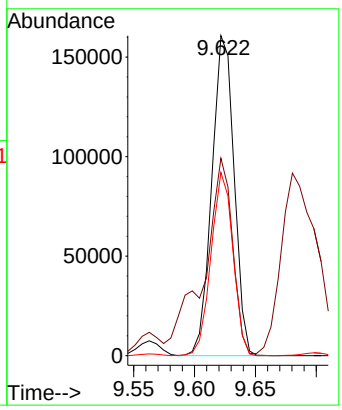
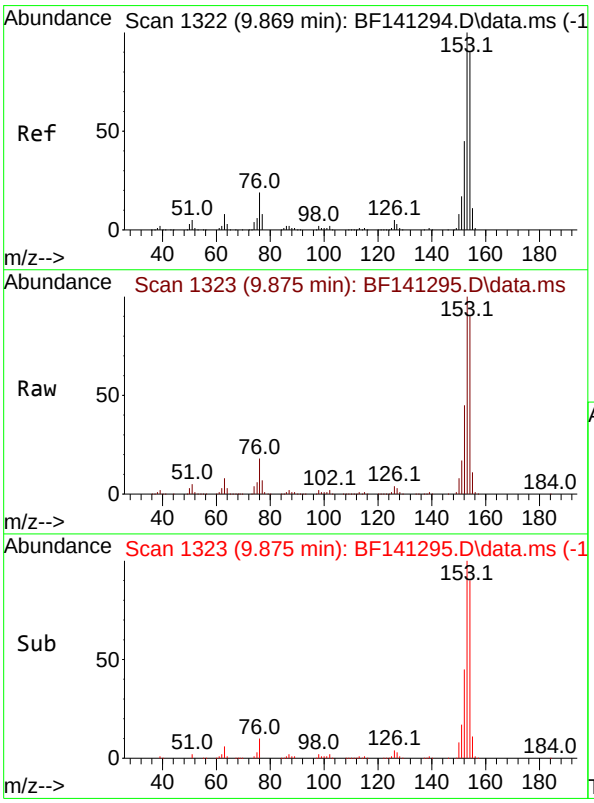
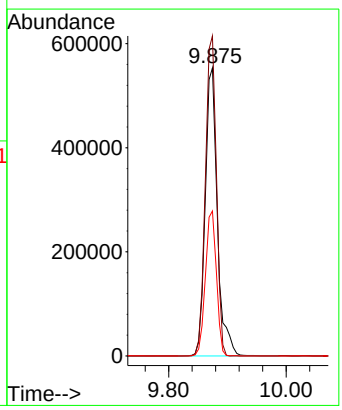


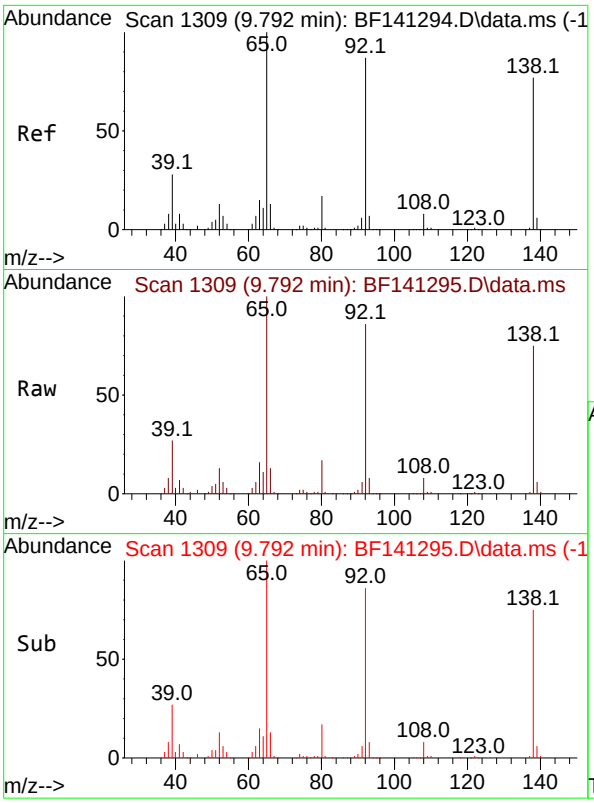


#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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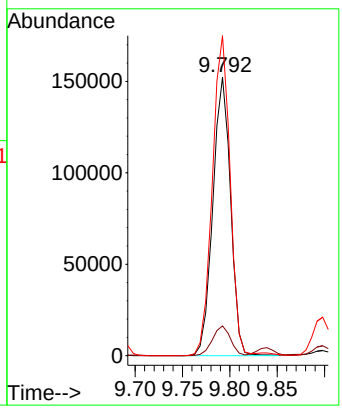
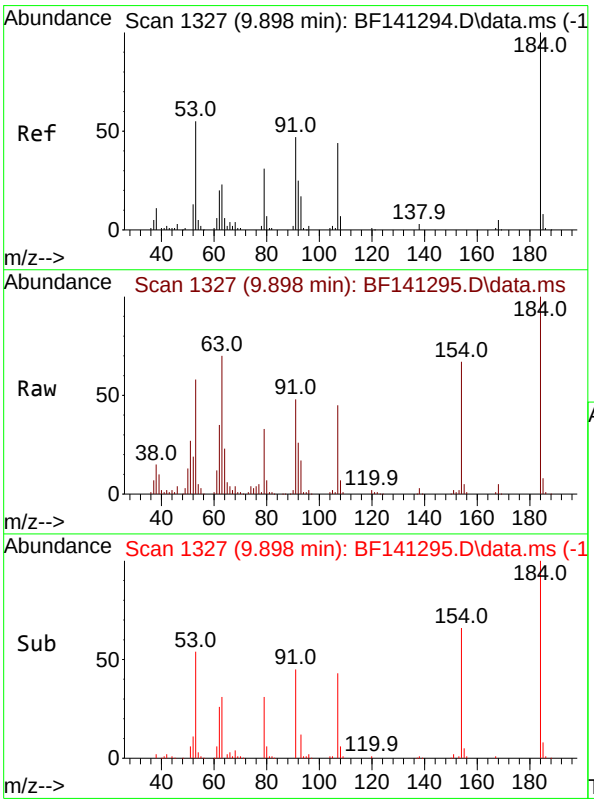
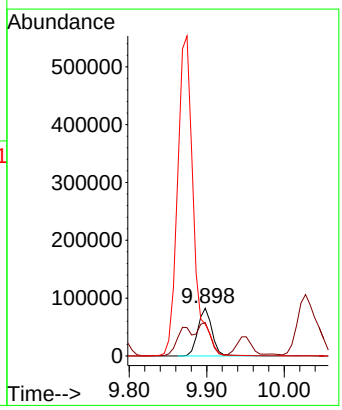


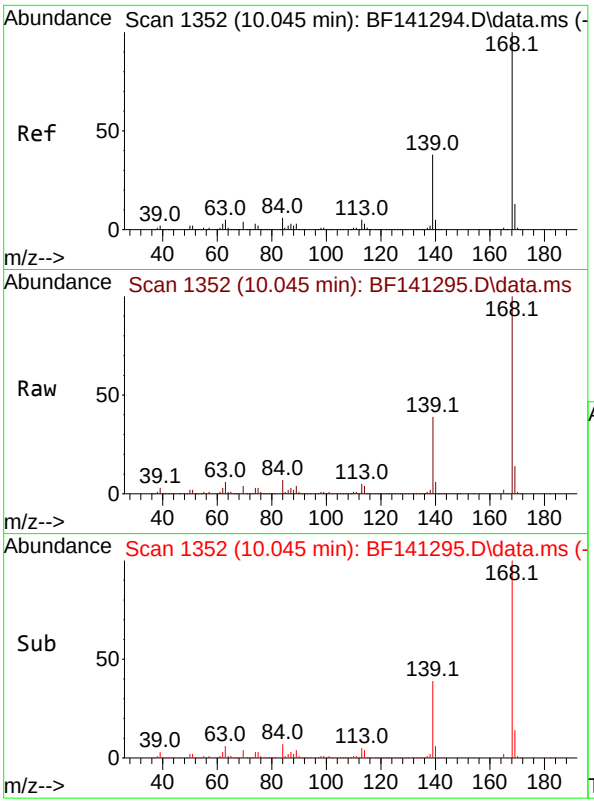


#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
SSTDICC050

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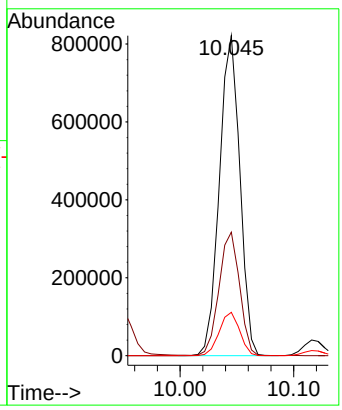
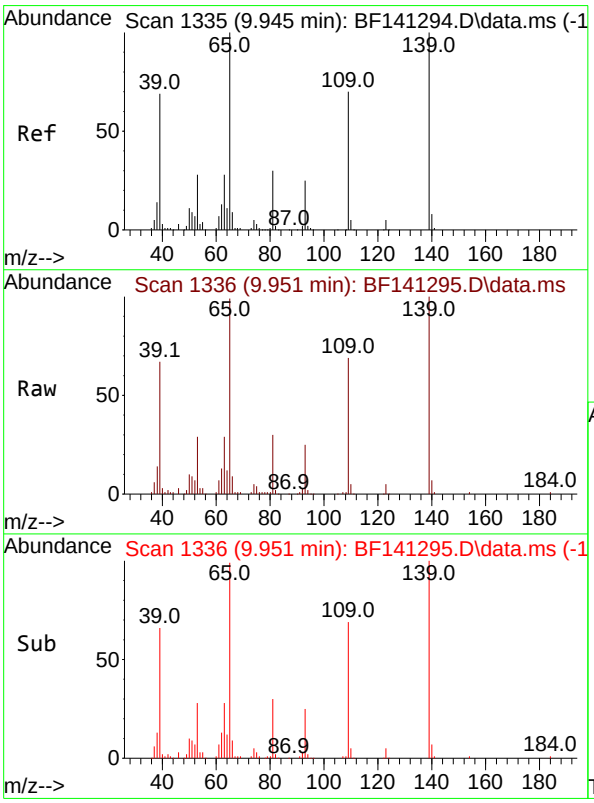
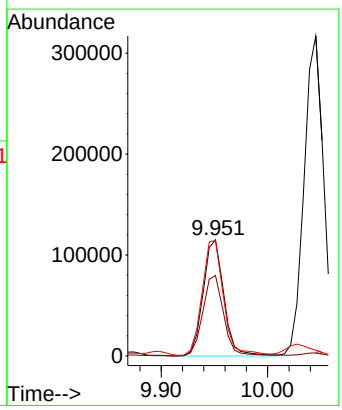


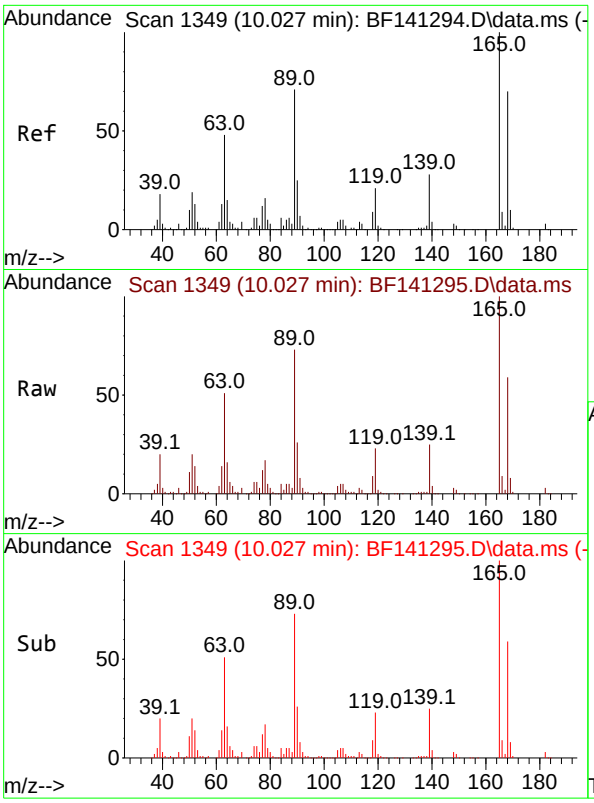


#56
4-Nitrophenol
Concen: 52.067 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

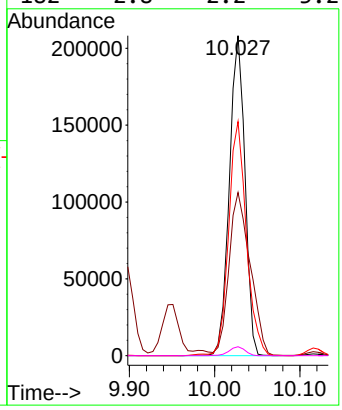




#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
SSTDICC050

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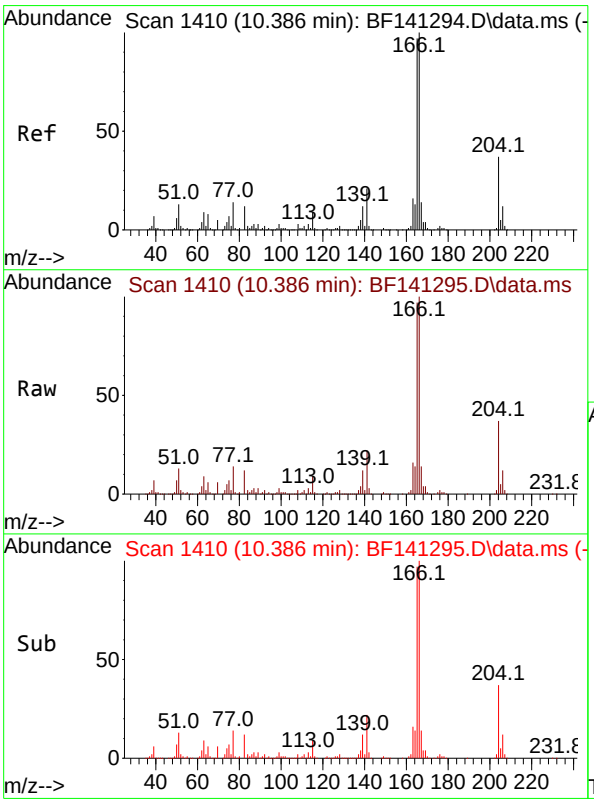
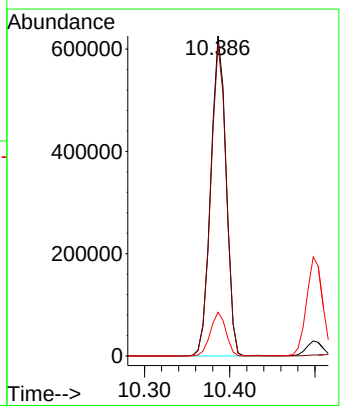
Supervised By :mohammad ahmed 02/04/2025

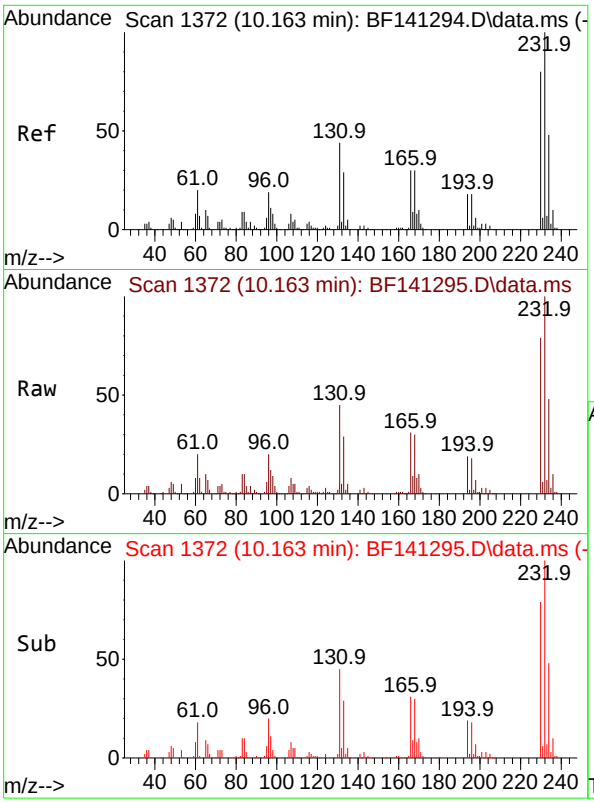


#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

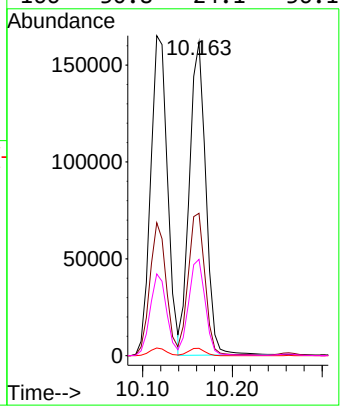




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
BNA_F
ClientSampleId :
SSTDICC050

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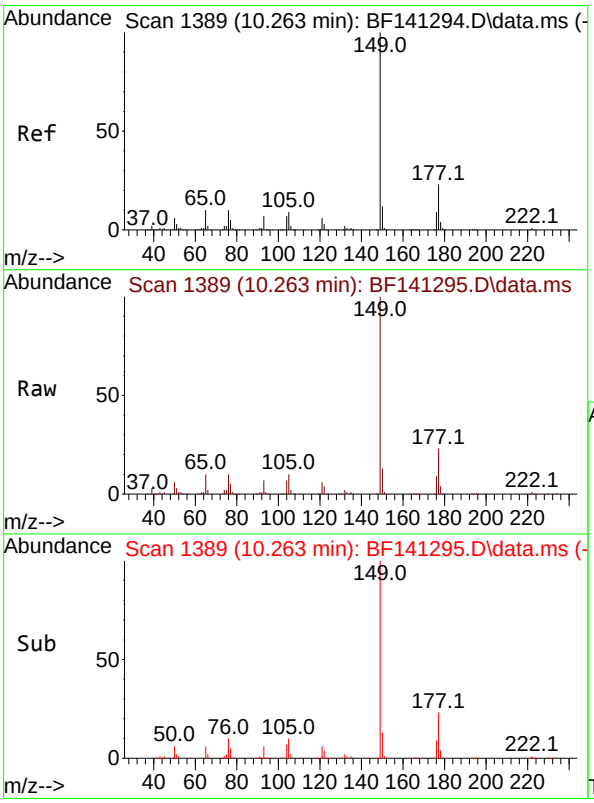
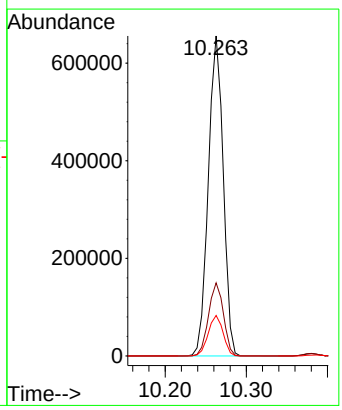
Supervised By :mohammad ahmed 02/04/2025

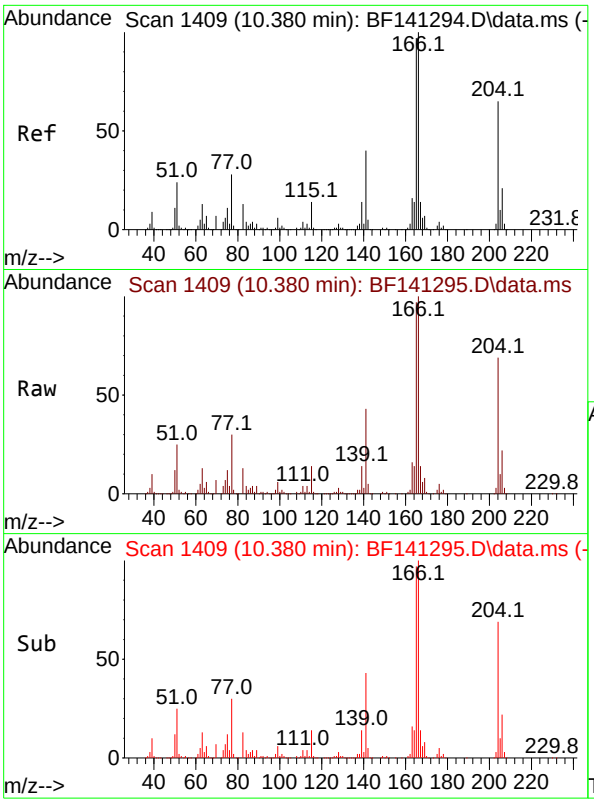


#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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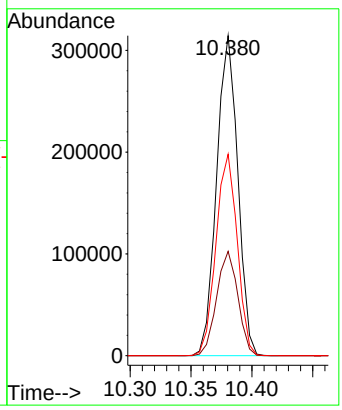
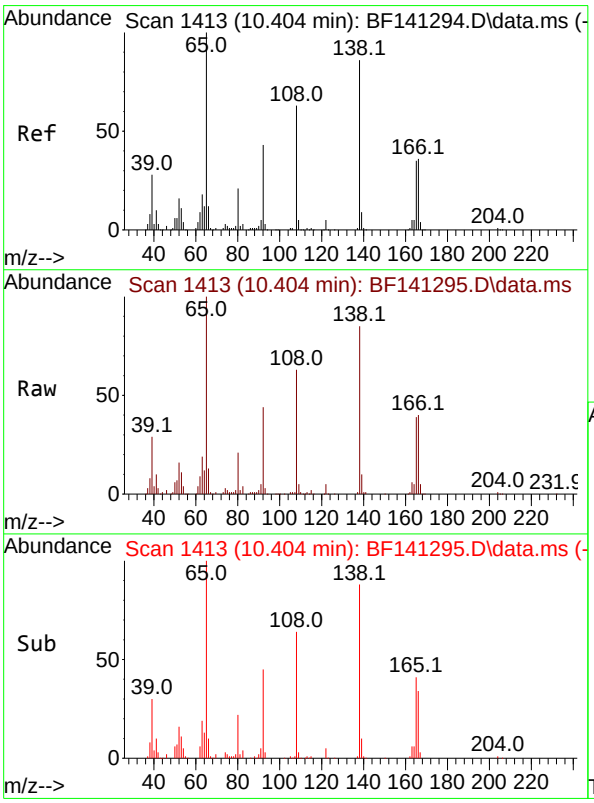
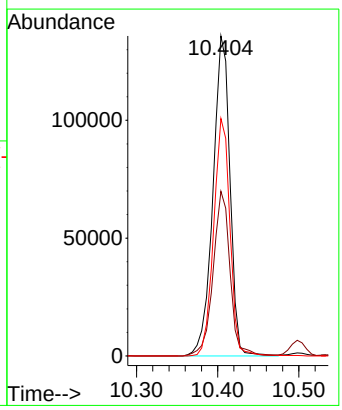


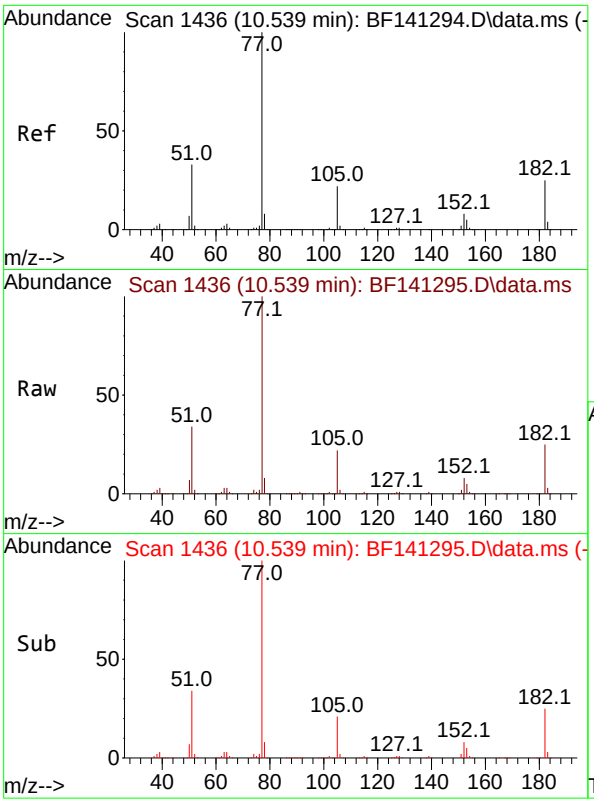


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

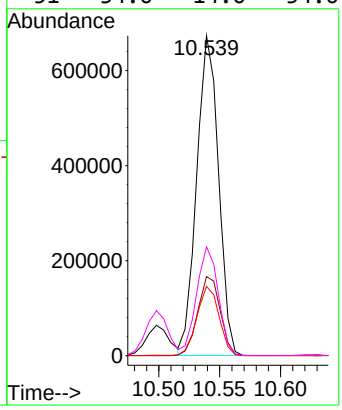




#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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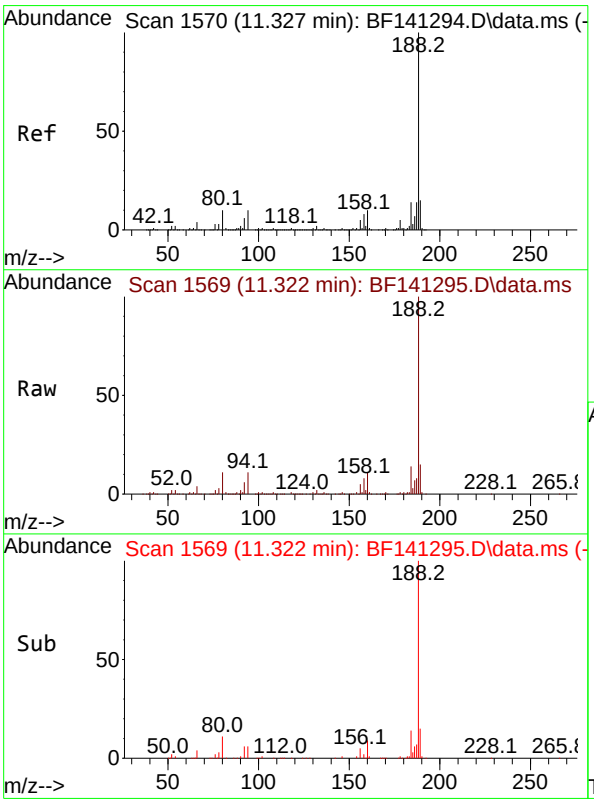
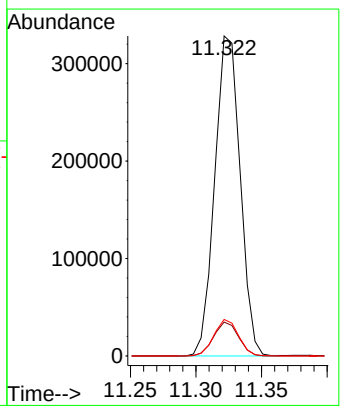
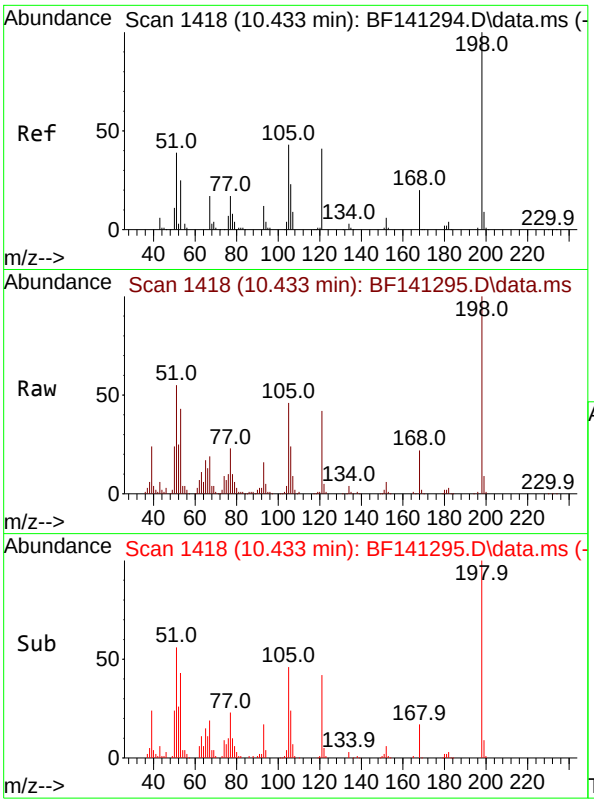


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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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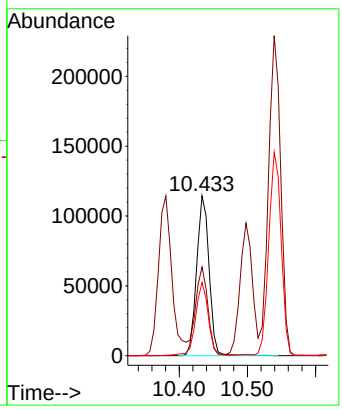
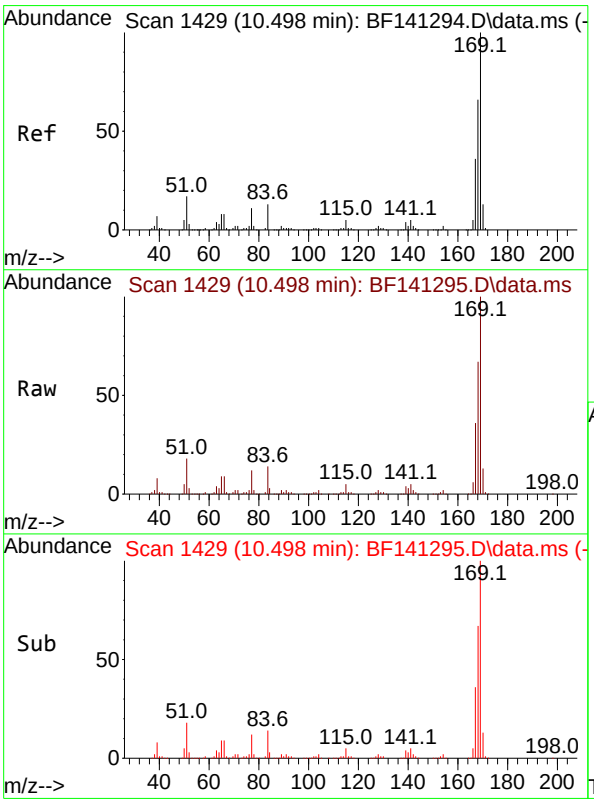
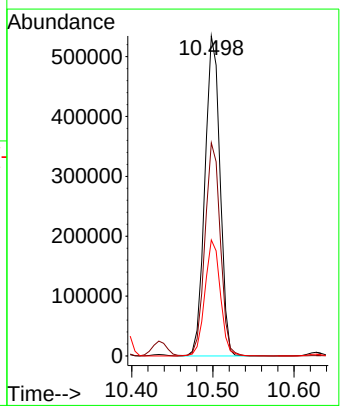


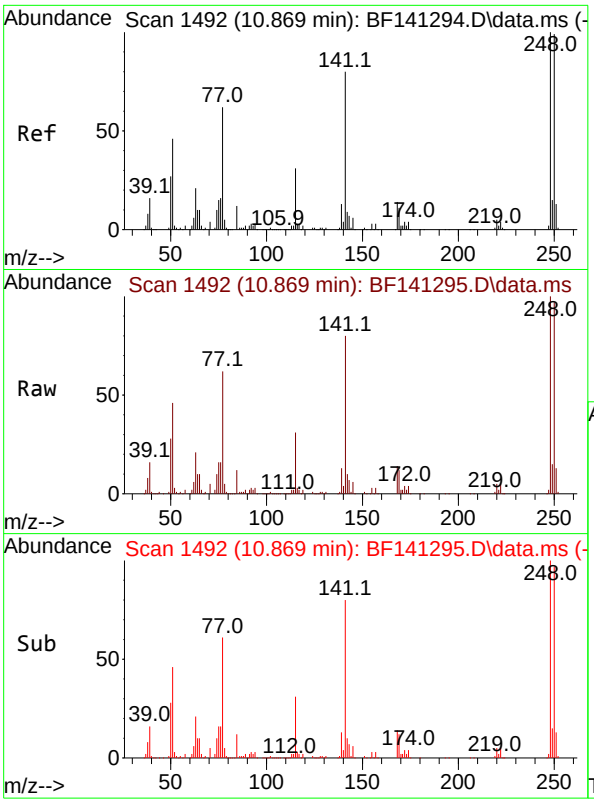


#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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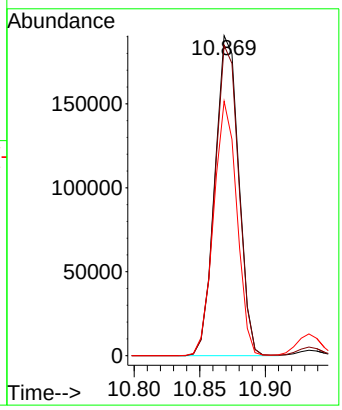
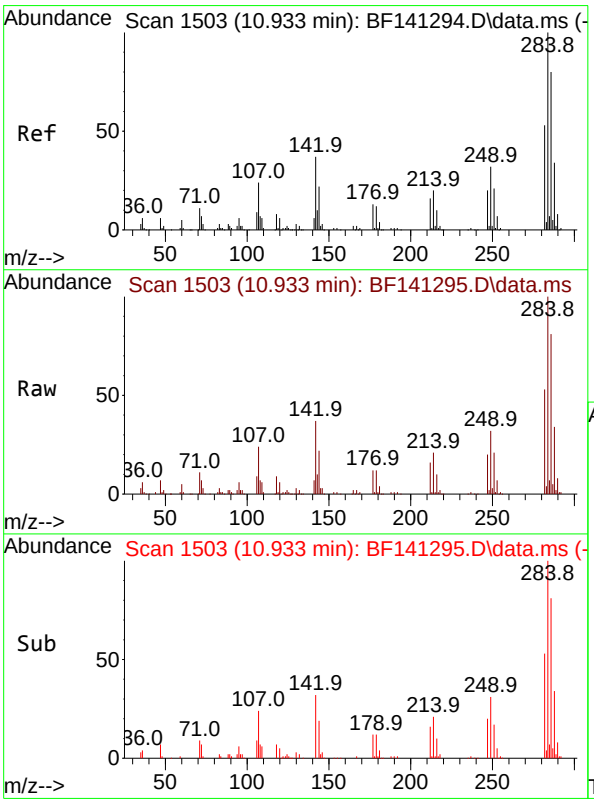
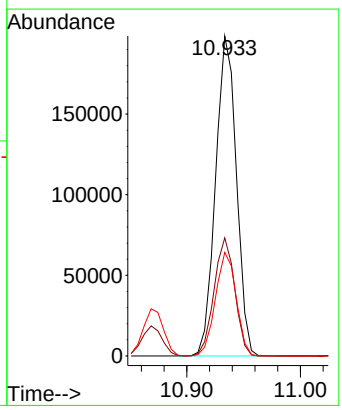


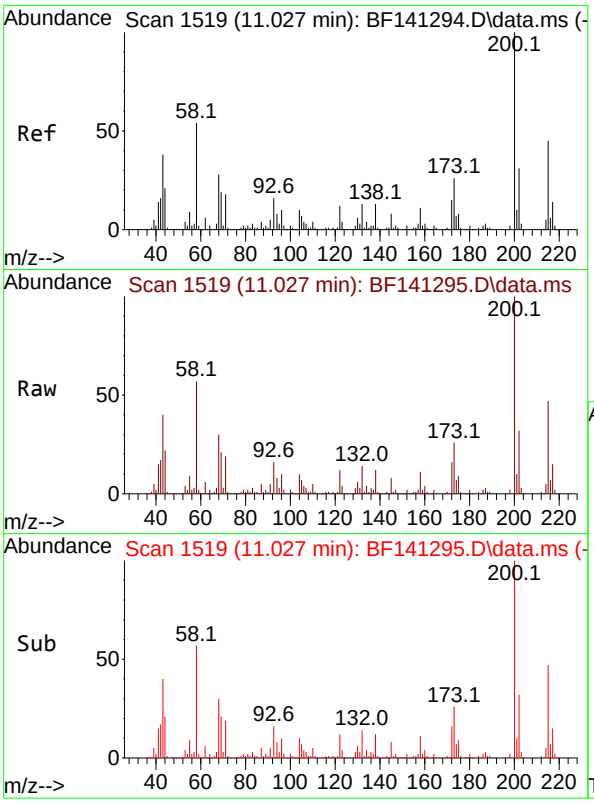


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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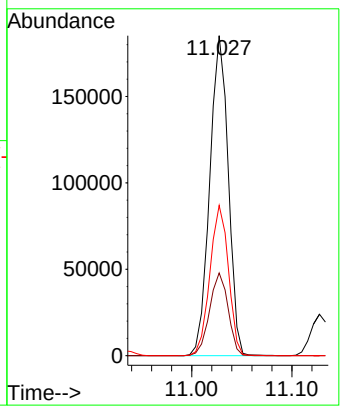
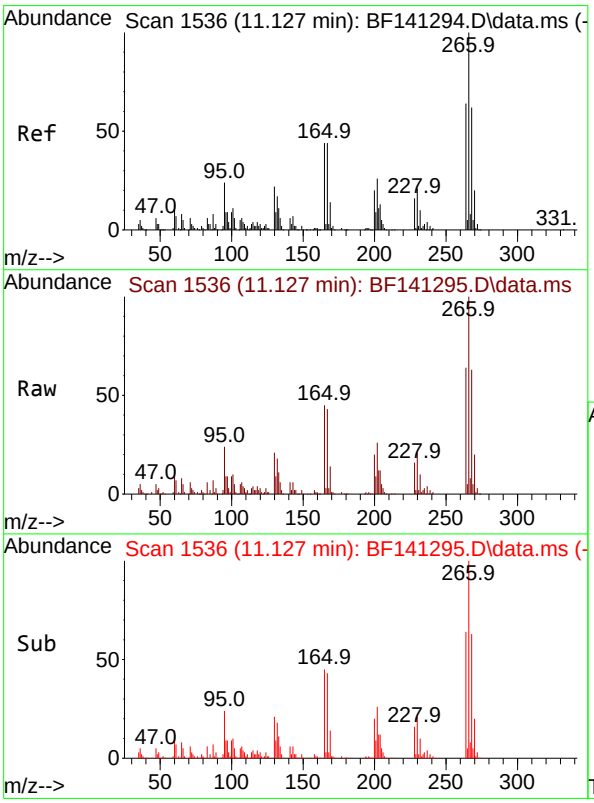
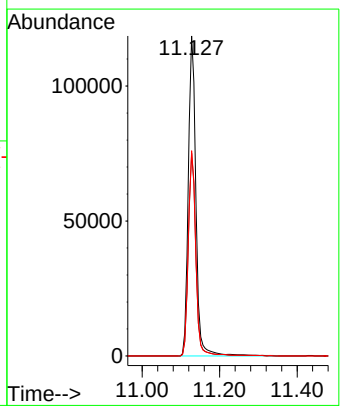


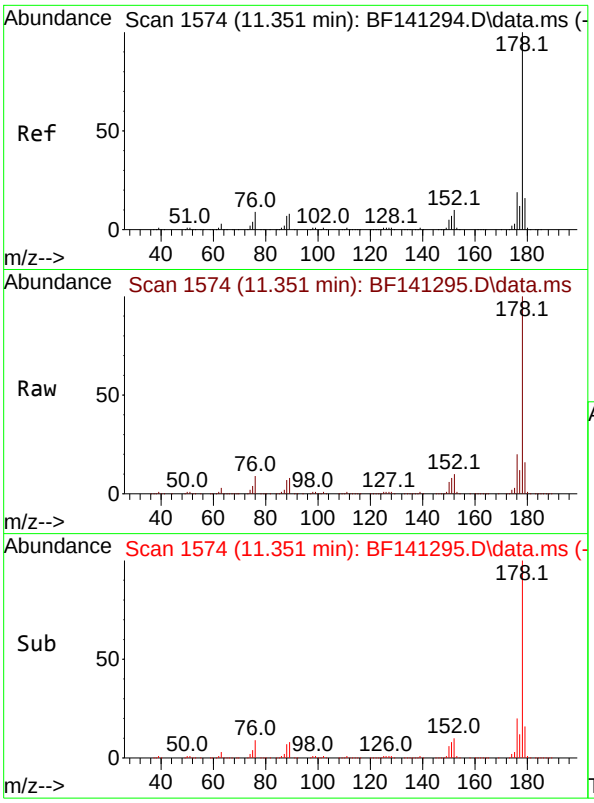


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

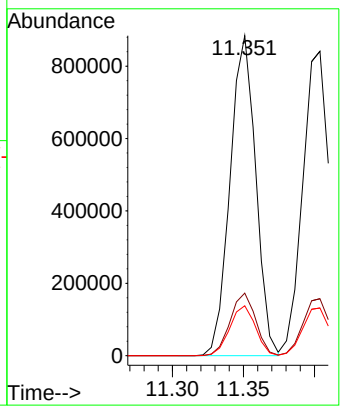




#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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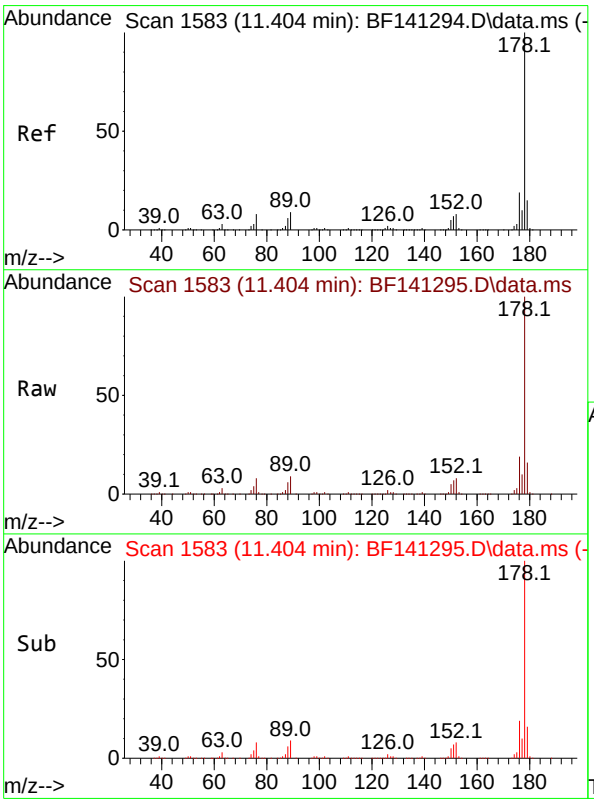
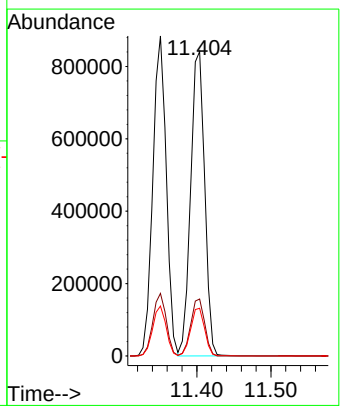
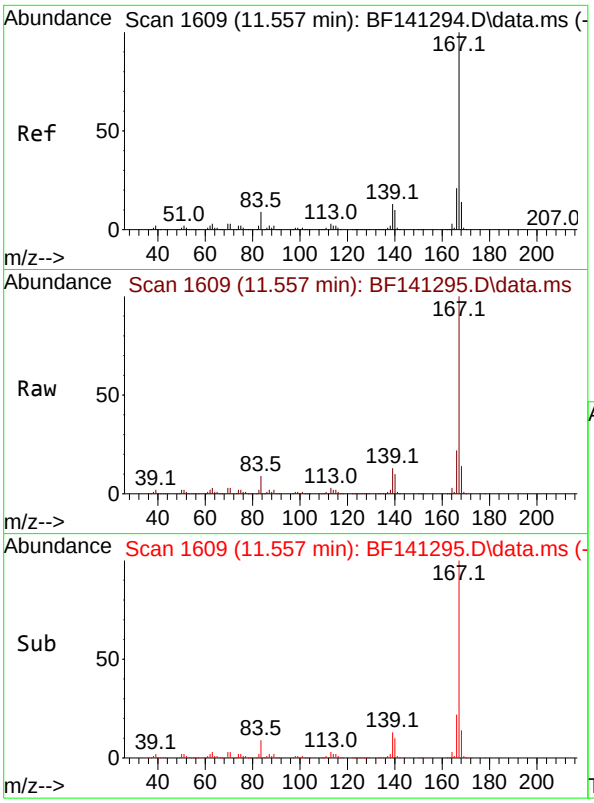


#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

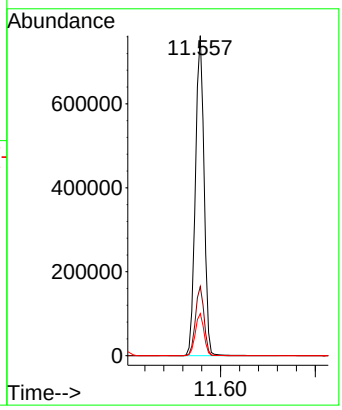




#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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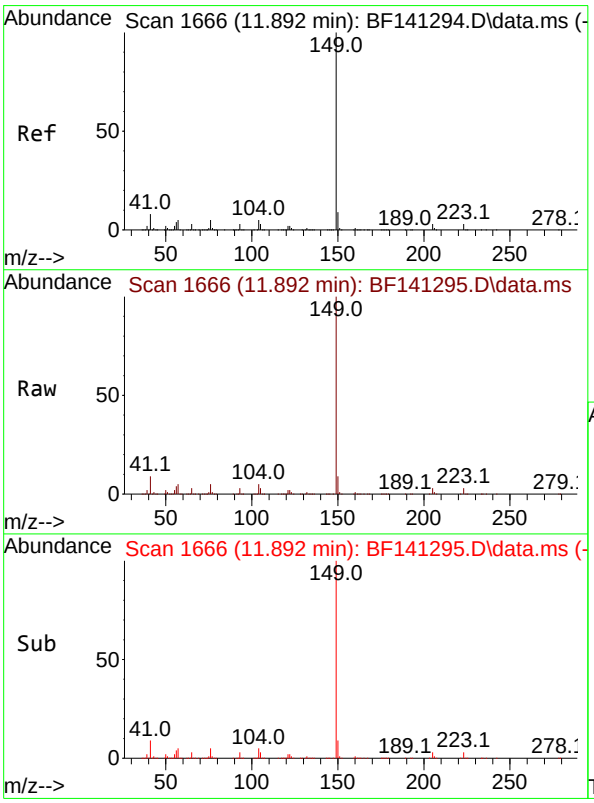
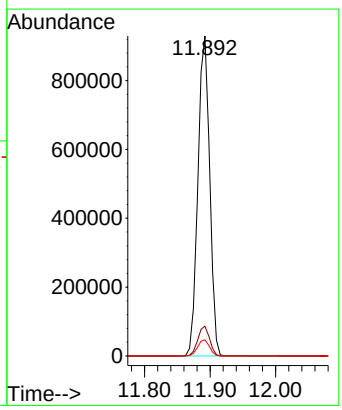
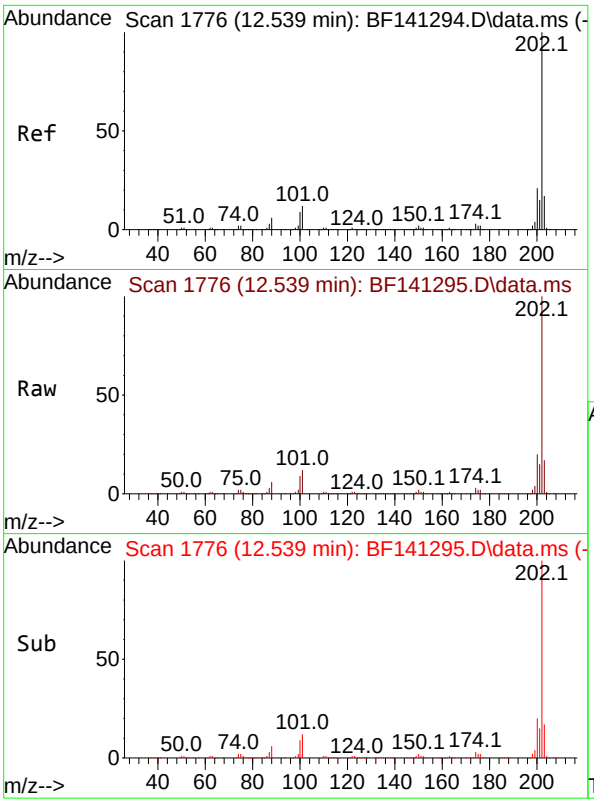


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

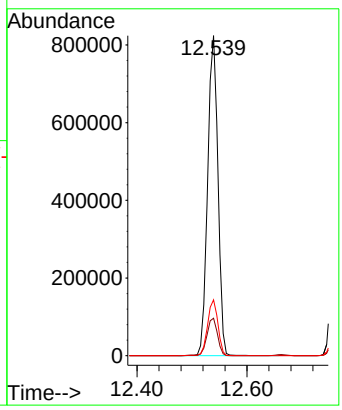




#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
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ClientSampleId :
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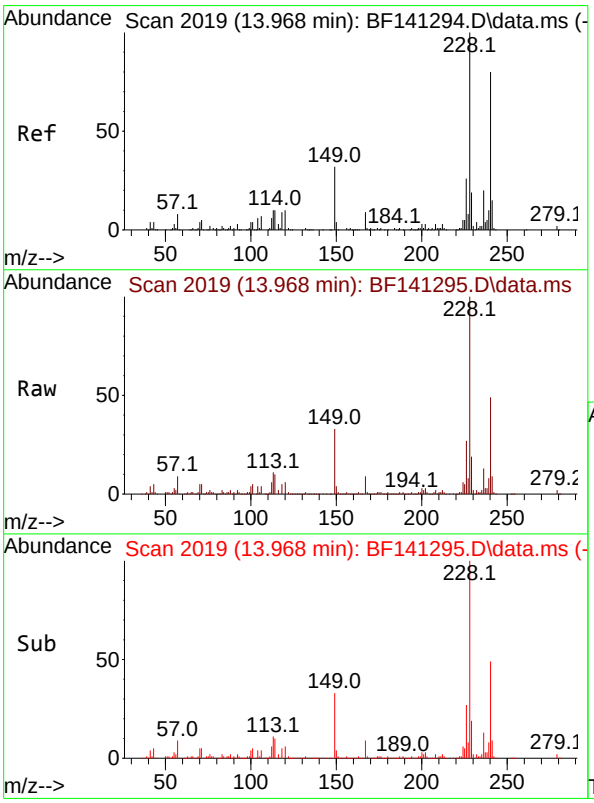
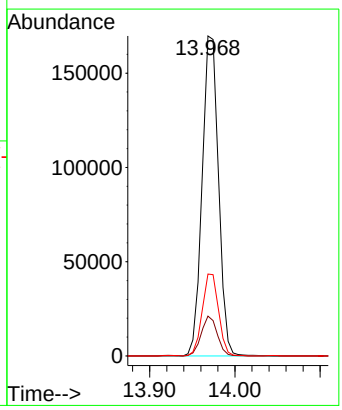
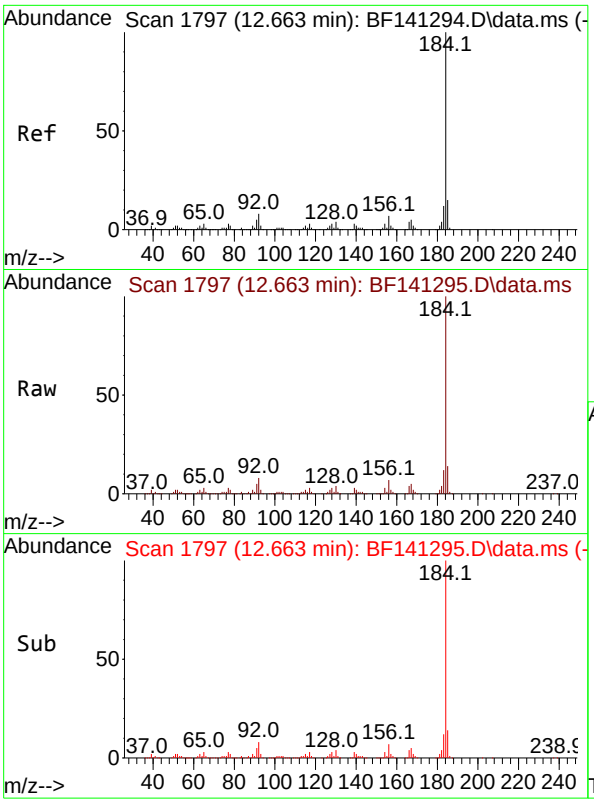


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

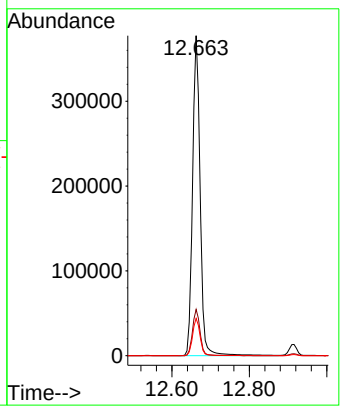




#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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 :
SSTDICC050

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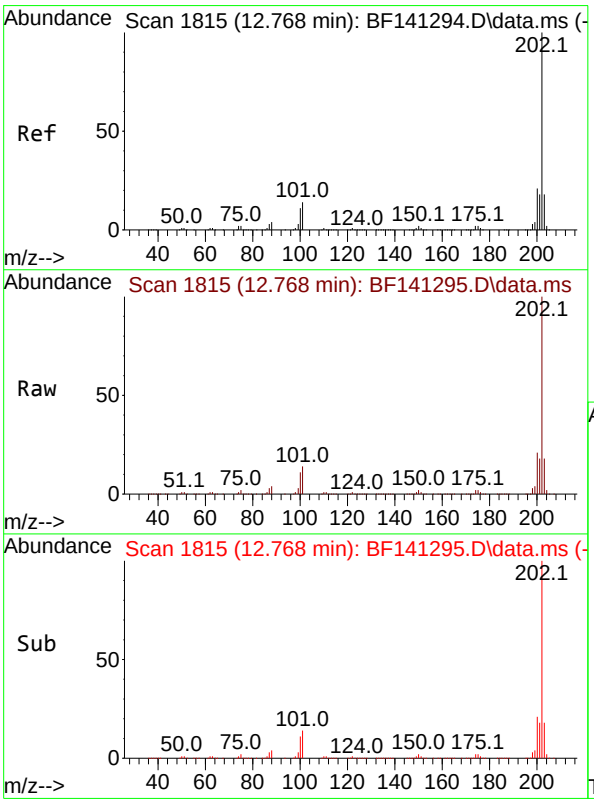
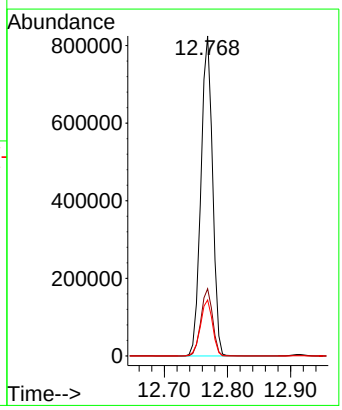
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

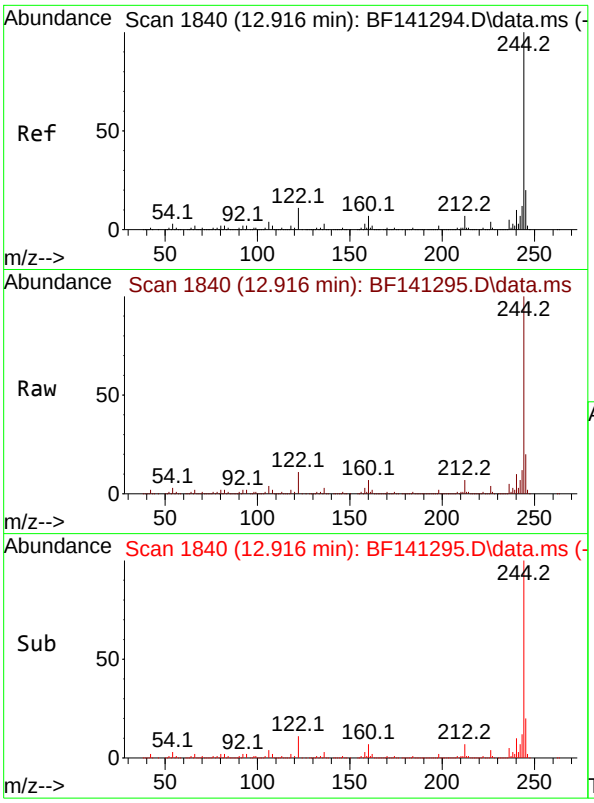


#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

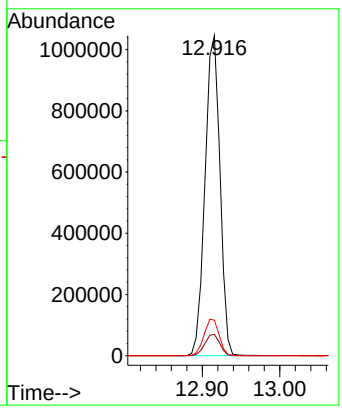




#79
Terphenyl-d14
Concen: 95.222 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:244 Resp: 140210

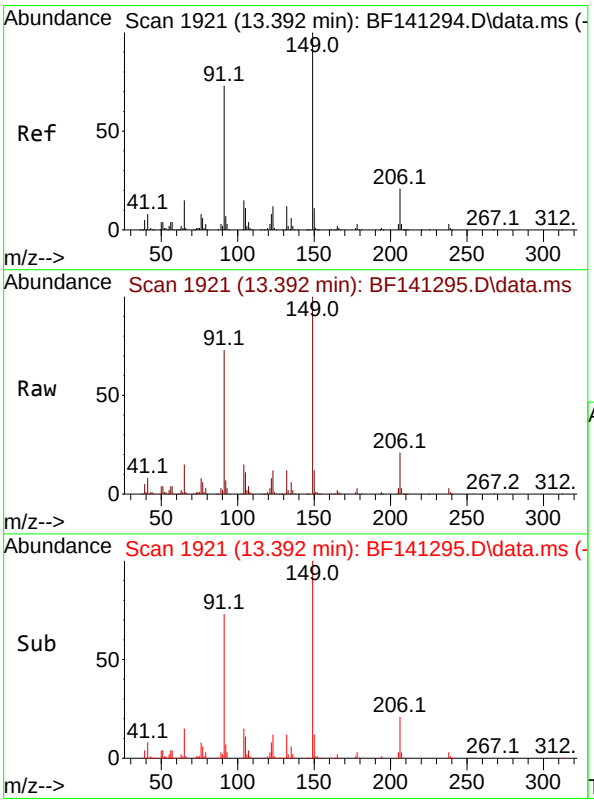
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

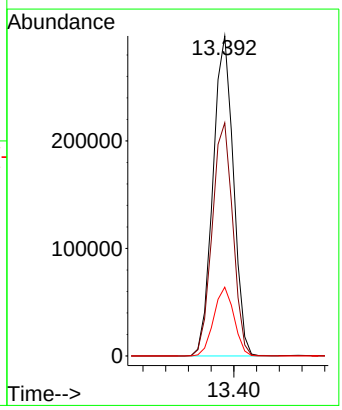
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

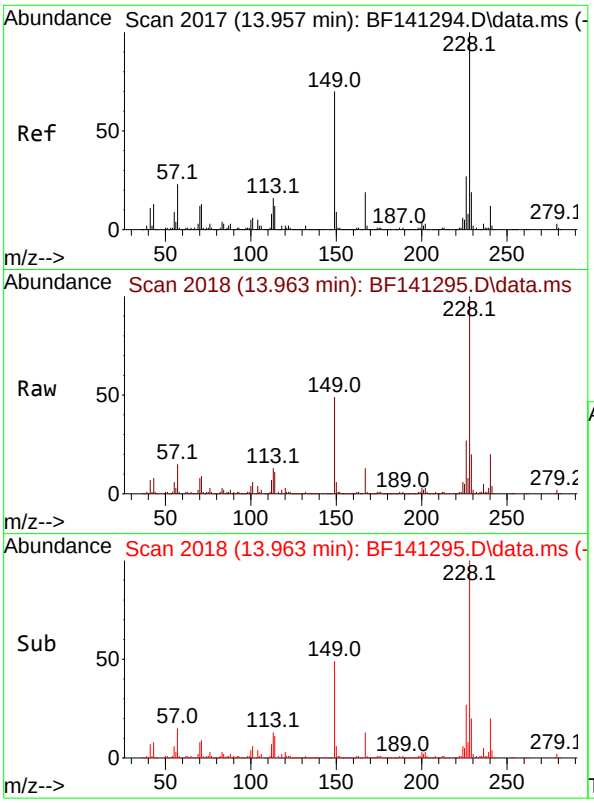


#80
Butylbenzylphthalate
Concen: 49.222 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
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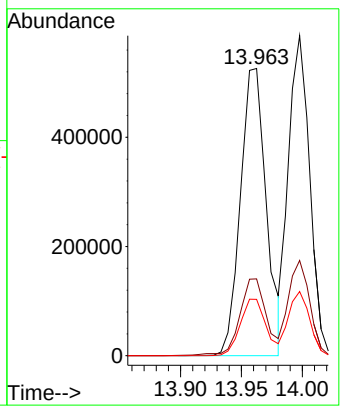
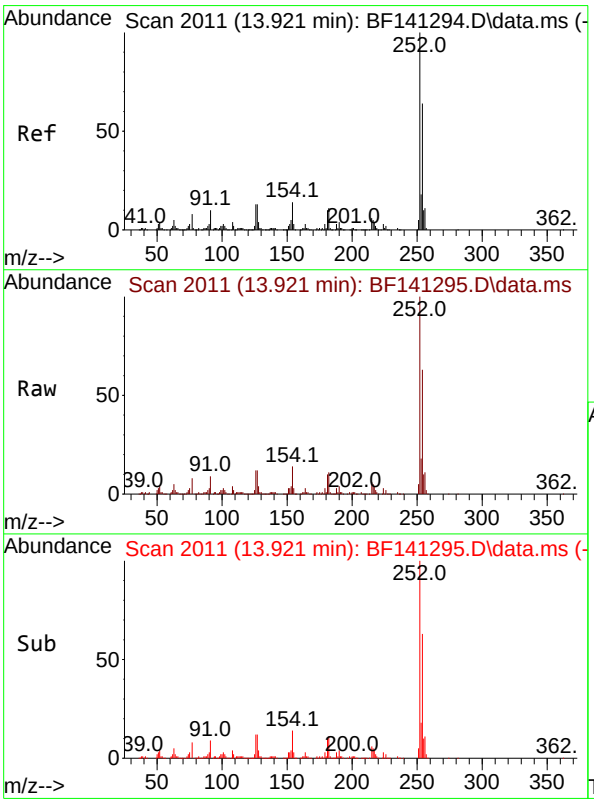
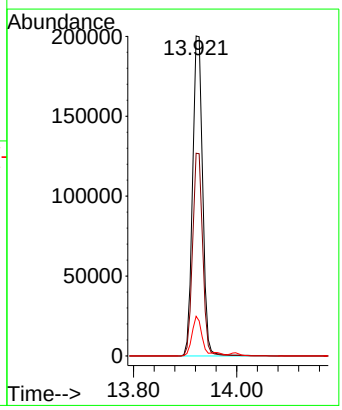


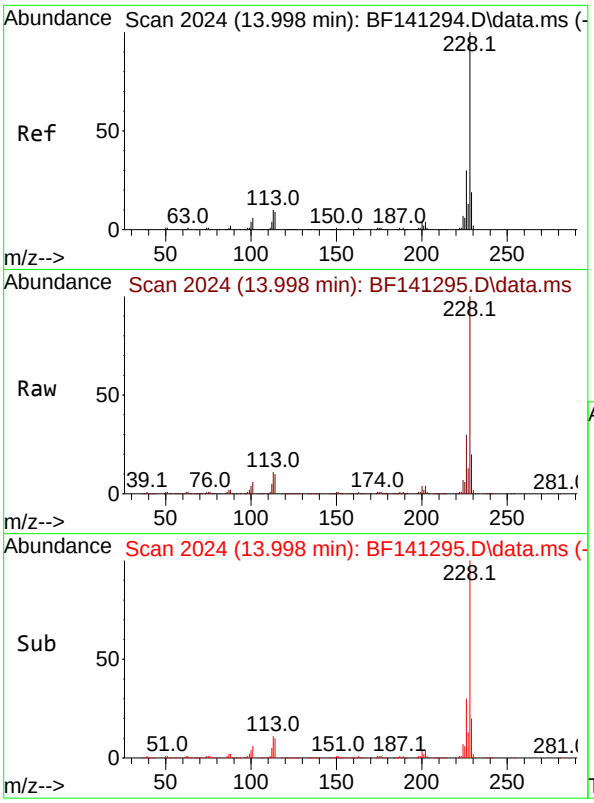


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

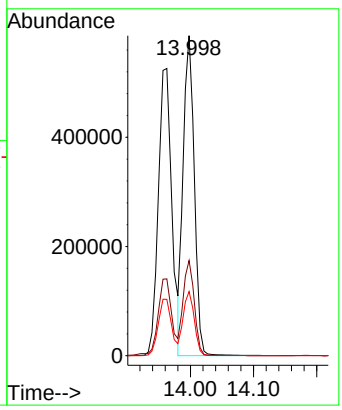




#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

Manual Integrations
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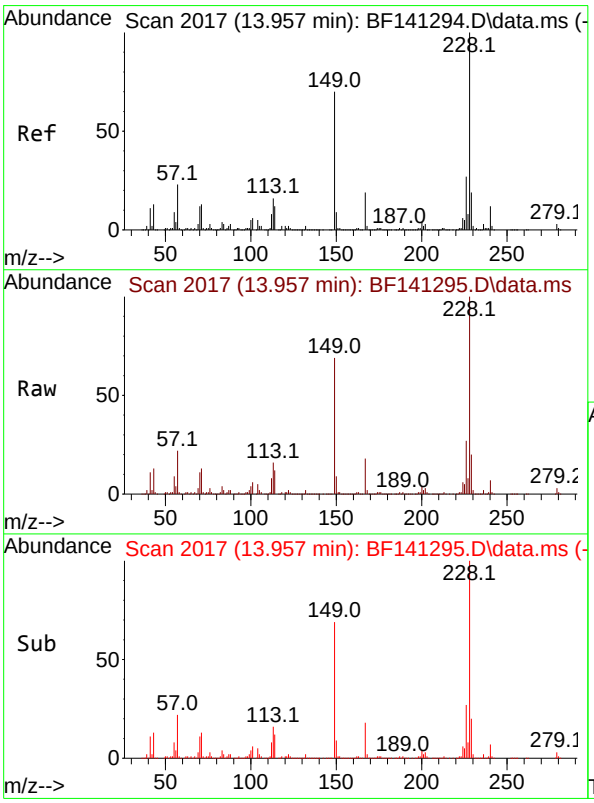
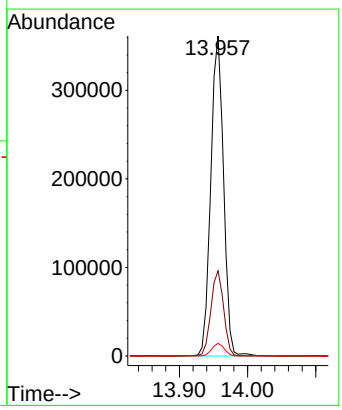
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

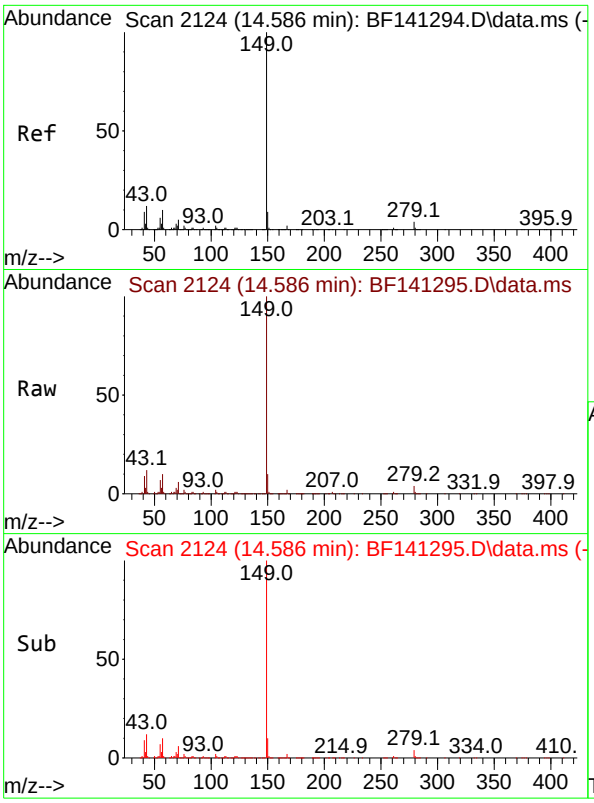


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

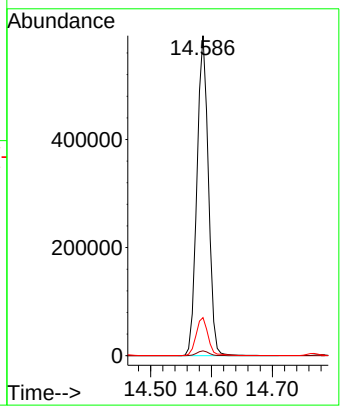
Tgt Ion:149 Resp: 77303

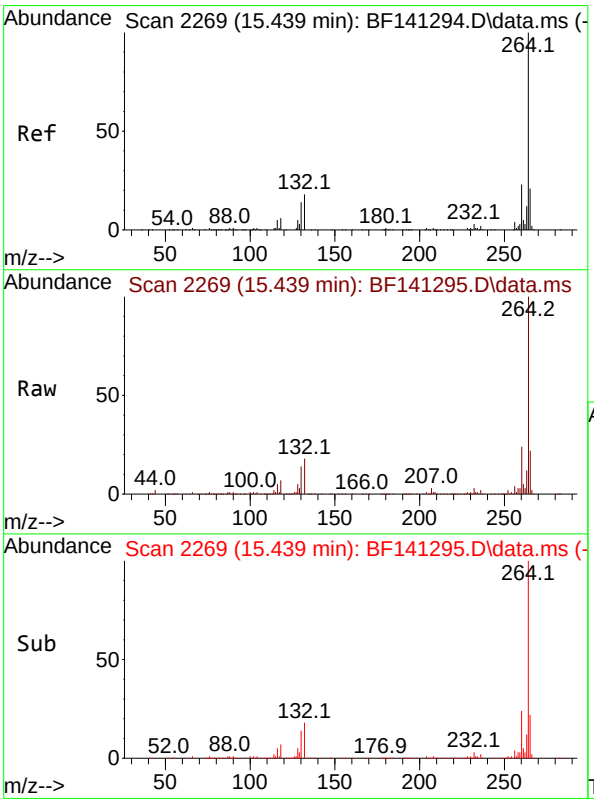
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

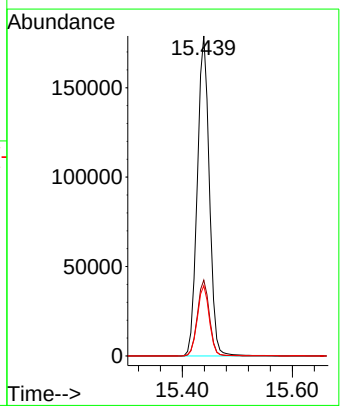


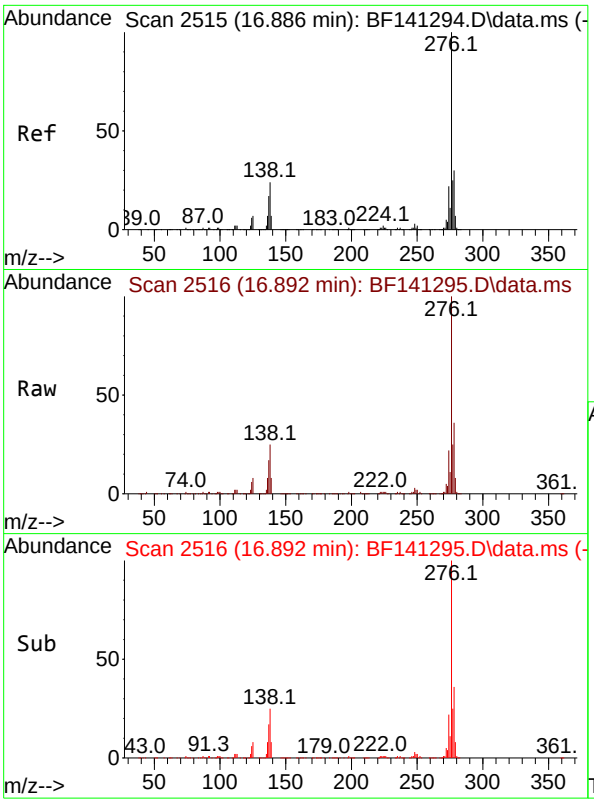


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

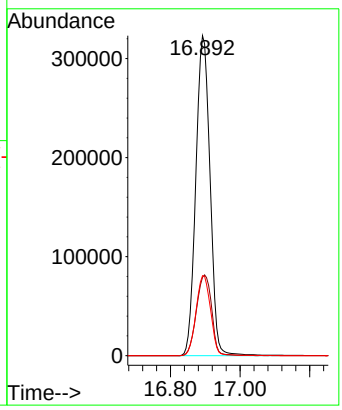




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 91671

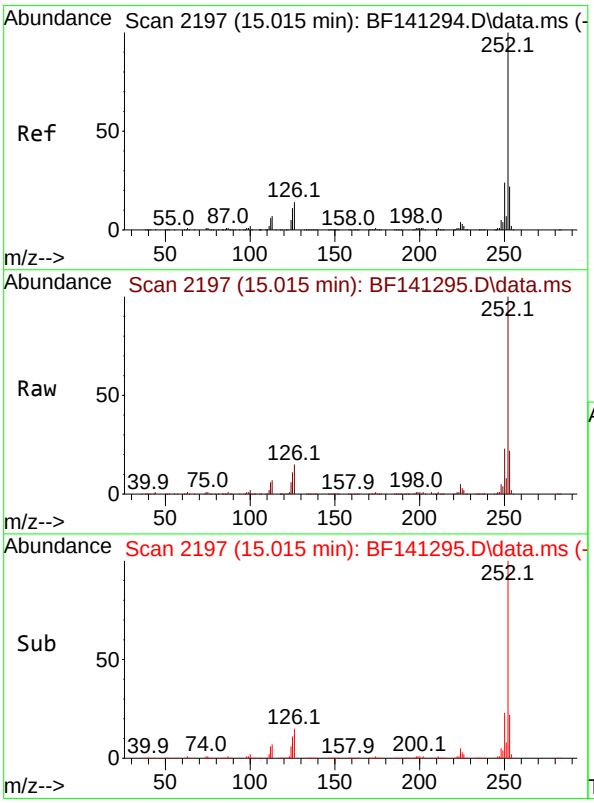
Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

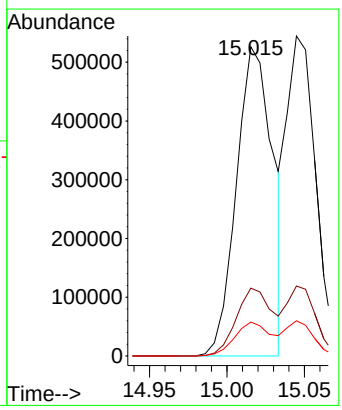
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

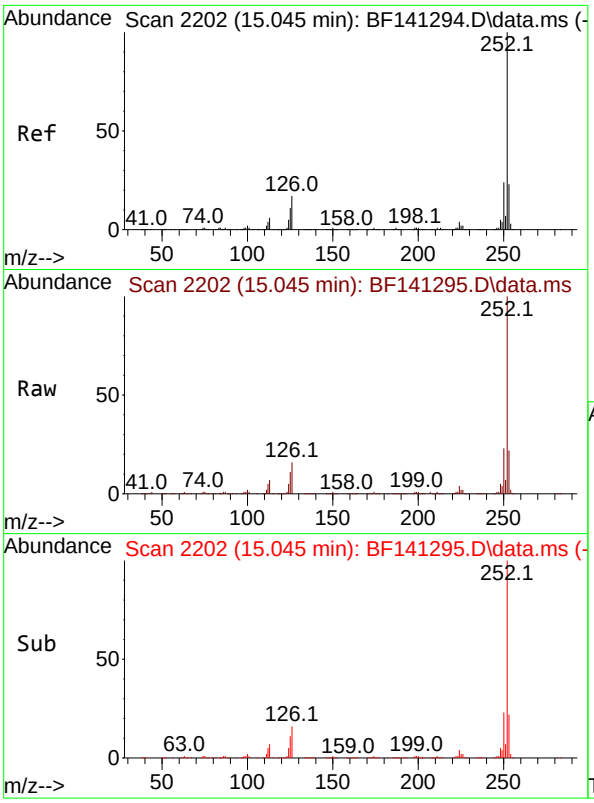


#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

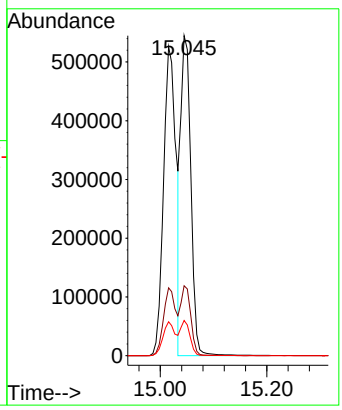
Tgt Ion:252 Resp: 71350

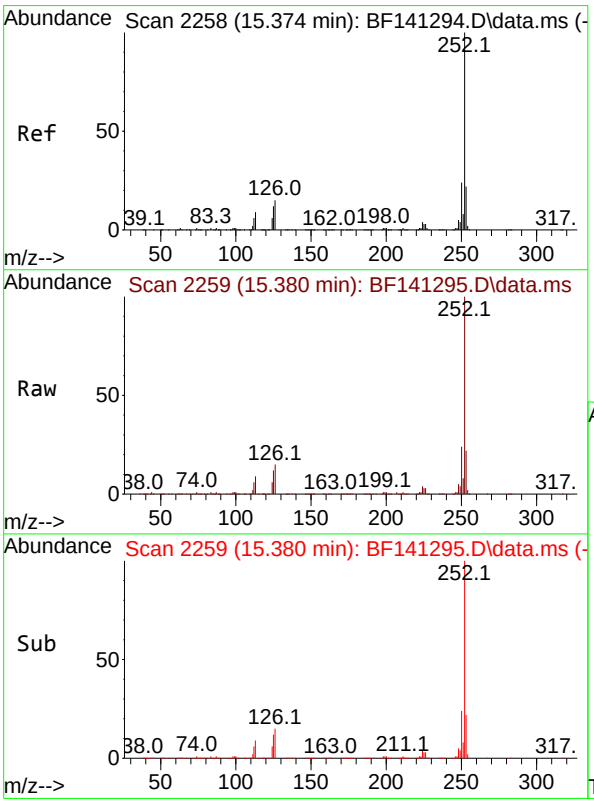
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

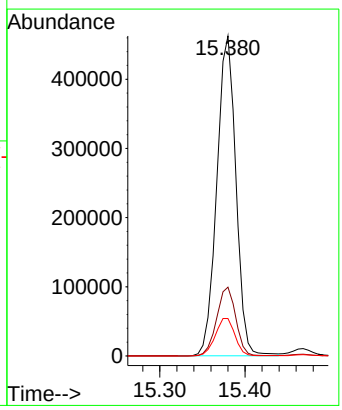


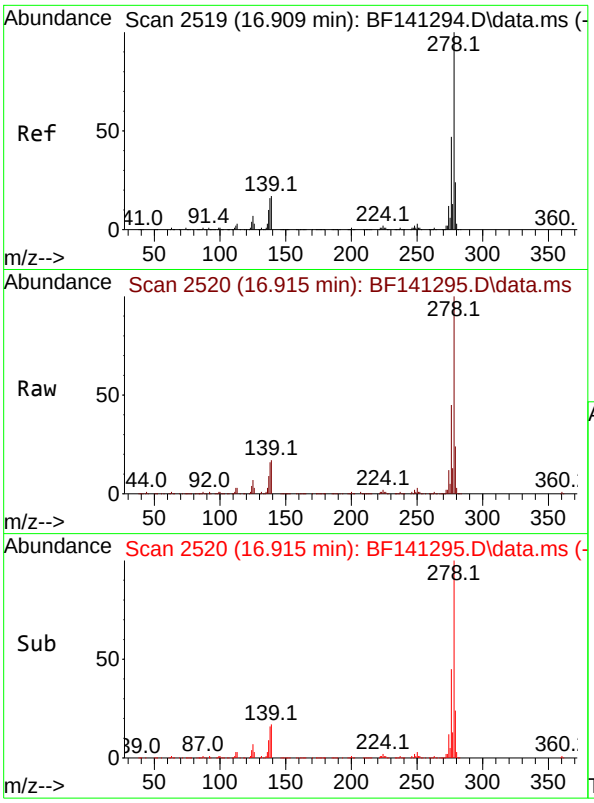


#90
Benzo(a)pyrene
Concen: 49.985 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

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

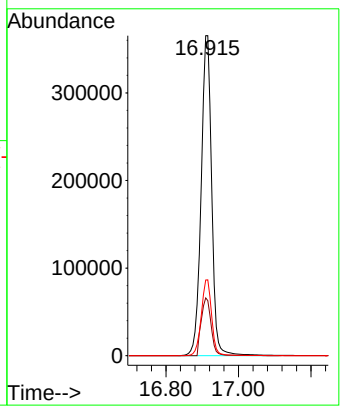




#91
Dibenzo(a,h)anthracene
Concen: 51.907 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:278 Resp: 73939

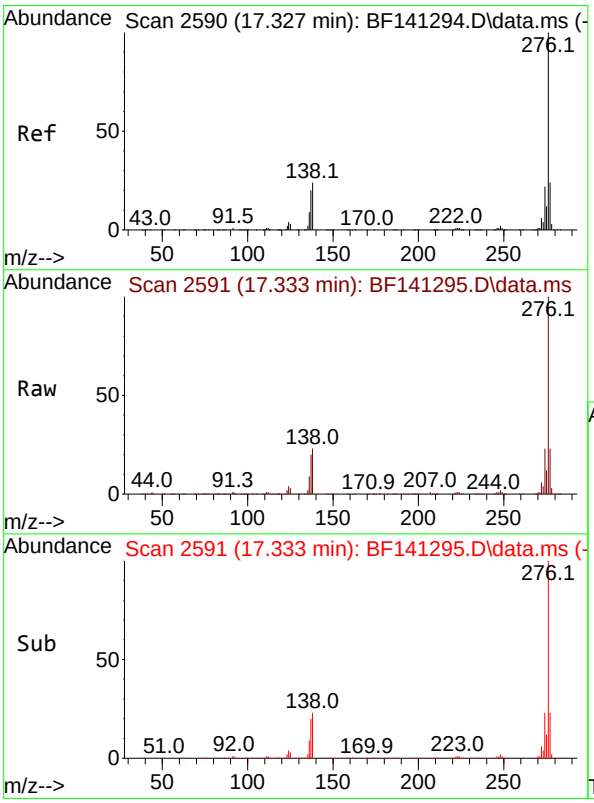
Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

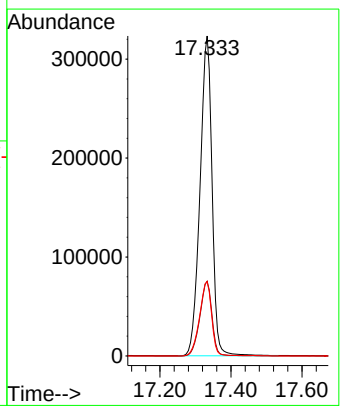
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

ICAL Form

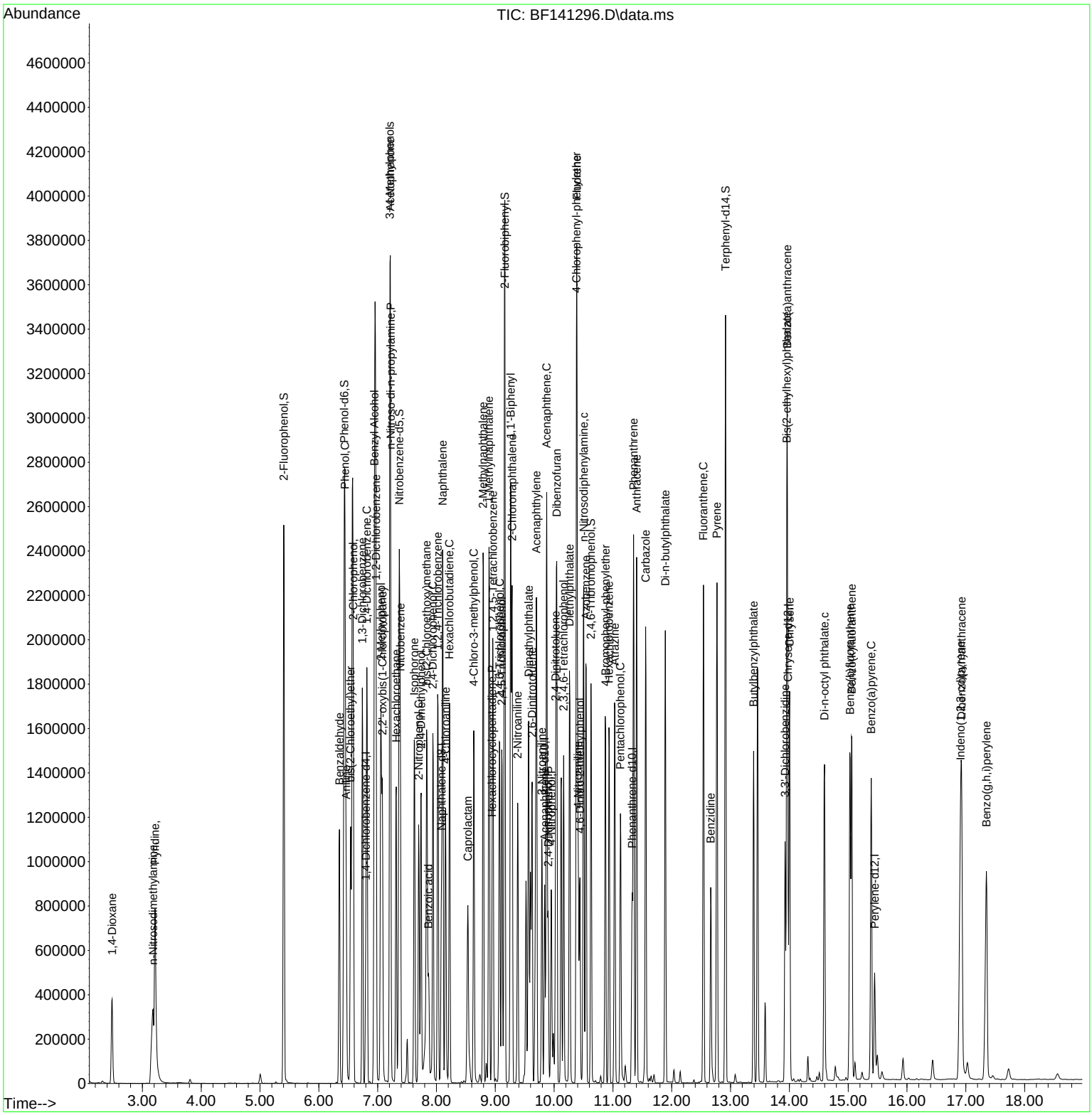
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

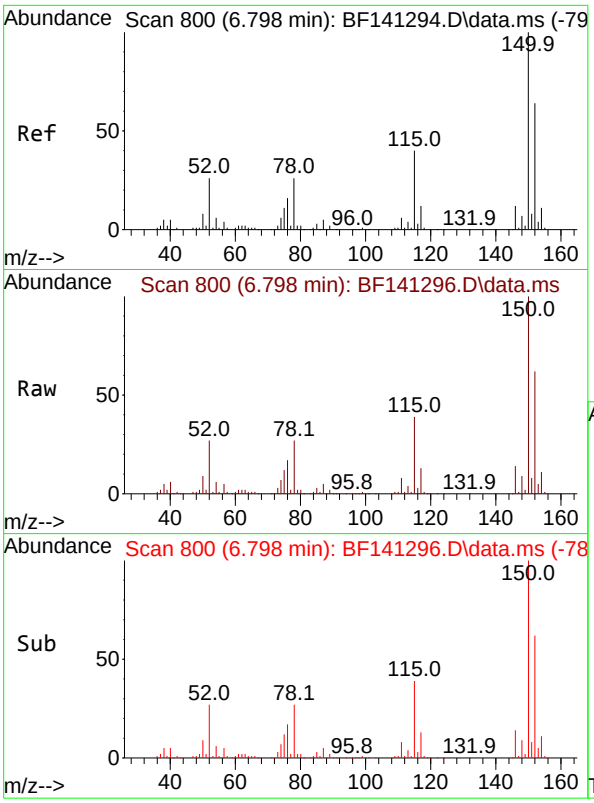
Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

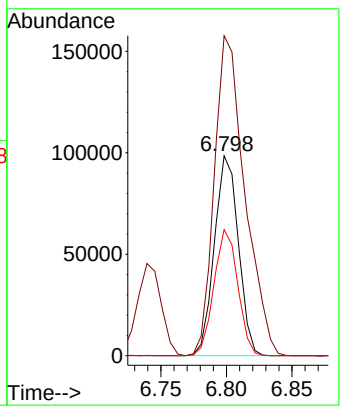




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:152 Resp: 12520

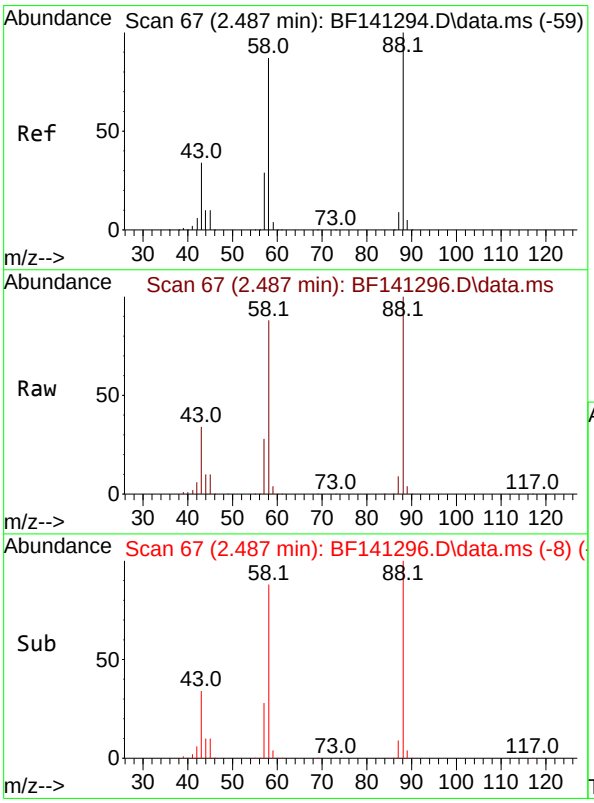
Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

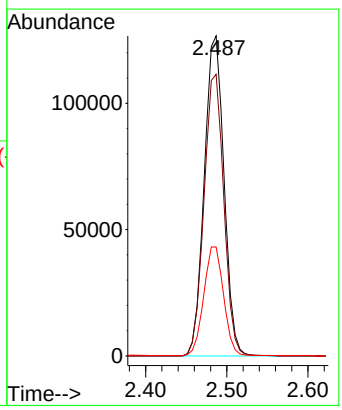
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

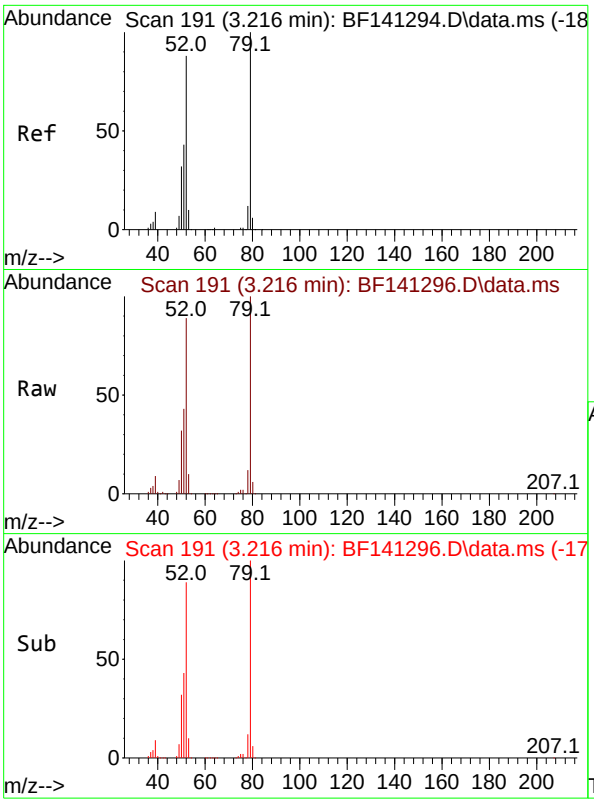


#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

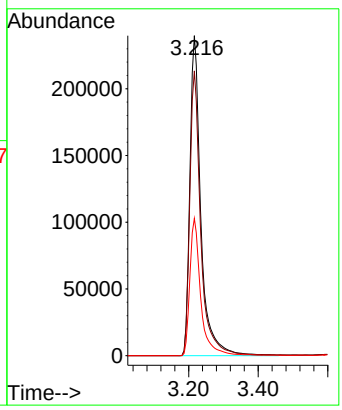




#3
Pyridine
Concen: 60.698 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 52720

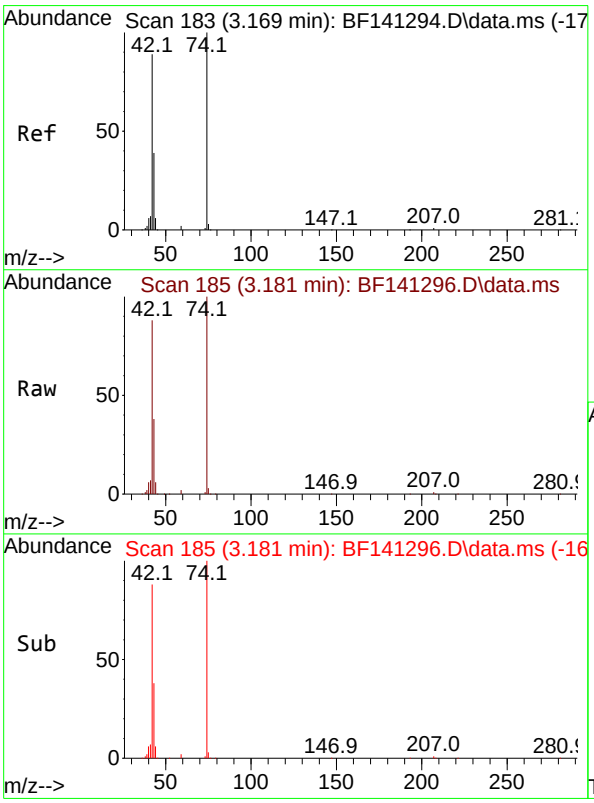
Ion	Ratio	Lower	Upper
79	100		
52	89.0	70.3	105.5
51	42.9	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

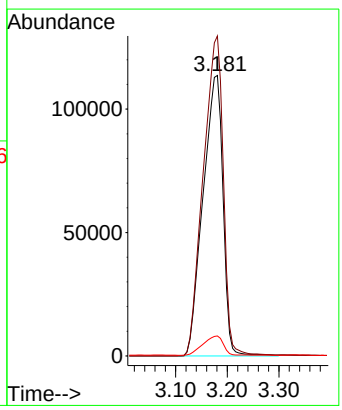
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

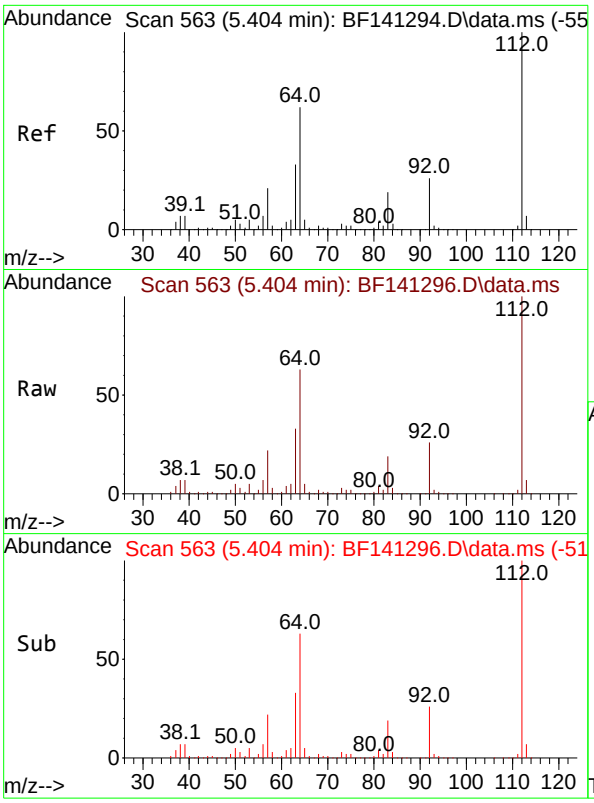


#4
n-Nitrosodimethylamine
Concen: 61.956 ng
RT: 3.181 min Scan# 185
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

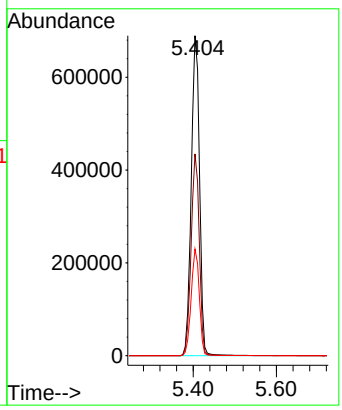




#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:112 Resp: 95239

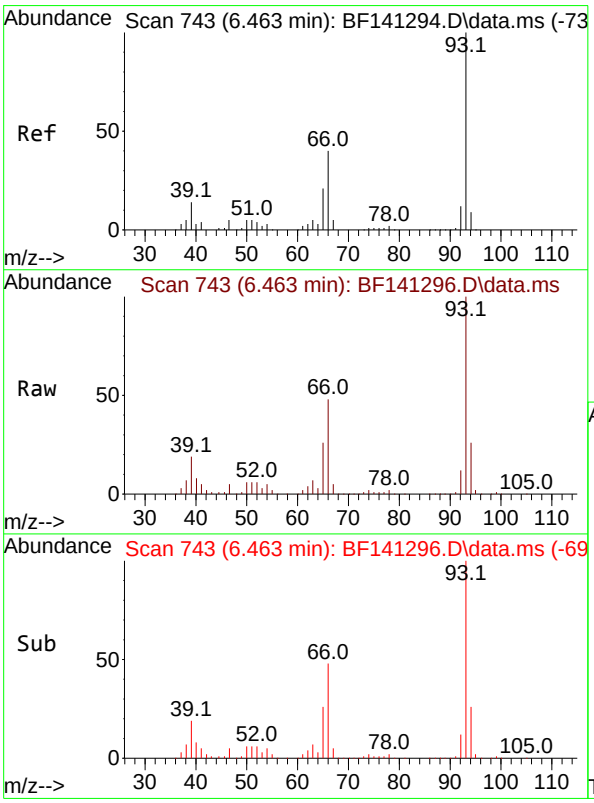
Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

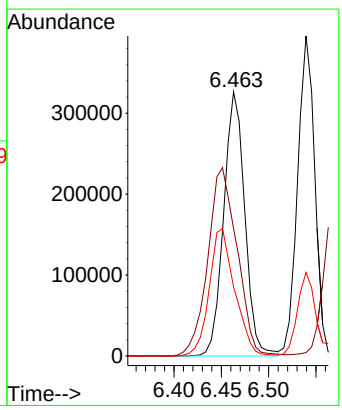
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

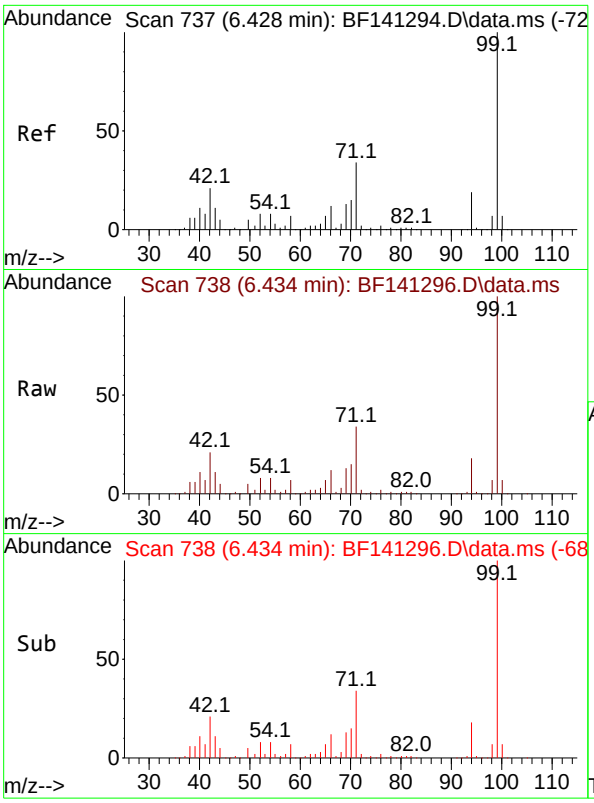


#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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#

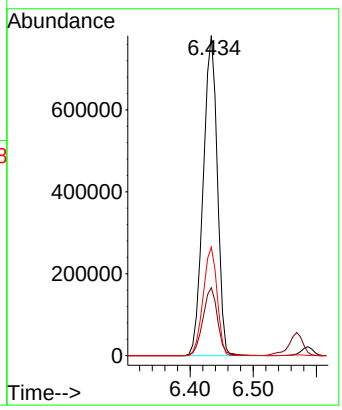




#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 99 Resp: 121047

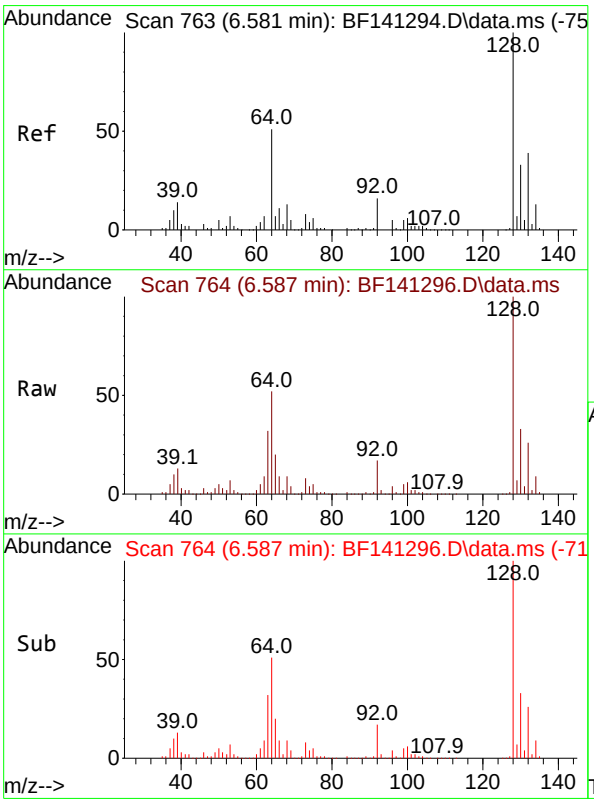
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	33.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

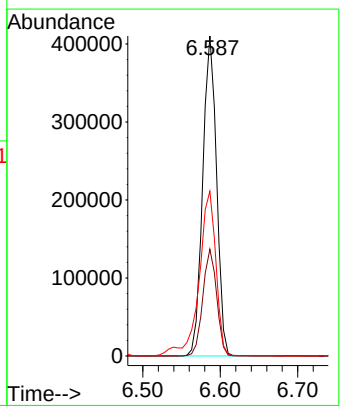
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

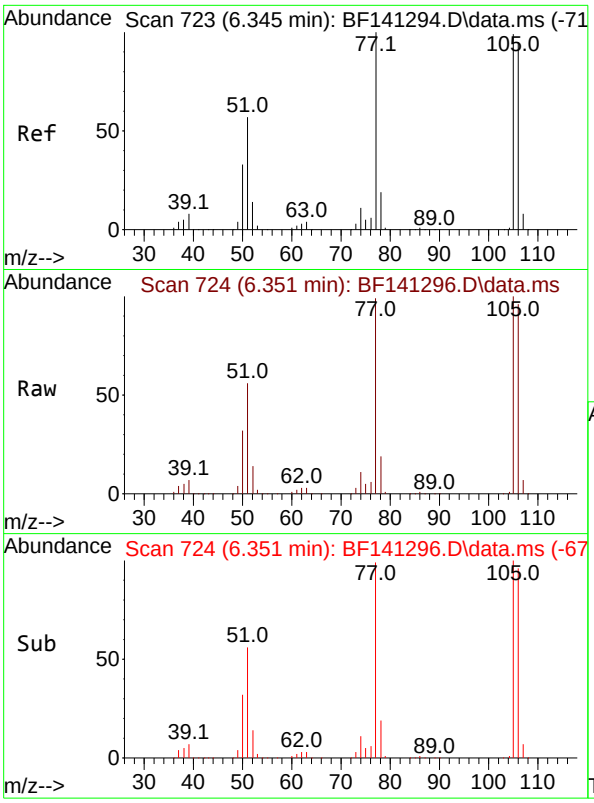


#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

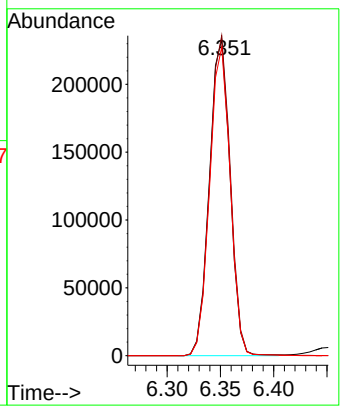




#9
Benzaldehyde
Concen: 48.677 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 31423

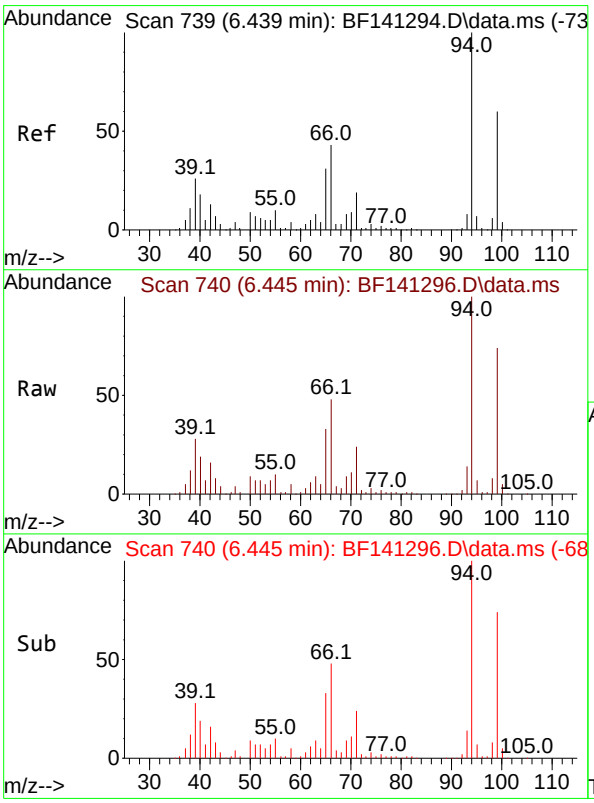
Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.4	119.4
106	97.6	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

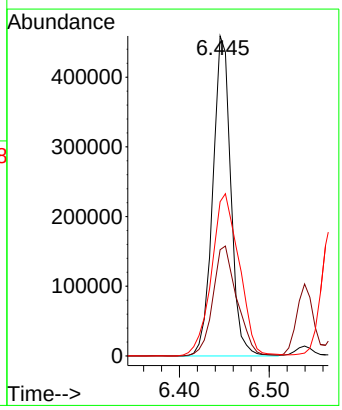
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

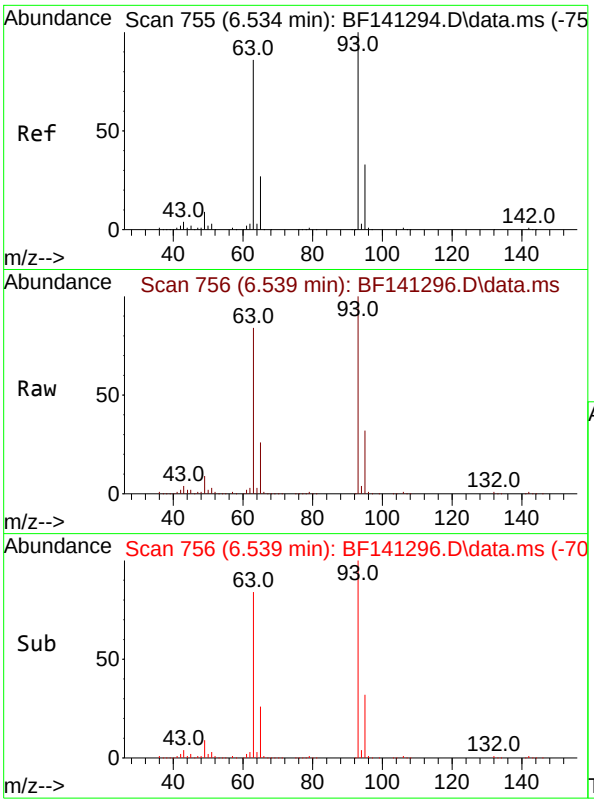


#10
Phenol
Concen: 56.549 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

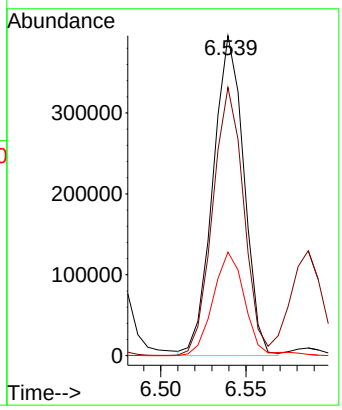
Tgt Ion: 93 Resp: 49932

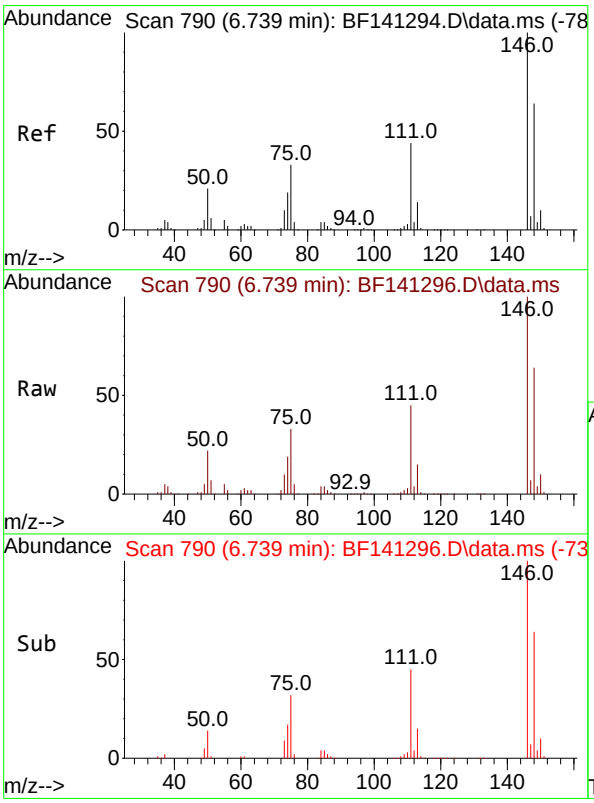
Ion	Ratio	Lower	Upper
93	100		
63	83.9	65.0	105.0
95	32.3	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

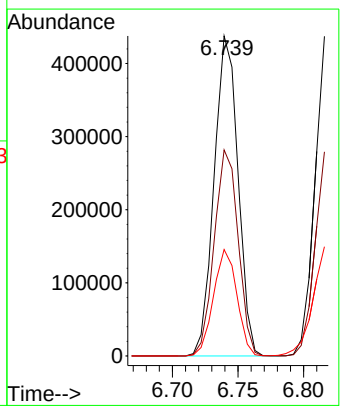


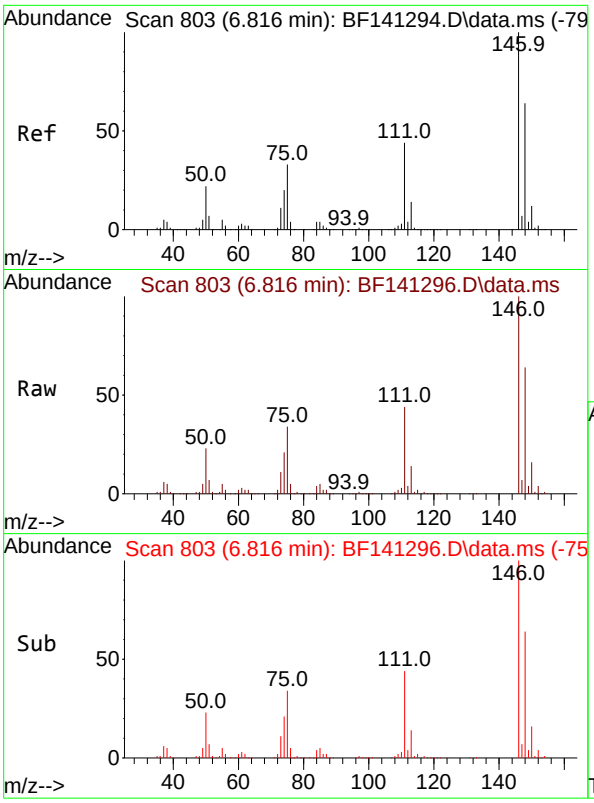


#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

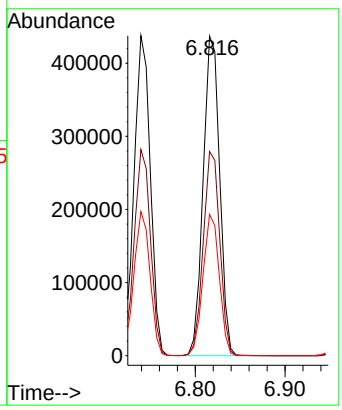




#13
1,4-Dichlorobenzene
Concen: 55.945 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 55857

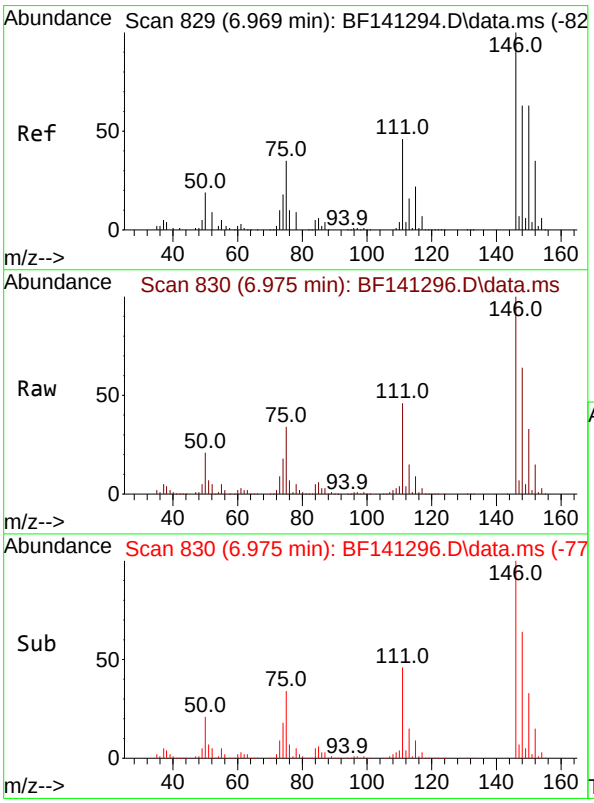
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	44.2	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

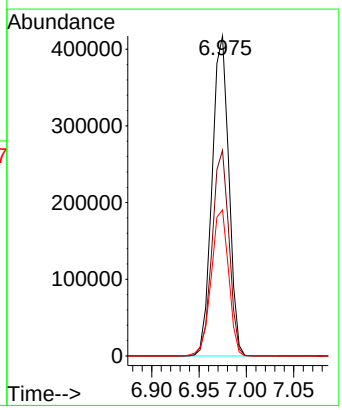
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

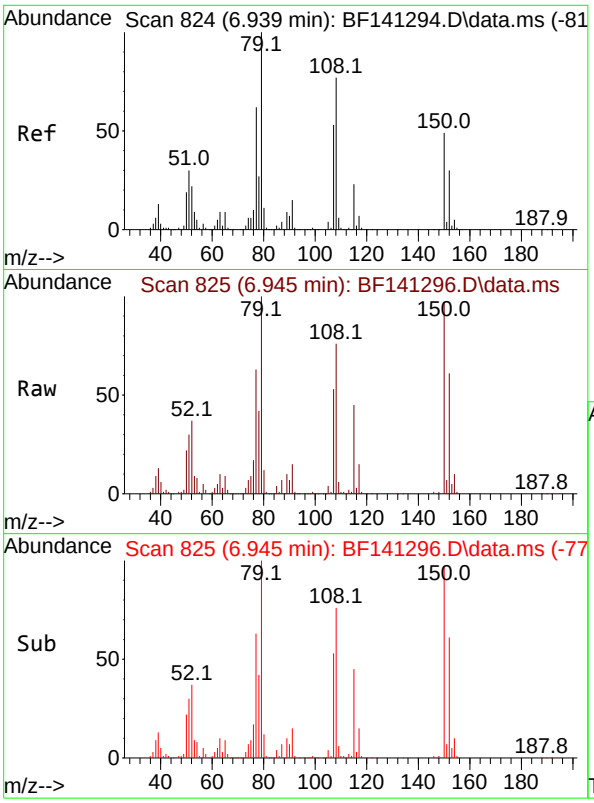


#14
1,2-Dichlorobenzene
Concen: 54.417 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

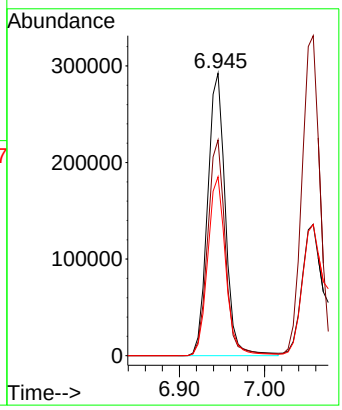




#15
Benzyl Alcohol
Concen: 58.473 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
SSTDICC060

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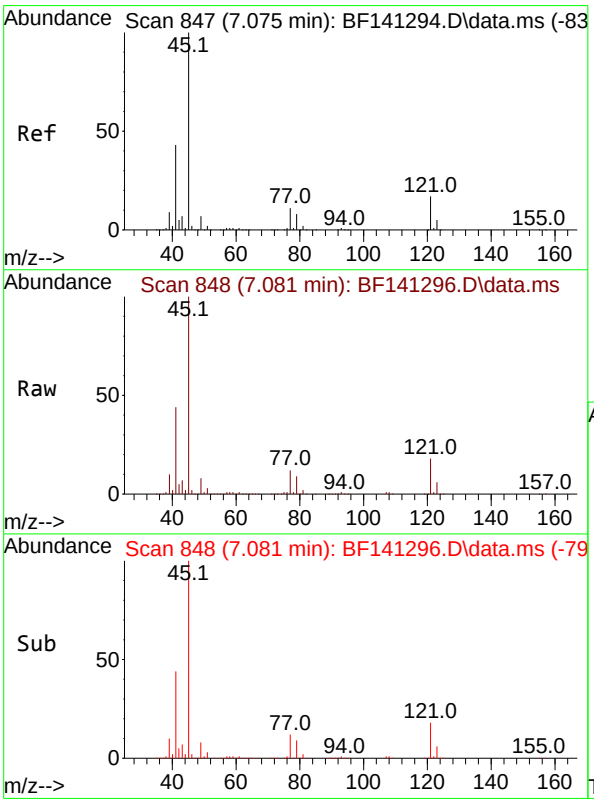
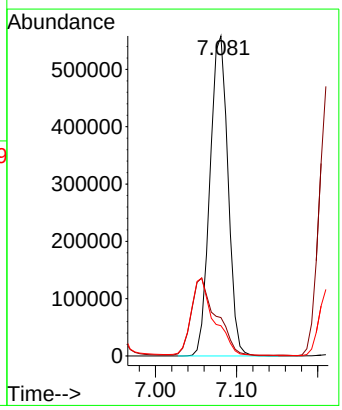
Supervised By :mohammad ahmed 02/04/2025

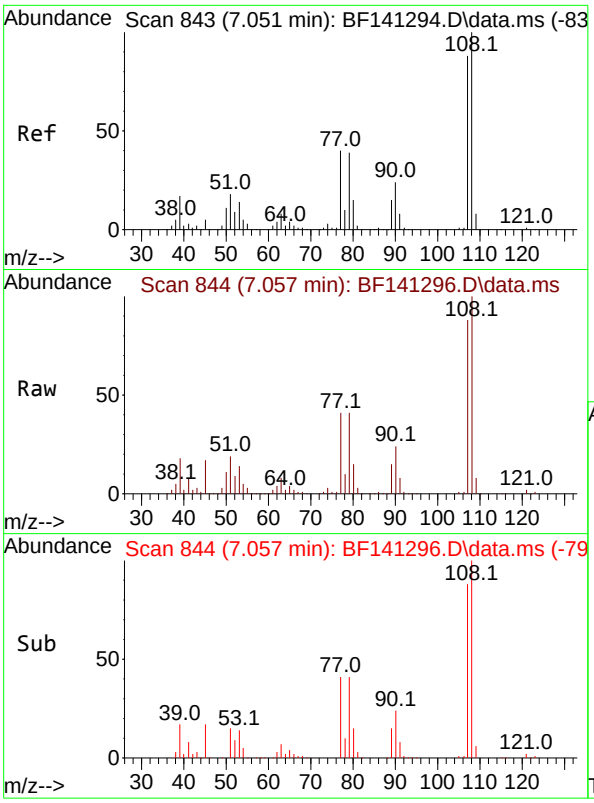


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

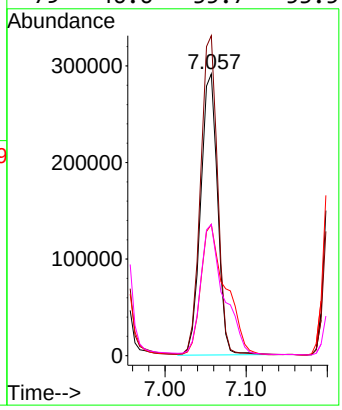




#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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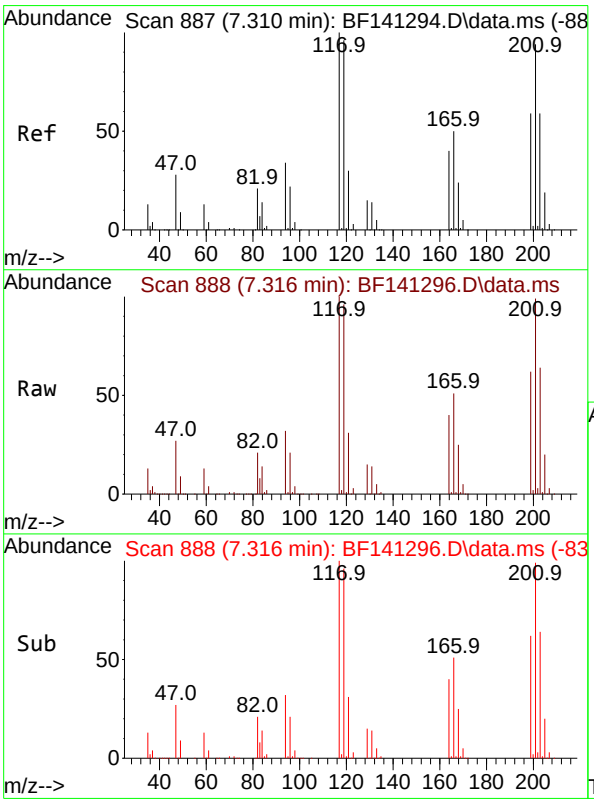
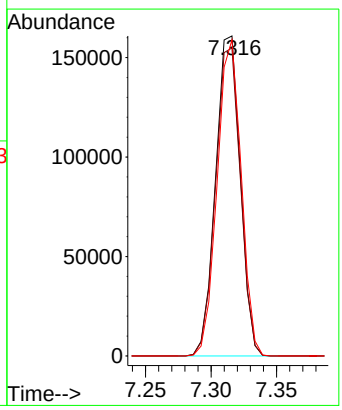
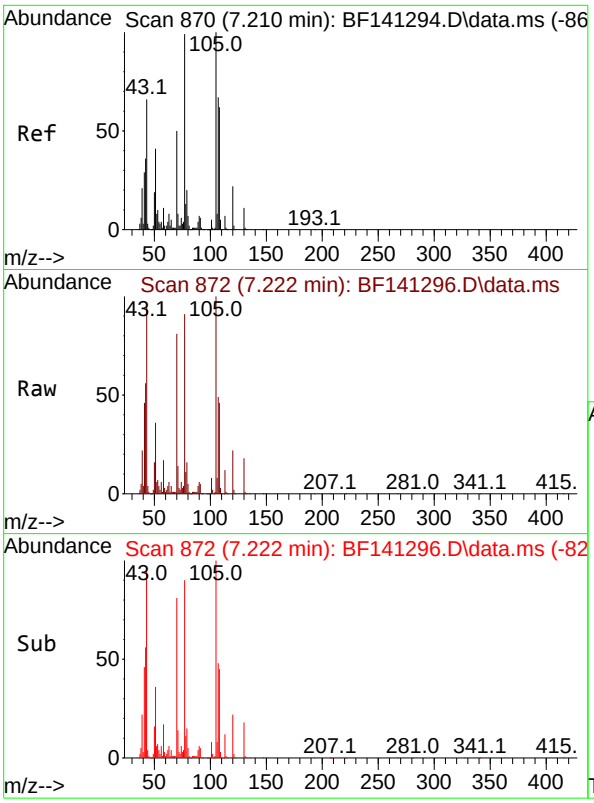


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

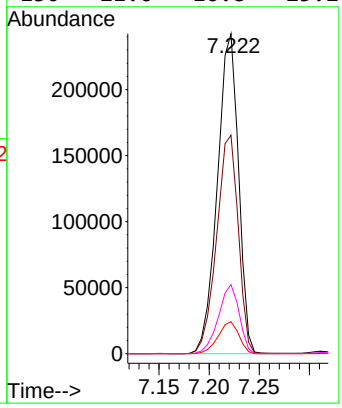




#19
n-Nitroso-di-n-propylamine
Concen: 56.162 ng
RT: 7.222 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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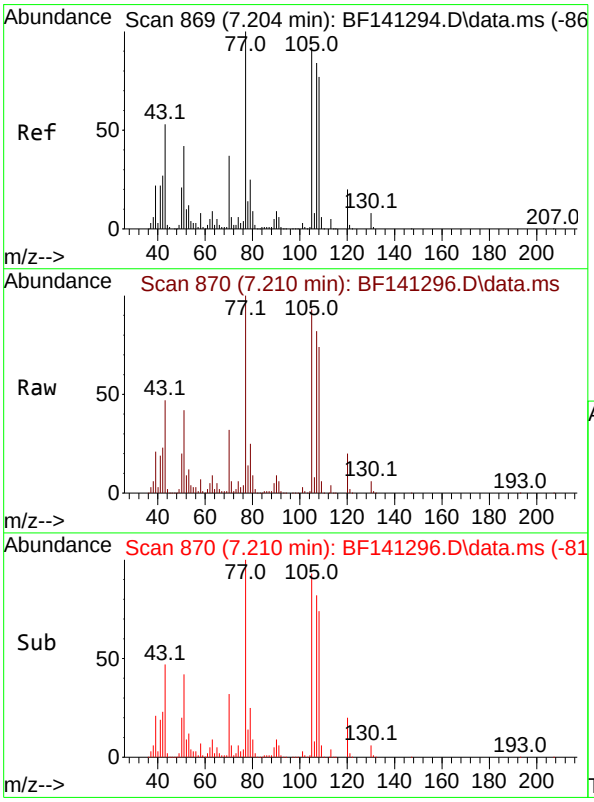
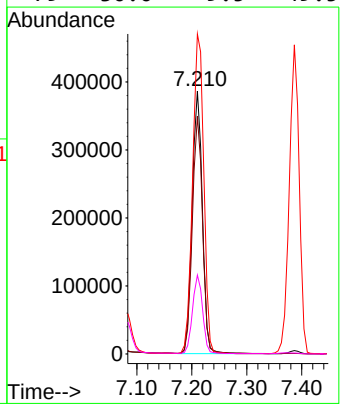
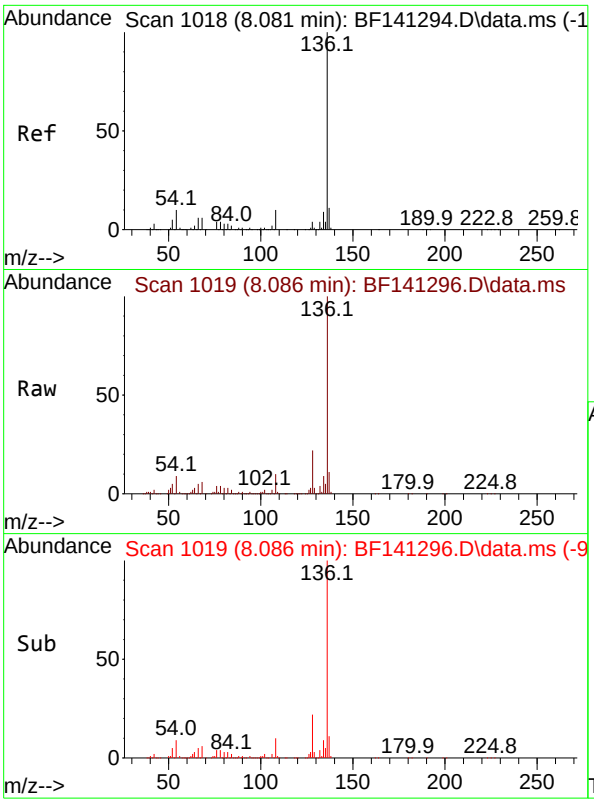


#20
3+4-Methylphenols
Concen: 54.781 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

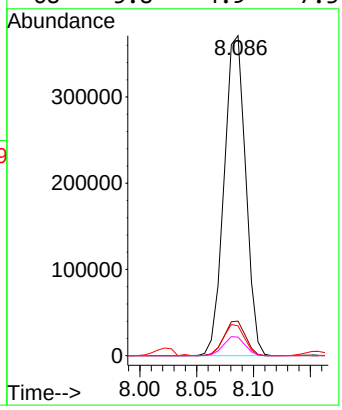




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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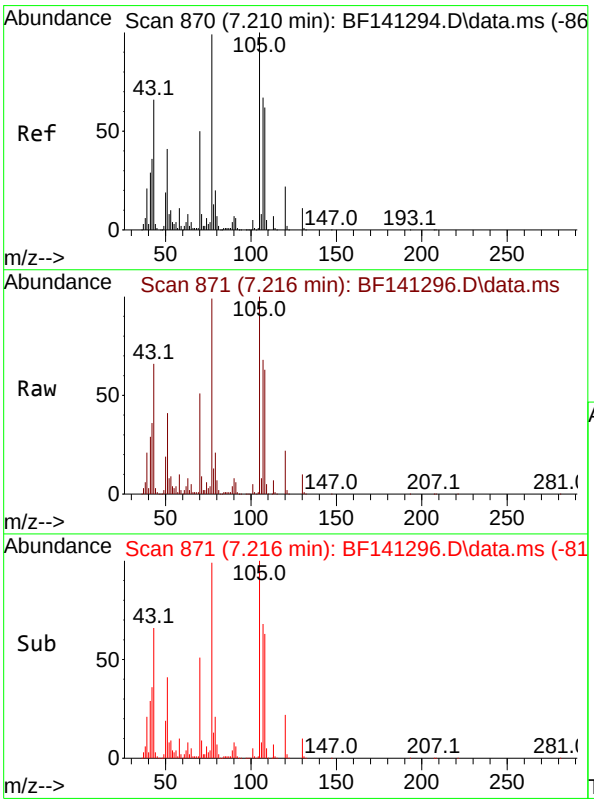
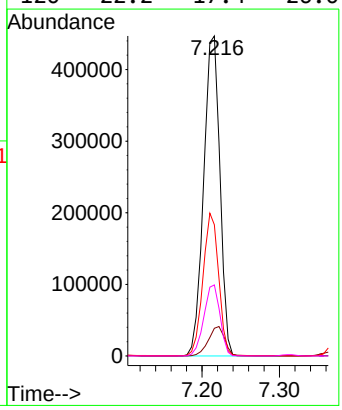
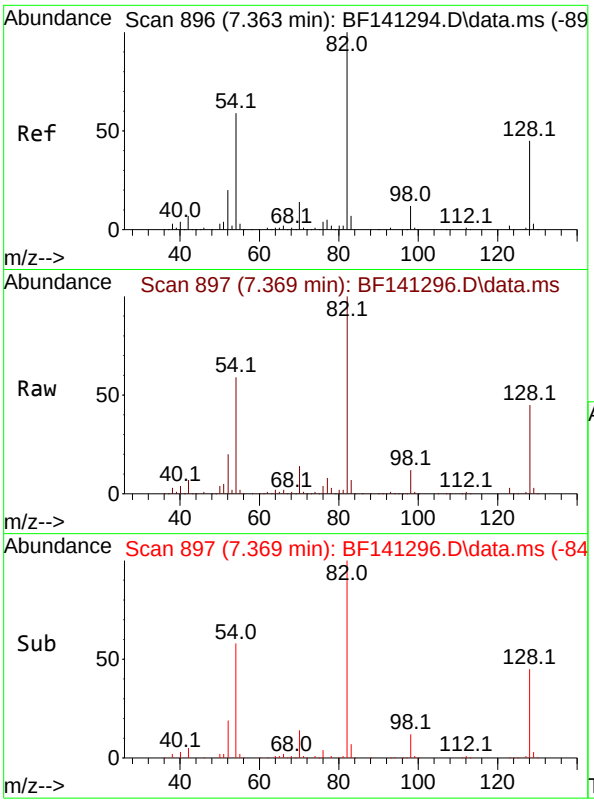


#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

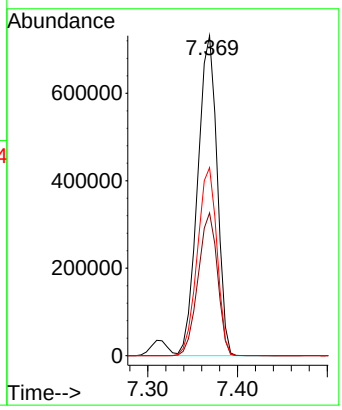




#23
Nitrobenzene-d5
Concen: 115.711 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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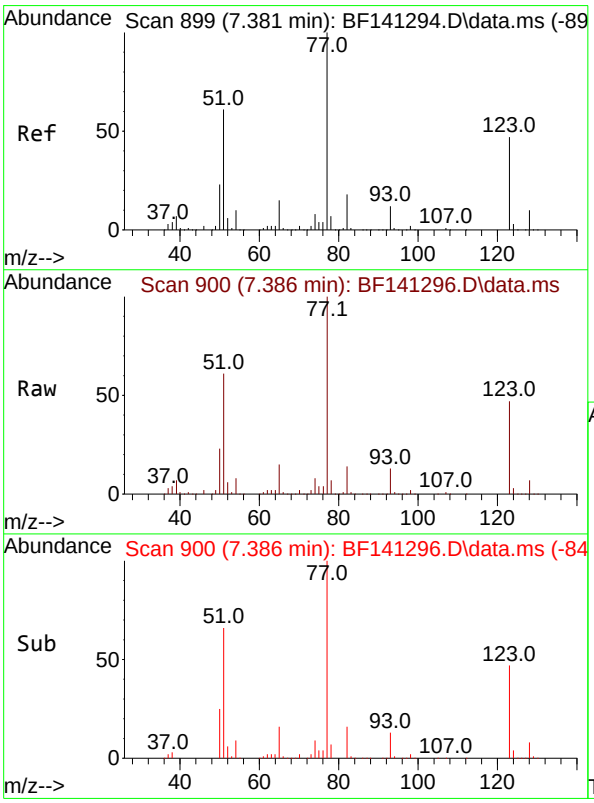
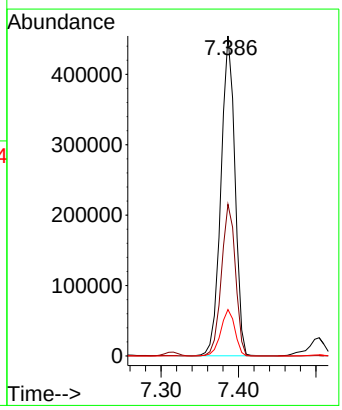
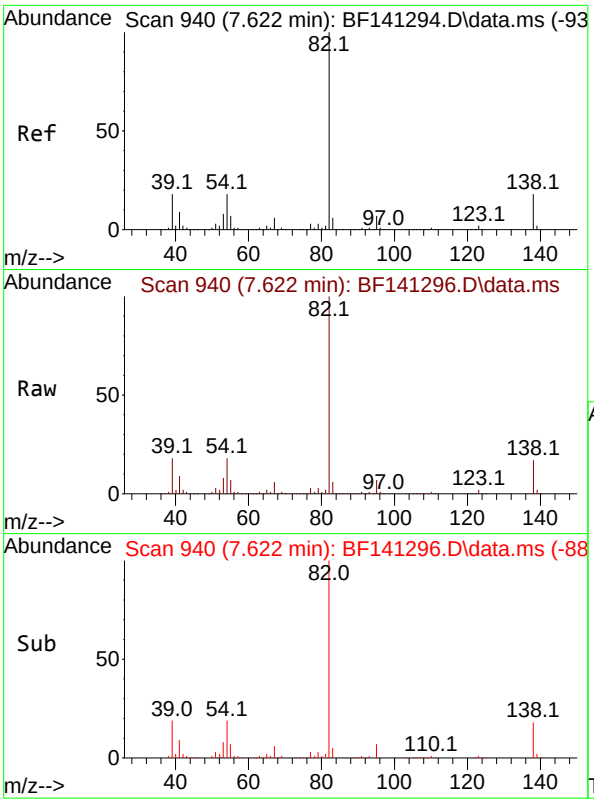


#24
Nitrobenzene
Concen: 58.138 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

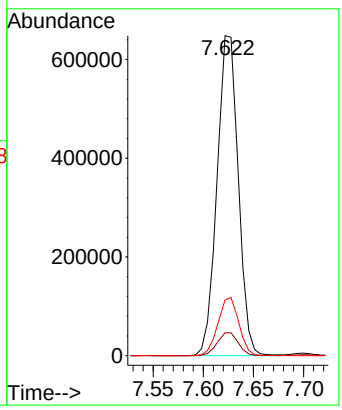




#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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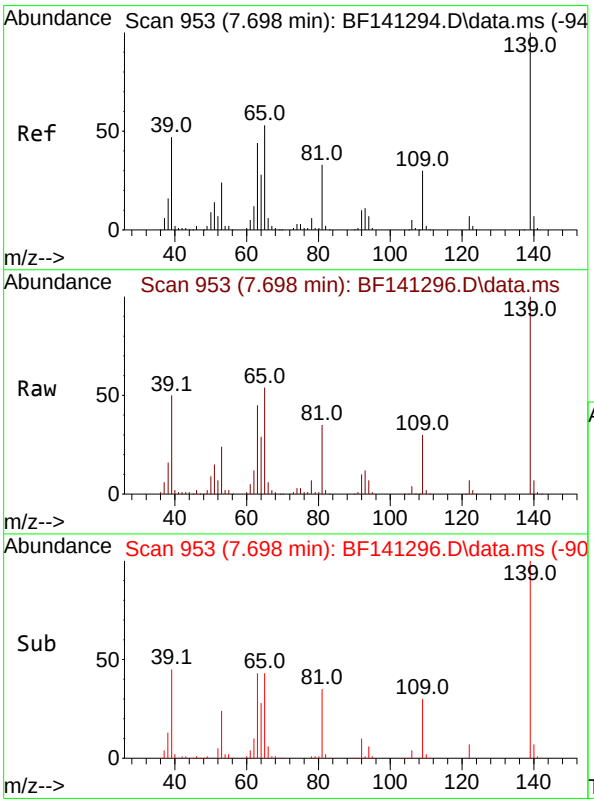
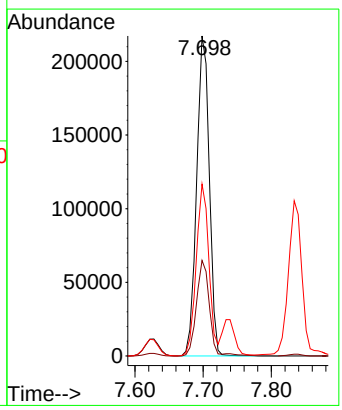
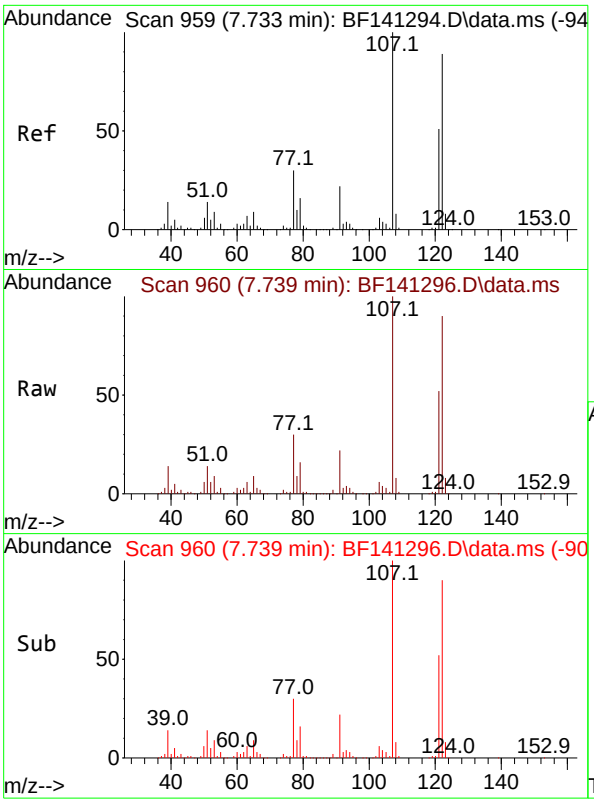


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

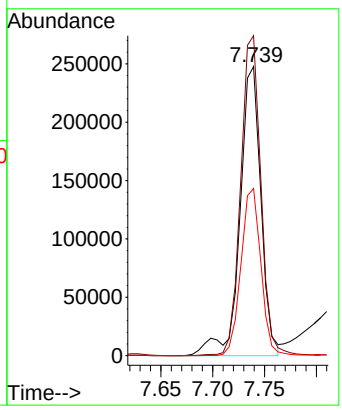




#27
2,4-Dimethylphenol
Concen: 60.006 ng m
RT: 7.739 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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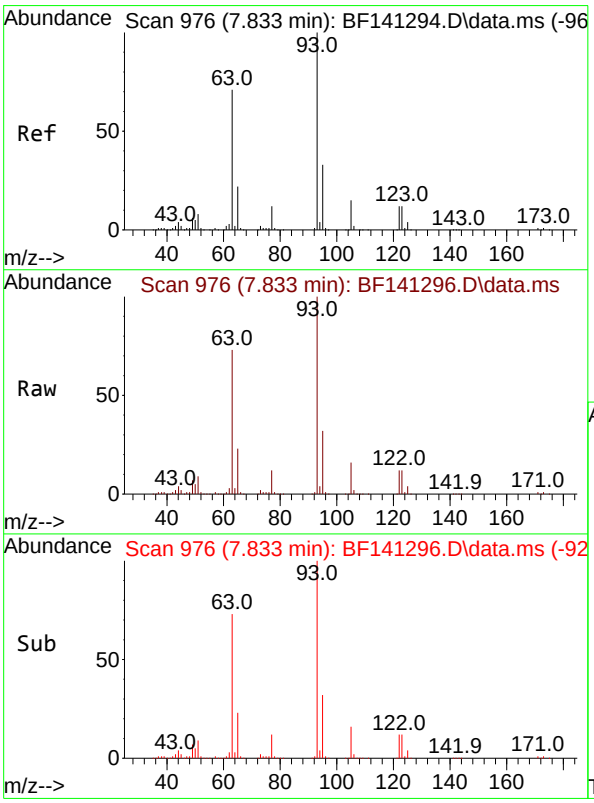
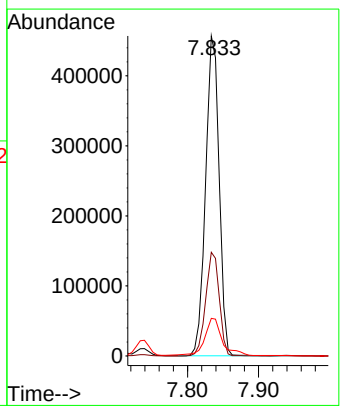
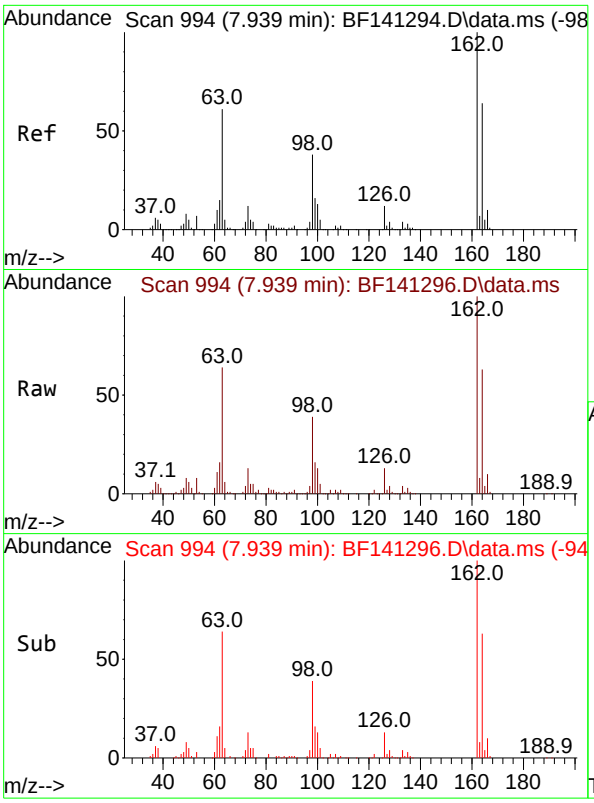


#28
bis(2-Chloroethoxy)methane
Concen: 57.853 ng
RT: 7.833 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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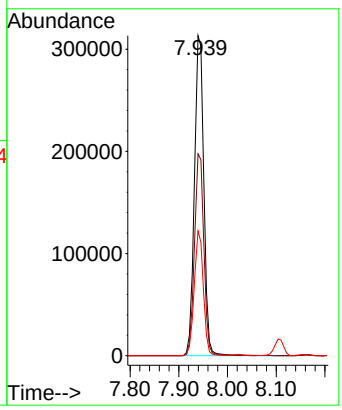
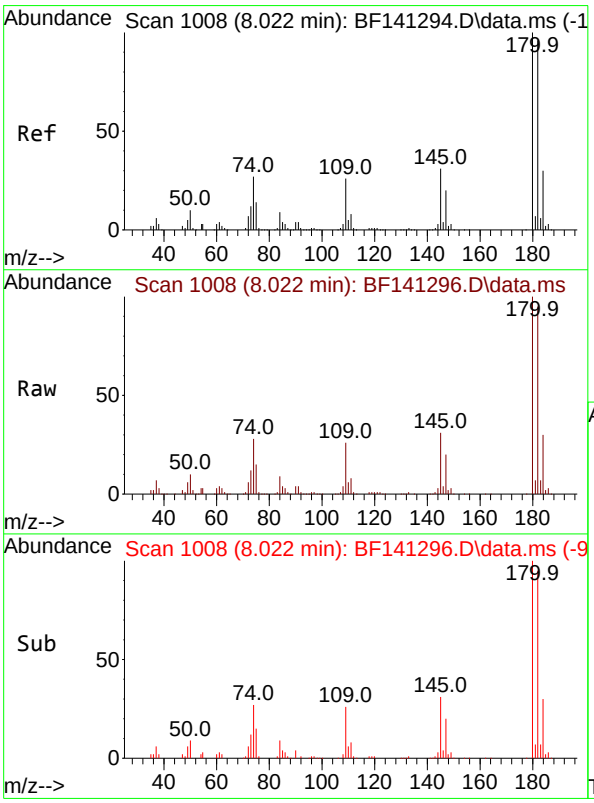
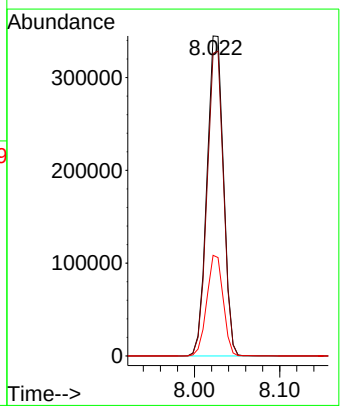


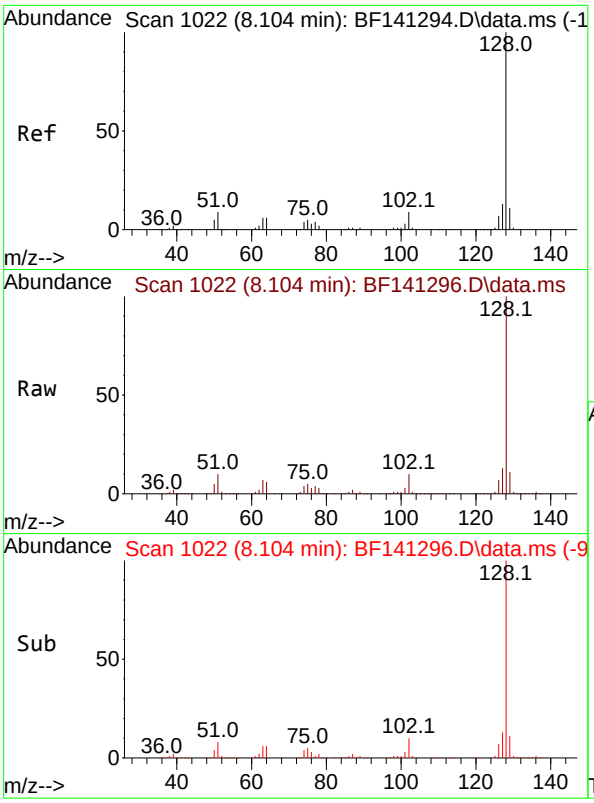


#30
1,2,4-Trichlorobenzene
Concen: 55.787 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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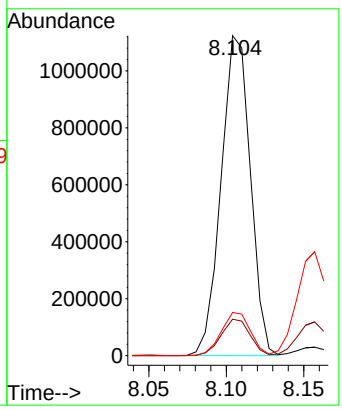
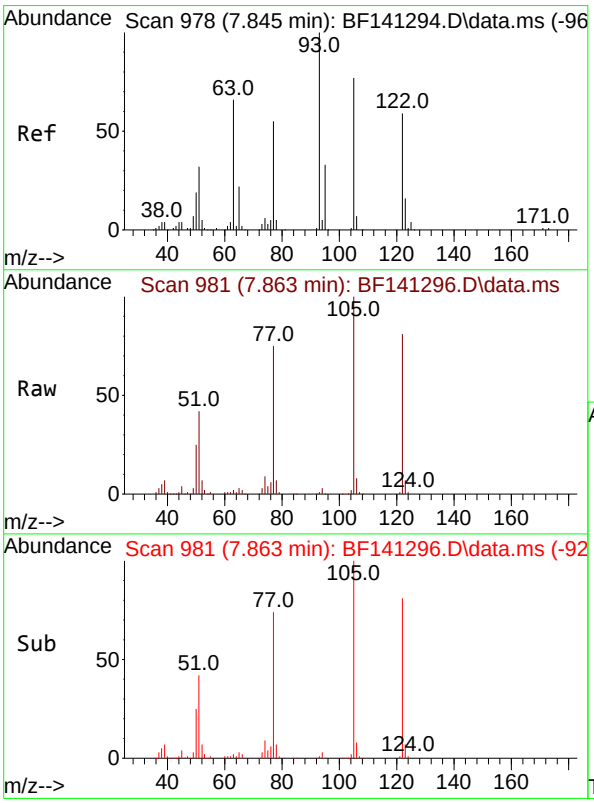
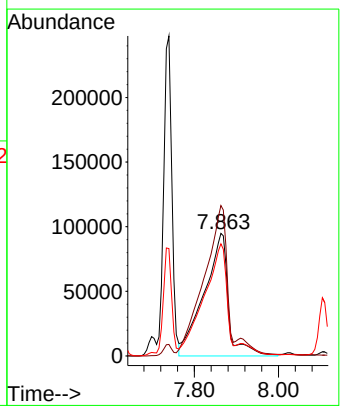


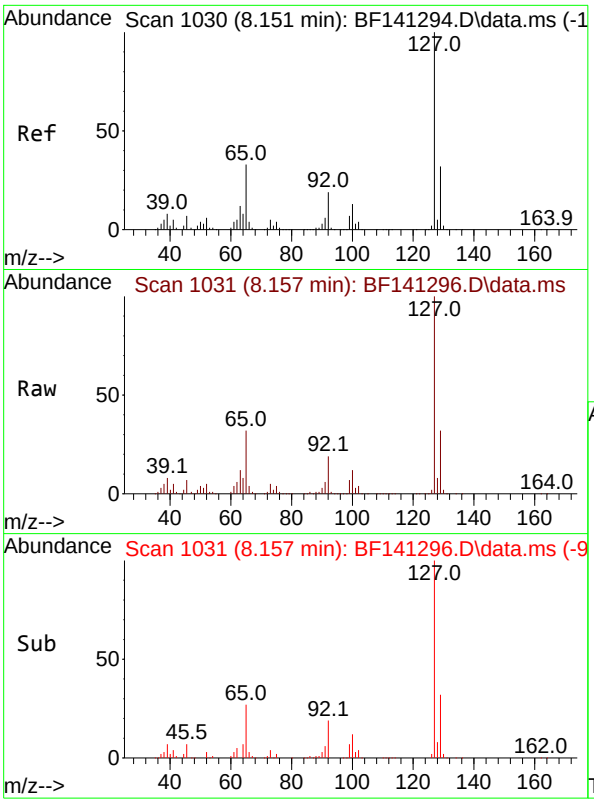


#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

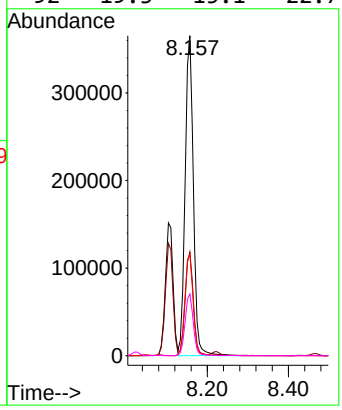




#33
4-Chloroaniline
Concen: 56.786 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
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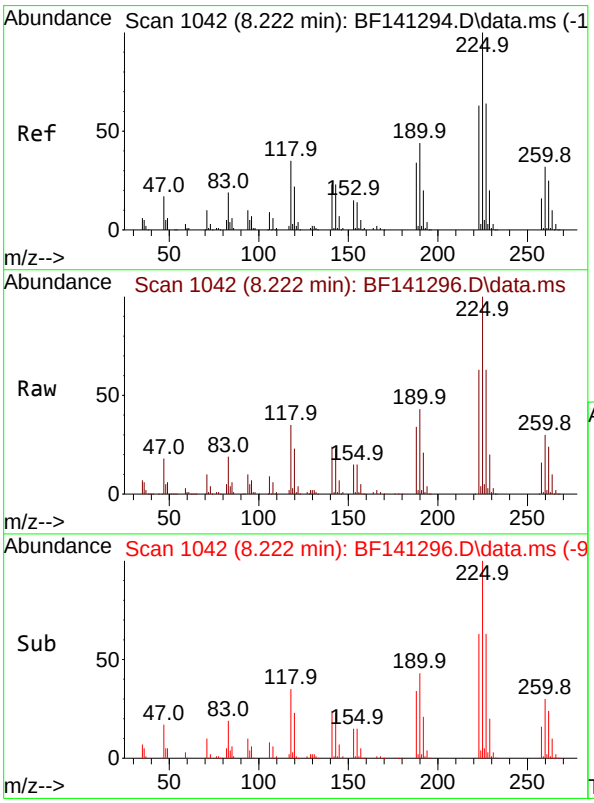
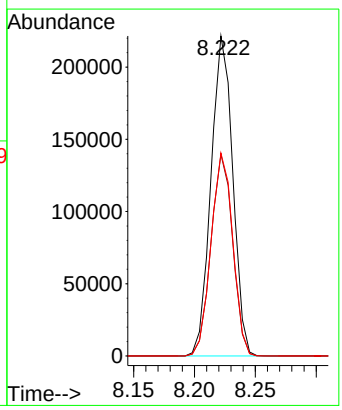
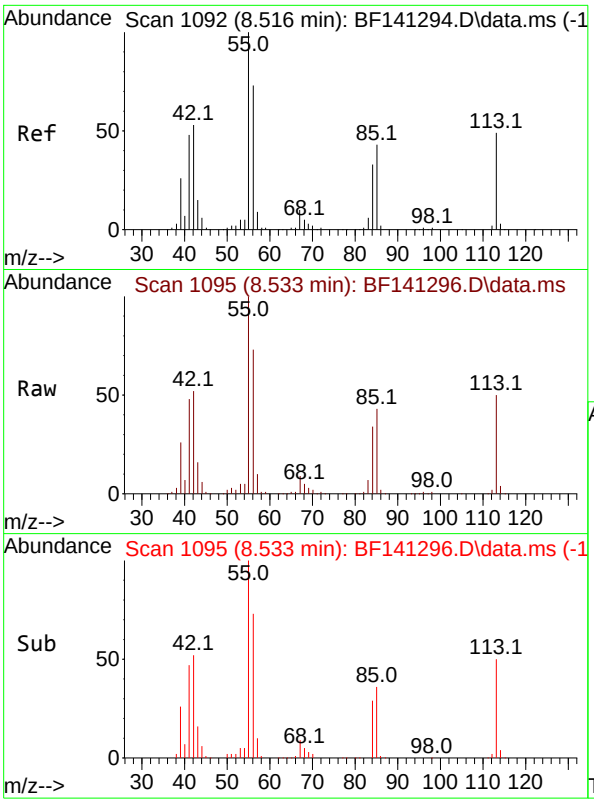


#34
Hexachlorobutadiene
Concen: 56.533 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

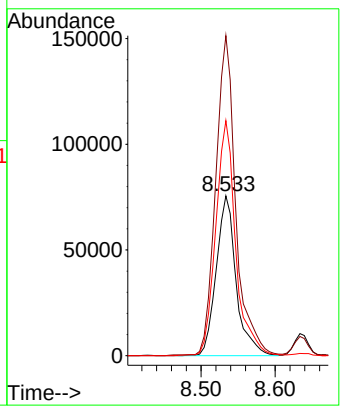




#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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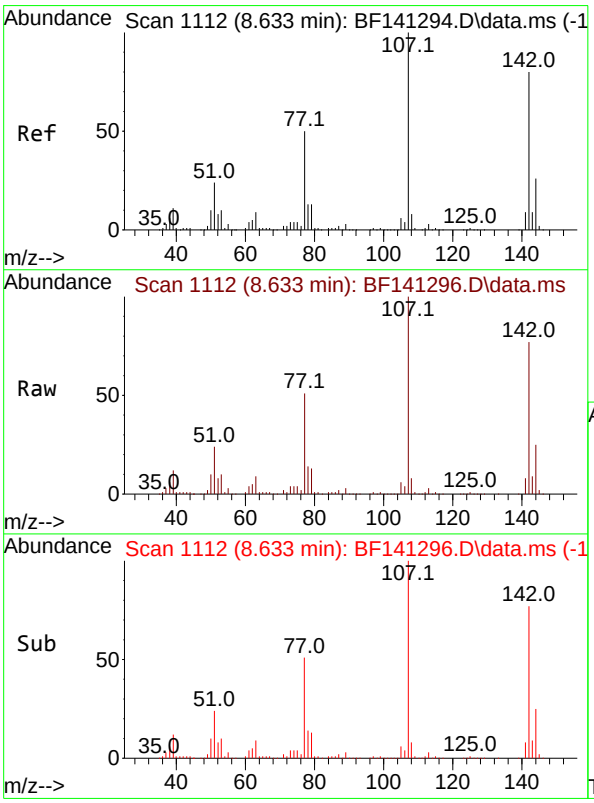
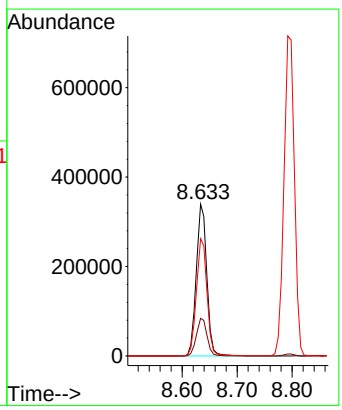
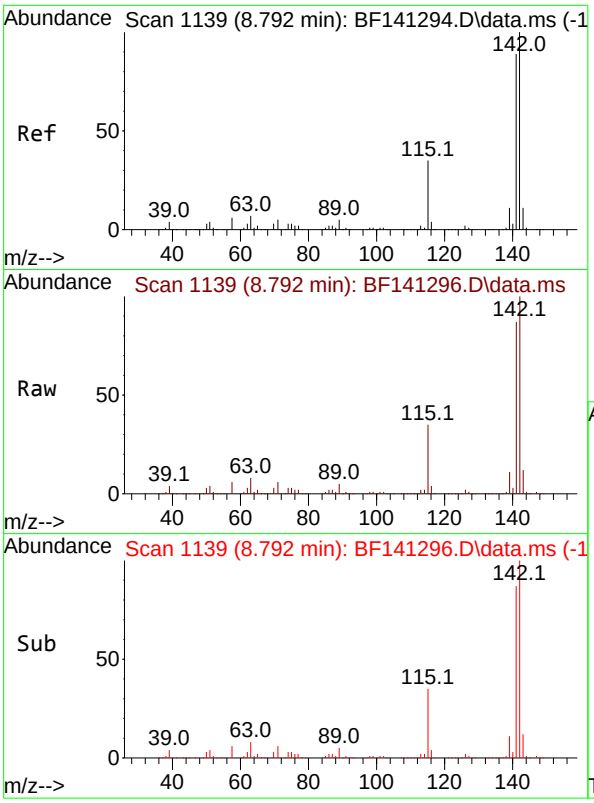


#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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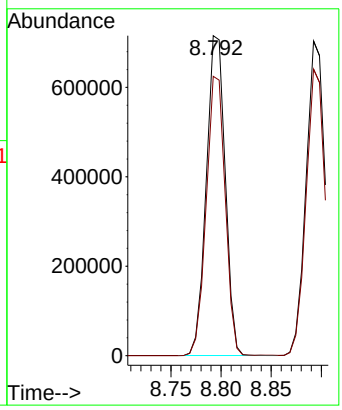
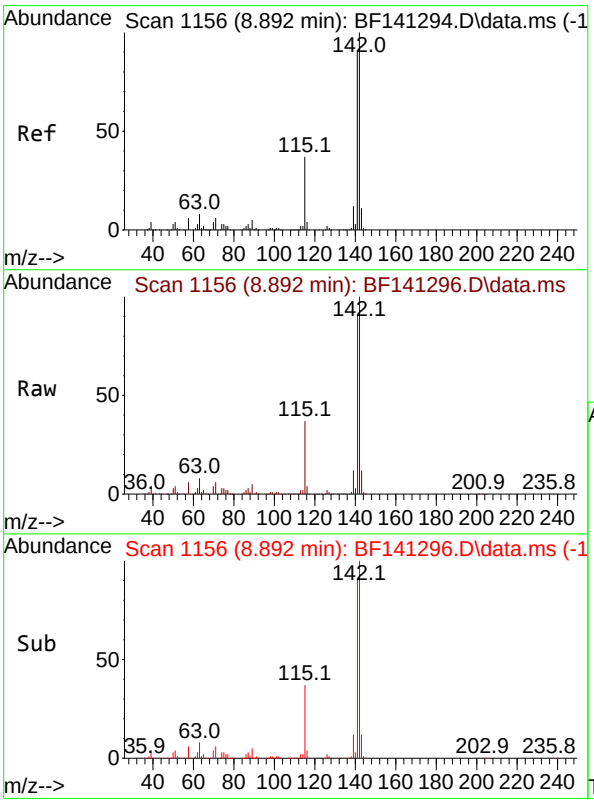
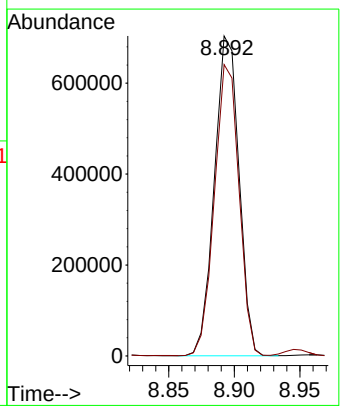


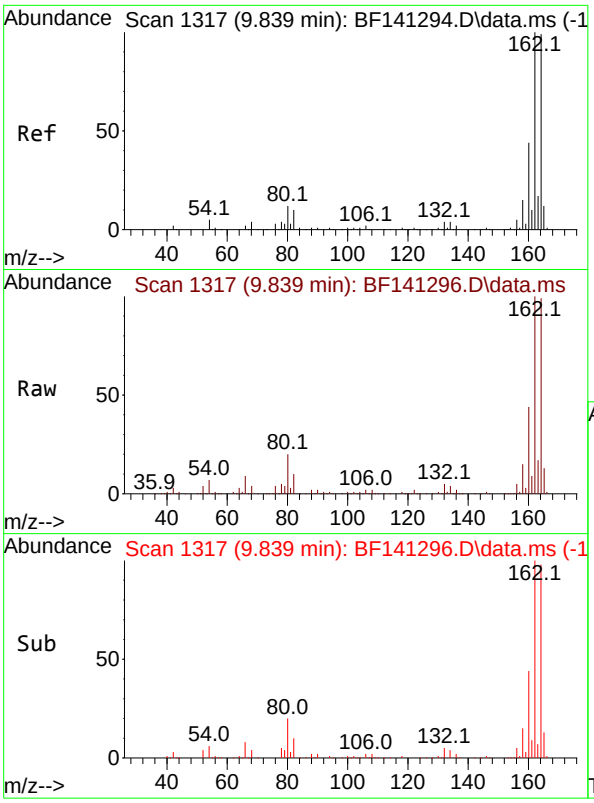


#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

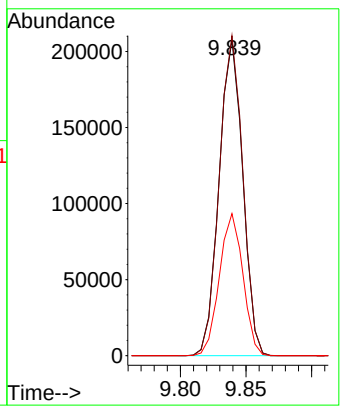




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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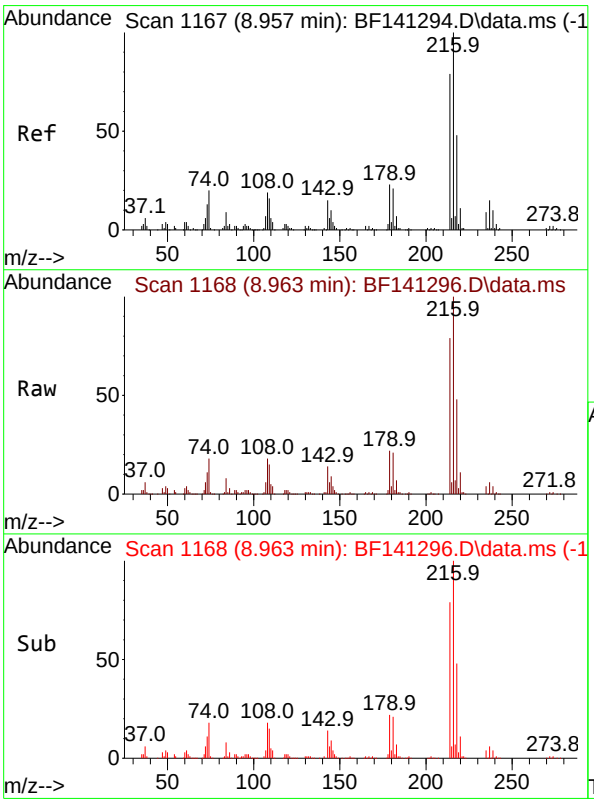
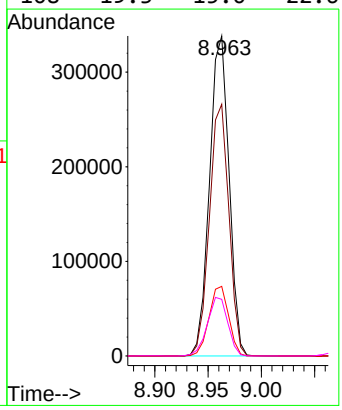
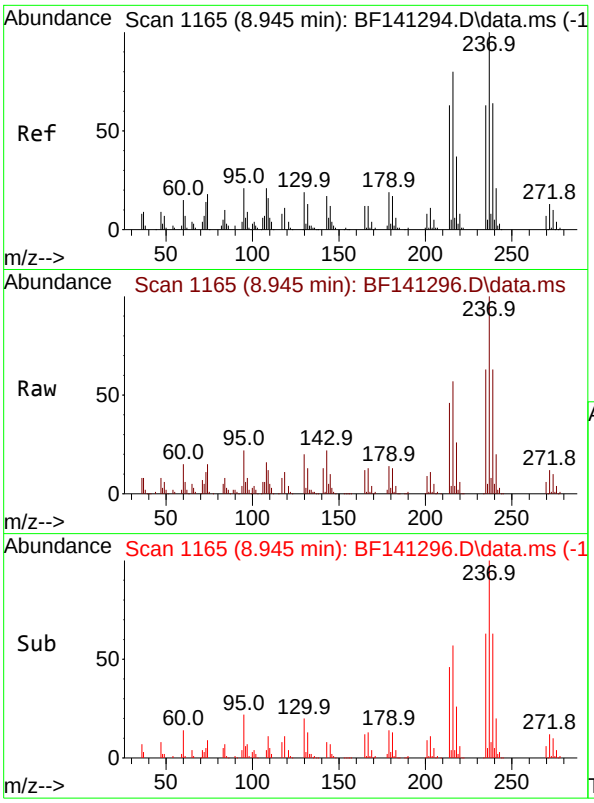


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.609 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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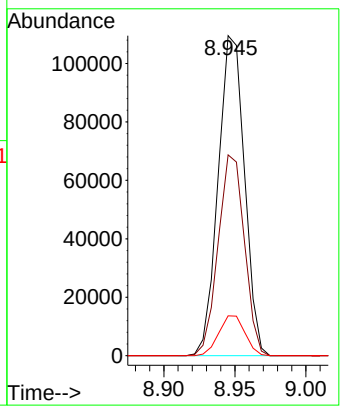
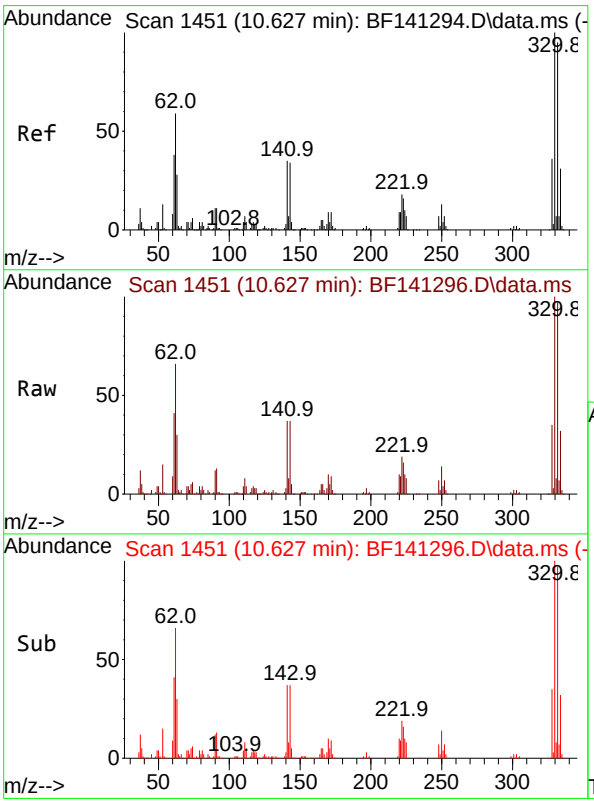
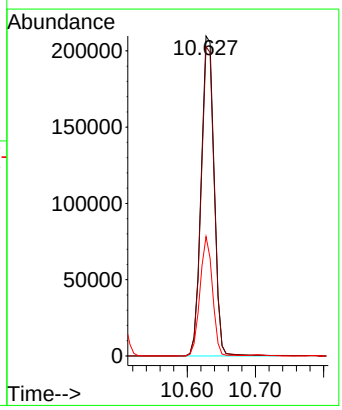


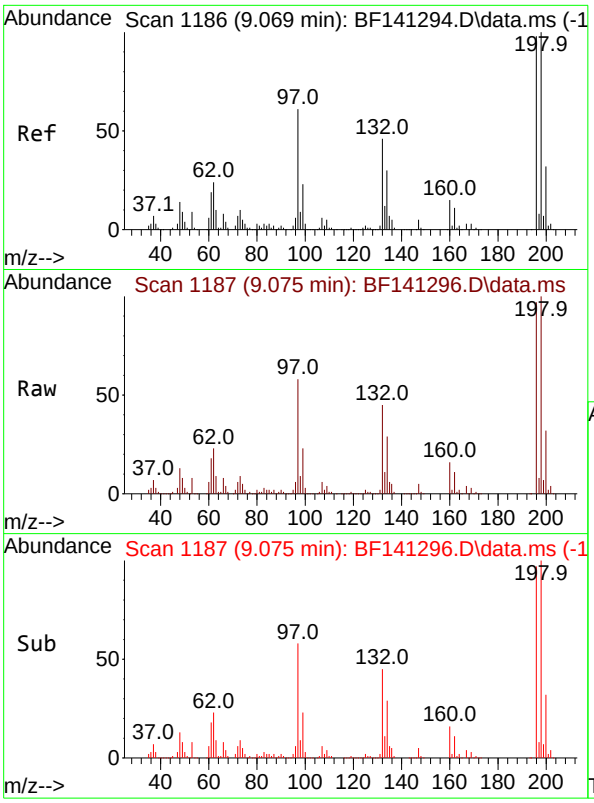


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

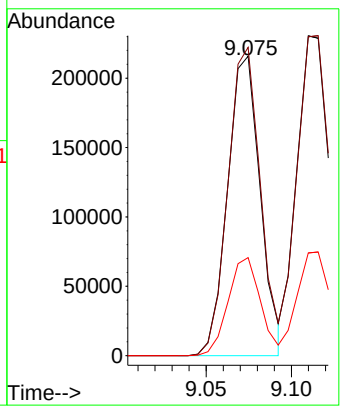




#43
2,4,6-Trichlorophenol
Concen: 58.588 ng
RT: 9.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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ClientSampleId :
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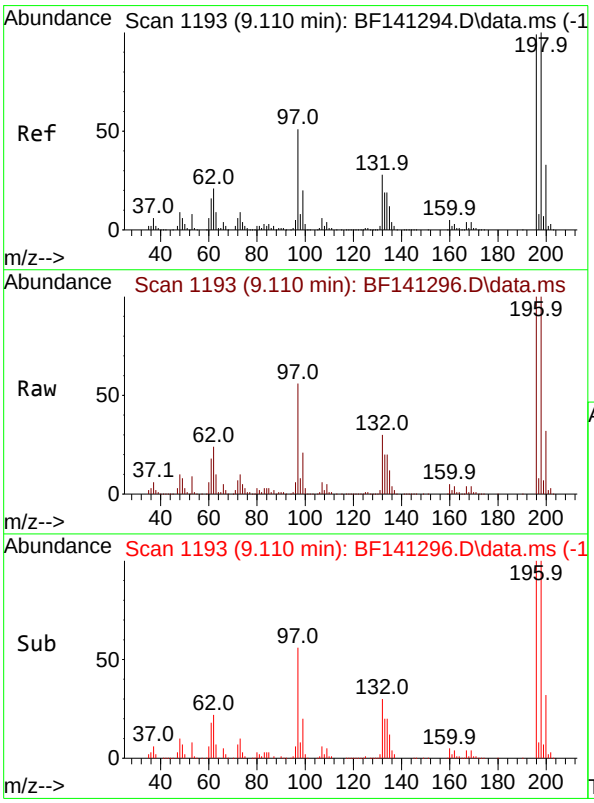
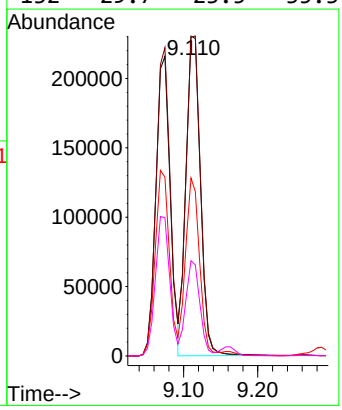
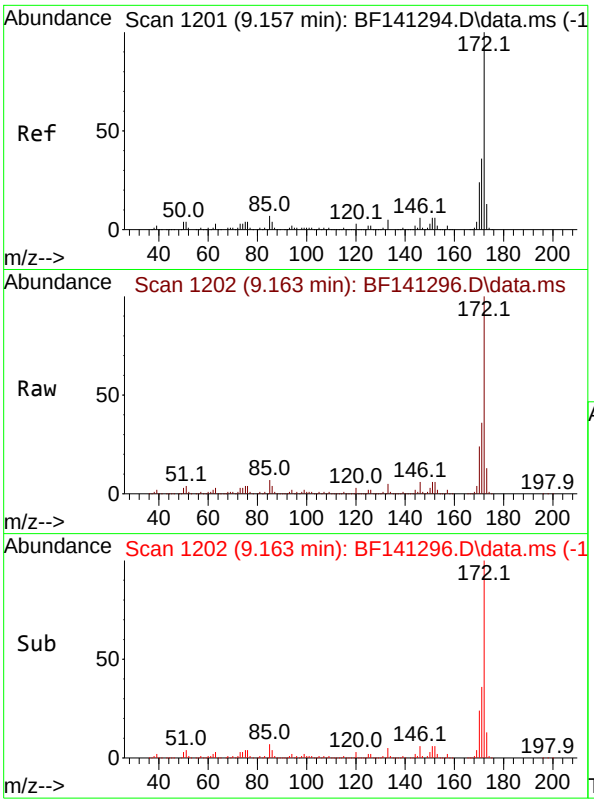


#44
2,4,5-Trichlorophenol
Concen: 59.000 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

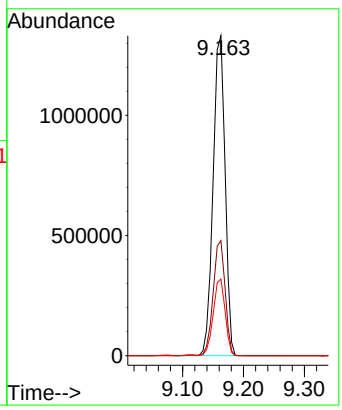




#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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ClientSampleId :
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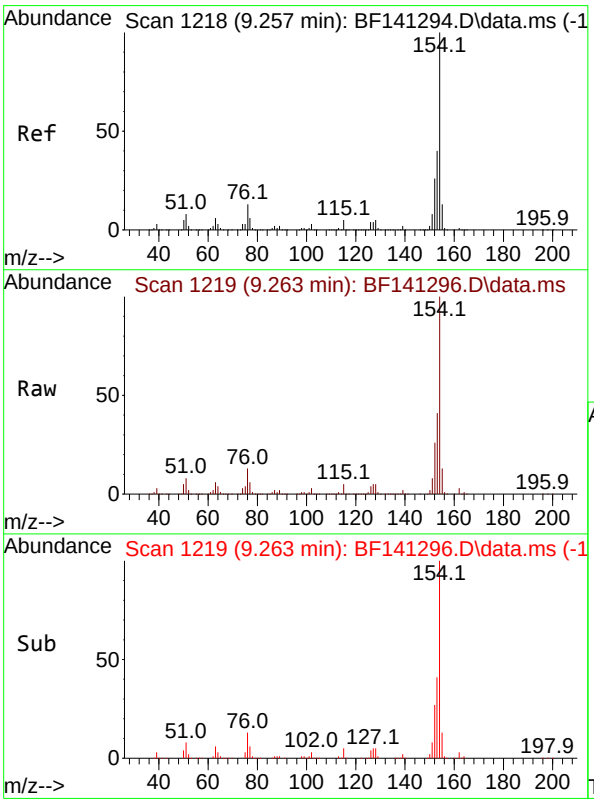
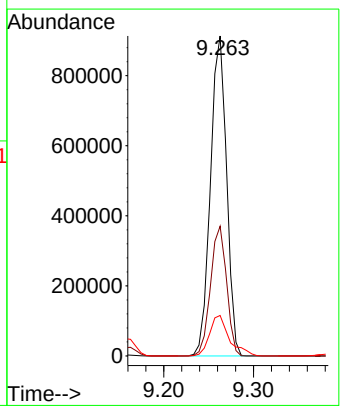
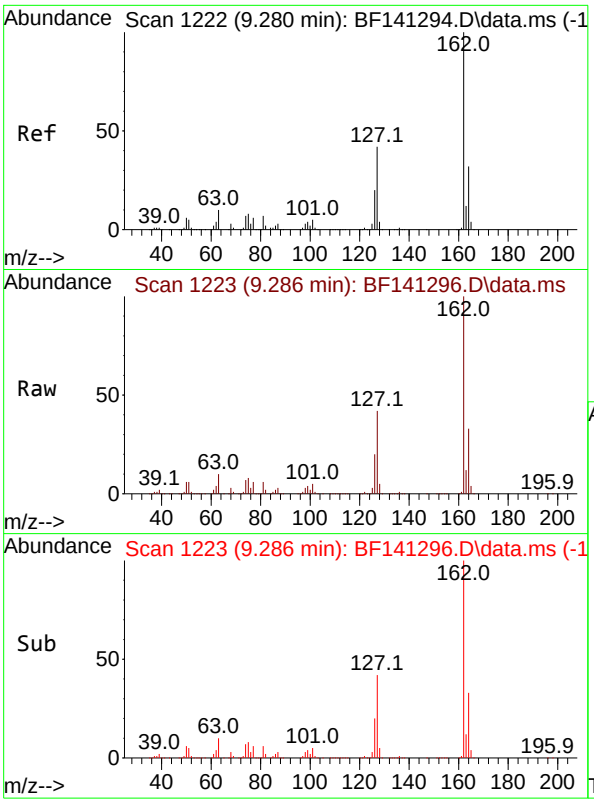


#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

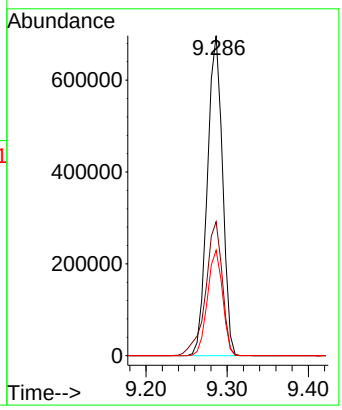




#47
2-Chloronaphthalene
Concen: 55.247 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
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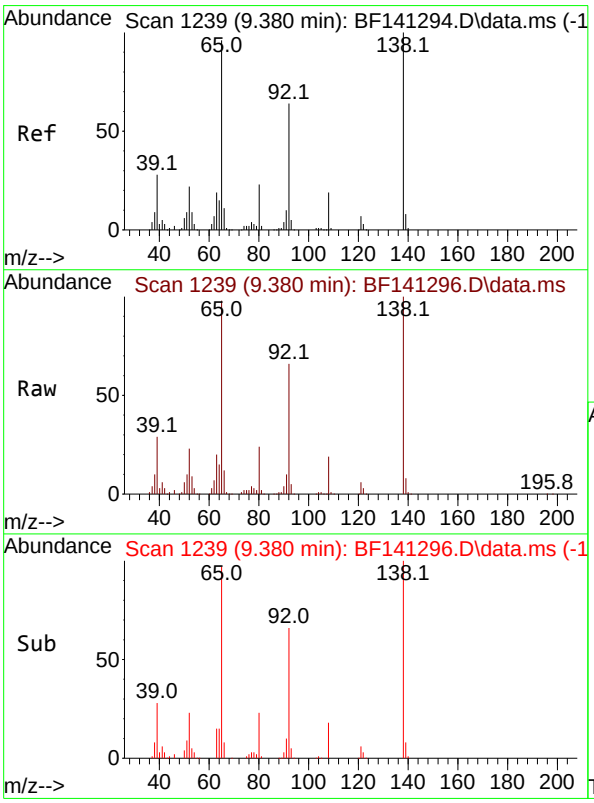
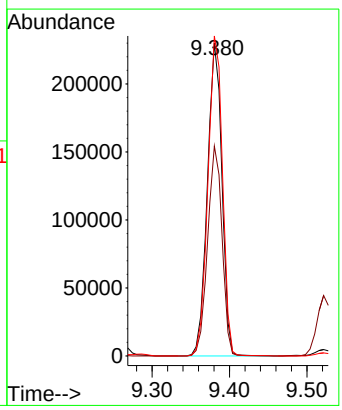
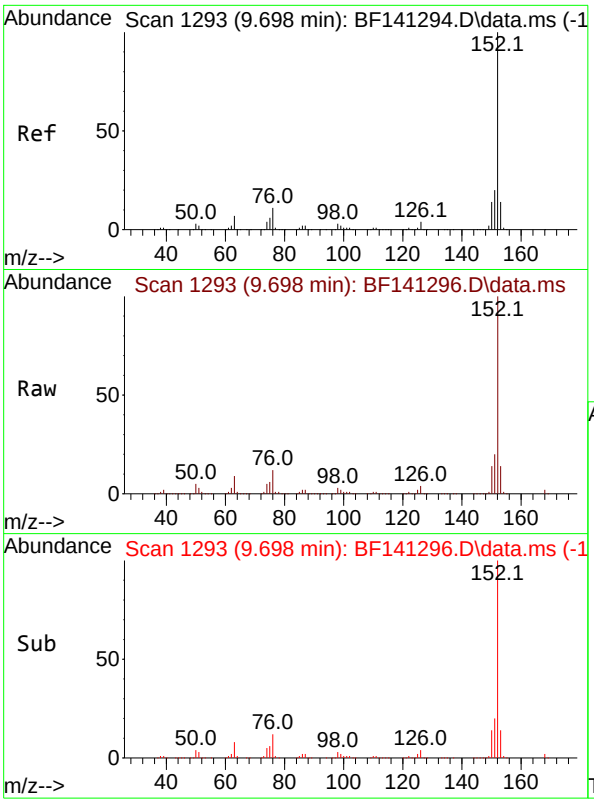


#48
2-Nitroaniline
Concen: 59.861 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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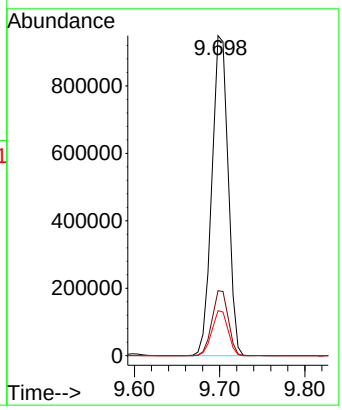
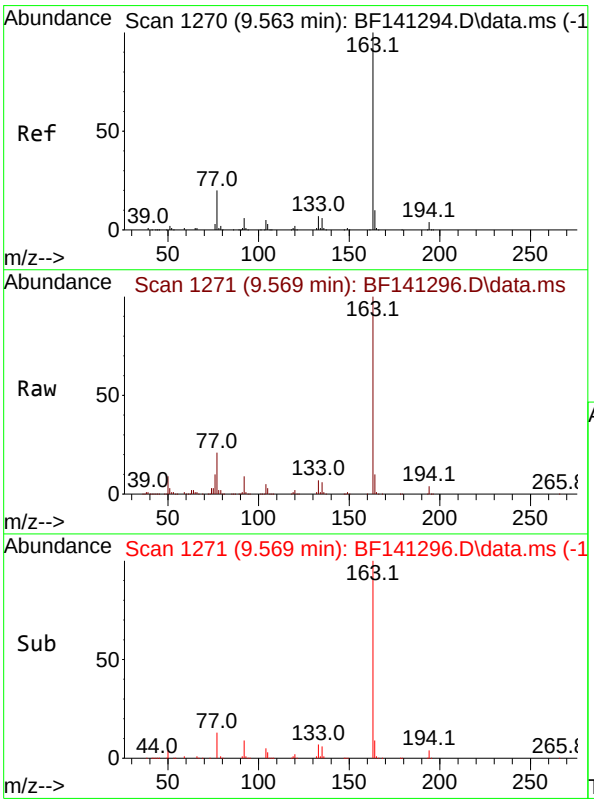
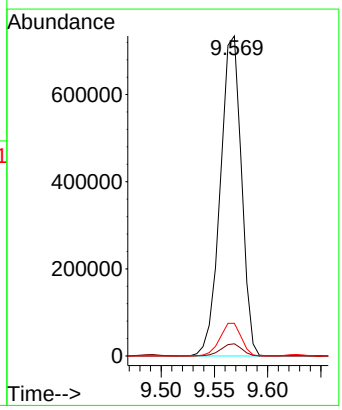


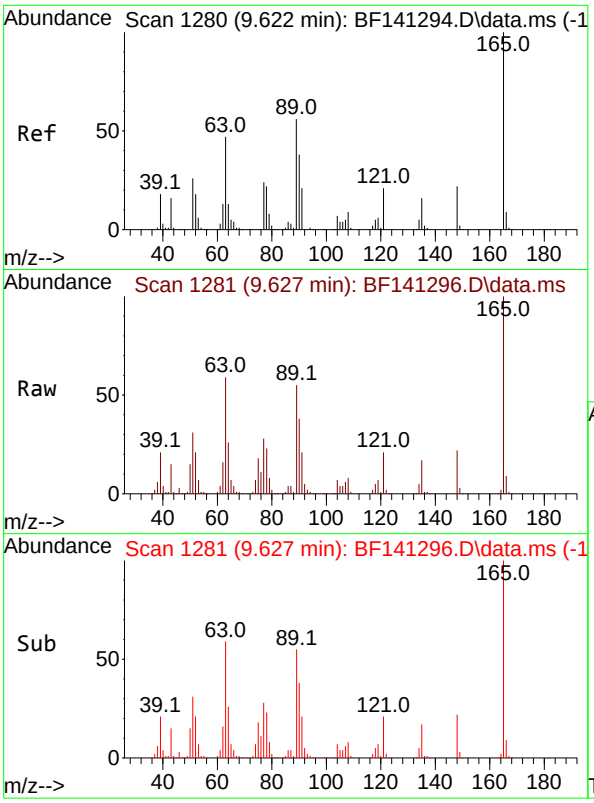


#50
Dimethylphthalate
Concen: 56.075 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

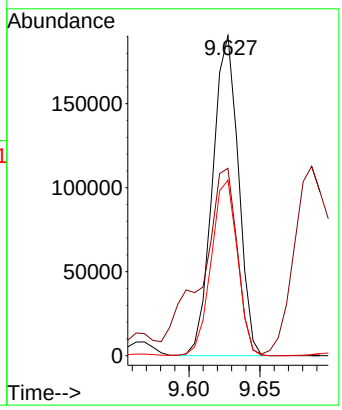




#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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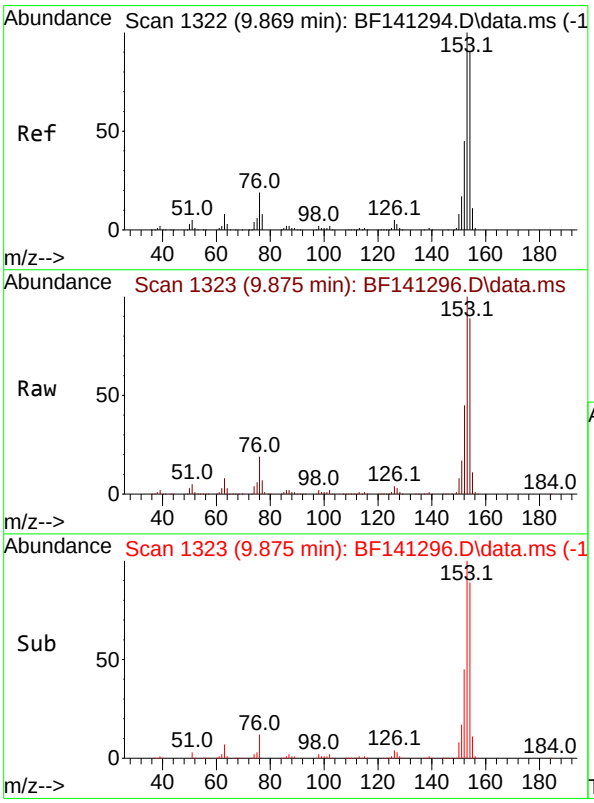
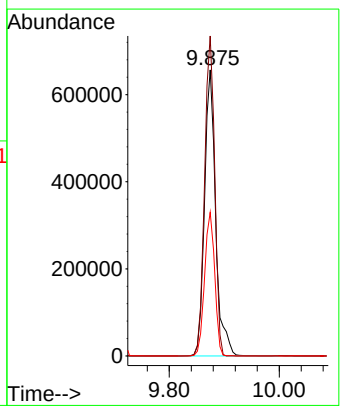
Supervised By :mohammad ahmed 02/04/2025

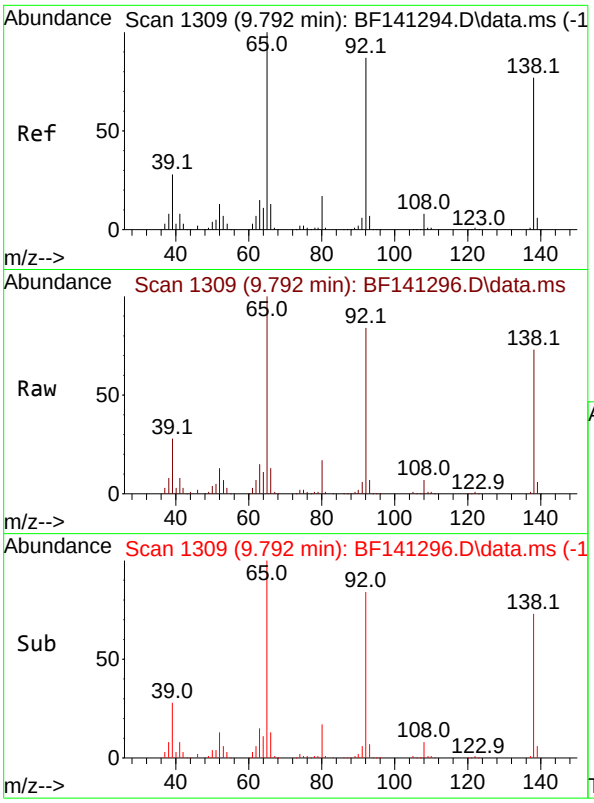


#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
SSTDICC060

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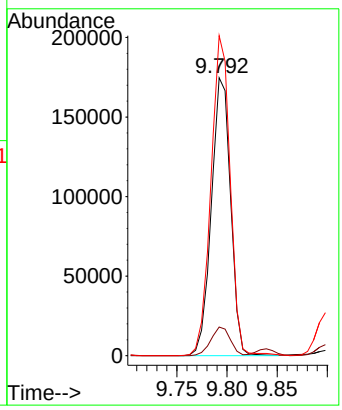
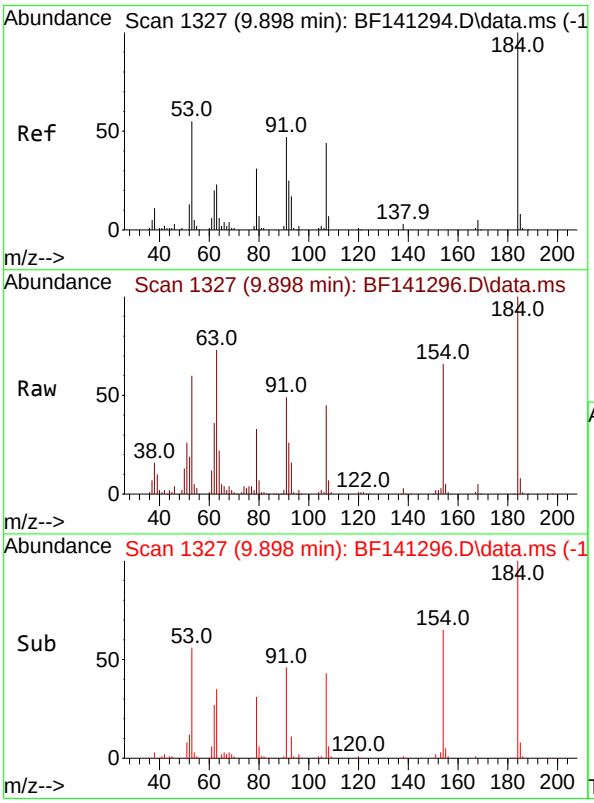
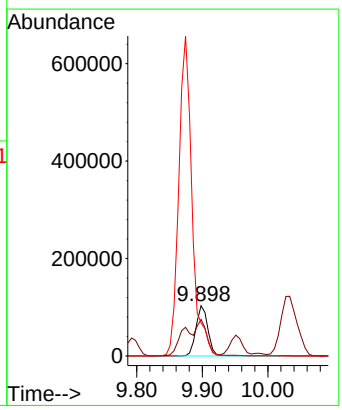


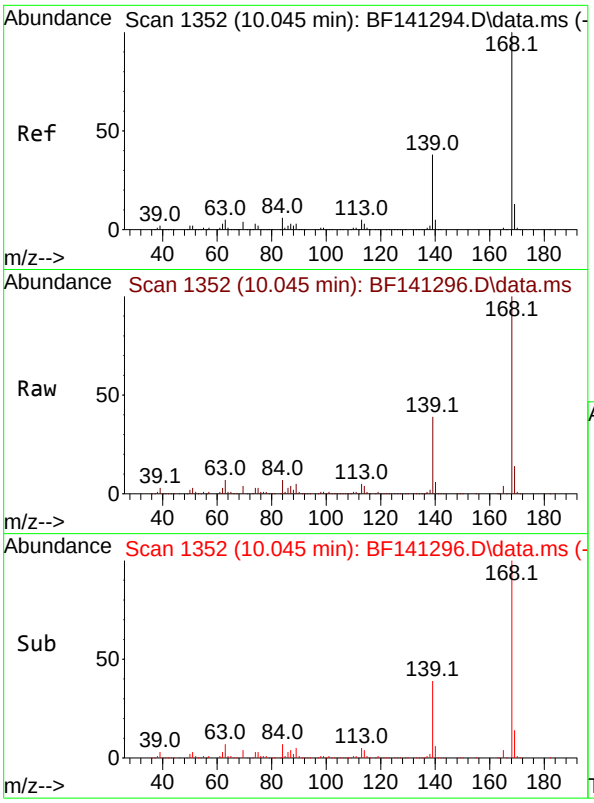


#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

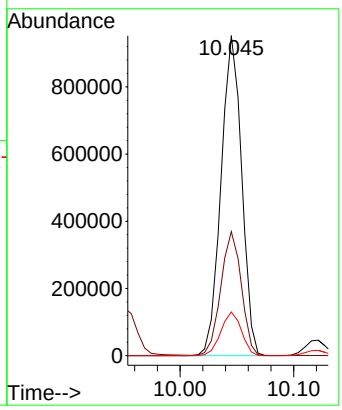




#55
Dibenzofuran
Concen: 54.629 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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ClientSampleId :
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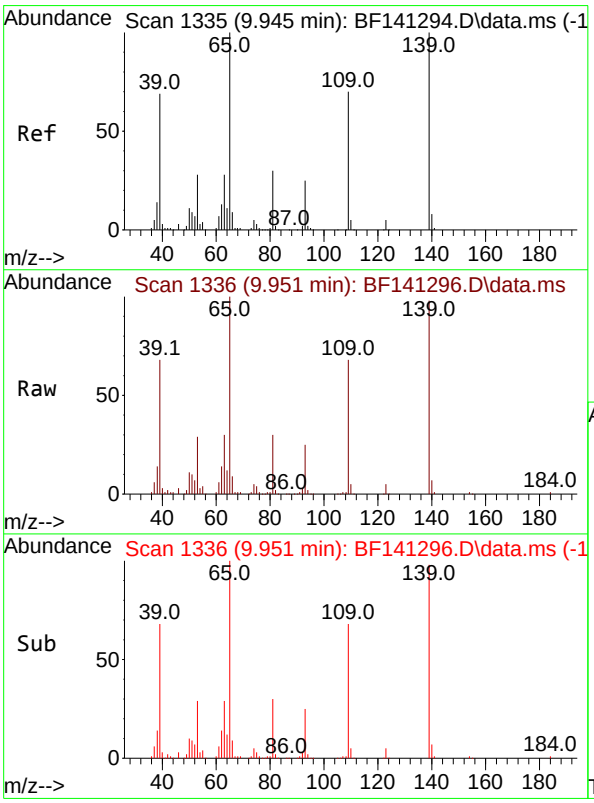
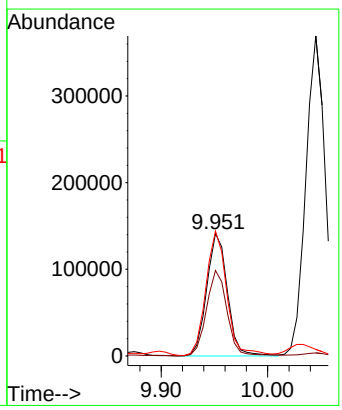
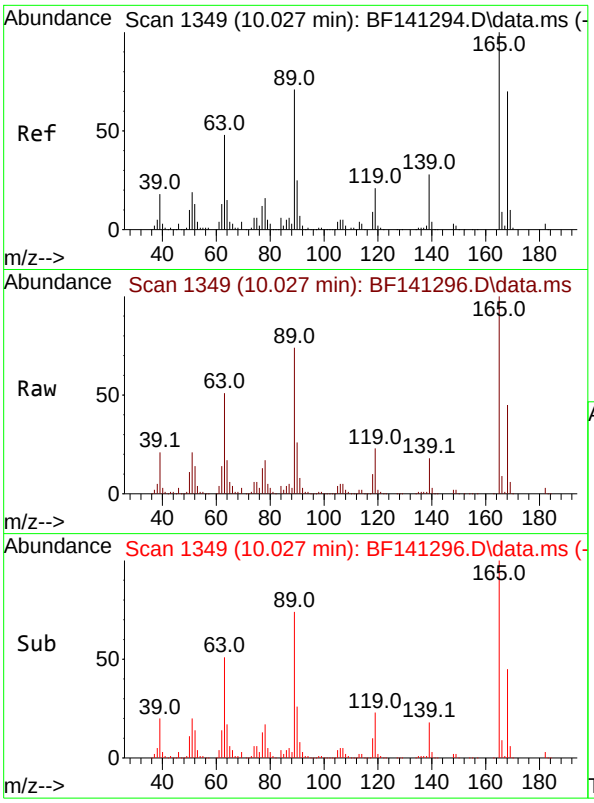


#56
4-Nitrophenol
Concen: 66.120 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

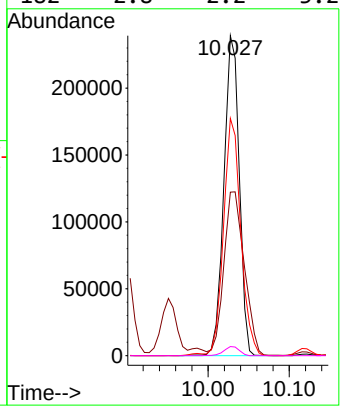




#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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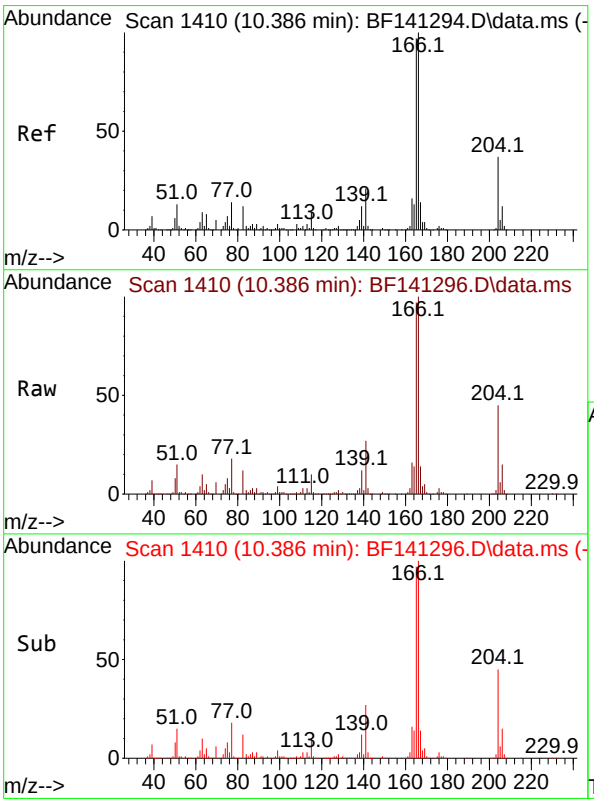
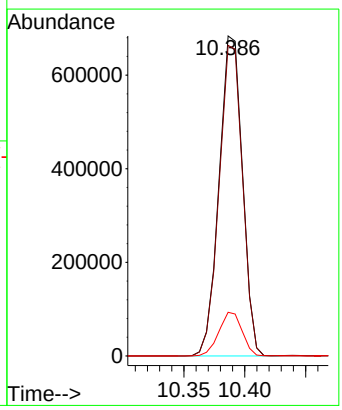
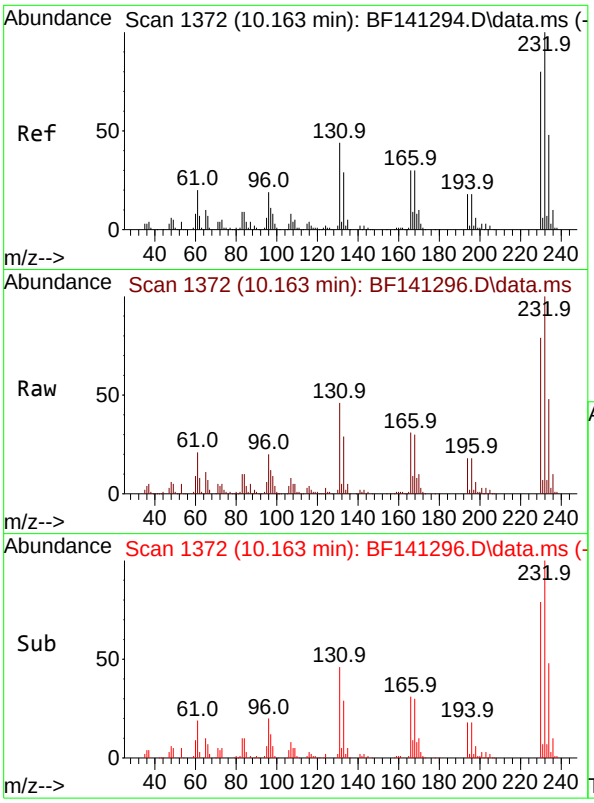


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

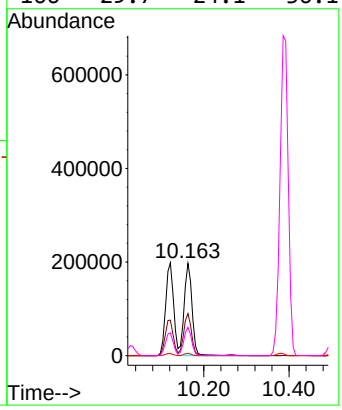




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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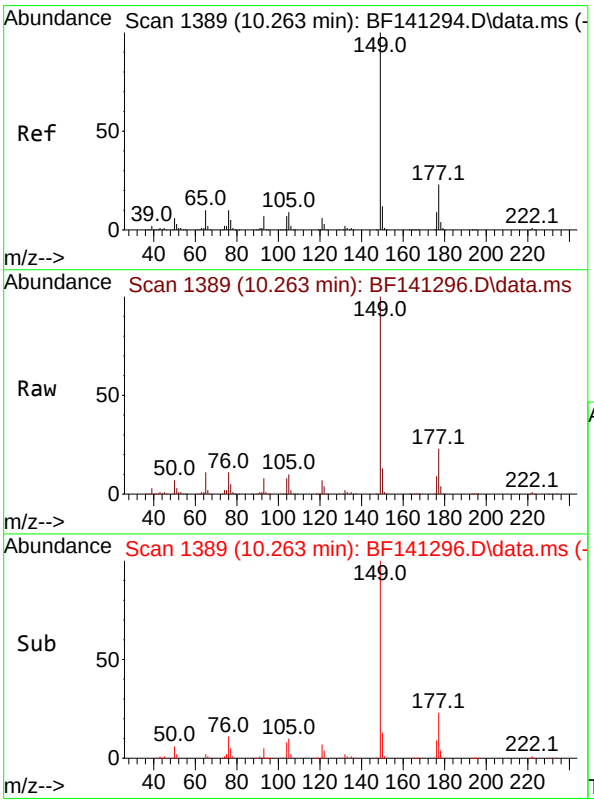
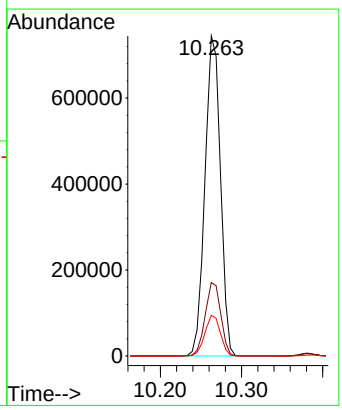
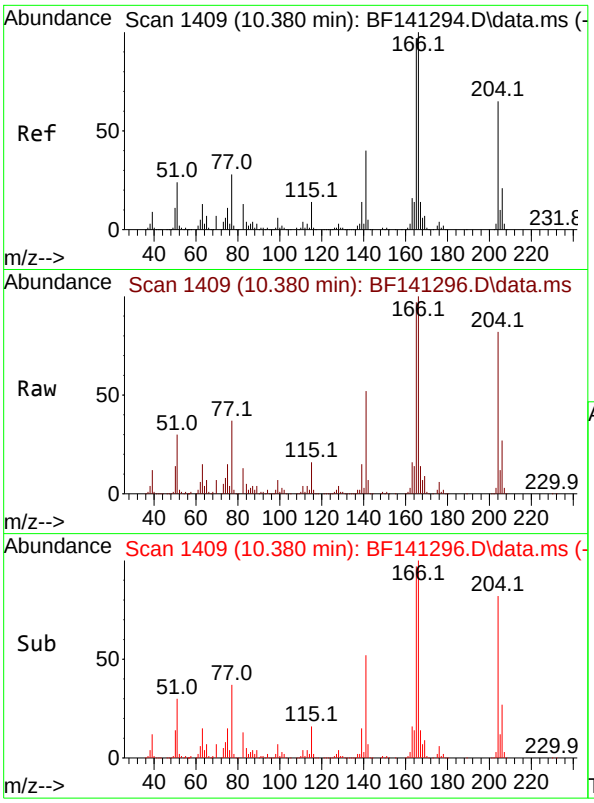


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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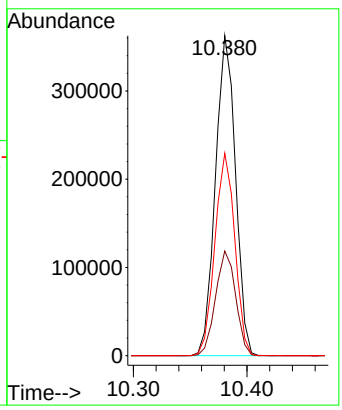
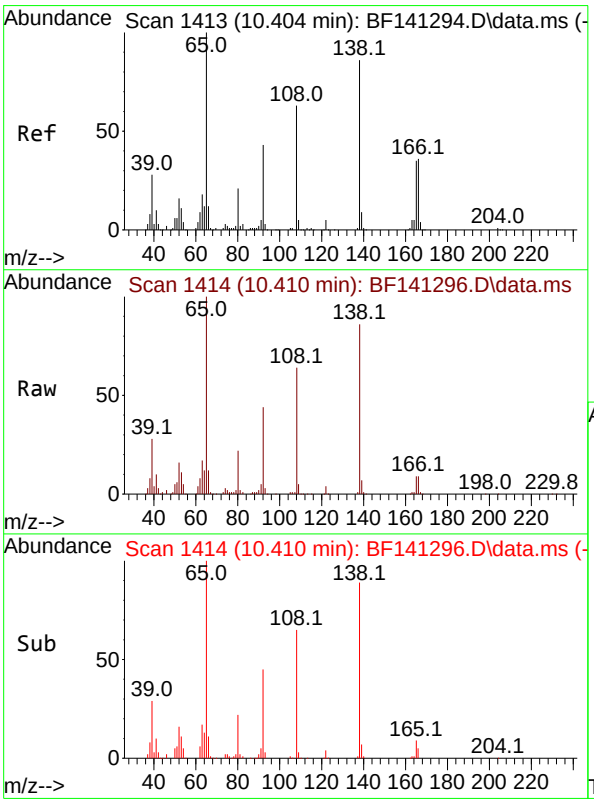
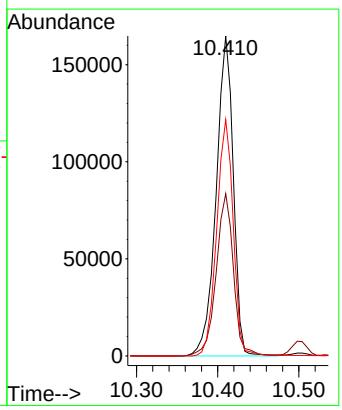


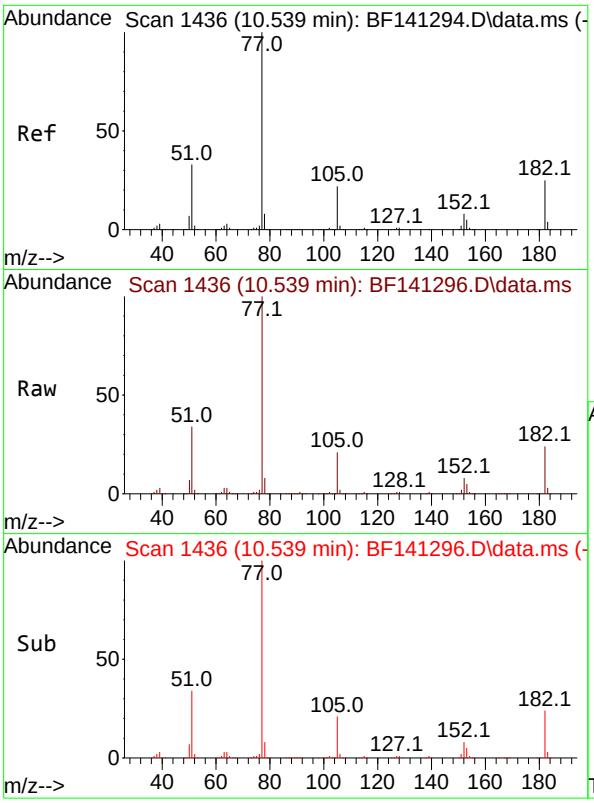


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

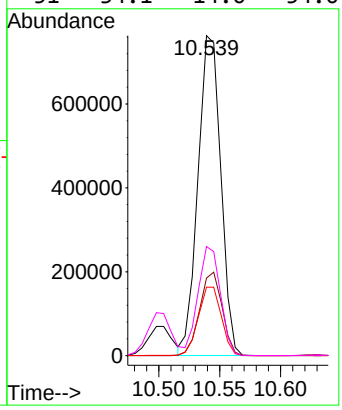




#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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



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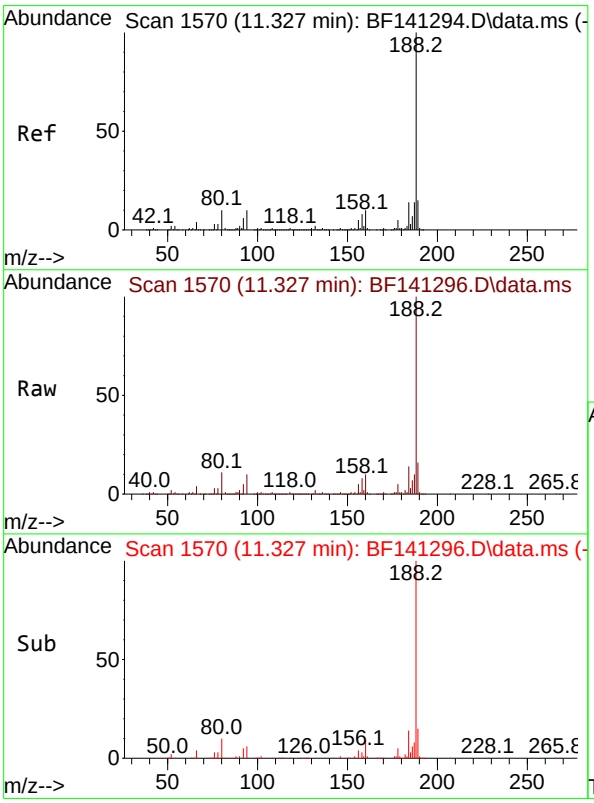
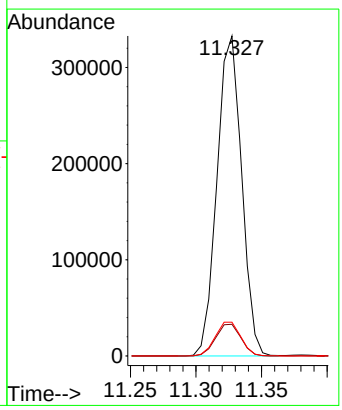
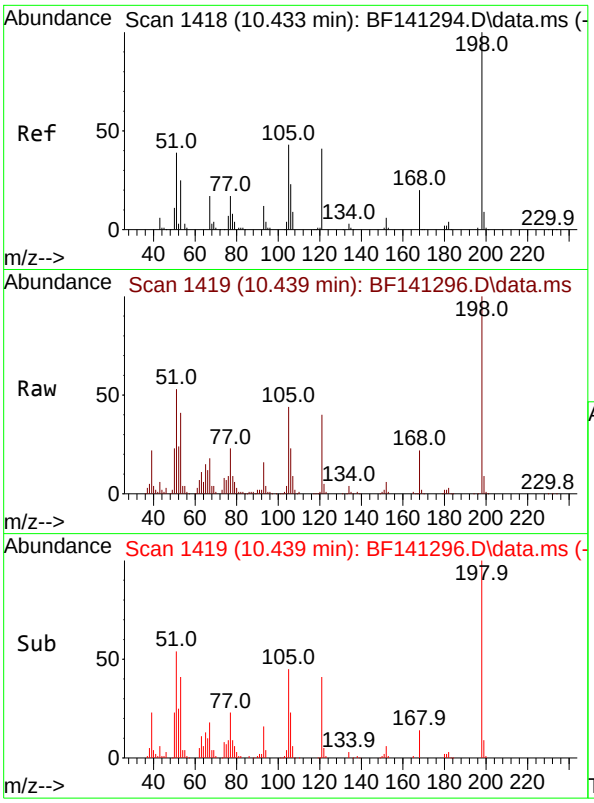


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
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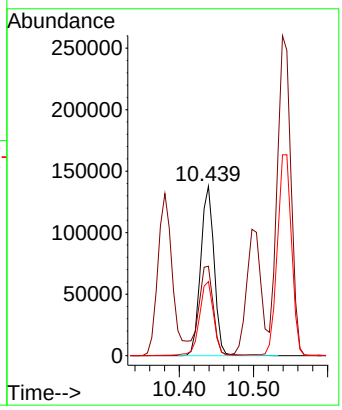
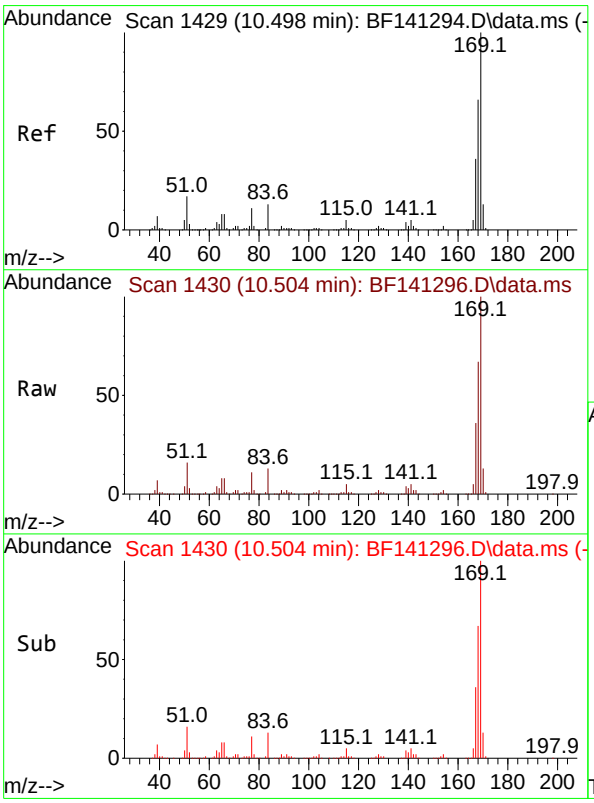
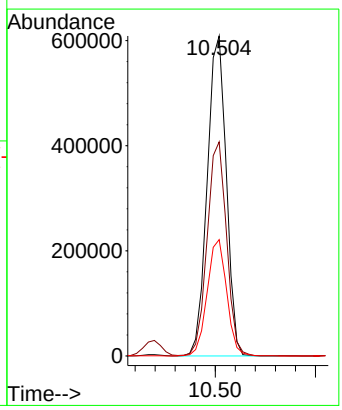


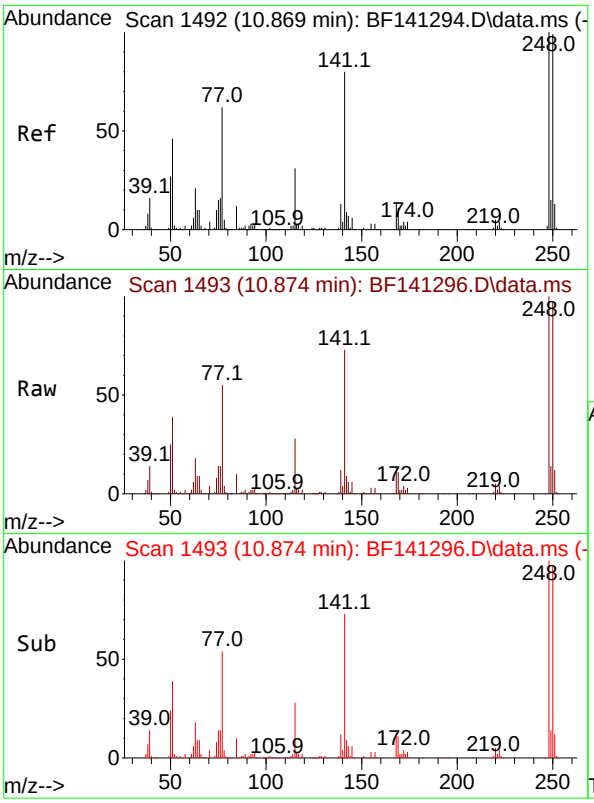


#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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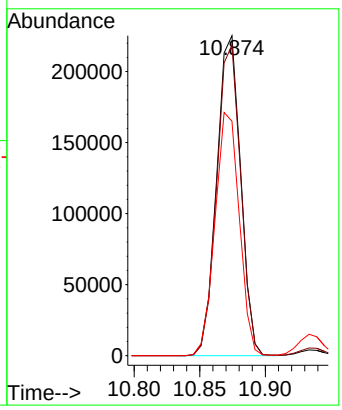
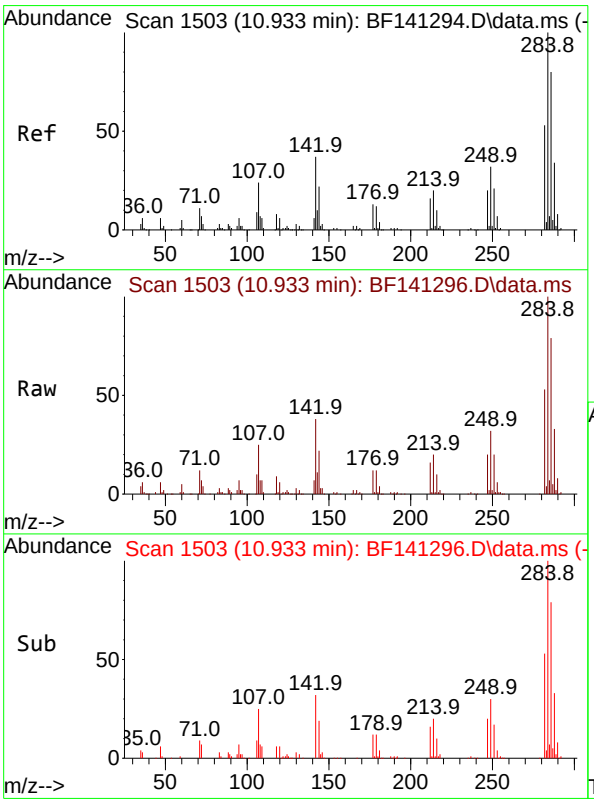
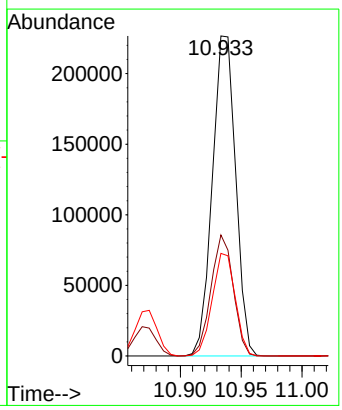


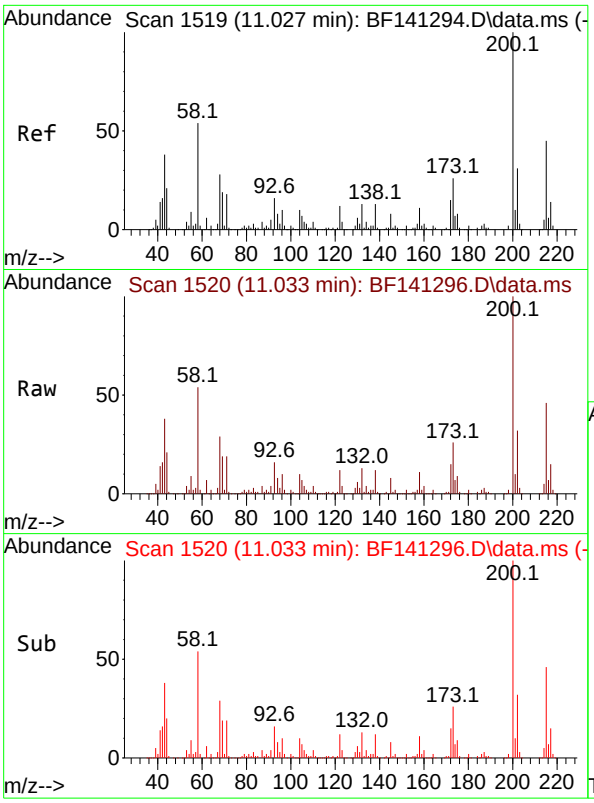


#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

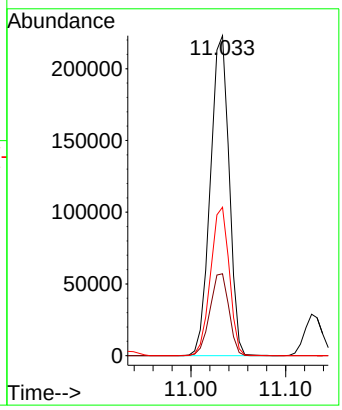




#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
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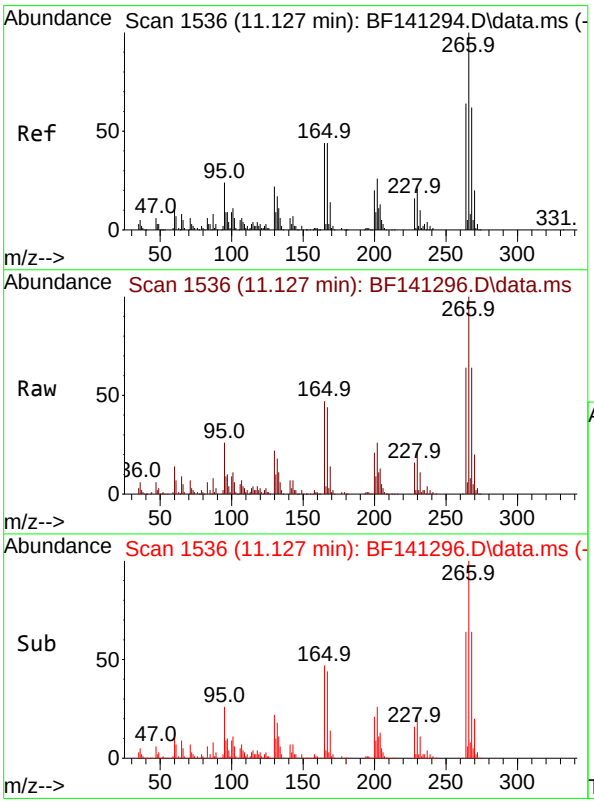
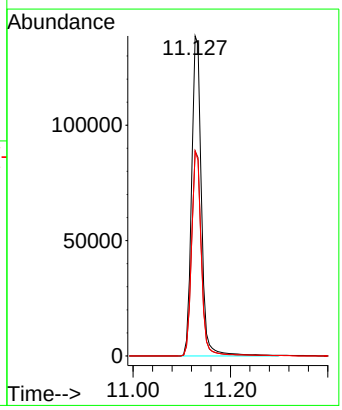
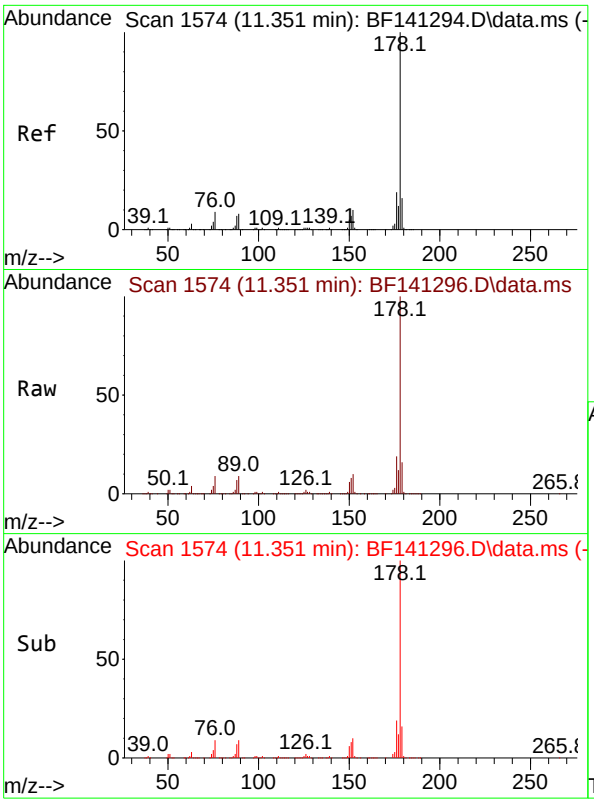


#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

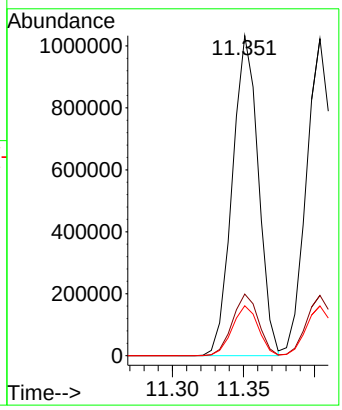




#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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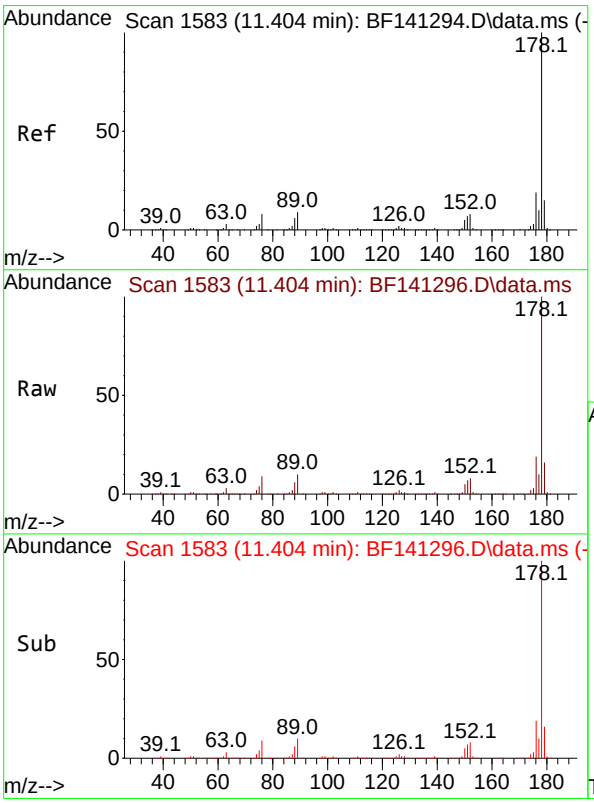
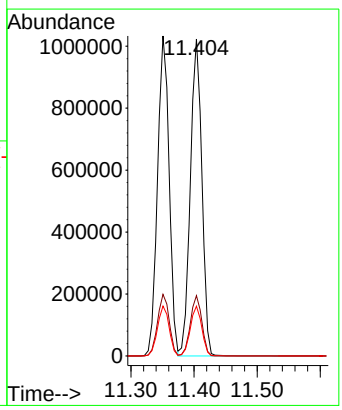
Supervised By :mohammad ahmed 02/04/2025

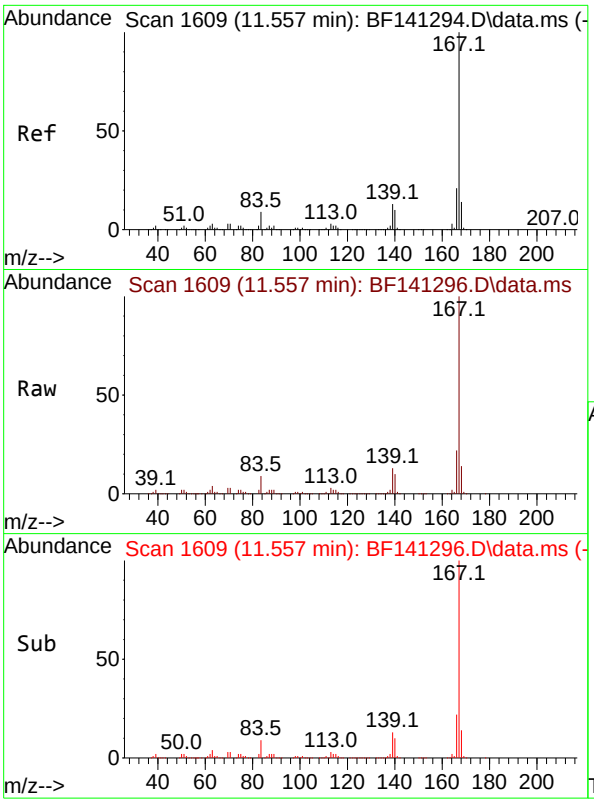


#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

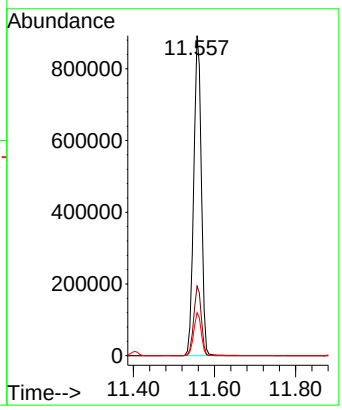




#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
SSTDICC060

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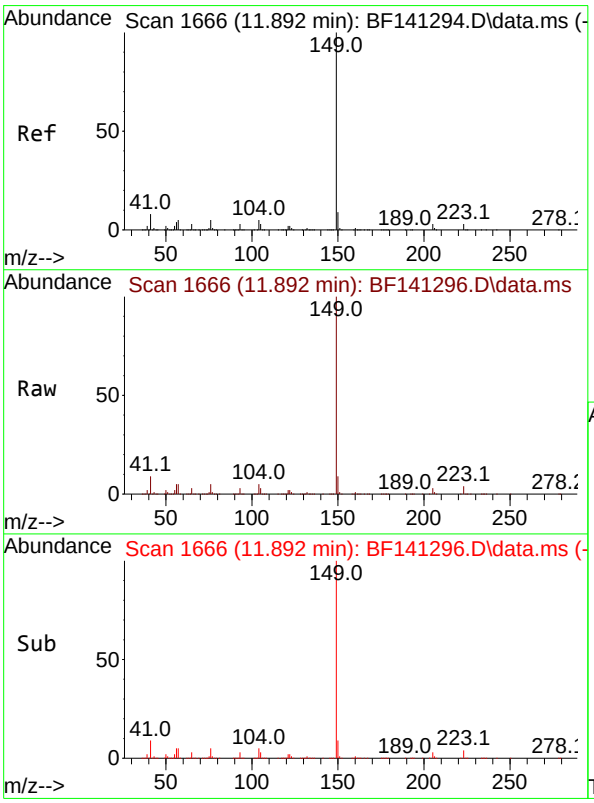
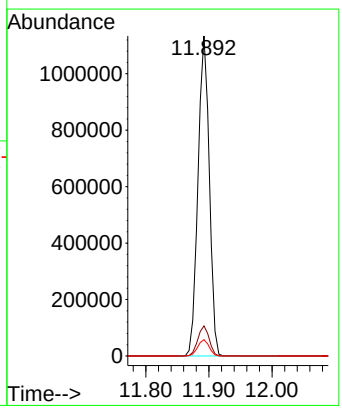
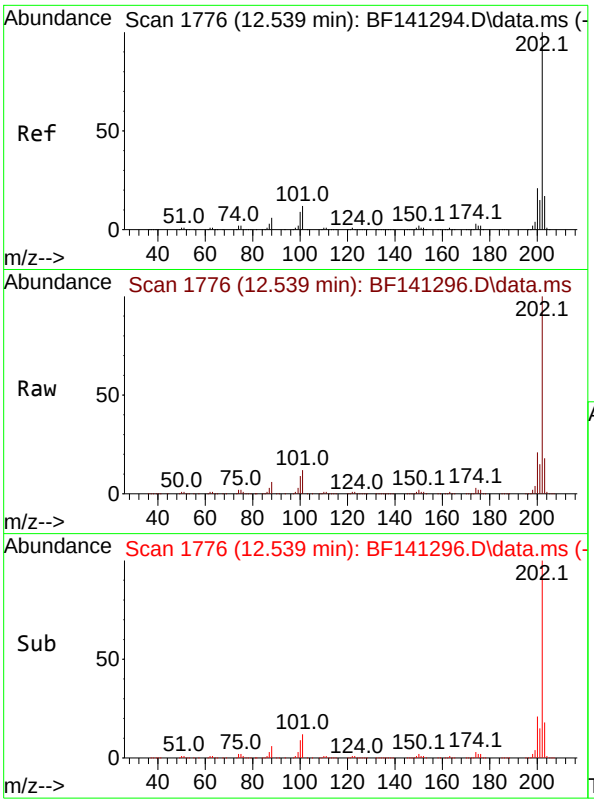


#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

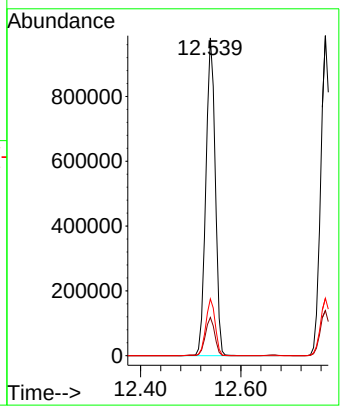




#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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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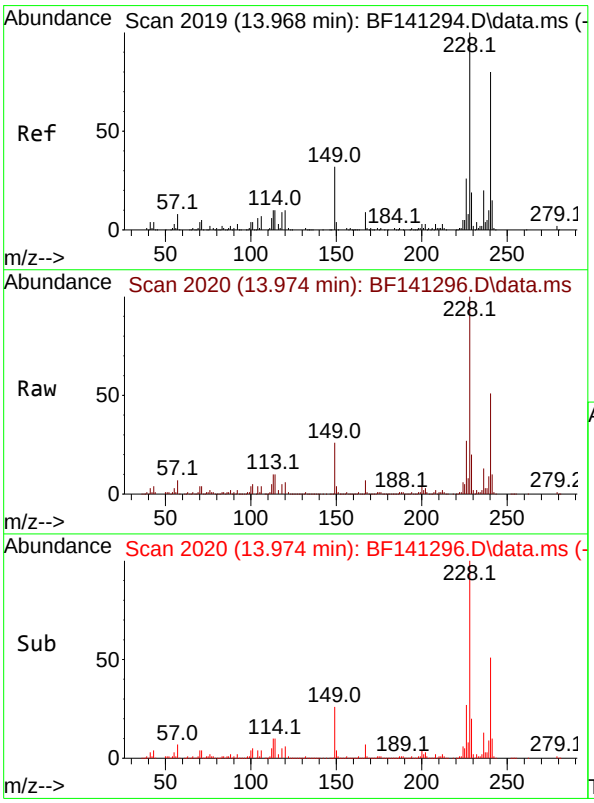
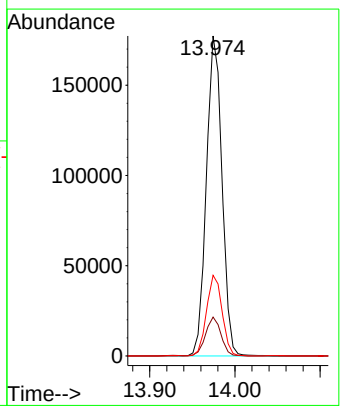
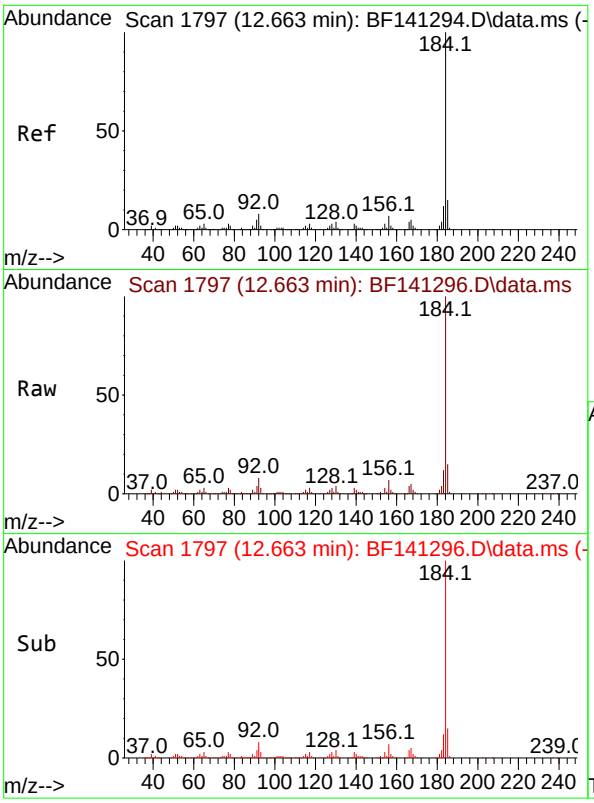


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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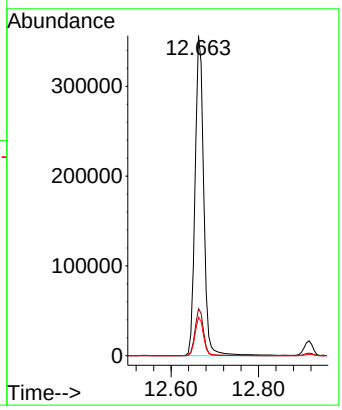
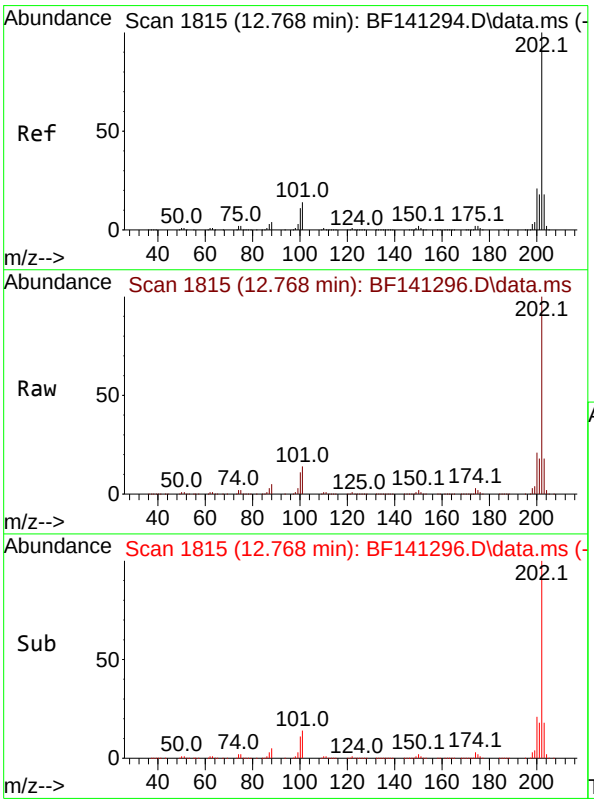
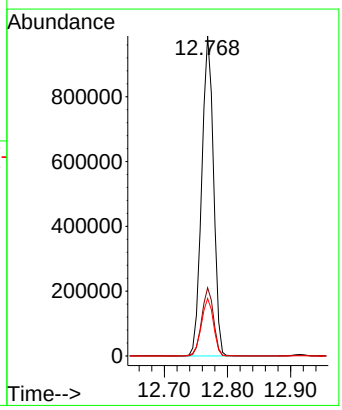


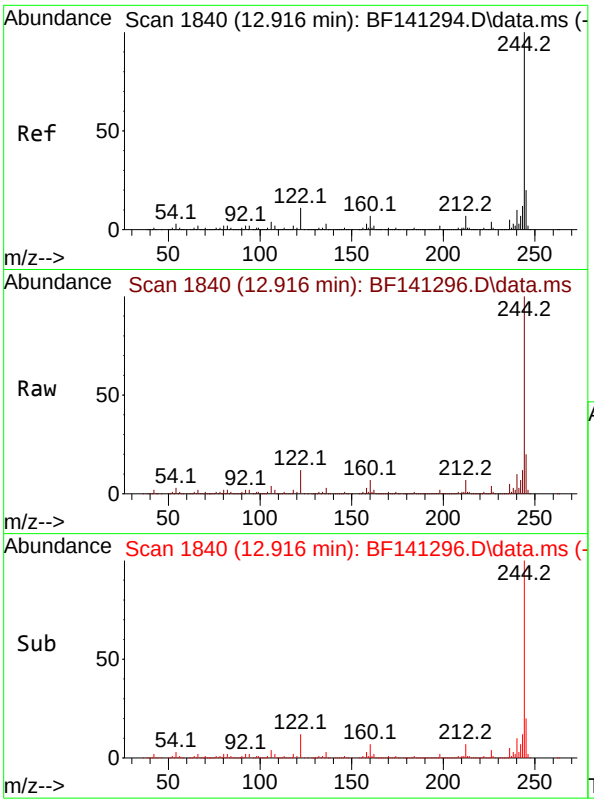


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

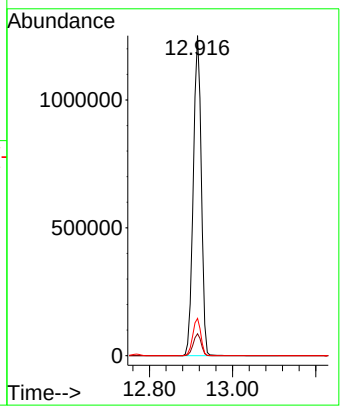




#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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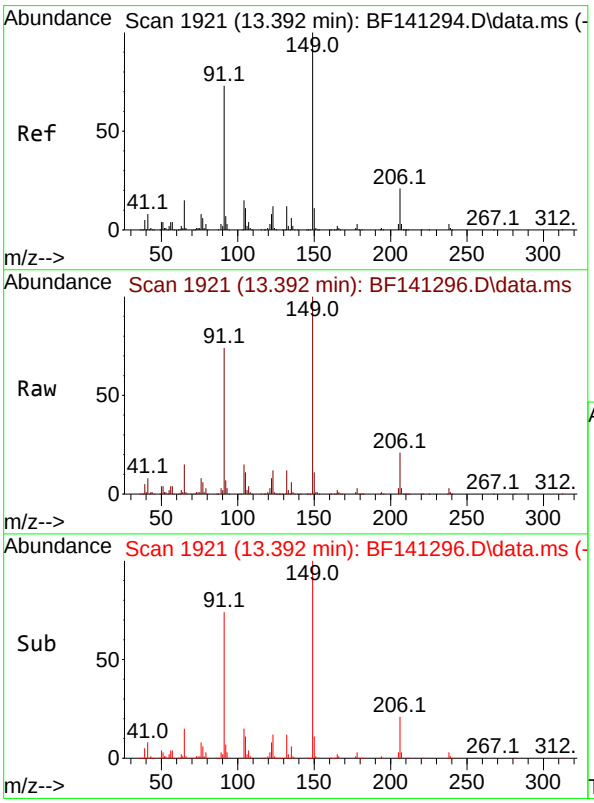
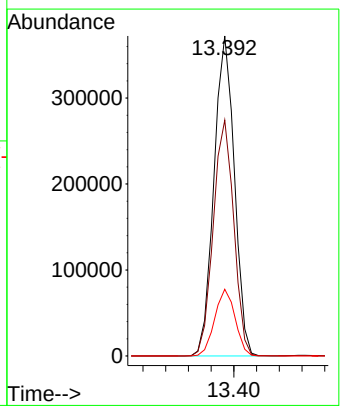
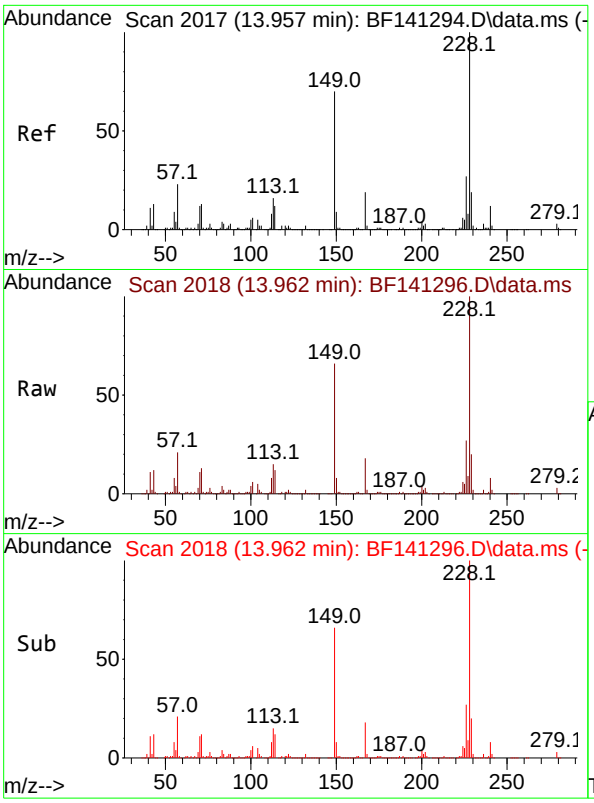


#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

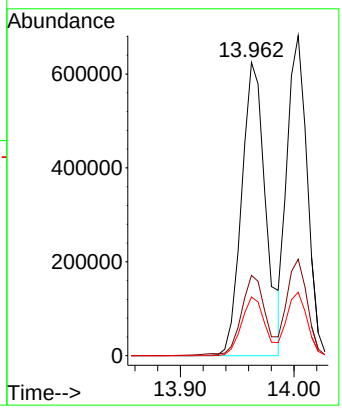




#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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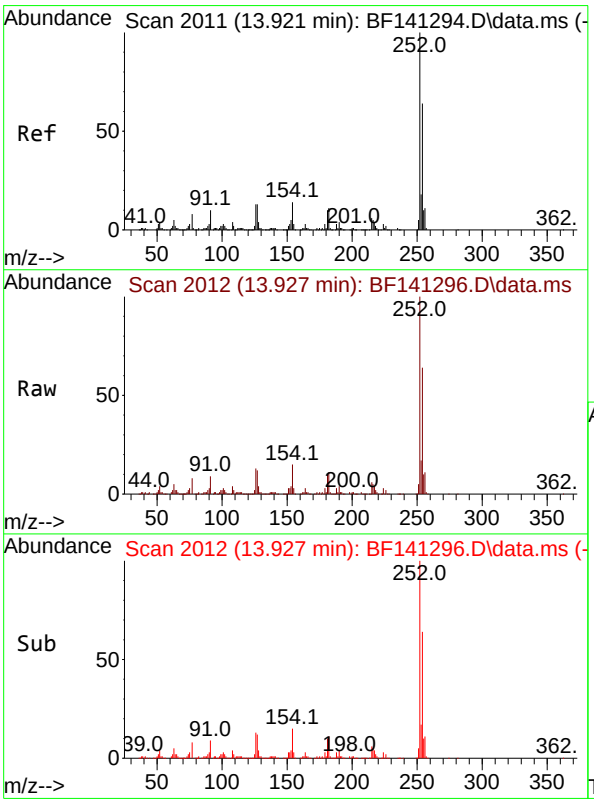
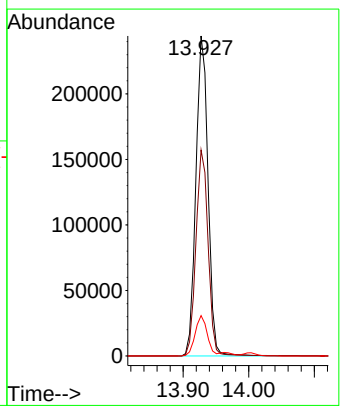
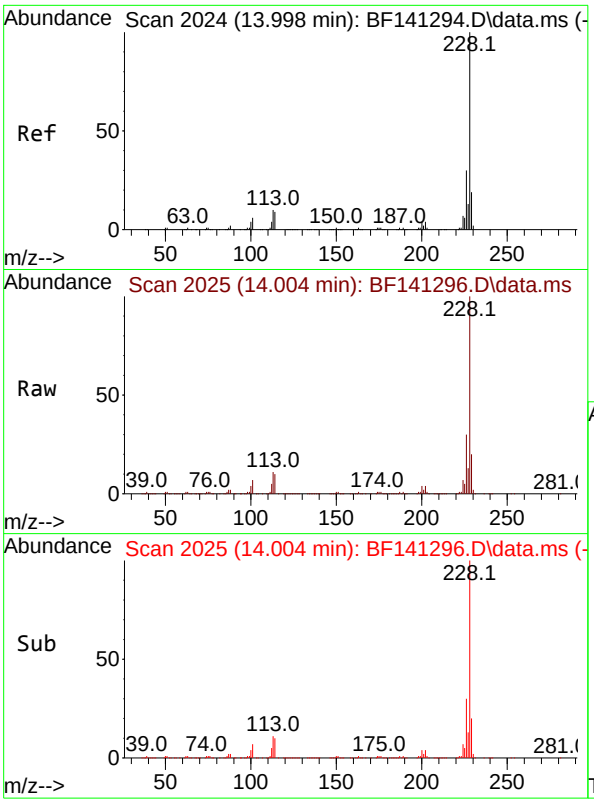


#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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 :
BNA_F
ClientSampleId :
SSTDICC060

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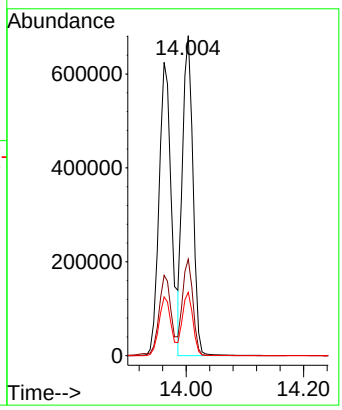
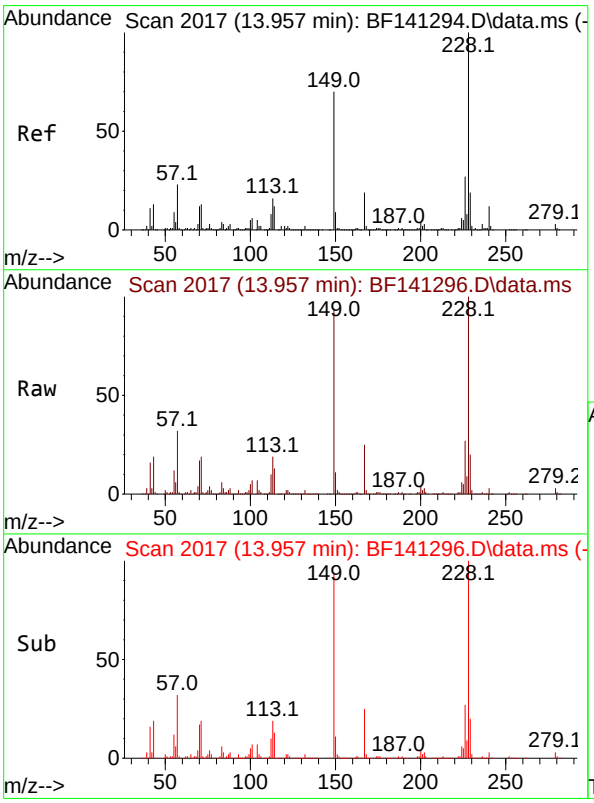
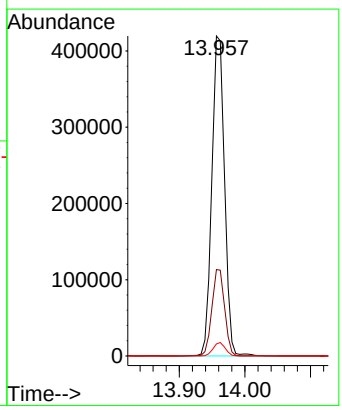


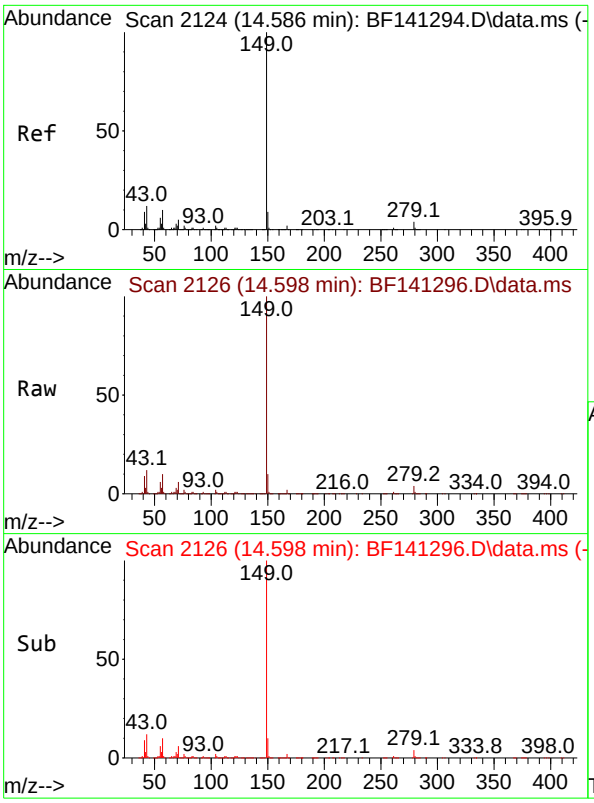


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

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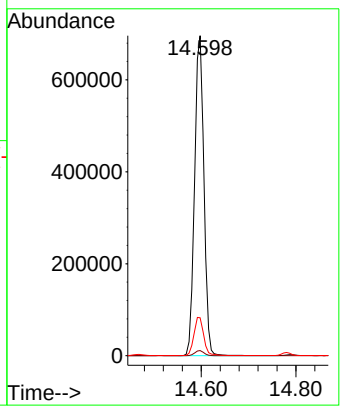
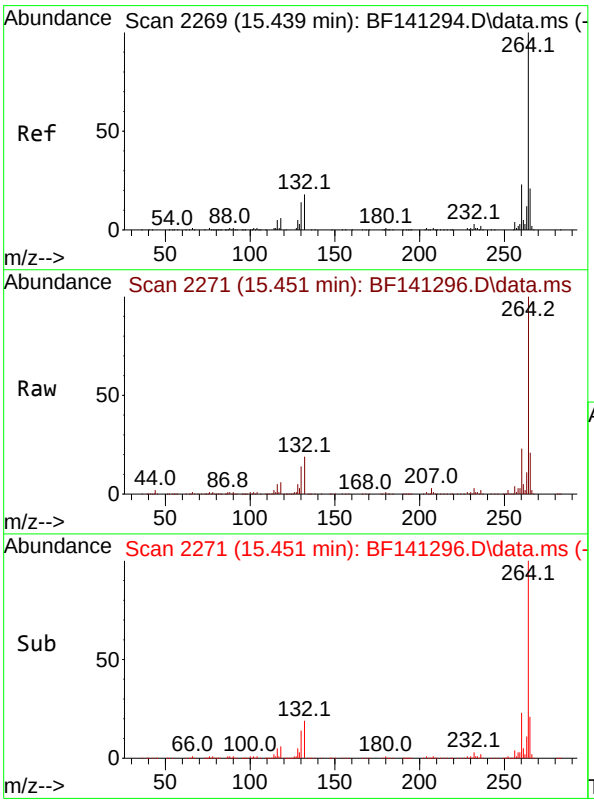
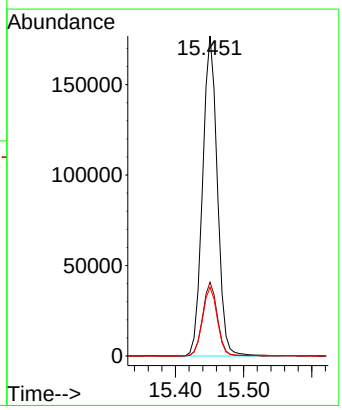


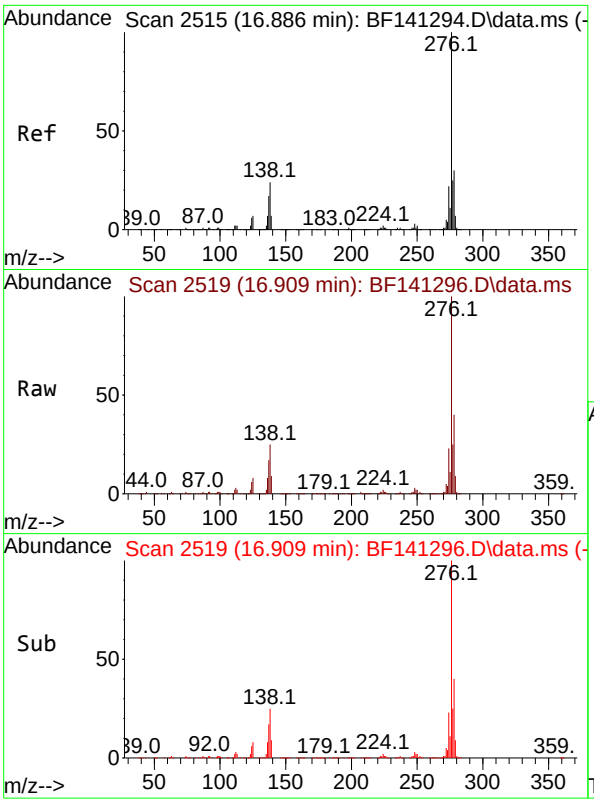


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

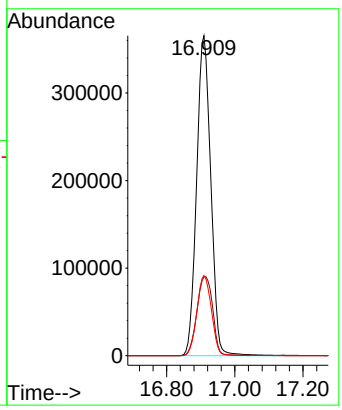




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

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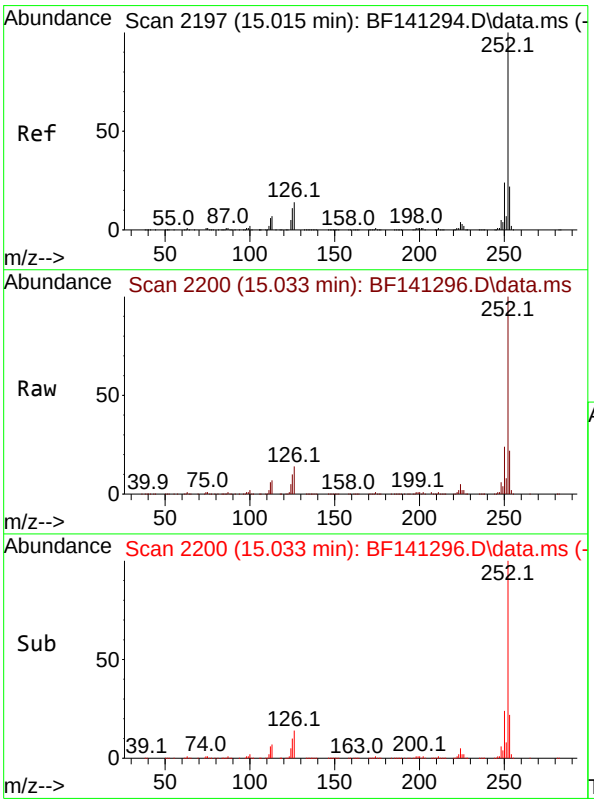
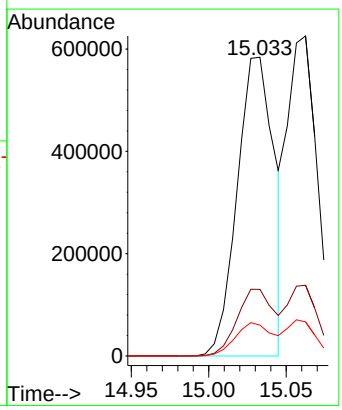
Supervised By :mohammad ahmed 02/04/2025

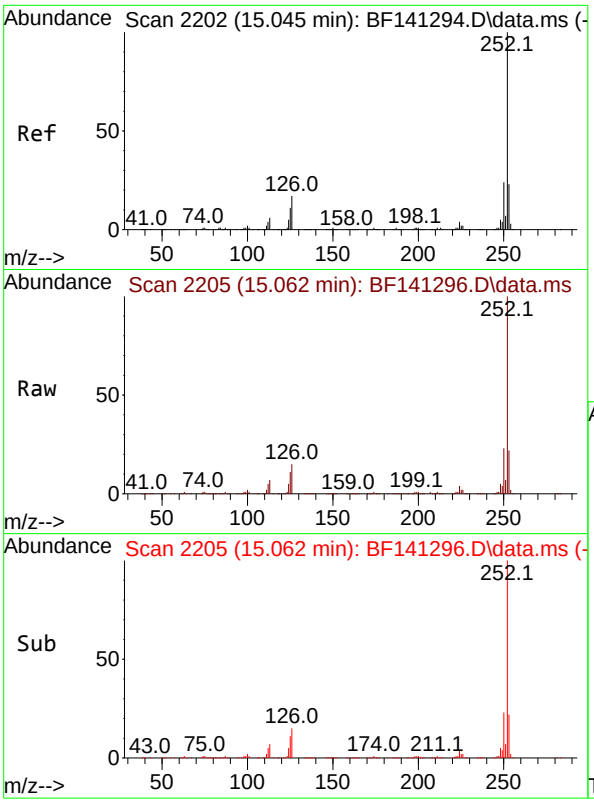


#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

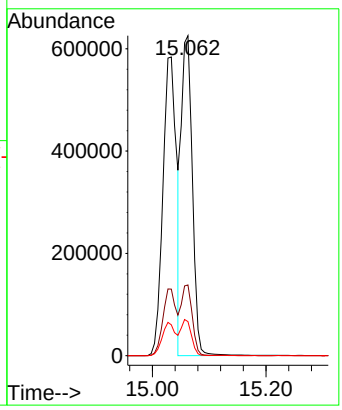




#89
Benzo(k)fluoranthene
Concen: 55.934 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 84584

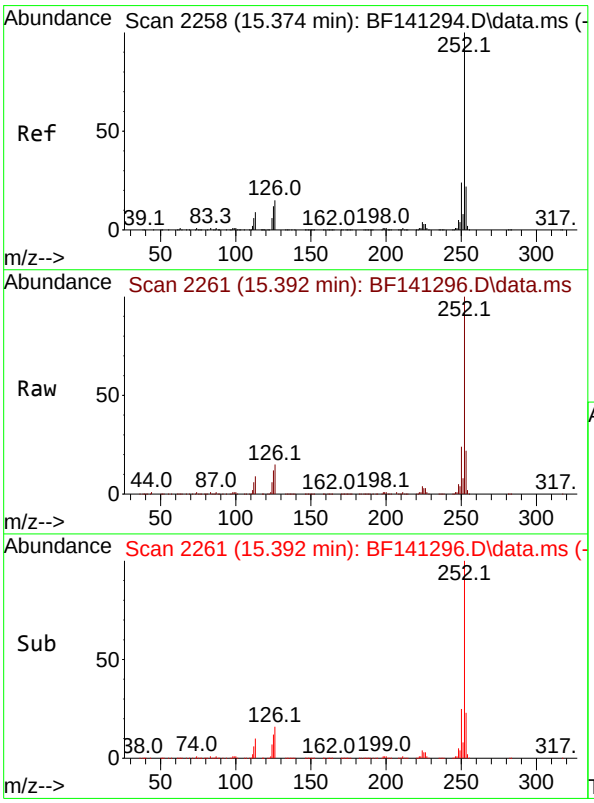
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

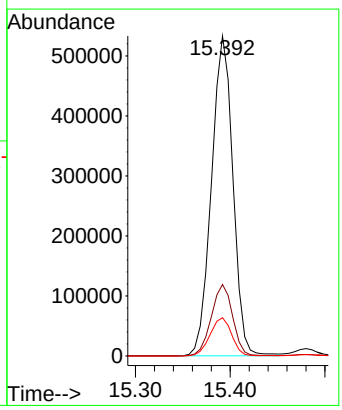
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

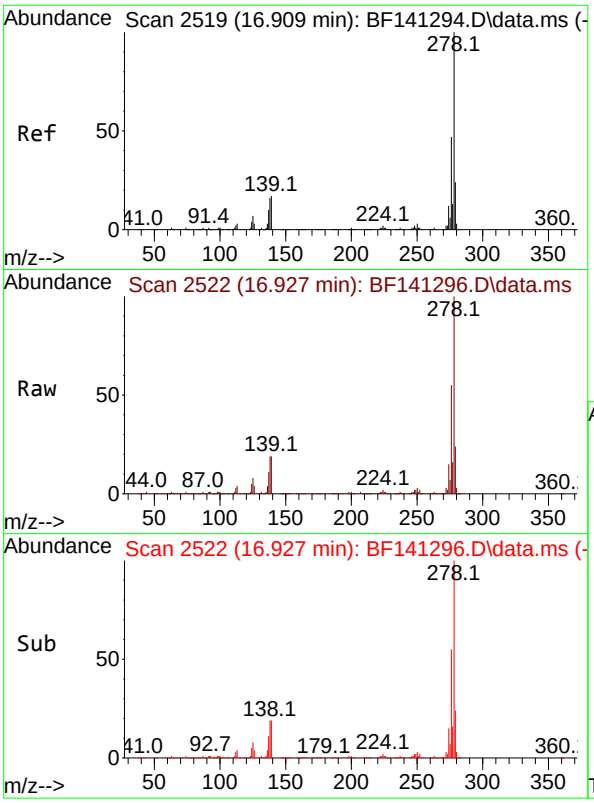


#90
Benzo(a)pyrene
Concen: 58.588 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

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

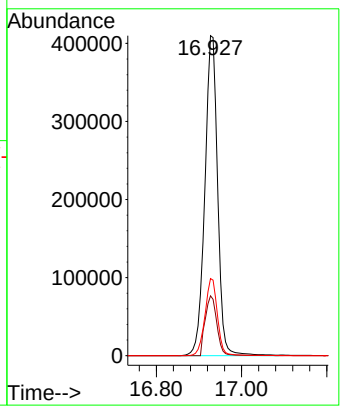




#91
Dibenzo(a,h)anthracene
Concen: 62.119 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:278 Resp: 85421

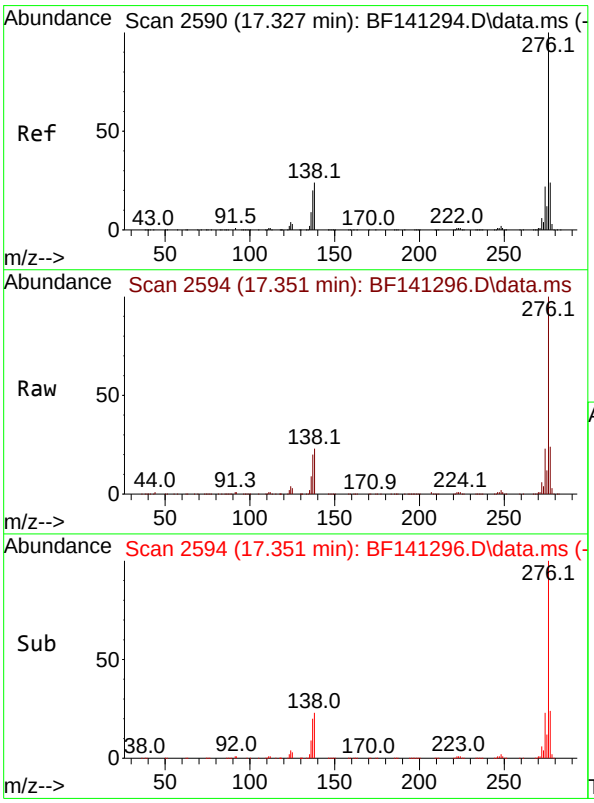
Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.9	20.9
279	24.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

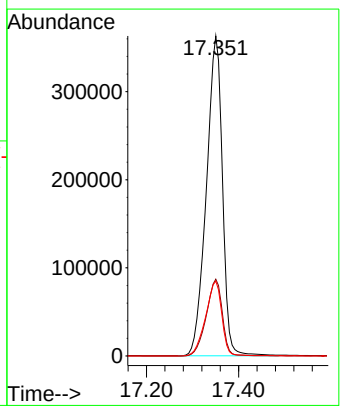
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

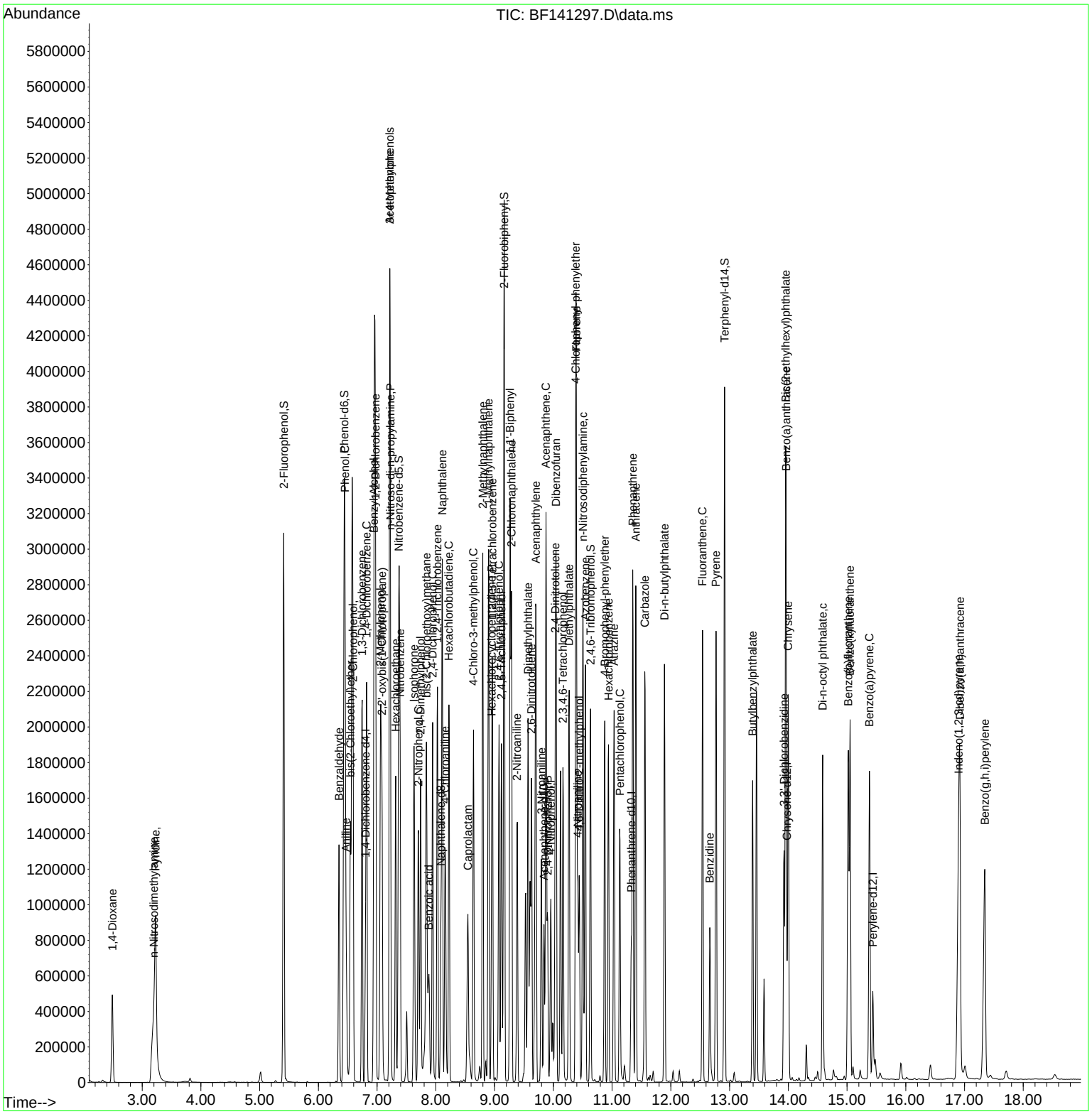
(#) = qualifier out of range (m) = manual integration (+) = signals summed

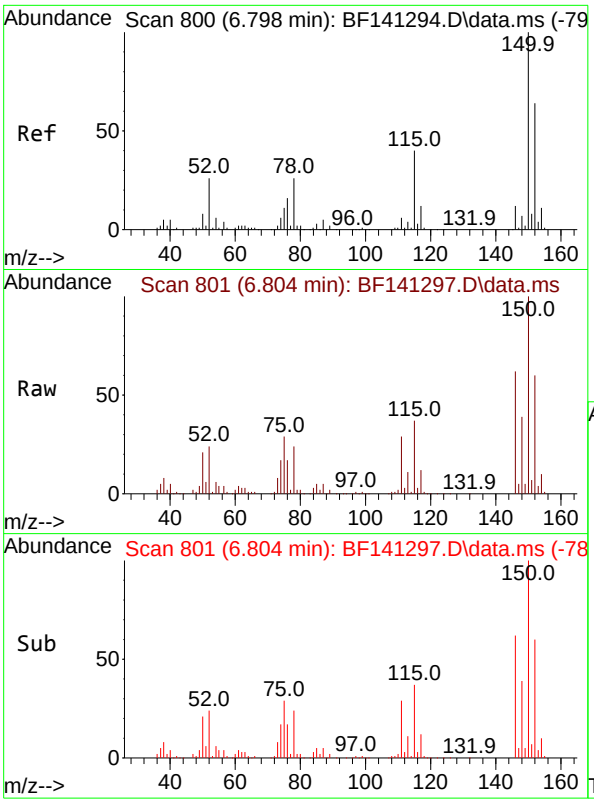
ICAL Form

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



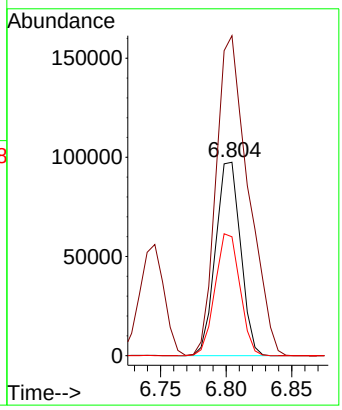


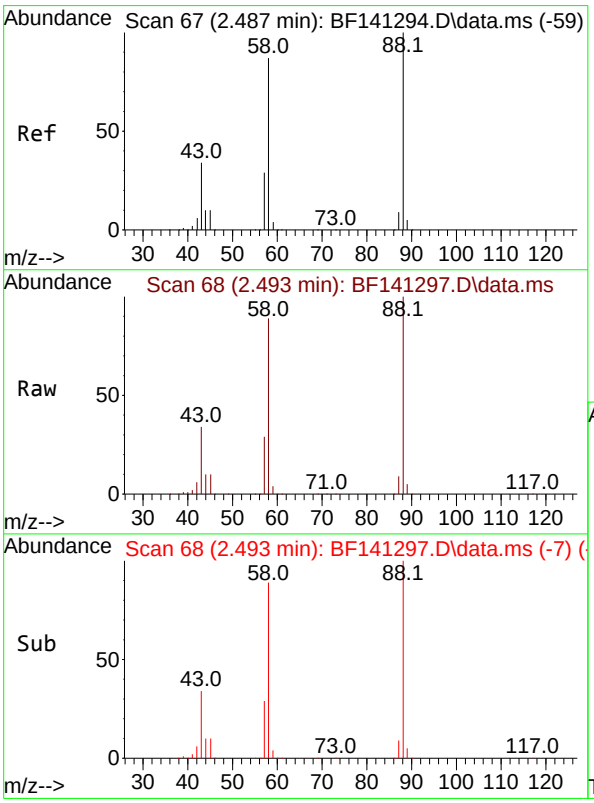
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

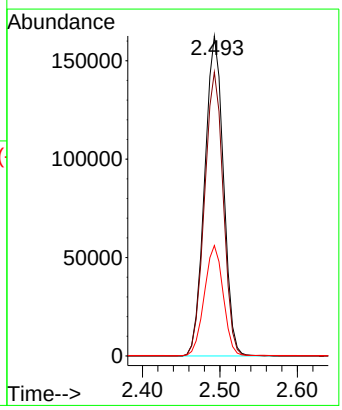


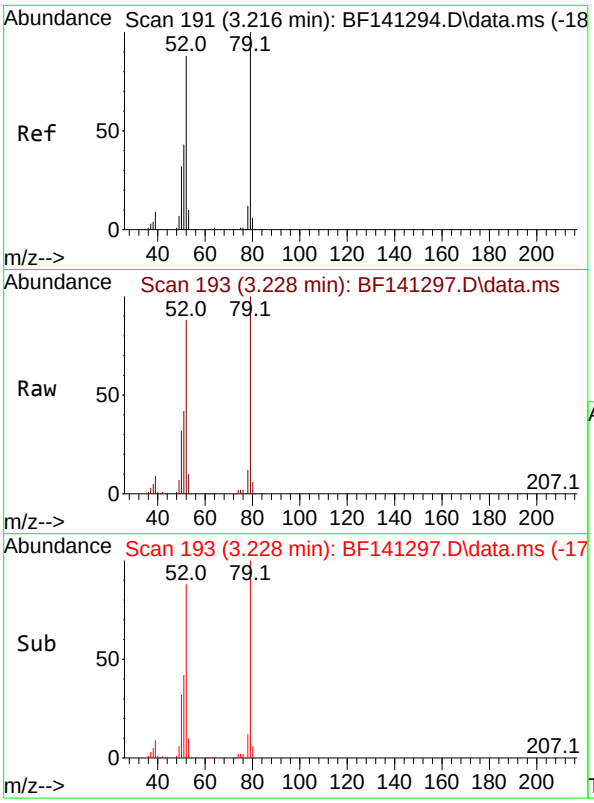


#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



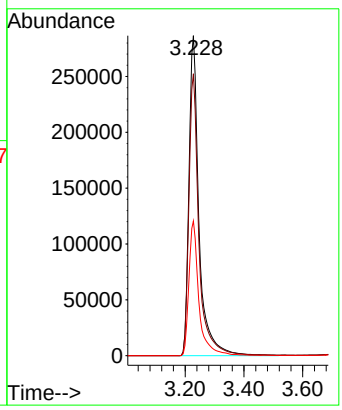


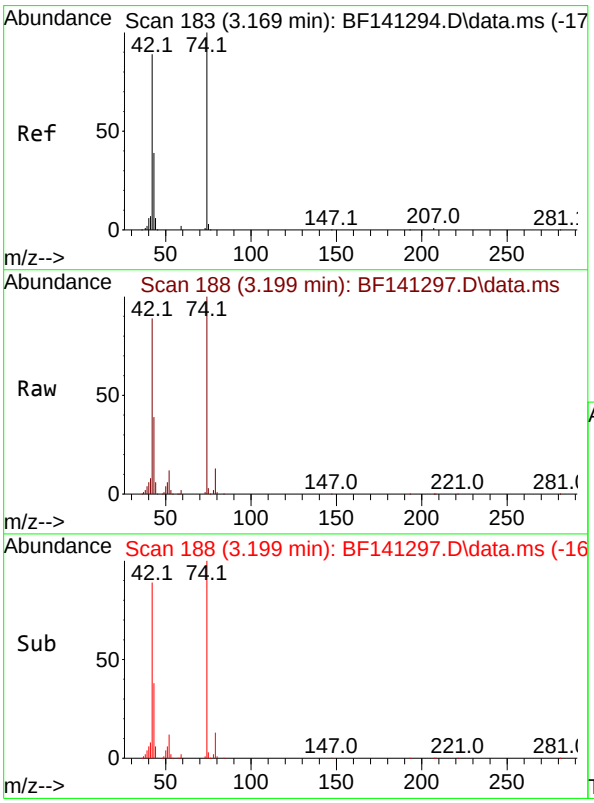
#3
Pyridine
Concen: 76.095 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

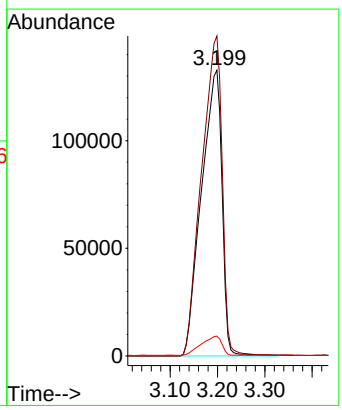


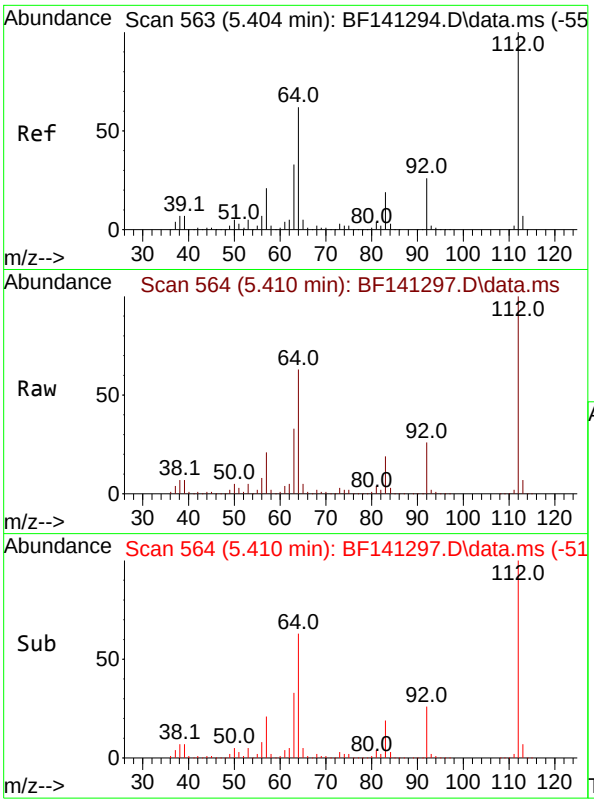


#4
n-Nitrosodimethylamine
Concen: 77.974 ng
RT: 3.199 min Scan# 188
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



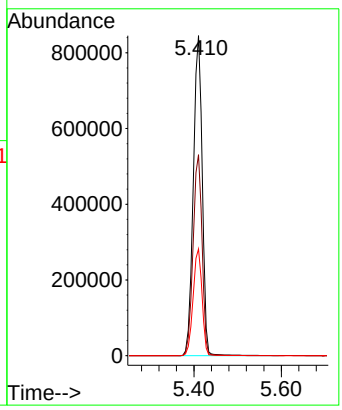


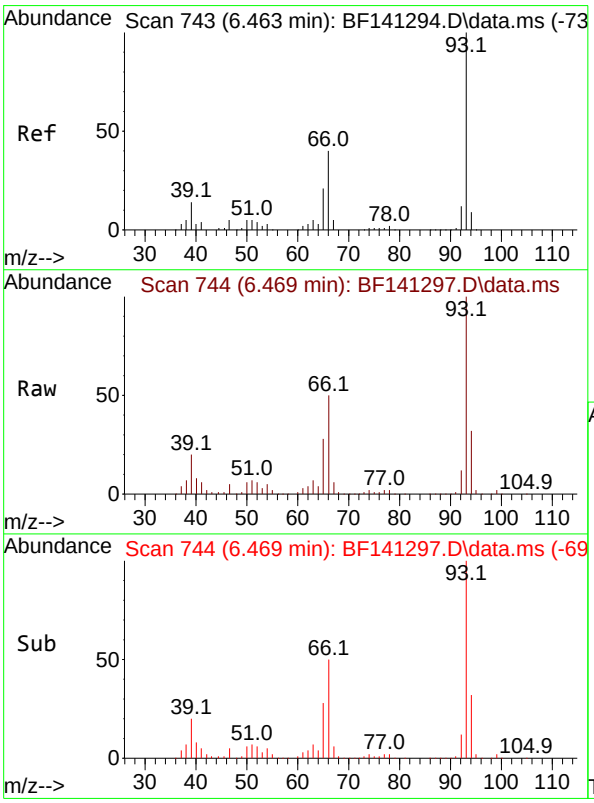
#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

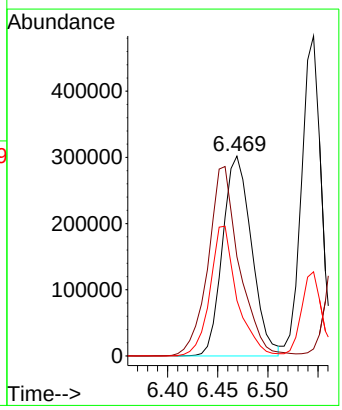


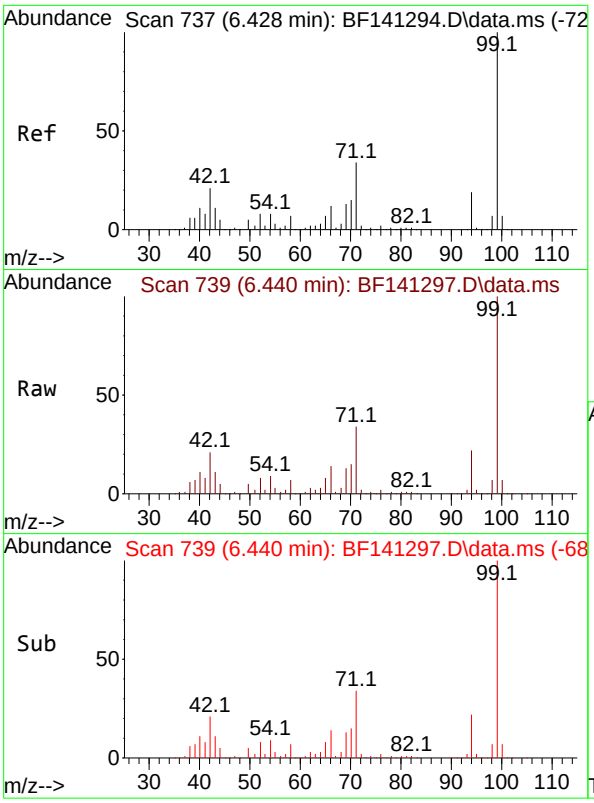


#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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#



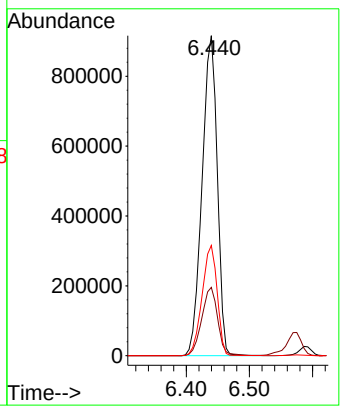


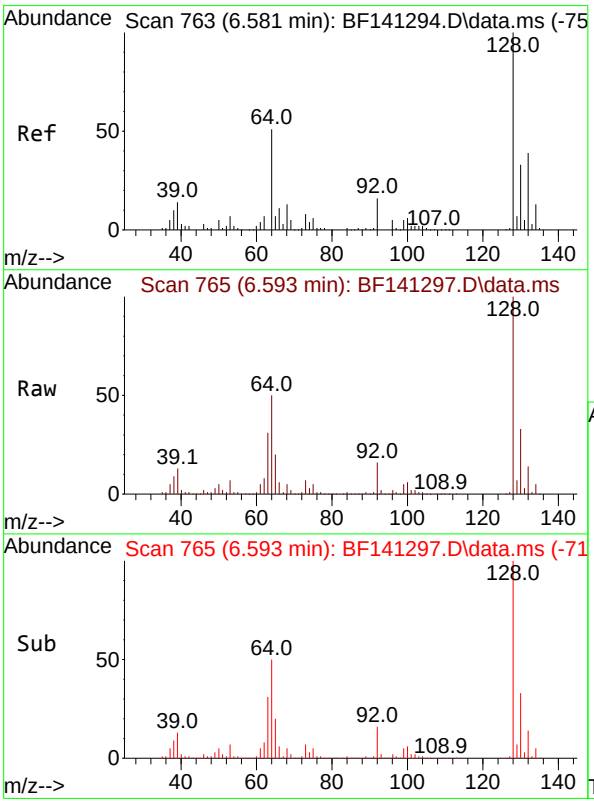
#7
Phenol-d6
Concen: 139.796 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

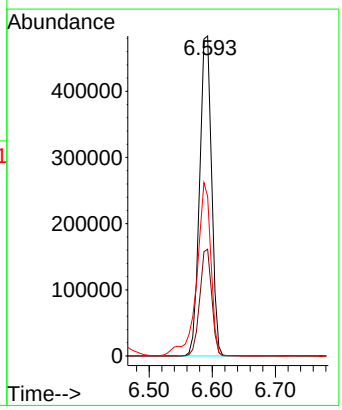


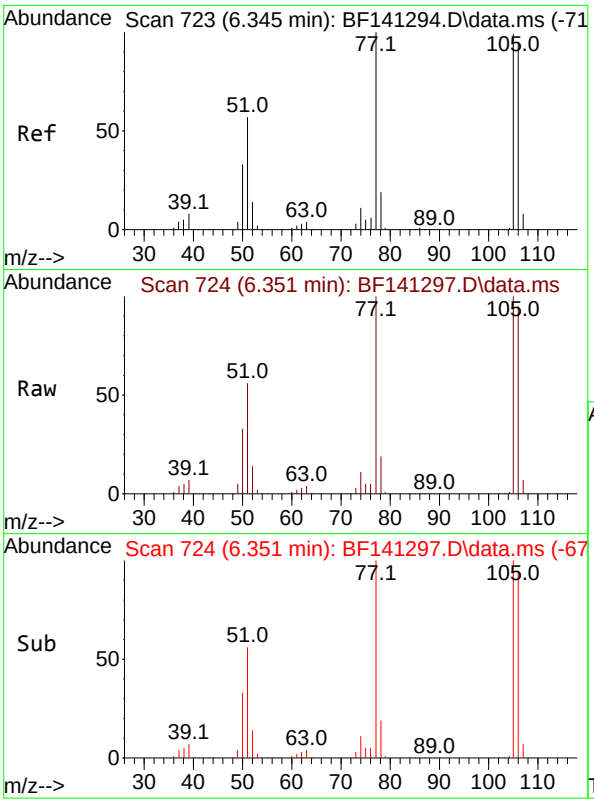


#8
2-Chlorophenol
Concen: 69.519 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



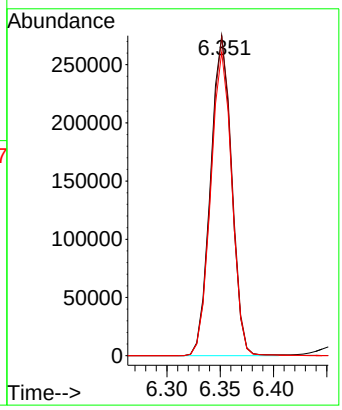


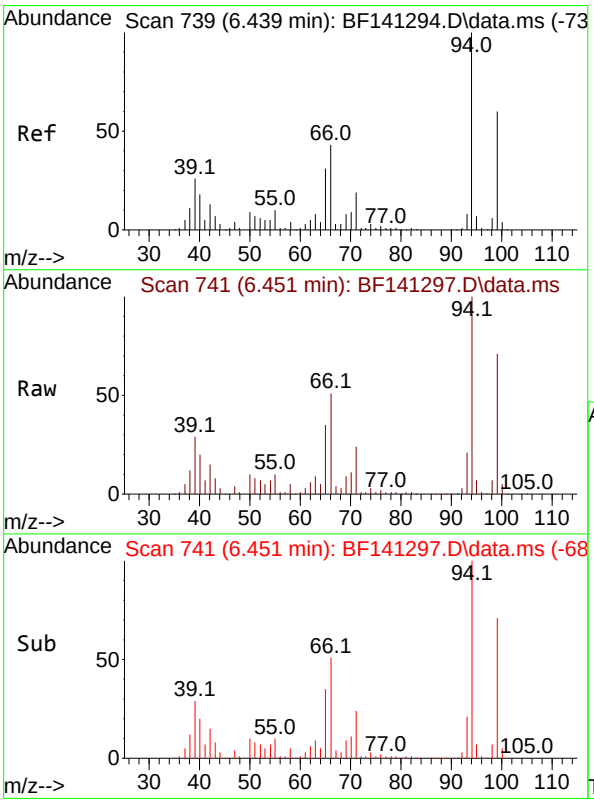
#9
Benzaldehyde
Concen: 58.226 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

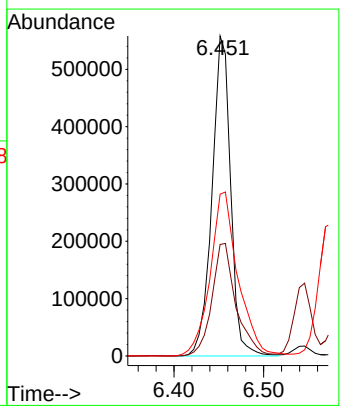


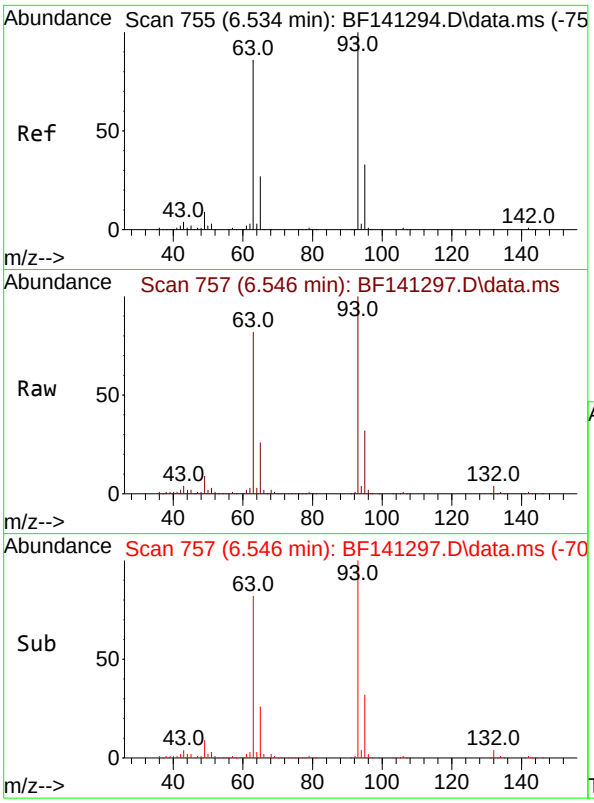


#10
Phenol
Concen: 69.411 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



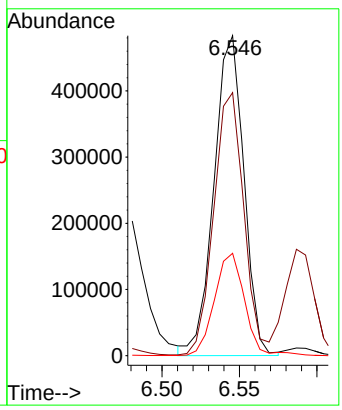


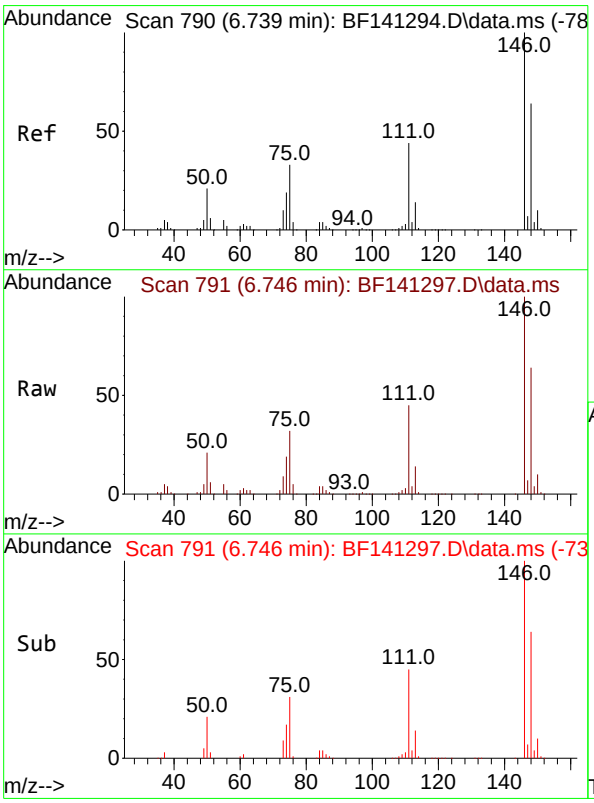
#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

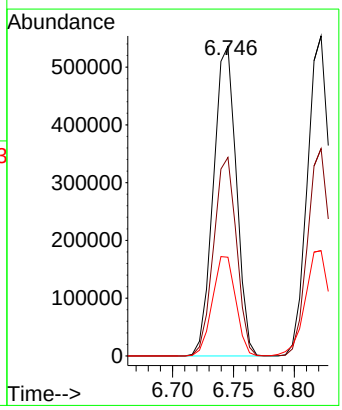


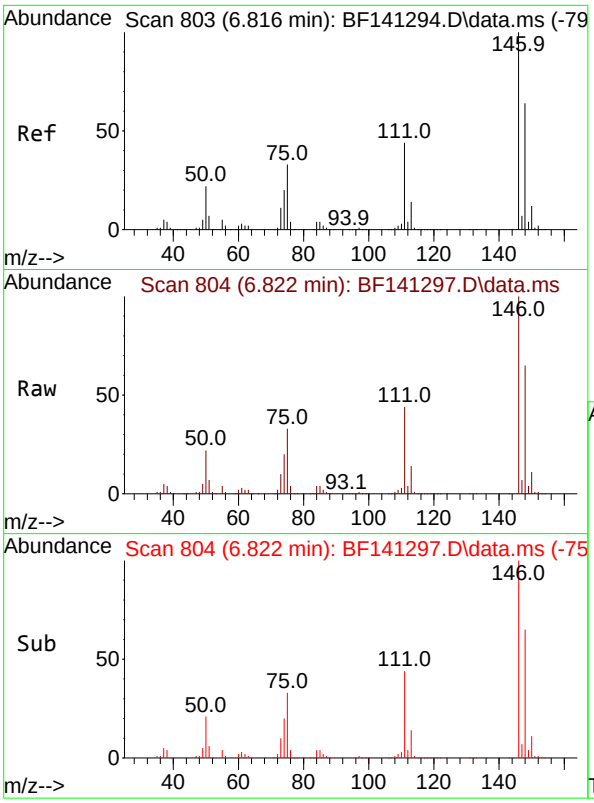


#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



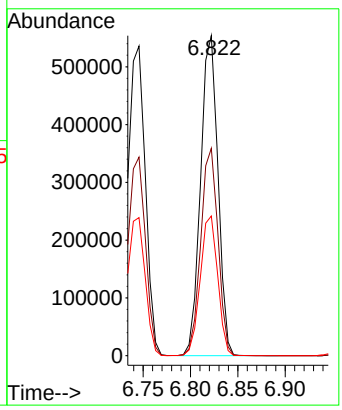


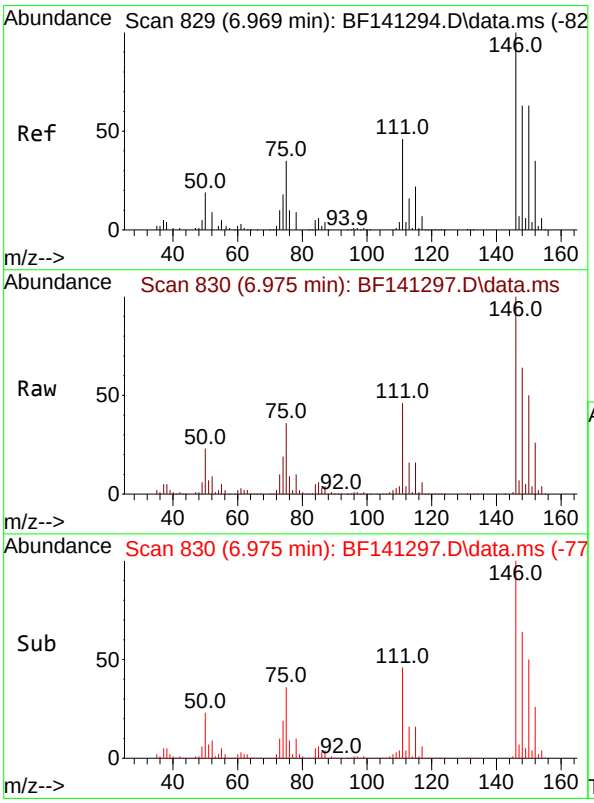
#13
1,4-Dichlorobenzene
Concen: 69.256 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

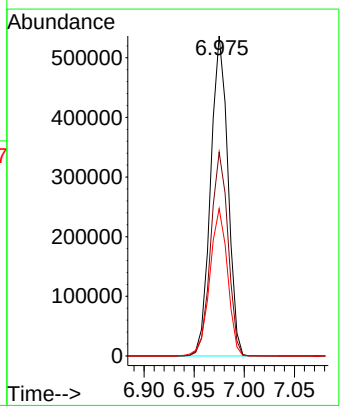


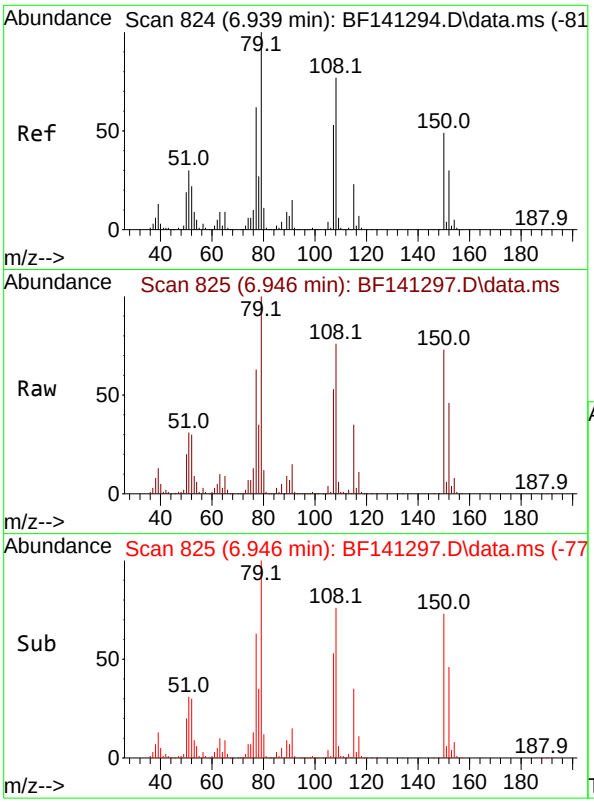


#14
1,2-Dichlorobenzene
Concen: 66.867 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



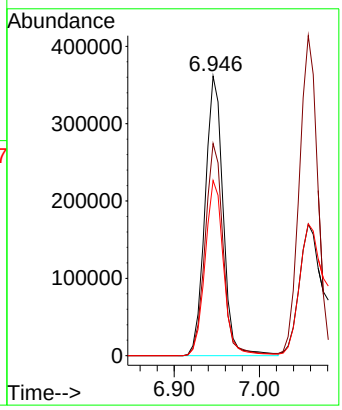


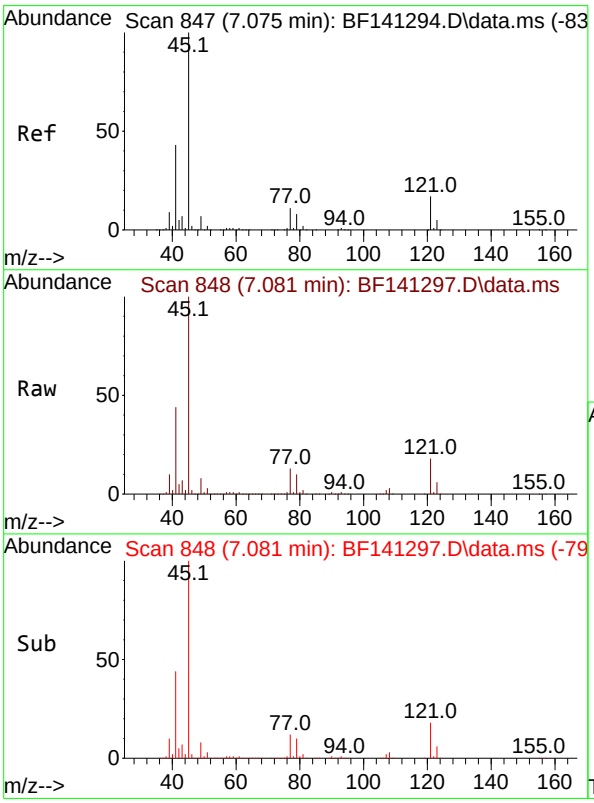
#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

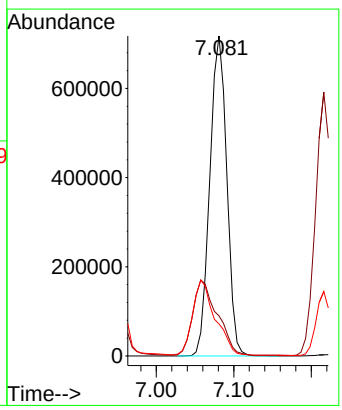


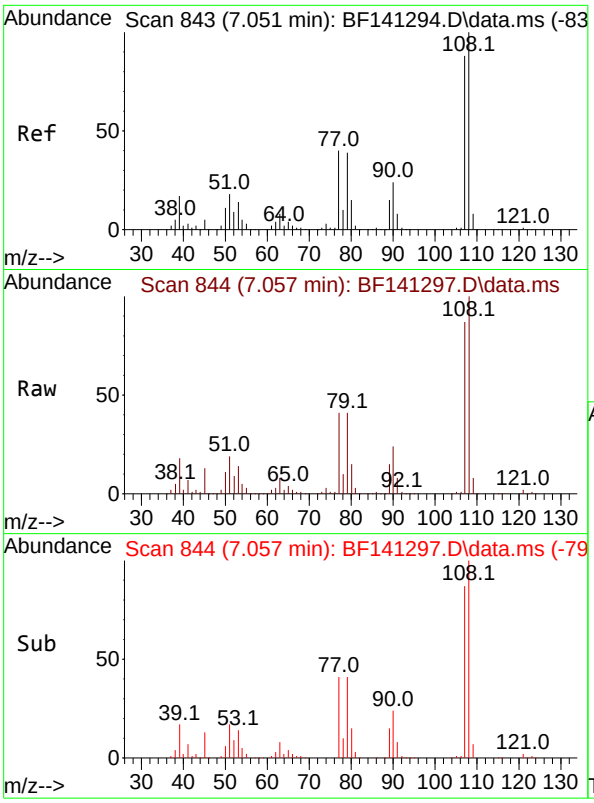


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



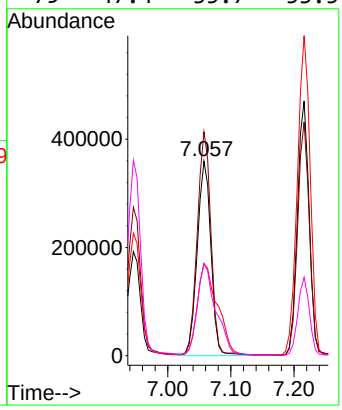


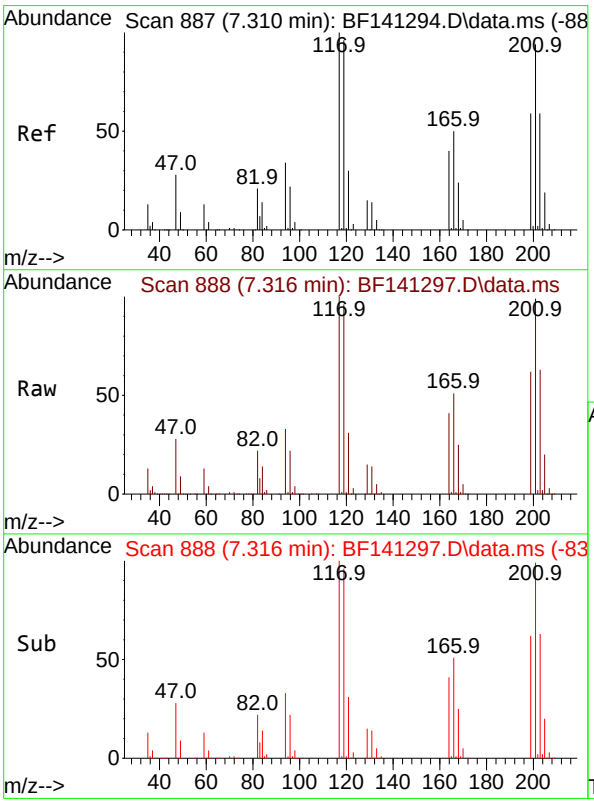
#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

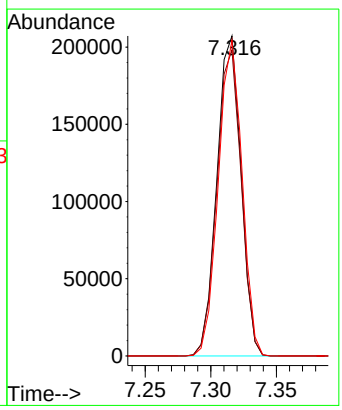


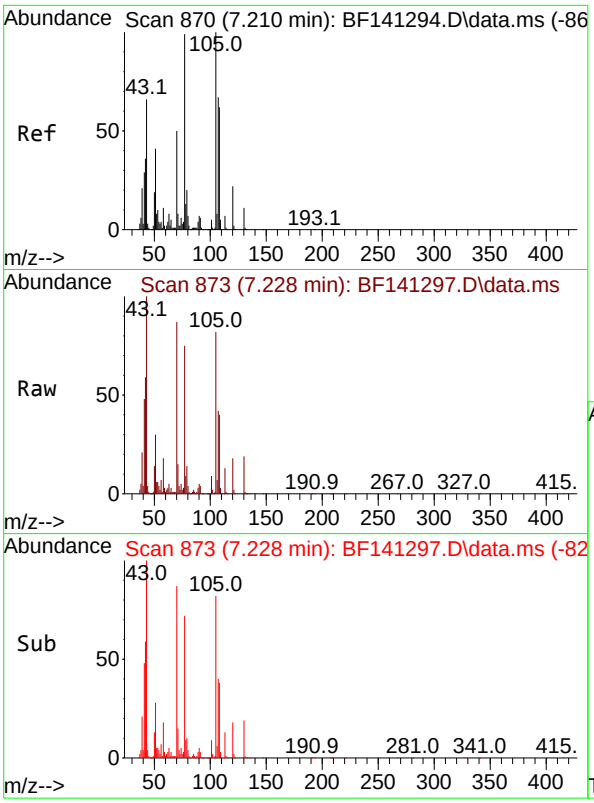


#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



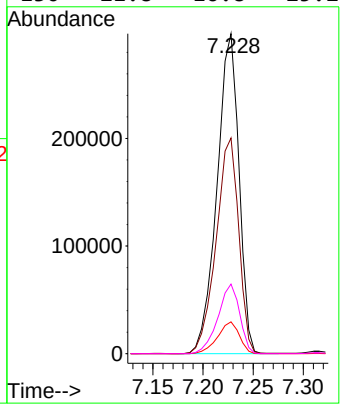


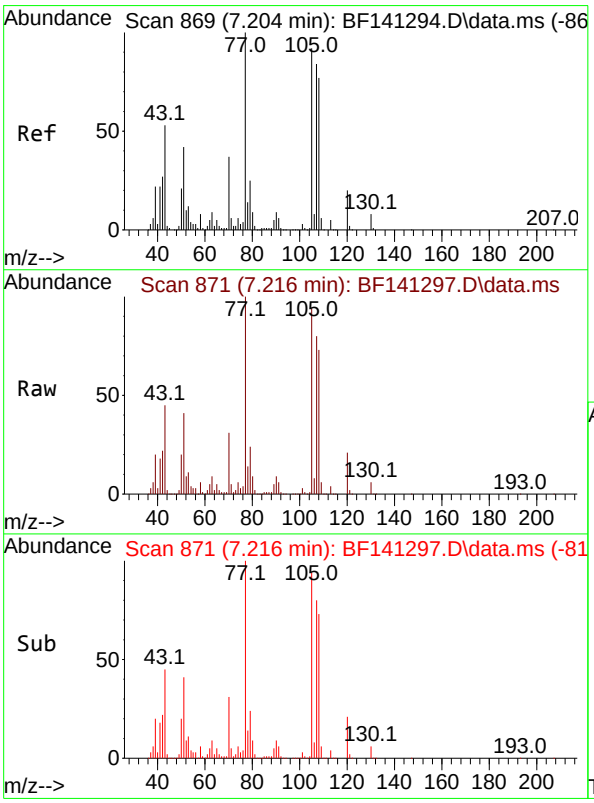
#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

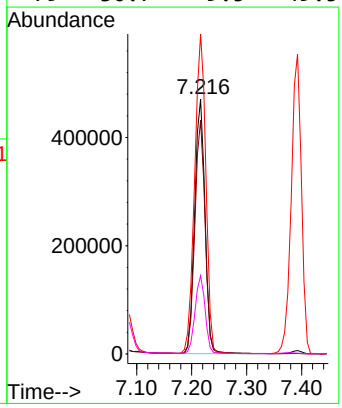


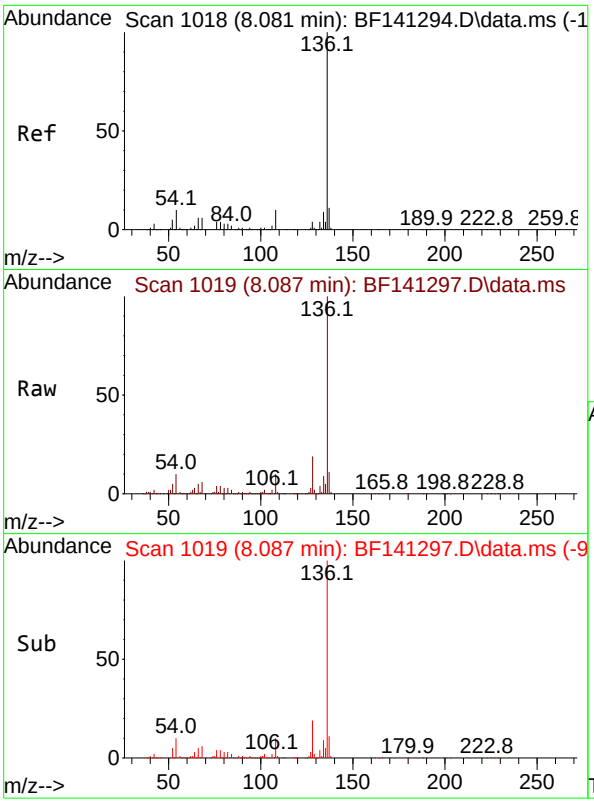


#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



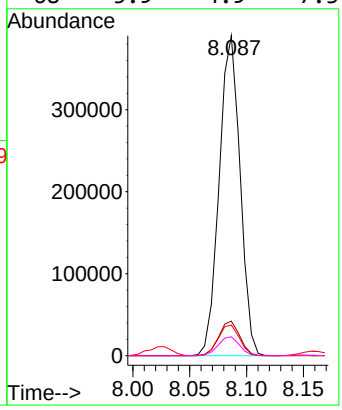


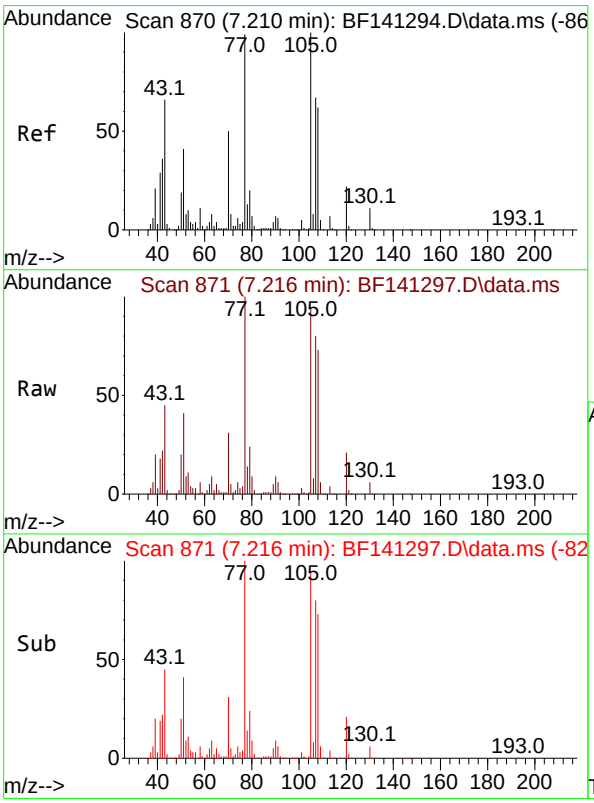
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

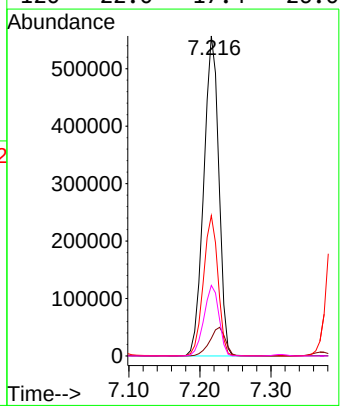


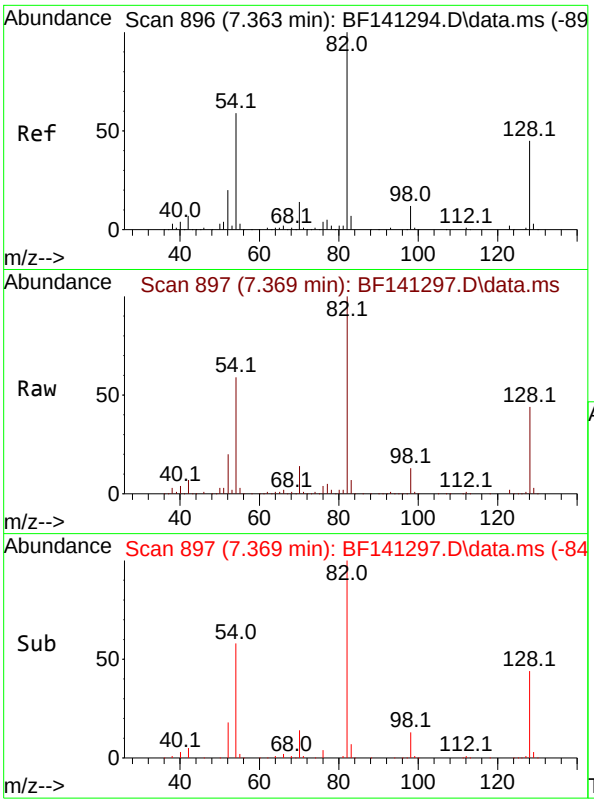


#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



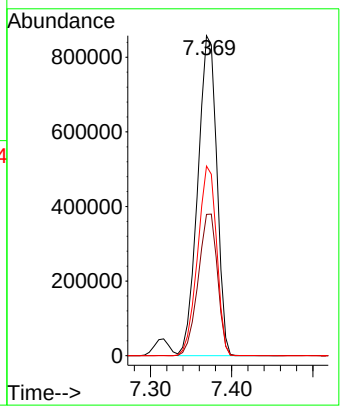


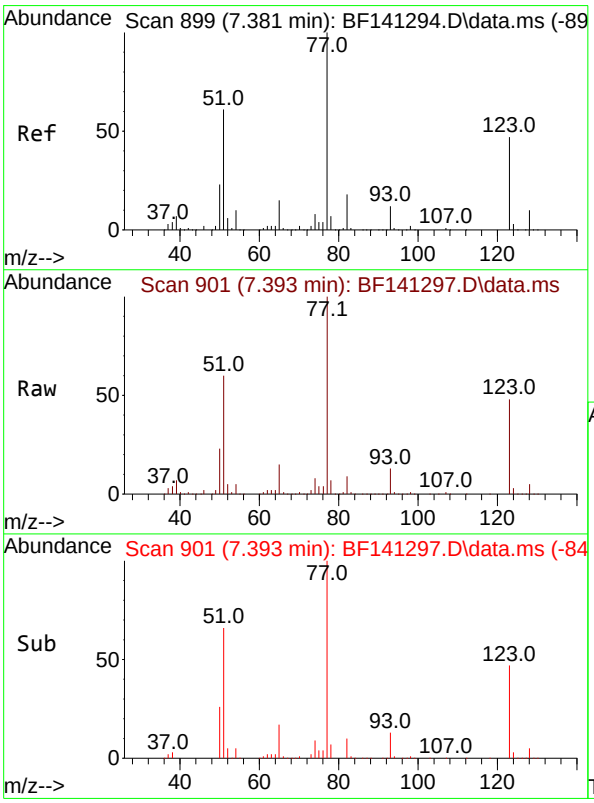
#23
Nitrobenzene-d5
Concen: 145.214 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

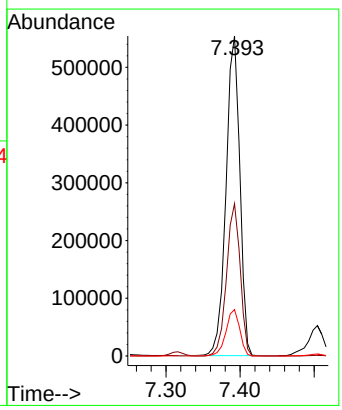


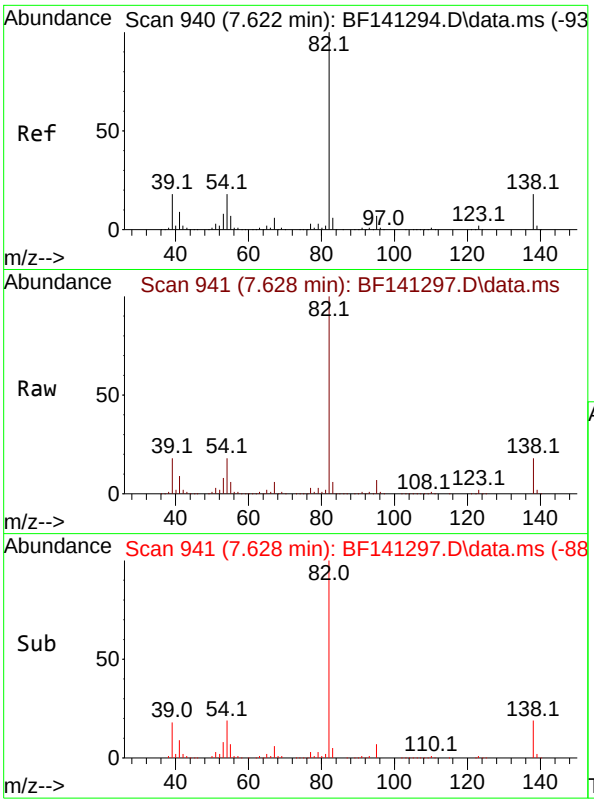


#24
Nitrobenzene
Concen: 71.762 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



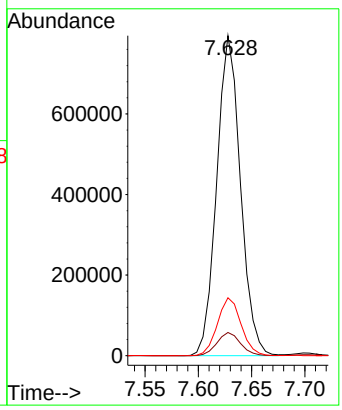


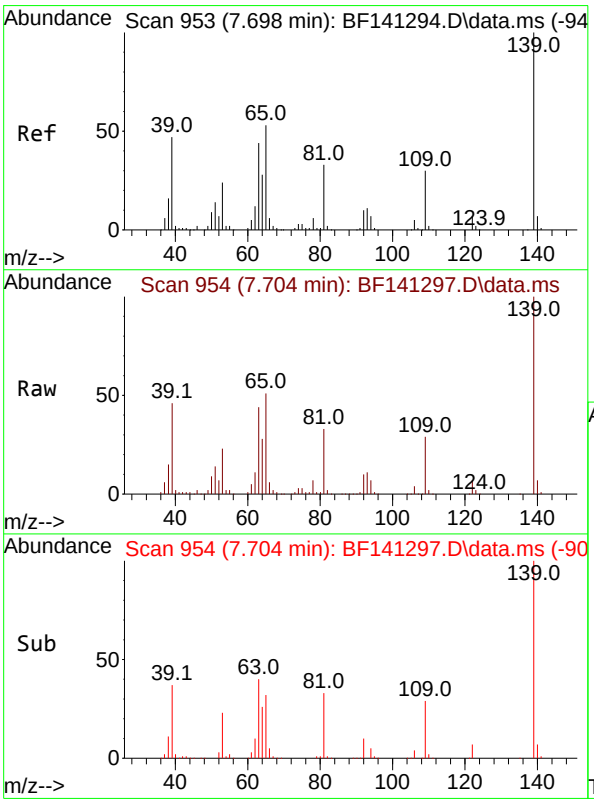
#25
Isophorone
Concen: 74.193 ng
RT: 7.628 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

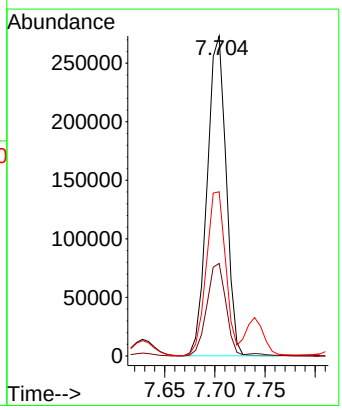


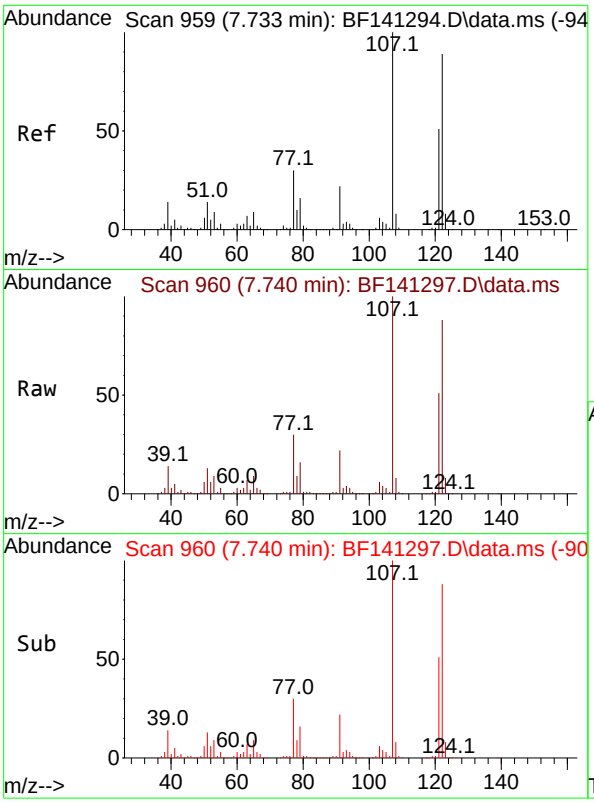


#26
2-Nitrophenol
Concen: 76.912 ng
RT: 7.704 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



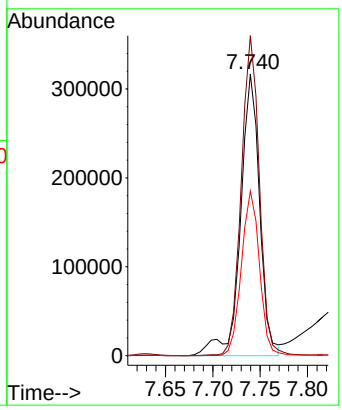


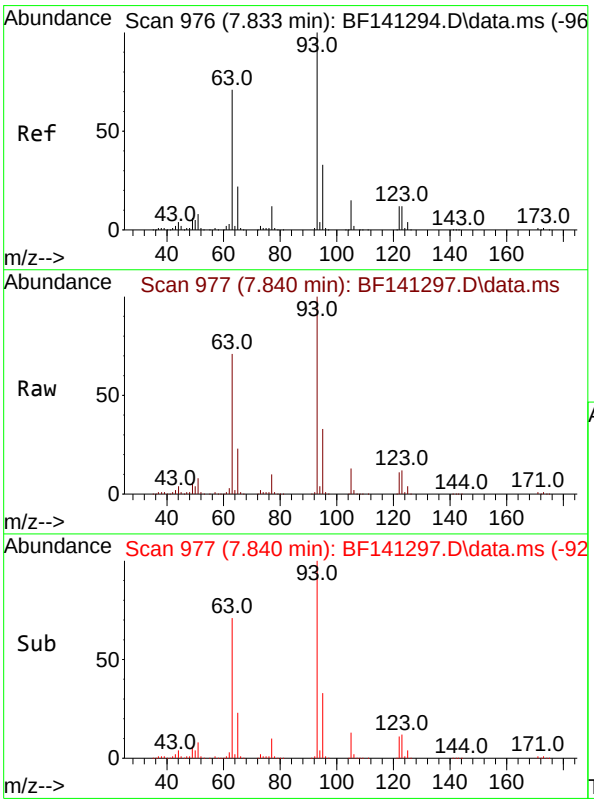
#27
2,4-Dimethylphenol
Concen: 74.779 ng
RT: 7.740 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

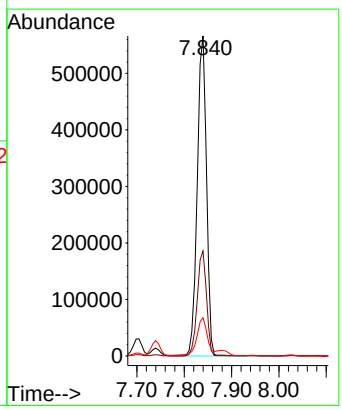


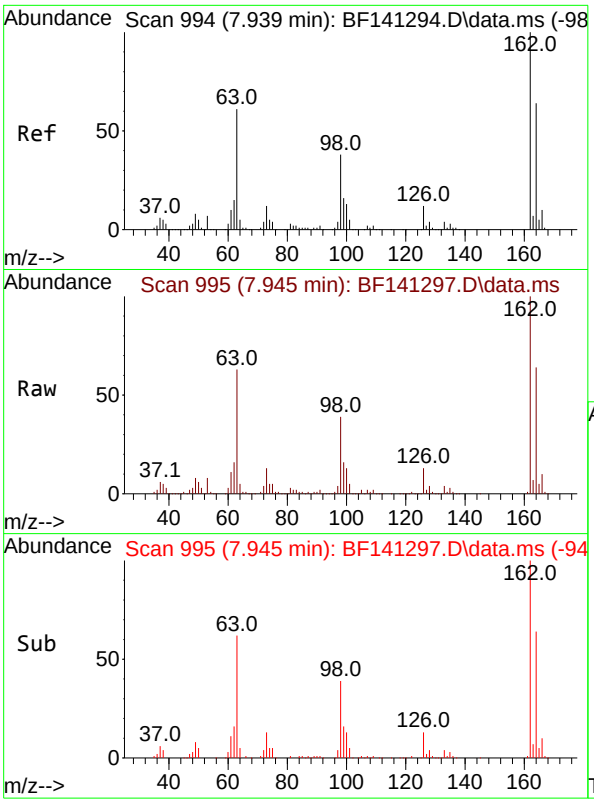


#28
bis(2-Chloroethoxy)methane
Concen: 72.405 ng
RT: 7.840 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



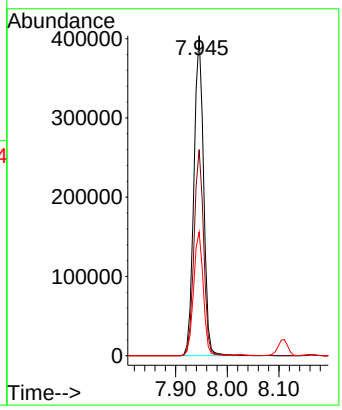


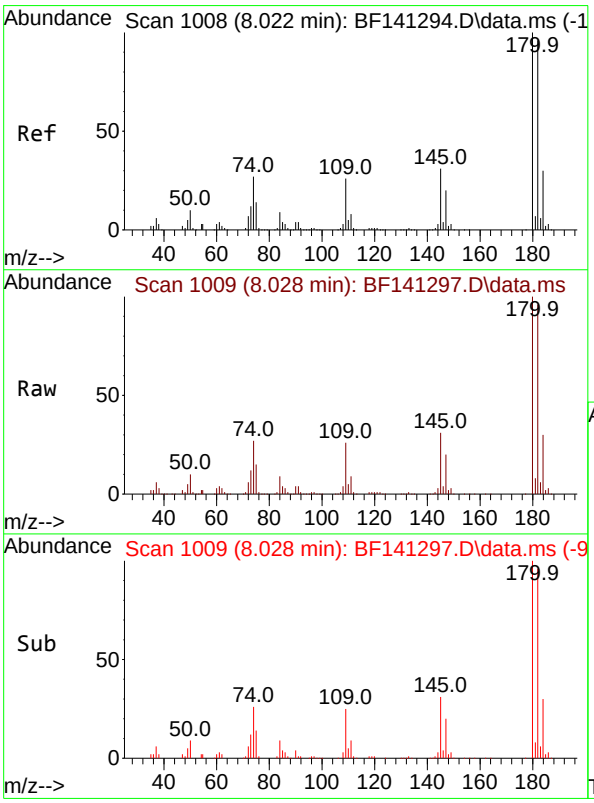
#29
2,4-Dichlorophenol
Concen: 71.573 ng
RT: 7.945 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

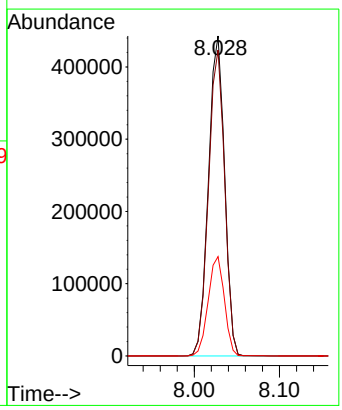


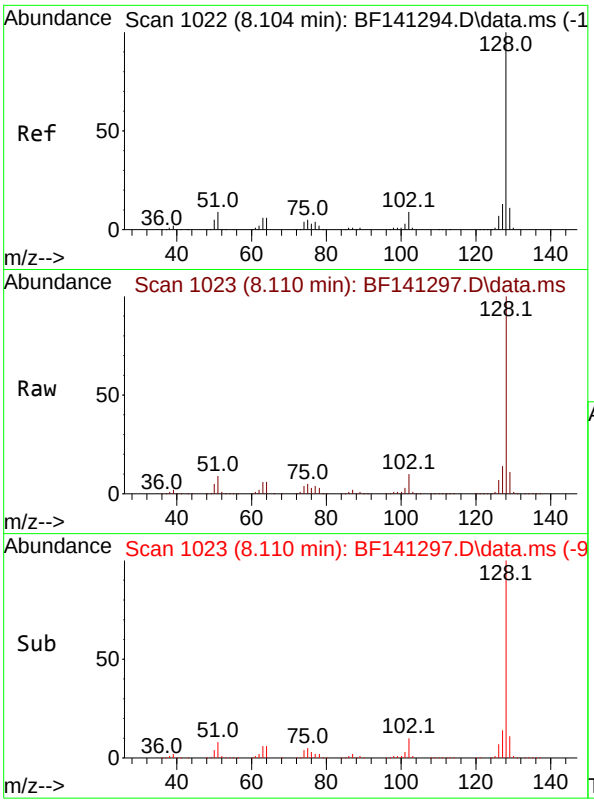


#30
1,2,4-Trichlorobenzene
Concen: 69.437 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



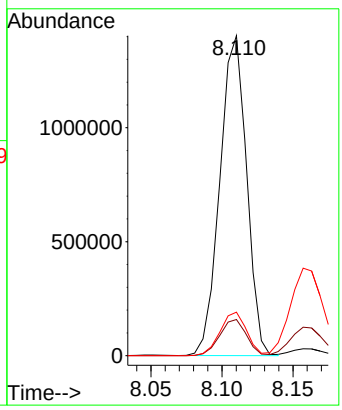


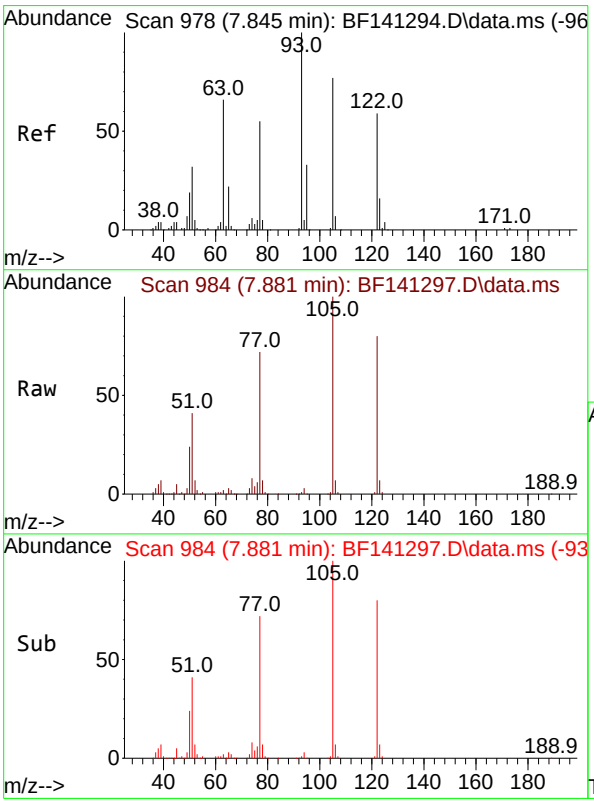
#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

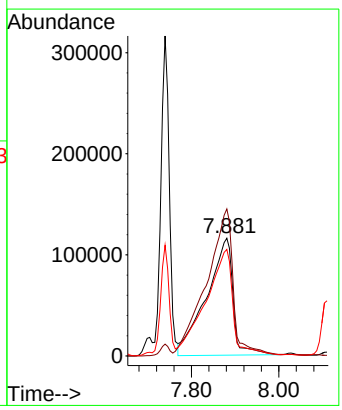


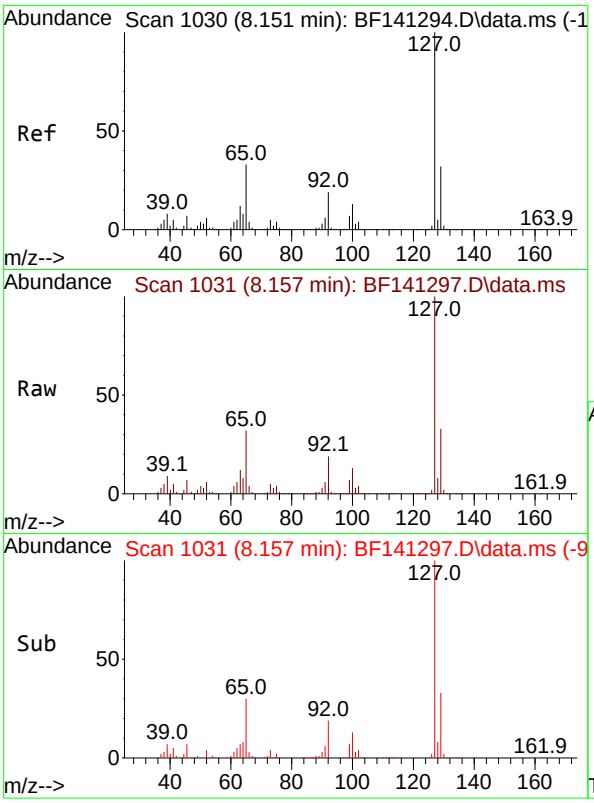


#32
Benzoic acid
Concen: 91.066 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



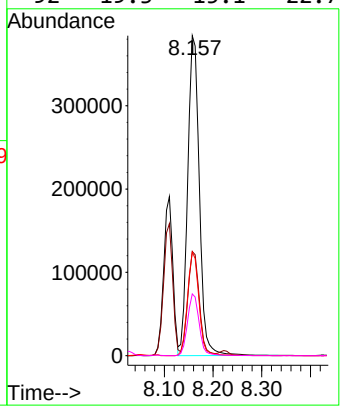


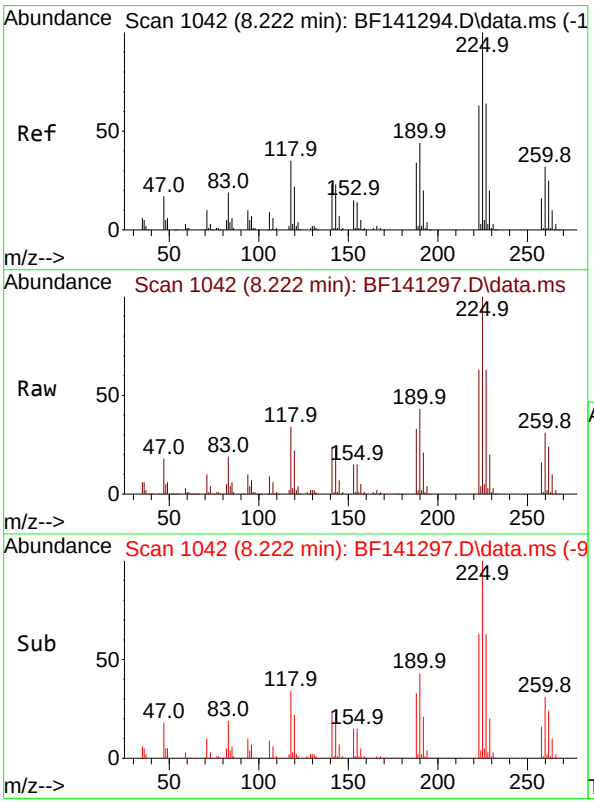
#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

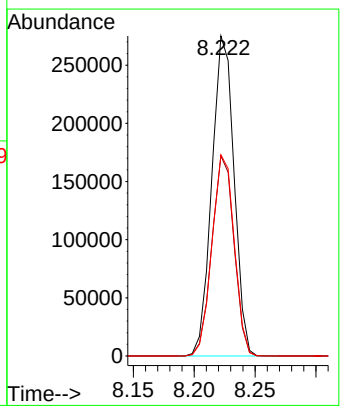


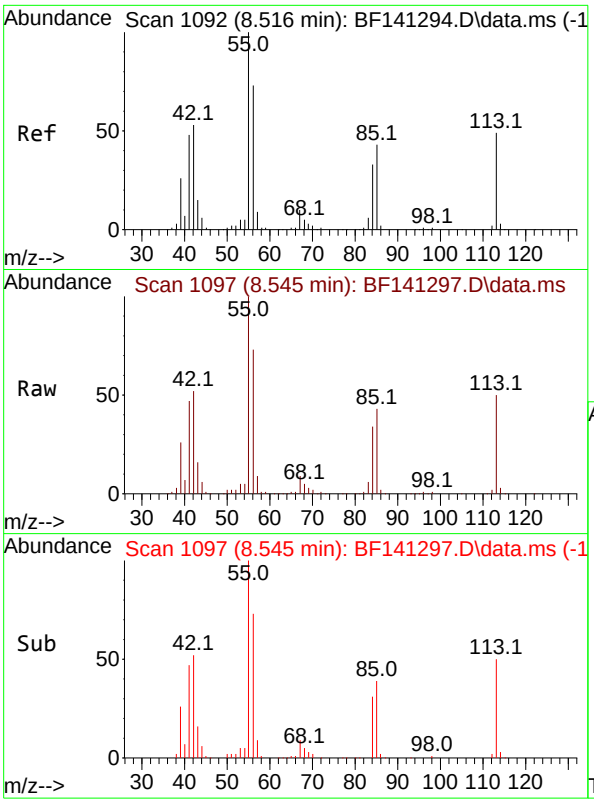


#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



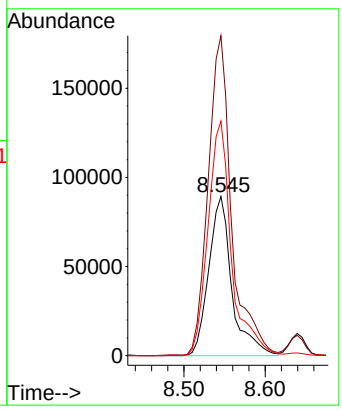


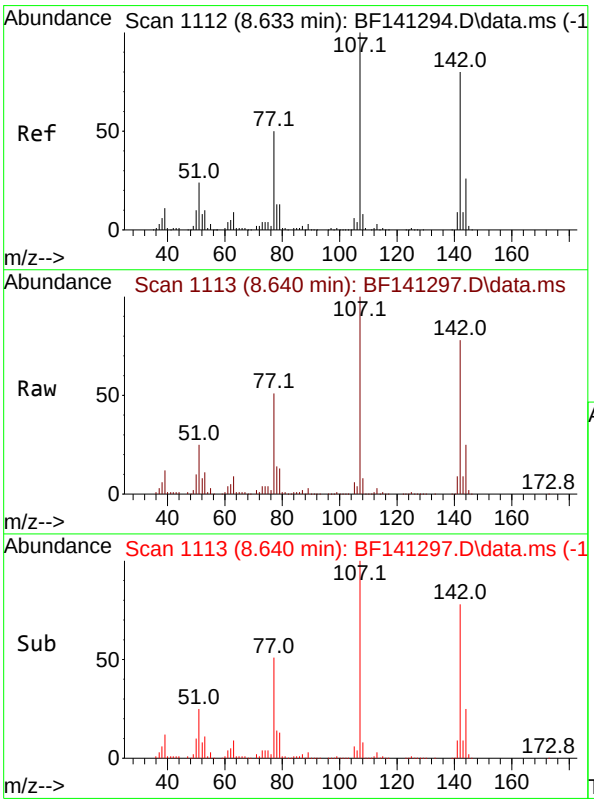
#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

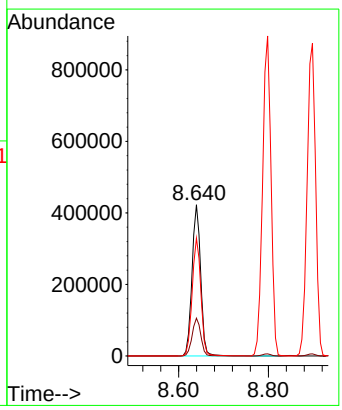


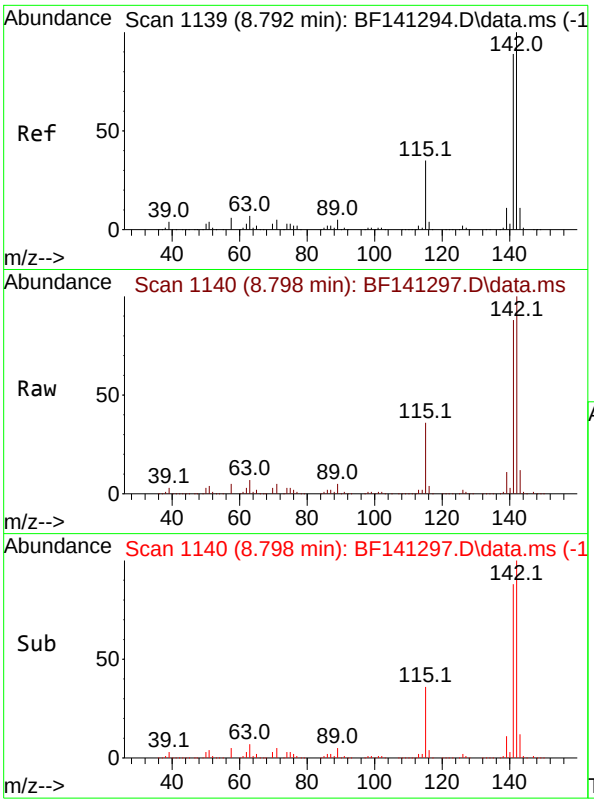


#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



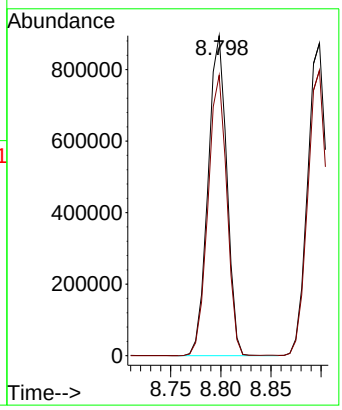


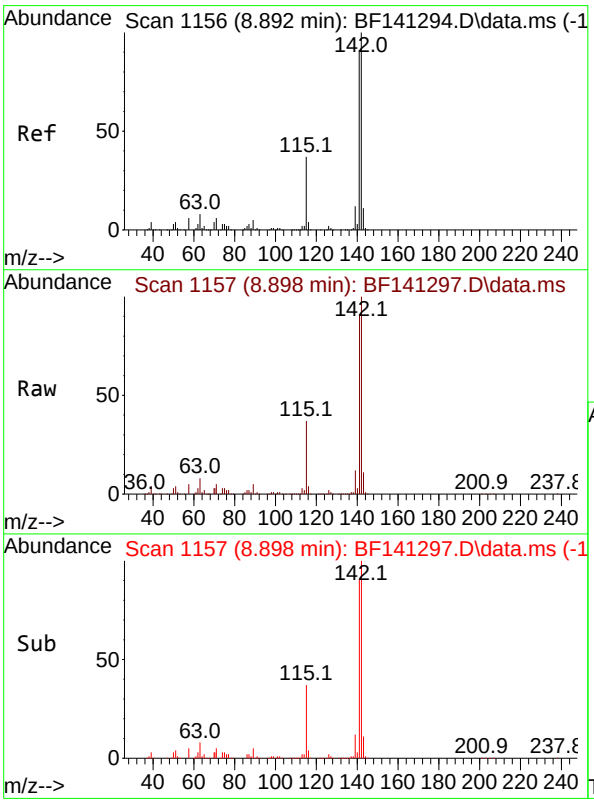
#37
2-Methylnaphthalene
Concen: 67.926 ng
RT: 8.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9

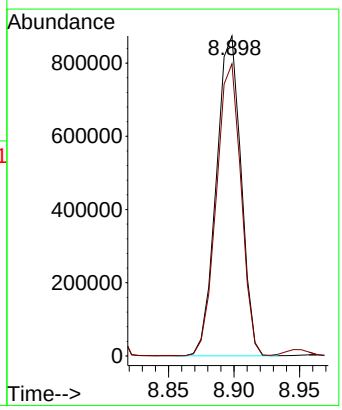


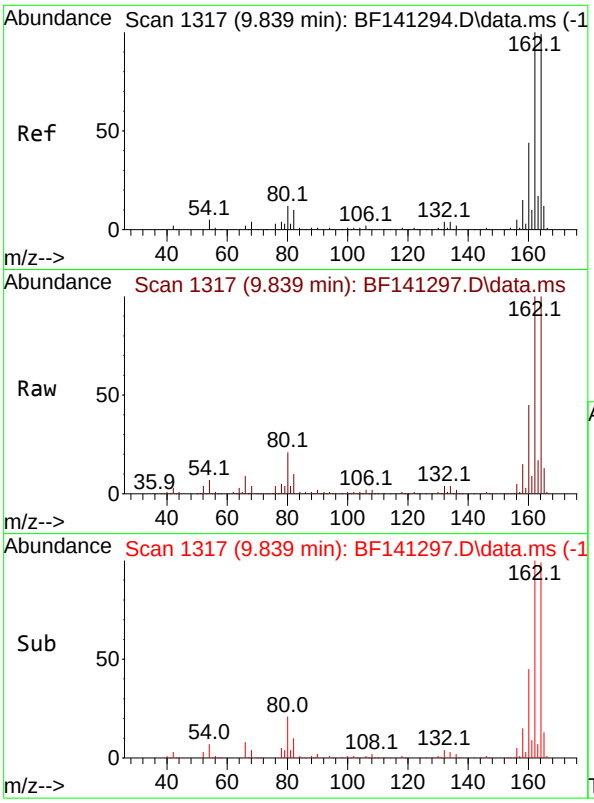


#38
1-Methylnaphthalene
Concen: 67.988 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:142 Resp: 1146275

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8



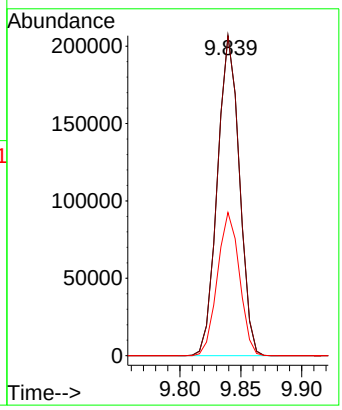


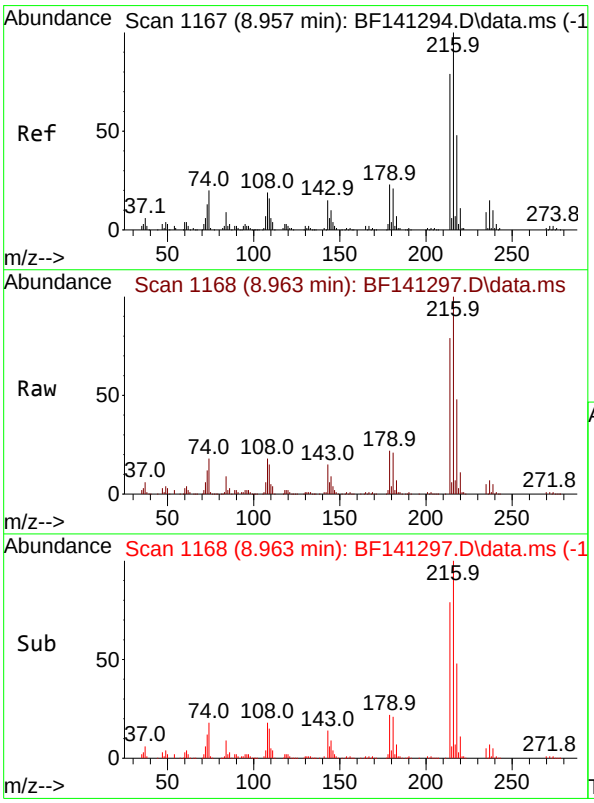
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

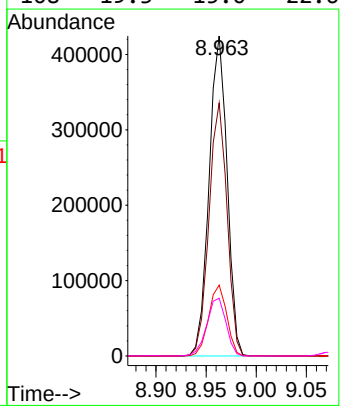


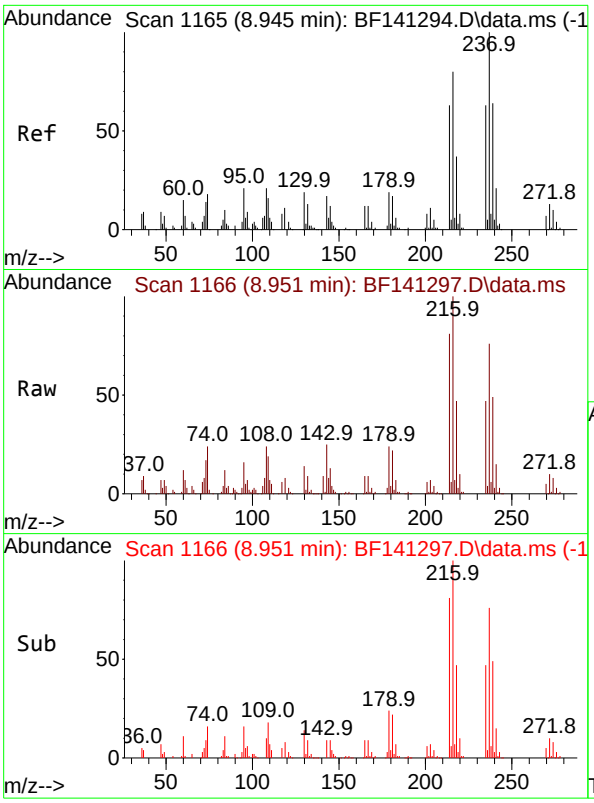


#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.756 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



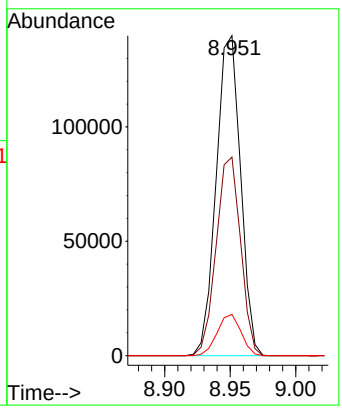


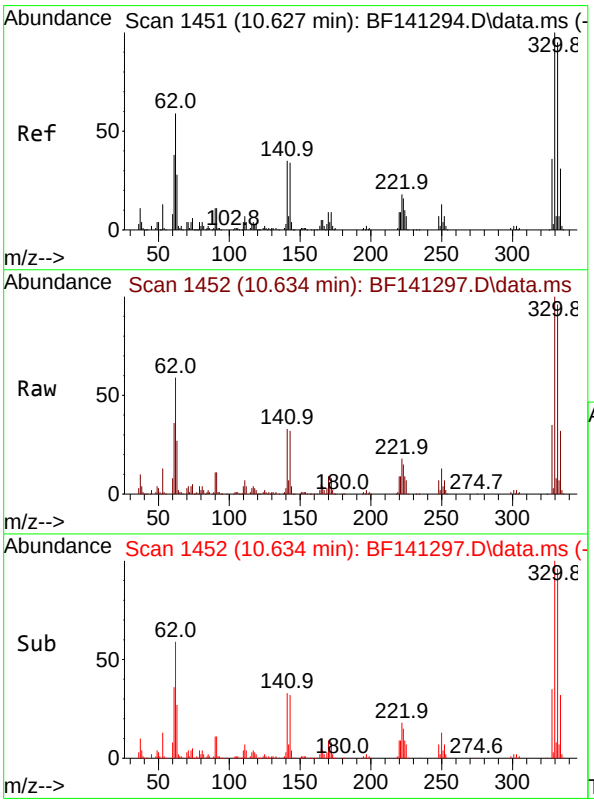
#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

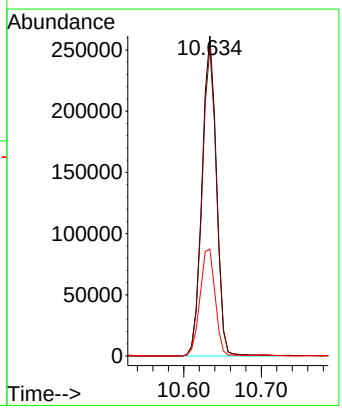


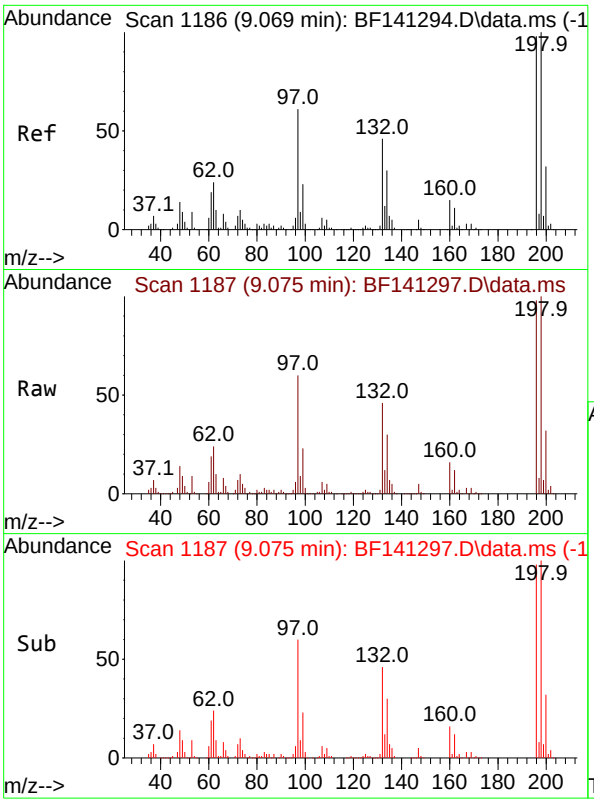


#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



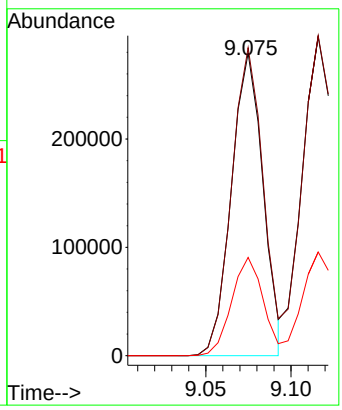


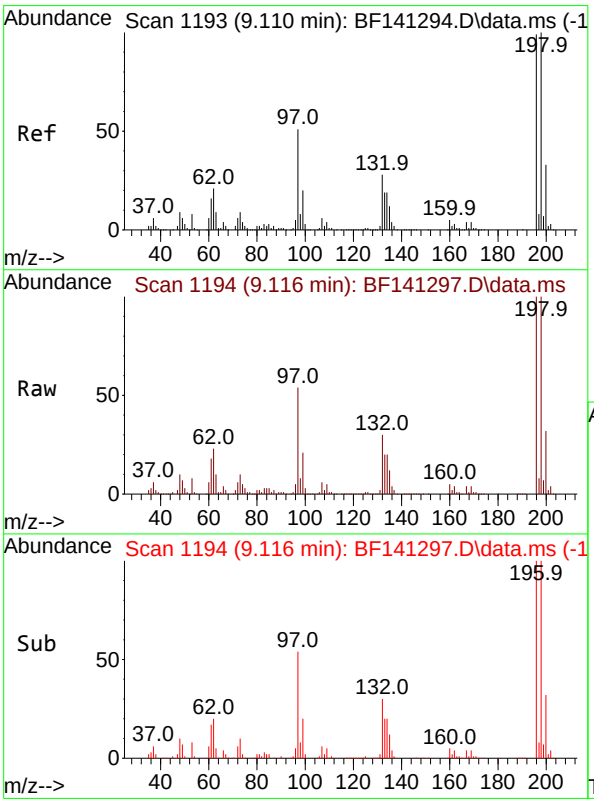
#43
2,4,6-Trichlorophenol
Concen: 73.727 ng
RT: 9.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

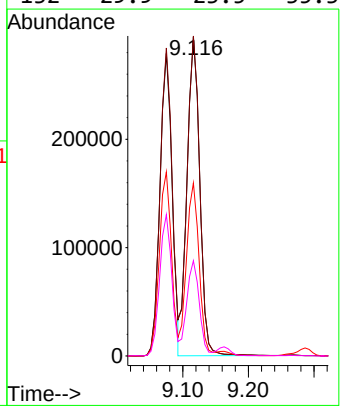


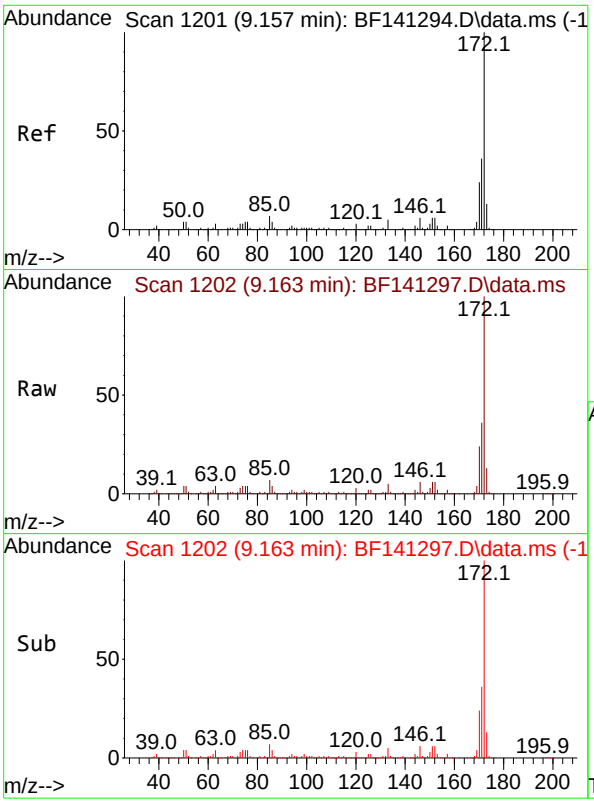


#44
2,4,5-Trichlorophenol
Concen: 74.958 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



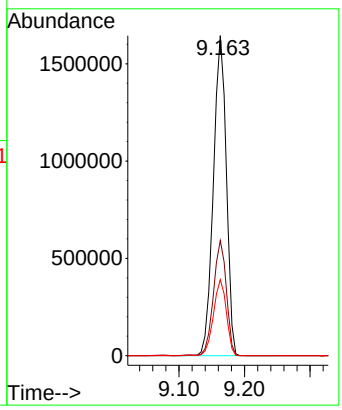


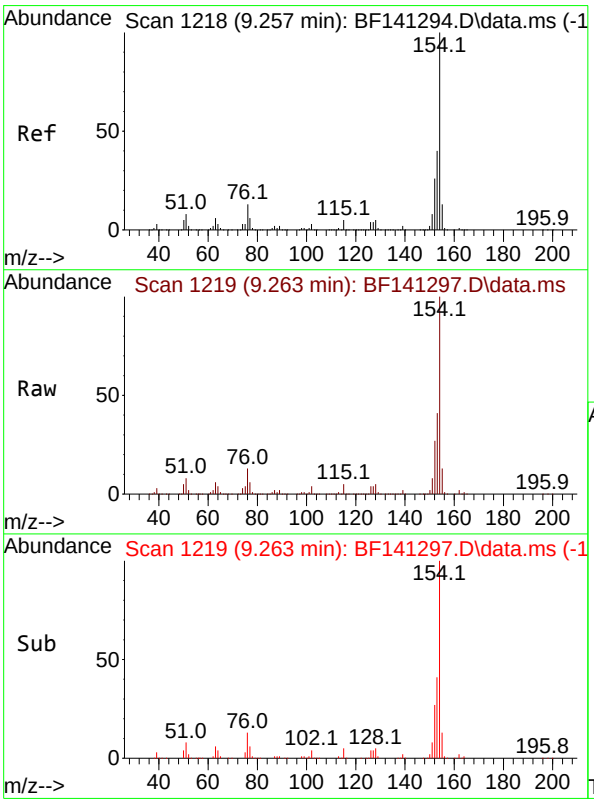
#45
2-Fluorobiphenyl
Concen: 129.739 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

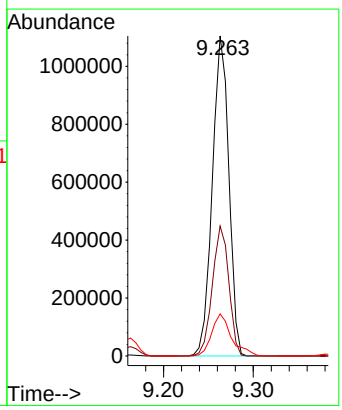


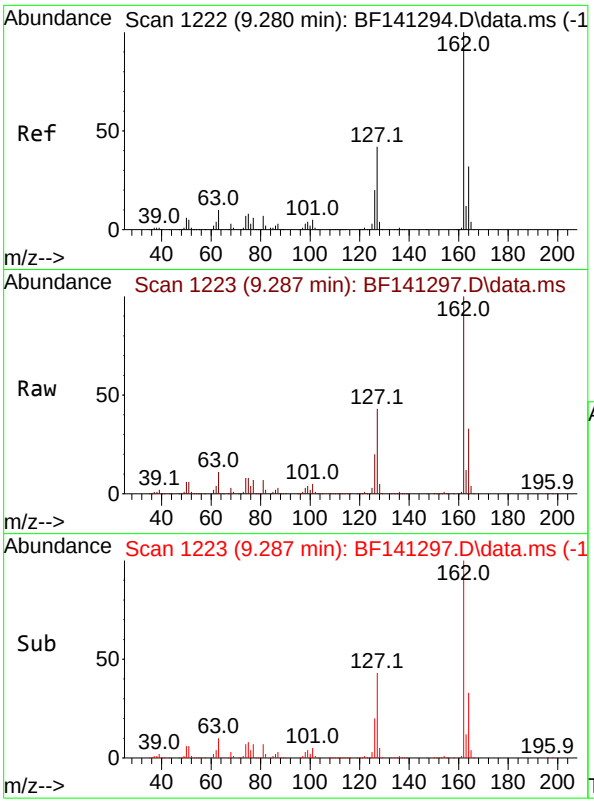


#46
1,1'-Biphenyl
Concen: 68.298 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



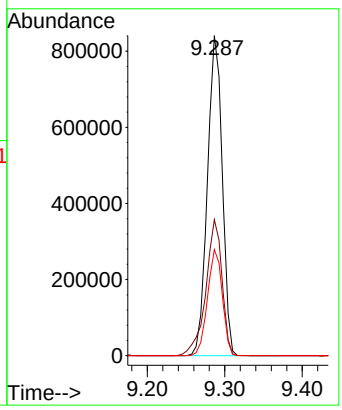


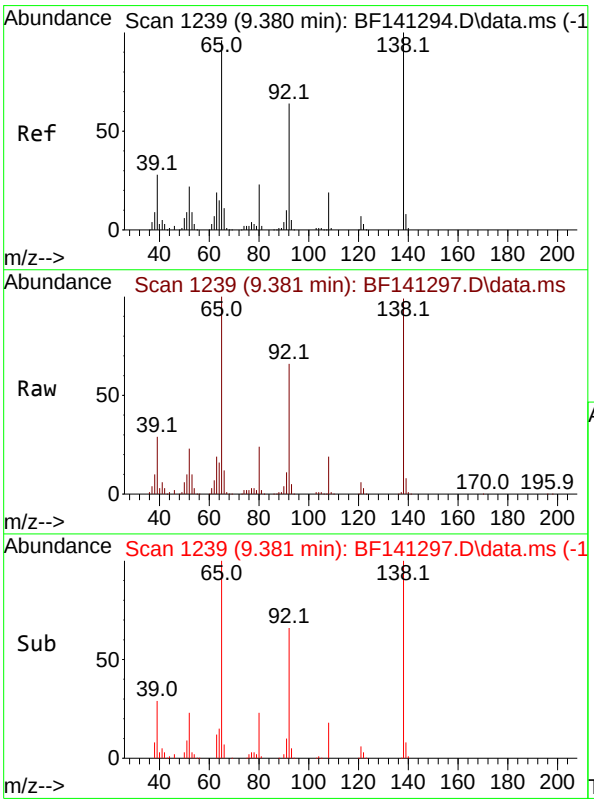
#47
2-Chloronaphthalene
Concen: 69.578 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

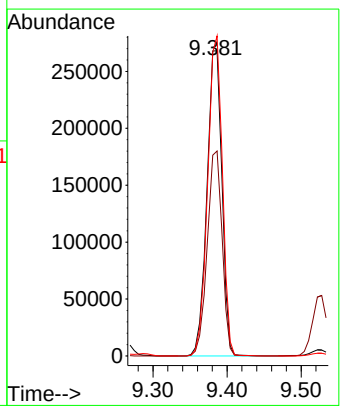


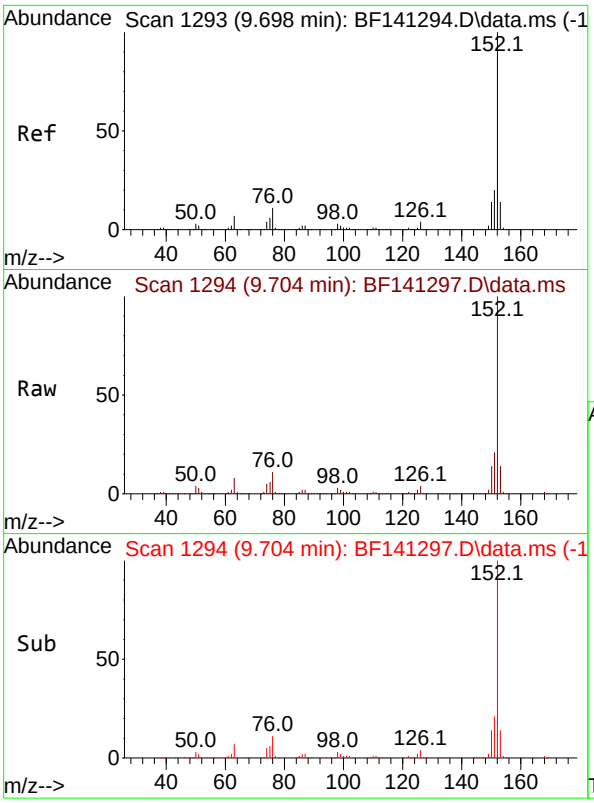


#48
2-Nitroaniline
Concen: 75.652 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



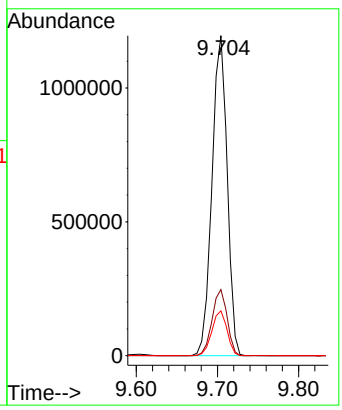


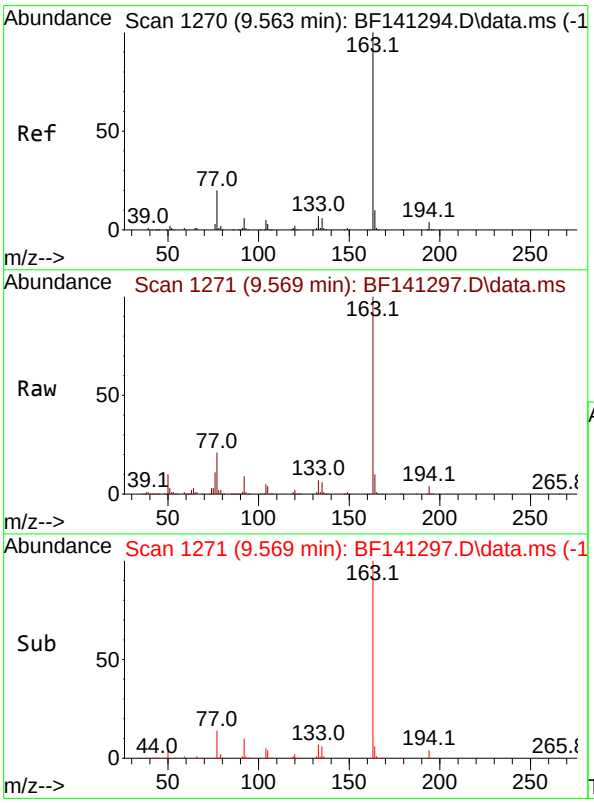
#49
Acenaphthylene
Concen: 68.901 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

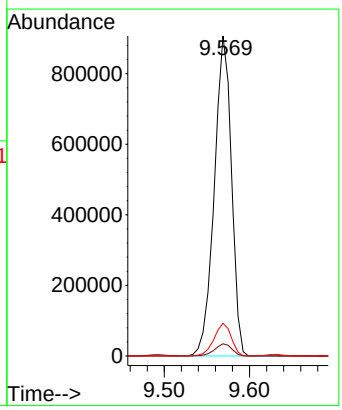


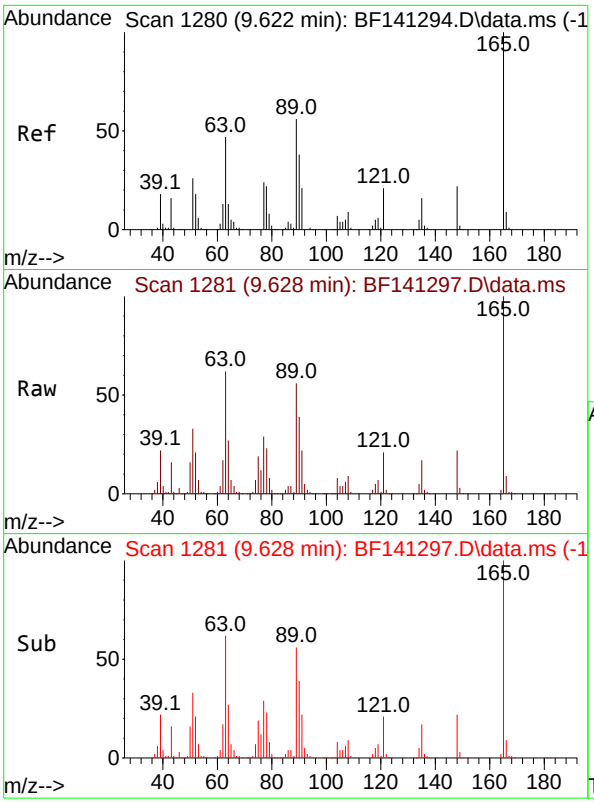


#50
Dimethylphthalate
Concen: 71.308 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



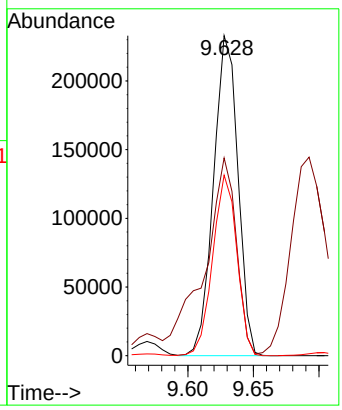


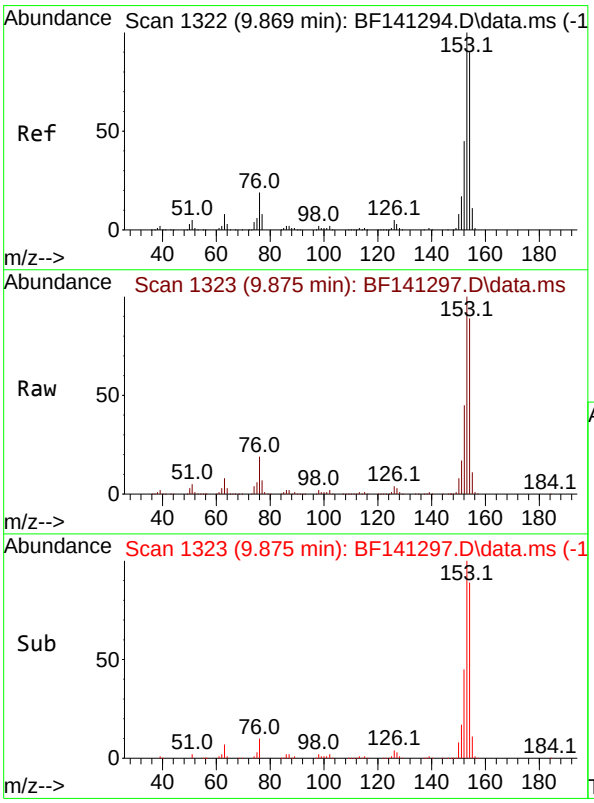
#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

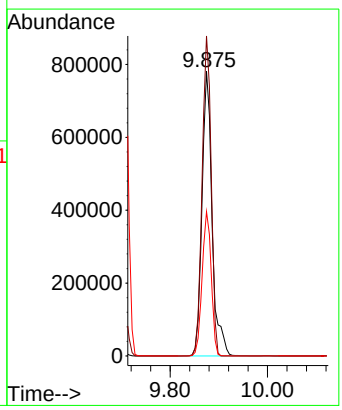


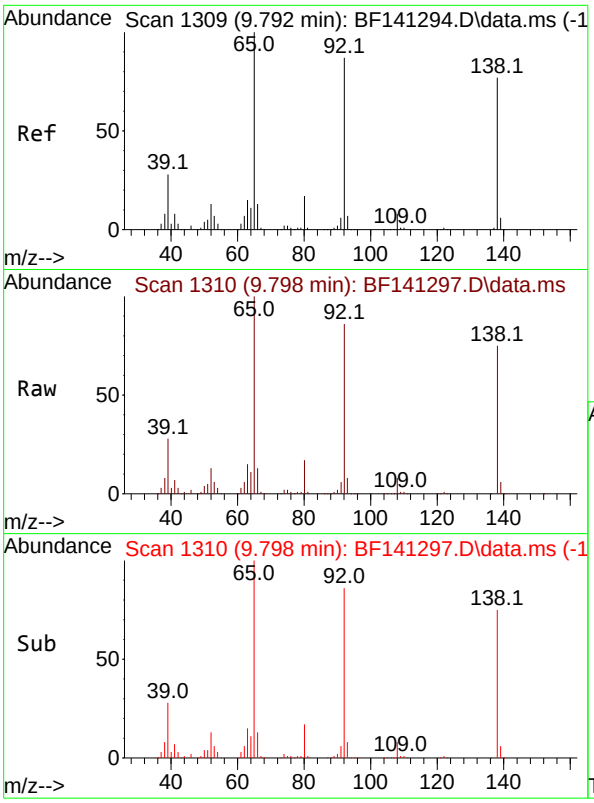


#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



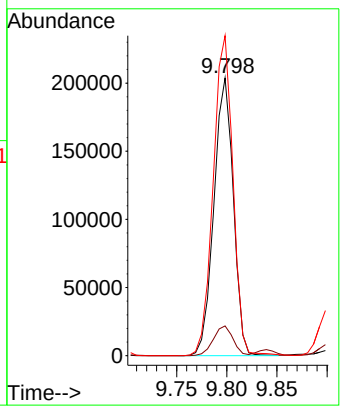


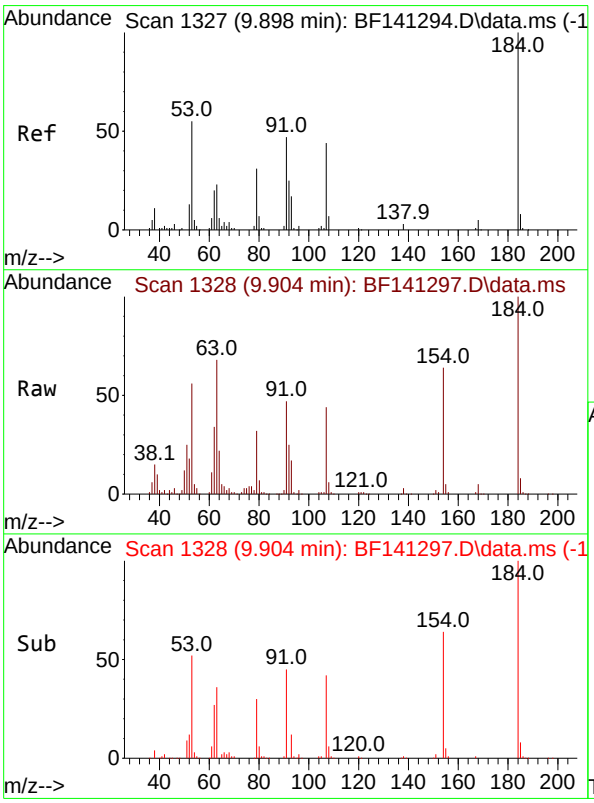
#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

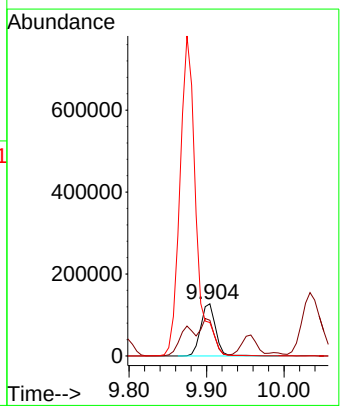


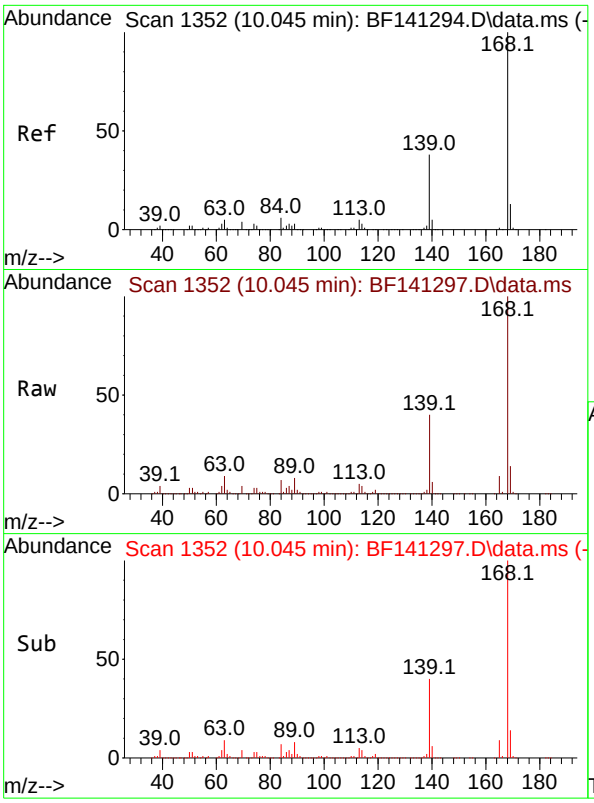


#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



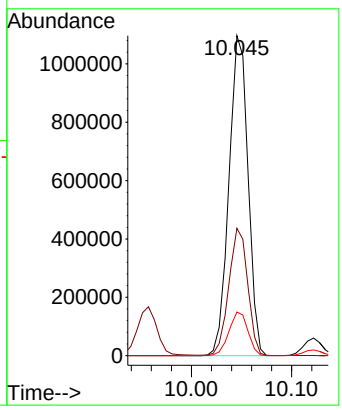


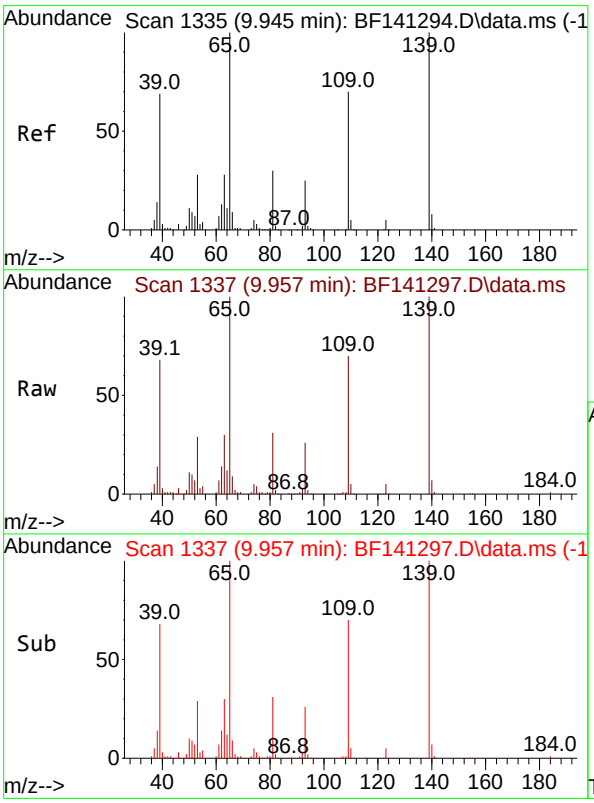
#55
Dibenzofuran
Concen: 67.158 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

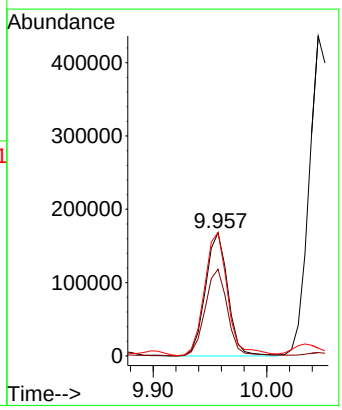


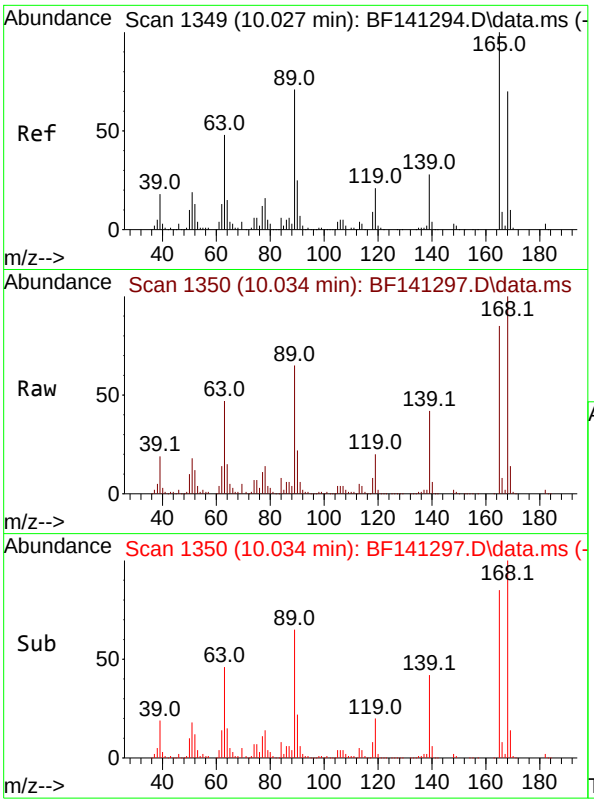


#56
4-Nitrophenol
Concen: 78.788 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



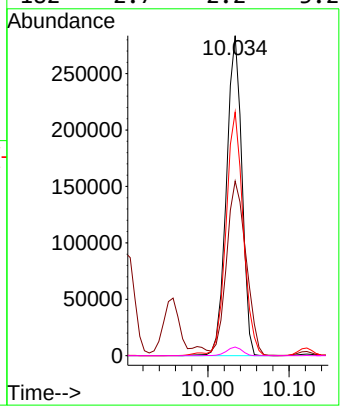


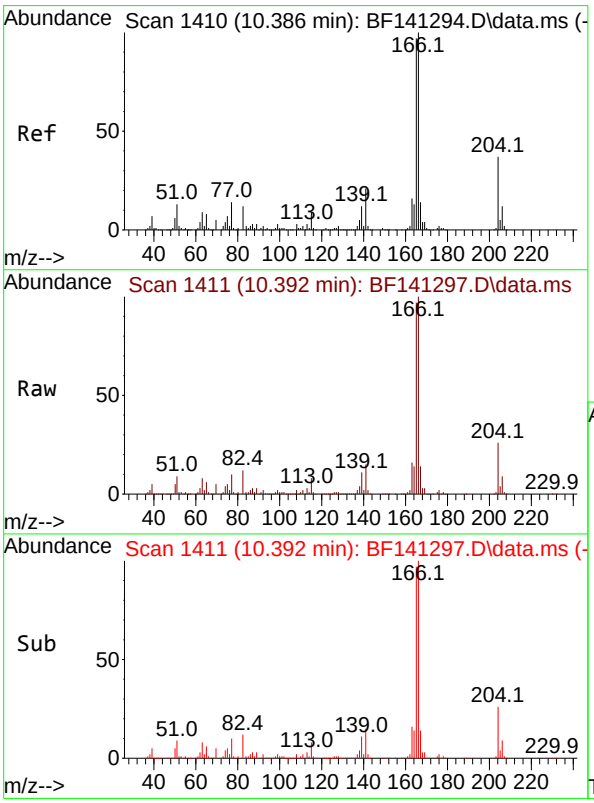
#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

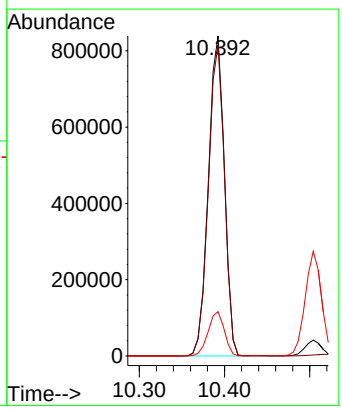


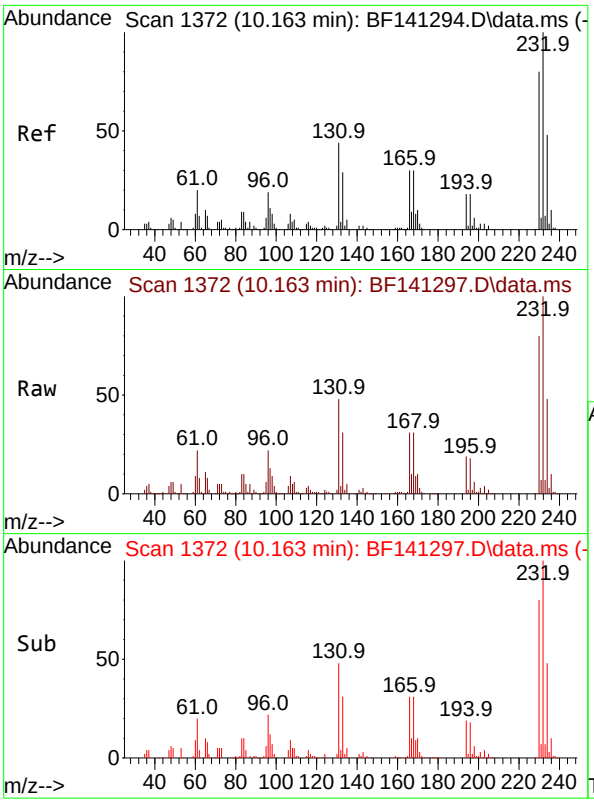


#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



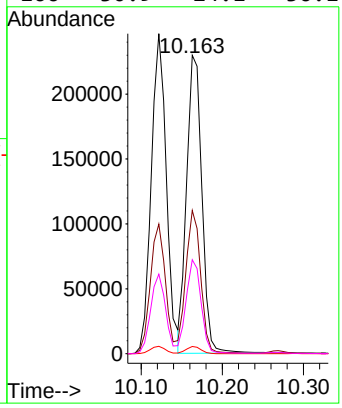


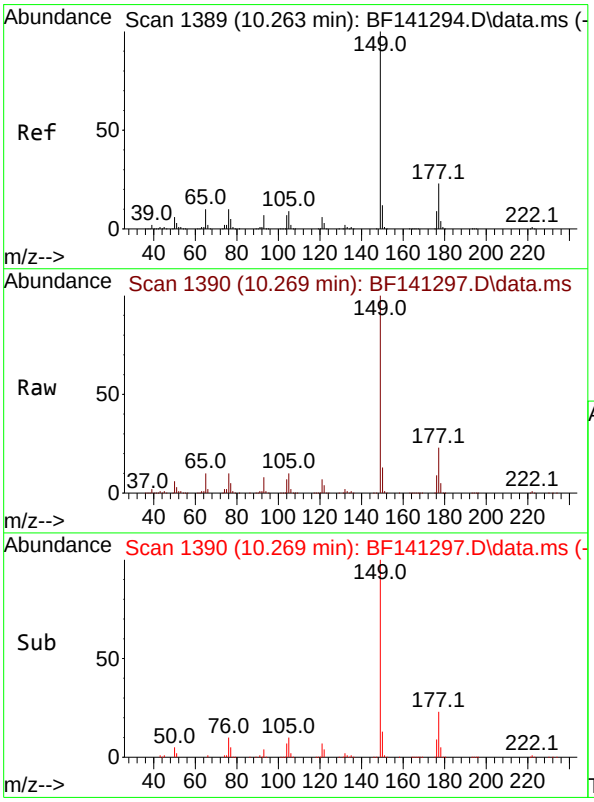
#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

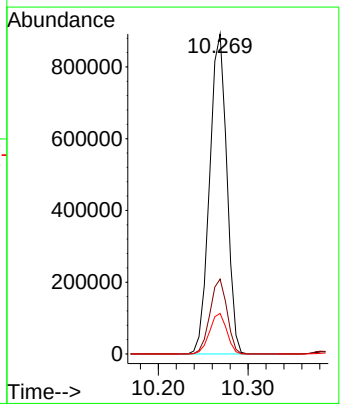


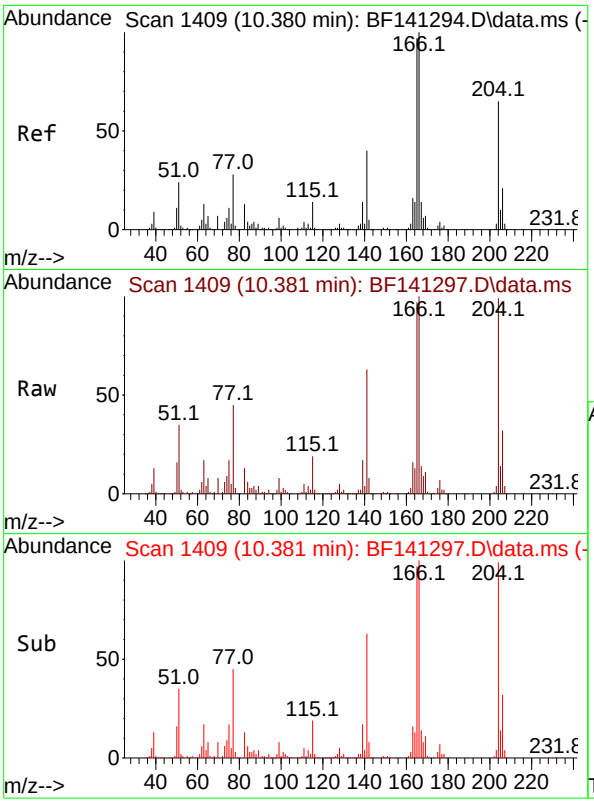


#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



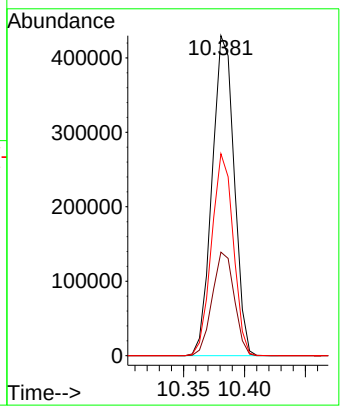


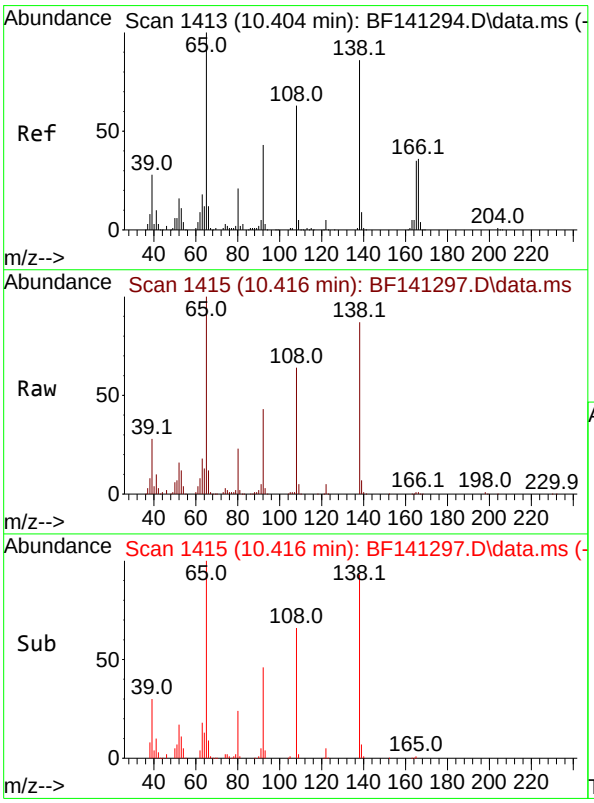
#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

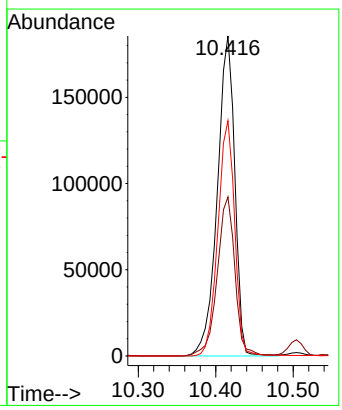


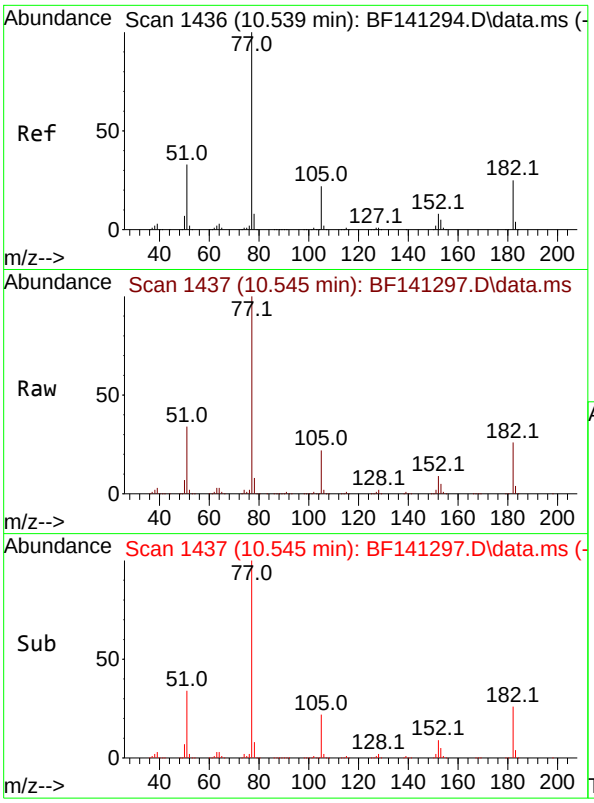


#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



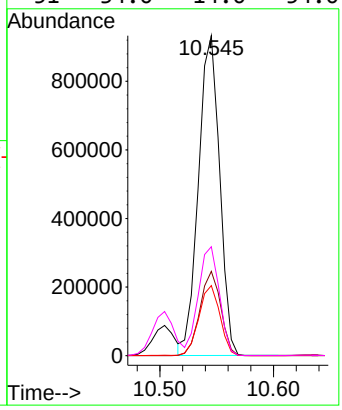


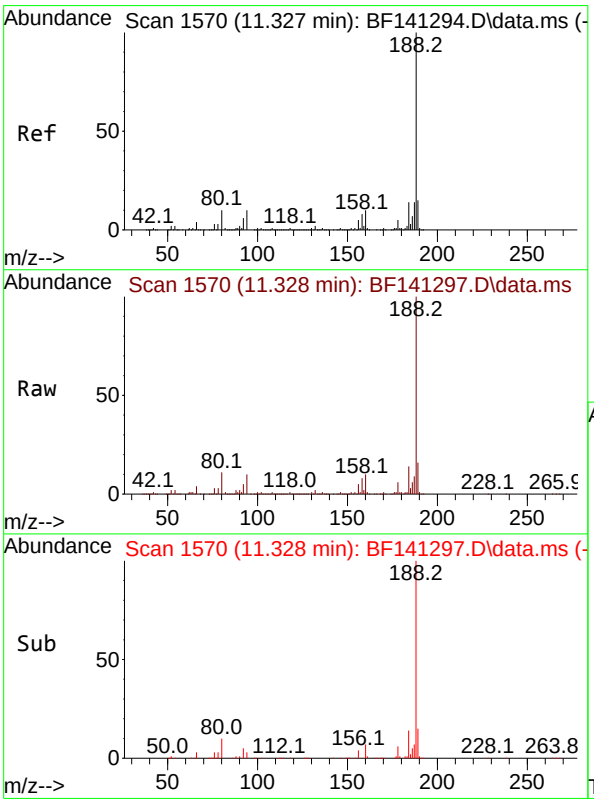
#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

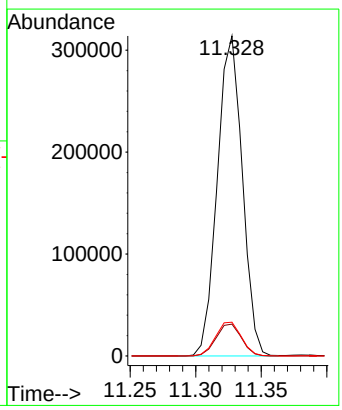


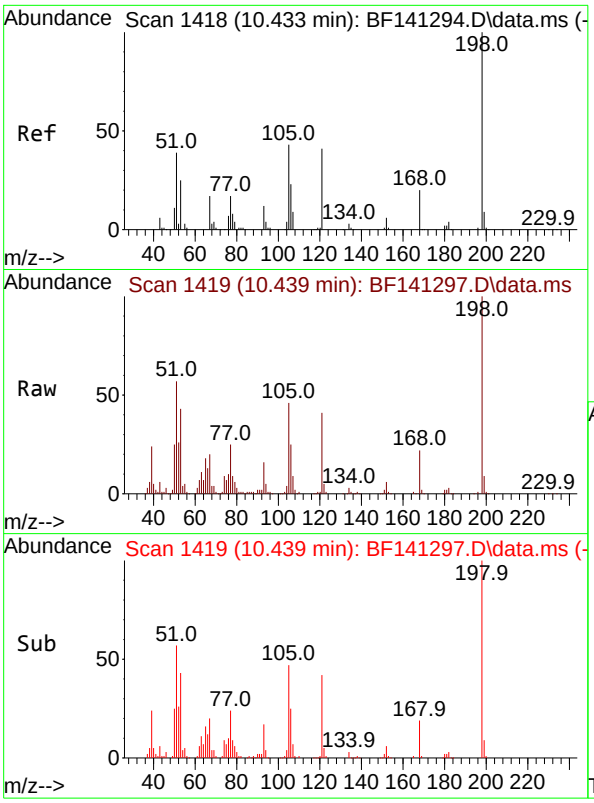


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



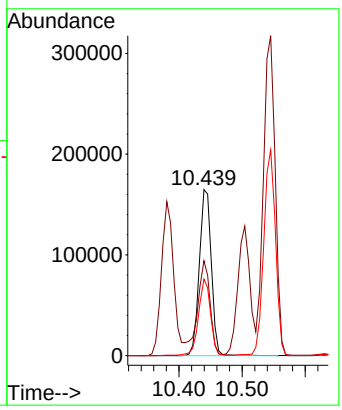


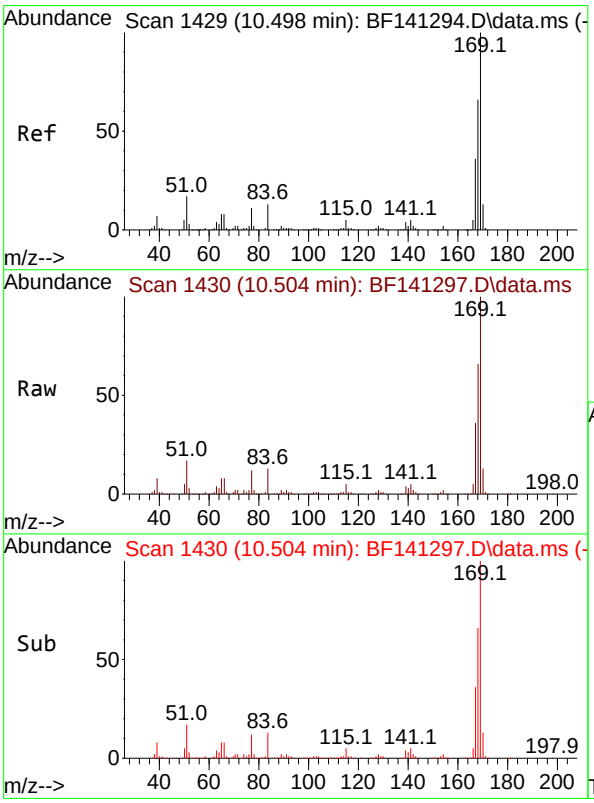
#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

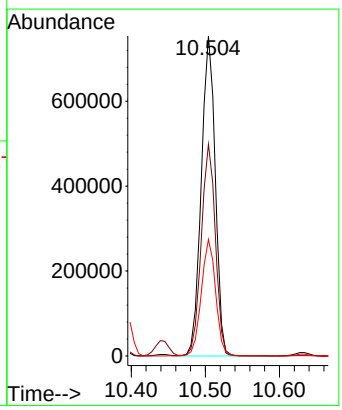


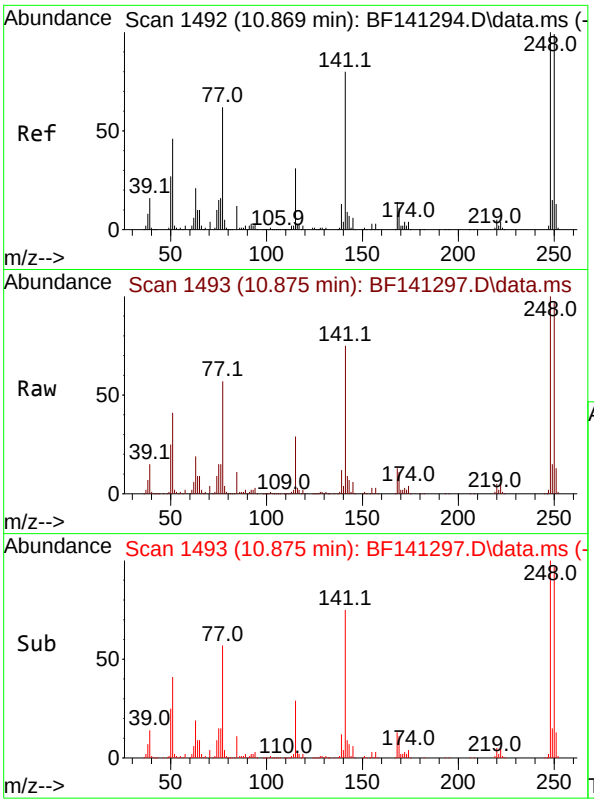


#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



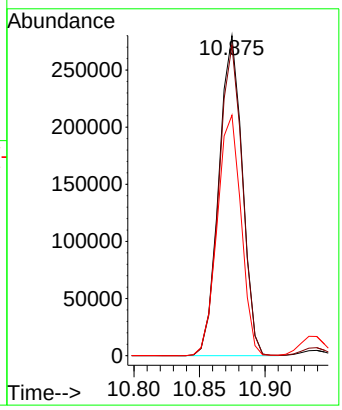


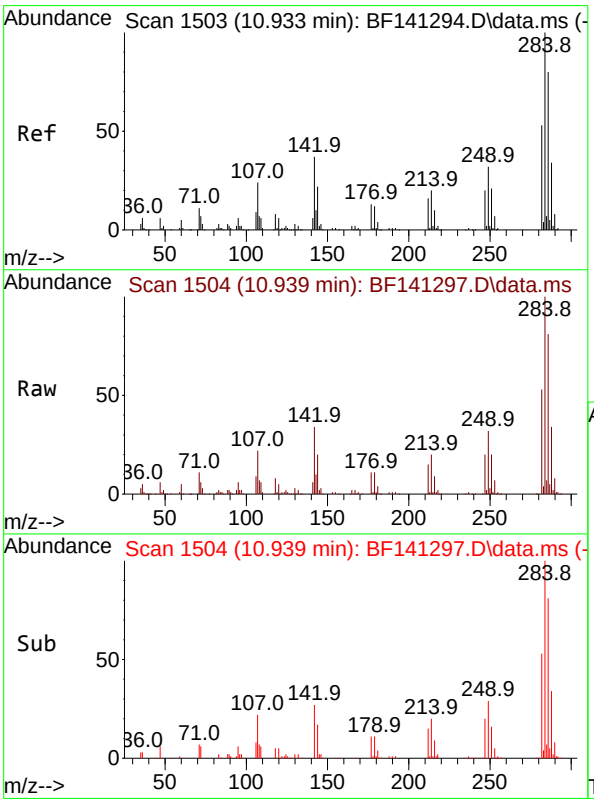
#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

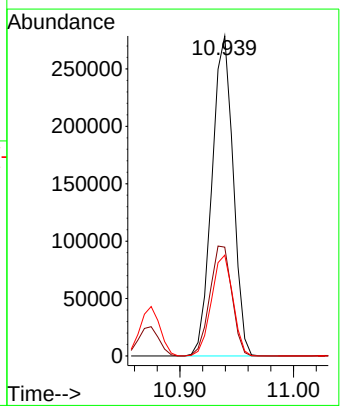


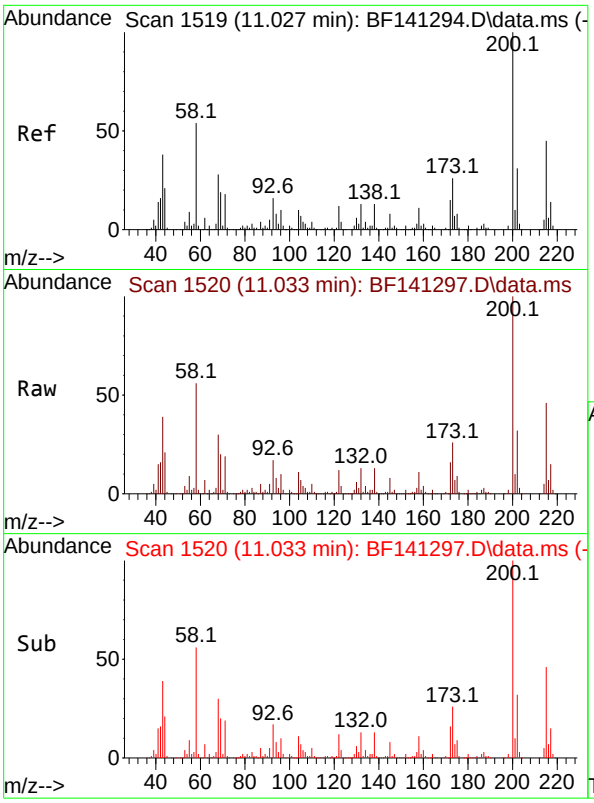


#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



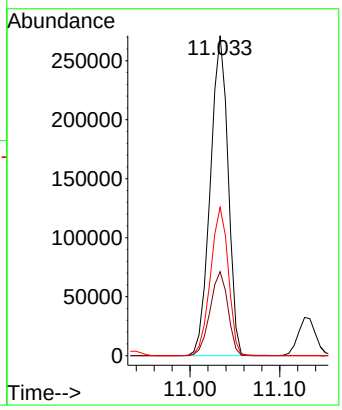


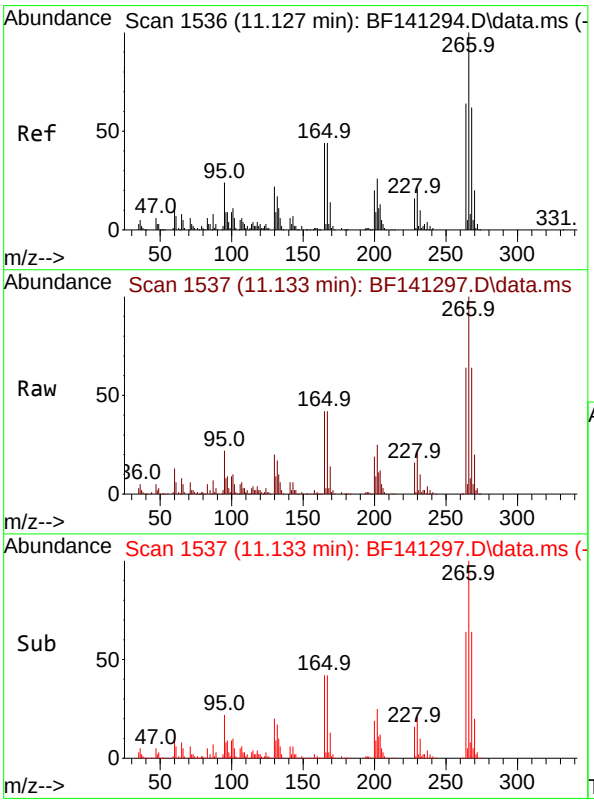
#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

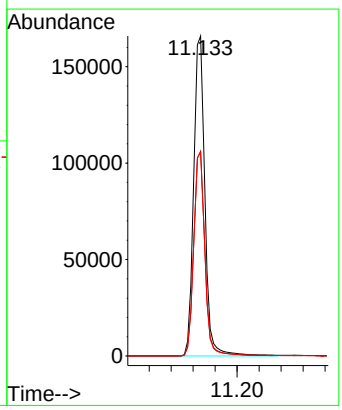


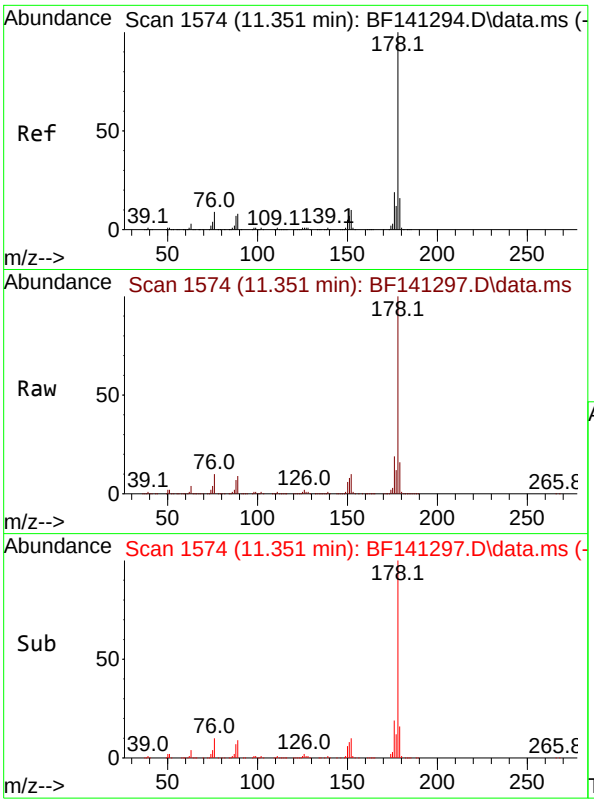


#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



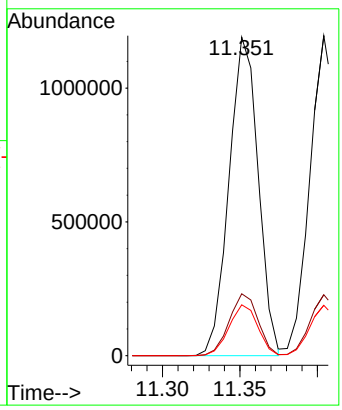


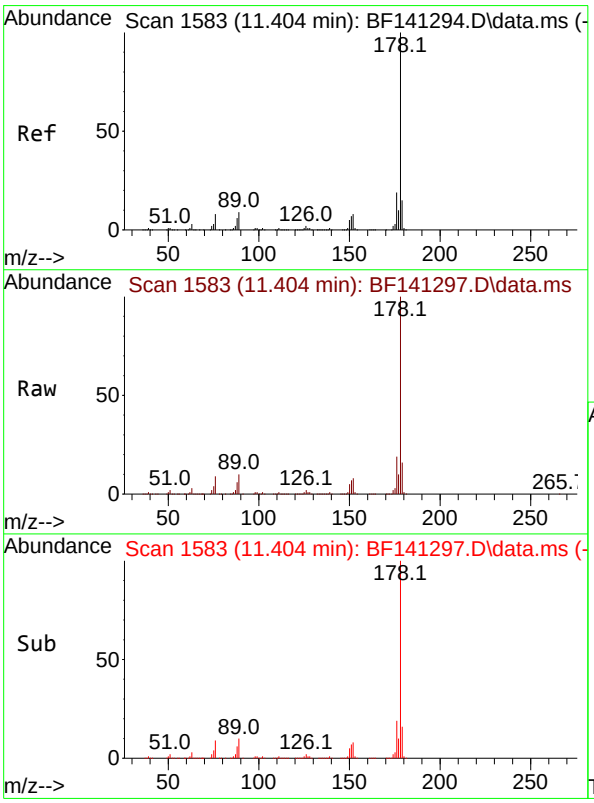
#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

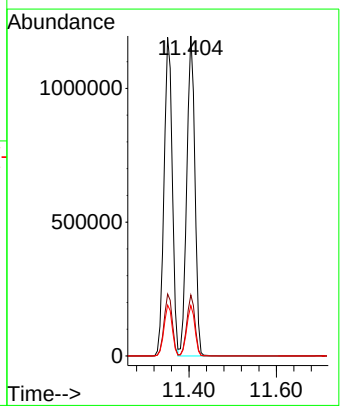


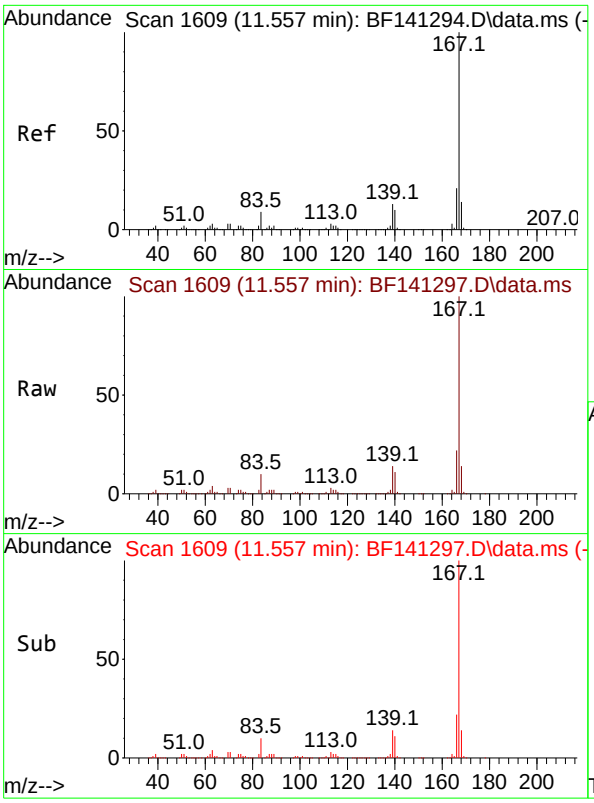


#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



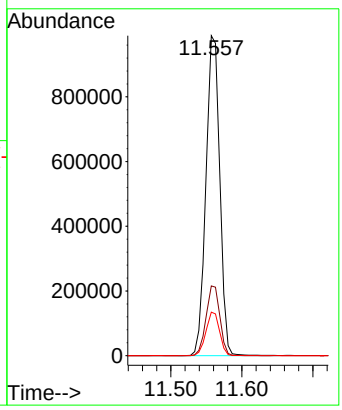


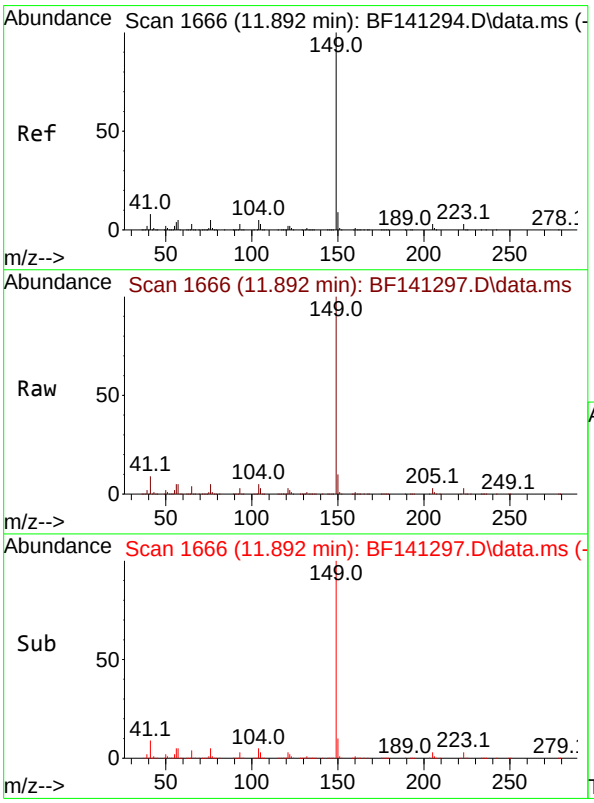
#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

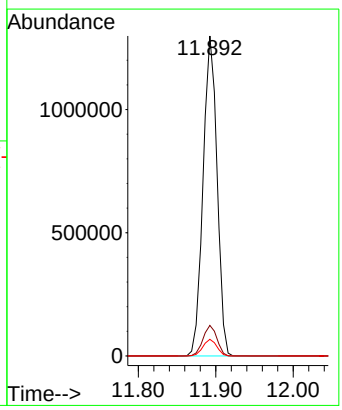


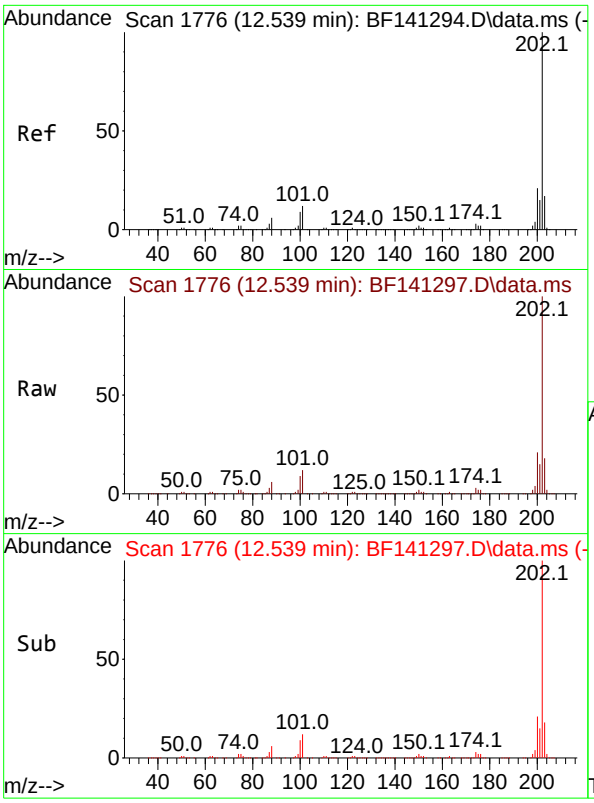


#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



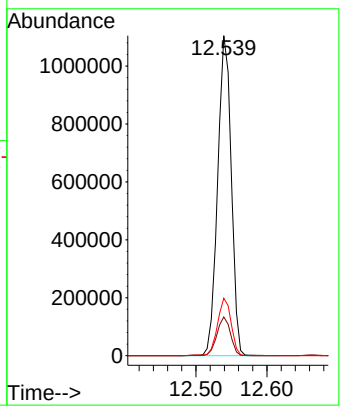


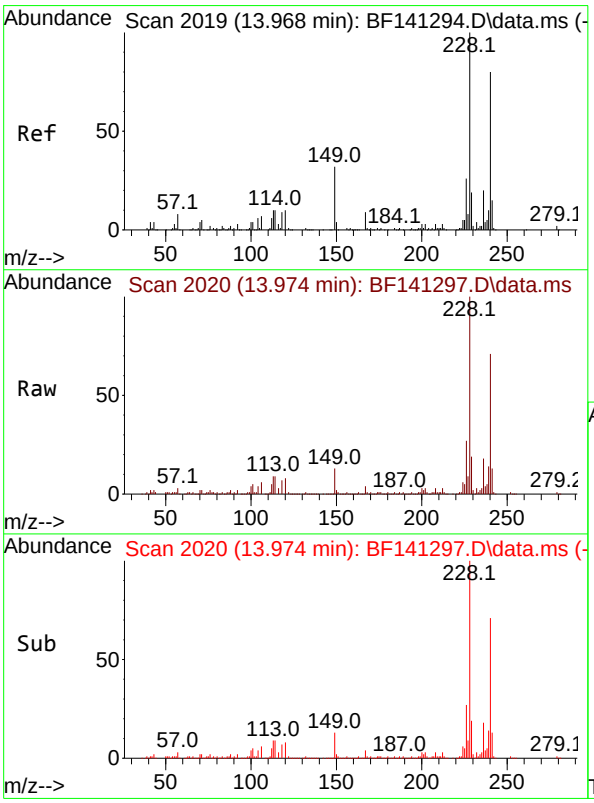
#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

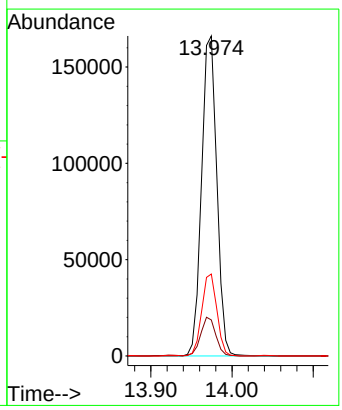


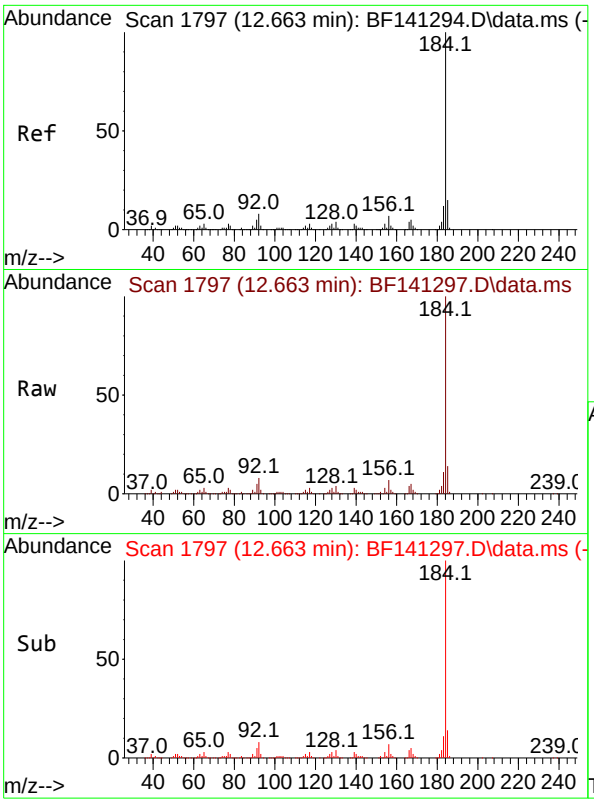


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



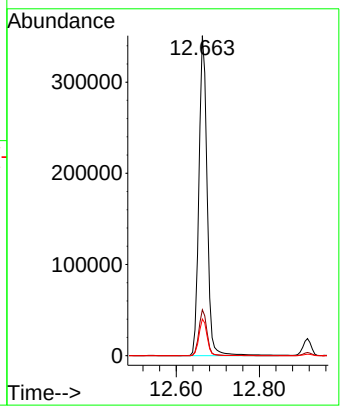


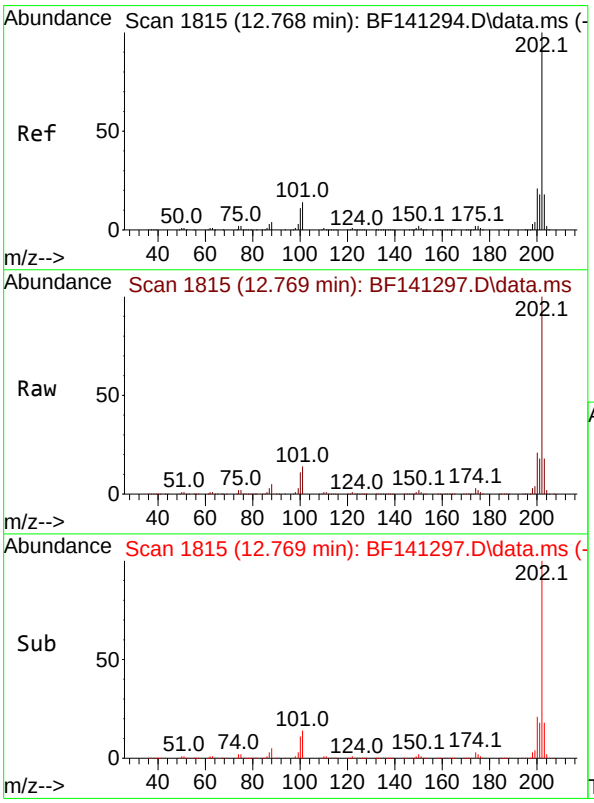
#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

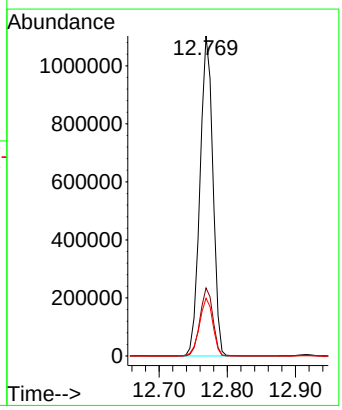


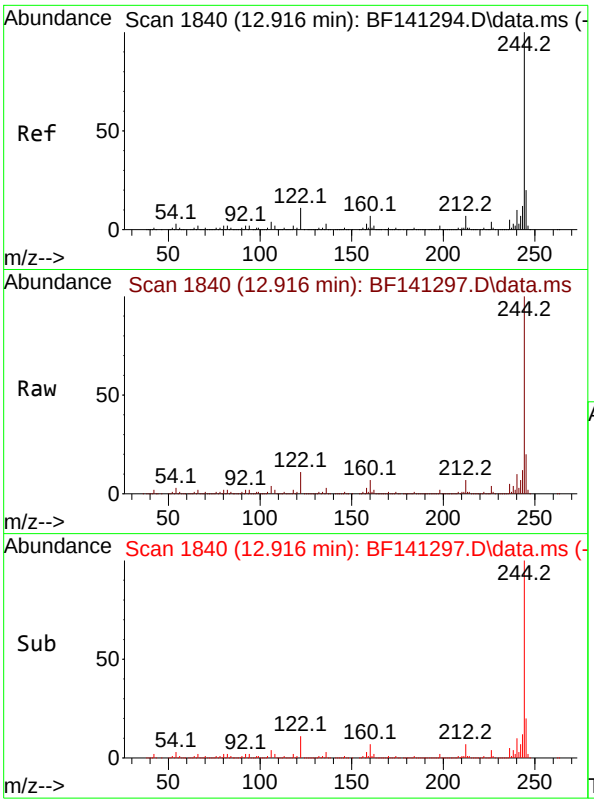


#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



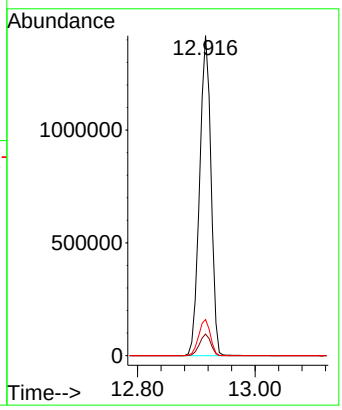


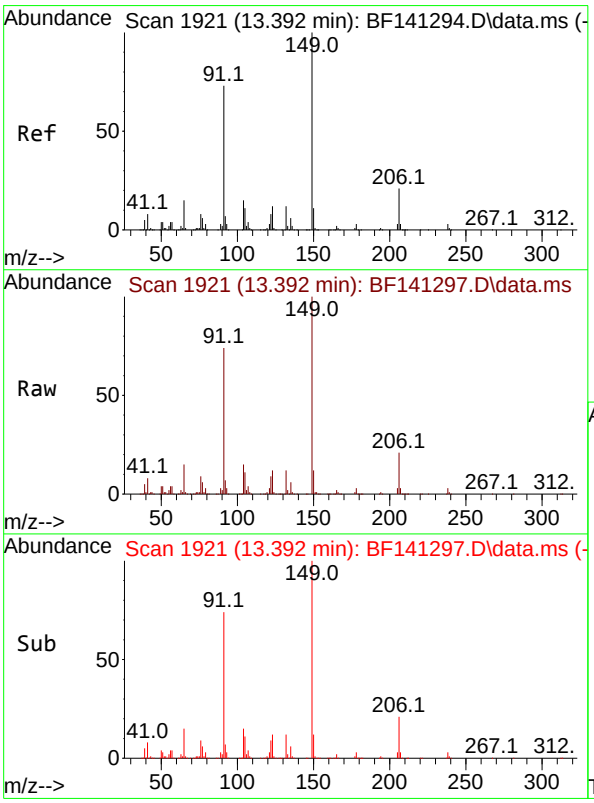
#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

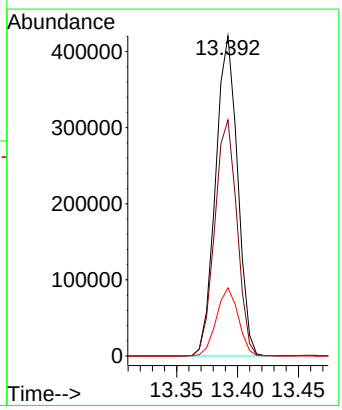


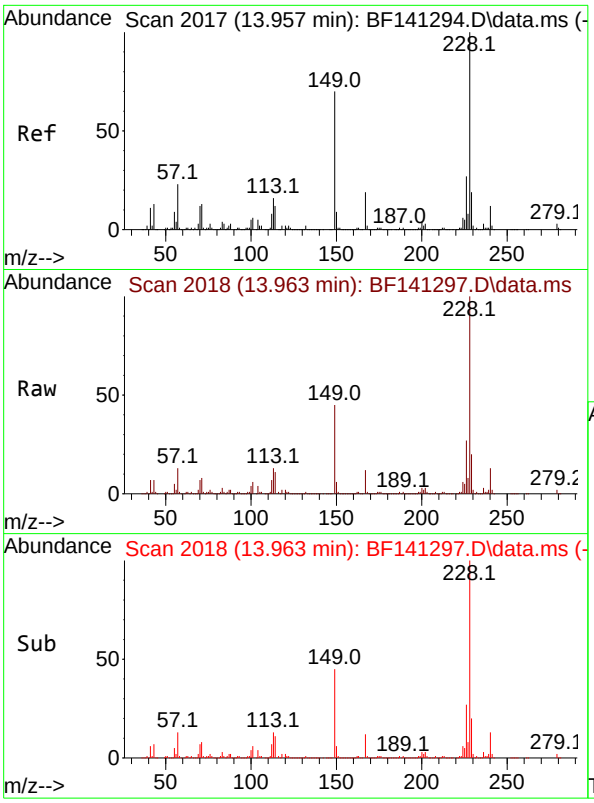


#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



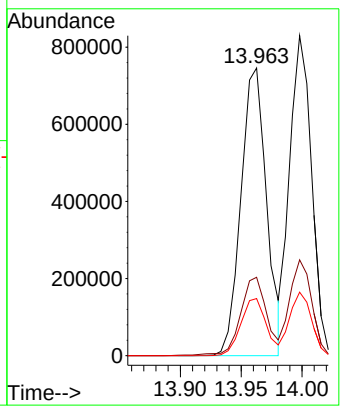


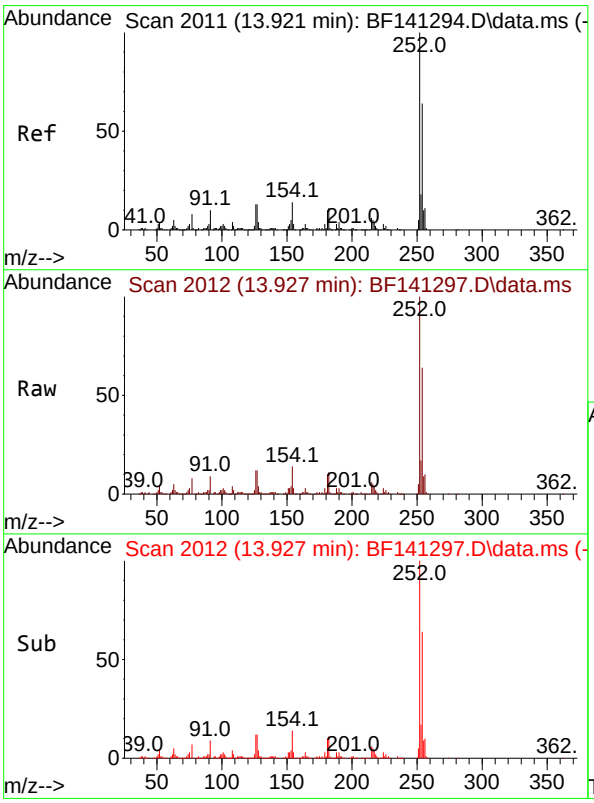
#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

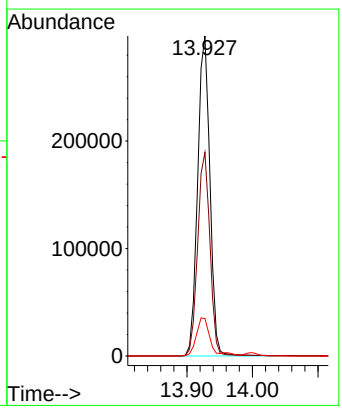


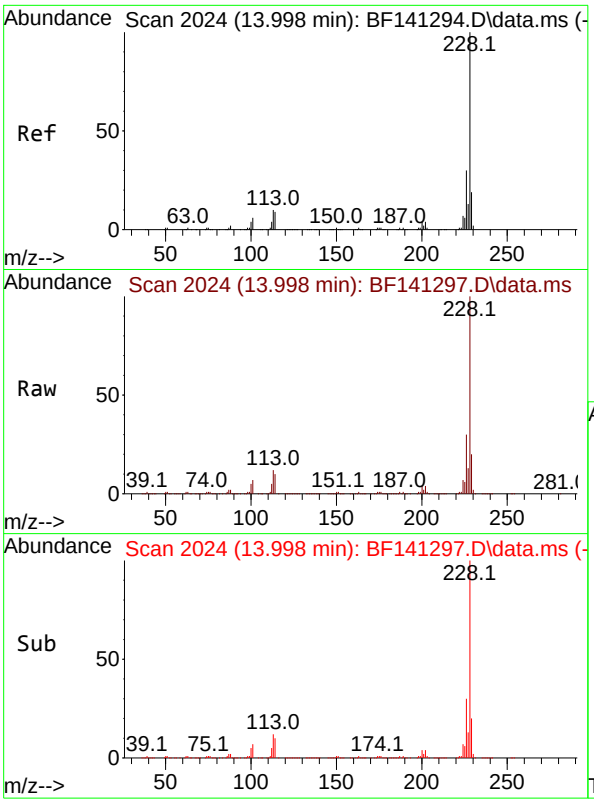


#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



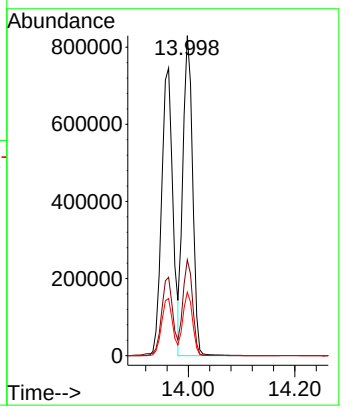


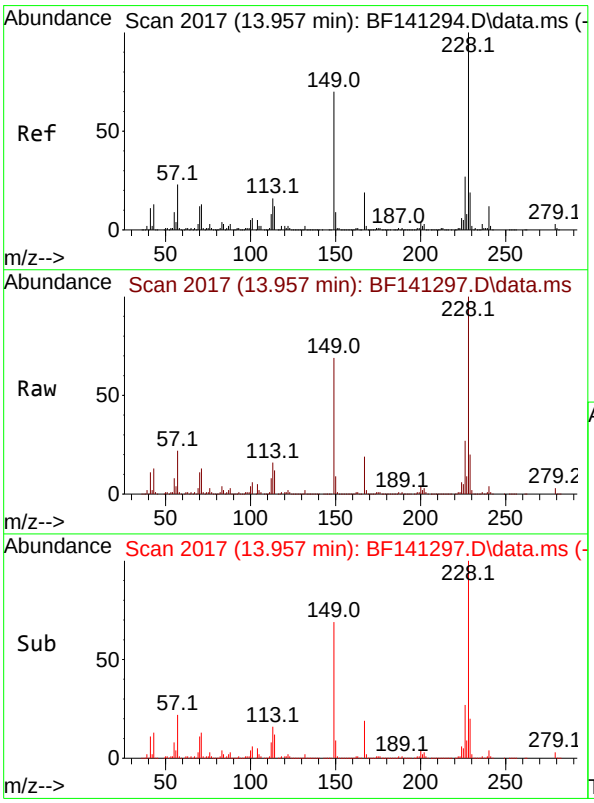
#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

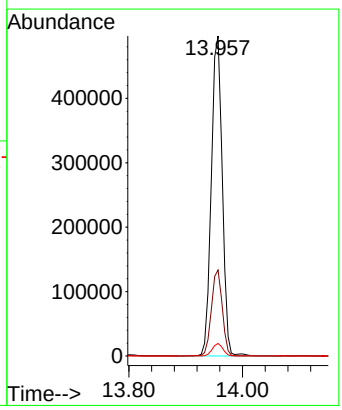


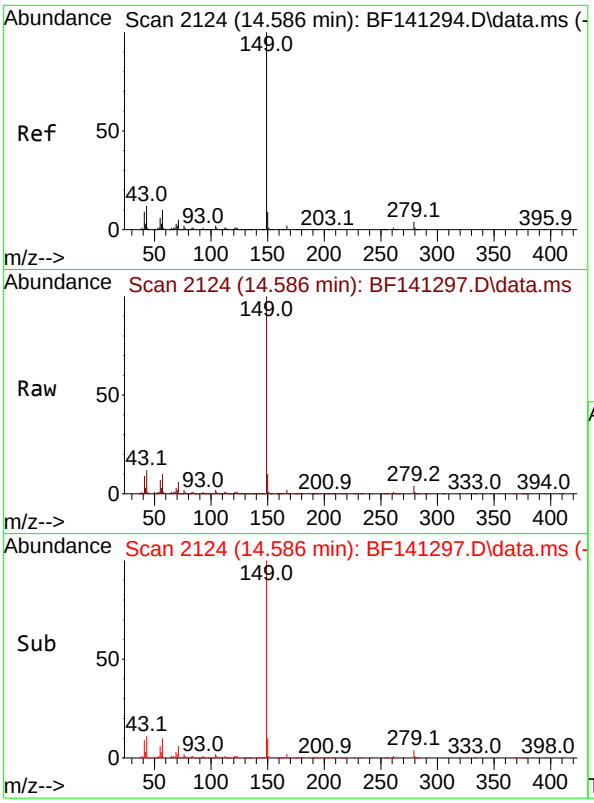


#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



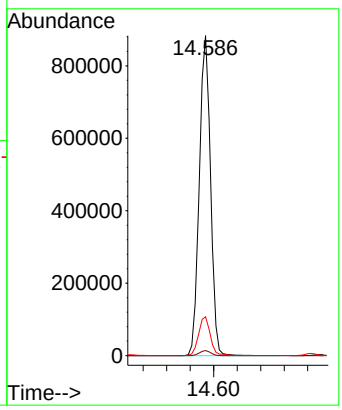


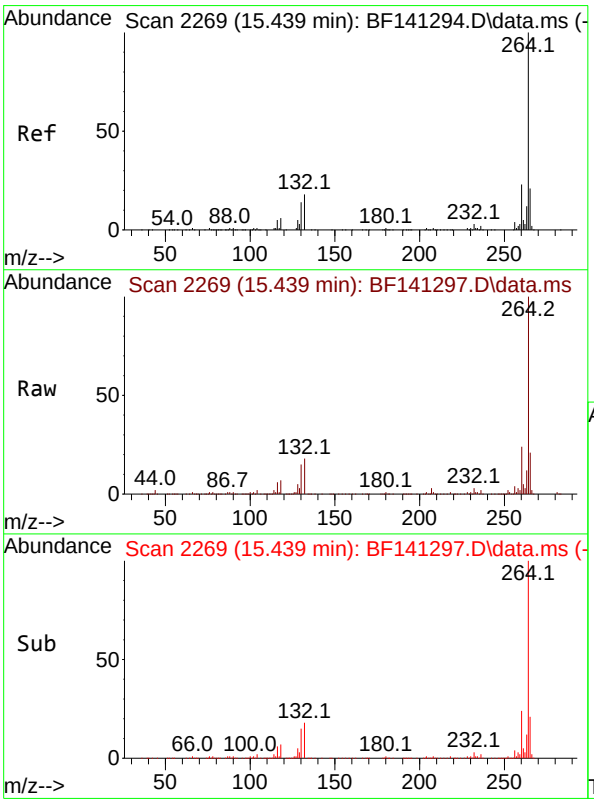
#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

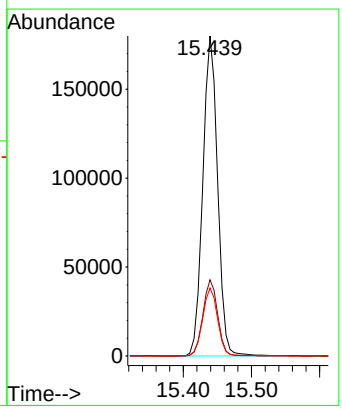


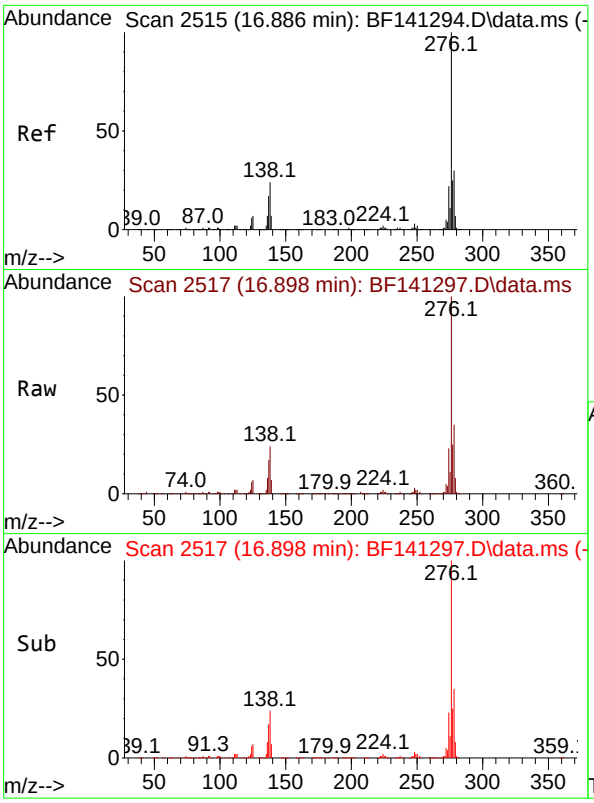


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



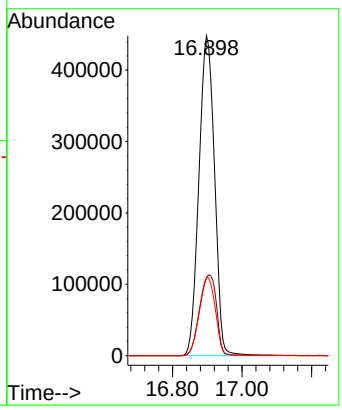


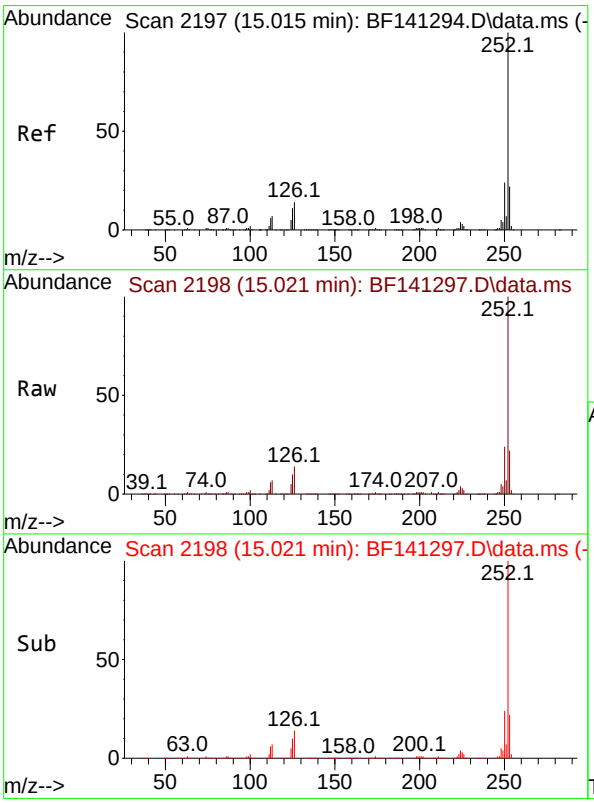
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

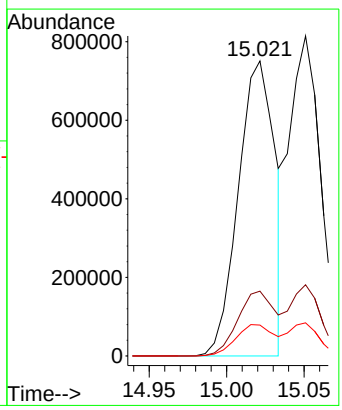


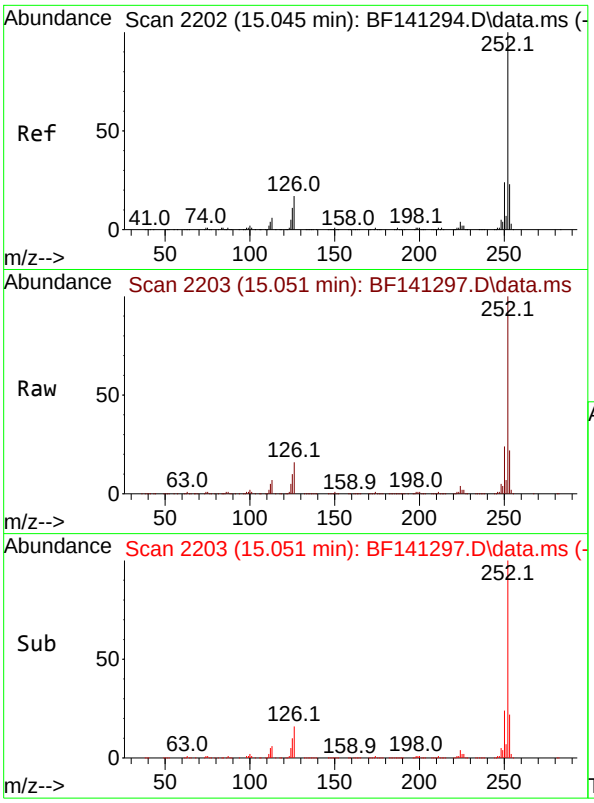


#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



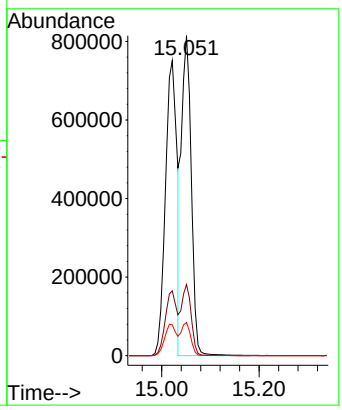


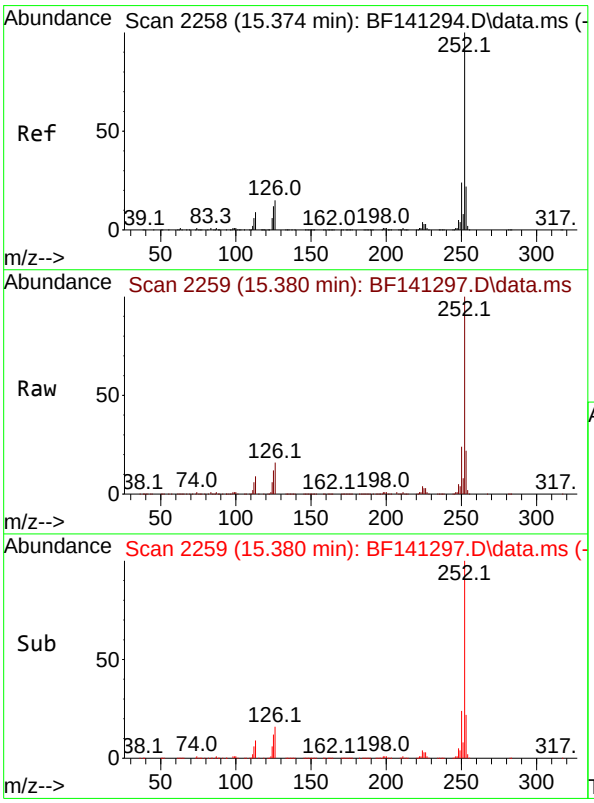
#89
Benzo(k)fluoranthene
Concen: 75.010 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

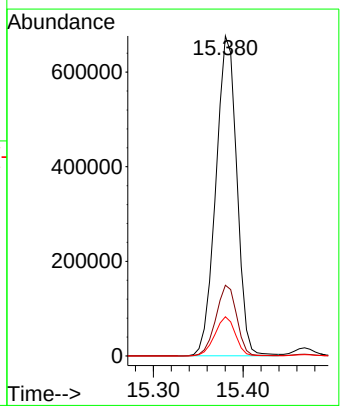


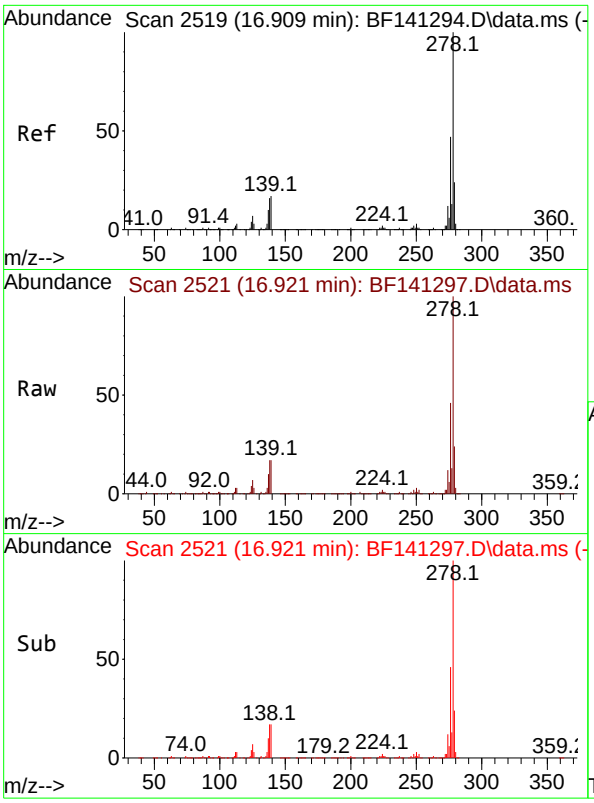


#90
Benzo(a)pyrene
Concen: 75.410 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



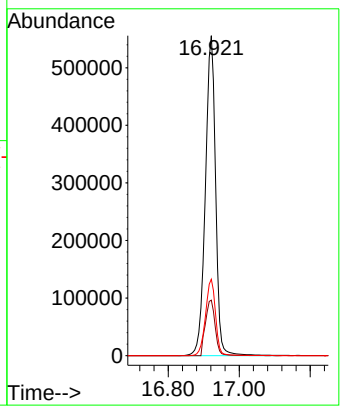


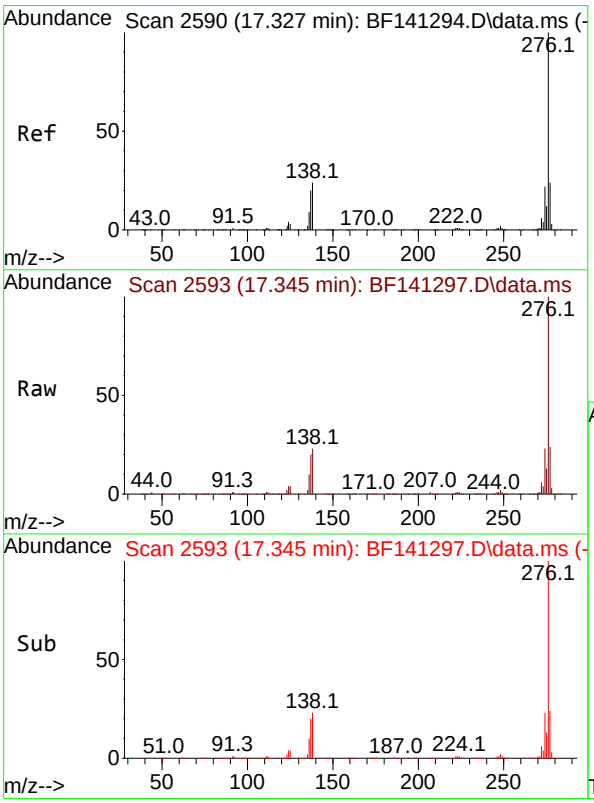
#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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

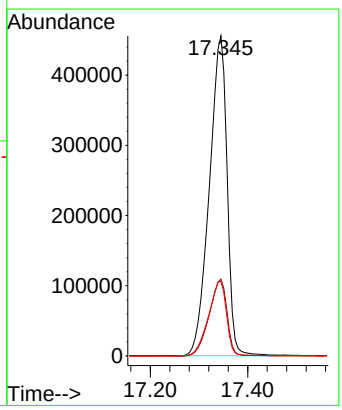




#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

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



Quantitation Report (QT Reviewed)

ICAL Form

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)
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

ICAL Form

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

ICAL Form

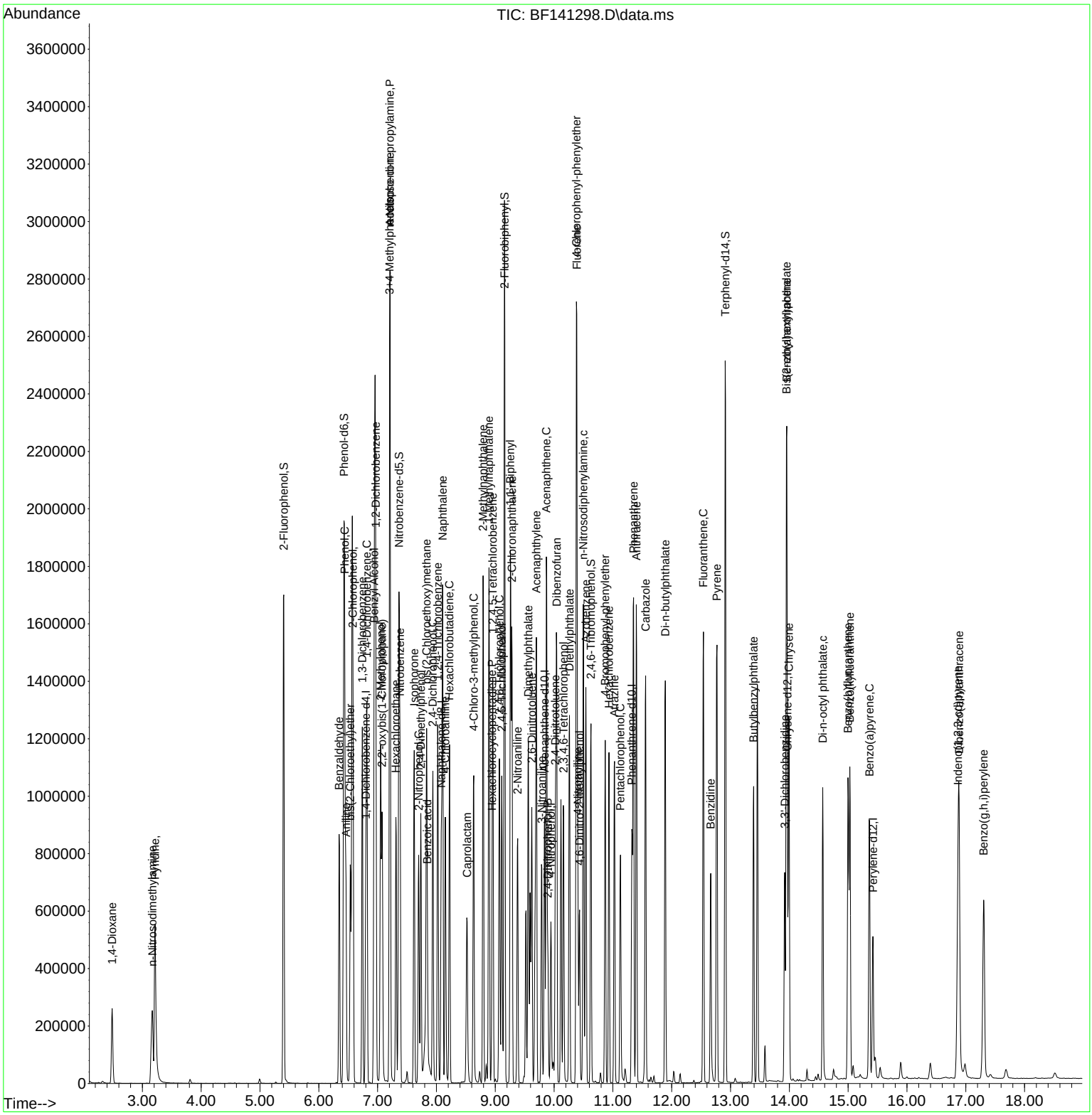
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

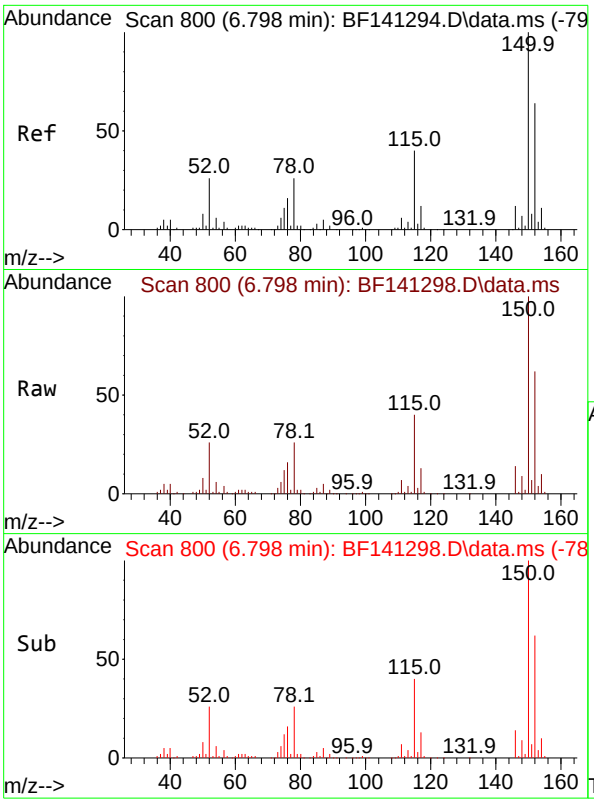
Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

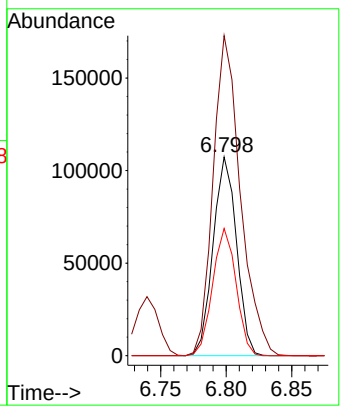




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 13331

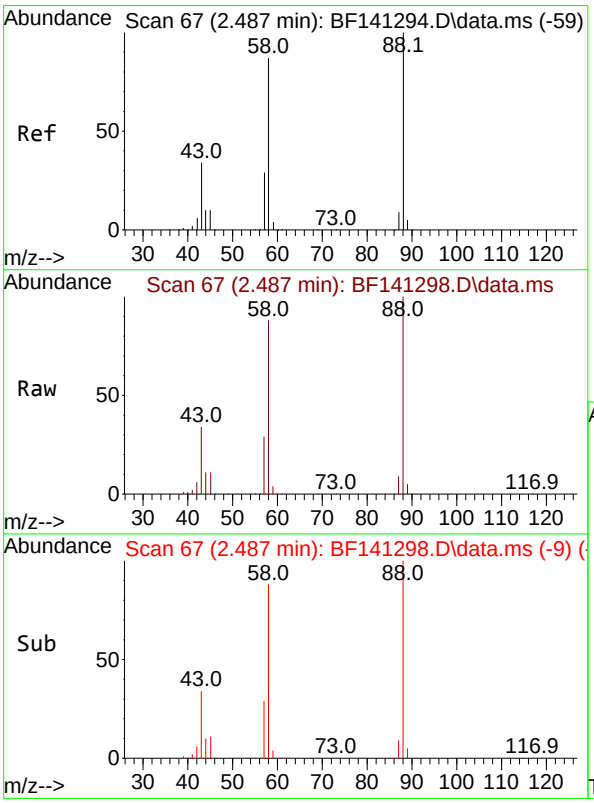
Ion	Ratio	Lower	Upper
152	100		
150	161.0	125.9	188.9
115	64.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

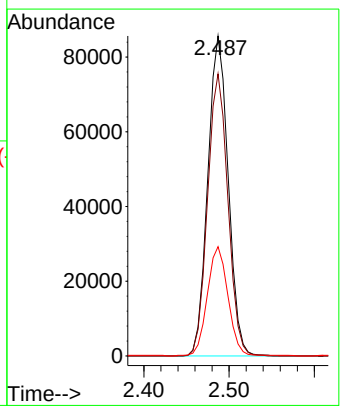
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

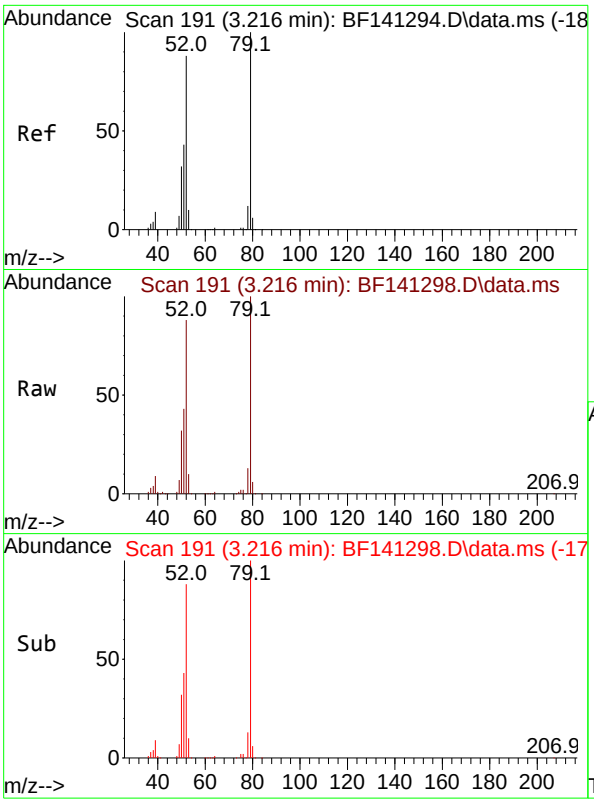


#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

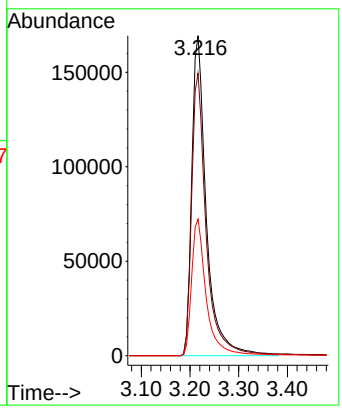




#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 35347

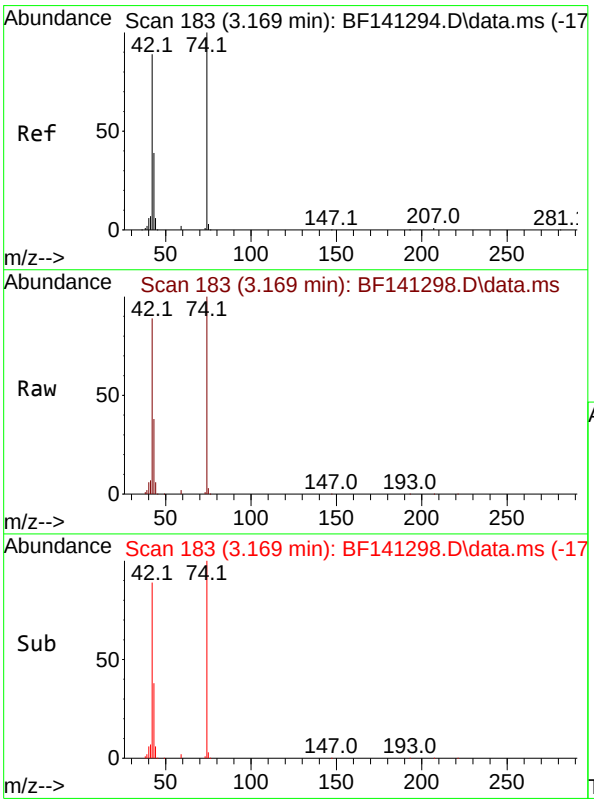
Ion	Ratio	Lower	Upper
79	100		
52	88.3	70.3	105.5
51	42.7	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

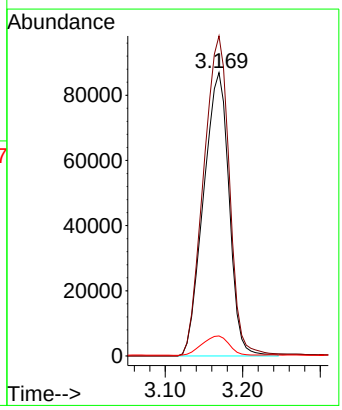
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

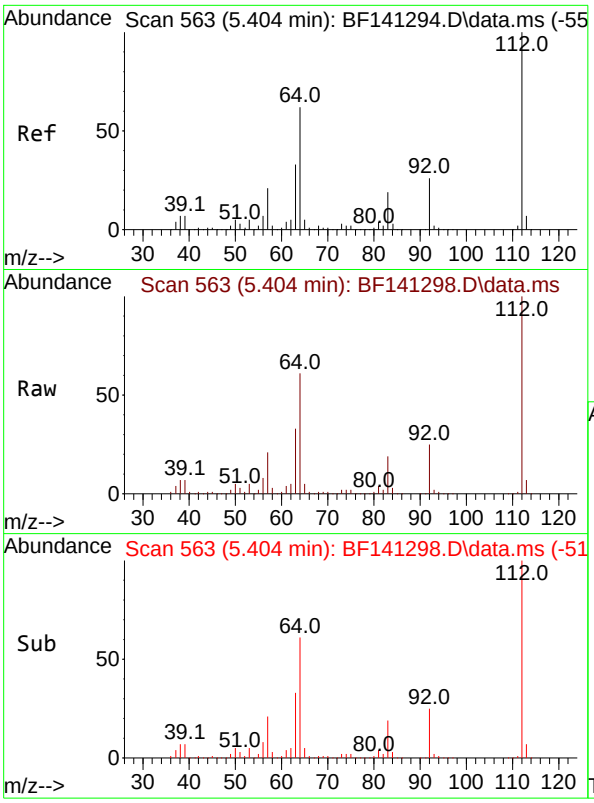


#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

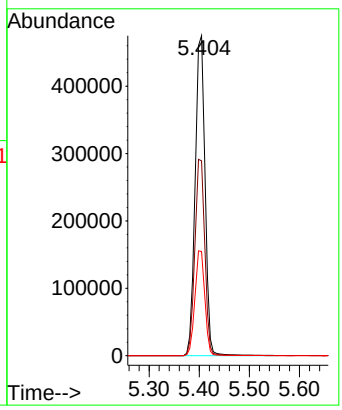




#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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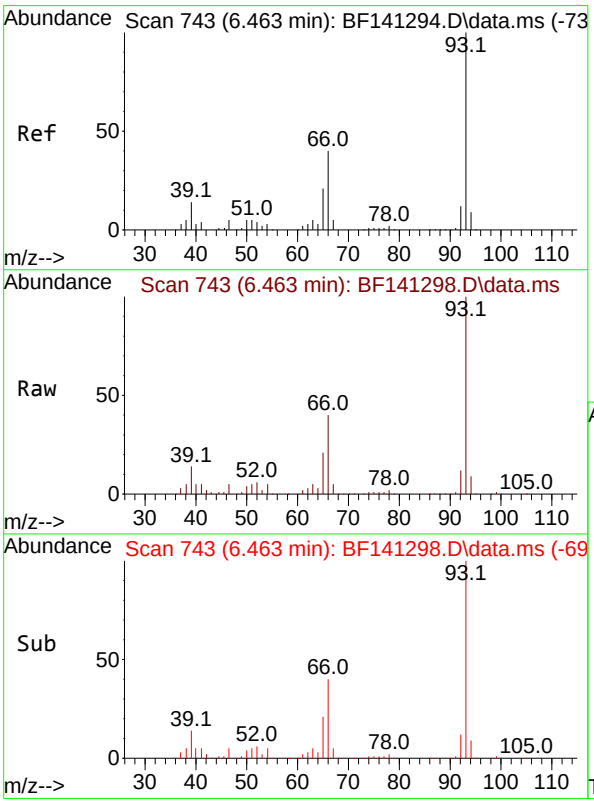
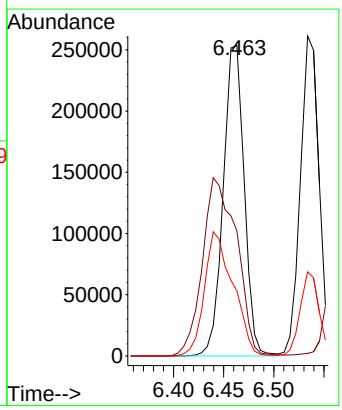
Supervised By :mohammad ahmed 02/04/2025

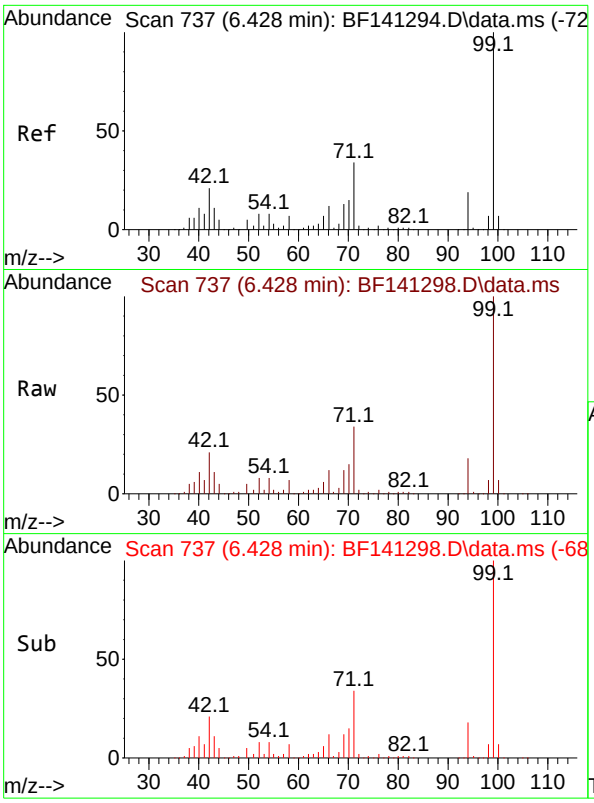


#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

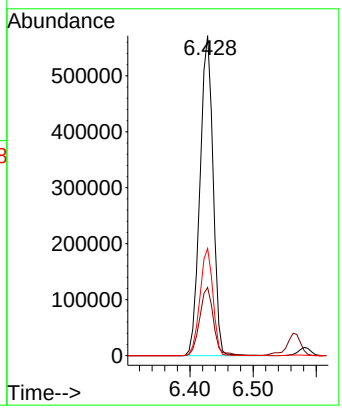




#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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



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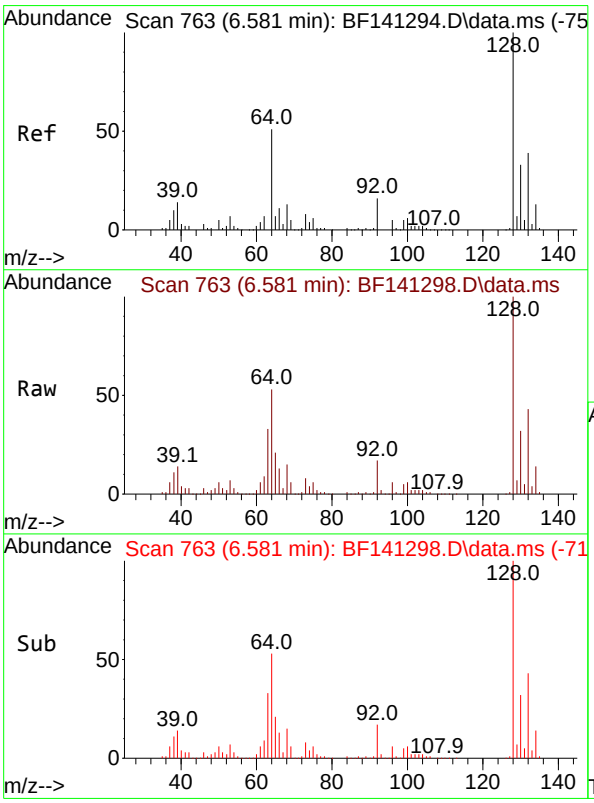
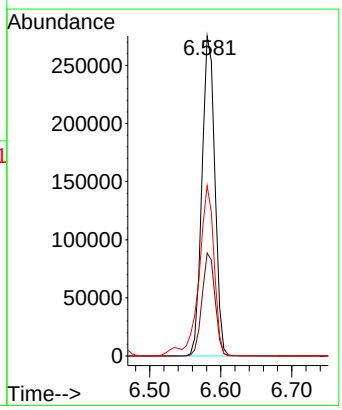
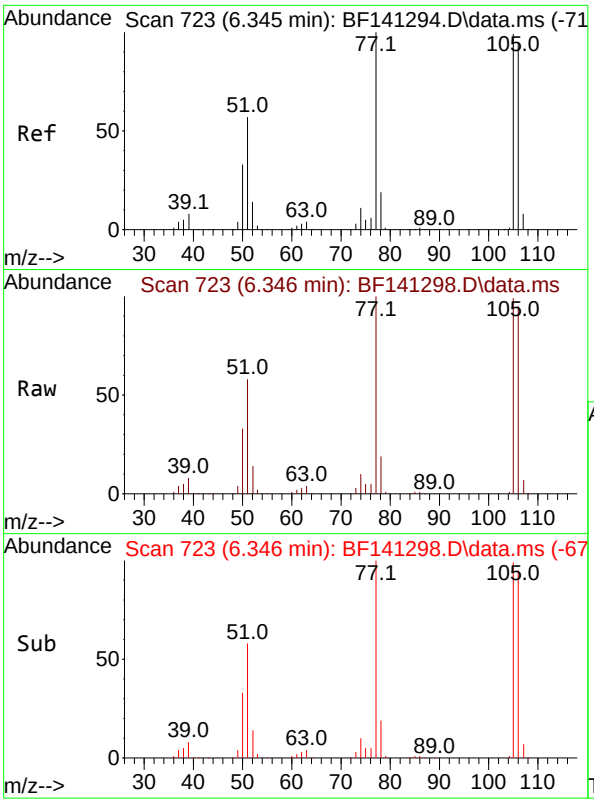


#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

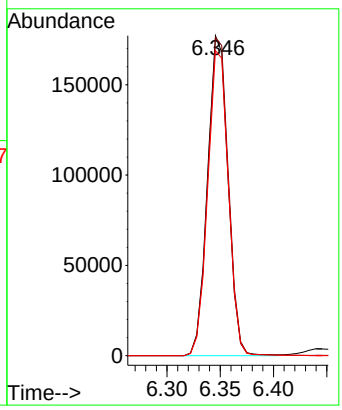




#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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ClientSampleId :
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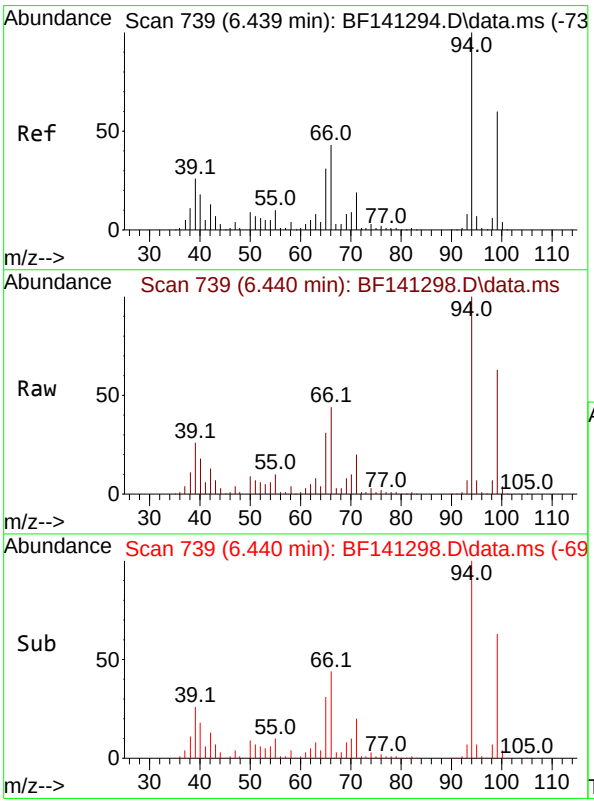
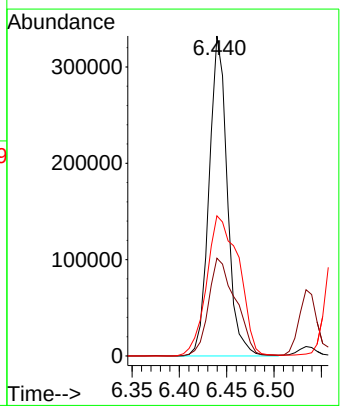
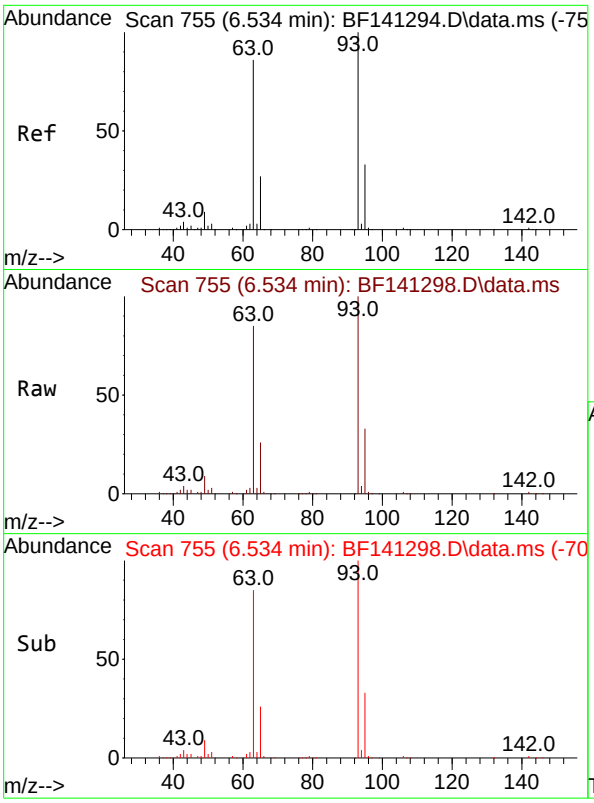


#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

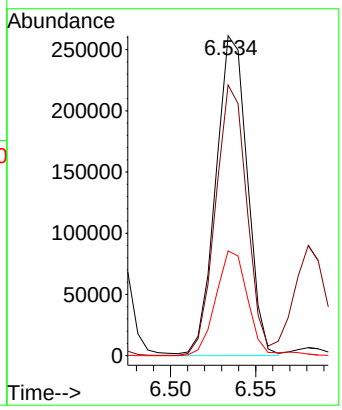




#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

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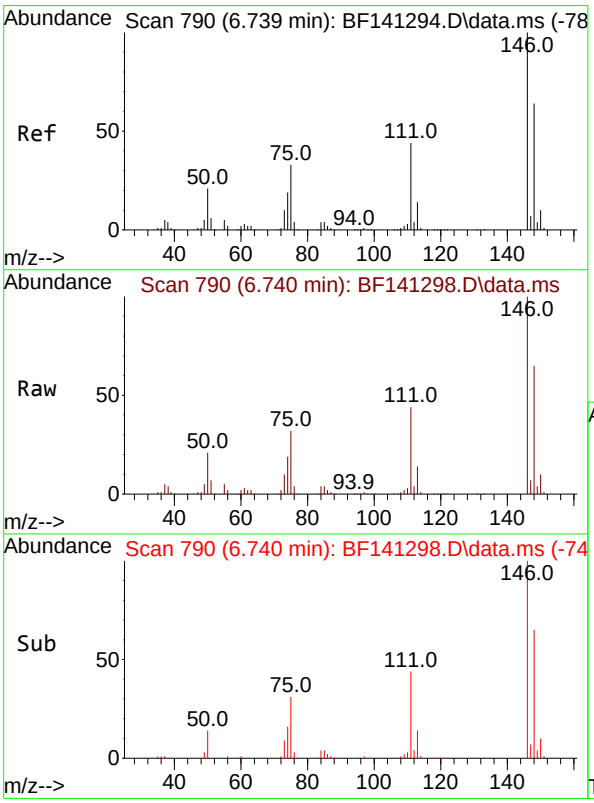
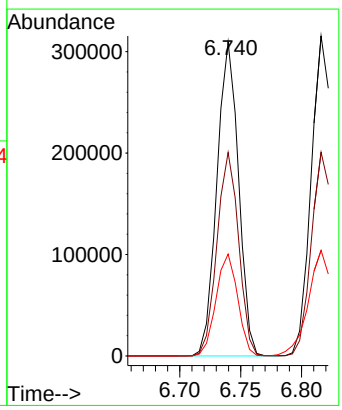
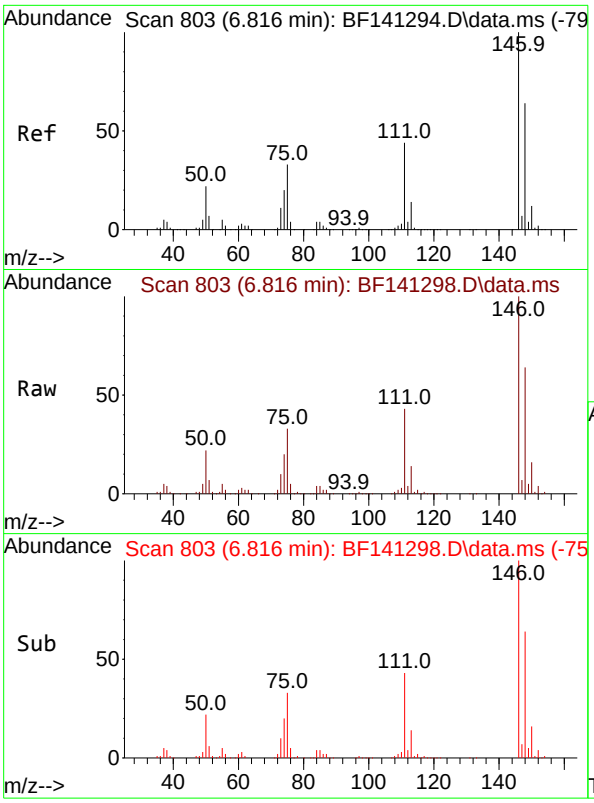


#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

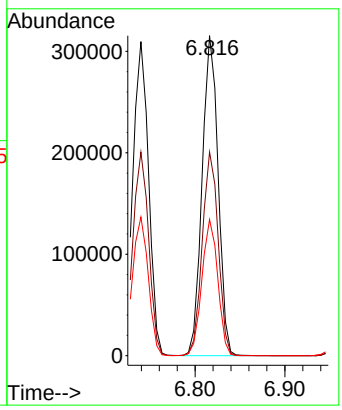




#13
1,4-Dichlorobenzene
Concen: 37.885 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
ICVBF012925

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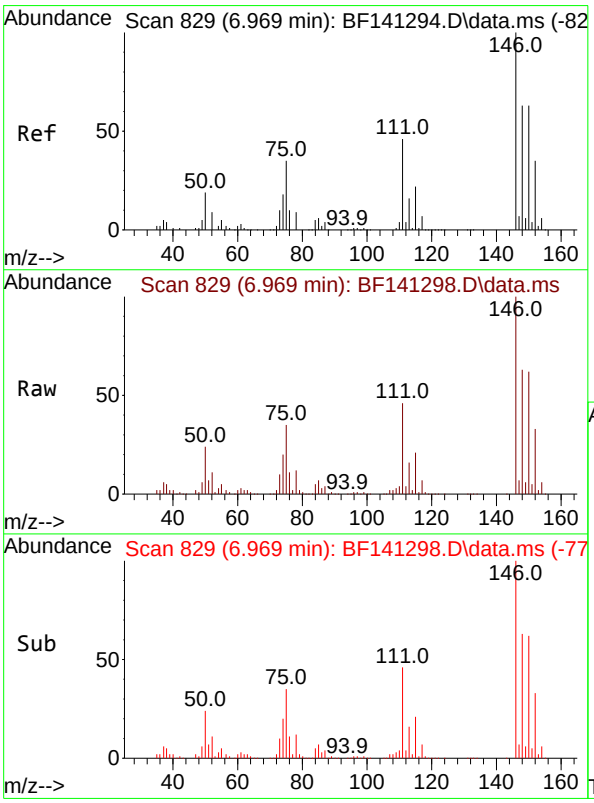
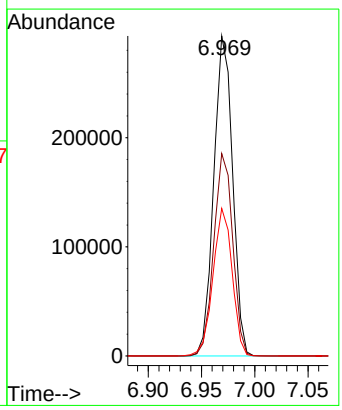
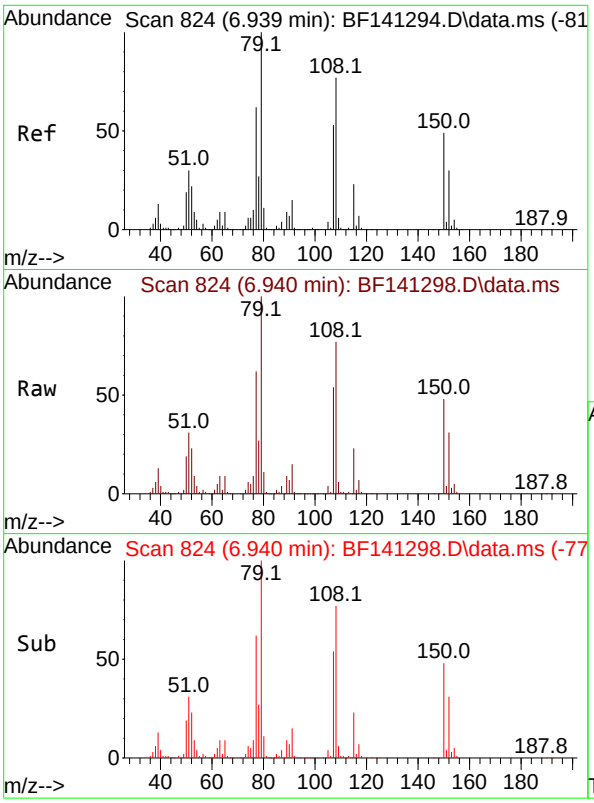


#14
1,2-Dichlorobenzene
Concen: 37.241 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

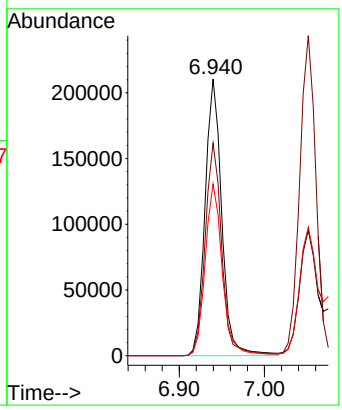




#15
Benzyl Alcohol
Concen: 37.952 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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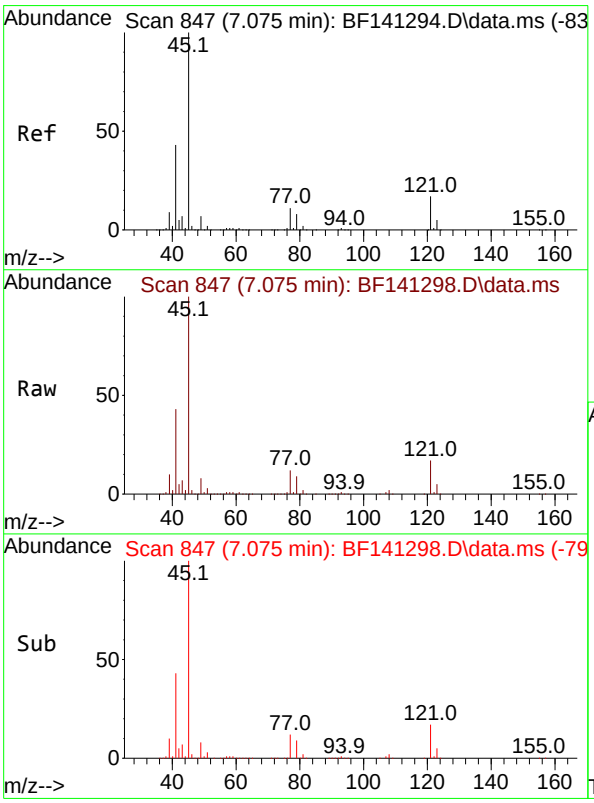
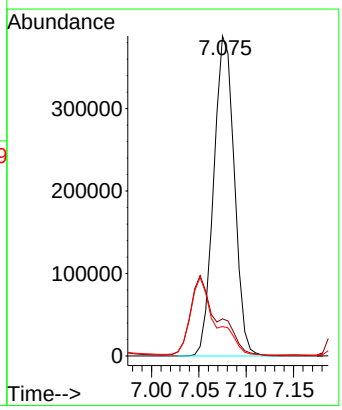
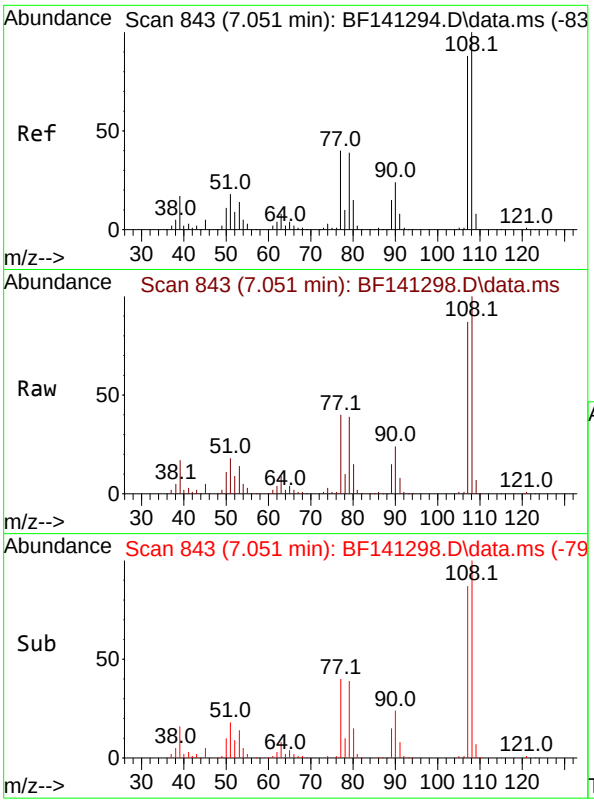


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

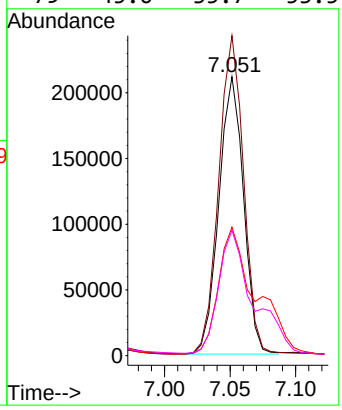




#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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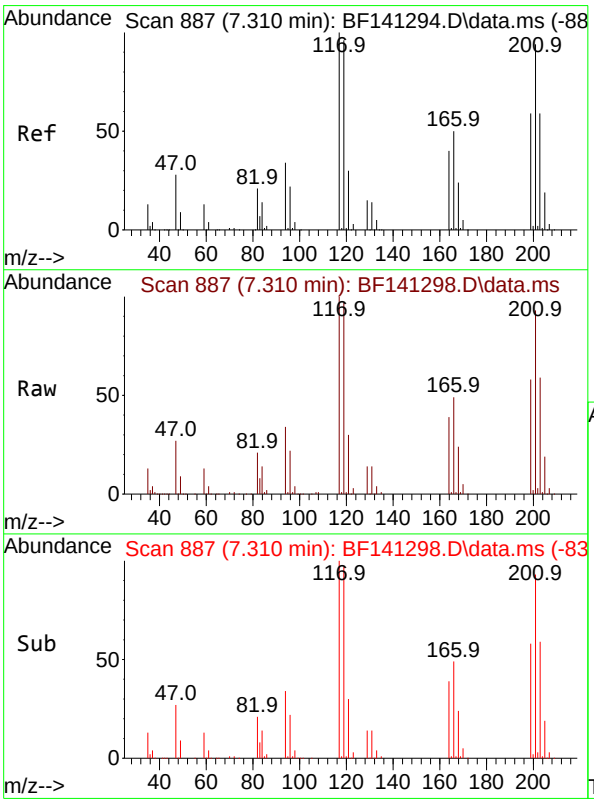
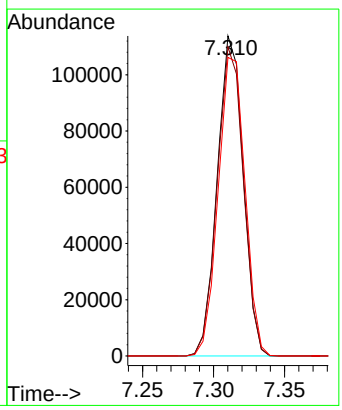
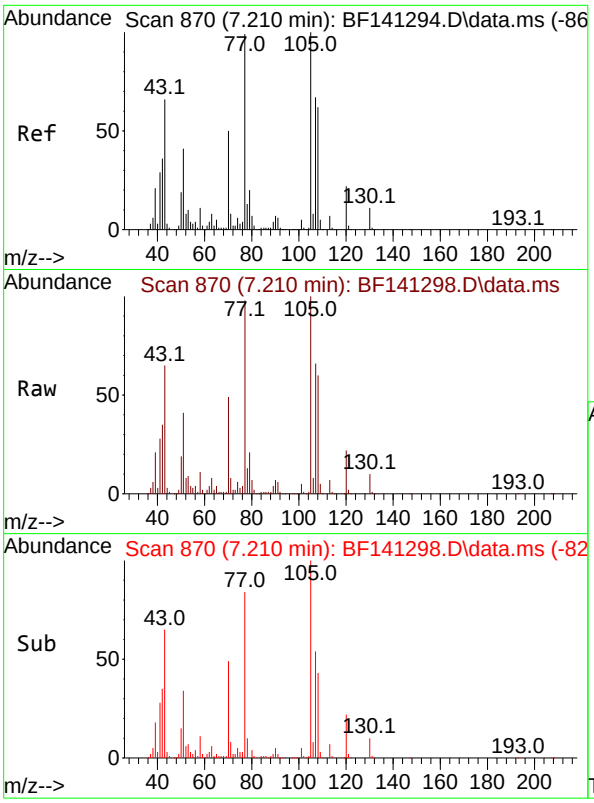


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

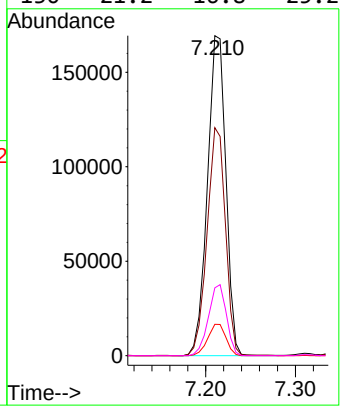




#19
n-Nitroso-di-n-propylamine
Concen: 36.848 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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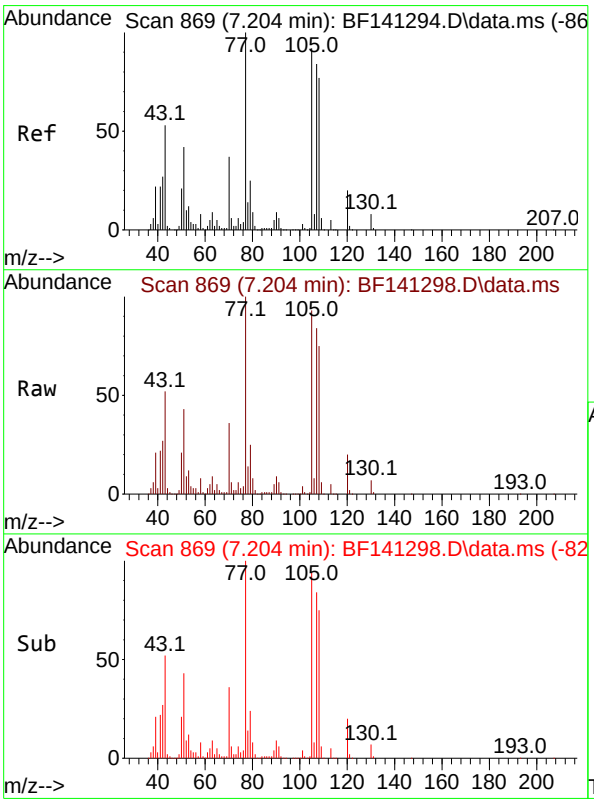
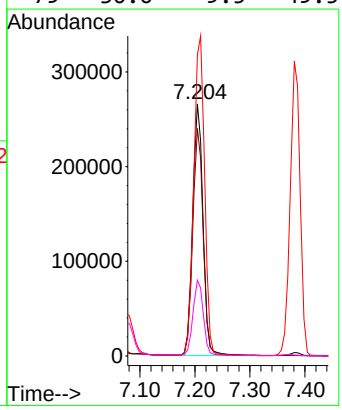
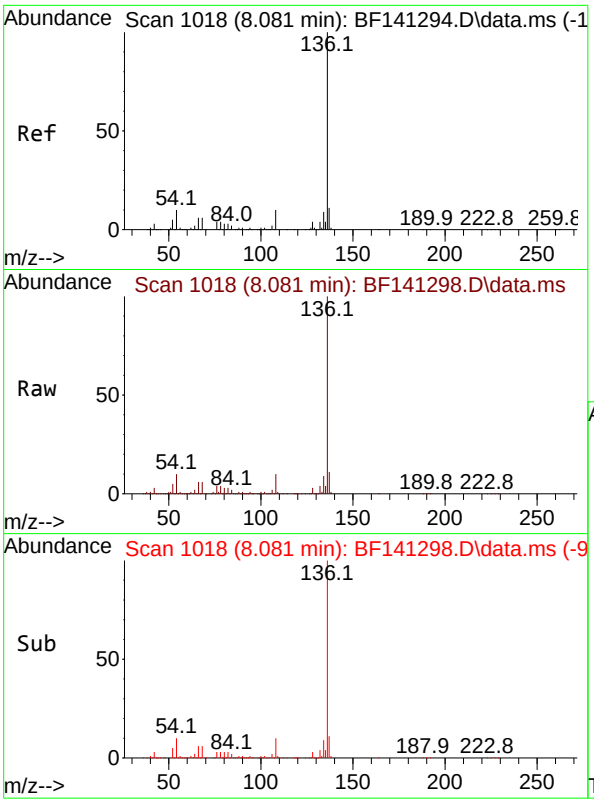


#20
3+4-Methylphenols
Concen: 37.364 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

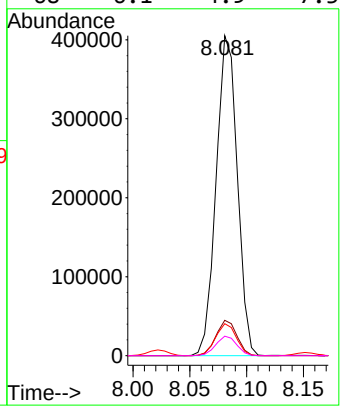




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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



Instrument :
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ClientSampleId :
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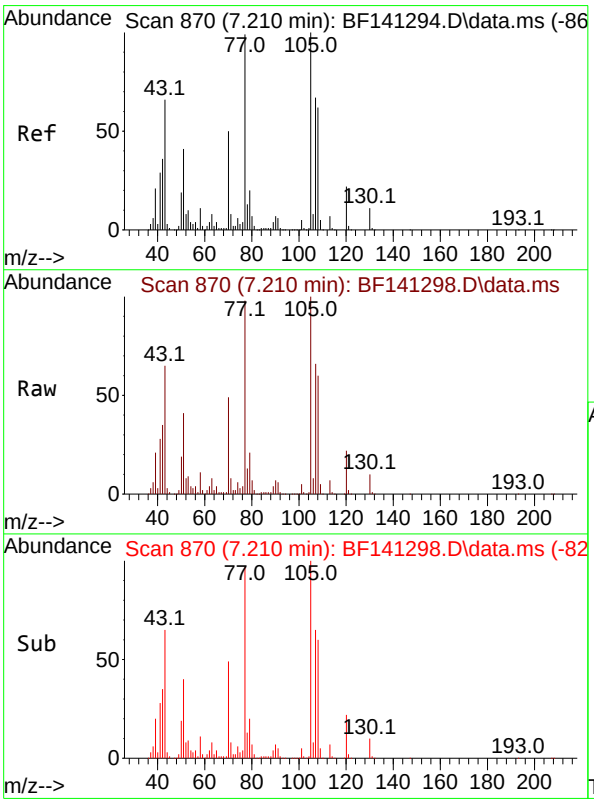
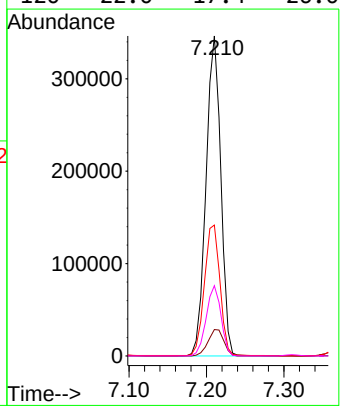
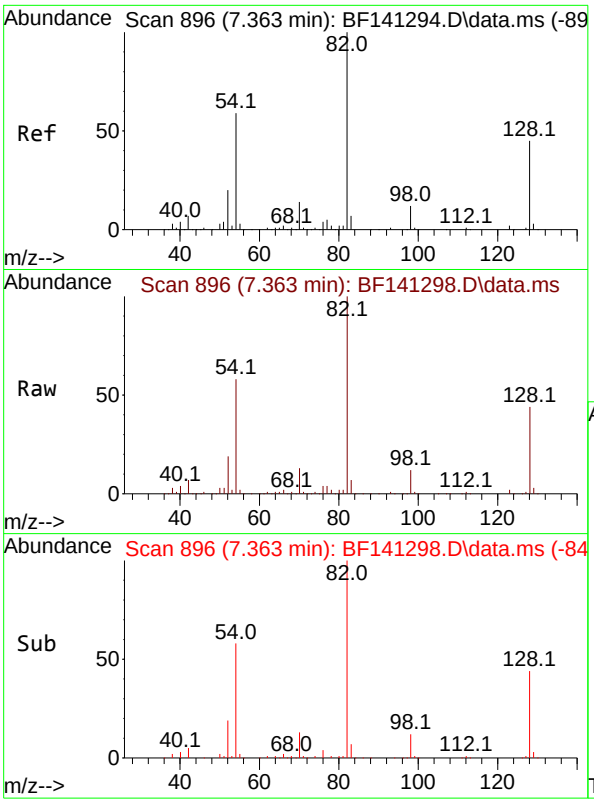


#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

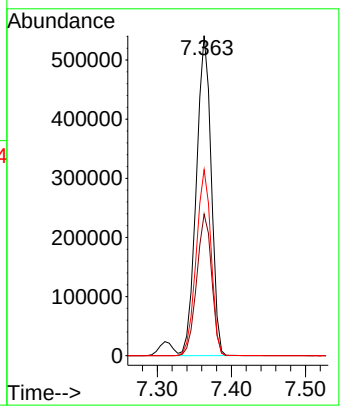




#23
Nitrobenzene-d5
Concen: 75.630 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
ICVBF012925

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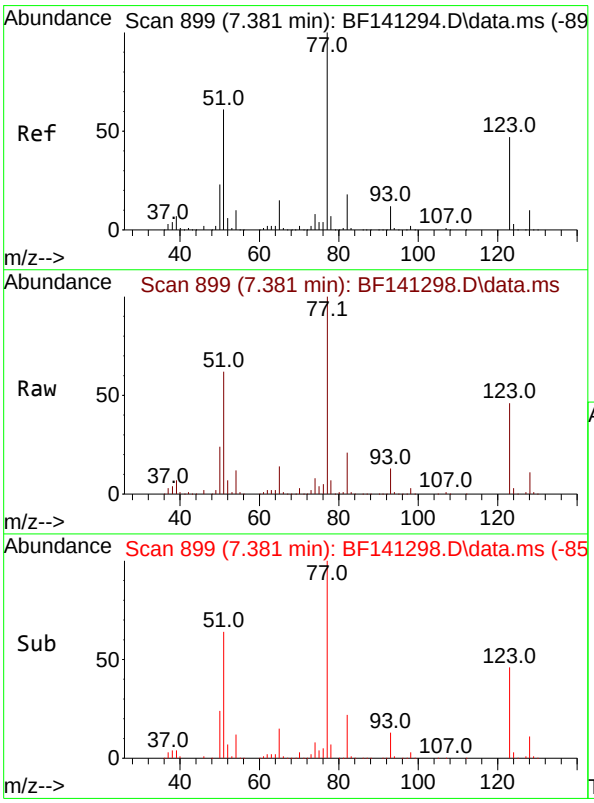
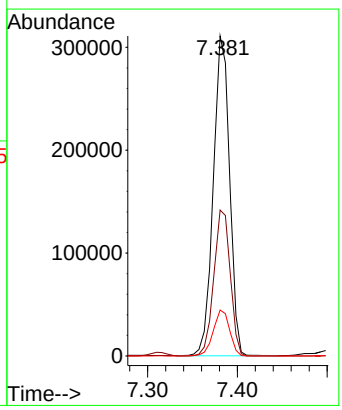
Supervised By :mohammad ahmed 02/04/2025

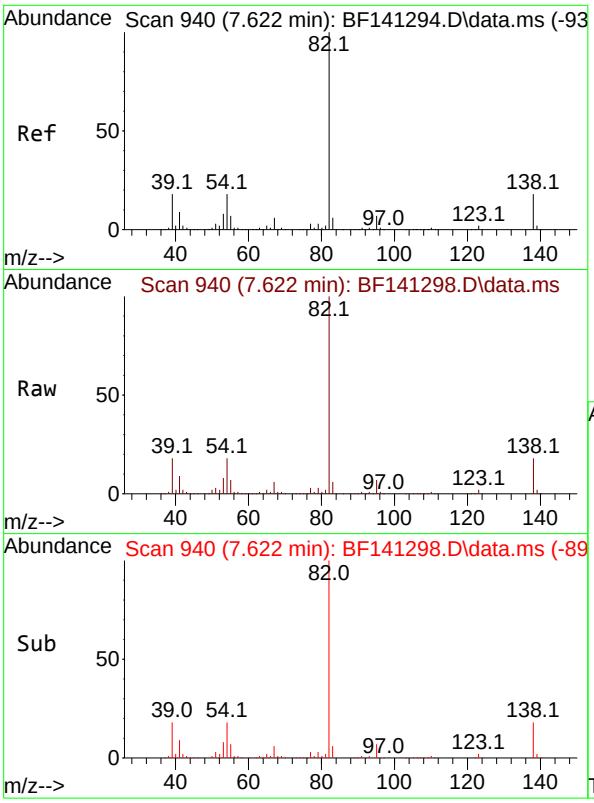


#24
Nitrobenzene
Concen: 37.927 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

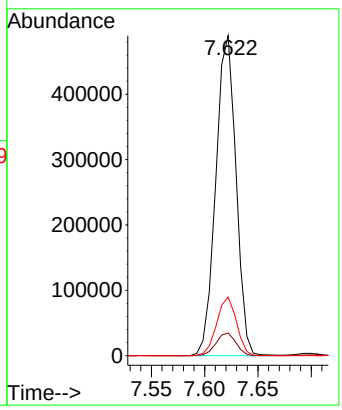




#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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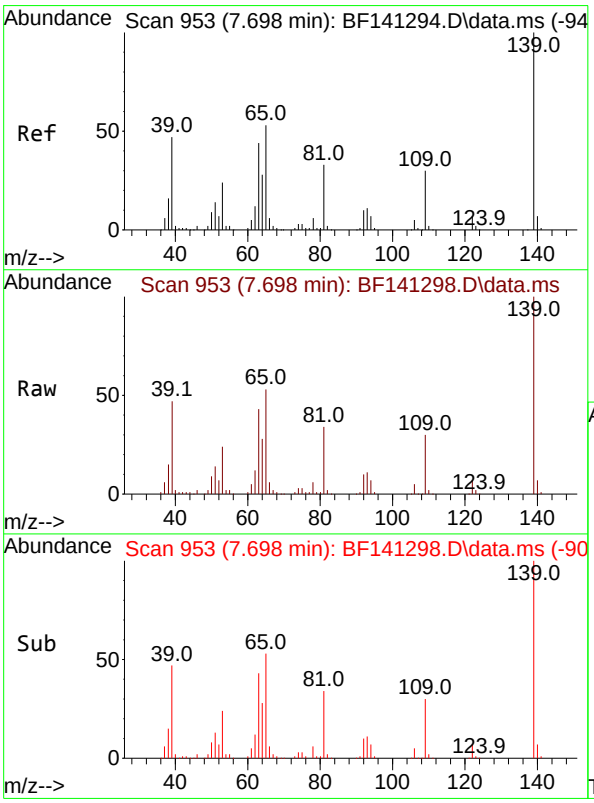
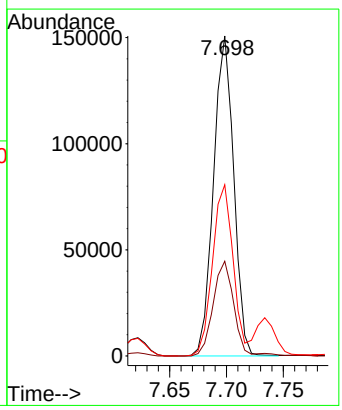
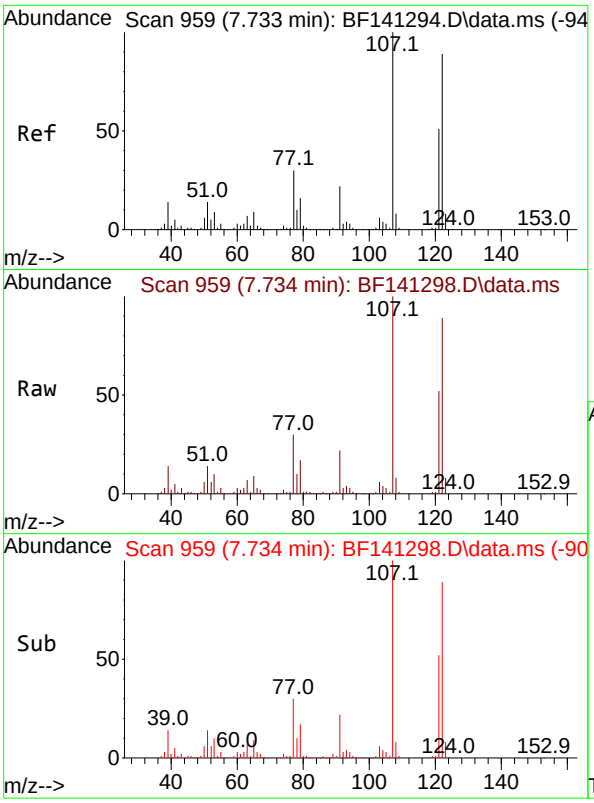


#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

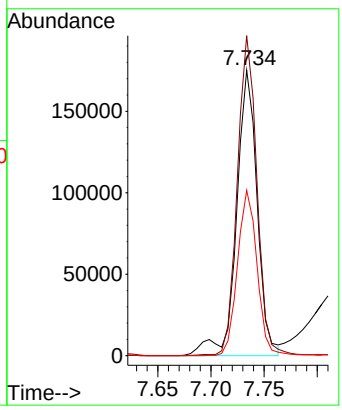




#27
2,4-Dimethylphenol
Concen: 38.055 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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ClientSampleId :
ICVBF012925

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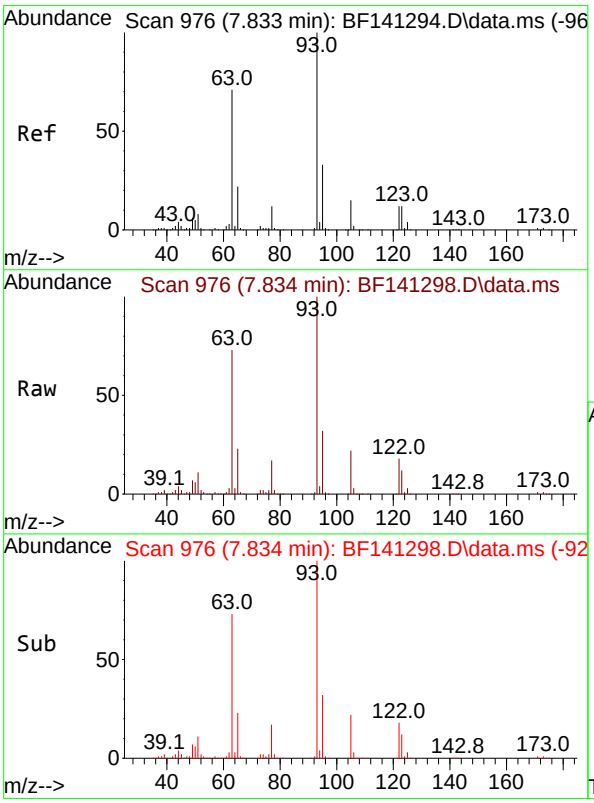
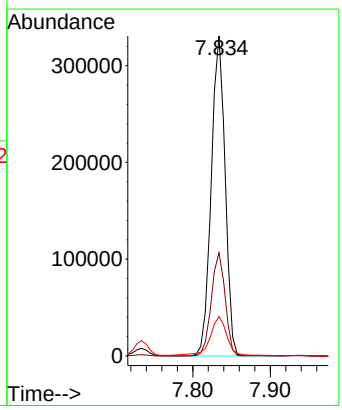
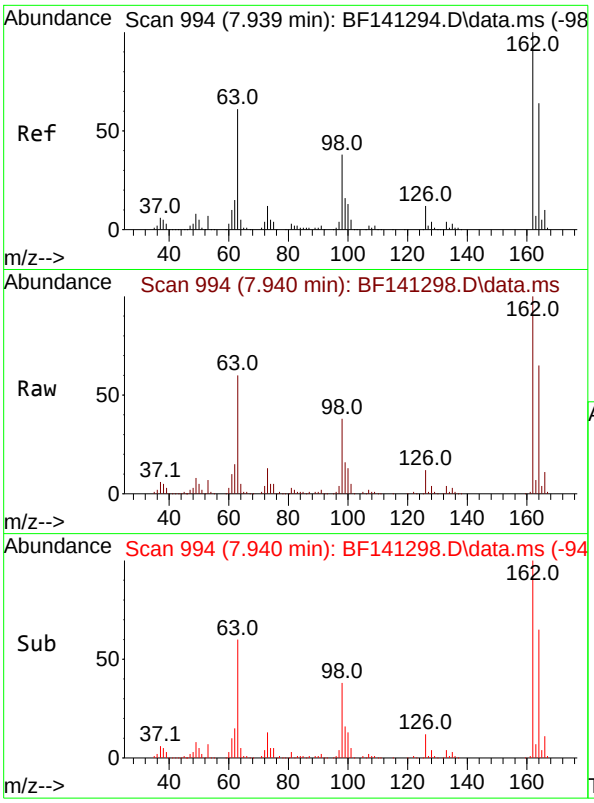


#28
bis(2-Chloroethoxy)methane
Concen: 37.460 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

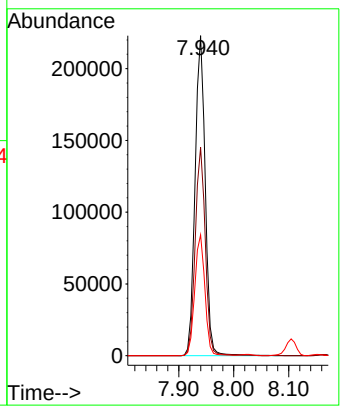




#29
2,4-Dichlorophenol
Concen: 37.675 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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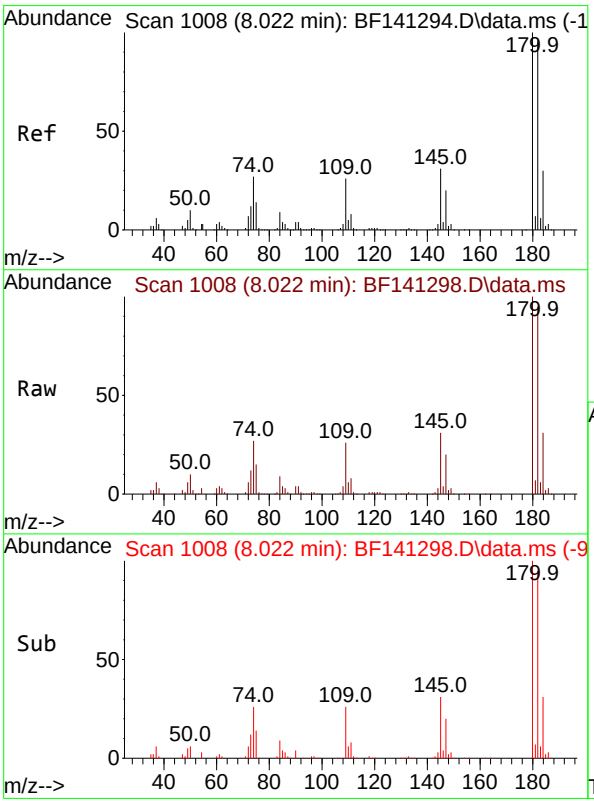
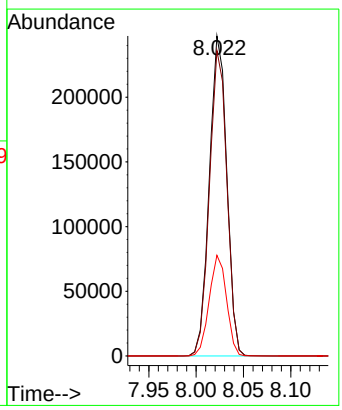
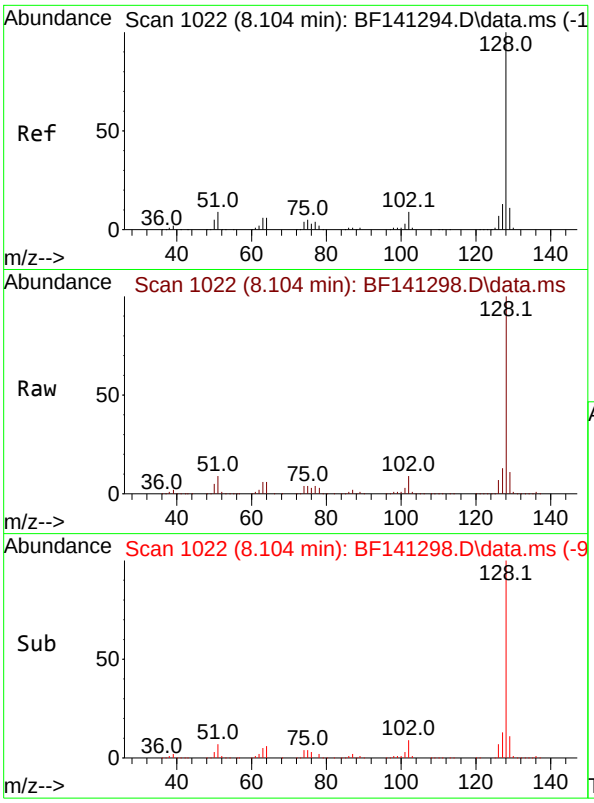


#30
1,2,4-Trichlorobenzene
Concen: 36.488 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

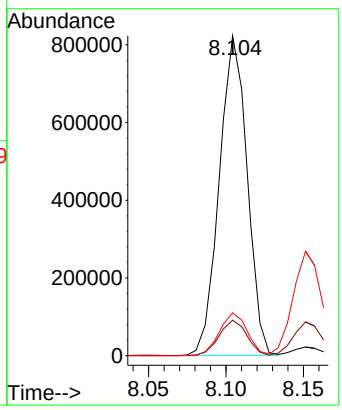




#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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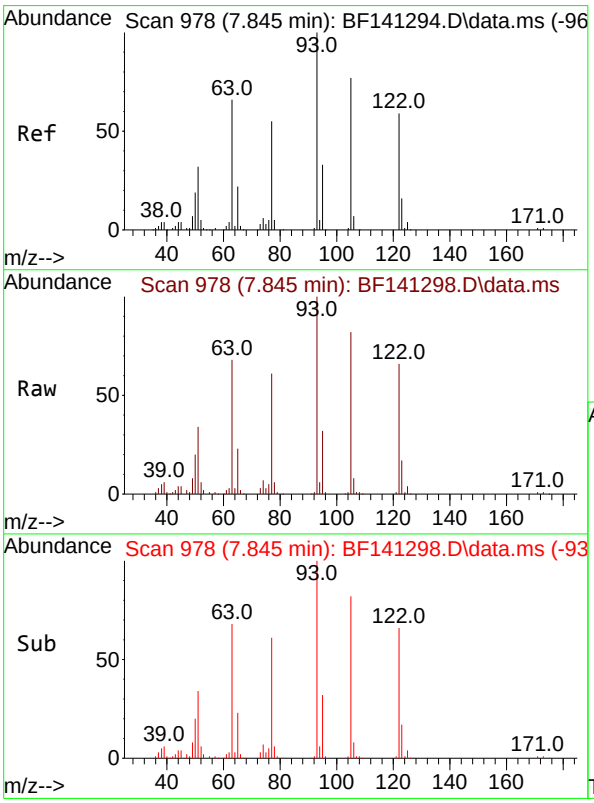
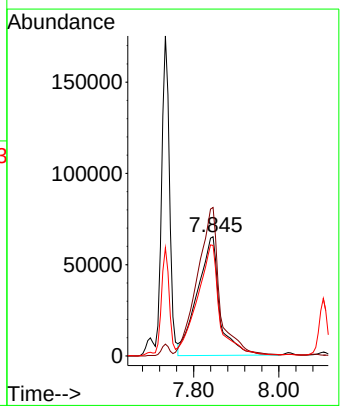
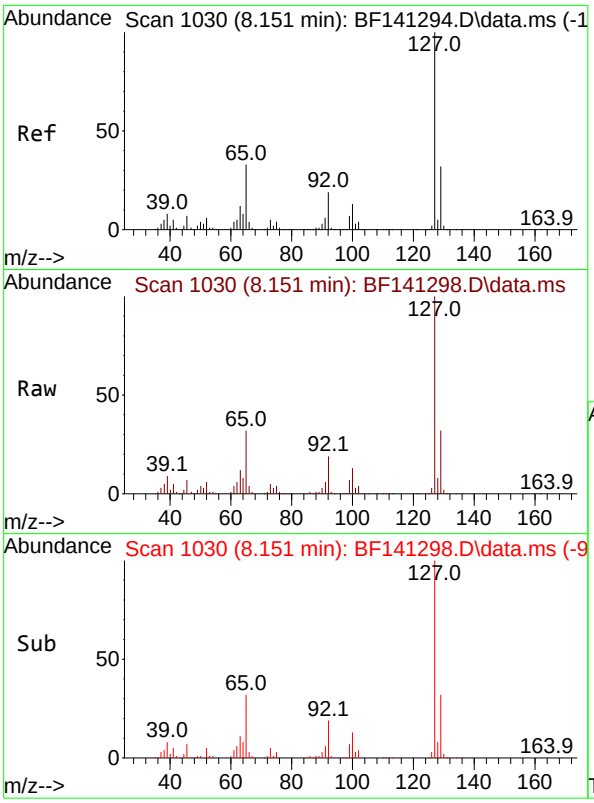


#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

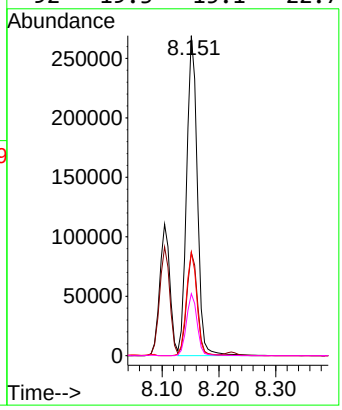




#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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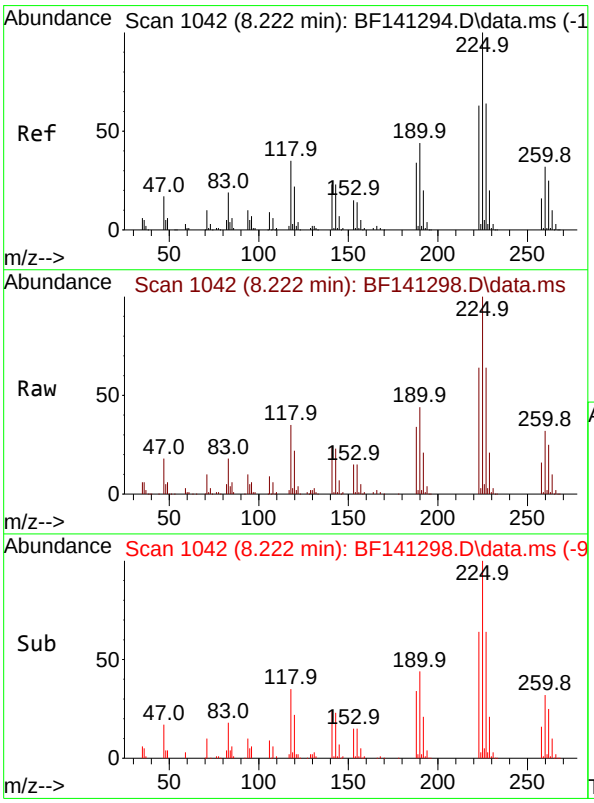
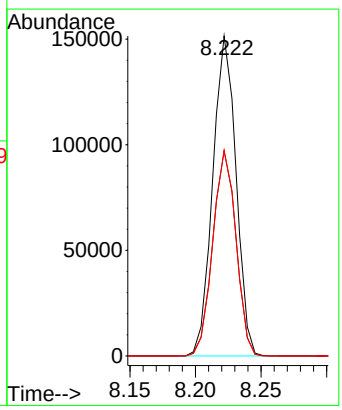
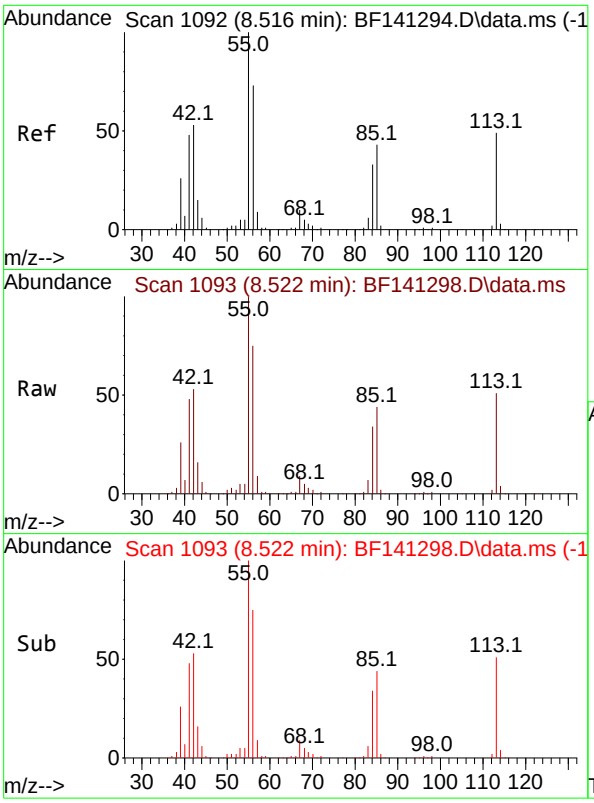


#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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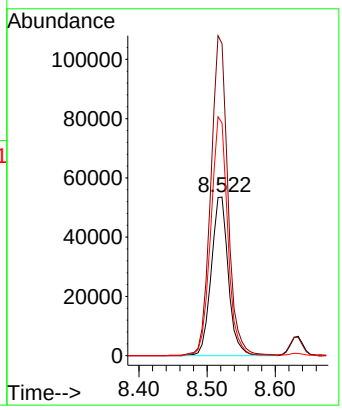
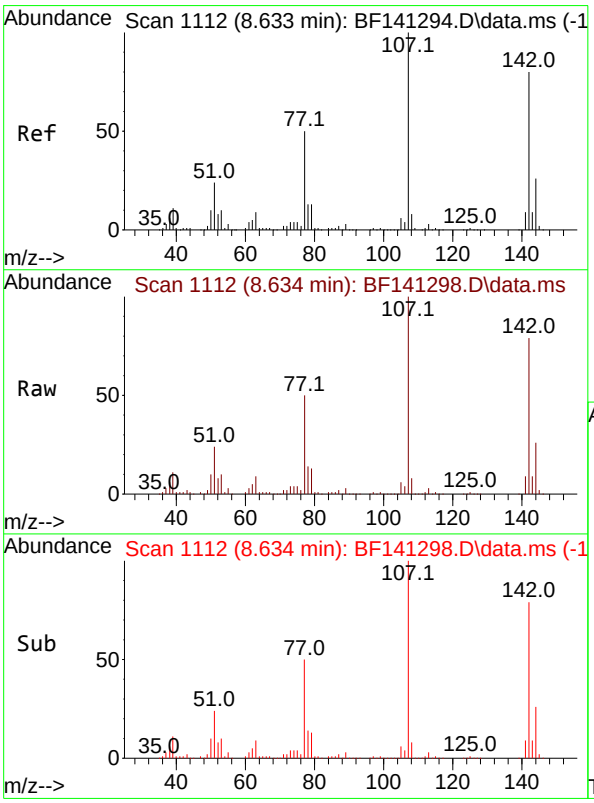
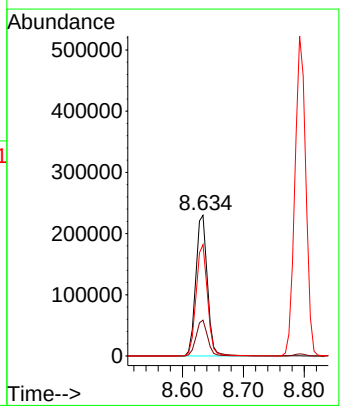


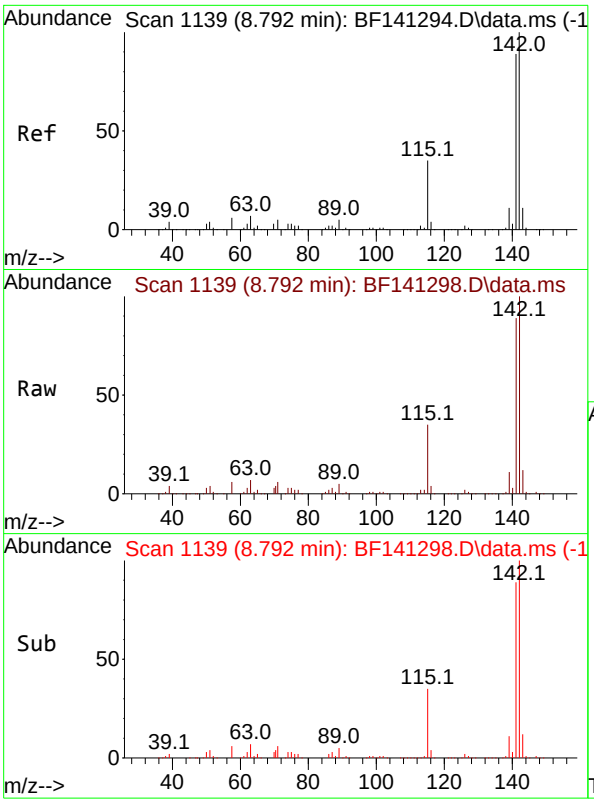


#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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# 11
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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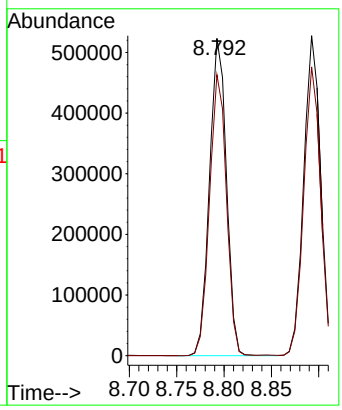
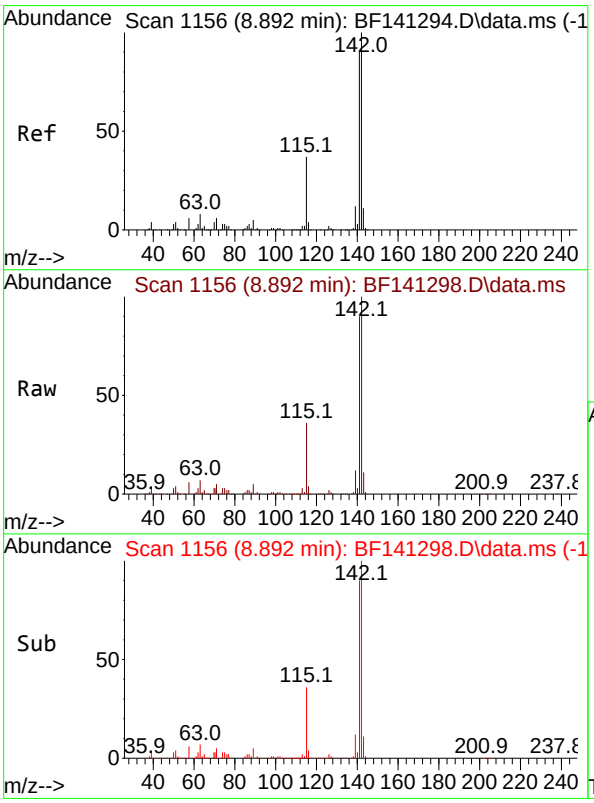
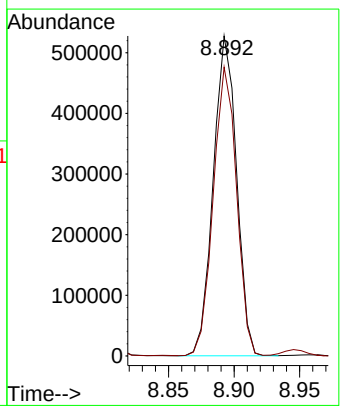


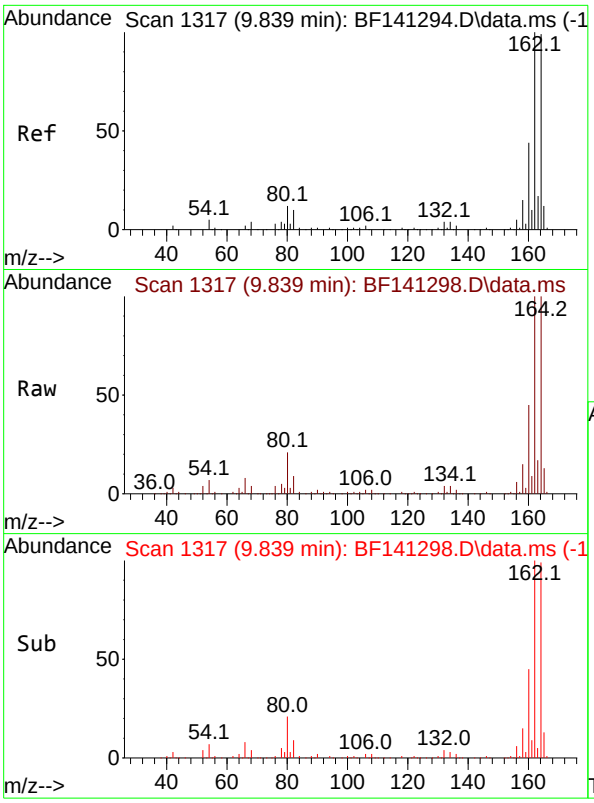


#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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

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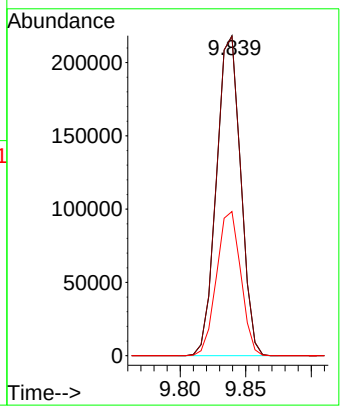
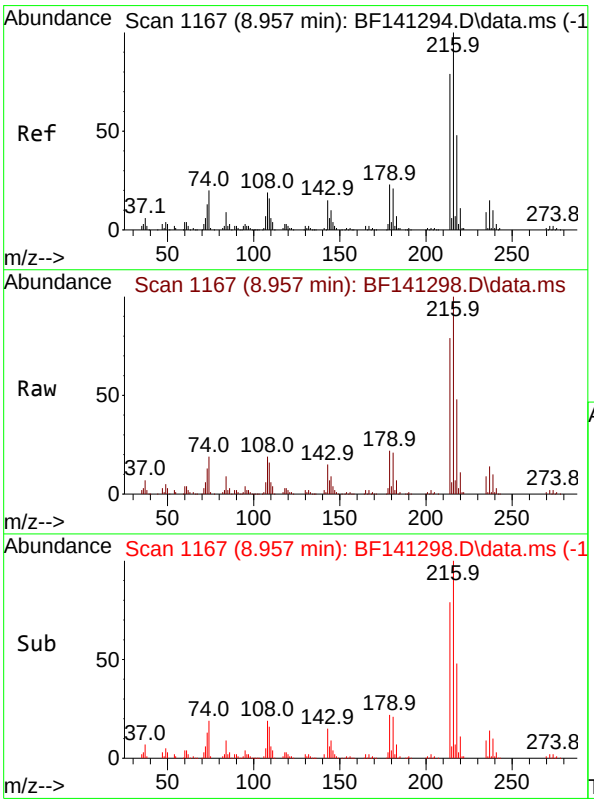
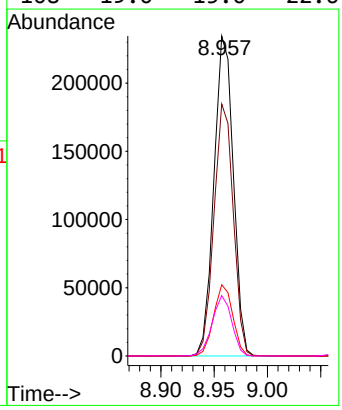


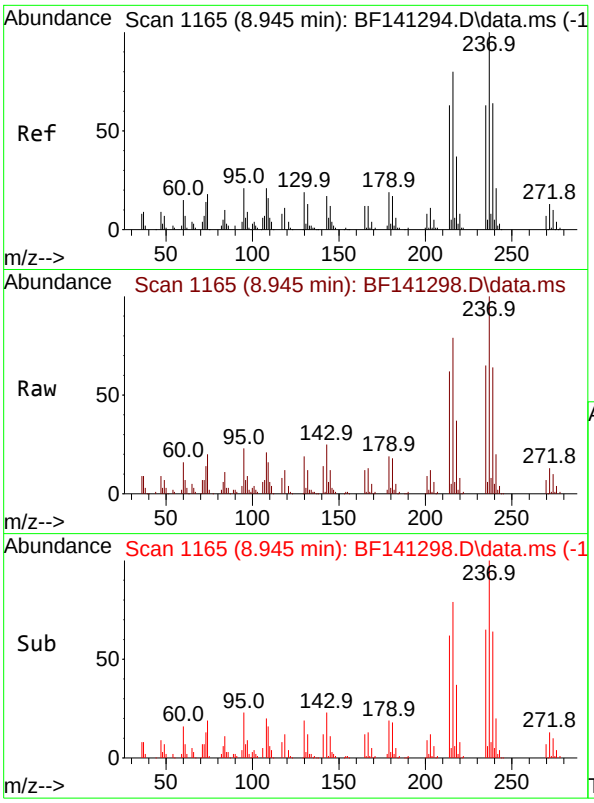


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.226 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
ICVBF012925

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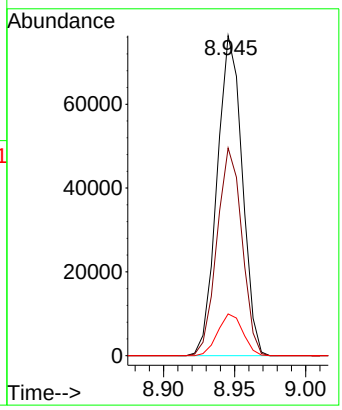
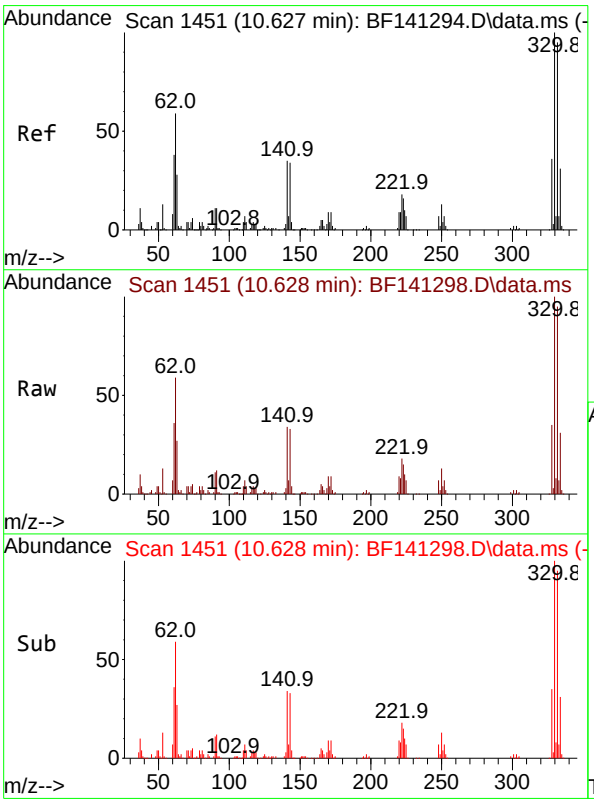
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

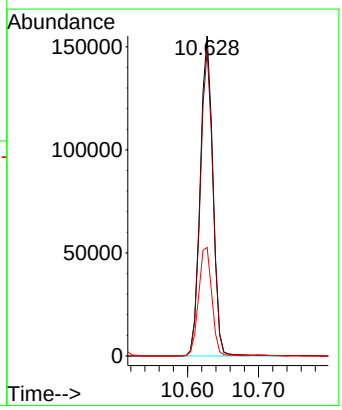


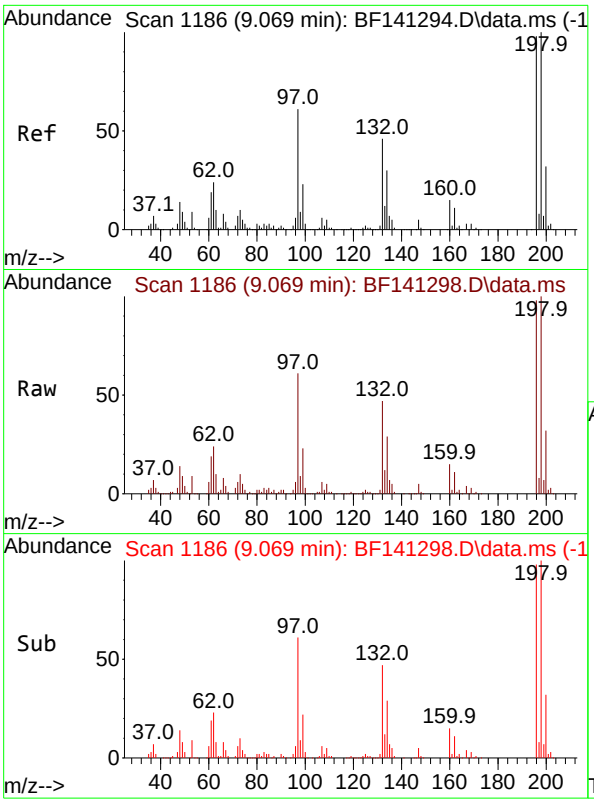


#42
2,4,6-Tribromophenol
Concen: 75.161 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

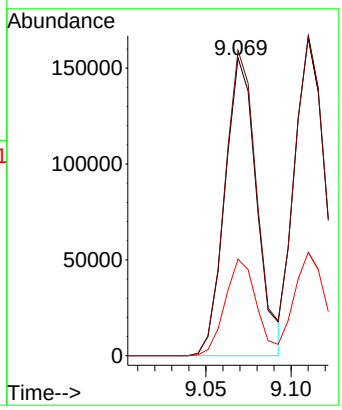




#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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ClientSampleId :
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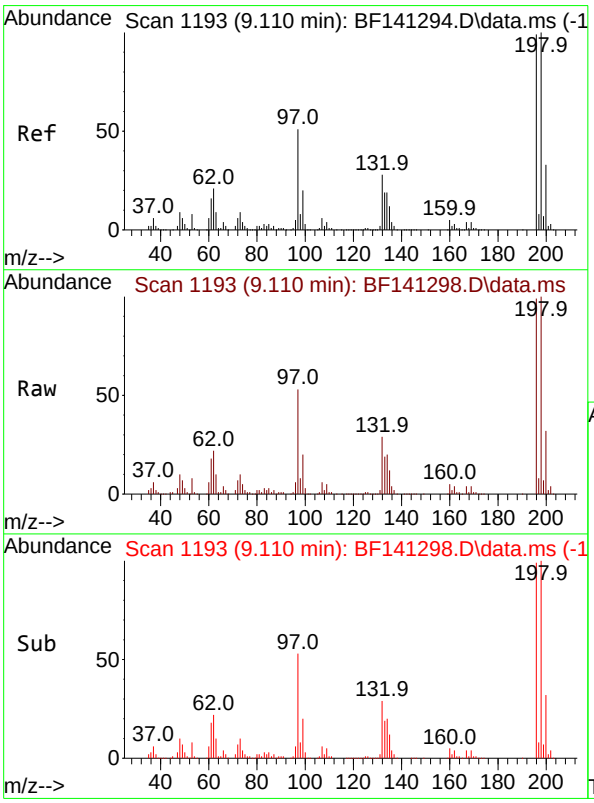
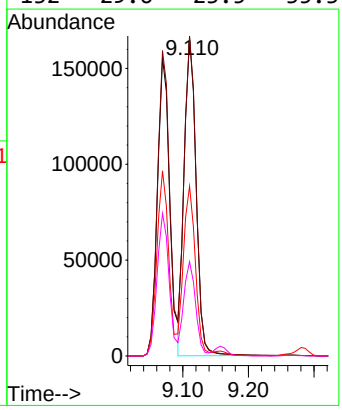
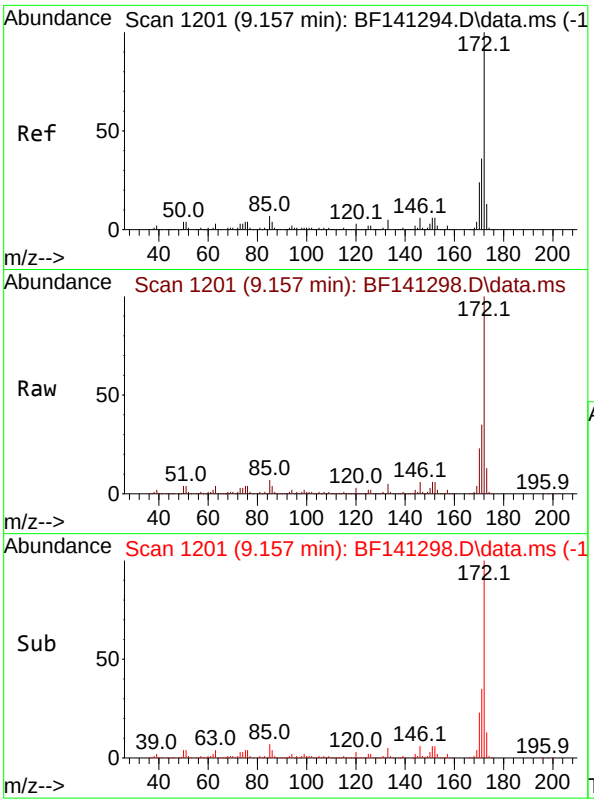


#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

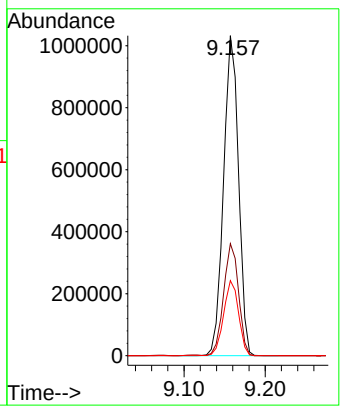




#45
2-Fluorobiphenyl
Concen: 72.938 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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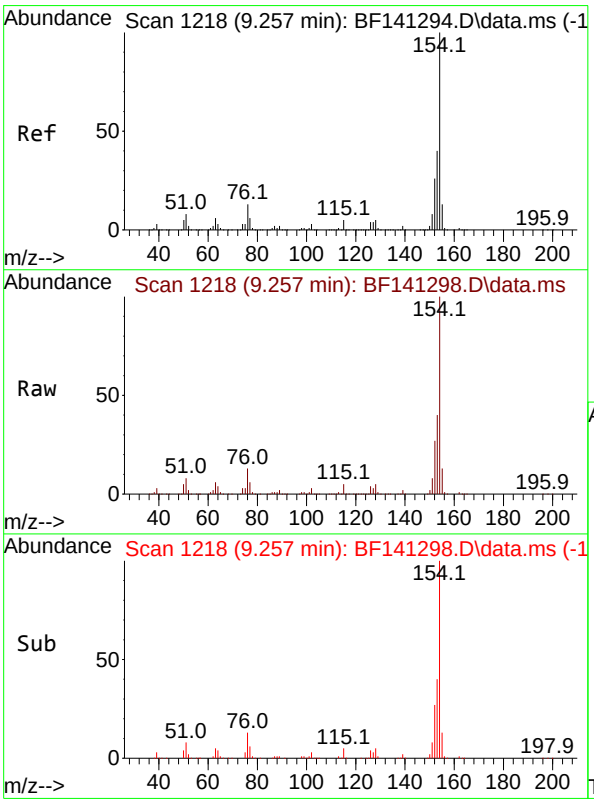
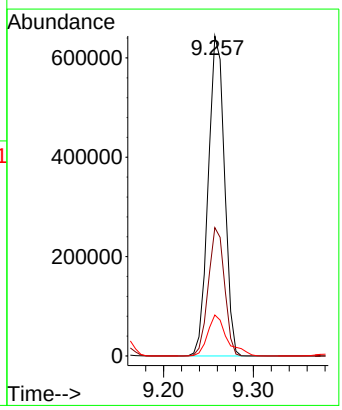
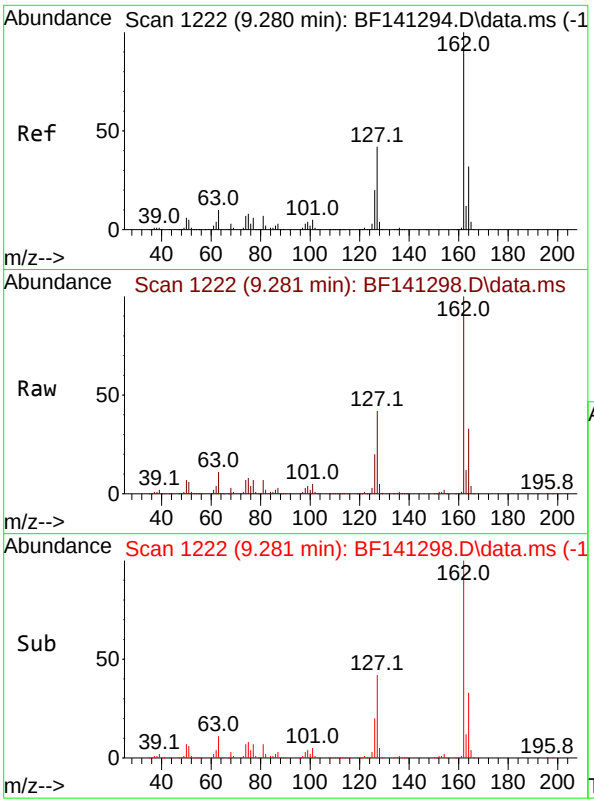


#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

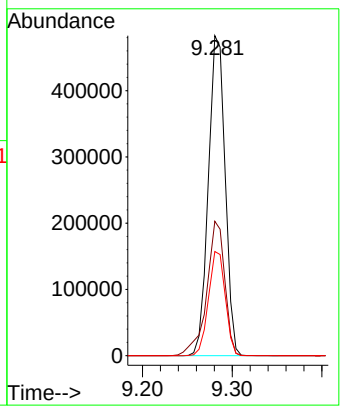




#47
2-Chloronaphthalene
Concen: 36.837 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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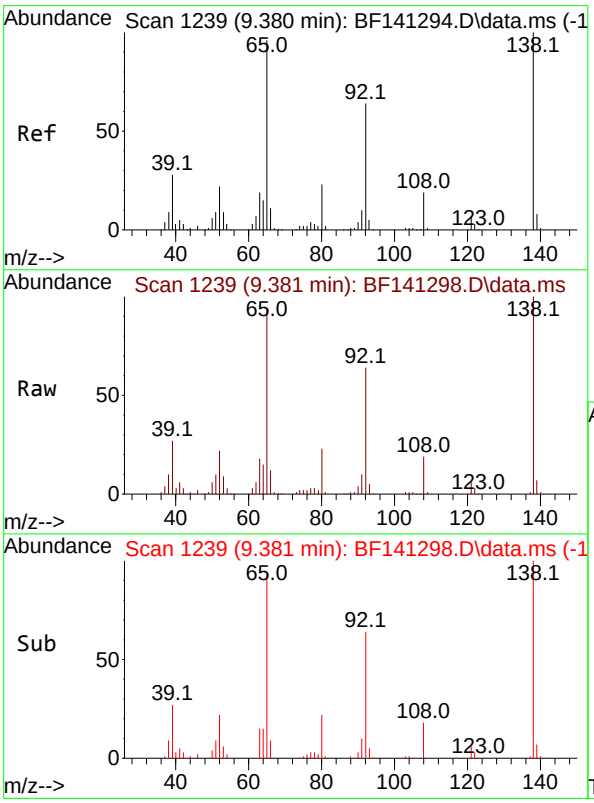
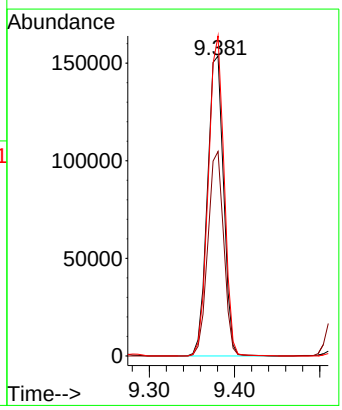
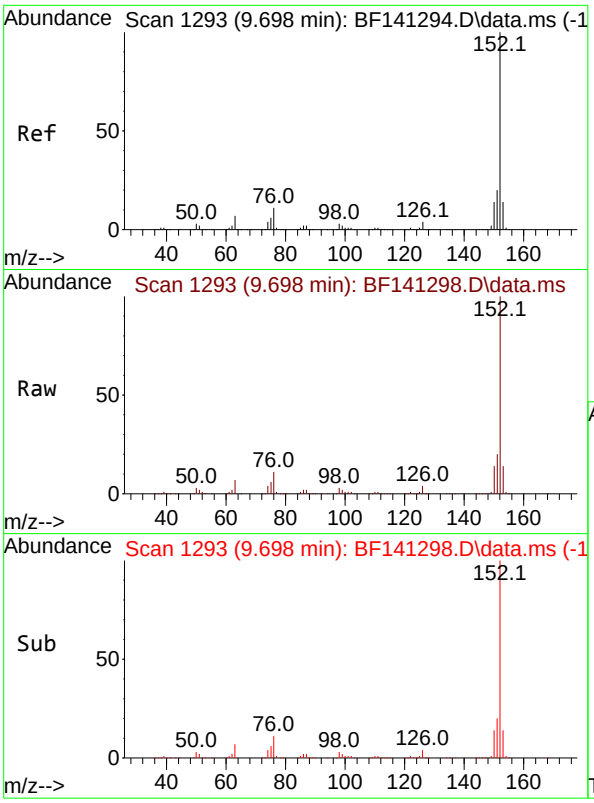


#48
2-Nitroaniline
Concen: 37.970 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

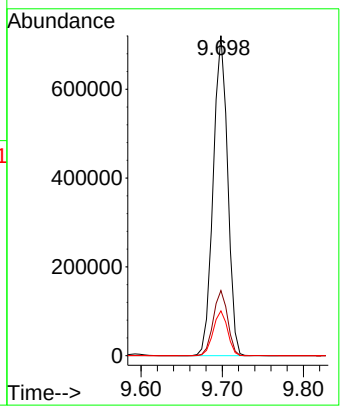




#49
Acenaphthylene
Concen: 37.416 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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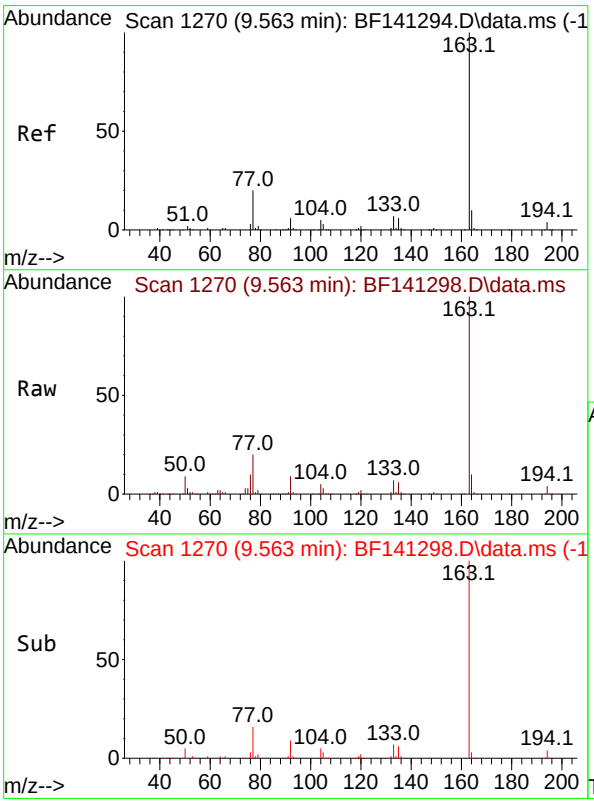
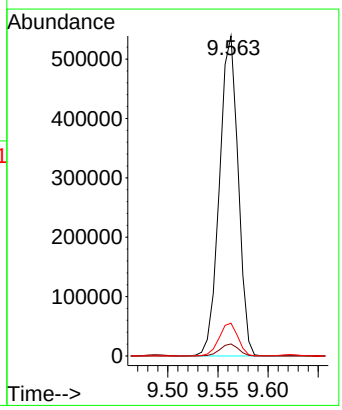
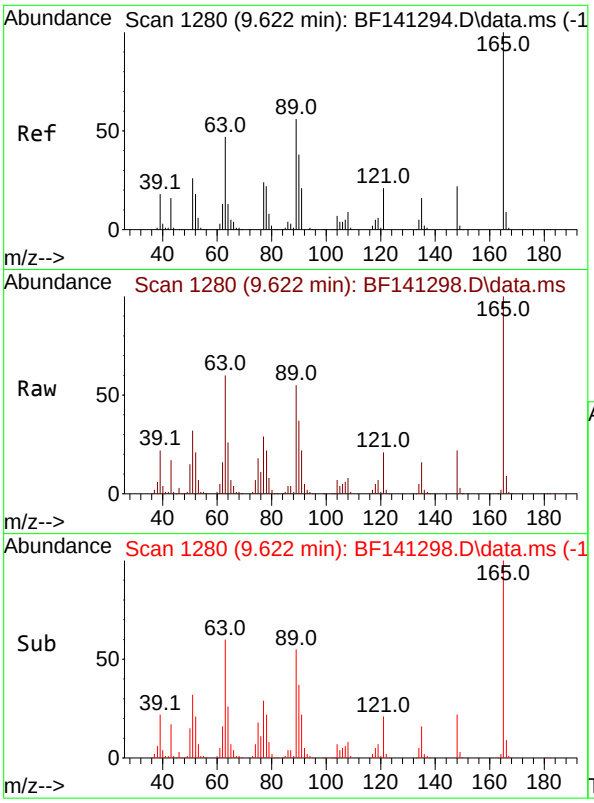


#50
Dimethylphthalate
Concen: 36.904 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

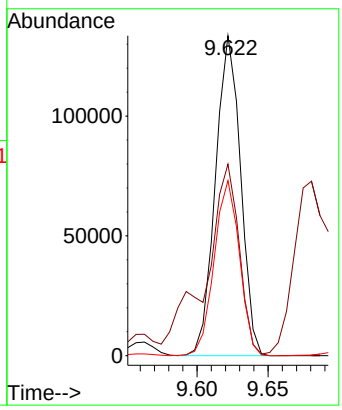




#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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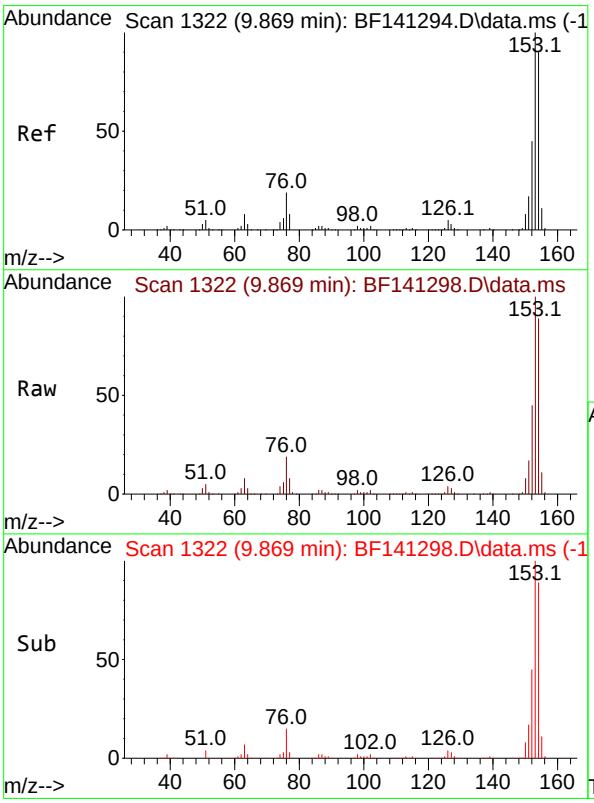
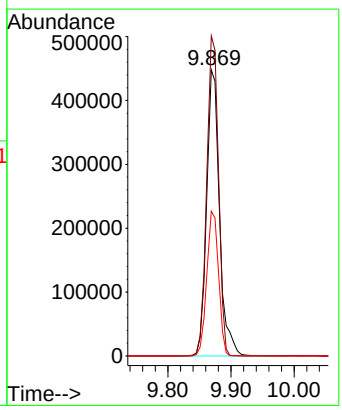
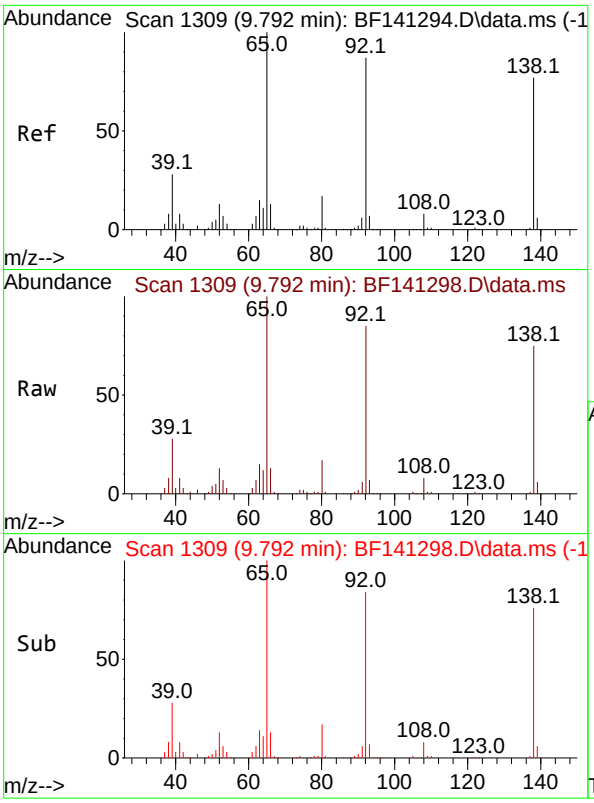


#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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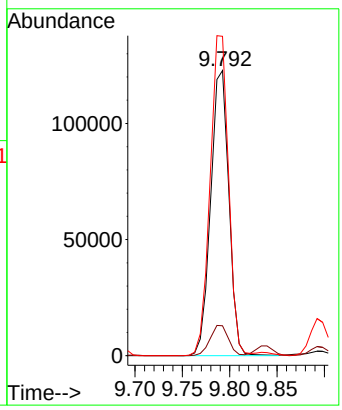
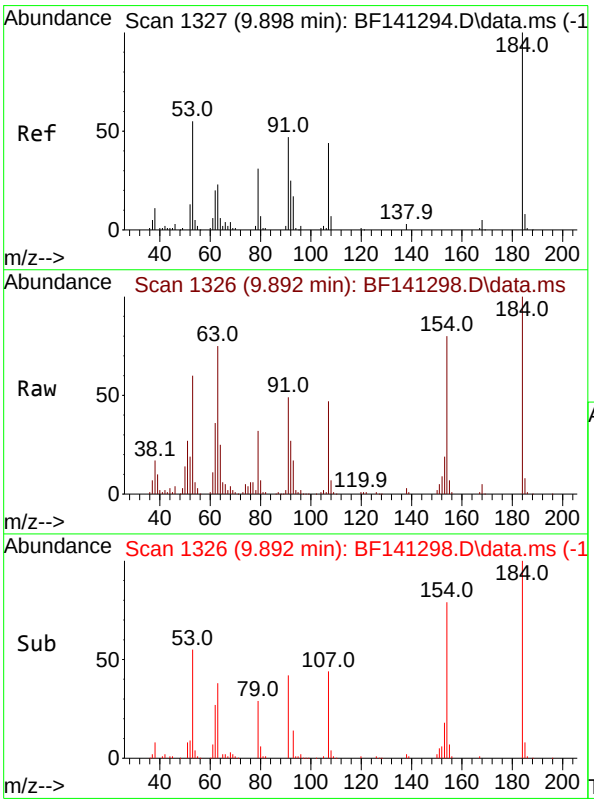
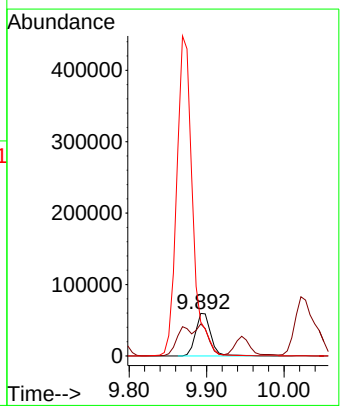


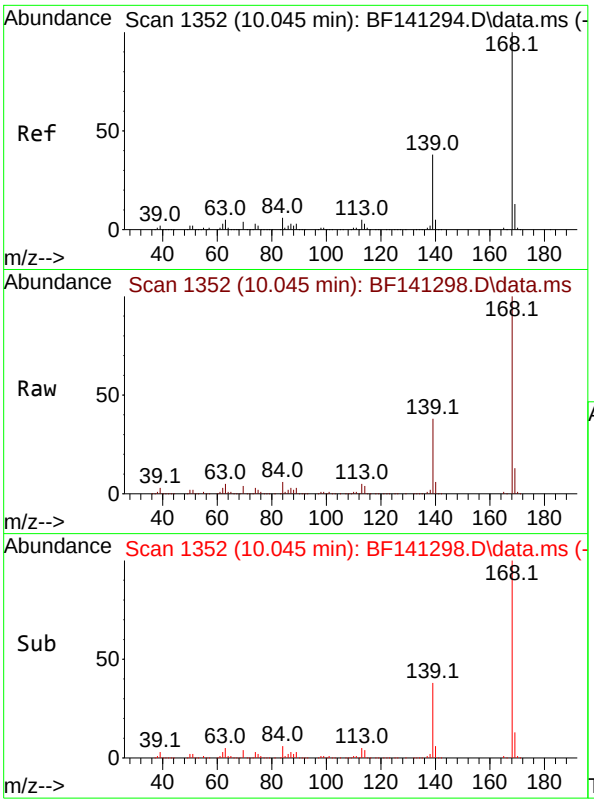


#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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#

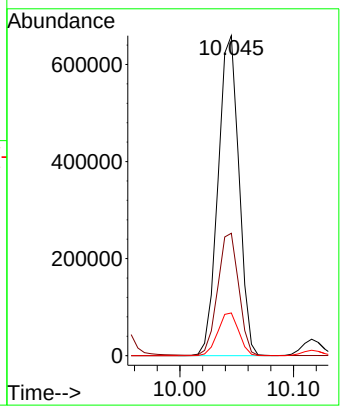




#55
Dibenzofuran
Concen: 37.012 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
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ClientSampleId :
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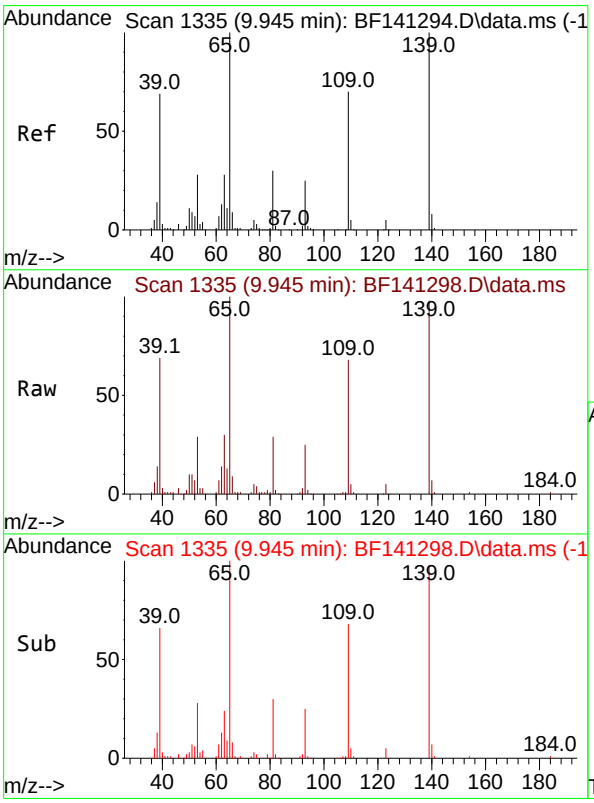
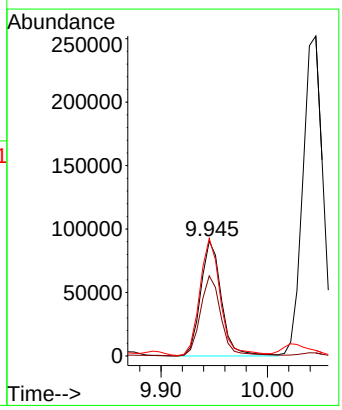
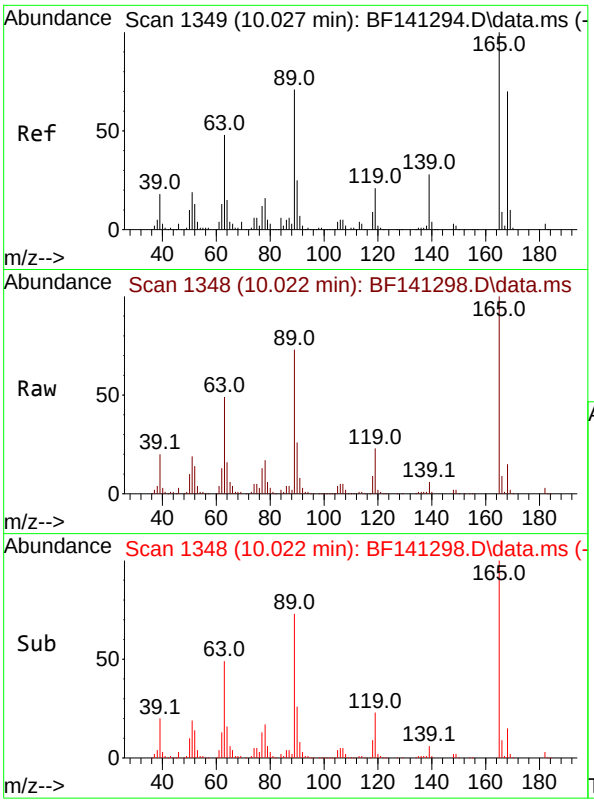


#56
4-Nitrophenol
Concen: 39.089 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

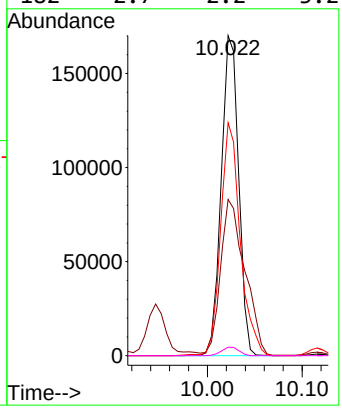




#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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ClientSampleId :
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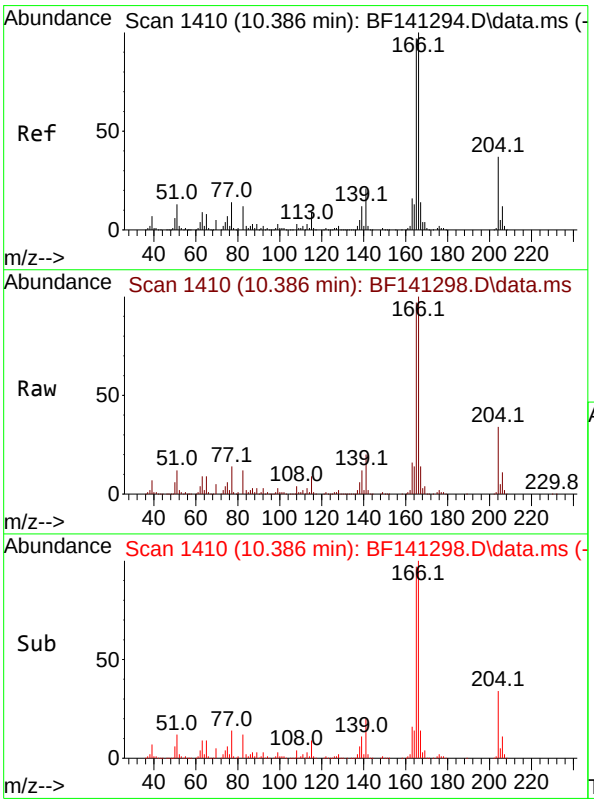
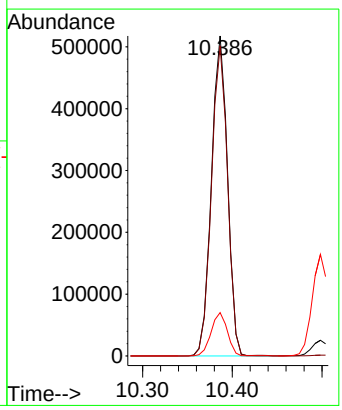
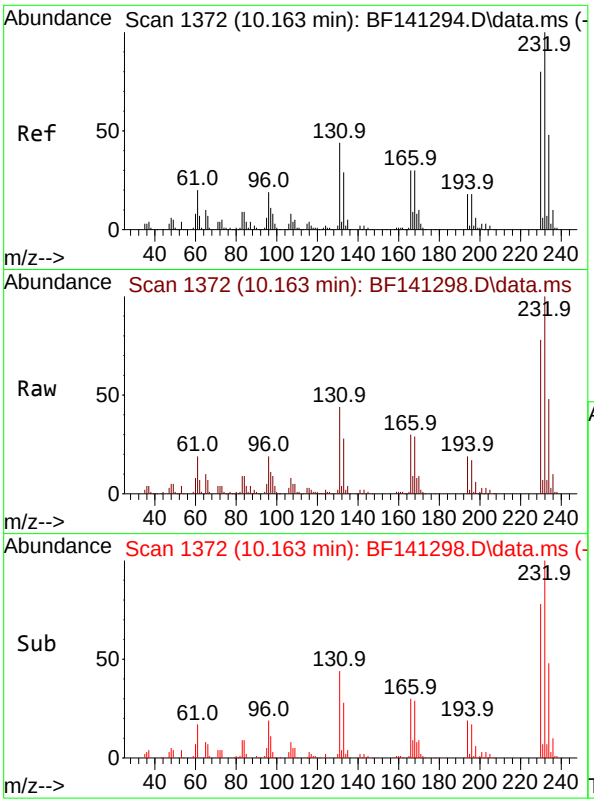


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

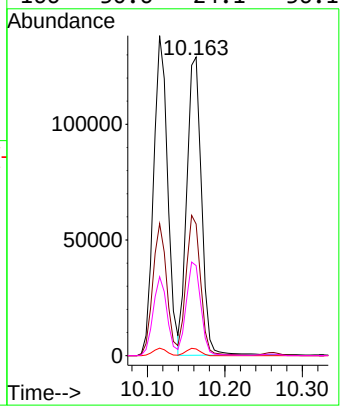




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
BNA_F
ClientSampleId :
ICVBF012925

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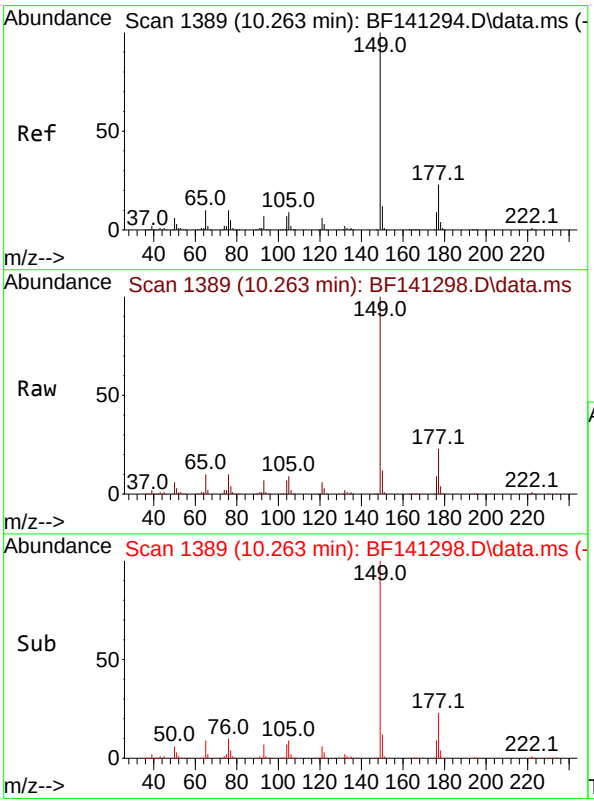
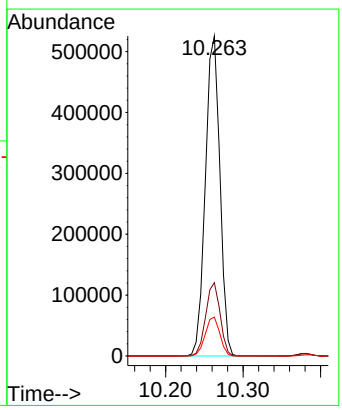
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

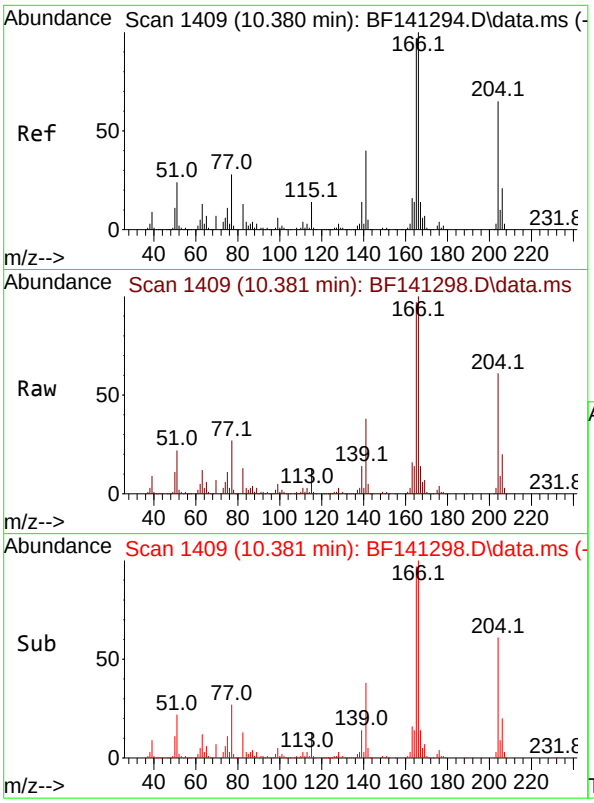


#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
ICVBF012925

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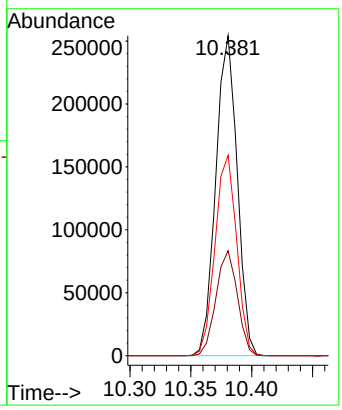
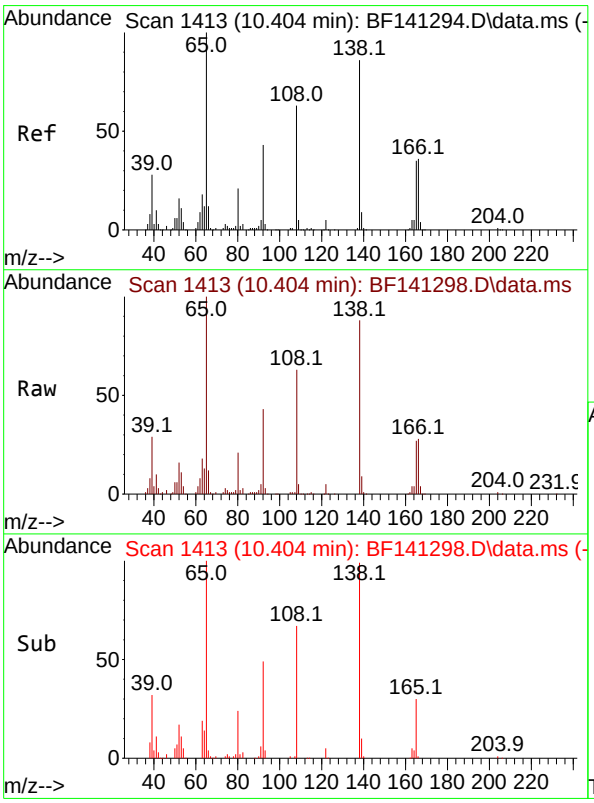
Supervised By :mohammad ahmed 02/04/2025

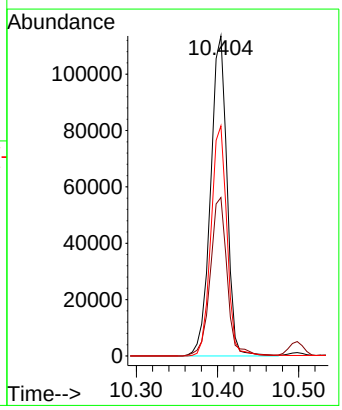


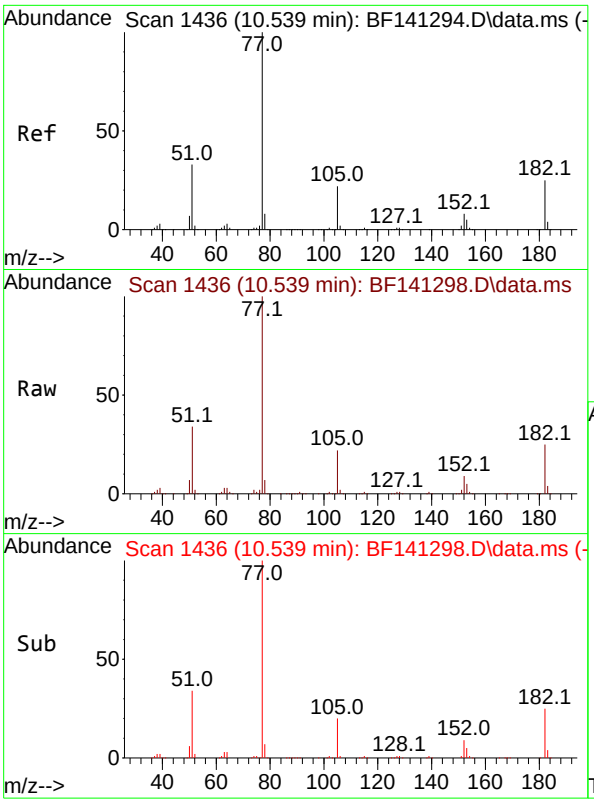


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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

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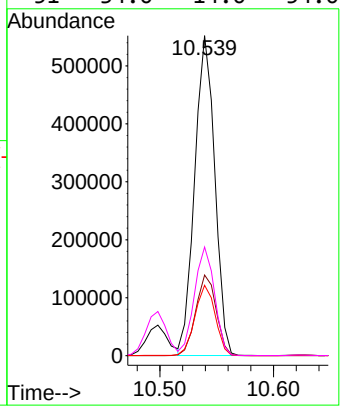
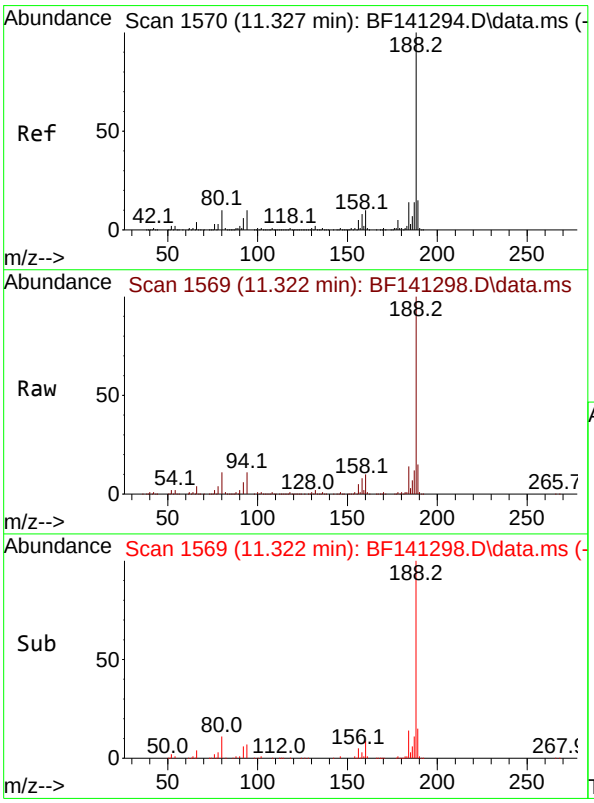
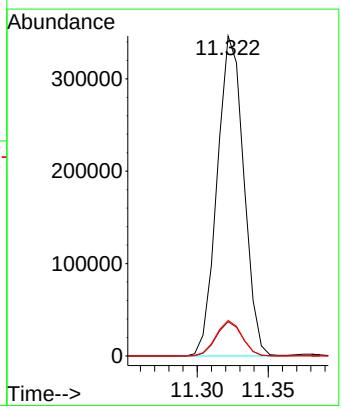


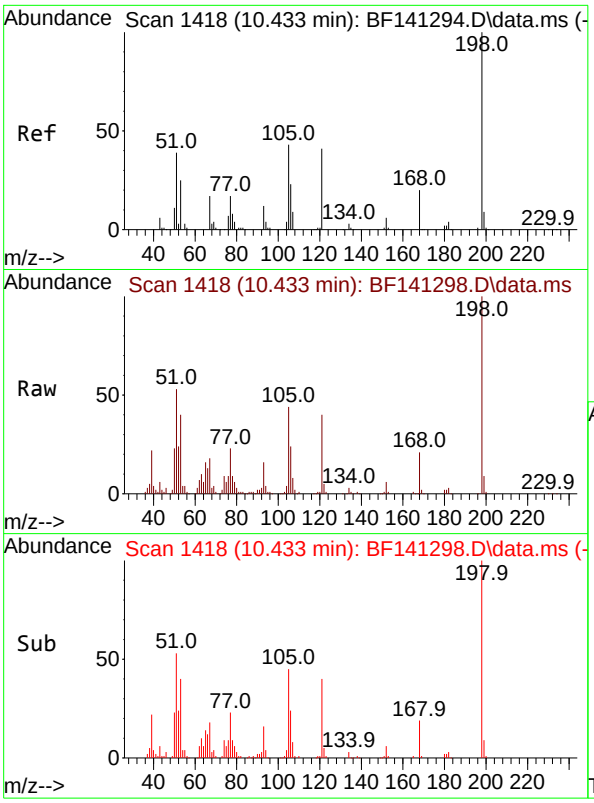


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
ICVBF012925

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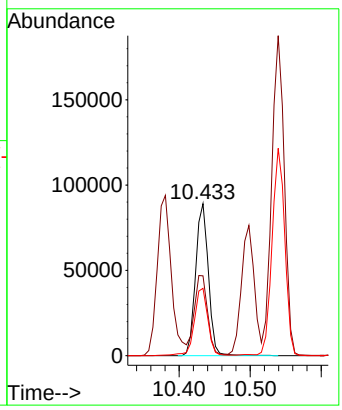
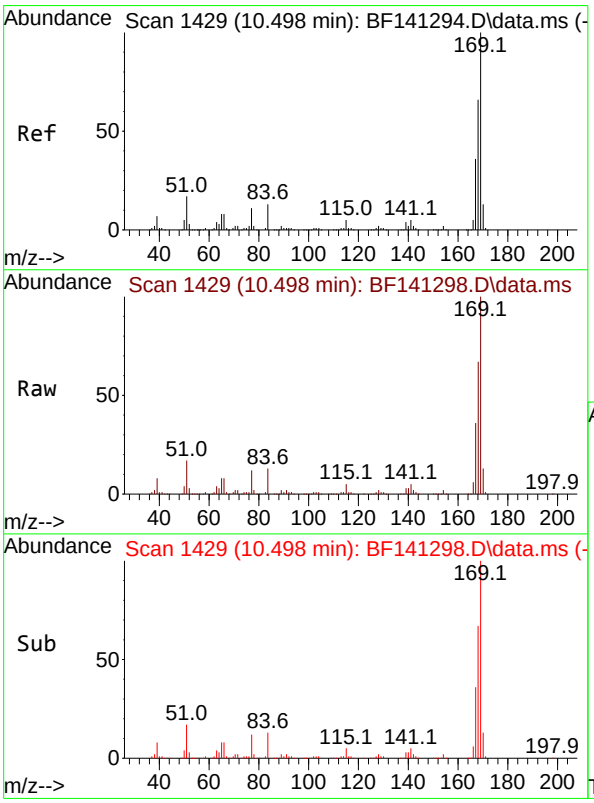
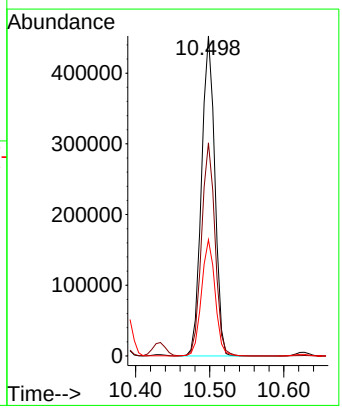


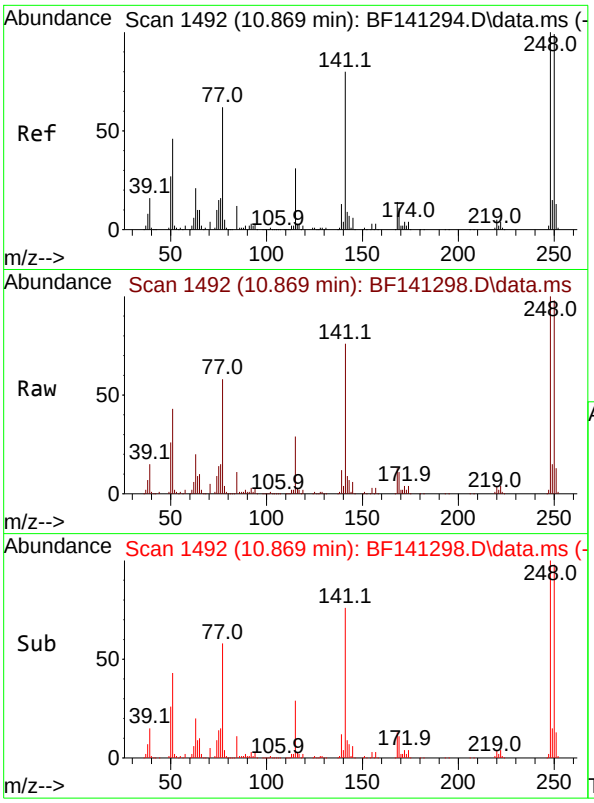


#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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

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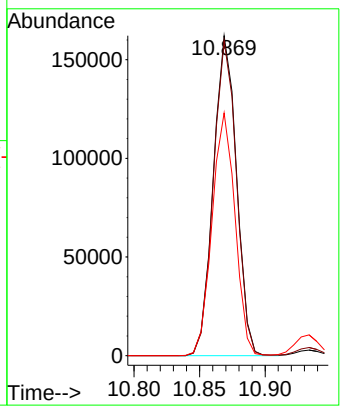
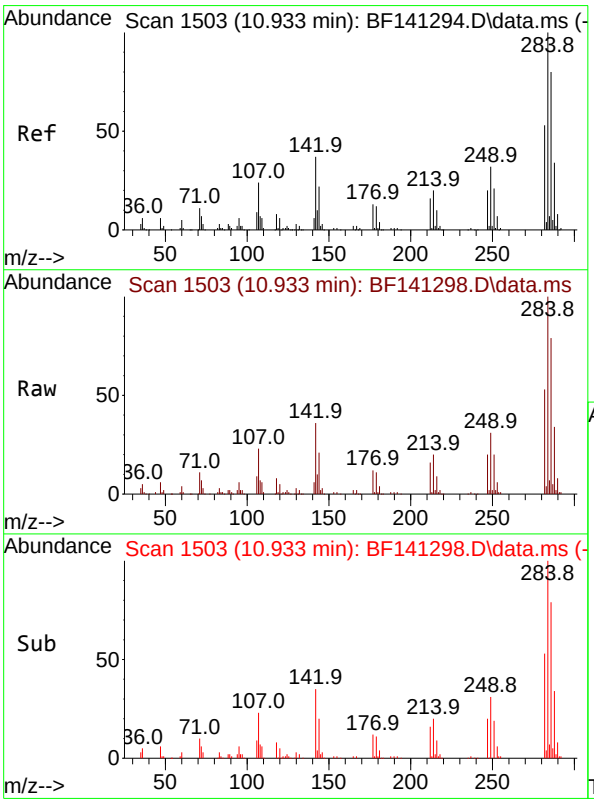
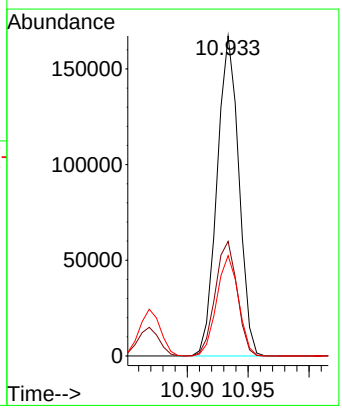


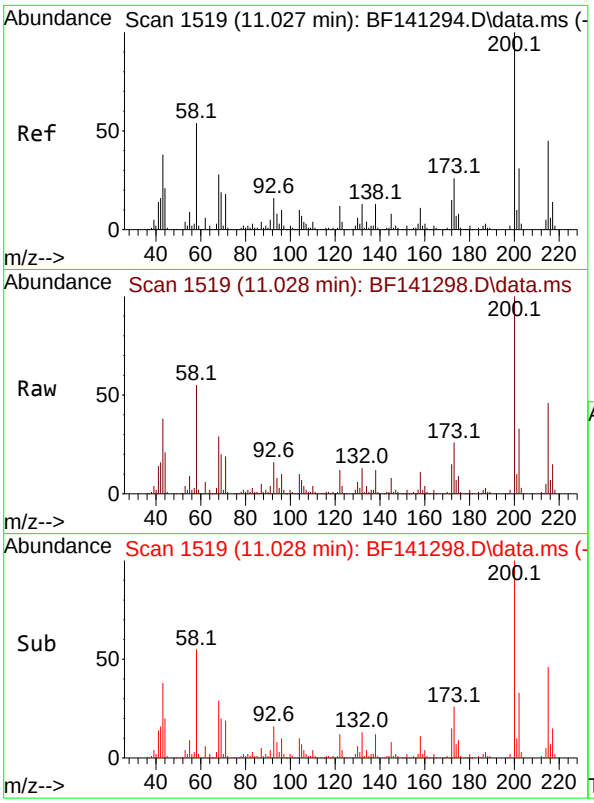


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

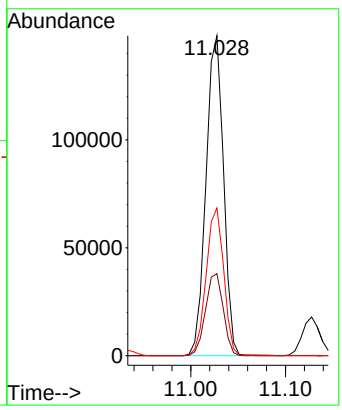




#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
BNA_F
ClientSampleId :
ICVBF012925

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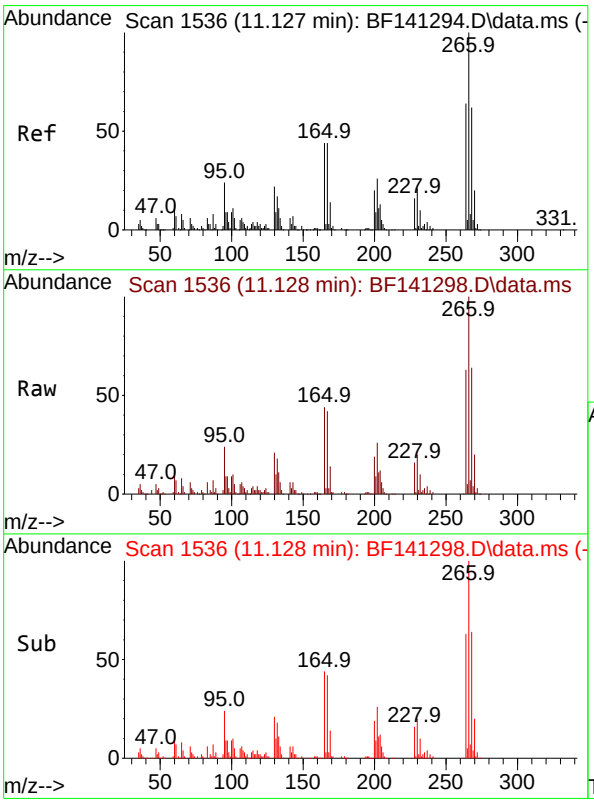
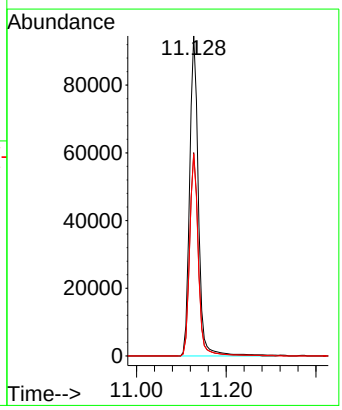
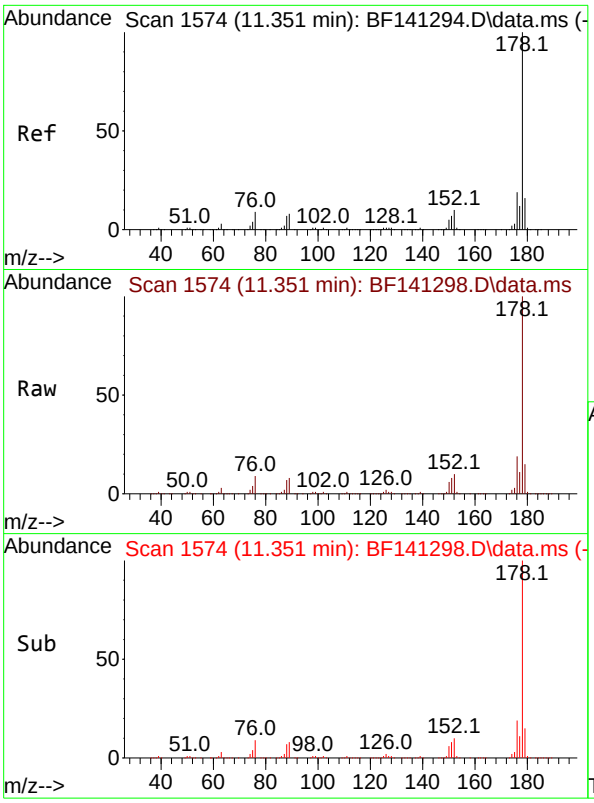


#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

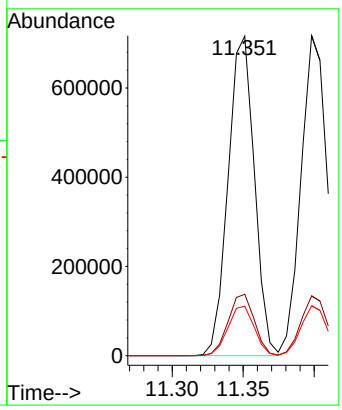




#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
BNA_F
ClientSampleId :
ICVBF012925

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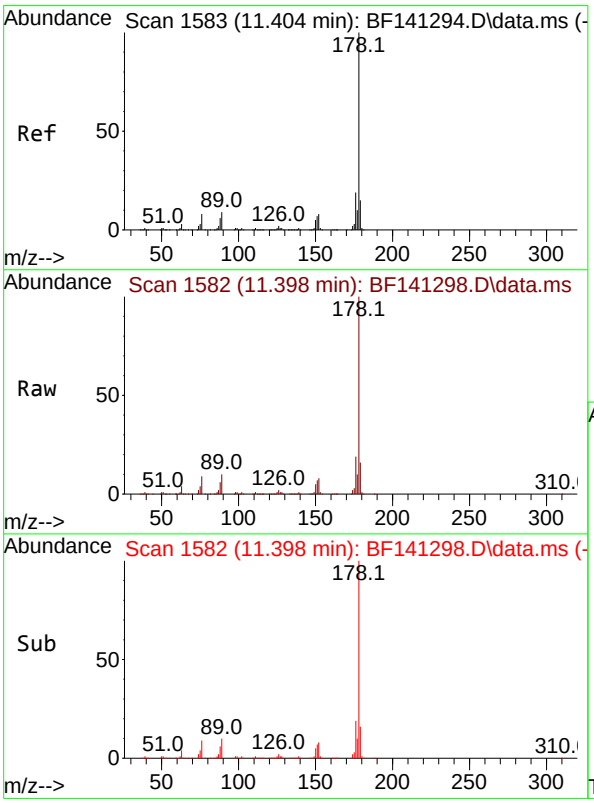
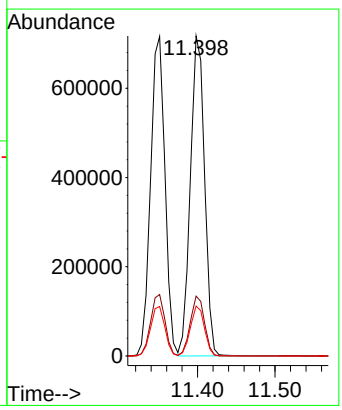
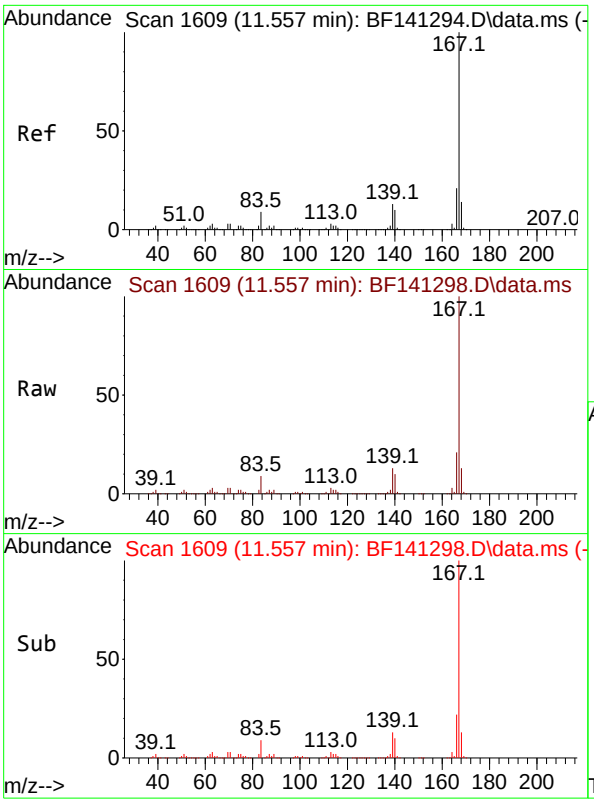


#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

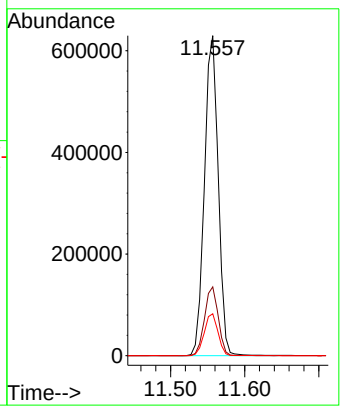




#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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 :
ICVBF012925

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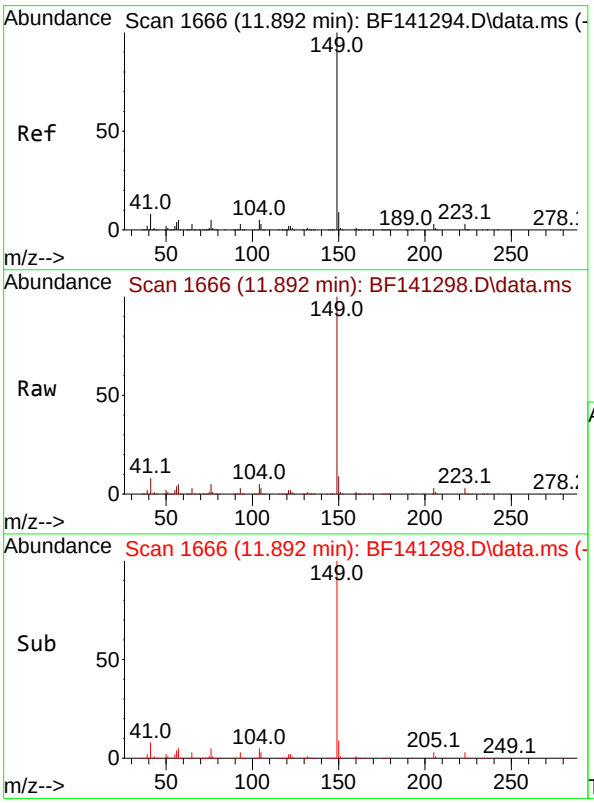
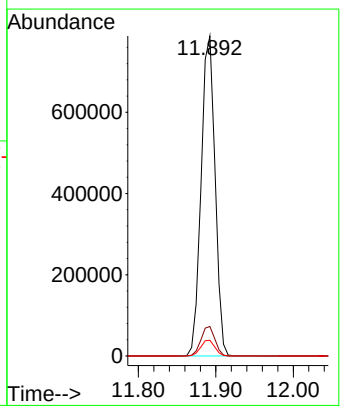
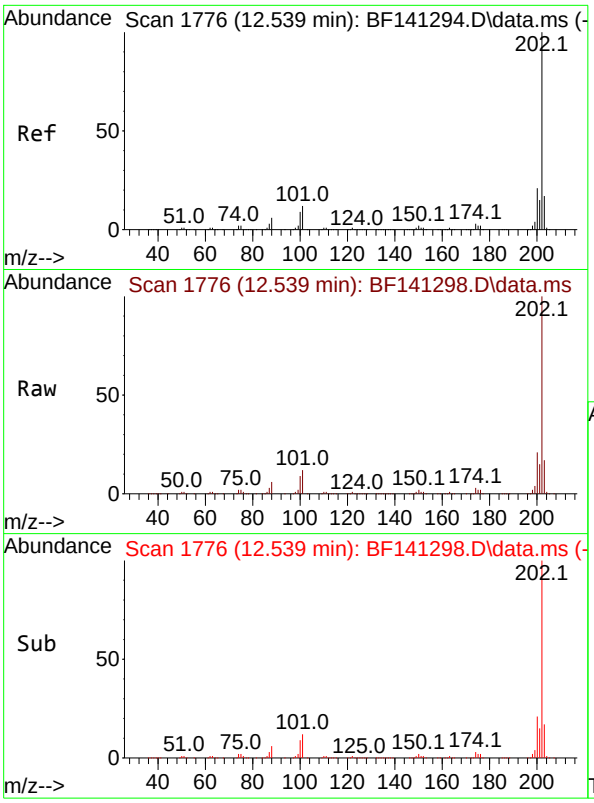


#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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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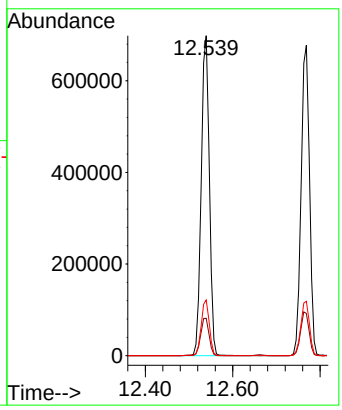
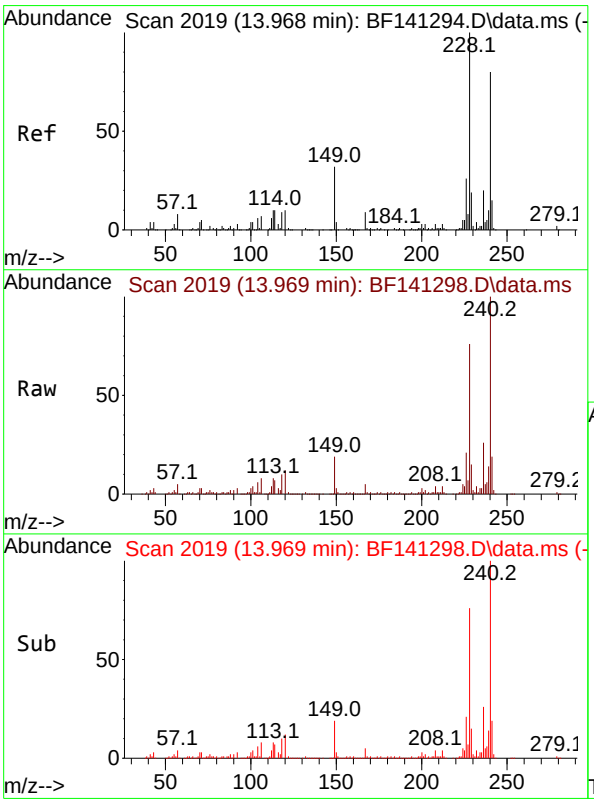
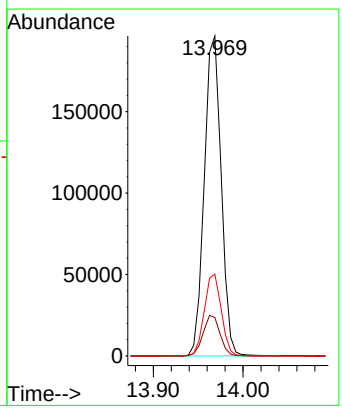


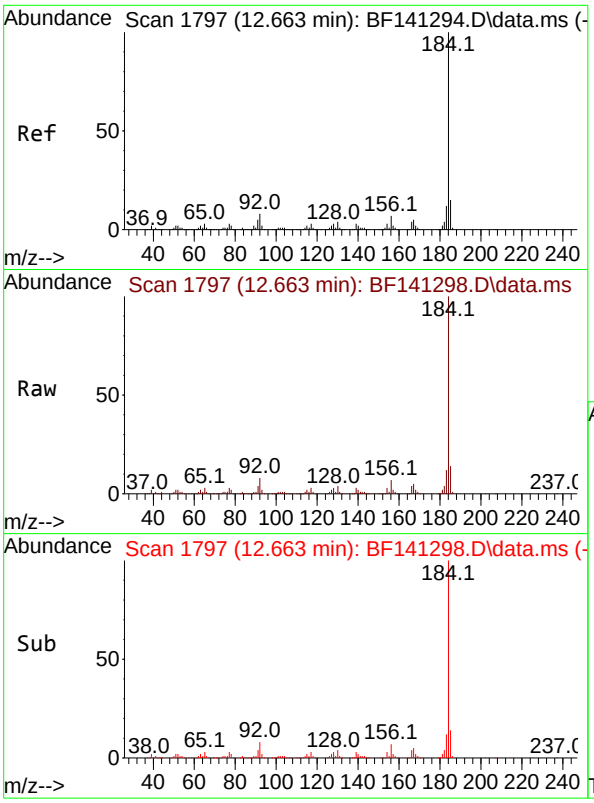


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

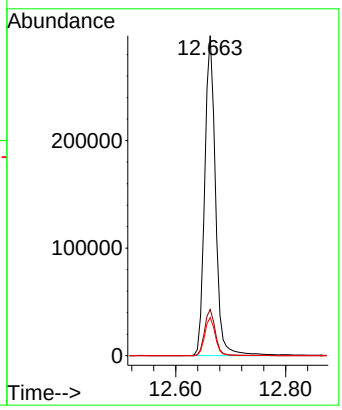




#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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
ClientSampleId :
ICVBF012925

Manual Integrations
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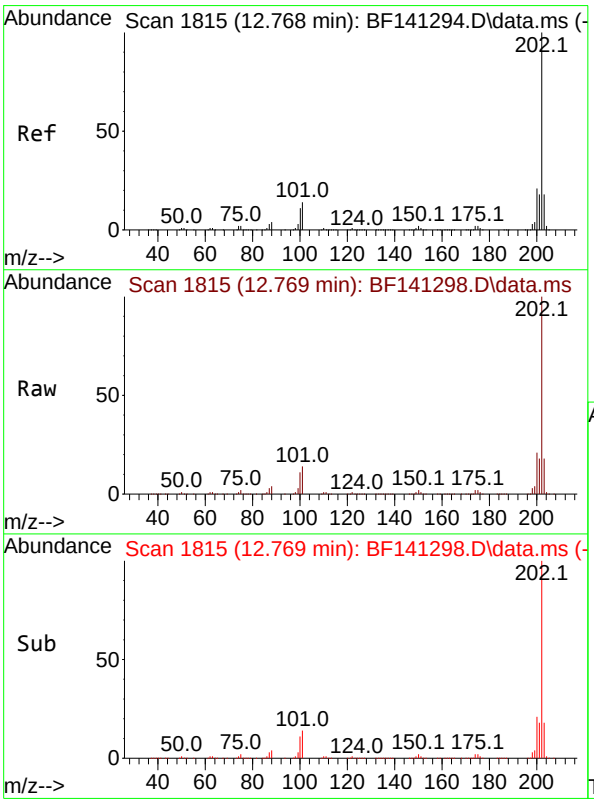
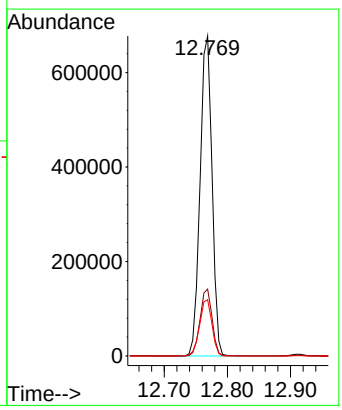
Supervised By :mohammad ahmed 02/04/2025

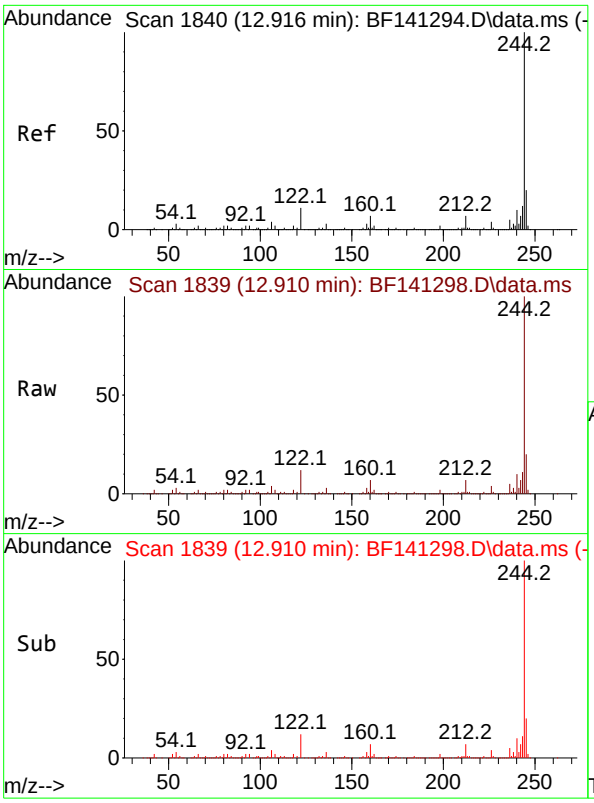


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

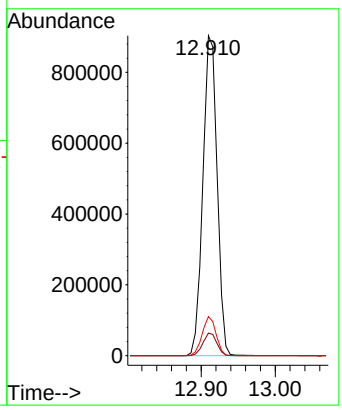




#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:244 Resp: 120835

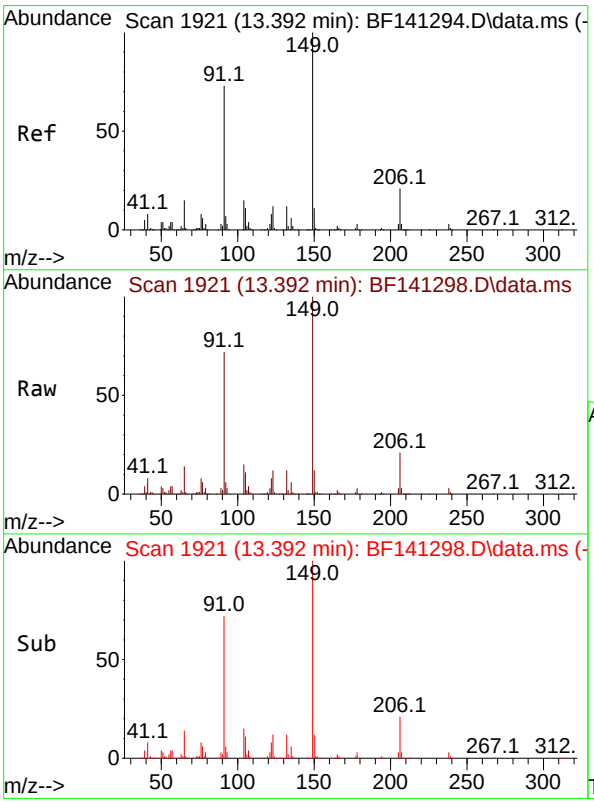
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

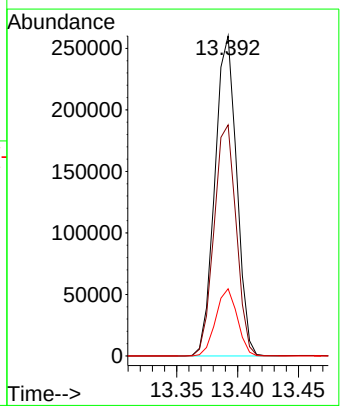
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

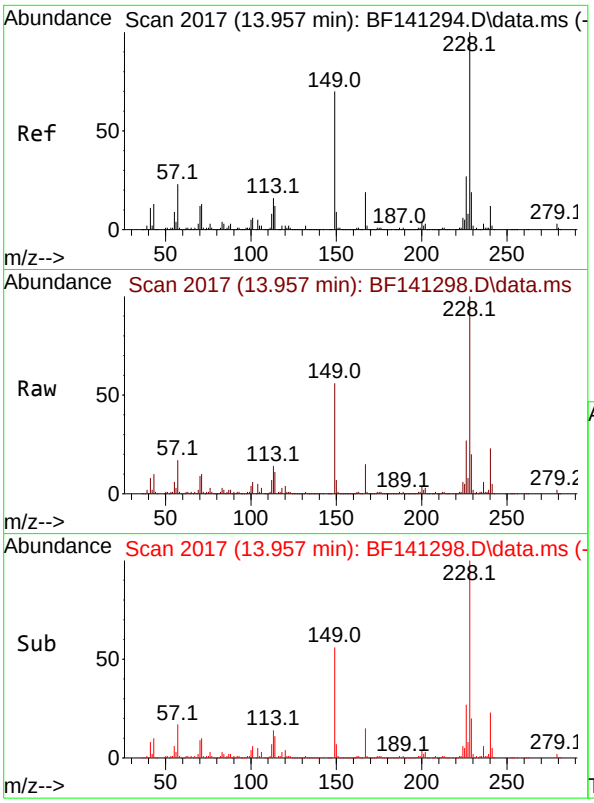


#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

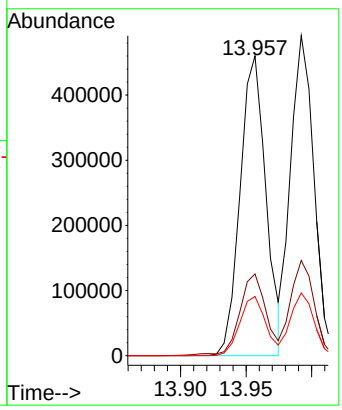




#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 63155

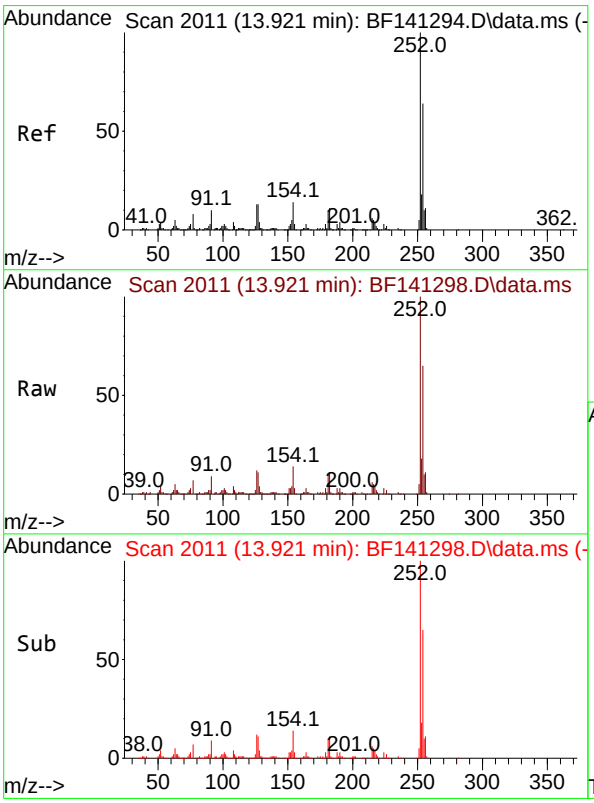
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

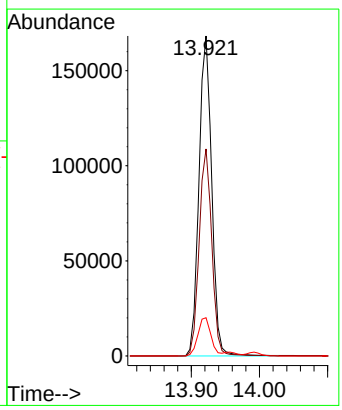
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

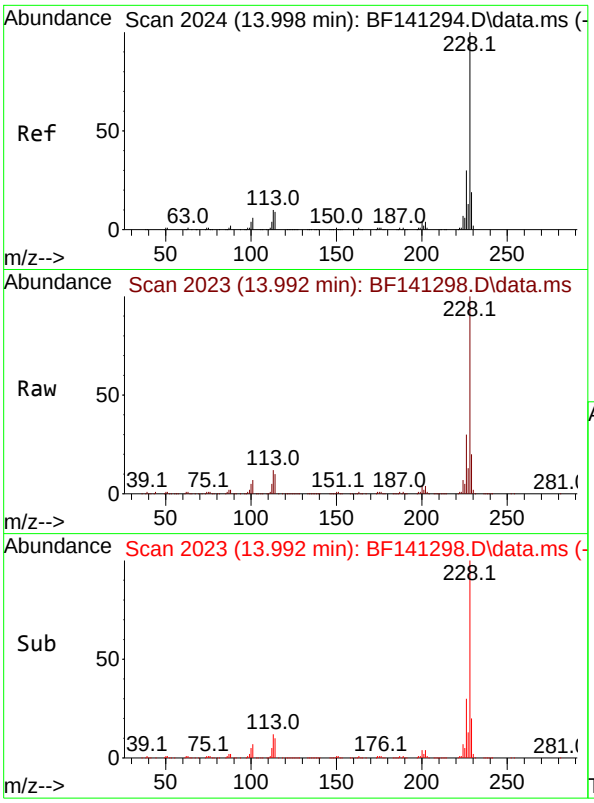


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

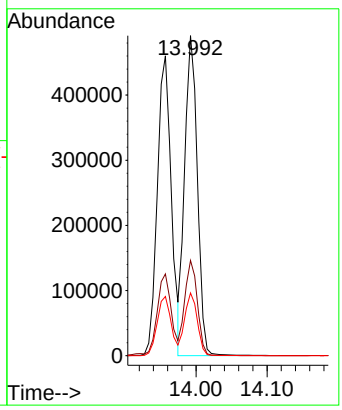




#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 61003

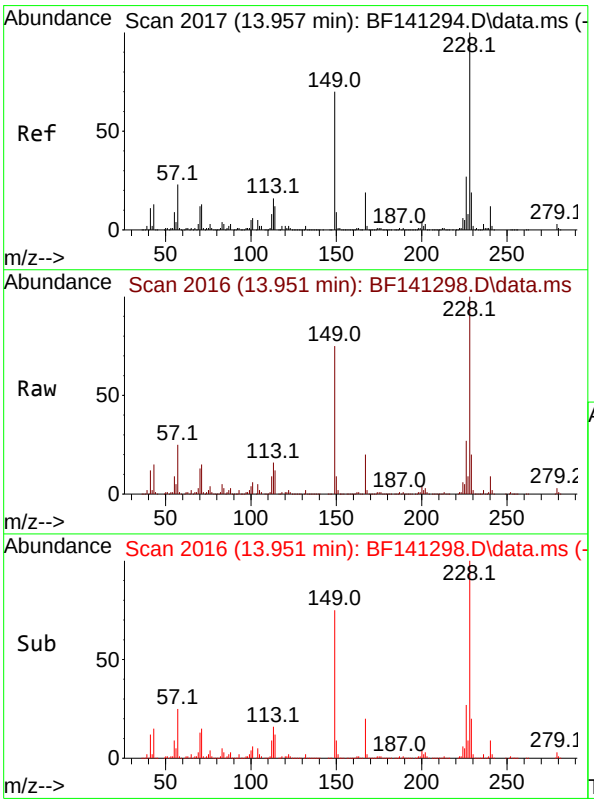
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

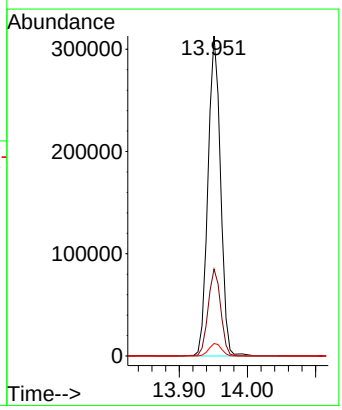
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

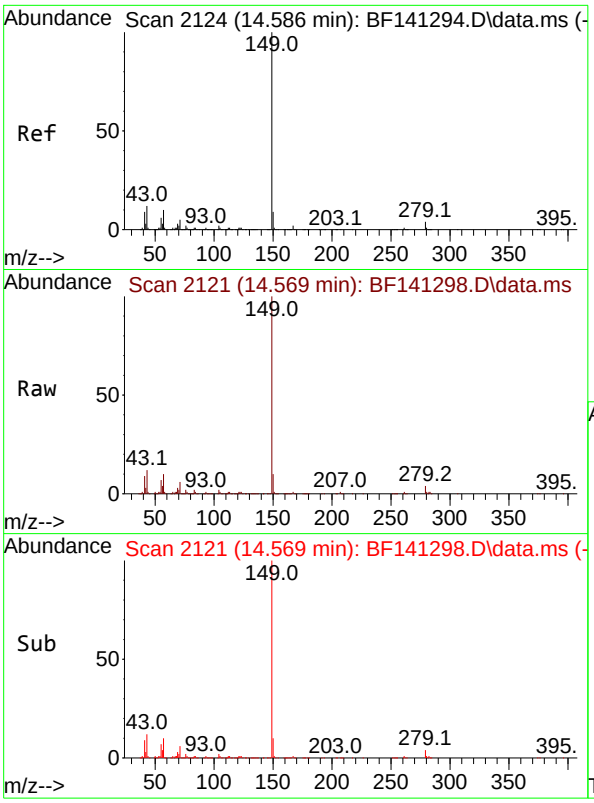


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

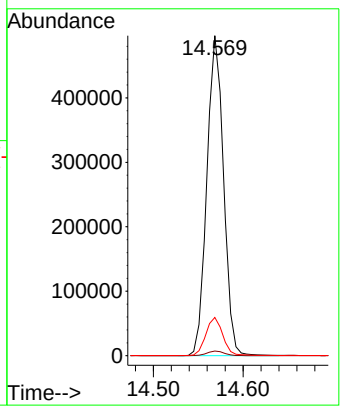
Tgt Ion:149 Resp: 64243

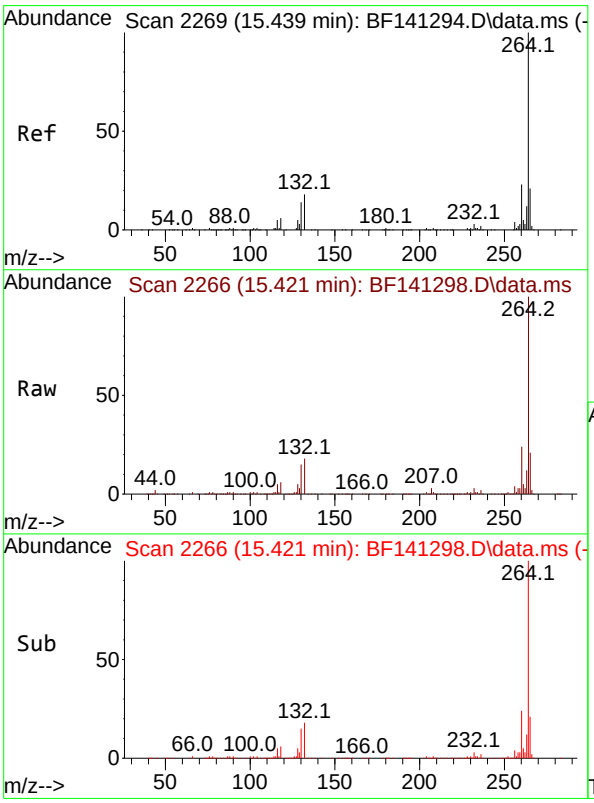
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

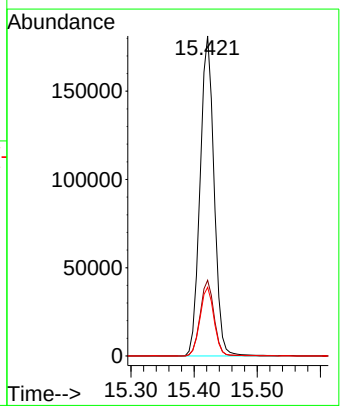


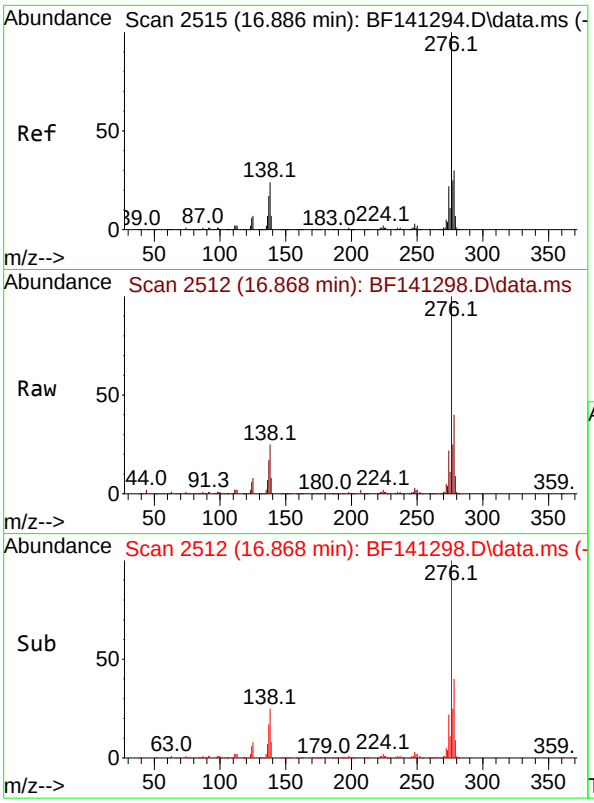


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

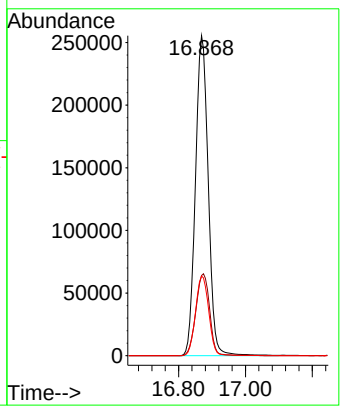




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 67865

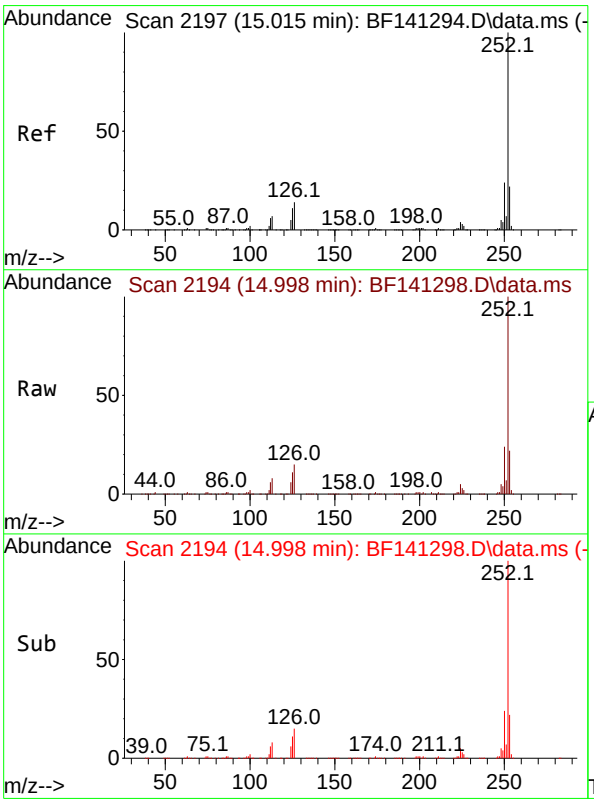
Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.7	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

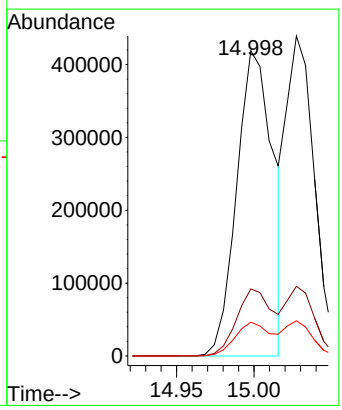
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

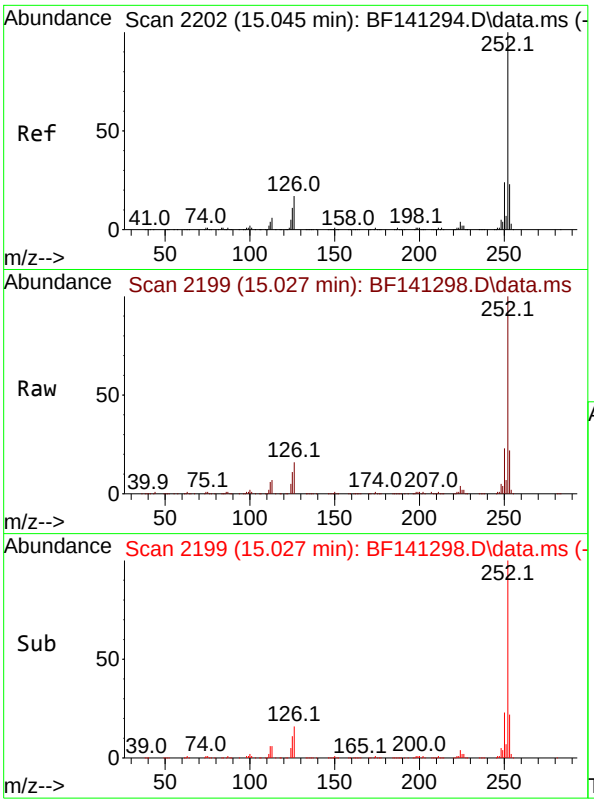


#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

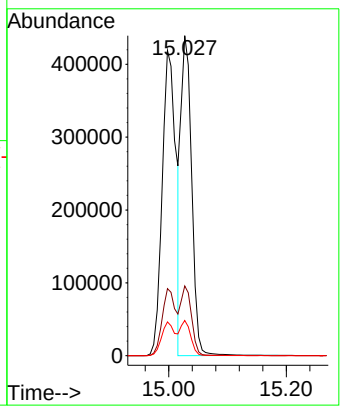




#89
Benzo(k)fluoranthene
Concen: 35.766 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 55696

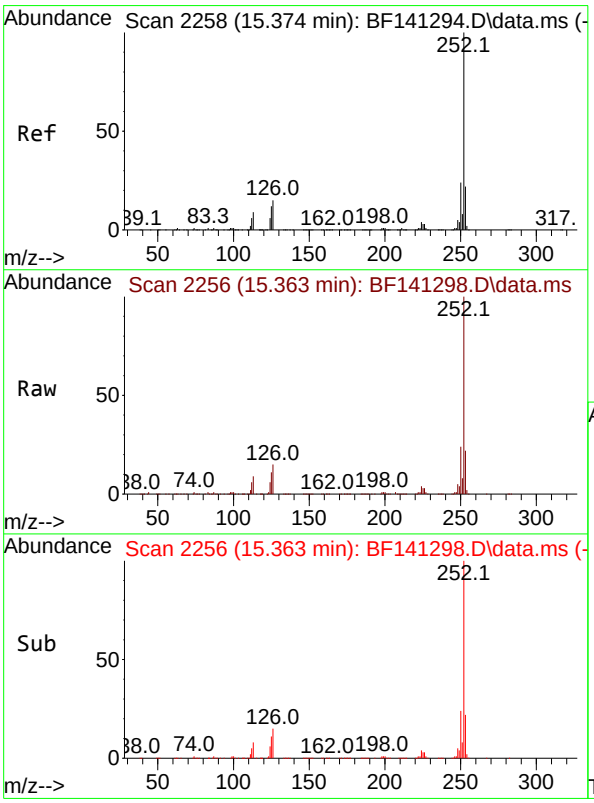
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

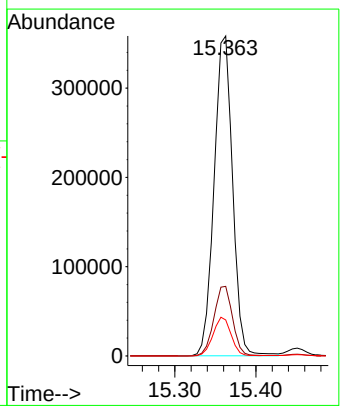
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

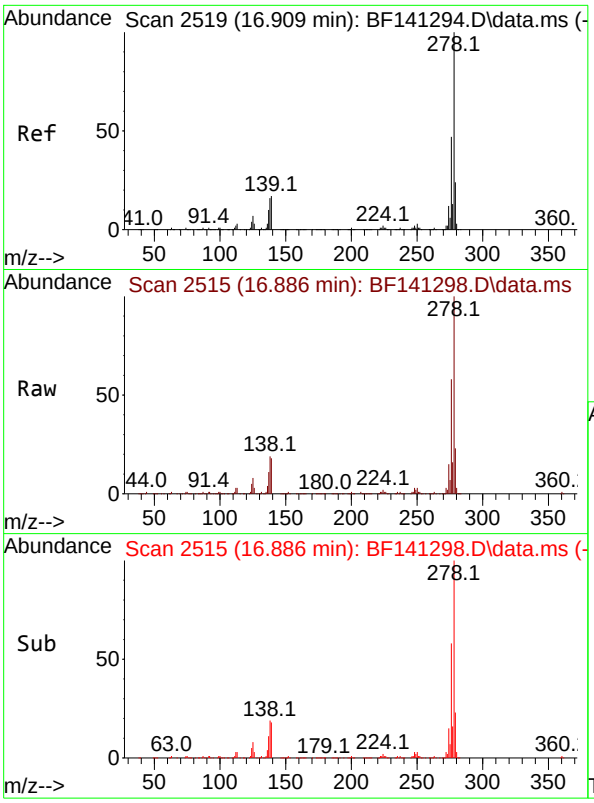


#90
Benzo(a)pyrene
Concen: 38.209 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

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

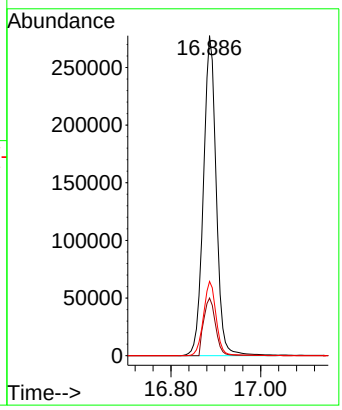




#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:278 Resp: 55153

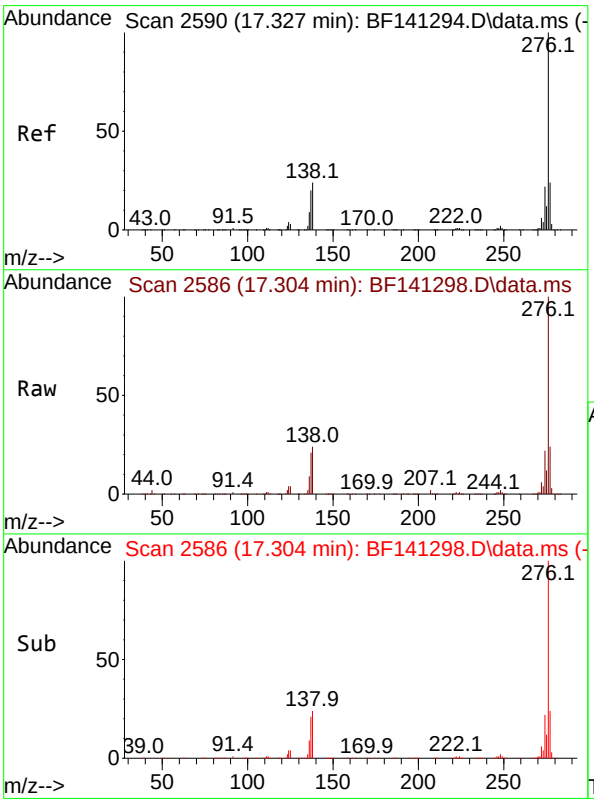
Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.9	20.9
279	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
APPROVED

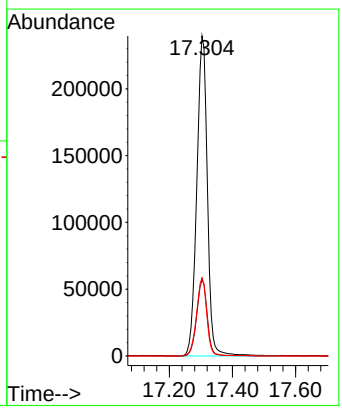
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#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



Evaluate Continuing Calibration Report

ICAL Form

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

ICAL Form

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

ICAL Form

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

Evaluate Continuing Calibration Report

ICAL Form

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
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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)
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

ICAL Form

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

ICAL Form

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF1414
79.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73
3)		Pyridine		1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79
4)		n-Nitrosodimet...		0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83
5)	S	2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77
6)		Aniline		1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42
7)	S	Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13
8)		2-Chlorophenol		1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38
9)		Benzaldehyde		0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92
10)	C	Phenol		1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42
11)		bis(2-Chloroet...		1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59
12)		1,3-Dichlorobe...		1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95
13)	C	1,4-Dichlorobe...		1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59
14)		1,2-Dichlorobe...		1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55
15)		Benzyl Alcohol		1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19
16)		2,2'-oxybis(1-...		2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45
17)		2-Methylphenol		1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15
18)		Hexachloroethane		0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59
19)	P	n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20)		3+4-Methylphenols		1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35
23)	S	Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58
24)		Nitrobenzene		0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29
25)		Isophorone		0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04
26)	C	2-Nitrophenol		0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91
27)		2,4-Dimethylph...		0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46
28)		bis(2-Chloroet...		0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03
29)	C	2,4-Dichloroph...		0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95
30)		1,2,4-Trichlor...		0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12
31)		Naphthalene		1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98
32)		Benzoic acid			0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70
33)		4-Chloroaniline		0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82
34)	C	Hexachlorobuta...		0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01
35)		Caprolactam		0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75
36)	C	4-Chloro-3-met...		0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91
37)		2-Methylnaphth...		0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42
38)		1-Methylnaphth...		0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41)	P	Hexachlorocycl...		0.138	0.180	0.204	0.205	0.214	0.214	0.192	15.36
42)	S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43)	C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)		2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45)	S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)		1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)		2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)		2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)		Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)		Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)		2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52)	C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)		3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54)	P	2,4-Dinitrophenol		0.133	0.167	0.177	0.185	0.198	0.198	0.176	13.83
55)		Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56)	P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.249	0.257	0.251	0.237	10.43
57)		2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)		Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)		2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)		Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)		4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)		4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)		Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.116	0.140	0.142	0.142	0.146	0.148	0.139	8.48
66)	c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)		4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)		Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)		Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70)	C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)		Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)		Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)		Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)		Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75)	C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)		Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79)	S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)		Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)		Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)		3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)		Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)		Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85)	c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06
88)		Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88
89)		Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49
90)	C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41
91)		Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13
92)		Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91402	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372084	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	206500	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	361595	20.000	ng	0.00
76) Chrysene-d12	13.951	240	309941	20.000	ng	-0.01
86) Perylene-d12	15.410	264	259363	20.000	ng	0.00
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...	7.192	70	10850	2.462	ng	92

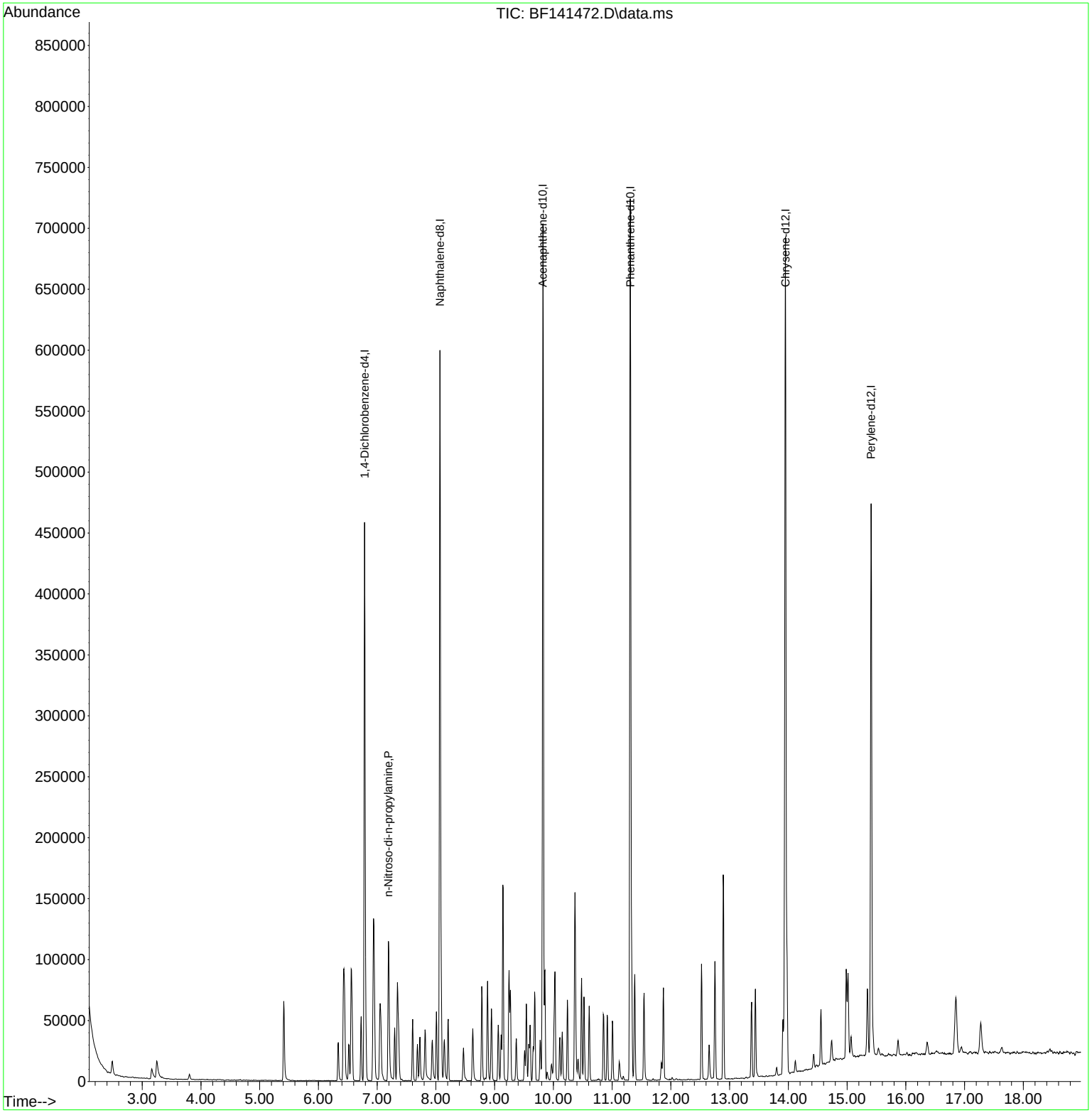
(#) = qualifier out of range (m) = manual integration (+) = signals summed

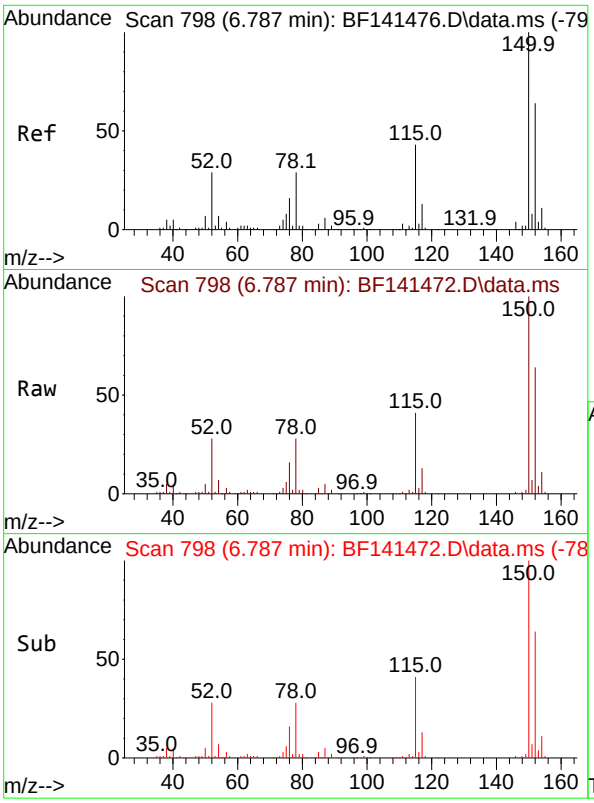
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



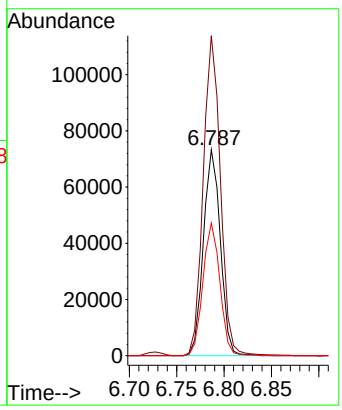


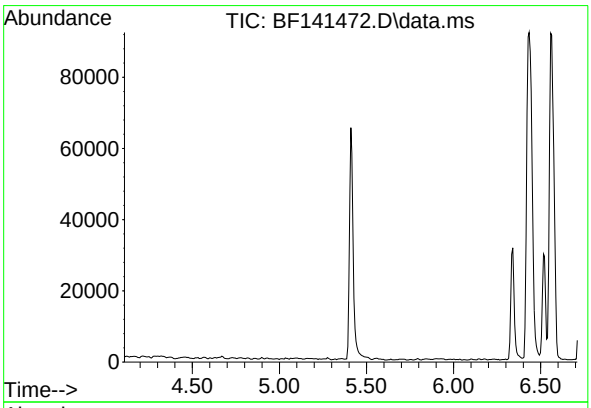
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 91402

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.0	187.4
115	64.4	53.6	80.4



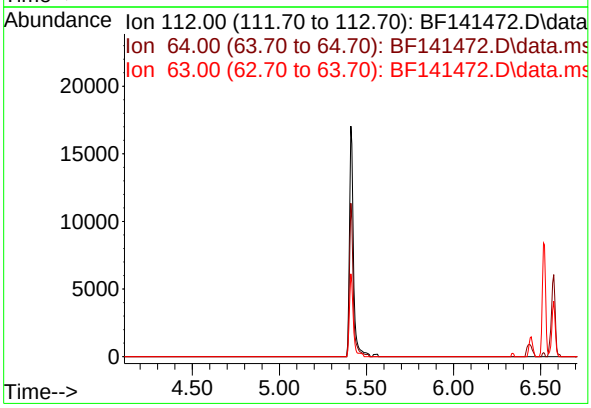


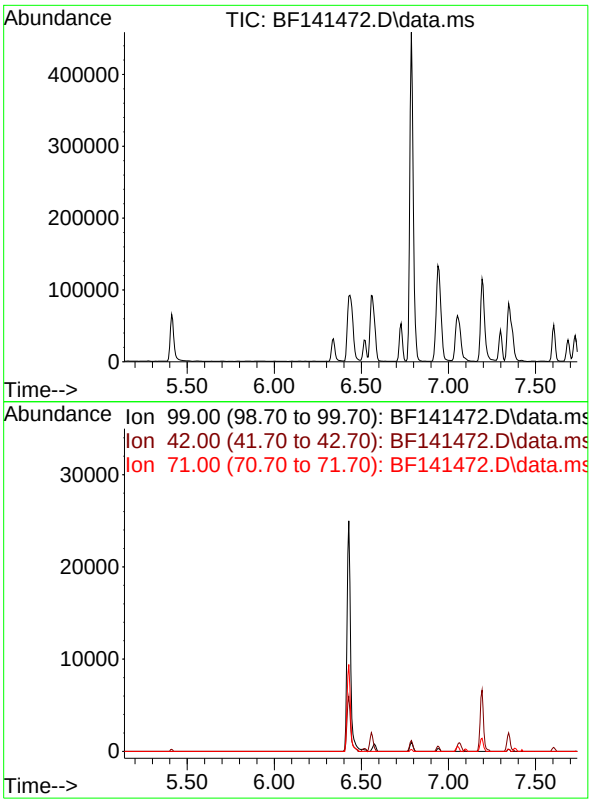
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	63.9
63	35.5





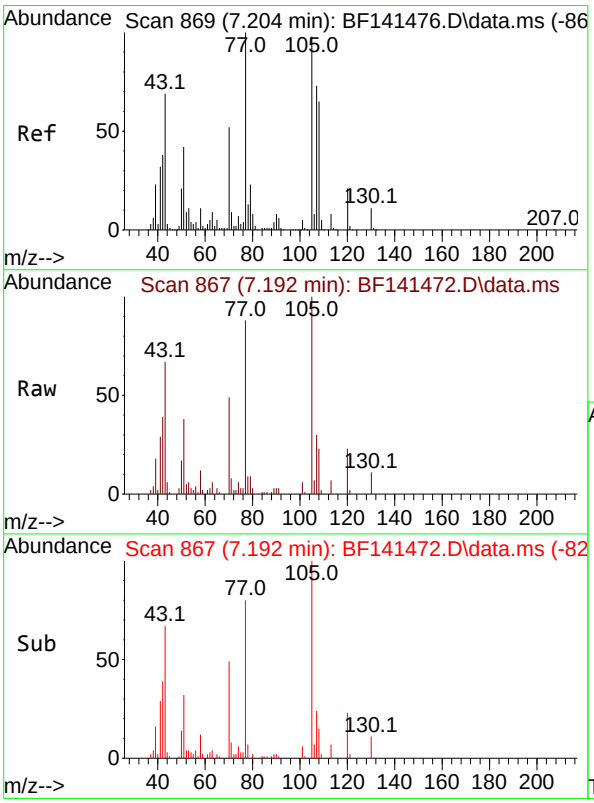
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.44 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

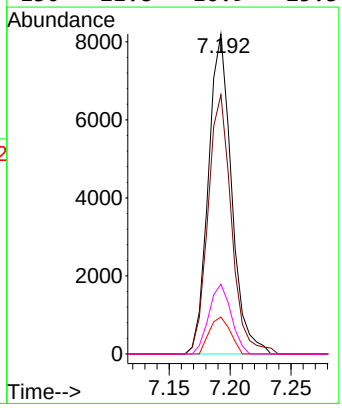
Sig	Exp Ratio
99	100
42	23.9
71	38.9

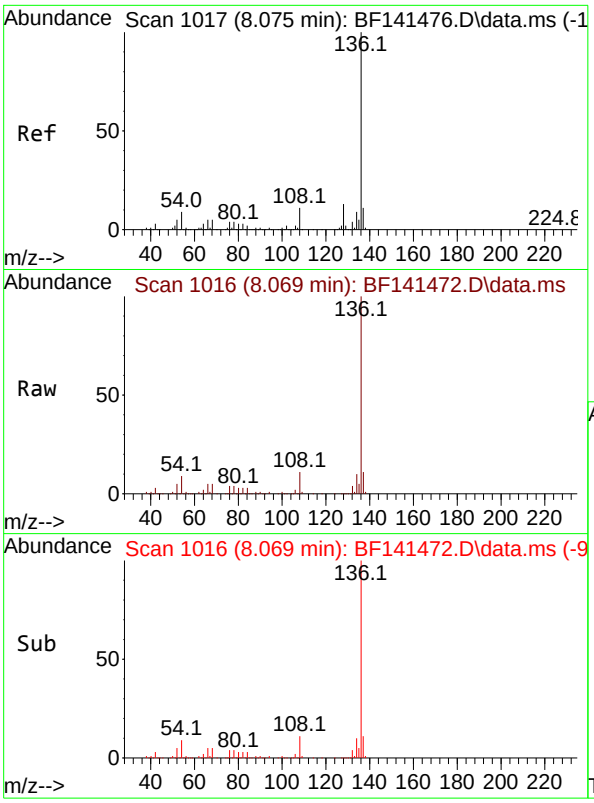


#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 70 Resp: 10850

Ion	Ratio	Lower	Upper
70	100		
42	81.0	57.4	86.2
101	11.5	8.0	12.0
130	21.8	16.9	25.3



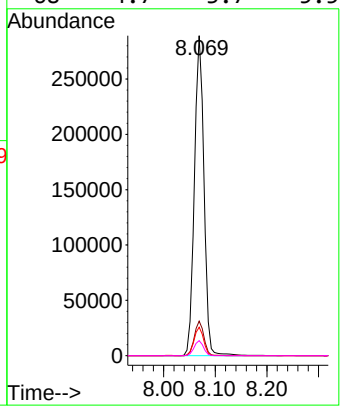


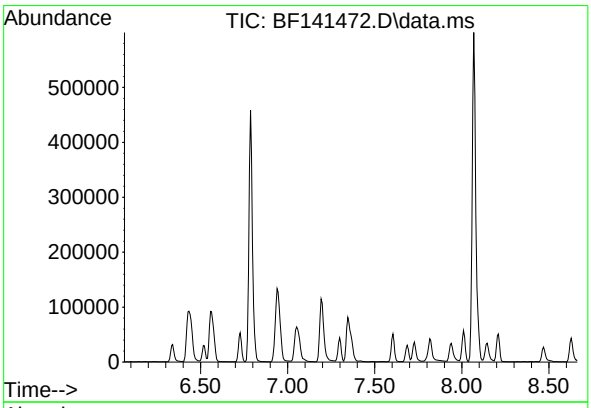
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 372084

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5



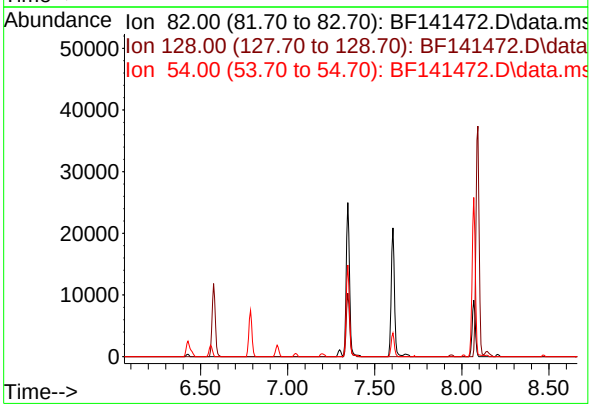


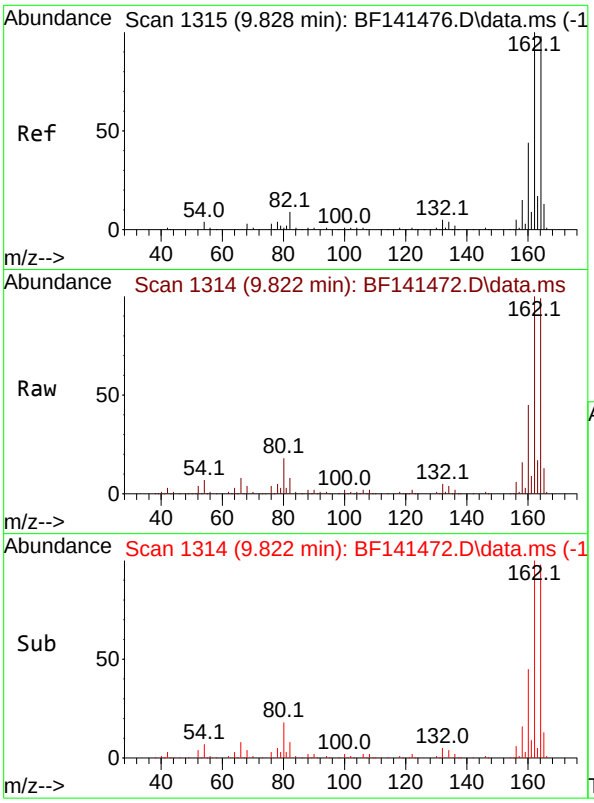
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.5
54	60.3



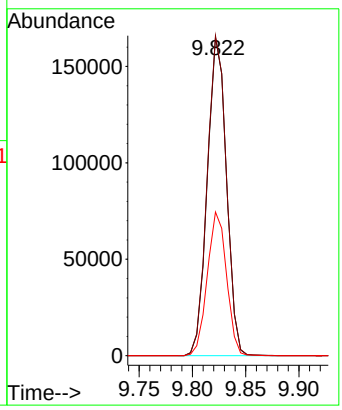


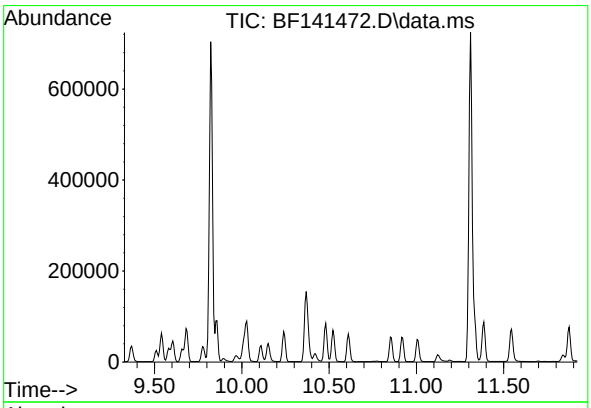
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 206500

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.3	121.9
160	45.1	35.9	53.9



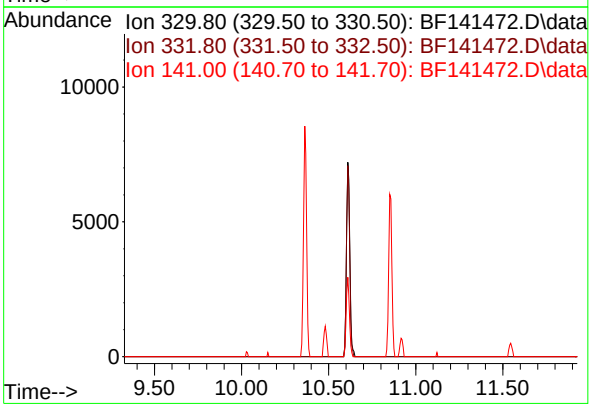


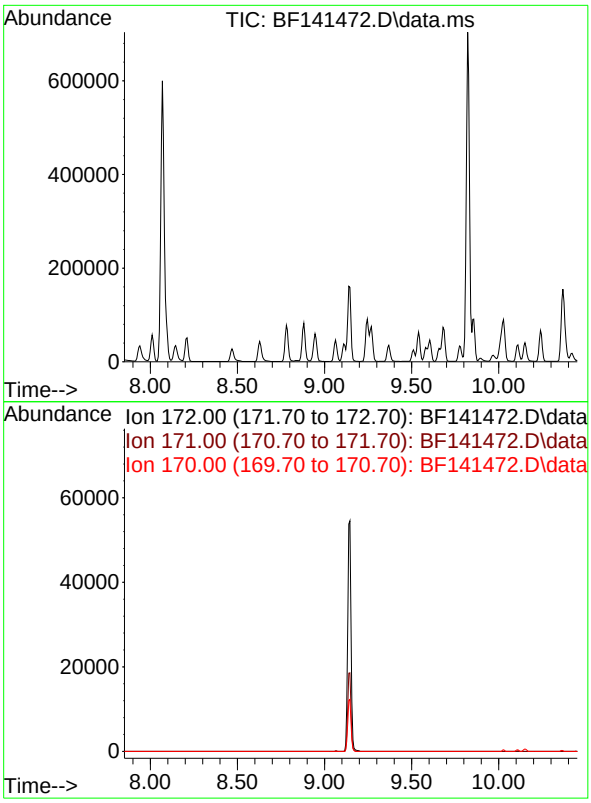
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	98.1
141	38.7





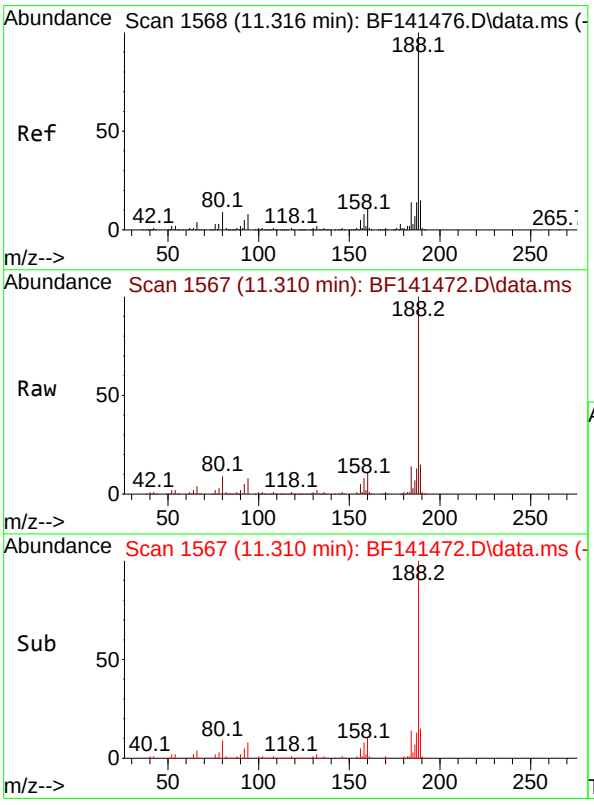
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.15 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

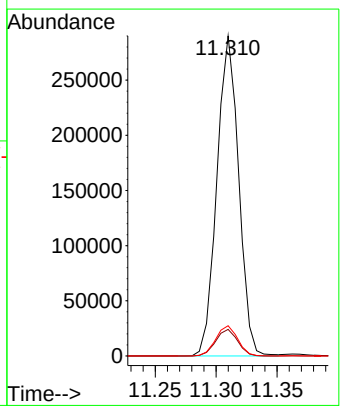
Sig	Exp Ratio
172	100
171	35.9
170	23.6

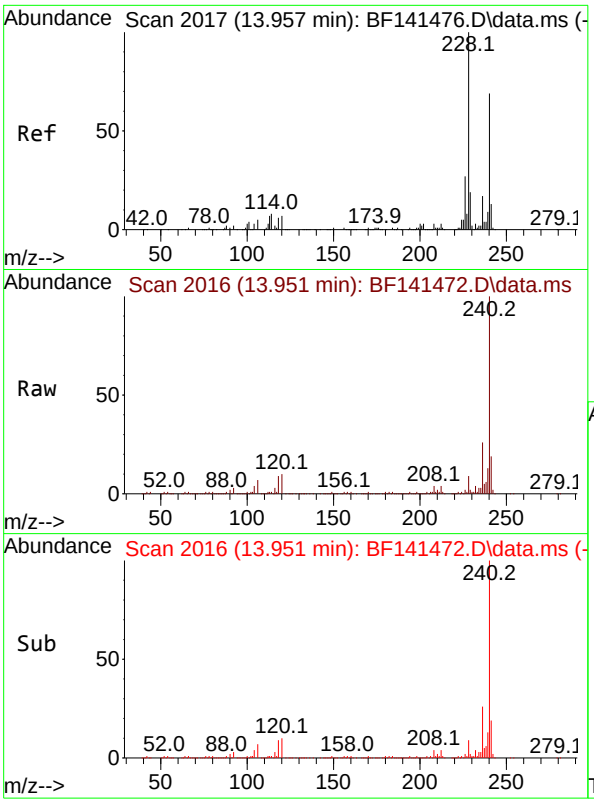


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion:188 Resp: 361595

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.5	7.3	10.9



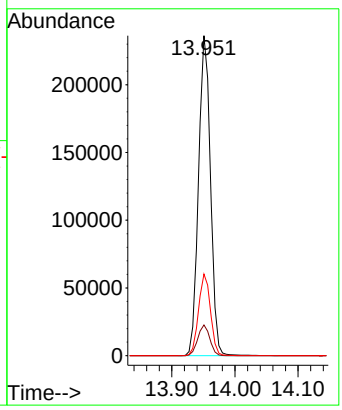


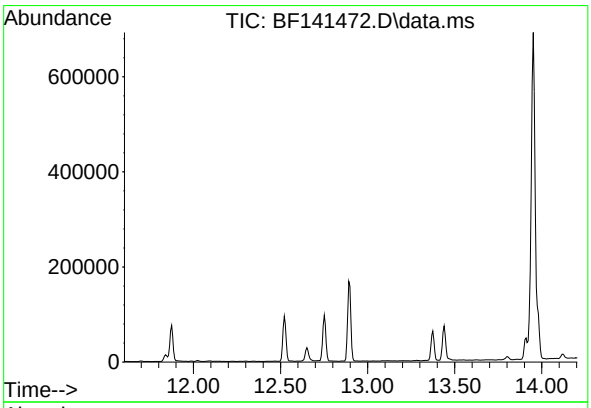
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 309941

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.5	19.8	29.8



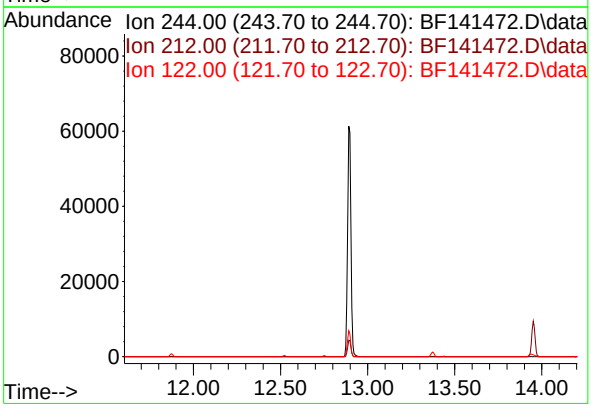


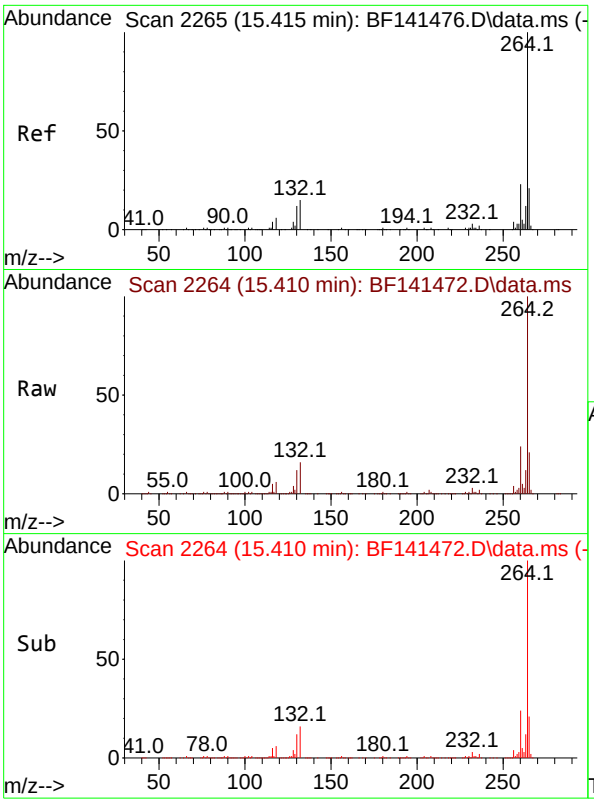
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	10.5



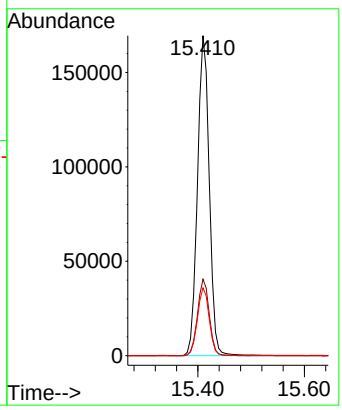


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 259363

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.2	17.0	25.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	89396	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	358966	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	199514	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	351213	20.000	ng		0.00
76) Chrysene-d12	13.951	240	295087	20.000	ng		-0.01
86) Perylene-d12	15.410	264	233325	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	55200	9.680	ng		0.00
7) Phenol-d6	6.422	99	72376	10.042	ng		-0.02
23) Nitrobenzene-d5	7.345	82	68257	9.918	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	20060	10.009	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	136925	10.573	ng		0.00
79) Terphenyl-d14	12.892	244	166601	9.531	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	11419	4.976	ng		95
3) Pyridine	3.228	79	23540	4.310	ng		97
4) n-Nitrosodimethylamine	3.152	42	16481	4.558	ng	#	96
6) Aniline	6.445	93	32993	4.880	ng		97
8) 2-Chlorophenol	6.575	128	31263	5.074	ng		99
9) Benzaldehyde	6.334	77	19944	5.207	ng		94
10) Phenol	6.440	94	37833	5.044	ng		97
11) bis(2-Chloroethyl)ether	6.522	93	28203	5.006	ng		97
12) 1,3-Dichlorobenzene	6.728	146	32913	5.060	ng		99
13) 1,4-Dichlorobenzene	6.804	146	34555	5.199	ng		97
14) 1,2-Dichlorobenzene	6.957	146	31141	5.049	ng		96
15) Benzyl Alcohol	6.928	79	26612	4.815	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	49667	5.150	ng		99
17) 2-Methylphenol	7.045	107	24939	5.173	ng		96
18) Hexachloroethane	7.298	117	12043	4.896	ng		98
19) n-Nitroso-di-n-propyla...	7.192	70	21865	5.072	ng		97
20) 3+4-Methylphenols	7.198	107	32221	5.258	ng		94
22) Acetophenone	7.192	105	46441	5.201	ng		95
24) Nitrobenzene	7.363	77	33173	4.943	ng		99
25) Isophorone	7.604	82	54796	4.993	ng		99
26) 2-Nitrophenol	7.687	139	15331	4.592	ng		97
27) 2,4-Dimethylphenol	7.728	122	18659	4.784	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	34469	4.902	ng		100
29) 2,4-Dichlorophenol	7.934	162	25667	4.870	ng		97
30) 1,2,4-Trichlorobenzene	8.010	180	29321	5.109	ng		96
31) Naphthalene	8.092	128	95730	5.123	ng		99
33) 4-Chloroaniline	8.145	127	31729	4.864	ng		98
34) Hexachlorobutadiene	8.210	225	17323	5.028	ng		98
35) Caprolactam	8.475	113	7437	4.635	ng		94
36) 4-Chloro-3-methylphenol	8.628	107	27818	4.765	ng		98
37) 2-Methylnaphthalene	8.781	142	61742	5.078	ng		97
38) 1-Methylnaphthalene	8.881	142	61026	5.182	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	29023	5.028	ng		98
43) 2,4,6-Trichlorophenol	9.063	196	18144	4.863	ng		99
44) 2,4,5-Trichlorophenol	9.110	196	19204	4.750	ng		98
46) 1,1'-Biphenyl	9.245	154	78931	5.103	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

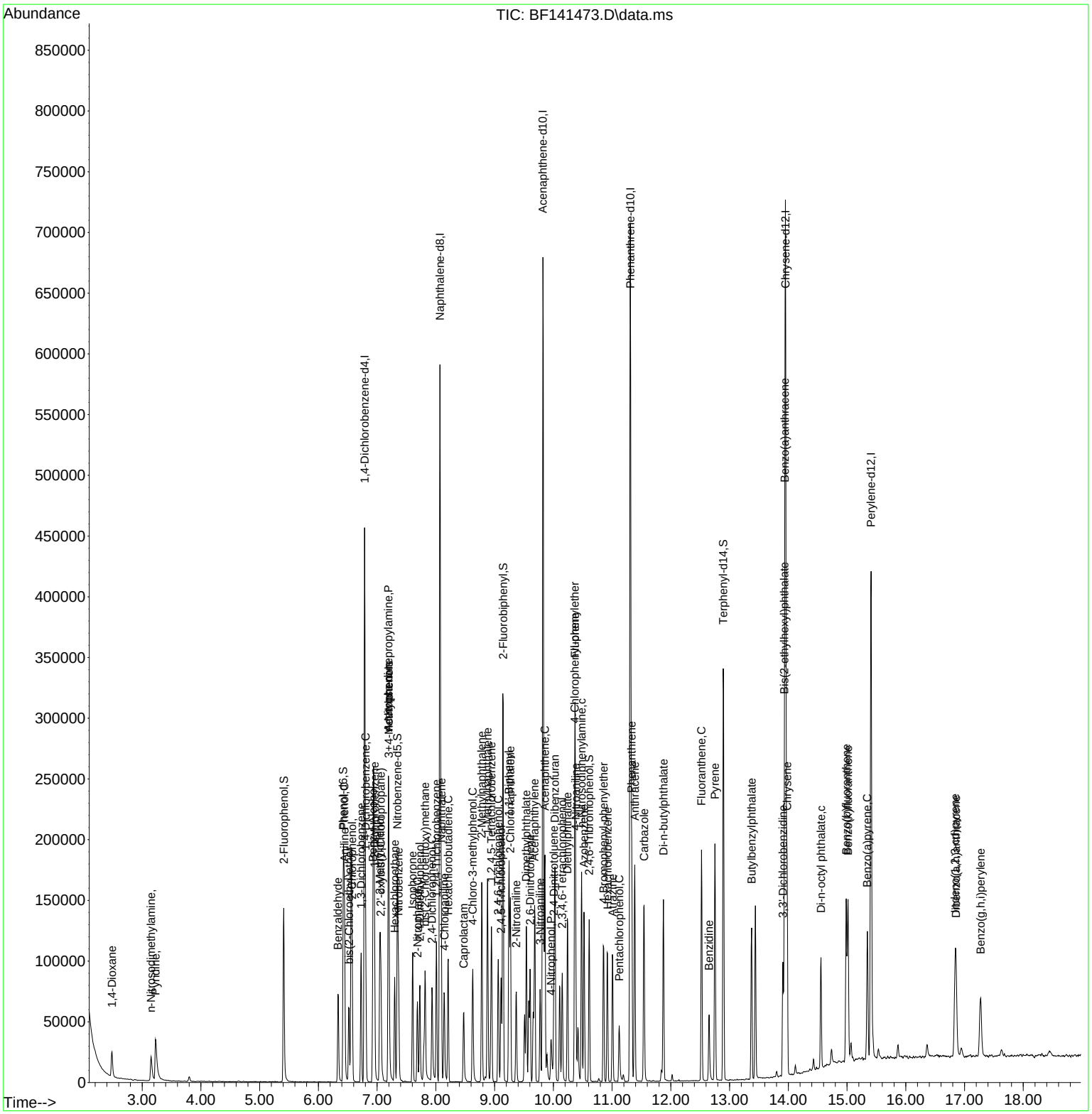
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.269	162	58201	5.088	ng		100
48) 2-Nitroaniline	9.369	65	18494	4.818	ng		98
49) Acenaphthylene	9.681	152	86721	5.097	ng		100
50) Dimethylphthalate	9.539	163	68921	5.088	ng		99
51) 2,6-Dinitrotoluene	9.604	165	14394	4.861	ng		94
52) Acenaphthene	9.857	154	59139	5.171	ng		99
53) 3-Nitroaniline	9.775	138	15563	4.884	ng		98
55) Dibenzofuran	10.028	168	88178	5.252	ng		99
56) 4-Nitrophenol	9.963	139	9482	4.008	ng		94
57) 2,4-Dinitrotoluene	10.010	165	19087	4.842	ng	#	96
58) Fluorene	10.369	166	67764	5.220	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	16570	4.760	ng		99
60) Diethylphthalate	10.239	149	69845	5.241	ng		99
61) 4-Chlorophenyl-phenyle...	10.363	204	32951	5.277	ng		99
62) 4-Nitroaniline	10.381	138	15711	4.855	ng		95
63) Azobenzene	10.522	77	67256	5.077	ng		99
66) n-Nitrosodiphenylamine	10.481	169	57063	5.076	ng		98
67) 4-Bromophenyl-phenylether	10.857	248	20012	5.098	ng		99
68) Hexachlorobenzene	10.922	284	20138	4.982	ng		98
69) Atrazine	11.010	200	17519	5.194	ng		93
70) Pentachlorophenol	11.122	266	10151	3.928	ng		98
71) Phenanthrene	11.333	178	100202	5.183	ng		100
72) Anthracene	11.386	178	102596	5.279	ng		98
73) Carbazole	11.545	167	89721	5.131	ng		100
74) Di-n-butylphthalate	11.875	149	102296	5.066	ng		100
75) Fluoranthene	12.522	202	109883	5.361	ng		98
77) Benzidine	12.651	184	34946	5.370	ng		99
78) Pyrene	12.751	202	112700	4.486	ng		100
80) Butylbenzylphthalate	13.374	149	38714	4.449	ng		98
81) Benzo(a)anthracene	13.939	228	101861	5.193	ng		99
82) 3,3'-Dichlorobenzidine	13.910	252	29306	5.216	ng		98
83) Chrysene	13.980	228	87555	4.834	ng		100
84) Bis(2-ethylhexyl)phtha...	13.933	149	43735	4.457	ng		98
85) Di-n-octyl phthalate	14.557	149	59200	4.229	ng		100
87) Indeno(1,2,3-cd)pyrene	16.839	276	57572	3.993	ng		99
88) Benzo(b)fluoranthene	14.986	252	75033	4.789	ng		99
89) Benzo(k)fluoranthene	15.016	252	64919	4.853	ng		98
90) Benzo(a)pyrene	15.345	252	63295	4.993	ng		98
91) Dibenzo(a,h)anthracene	16.857	278	46421	3.974	ng		98
92) Benzo(g,h,i)perylene	17.274	276	46952	3.841	ng		99

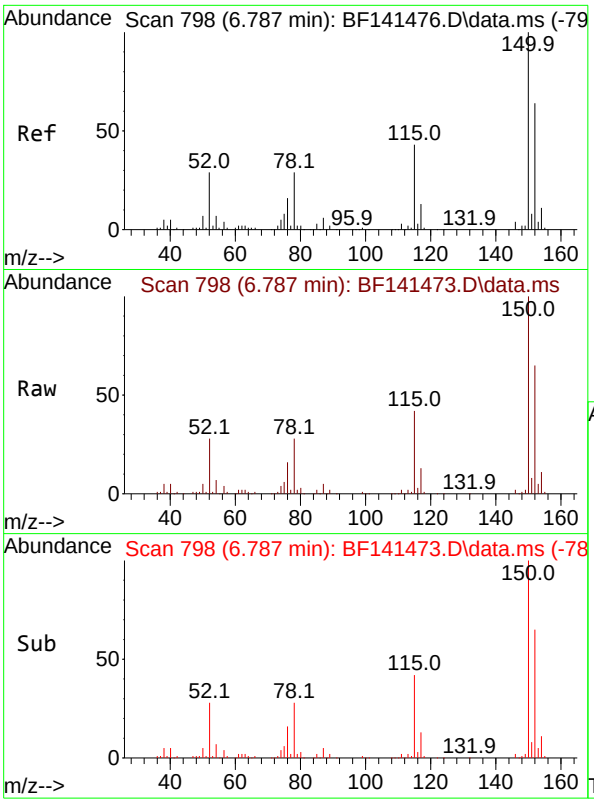
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141473.D
Acq On : 06 Feb 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Feb 06 16:00:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



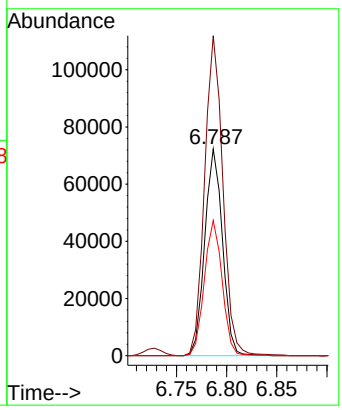


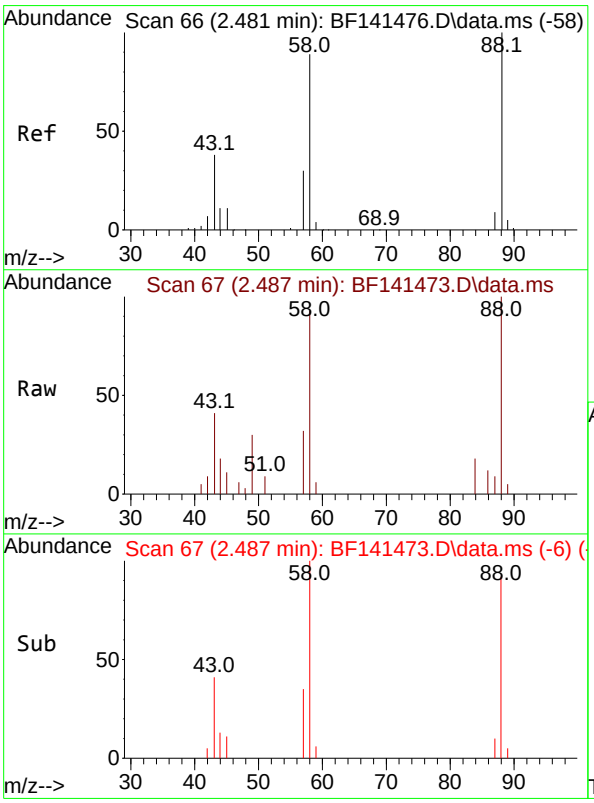
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 89396

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.0	187.4
115	65.4	53.6	80.4

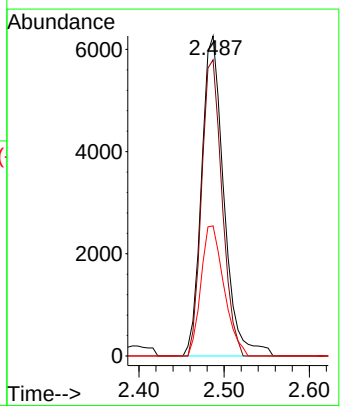


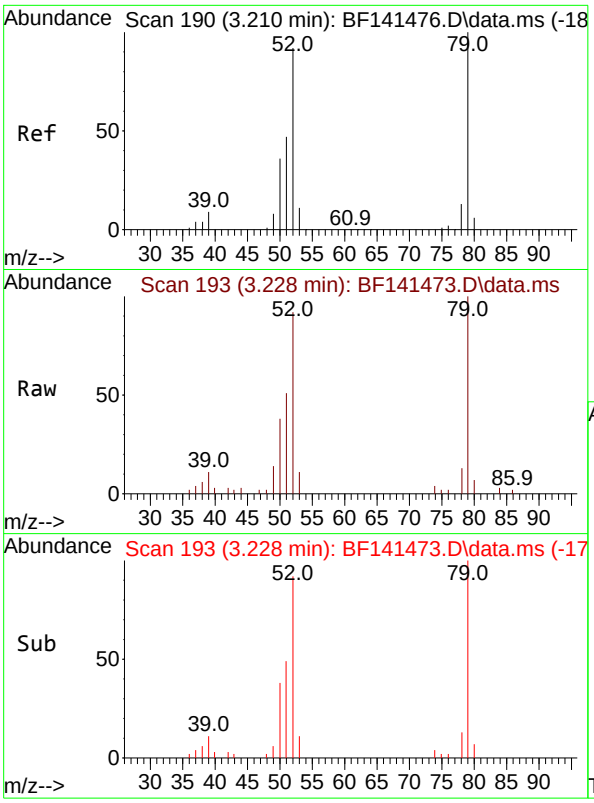


#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 88 Resp: 11419

Ion	Ratio	Lower	Upper
88	100		
58	84.3	71.1	106.7
43	41.7	30.6	46.0



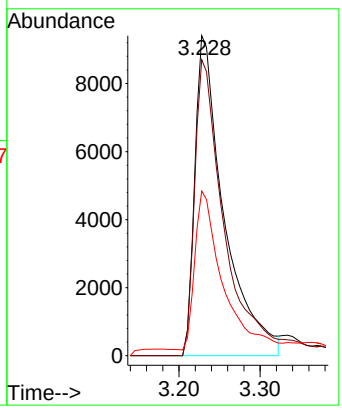


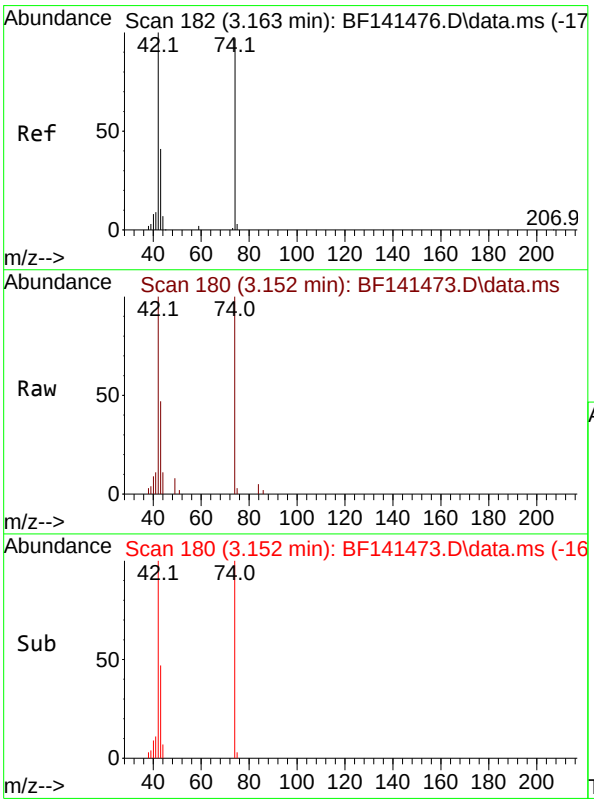
#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23540

Ion	Ratio	Lower	Upper
79	100		
52	92.5	73.7	110.5
51	51.5	37.5	56.3

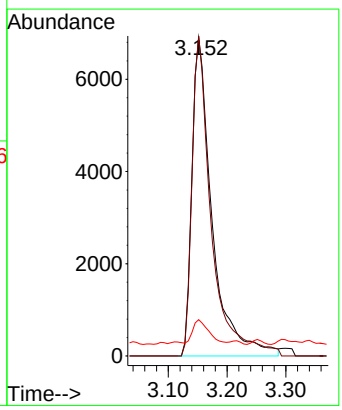


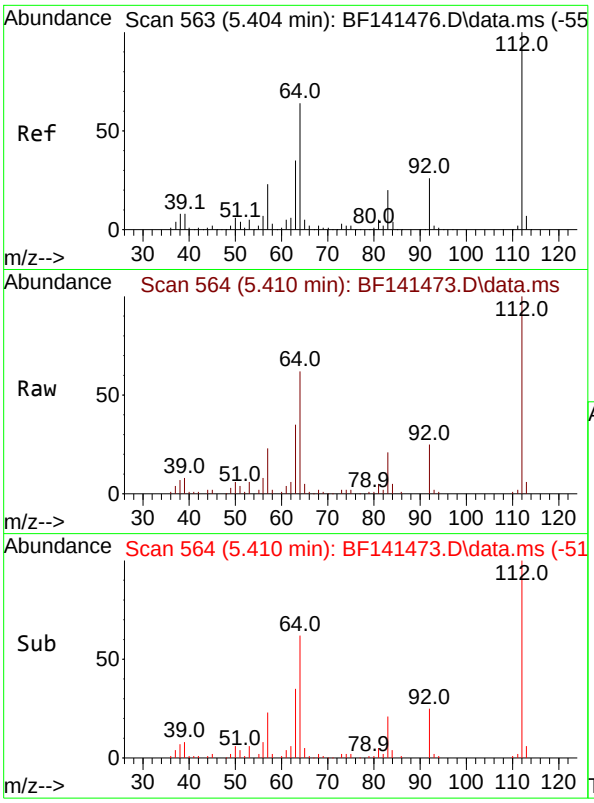


#4
n-Nitrosodimethylamine
Concen: 4.558 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 42 Resp: 16481

Ion	Ratio	Lower	Upper
42	100		
74	100.5	78.0	117.0
44	11.4	5.4	8.2#



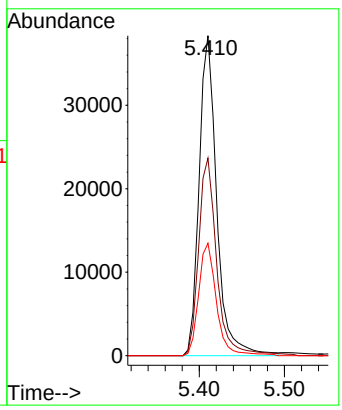


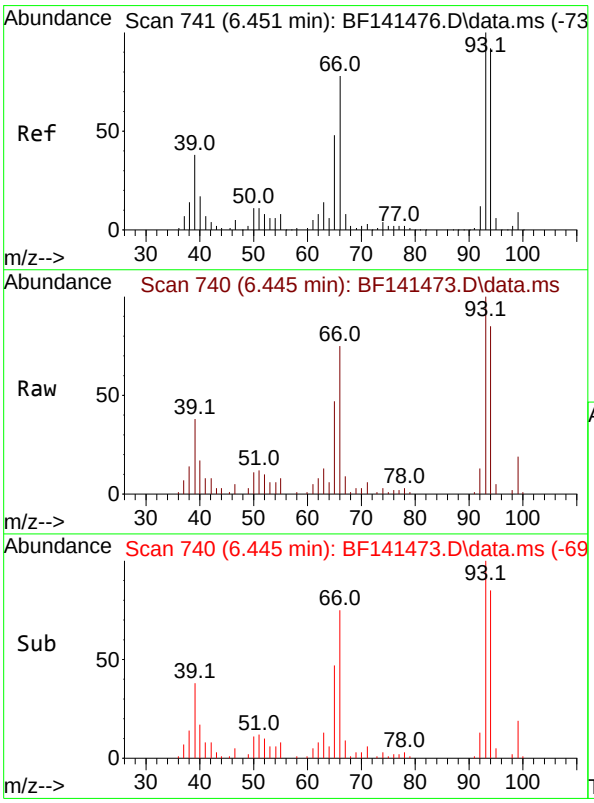
#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 55200

Ion	Ratio	Lower	Upper
112	100		
64	61.8	51.1	76.7
63	35.1	28.4	42.6

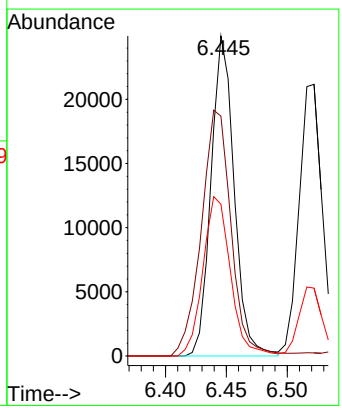


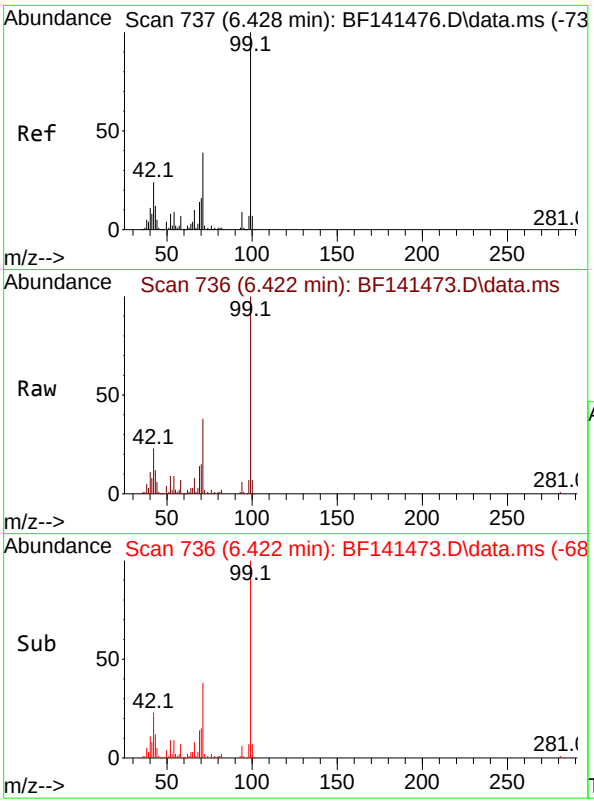


#6
Aniline
Concen: 4.880 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 32993

Ion	Ratio	Lower	Upper
93	100		
66	75.0	62.6	94.0
65	47.4	38.3	57.5



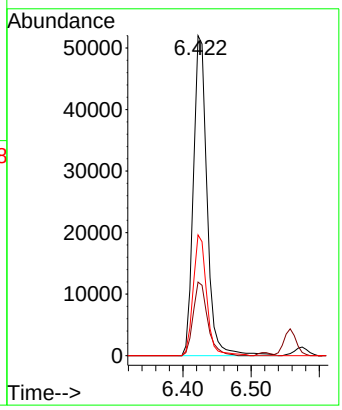


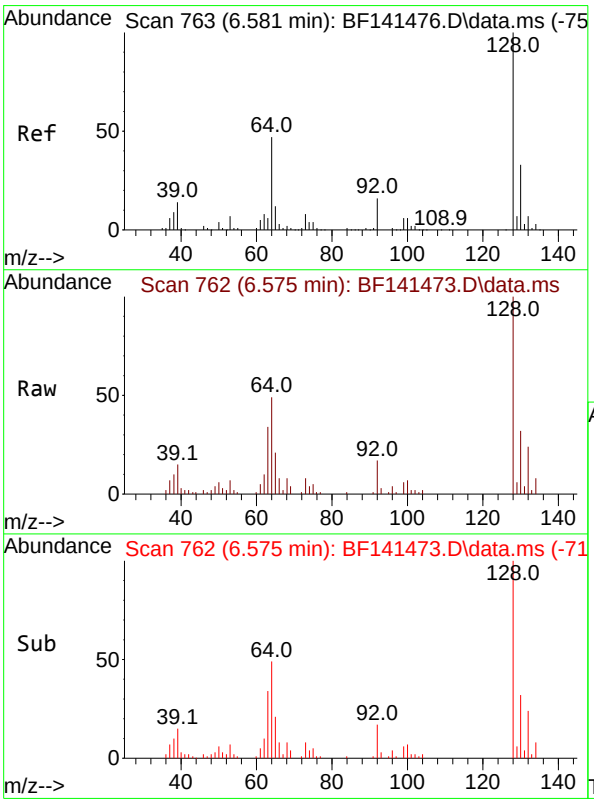
#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 72376

Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	37.7	31.1	46.7

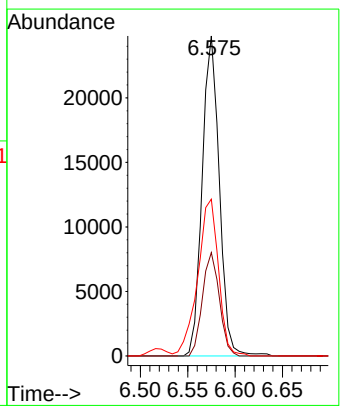


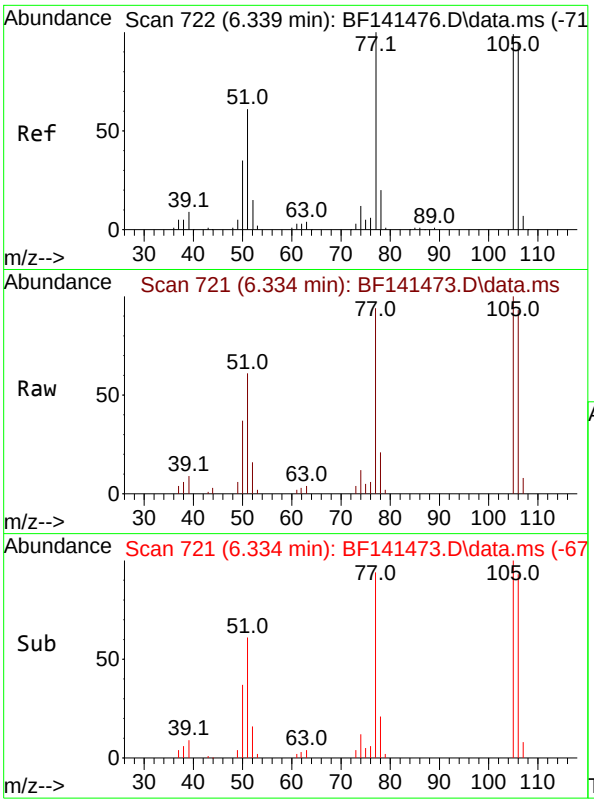


#8
2-Chlorophenol
Concen: 5.074 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:128 Resp: 31263

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	49.0	28.3	68.3



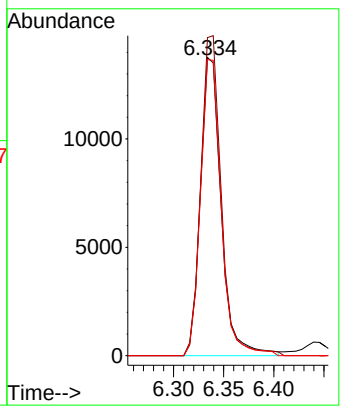


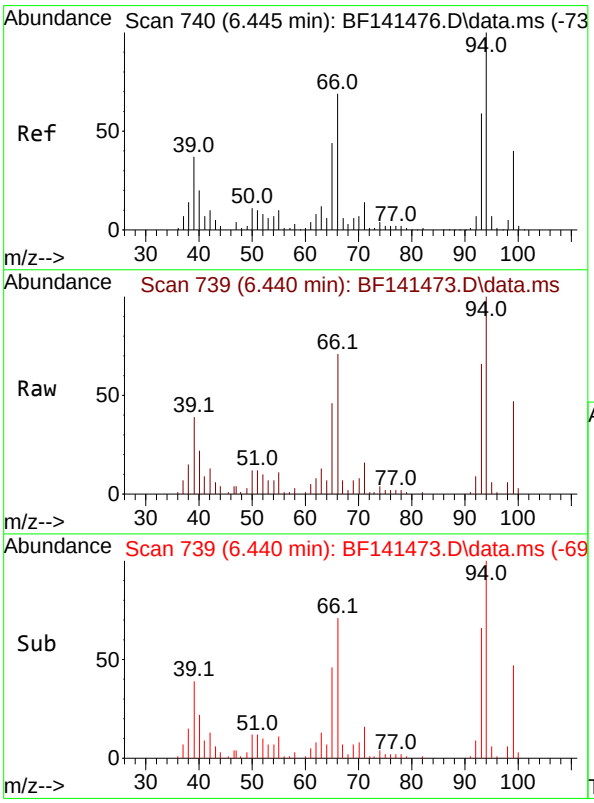
#9
Benzaldehyde
Concen: 5.207 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 19944

Ion	Ratio	Lower	Upper
77	100		
105	106.6	79.4	119.4
106	99.2	75.1	115.1

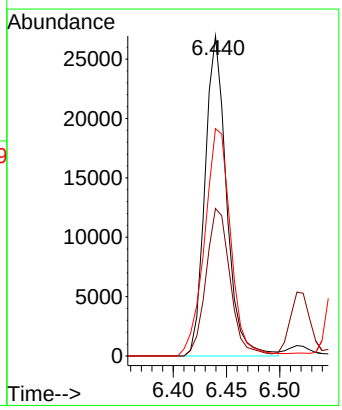


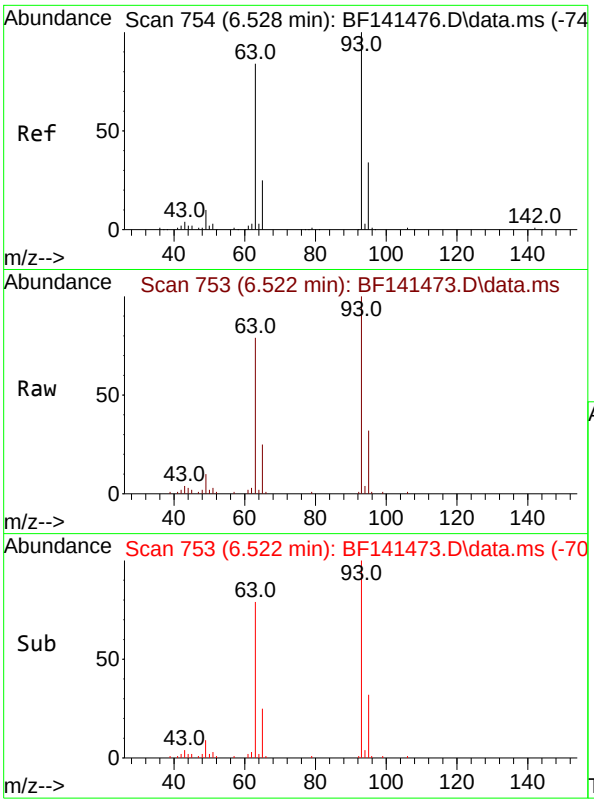


#10
Phenol
Concen: 5.044 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 94 Resp: 37833

Ion	Ratio	Lower	Upper
94	100		
65	46.1	23.7	63.7
66	71.1	49.3	89.3



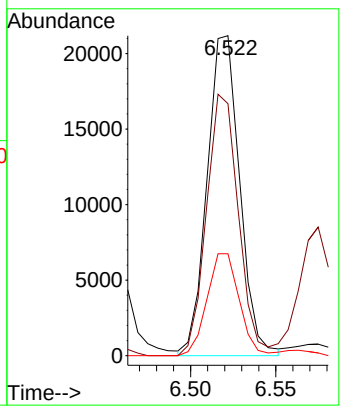


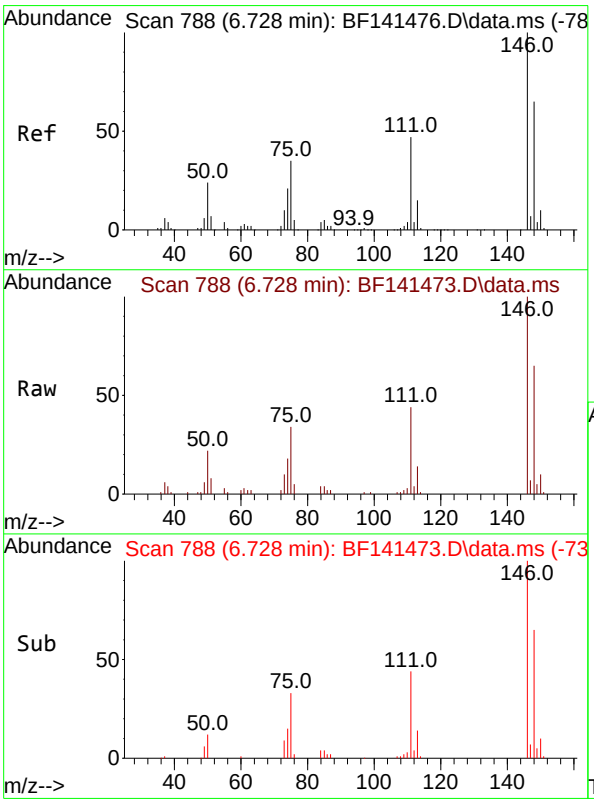
#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 28203

Ion	Ratio	Lower	Upper
93	100		
63	78.7	62.0	102.0
95	31.9	12.6	52.6

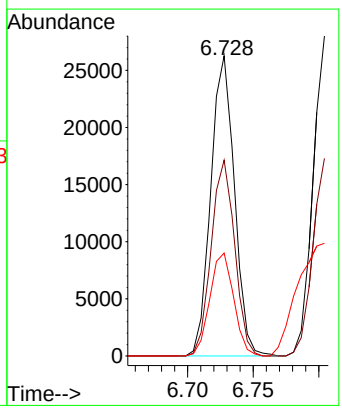


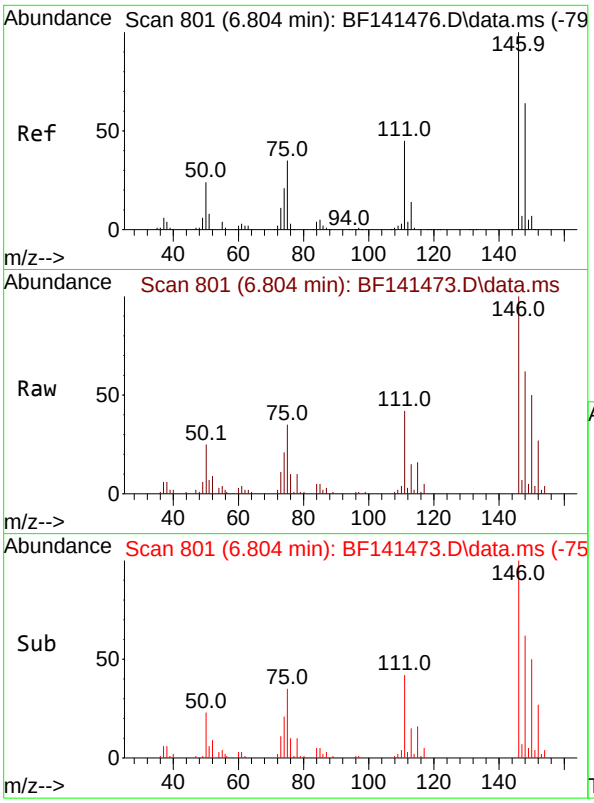


#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:146 Resp: 32913

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	34.3	28.2	42.2



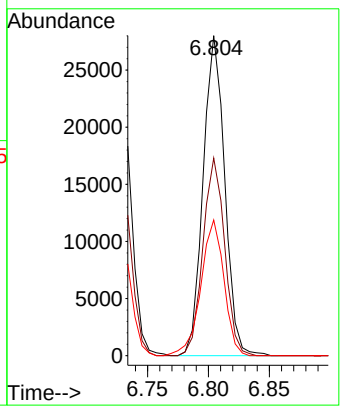


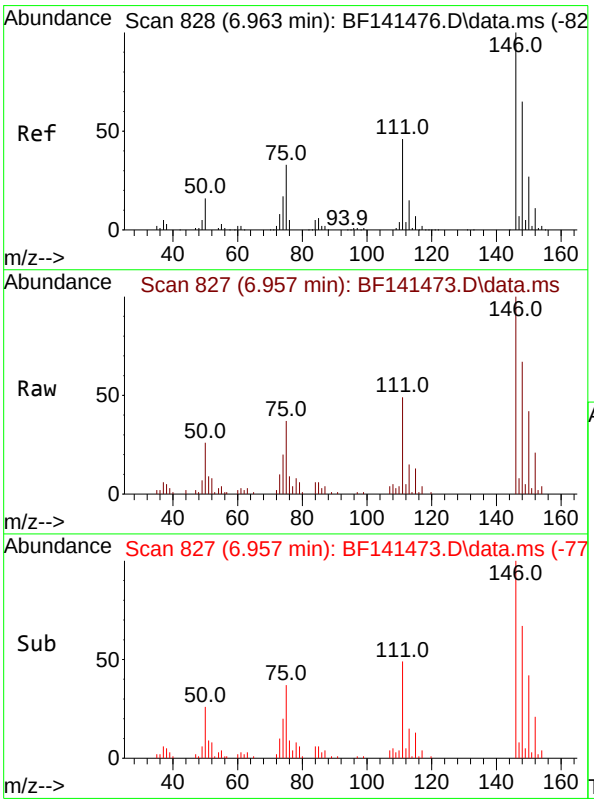
#13
1,4-Dichlorobenzene
Concen: 5.199 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 34555

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.9	76.3
111	42.4	35.9	53.9

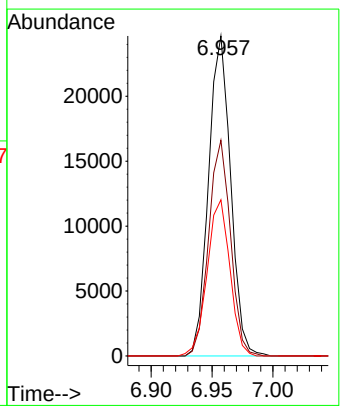


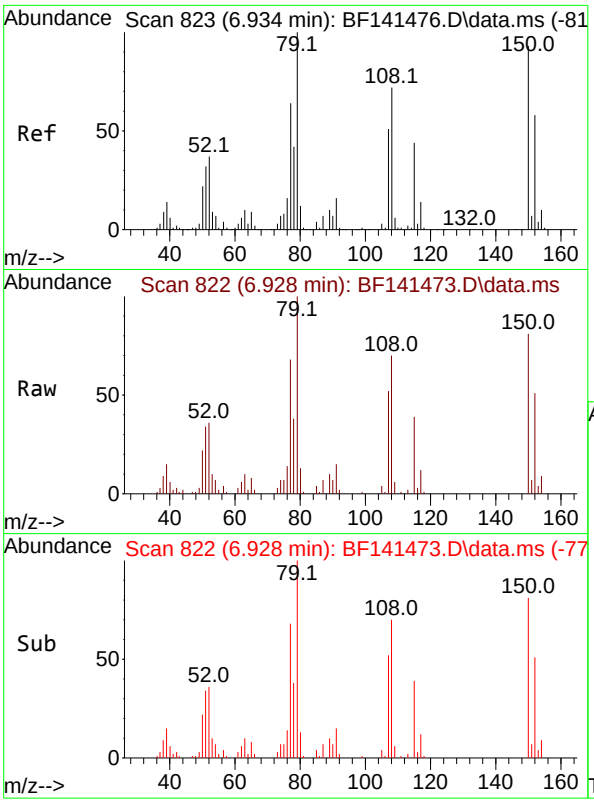


#14
1,2-Dichlorobenzene
Concen: 5.049 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:146 Resp: 31141

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.8	77.6
111	48.8	37.0	55.4



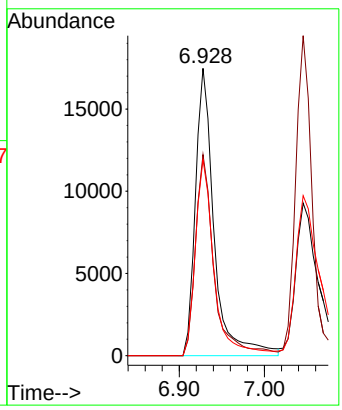


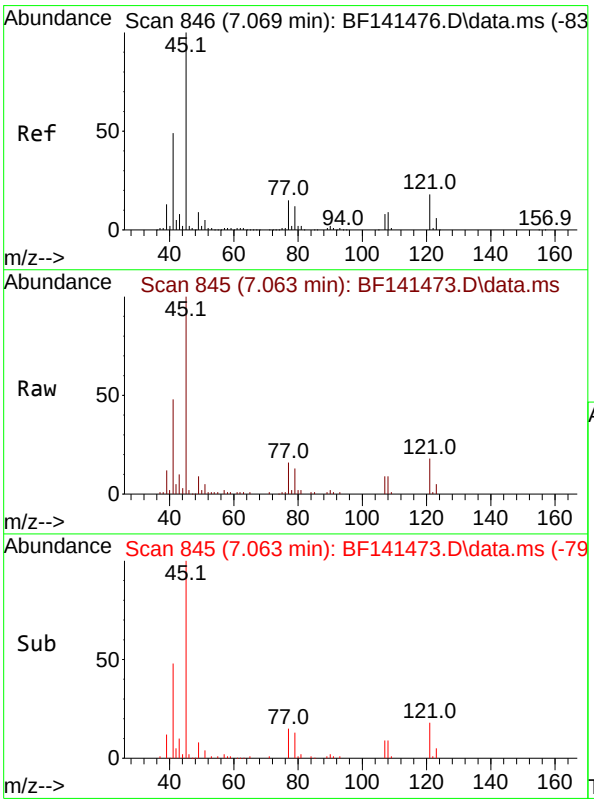
#15
Benzyl Alcohol
Concen: 4.815 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 26612

Ion	Ratio	Lower	Upper
79	100		
108	70.0	57.4	86.2
77	68.2	50.9	76.3

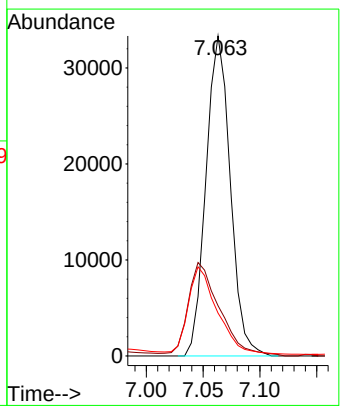


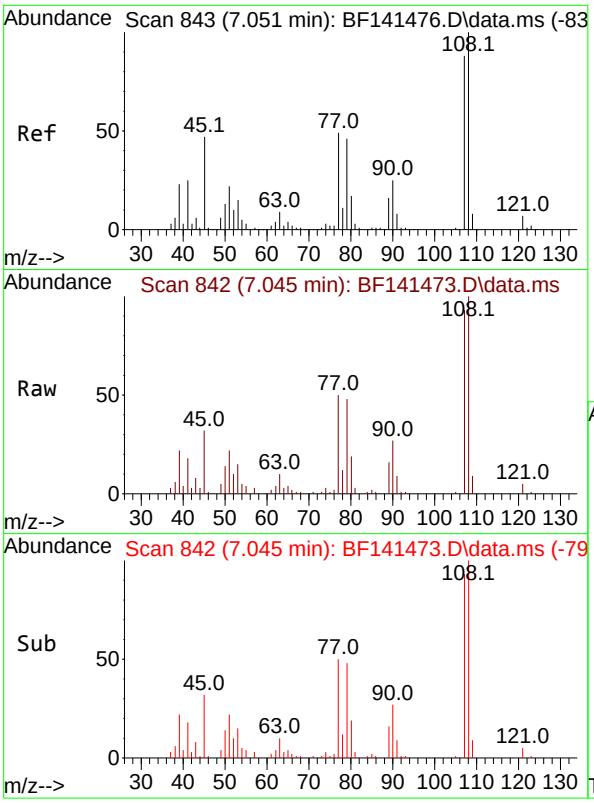


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.150 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 45 Resp: 49667

Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	35.8
79	13.4	0.0	32.7



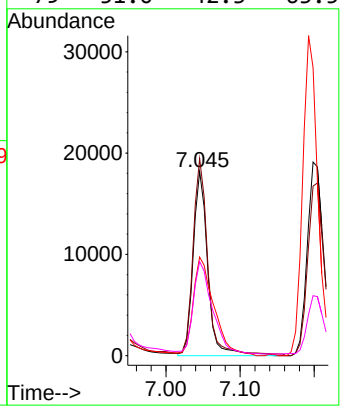


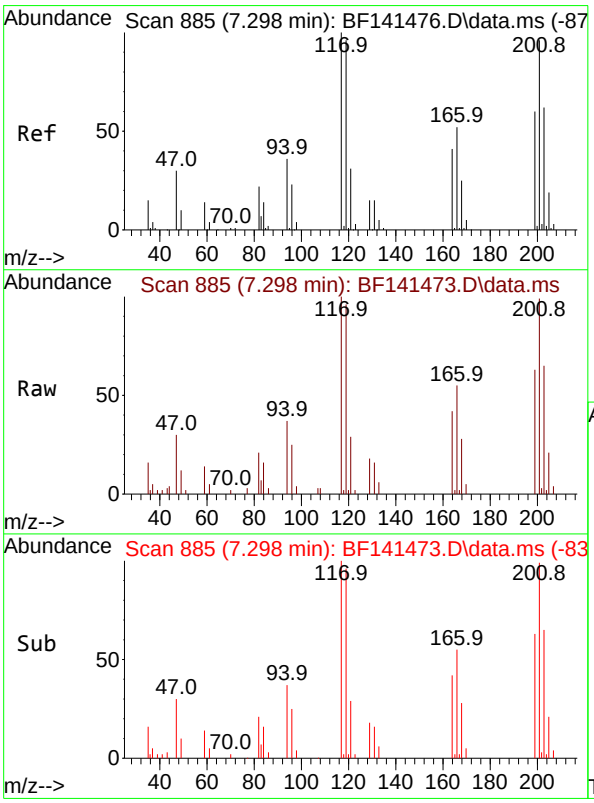
#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 24939

Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.6	136.0
77	53.5	44.4	66.6
79	51.0	42.3	63.5

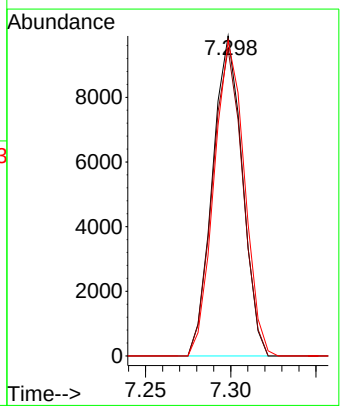


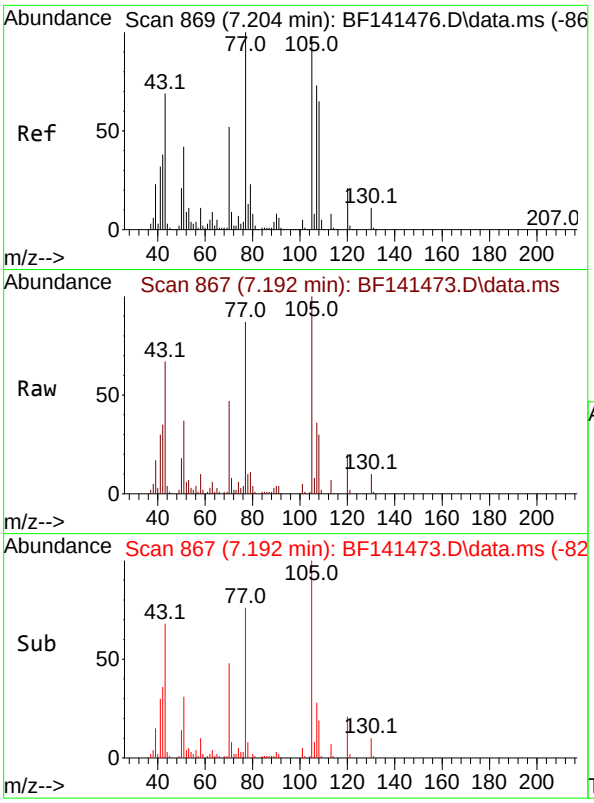


#18
Hexachloroethane
Concen: 4.896 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:117 Resp: 12043

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.5	114.7
201	98.5	76.7	115.1



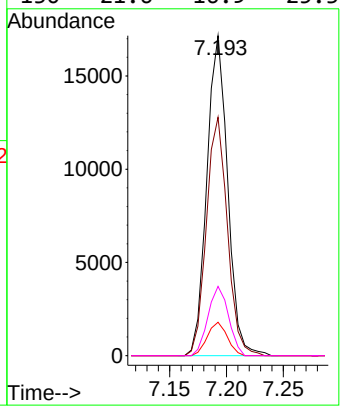


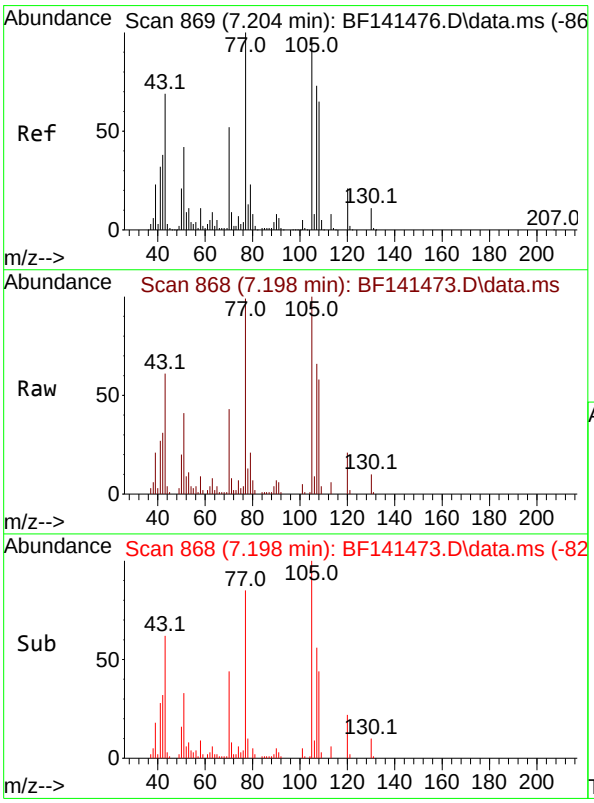
#19
n-Nitroso-di-n-propylamine
Concen: 5.072 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 21865

Ion	Ratio	Lower	Upper
70	100		
42	74.5	57.4	86.2
101	10.5	8.0	12.0
130	21.6	16.9	25.3

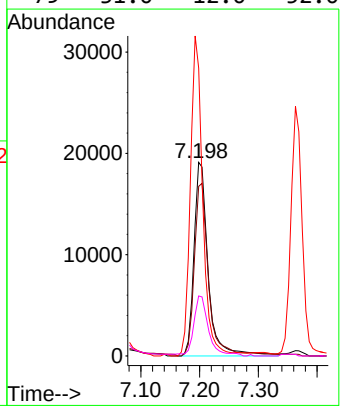


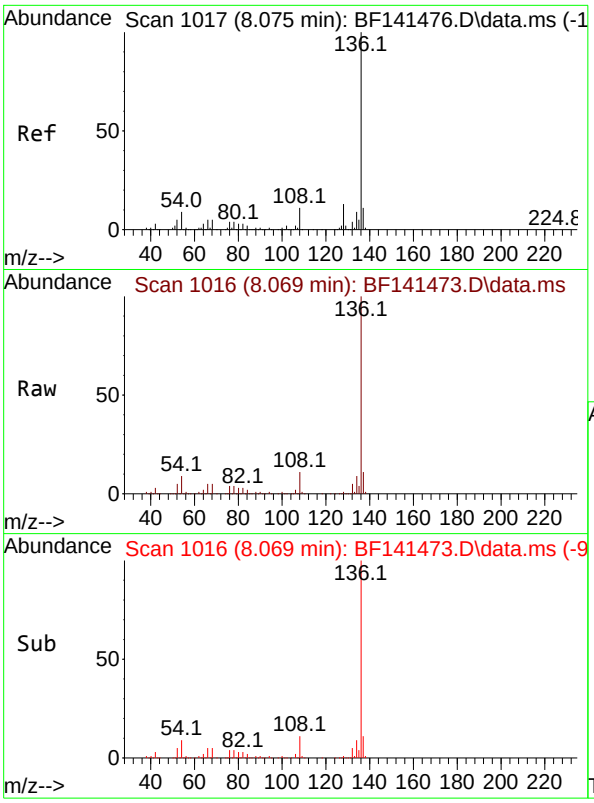


#20
3+4-Methylphenols
Concen: 5.258 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:107 Resp: 32221

Ion	Ratio	Lower	Upper
107	100		
108	87.6	68.5	108.5
77	148.7	116.5	156.5
79	31.0	12.0	52.0



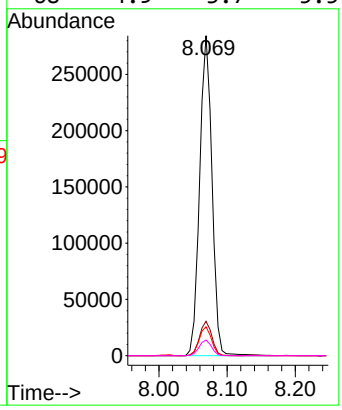


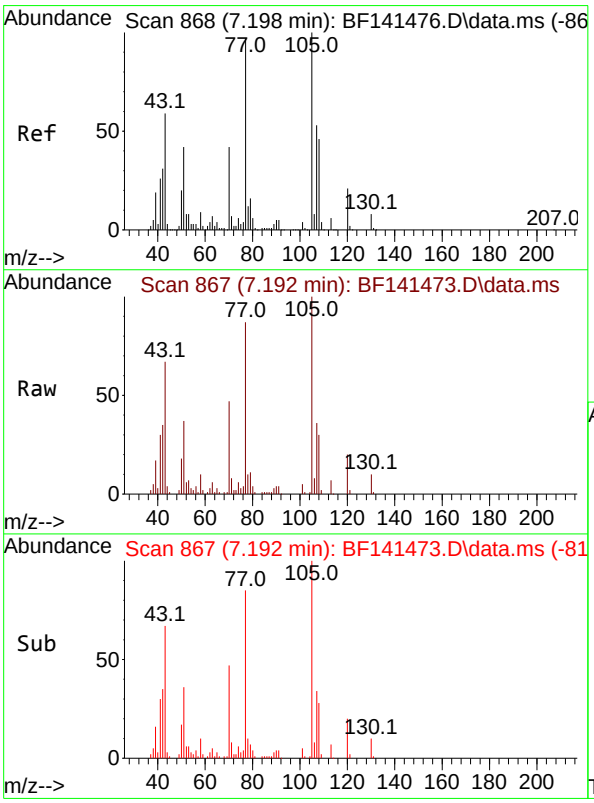
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 358966

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.2	10.8
68	4.9	3.7	5.5

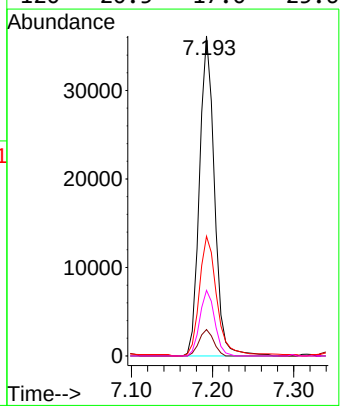


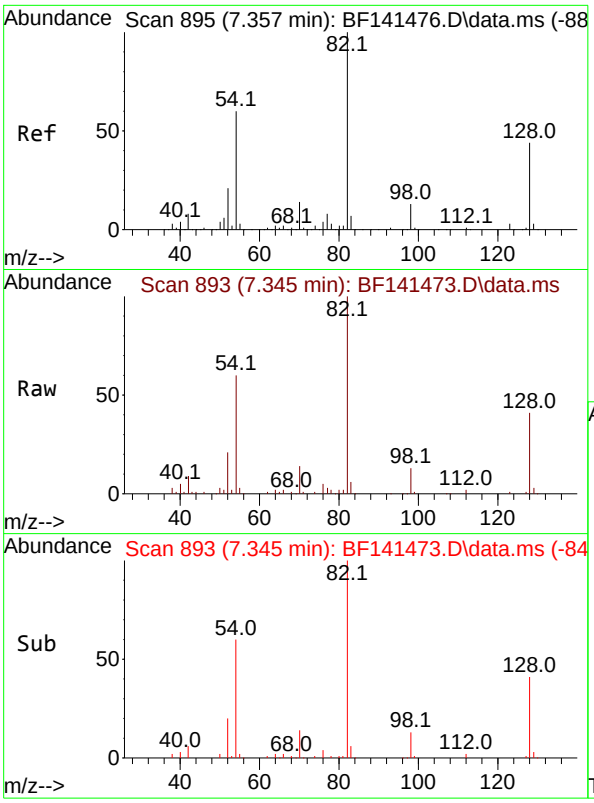


#22
Acetophenone
Concen: 5.201 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:105 Resp: 46441

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.7	8.5
51	37.4	33.7	50.5
120	20.5	17.0	25.6



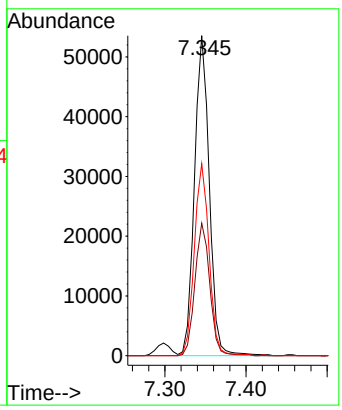


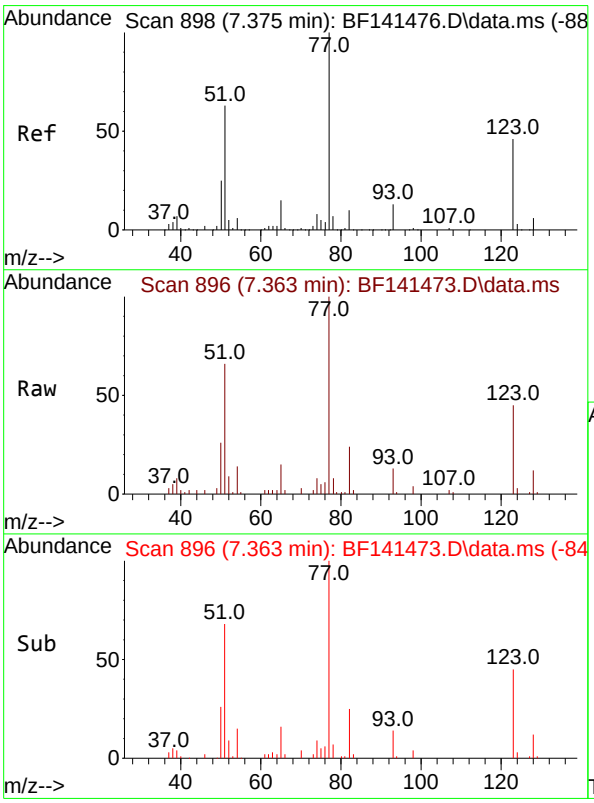
#23
Nitrobenzene-d5
Concen: 9.918 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 68257

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.8	52.2
54	60.0	48.2	72.4

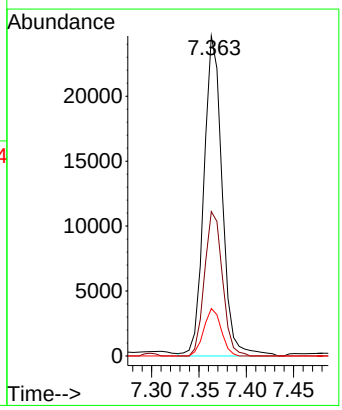


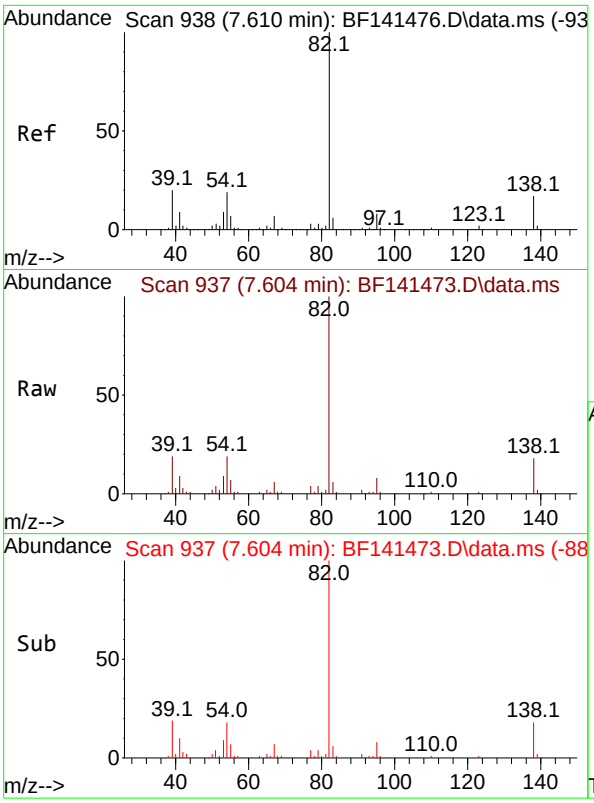


#24
Nitrobenzene
Concen: 4.943 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 33173

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.9	55.3
65	14.8	11.9	17.9



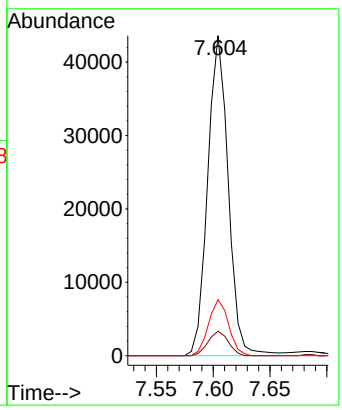


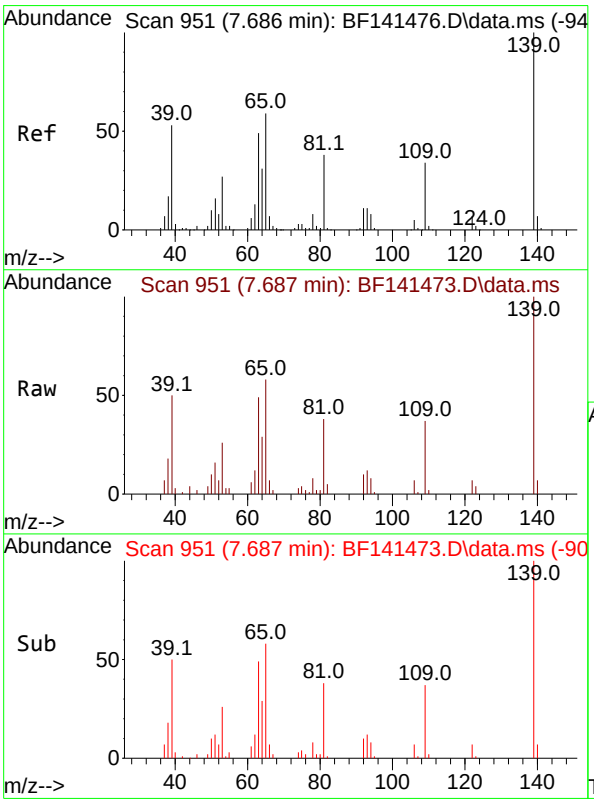
#25
Isophorone
Concen: 4.993 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 54796

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	17.5	13.9	20.9

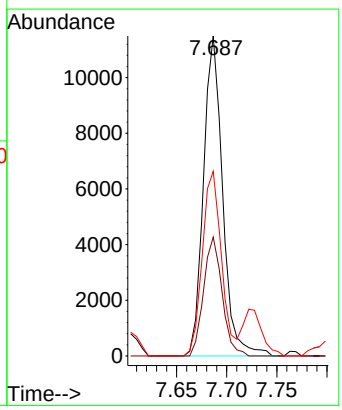


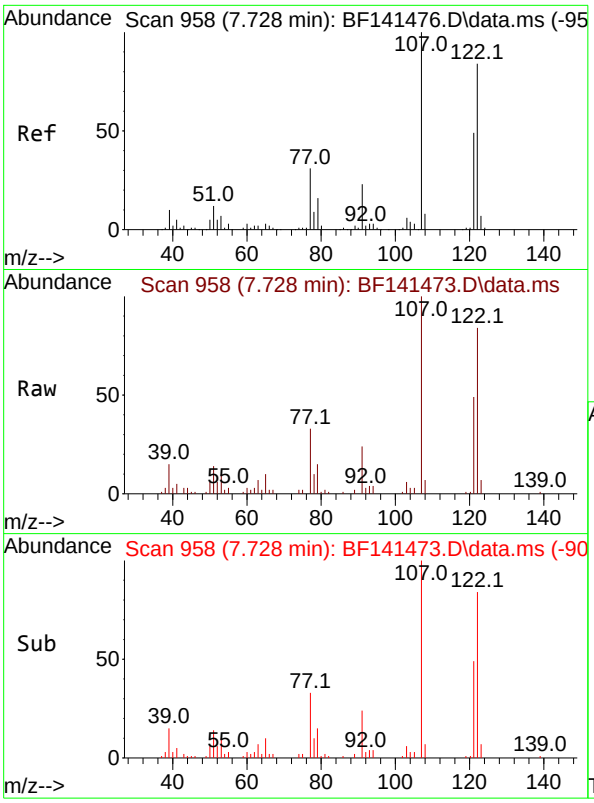


#26
2-Nitrophenol
Concen: 4.592 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:139 Resp: 15331

Ion	Ratio	Lower	Upper
139	100		
109	37.1	27.0	40.6
65	57.7	47.1	70.7



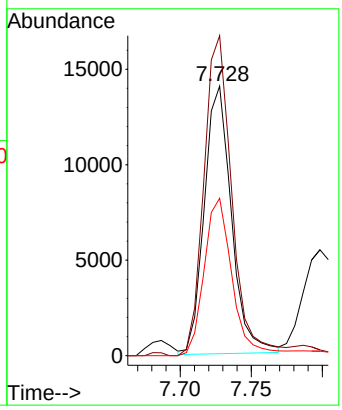


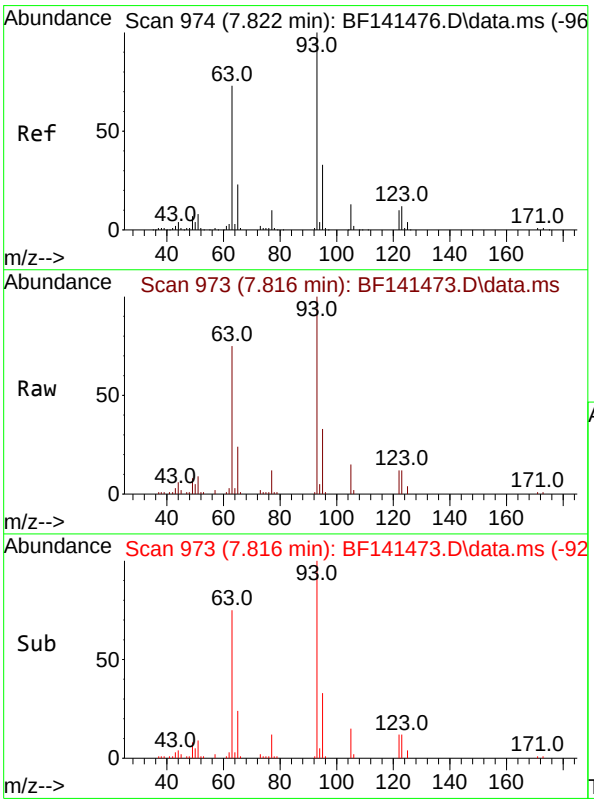
#27
2,4-Dimethylphenol
Concen: 4.784 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 18659

Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.4	46.0	69.0

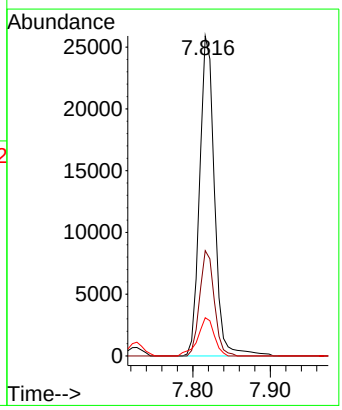


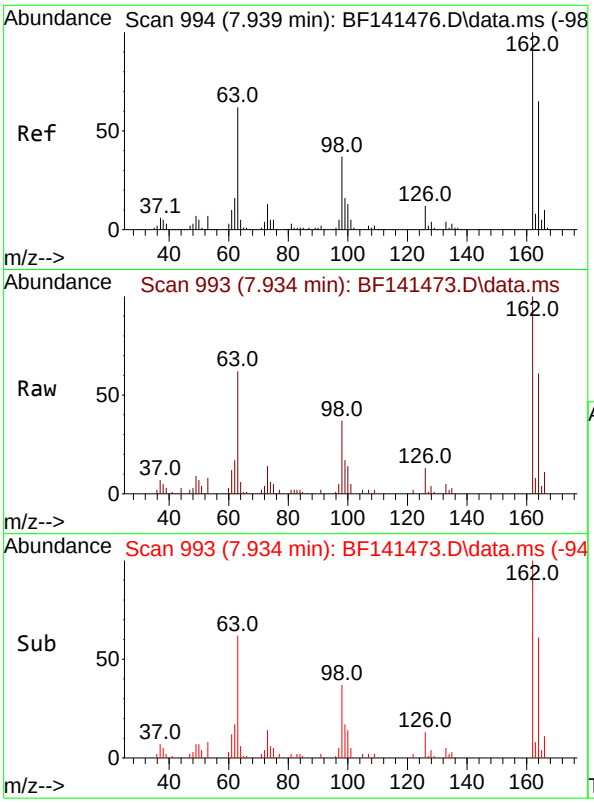


#28
bis(2-Chloroethoxy)methane
Concen: 4.902 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 93 Resp: 34469

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	12.0	9.5	14.3



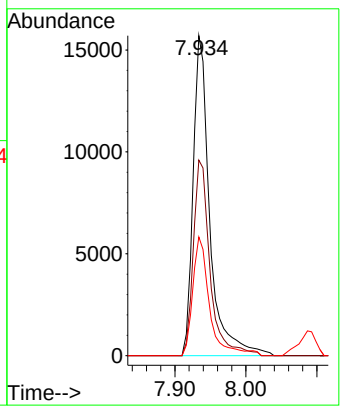


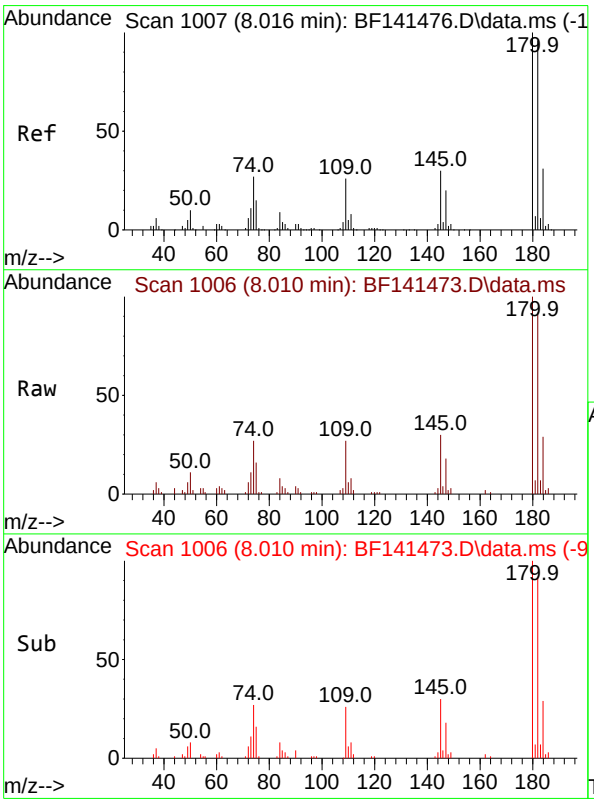
#29
2,4-Dichlorophenol
Concen: 4.870 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 25667

Ion	Ratio	Lower	Upper
162	100		
164	61.1	44.6	84.6
98	37.1	17.2	57.2

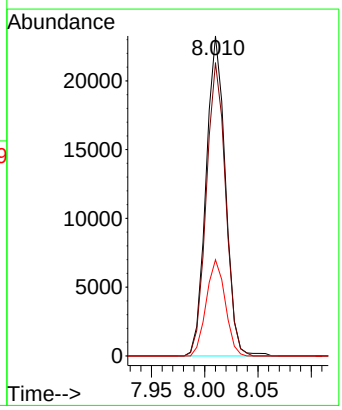


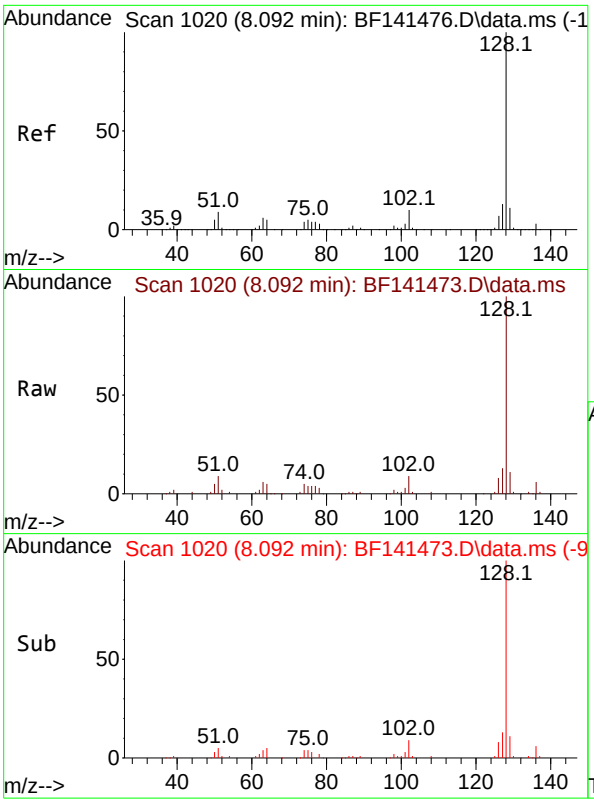


#30
1,2,4-Trichlorobenzene
Concen: 5.109 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:180 Resp: 29321

Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.8	115.2
145	30.0	24.2	36.4



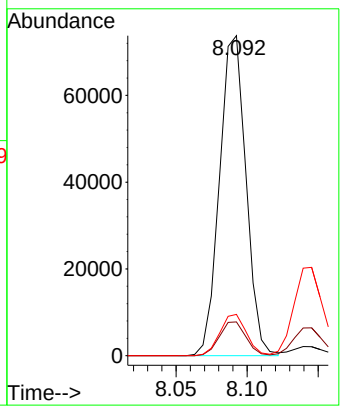


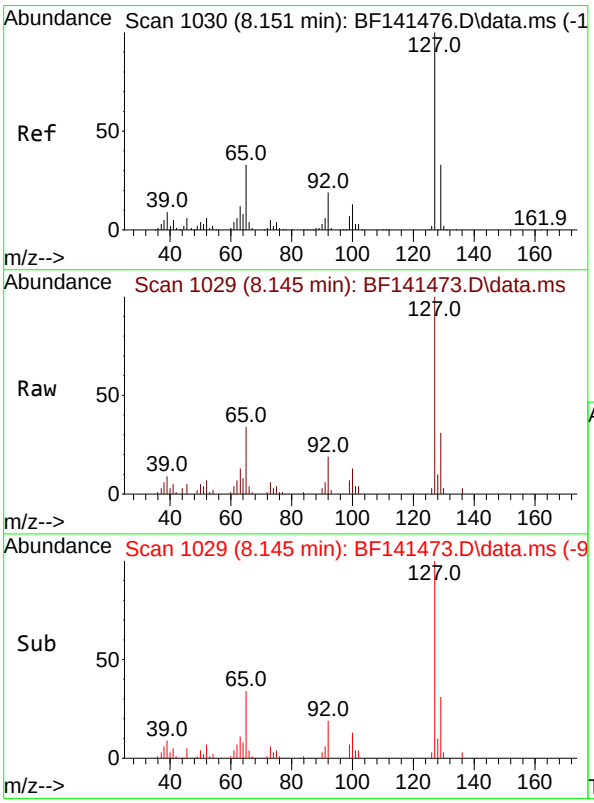
#31
Naphthalene
Concen: 5.123 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 95730

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.9	10.7	16.1

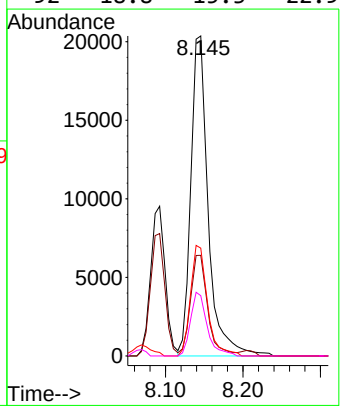


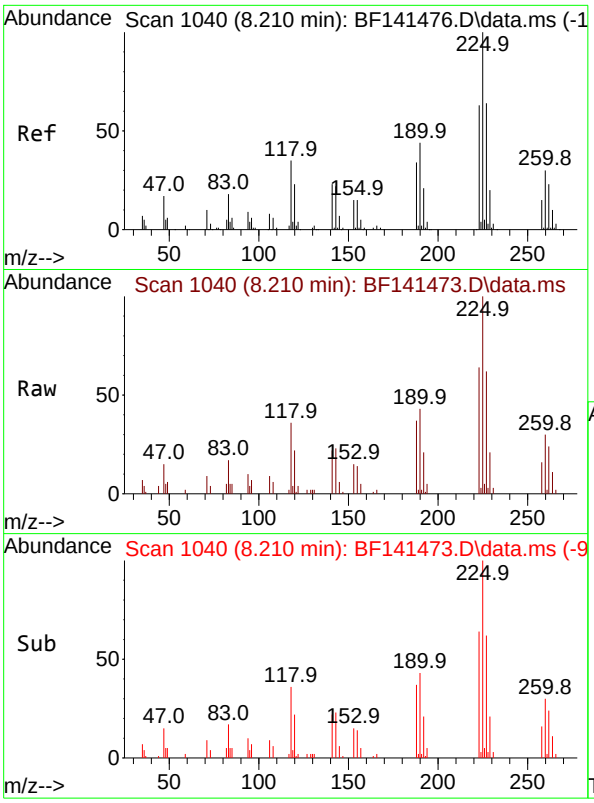


#33
4-Chloroaniline
Concen: 4.864 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:127 Resp: 31729

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.5	39.7
65	33.7	26.4	39.6
92	18.8	15.3	22.9



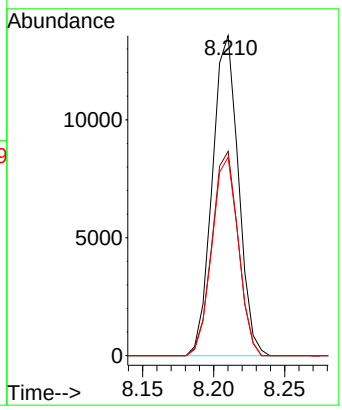


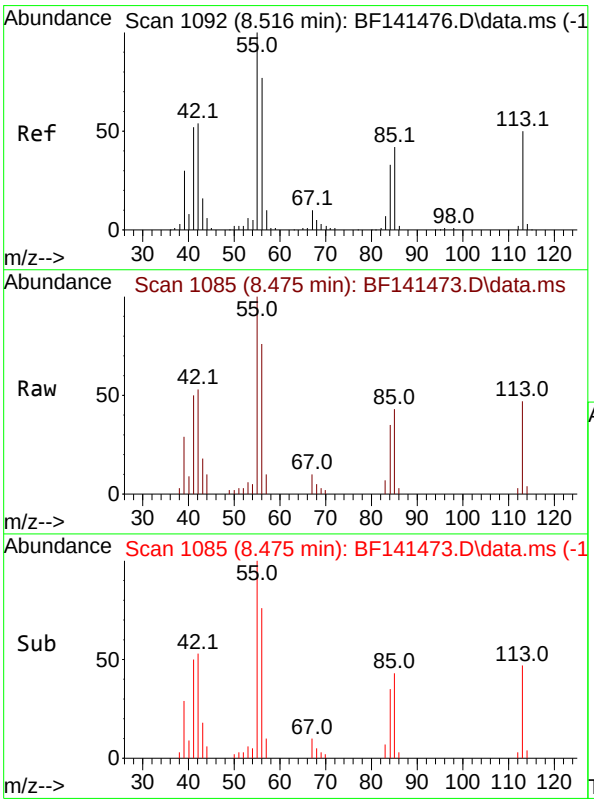
#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 17323

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.1	75.1
227	62.0	51.0	76.6

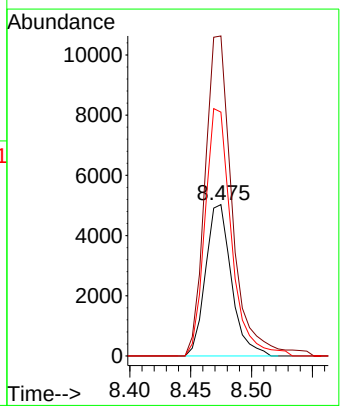


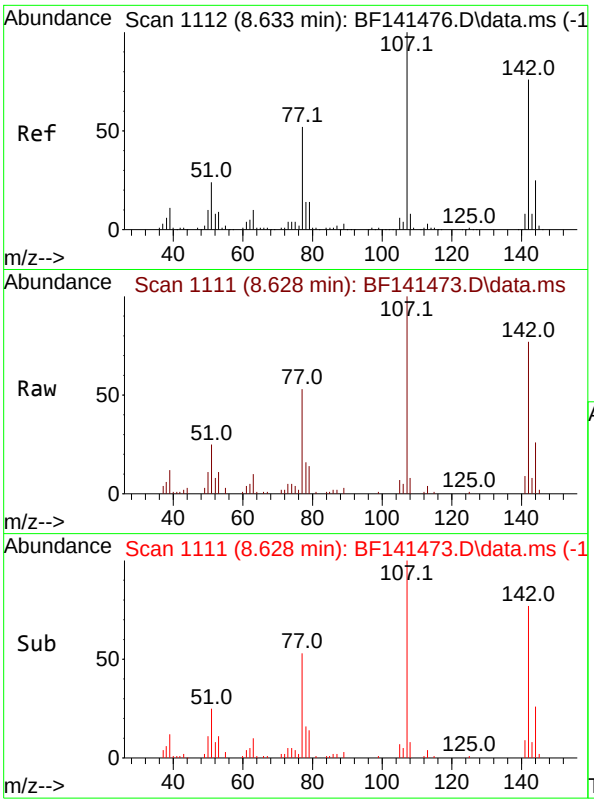


#35
Caprolactam
Concen: 4.635 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.070 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:113 Resp: 7437

Ion	Ratio	Lower	Upper
113	100		
55	211.4	180.8	220.8
56	161.1	133.6	173.6



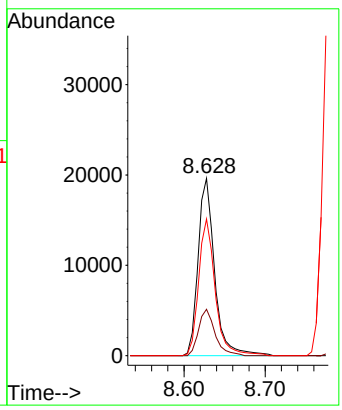


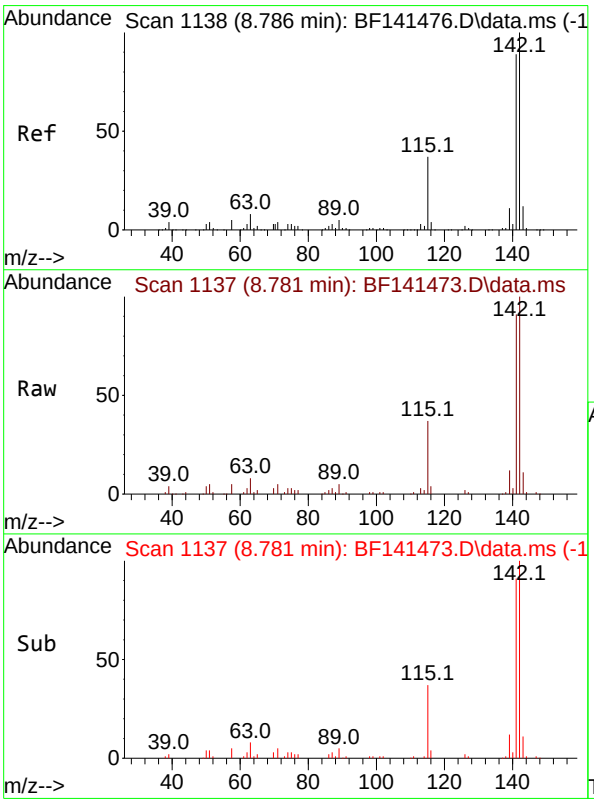
#36
4-Chloro-3-methylphenol
Concen: 4.765 ng
RT: 8.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 27818

Ion	Ratio	Lower	Upper
107	100		
144	26.2	19.7	29.5
142	77.1	60.8	91.2

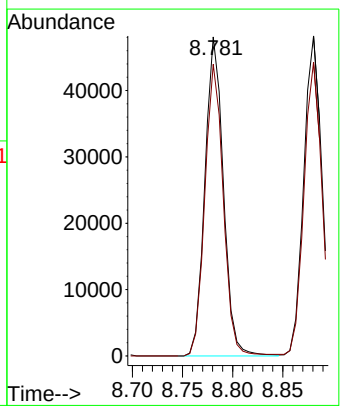


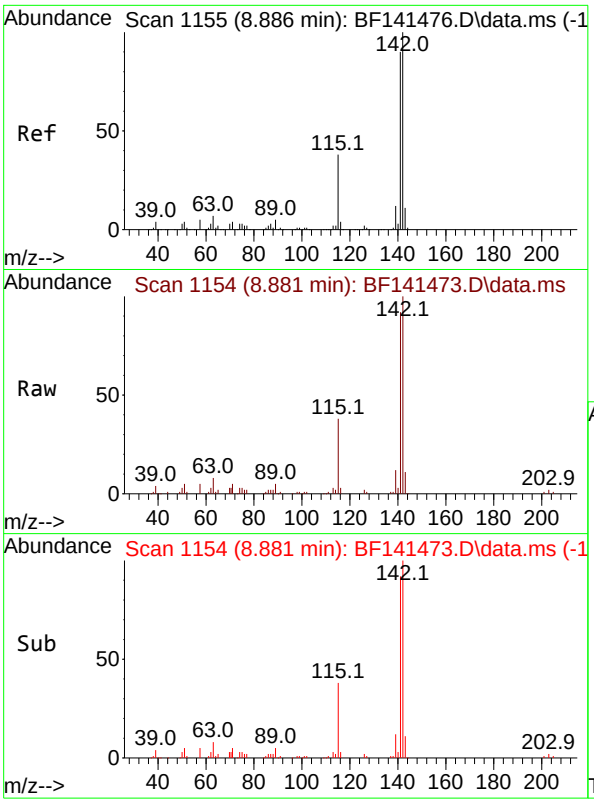


#37
2-Methylnaphthalene
Concen: 5.078 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:142 Resp: 61742

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.2	106.8



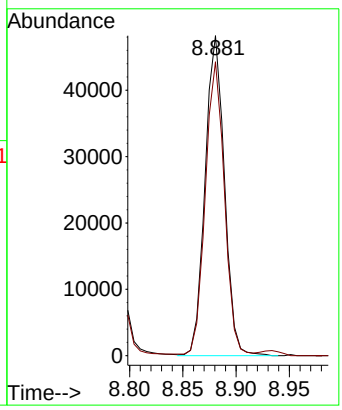


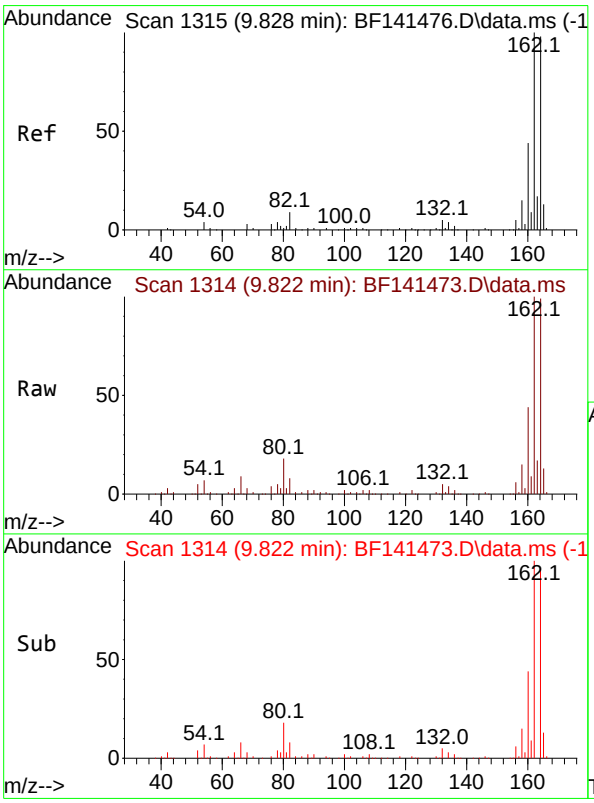
#38
1-Methylnaphthalene
Concen: 5.182 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 61026

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.1	108.1

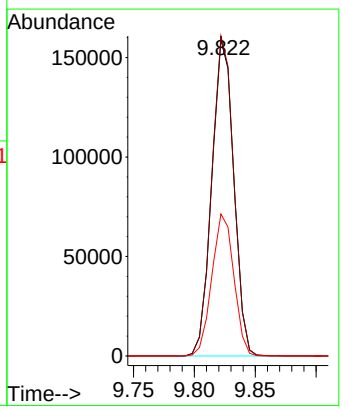


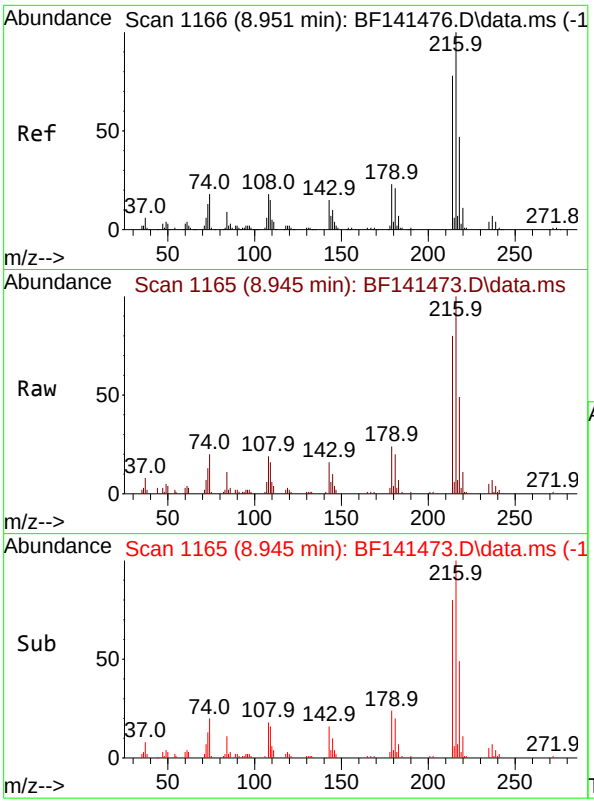


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:164 Resp: 199514

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	44.9	35.9	53.9



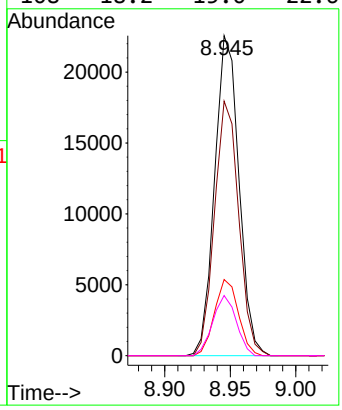


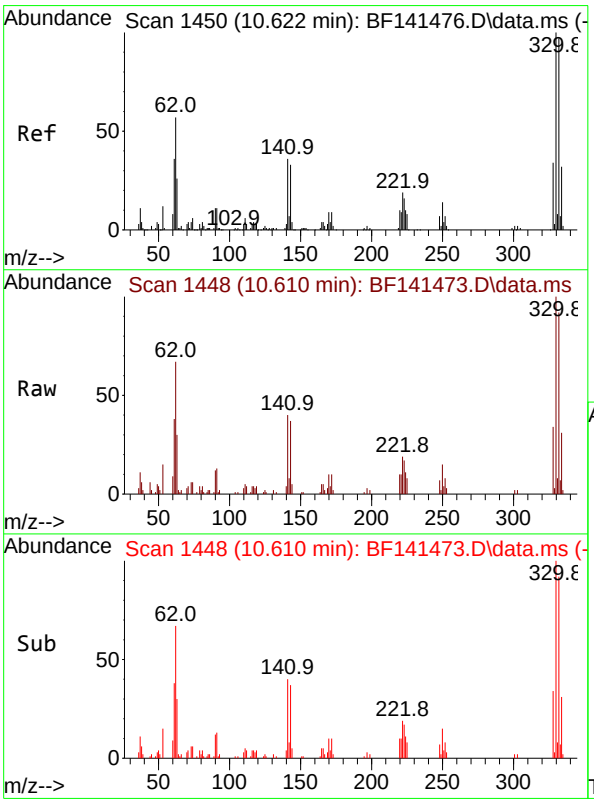
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.028 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 29023

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.3	93.5
179	23.4	18.0	27.0
108	18.2	15.0	22.6

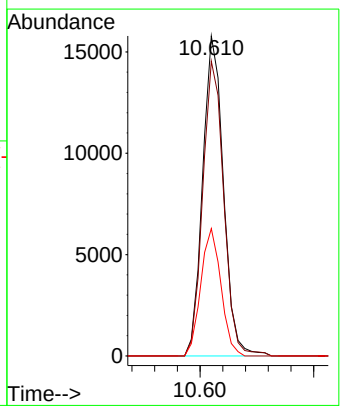


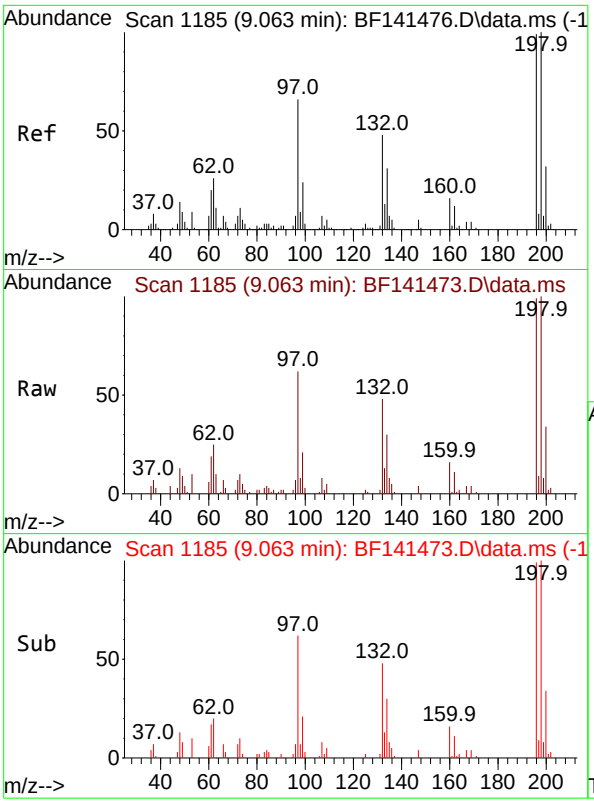


#42
2,4,6-Tribromophenol
Concen: 10.009 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:330 Resp: 20060

Ion	Ratio	Lower	Upper
330	100		
332	92.9	78.5	117.7
141	38.7	31.0	46.4



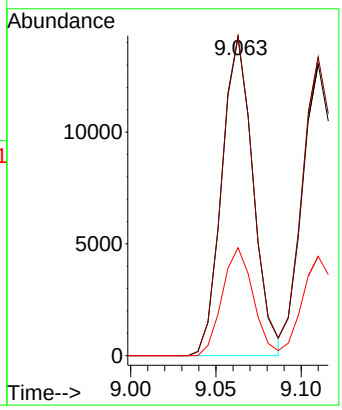


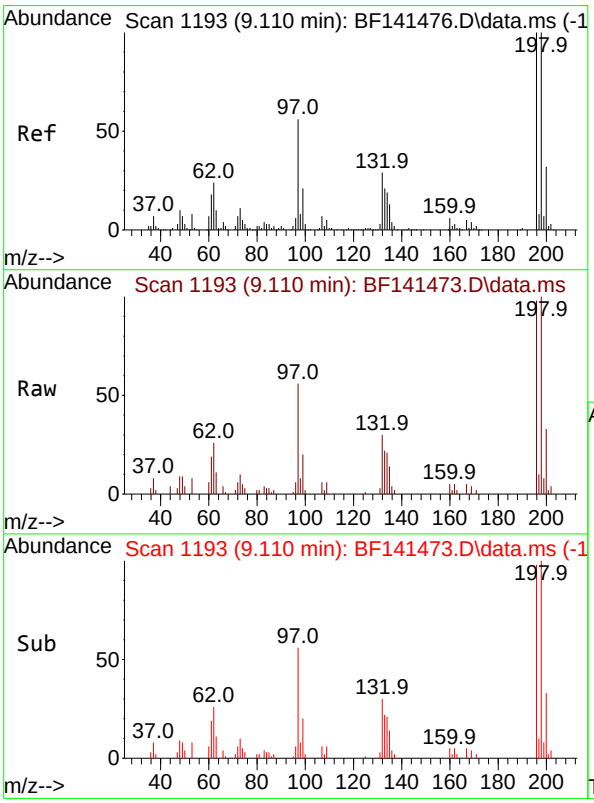
#43
2,4,6-Trichlorophenol
Concen: 4.863 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 18144

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.6	121.0
200	34.0	25.5	38.3

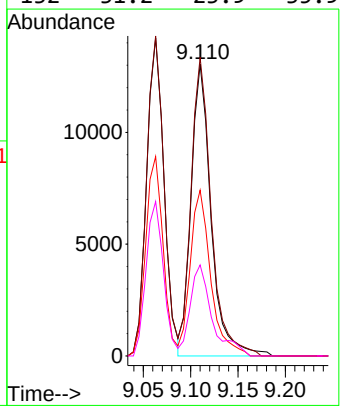


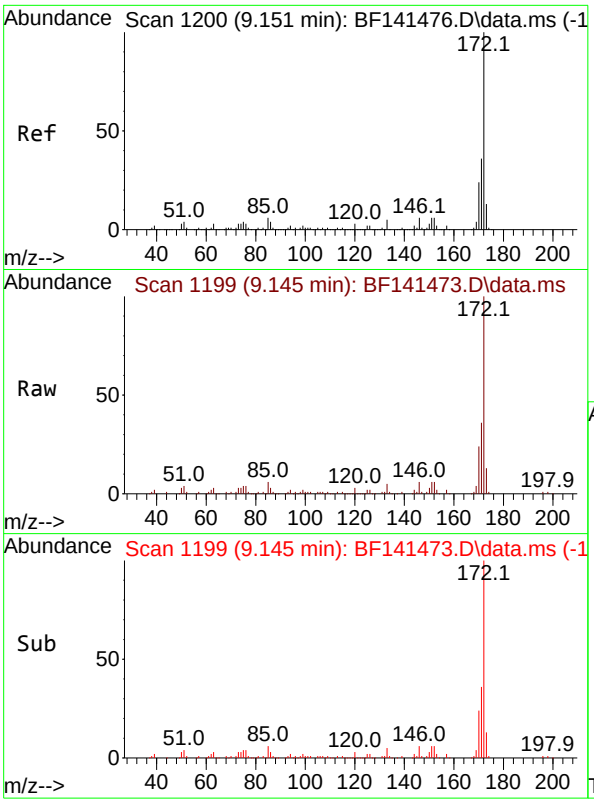


#44
2,4,5-Trichlorophenol
Concen: 4.750 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:196 Resp: 19204

Ion	Ratio	Lower	Upper
196	100		
198	102.3	79.8	119.8
97	56.8	44.8	67.2
132	31.2	23.9	35.9



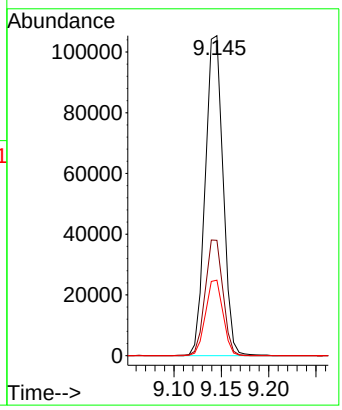


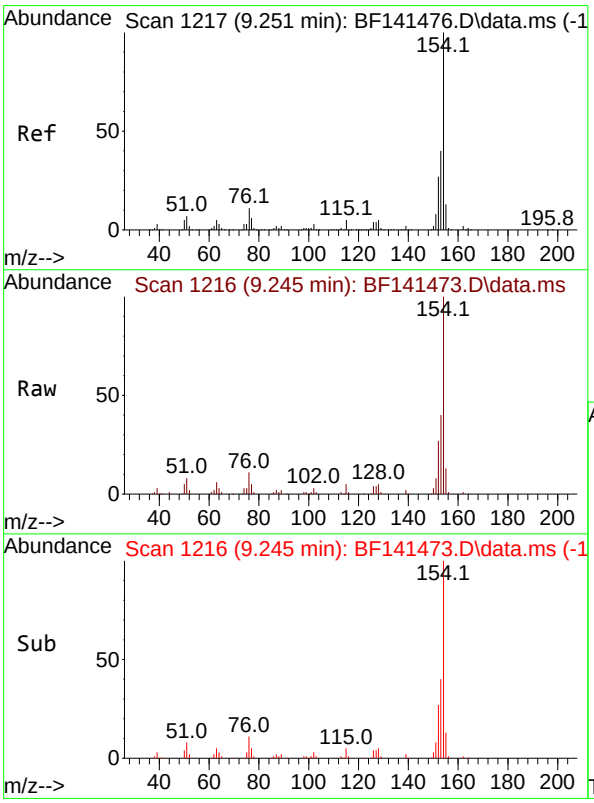
#45
2-Fluorobiphenyl
Concen: 10.573 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 136925

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.6	18.9	28.3

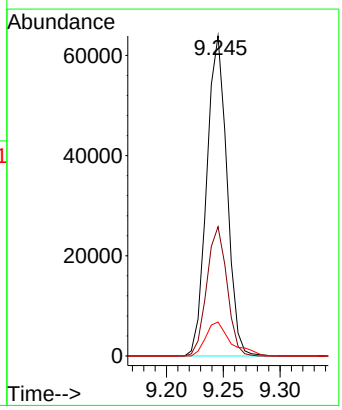


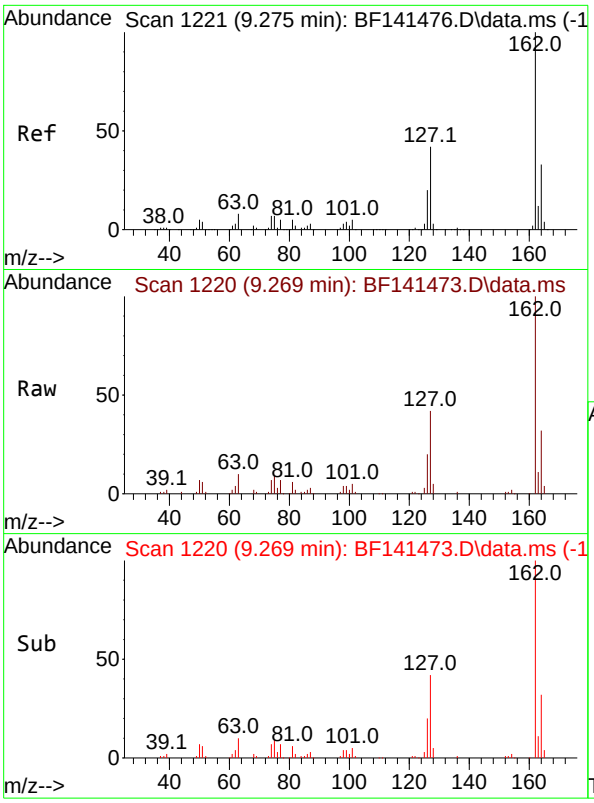


#46
1,1'-Biphenyl
Concen: 5.103 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:154 Resp: 78931

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.6	0.0	30.8



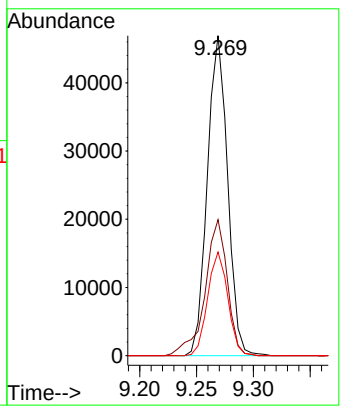


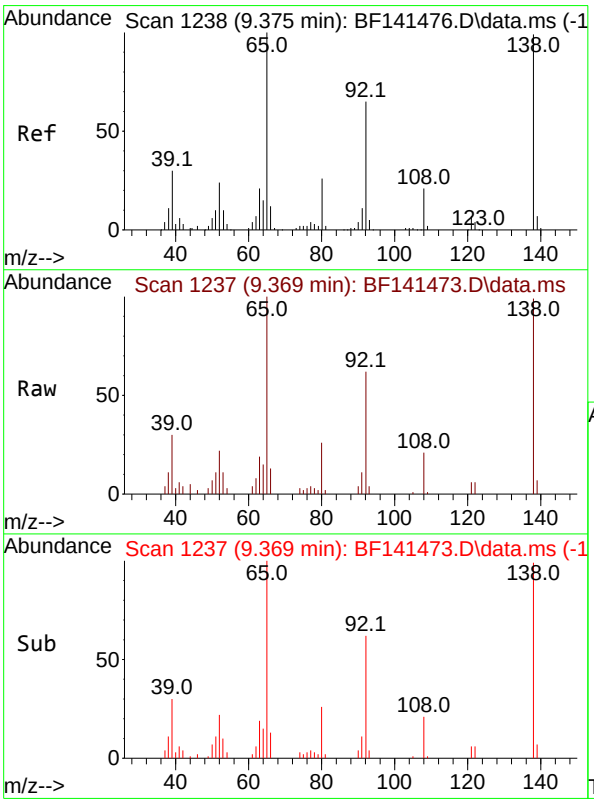
#47
2-Chloronaphthalene
Concen: 5.088 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 58201

Ion	Ratio	Lower	Upper
162	100		
127	42.5	34.1	51.1
164	32.4	26.3	39.5

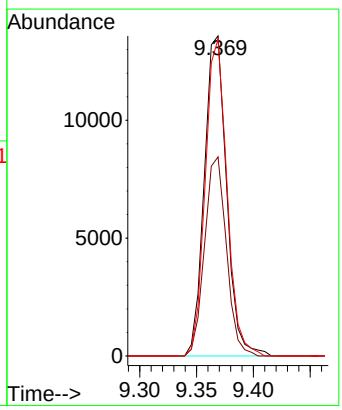


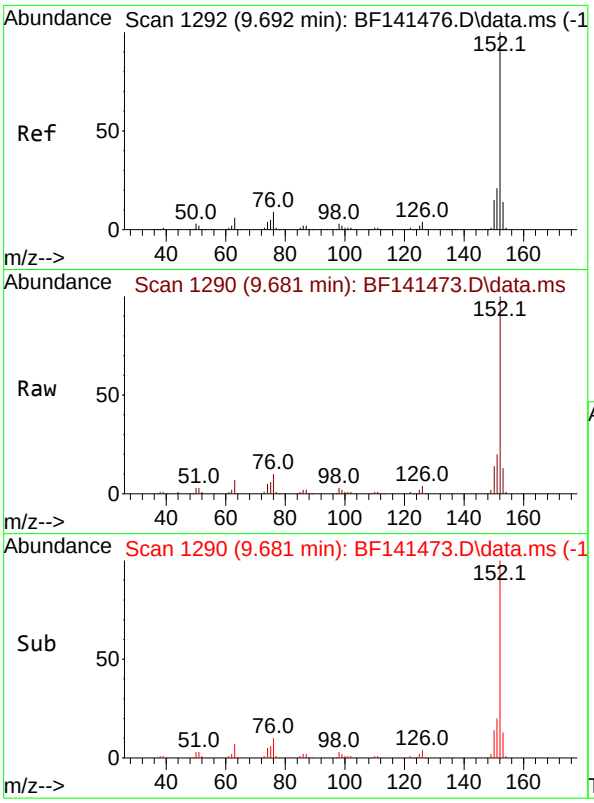


#48
2-Nitroaniline
Concen: 4.818 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 65 Resp: 18494

Ion	Ratio	Lower	Upper
65	100		
92	62.2	52.2	78.2
138	99.0	79.5	119.3



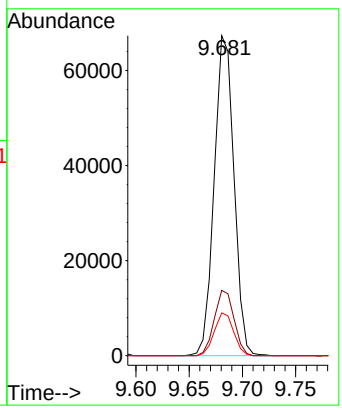


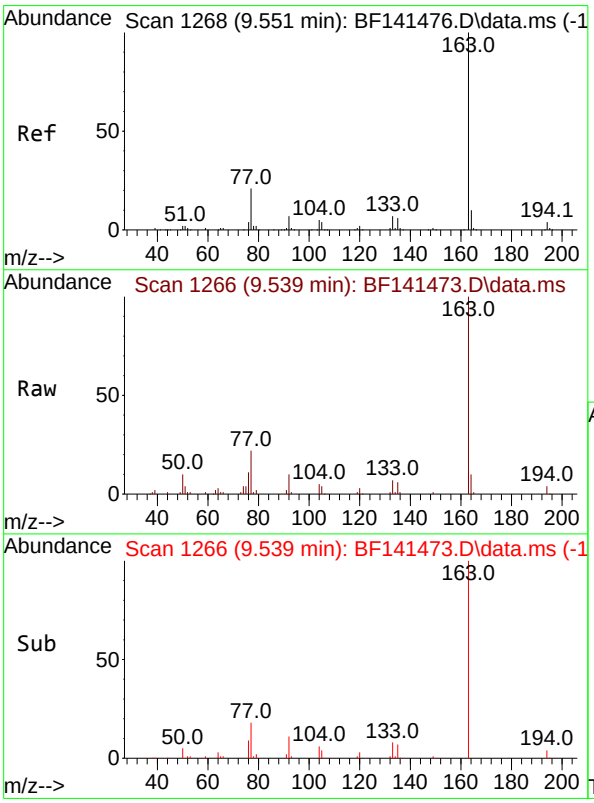
#49
Acenaphthylene
Concen: 5.097 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 86721

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.4	10.9	16.3

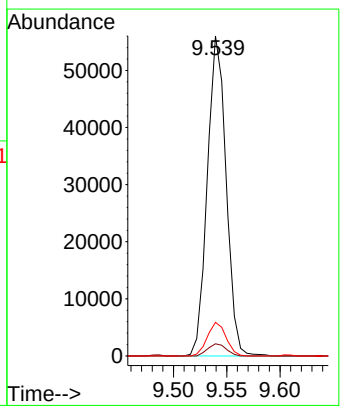


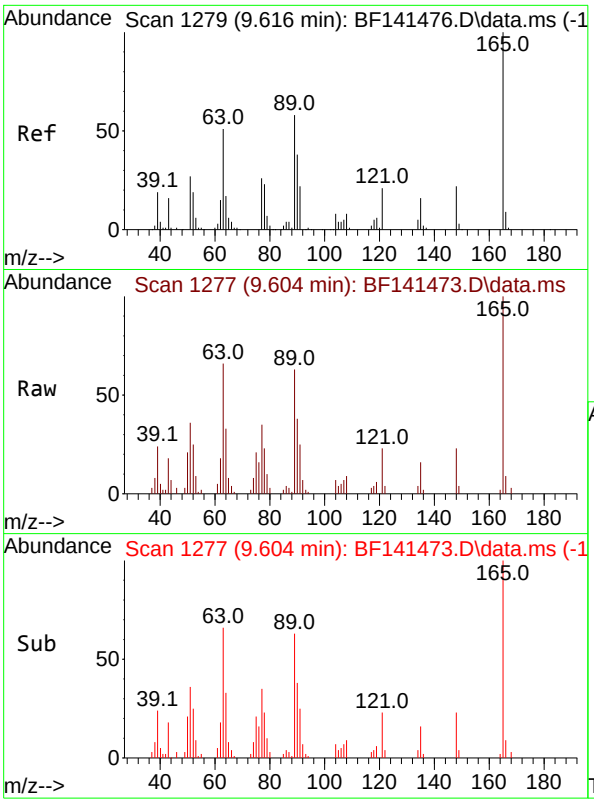


#50
Dimethylphthalate
Concen: 5.088 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:163 Resp: 68921

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.5	7.9	11.9



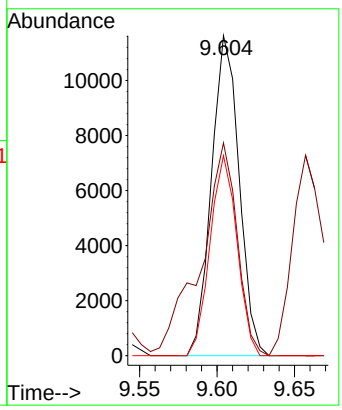


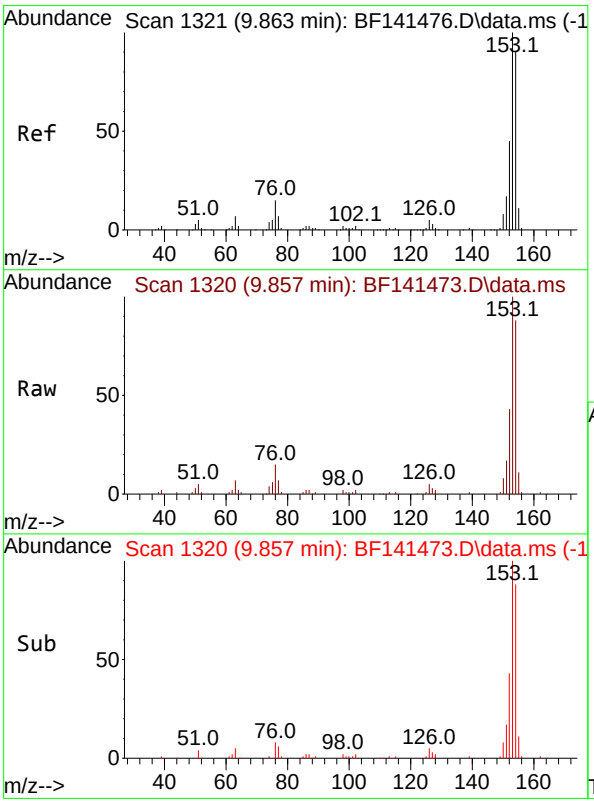
#51
2,6-Dinitrotoluene
Concen: 4.861 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 14394

Ion	Ratio	Lower	Upper
165	100		
63	66.5	49.4	74.0
89	62.5	46.5	69.7

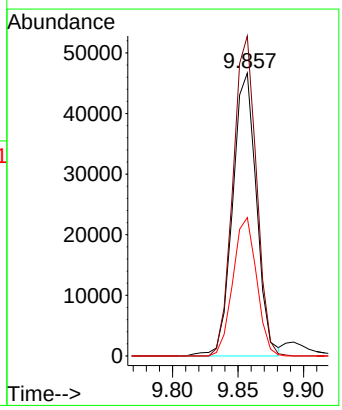


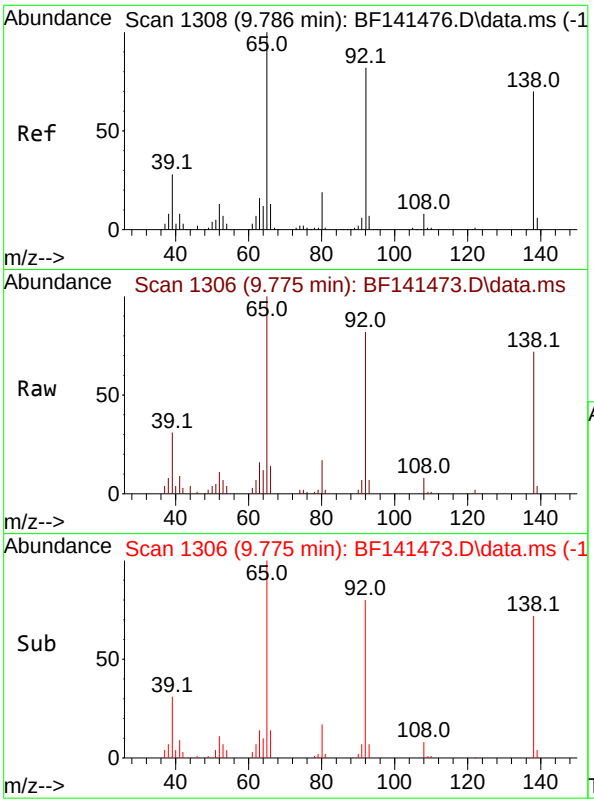


#52
Acenaphthene
Concen: 5.171 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:154 Resp: 59139

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.2	133.8
152	48.9	39.8	59.8



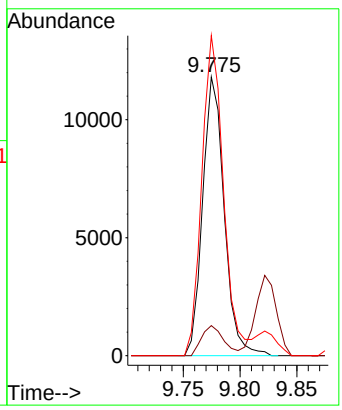


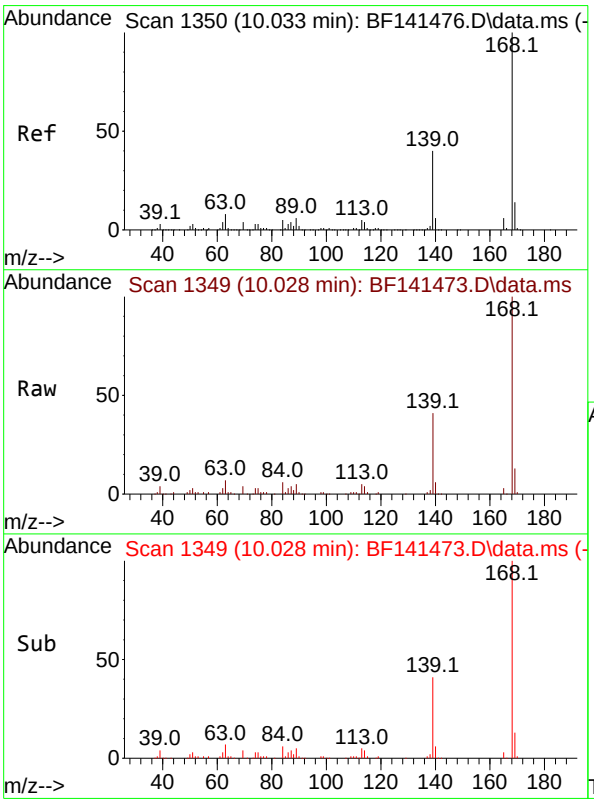
#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 15563

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	114.8	93.7	140.5

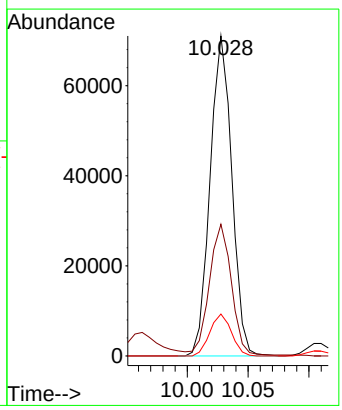


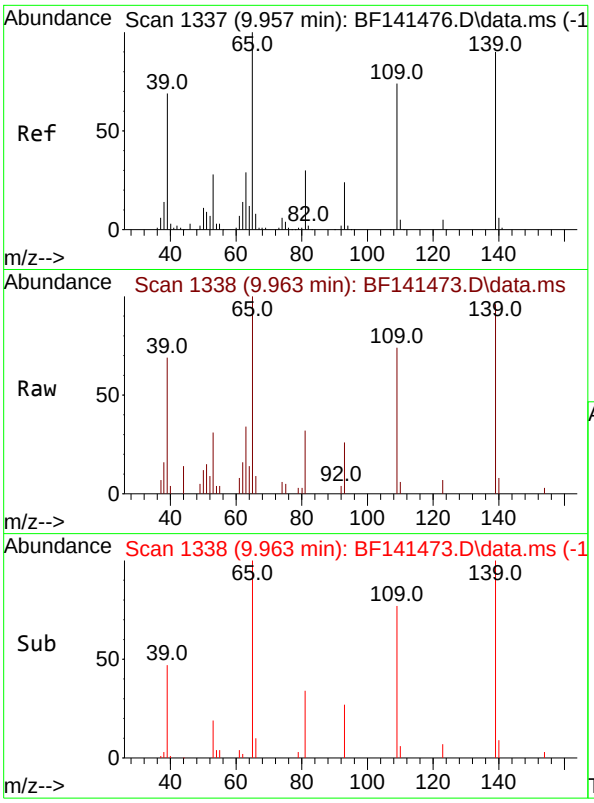


#55
Dibenzofuran
Concen: 5.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:168 Resp: 88178

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.7	49.1
169	13.1	10.8	16.2



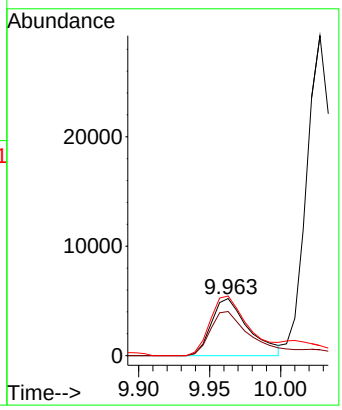


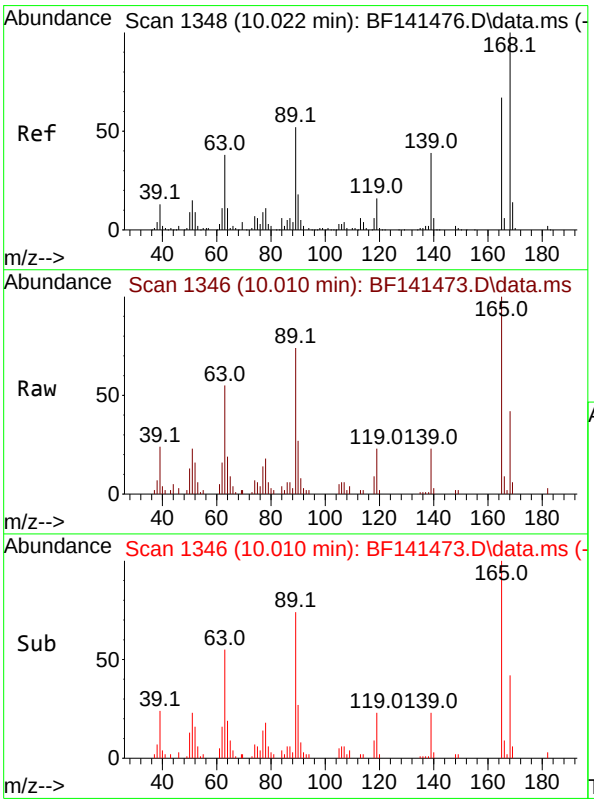
#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 9482

Ion	Ratio	Lower	Upper
139	100		
109	77.2	62.0	102.0
65	104.4	91.2	131.2

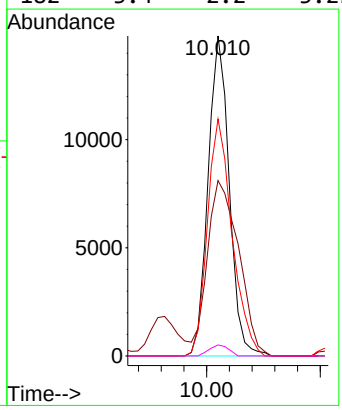


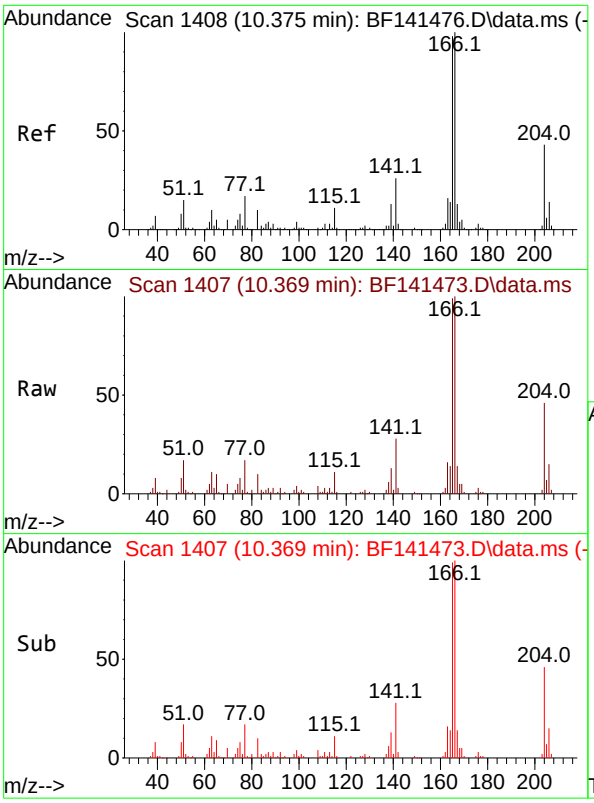


#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:165 Resp: 19087

Ion	Ratio	Lower	Upper
165	100		
63	54.8	46.4	69.6
89	74.0	61.8	92.6
182	3.4	2.2	3.2#



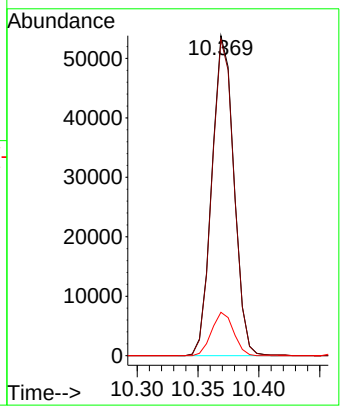


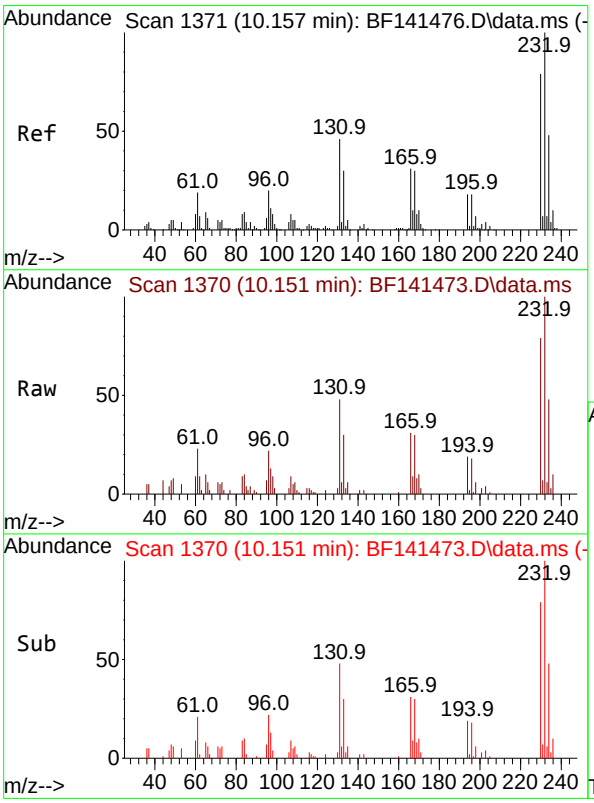
#58
Fluorene
Concen: 5.220 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 67764

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.2
167	13.5	10.7	16.1

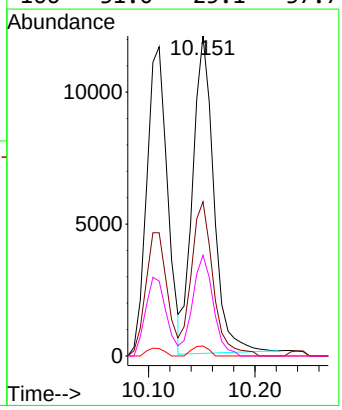


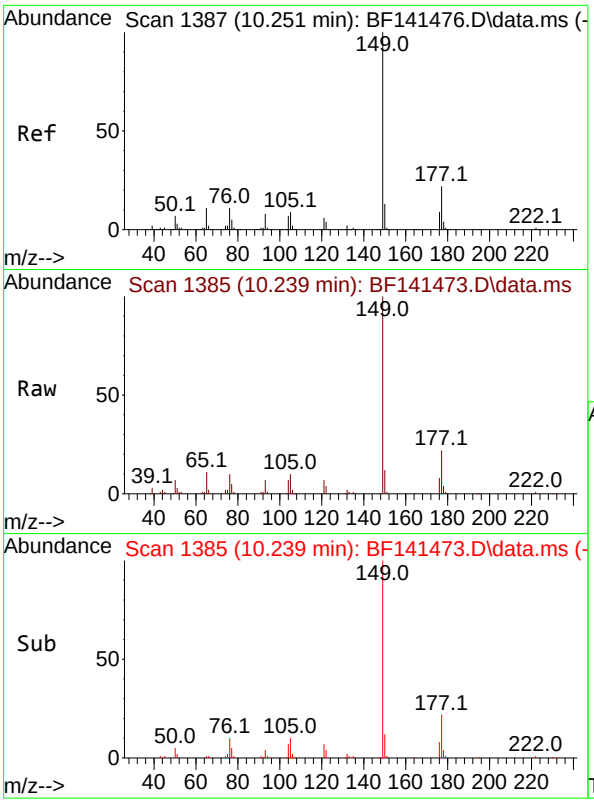


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.760 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:232 Resp: 16570

Ion	Ratio	Lower	Upper
232	100		
131	50.2	39.2	58.8
130	2.5	2.1	3.1
166	31.0	25.1	37.7



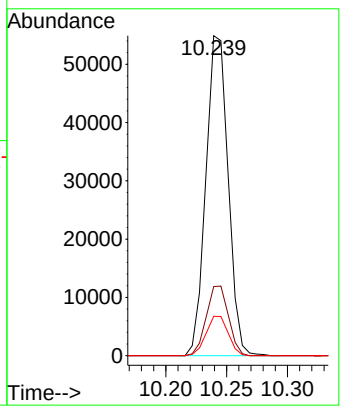


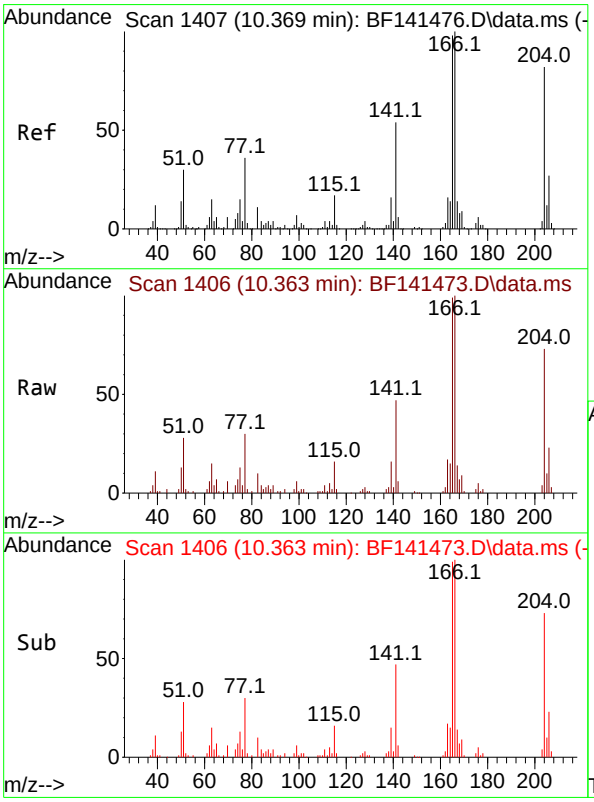
#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 69845

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.8	26.6
150	12.3	10.1	15.1

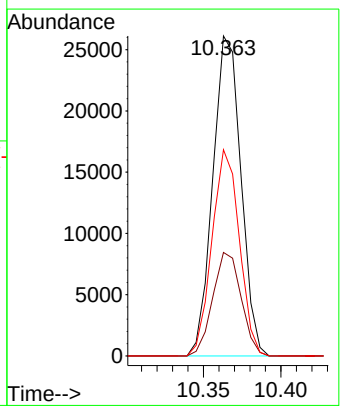


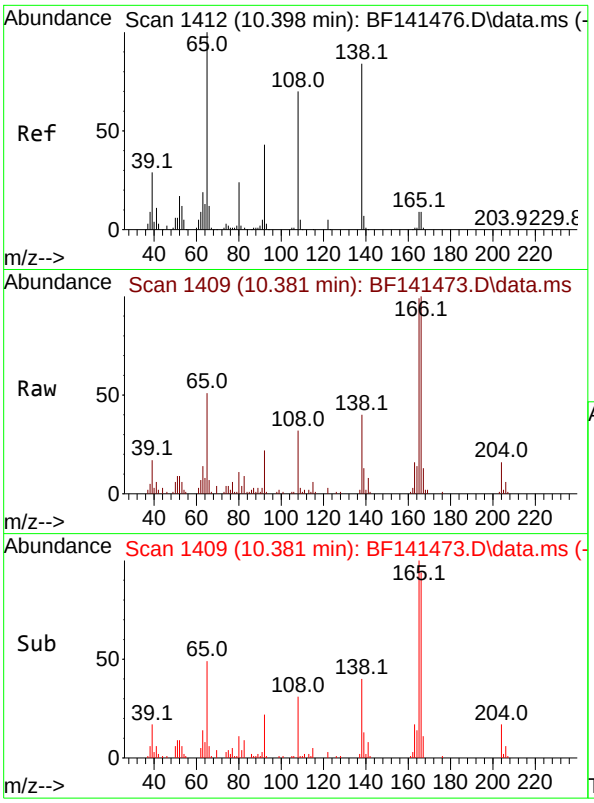


#61
4-Chlorophenyl-phenylether
Concen: 5.277 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:204 Resp: 32951

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	40.0
141	64.4	51.9	77.9



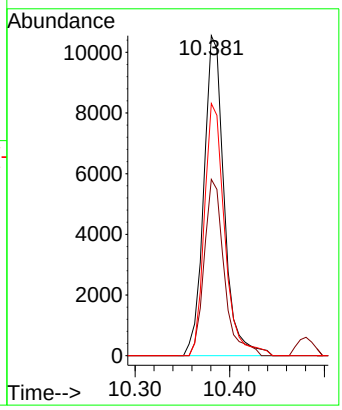


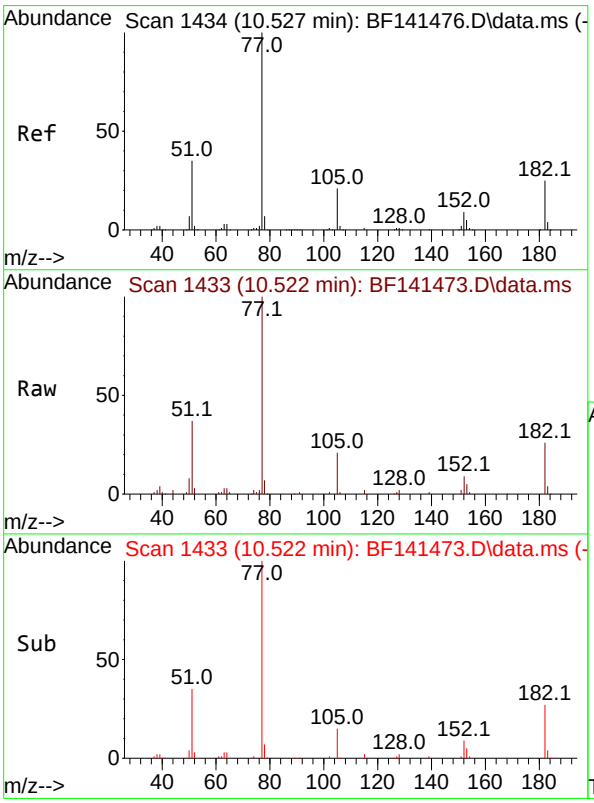
#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 15711

Ion	Ratio	Lower	Upper
138	100		
92	55.1	31.3	71.3
108	78.8	63.7	103.7

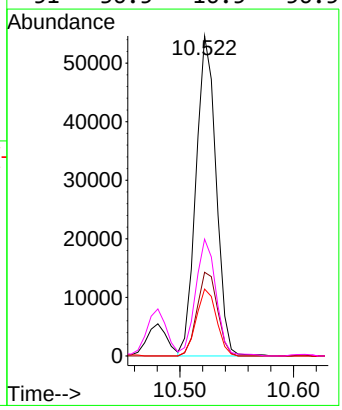


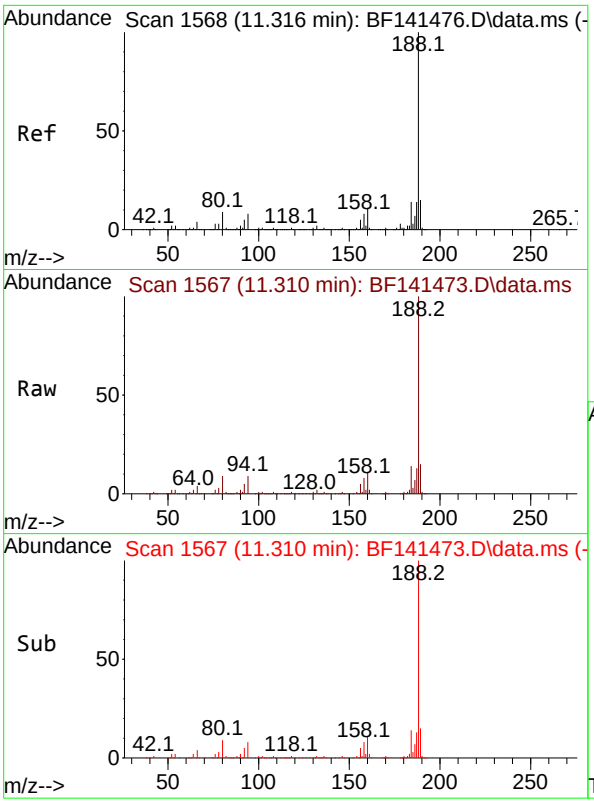


#63
Azobenzene
Concen: 5.077 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 67256

Ion	Ratio	Lower	Upper
77	100		
182	26.2	4.7	44.7
105	20.9	0.4	40.4
51	36.5	16.5	56.5



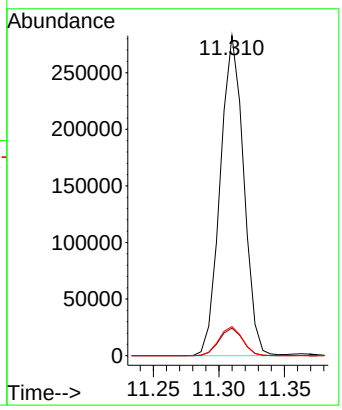


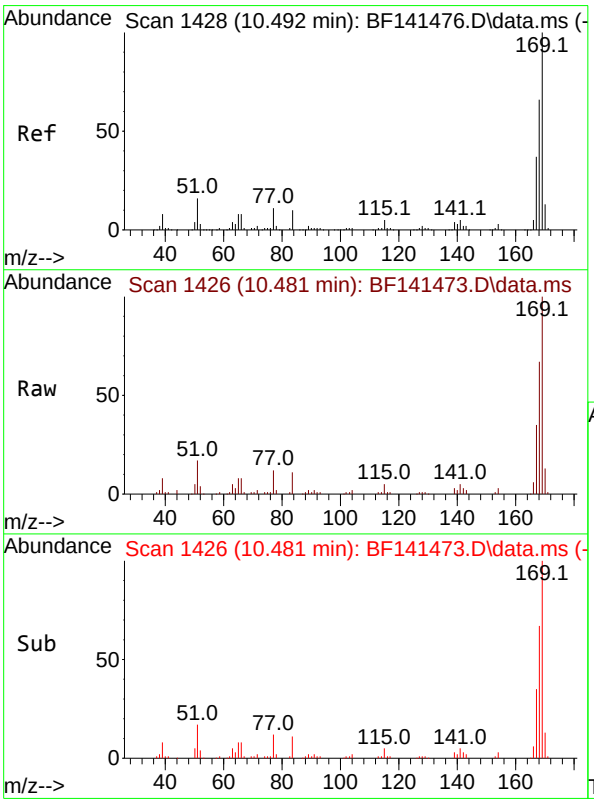
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 351213

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.1	7.3	10.9

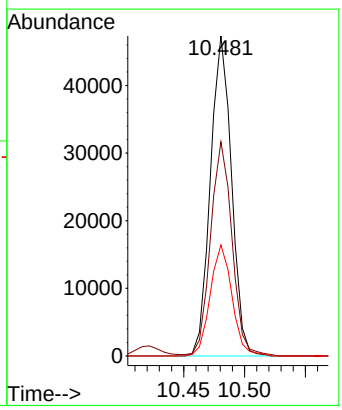


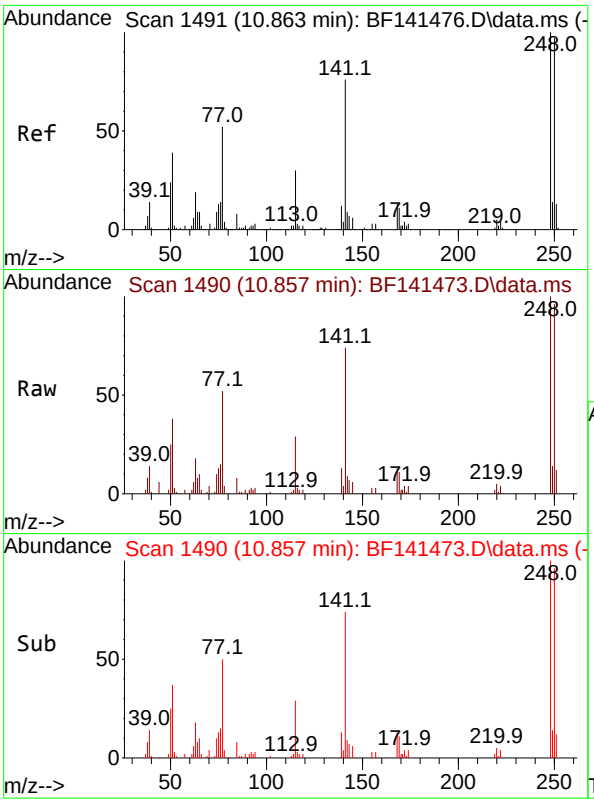


#66
n-Nitrosodiphenylamine
Concen: 5.076 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:169 Resp: 57063

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.3	79.9
167	34.7	29.4	44.2



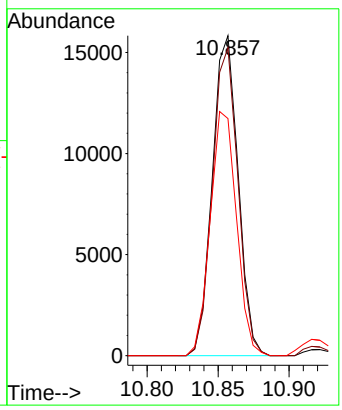


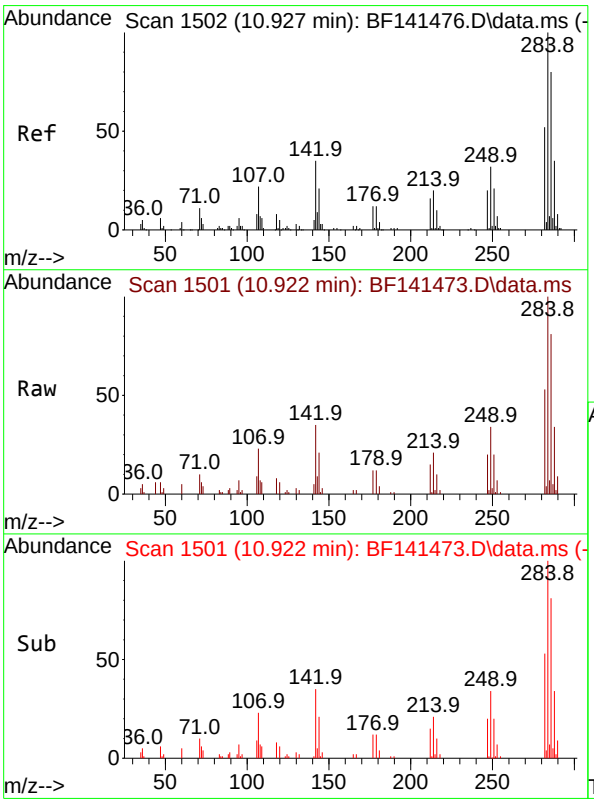
#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 20012

Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.8	116.6
141	74.1	60.6	90.8

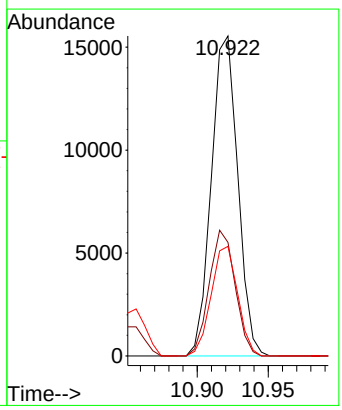


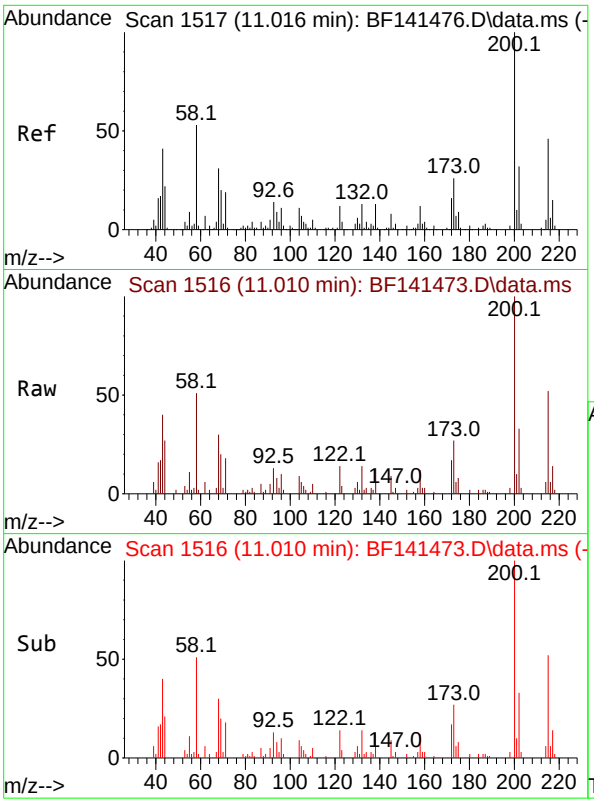


#68
Hexachlorobenzene
Concen: 4.982 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:284 Resp: 20138

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.0	42.0
249	34.3	25.8	38.8



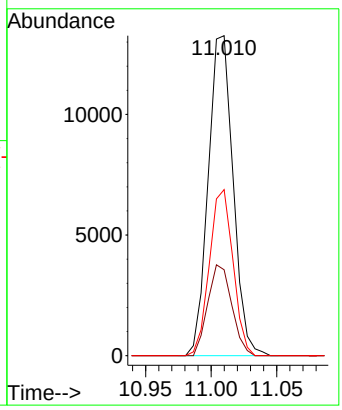


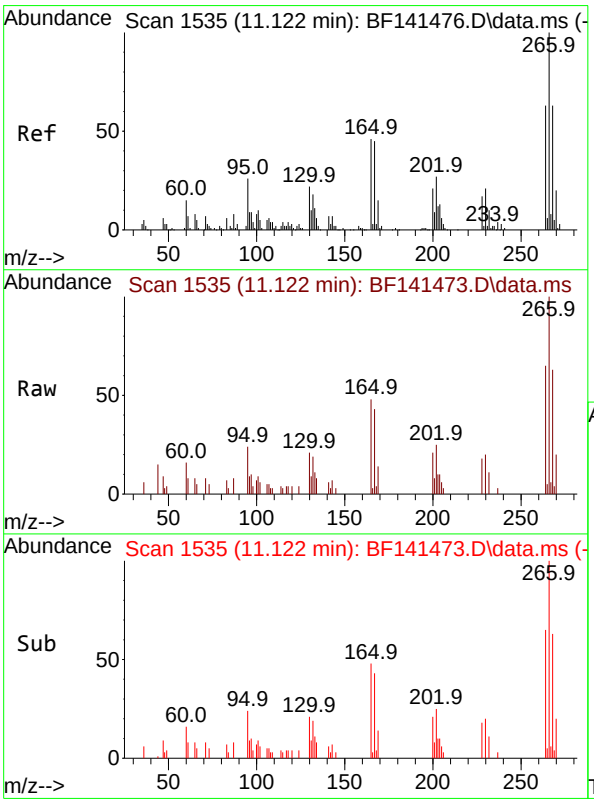
#69
Atrazine
Concen: 5.194 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 17519

Ion	Ratio	Lower	Upper
200	100		
173	26.9	5.9	45.9
215	51.9	25.9	65.9

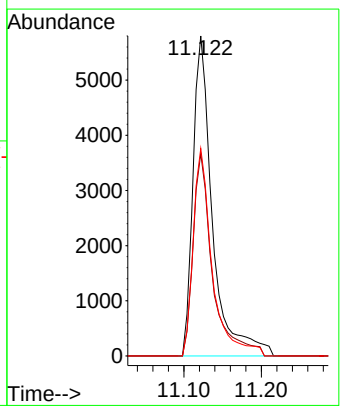


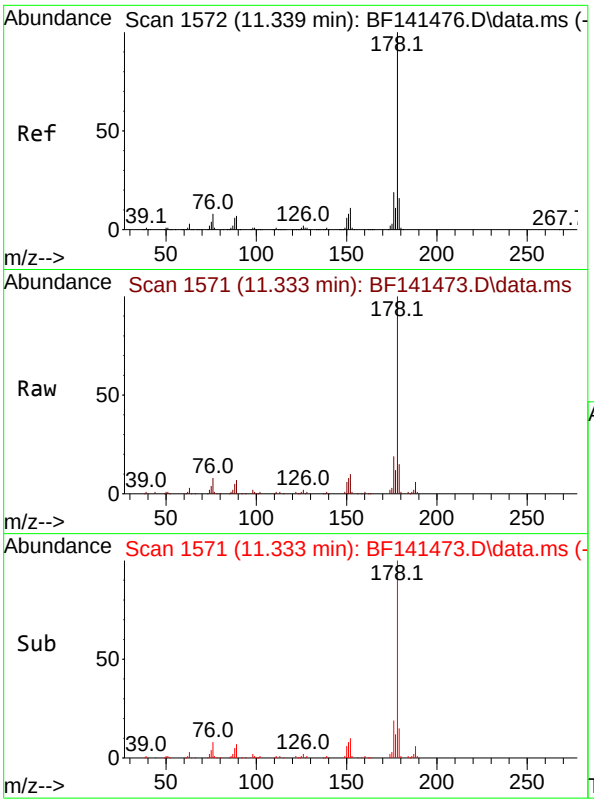


#70
Pentachlorophenol
Concen: 3.928 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:266 Resp: 10151

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.1	75.1
264	64.8	50.1	75.1



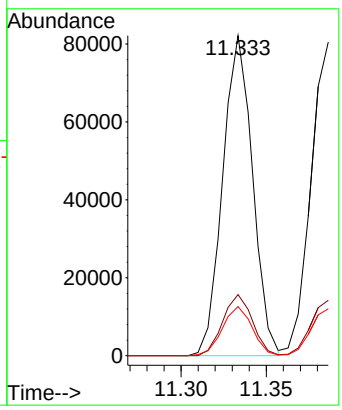


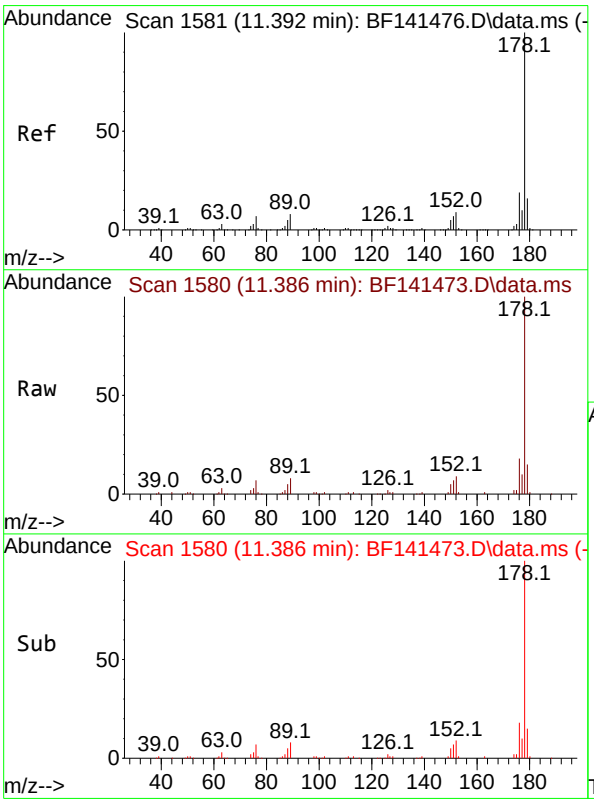
#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 100202

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6

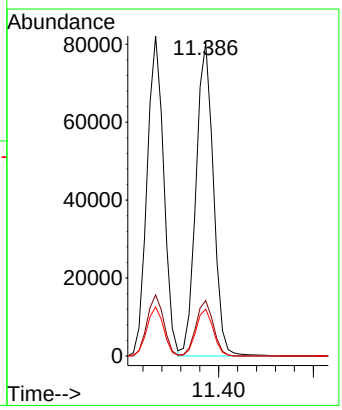


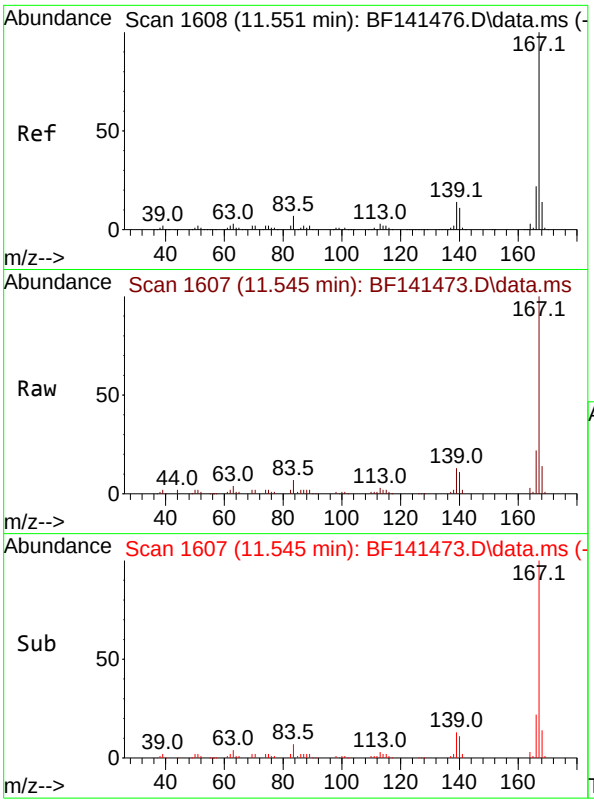


#72
Anthracene
Concen: 5.279 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:178 Resp: 102596

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	15.0	12.4	18.6



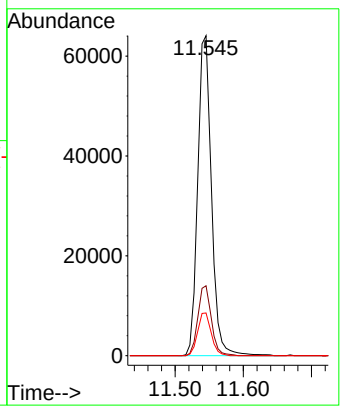


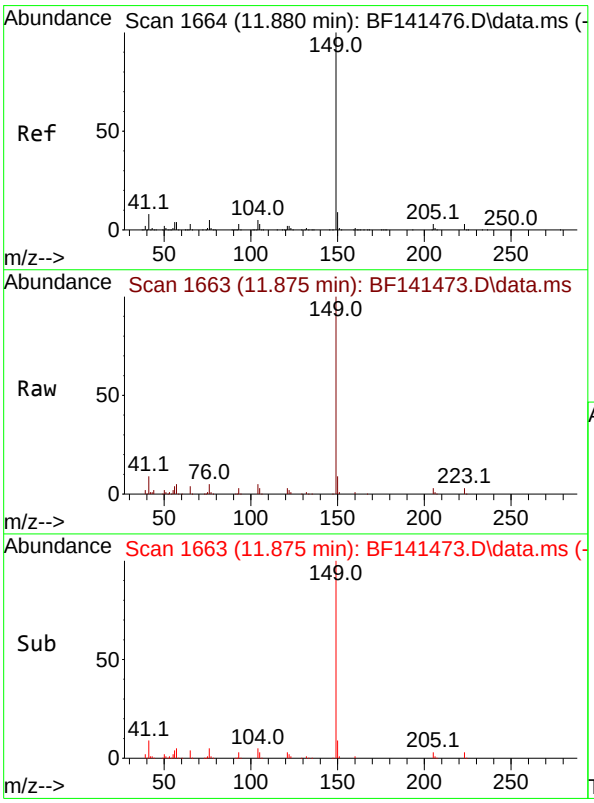
#73
Carbazole
Concen: 5.131 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 89721

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.4	10.9	16.3

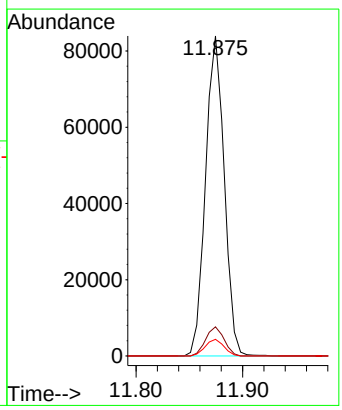


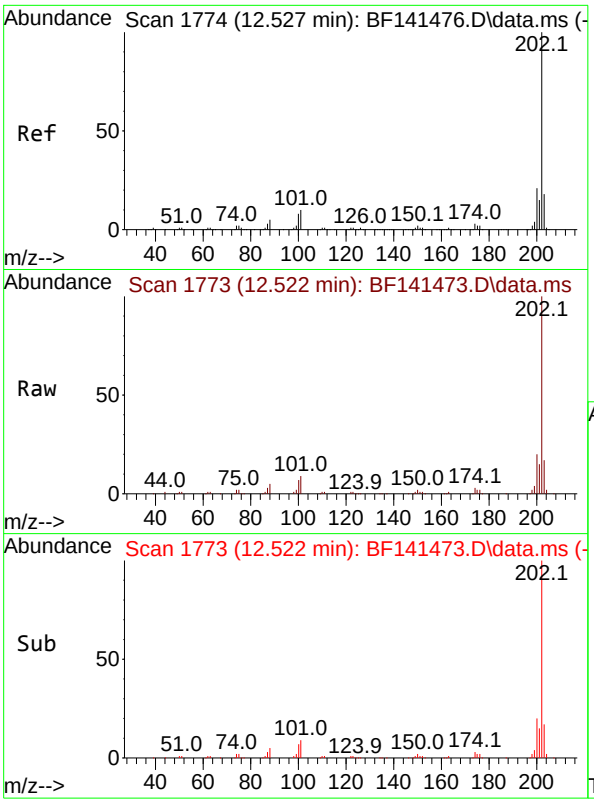


#74
Di-n-butylphthalate
Concen: 5.066 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 102296

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



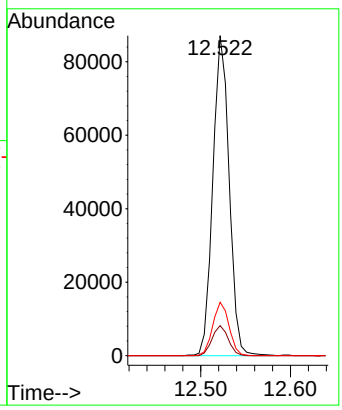


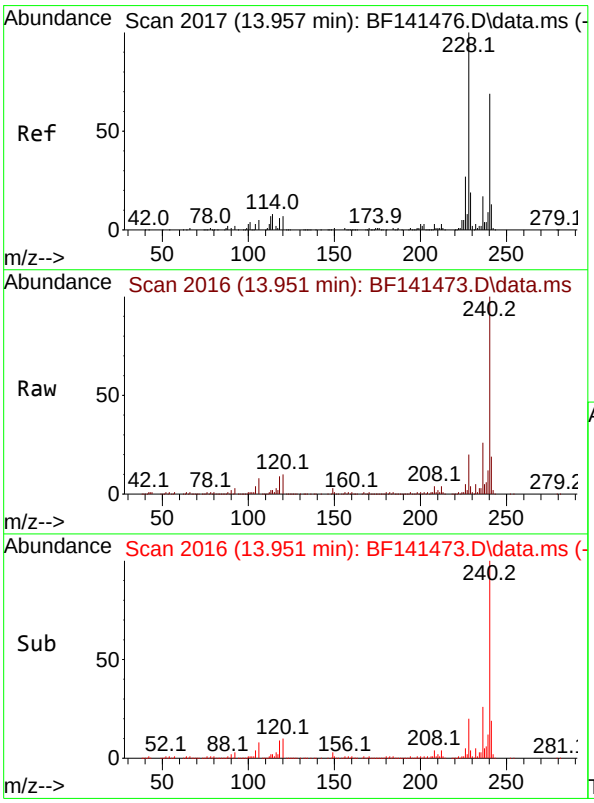
#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 109883

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	16.7	0.0	37.6

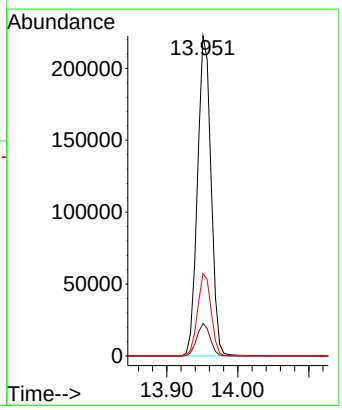


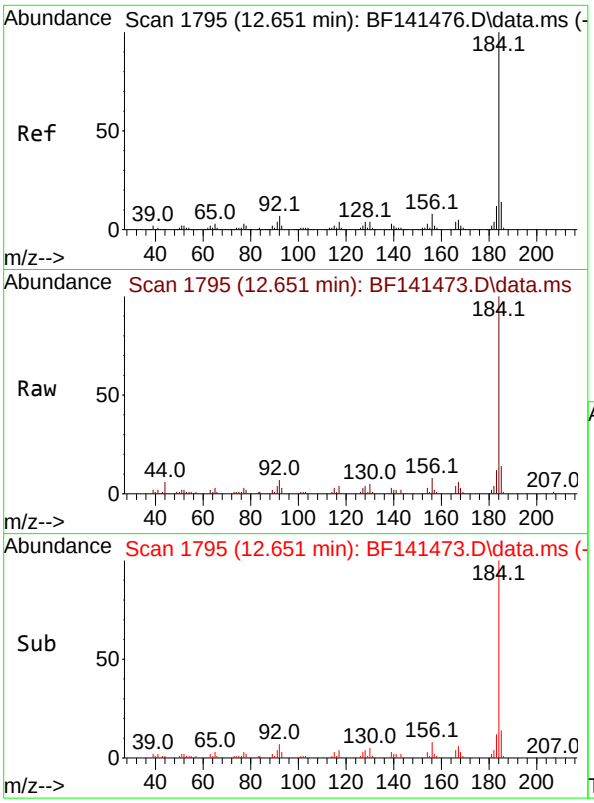


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:240 Resp: 295087

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.0	12.0
236	25.7	19.8	29.8



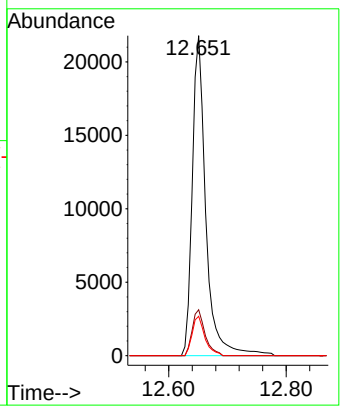


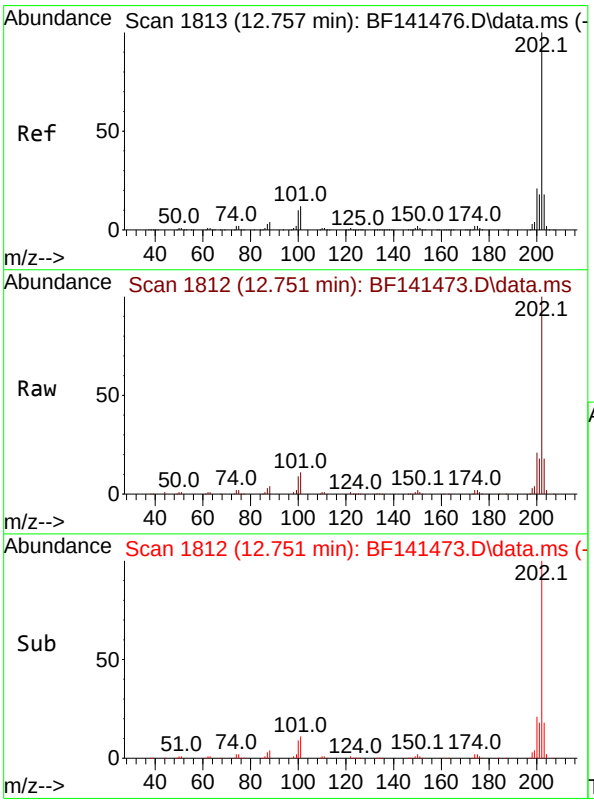
#77
Benzidine
Concen: 5.370 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 34946

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	12.3	9.3	13.9

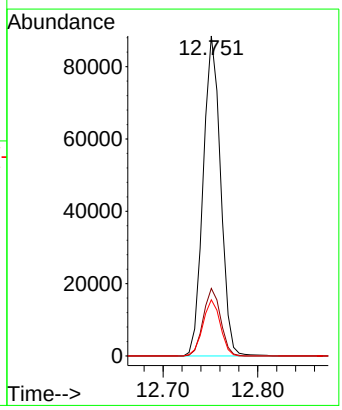


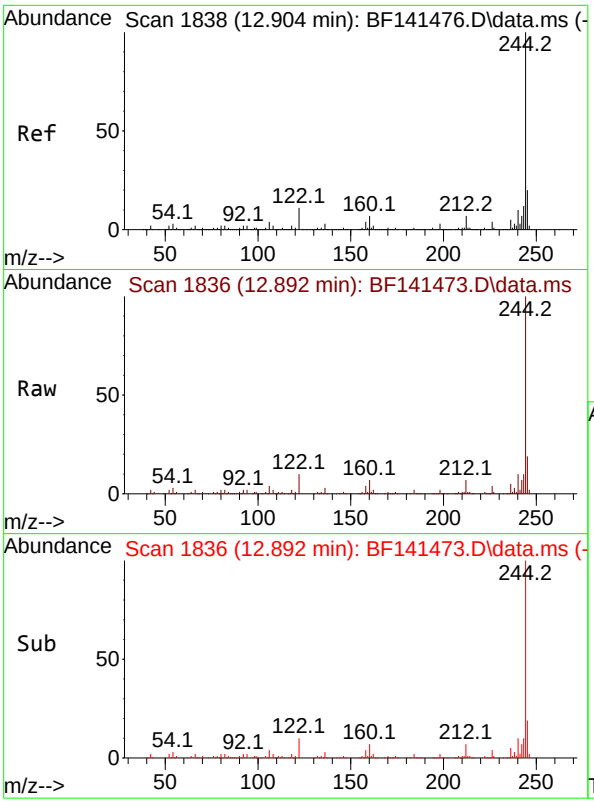


#78
Pyrene
Concen: 4.486 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:202 Resp: 112700

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.6	14.3	21.5



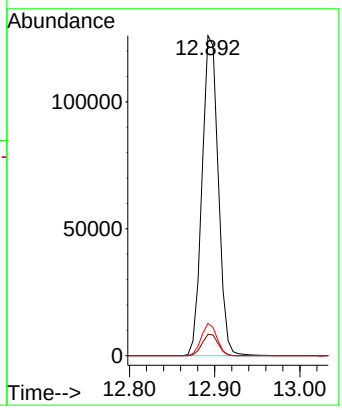


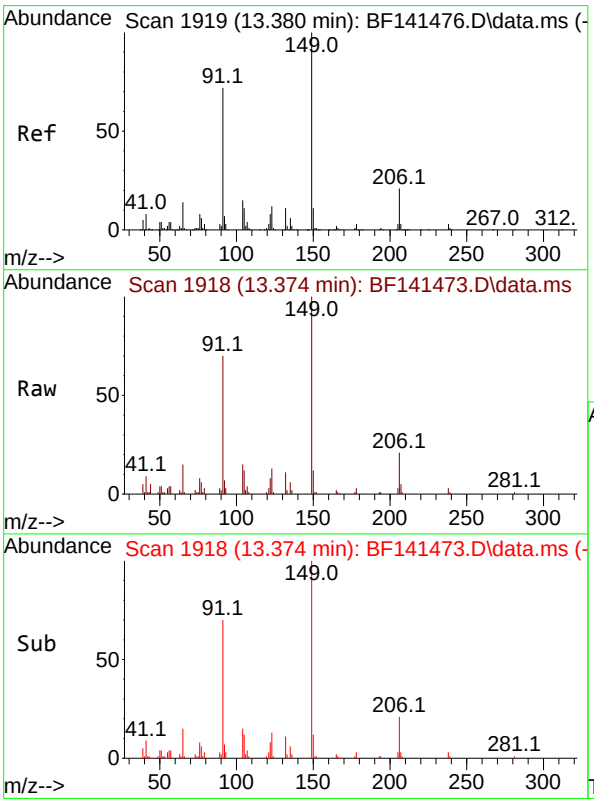
#79
Terphenyl-d14
Concen: 9.531 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 166601

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.1	8.4	12.6

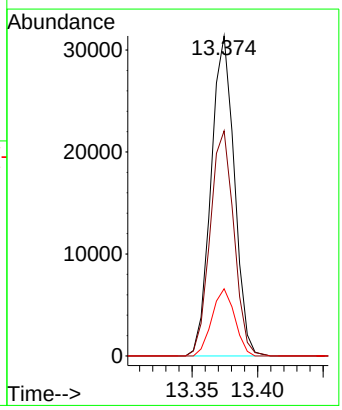


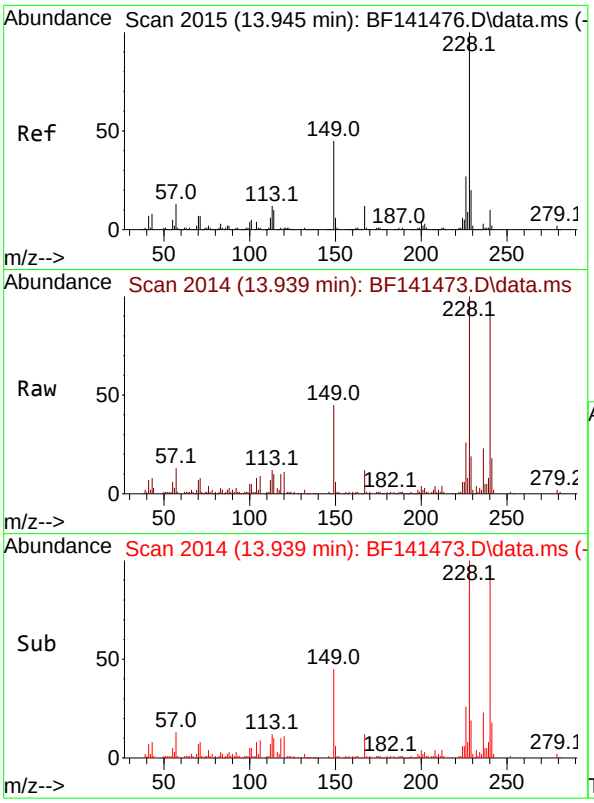


#80
Butylbenzylphthalate
Concen: 4.449 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 38714

Ion	Ratio	Lower	Upper
149	100		
91	70.4	57.8	86.8
206	21.0	16.7	25.1



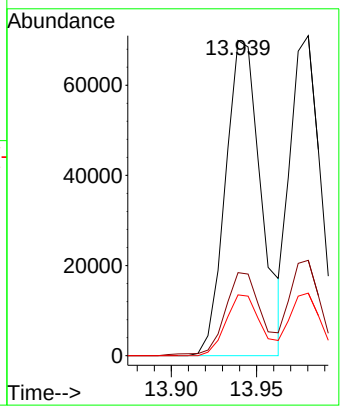


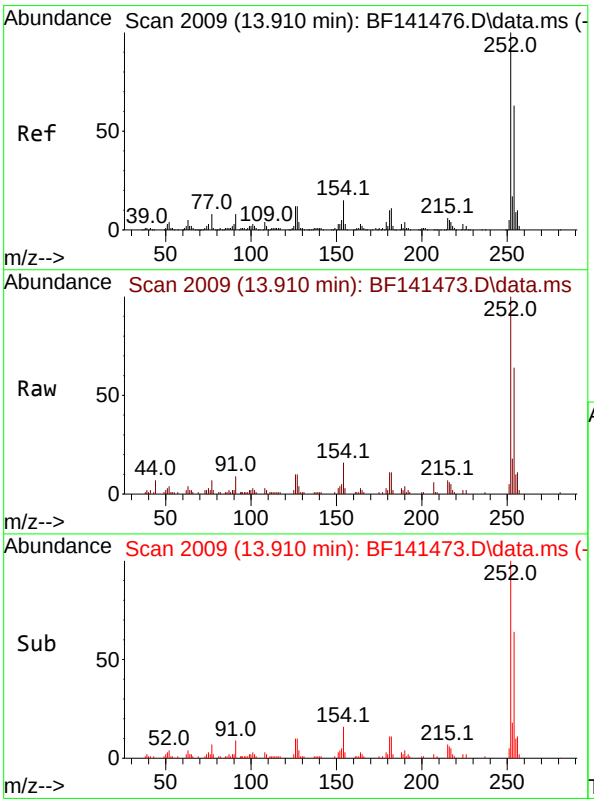
#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 13.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 101861

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.8	32.8
229	19.3	15.8	23.6

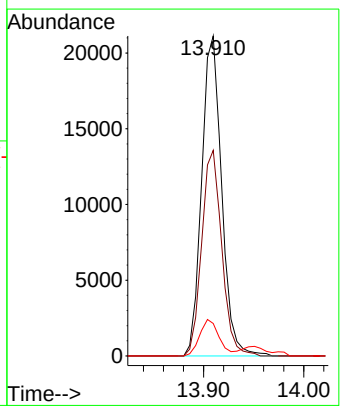


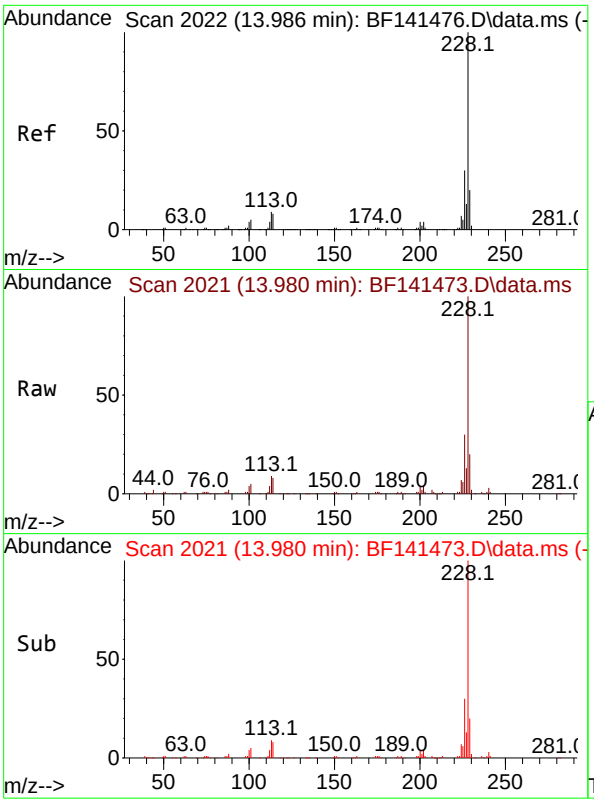


#82
3,3'-Dichlorobenzidine
Concen: 5.216 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 29306

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.6	76.0
126	10.2	9.3	13.9



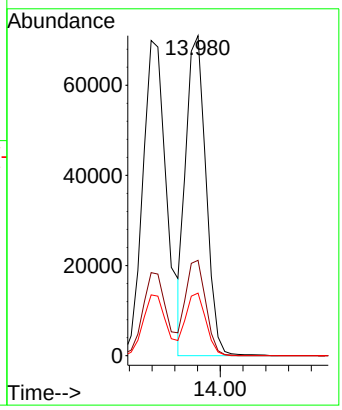


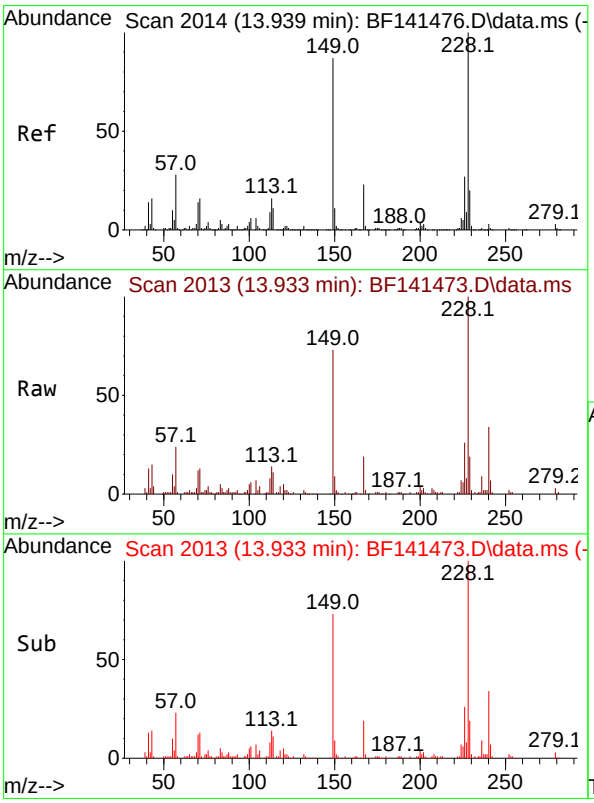
#83
Chrysene
Concen: 4.834 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 87555

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.5	15.7	23.5

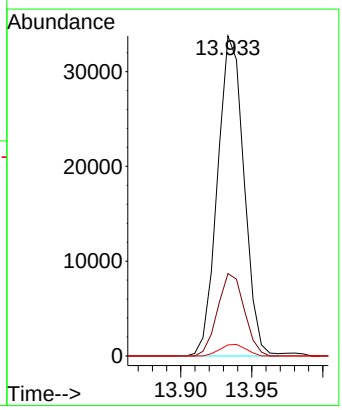


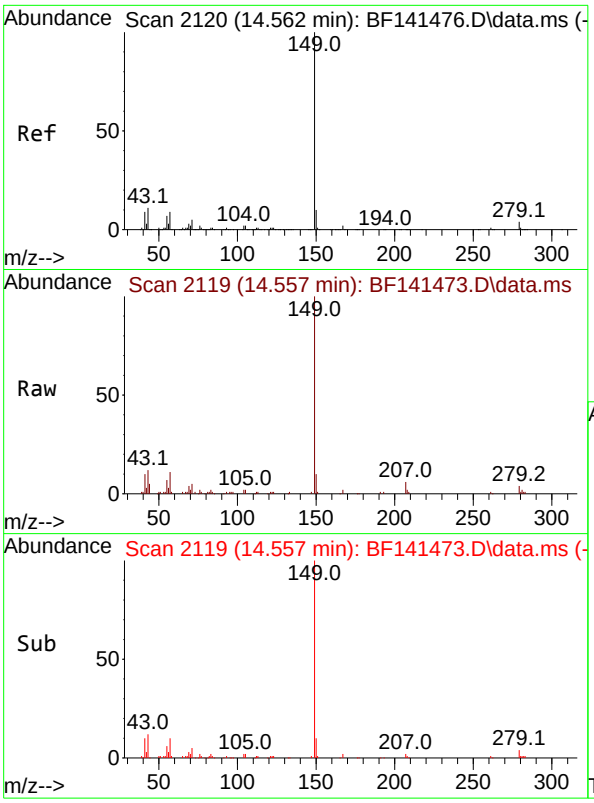


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.457 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:149 Resp: 43735

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.4	32.0
279	3.4	3.1	4.7



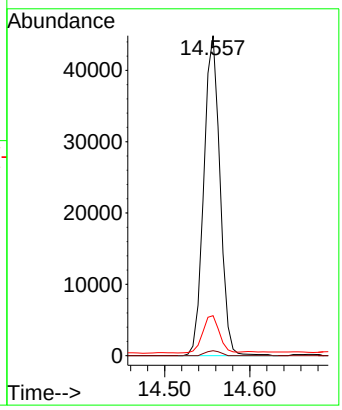


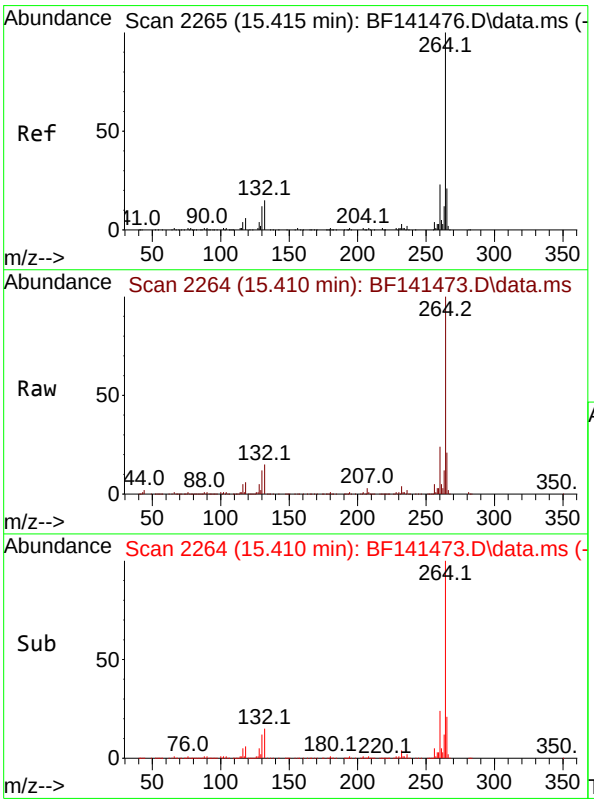
#85
Di-n-octyl phthalate
Concen: 4.229 ng
RT: 14.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 59200

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	12.0	9.5	14.3

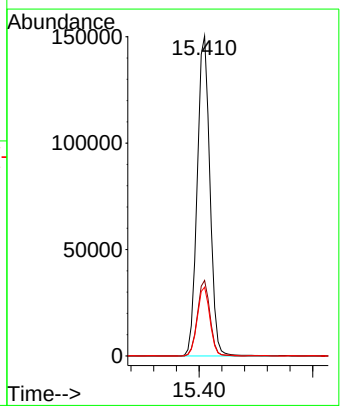


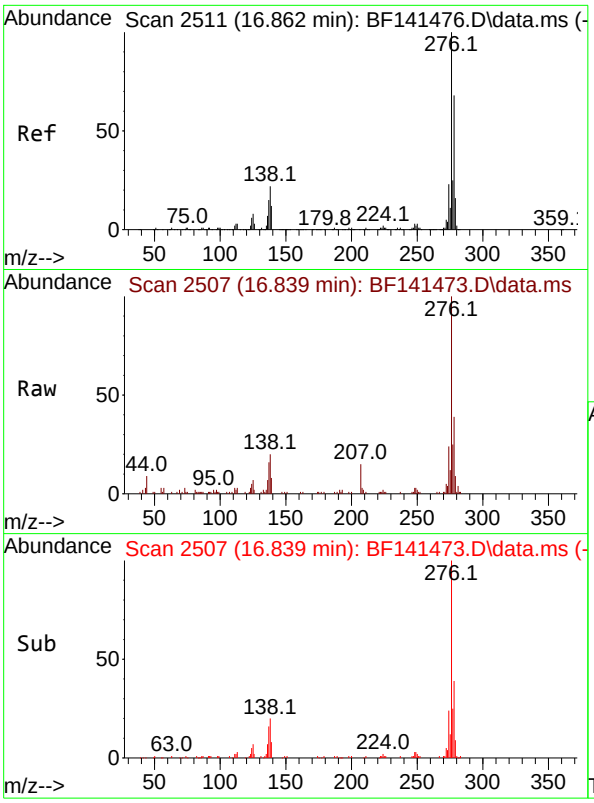


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:264 Resp: 233325

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.5	17.0	25.4



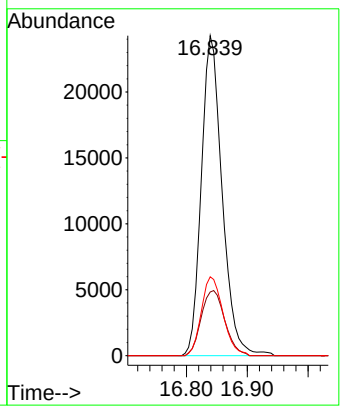


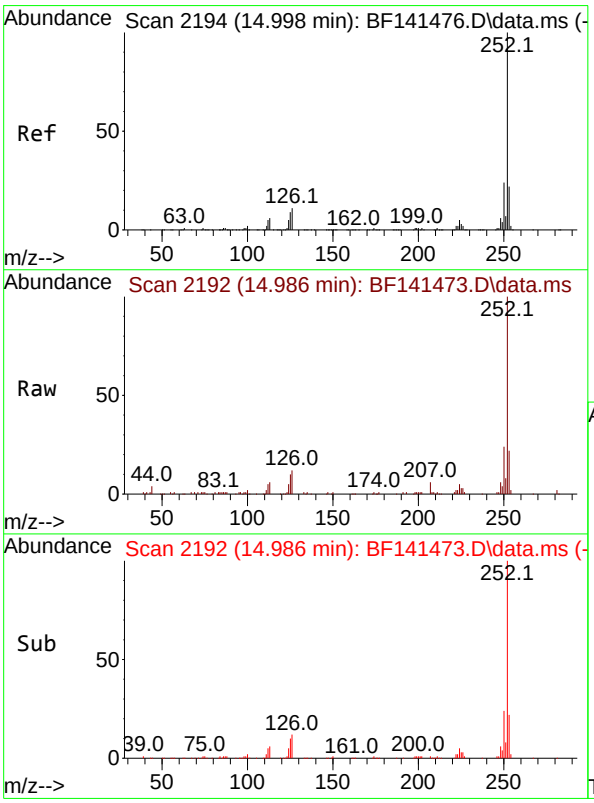
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.993 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 57572

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.0	27.0
277	25.6	20.4	30.6

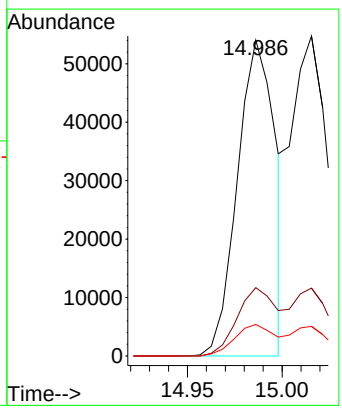


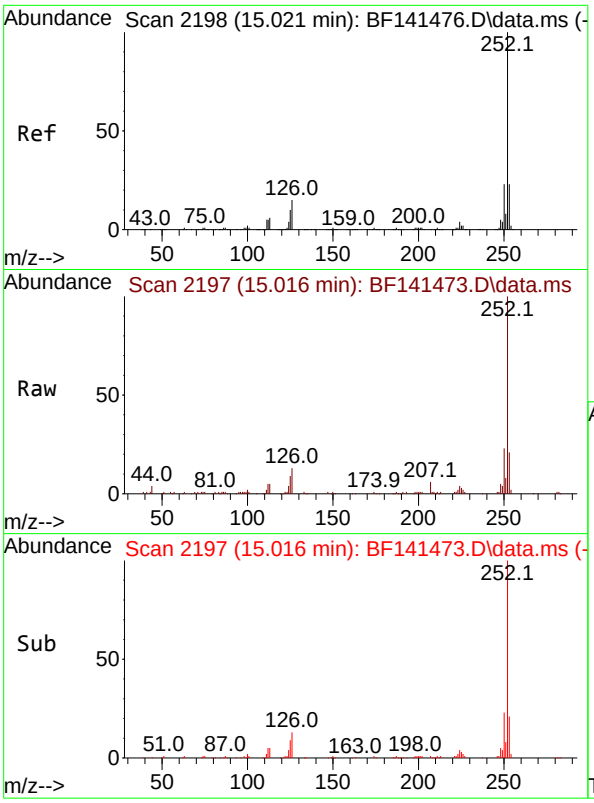


#88
Benzo(b)fluoranthene
Concen: 4.789 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 75033

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.0	7.0	10.6



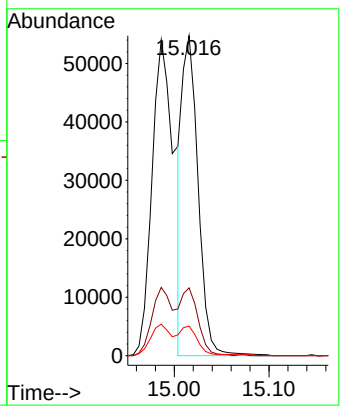


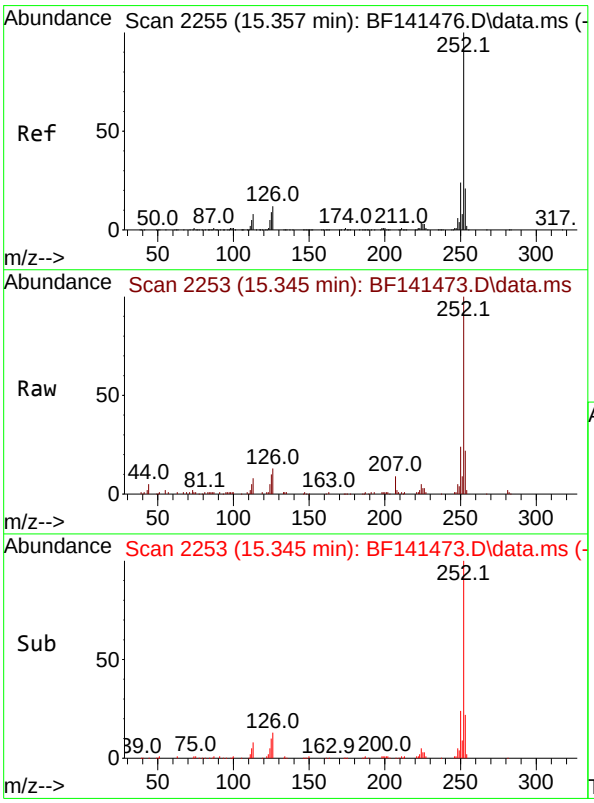
#89
Benzo(k)fluoranthene
Concen: 4.853 ng
RT: 15.016 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 64919

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	9.2	7.4	11.0

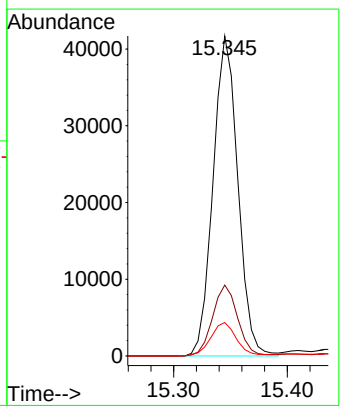


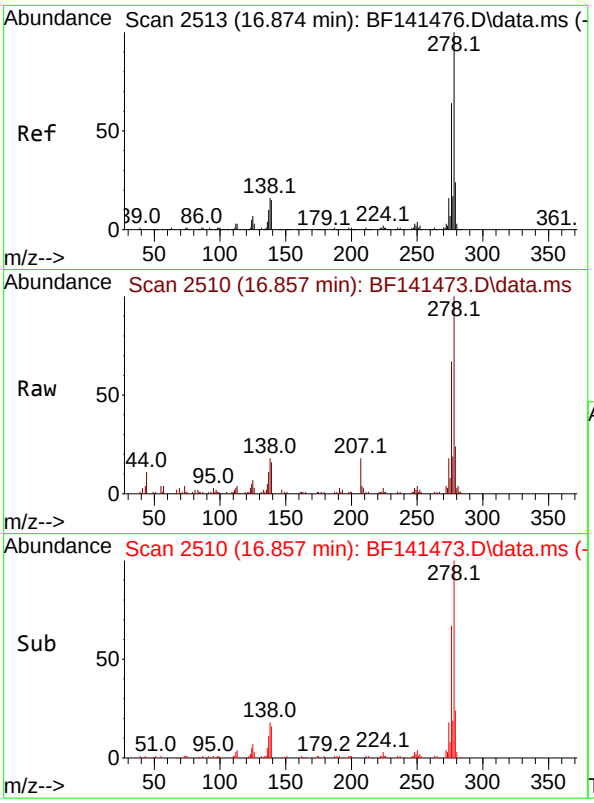


#90
Benzo(a)pyrene
Concen: 4.993 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 63295

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.4	7.4	11.2



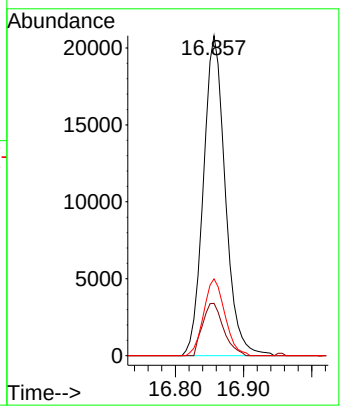


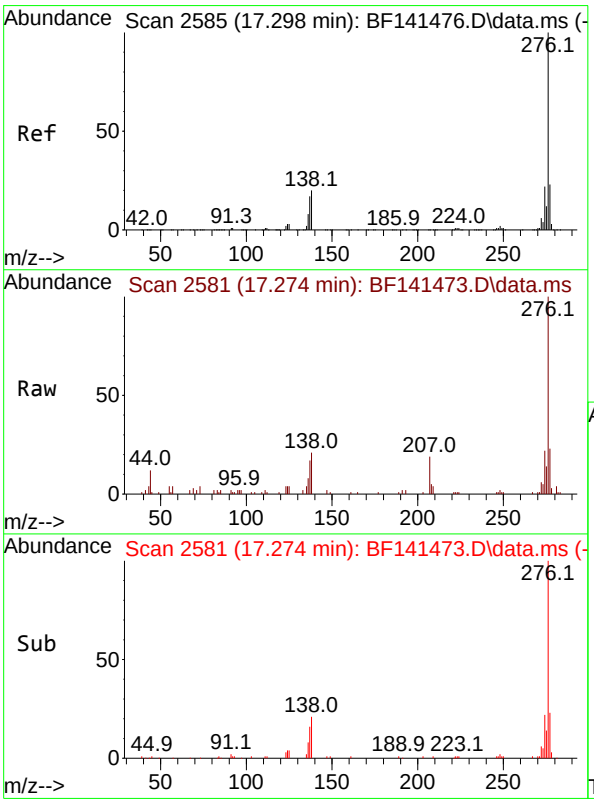
#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 46421

Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.8	17.6
279	24.0	19.1	28.7

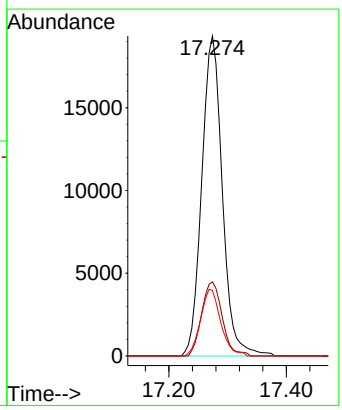




#92
Benzo(g,h,i)perylene
Concen: 3.841 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:276 Resp: 46952

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	20.5	15.9	23.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	88879	20.000	ng		0.00
21) Naphthalene-d8	8.069	136	361197	20.000	ng		0.00
39) Acenaphthene-d10	9.822	164	200046	20.000	ng		-0.01
64) Phenanthrene-d10	11.310	188	347312	20.000	ng		0.00
76) Chrysene-d12	13.957	240	284792	20.000	ng		0.00
86) Perylene-d12	15.416	264	215900	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	114669	20.227	ng		0.00
7) Phenol-d6	6.422	99	144805	20.209	ng		-0.02
23) Nitrobenzene-d5	7.345	82	136996	19.783	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	40073	19.941	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	271988	20.947	ng		0.00
79) Terphenyl-d14	12.898	244	314541	18.645	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	23063	10.108	ng		95
3) Pyridine	3.216	79	53532	9.859	ng		99
4) n-Nitrosodimethylamine	3.146	42	34386	9.564	ng	#	97
6) Aniline	6.446	93	68661	10.215	ng		92
8) 2-Chlorophenol	6.575	128	62679	10.232	ng		99
9) Benzaldehyde	6.334	77	44111	11.585	ng		99
10) Phenol	6.440	94	74689	10.015	ng		96
11) bis(2-Chloroethyl)ether	6.522	93	54627	9.752	ng		98
12) 1,3-Dichlorobenzene	6.728	146	65850	10.182	ng		98
13) 1,4-Dichlorobenzene	6.804	146	68330	10.341	ng		97
14) 1,2-Dichlorobenzene	6.957	146	63948	10.428	ng		99
15) Benzyl Alcohol	6.928	79	55580	10.115	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	99782	10.406	ng		98
17) 2-Methylphenol	7.045	107	48375	10.092	ng		97
18) Hexachloroethane	7.298	117	24233	9.910	ng		98
19) n-Nitroso-di-n-propyla...	7.192	70	43762	10.210	ng		97
20) 3+4-Methylphenols	7.198	107	62949	10.332	ng		96
22) Acetophenone	7.192	105	90614	10.085	ng	#	97
24) Nitrobenzene	7.363	77	67032	9.927	ng		96
25) Isophorone	7.604	82	107242	9.712	ng		99
26) 2-Nitrophenol	7.687	139	31590	9.403	ng		97
27) 2,4-Dimethylphenol	7.728	122	38303	9.759	ng		98
28) bis(2-Chloroethoxy)met...	7.816	93	70458	9.958	ng		97
29) 2,4-Dichlorophenol	7.934	162	51883	9.784	ng		99
30) 1,2,4-Trichlorobenzene	8.010	180	57937	10.033	ng		97
31) Naphthalene	8.092	128	188046	10.002	ng		99
32) Benzoic acid	7.810	122	33645	8.253	ng		98
33) 4-Chloroaniline	8.145	127	63529	9.678	ng		98
34) Hexachlorobutadiene	8.210	225	34431	9.932	ng		98
35) Caprolactam	8.481	113	15331	9.495	ng		98
36) 4-Chloro-3-methylphenol	8.628	107	58441	9.949	ng		99
37) 2-Methylnaphthalene	8.781	142	124517	10.177	ng		99
38) 1-Methylnaphthalene	8.881	142	118722	10.019	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	58800	10.160	ng		98
41) Hexachlorocyclopentadiene	8.934	237	13785	7.161	ng		91
43) 2,4,6-Trichlorophenol	9.063	196	36558	9.773	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

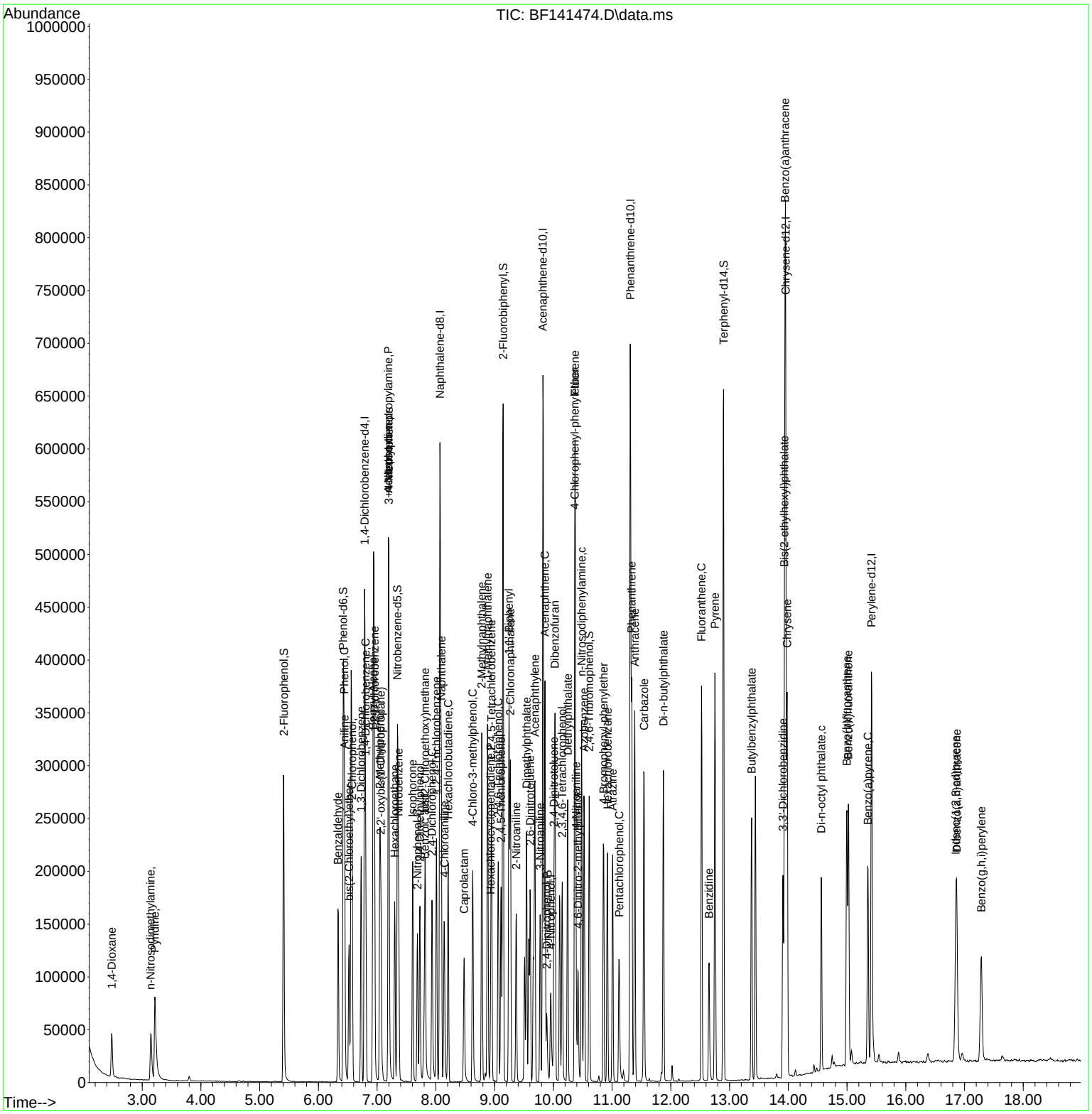
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng		97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng		99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng		99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng		96
49) Acenaphthylene	9.686	152	173644	10.179	ng		99
50) Dimethylphthalate	9.545	163	135886	10.006	ng		100
51) 2,6-Dinitrotoluene	9.604	165	29006	9.770	ng		96
52) Acenaphthene	9.857	154	116461m	10.155	ng		
53) 3-Nitroaniline	9.775	138	31330	9.805	ng		100
54) 2,4-Dinitrophenol	9.886	184	13341	7.561	ng		98
55) Dibenzofuran	10.028	168	172206	10.230	ng		98
56) 4-Nitrophenol	9.957	139	21569	9.093	ng		96
57) 2,4-Dinitrotoluene	10.010	165	40306	10.198	ng		93
58) Fluorene	10.369	166	136110	10.458	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	36102	10.344	ng	#	96
60) Diethylphthalate	10.245	149	134593	10.073	ng		99
61) 4-Chlorophenyl-phenyle...	10.363	204	64305	10.270	ng		97
62) 4-Nitroaniline	10.386	138	31934	9.842	ng		98
63) Azobenzene	10.522	77	132968	10.010	ng		99
65) 4,6-Dinitro-2-methylph...	10.422	198	20074	8.320	ng		98
66) n-Nitrosodiphenylamine	10.481	169	113408	10.201	ng		98
67) 4-Bromophenyl-phenylether	10.857	248	38257	9.856	ng		97
68) Hexachlorobenzene	10.922	284	40715	10.186	ng		98
69) Atrazine	11.010	200	35287	10.580	ng		98
70) Pentachlorophenol	11.122	266	22735	8.895	ng		98
71) Phenanthrene	11.333	178	196586	10.283	ng		99
72) Anthracene	11.386	178	195528	10.174	ng		99
73) Carbazole	11.545	167	178223	10.306	ng		99
74) Di-n-butylphthalate	11.875	149	200806	10.057	ng		100
75) Fluoranthene	12.522	202	215218	10.618	ng		99
77) Benzidine	12.651	184	69402	11.050	ng		98
78) Pyrene	12.751	202	221721	9.146	ng		99
80) Butylbenzylphthalate	13.374	149	76852	9.152	ng		100
81) Benzo(a)anthracene	13.945	228	189705	10.021	ng		99
82) 3,3'-Dichlorobenzidine	13.910	252	58487	10.785	ng		99
83) Chrysene	13.980	228	174103	9.960	ng		98
84) Bis(2-ethylhexyl)phtha...	13.933	149	86853	9.171	ng		98
85) Di-n-octyl phthalate	14.563	149	115875	8.576	ng		100
87) Indeno(1,2,3-cd)pyrene	16.851	276	111083	8.327	ng		98
88) Benzo(b)fluoranthene	14.998	252	151861	10.476	ng		98
89) Benzo(k)fluoranthene	15.021	252	131265	10.604	ng		99
90) Benzo(a)pyrene	15.357	252	115948	9.885	ng		99
91) Dibenzo(a,h)anthracene	16.868	278	89400	8.271	ng		99
92) Benzo(g,h,i)perylene	17.286	276	93242	8.243	ng		99

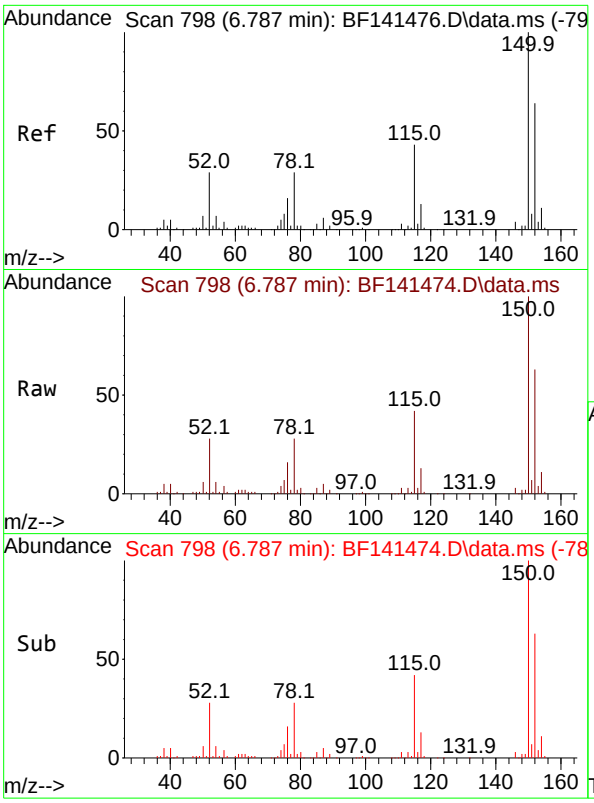
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



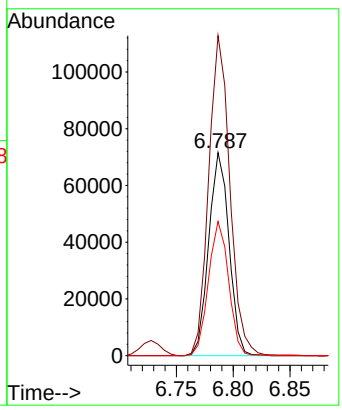


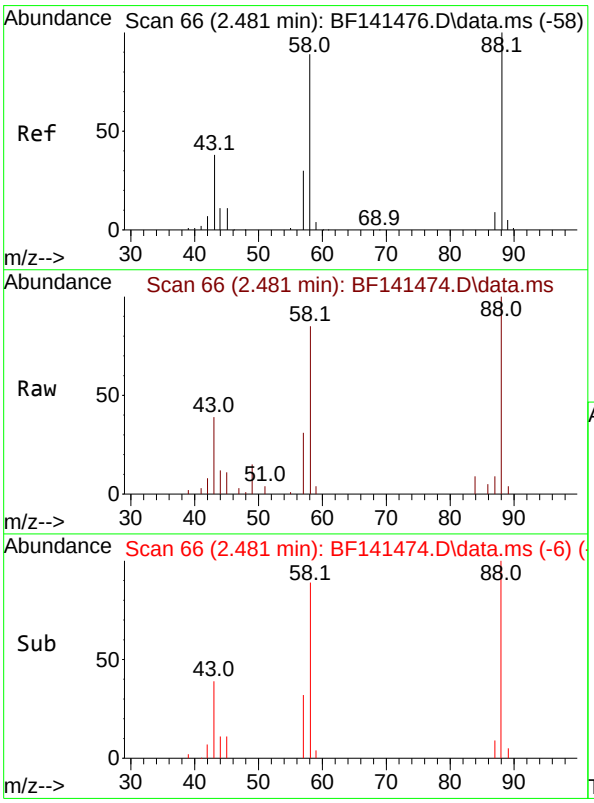
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 88879

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.0	187.4
115	66.1	53.6	80.4

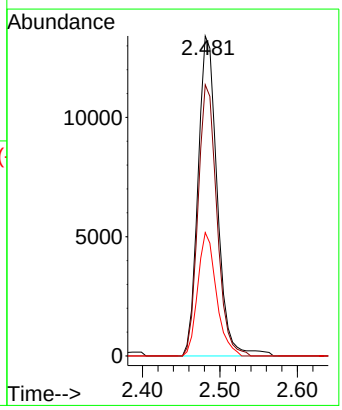


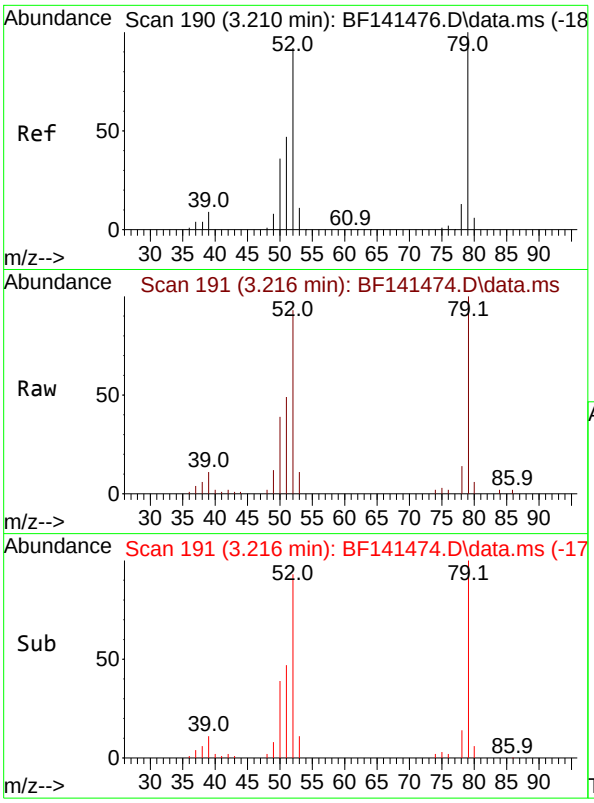


#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 88 Resp: 23063

Ion	Ratio	Lower	Upper
88	100		
58	83.0	71.1	106.7
43	37.3	30.6	46.0



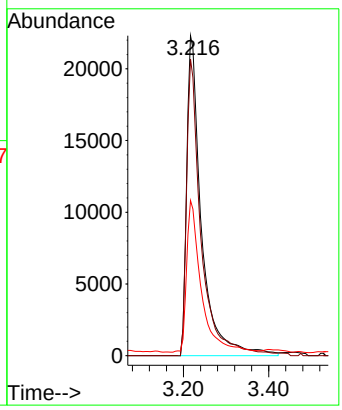


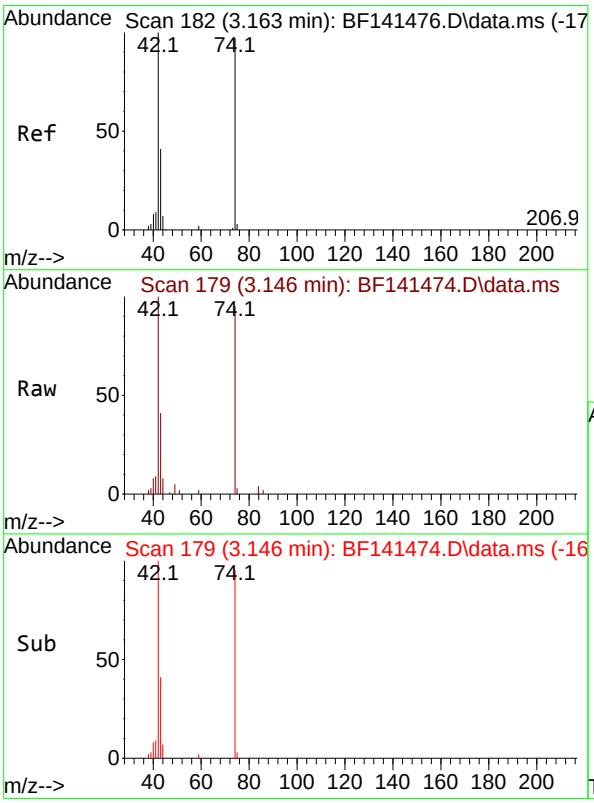
#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 53532

Ion	Ratio	Lower	Upper
79	100		
52	92.7	73.7	110.5
51	48.5	37.5	56.3

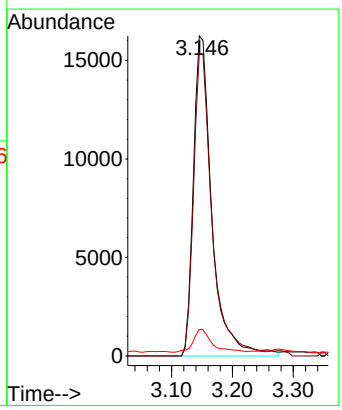


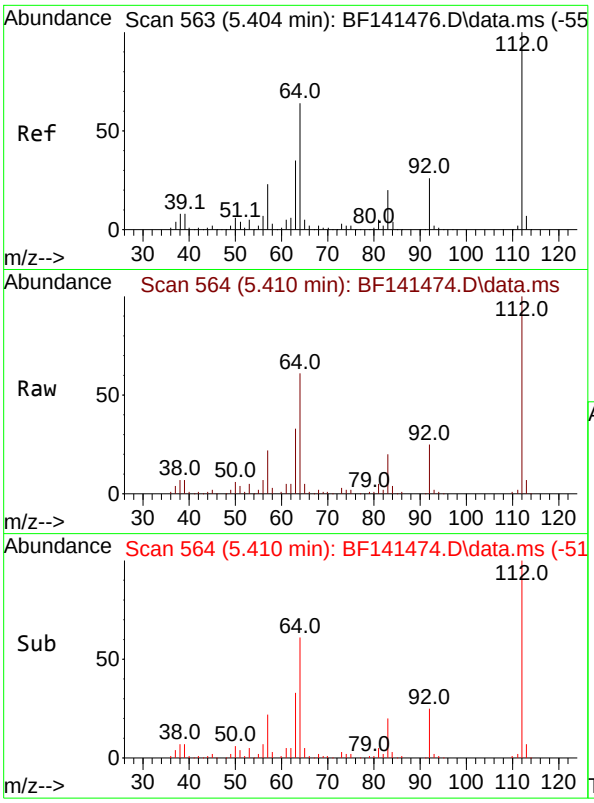


#4
n-Nitrosodimethylamine
Concen: 9.564 ng
RT: 3.146 min Scan# 179
Delta R.T. -0.041 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 42 Resp: 34386

Ion	Ratio	Lower	Upper
42	100		
74	94.6	78.0	117.0
44	8.3	5.4	8.2#



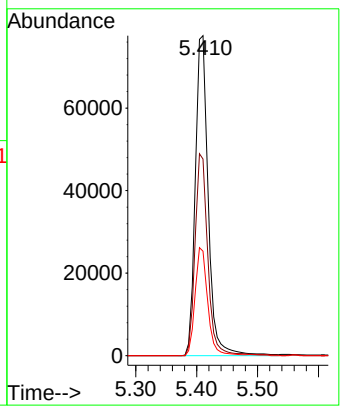


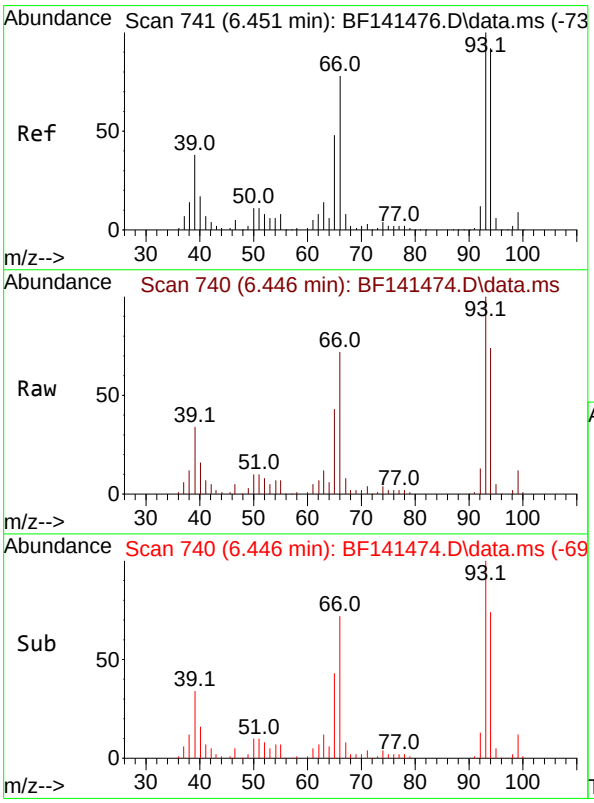
#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 114669

Ion	Ratio	Lower	Upper
112	100		
64	61.5	51.1	76.7
63	32.6	28.4	42.6

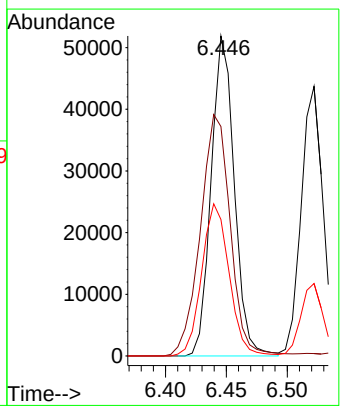


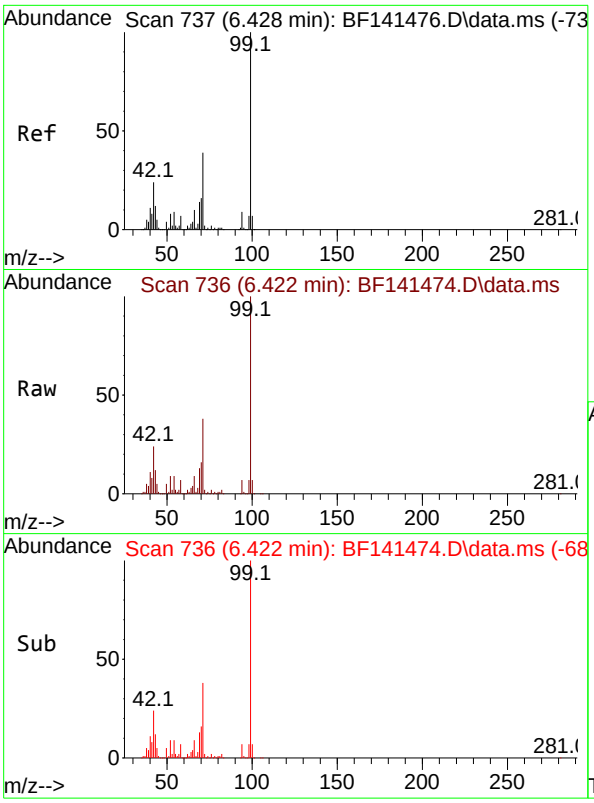


#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 68661

Ion	Ratio	Lower	Upper
93	100		
66	71.7	62.6	94.0
65	42.7	38.3	57.5



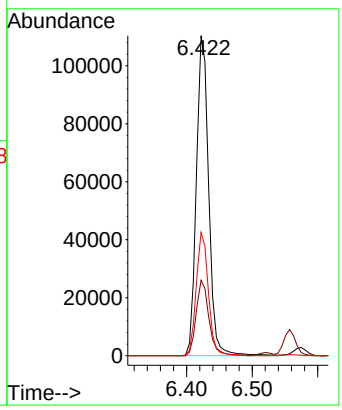


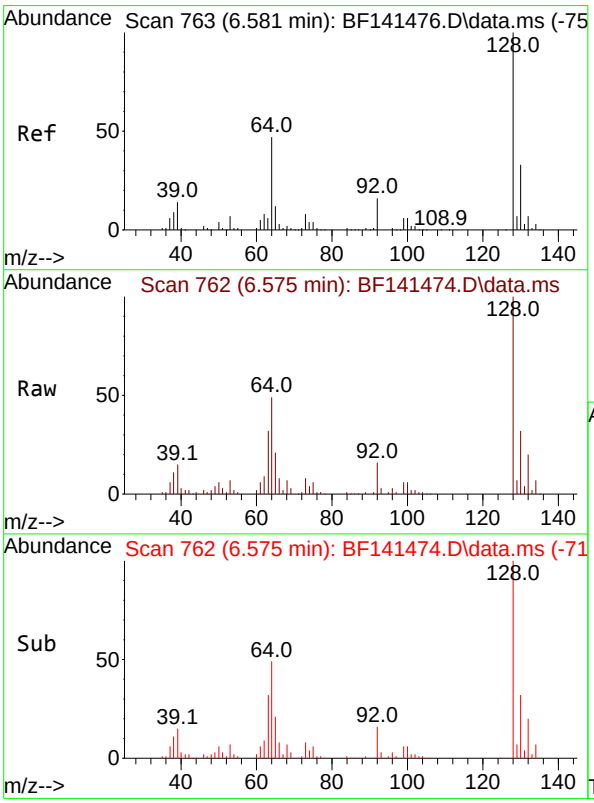
#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 144805

Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.1	28.7
71	38.5	31.1	46.7

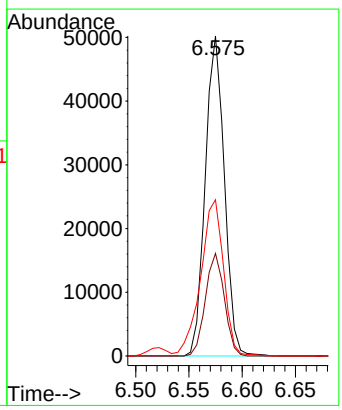


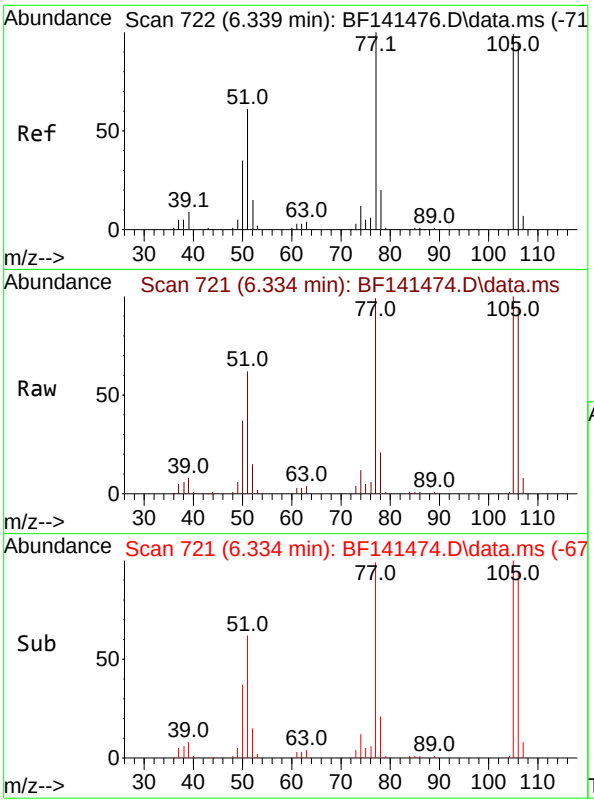


#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:128 Resp: 62679

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.7	52.7
64	48.8	28.3	68.3



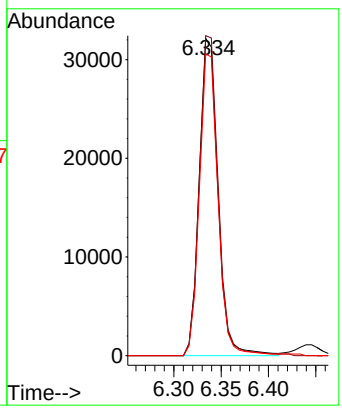


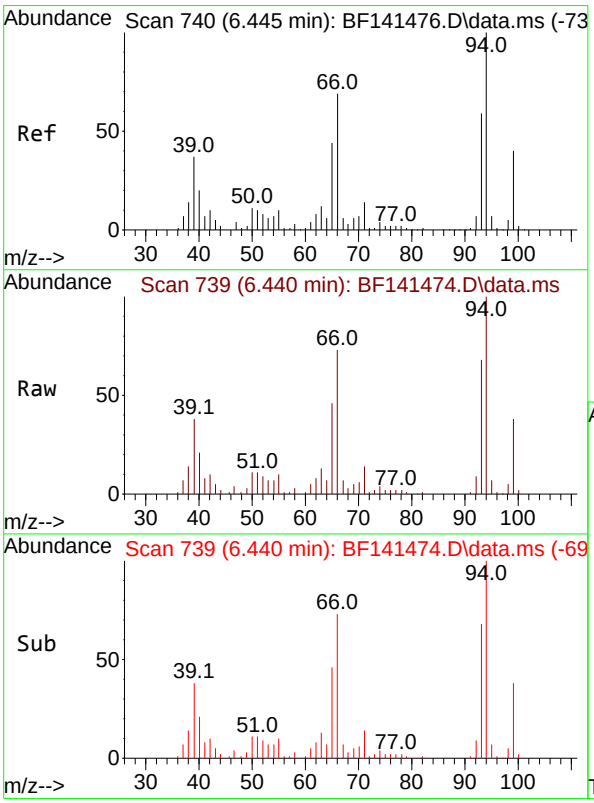
#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 44111

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	95.1	75.1	115.1

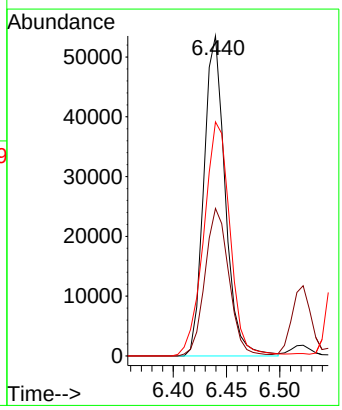


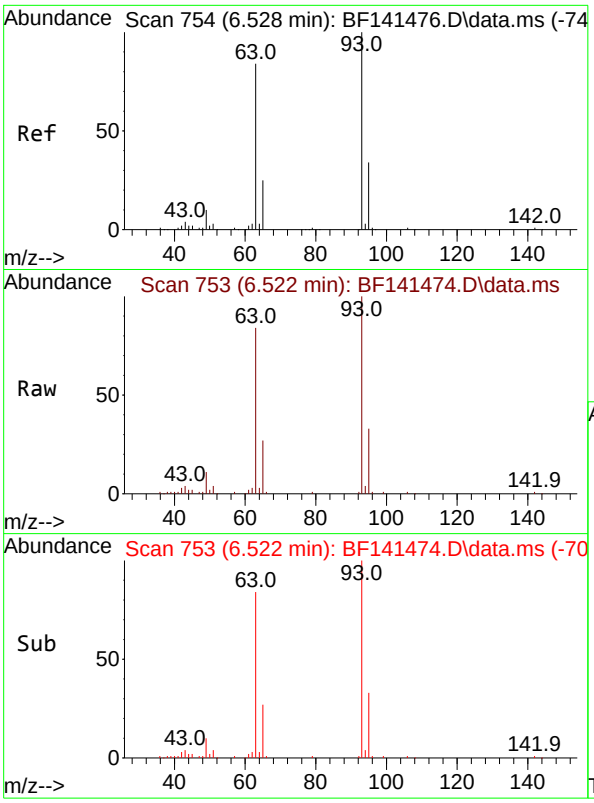


#10
Phenol
Concen: 10.015 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 94 Resp: 74689

Ion	Ratio	Lower	Upper
94	100		
65	46.1	23.7	63.7
66	73.1	49.3	89.3



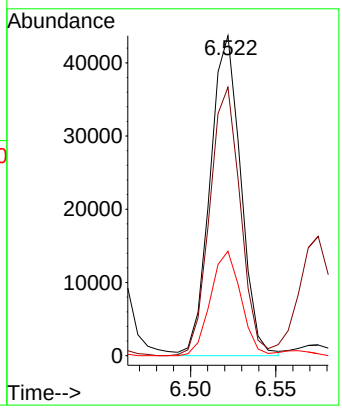


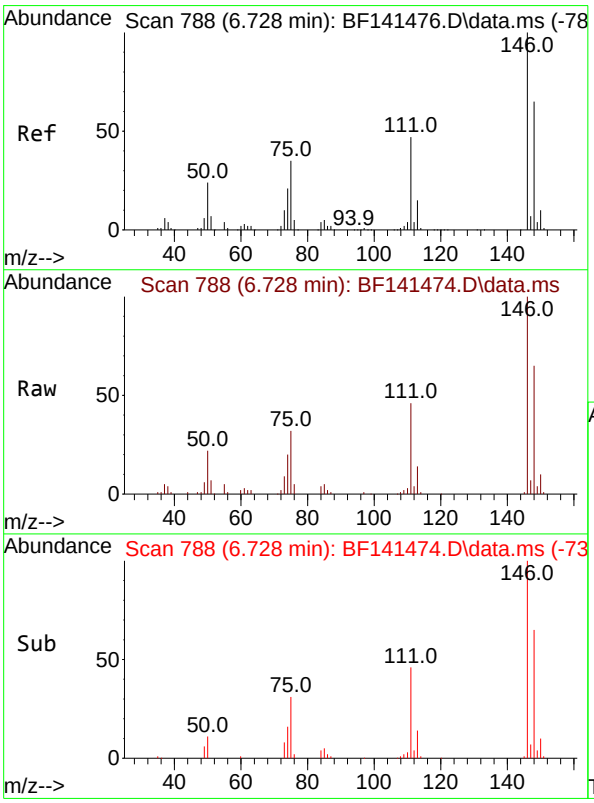
#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 54627

Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.6	12.6	52.6

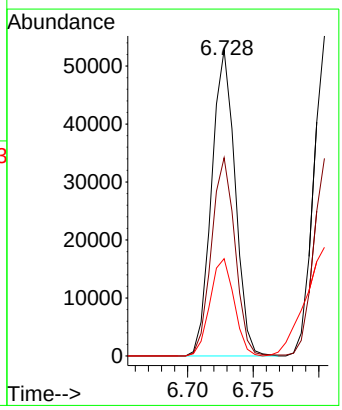


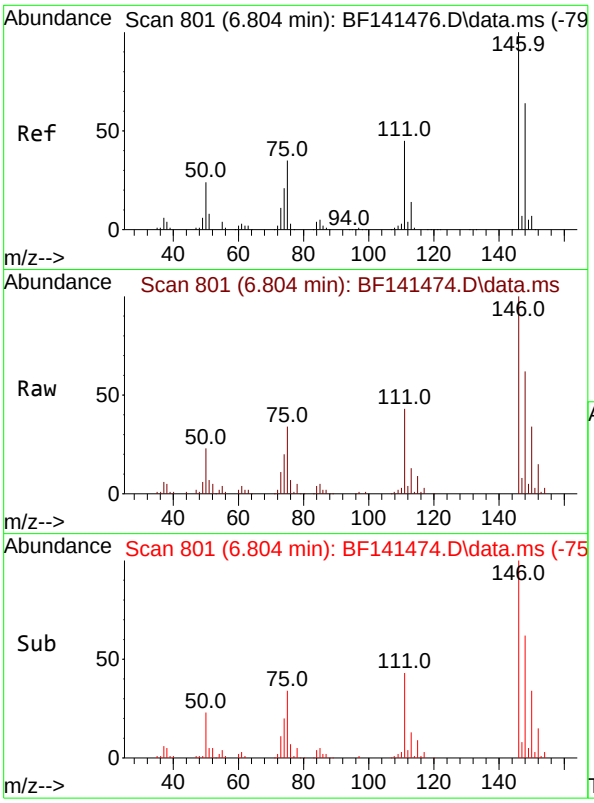


#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 65850

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	31.8	28.2	42.2



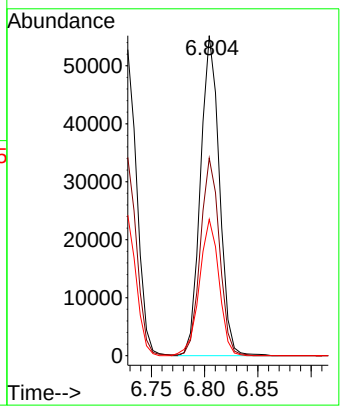


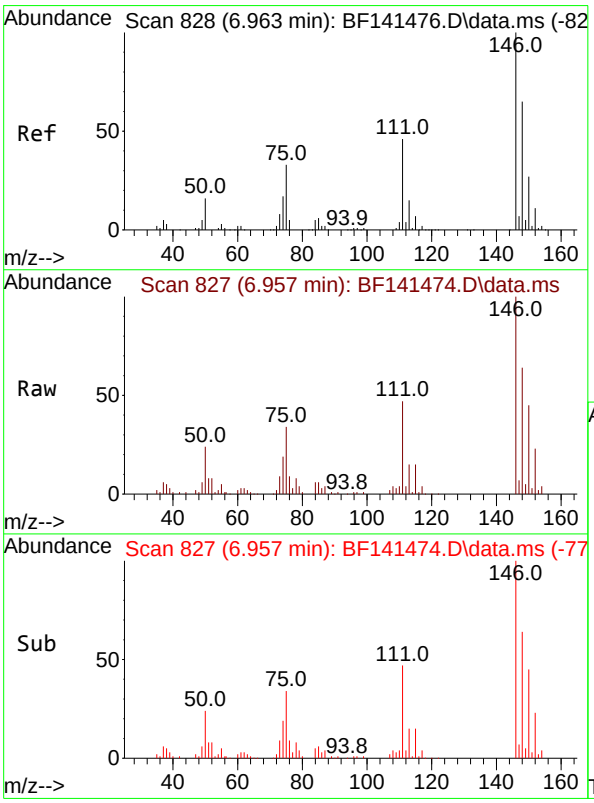
#13
1,4-Dichlorobenzene
Concen: 10.341 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 68330

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.9	76.3
111	42.6	35.9	53.9

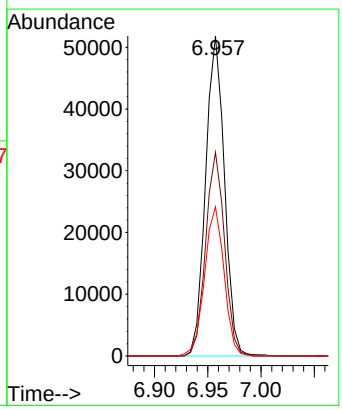


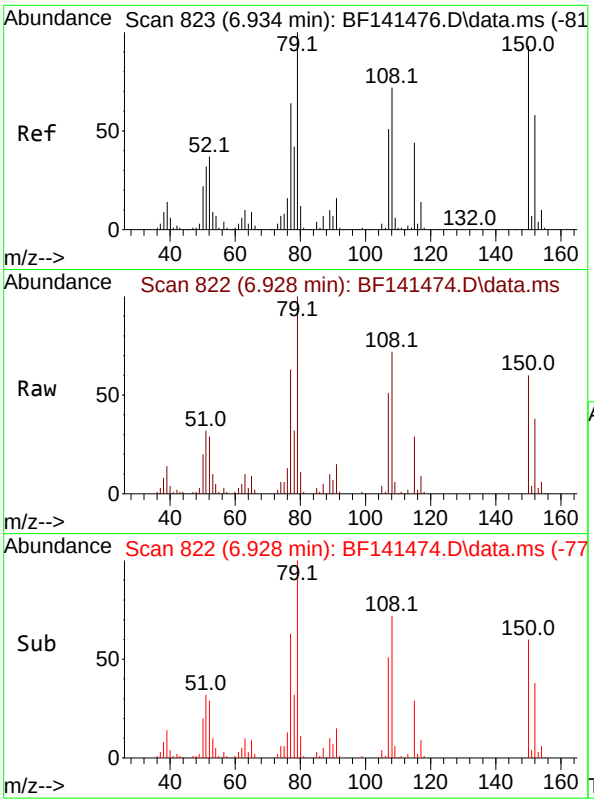


#14
1,2-Dichlorobenzene
Concen: 10.428 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 63948

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.6
111	46.6	37.0	55.4



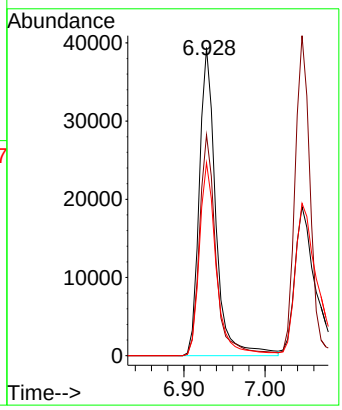


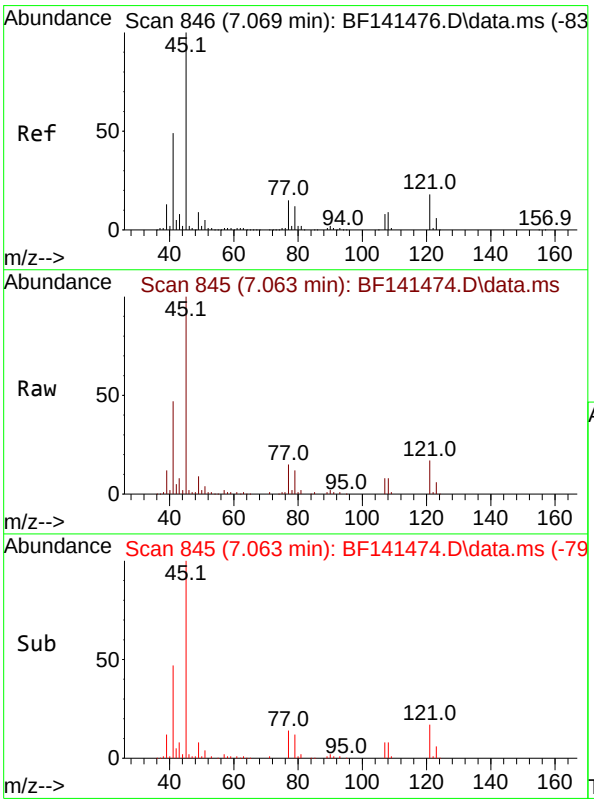
#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 55580

Ion	Ratio	Lower	Upper
79	100		
108	71.7	57.4	86.2
77	62.6	50.9	76.3

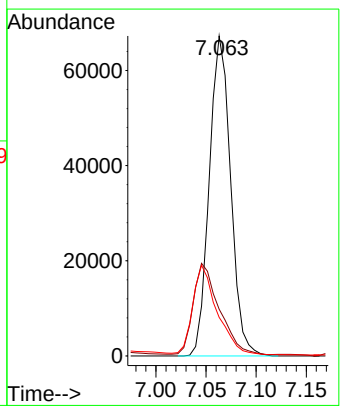


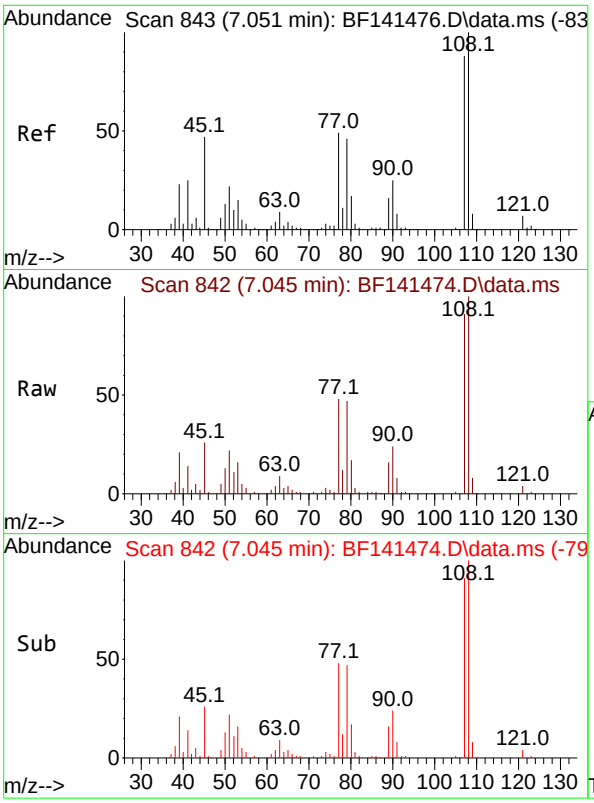


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.406 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 45 Resp: 99782

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.8
79	12.1	0.0	32.7



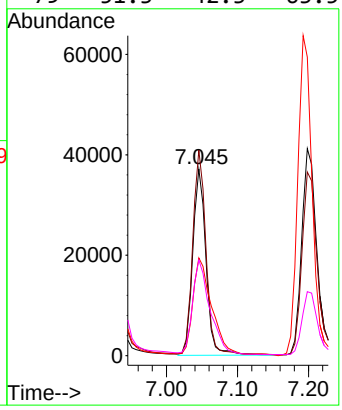


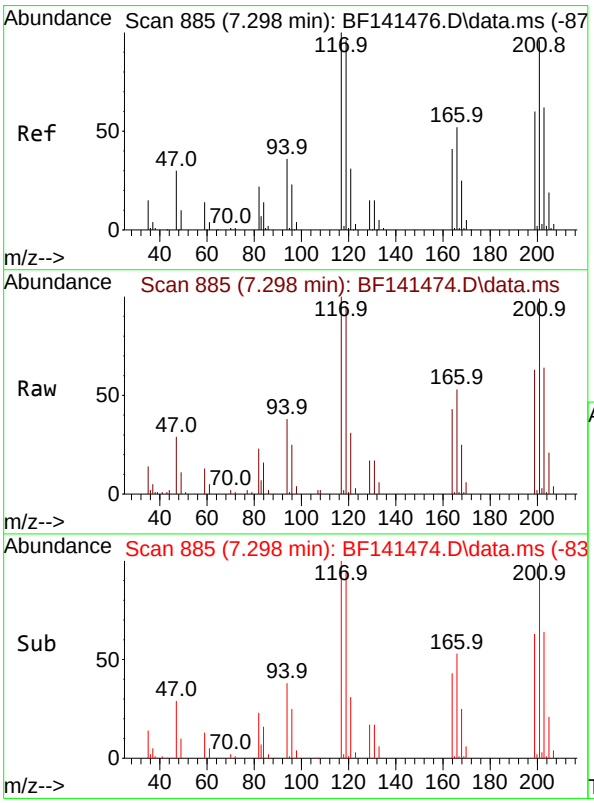
#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 48375

Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.6	136.0
77	52.4	44.4	66.6
79	51.3	42.3	63.5

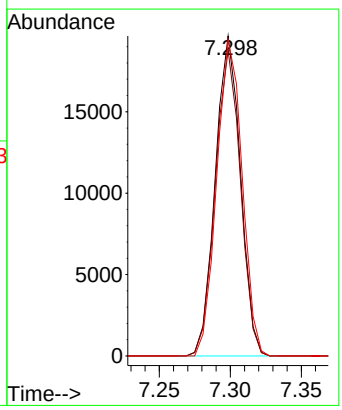


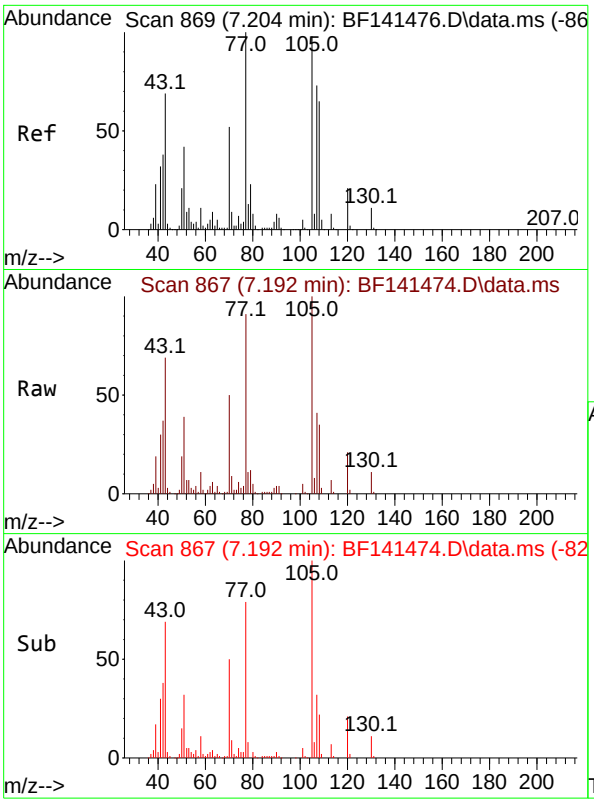


#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:117 Resp: 24233

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
201	98.8	76.7	115.1



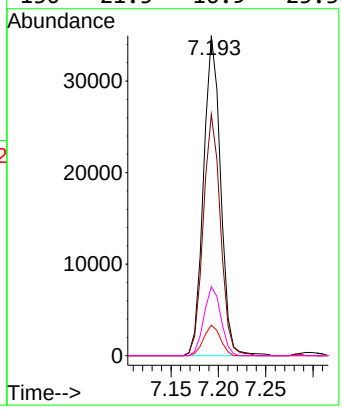


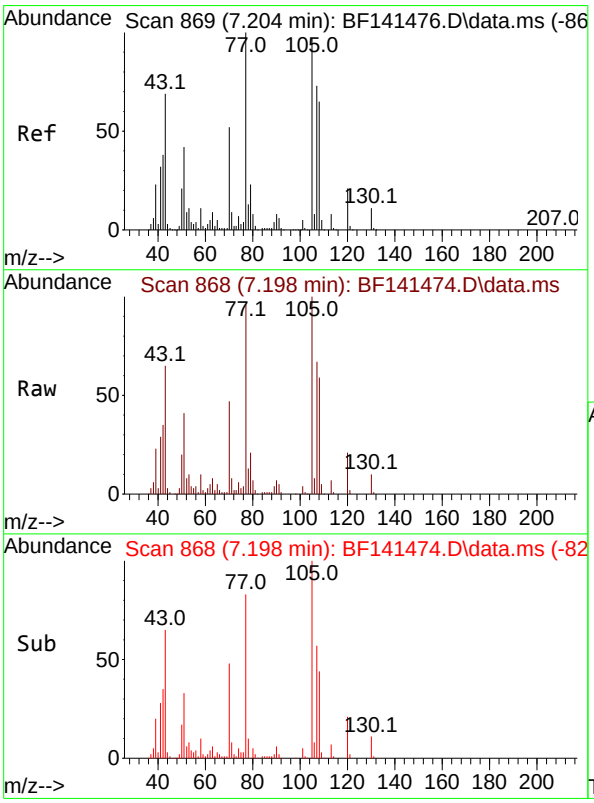
#19
n-Nitroso-di-n-propylamine
Concen: 10.210 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 43762

Ion	Ratio	Lower	Upper
70	100		
42	75.4	57.4	86.2
101	9.5	8.0	12.0
130	21.5	16.9	25.3

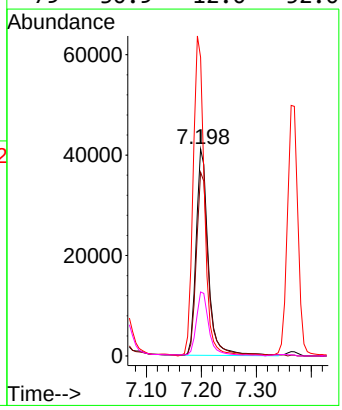


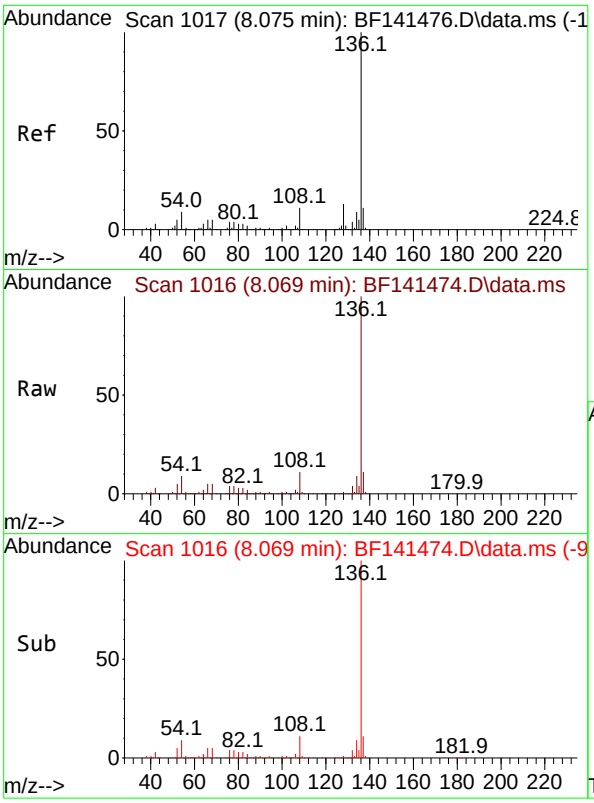


#20
3+4-Methylphenols
Concen: 10.332 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 62949

Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.5	108.5
77	144.2	116.5	156.5
79	30.9	12.0	52.0



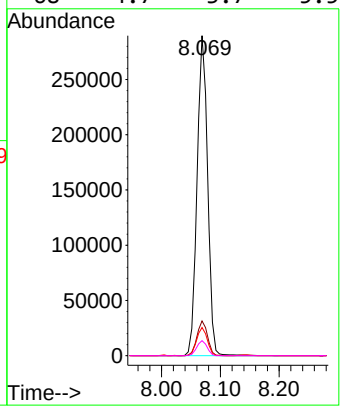


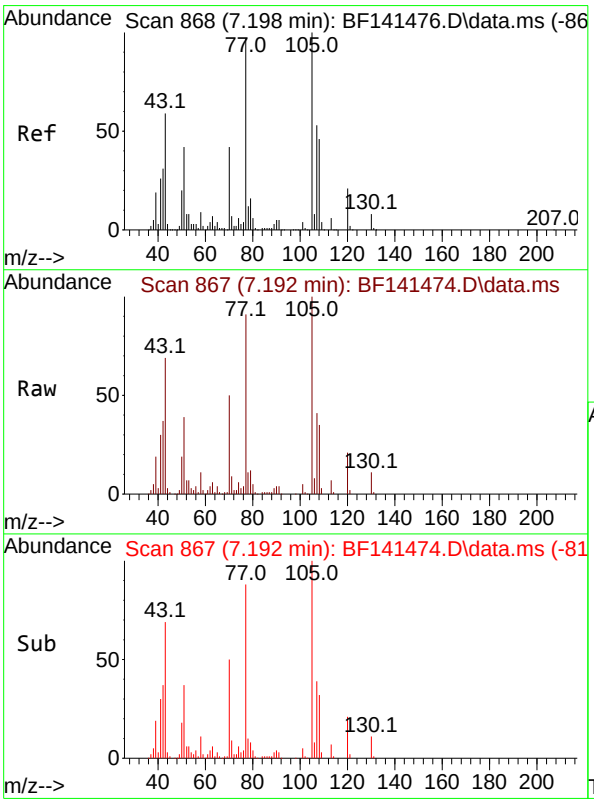
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 361197

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.2	10.8
68	4.7	3.7	5.5

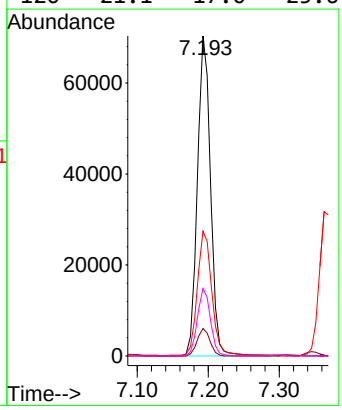


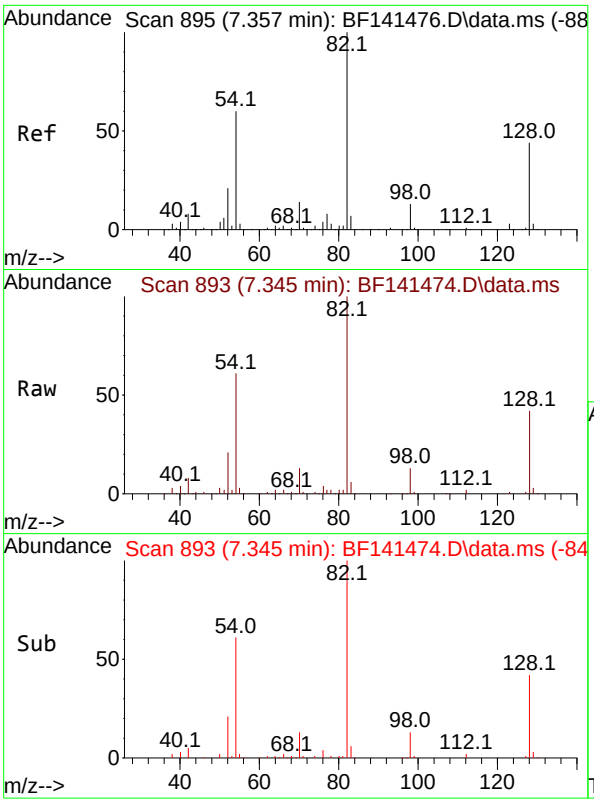


#22
Acetophenone
Concen: 10.085 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:105 Resp: 90614

Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.7	8.5#
51	39.0	33.7	50.5
120	21.1	17.0	25.6



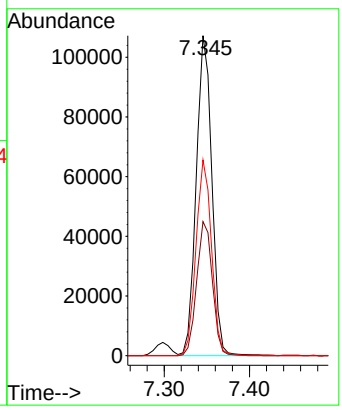


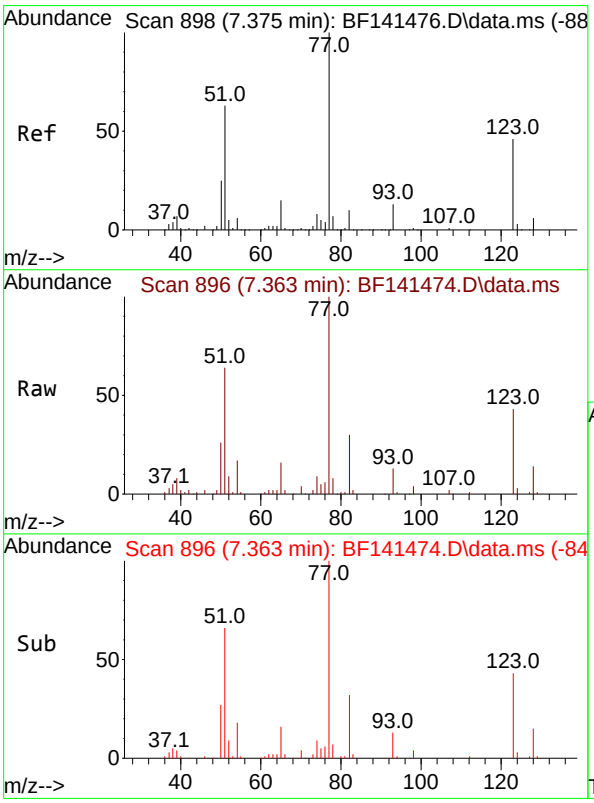
#23
Nitrobenzene-d5
Concen: 19.783 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 136996

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.8	52.2
54	61.2	48.2	72.4

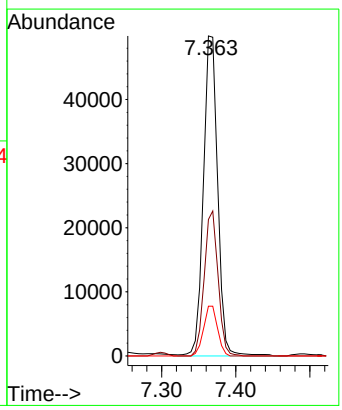


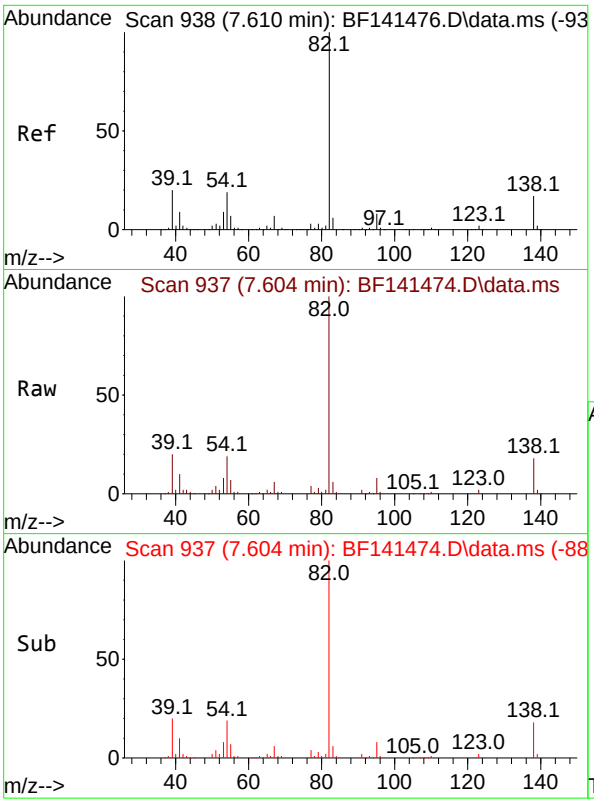


#24
Nitrobenzene
Concen: 9.927 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 67032

Ion	Ratio	Lower	Upper
77	100		
123	42.7	36.9	55.3
65	15.5	11.9	17.9



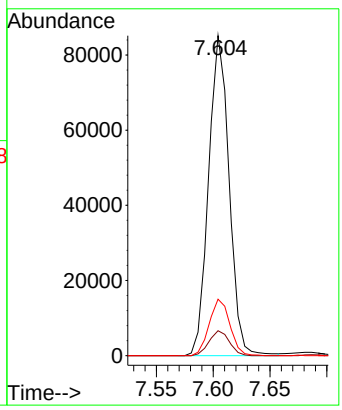


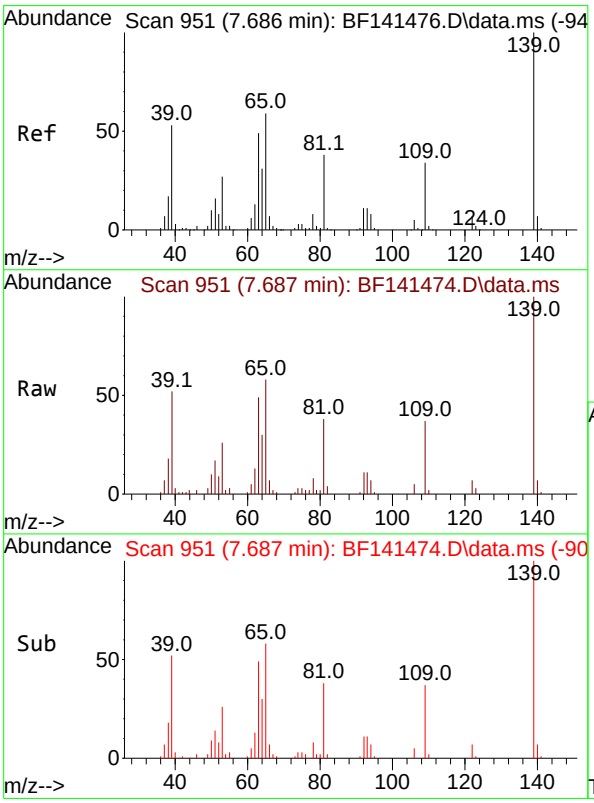
#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 107242

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.7	13.9	20.9

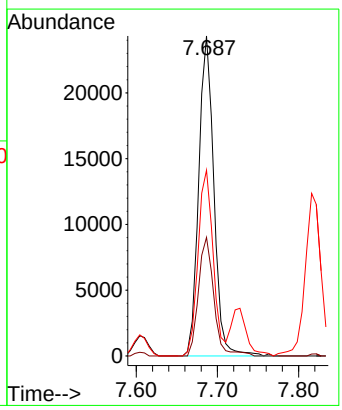


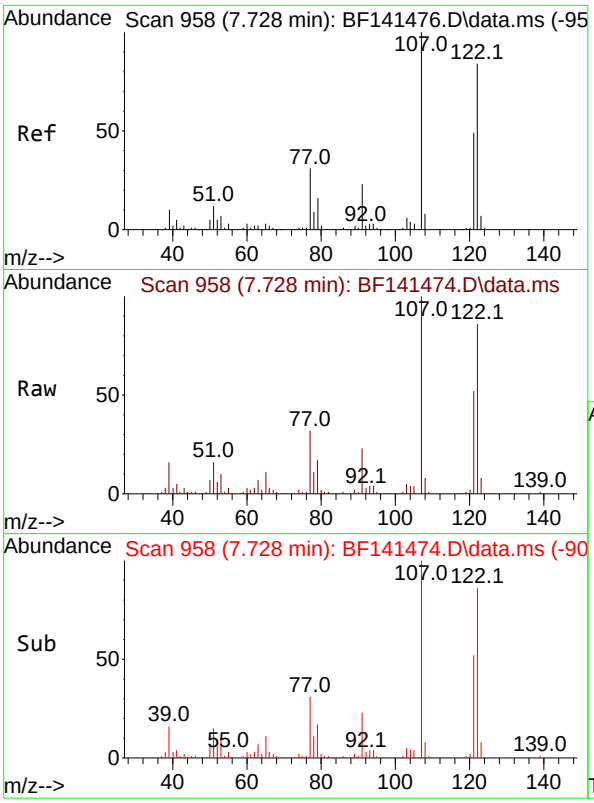


#26
2-Nitrophenol
Concen: 9.403 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:139 Resp: 31590

Ion	Ratio	Lower	Upper
139	100		
109	37.1	27.0	40.6
65	58.1	47.1	70.7



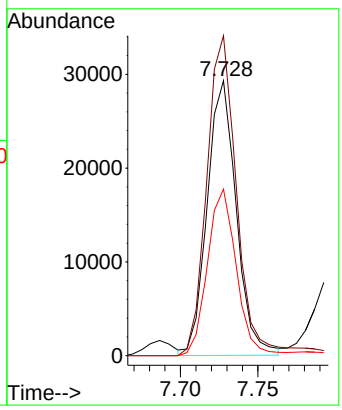


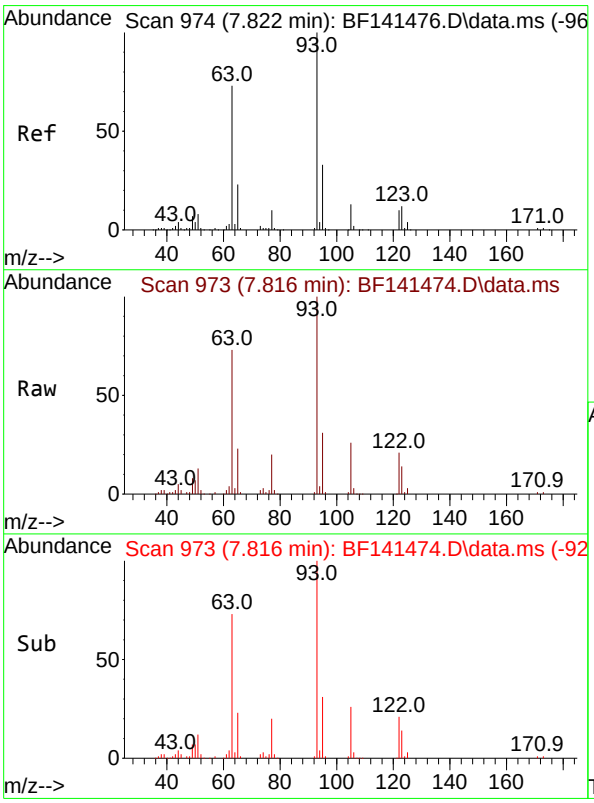
#27
2,4-Dimethylphenol
Concen: 9.759 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 38303

Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	60.5	46.0	69.0

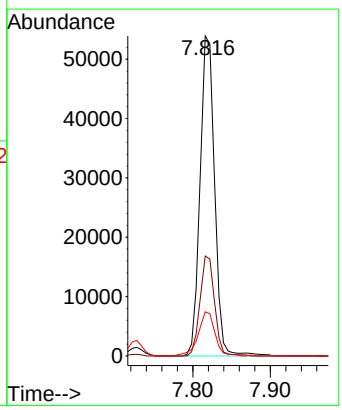


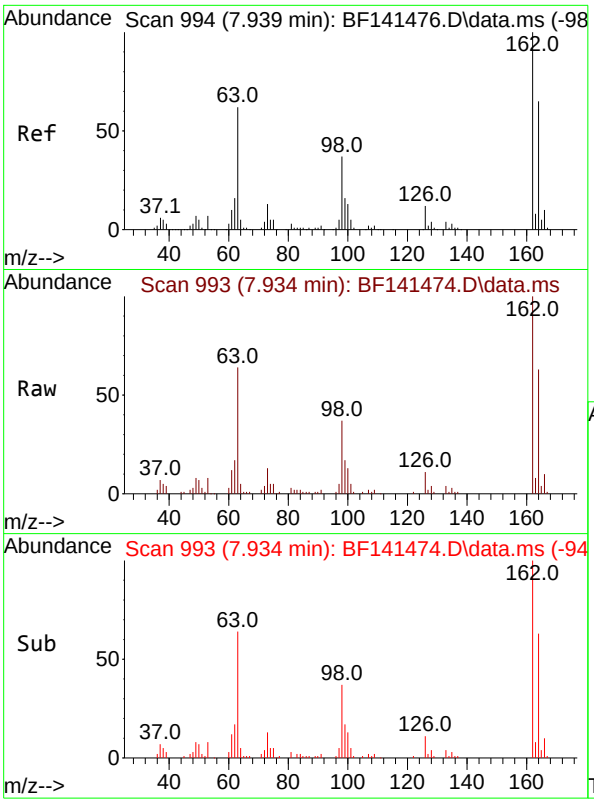


#28
bis(2-Chloroethoxy)methane
Concen: 9.958 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 70458

Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.1	39.1
123	13.8	9.5	14.3



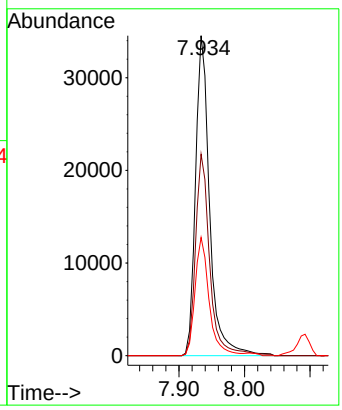


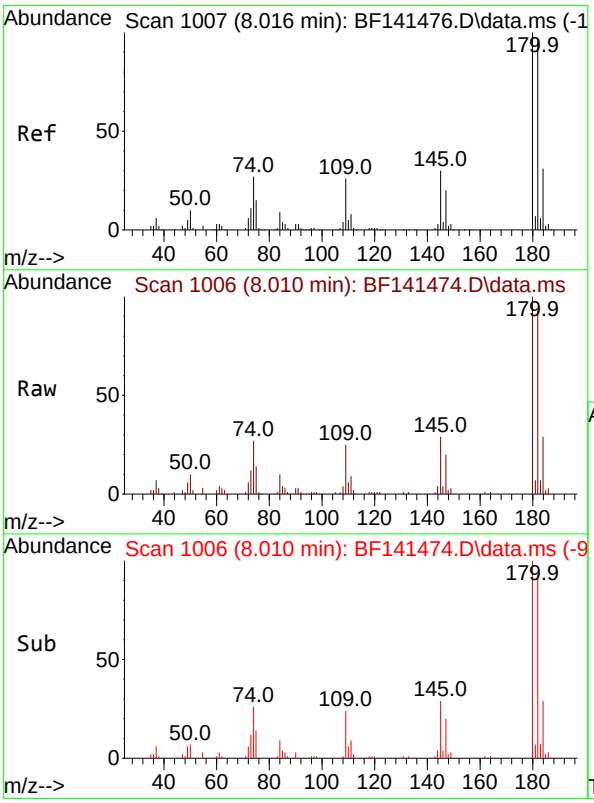
#29
2,4-Dichlorophenol
Concen: 9.784 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 51883

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	36.9	17.2	57.2

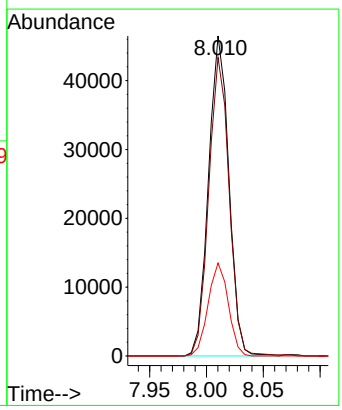


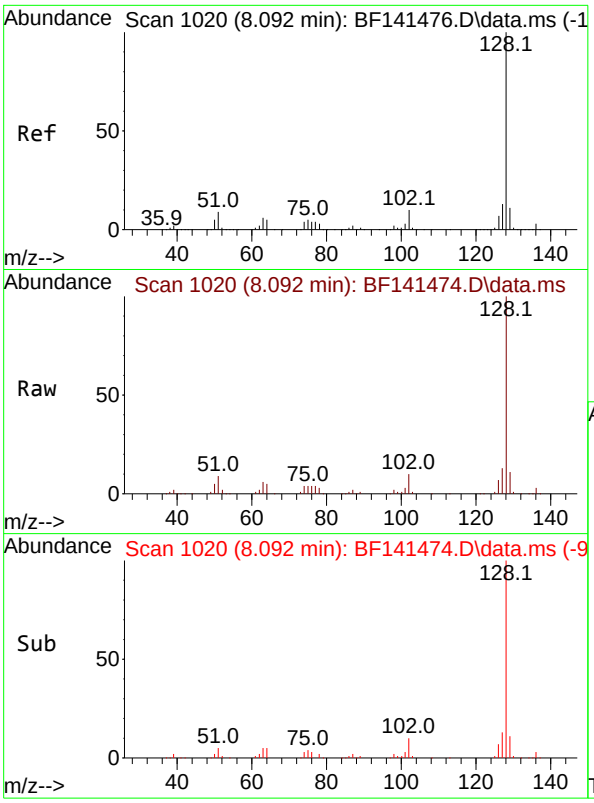


#30
1,2,4-Trichlorobenzene
Concen: 10.033 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:180 Resp: 57937

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.8	115.2
145	29.1	24.2	36.4



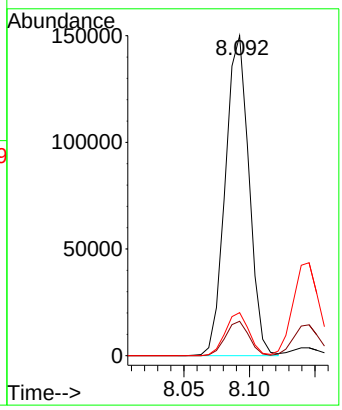


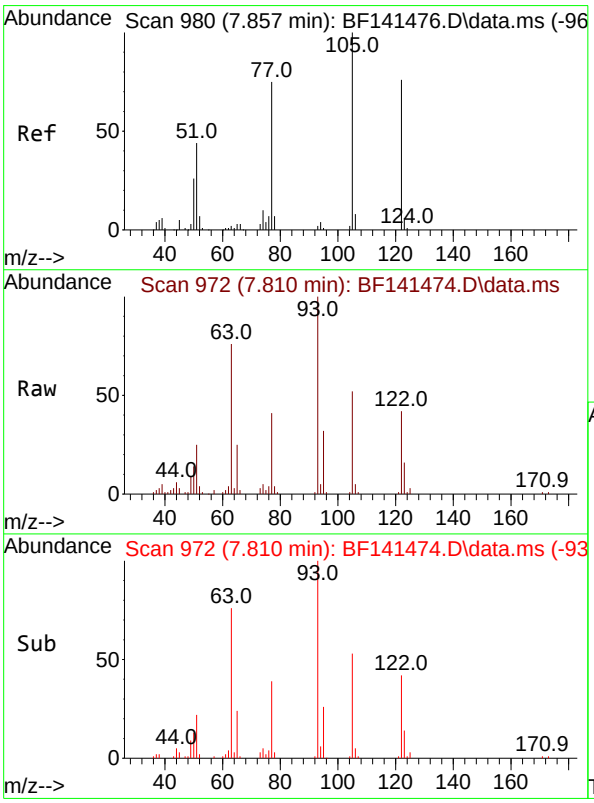
#31
Naphthalene
Concen: 10.002 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 188046

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.5	10.7	16.1

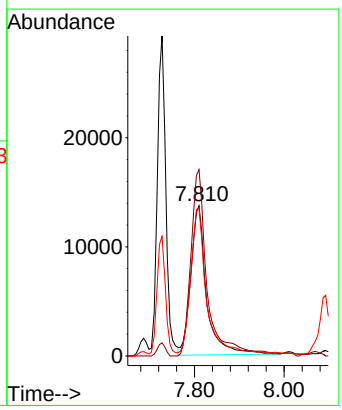


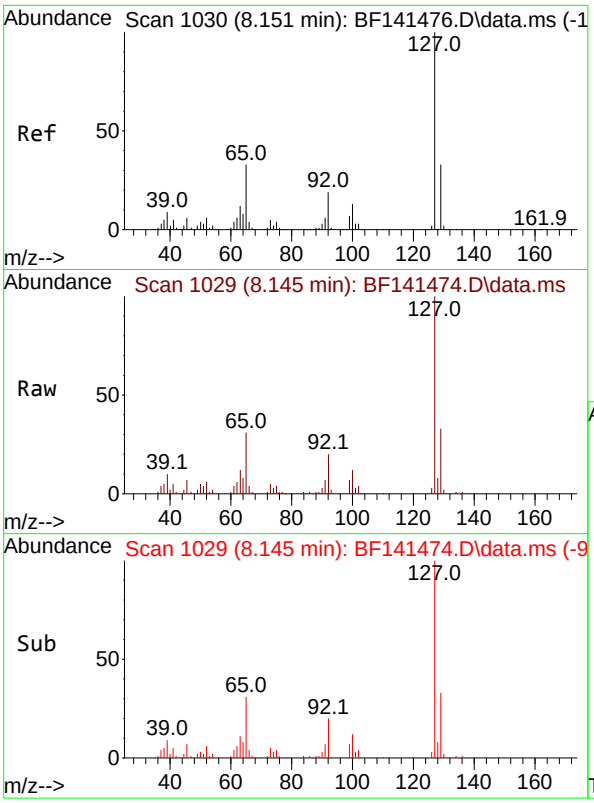


#32
Benzoic acid
Concen: 8.253 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:122 Resp: 33645

Ion	Ratio	Lower	Upper
122	100		
105	124.1	106.5	146.5
77	98.6	76.3	116.3



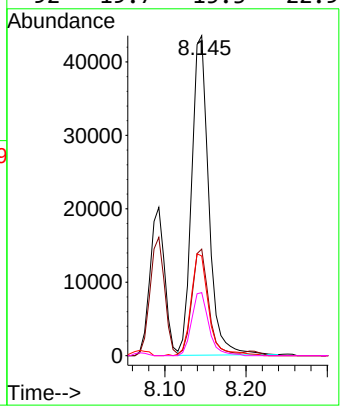


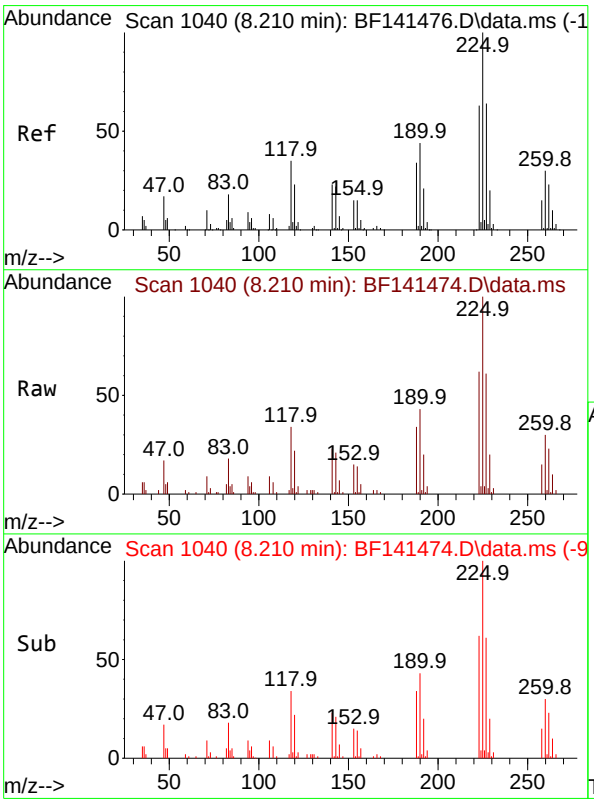
#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 63529

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.5	39.7
65	31.2	26.4	39.6
92	19.7	15.3	22.9

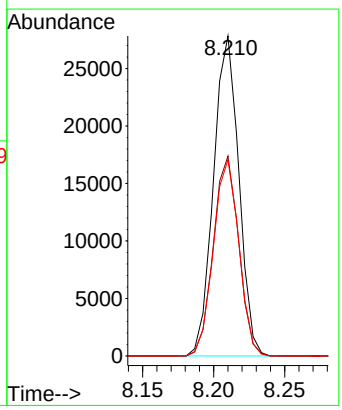


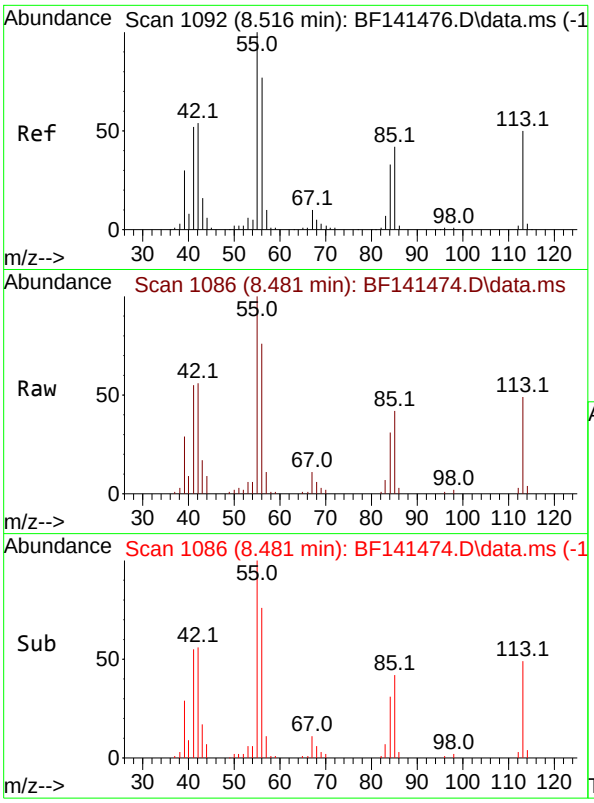


#34
Hexachlorobutadiene
Concen: 9.932 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:225 Resp: 34431

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.1	75.1
227	61.3	51.0	76.6



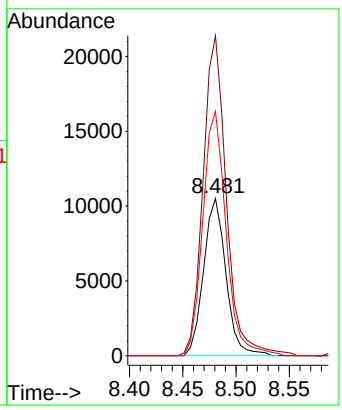


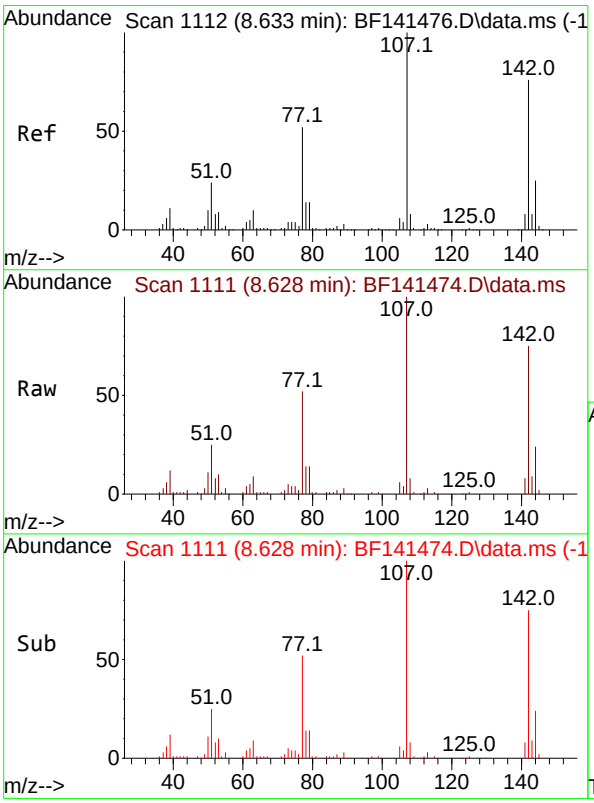
#35
Caprolactam
Concen: 9.495 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.065 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 15331

Ion	Ratio	Lower	Upper
113	100		
55	203.4	180.8	220.8
56	155.4	133.6	173.6

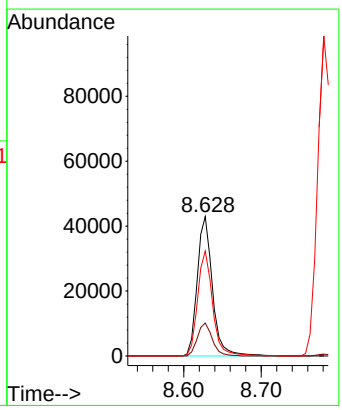


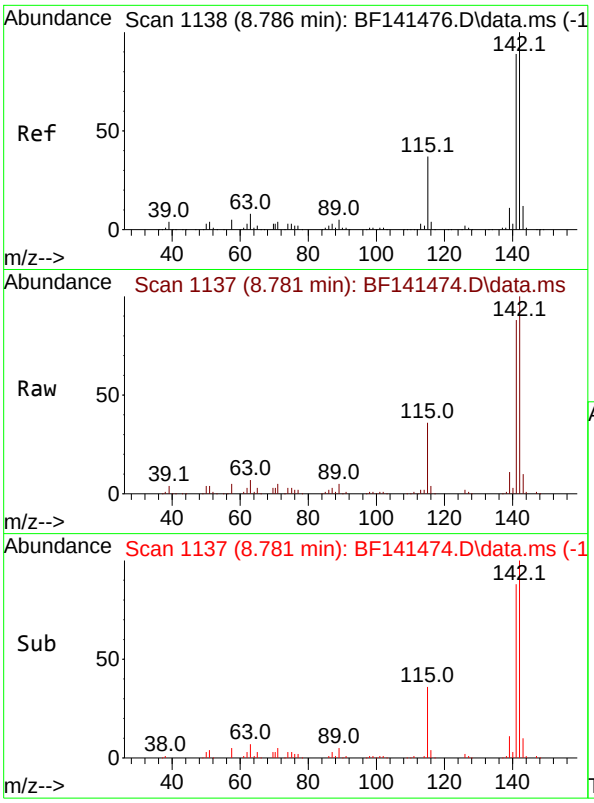


#36
4-Chloro-3-methylphenol
Concen: 9.949 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 58441

Ion	Ratio	Lower	Upper
107	100		
144	23.7	19.7	29.5
142	75.3	60.8	91.2



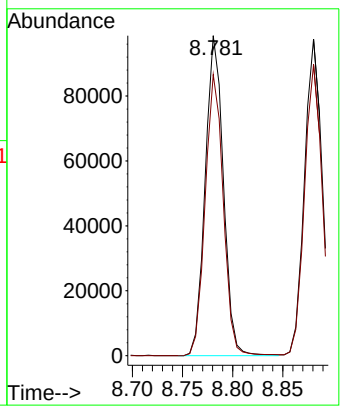


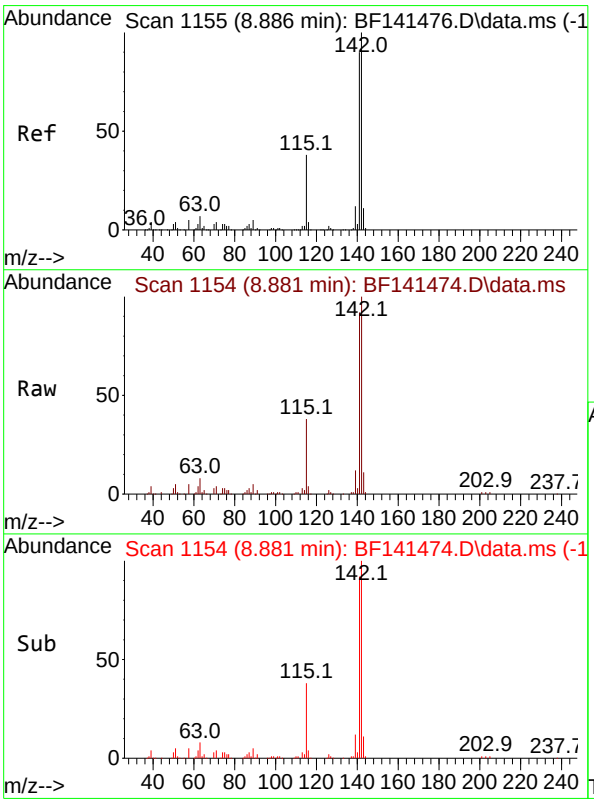
#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 124517

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.2	106.8

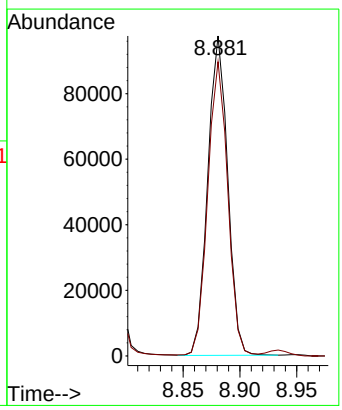


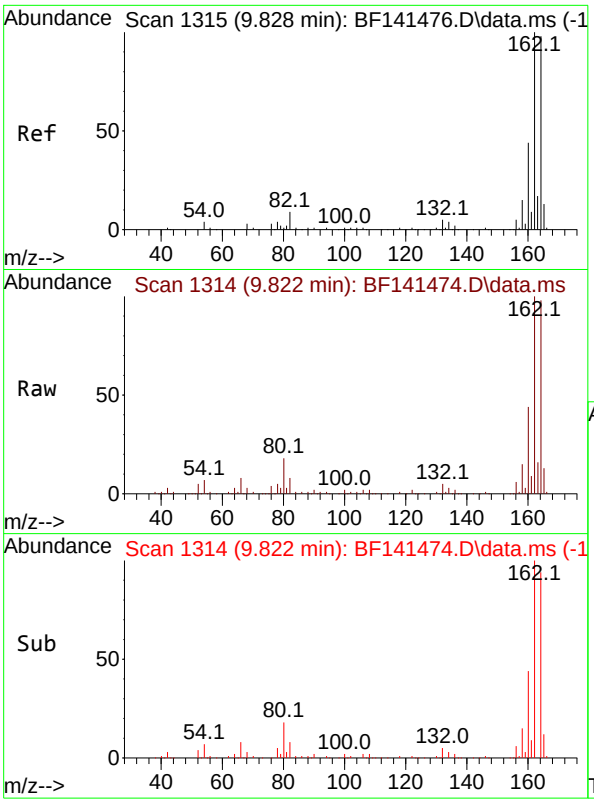


#38
1-Methylnaphthalene
Concen: 10.019 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 118722

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.1	108.1



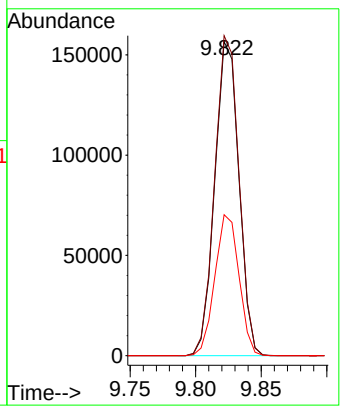


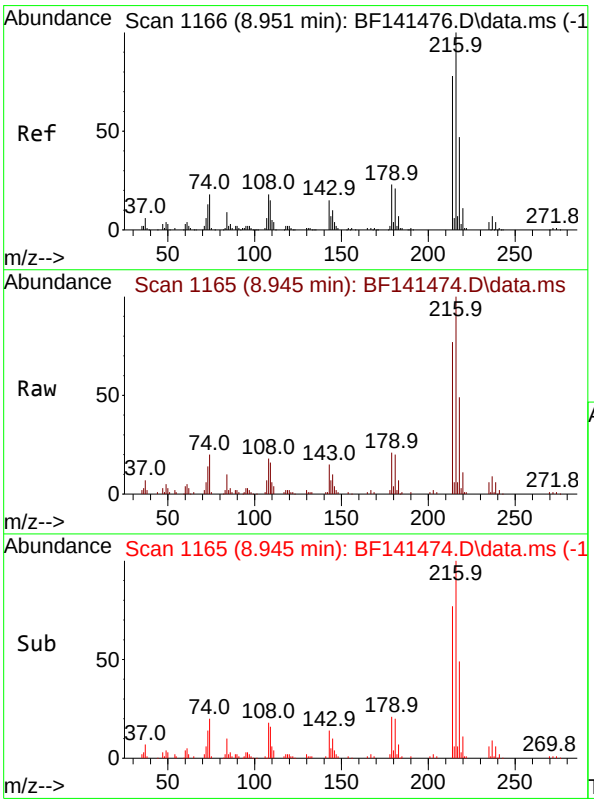
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 200046

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.3	121.9
160	44.9	35.9	53.9

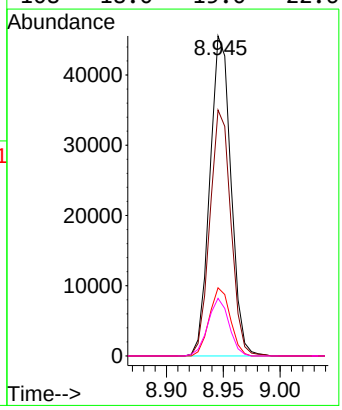


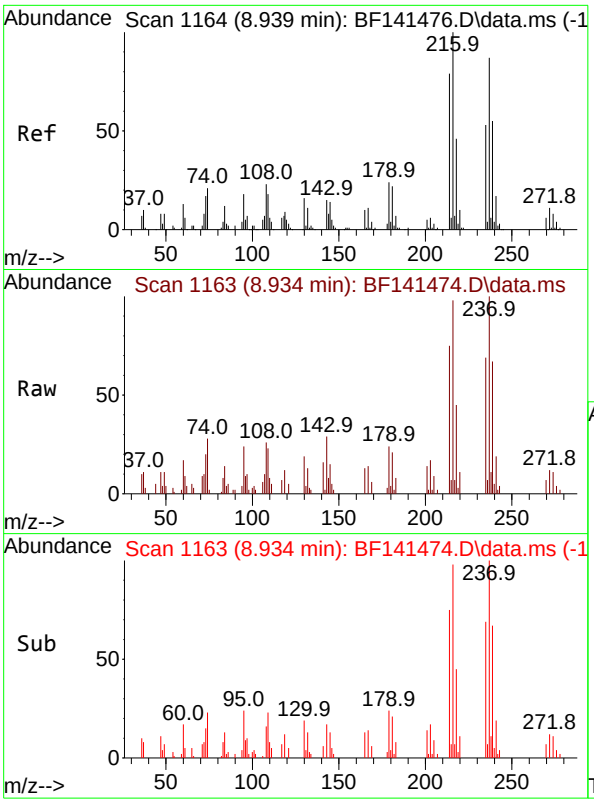


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.160 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:216 Resp: 58800

Ion	Ratio	Lower	Upper
216	100		
214	76.5	62.3	93.5
179	21.1	18.0	27.0
108	18.0	15.0	22.6



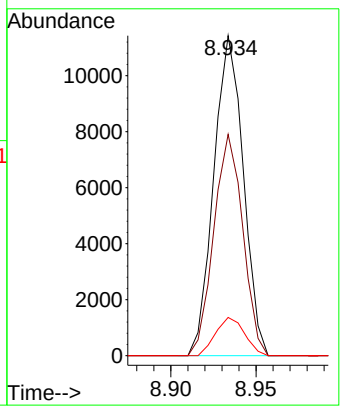


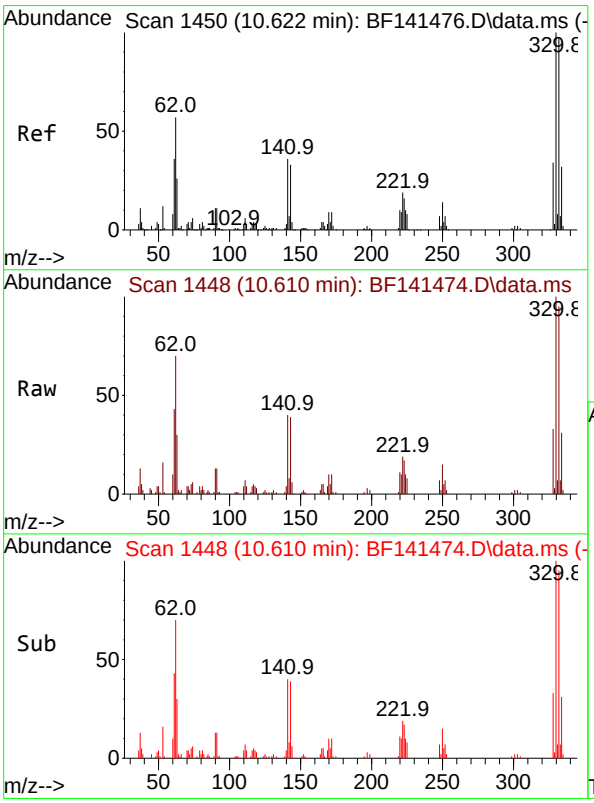
#41
Hexachlorocyclopentadiene
Concen: 7.161 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 13785

Ion	Ratio	Lower	Upper
237	100		
235	69.2	41.4	81.4
272	11.9	0.0	32.4

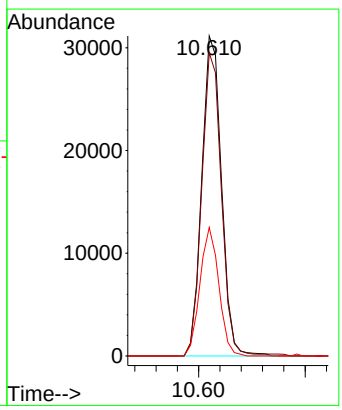


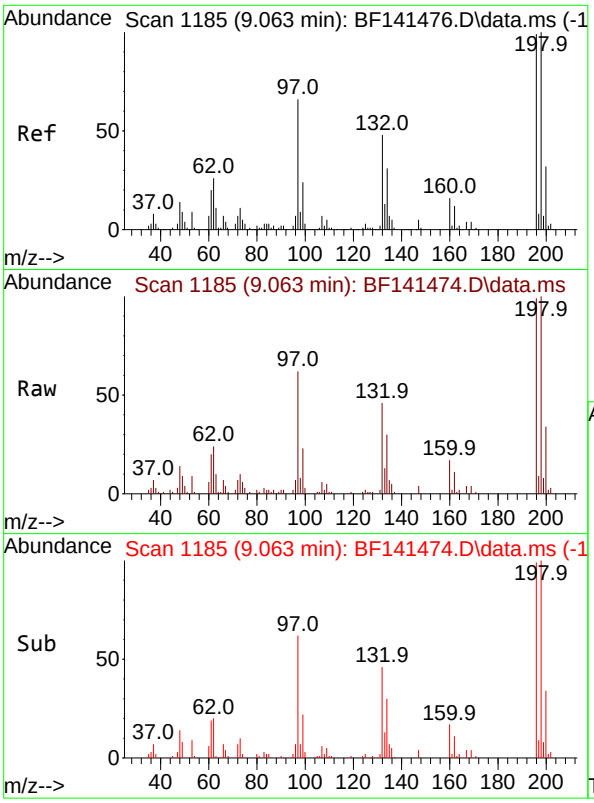


#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:330 Resp: 40073

Ion	Ratio	Lower	Upper
330	100		
332	94.1	78.5	117.7
141	38.6	31.0	46.4



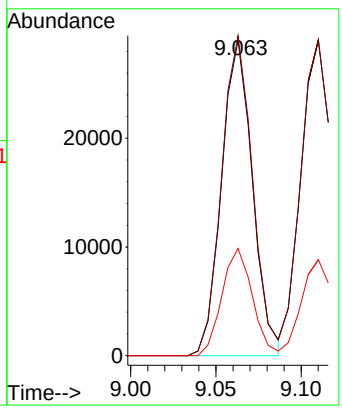


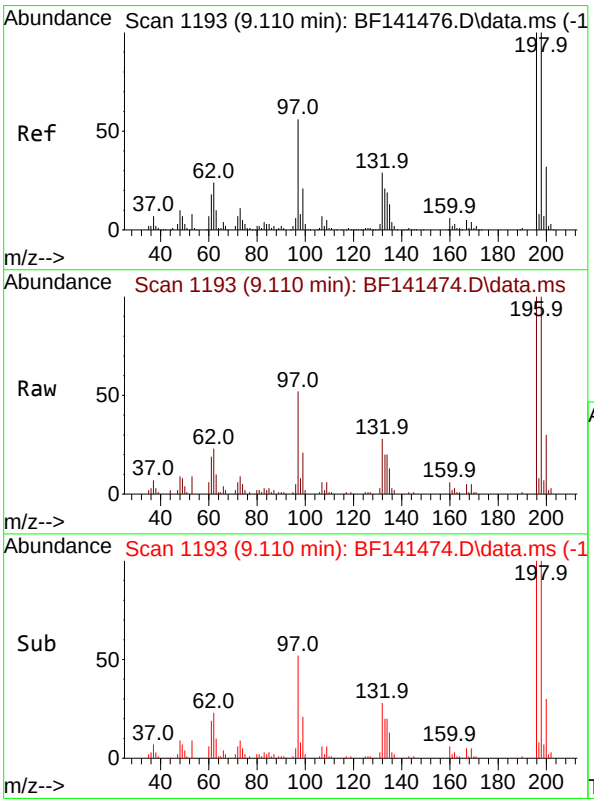
#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 36558

Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.6	121.0
200	34.0	25.5	38.3

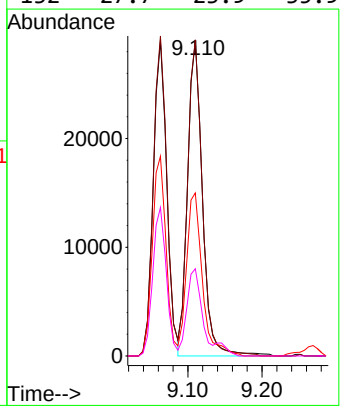


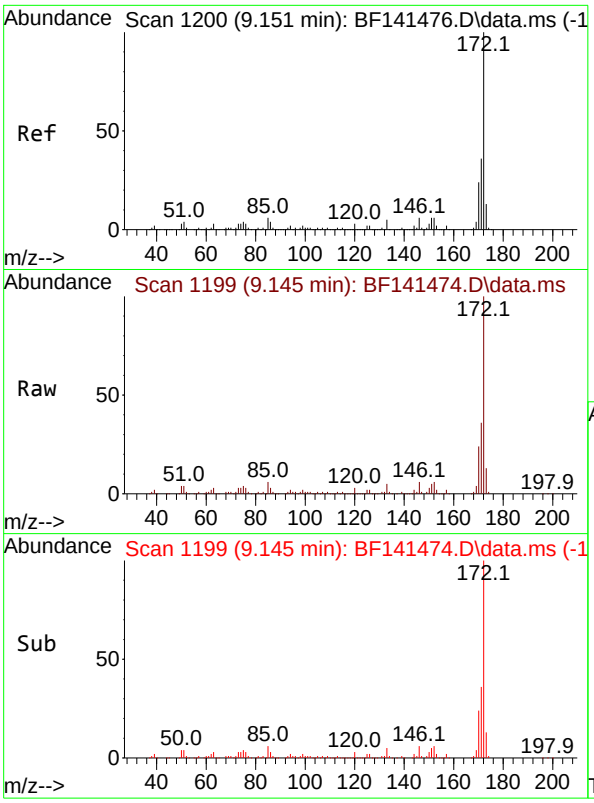


#44
2,4,5-Trichlorophenol
Concen: 10.039 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:196 Resp: 40697

Ion	Ratio	Lower	Upper
196	100		
198	100.3	79.8	119.8
97	51.7	44.8	67.2
132	27.7	23.9	35.9



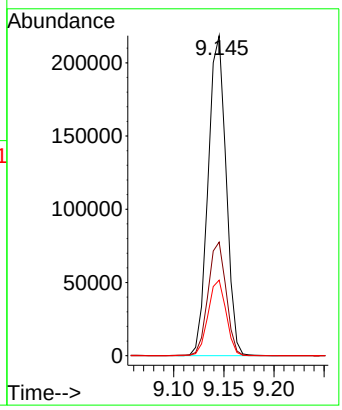


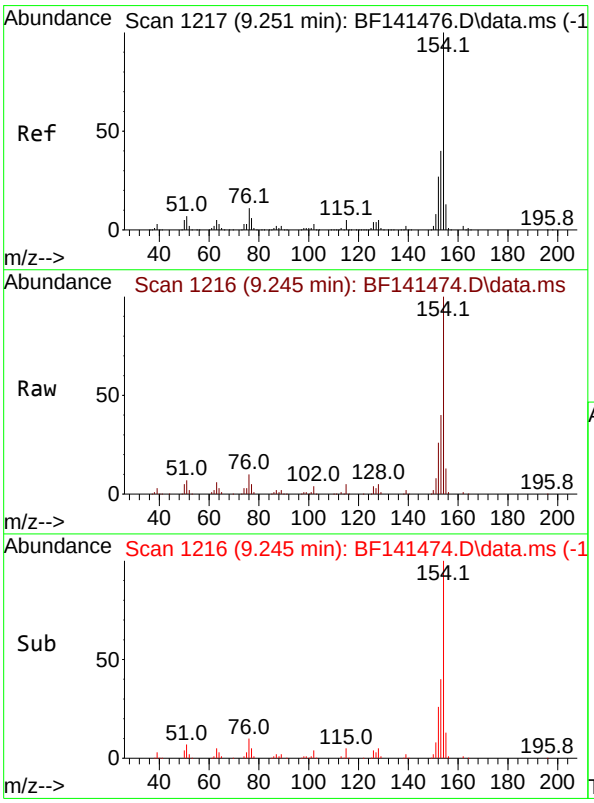
#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 271988

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.6	18.9	28.3

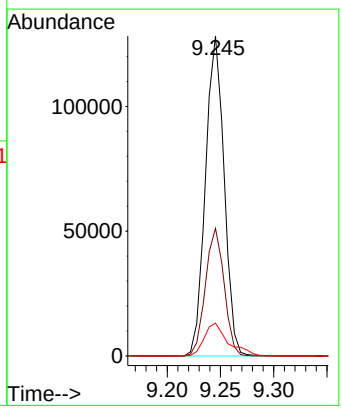


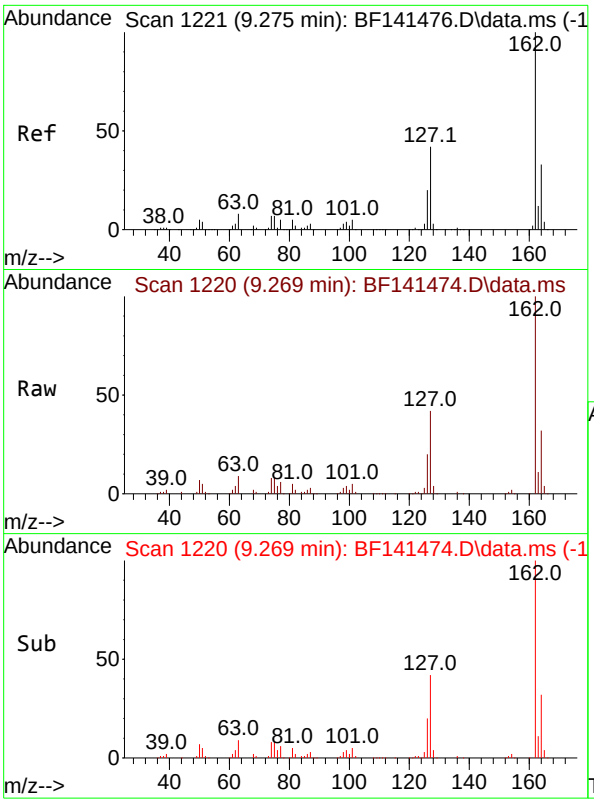


#46
1,1'-Biphenyl
Concen: 10.086 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 156431

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.4	60.4
76	10.3	0.0	30.8



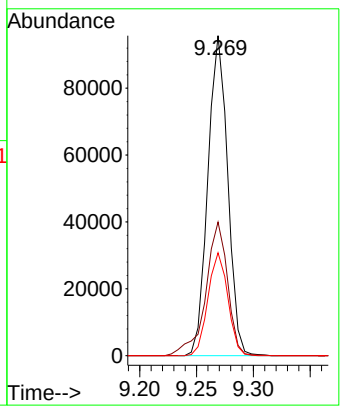


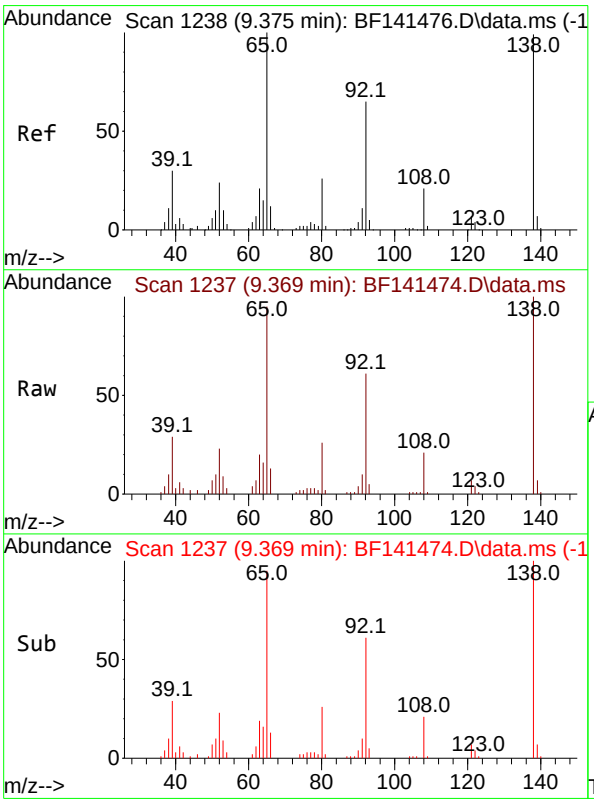
#47
2-Chloronaphthalene
Concen: 10.125 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 116119

Ion	Ratio	Lower	Upper
162	100		
127	41.8	34.1	51.1
164	32.1	26.3	39.5

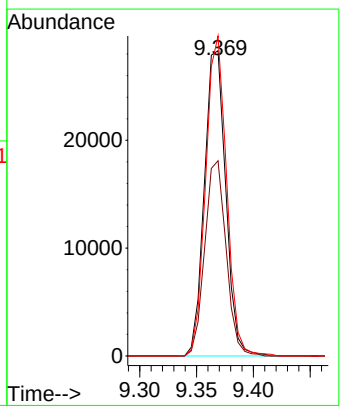


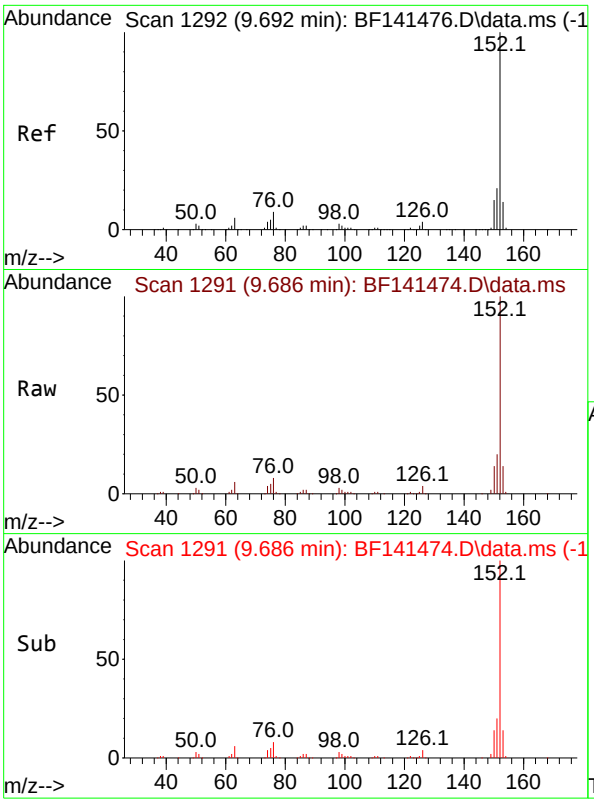


#48
2-Nitroaniline
Concen: 9.653 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 65 Resp: 37155

Ion	Ratio	Lower	Upper
65	100		
92	63.9	52.2	78.2
138	104.8	79.5	119.3



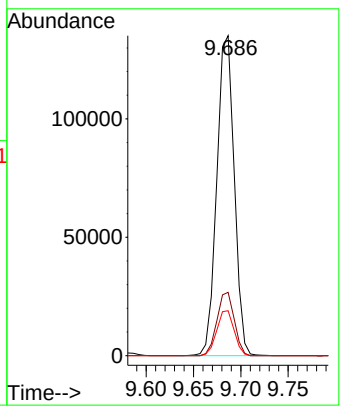


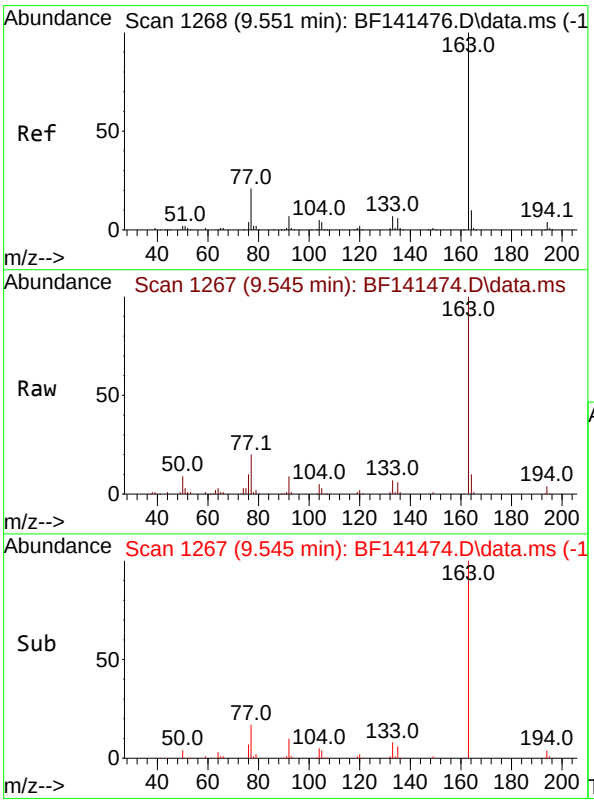
#49
Acenaphthylene
Concen: 10.179 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 173644

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	14.1	10.9	16.3

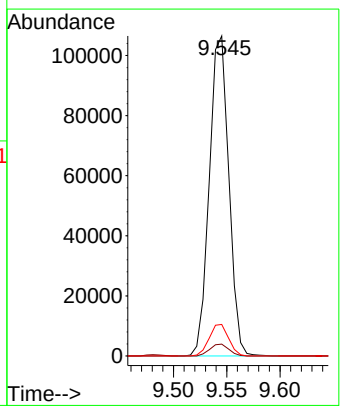


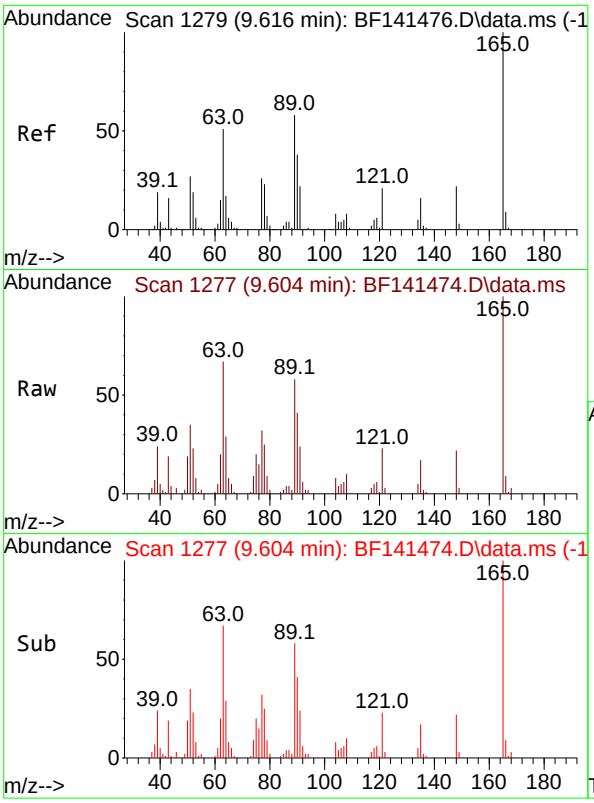


#50
Dimethylphthalate
Concen: 10.006 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:163 Resp: 135886

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.8	7.9	11.9



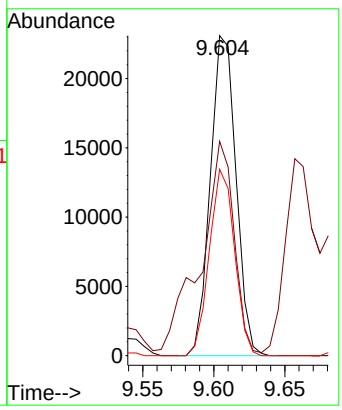


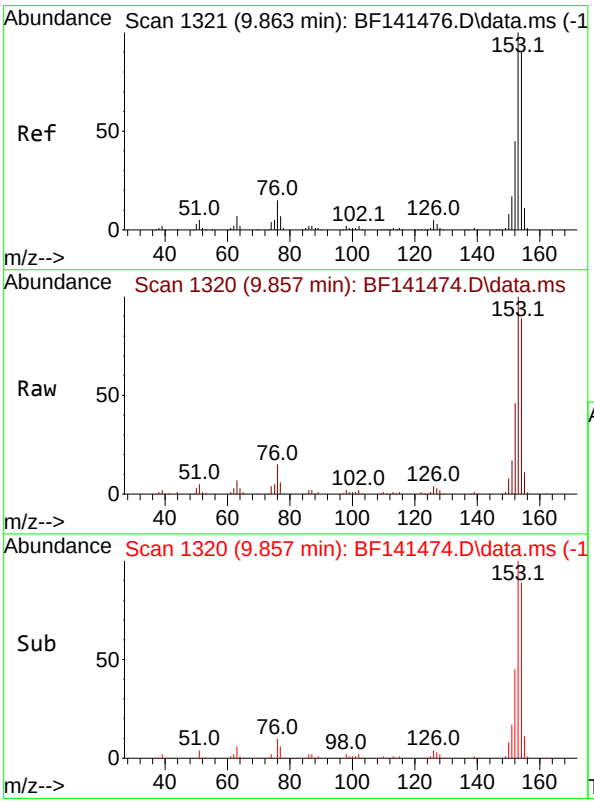
#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 29006

Ion	Ratio	Lower	Upper
165	100		
63	67.0	49.4	74.0
89	58.2	46.5	69.7

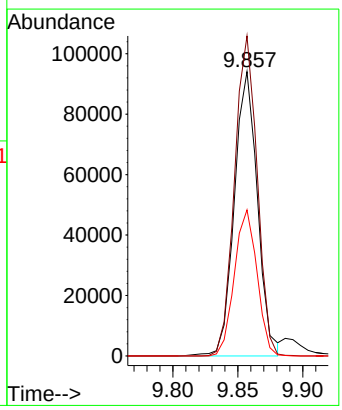


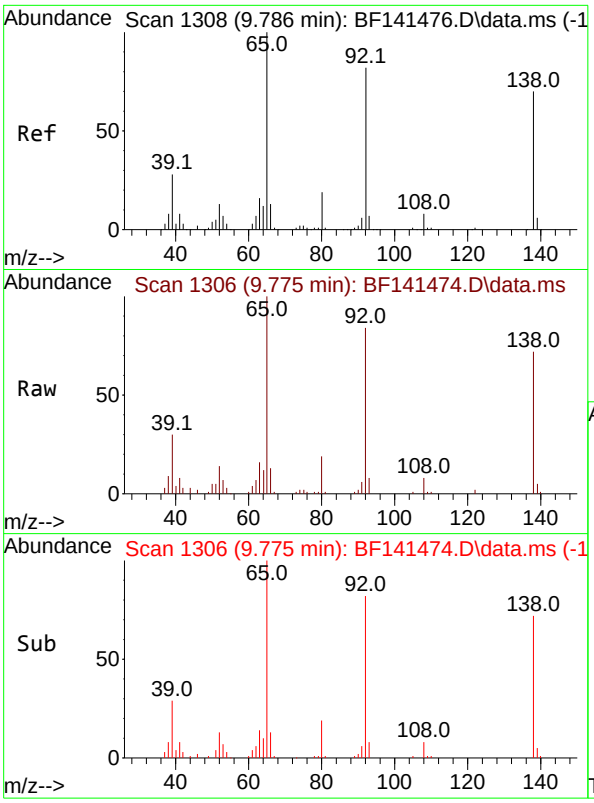


#52
Acenaphthene
Concen: 10.155 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 116461

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.2	133.8
152	51.4	39.8	59.8



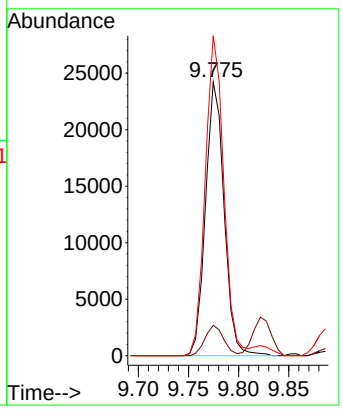


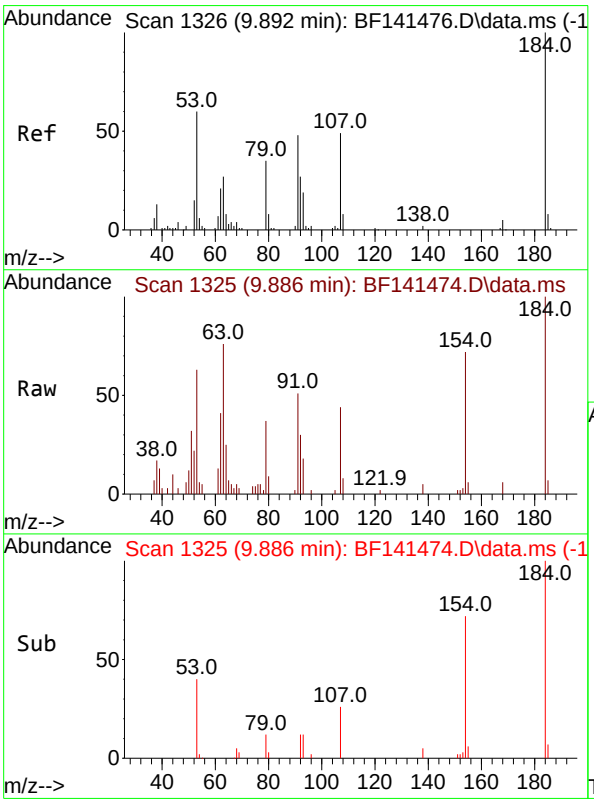
#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 31330

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	116.9	93.7	140.5

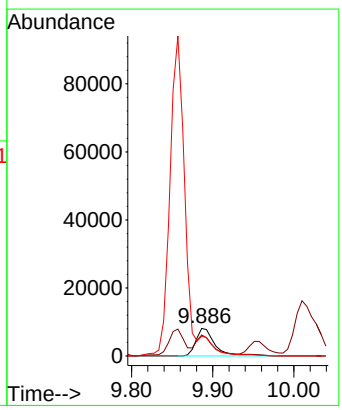


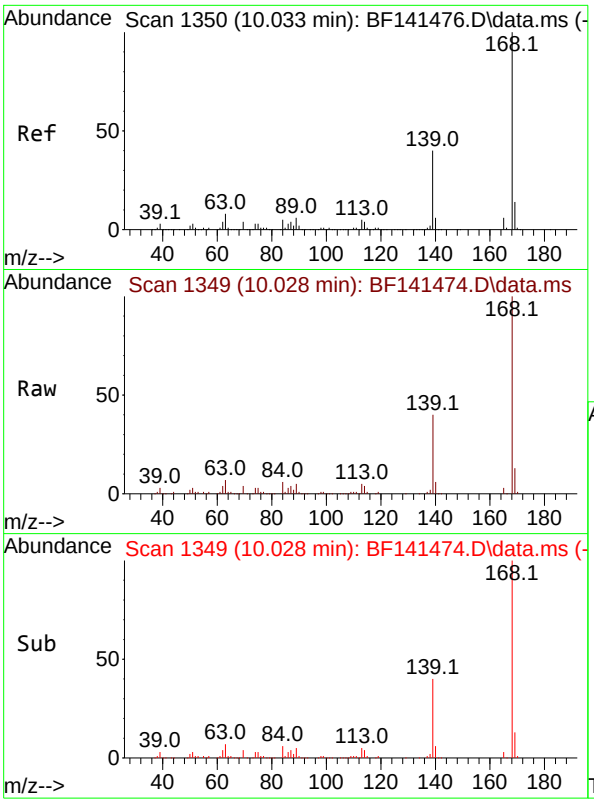


#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:184 Resp: 13341

Ion	Ratio	Lower	Upper
184	100		
63	75.9	61.0	91.6
154	71.6	59.9	89.9



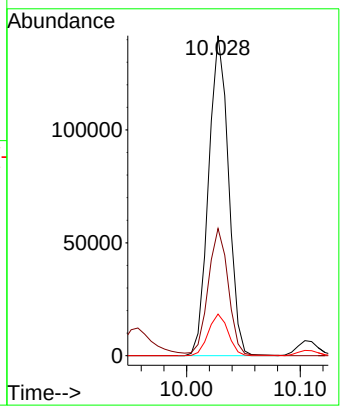


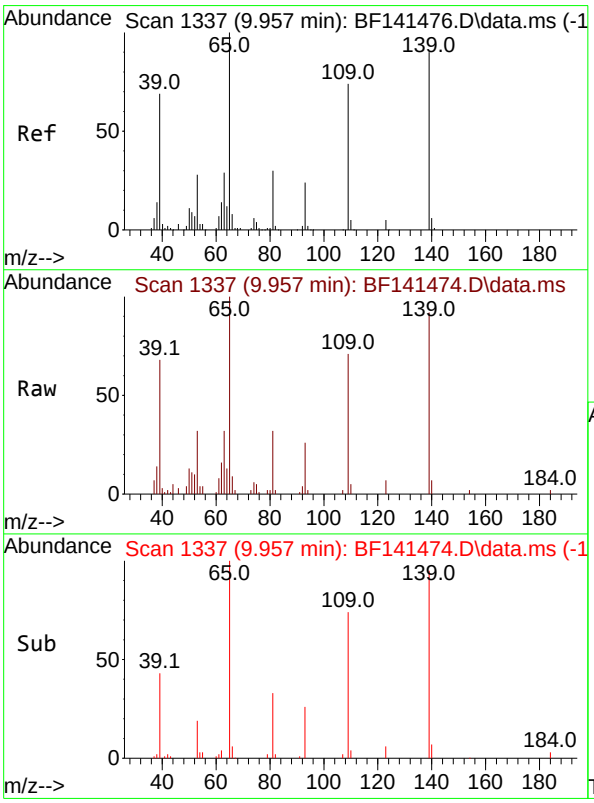
#55
Dibenzofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 172206

Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.7	49.1
169	13.0	10.8	16.2

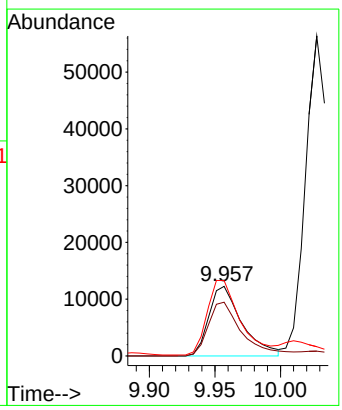


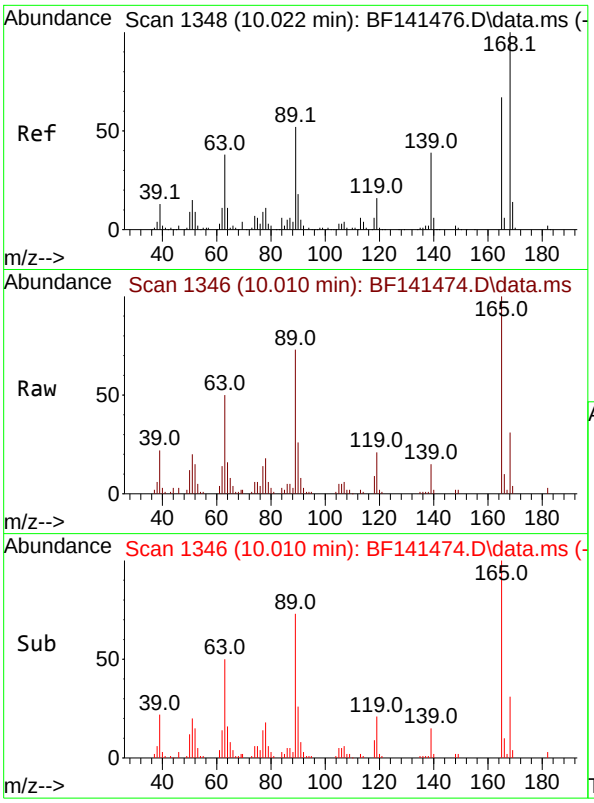


#56
4-Nitrophenol
Concen: 9.093 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:139 Resp: 21569

Ion	Ratio	Lower	Upper
139	100		
109	77.2	62.0	102.0
65	108.2	91.2	131.2



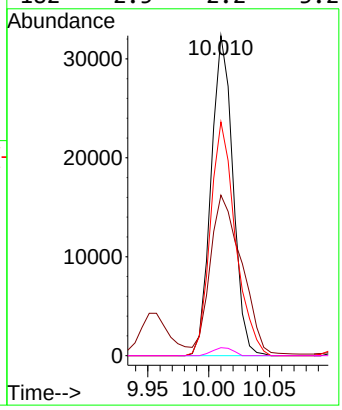


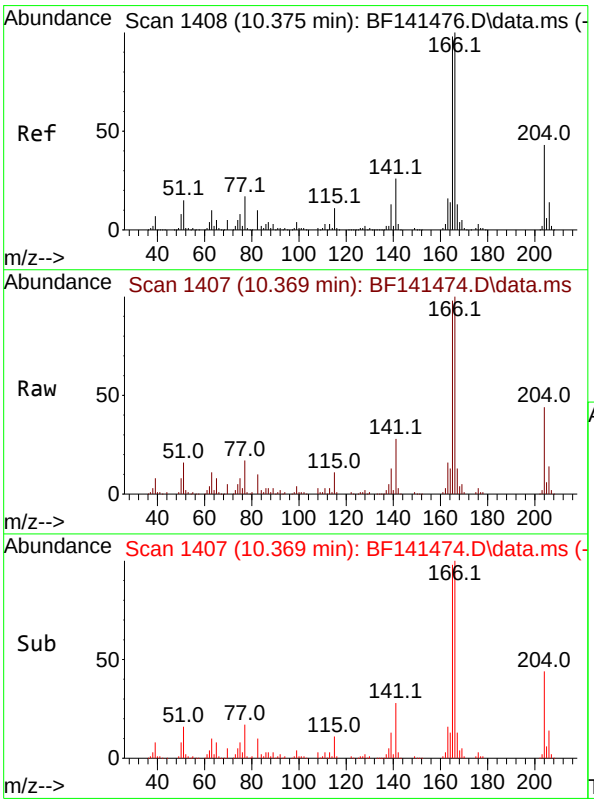
#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 40306

Ion	Ratio	Lower	Upper
165	100		
63	50.1	46.4	69.6
89	73.1	61.8	92.6
182	2.5	2.2	3.2

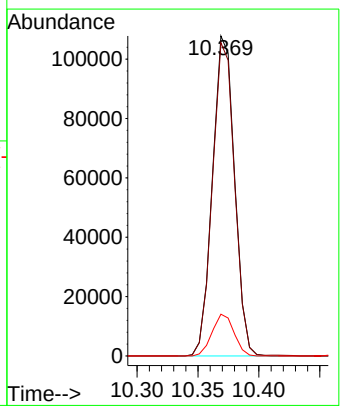


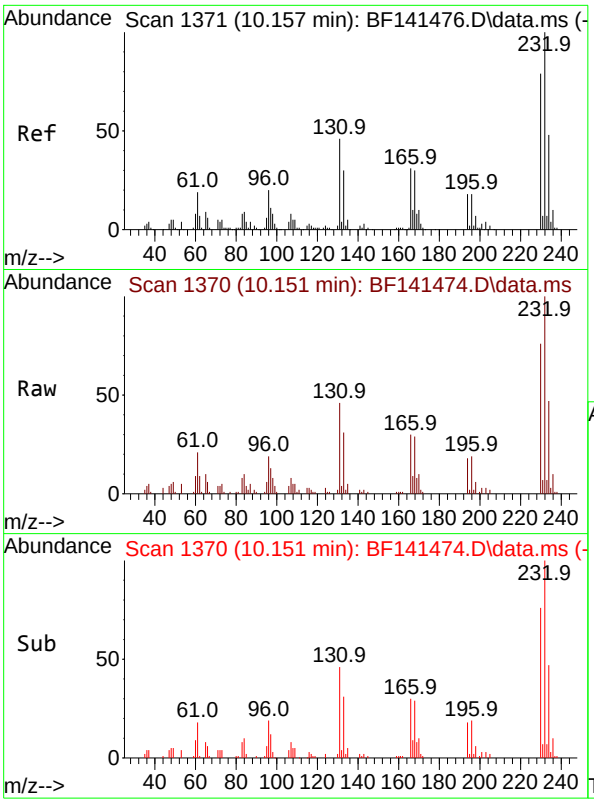


#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:166 Resp: 136110

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.2
167	13.0	10.7	16.1



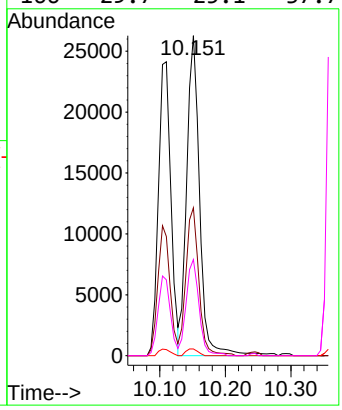


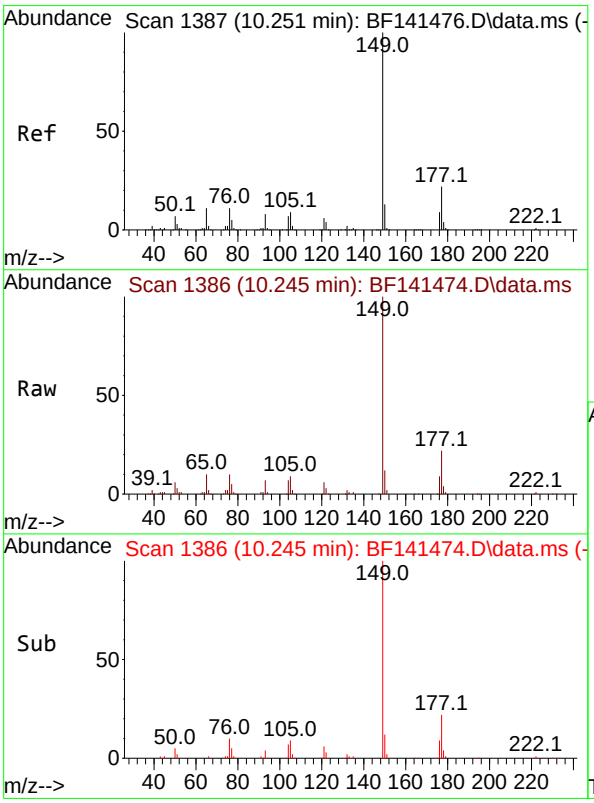
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 36102

Ion	Ratio	Lower	Upper
232	100		
131	45.8	39.2	58.8
130	1.9	2.1	3.1#
166	29.7	25.1	37.7

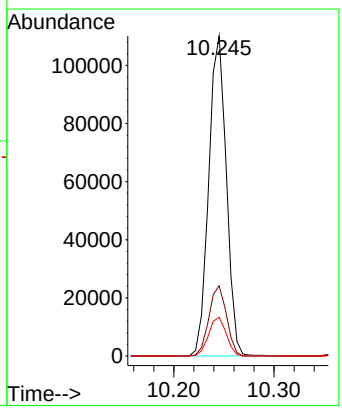


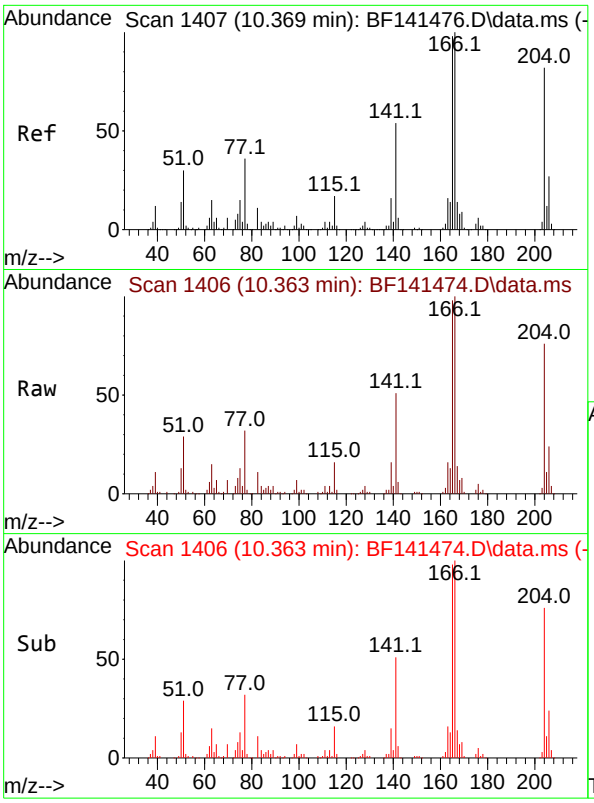


#60
Diethylphthalate
Concen: 10.073 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 134593

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.8	26.6
150	12.1	10.1	15.1



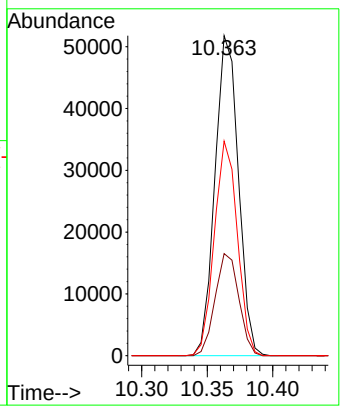


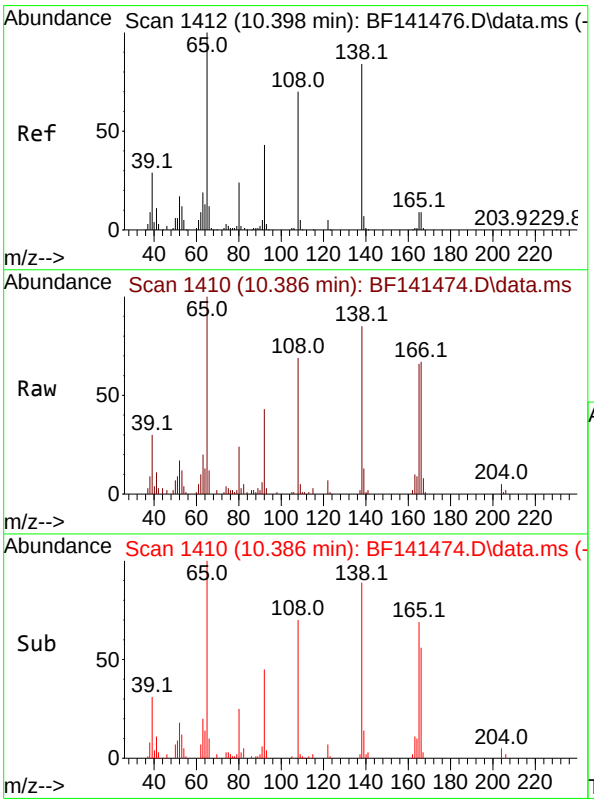
#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 64305

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.6	40.0
141	67.1	51.9	77.9

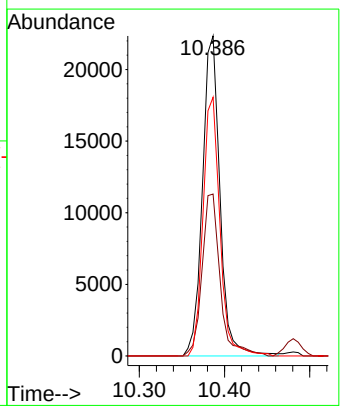


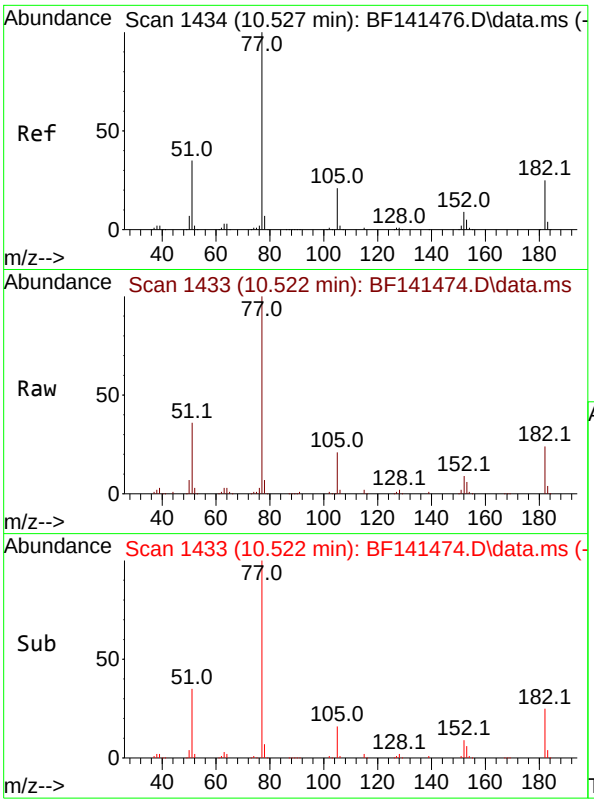


#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:138 Resp: 31934

Ion	Ratio	Lower	Upper
138	100		
92	50.6	31.3	71.3
108	80.8	63.7	103.7



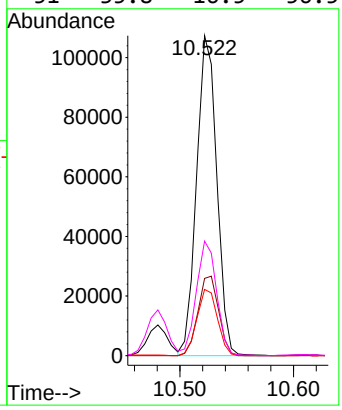


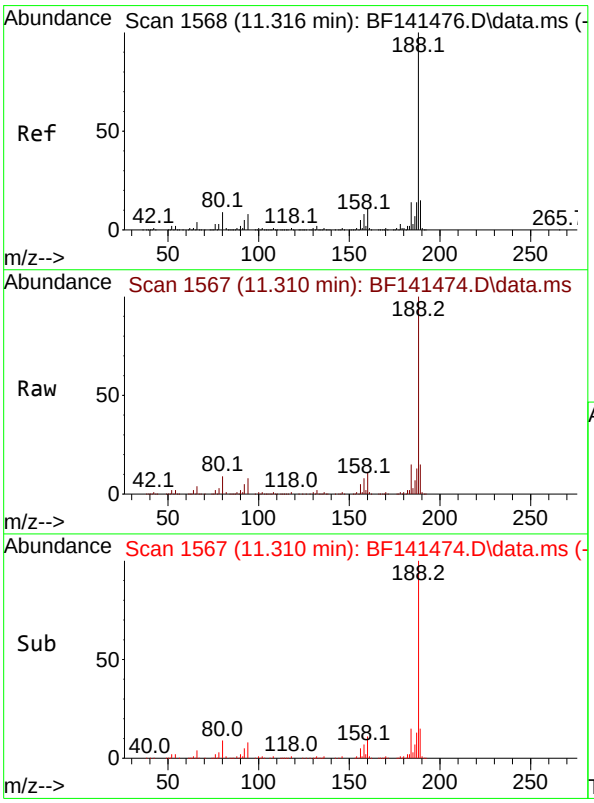
#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 132968

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.7	44.7
105	20.7	0.4	40.4
51	35.8	16.5	56.5

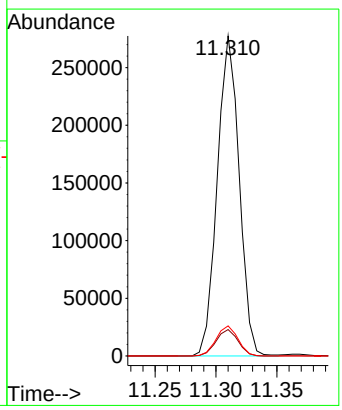


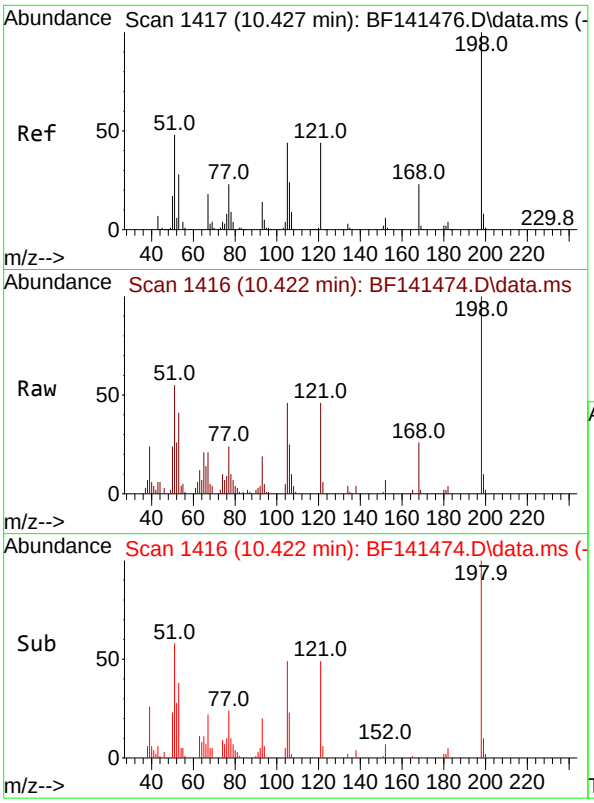


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:188 Resp: 347312

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.4	7.3	10.9



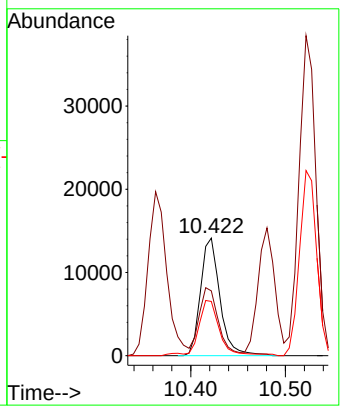


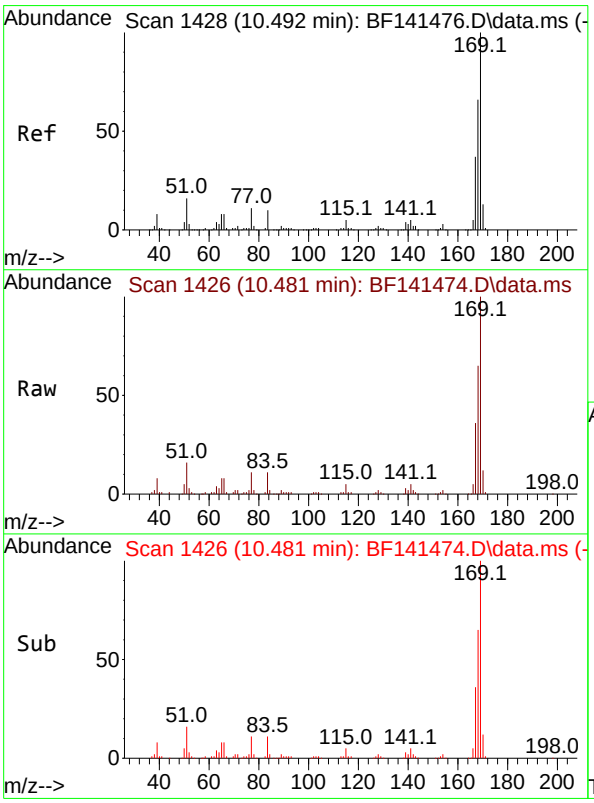
#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 20074

Ion	Ratio	Lower	Upper
198	100		
51	55.2	37.4	77.4
105	46.2	25.2	65.2

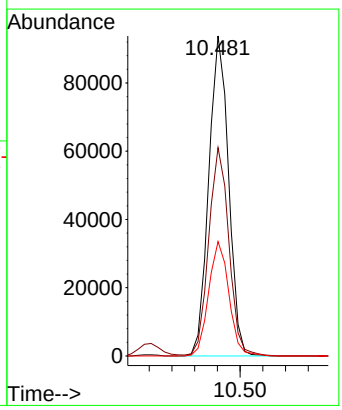


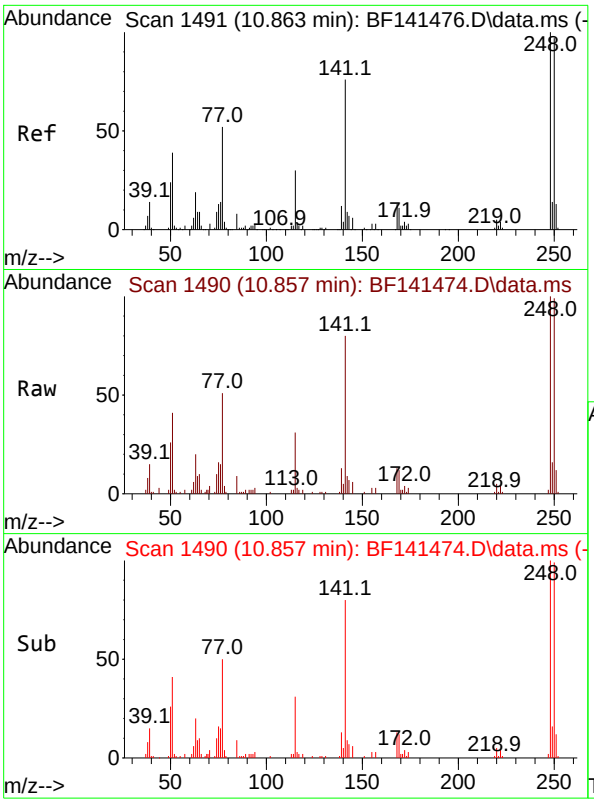


#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:169 Resp: 113408

Ion	Ratio	Lower	Upper
169	100		
168	65.1	53.3	79.9
167	35.7	29.4	44.2



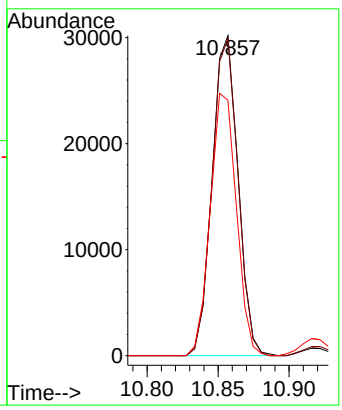


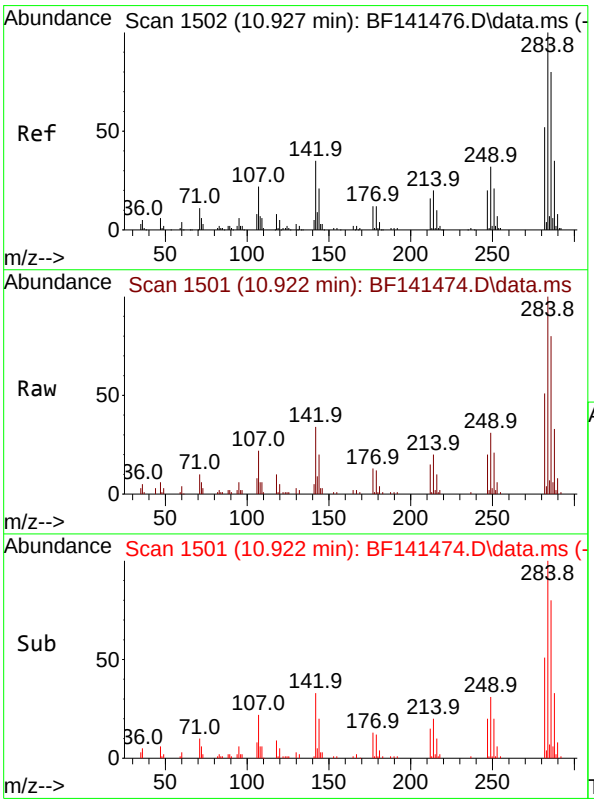
#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 38257

Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.8	116.6
141	79.8	60.6	90.8

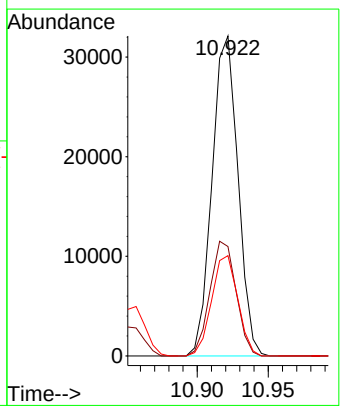


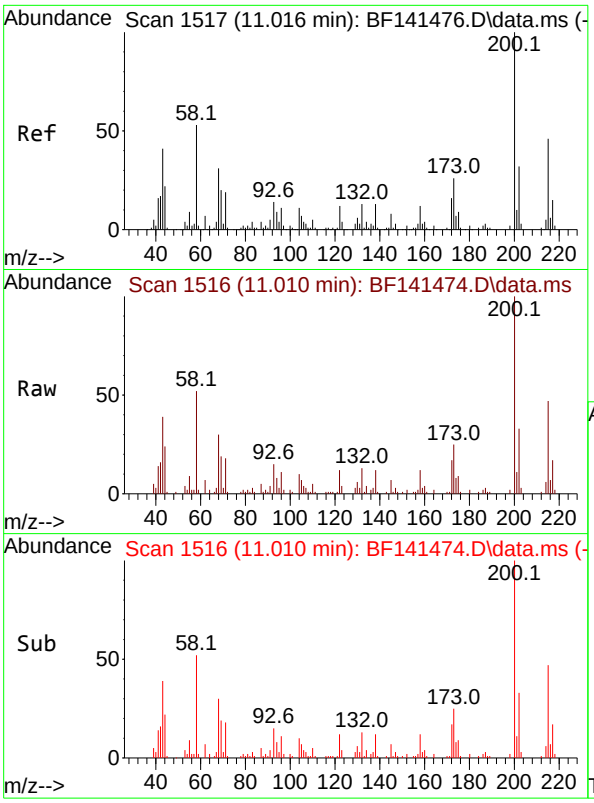


#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:284 Resp: 40715

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.0	42.0
249	31.3	25.8	38.8



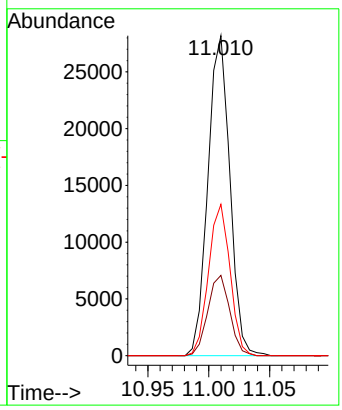


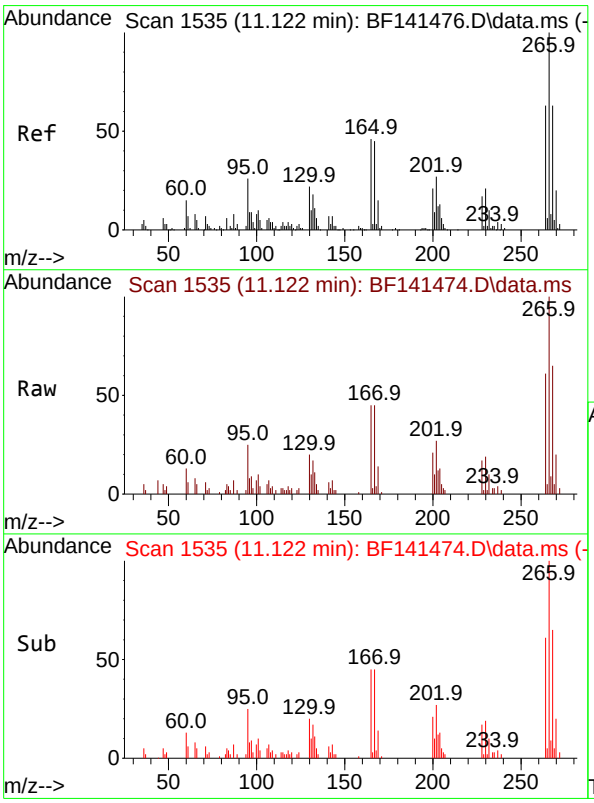
#69
Atrazine
Concen: 10.580 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 35287

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.9	45.9
215	47.3	25.9	65.9

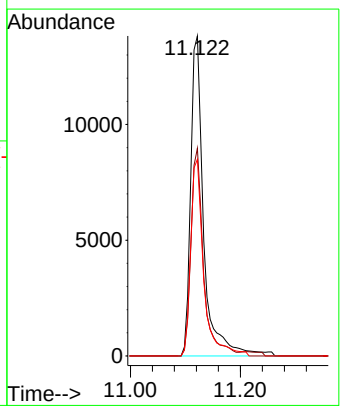


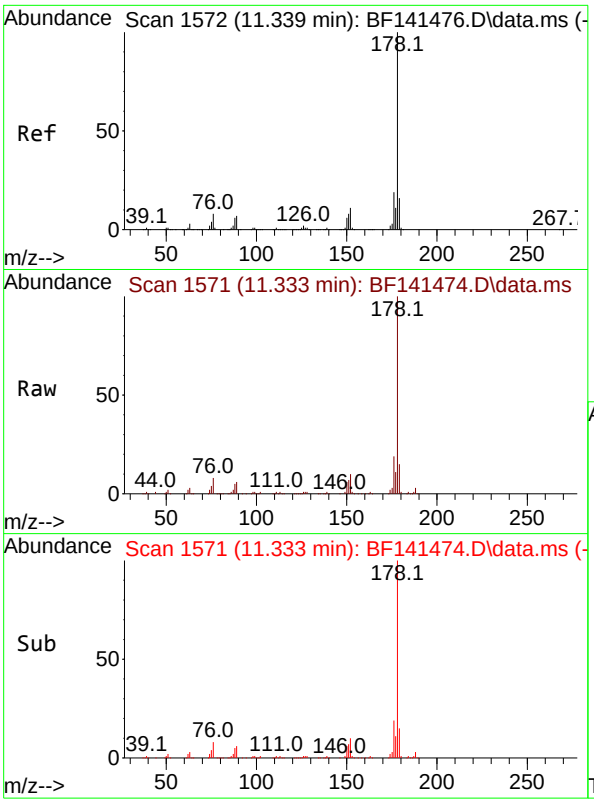


#70
Pentachlorophenol
Concen: 8.895 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:266 Resp: 22735

Ion	Ratio	Lower	Upper
266	100		
268	64.9	50.1	75.1
264	61.5	50.1	75.1



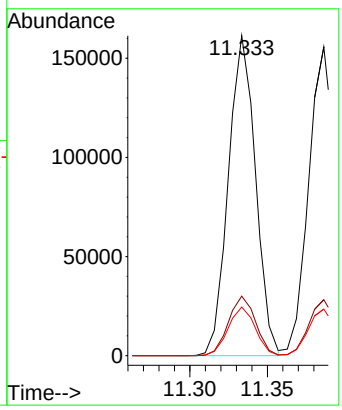


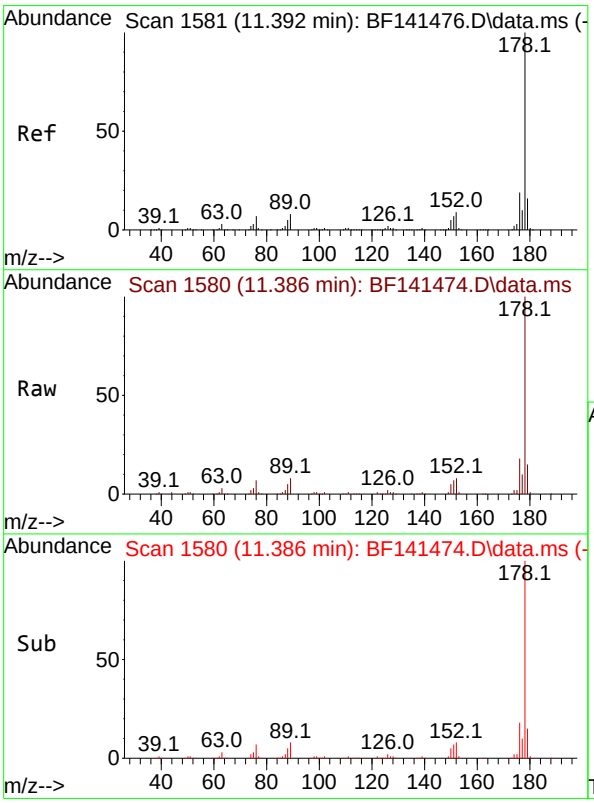
#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 196586

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.2	12.4	18.6

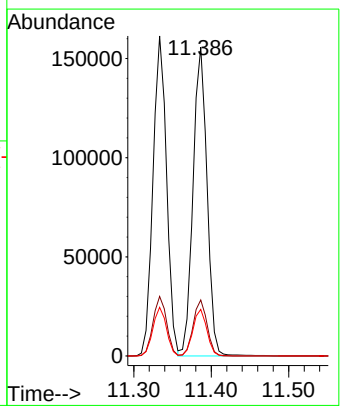


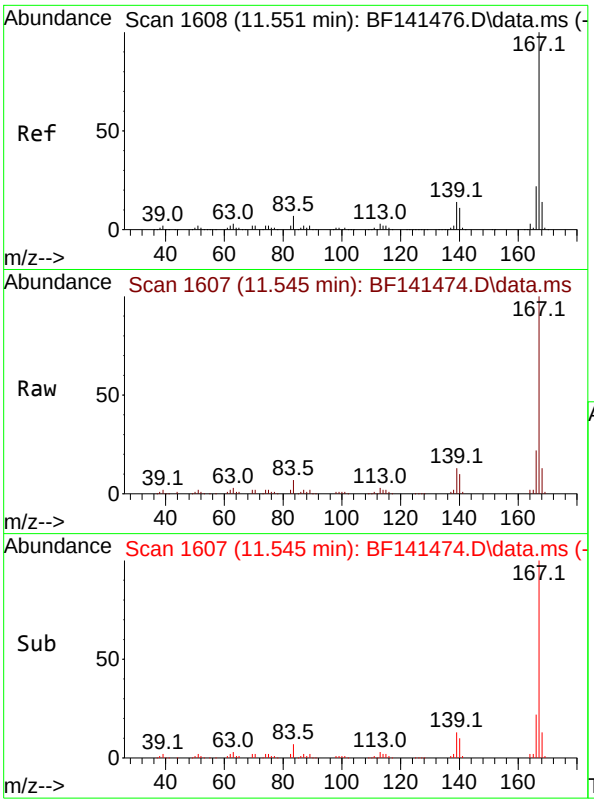


#72
Anthracene
Concen: 10.174 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:178 Resp: 195528

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.1	12.4	18.6



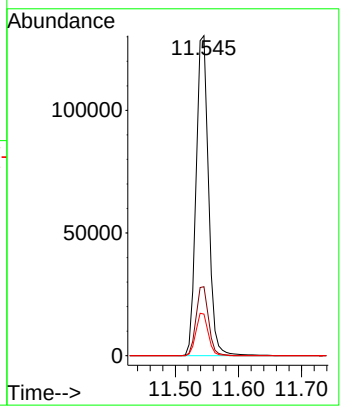


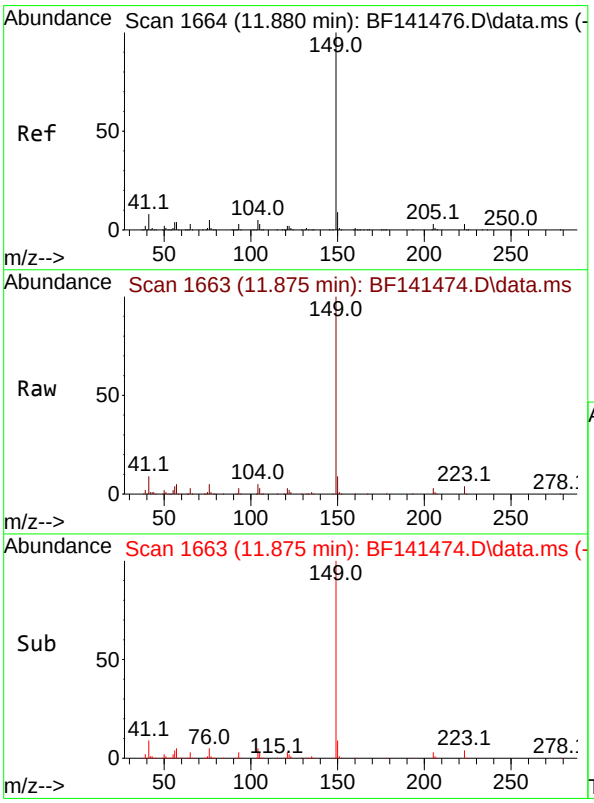
#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 178223

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.0	10.9	16.3

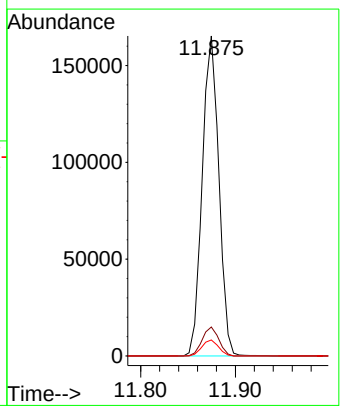


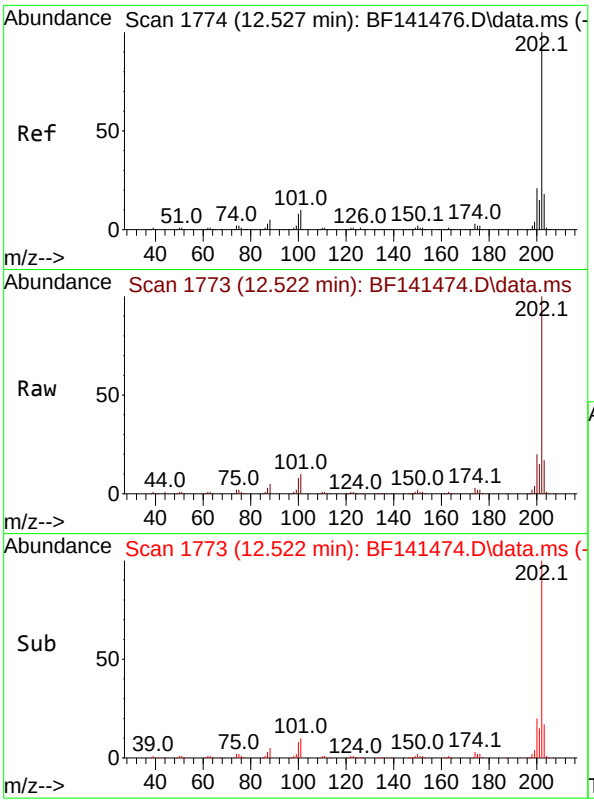


#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 200806

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2



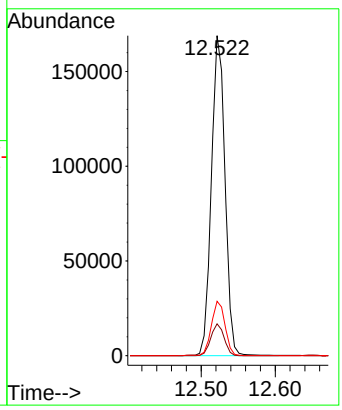


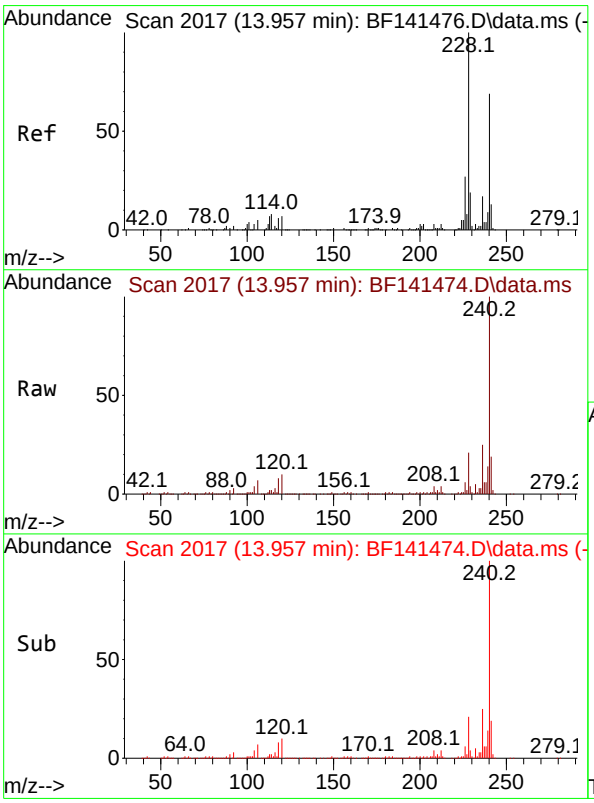
#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 215218

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.0	0.0	37.6

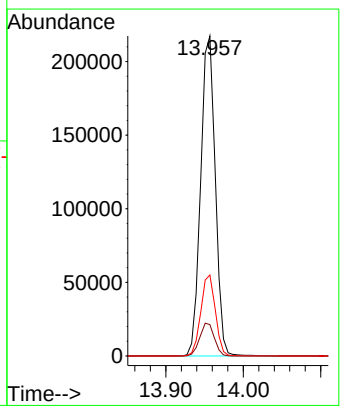


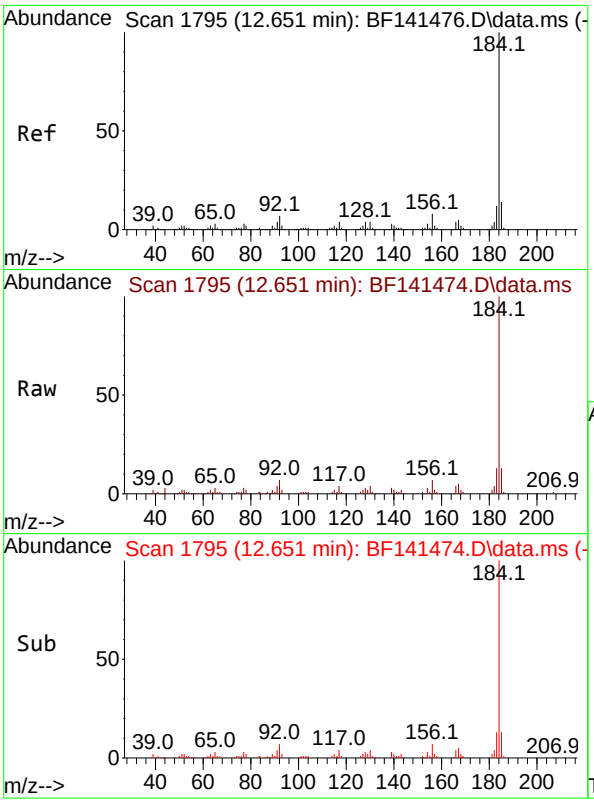


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:240 Resp: 284792

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.3	19.8	29.8



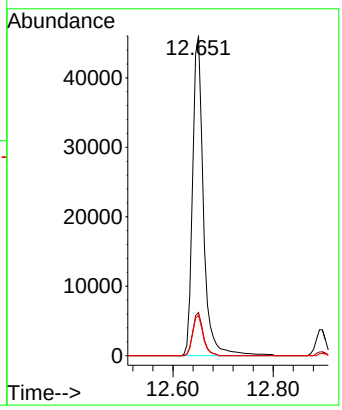


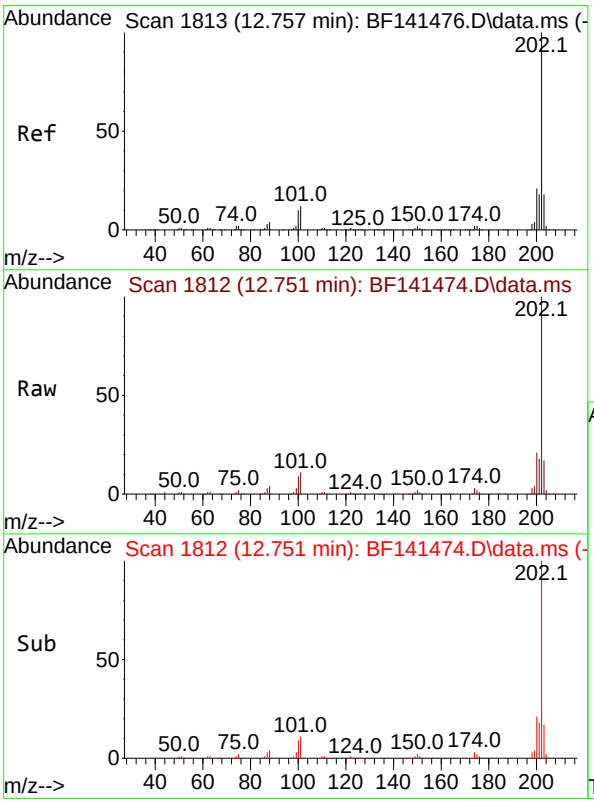
#77
Benzidine
Concen: 11.050 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 69402

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.3	16.9
183	12.6	9.3	13.9

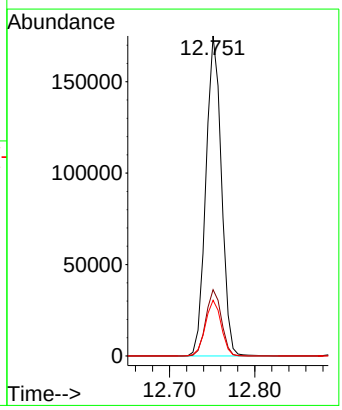


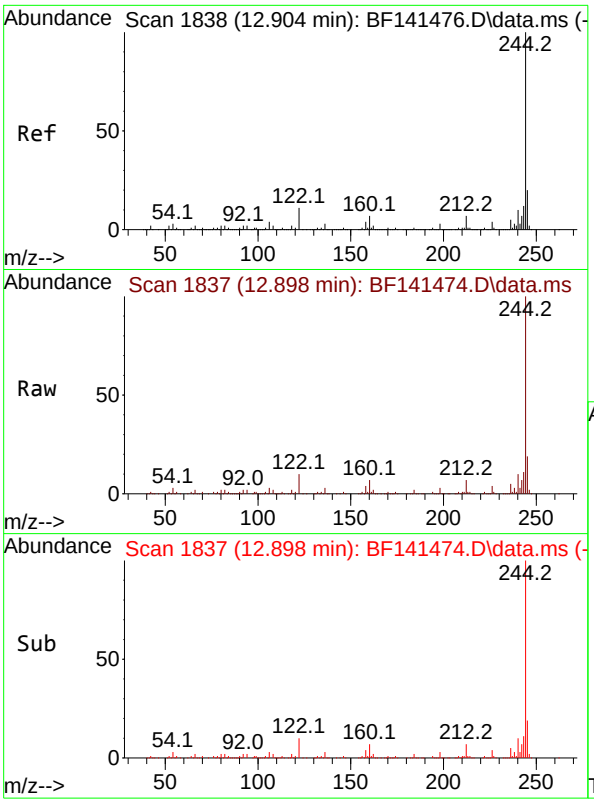


#78
Pyrene
Concen: 9.146 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:202 Resp: 221721

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.4	14.3	21.5



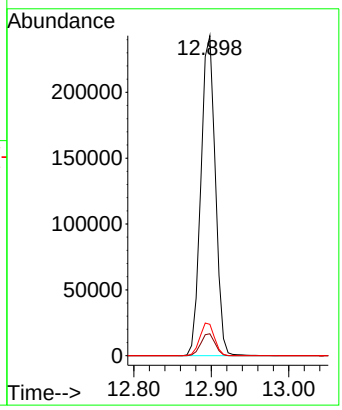


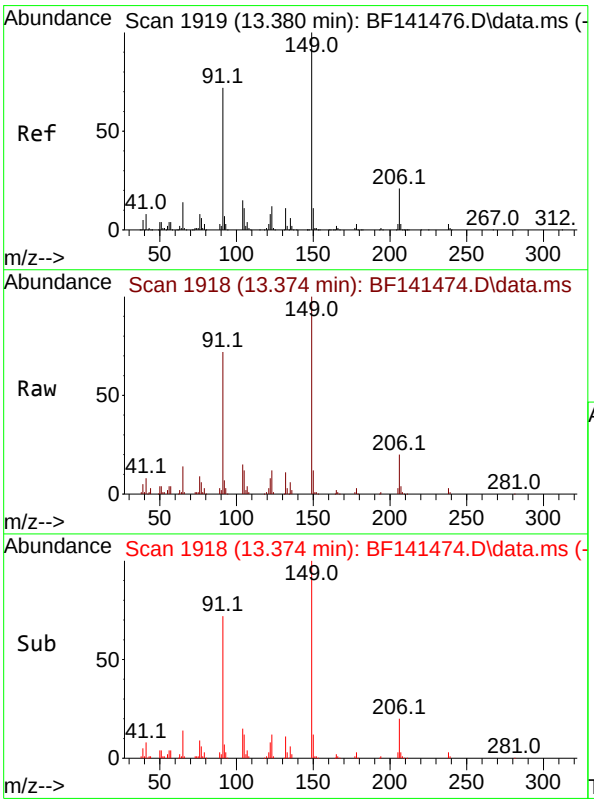
#79
Terphenyl-d14
Concen: 18.645 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 314541

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	8.4	12.6

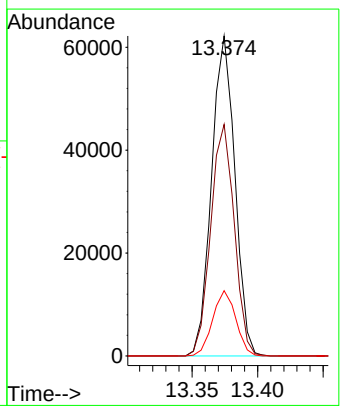


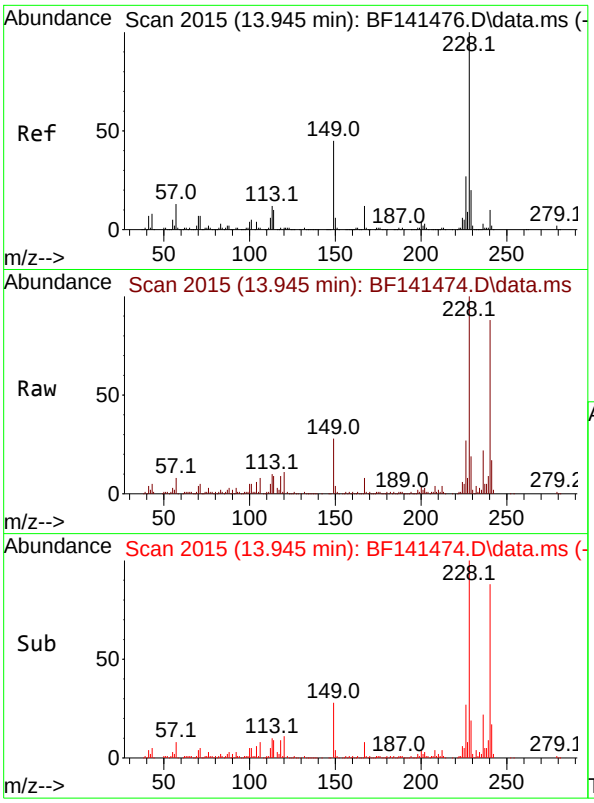


#80
Butylbenzylphthalate
Concen: 9.152 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 76852

Ion	Ratio	Lower	Upper
149	100		
91	72.3	57.8	86.8
206	20.4	16.7	25.1



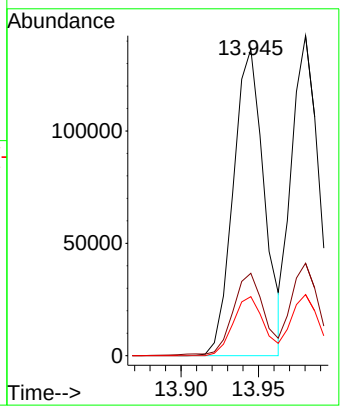


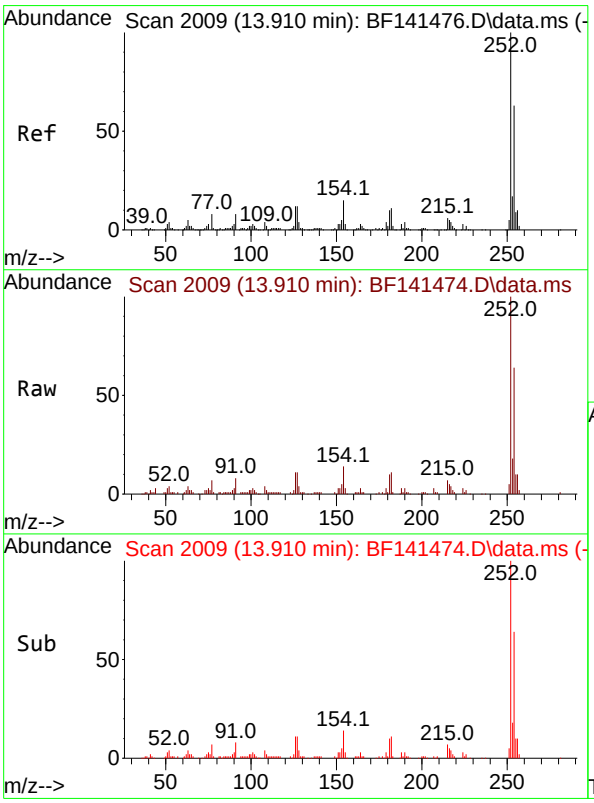
#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 189705

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.3	15.8	23.6

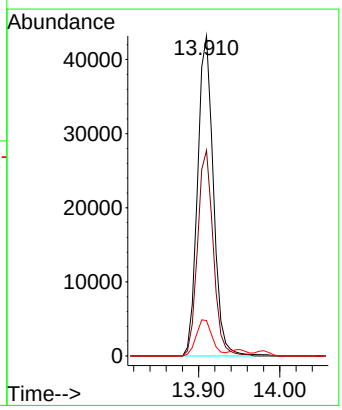


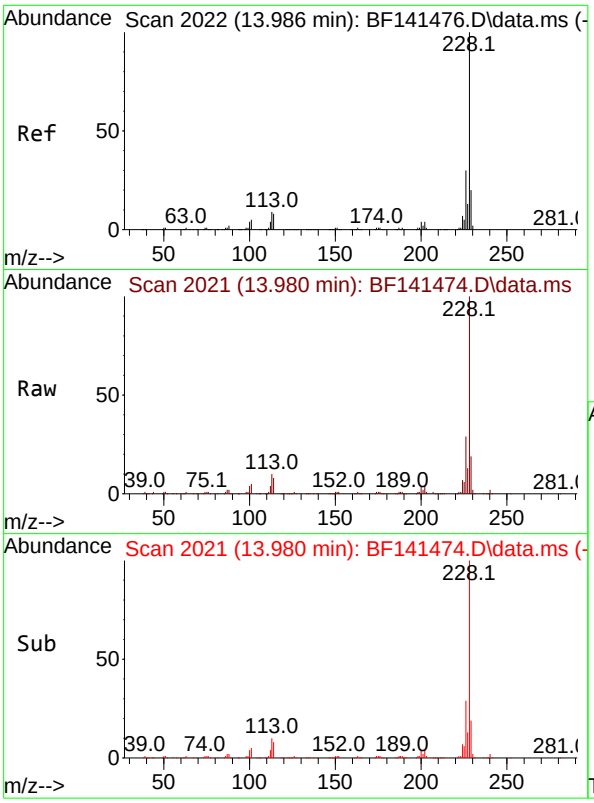


#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 58487

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.6	76.0
126	11.1	9.3	13.9



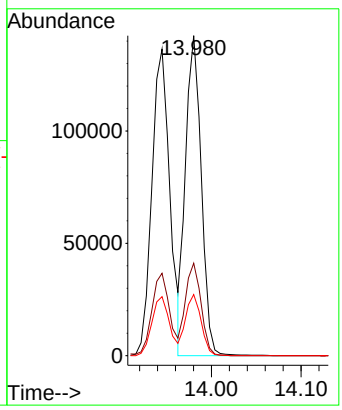


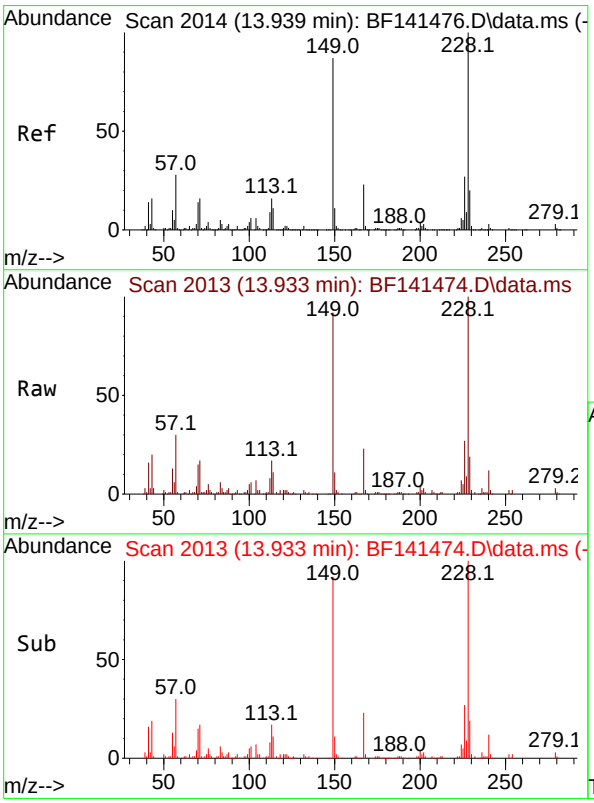
#83
Chrysene
Concen: 9.960 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 174103

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	19.1	15.7	23.5

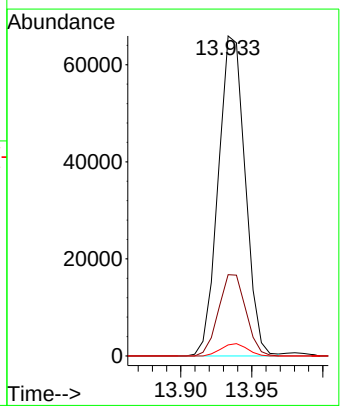


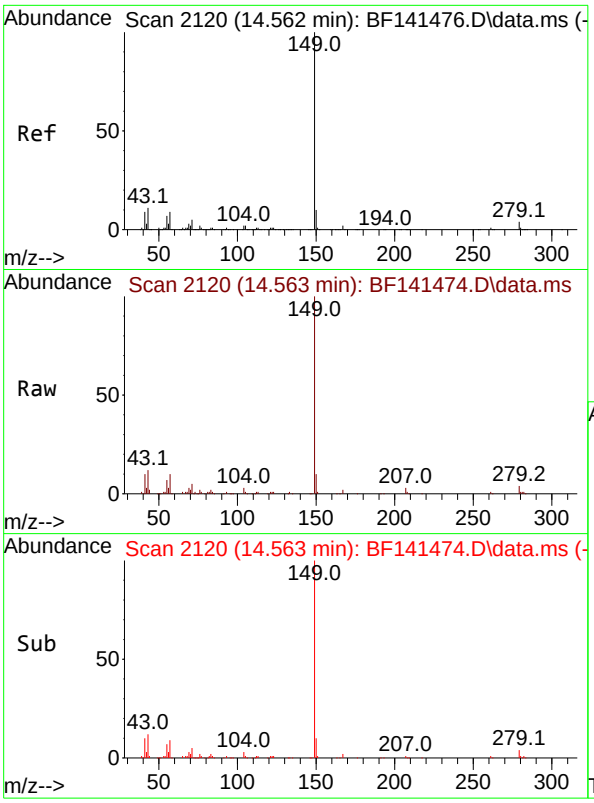


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.171 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 86853

Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.4	32.0
279	3.5	3.1	4.7



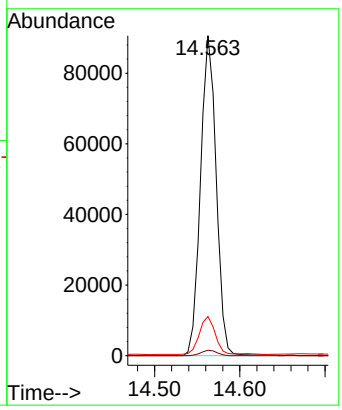


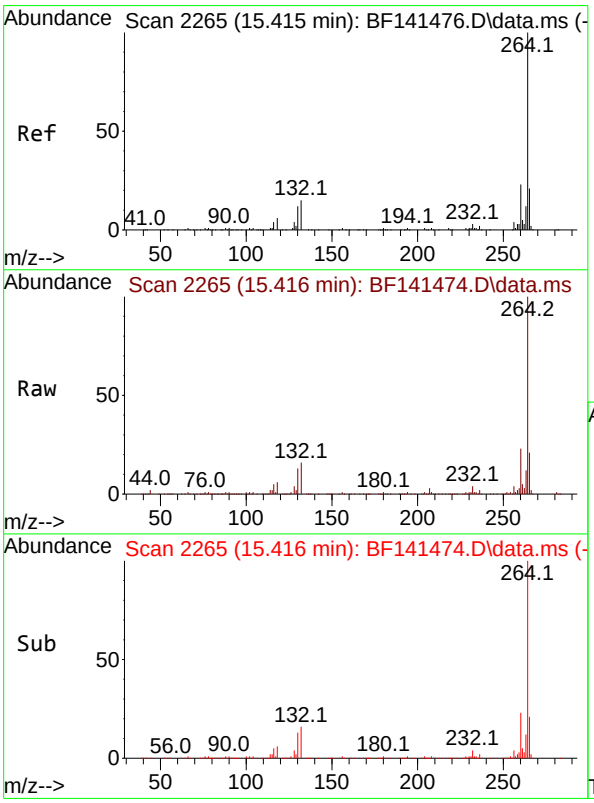
#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 115875

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.1	9.5	14.3

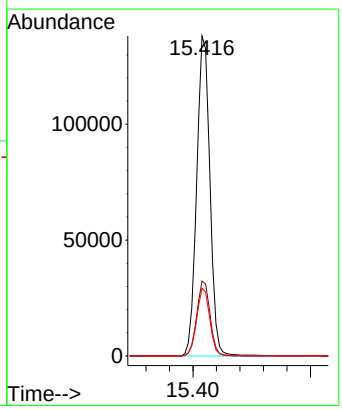


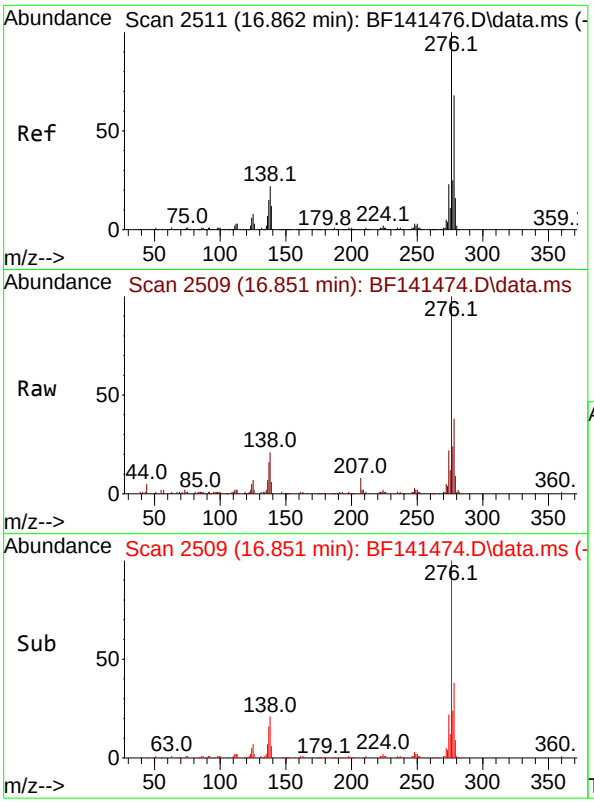


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:264 Resp: 215900

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.2	17.0	25.4



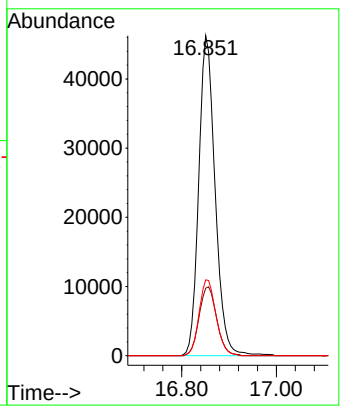


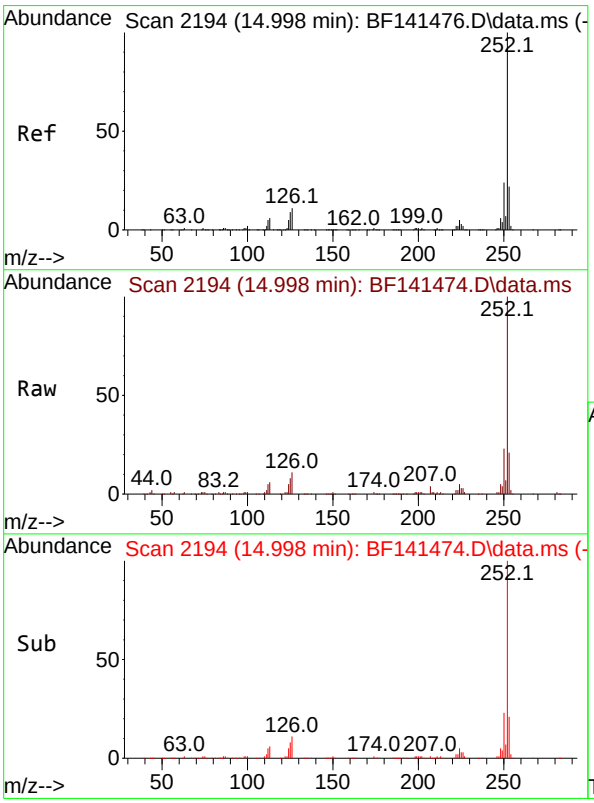
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.327 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 111083

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.0	27.0
277	24.5	20.4	30.6

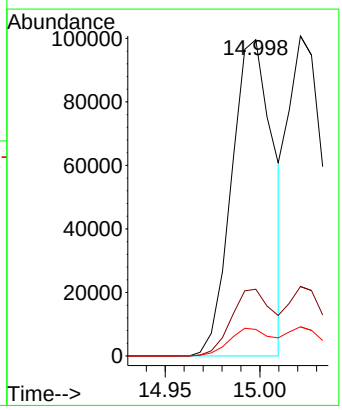


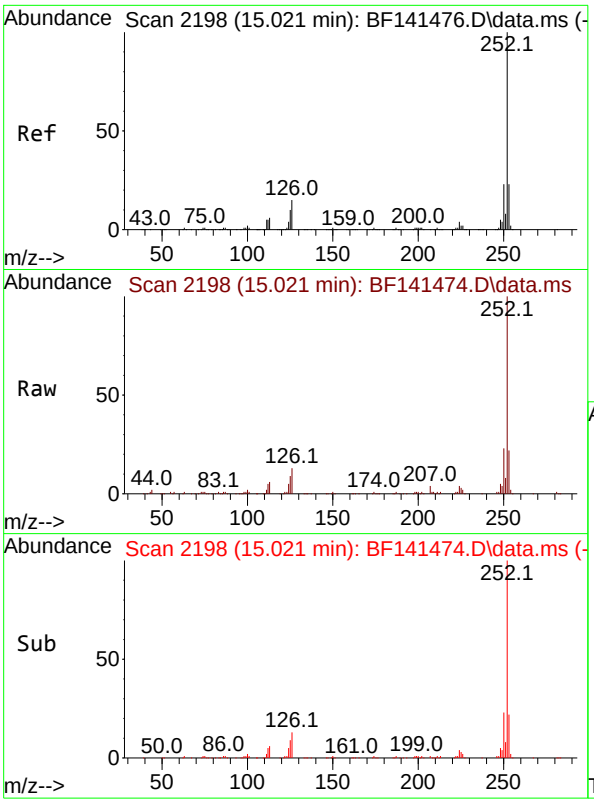


#88
Benzo(b)fluoranthene
Concen: 10.476 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 151861

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	8.4	7.0	10.6



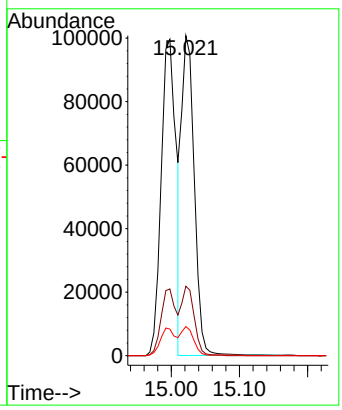


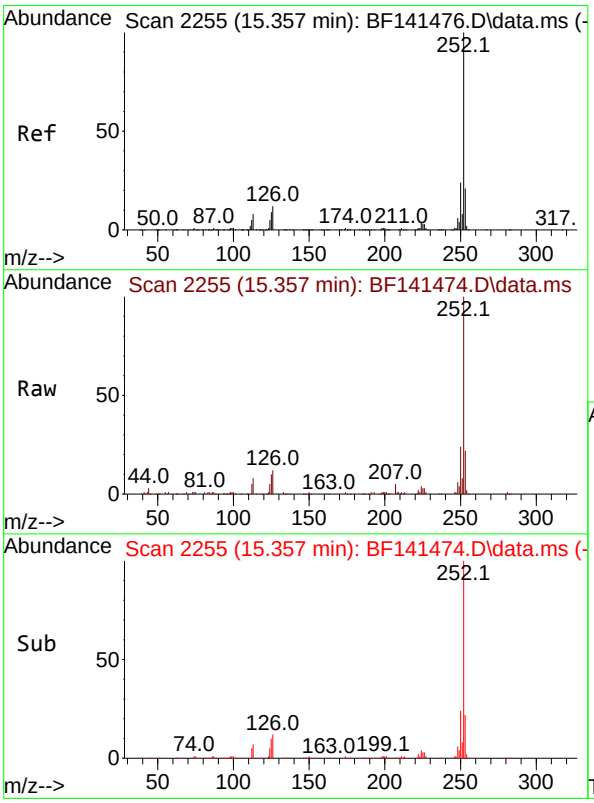
#89
Benzo(k)fluoranthene
Concen: 10.604 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 131265

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	9.1	7.4	11.0

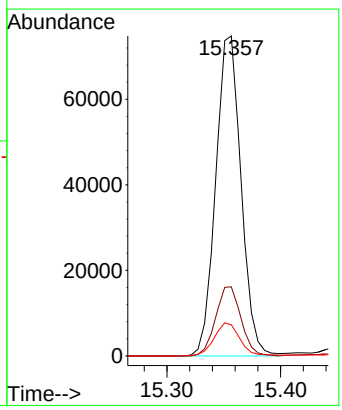


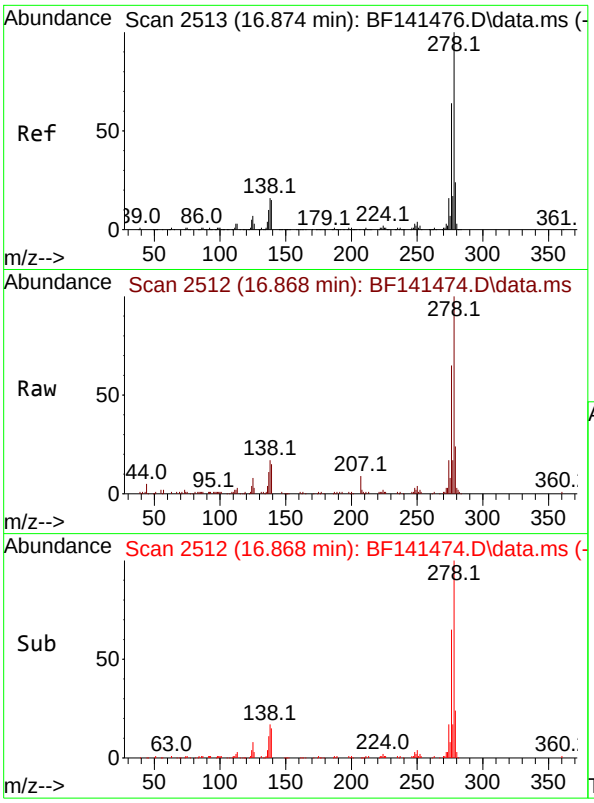


#90
Benzo(a)pyrene
Concen: 9.885 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 115948

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.8	7.4	11.2



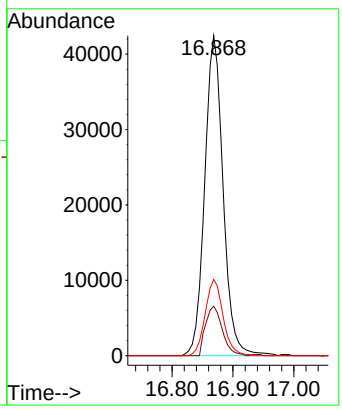


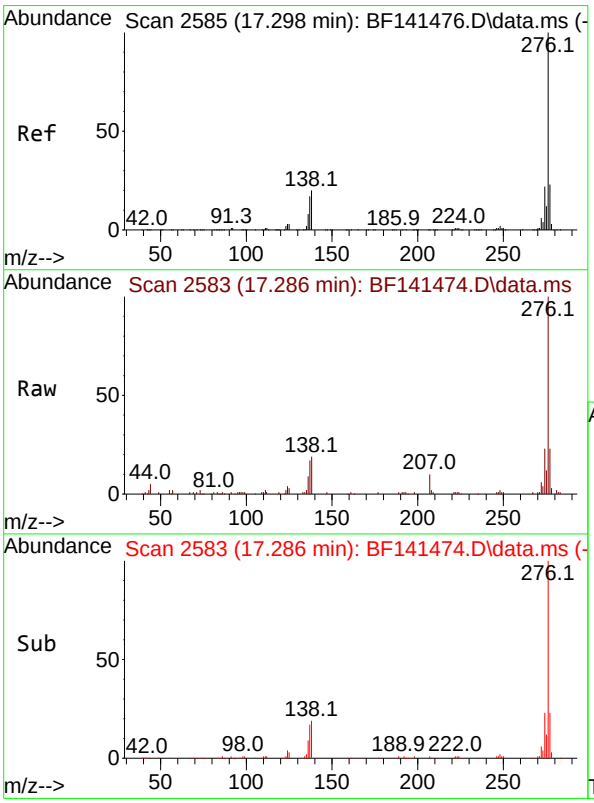
#91
Dibenzo(a,h)anthracene
Concen: 8.271 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 89400

Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	23.8	19.1	28.7

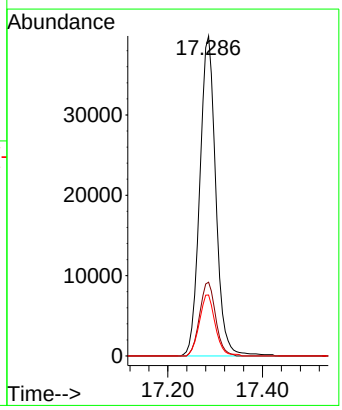




#92
Benzo(g,h,i)perylene
Concen: 8.243 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:276 Resp: 93242

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.0	15.9	23.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86149	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348017	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193091	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	333651	20.000	ng	0.00
76) Chrysene-d12	13.957	240	251741	20.000	ng	0.00
86) Perylene-d12	15.416	264	191435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	235106	42.785	ng	0.00
7) Phenol-d6	6.422	99	293602	42.273	ng	-0.02
23) Nitrobenzene-d5	7.351	82	275773	41.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	80912	41.714	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	534841	42.674	ng	0.00
79) Terphenyl-d14	12.898	244	609819	40.894	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	45027	20.359	ng	98
3) Pyridine	3.211	79	112903	21.453	ng	96
4) n-Nitrosodimethylamine	3.152	42	70658	20.276	ng	98
6) Aniline	6.446	93	142156	21.820	ng	97
8) 2-Chlorophenol	6.575	128	124573	20.980	ng	98
9) Benzaldehyde	6.340	77	84531	22.903	ng	98
10) Phenol	6.440	94	156515	21.652	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	111675	20.568	ng	98
12) 1,3-Dichlorobenzene	6.728	146	133906	21.362	ng	99
13) 1,4-Dichlorobenzene	6.804	146	135357	21.134	ng	99
14) 1,2-Dichlorobenzene	6.957	146	126931	21.354	ng	99
15) Benzyl Alcohol	6.928	79	113901	21.386	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199281	21.441	ng	99
17) 2-Methylphenol	7.046	107	96607	20.792	ng	99
18) Hexachloroethane	7.298	117	50745	21.409	ng	99
19) n-Nitroso-di-n-propyla...	7.199	70	89512	21.546	ng	99
20) 3+4-Methylphenols	7.199	107	125707	21.287	ng	91
22) Acetophenone	7.199	105	181333	20.946	ng	100
24) Nitrobenzene	7.369	77	133285	20.485	ng	99
25) Isophorone	7.604	82	220291	20.706	ng	99
26) 2-Nitrophenol	7.687	139	66195	20.449	ng	98
27) 2,4-Dimethylphenol	7.728	122	76751	20.296	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	142151	20.852	ng	99
29) 2,4-Dichlorophenol	7.934	162	108456	21.227	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	115050	20.678	ng	100
31) Naphthalene	8.093	128	381547	21.062	ng	99
32) Benzoic acid	7.828	122	75462	19.212	ng	99
33) 4-Chloroaniline	8.146	127	132911	21.014	ng	98
34) Hexachlorobutadiene	8.210	225	69492	20.804	ng	98
35) Caprolactam	8.498	113	32746	21.050	ng	97
36) 4-Chloro-3-methylphenol	8.628	107	119021	21.029	ng	99
37) 2-Methylnaphthalene	8.781	142	250365	21.238	ng	98
38) 1-Methylnaphthalene	8.881	142	240408	21.056	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	115936	20.753	ng	99
41) Hexachlorocyclopentadiene	8.934	237	34729	18.691	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	75161	20.817	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

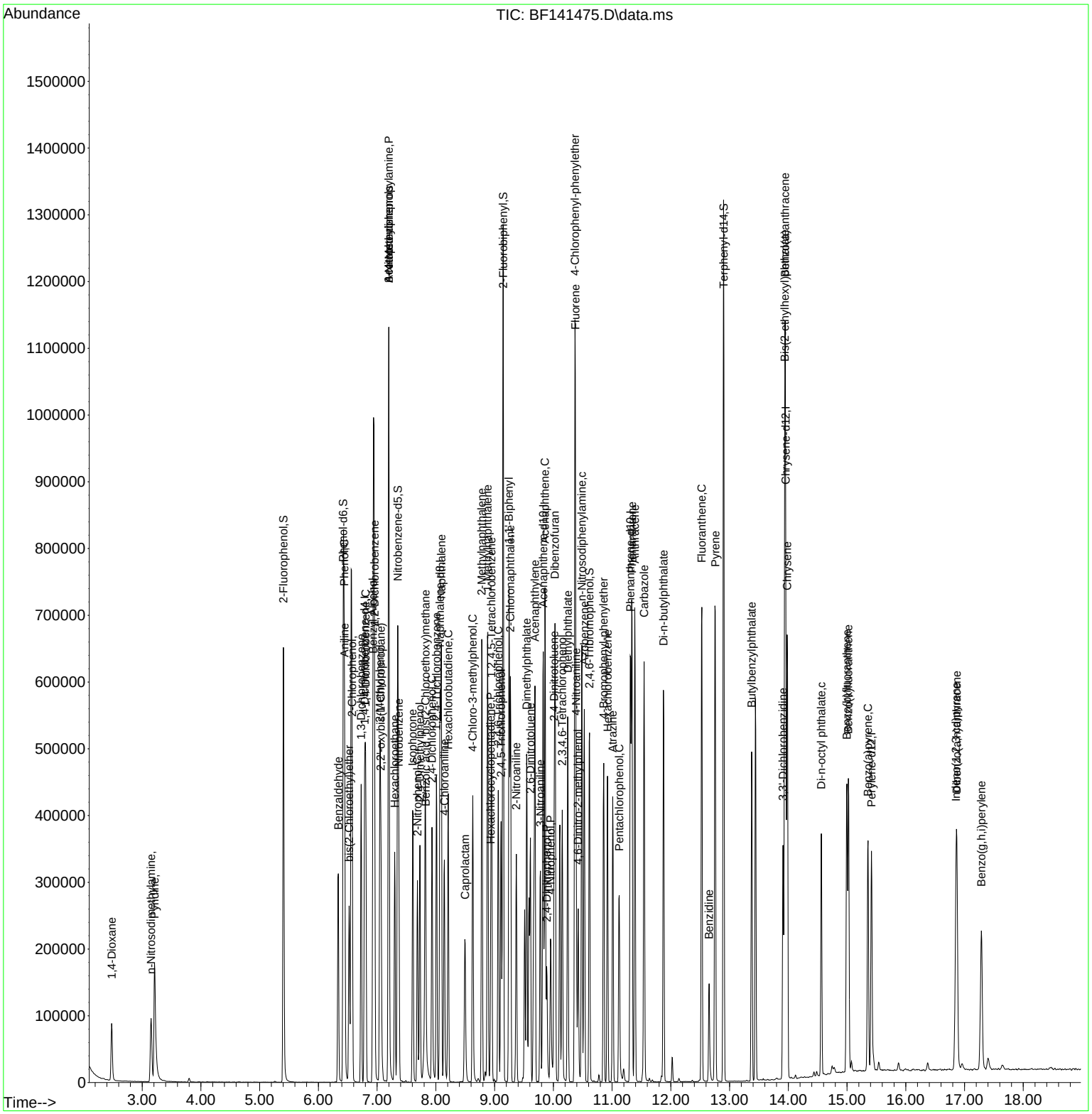
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83112	21.240	ng	97
46) 1,1'-Biphenyl	9.245	154	315040	21.045	ng	99
47) 2-Chloronaphthalene	9.269	162	233789	21.119	ng	99
48) 2-Nitroaniline	9.369	65	75990	20.455	ng	99
49) Acenaphthylene	9.687	152	345829	21.004	ng	99
50) Dimethylphthalate	9.545	163	271920	20.744	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60700	21.182	ng	98
52) Acenaphthene	9.857	154	229442m	20.728	ng	
53) 3-Nitroaniline	9.781	138	64626	20.954	ng	96
54) 2,4-Dinitrophenol	9.887	184	32186	18.898	ng	98
55) Dibenzofuran	10.028	168	342620	21.087	ng	100
56) 4-Nitrophenol	9.951	139	47721	20.843	ng	96
57) 2,4-Dinitrotoluene	10.016	165	79865	20.936	ng	95
58) Fluorene	10.375	166	265810	21.159	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	69328	20.579	ng	100
60) Diethylphthalate	10.245	149	270018	20.936	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	127216	21.049	ng	97
62) 4-Nitroaniline	10.387	138	64262	20.519	ng	98
63) Azobenzene	10.528	77	267372	20.853	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	46877	20.226	ng	99
66) n-Nitrosodiphenylamine	10.487	169	224776	21.045	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	78167	20.962	ng	97
68) Hexachlorobenzene	10.922	284	80301	20.913	ng	97
69) Atrazine	11.010	200	71359	22.271	ng	97
70) Pentachlorophenol	11.122	266	50539	20.584	ng	98
71) Phenanthrene	11.339	178	387256	21.085	ng	99
72) Anthracene	11.386	178	386414	20.930	ng	100
73) Carbazole	11.545	167	358987	21.610	ng	99
74) Di-n-butylphthalate	11.875	149	408041	21.273	ng	100
75) Fluoranthene	12.528	202	414712	21.298	ng	99
77) Benzidine	12.651	184	84013	15.132	ng	98
78) Pyrene	12.757	202	432216	20.169	ng	99
80) Butylbenzylphthalate	13.375	149	152184	20.502	ng	99
81) Benzo(a)anthracene	13.945	228	339877	20.310	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	102367	21.355	ng	98
83) Chrysene	13.980	228	330823	21.411	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	172352	20.588	ng	99
85) Di-n-octyl phthalate	14.563	149	229060	19.180	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	227105	19.200	ng	99
88) Benzo(b)fluoranthene	14.998	252	267695	20.826	ng	100
89) Benzo(k)fluoranthene	15.022	252	238695	21.747	ng	97
90) Benzo(a)pyrene	15.357	252	213510	20.528	ng	100
91) Dibenzo(a,h)anthracene	16.868	278	185740	19.379	ng	98
92) Benzo(g,h,i)perylene	17.286	276	191595	19.103	ng	99

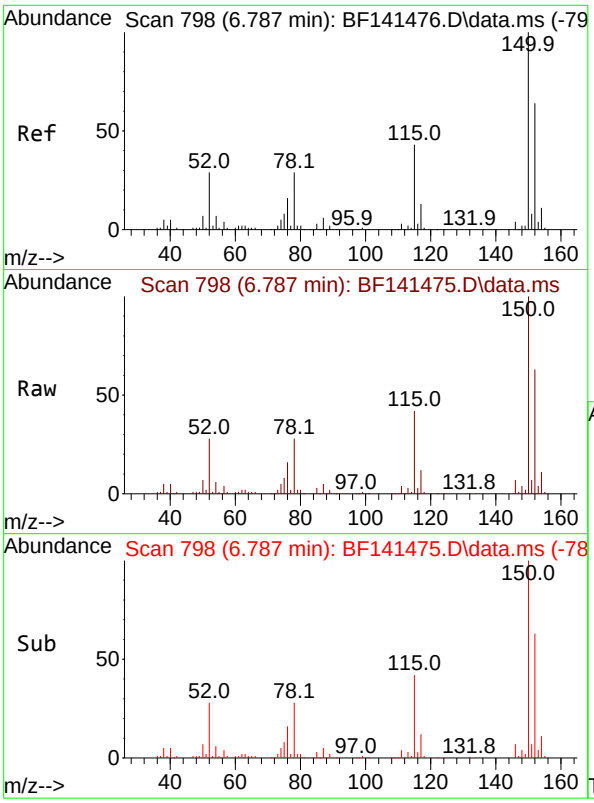
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



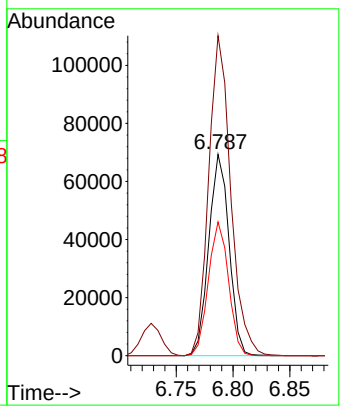


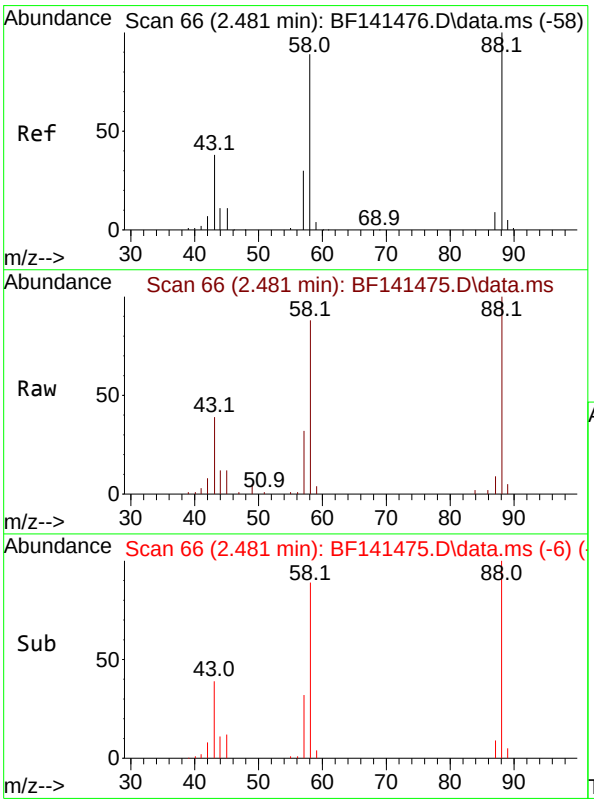
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 86149

Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.0	187.4
115	66.4	53.6	80.4

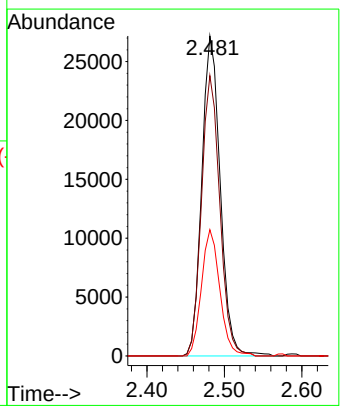


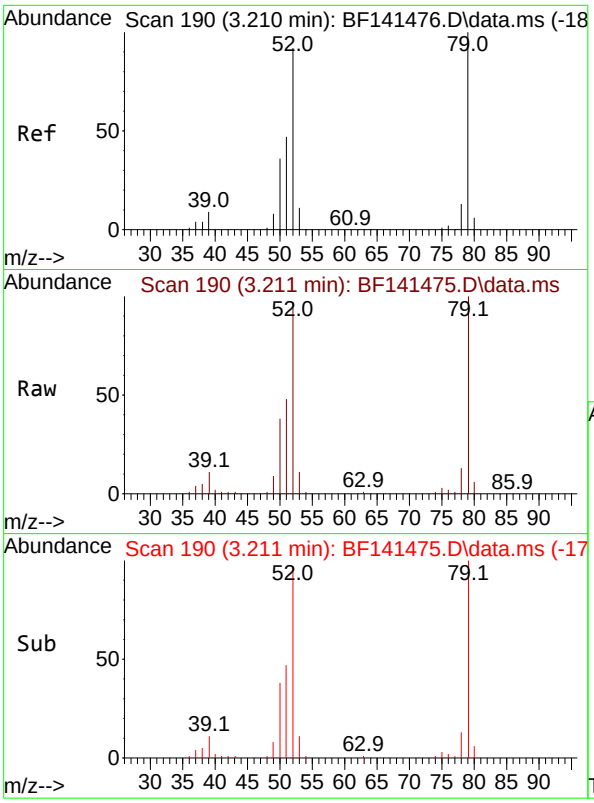


#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 88 Resp: 45027

Ion	Ratio	Lower	Upper
88	100		
58	87.1	71.1	106.7
43	39.2	30.6	46.0



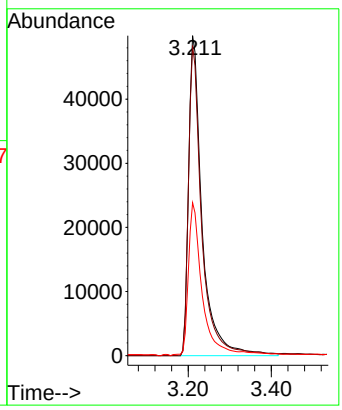


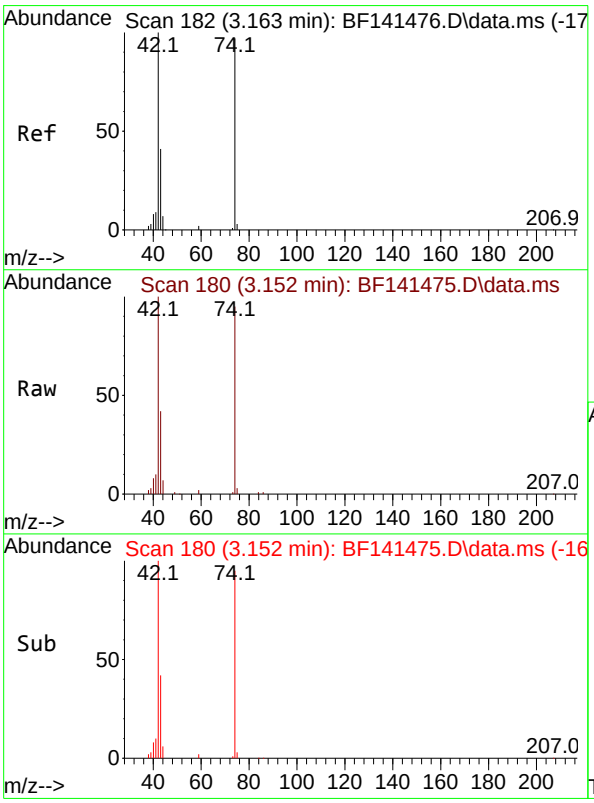
#3
Pyridine
Concen: 21.453 ng
RT: 3.211 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 112903

Ion	Ratio	Lower	Upper
79	100		
52	96.9	73.7	110.5
51	47.8	37.5	56.3

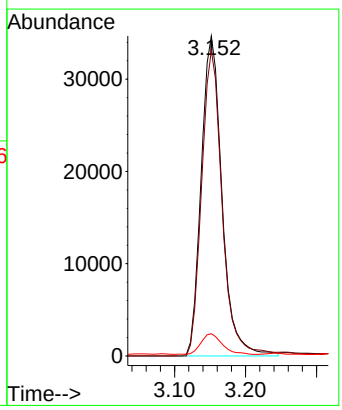


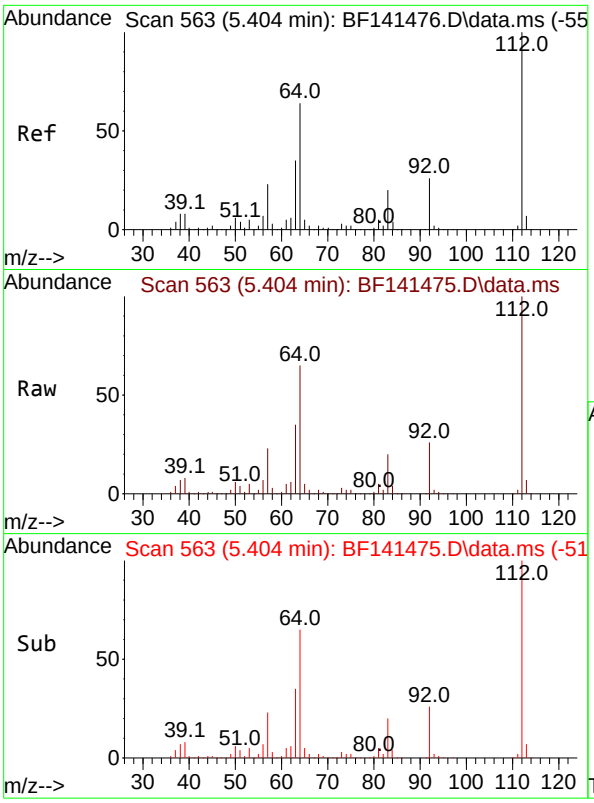


#4
n-Nitrosodimethylamine
Concen: 20.276 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 42 Resp: 70658

Ion	Ratio	Lower	Upper
42	100		
74	95.4	78.0	117.0
44	7.0	5.4	8.2



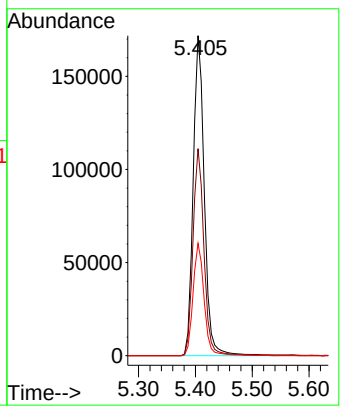


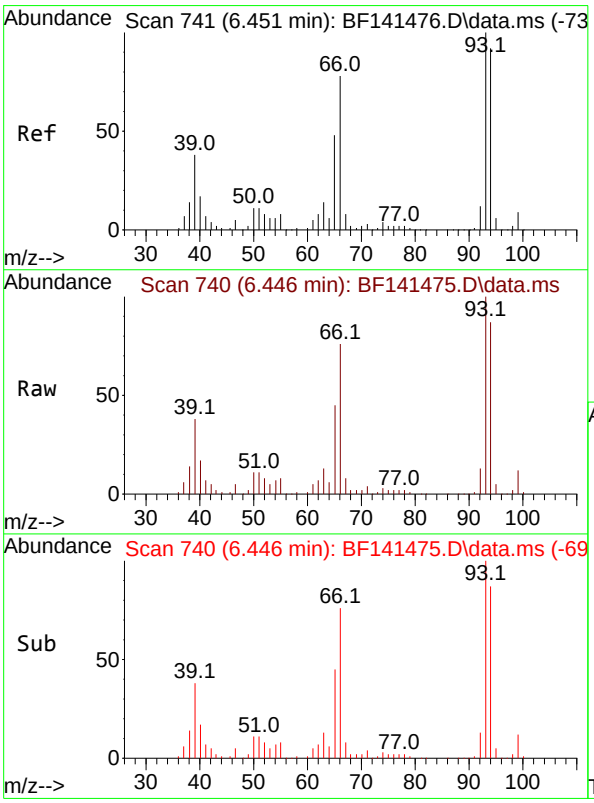
#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 235106

Ion	Ratio	Lower	Upper
112	100		
64	64.7	51.1	76.7
63	35.1	28.4	42.6

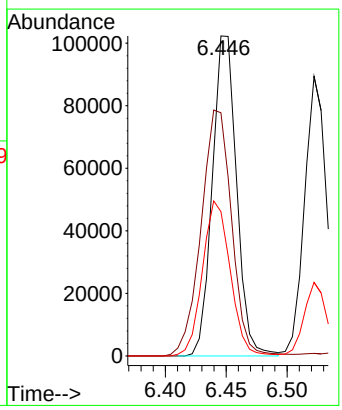


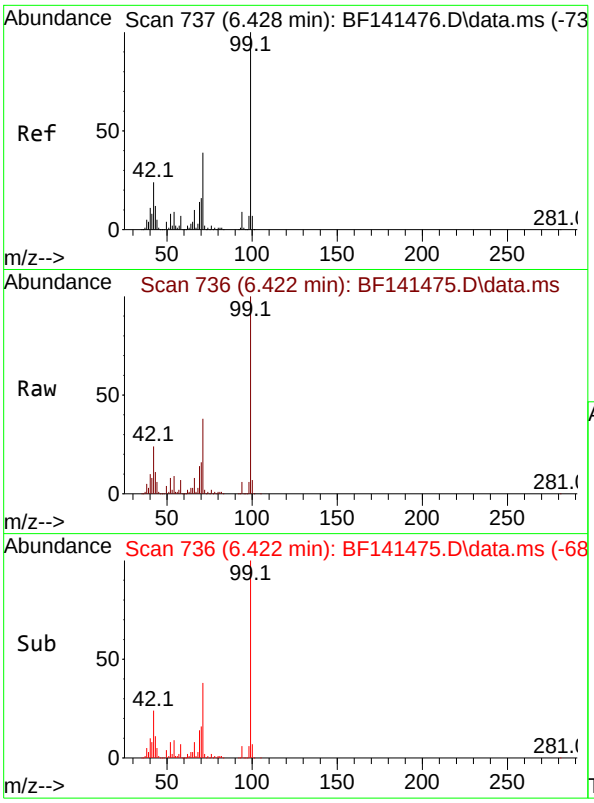


#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142156

Ion	Ratio	Lower	Upper
93	100		
66	76.0	62.6	94.0
65	45.1	38.3	57.5



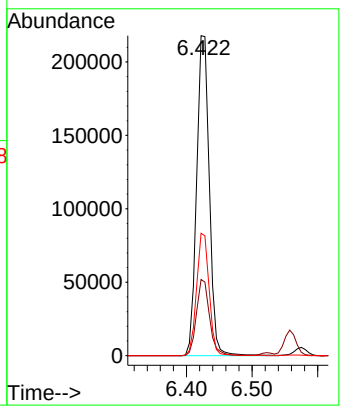


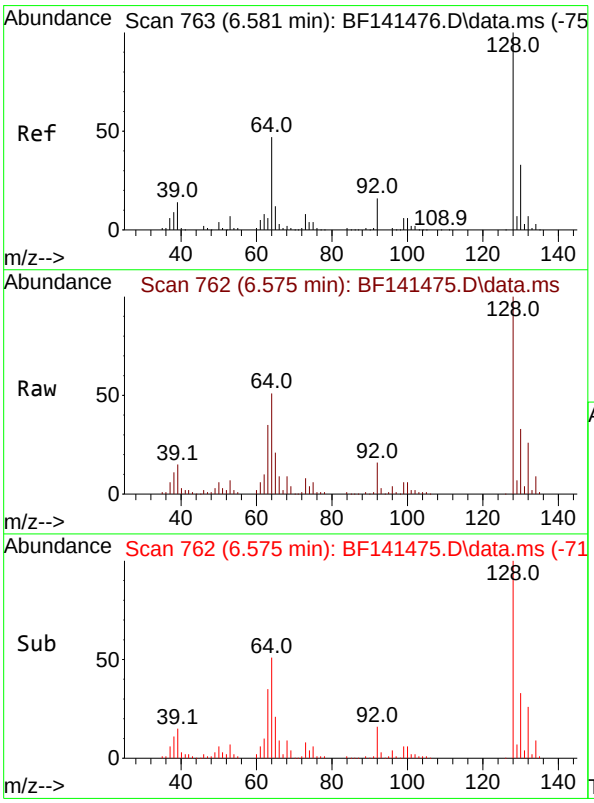
#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 293602

Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.1	28.7
71	38.2	31.1	46.7

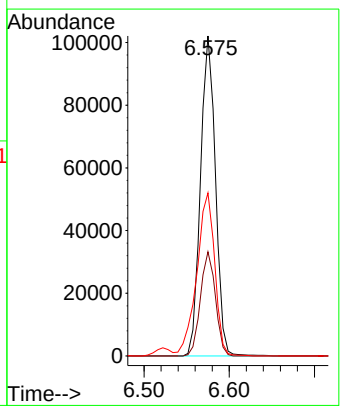


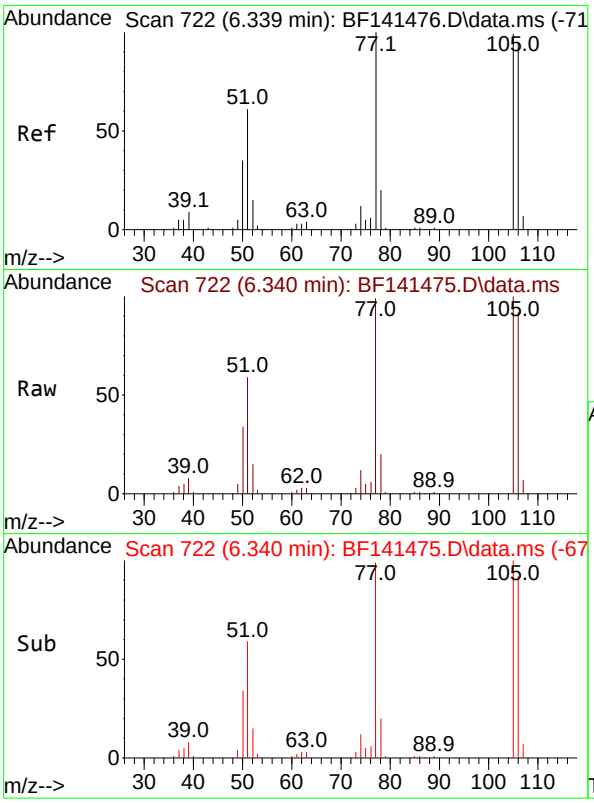


#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:128 Resp: 124573

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	50.9	28.3	68.3



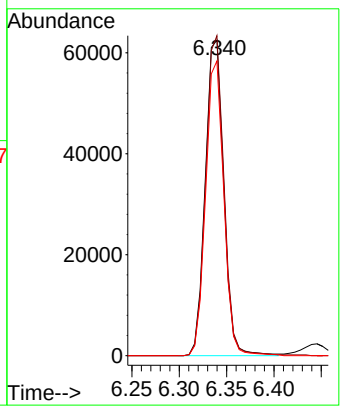


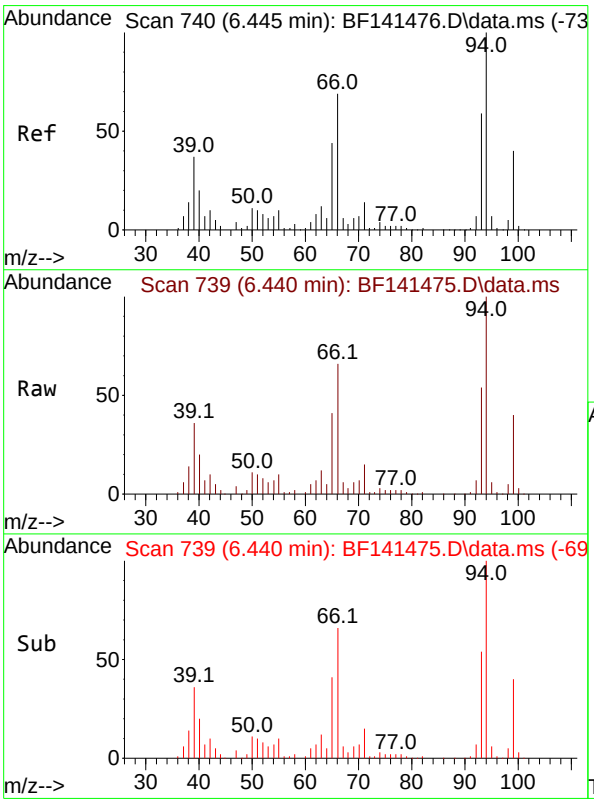
#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 84531

Ion	Ratio	Lower	Upper
77	100		
105	101.4	79.4	119.4
106	93.4	75.1	115.1

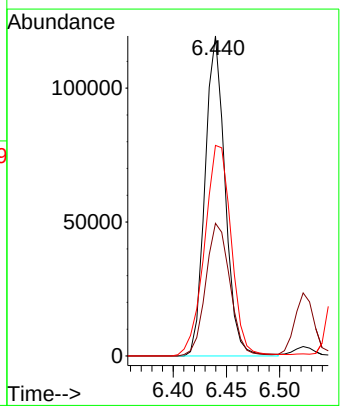


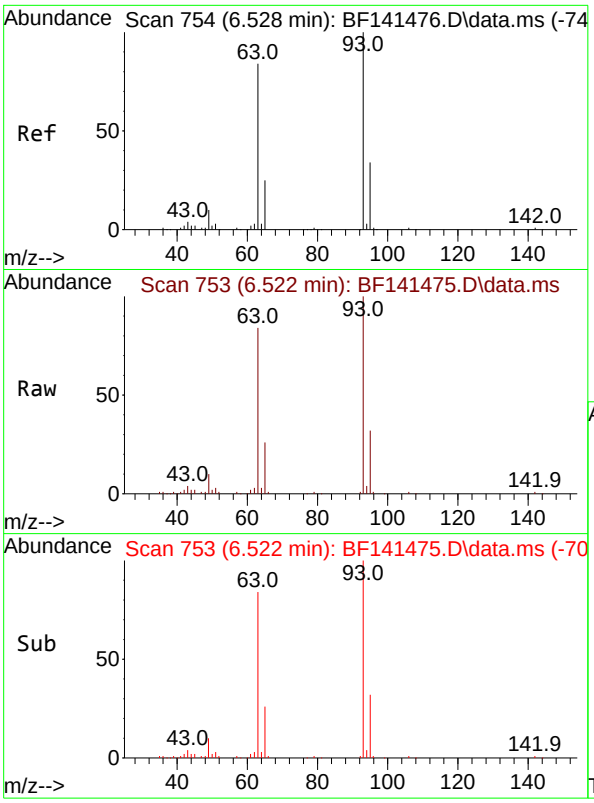


#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 94 Resp: 156515

Ion	Ratio	Lower	Upper
94	100		
65	41.5	23.7	63.7
66	65.8	49.3	89.3



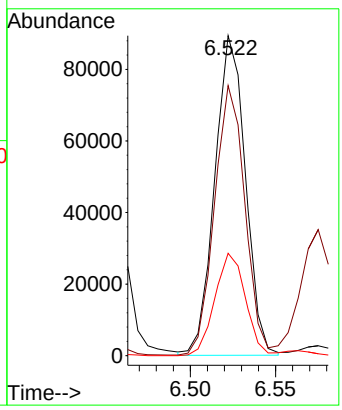


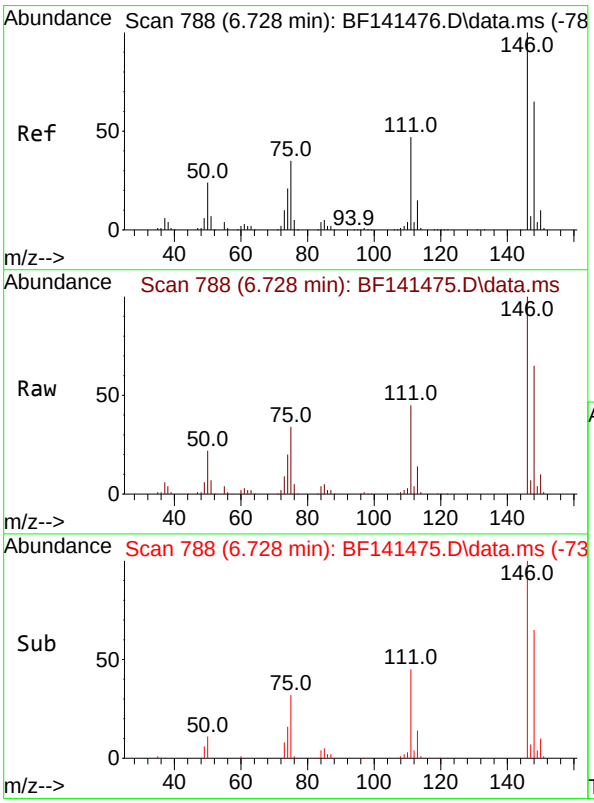
#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 111675

Ion	Ratio	Lower	Upper
93	100		
63	84.4	62.0	102.0
95	32.0	12.6	52.6

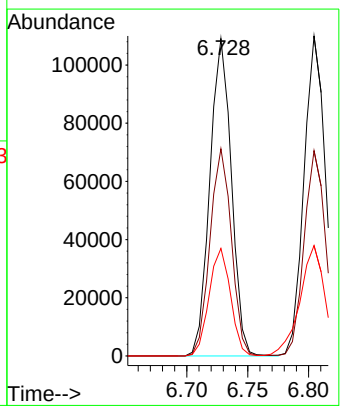


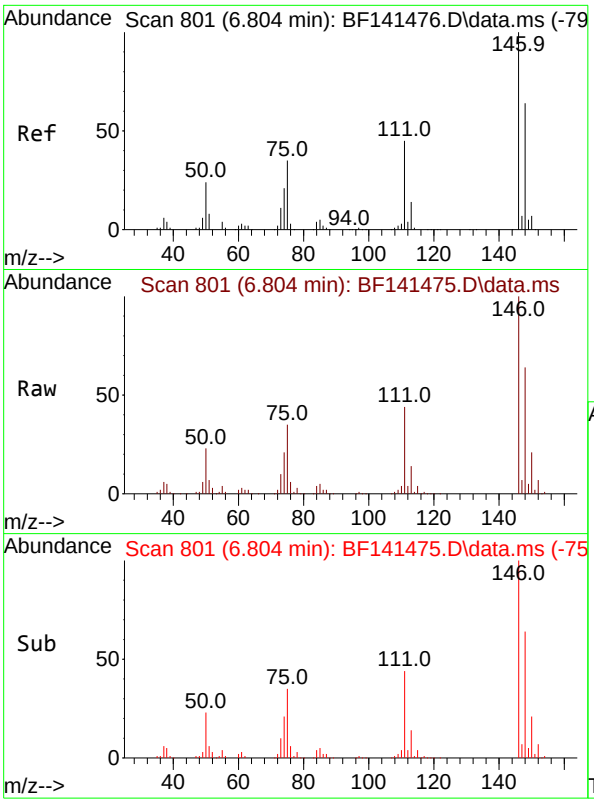


#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 133906

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.9	77.9
75	33.8	28.2	42.2



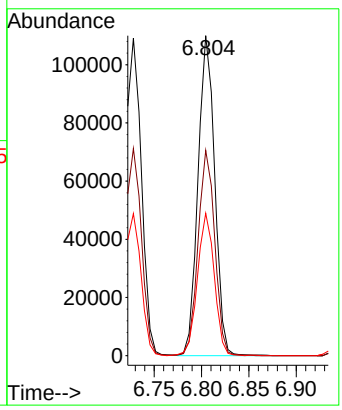


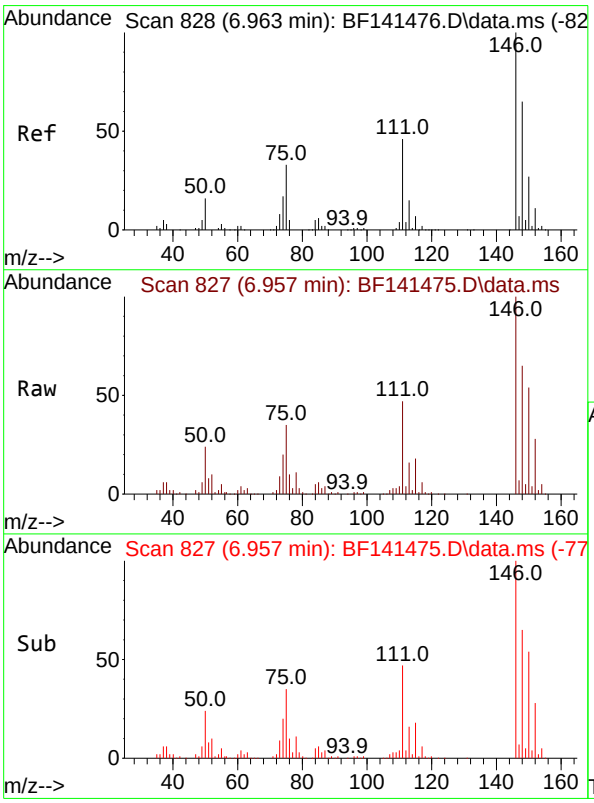
#13
1,4-Dichlorobenzene
Concen: 21.134 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 135357

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	44.5	35.9	53.9

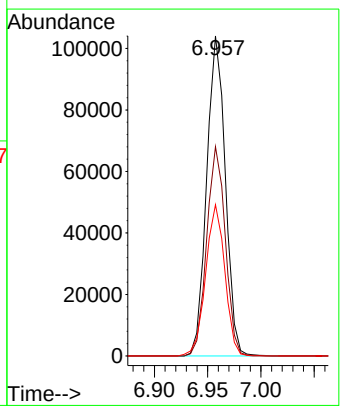


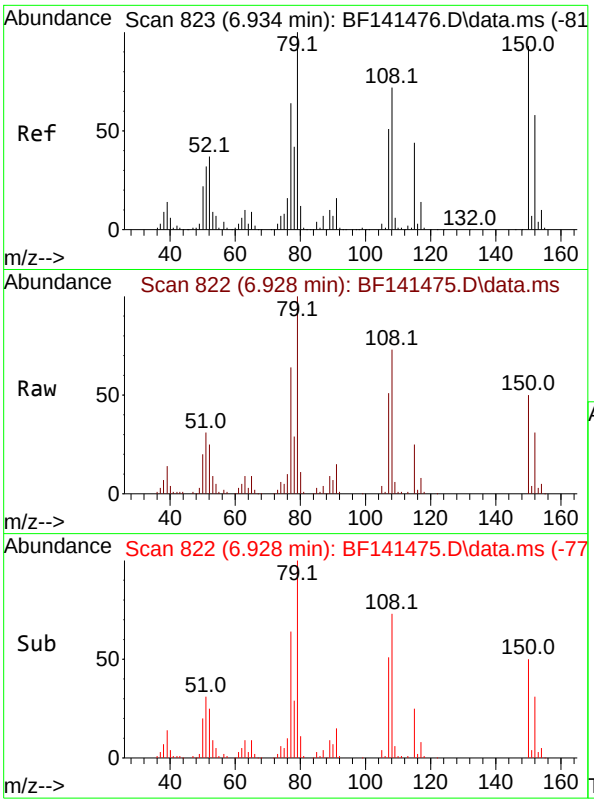


#14
1,2-Dichlorobenzene
Concen: 21.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 126931

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
111	47.3	37.0	55.4



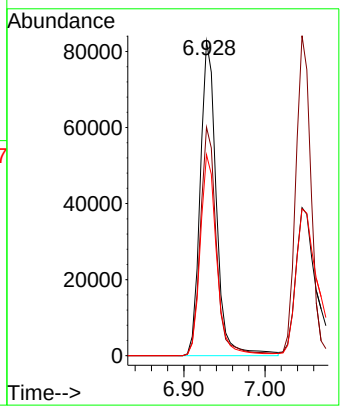


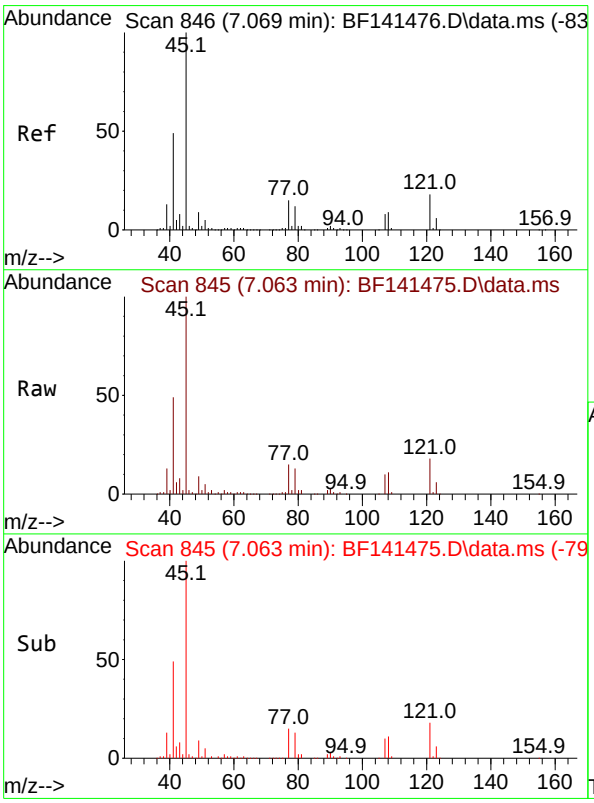
#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 113901

Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.4	86.2
77	63.9	50.9	76.3

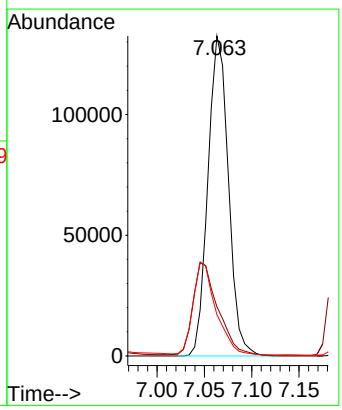


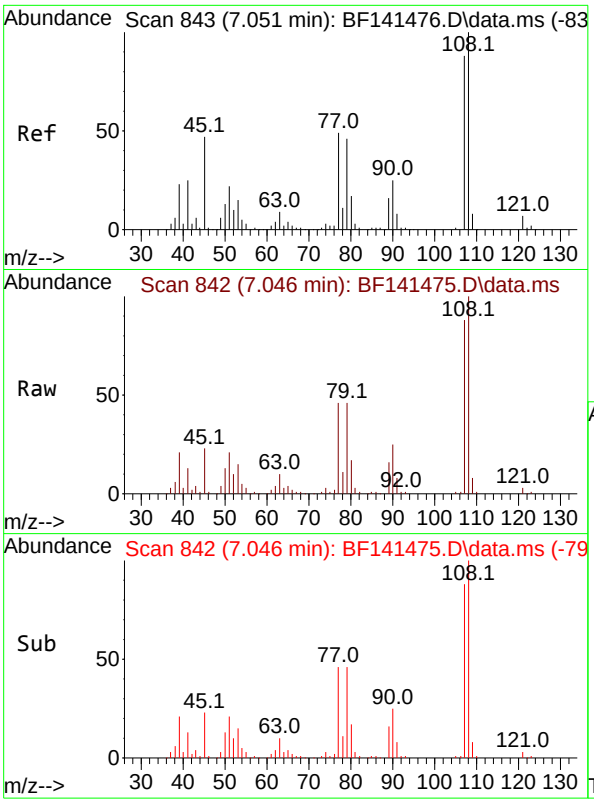


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 45 Resp: 199281

Ion	Ratio	Lower	Upper
45	100		
77	15.3	0.0	35.8
79	12.9	0.0	32.7



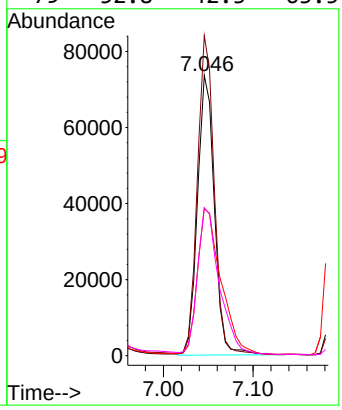


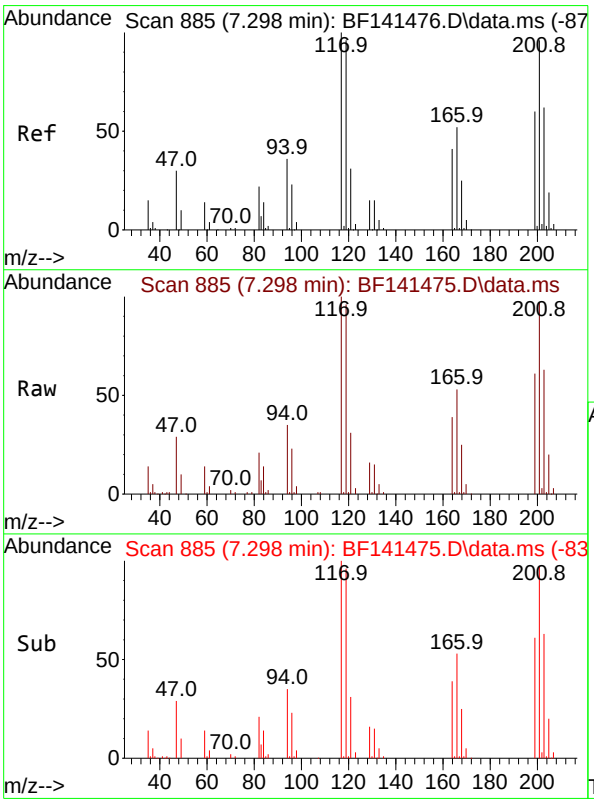
#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 96607

Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	52.4	44.4	66.6
79	52.8	42.3	63.5

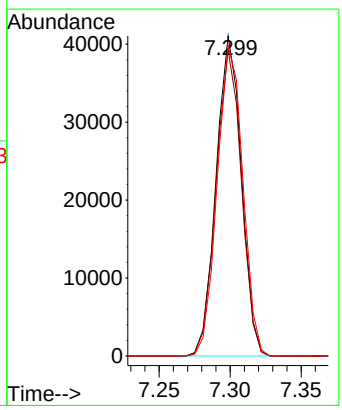


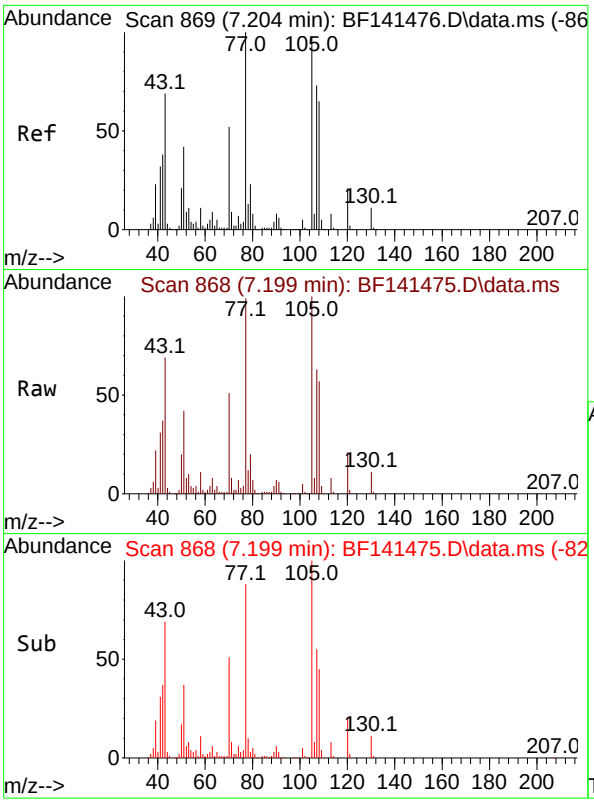


#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:117 Resp: 50745

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
201	97.0	76.7	115.1



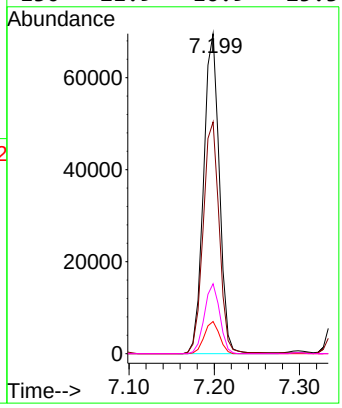


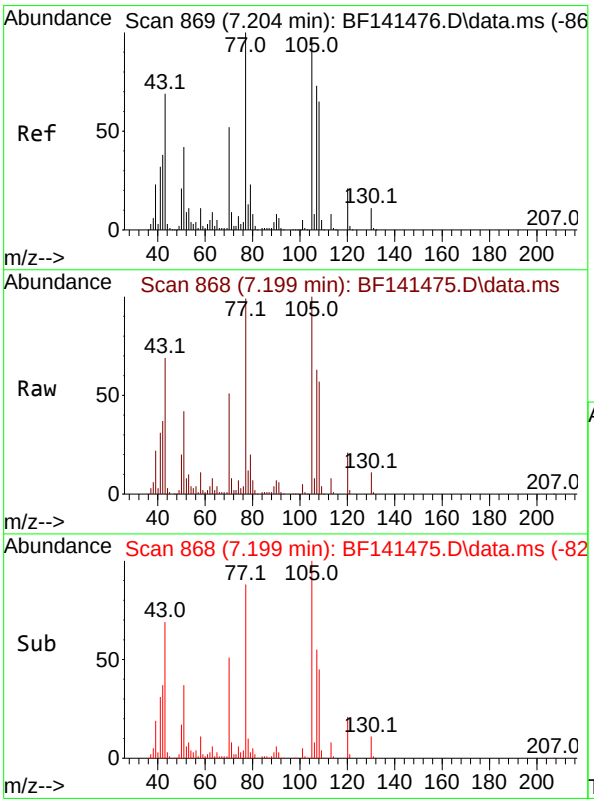
#19
n-Nitroso-di-n-propylamine
Concen: 21.546 ng
RT: 7.199 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 89512

Ion	Ratio	Lower	Upper
70	100		
42	72.4	57.4	86.2
101	10.0	8.0	12.0
130	21.9	16.9	25.3

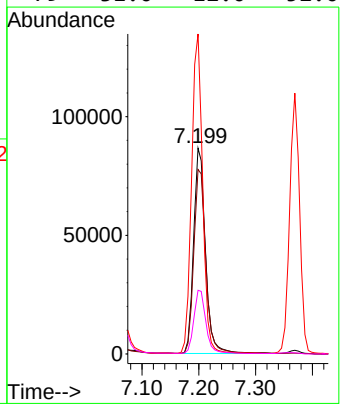


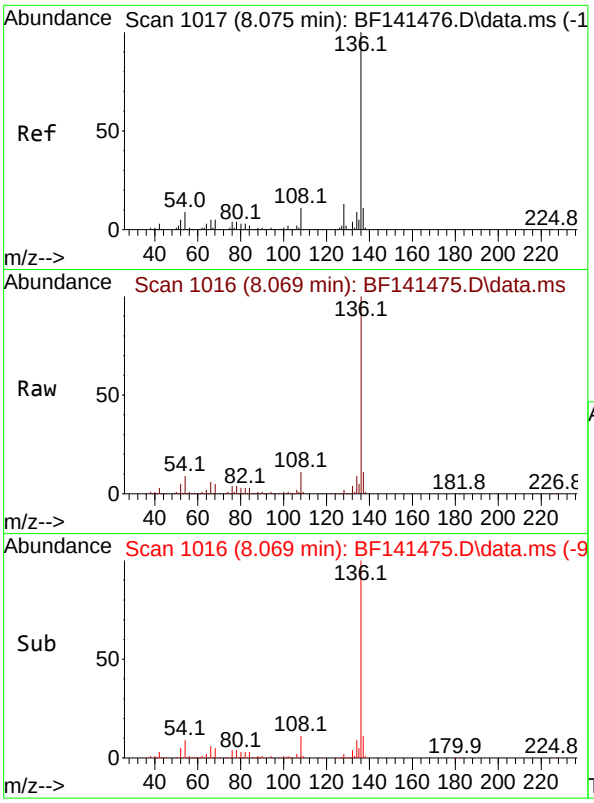


#20
3+4-Methylphenols
Concen: 21.287 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 125707

Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.5	108.5
77	155.6	116.5	156.5
79	31.0	12.0	52.0



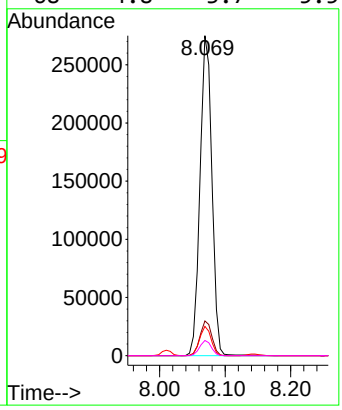


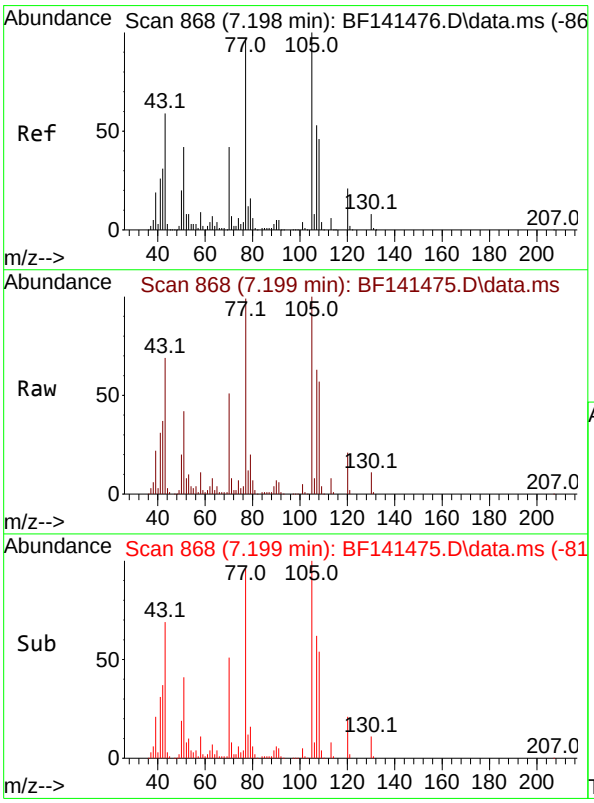
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 348017

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.8	3.7	5.5

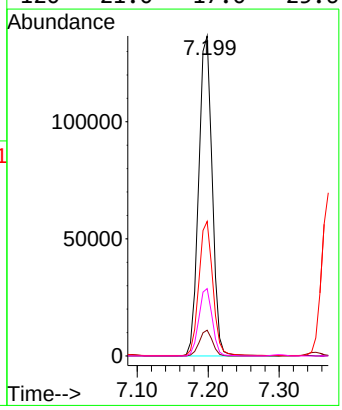


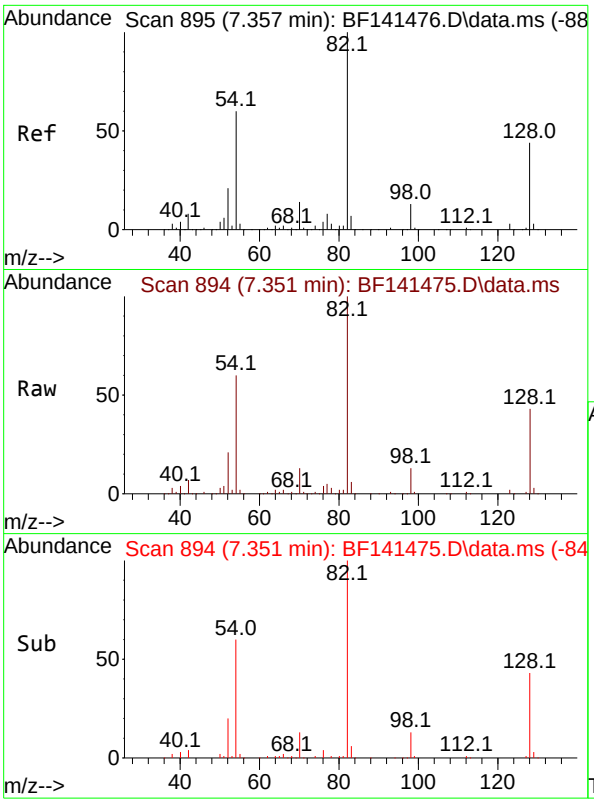


#22
Acetophenone
Concen: 20.946 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:105 Resp: 181333

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.7	8.5
51	42.0	33.7	50.5
120	21.0	17.0	25.6



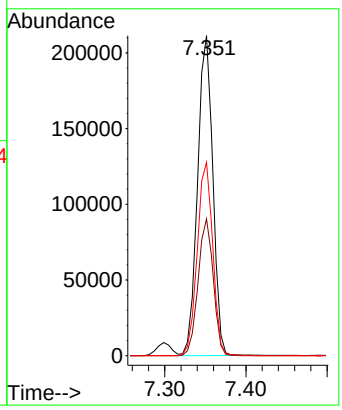


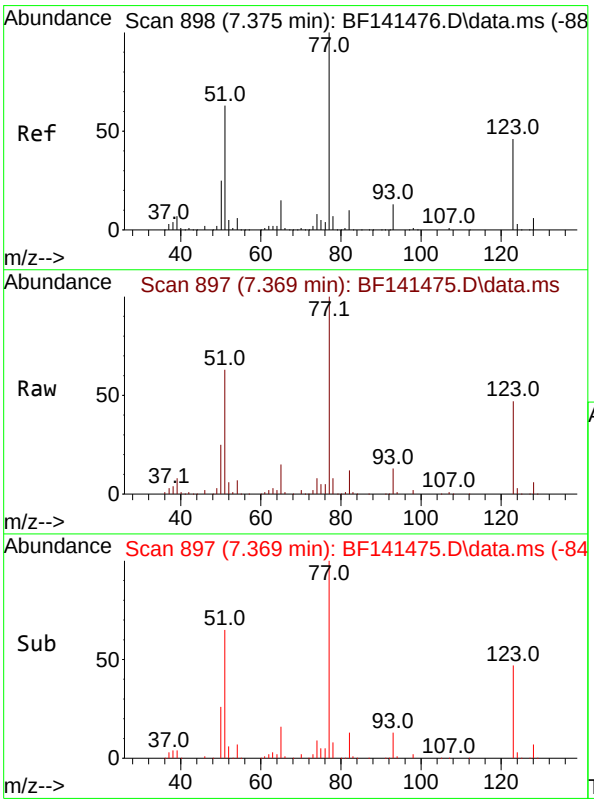
#23
Nitrobenzene-d5
Concen: 41.331 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 275773

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	60.5	48.2	72.4

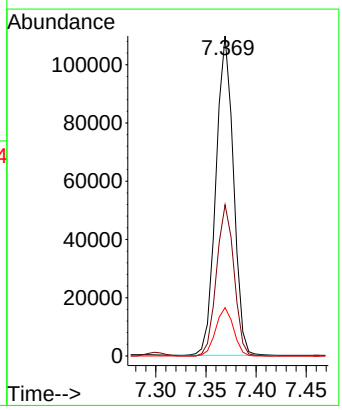


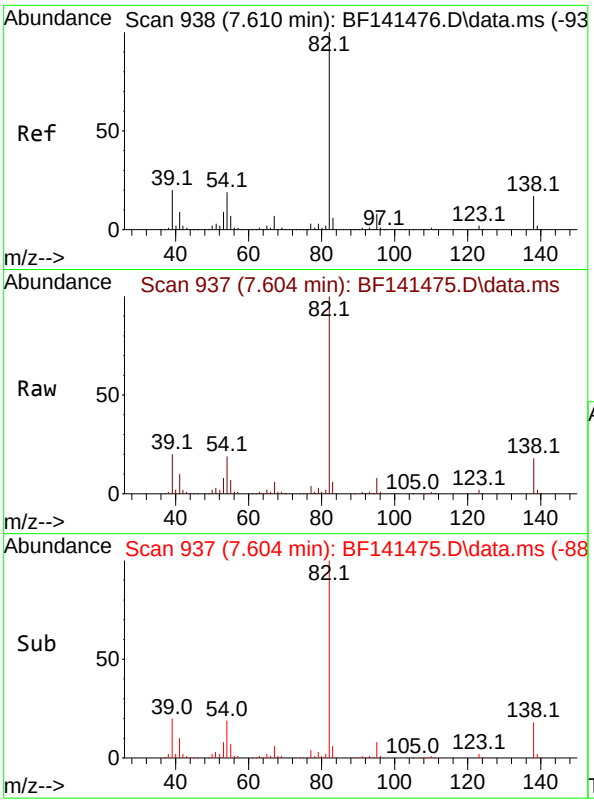


#24
Nitrobenzene
Concen: 20.485 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 133285

Ion	Ratio	Lower	Upper
77	100		
123	47.3	36.9	55.3
65	15.1	11.9	17.9



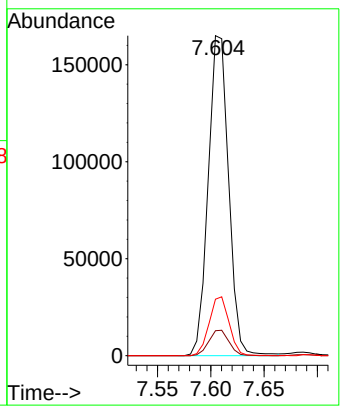


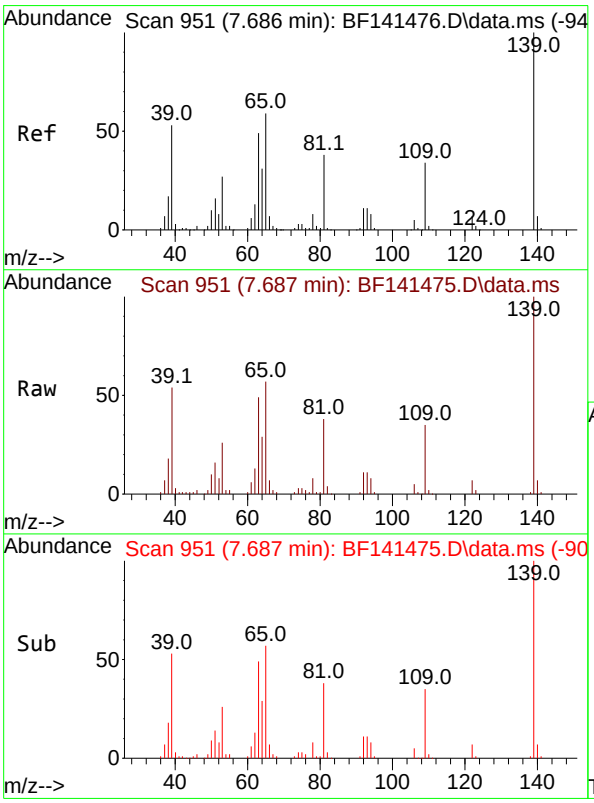
#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 220291

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.6	13.9	20.9

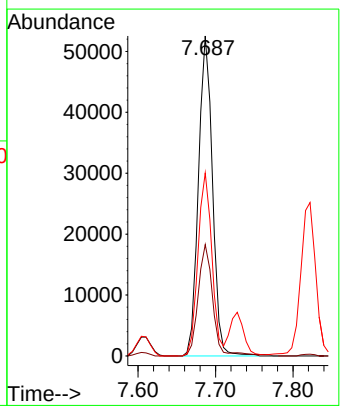


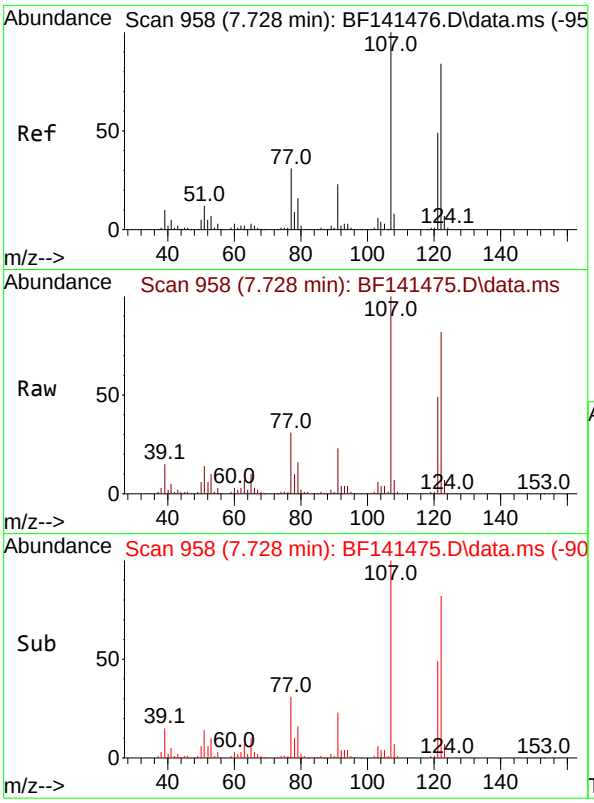


#26
2-Nitrophenol
Concen: 20.449 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:139 Resp: 66195

Ion	Ratio	Lower	Upper
139	100		
109	34.8	27.0	40.6
65	57.2	47.1	70.7



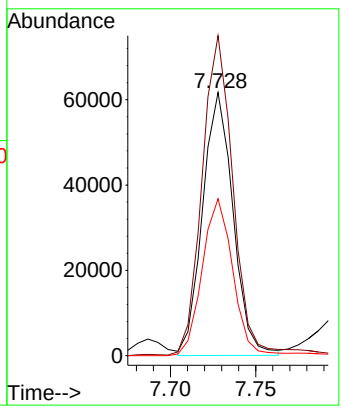


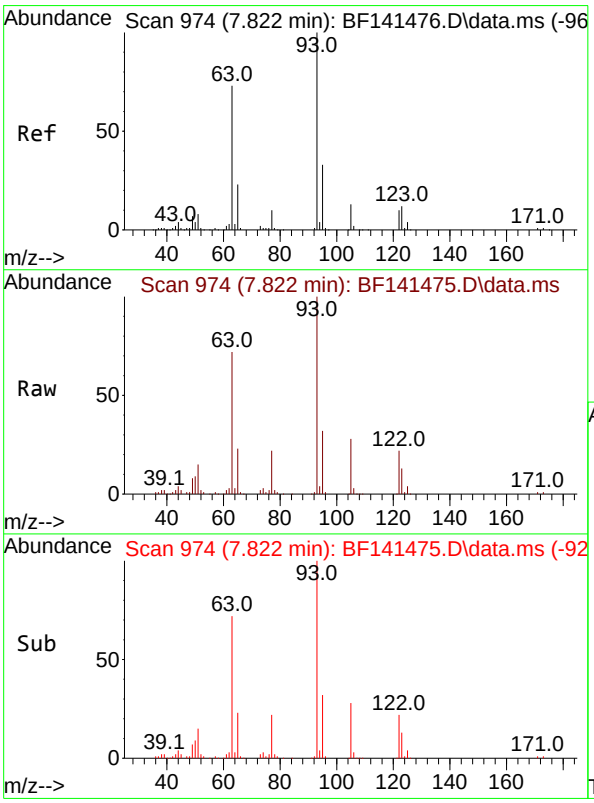
#27
2,4-Dimethylphenol
Concen: 20.296 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 76751

Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.3	141.5
121	59.6	46.0	69.0

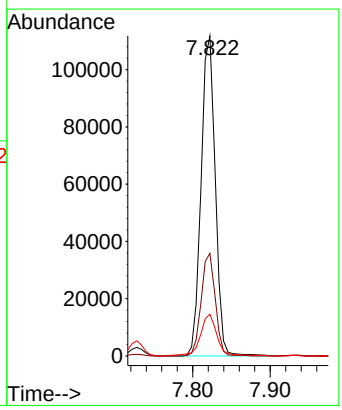


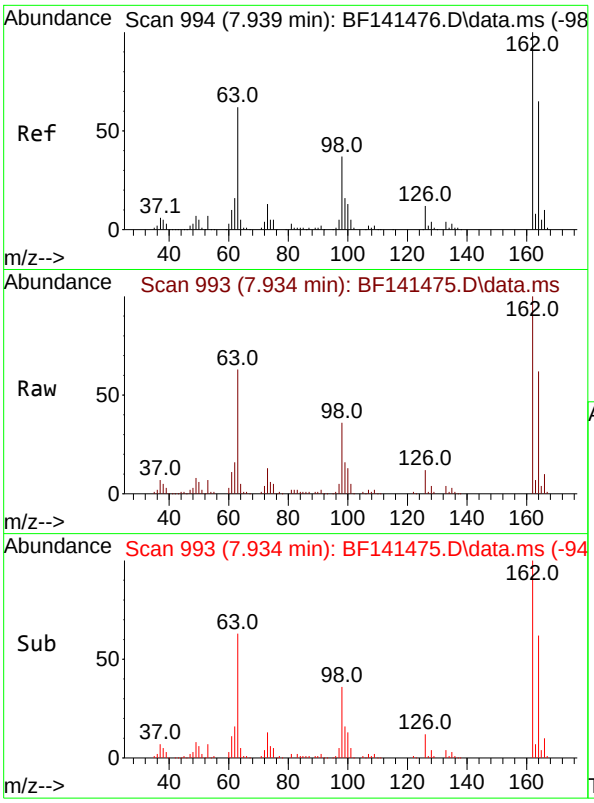


#28
bis(2-Chloroethoxy)methane
Concen: 20.852 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 142151

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.1	39.1
123	13.0	9.5	14.3



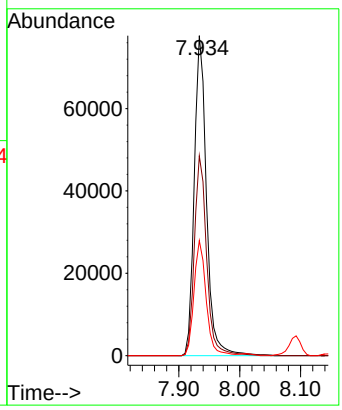


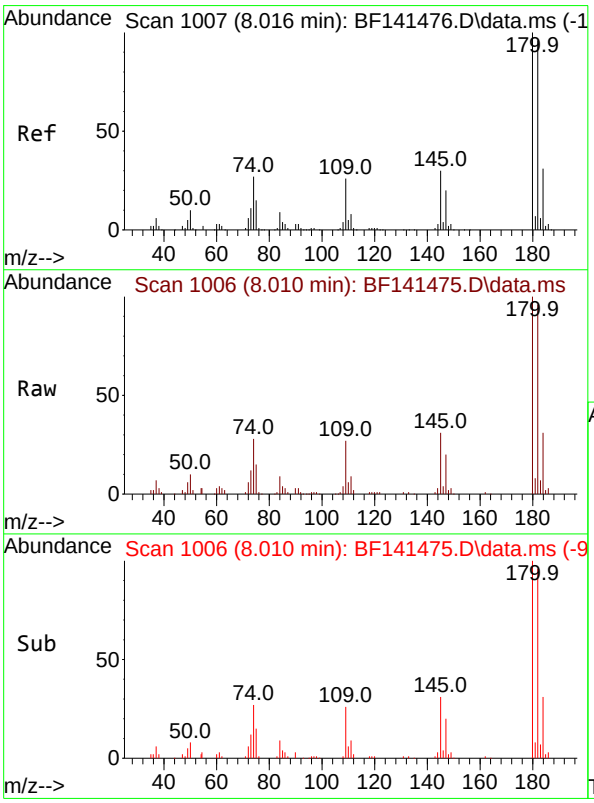
#29
2,4-Dichlorophenol
Concen: 21.227 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 108456

Ion	Ratio	Lower	Upper
162	100		
164	62.4	44.6	84.6
98	36.0	17.2	57.2

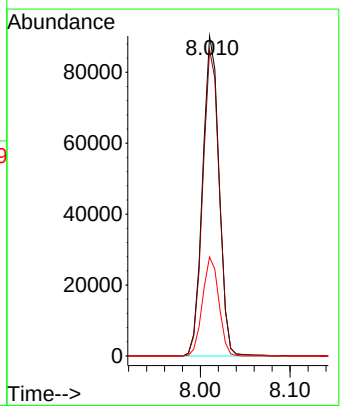


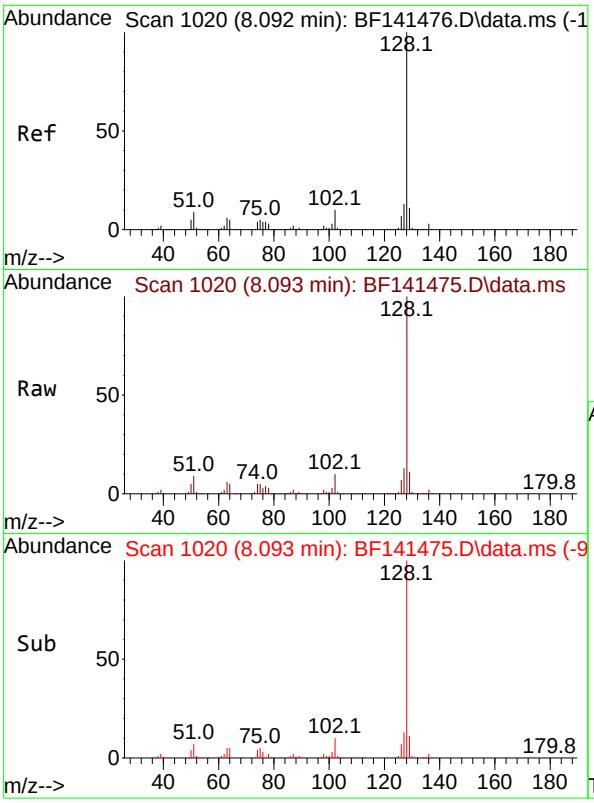


#30
1,2,4-Trichlorobenzene
Concen: 20.678 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:180 Resp: 115050

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	31.0	24.2	36.4



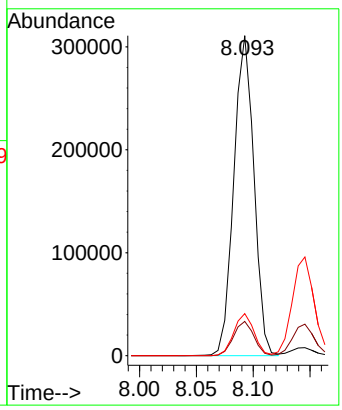


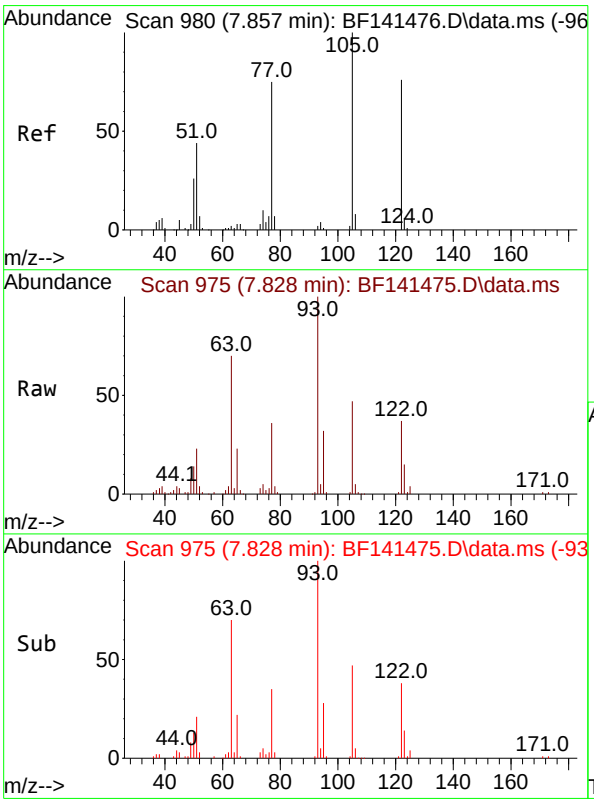
#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 381547

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.2	10.7	16.1

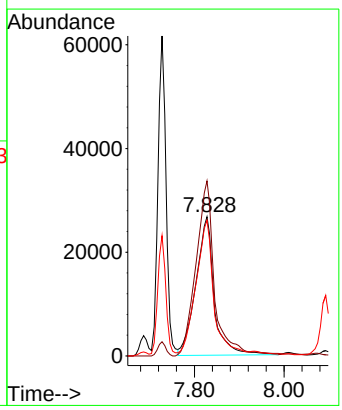


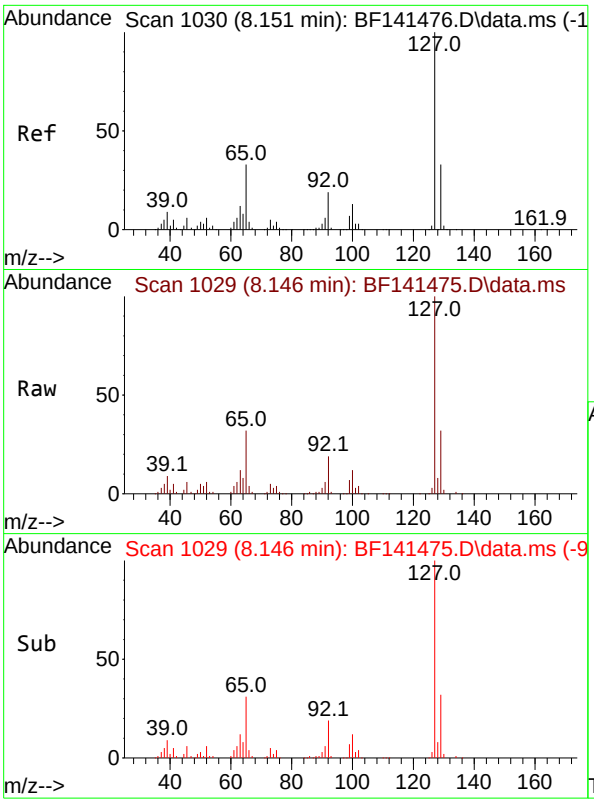


#32
Benzoic acid
Concen: 19.212 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:122 Resp: 75462

Ion	Ratio	Lower	Upper
122	100		
105	125.8	106.5	146.5
77	97.6	76.3	116.3



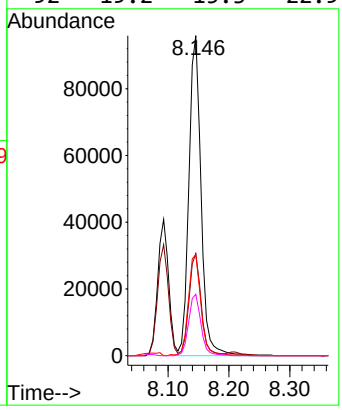


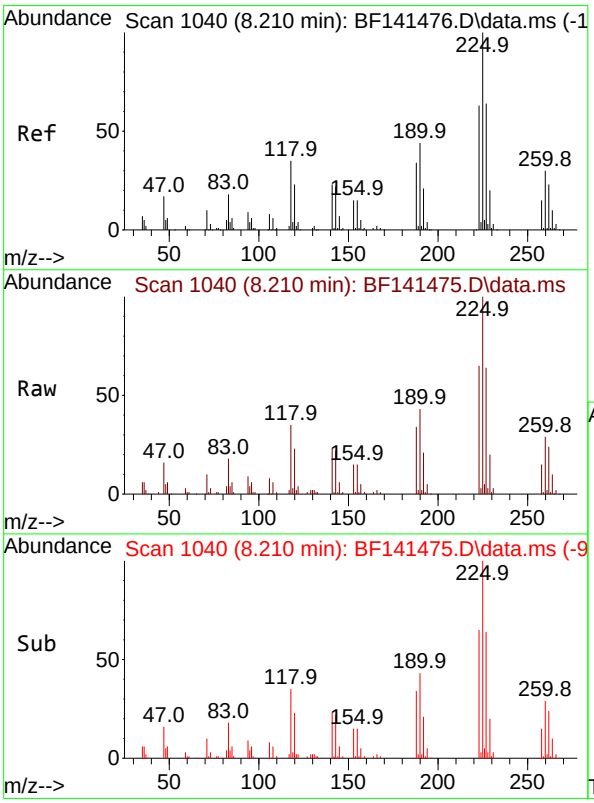
#33
4-Chloroaniline
Concen: 21.014 ng
RT: 8.146 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 132911

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	31.6	26.4	39.6
92	19.2	15.3	22.9

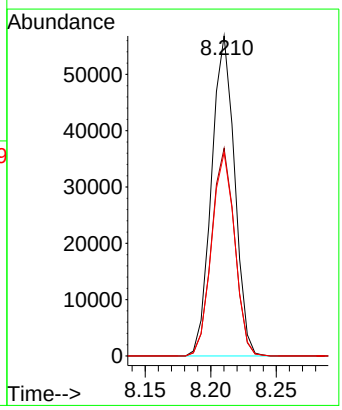


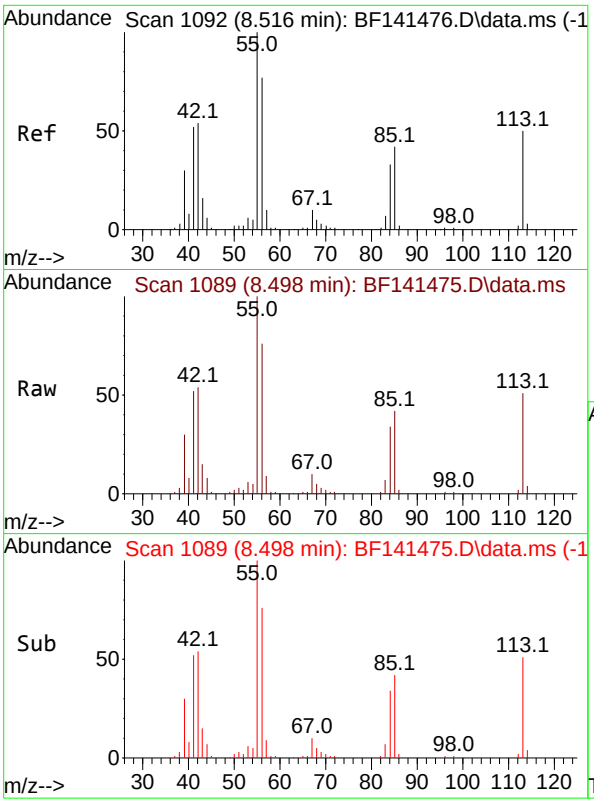


#34
Hexachlorobutadiene
Concen: 20.804 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:225 Resp: 69492

Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.1	75.1
227	63.5	51.0	76.6



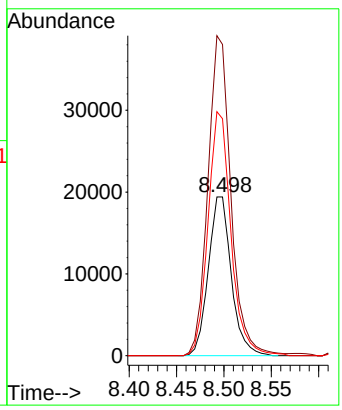


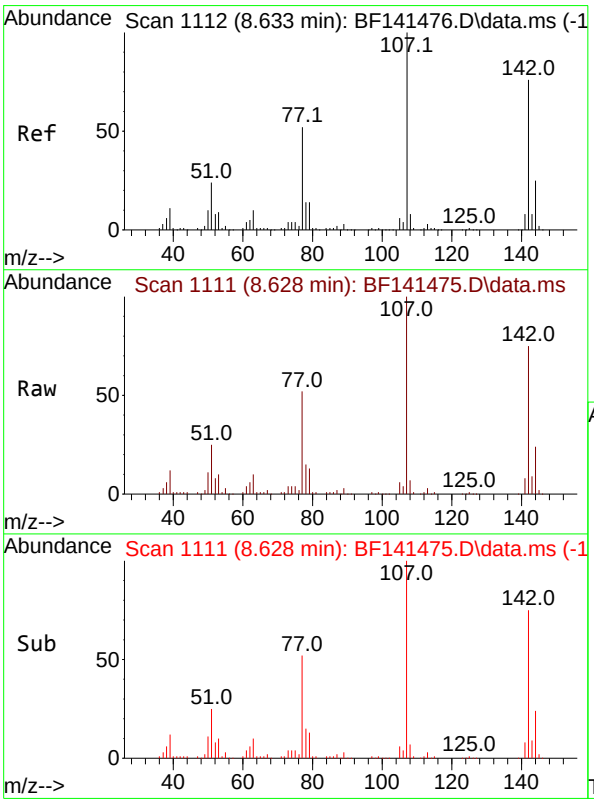
#35
Caprolactam
Concen: 21.050 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 32746

Ion	Ratio	Lower	Upper
113	100		
55	196.0	180.8	220.8
56	149.2	133.6	173.6

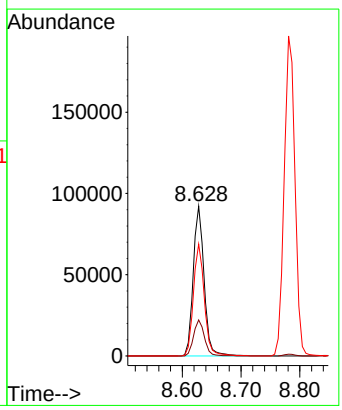


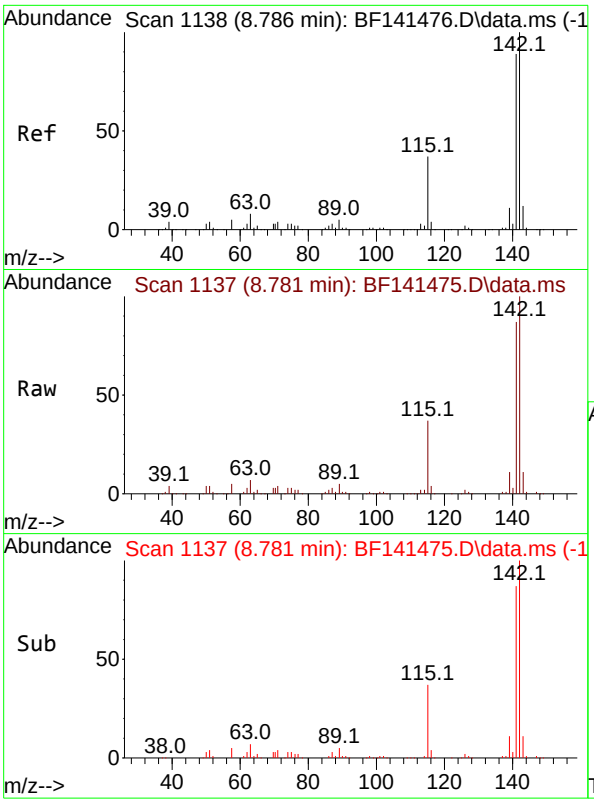


#36
4-Chloro-3-methylphenol
Concen: 21.029 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 119021

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.7	29.5
142	74.7	60.8	91.2



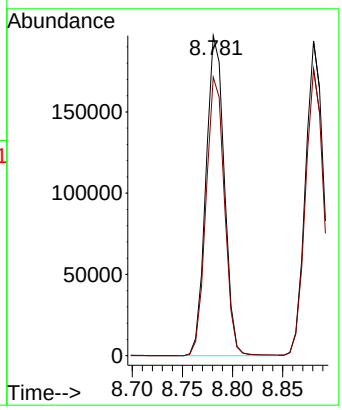


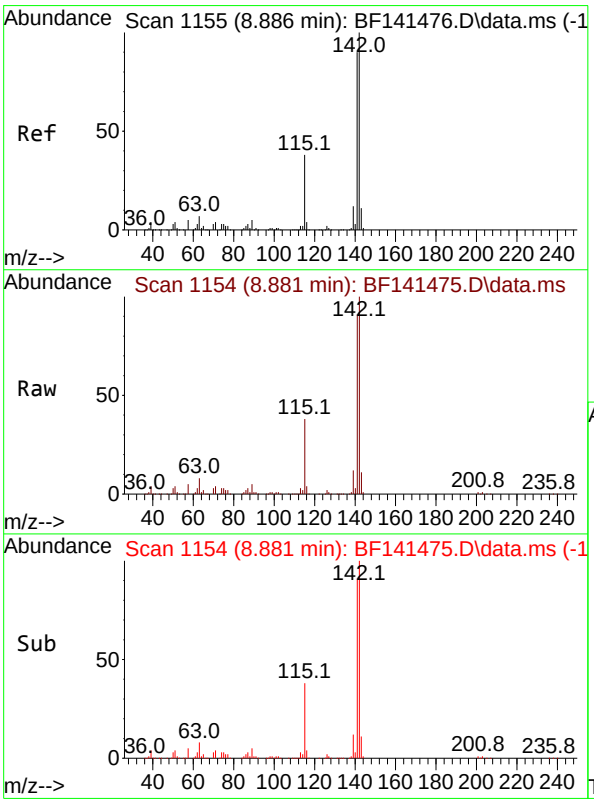
#37
2-Methylnaphthalene
Concen: 21.238 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 250365

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.2	106.8

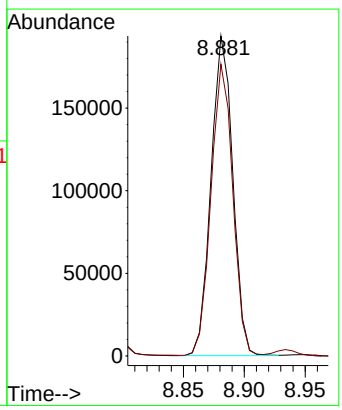


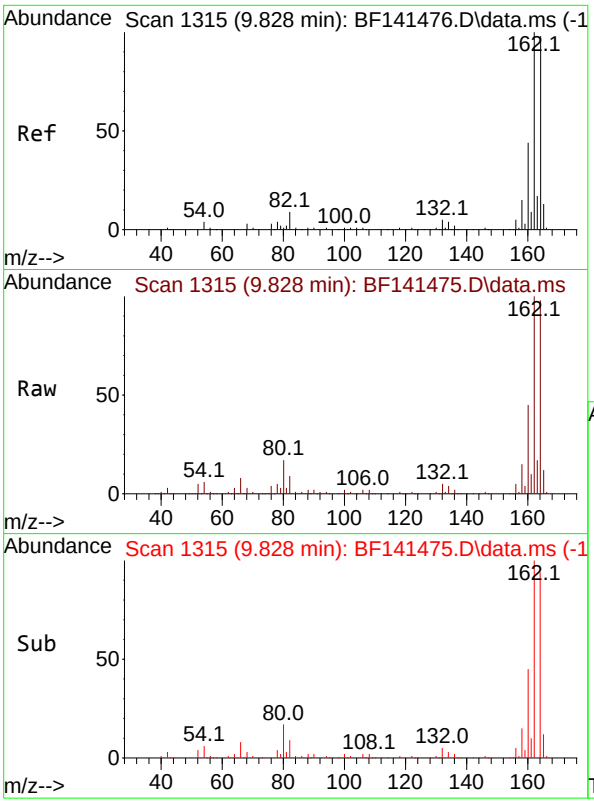


#38
1-Methylnaphthalene
Concen: 21.056 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 240408

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1



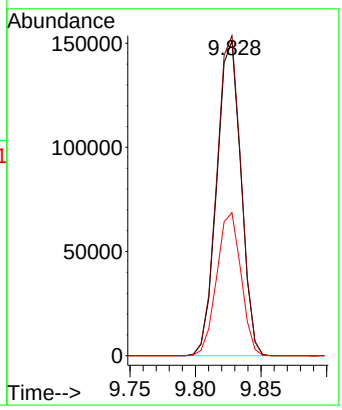


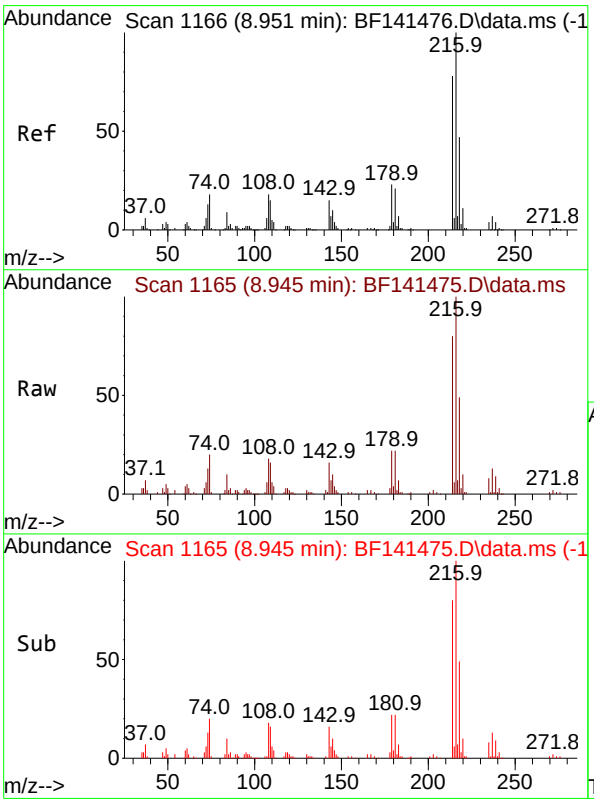
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 193091

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	45.5	35.9	53.9

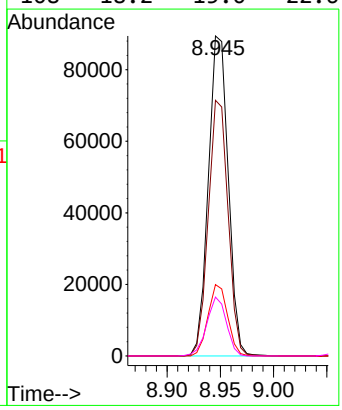


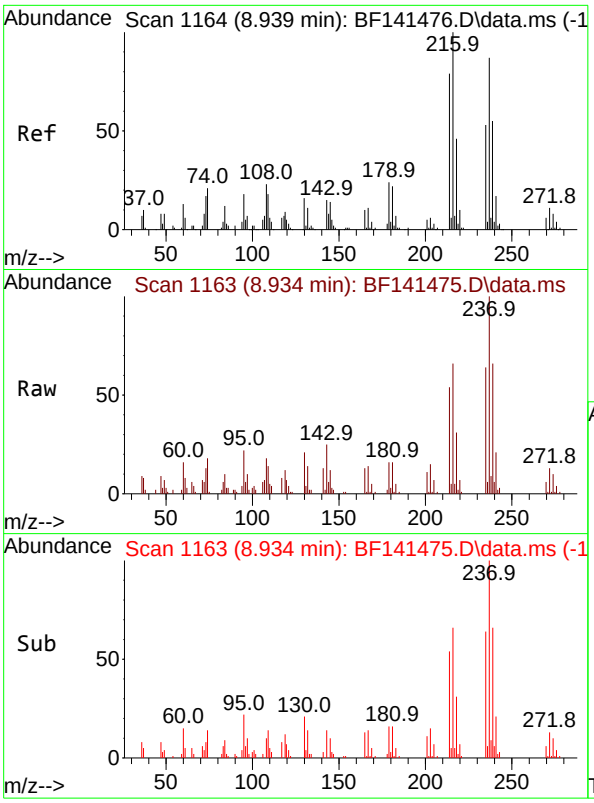


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.753 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:216 Resp: 115936

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.3	93.5
179	21.9	18.0	27.0
108	18.2	15.0	22.6



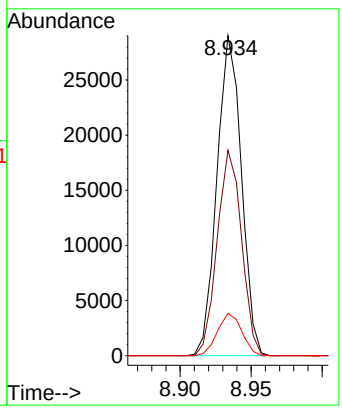


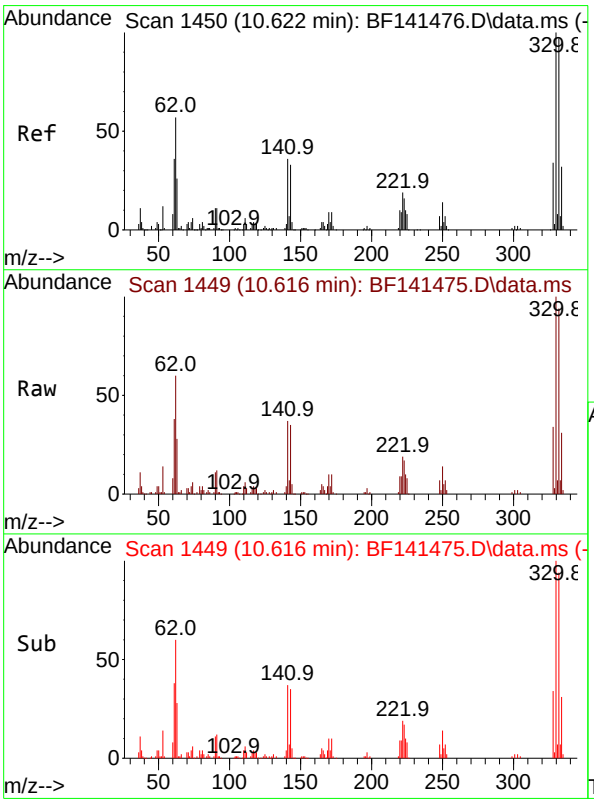
#41
Hexachlorocyclopentadiene
Concen: 18.691 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 34729

Ion	Ratio	Lower	Upper
237	100		
235	64.2	41.4	81.4
272	13.2	0.0	32.4

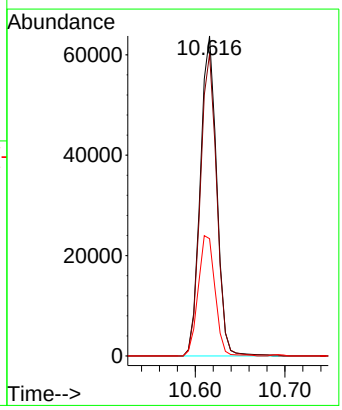


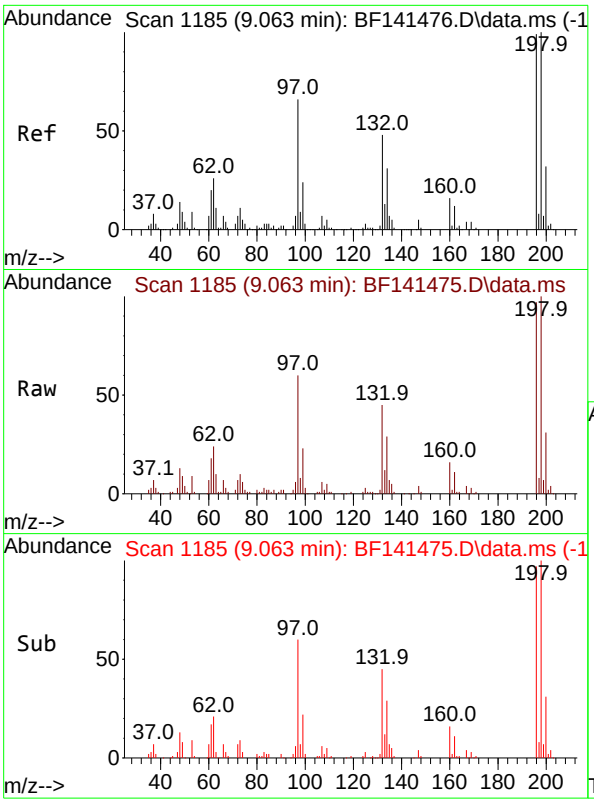


#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:330 Resp: 80912

Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.5	117.7
141	38.7	31.0	46.4



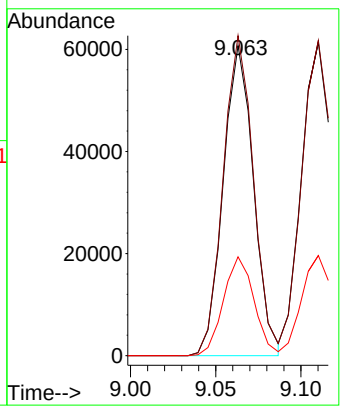


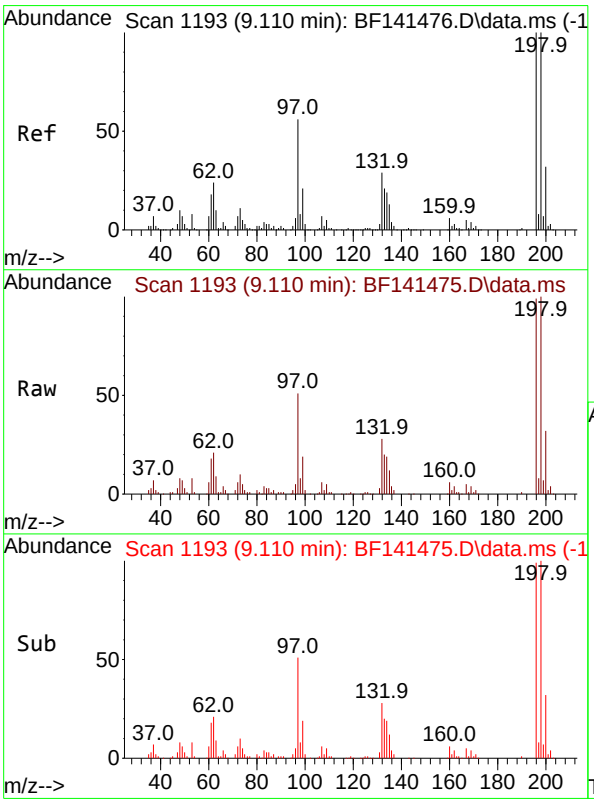
#43
2,4,6-Trichlorophenol
Concen: 20.817 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 75161

Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.6	121.0
200	31.9	25.5	38.3

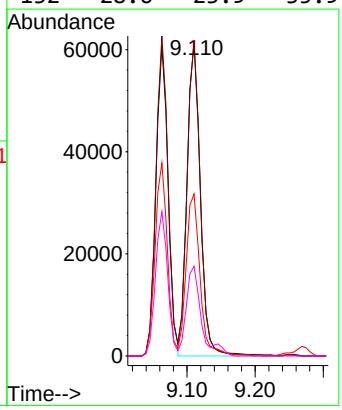


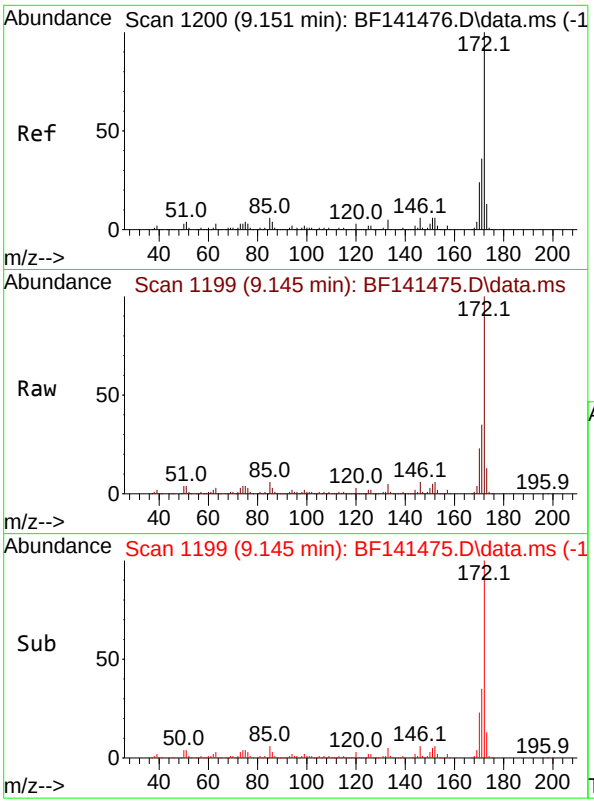


#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:196 Resp: 83112

Ion	Ratio	Lower	Upper
196	100		
198	100.6	79.8	119.8
97	51.7	44.8	67.2
132	28.6	23.9	35.9



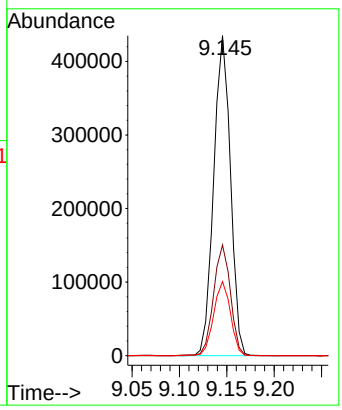


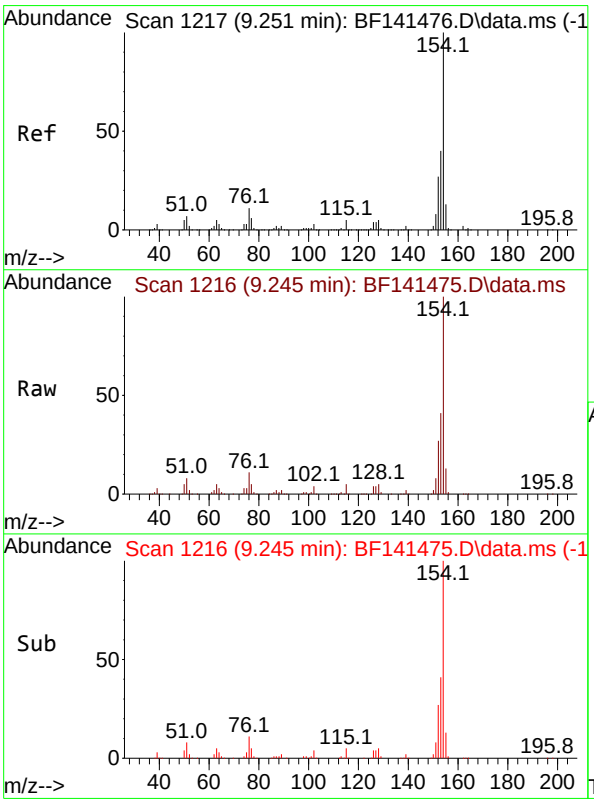
#45
2-Fluorobiphenyl
Concen: 42.674 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 534841

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.7	43.1
170	23.1	18.9	28.3

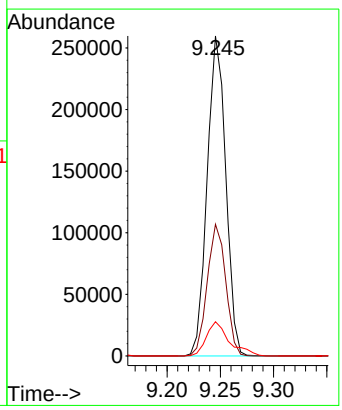


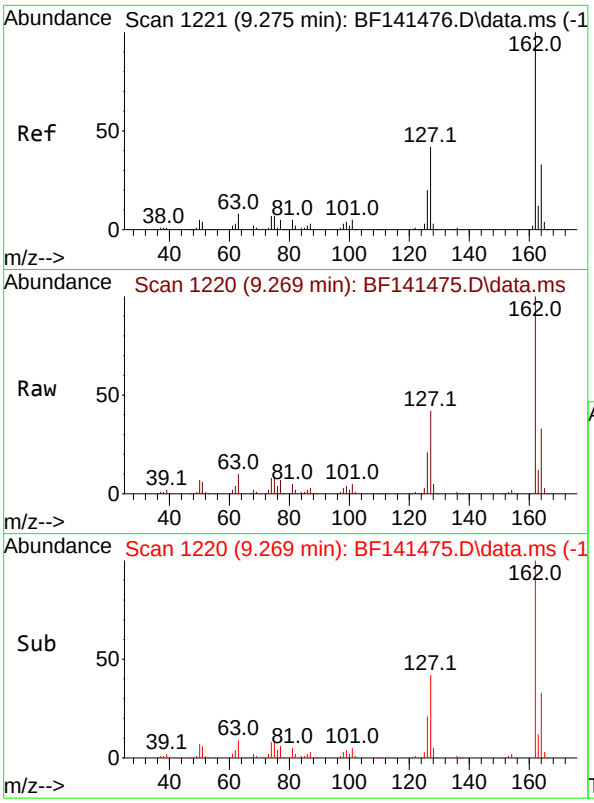


#46
1,1'-Biphenyl
Concen: 21.045 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 315040

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.4	60.4
76	10.7	0.0	30.8



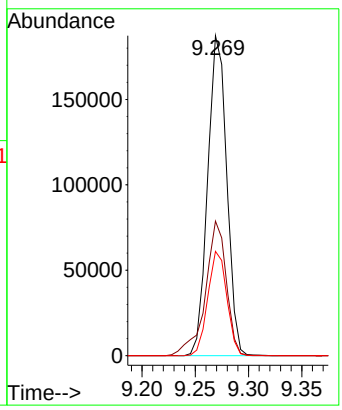


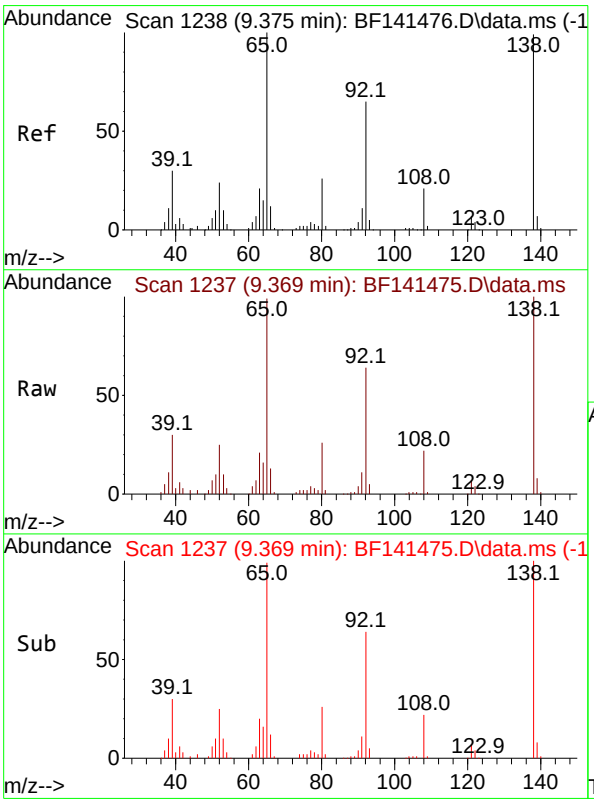
#47
2-Chloronaphthalene
Concen: 21.119 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 233789

Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.1	51.1
164	32.6	26.3	39.5

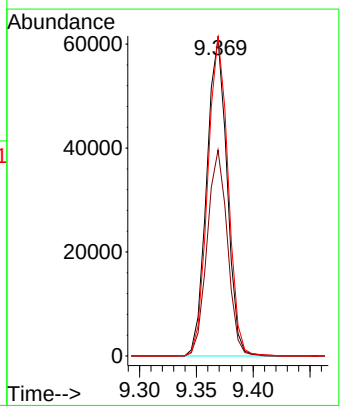


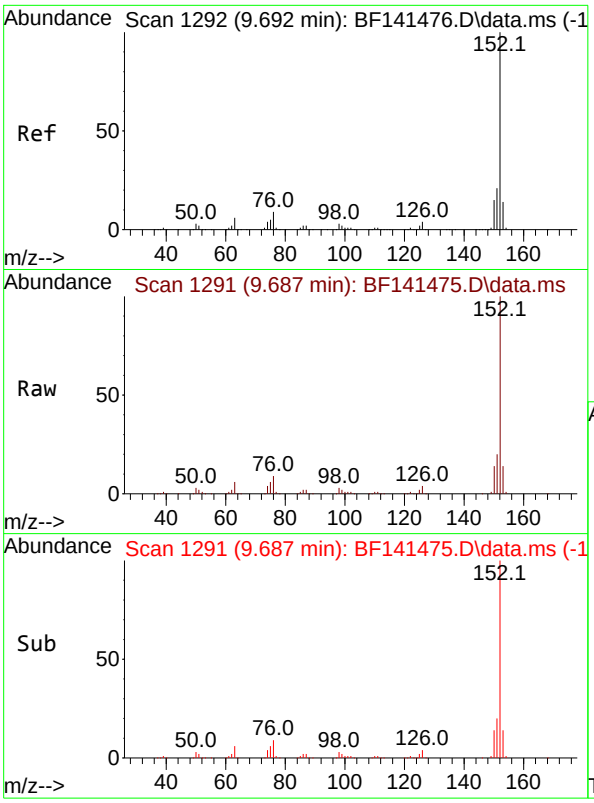


#48
2-Nitroaniline
Concen: 20.455 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 65 Resp: 75990

Ion	Ratio	Lower	Upper
65	100		
92	64.8	52.2	78.2
138	100.7	79.5	119.3



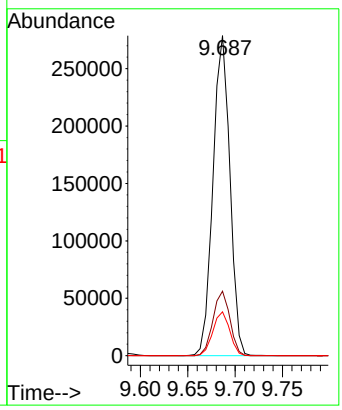


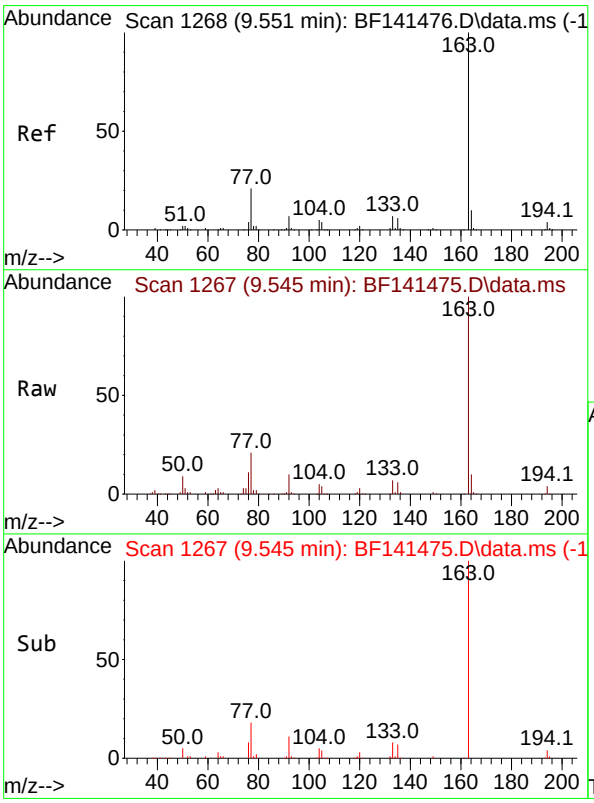
#49
Acenaphthylene
Concen: 21.004 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 345829

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.7	10.9	16.3

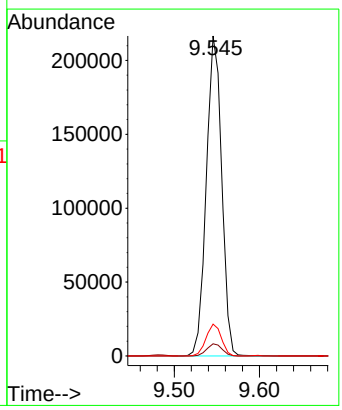


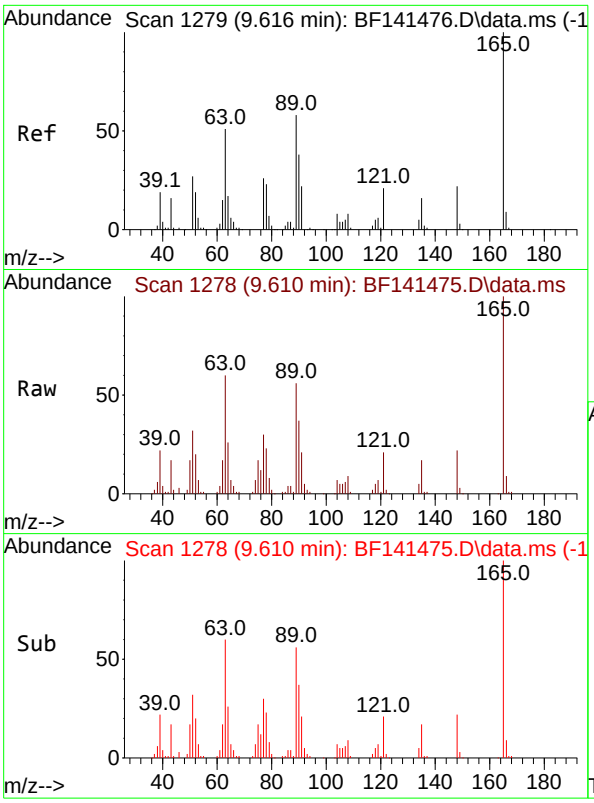


#50
Dimethylphthalate
Concen: 20.744 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:163 Resp: 271920

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.0	7.9	11.9



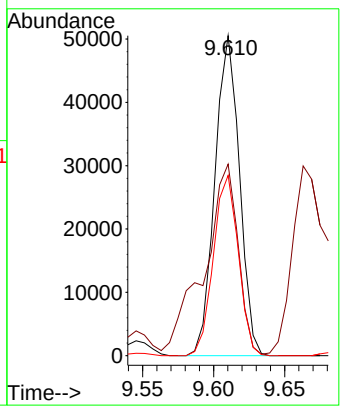


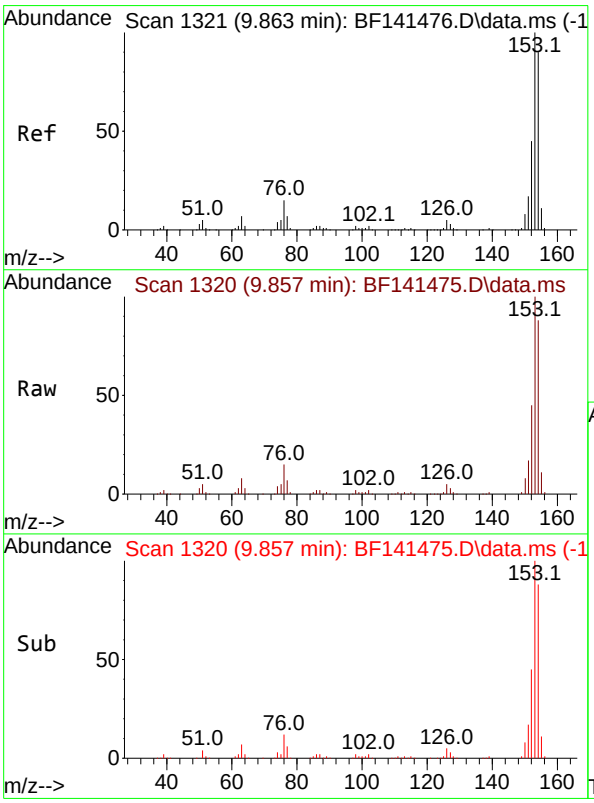
#51
2,6-Dinitrotoluene
Concen: 21.182 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 60700

Ion	Ratio	Lower	Upper
165	100		
63	59.8	49.4	74.0
89	56.3	46.5	69.7

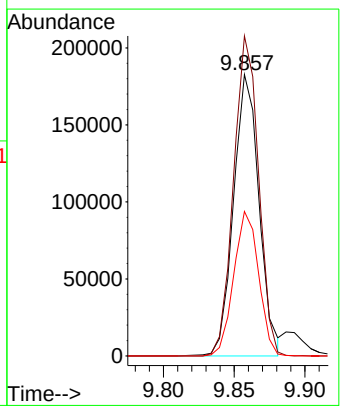


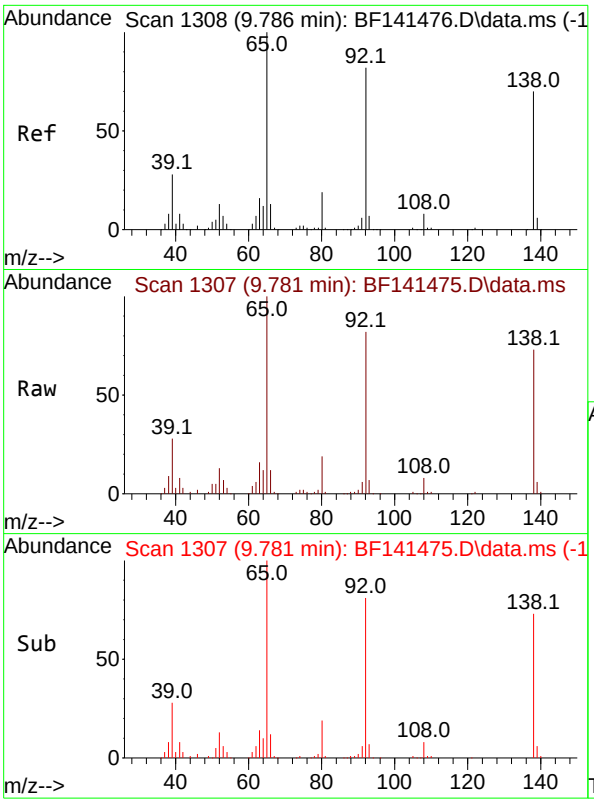


#52
Acenaphthene
Concen: 20.728 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 229442

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.2	133.8
152	51.3	39.8	59.8



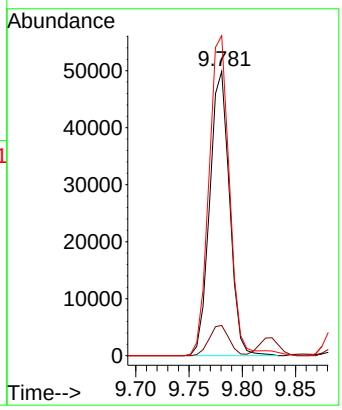


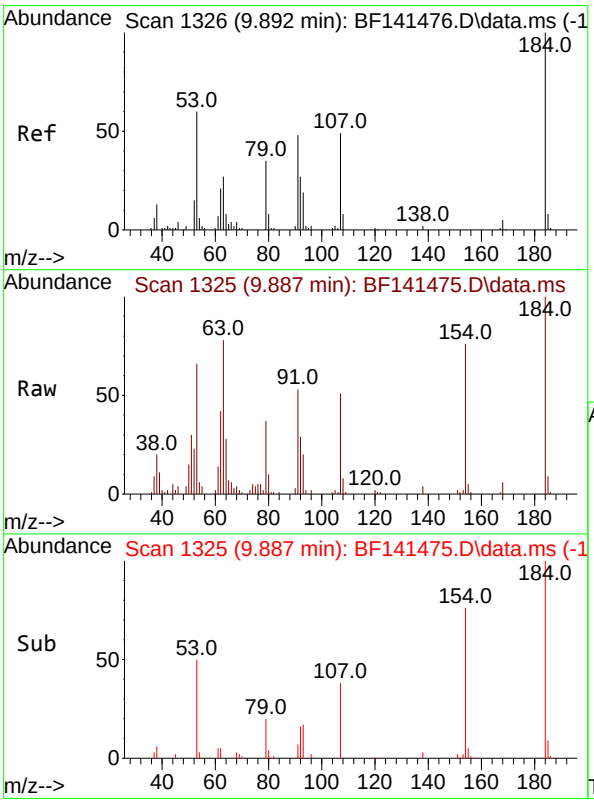
#53
3-Nitroaniline
Concen: 20.954 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 64626

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.4
92	112.5	93.7	140.5

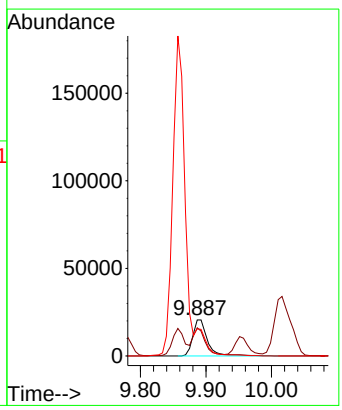


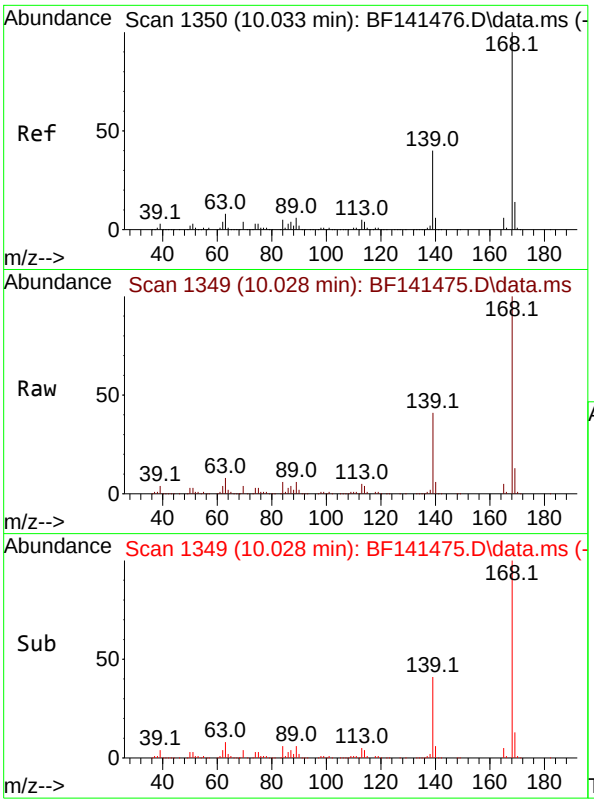


#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 32186

Ion	Ratio	Lower	Upper
184	100		
63	78.3	61.0	91.6
154	75.8	59.9	89.9



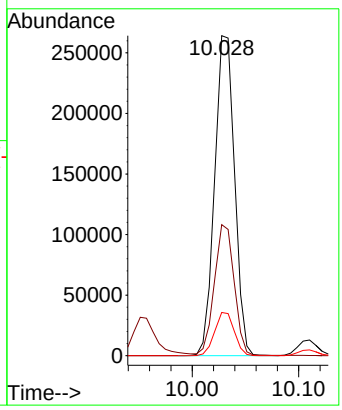


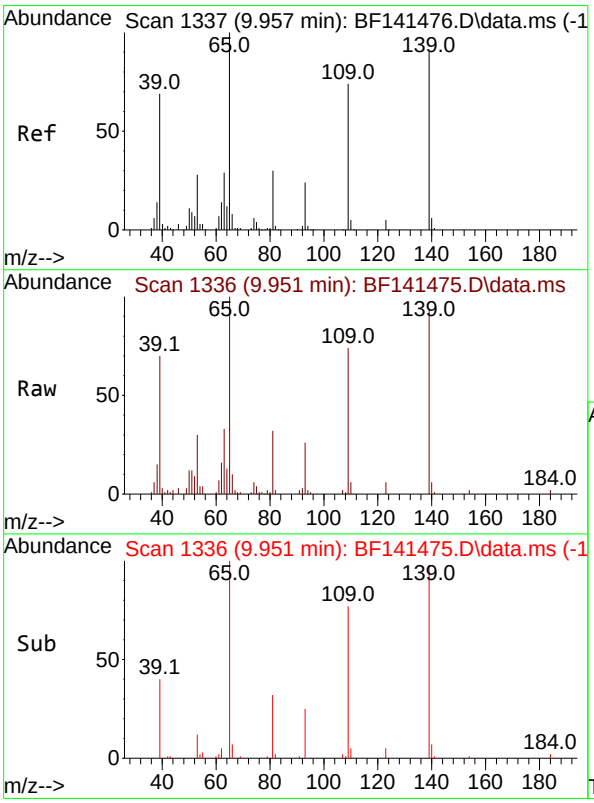
#55
Dibenzofuran
Concen: 21.087 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 342620

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.5	10.8	16.2

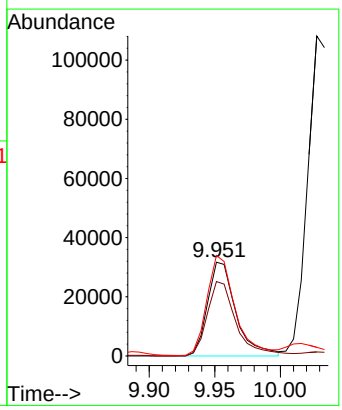


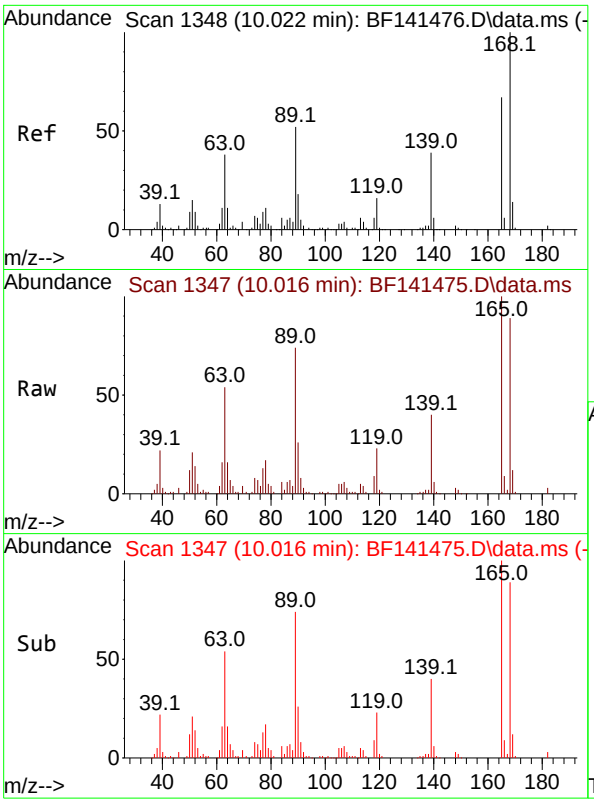


#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:139 Resp: 47721

Ion	Ratio	Lower	Upper
139	100		
109	79.3	62.0	102.0
65	107.1	91.2	131.2



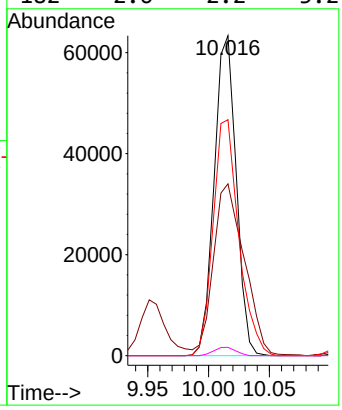


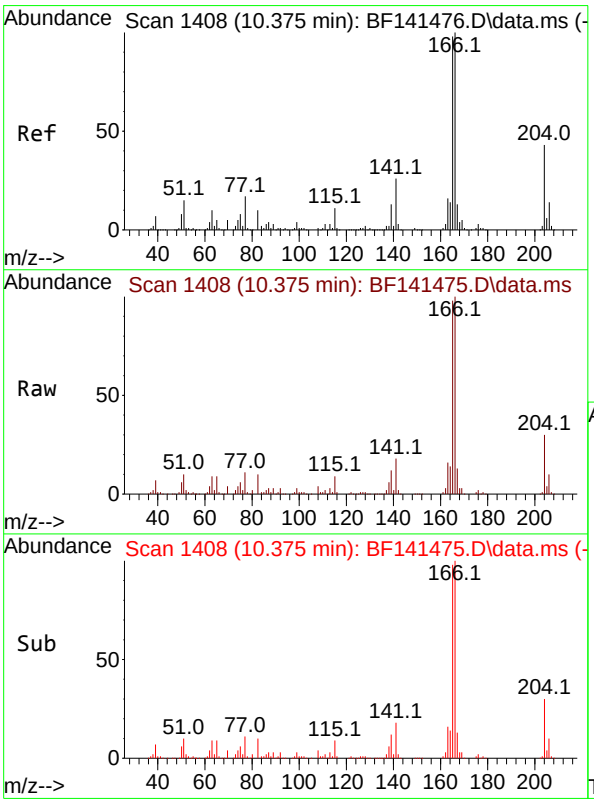
#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 79865

Ion	Ratio	Lower	Upper
165	100		
63	53.7	46.4	69.6
89	73.8	61.8	92.6
182	2.6	2.2	3.2

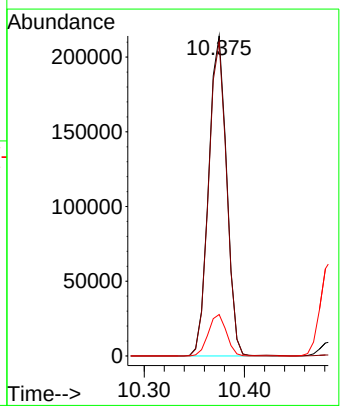


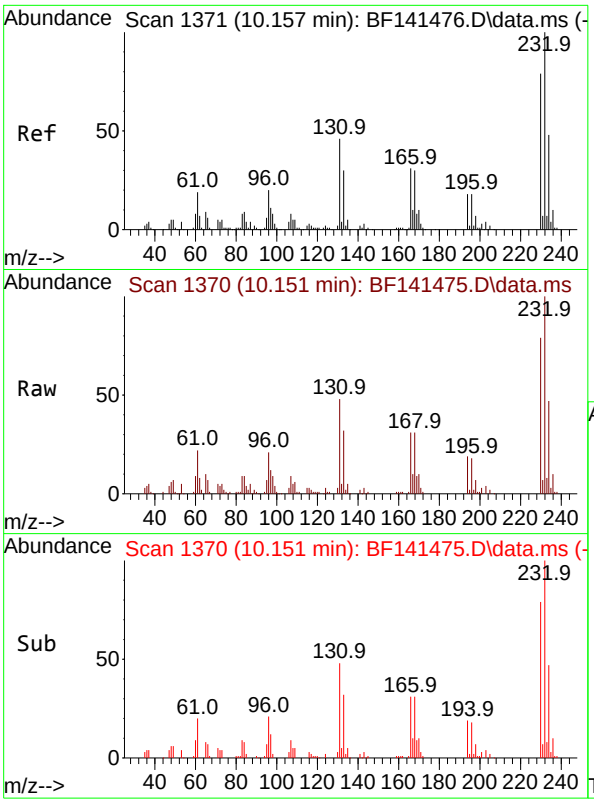


#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:166 Resp: 265810

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.2	117.2
167	13.0	10.7	16.1



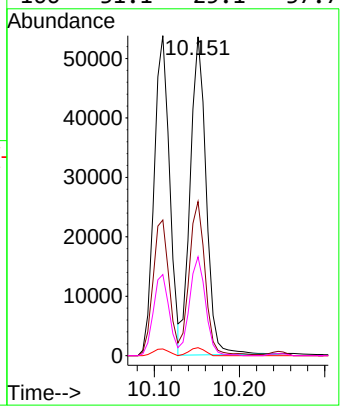


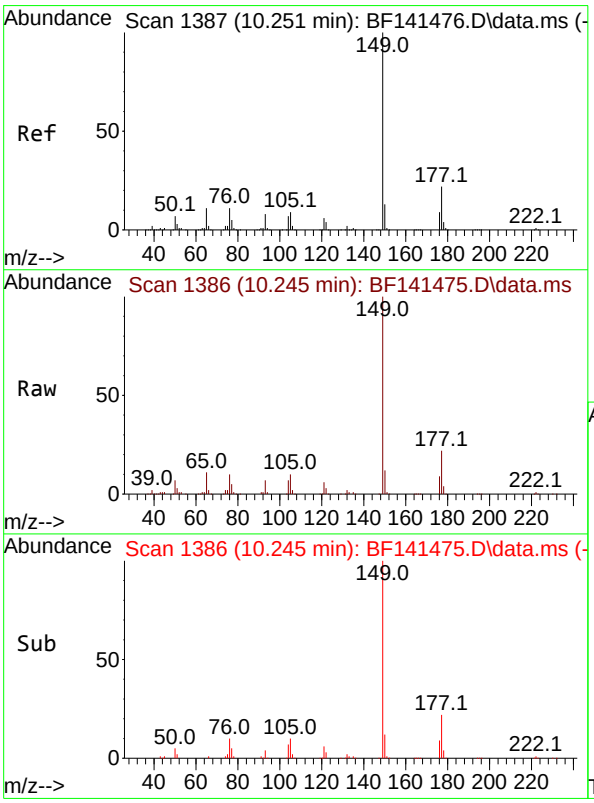
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 69328

Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.2	58.8
130	2.4	2.1	3.1
166	31.1	25.1	37.7

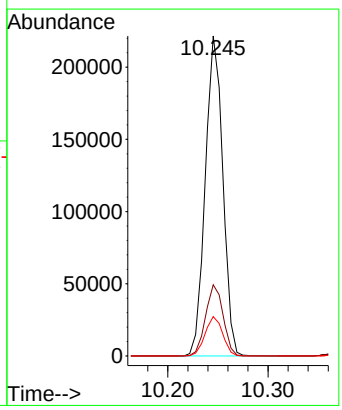


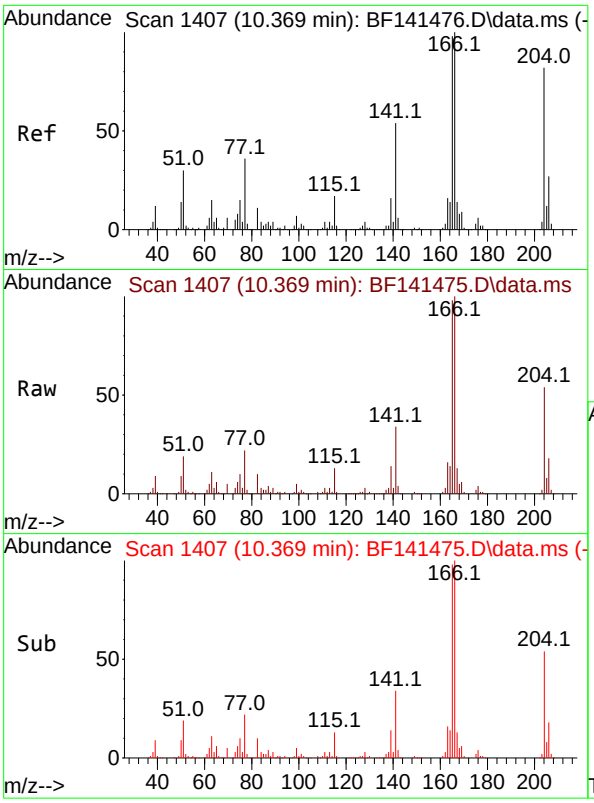


#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 270018

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.3	10.1	15.1



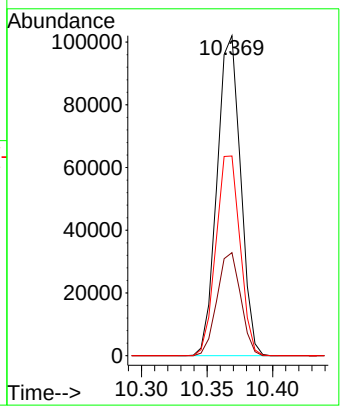


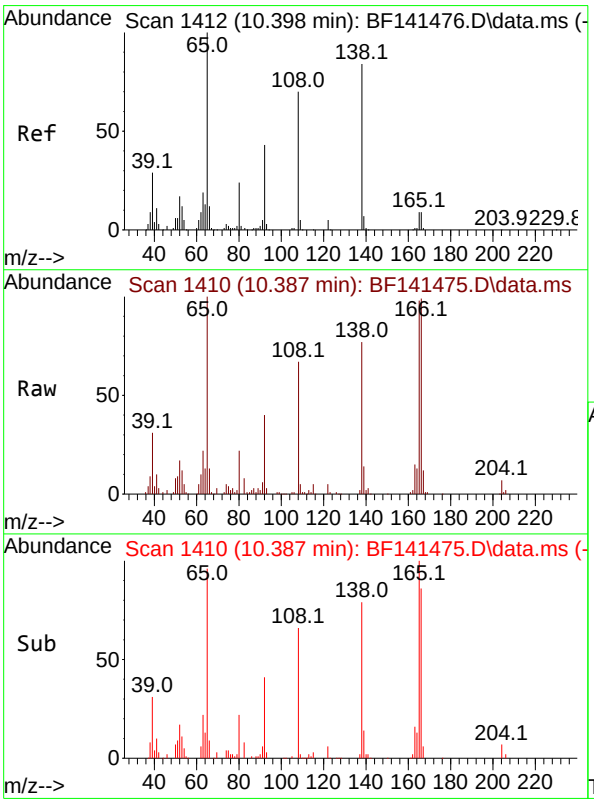
#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 127216

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.6	40.0
141	62.4	51.9	77.9

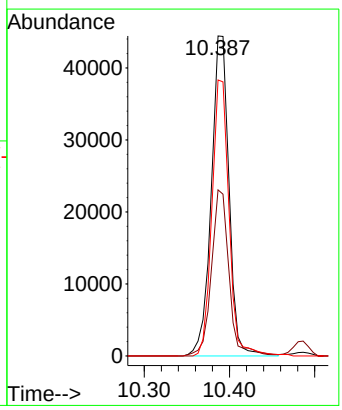


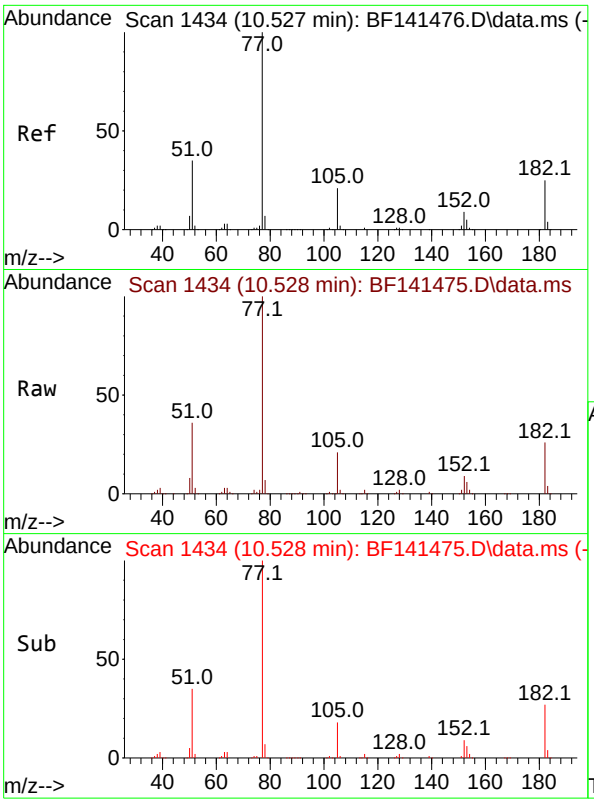


#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:138 Resp: 64262

Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.3	71.3
108	86.2	63.7	103.7



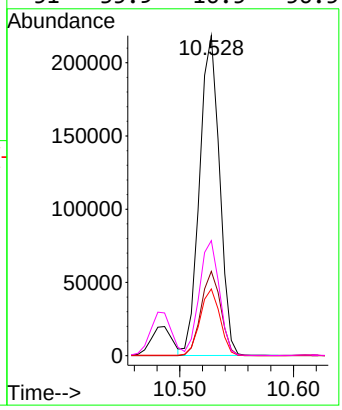


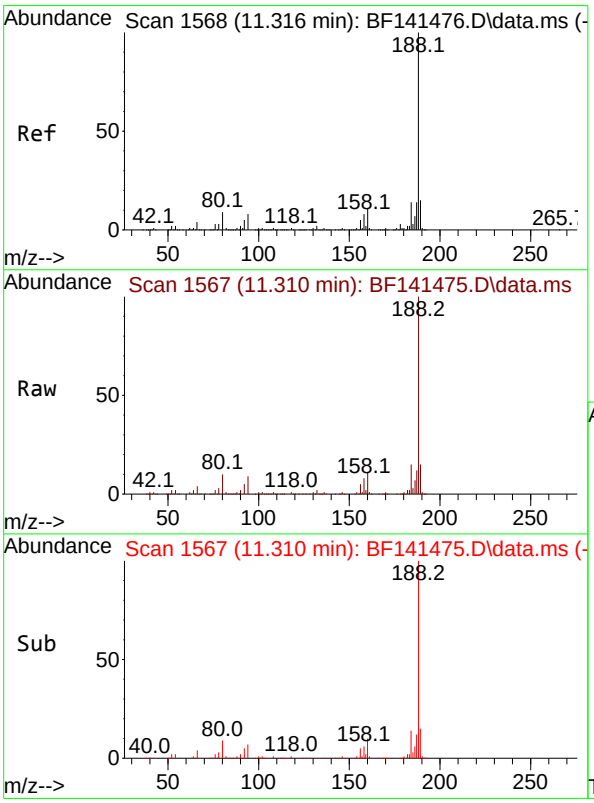
#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 267372

Ion	Ratio	Lower	Upper
77	100		
182	26.4	4.7	44.7
105	20.9	0.4	40.4
51	35.9	16.5	56.5

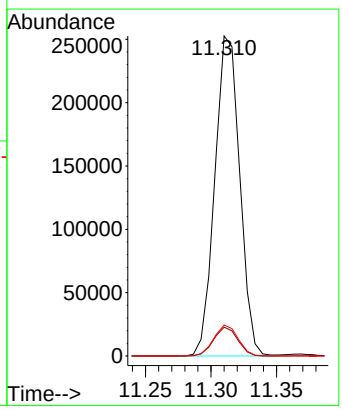


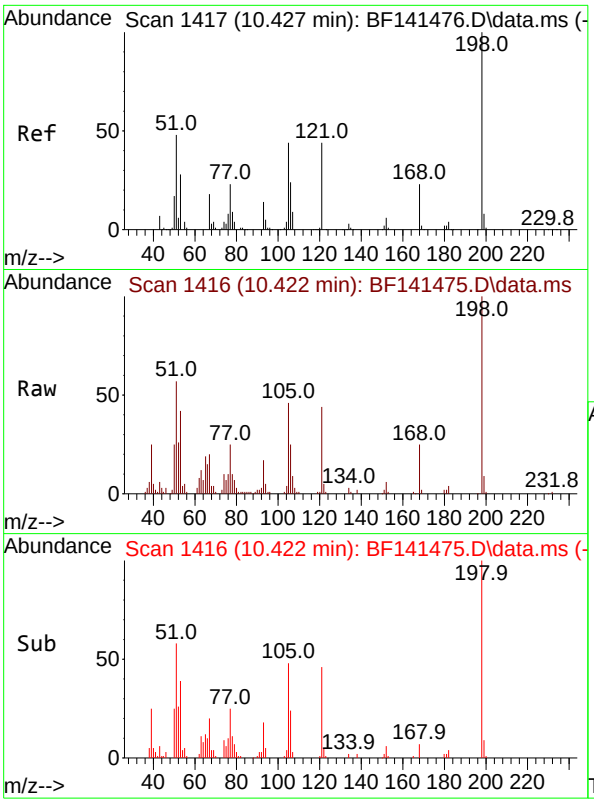


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:188 Resp: 333651

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.7	7.3	10.9



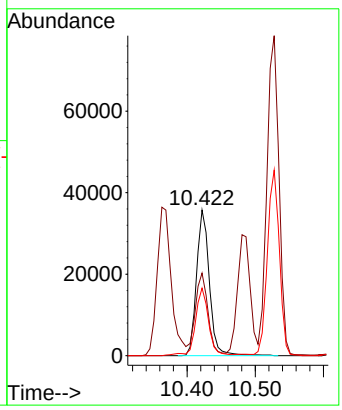


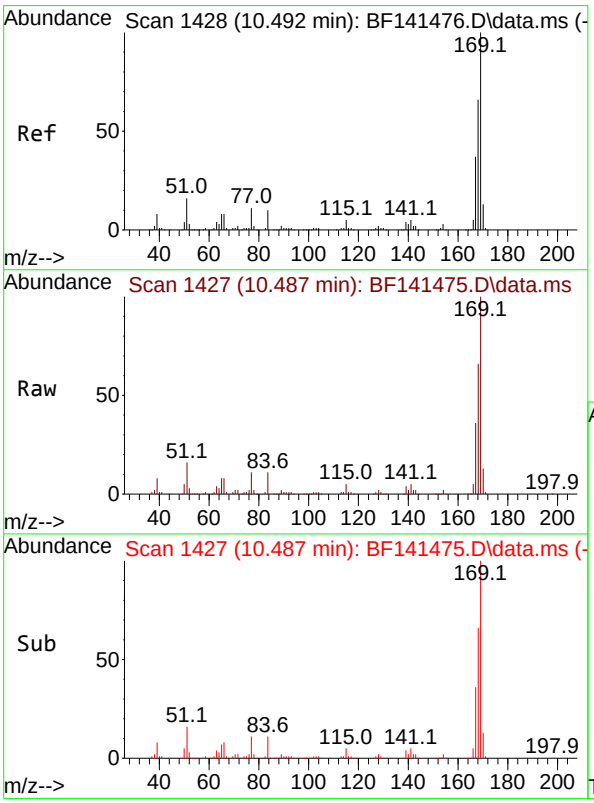
#65
4,6-Dinitro-2-methylphenol
Concen: 20.226 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 46877

Ion	Ratio	Lower	Upper
198	100		
51	56.7	37.4	77.4
105	46.4	25.2	65.2

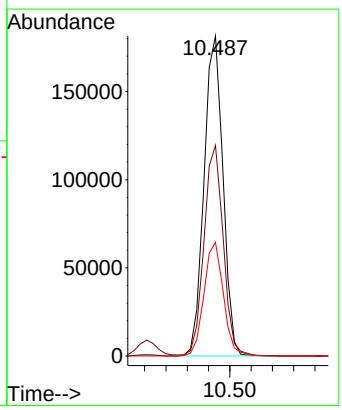


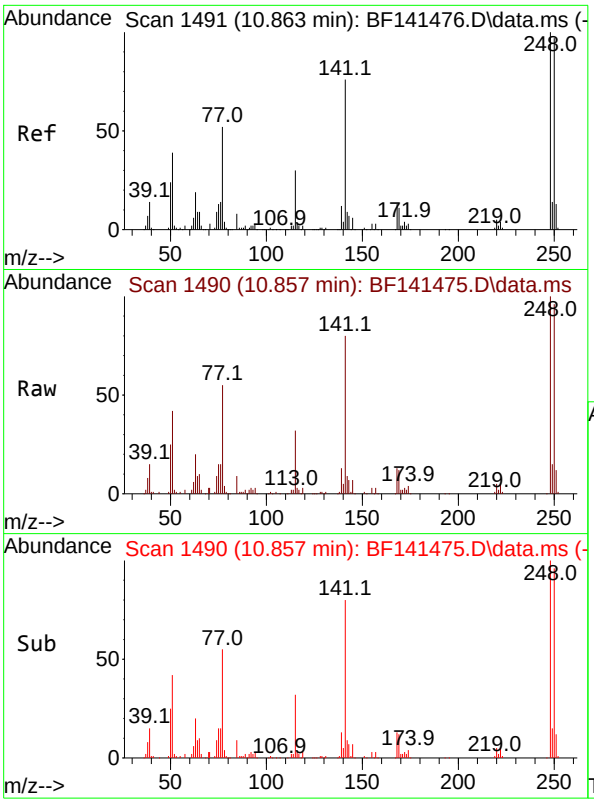


#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:169 Resp: 224776

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.3	79.9
167	35.6	29.4	44.2



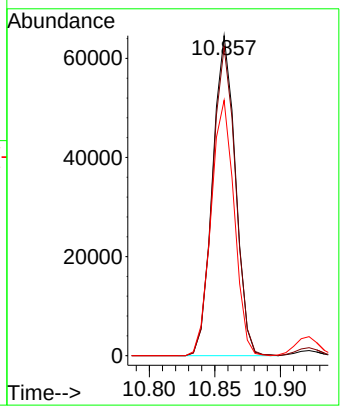


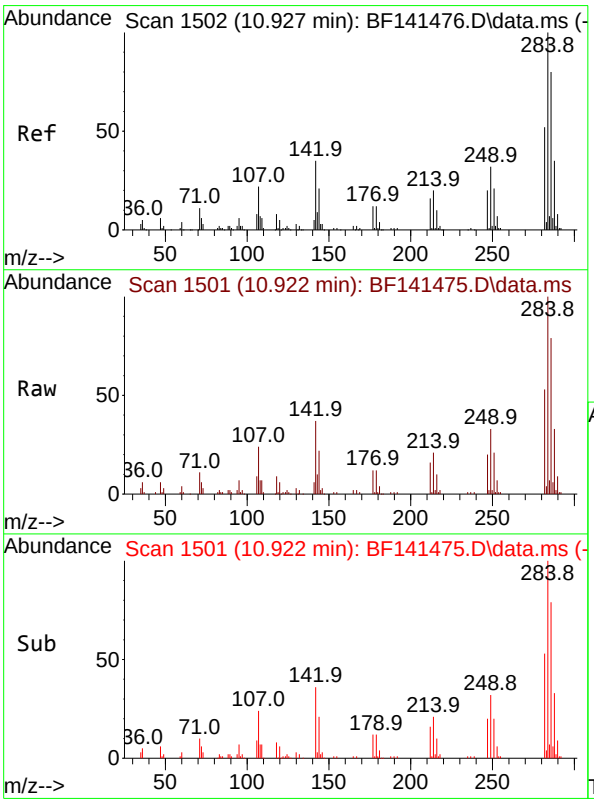
#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 78167

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.8	116.6
141	79.8	60.6	90.8

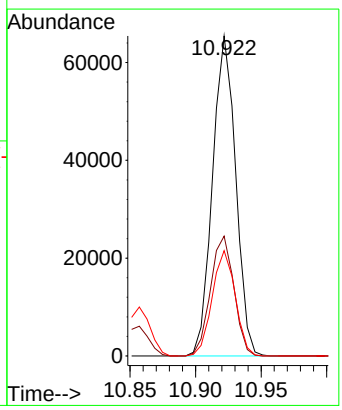


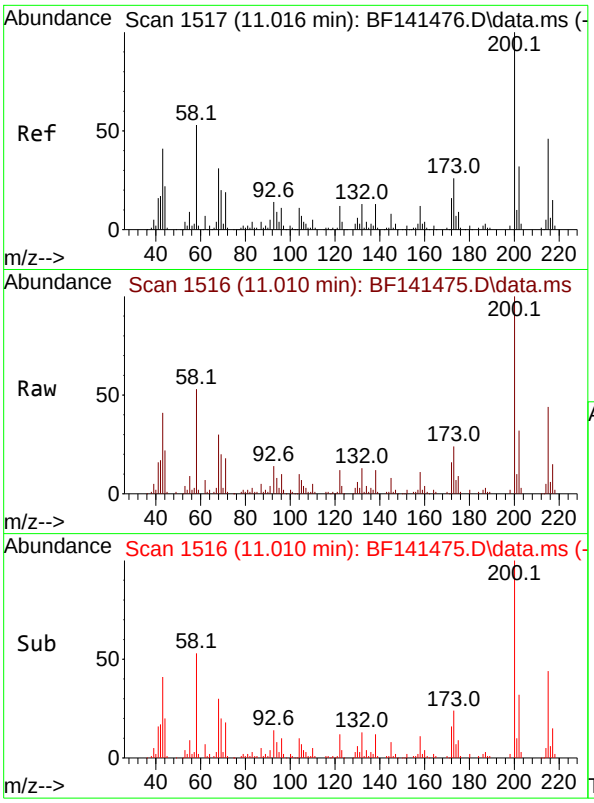


#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:284 Resp: 80301

Ion	Ratio	Lower	Upper
284	100		
142	37.5	28.0	42.0
249	32.9	25.8	38.8



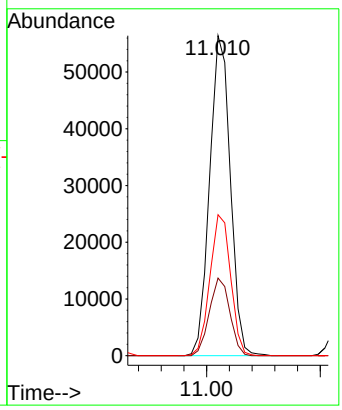


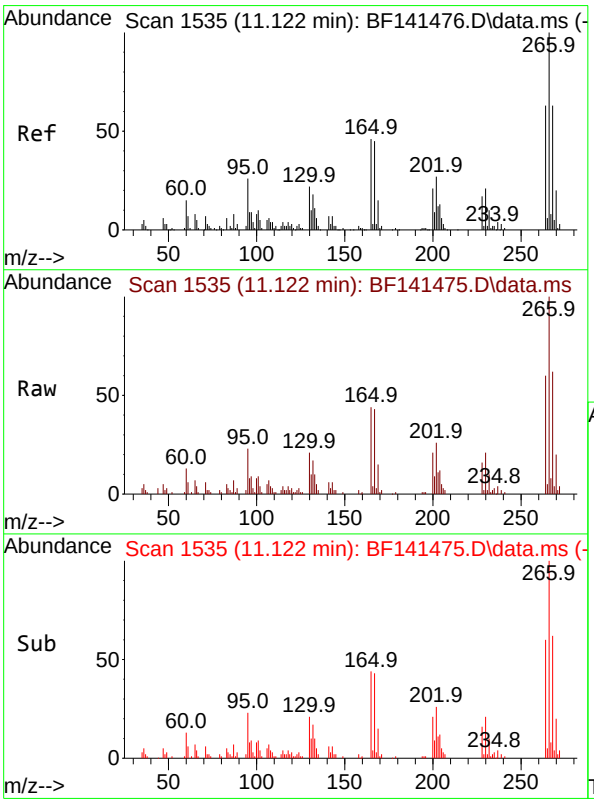
#69
Atrazine
Concen: 22.271 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 71359

Ion	Ratio	Lower	Upper
200	100		
173	24.3	5.9	45.9
215	44.1	25.9	65.9

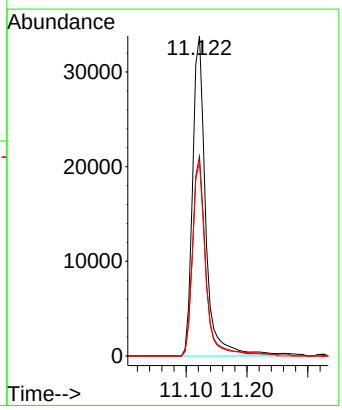


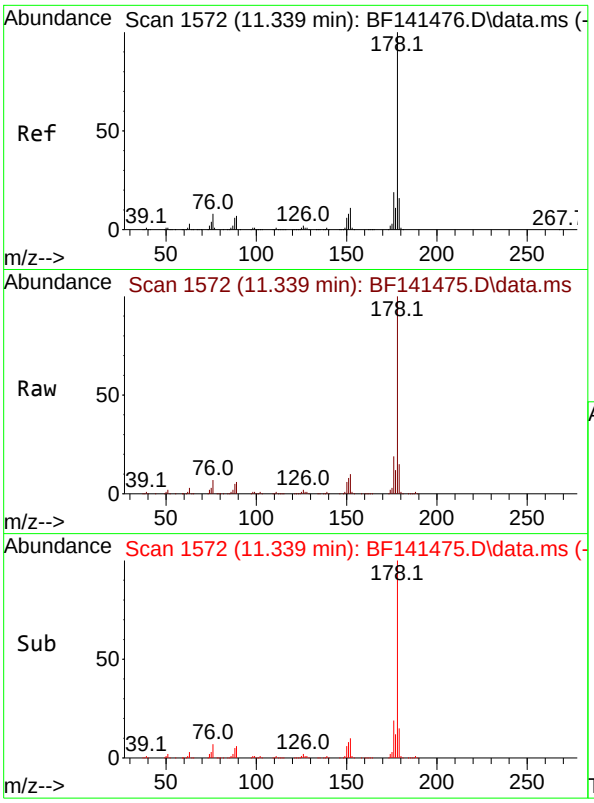


#70
Pentachlorophenol
Concen: 20.584 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:266 Resp: 50539

Ion	Ratio	Lower	Upper
266	100		
268	62.4	50.1	75.1
264	60.5	50.1	75.1



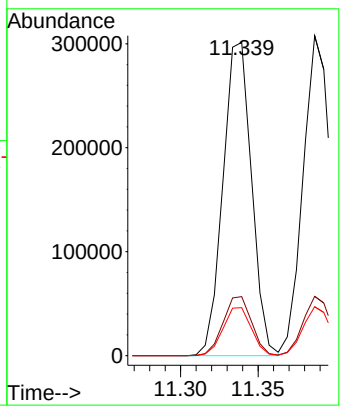


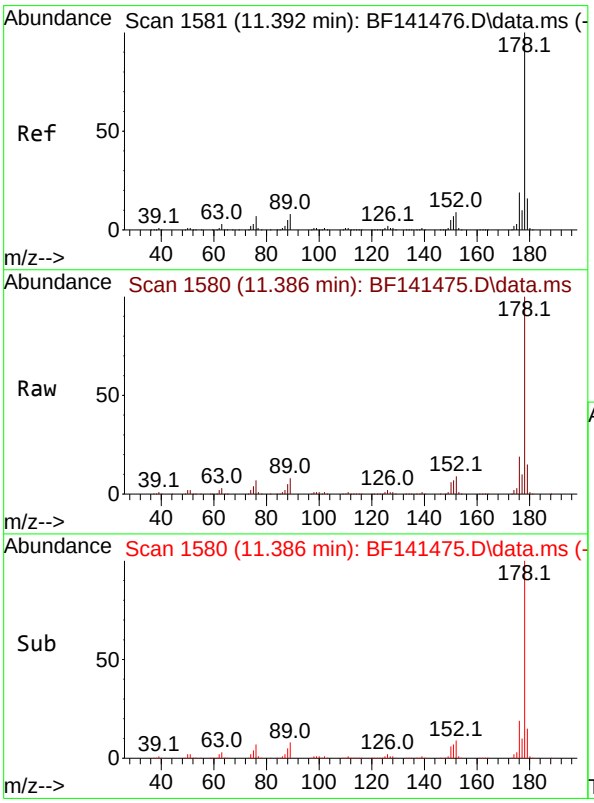
#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 387256

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.3	12.4	18.6

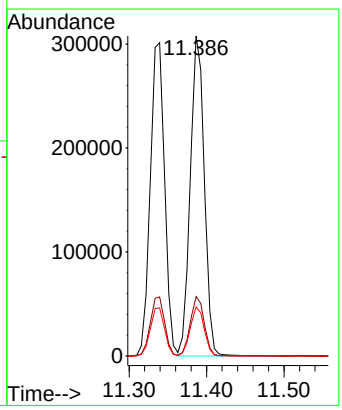


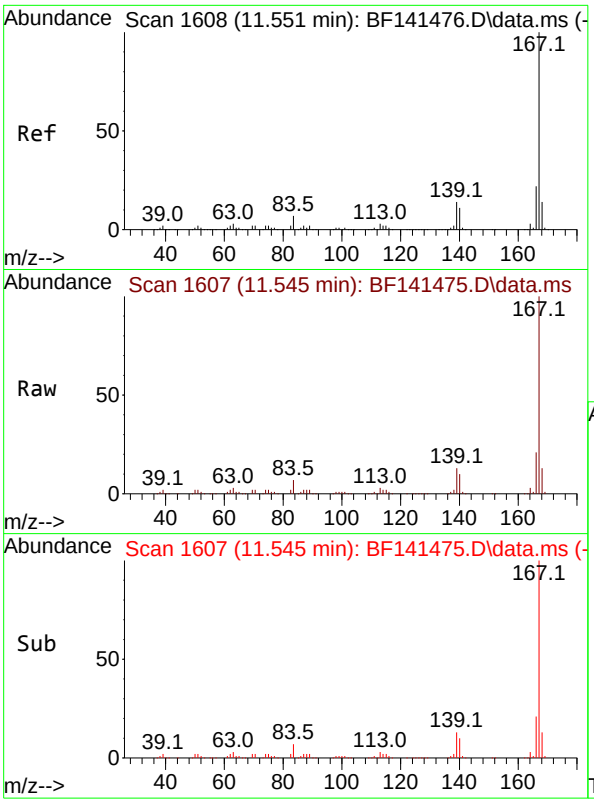


#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:178 Resp: 386414

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.4	18.6



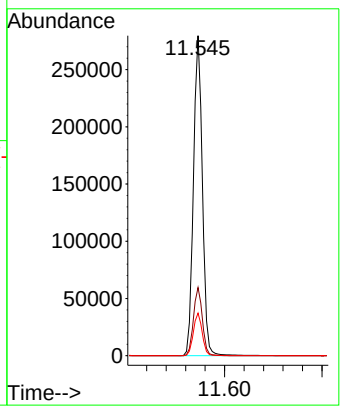


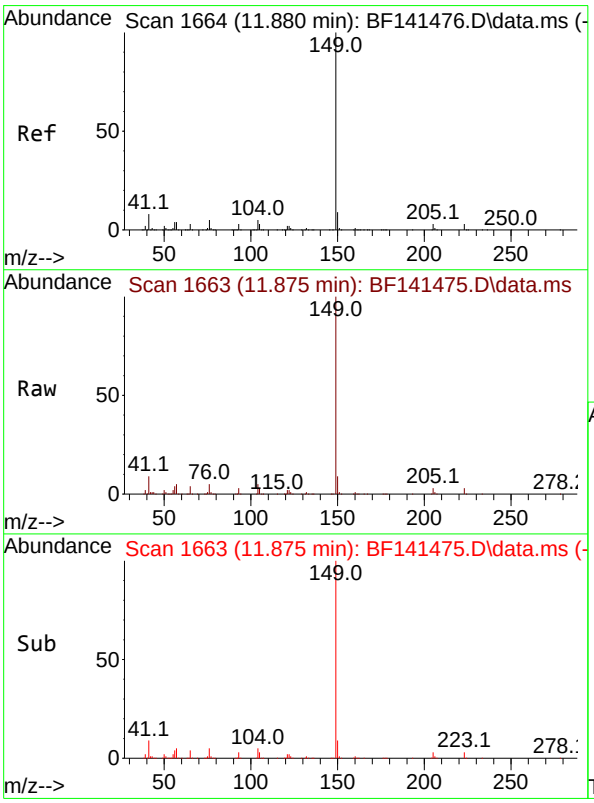
#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 358987

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.2
139	13.3	10.9	16.3

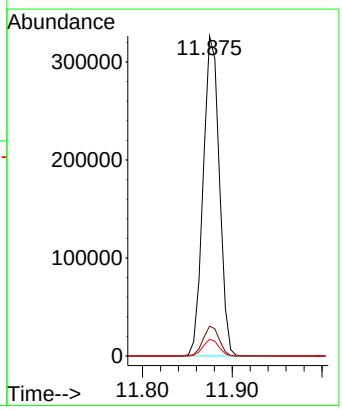


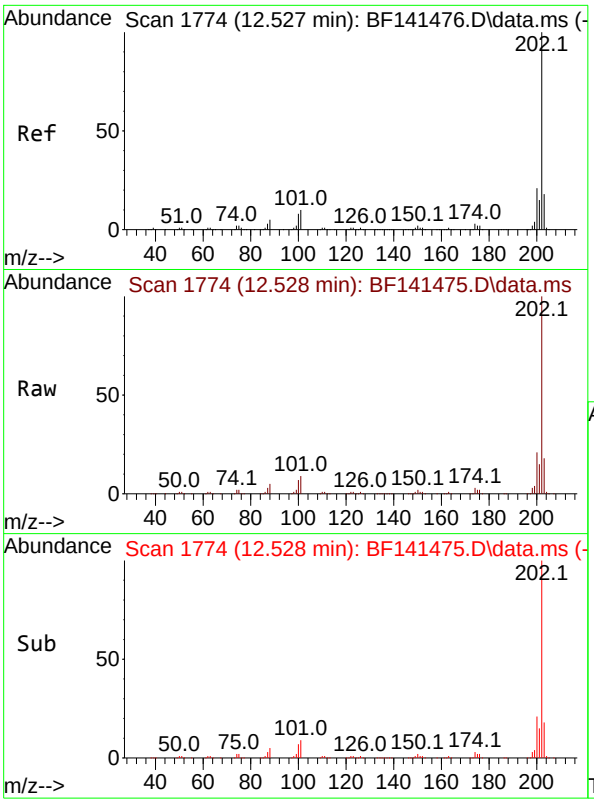


#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 408041

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2



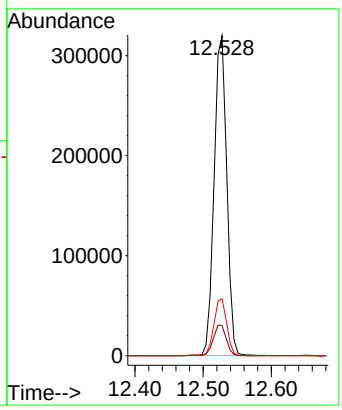


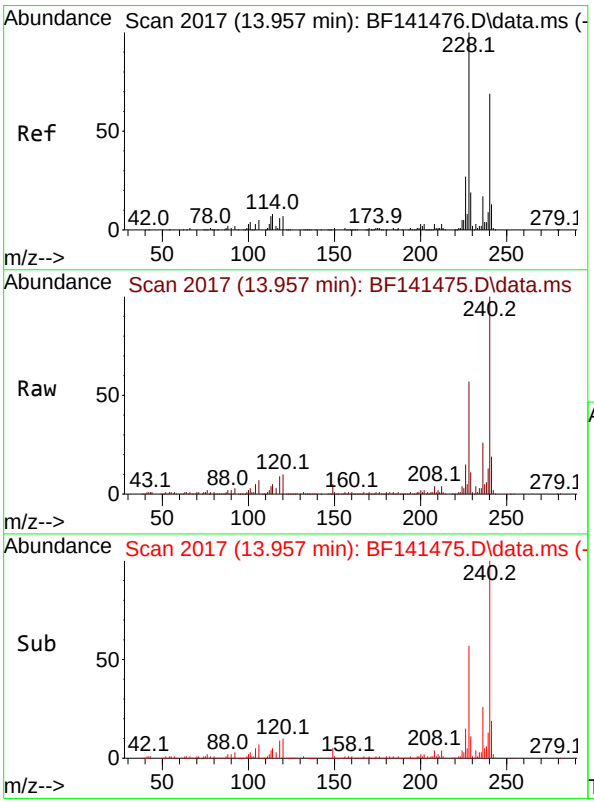
#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 414712

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.8	0.0	37.6

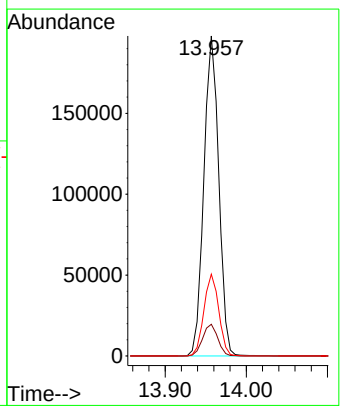


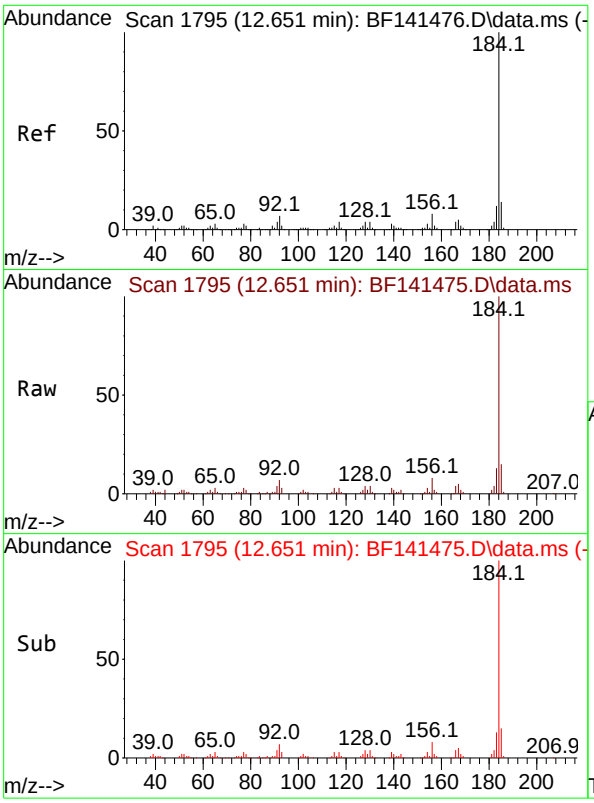


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:240 Resp: 251741

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.0	12.0
236	25.5	19.8	29.8



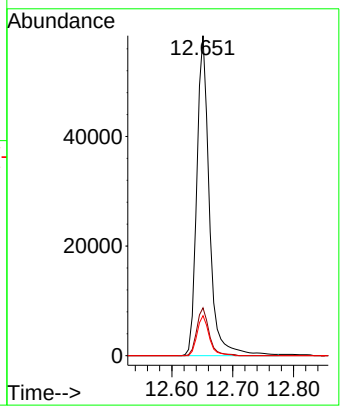


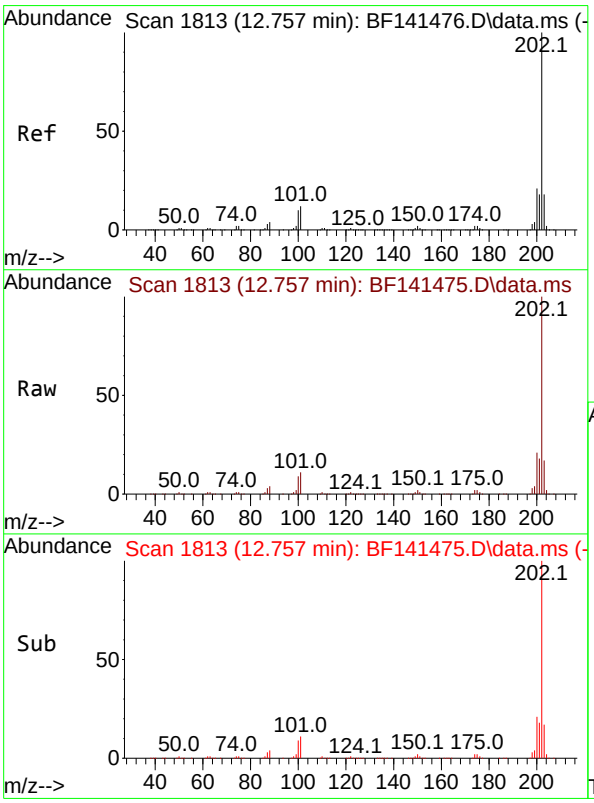
#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 84013

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	12.5	9.3	13.9

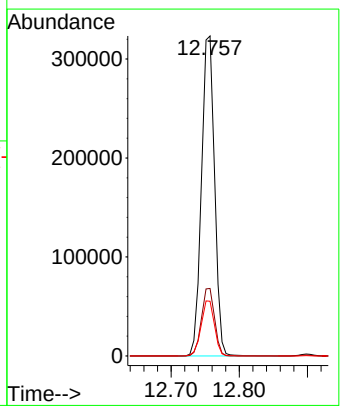


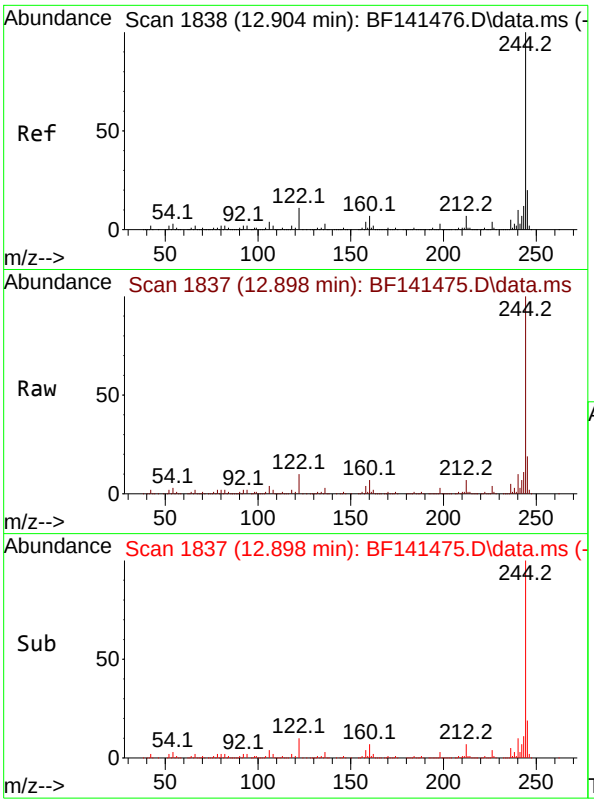


#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:202 Resp: 432216

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.1	14.3	21.5



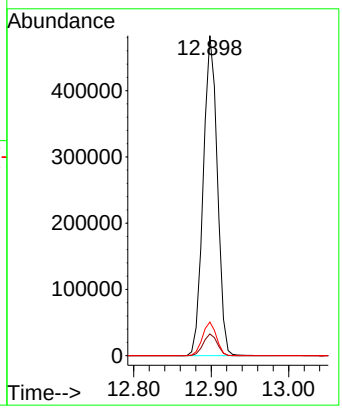


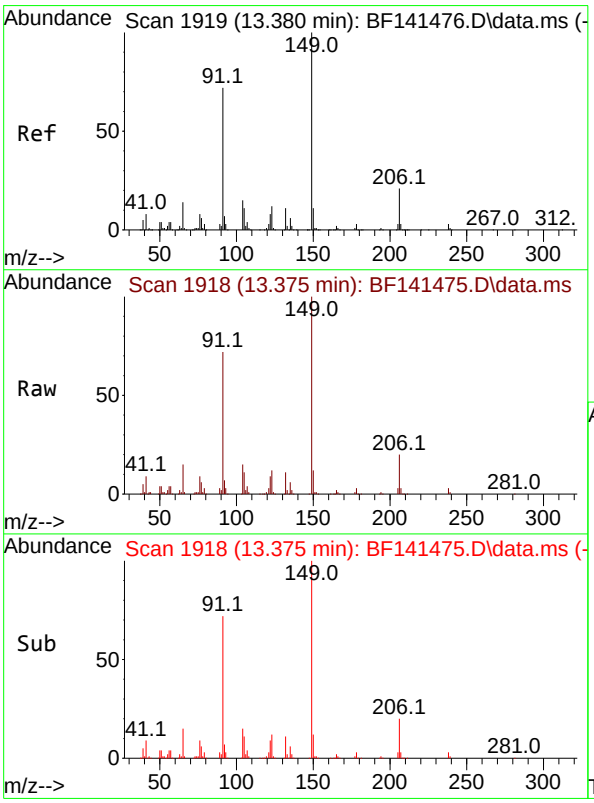
#79
Terphenyl-d14
Concen: 40.894 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 609819

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.4	12.6

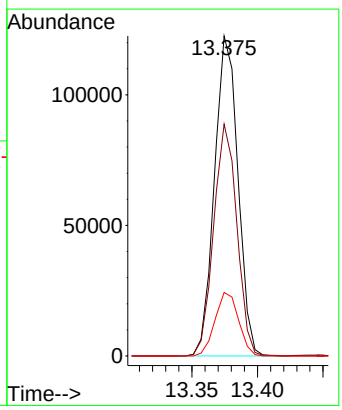


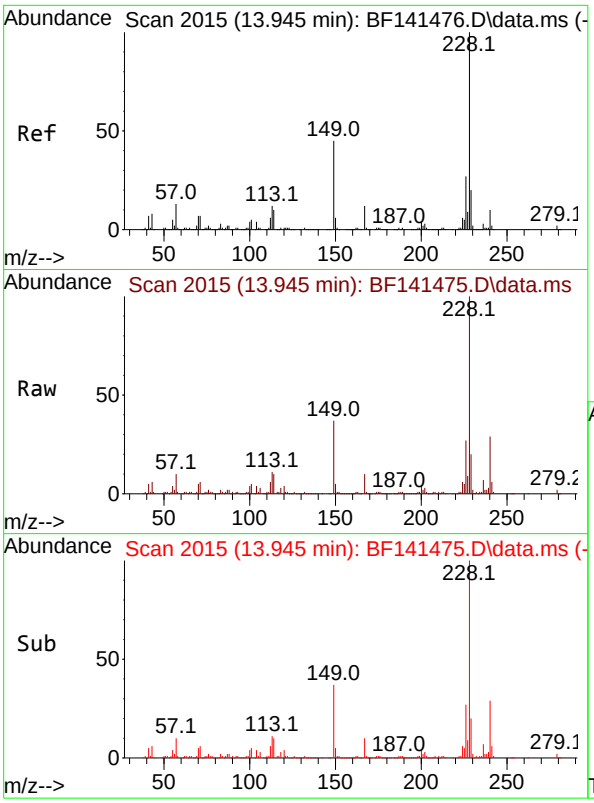


#80
Butylbenzylphthalate
Concen: 20.502 ng
RT: 13.375 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 152184

Ion	Ratio	Lower	Upper
149	100		
91	72.5	57.8	86.8
206	19.8	16.7	25.1



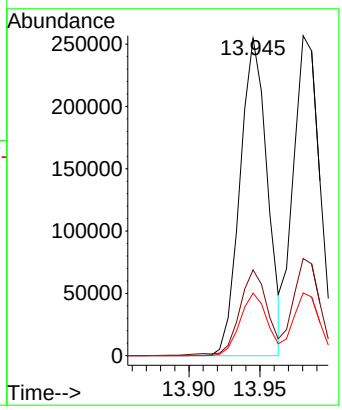


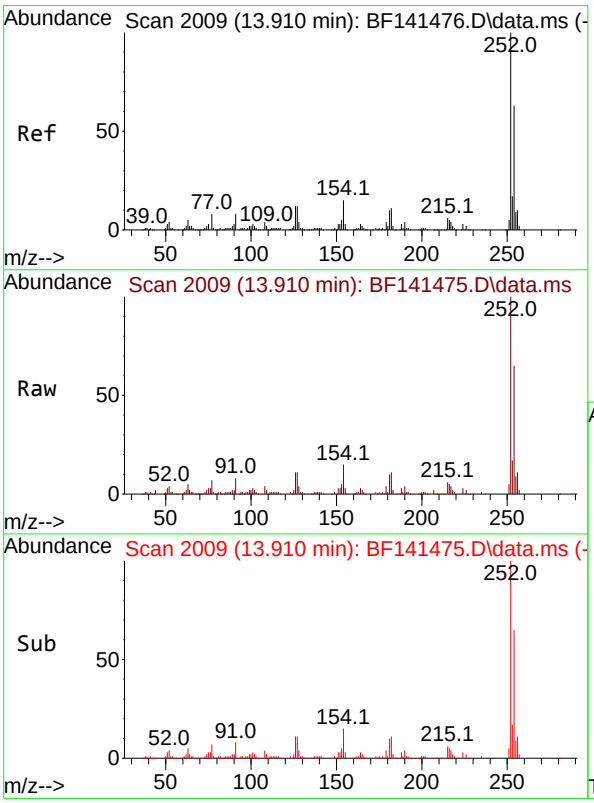
#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 339877

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.7	15.8	23.6

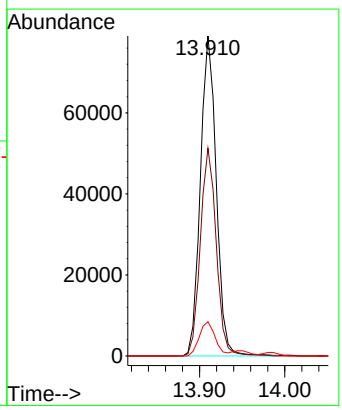


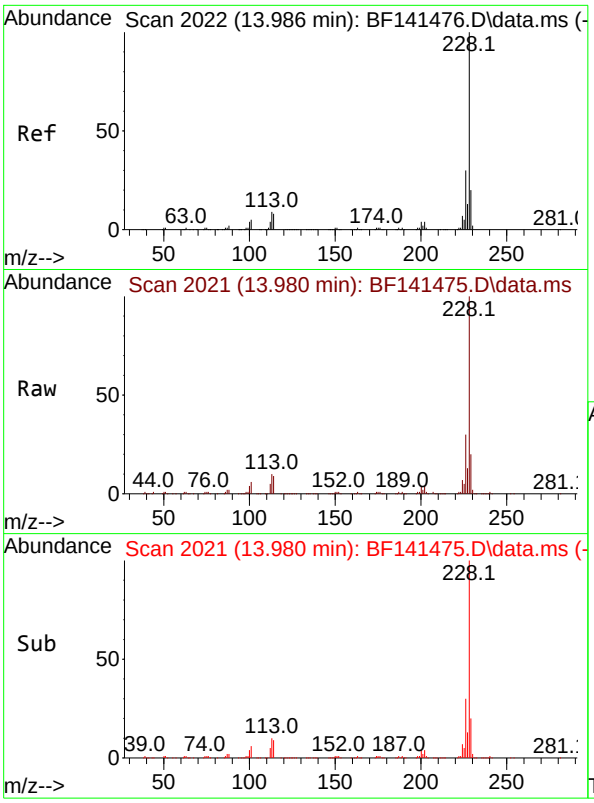


#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 102367

Ion	Ratio	Lower	Upper
252	100		
254	64.9	50.6	76.0
126	10.7	9.3	13.9



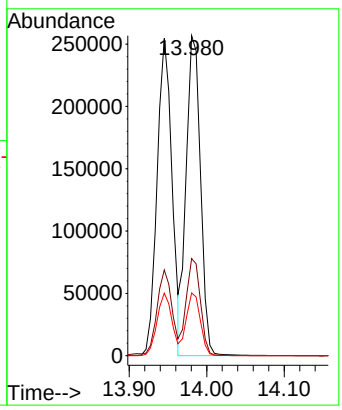


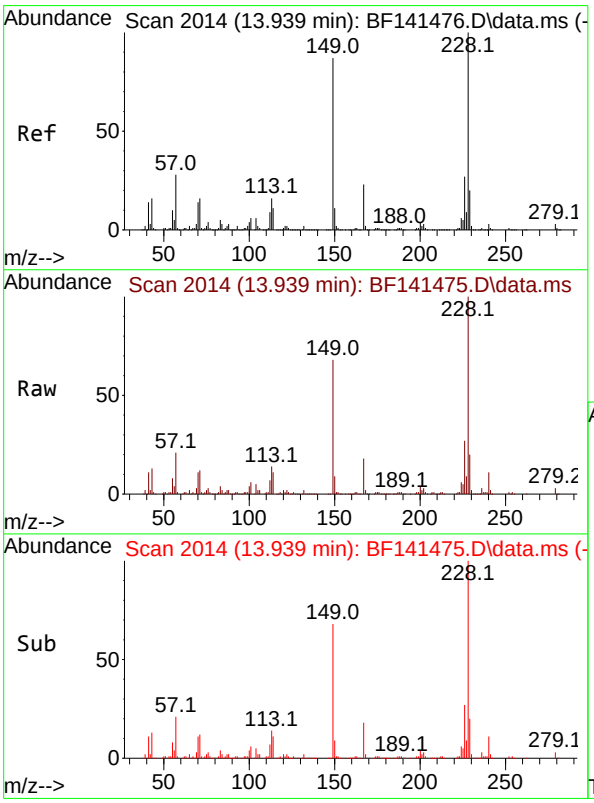
#83
Chrysene
Concen: 21.411 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 330823

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.6	15.7	23.5

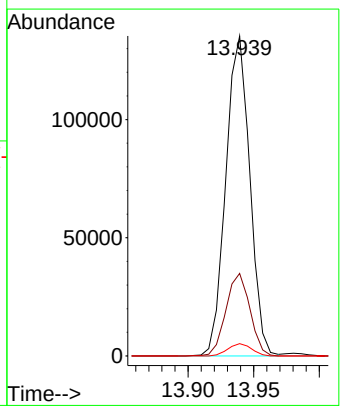


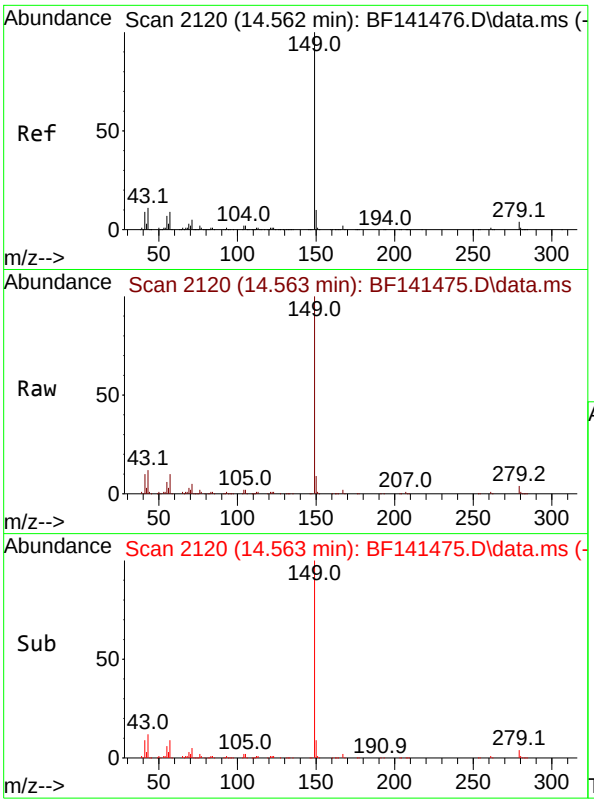


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.588 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 172352

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.4	32.0
279	3.9	3.1	4.7



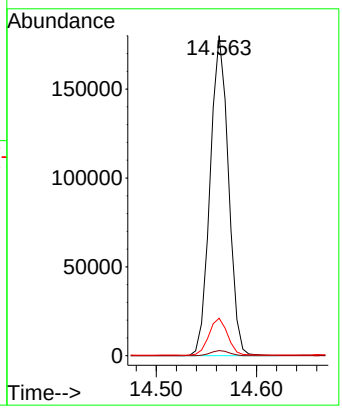


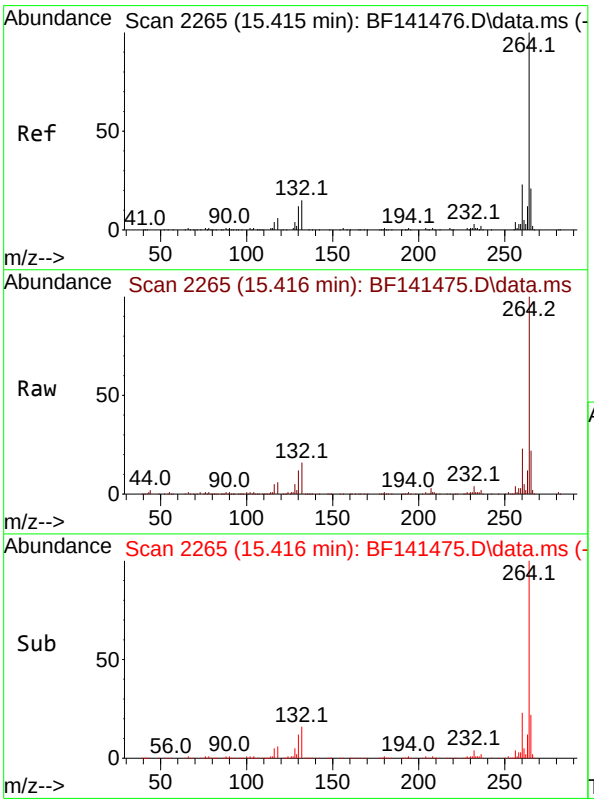
#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 229060

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3

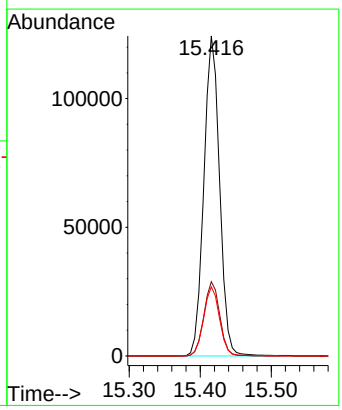


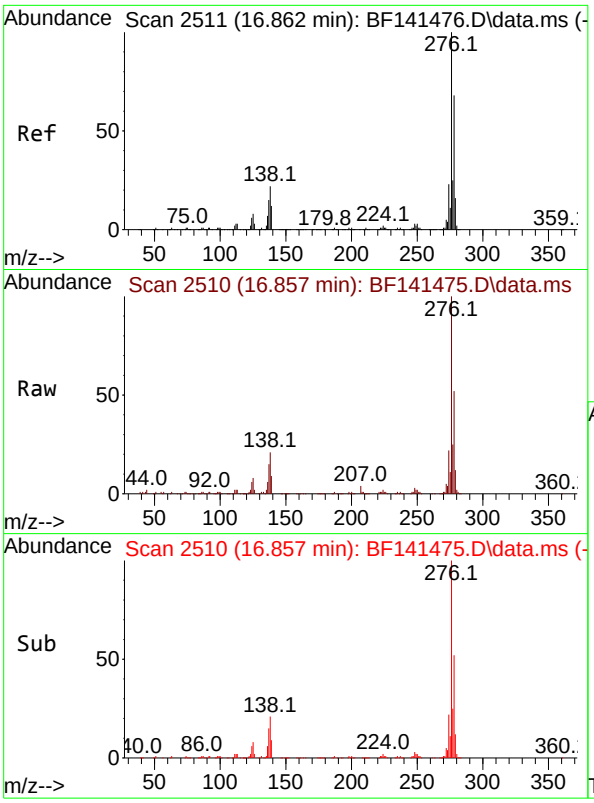


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:264 Resp: 191435

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.6	17.0	25.4



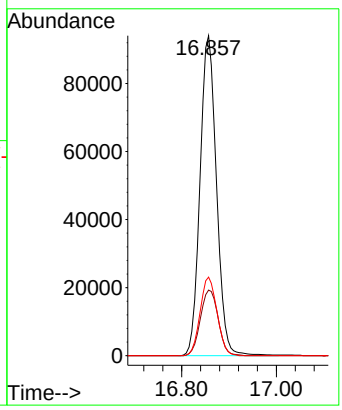


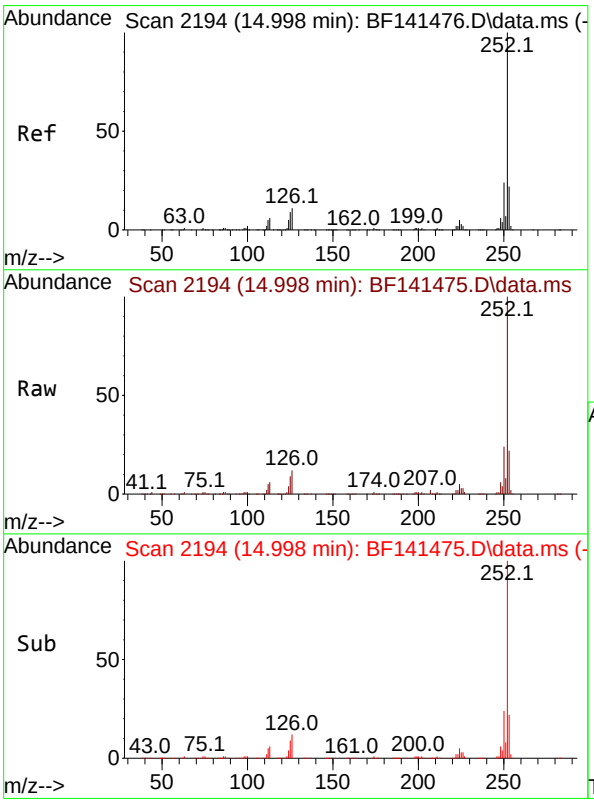
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.200 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 227105

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.0	27.0
277	25.1	20.4	30.6

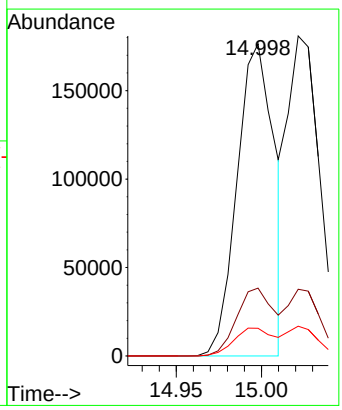


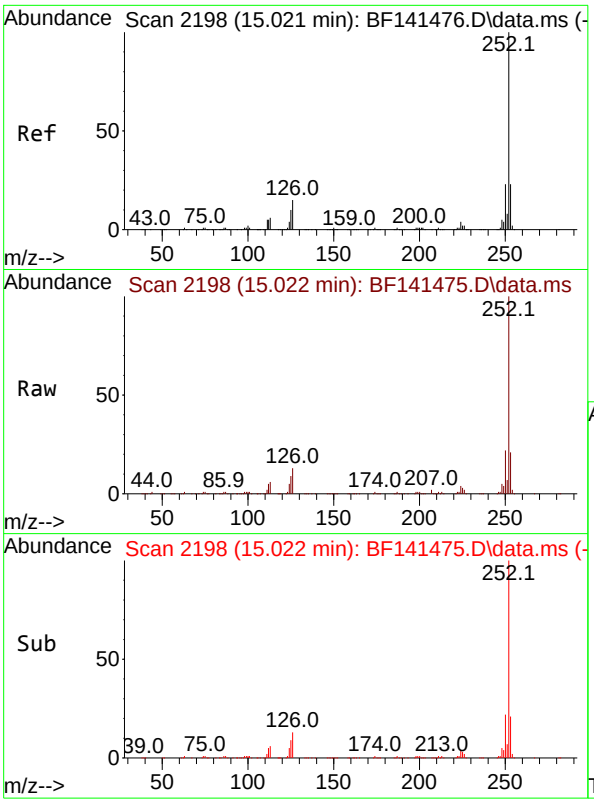


#88
Benzo(b)fluoranthene
Concen: 20.826 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 267695

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	8.9	7.0	10.6



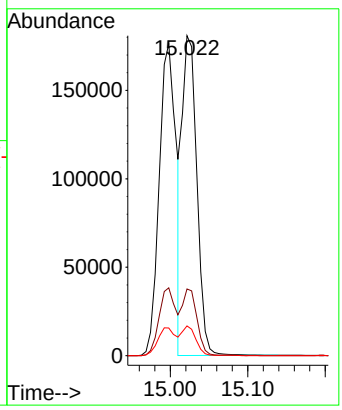


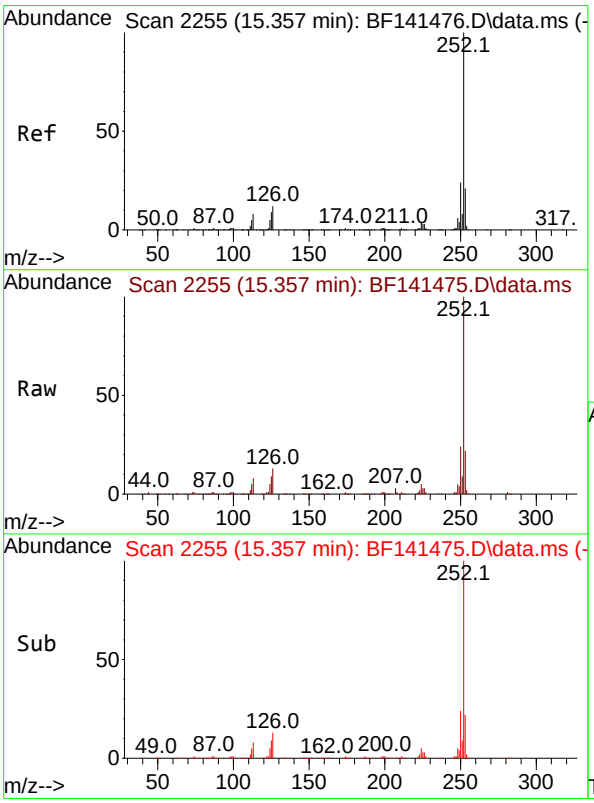
#89
Benzo(k)fluoranthene
Concen: 21.747 ng
RT: 15.022 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 238695

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.0	27.0
125	9.3	7.4	11.0

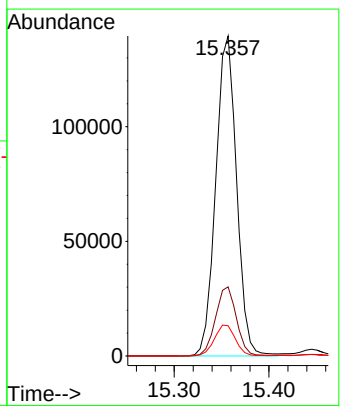


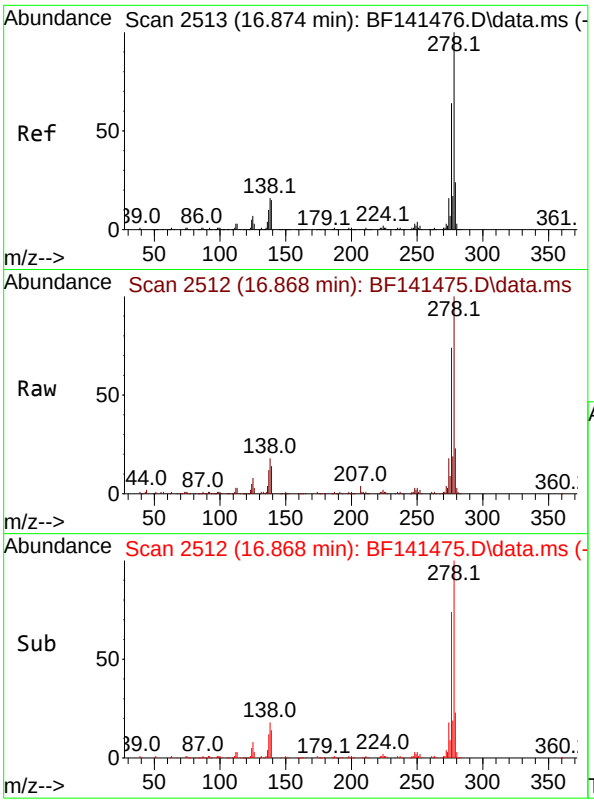


#90
Benzo(a)pyrene
Concen: 20.528 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 213510

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.5	7.4	11.2



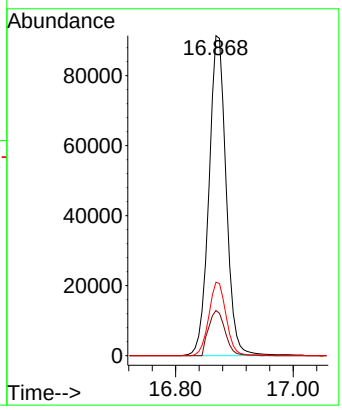


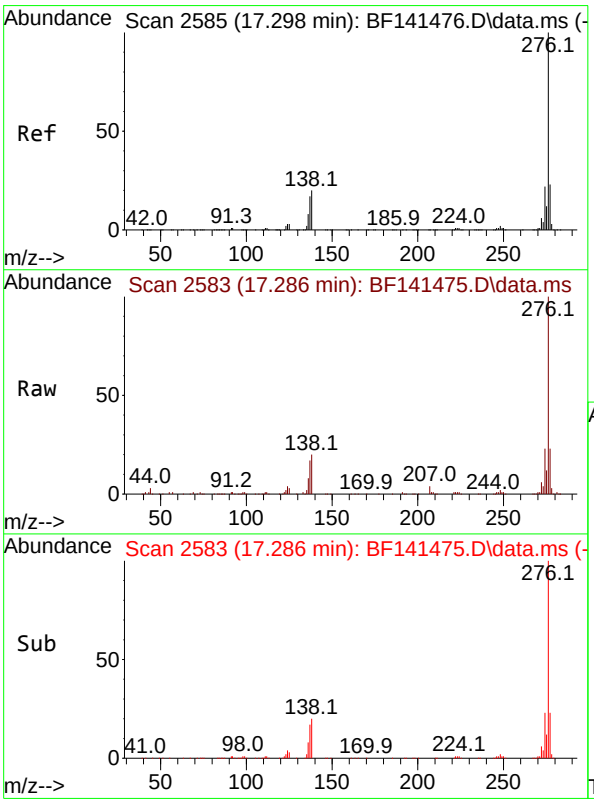
#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 185740

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.8	17.6
279	23.0	19.1	28.7

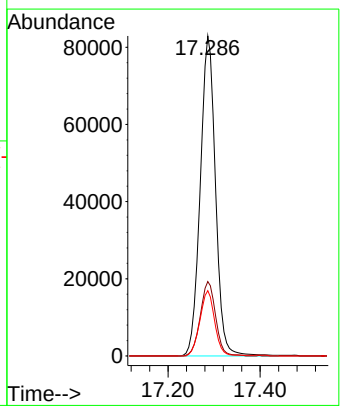




#92
Benzo(g,h,i)perylene
Concen: 19.103 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 191595

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	20.4	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89095	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	351555	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193385	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	336425	20.000	ng	0.00
76) Chrysene-d12	13.957	240	225462	20.000	ng	0.00
86) Perylene-d12	15.415	264	182907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	459422	80.841	ng	0.00
7) Phenol-d6	6.428	99	574808	80.025	ng	-0.01
23) Nitrobenzene-d5	7.357	82	540793	80.234	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	154725	79.647	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981440	78.189	ng	0.00
79) Terphenyl-d14	12.904	244	1080174	80.879	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	92090	40.262	ng	100
3) Pyridine	3.210	79	225032	41.344	ng	100
4) n-Nitrosodimethylamine	3.163	42	145802	40.456	ng	100
6) Aniline	6.451	93	274102	40.681	ng	100
8) 2-Chlorophenol	6.581	128	245676	40.008	ng	100
9) Benzaldehyde	6.339	77	146382	38.350	ng	100
10) Phenol	6.445	94	300315	40.171	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225665	40.188	ng	100
12) 1,3-Dichlorobenzene	6.728	146	256806	39.613	ng	100
13) 1,4-Dichlorobenzene	6.804	146	262121	39.574	ng	100
14) 1,2-Dichlorobenzene	6.963	146	244757	39.814	ng	100
15) Benzyl Alcohol	6.934	79	224961	40.841	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	385739	40.130	ng	100
17) 2-Methylphenol	7.051	107	191970	39.951	ng	100
18) Hexachloroethane	7.298	117	98581	40.215	ng	100
19) n-Nitroso-di-n-propyla...	7.204	70	172712	40.198	ng	100
20) 3+4-Methylphenols	7.204	107	244439	40.024	ng	100
22) Acetophenone	7.198	105	346731	39.649	ng	100
24) Nitrobenzene	7.375	77	263188	40.044	ng	100
25) Isophorone	7.610	82	429323	39.948	ng	100
26) 2-Nitrophenol	7.686	139	135355	41.394	ng	100
27) 2,4-Dimethylphenol	7.728	122	156665	41.012	ng	100
28) bis(2-Chloroethoxy)met...	7.822	93	276730	40.185	ng	100
29) 2,4-Dichlorophenol	7.939	162	208390	40.375	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	222679	39.619	ng	100
31) Naphthalene	8.092	128	729358	39.856	ng	100
32) Benzoic acid	7.857	122	161196	40.625	ng	100
33) 4-Chloroaniline	8.151	127	255749	40.029	ng	100
34) Hexachlorobutadiene	8.210	225	135140	40.051	ng	100
35) Caprolactam	8.516	113	65155	41.461	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	231344	40.464	ng	100
37) 2-Methylnaphthalene	8.786	142	470332	39.496	ng	100
38) 1-Methylnaphthalene	8.886	142	461189	39.987	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	225938	40.383	ng	100
41) Hexachlorocyclopentadiene	8.939	237	78762	42.325	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	145682	40.288	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

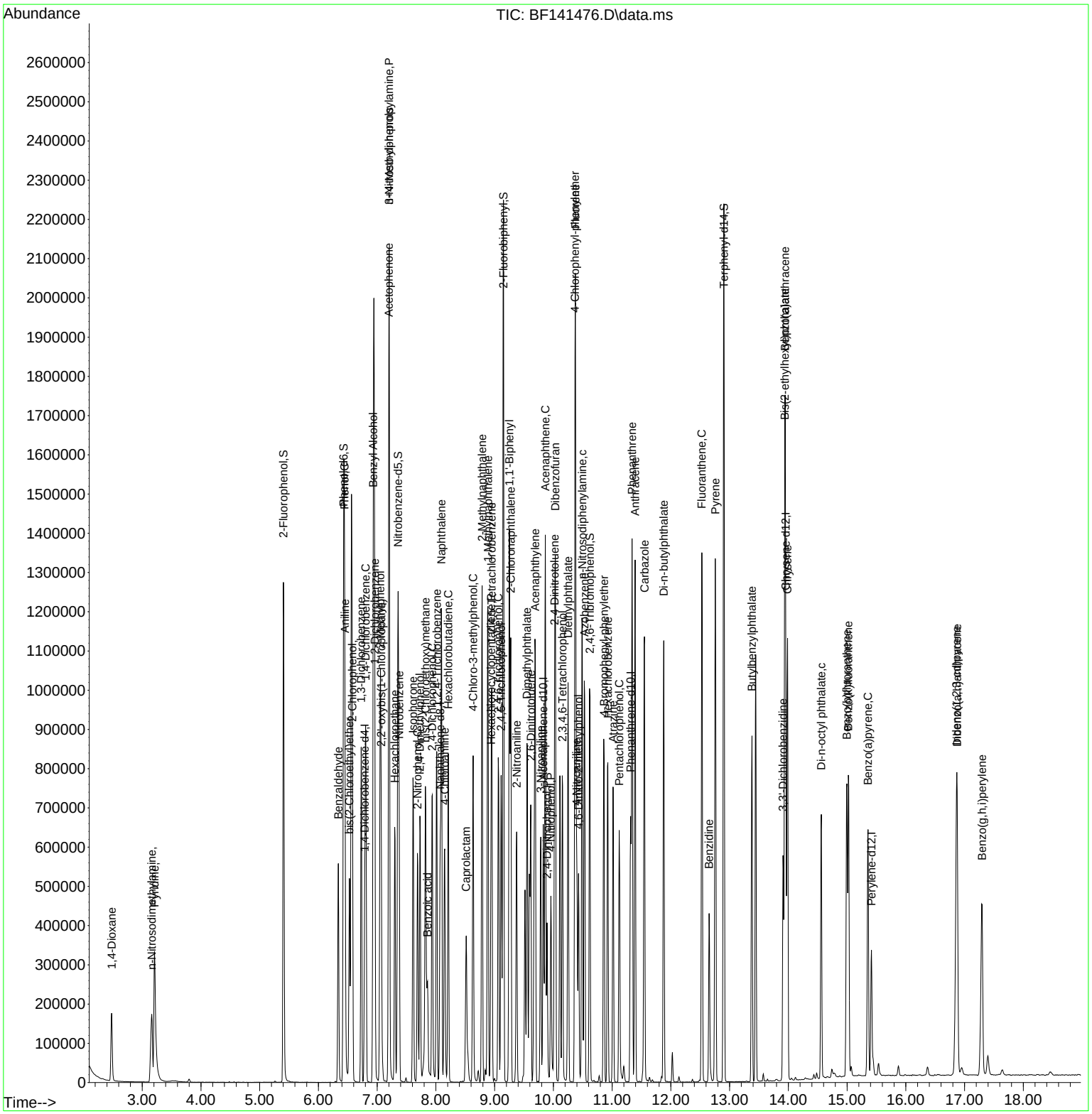
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158685	40.492	ng	100
46) 1,1'-Biphenyl	9.251	154	597404	39.846	ng	100
47) 2-Chloronaphthalene	9.275	162	438926	39.590	ng	100
48) 2-Nitroaniline	9.375	65	150922	40.563	ng	100
49) Acenaphthylene	9.692	152	656124	39.789	ng	100
50) Dimethylphthalate	9.551	163	520384	39.638	ng	100
51) 2,6-Dinitrotoluene	9.616	165	116338	40.536	ng	100
52) Acenaphthene	9.863	154	445515	40.186	ng	100
53) 3-Nitroaniline	9.786	138	123530	39.991	ng	100
54) 2,4-Dinitrophenol	9.892	184	68489	40.153	ng	100
55) Dibenzofuran	10.033	168	647242	39.775	ng	100
56) 4-Nitrophenol	9.957	139	96456	42.065	ng	100
57) 2,4-Dinitrotoluene	10.022	165	153824	40.262	ng	100
58) Fluorene	10.375	166	498929	39.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	134581	39.888	ng	100
60) Diethylphthalate	10.251	149	514358	39.821	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	240707	39.767	ng	100
62) 4-Nitroaniline	10.398	138	129392	41.253	ng	100
63) Azobenzene	10.527	77	512692	39.926	ng	100
65) 4,6-Dinitro-2-methylph...	10.427	198	95521	40.874	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421937	39.180	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	148603	39.522	ng	100
68) Hexachlorobenzene	10.927	284	152664	39.430	ng	100
69) Atrazine	11.016	200	124494	38.533	ng	100
70) Pentachlorophenol	11.122	266	103806	41.930	ng	100
71) Phenanthrene	11.339	178	729585	39.397	ng	100
72) Anthracene	11.392	178	728337	39.125	ng	100
73) Carbazole	11.551	167	663523	39.613	ng	100
74) Di-n-butylphthalate	11.880	149	767961	39.706	ng	100
75) Fluoranthene	12.527	202	774369	39.441	ng	100
77) Benzidine	12.651	184	238261	47.917	ng	100
78) Pyrene	12.757	202	786956	41.002	ng	100
80) Butylbenzylphthalate	13.380	149	274711	41.323	ng	100
81) Benzo(a)anthracene	13.945	228	606669	40.479	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	170181	39.640	ng	100
83) Chrysene	13.986	228	541376	39.121	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	310696	41.438	ng	100
85) Di-n-octyl phthalate	14.562	149	435142	40.682	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	471272	41.699	ng	100
88) Benzo(b)fluoranthene	14.998	252	488585	39.783	ng	100
89) Benzo(k)fluoranthene	15.021	252	417770	39.836	ng	100
90) Benzo(a)pyrene	15.357	252	395193	39.767	ng	100
91) Dibenzo(a,h)anthracene	16.874	278	384623	42.001	ng	100
92) Benzo(g,h,i)perylene	17.298	276	402413	41.992	ng	100

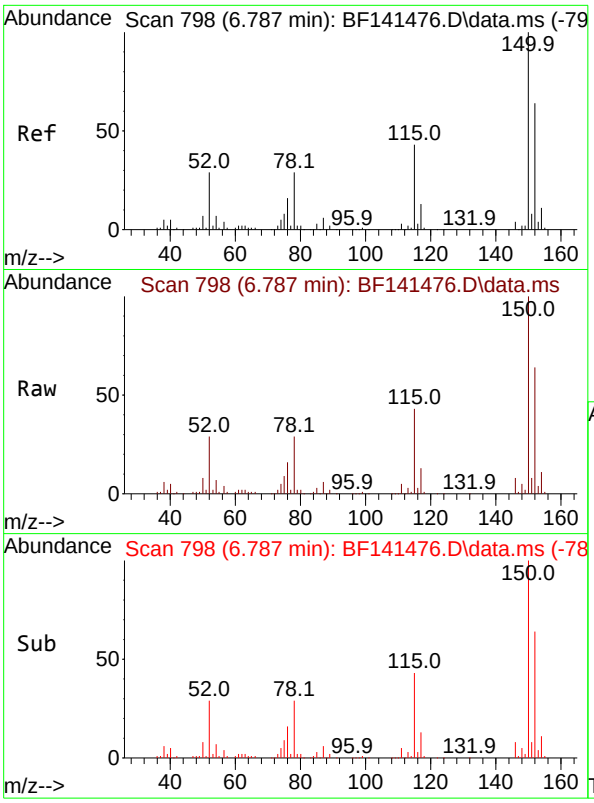
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



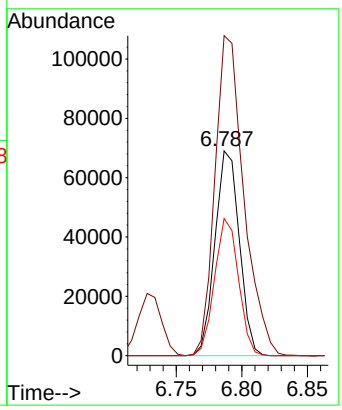


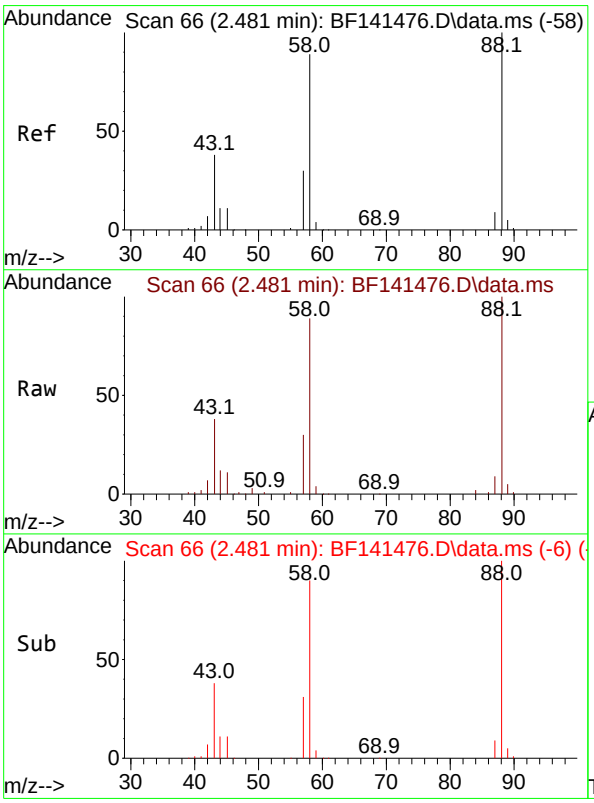
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 89095

Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.0	187.4
115	67.0	53.6	80.4

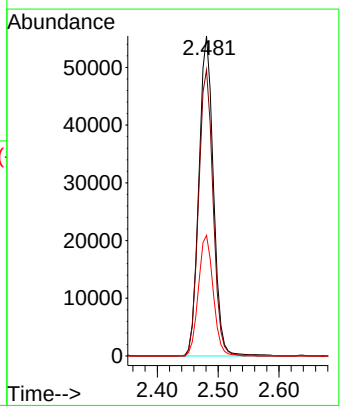


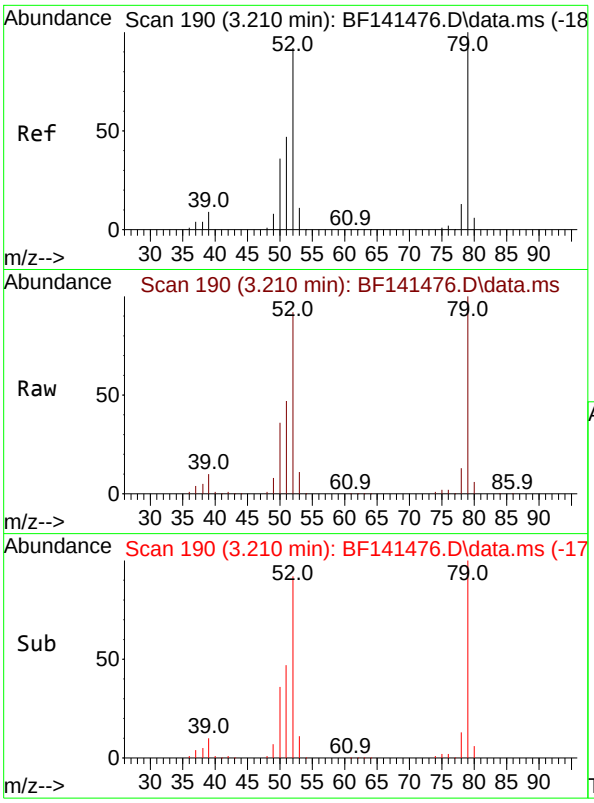


#2
1,4-Dioxane
Concen: 40.262 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 88 Resp: 92090

Ion	Ratio	Lower	Upper
88	100		
58	88.9	71.1	106.7
43	38.3	30.6	46.0



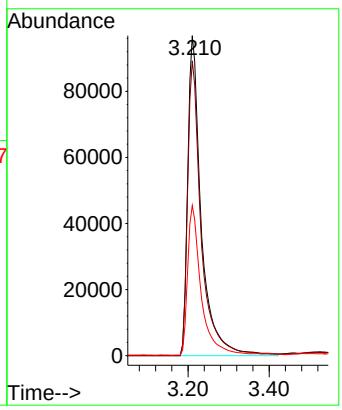


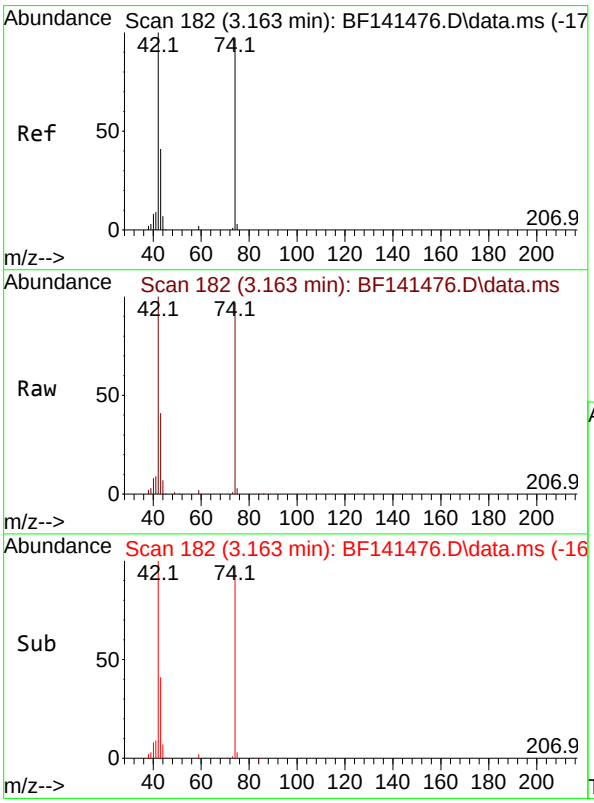
#3
Pyridine
Concen: 41.344 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 225032

Ion	Ratio	Lower	Upper
79	100		
52	92.1	73.7	110.5
51	46.9	37.5	56.3

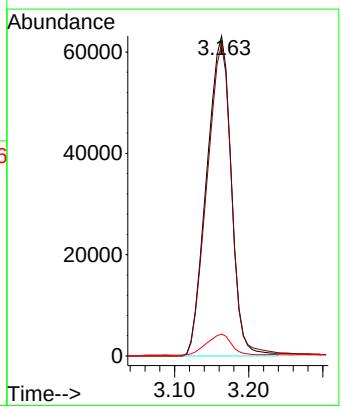


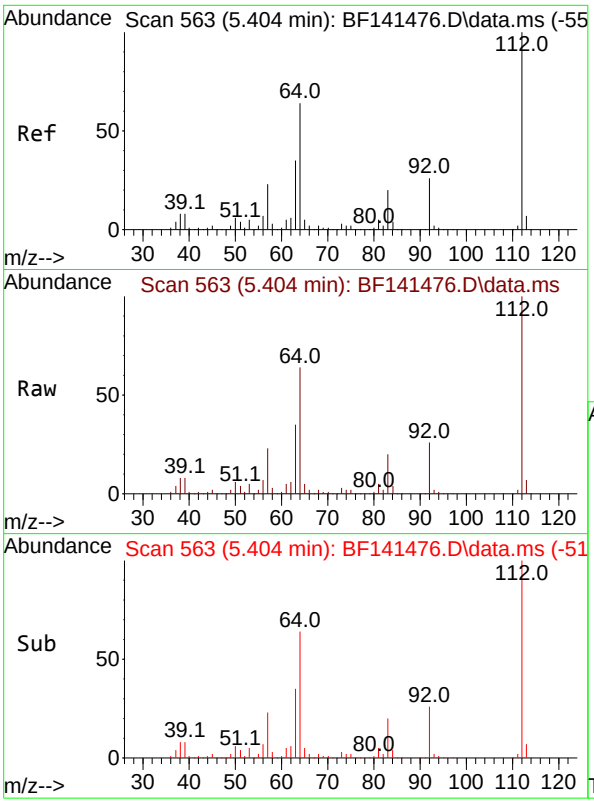


#4
n-Nitrosodimethylamine
Concen: 40.456 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.023 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 42 Resp: 145802

Ion	Ratio	Lower	Upper
42	100		
74	97.5	78.0	117.0
44	6.8	5.4	8.2



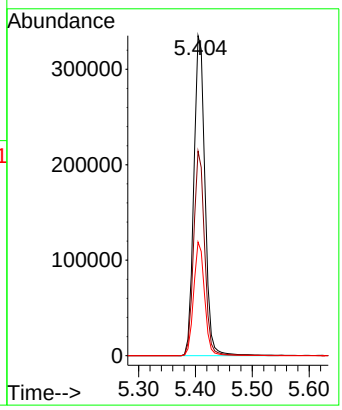


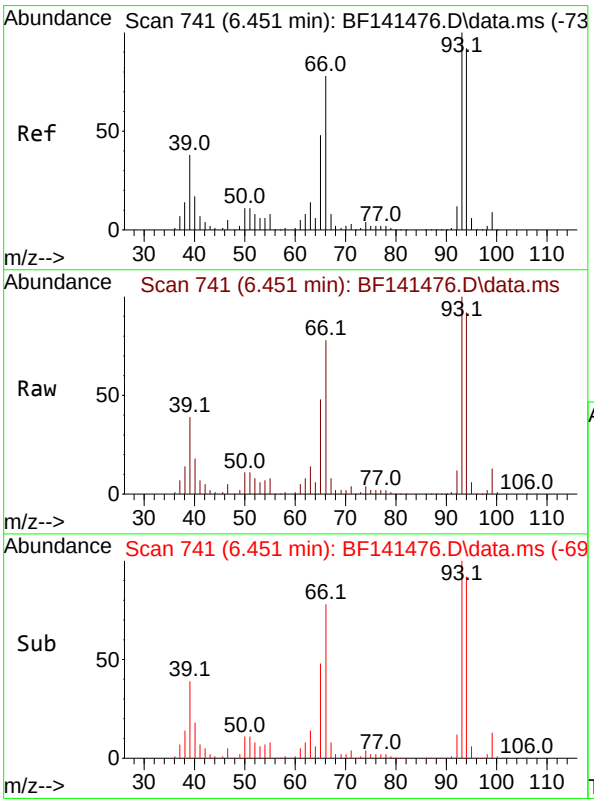
#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 459422

Ion	Ratio	Lower	Upper
112	100		
64	63.9	51.1	76.7
63	35.5	28.4	42.6

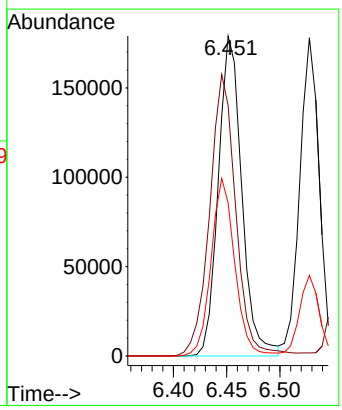


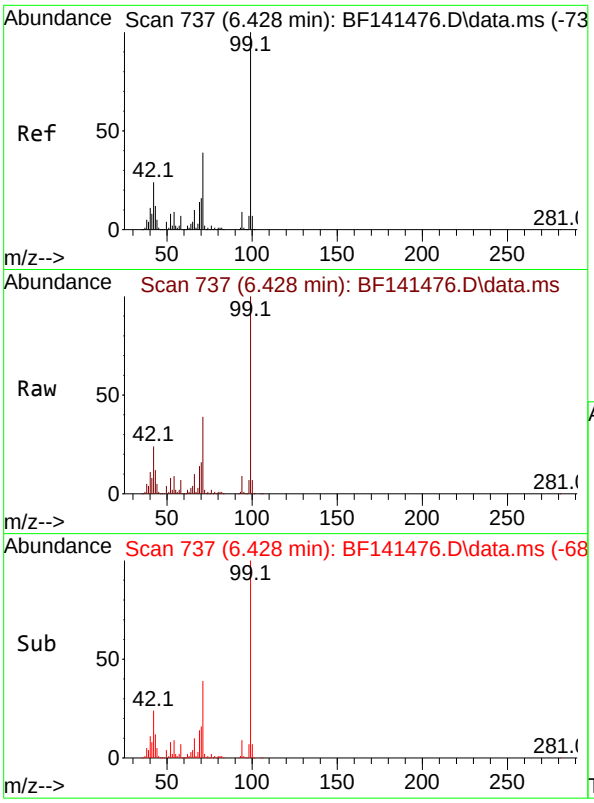


#6
Aniline
Concen: 40.681 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 274102

Ion	Ratio	Lower	Upper
93	100		
66	78.3	62.6	94.0
65	47.9	38.3	57.5



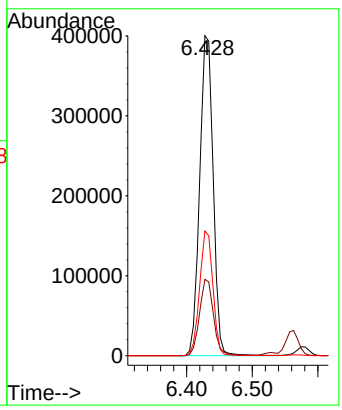


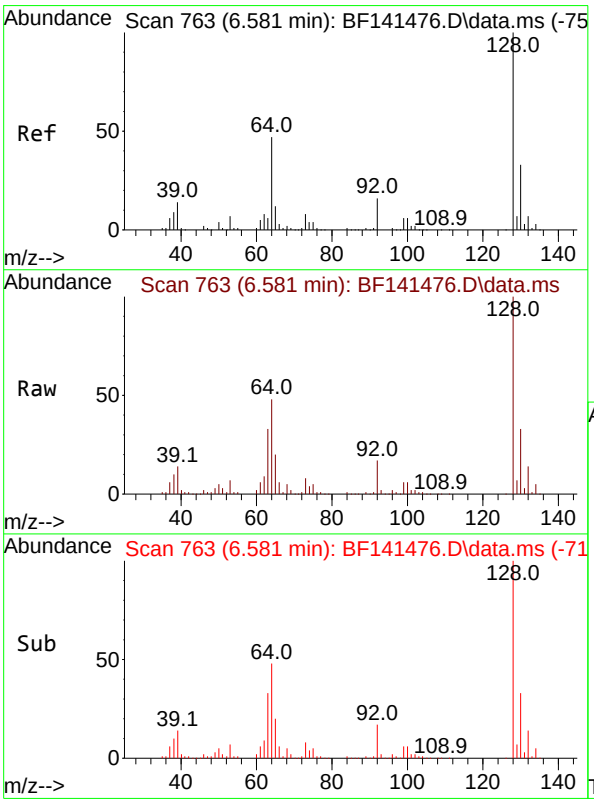
#7
Phenol-d6
Concen: 80.025 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 574808

Ion	Ratio	Lower	Upper
99	100		
42	23.9	19.1	28.7
71	38.9	31.1	46.7

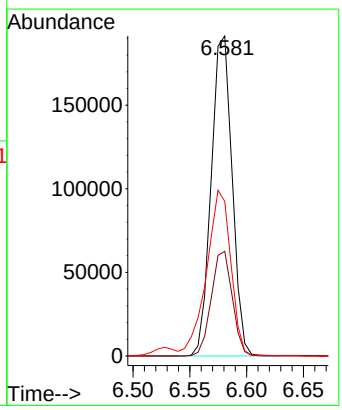


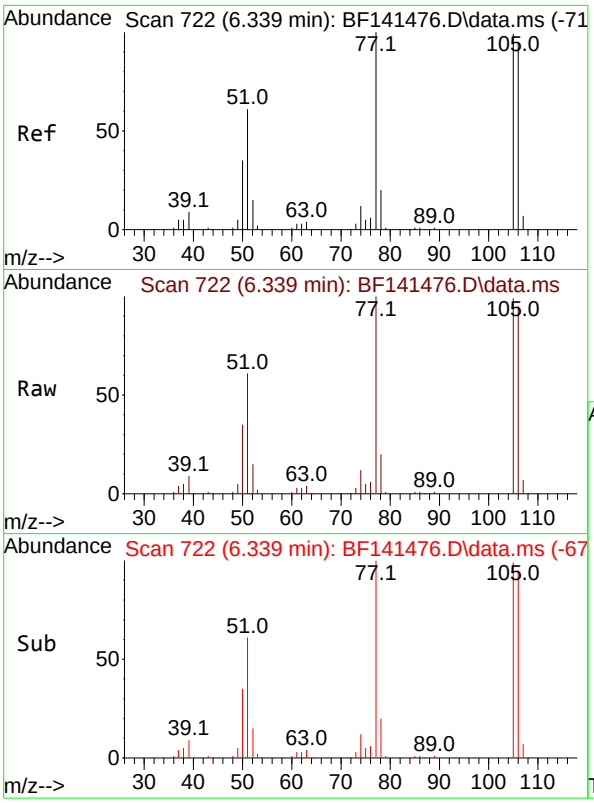


#8
2-Chlorophenol
Concen: 40.008 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:128 Resp: 245676

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	48.3	28.3	68.3



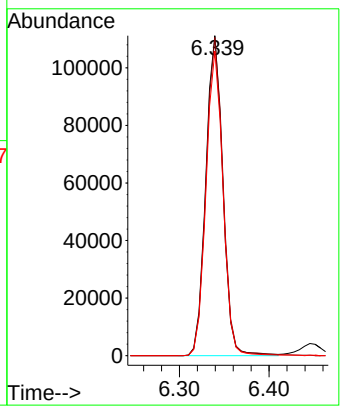


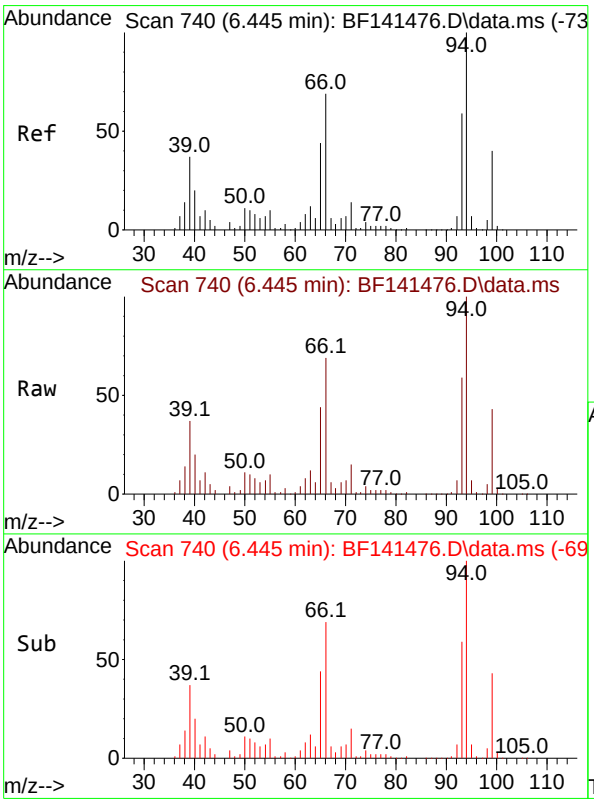
#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 146382

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	95.1	75.1	115.1

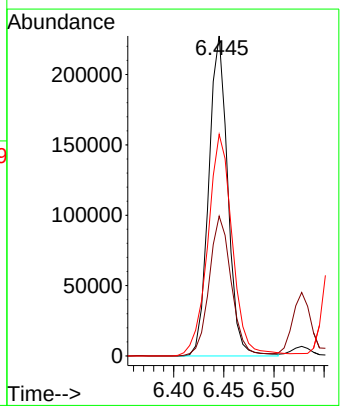


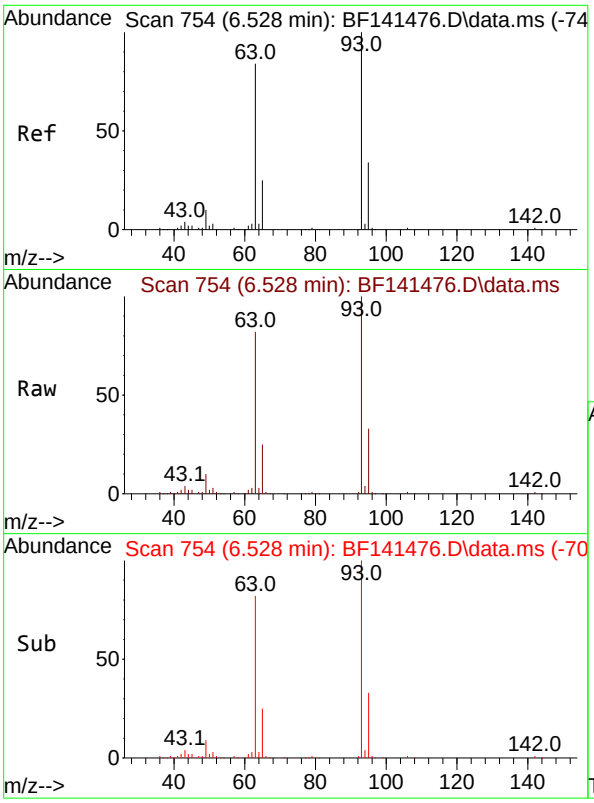


#10
Phenol
Concen: 40.171 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 94 Resp: 300315

Ion	Ratio	Lower	Upper
94	100		
65	43.7	23.7	63.7
66	69.3	49.3	89.3



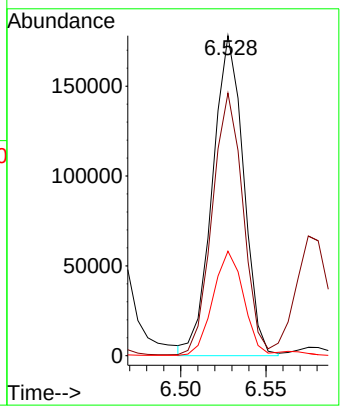


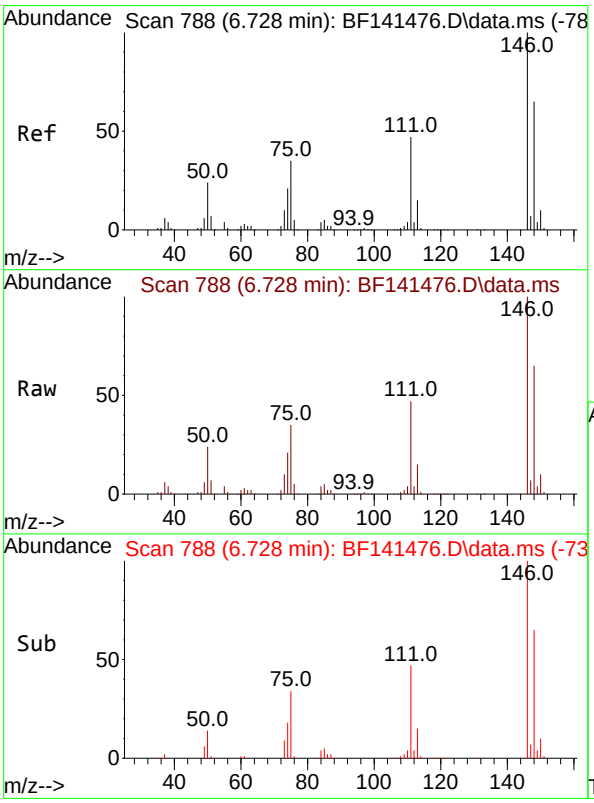
#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 225665

Ion	Ratio	Lower	Upper
93	100		
63	82.0	62.0	102.0
95	32.6	12.6	52.6

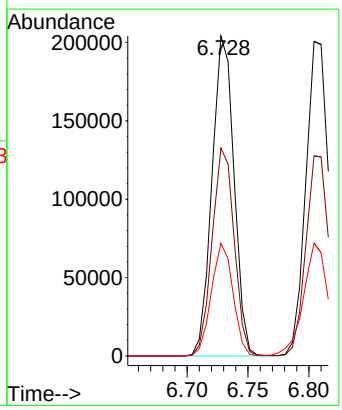


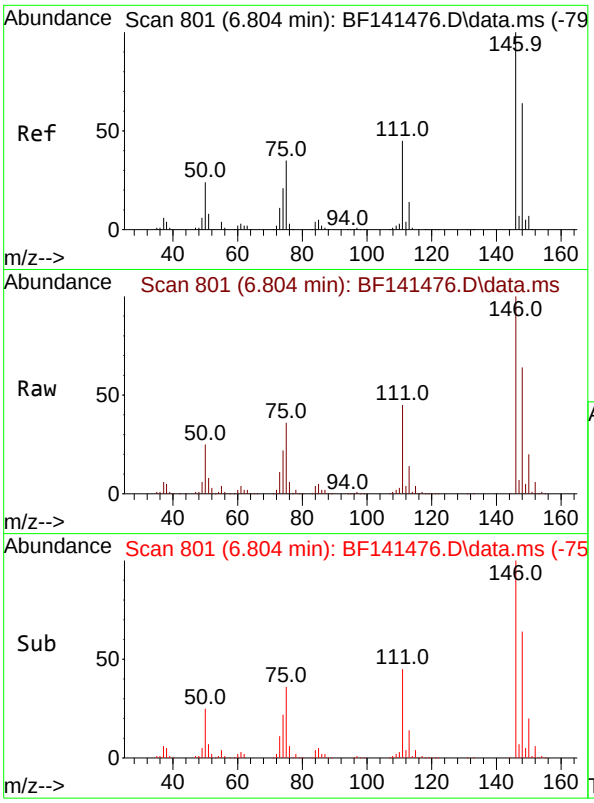


#12
1,3-Dichlorobenzene
Concen: 39.613 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:146 Resp: 256806

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
75	35.2	28.2	42.2



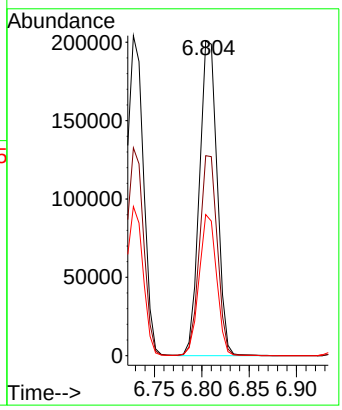


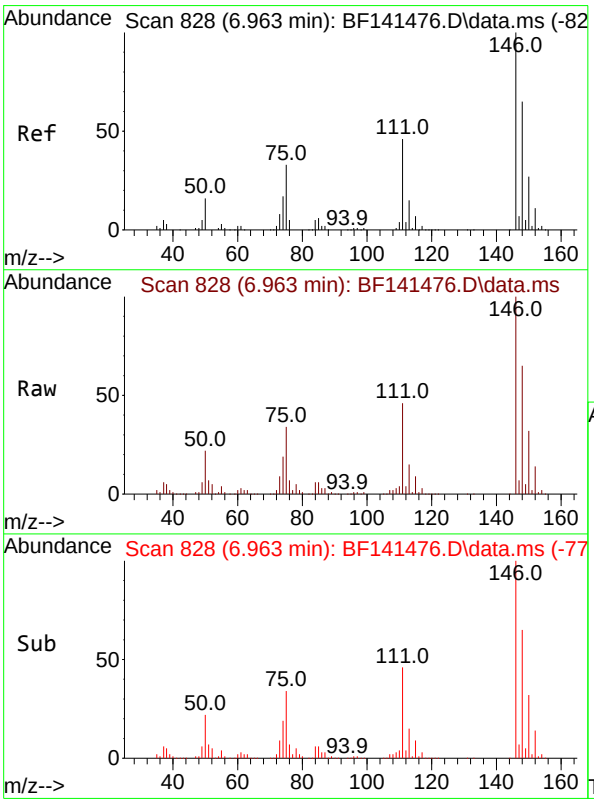
#13
1,4-Dichlorobenzene
Concen: 39.574 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 262121

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	44.9	35.9	53.9

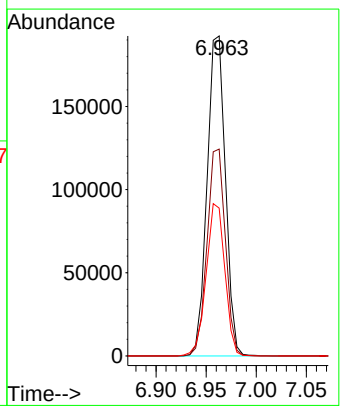


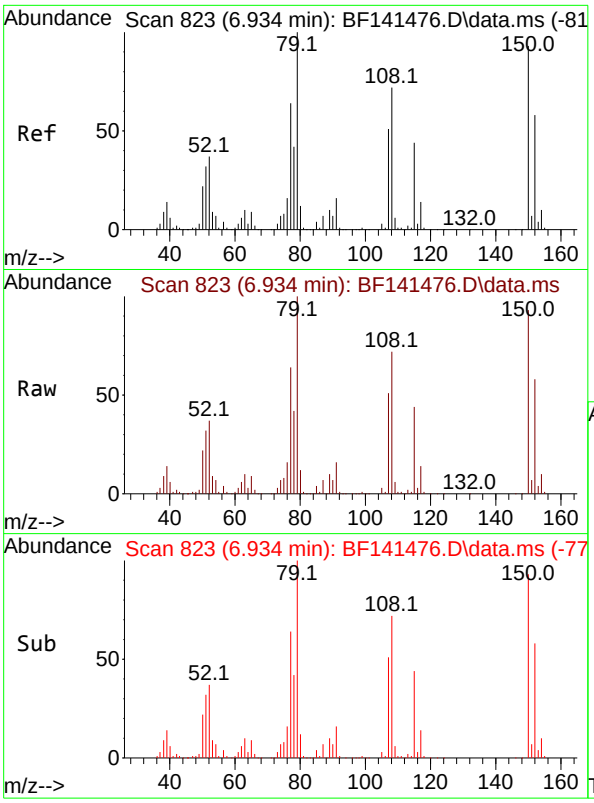


#14
1,2-Dichlorobenzene
Concen: 39.814 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:146 Resp: 244757

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
111	46.2	37.0	55.4



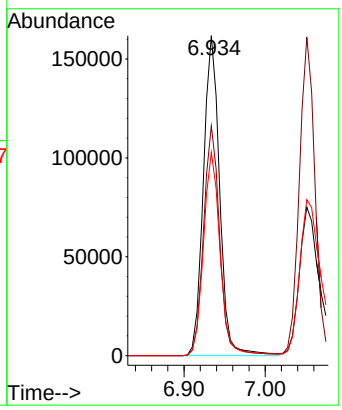


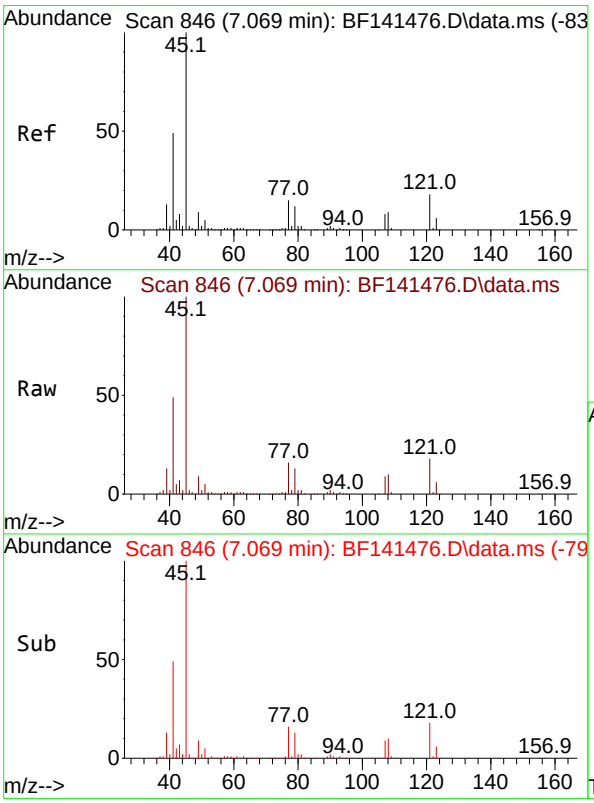
#15
Benzyl Alcohol
Concen: 40.841 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 224961

Ion	Ratio	Lower	Upper
79	100		
108	71.8	57.4	86.2
77	63.6	50.9	76.3

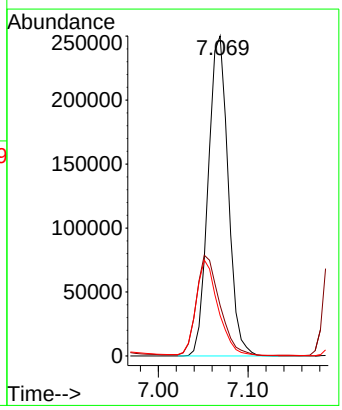


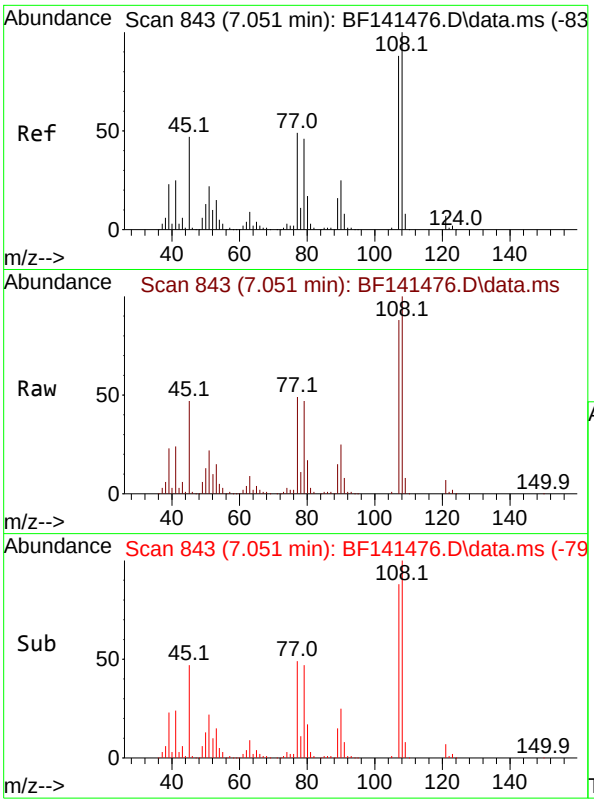


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.130 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 45 Resp: 385739

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	35.8
79	12.7	0.0	32.7



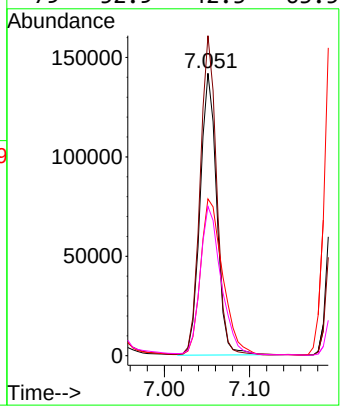


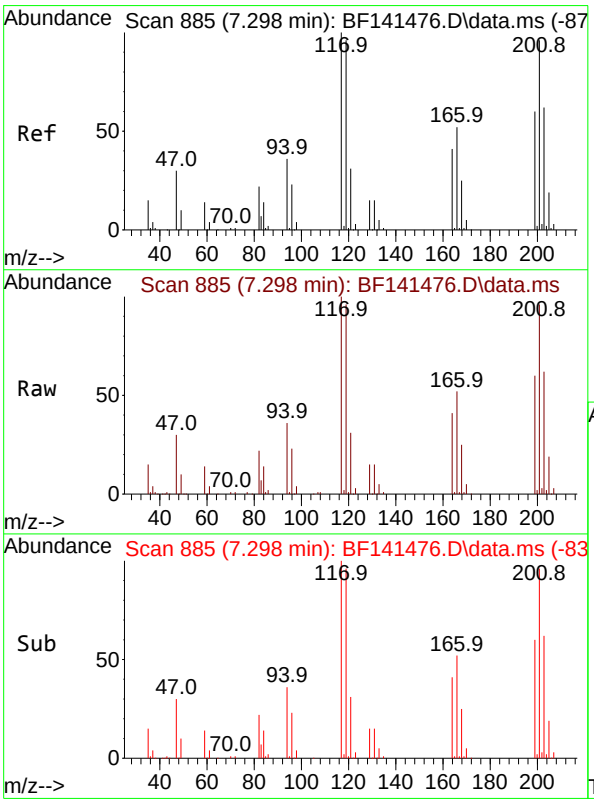
#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 191970

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.5	44.4	66.6
79	52.9	42.3	63.5

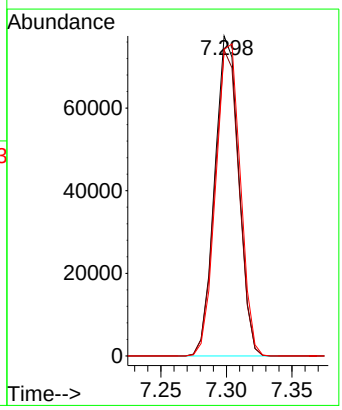


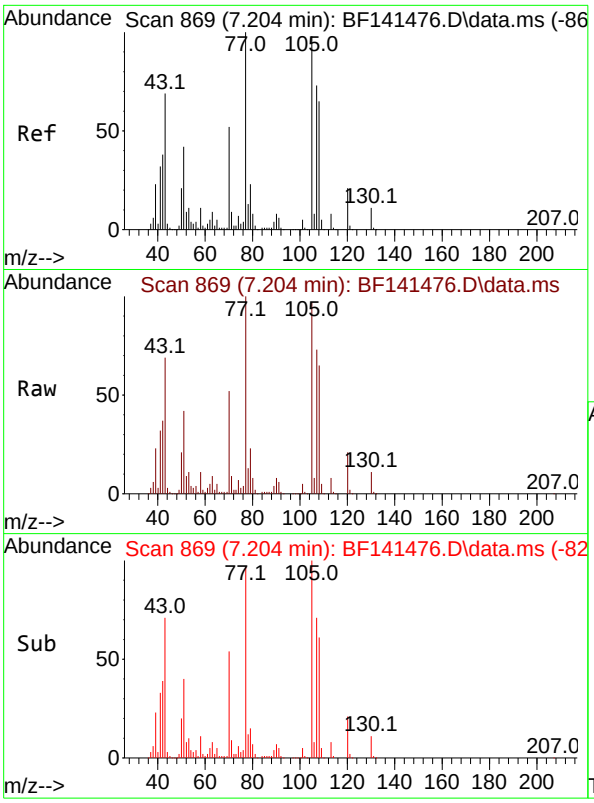


#18
Hexachloroethane
Concen: 40.215 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:117 Resp: 98581

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	95.9	76.7	115.1



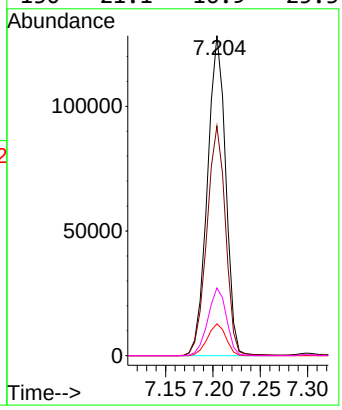


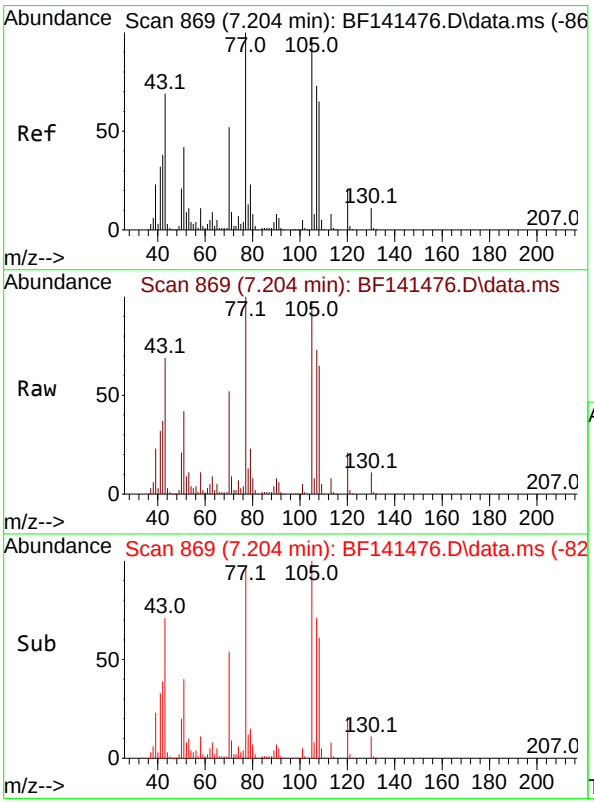
#19
n-Nitroso-di-n-propylamine
Concen: 40.198 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 172712

Ion	Ratio	Lower	Upper
70	100		
42	71.8	57.4	86.2
101	10.0	8.0	12.0
130	21.1	16.9	25.3

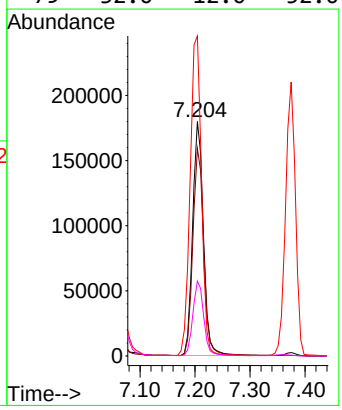


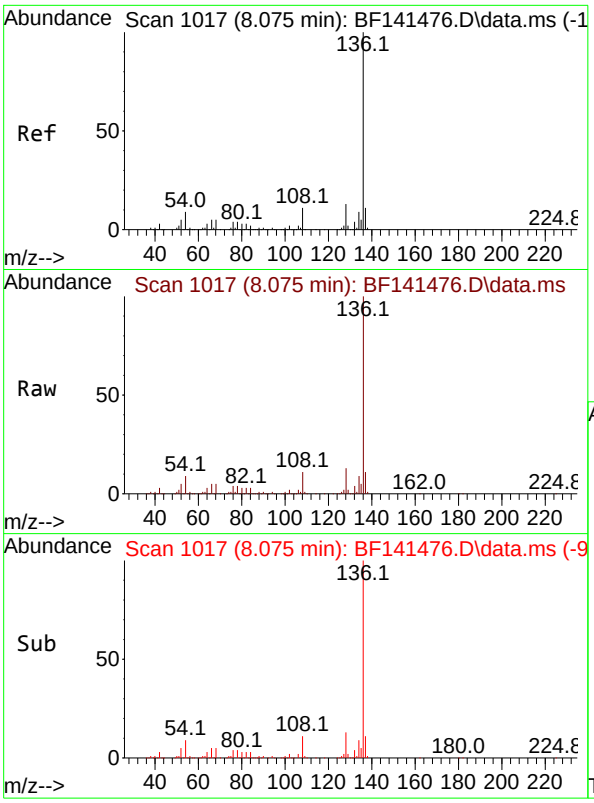


#20
3+4-Methylphenols
Concen: 40.024 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 244439

Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.5	108.5
77	136.5	116.5	156.5
79	32.0	12.0	52.0



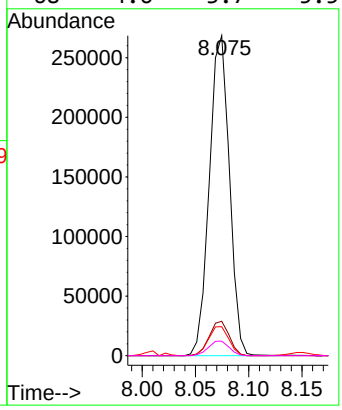


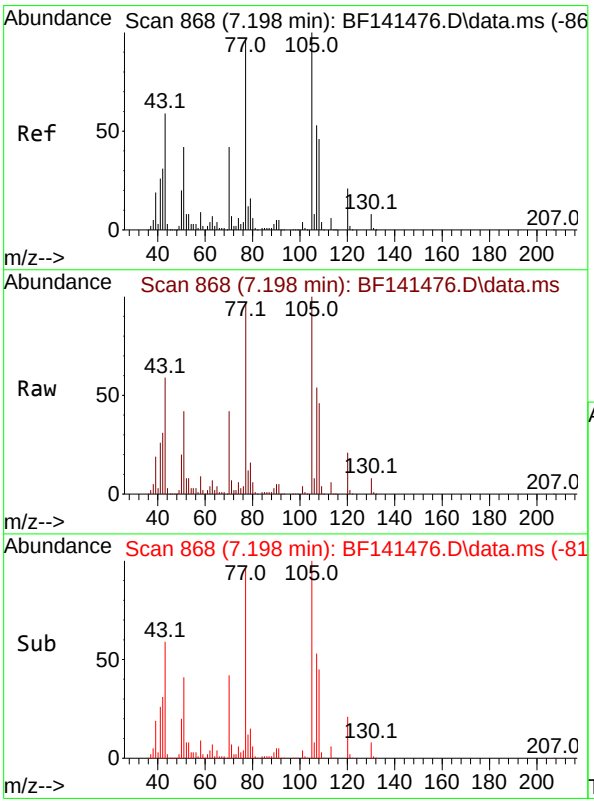
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 351555

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.0	7.2	10.8
68	4.6	3.7	5.5

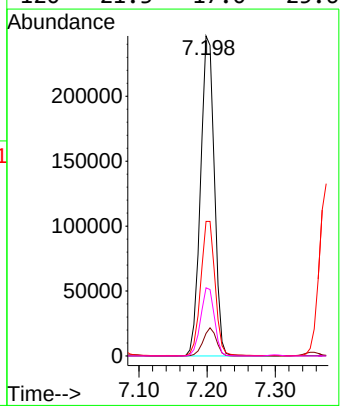


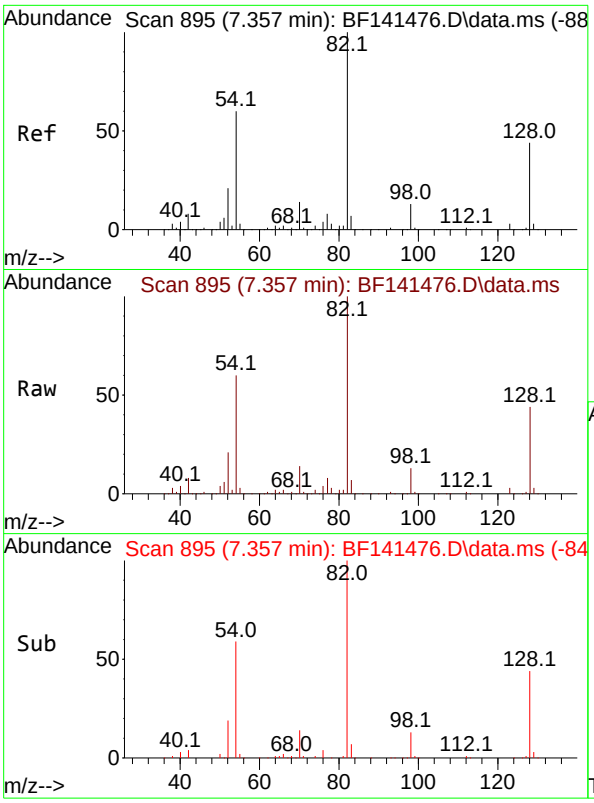


#22
Acetophenone
Concen: 39.649 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:105 Resp: 346731

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	42.1	33.7	50.5
120	21.3	17.0	25.6



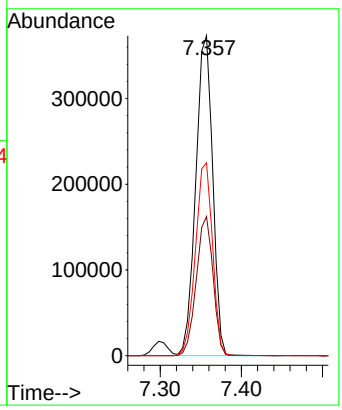


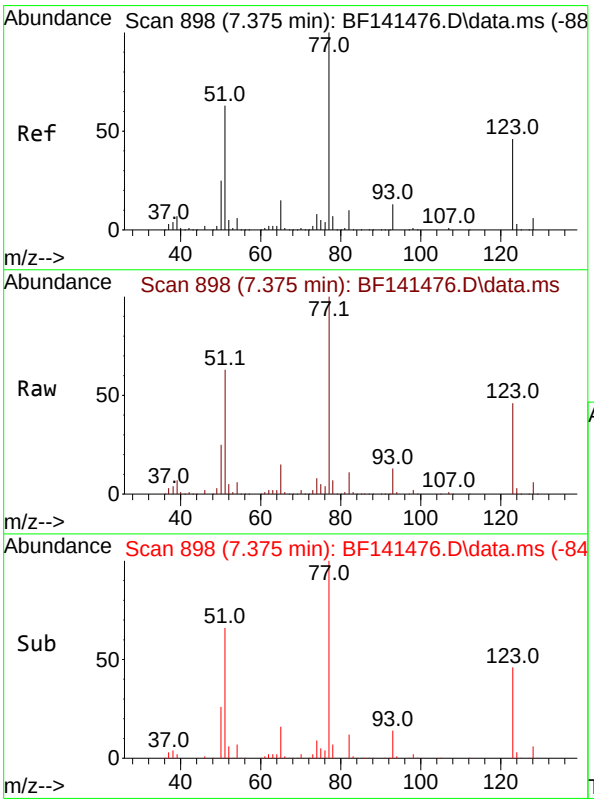
#23
Nitrobenzene-d5
Concen: 80.234 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 540793

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	60.3	48.2	72.4

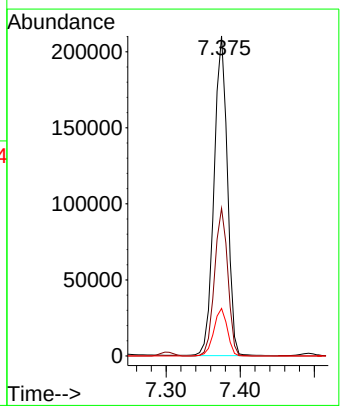


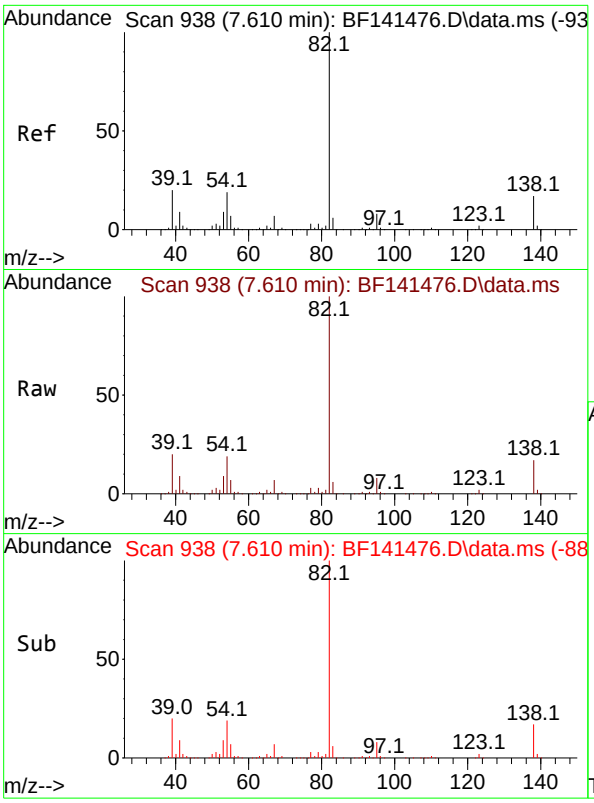


#24
Nitrobenzene
Concen: 40.044 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 77 Resp: 263188

Ion	Ratio	Lower	Upper
77	100		
123	46.1	36.9	55.3
65	14.9	11.9	17.9



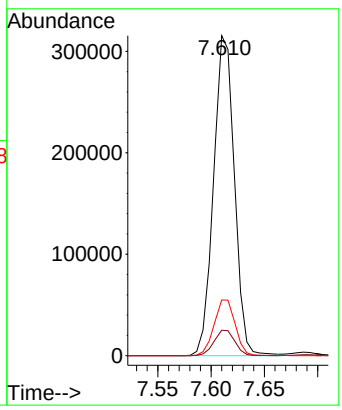


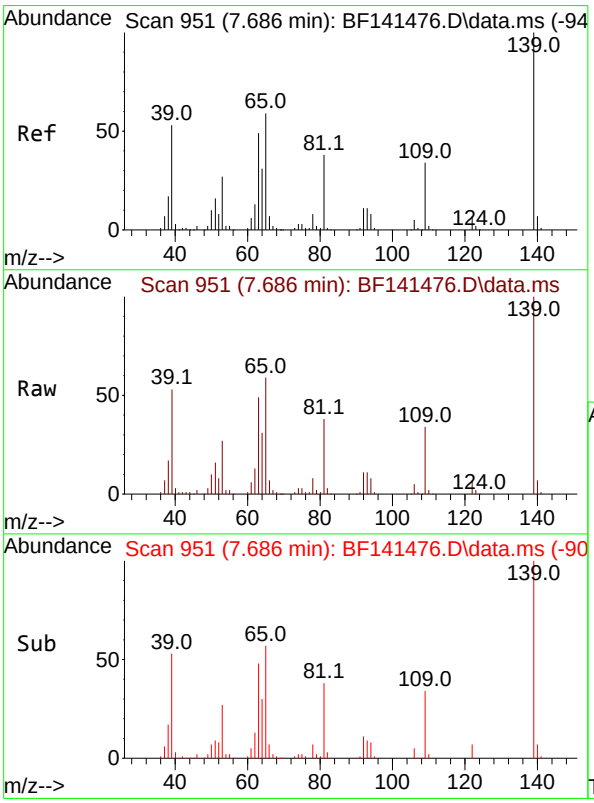
#25
Isophorone
Concen: 39.948 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 429323

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	17.4	13.9	20.9

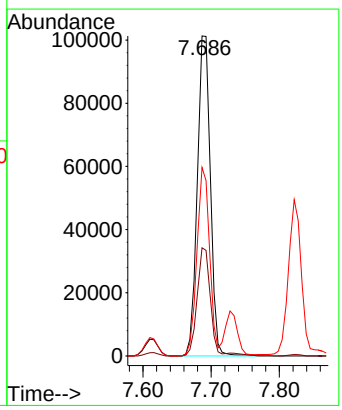


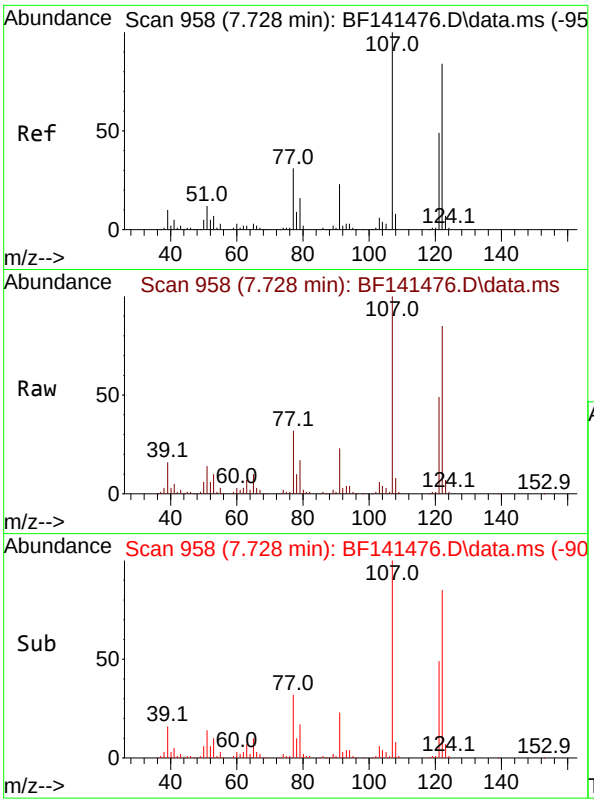


#26
2-Nitrophenol
Concen: 41.394 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:139 Resp: 135355

Ion	Ratio	Lower	Upper
139	100		
109	33.8	27.0	40.6
65	58.9	47.1	70.7



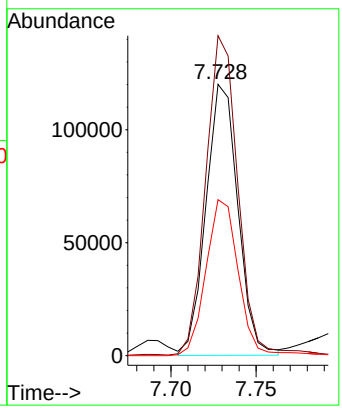


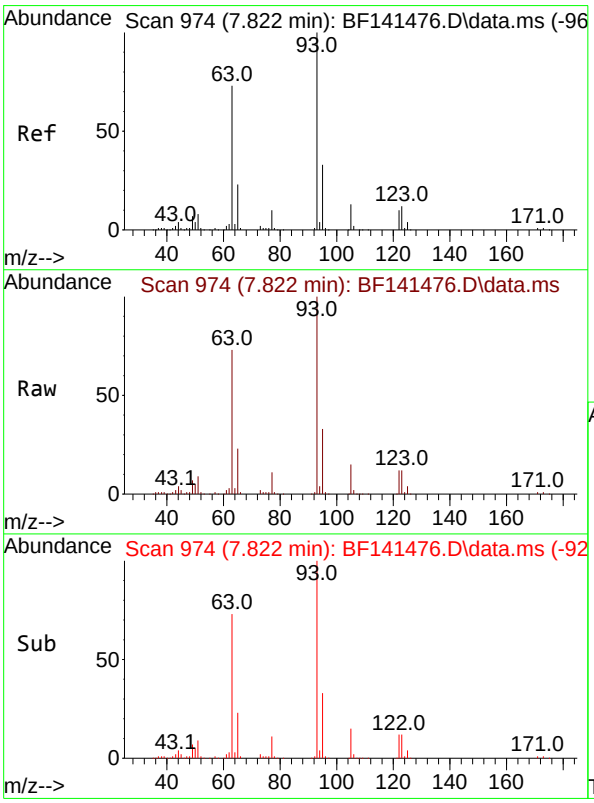
#27
2,4-Dimethylphenol
Concen: 41.012 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 156665

Ion	Ratio	Lower	Upper
122	100		
107	117.9	94.3	141.5
121	57.5	46.0	69.0

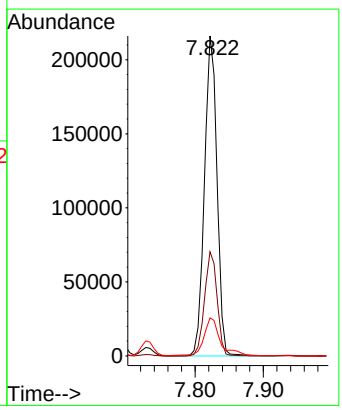


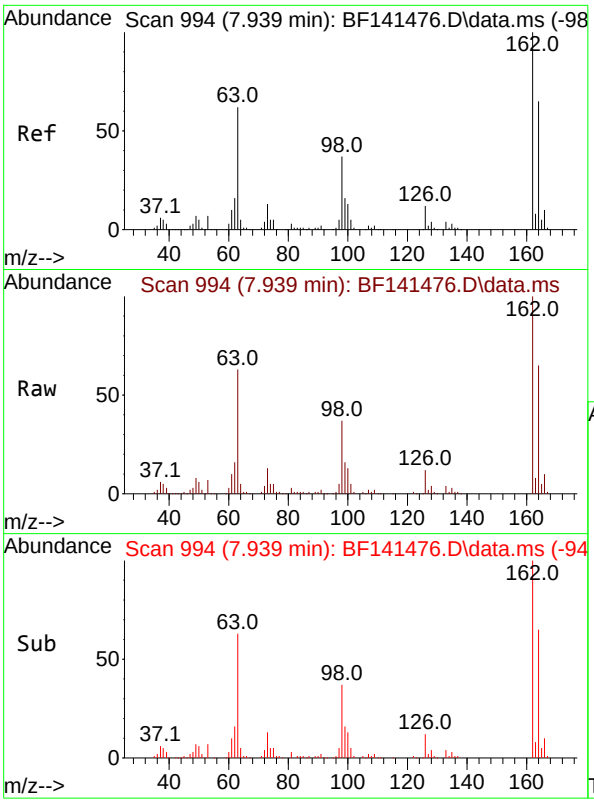


#28
bis(2-Chloroethoxy)methane
Concen: 40.185 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 93 Resp: 276730

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.9	9.5	14.3



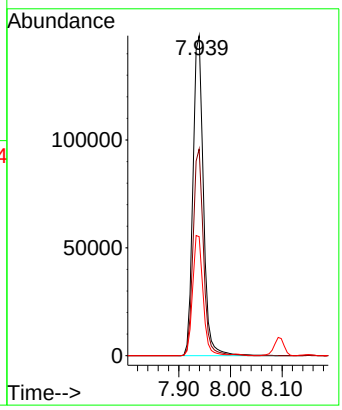


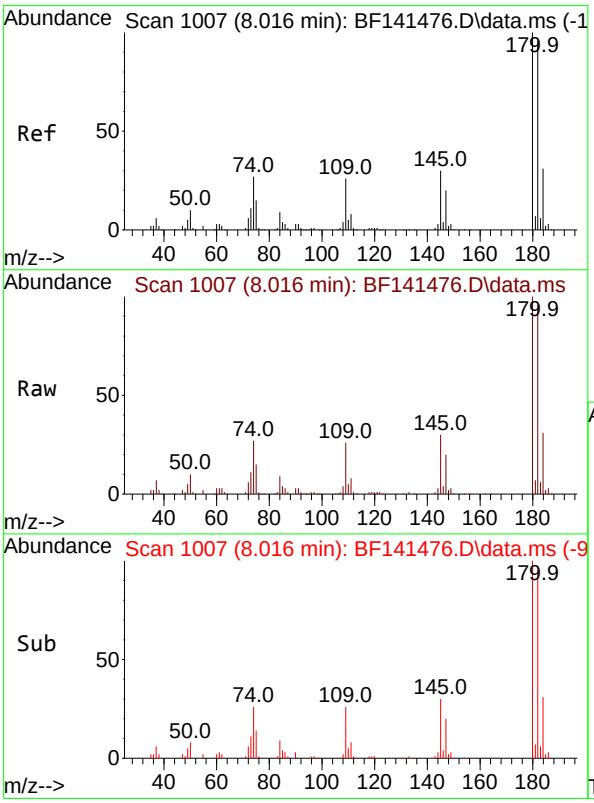
#29
2,4-Dichlorophenol
Concen: 40.375 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 208390

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.6	84.6
98	37.2	17.2	57.2

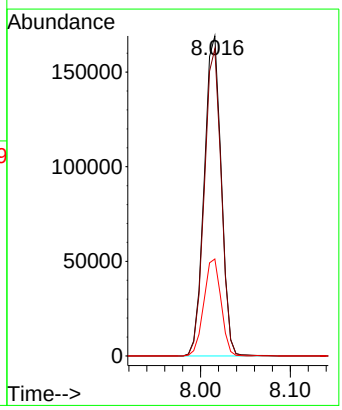


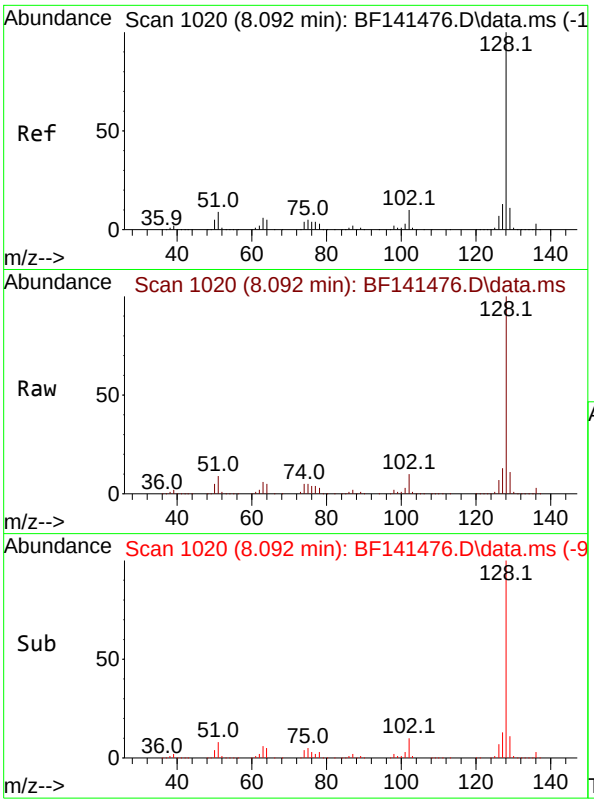


#30
1,2,4-Trichlorobenzene
Concen: 39.619 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:180 Resp: 222679

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	30.3	24.2	36.4



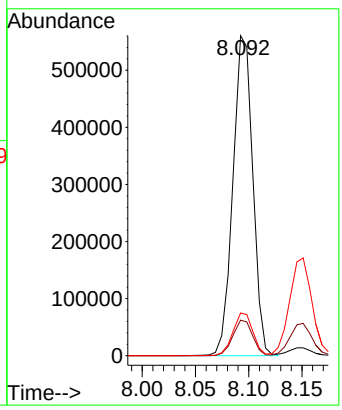


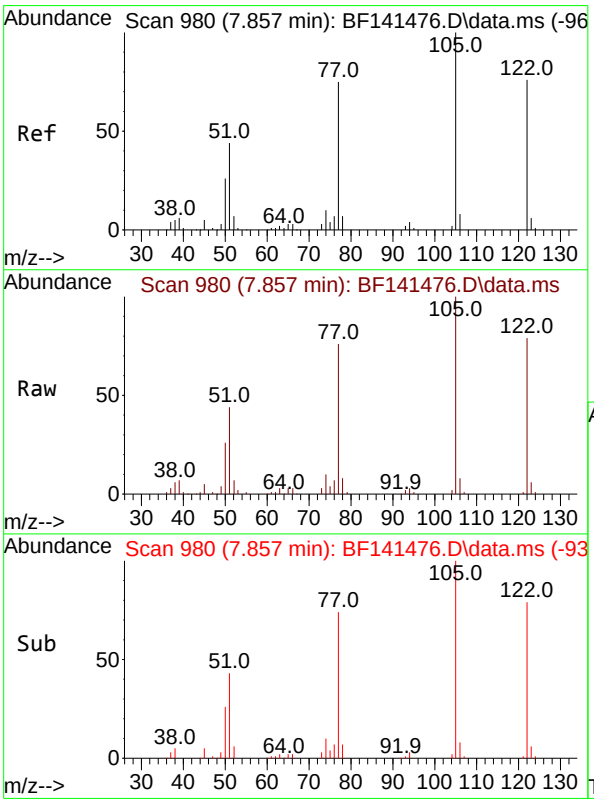
#31
Naphthalene
Concen: 39.856 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 729358

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

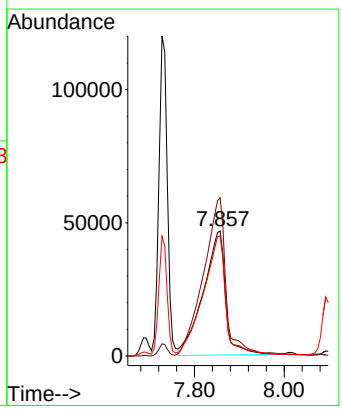


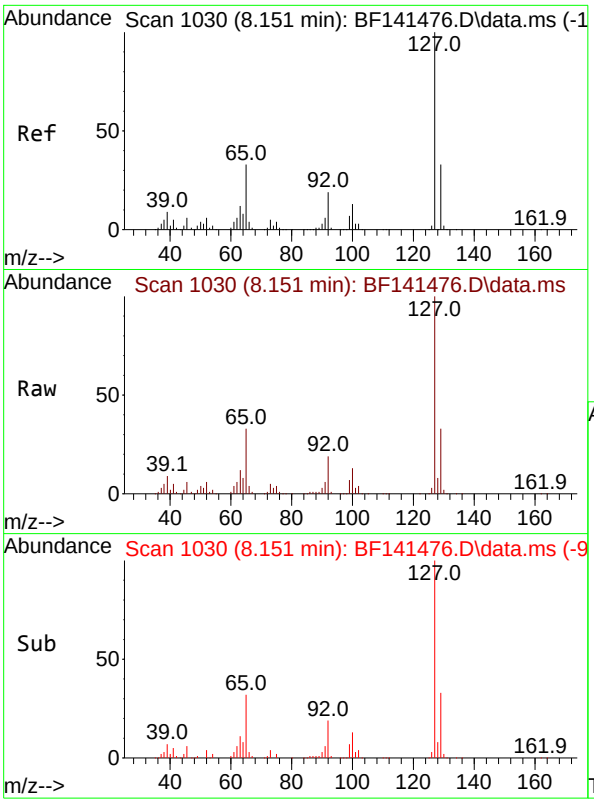


#32
Benzoic acid
Concen: 40.625 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:122 Resp: 161196

Ion	Ratio	Lower	Upper
122	100		
105	126.5	106.5	146.5
77	96.3	76.3	116.3



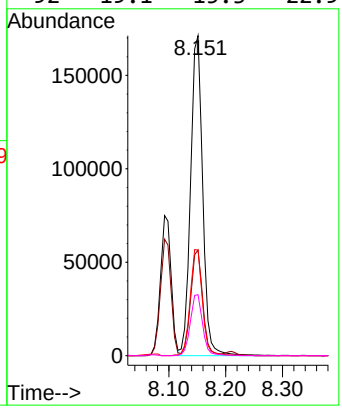


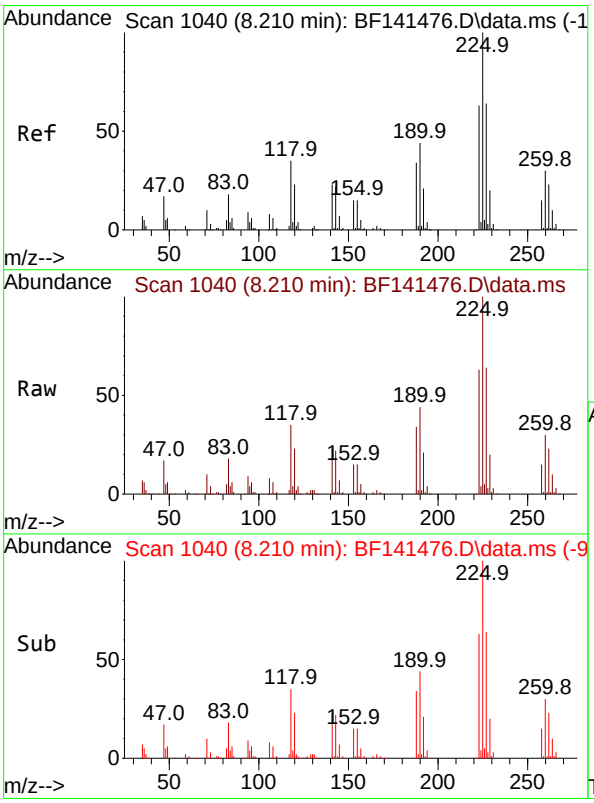
#33
4-Chloroaniline
Concen: 40.029 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 255749

Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.5	39.7
65	33.0	26.4	39.6
92	19.1	15.3	22.9

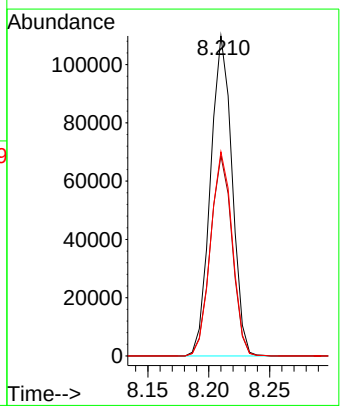


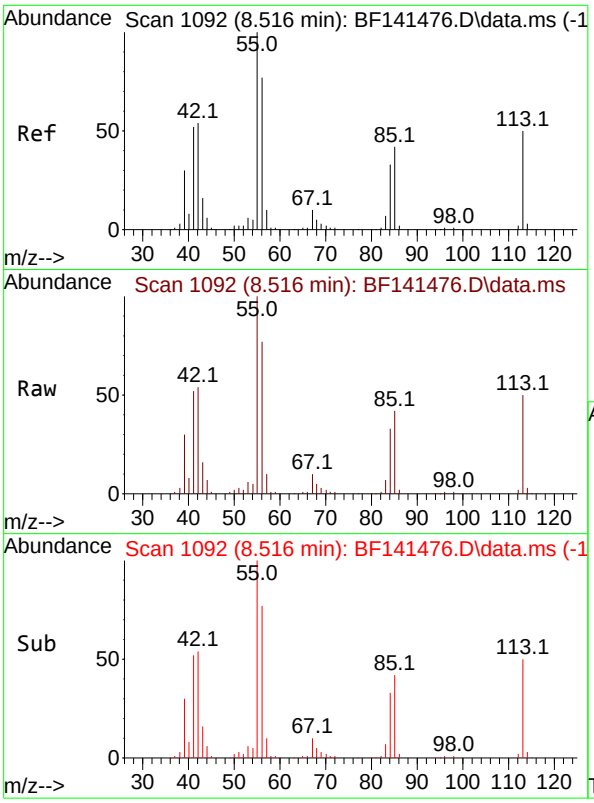


#34
Hexachlorobutadiene
Concen: 40.051 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:225 Resp: 135140

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.8	51.0	76.6



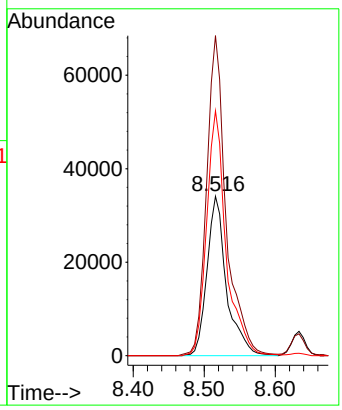


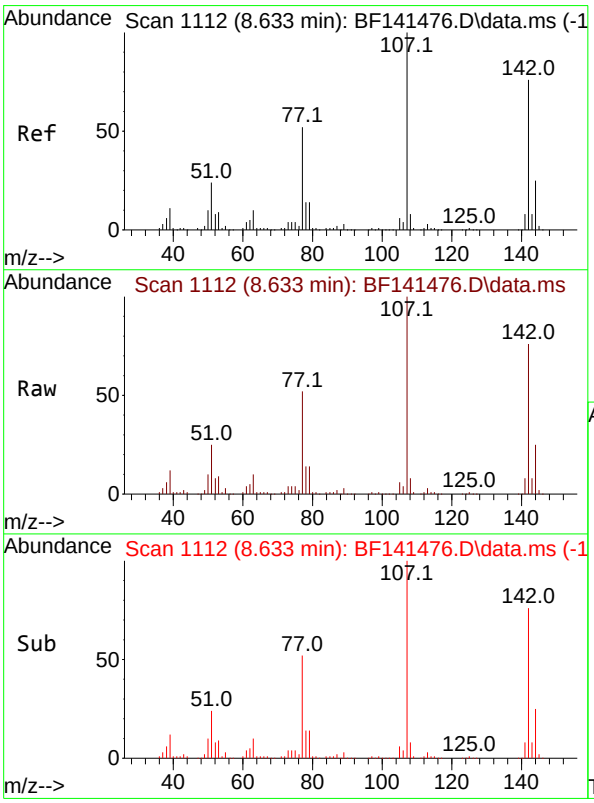
#35
Caprolactam
Concen: 41.461 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 65155

Ion	Ratio	Lower	Upper
113	100		
55	200.8	180.8	220.8
56	153.6	133.6	173.6

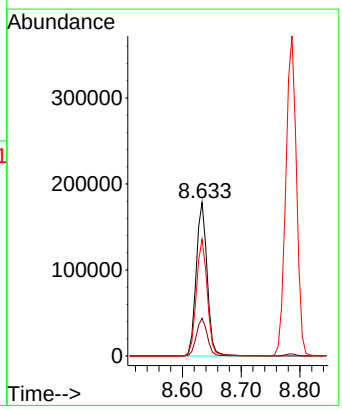


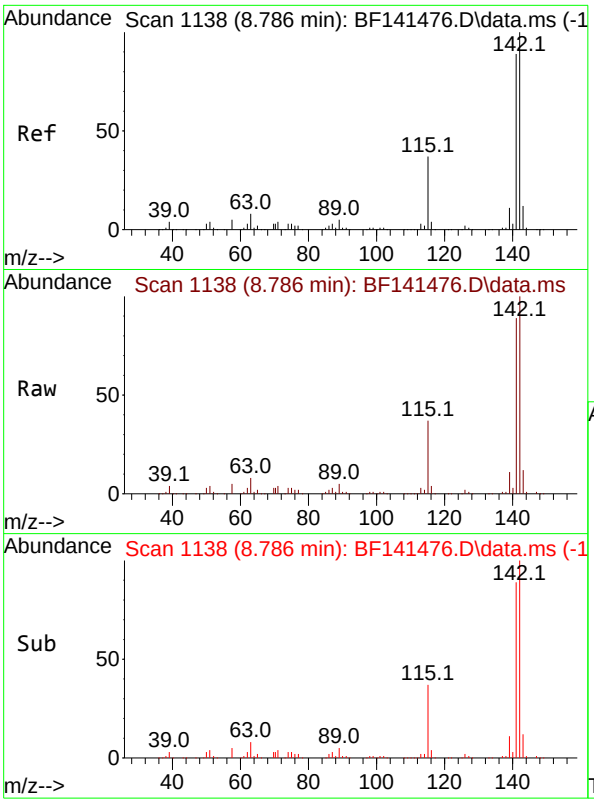


#36
4-Chloro-3-methylphenol
Concen: 40.464 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 231344

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.7	29.5
142	76.0	60.8	91.2



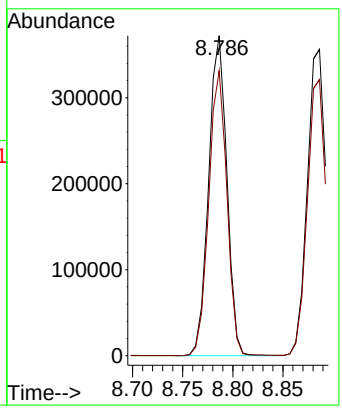


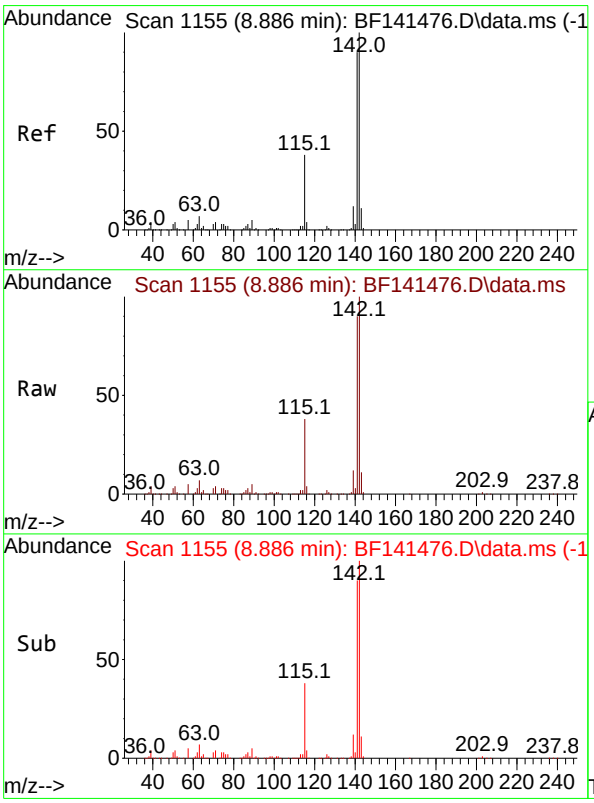
#37
2-Methylnaphthalene
Concen: 39.496 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 470332

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

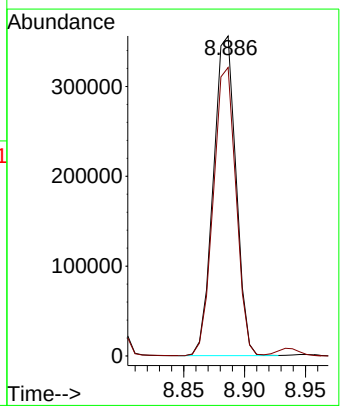


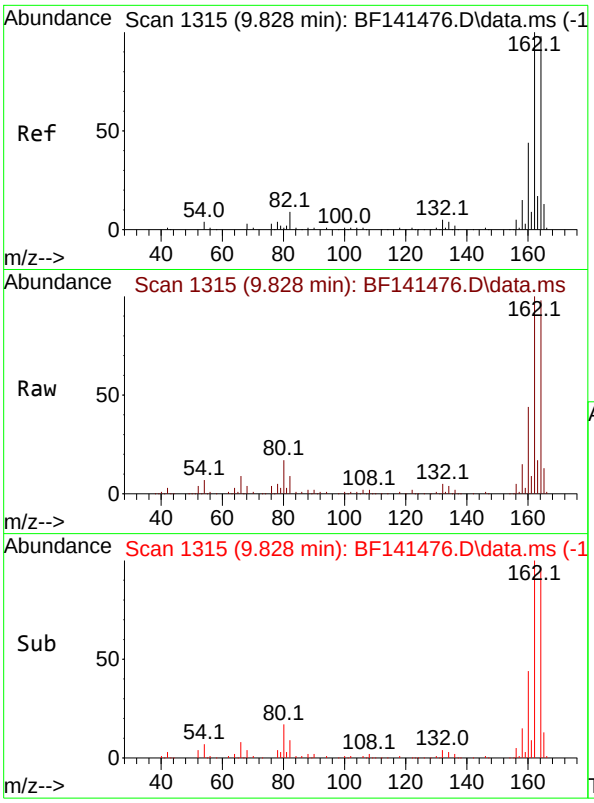


#38
1-Methylnaphthalene
Concen: 39.987 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:142 Resp: 461189

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1



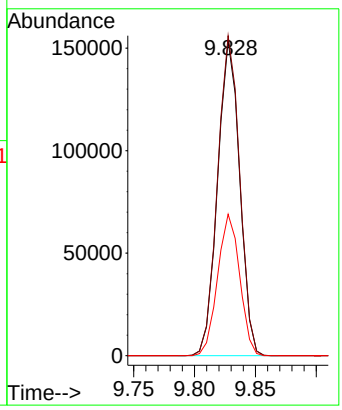


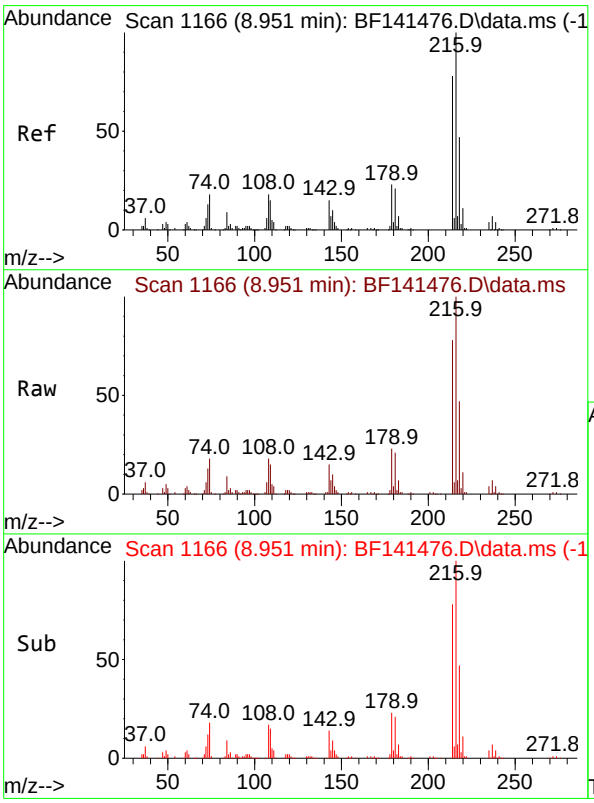
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 193385

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	44.9	35.9	53.9

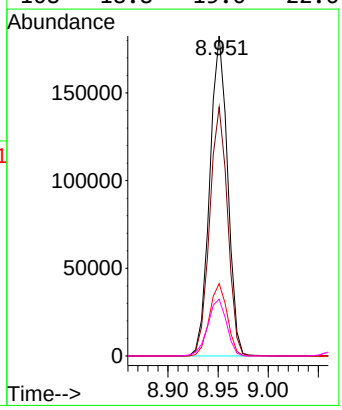


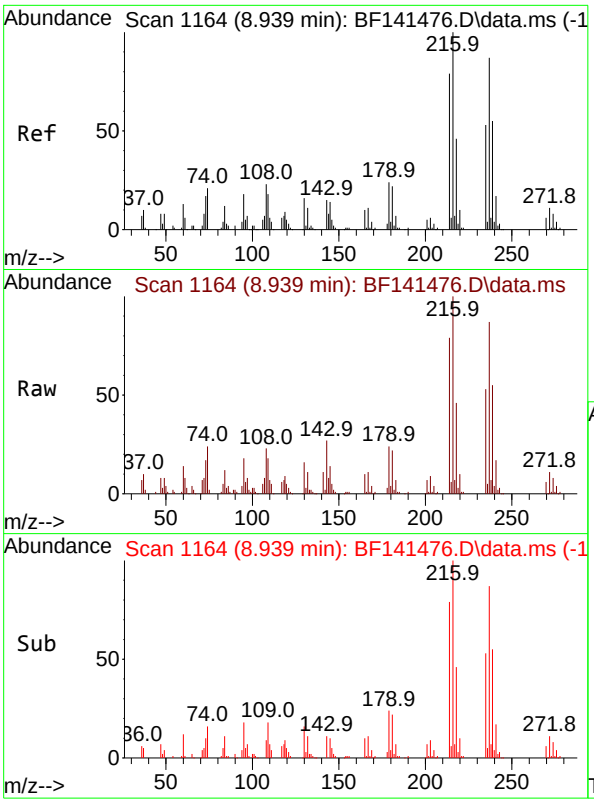


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.383 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:216 Resp: 225938

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	22.5	18.0	27.0
108	18.8	15.0	22.6



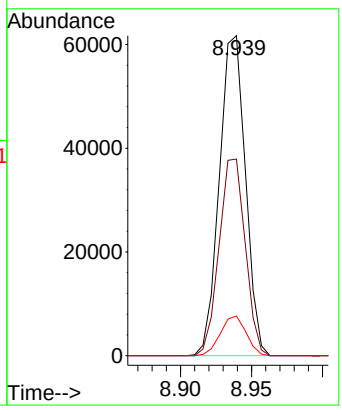


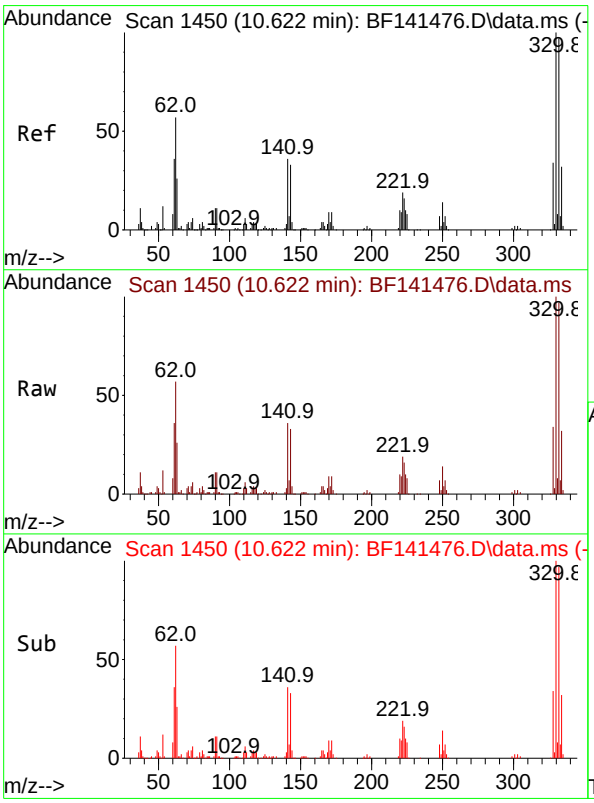
#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 78762

Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.4	81.4
272	12.4	0.0	32.4

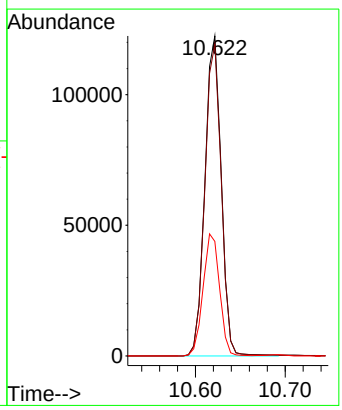


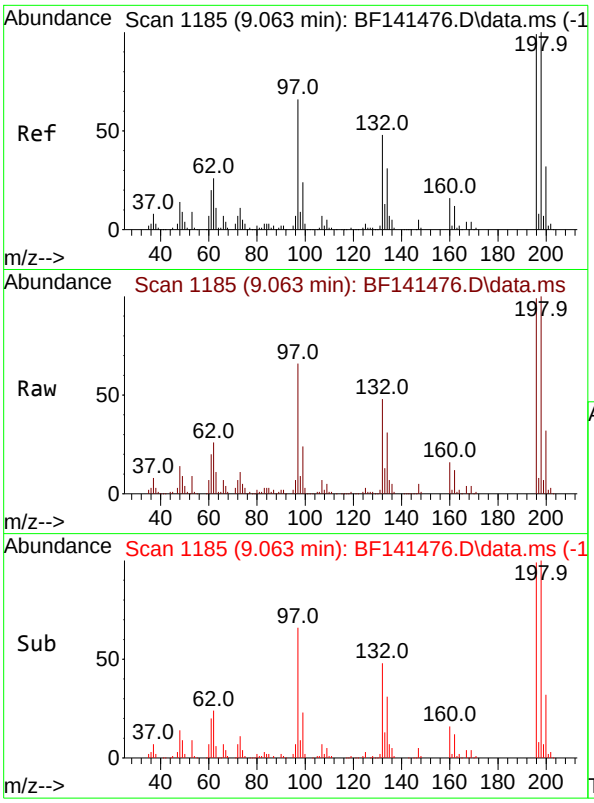


#42
2,4,6-Tribromophenol
Concen: 79.647 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:330 Resp: 154725

Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.5	117.7
141	38.7	31.0	46.4



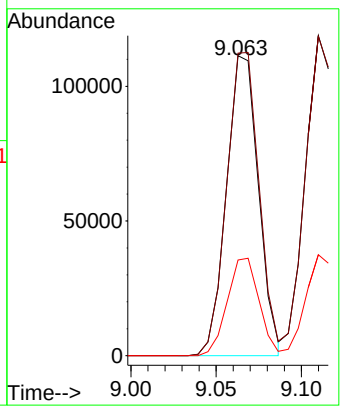


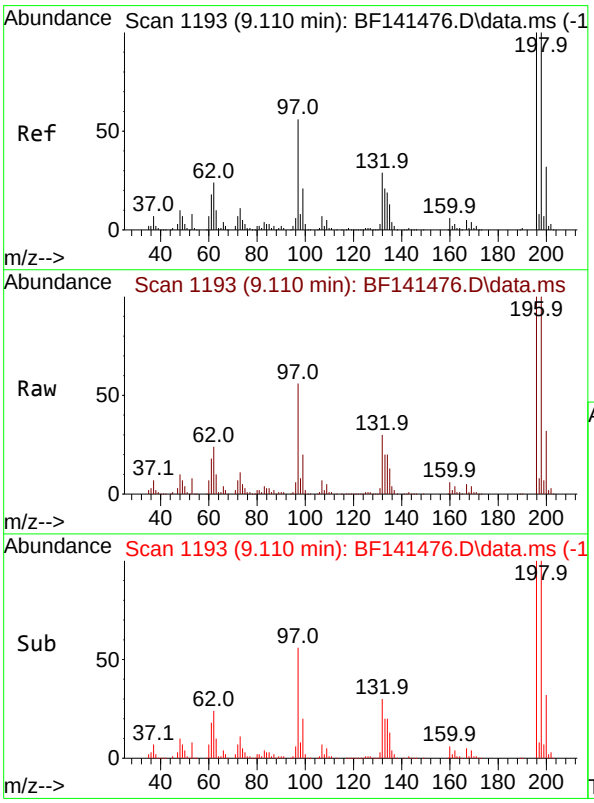
#43
2,4,6-Trichlorophenol
Concen: 40.288 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 145682

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	121.0
200	31.9	25.5	38.3

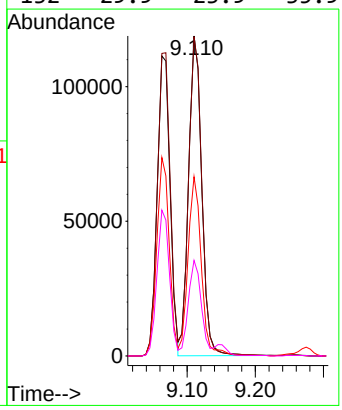


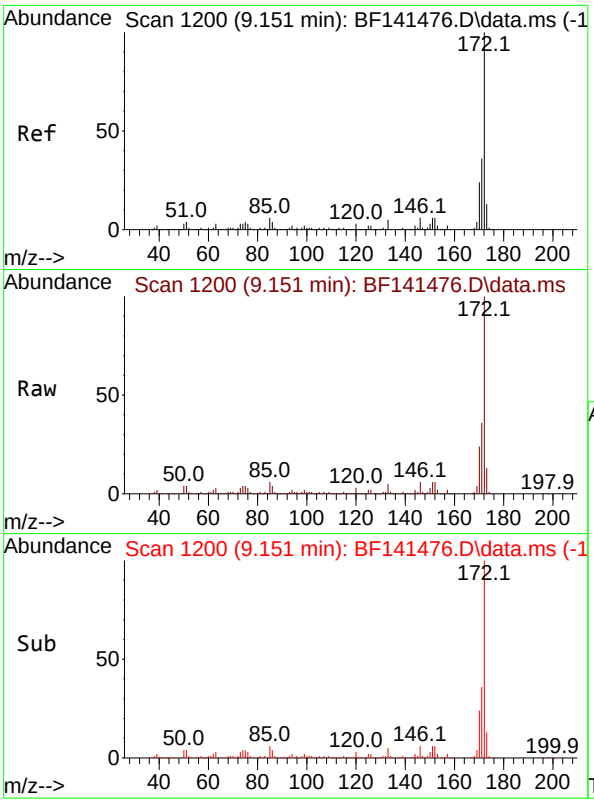


#44
2,4,5-Trichlorophenol
Concen: 40.492 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:196 Resp: 158685

Ion	Ratio	Lower	Upper
196	100		
198	99.8	79.8	119.8
97	56.0	44.8	67.2
132	29.9	23.9	35.9



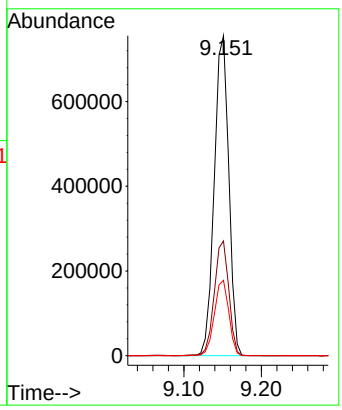


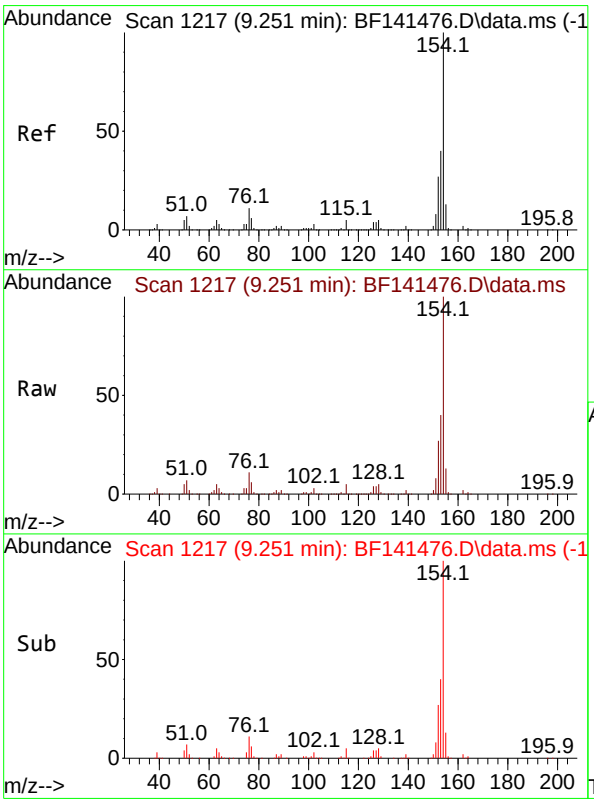
#45
2-Fluorobiphenyl
Concen: 78.189 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 981440

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.6	18.9	28.3

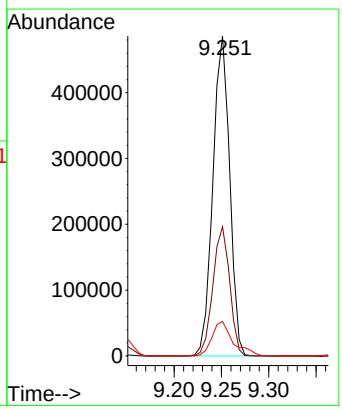


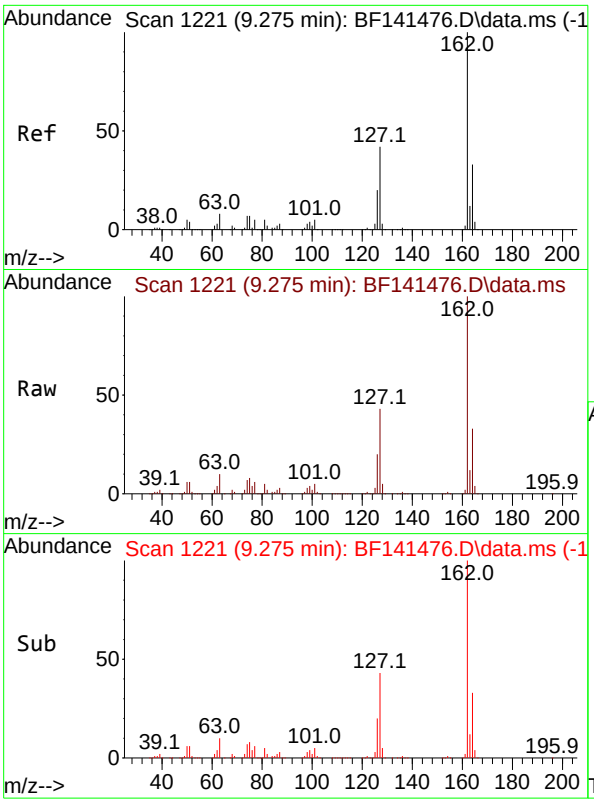


#46
1,1'-Biphenyl
Concen: 39.846 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:154 Resp: 597404

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.8	0.0	30.8



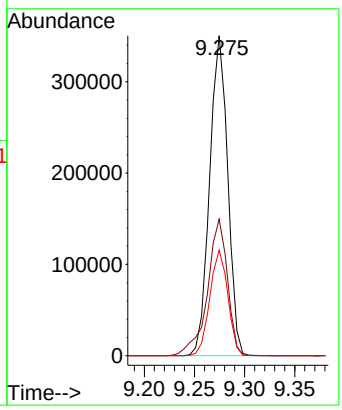


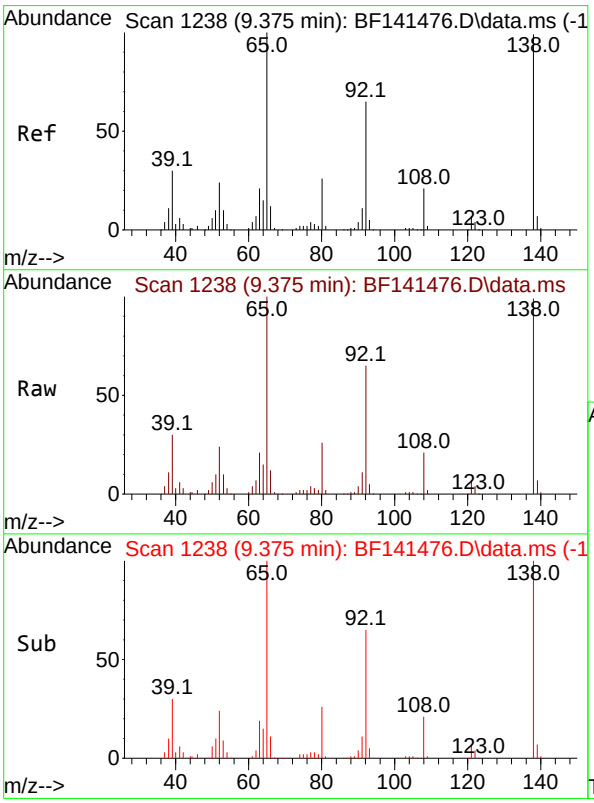
#47
2-Chloronaphthalene
Concen: 39.590 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 438926

Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.1	51.1
164	32.9	26.3	39.5

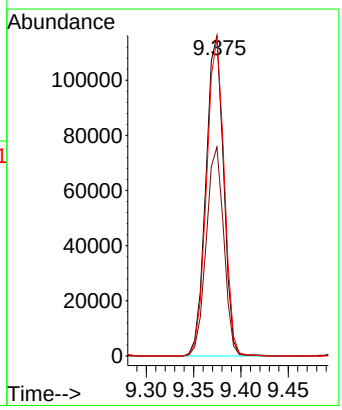


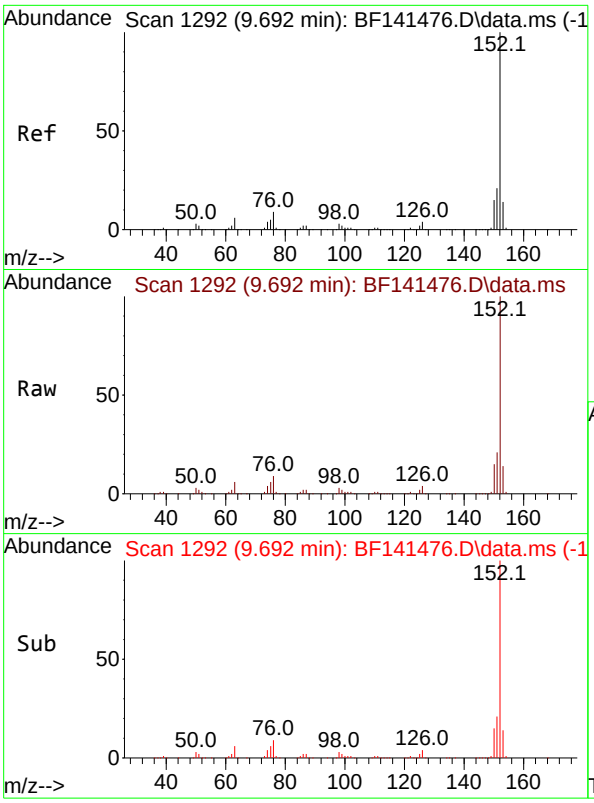


#48
2-Nitroaniline
Concen: 40.563 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 65 Resp: 150922

Ion	Ratio	Lower	Upper
65	100		
92	65.2	52.2	78.2
138	99.4	79.5	119.3



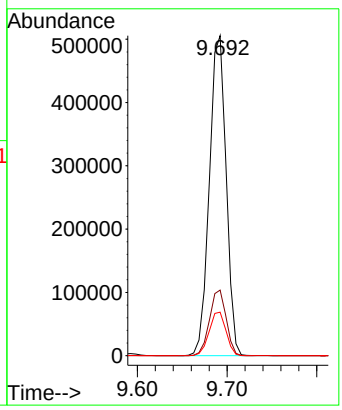


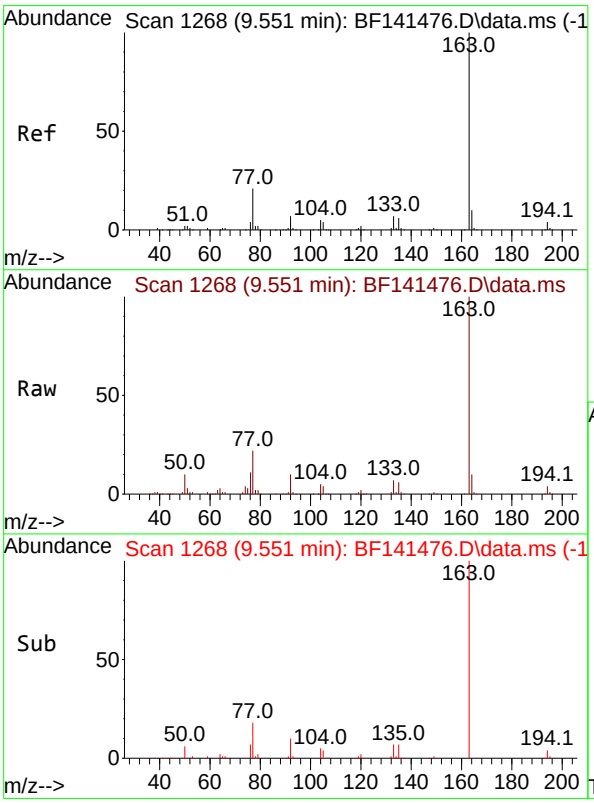
#49
Acenaphthylene
Concen: 39.789 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 656124

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.9	16.3

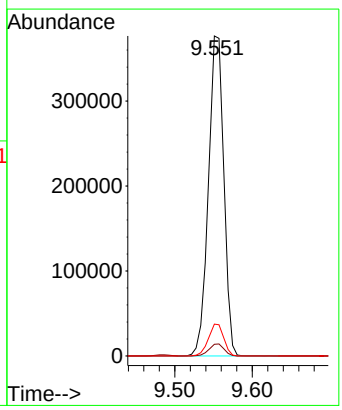


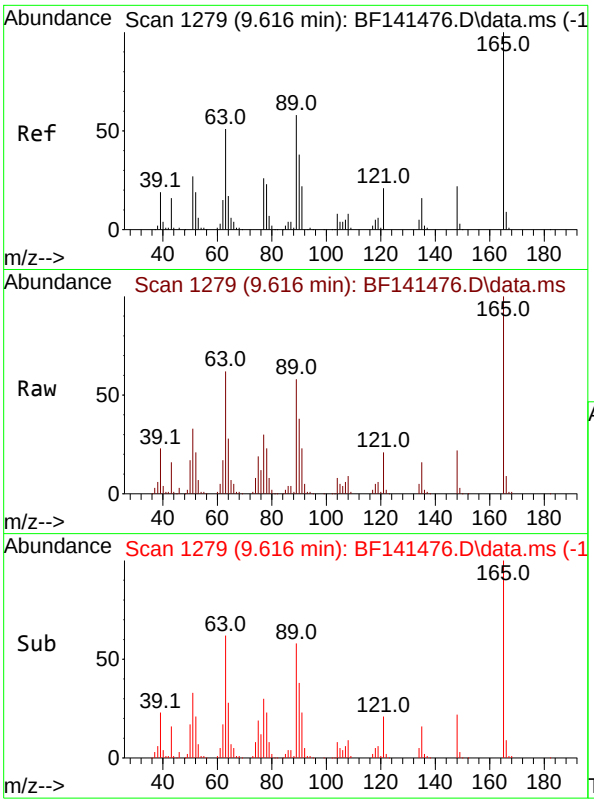


#50
Dimethylphthalate
Concen: 39.638 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:163 Resp: 520384

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	7.9	11.9



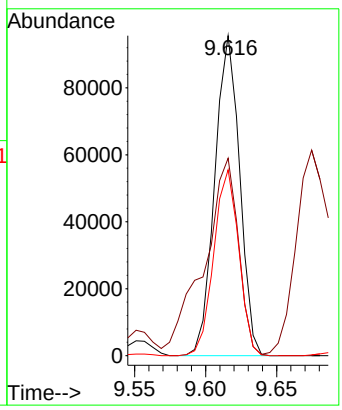


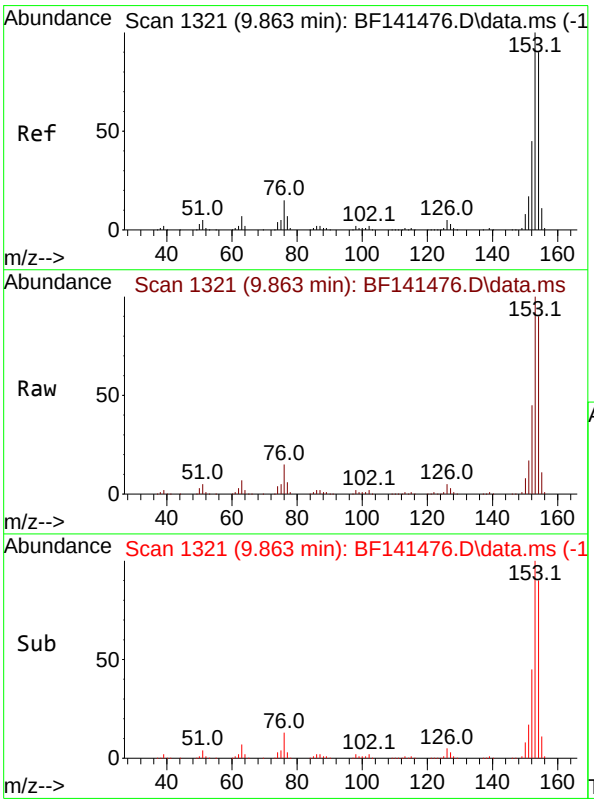
#51
2,6-Dinitrotoluene
Concen: 40.536 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 116338

Ion	Ratio	Lower	Upper
165	100		
63	61.7	49.4	74.0
89	58.1	46.5	69.7

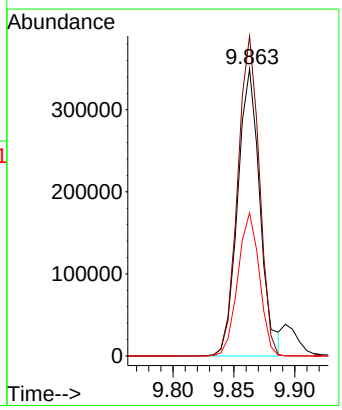


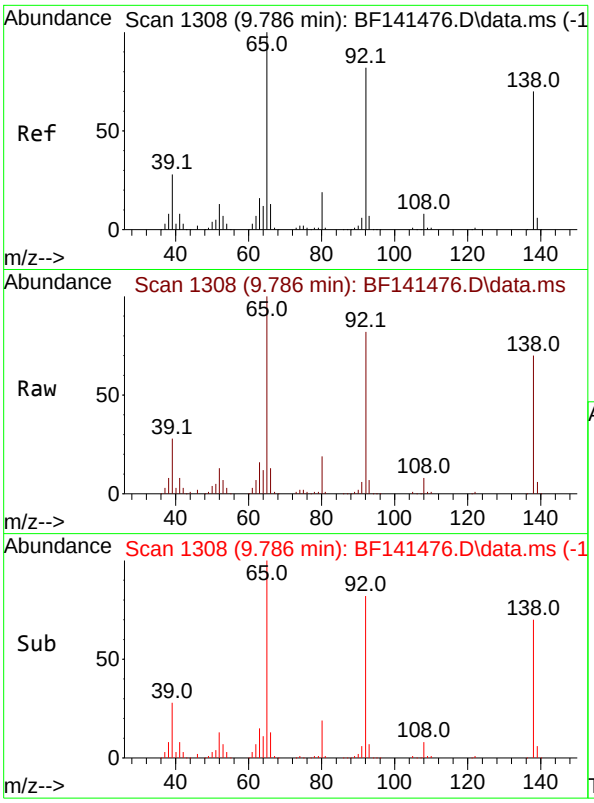


#52
Acenaphthene
Concen: 40.186 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:154 Resp: 445515

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	49.8	39.8	59.8



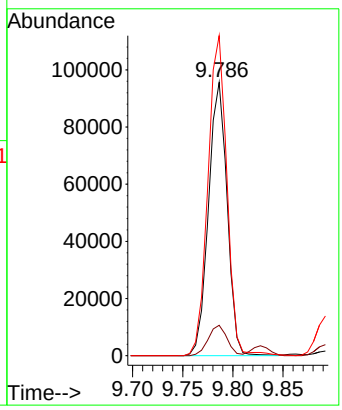


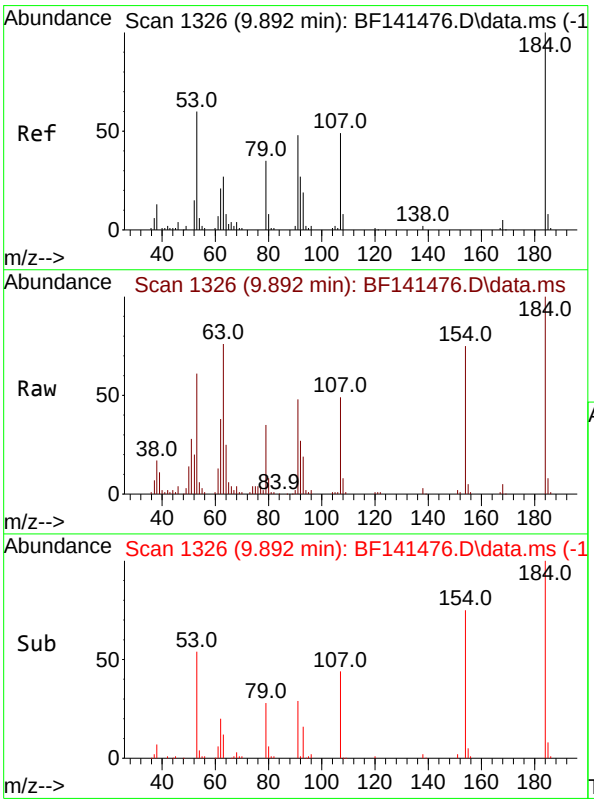
#53
3-Nitroaniline
Concen: 39.991 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 123530

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.4
92	117.1	93.7	140.5

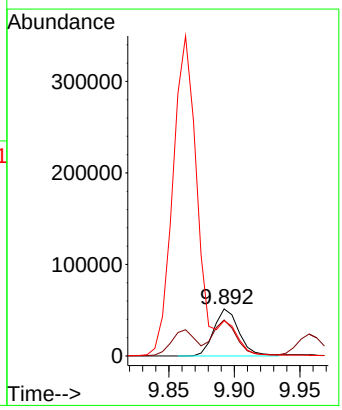


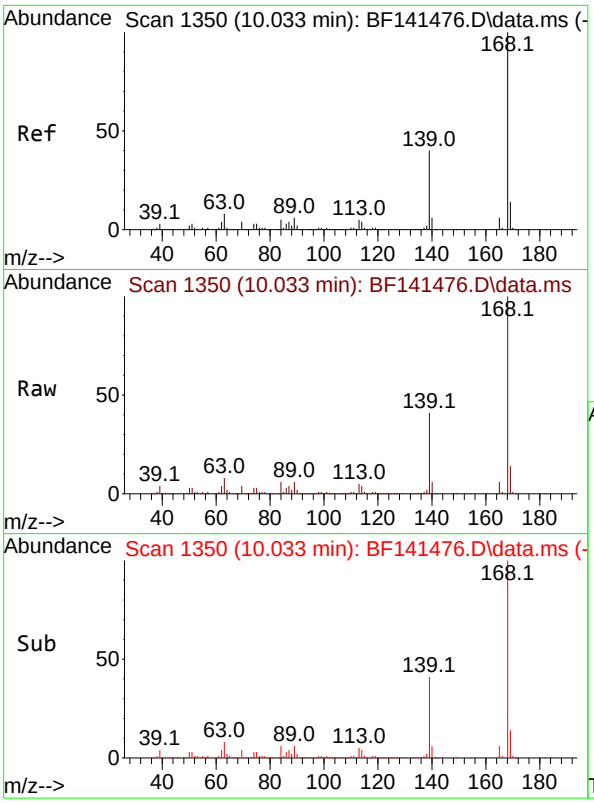


#54
2,4-Dinitrophenol
Concen: 40.153 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:184 Resp: 68489

Ion	Ratio	Lower	Upper
184	100		
63	76.3	61.0	91.6
154	74.9	59.9	89.9



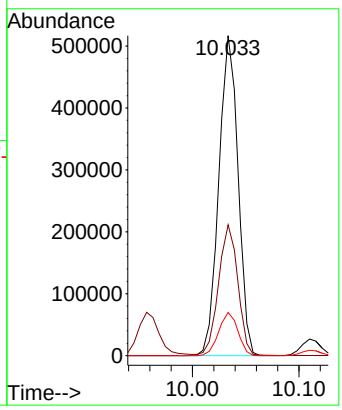


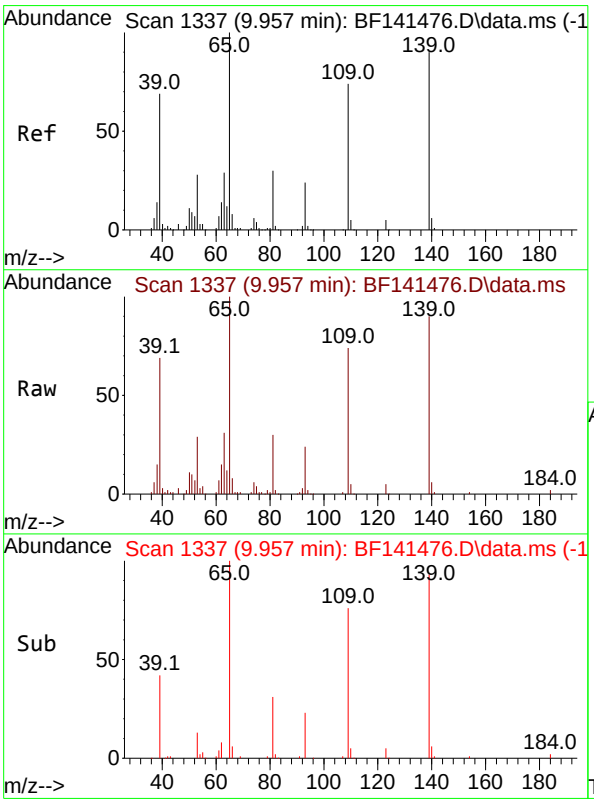
#55
Dibenzofuran
Concen: 39.775 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 647242

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.5	10.8	16.2

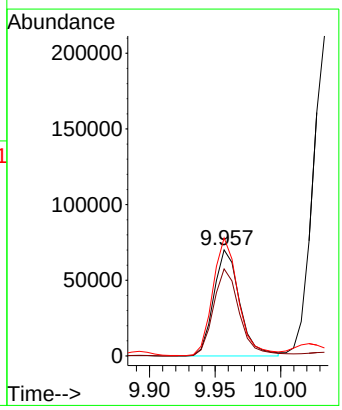


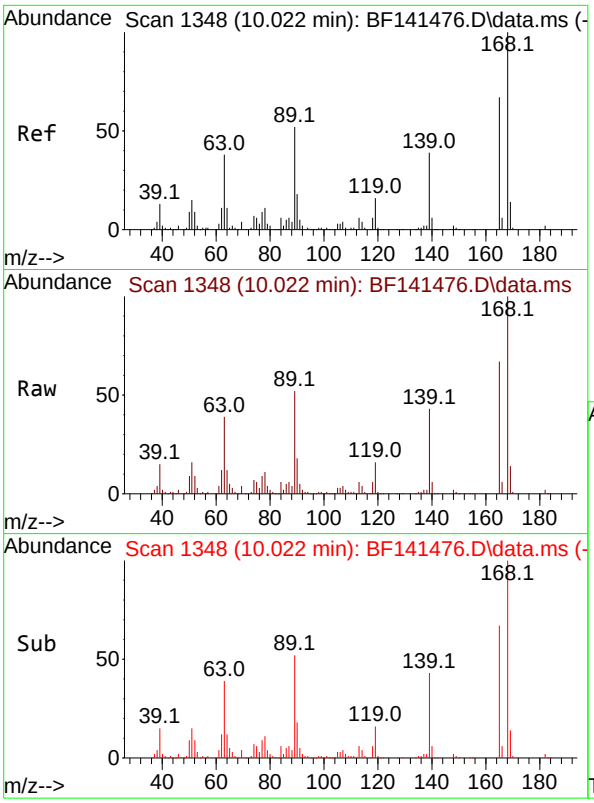


#56
4-Nitrophenol
Concen: 42.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:139 Resp: 96456

Ion	Ratio	Lower	Upper
139	100		
109	82.0	62.0	102.0
65	111.2	91.2	131.2



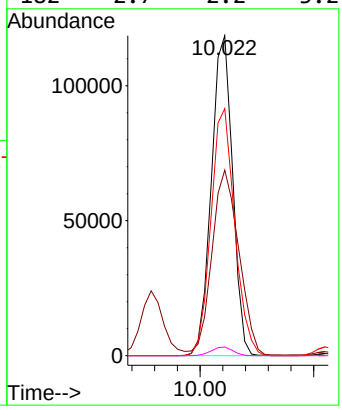


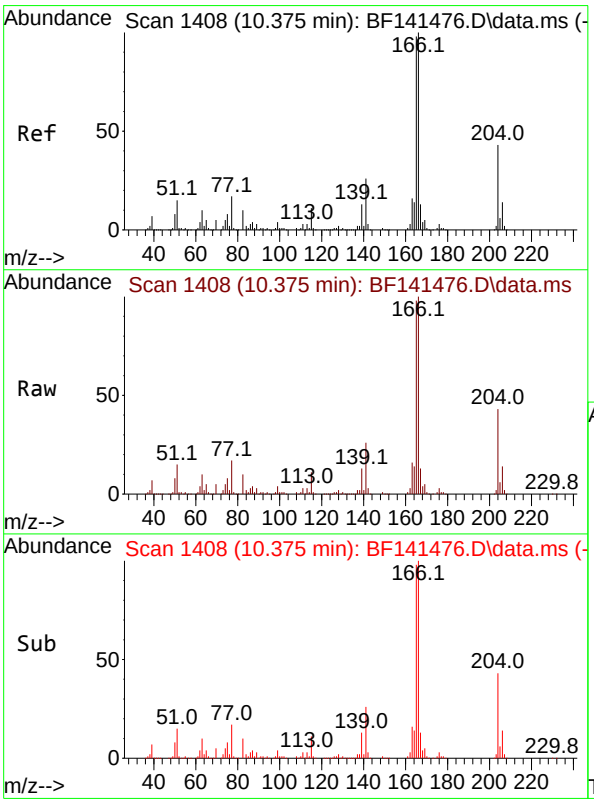
#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 153824

Ion	Ratio	Lower	Upper
165	100		
63	58.0	46.4	69.6
89	77.2	61.8	92.6
182	2.7	2.2	3.2

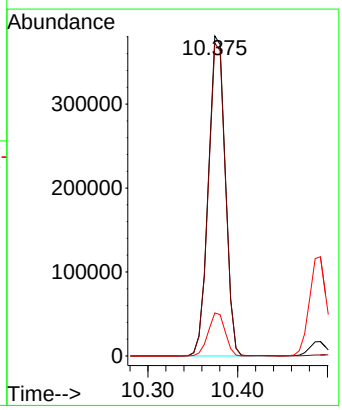


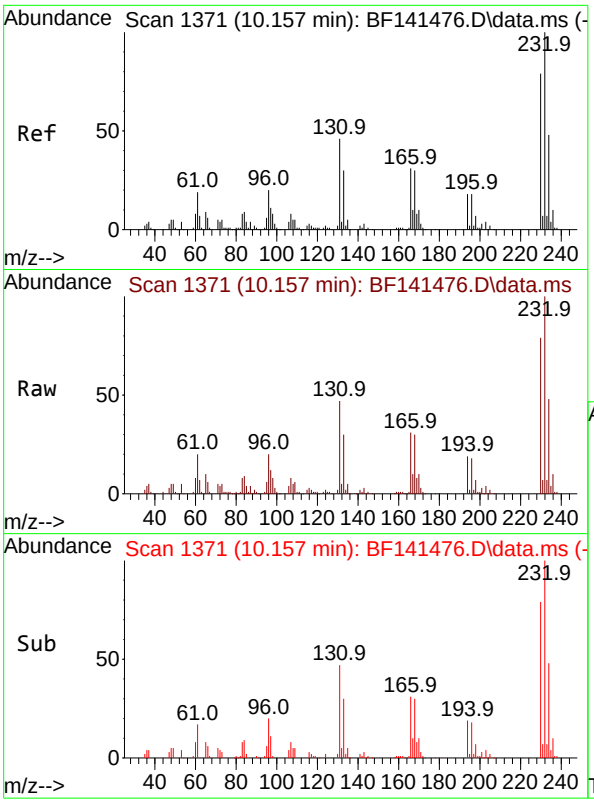


#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:166 Resp: 498929

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.4	10.7	16.1



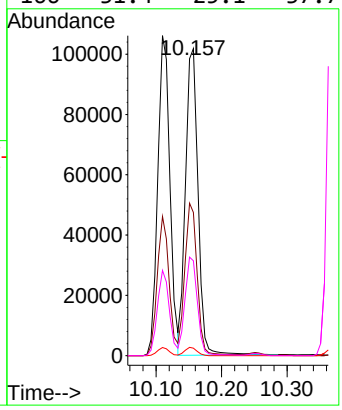


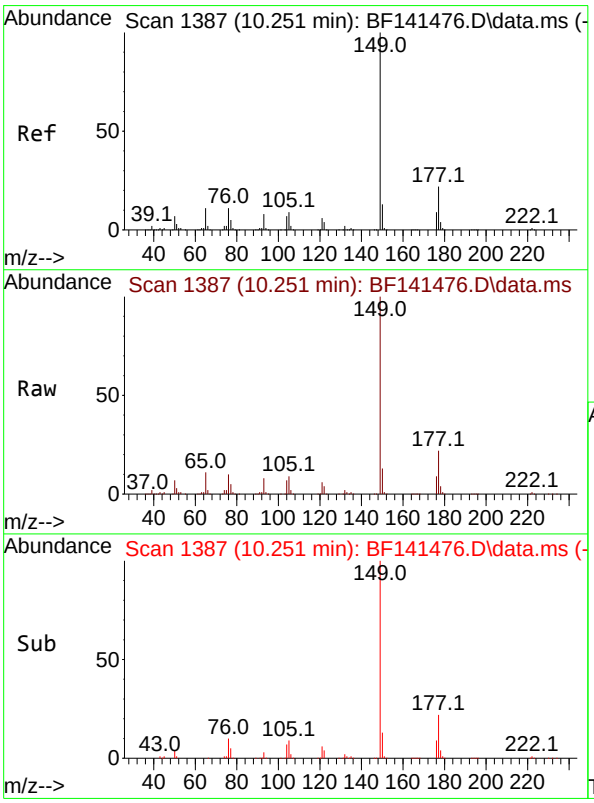
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 134581

Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.2	58.8
130	2.6	2.1	3.1
166	31.4	25.1	37.7

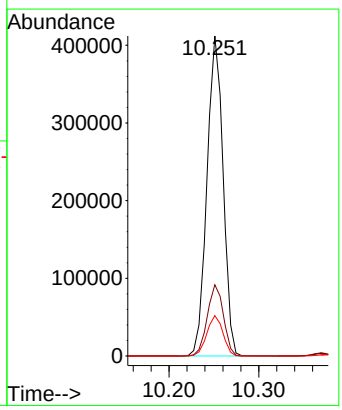


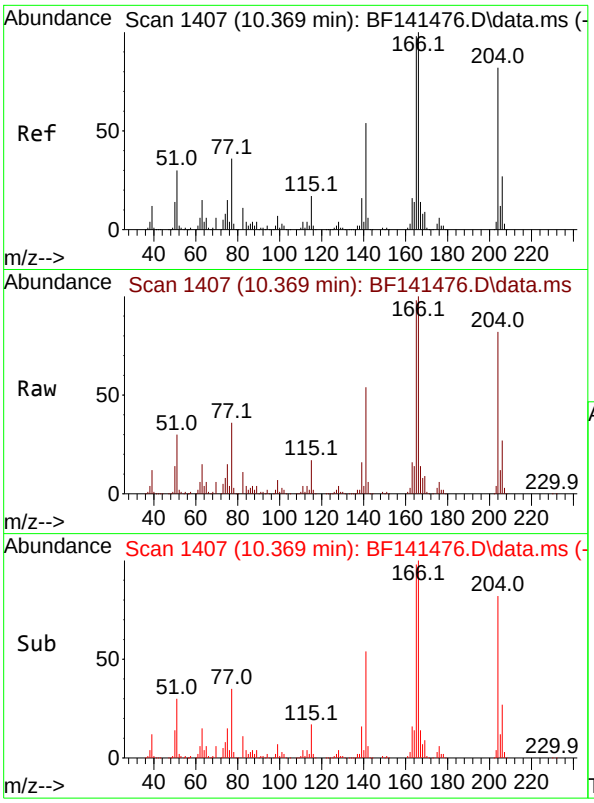


#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 514358

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.6	10.1	15.1



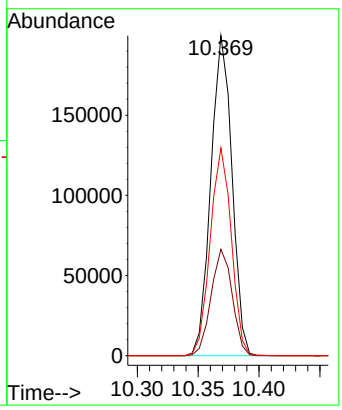


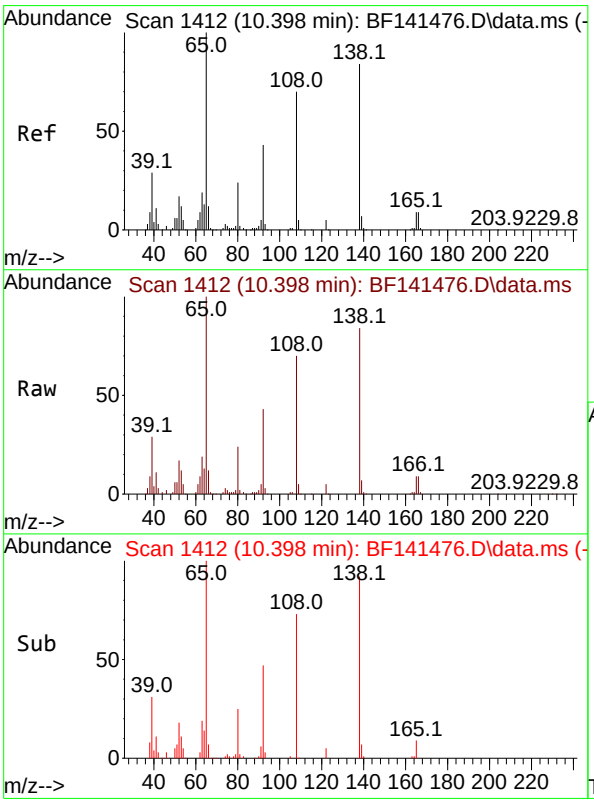
#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 240707

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	64.9	51.9	77.9

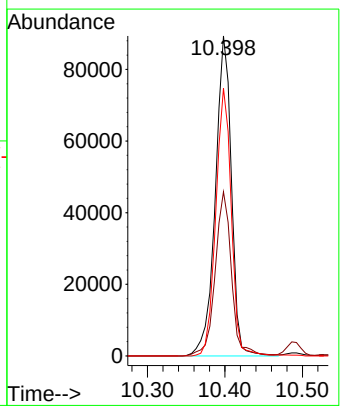


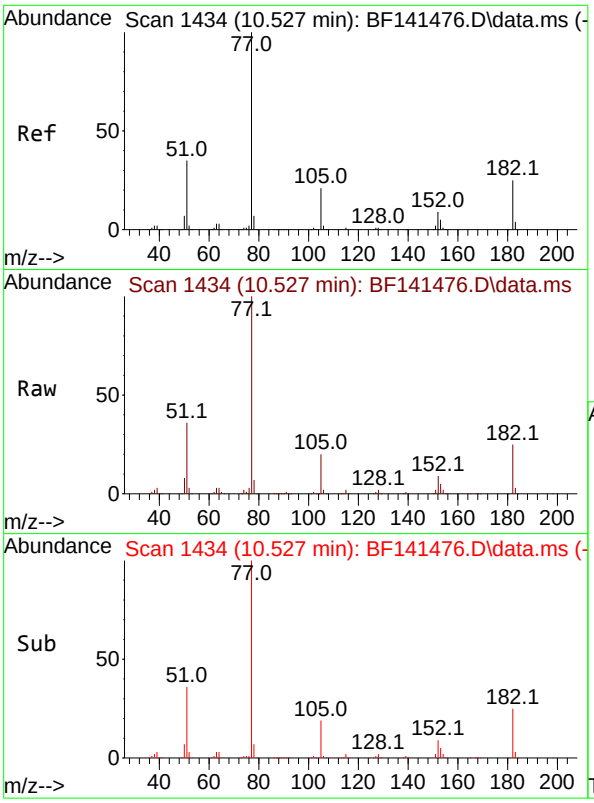


#62
4-Nitroaniline
Concen: 41.253 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:138 Resp: 129392

Ion	Ratio	Lower	Upper
138	100		
92	51.3	31.3	71.3
108	83.7	63.7	103.7



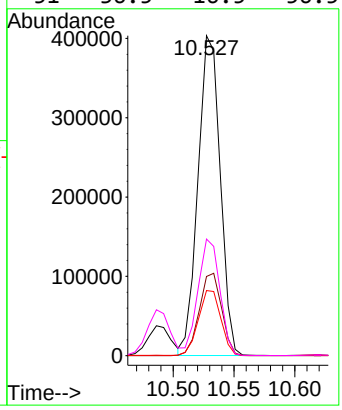


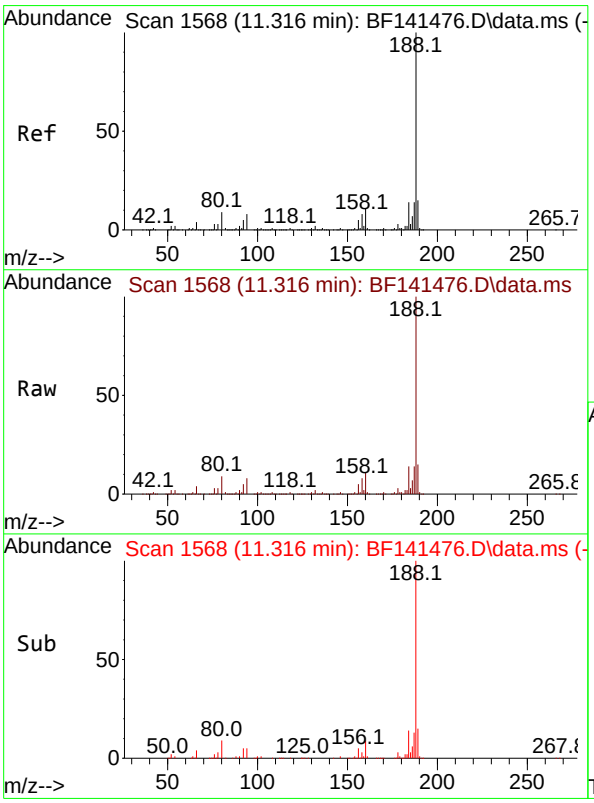
#63
Azobenzene
Concen: 39.926 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 512692

Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.7	44.7
105	20.4	0.4	40.4
51	36.5	16.5	56.5

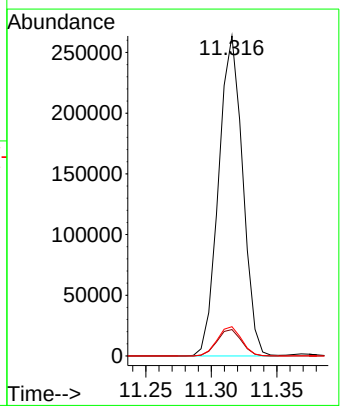


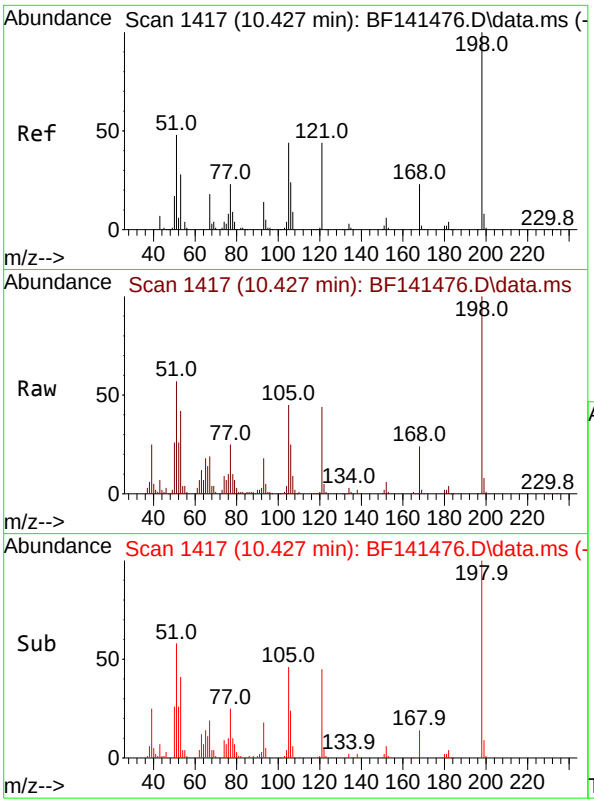


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:188 Resp: 336425

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.1	7.3	10.9



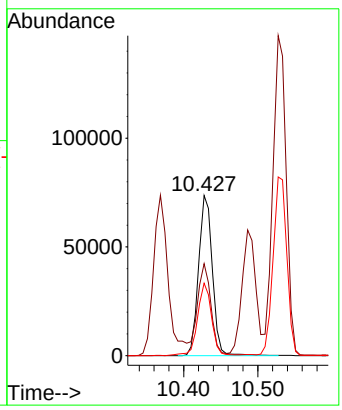


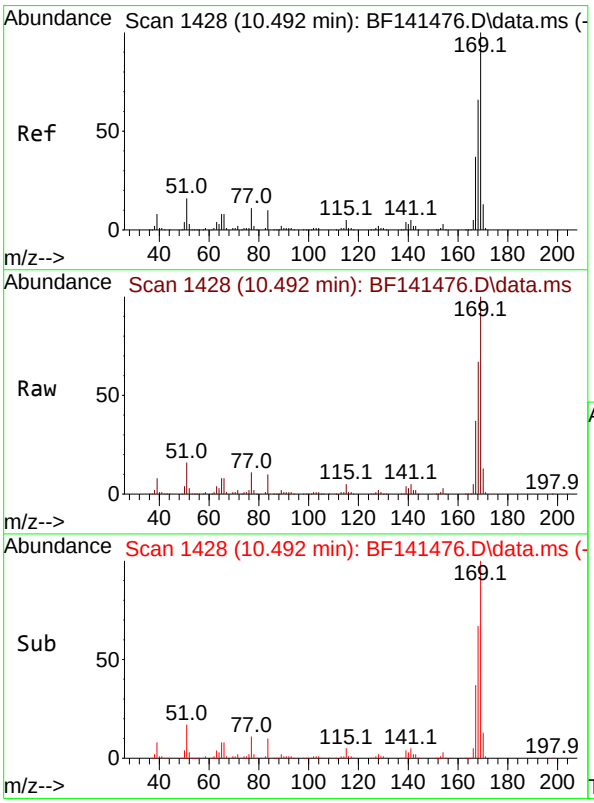
#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 95521

Ion	Ratio	Lower	Upper
198	100		
51	57.4	37.4	77.4
105	45.2	25.2	65.2

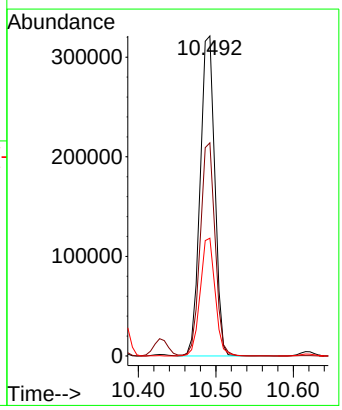


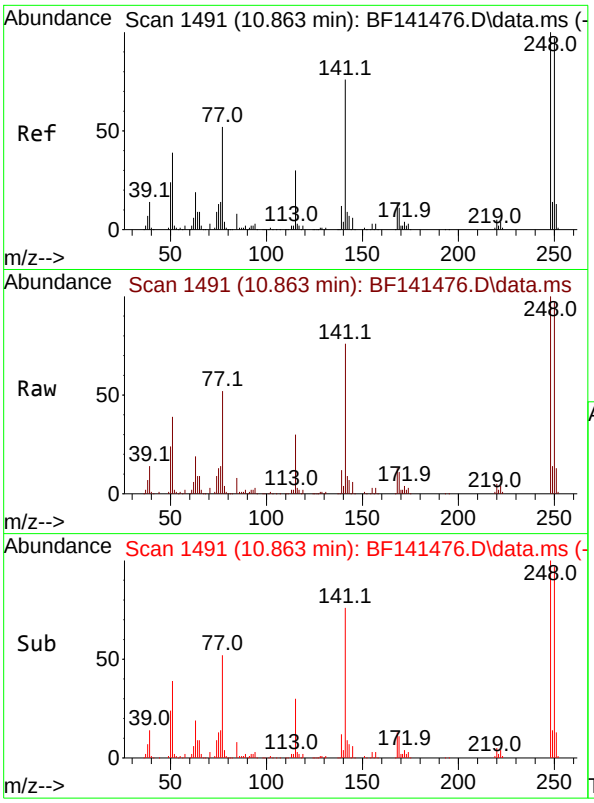


#66
n-Nitrosodiphenylamine
Concen: 39.180 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:169 Resp: 421937

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.3	79.9
167	36.8	29.4	44.2



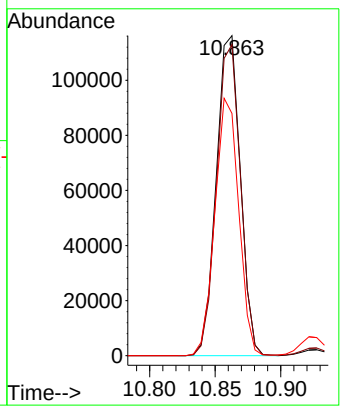


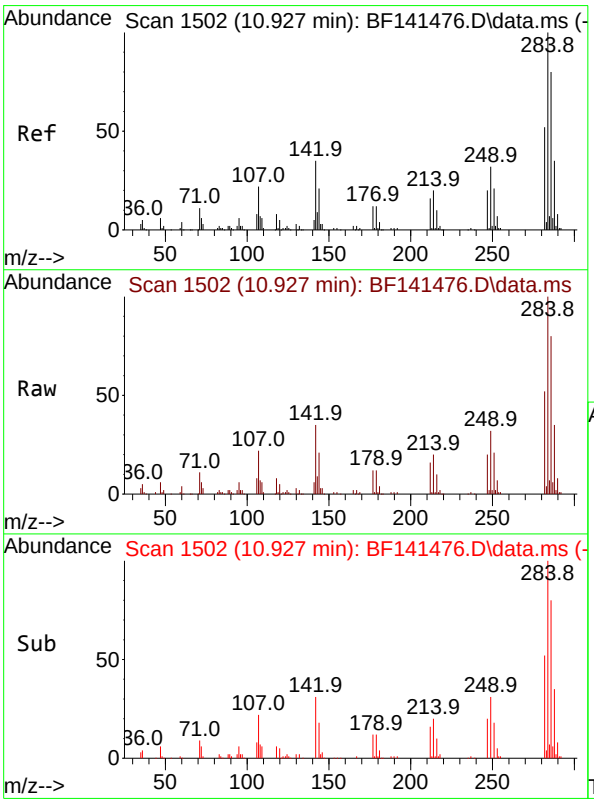
#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 148603

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.6
141	75.7	60.6	90.8

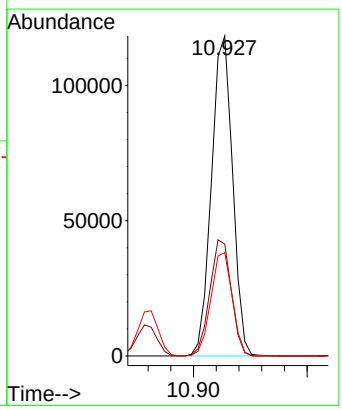


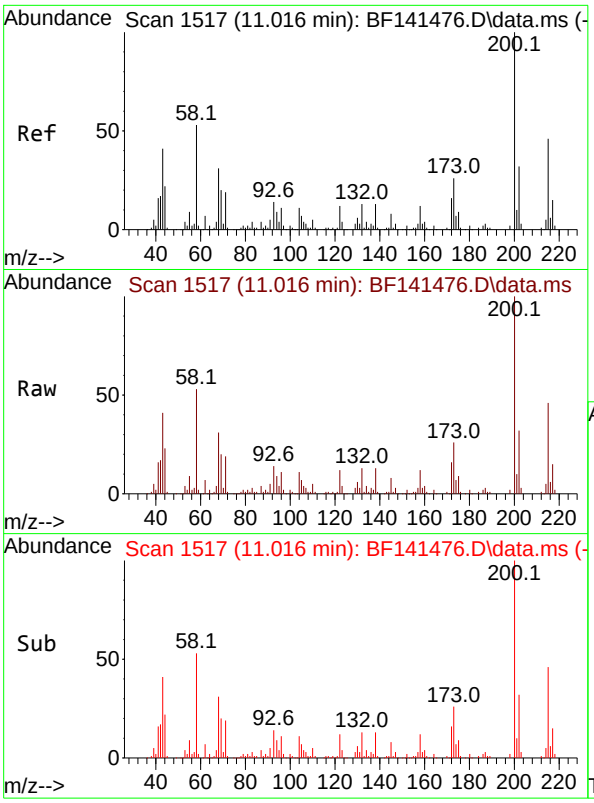


#68
Hexachlorobenzene
Concen: 39.430 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:284 Resp: 152664

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.0	42.0
249	32.3	25.8	38.8



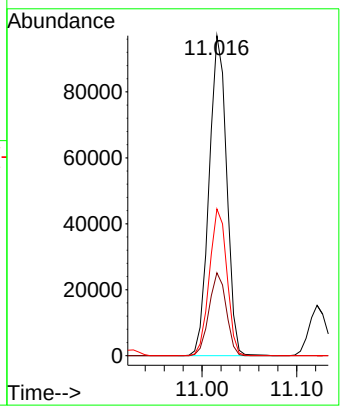


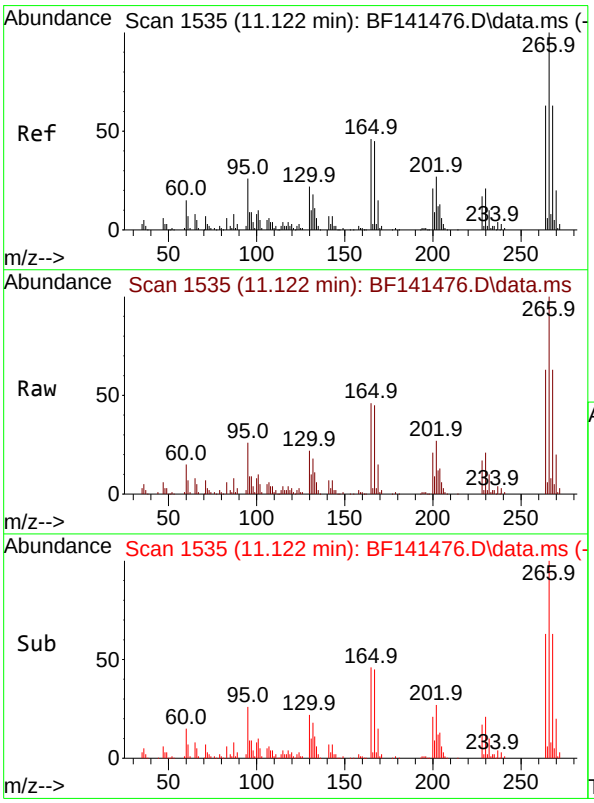
#69
Atrazine
Concen: 38.533 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 124494

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	45.9	25.9	65.9

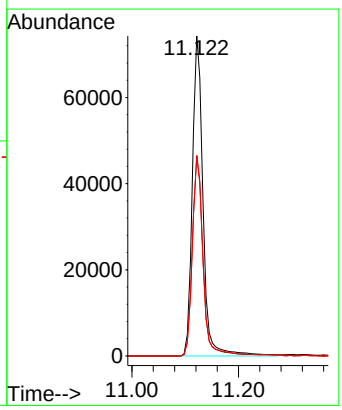


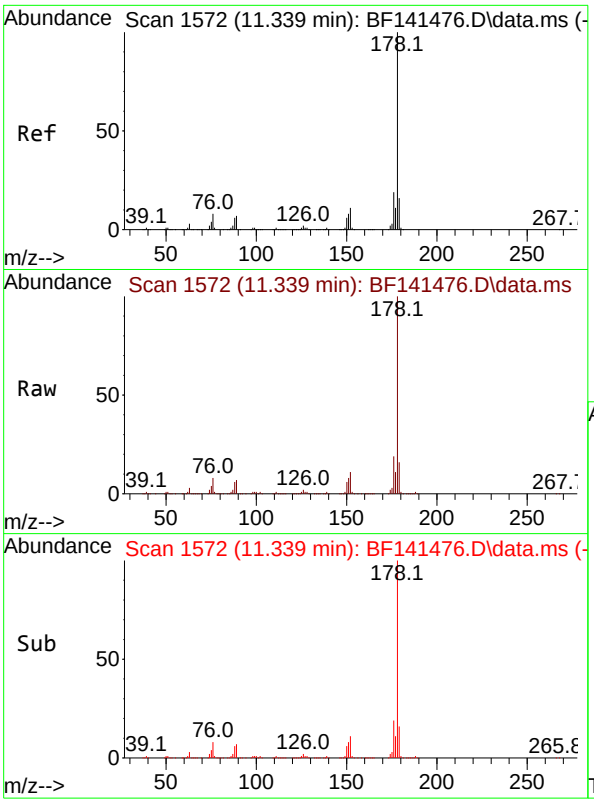


#70
Pentachlorophenol
Concen: 41.930 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:266 Resp: 103806

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.1	75.1
264	62.6	50.1	75.1



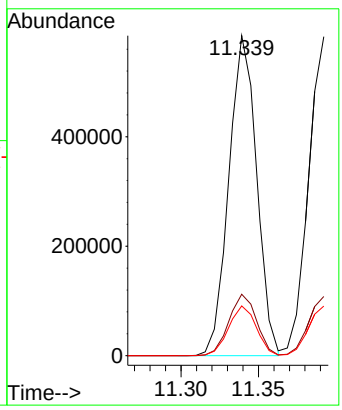


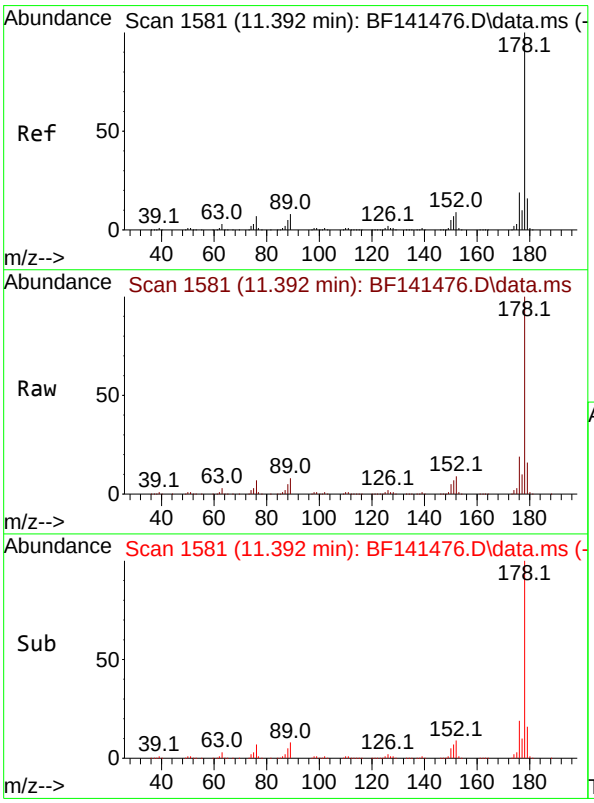
#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 729585

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.4	18.6

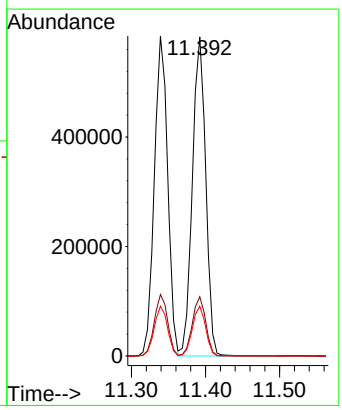


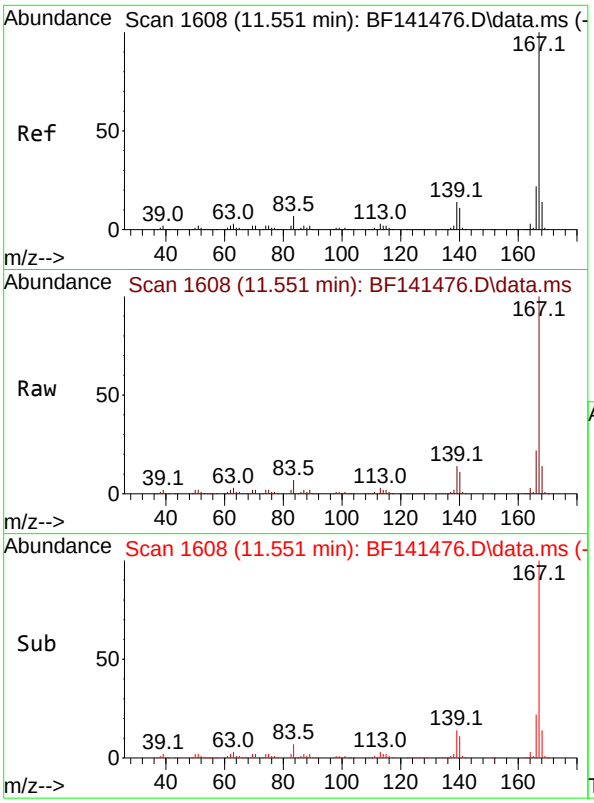


#72
Anthracene
Concen: 39.125 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:178 Resp: 728337

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6



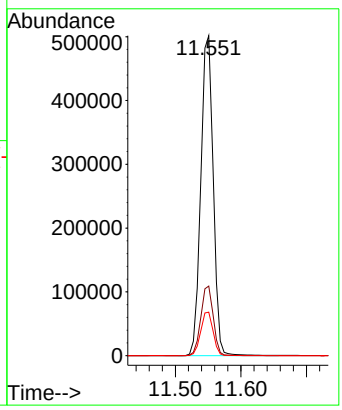


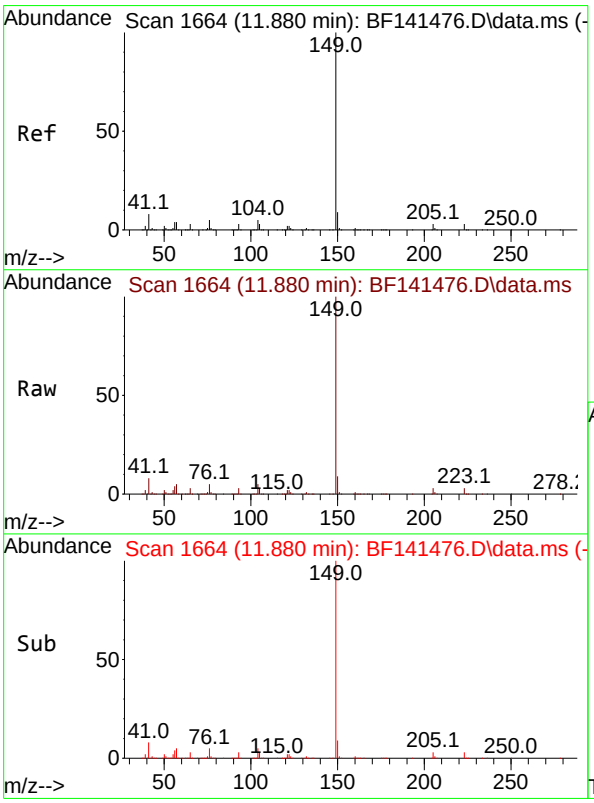
#73
Carbazole
Concen: 39.613 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 663523

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.6	10.9	16.3

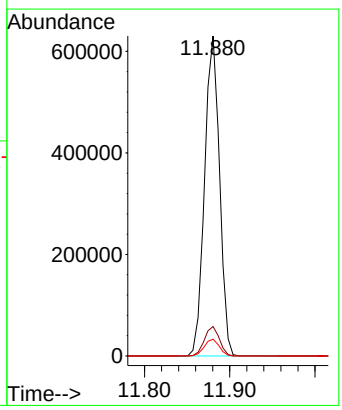


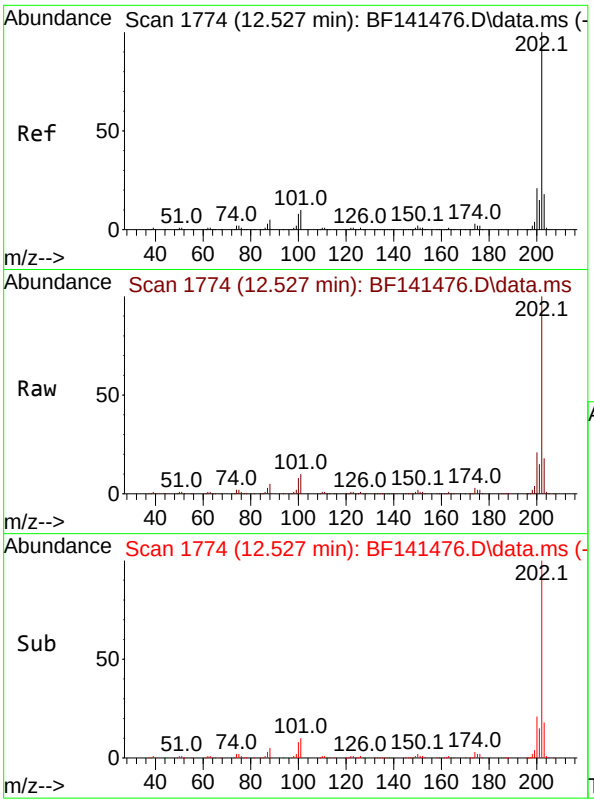


#74
Di-n-butylphthalate
Concen: 39.706 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 767961

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.2	4.2	6.2



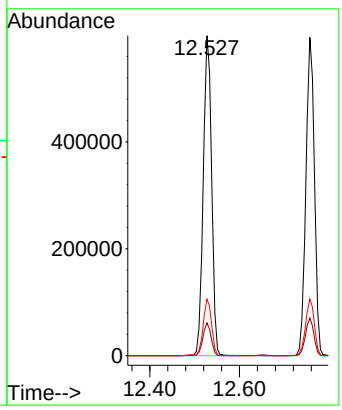


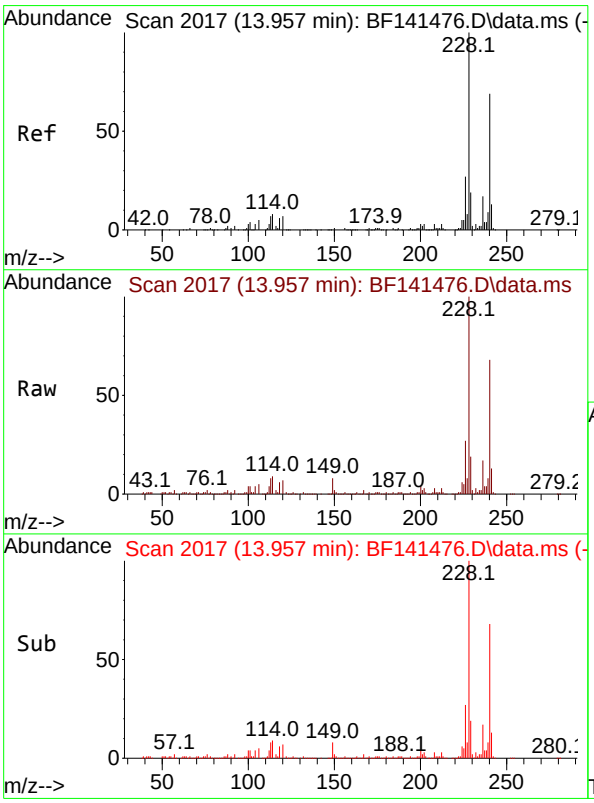
#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 774369

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6

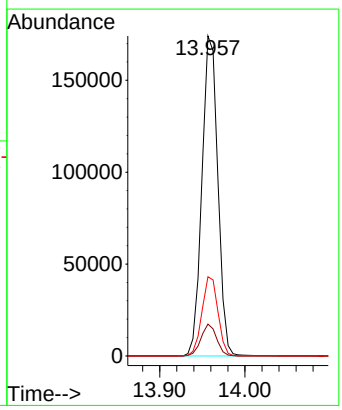


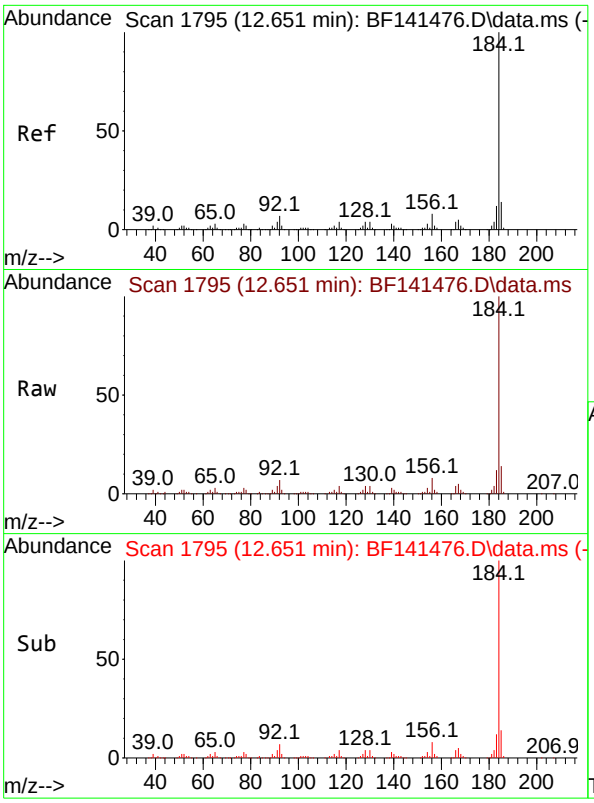


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:240 Resp: 225462

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.8	19.8	29.8



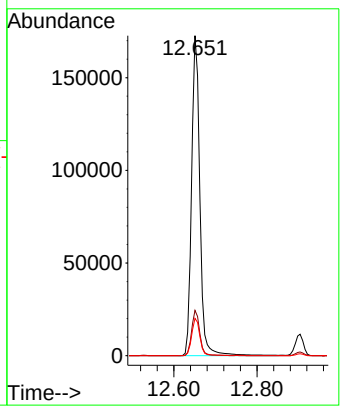


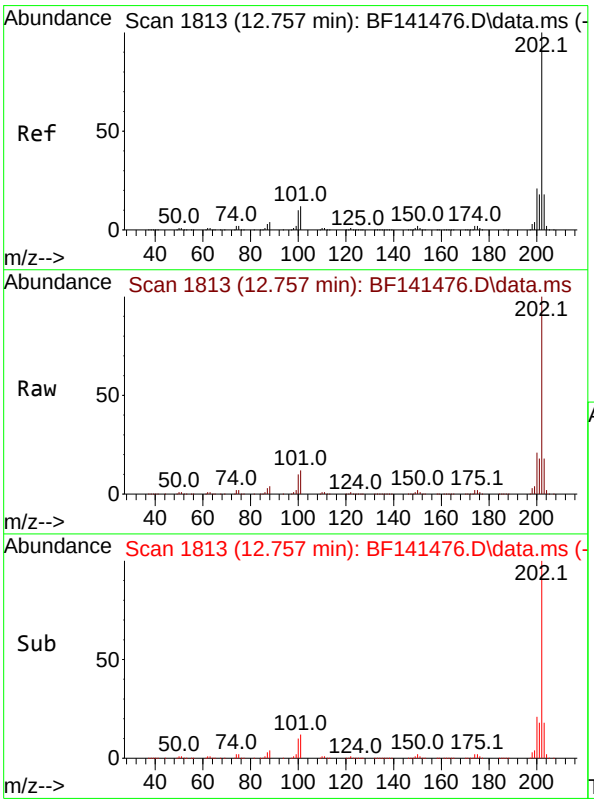
#77
Benzidine
Concen: 47.917 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 238261

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.6	9.3	13.9

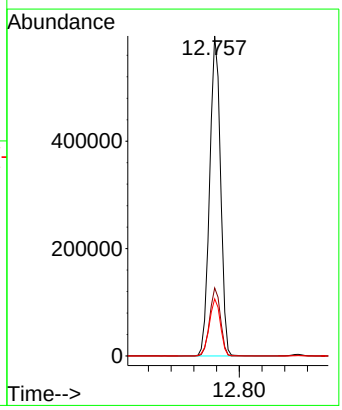


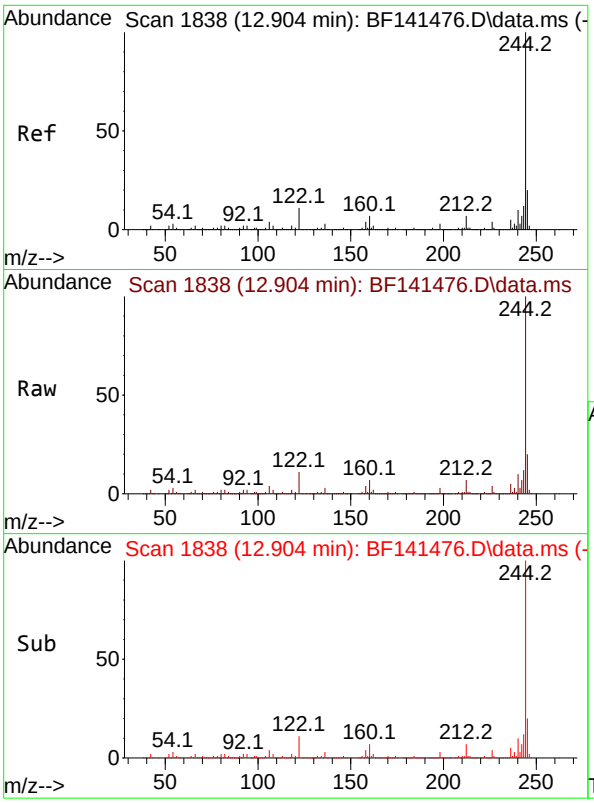


#78
Pyrene
Concen: 41.002 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:202 Resp: 786956

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



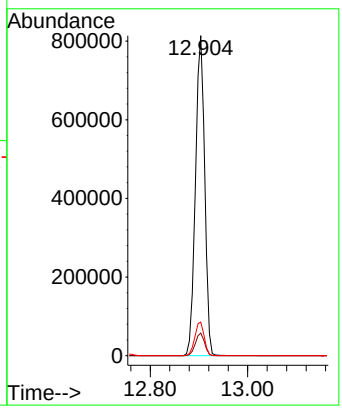


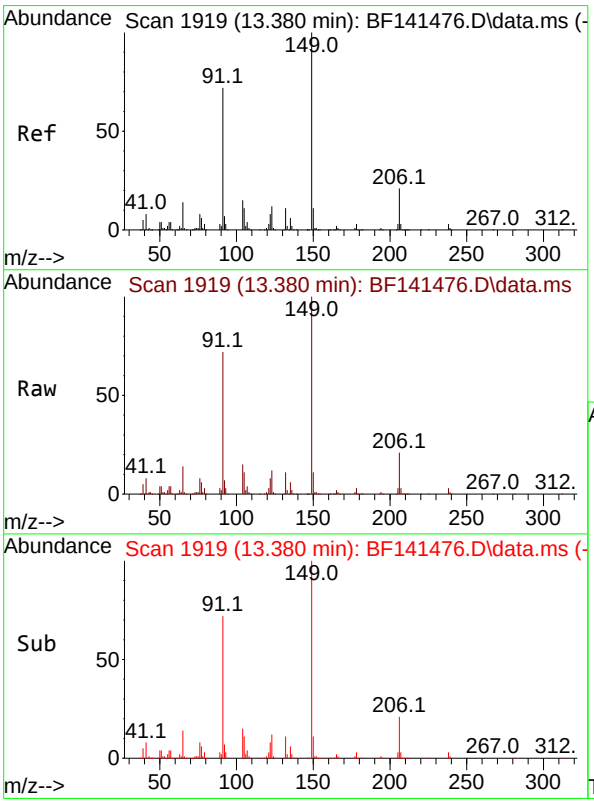
#79
Terphenyl-d14
Concen: 80.879 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1080174

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.5	8.4	12.6

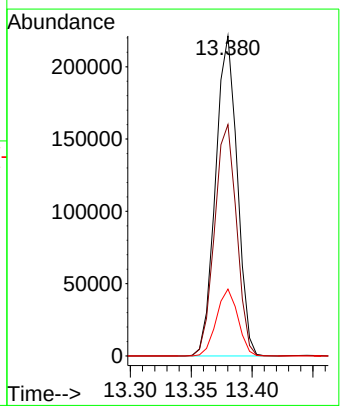


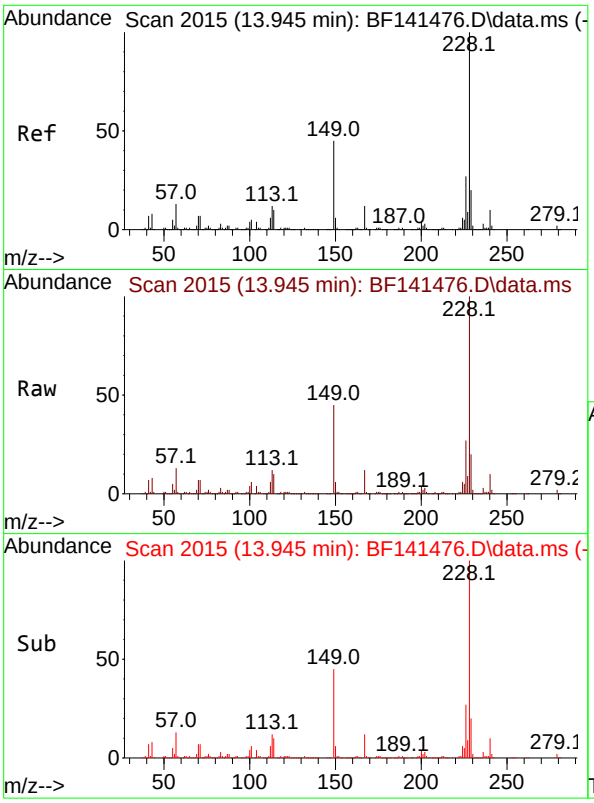


#80
Butylbenzylphthalate
Concen: 41.323 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 274711

Ion	Ratio	Lower	Upper
149	100		
91	72.3	57.8	86.8
206	20.9	16.7	25.1



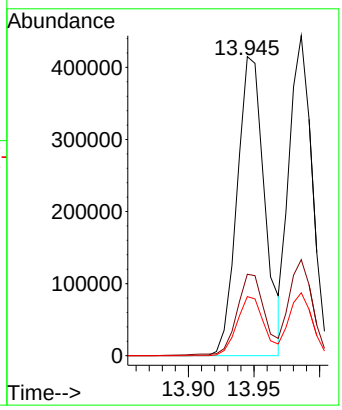


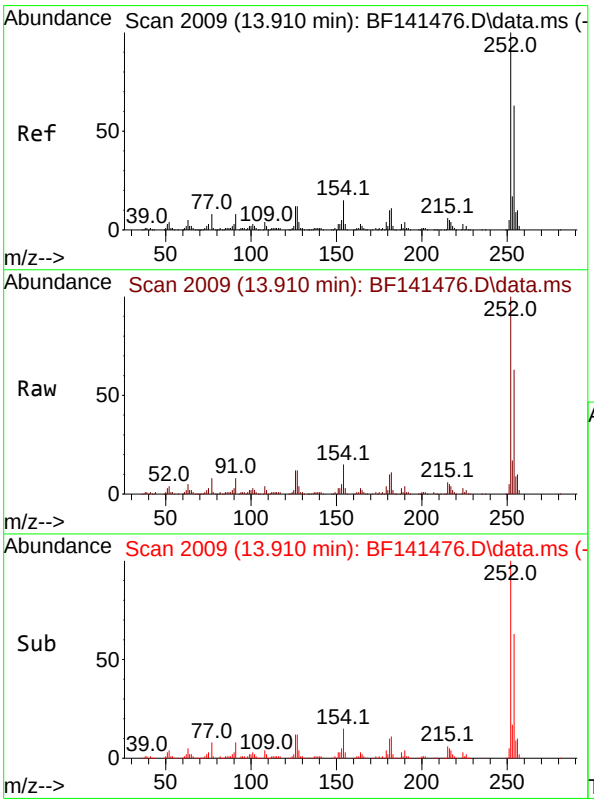
#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 606669

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.8	23.6

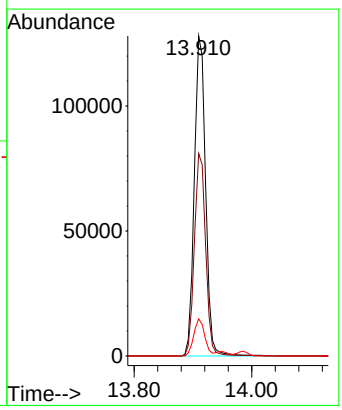


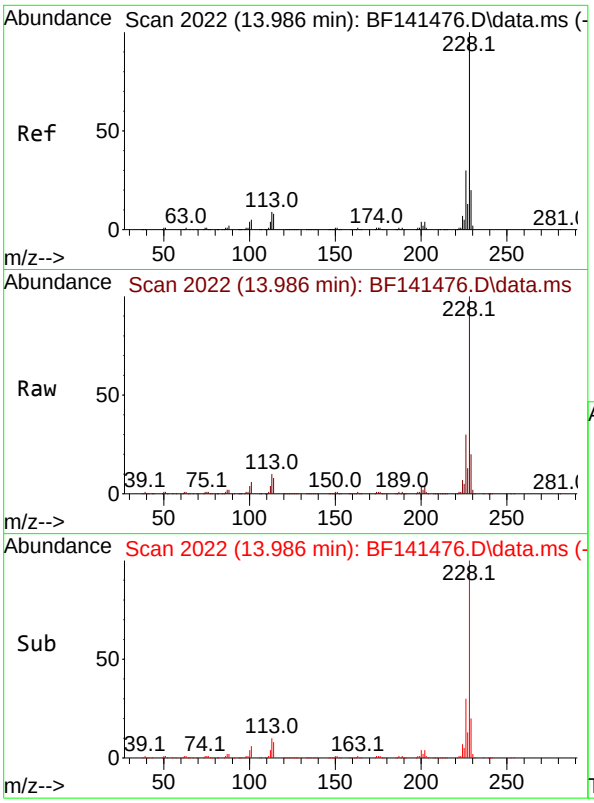


#82
3,3'-Dichlorobenzidine
Concen: 39.640 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 170181

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.6	76.0
126	11.6	9.3	13.9



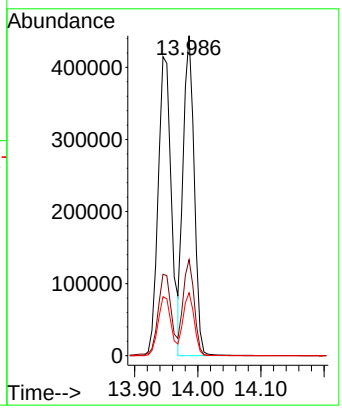


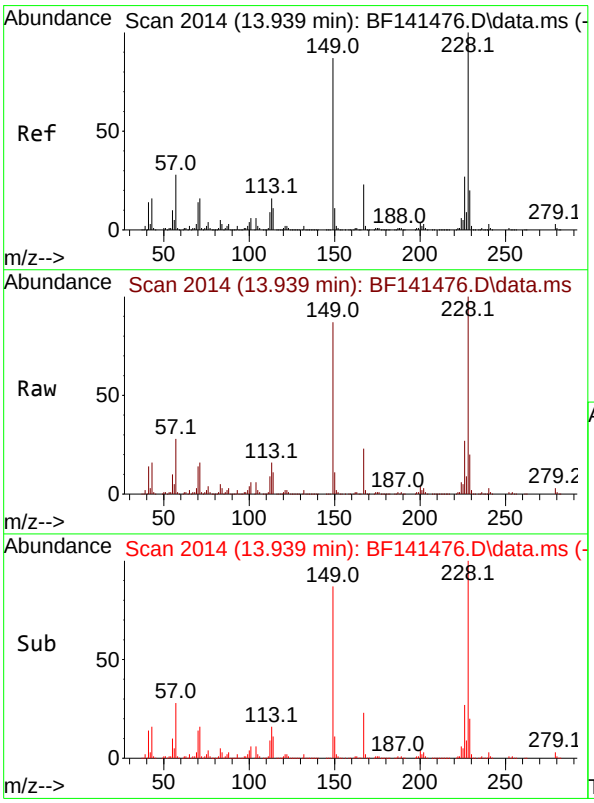
#83
Chrysene
Concen: 39.121 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 541376

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.6	15.7	23.5

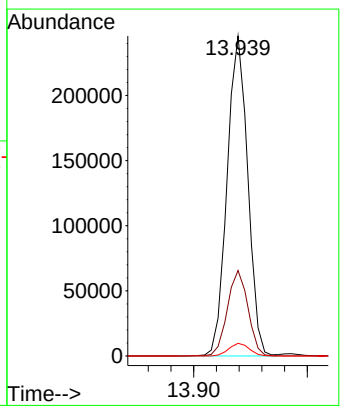


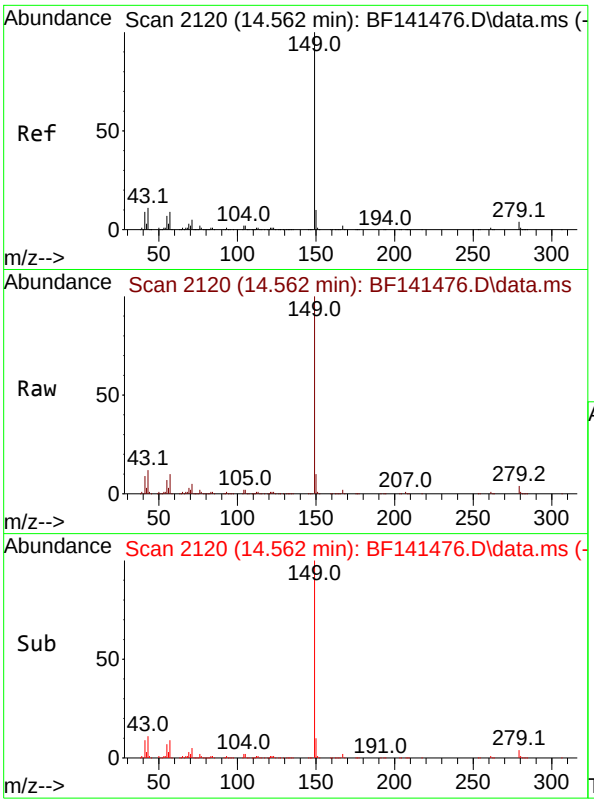


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.438 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:149 Resp: 310696

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	3.9	3.1	4.7



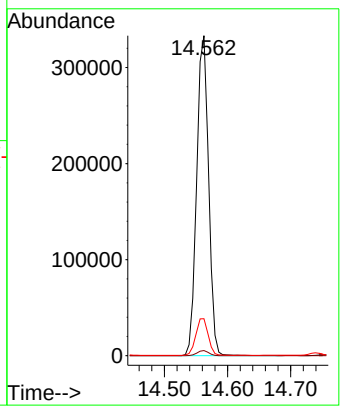


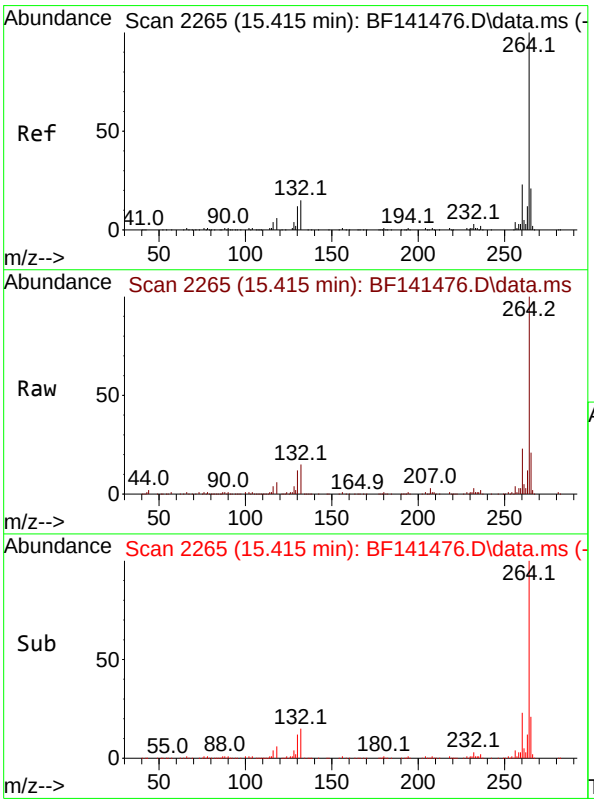
#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 435142

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3

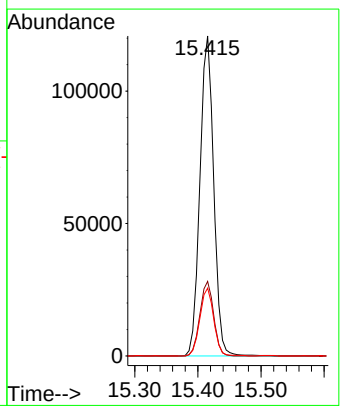


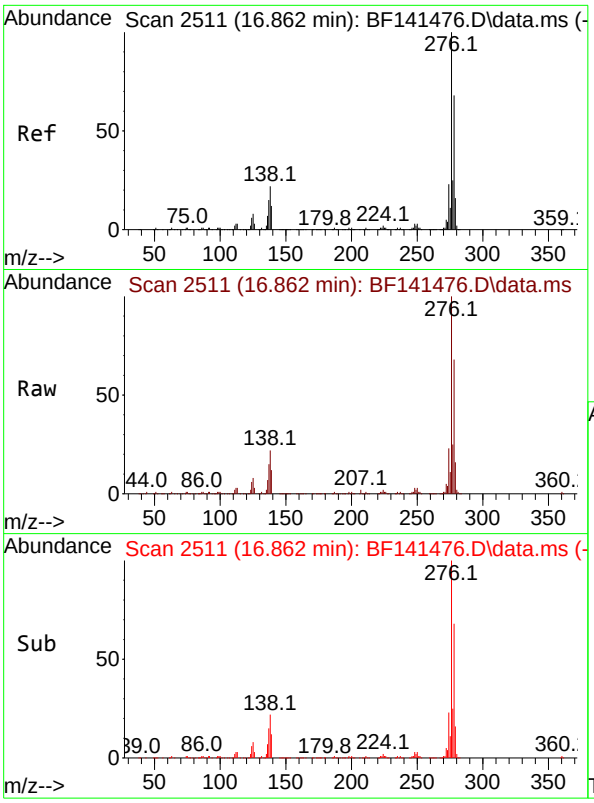


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:264 Resp: 182907

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.4



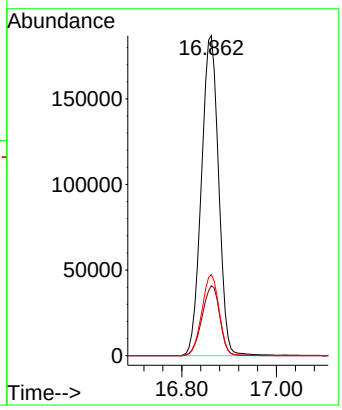


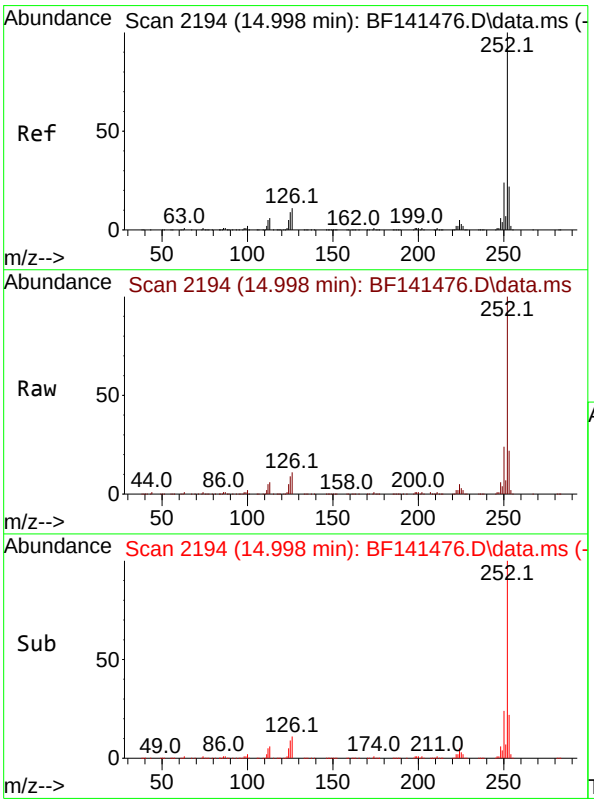
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.699 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 471272

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.0	27.0
277	25.5	20.4	30.6

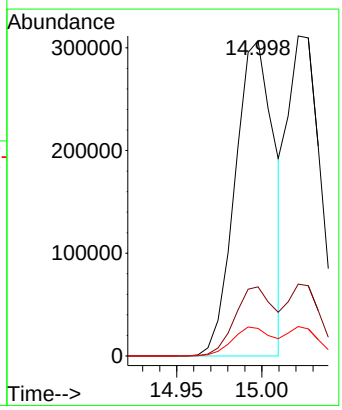


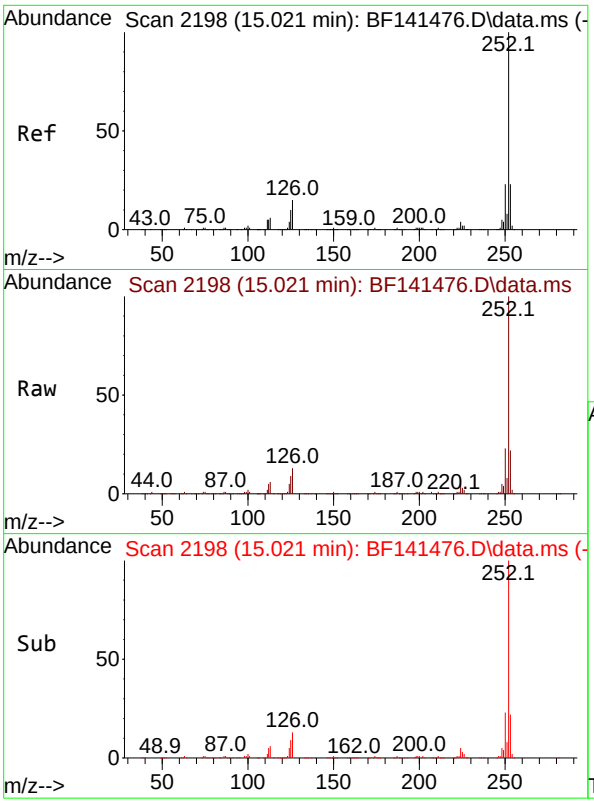


#88
Benzo(b)fluoranthene
Concen: 39.783 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 488585

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.8	7.0	10.6



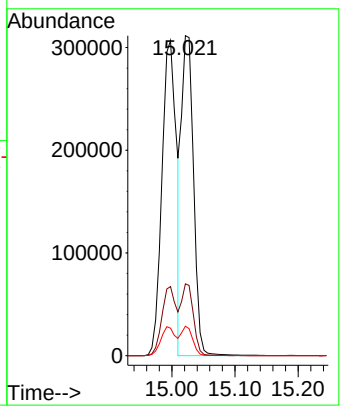


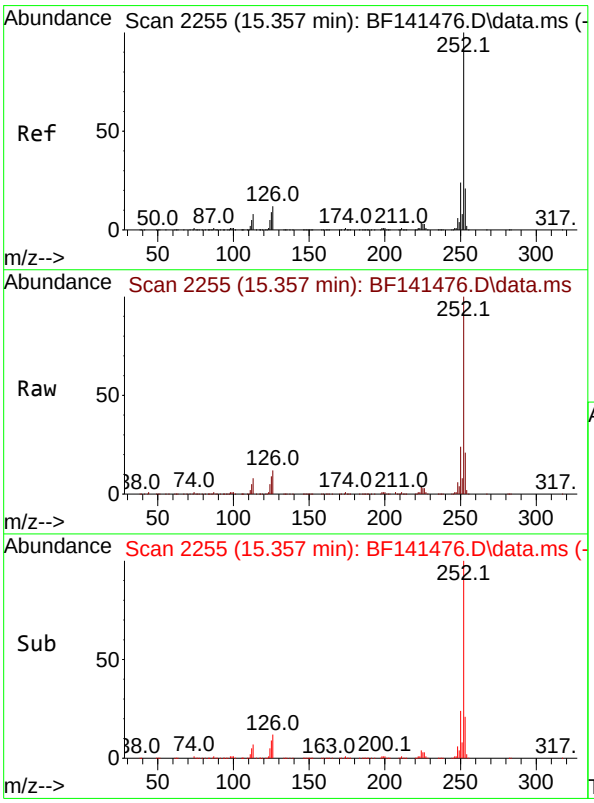
#89
Benzo(k)fluoranthene
Concen: 39.836 ng
RT: 15.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 417770

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	9.2	7.4	11.0

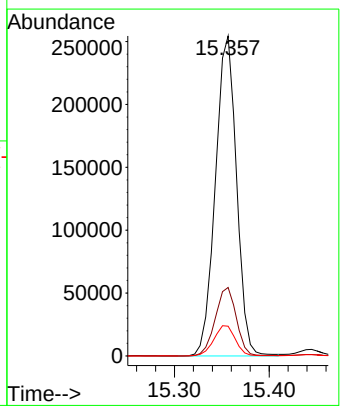


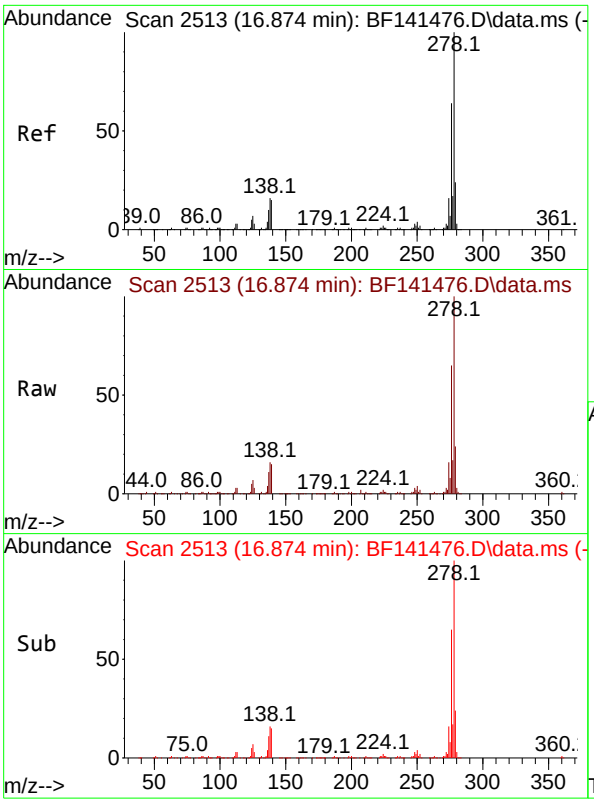


#90
Benzo(a)pyrene
Concen: 39.767 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 395193

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.3	7.4	11.2



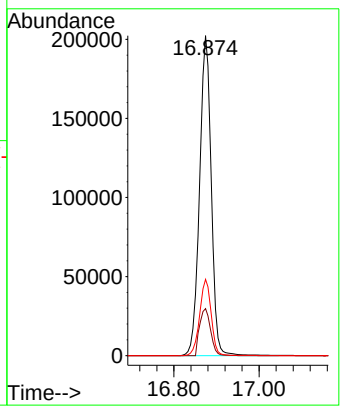


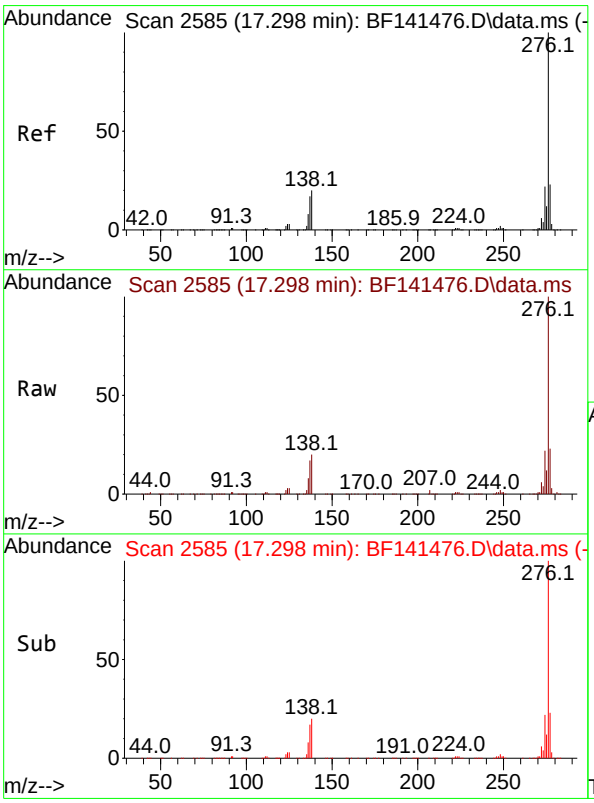
#91
Dibenzo(a,h)anthracene
Concen: 42.001 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 384623

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.8	17.6
279	23.9	19.1	28.7

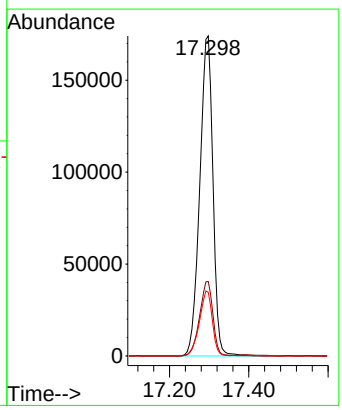




#92
Benzo(g,h,i)perylene
Concen: 41.992 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:276 Resp: 402413

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	19.9	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	87860	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347298	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	190523	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	323702	20.000	ng	0.00
76) Chrysene-d12	13.963	240	205879	20.000	ng	0.00
86) Perylene-d12	15.415	264	174906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	559309	99.801	ng	0.00
7) Phenol-d6	6.434	99	702435	99.168	ng	0.00
23) Nitrobenzene-d5	7.357	82	657106	98.686	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	189178	98.845	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1182292	95.605	ng	0.00
79) Terphenyl-d14	12.904	244	1244053	102.010	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	110258	48.882	ng	98
3) Pyridine	3.210	79	275985	51.419	ng	100
4) n-Nitrosodimethylamine	3.169	42	183299	51.575	ng	97
6) Aniline	6.457	93	330719	49.774	ng	86
8) 2-Chlorophenol	6.581	128	300380	49.604	ng	98
9) Benzaldehyde	6.340	77	164133	43.605	ng	99
10) Phenol	6.445	94	364380	49.425	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	274892	49.643	ng	98
12) 1,3-Dichlorobenzene	6.728	146	316493	49.506	ng	98
13) 1,4-Dichlorobenzene	6.810	146	321786	49.264	ng	98
14) 1,2-Dichlorobenzene	6.963	146	296834	48.964	ng	99
15) Benzyl Alcohol	6.934	79	274040	50.451	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	465332	49.091	ng	97
17) 2-Methylphenol	7.051	107	232571	49.081	ng	100
18) Hexachloroethane	7.298	117	122071	50.498	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	207915	49.072	ng	98
20) 3+4-Methylphenols	7.204	107	295179	49.011	ng	96
22) Acetophenone	7.204	105	419759	48.588	ng	99
24) Nitrobenzene	7.375	77	320155	49.308	ng	100
25) Isophorone	7.616	82	521533	49.123	ng	99
26) 2-Nitrophenol	7.692	139	164623	50.962	ng	96
27) 2,4-Dimethylphenol	7.734	122	189037	50.093	ng	98
28) bis(2-Chloroethoxy)met...	7.822	93	336274	49.430	ng	100
29) 2,4-Dichlorophenol	7.939	162	251518	49.328	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	270897	48.788	ng	99
31) Naphthalene	8.098	128	878692	48.605	ng	100
32) Benzoic acid	7.863	122	202728	51.719	ng	99
33) 4-Chloroaniline	8.151	127	312251	49.471	ng	99
34) Hexachlorobutadiene	8.210	225	163240	48.971	ng	99
35) Caprolactam	8.522	113	76350	49.180	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	280911	49.736	ng	99
37) 2-Methylnaphthalene	8.786	142	572244	48.643	ng	99
38) 1-Methylnaphthalene	8.886	142	553503	48.579	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	266614	48.369	ng	98
41) Hexachlorocyclopentadiene	8.939	237	97674	53.276	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	177503	49.825	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

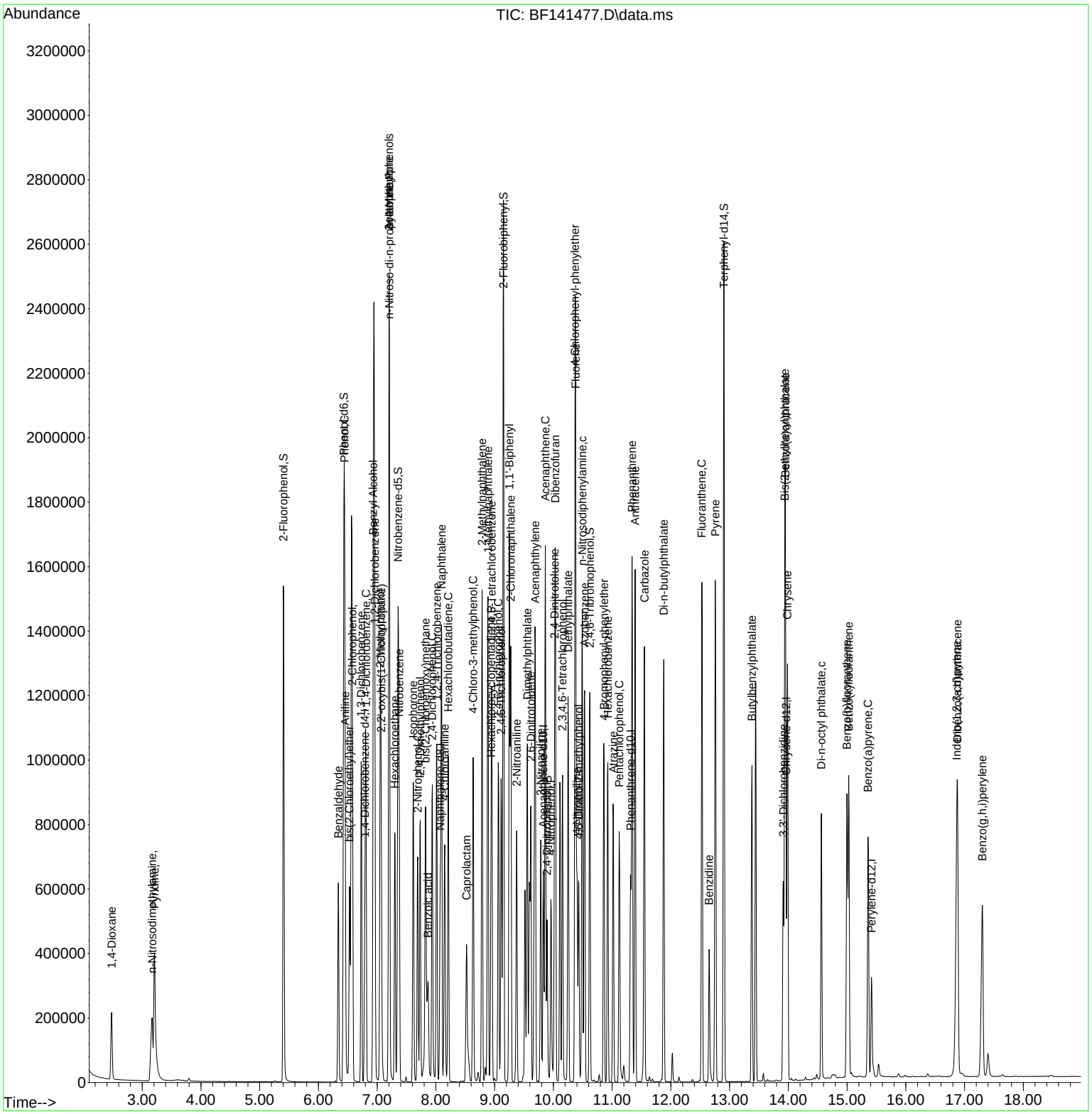
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	187902	48.667	ng	96
46) 1,1'-Biphenyl	9.251	154	722373	48.905	ng	100
47) 2-Chloronaphthalene	9.275	162	530577	48.576	ng	100
48) 2-Nitroaniline	9.375	65	181860	49.612	ng	99
49) Acenaphthylene	9.692	152	790730	48.672	ng	99
50) Dimethylphthalate	9.557	163	630673	48.760	ng	99
51) 2,6-Dinitrotoluene	9.616	165	140697	49.760	ng	98
52) Acenaphthene	9.863	154	527828	48.327	ng	100
53) 3-Nitroaniline	9.786	138	152426	50.087	ng	99
54) 2,4-Dinitrophenol	9.892	184	87953	52.339	ng	97
55) Dibenzofuran	10.033	168	777905	48.523	ng	100
56) 4-Nitrophenol	9.957	139	118835	52.603	ng	99
57) 2,4-Dinitrotoluene	10.022	165	185741	49.346	ng	98
58) Fluorene	10.380	166	590000	47.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	165559	49.807	ng	98
60) Diethylphthalate	10.251	149	619064	48.647	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	286530	48.048	ng	99
62) 4-Nitroaniline	10.404	138	151765	49.113	ng	99
63) Azobenzene	10.533	77	616638	48.742	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	114725	51.021	ng	97
66) n-Nitrosodiphenylamine	10.492	169	505770	48.810	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	177761	49.135	ng	98
68) Hexachlorobenzene	10.927	284	180930	48.567	ng	98
69) Atrazine	11.022	200	149758	48.175	ng	98
70) Pentachlorophenol	11.122	266	128081	53.769	ng	99
71) Phenanthrene	11.339	178	866517	48.631	ng	100
72) Anthracene	11.392	178	877393	48.984	ng	99
73) Carbazole	11.551	167	781733	48.504	ng	100
74) Di-n-butylphthalate	11.880	149	915782	49.210	ng	100
75) Fluoranthene	12.527	202	913699	48.367	ng	100
77) Benzidine	12.651	184	222606	49.026	ng	99
78) Pyrene	12.757	202	913198	52.106	ng	100
80) Butylbenzylphthalate	13.380	149	310612	51.168	ng	99
81) Benzo(a)anthracene	13.951	228	673785	49.234	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	186802	47.650	ng	98
83) Chrysene	13.986	228	625572	49.505	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	350121	51.138	ng	100
85) Di-n-octyl phthalate	14.563	149	519741	53.213	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	586584	54.277	ng	99
88) Benzo(b)fluoranthene	14.998	252	590149	50.251	ng	99
89) Benzo(k)fluoranthene	15.027	252	469466	46.814	ng	100
90) Benzo(a)pyrene	15.357	252	467288	49.173	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	477285	54.503	ng	99
92) Benzo(g,h,i)perylene	17.304	276	500274	54.592	ng	99

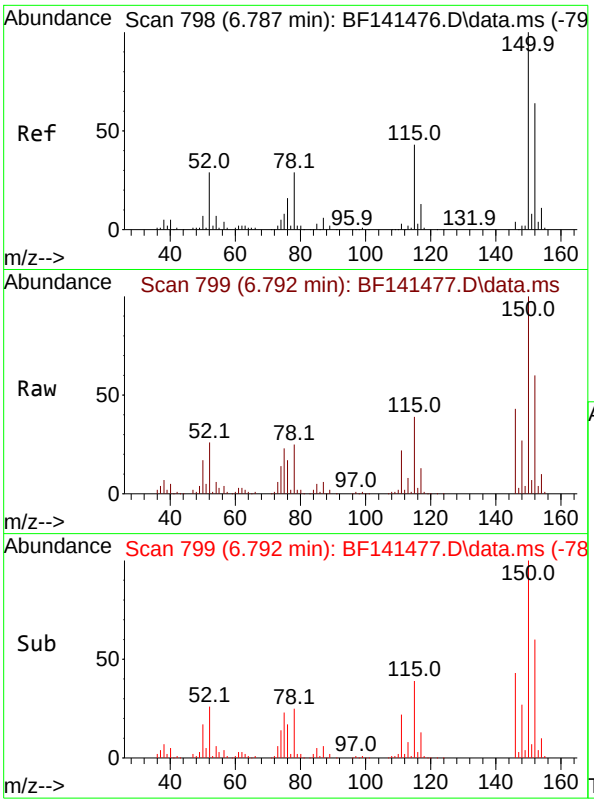
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141477.D
Acq On : 06 Feb 2025 13:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 06 16:00:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



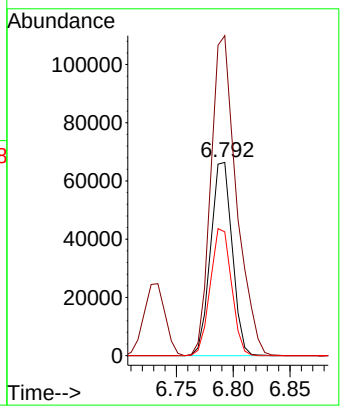


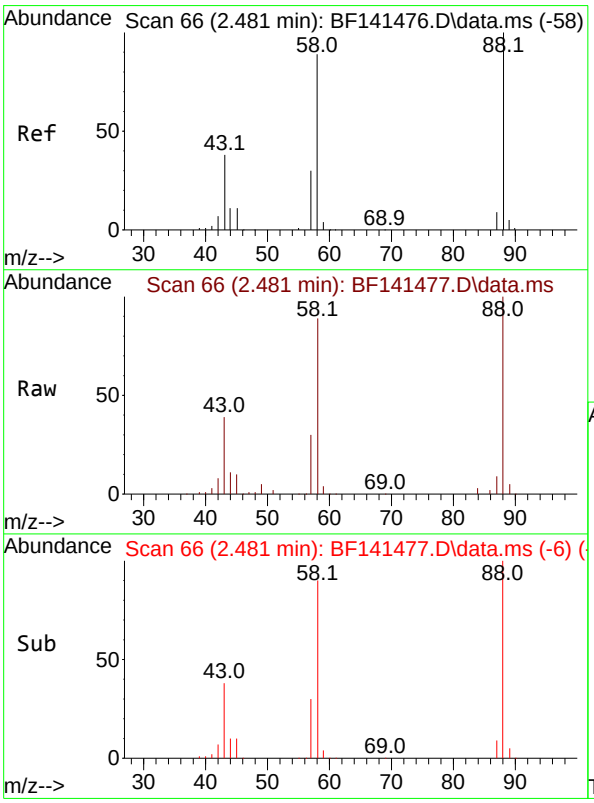
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 87860

Ion	Ratio	Lower	Upper
152	100		
150	165.6	125.0	187.4
115	64.1	53.6	80.4

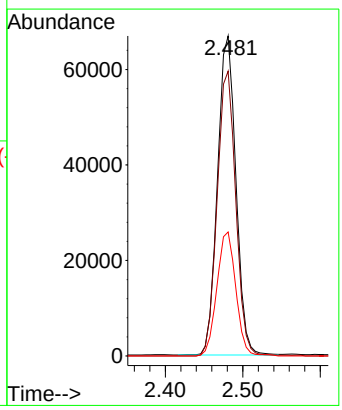


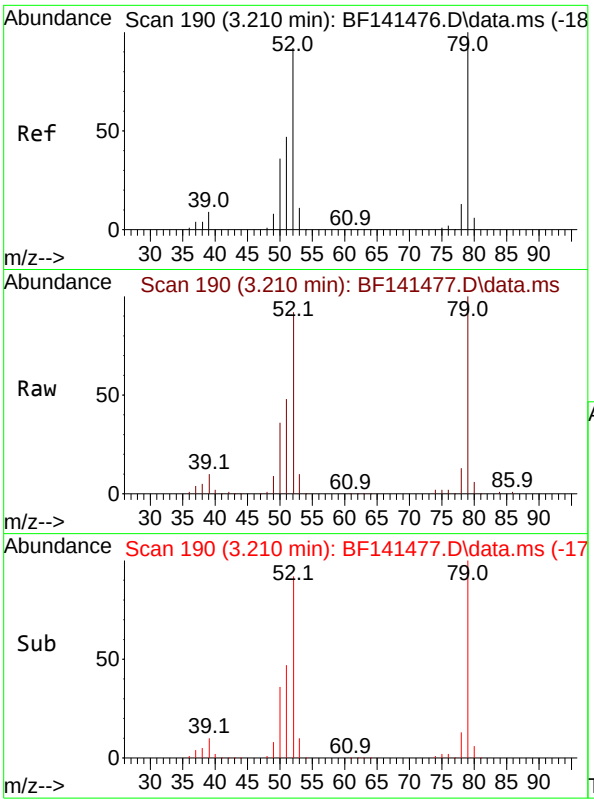


#2
1,4-Dioxane
Concen: 48.882 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 88 Resp: 110258

Ion	Ratio	Lower	Upper
88	100		
58	90.6	71.1	106.7
43	40.1	30.6	46.0



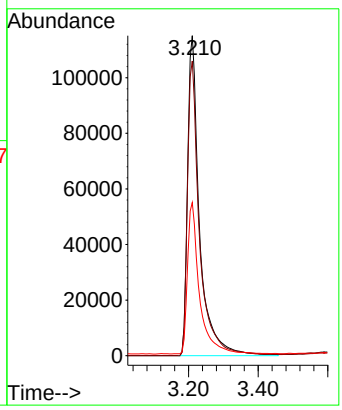


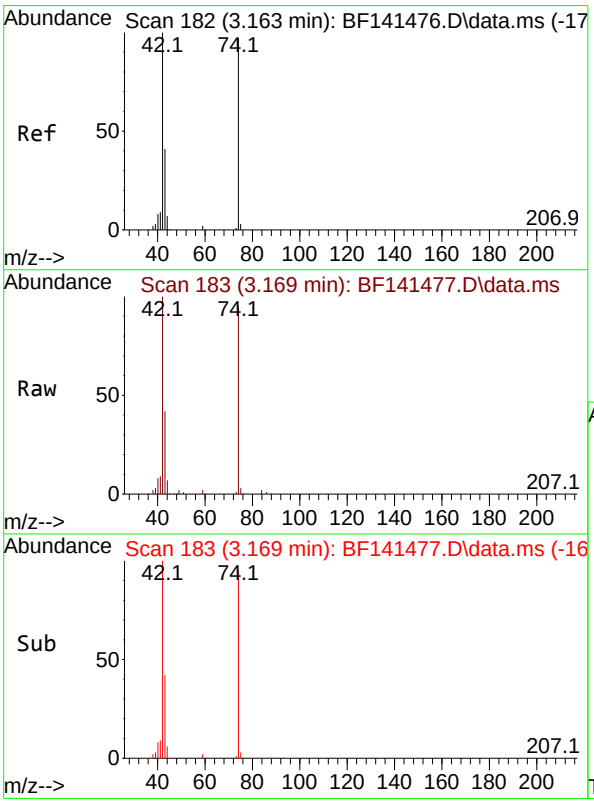
#3
Pyridine
Concen: 51.419 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 275985

Ion	Ratio	Lower	Upper
79	100		
52	92.1	73.7	110.5
51	47.9	37.5	56.3

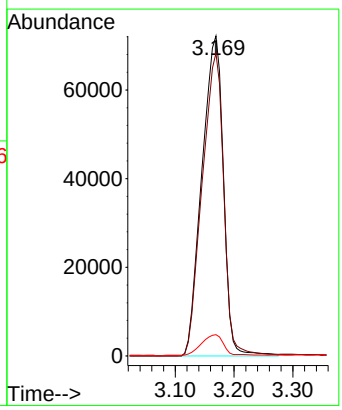


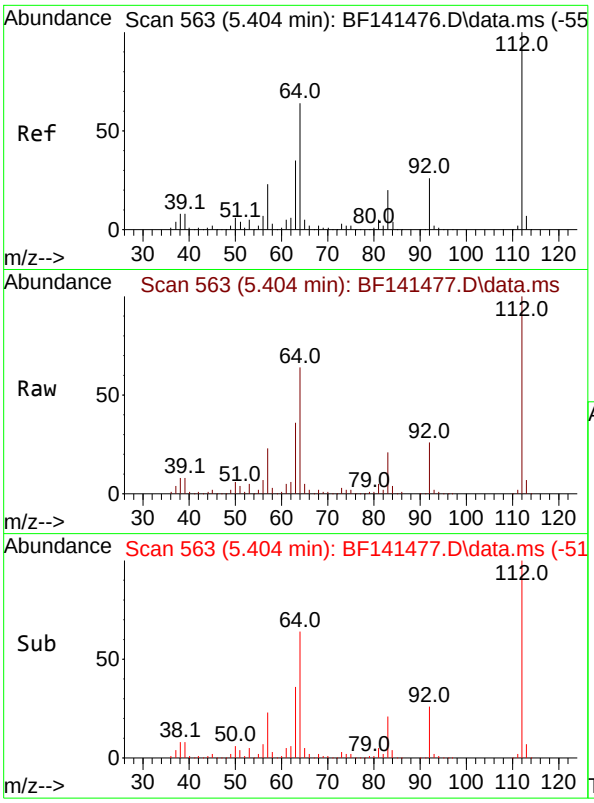


#4
n-Nitrosodimethylamine
Concen: 51.575 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.018 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 42 Resp: 183299

Ion	Ratio	Lower	Upper
42	100		
74	94.6	78.0	117.0
44	6.7	5.4	8.2



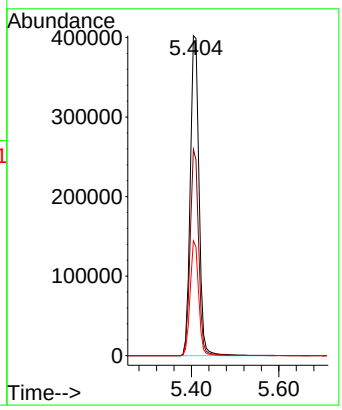


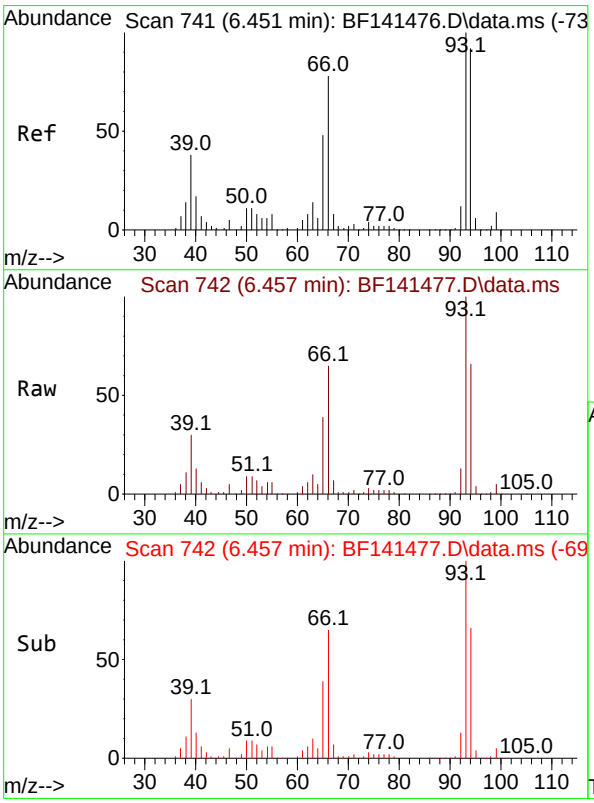
#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 559309

Ion	Ratio	Lower	Upper
112	100		
64	64.4	51.1	76.7
63	35.9	28.4	42.6

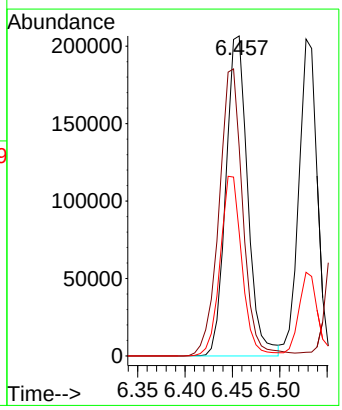


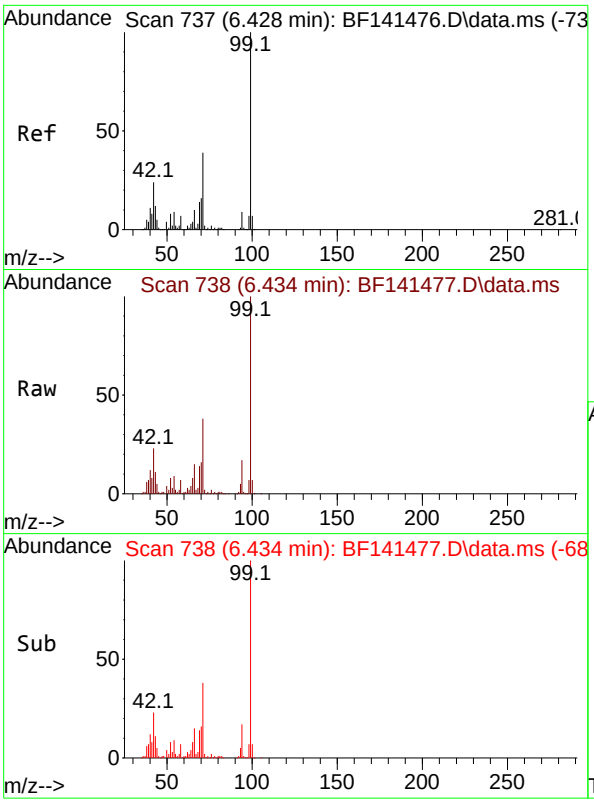


#6
Aniline
Concen: 49.774 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 330719

Ion	Ratio	Lower	Upper
93	100		
66	65.4	62.6	94.0
65	38.7	38.3	57.5



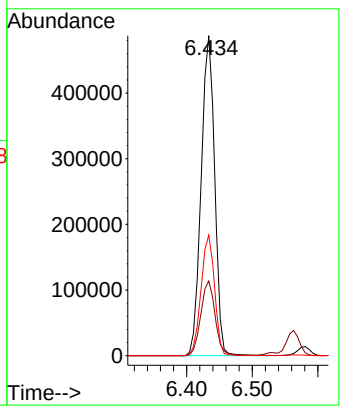


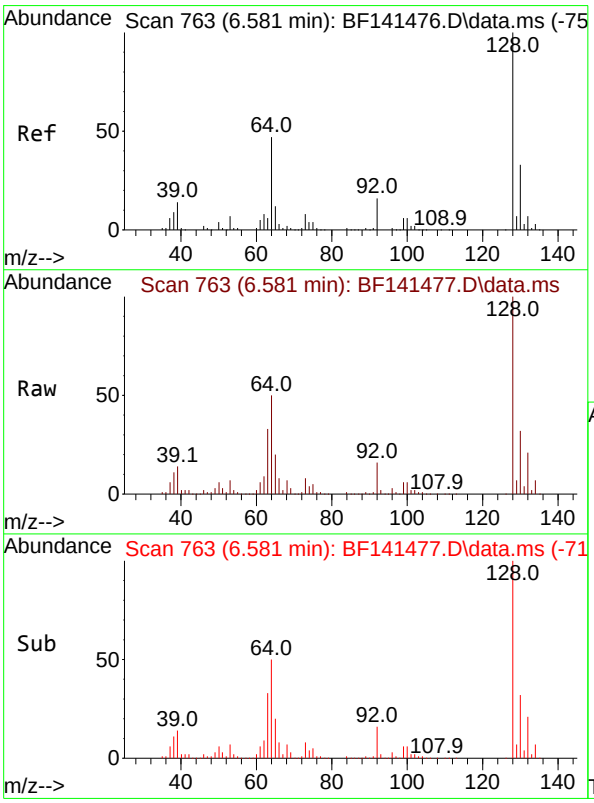
#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 702435

Ion	Ratio	Lower	Upper
99	100		
42	23.4	19.1	28.7
71	37.6	31.1	46.7

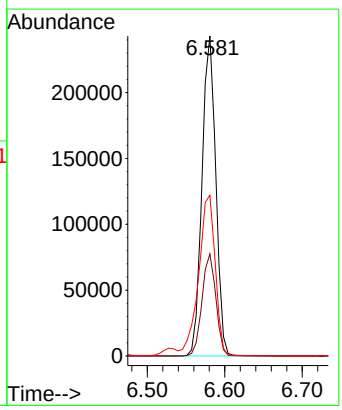


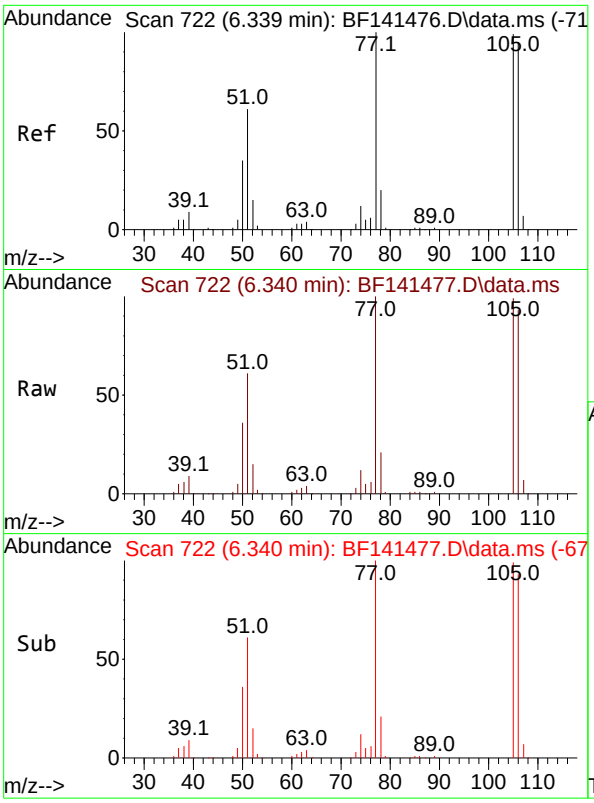


#8
2-Chlorophenol
Concen: 49.604 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:128 Resp: 300380

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.7	52.7
64	50.3	28.3	68.3



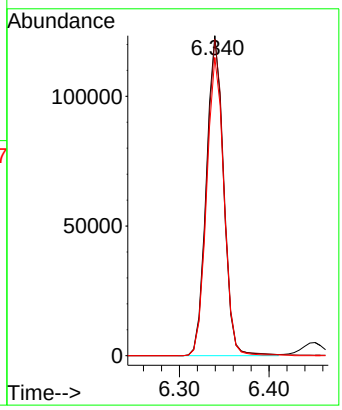


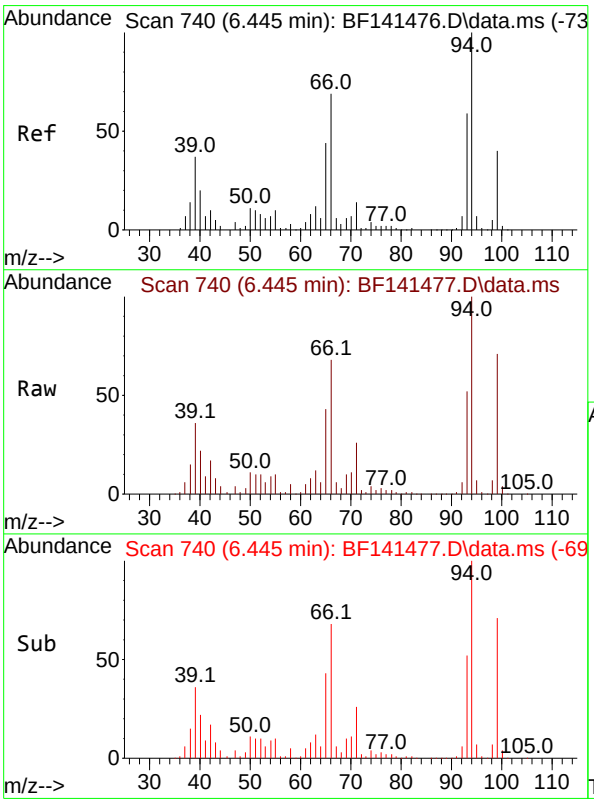
#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 164133

Ion	Ratio	Lower	Upper
77	100		
105	98.9	79.4	119.4
106	93.2	75.1	115.1

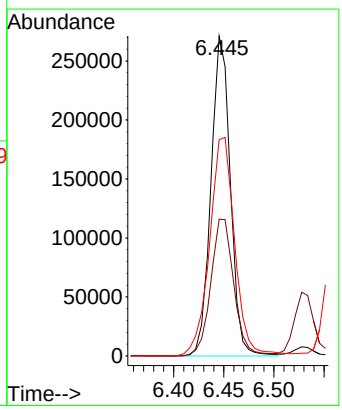


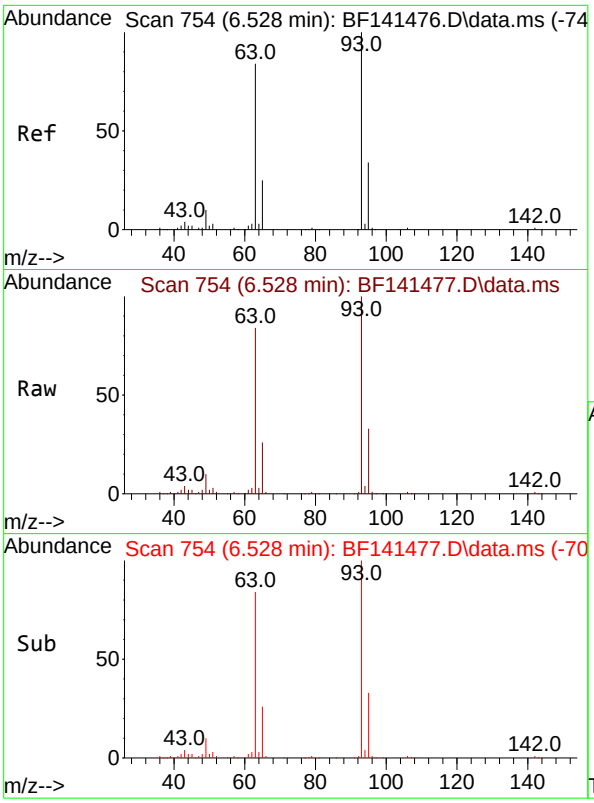


#10
Phenol
Concen: 49.425 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 94 Resp: 364380

Ion	Ratio	Lower	Upper
94	100		
65	42.8	23.7	63.7
66	67.6	49.3	89.3



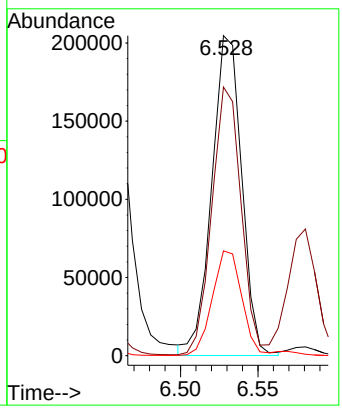


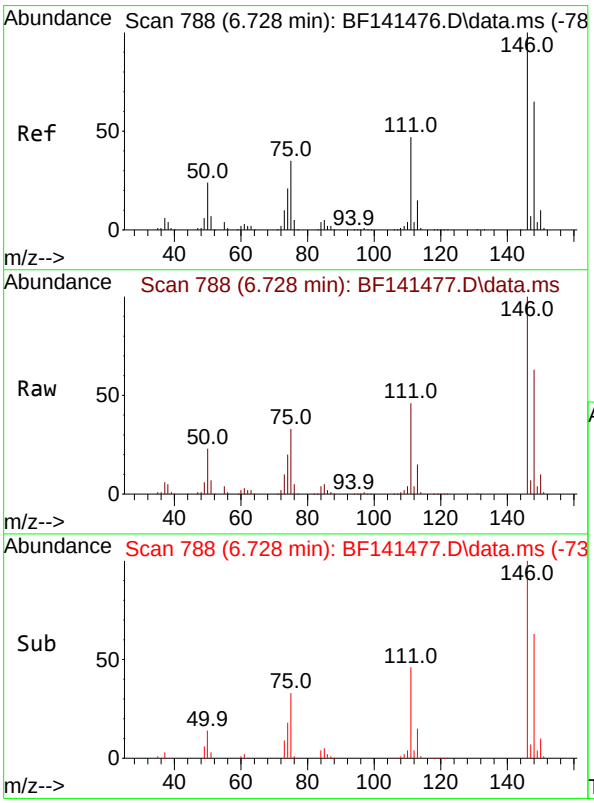
#11
bis(2-Chloroethyl)ether
Concen: 49.643 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 274892

Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.8	12.6	52.6

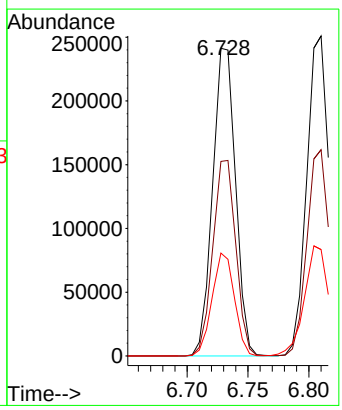


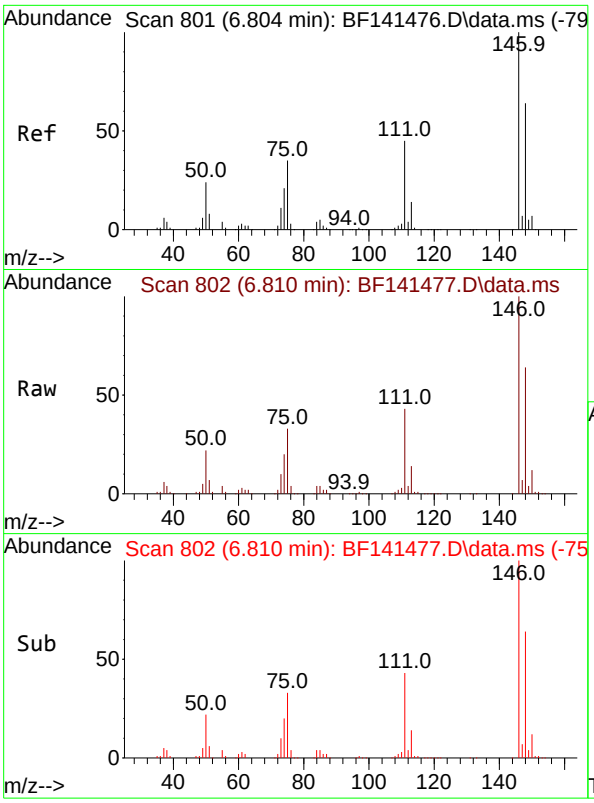


#12
1,3-Dichlorobenzene
Concen: 49.506 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:146 Resp: 316493

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.9	77.9
75	33.4	28.2	42.2



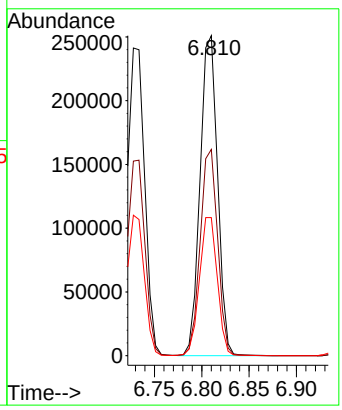


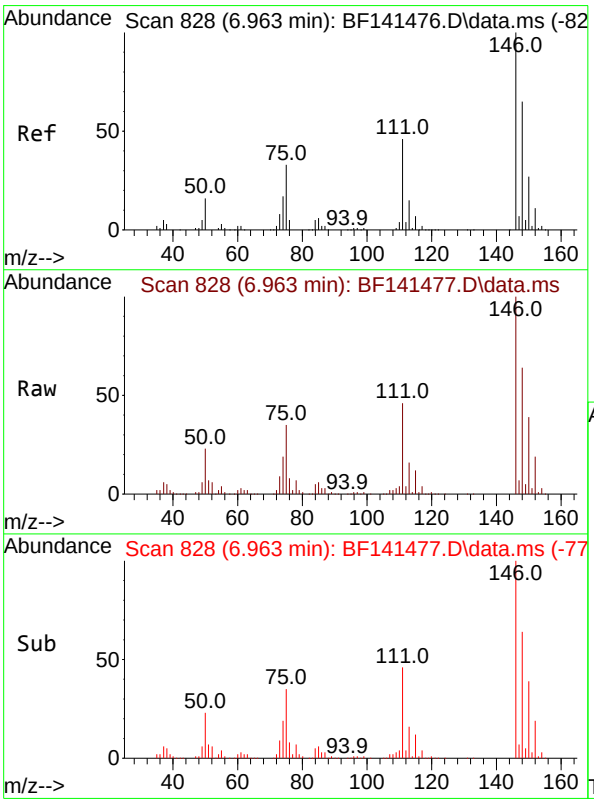
#13
1,4-Dichlorobenzene
Concen: 49.264 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 321786

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.9	76.3
111	43.1	35.9	53.9

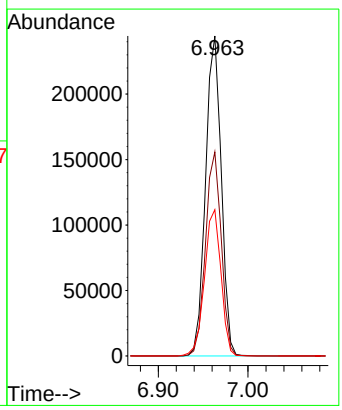


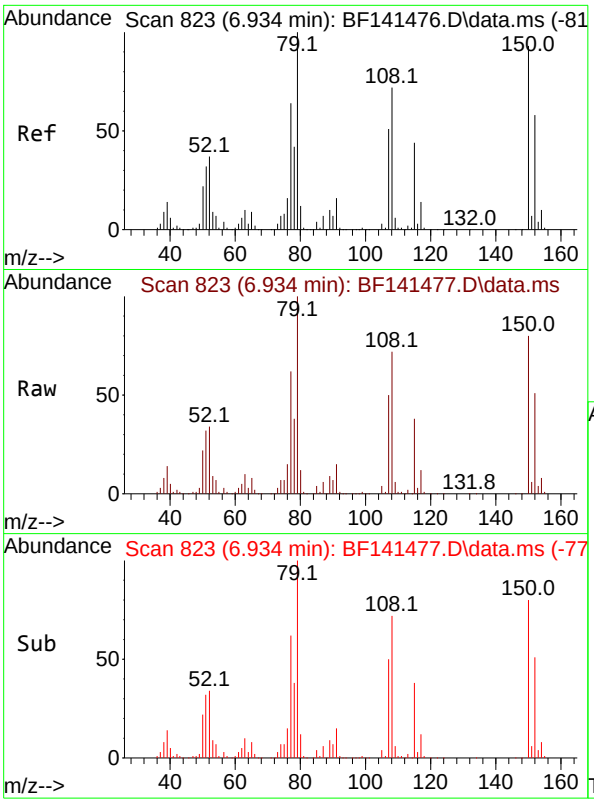


#14
1,2-Dichlorobenzene
Concen: 48.964 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:146 Resp: 296834

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	45.7	37.0	55.4



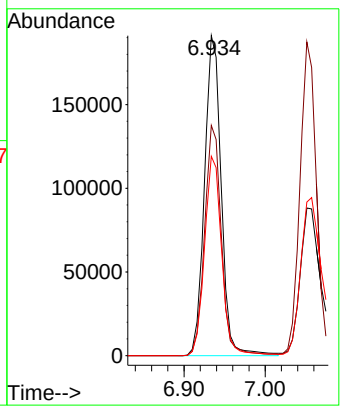


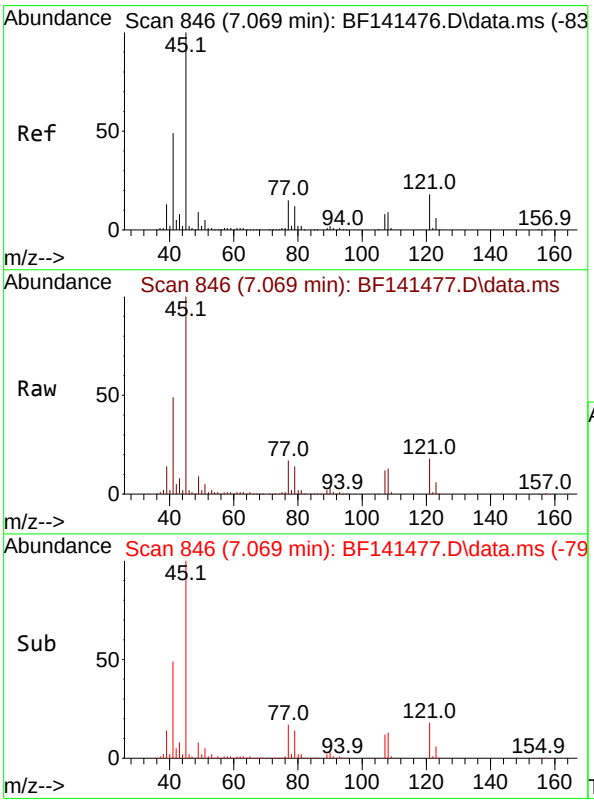
#15
Benzyl Alcohol
Concen: 50.451 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 274040

Ion	Ratio	Lower	Upper
79	100		
108	71.9	57.4	86.2
77	62.3	50.9	76.3

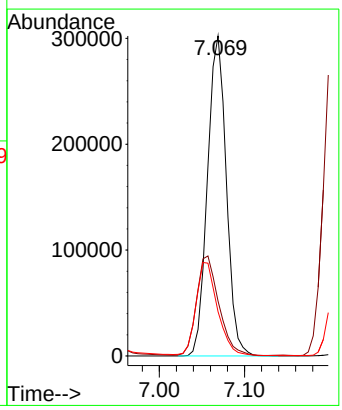


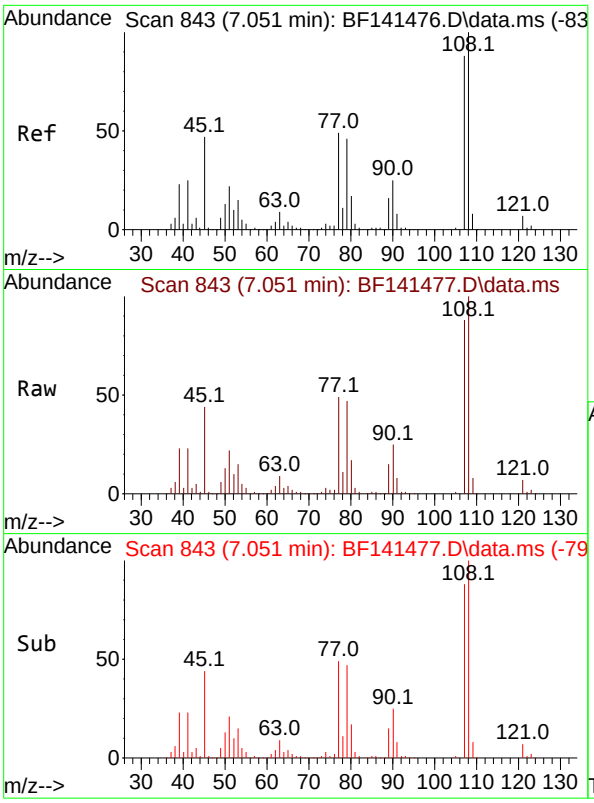


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.091 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 45 Resp: 465332

Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	35.8
79	13.9	0.0	32.7



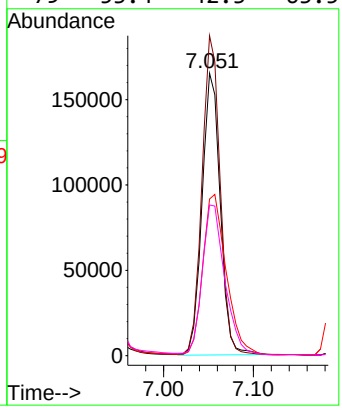


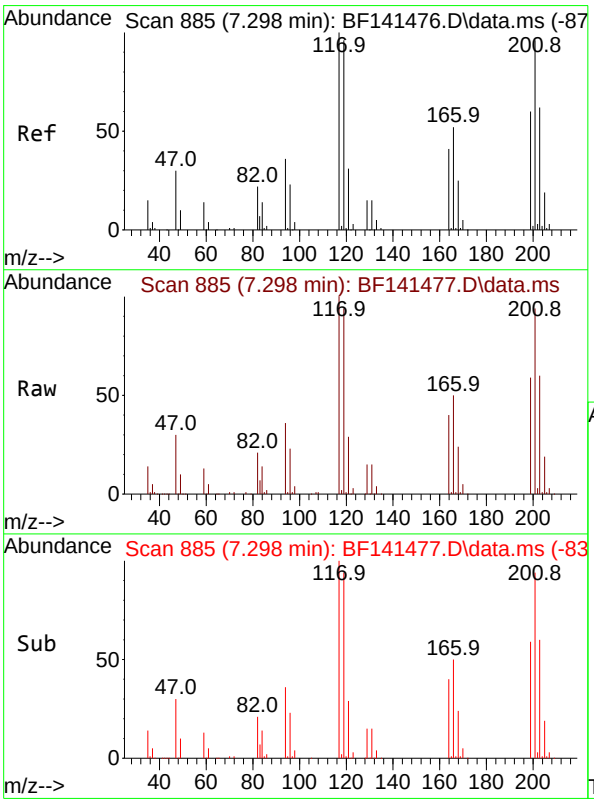
#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 232571

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.4	44.4	66.6
79	53.4	42.3	63.5

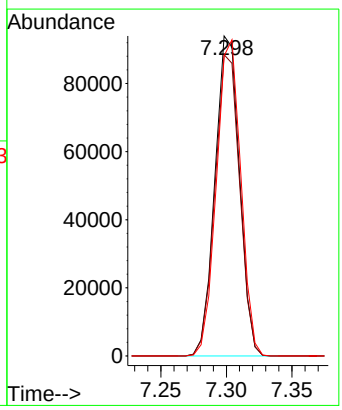


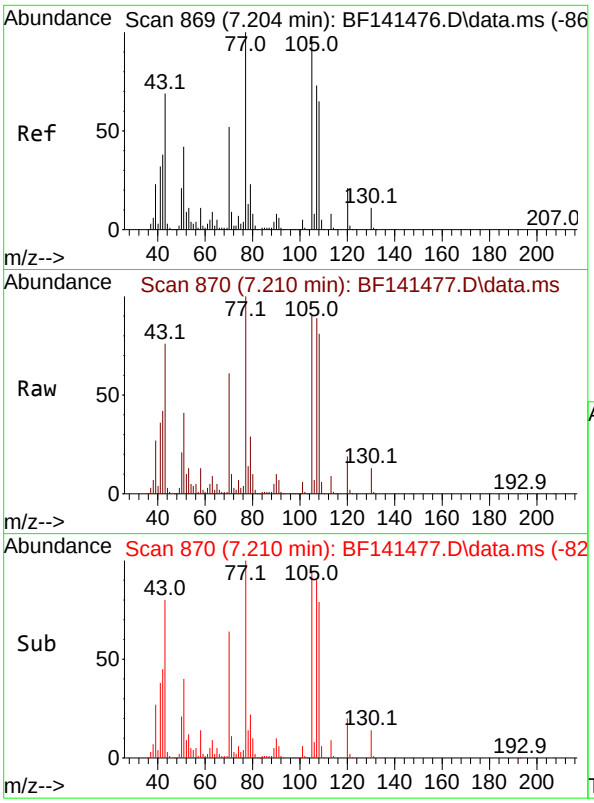


#18
Hexachloroethane
Concen: 50.498 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:117 Resp: 122071

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
201	93.8	76.7	115.1



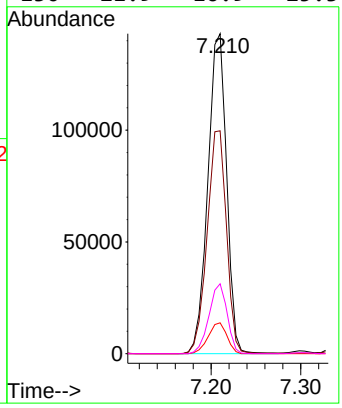


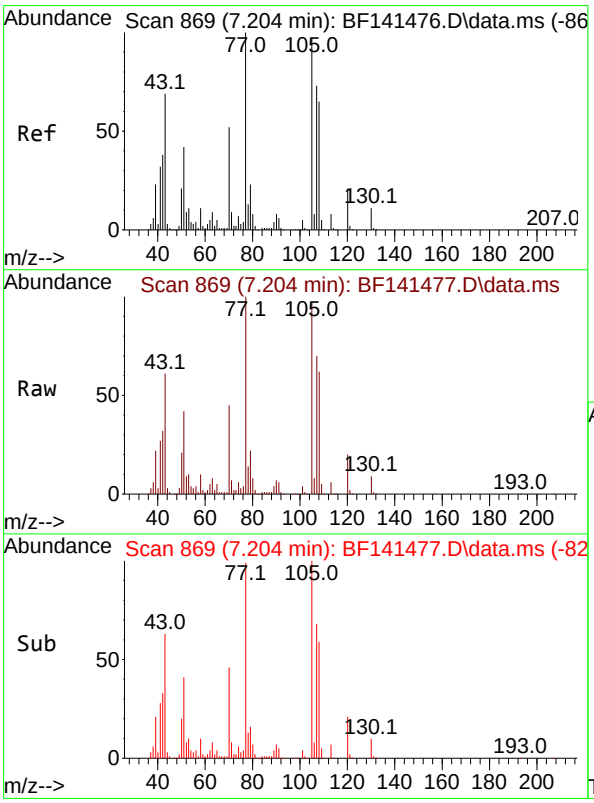
#19
n-Nitroso-di-n-propylamine
Concen: 49.072 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 207915

Ion	Ratio	Lower	Upper
70	100		
42	69.6	57.4	86.2
101	9.6	8.0	12.0
130	21.9	16.9	25.3

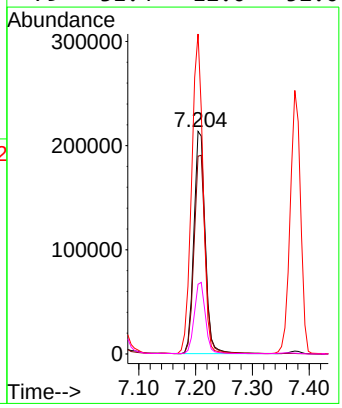


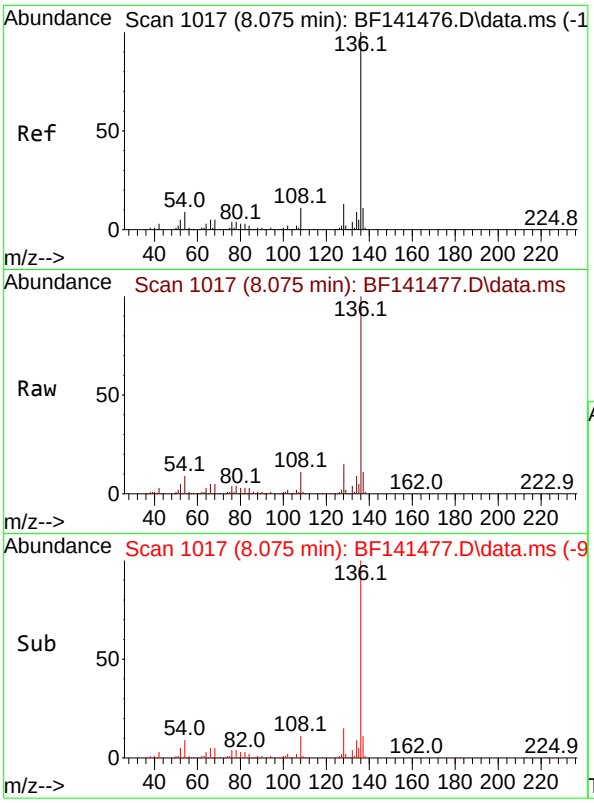


#20
3+4-Methylphenols
Concen: 49.011 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 295179

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	143.8	116.5	156.5
79	31.4	12.0	52.0



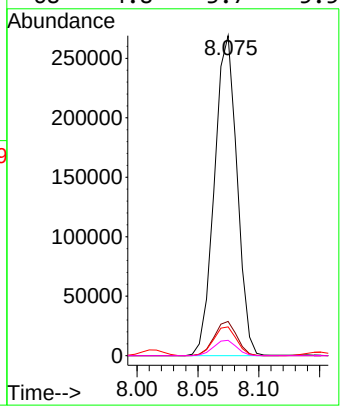


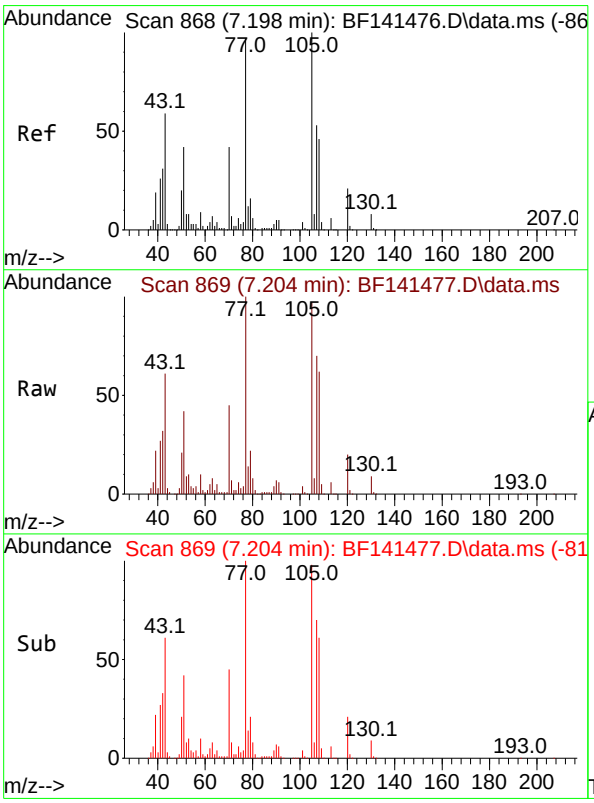
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 347298

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.2	10.8
68	4.8	3.7	5.5

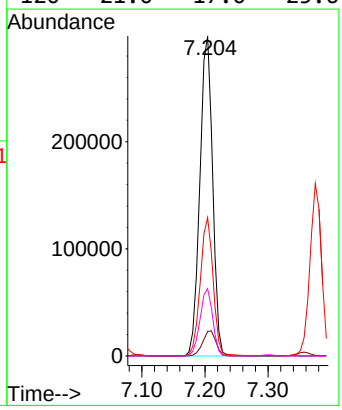


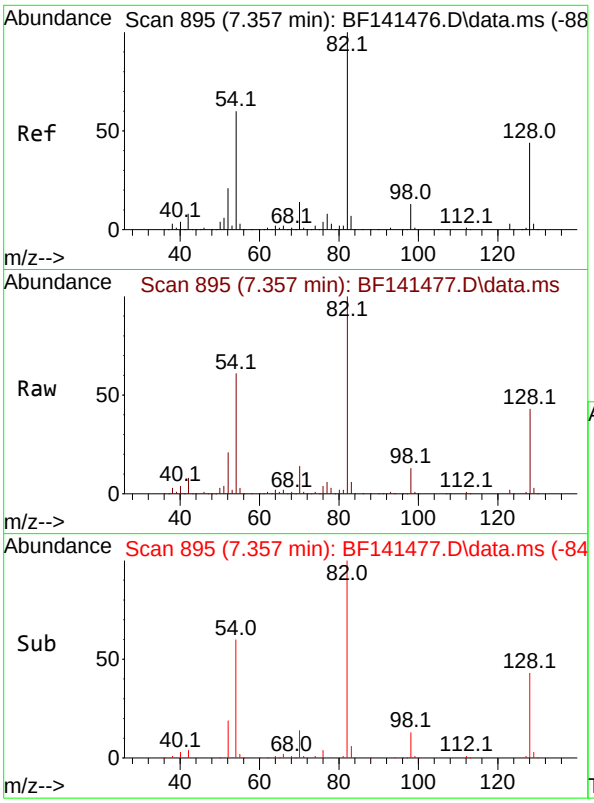


#22
Acetophenone
Concen: 48.588 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:105 Resp: 419759

Ion	Ratio	Lower	Upper
105	100		
71	7.7	5.7	8.5
51	43.2	33.7	50.5
120	21.0	17.0	25.6



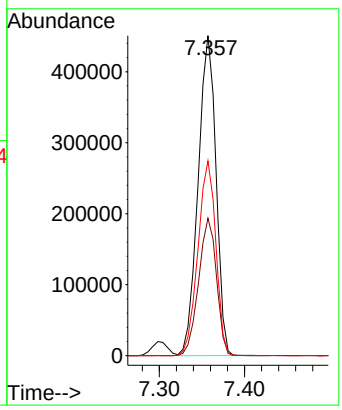


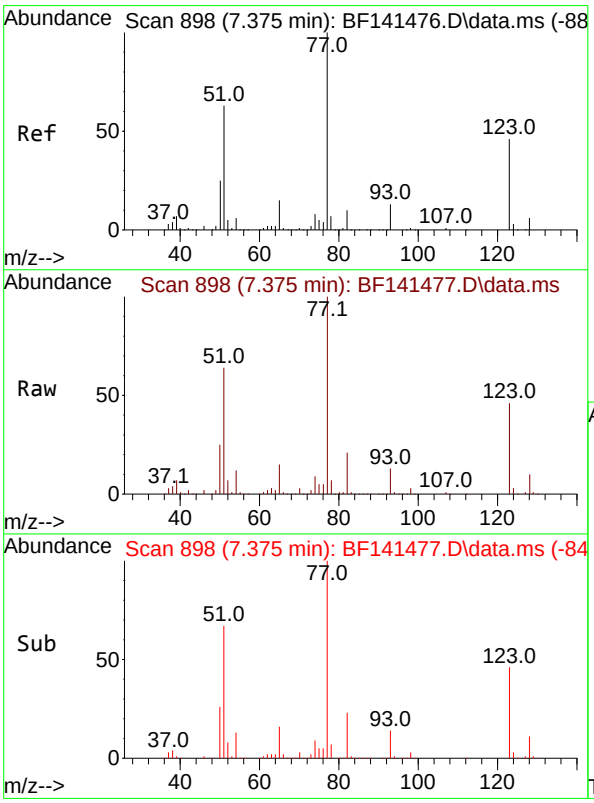
#23
Nitrobenzene-d5
Concen: 98.686 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 657106

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	60.9	48.2	72.4

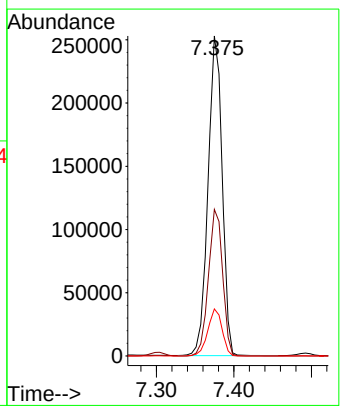


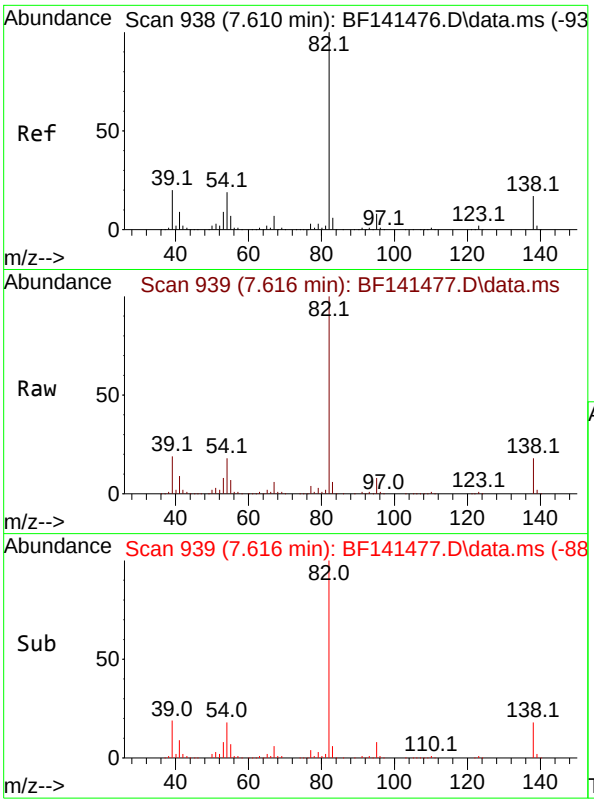


#24
Nitrobenzene
Concen: 49.308 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 77 Resp: 320155

Ion	Ratio	Lower	Upper
77	100		
123	45.8	36.9	55.3
65	14.7	11.9	17.9



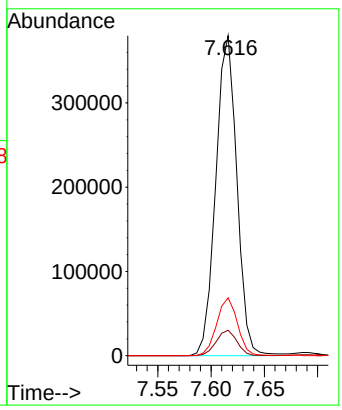


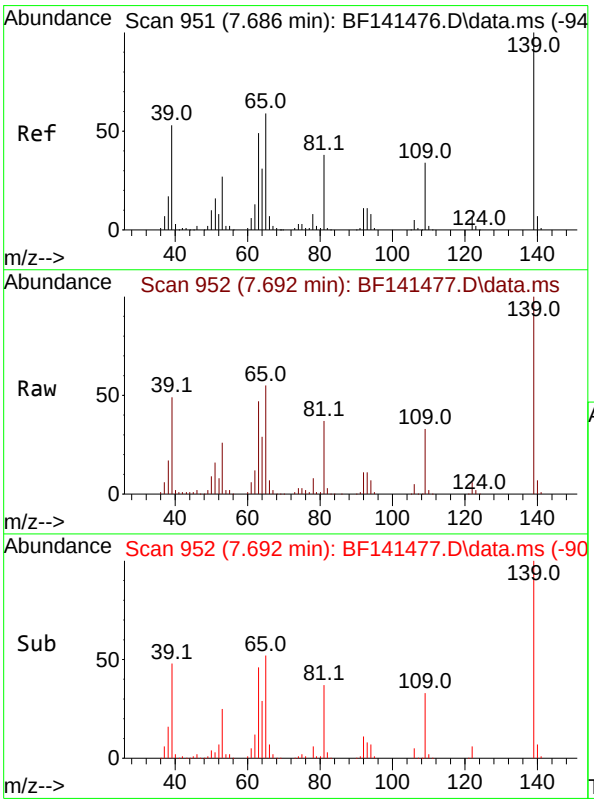
#25
Isophorone
Concen: 49.123 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 521533

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.1	13.9	20.9

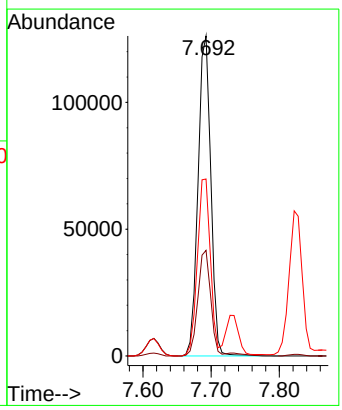


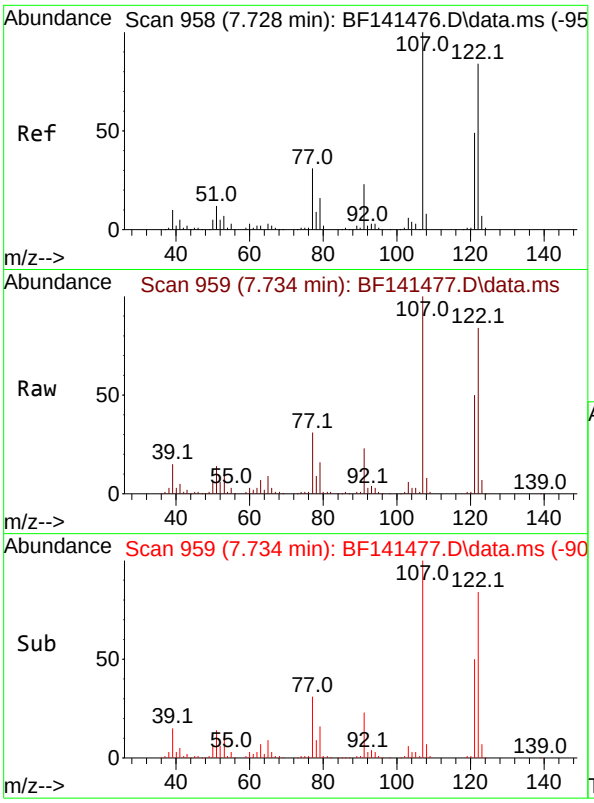


#26
2-Nitrophenol
Concen: 50.962 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:139 Resp: 164623

Ion	Ratio	Lower	Upper
139	100		
109	33.0	27.0	40.6
65	55.3	47.1	70.7



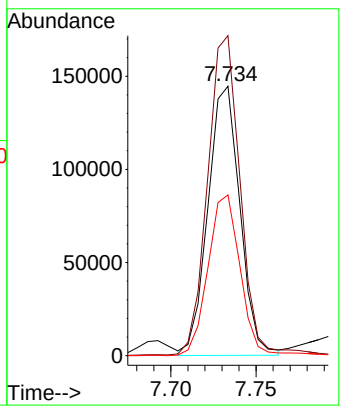


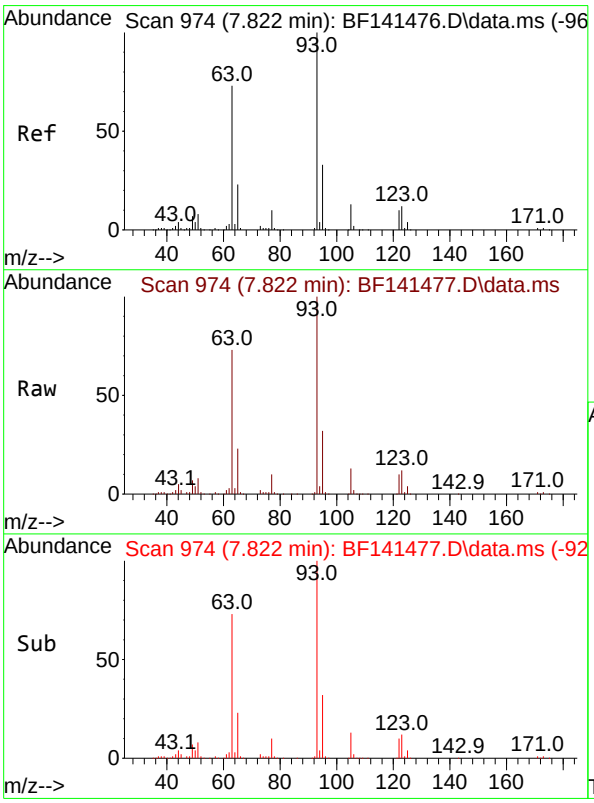
#27
2,4-Dimethylphenol
Concen: 50.093 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 189037

Ion	Ratio	Lower	Upper
122	100		
107	118.8	94.3	141.5
121	59.7	46.0	69.0

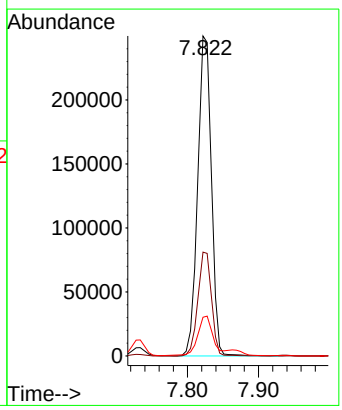


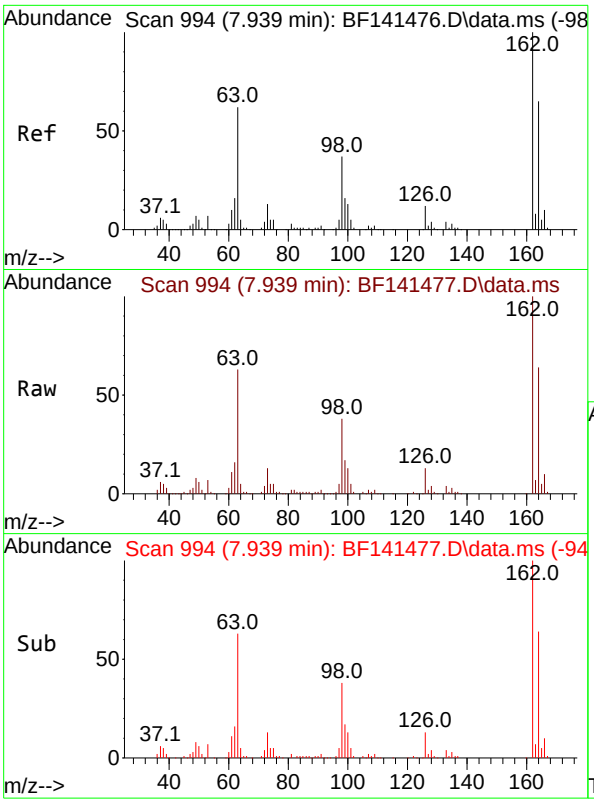


#28
bis(2-Chloroethoxy)methane
Concen: 49.430 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 93 Resp: 336274

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	12.1	9.5	14.3



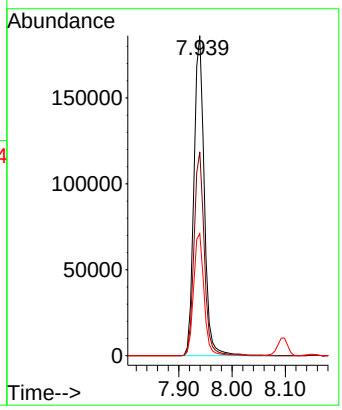


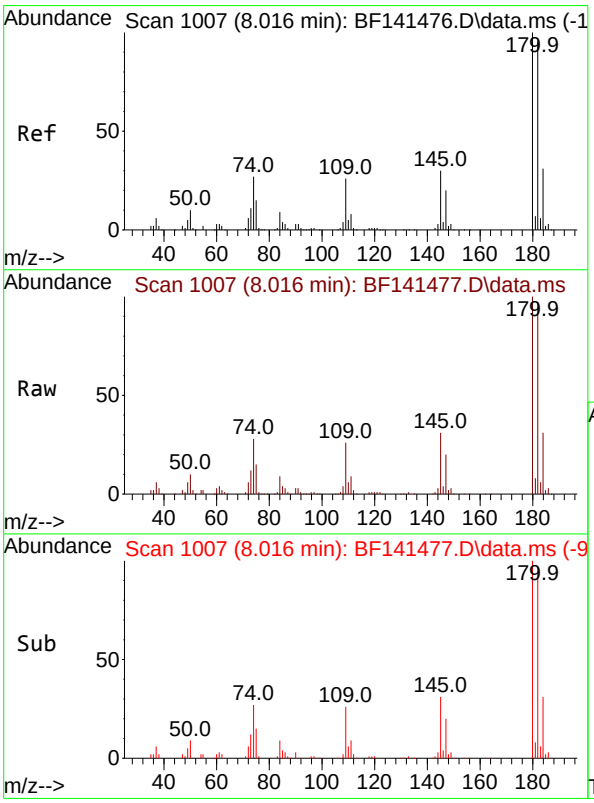
#29
2,4-Dichlorophenol
Concen: 49.328 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 251518

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	38.1	17.2	57.2

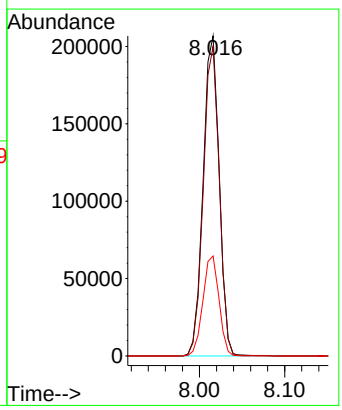


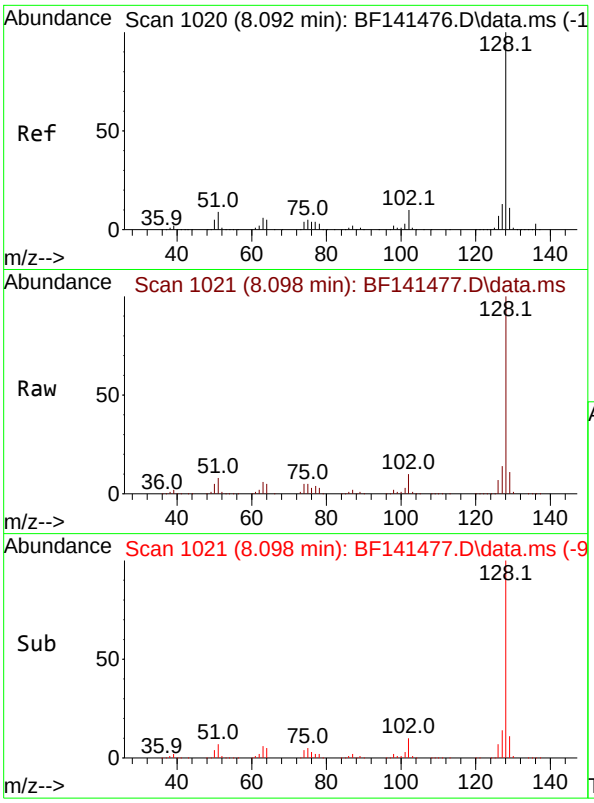


#30
1,2,4-Trichlorobenzene
Concen: 48.788 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:180 Resp: 270897

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.8	115.2
145	31.3	24.2	36.4



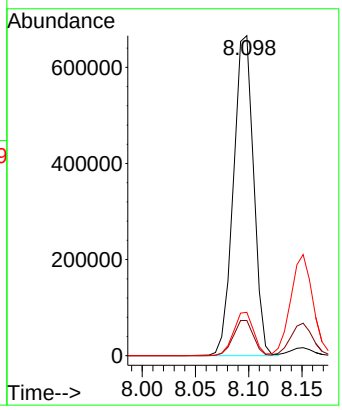


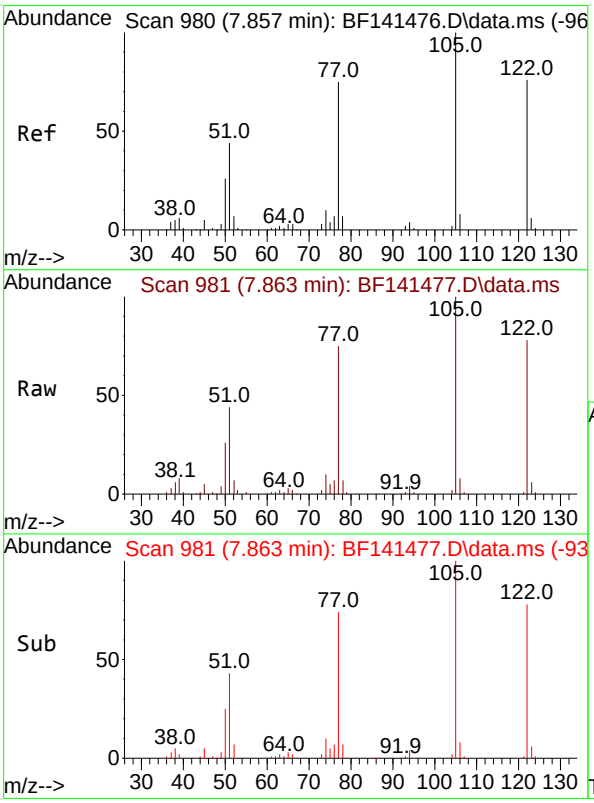
#31
Naphthalene
Concen: 48.605 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 878692

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.6	10.7	16.1

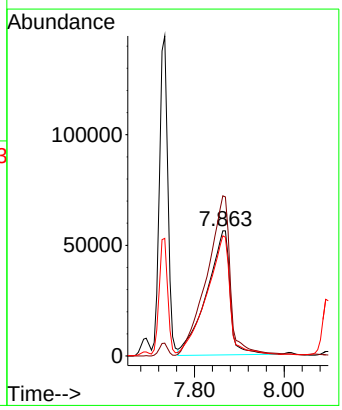


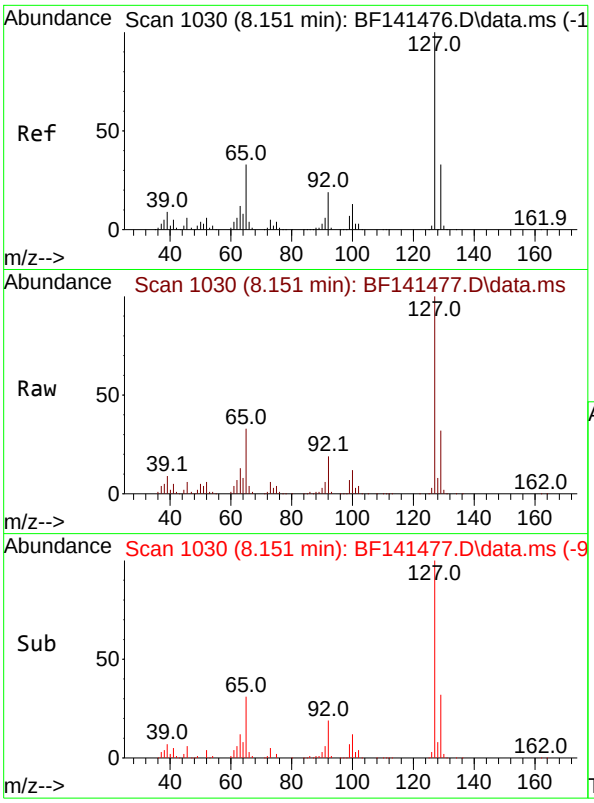


#32
Benzoic acid
Concen: 51.719 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:122 Resp: 202728

Ion	Ratio	Lower	Upper
122	100		
105	128.0	106.5	146.5
77	96.0	76.3	116.3



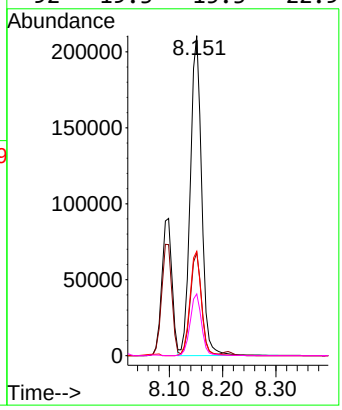


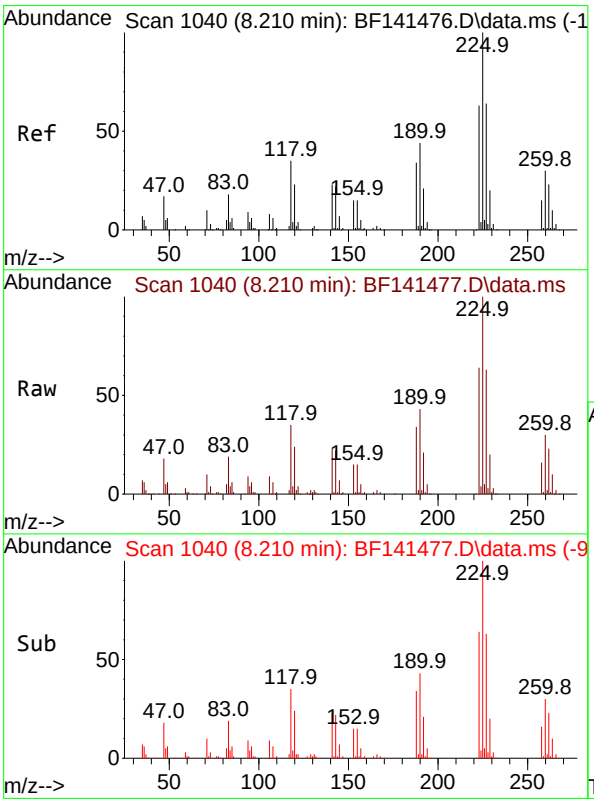
#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 312251

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.5	39.7
65	32.6	26.4	39.6
92	19.3	15.3	22.9

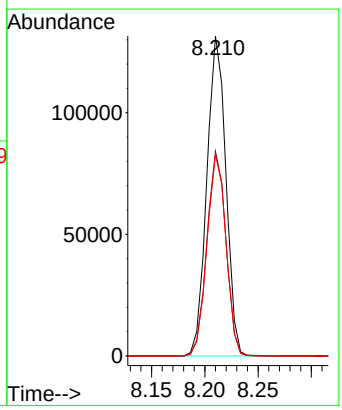


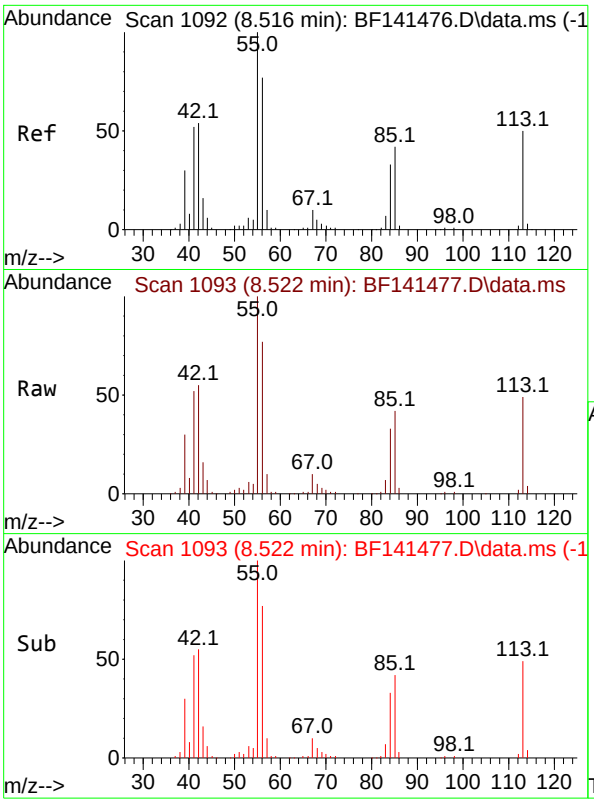


#34
Hexachlorobutadiene
Concen: 48.971 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:225 Resp: 163240

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.1	75.1
227	62.8	51.0	76.6



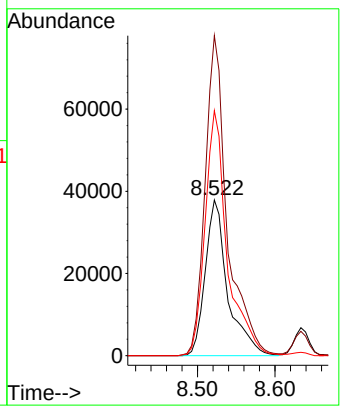


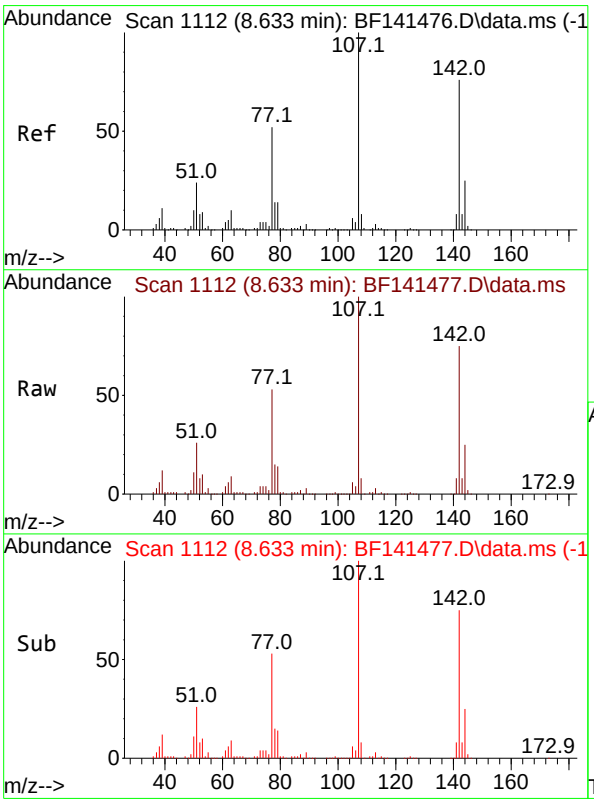
#35
Caprolactam
Concen: 49.180 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 76350

Ion	Ratio	Lower	Upper
113	100		
55	205.6	180.8	220.8
56	157.4	133.6	173.6

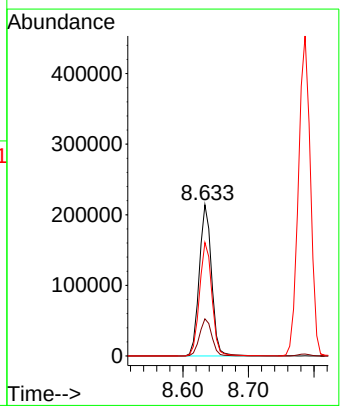


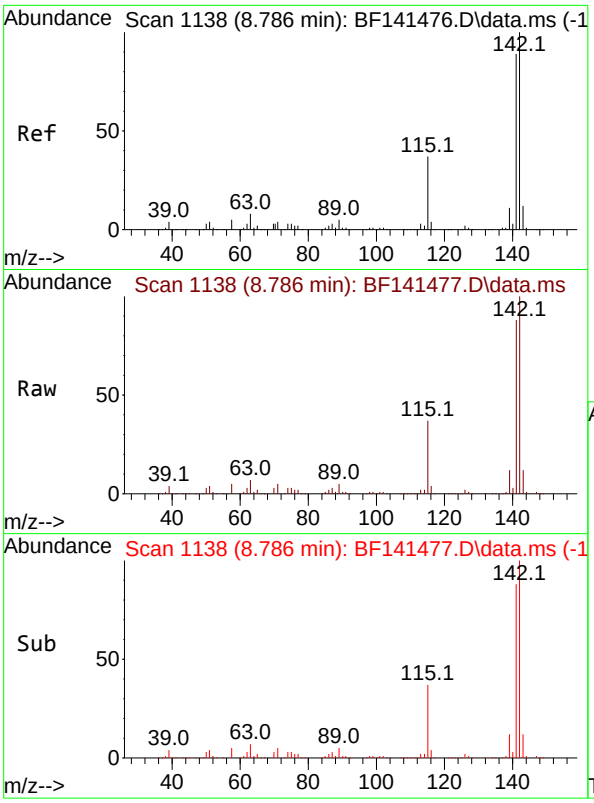


#36
4-Chloro-3-methylphenol
Concen: 49.736 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 280911

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	75.0	60.8	91.2



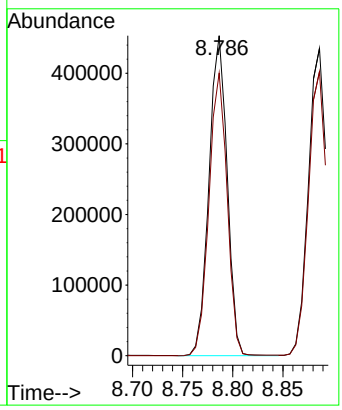


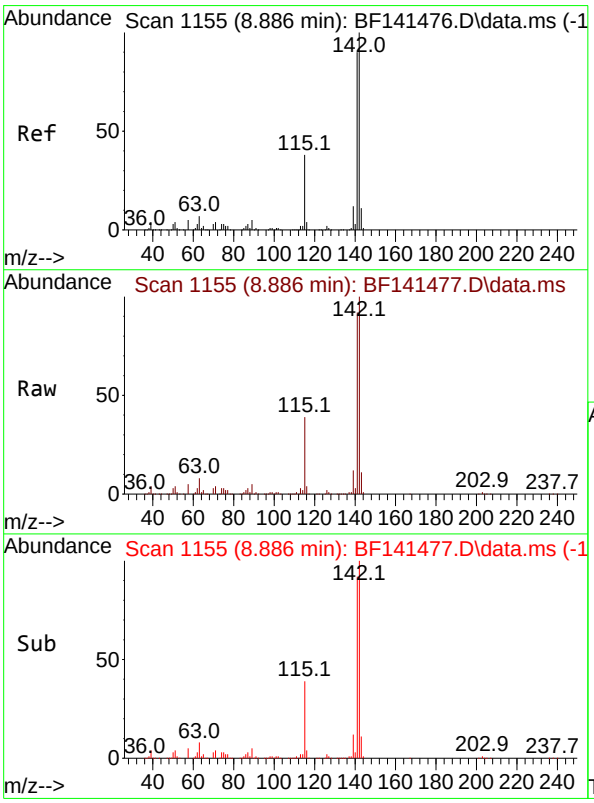
#37
2-Methylnaphthalene
Concen: 48.643 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 572244

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8

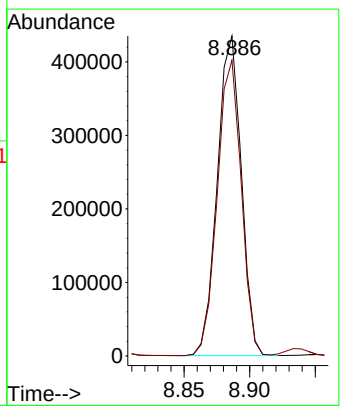


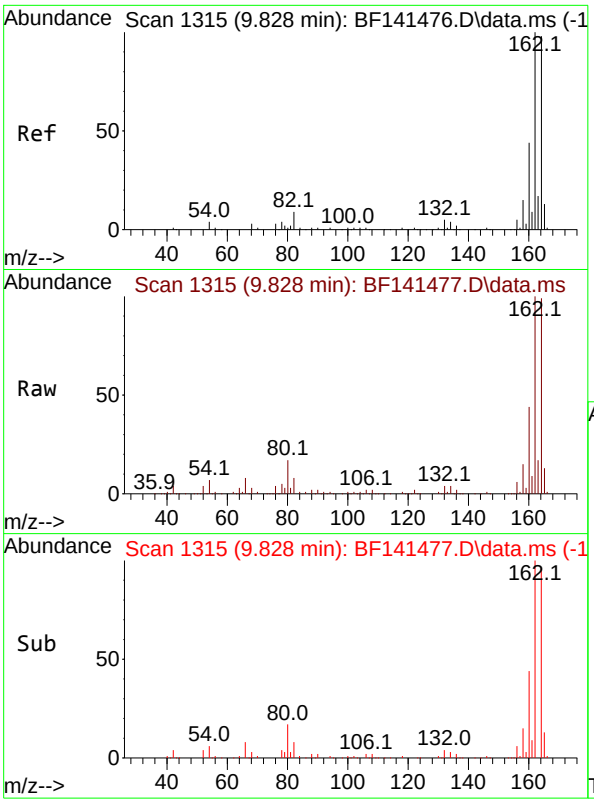


#38
1-Methylnaphthalene
Concen: 48.579 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:142 Resp: 553503

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.1	108.1



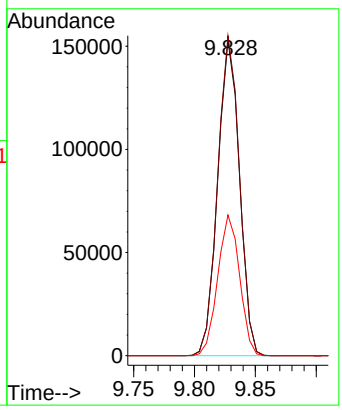


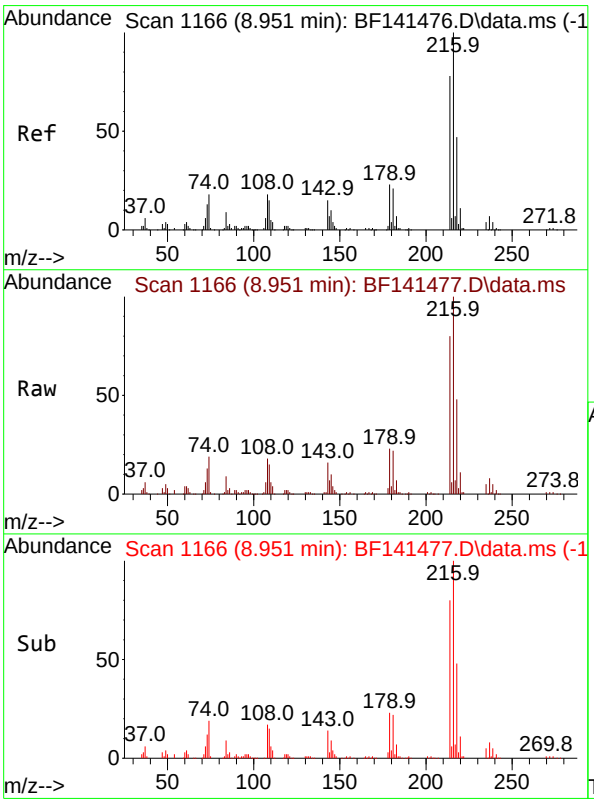
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 190523

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	44.6	35.9	53.9

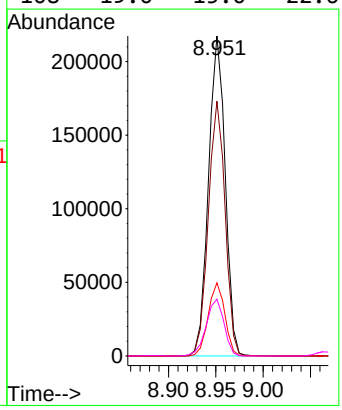


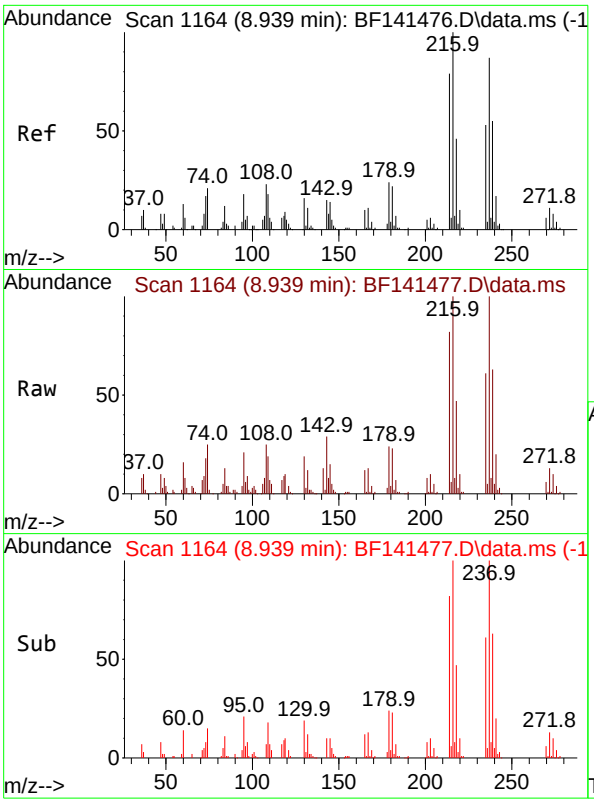


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.369 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:216 Resp: 266614

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.3	93.5
179	22.7	18.0	27.0
108	19.0	15.0	22.6



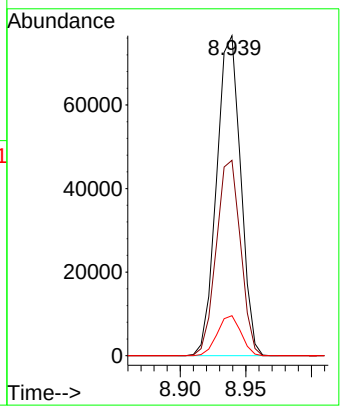


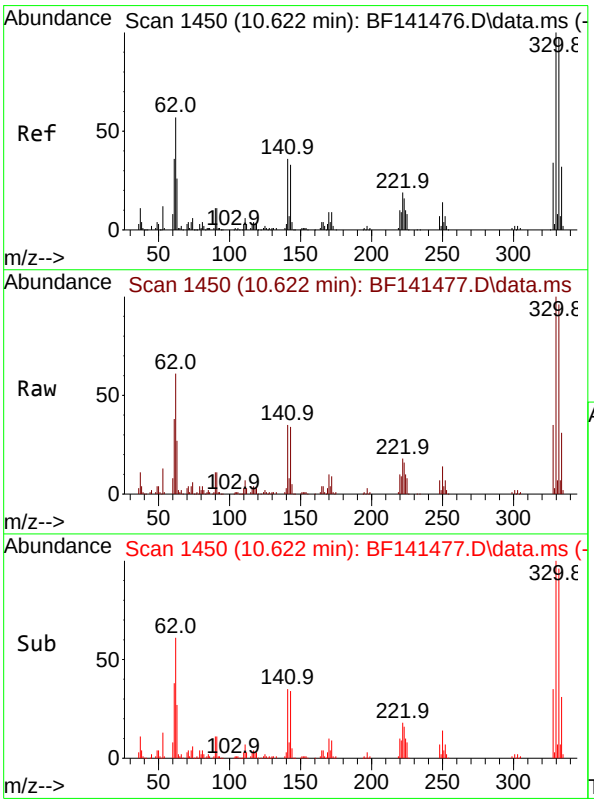
#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 97674

Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.4	81.4
272	12.5	0.0	32.4

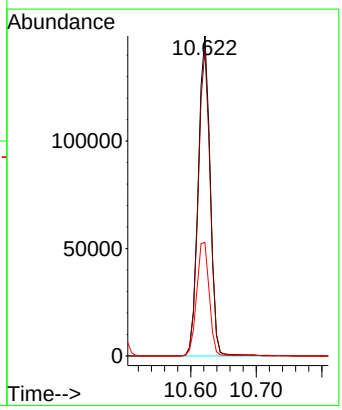


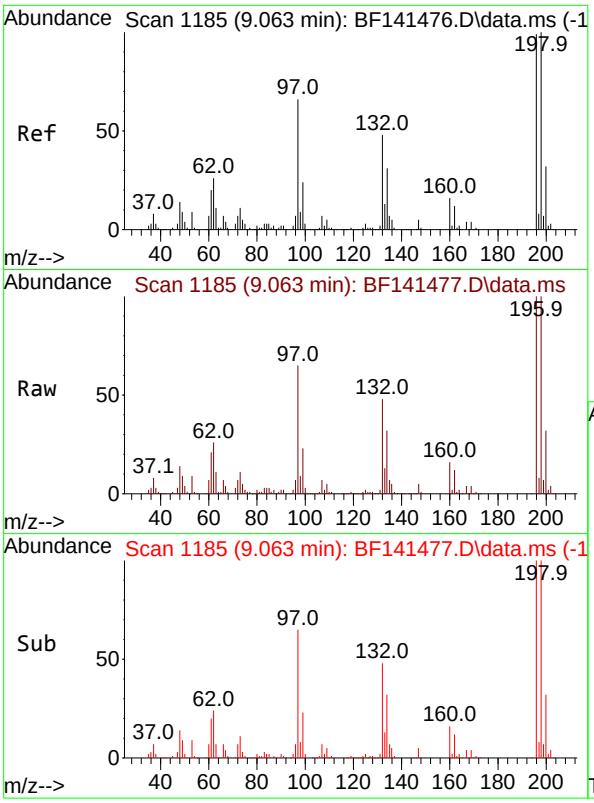


#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:330 Resp: 189178

Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.5	117.7
141	37.2	31.0	46.4



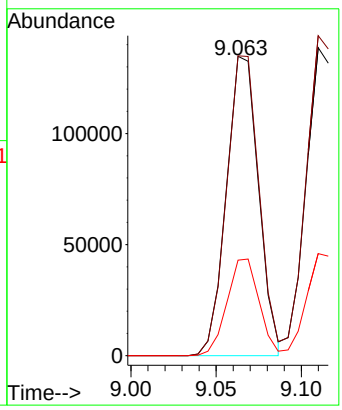


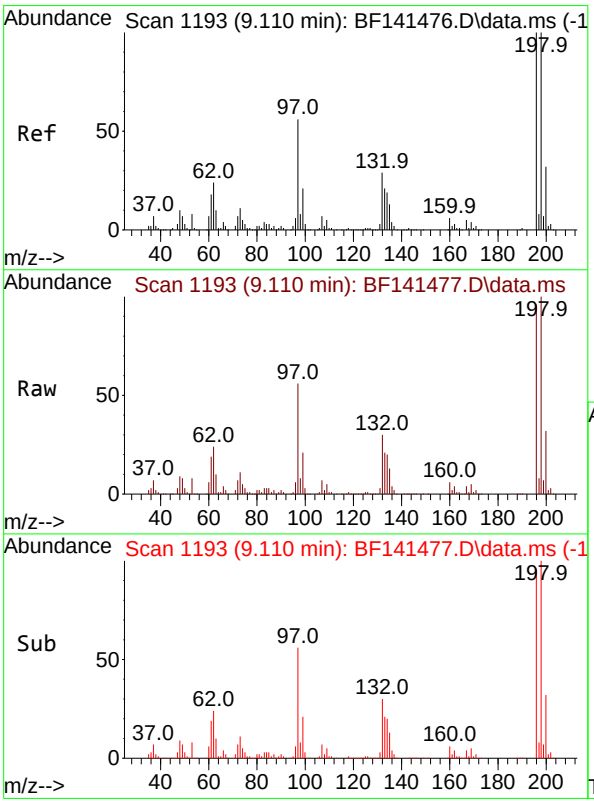
#43
2,4,6-Trichlorophenol
Concen: 49.825 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 177503

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.6	121.0
200	31.9	25.5	38.3

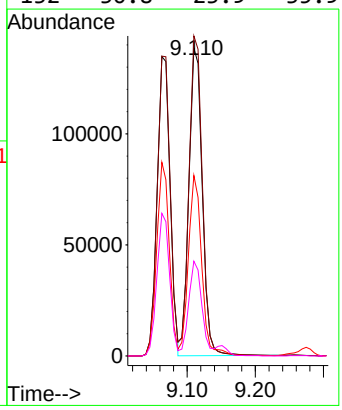


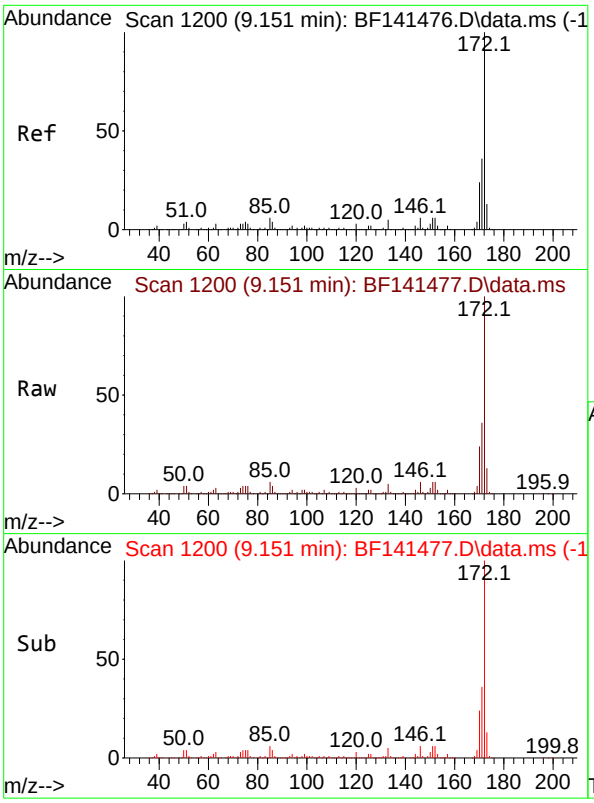


#44
2,4,5-Trichlorophenol
Concen: 48.667 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:196 Resp: 187902

Ion	Ratio	Lower	Upper
196	100		
198	103.9	79.8	119.8
97	58.6	44.8	67.2
132	30.8	23.9	35.9



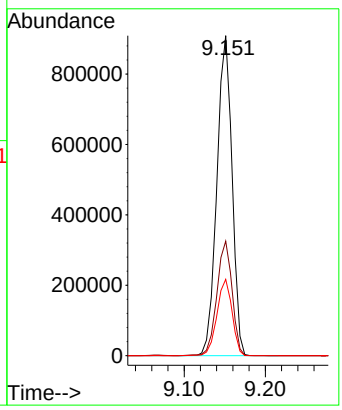


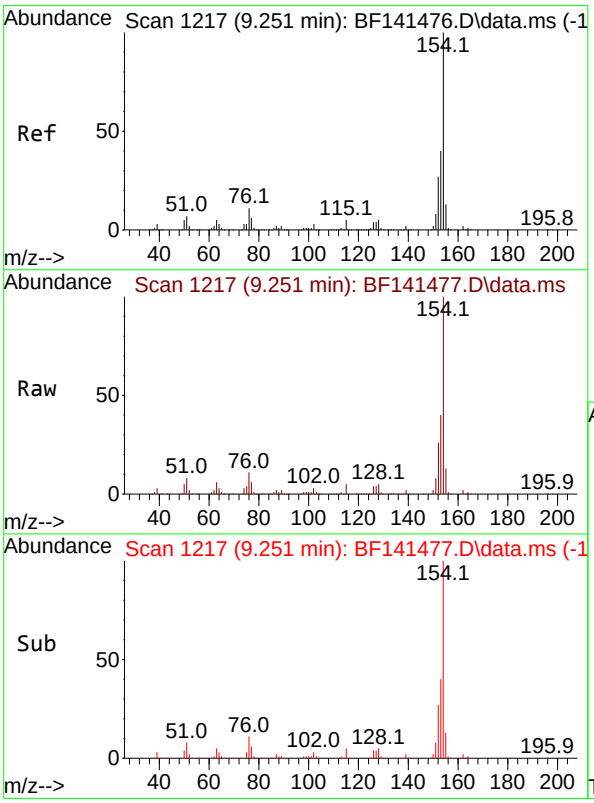
#45
2-Fluorobiphenyl
Concen: 95.605 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1182292

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.8	18.9	28.3

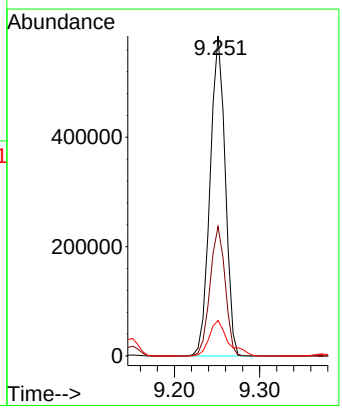


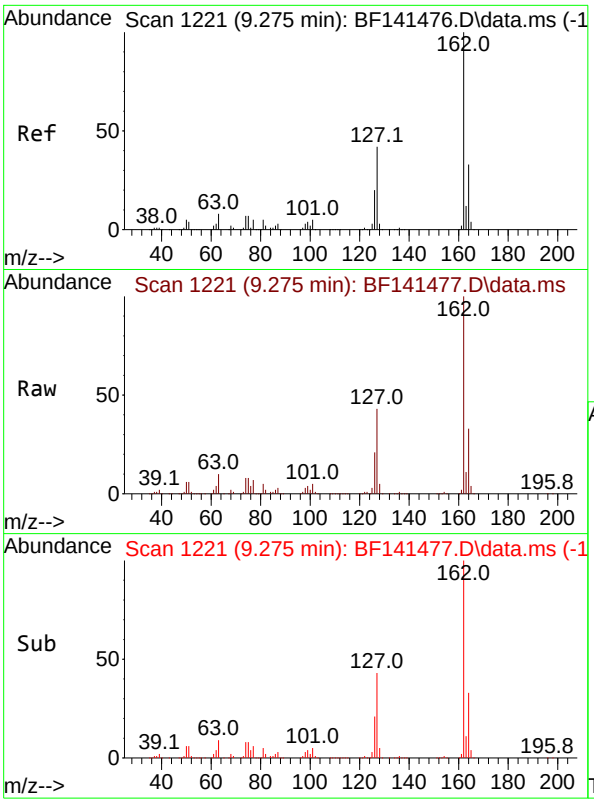


#46
1,1'-Biphenyl
Concen: 48.905 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 722373

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	11.1	0.0	30.8



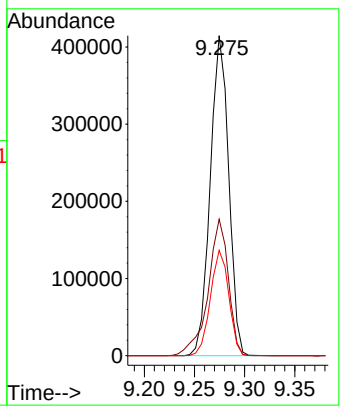


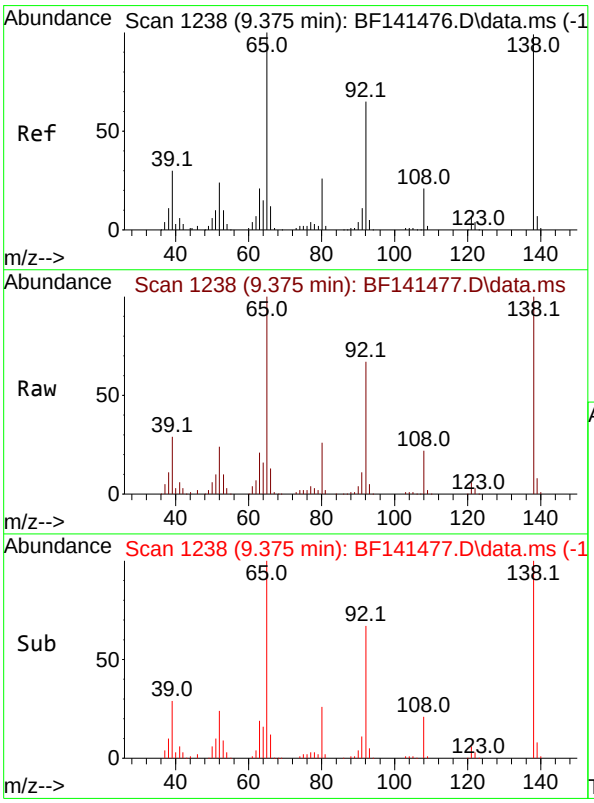
#47
2-Chloronaphthalene
Concen: 48.576 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 530577

Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.1	51.1
164	32.9	26.3	39.5

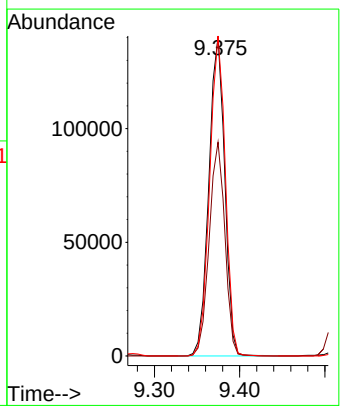


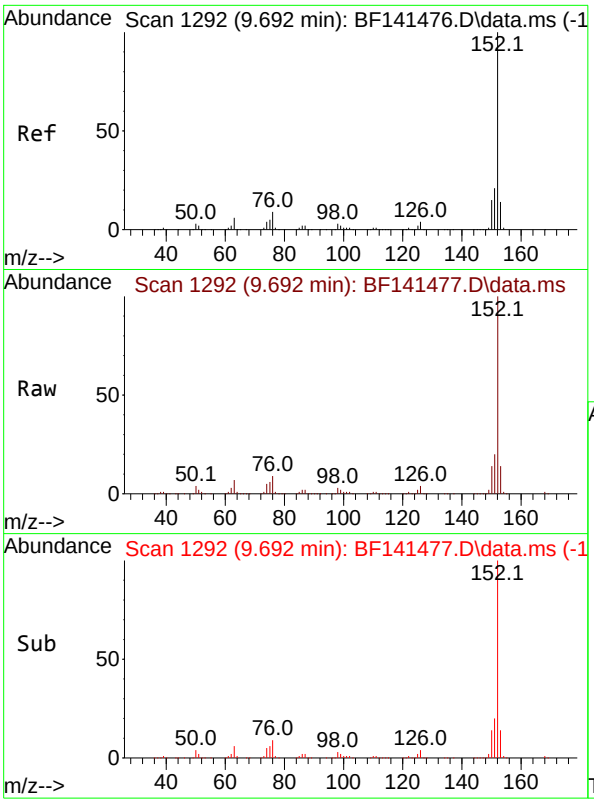


#48
2-Nitroaniline
Concen: 49.612 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 65 Resp: 181860

Ion	Ratio	Lower	Upper
65	100		
92	67.0	52.2	78.2
138	100.2	79.5	119.3



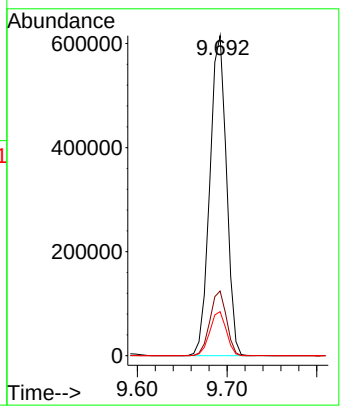


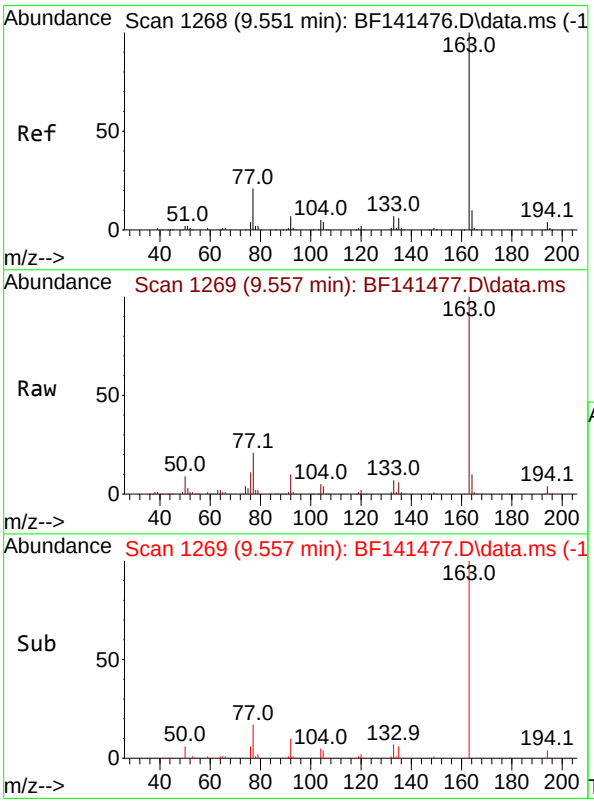
#49
Acenaphthylene
Concen: 48.672 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 790730

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.7	10.9	16.3

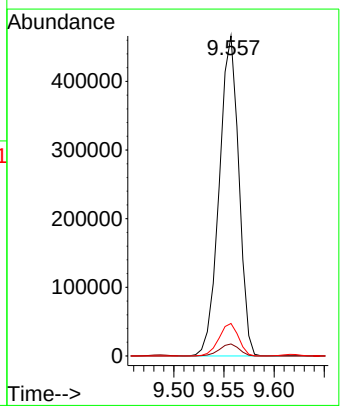


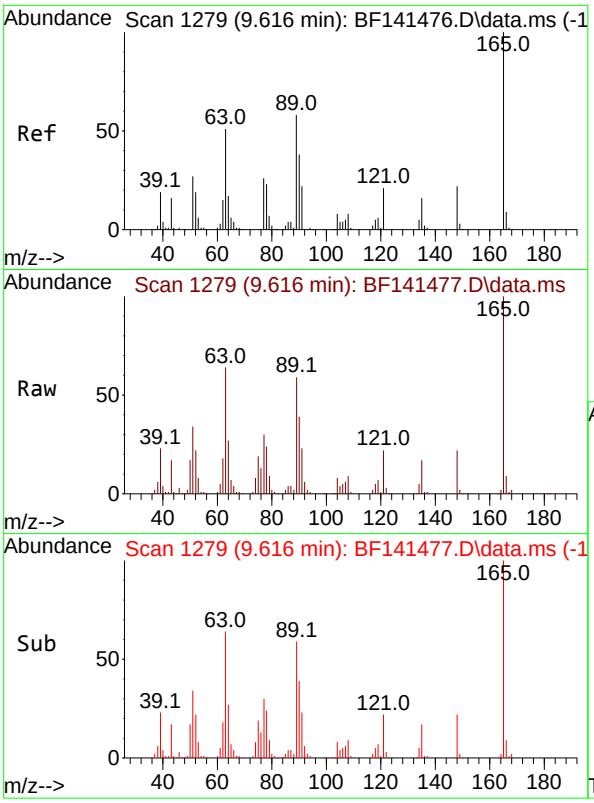


#50
Dimethylphthalate
Concen: 48.760 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:163 Resp: 630673

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	7.9	11.9



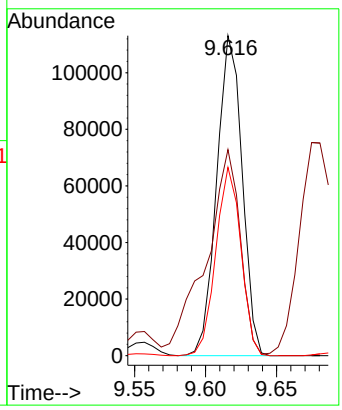


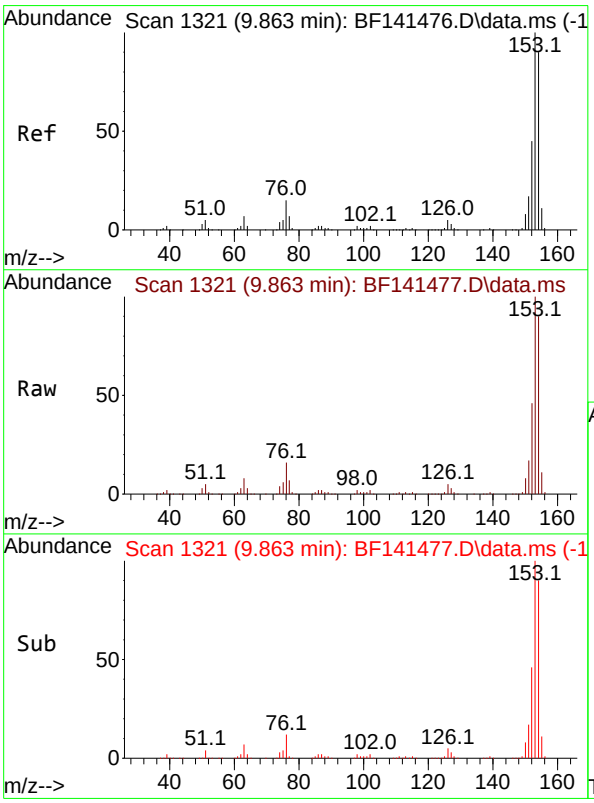
#51
2,6-Dinitrotoluene
Concen: 49.760 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 140697

Ion	Ratio	Lower	Upper
165	100		
63	64.4	49.4	74.0
89	58.9	46.5	69.7

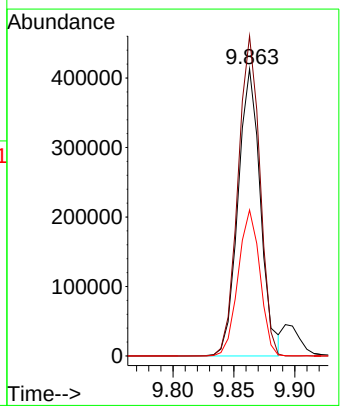


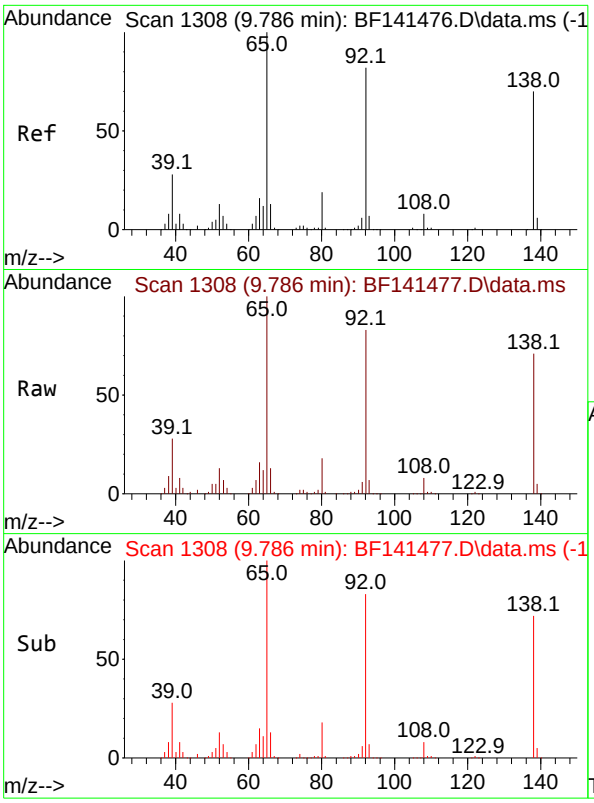


#52
Acenaphthene
Concen: 48.327 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 527828

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	50.8	39.8	59.8



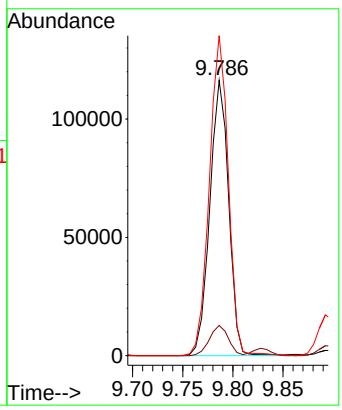


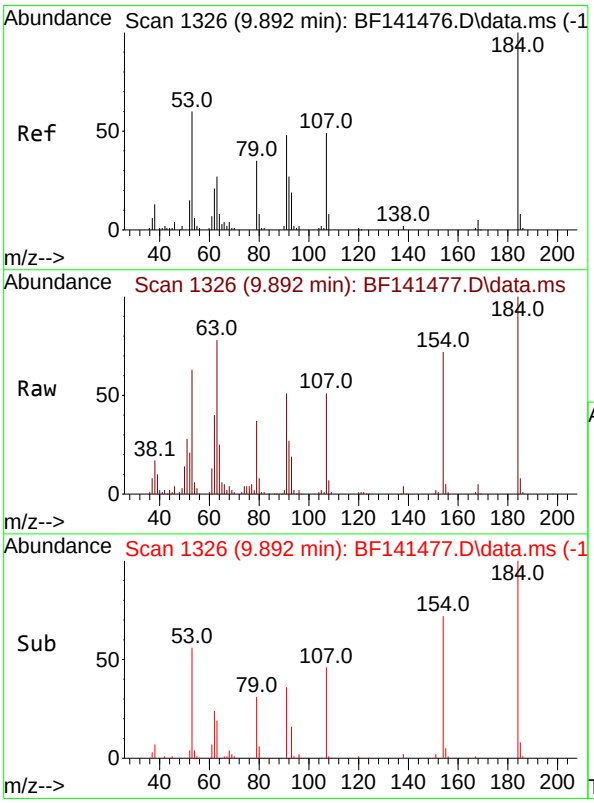
#53
3-Nitroaniline
Concen: 50.087 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 152426

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.4
92	116.2	93.7	140.5

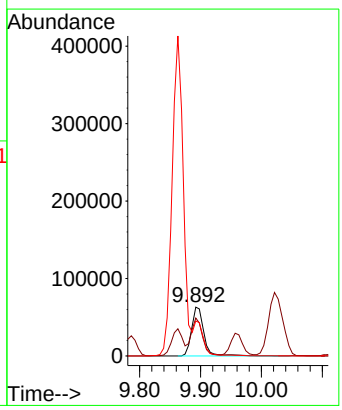


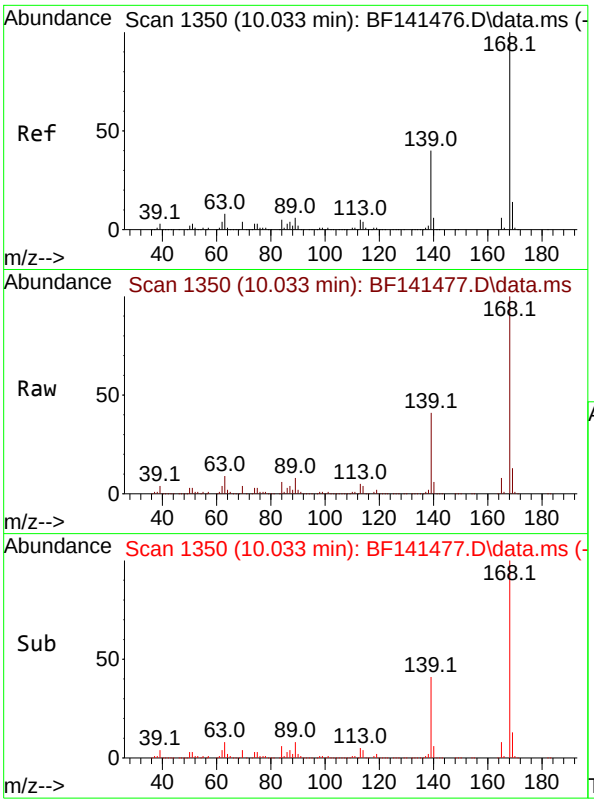


#54
2,4-Dinitrophenol
Concen: 52.339 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:184 Resp: 87953

Ion	Ratio	Lower	Upper
184	100		
63	77.9	61.0	91.6
154	71.8	59.9	89.9



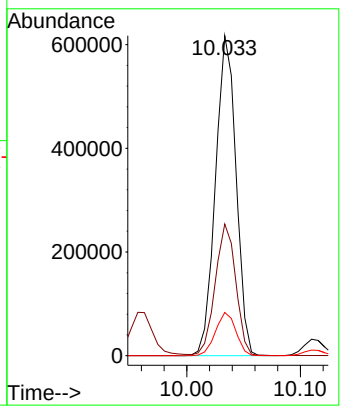


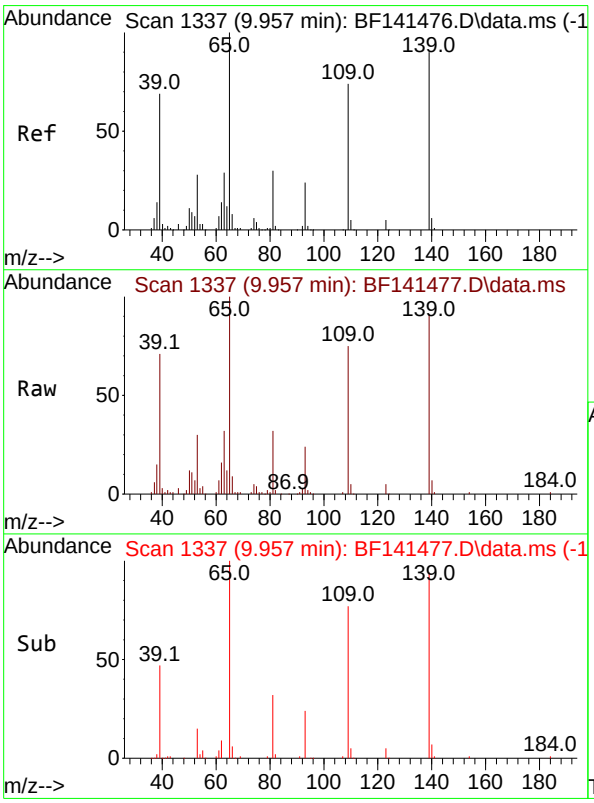
#55
Dibenzofuran
Concen: 48.523 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 777905

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.7	49.1
169	13.5	10.8	16.2

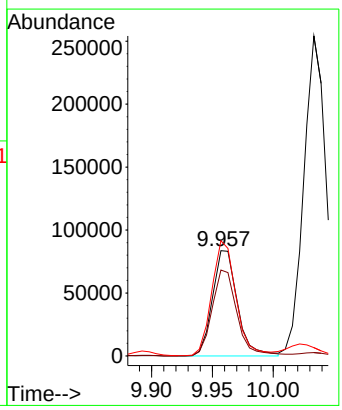


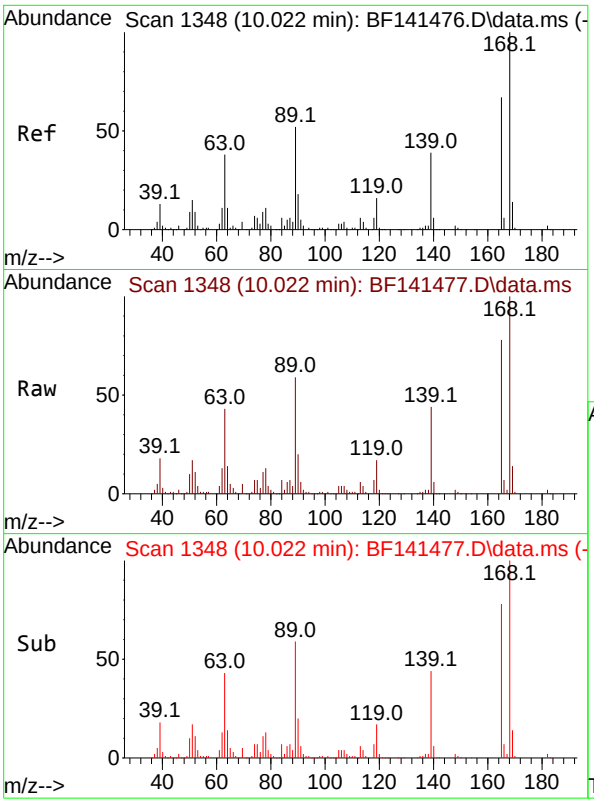


#56
4-Nitrophenol
Concen: 52.603 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:139 Resp: 118835

Ion	Ratio	Lower	Upper
139	100		
109	81.7	62.0	102.0
65	109.4	91.2	131.2



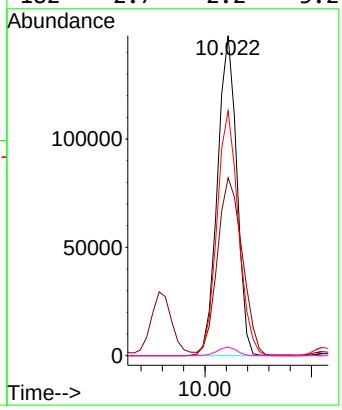


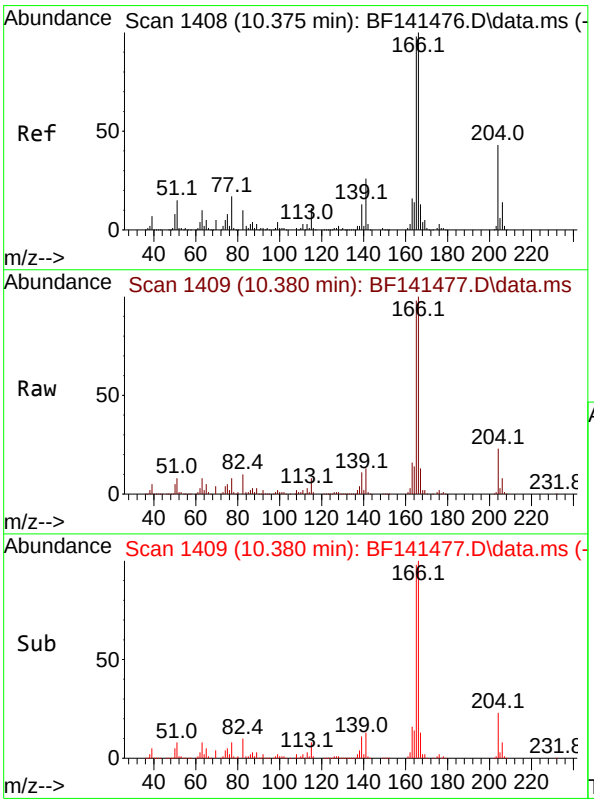
#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 185741

Ion	Ratio	Lower	Upper
165	100		
63	55.6	46.4	69.6
89	76.5	61.8	92.6
182	2.7	2.2	3.2

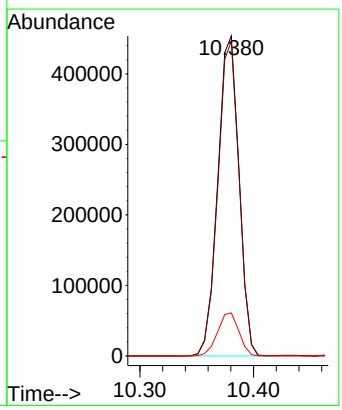


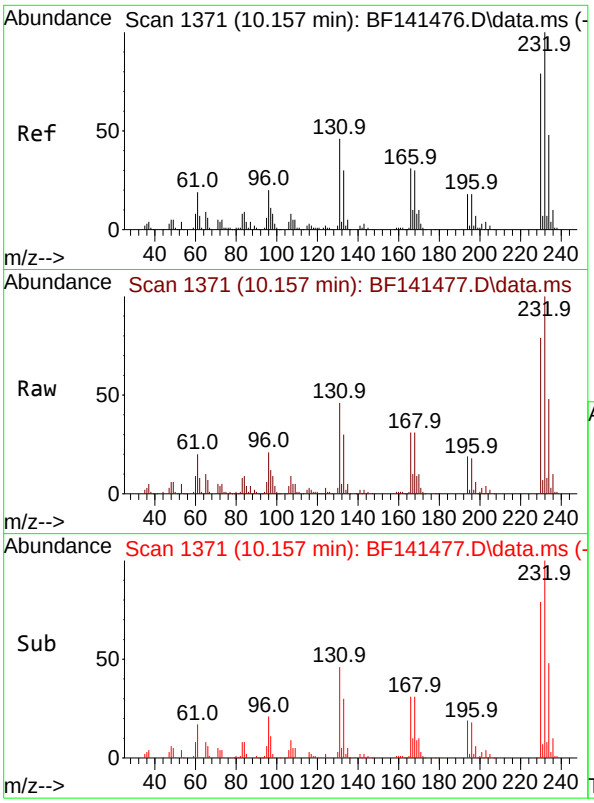


#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:166 Resp: 590000

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.2
167	13.4	10.7	16.1



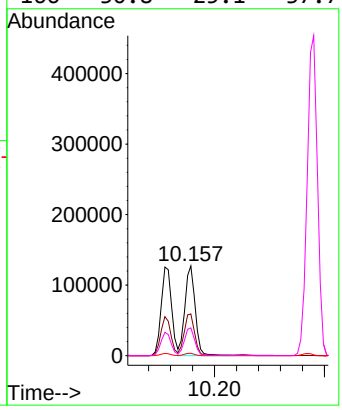


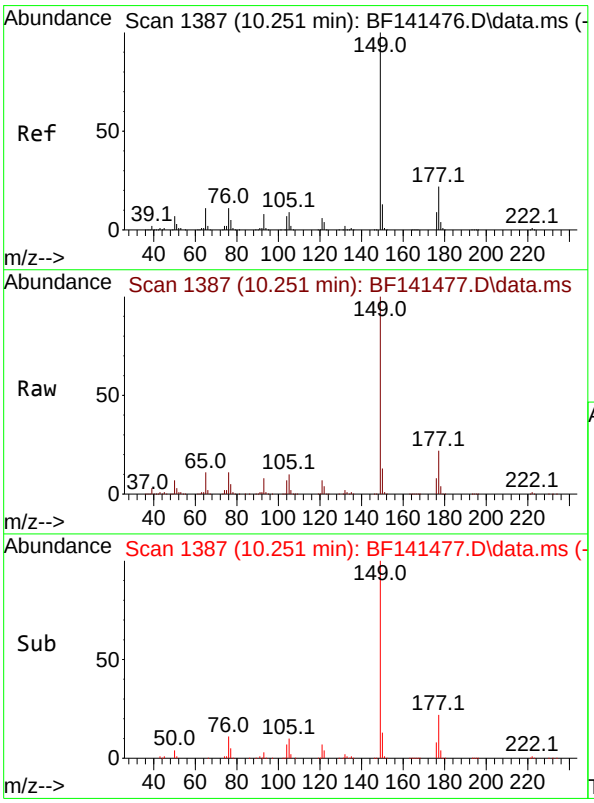
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 165559

Ion	Ratio	Lower	Upper
232	100		
131	46.7	39.2	58.8
130	2.6	2.1	3.1
166	30.8	25.1	37.7

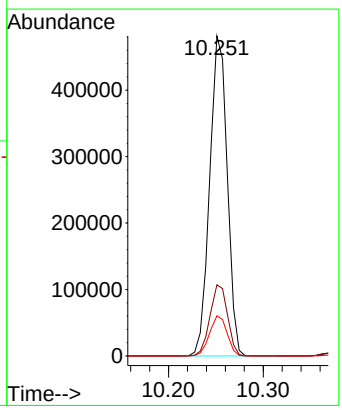


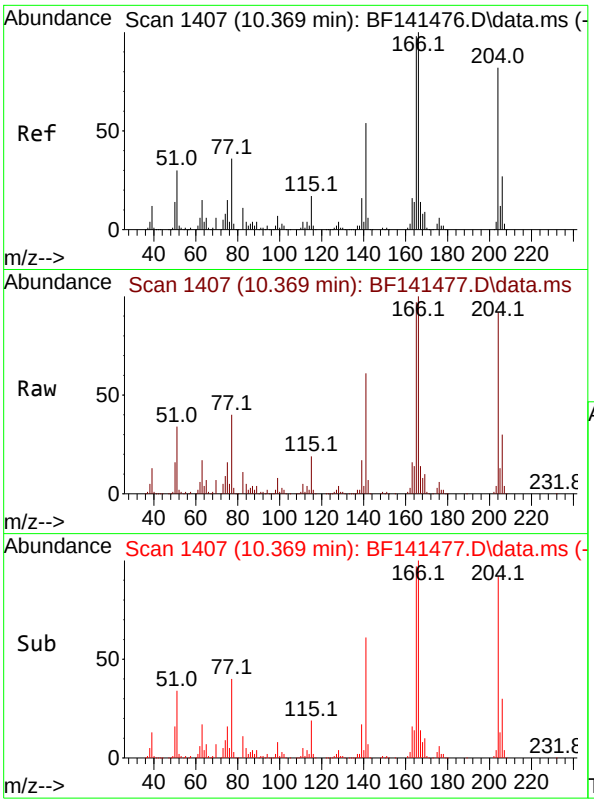


#60
Diethylphthalate
Concen: 48.647 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 619064

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.5	10.1	15.1



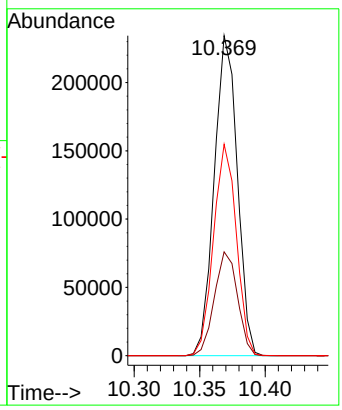


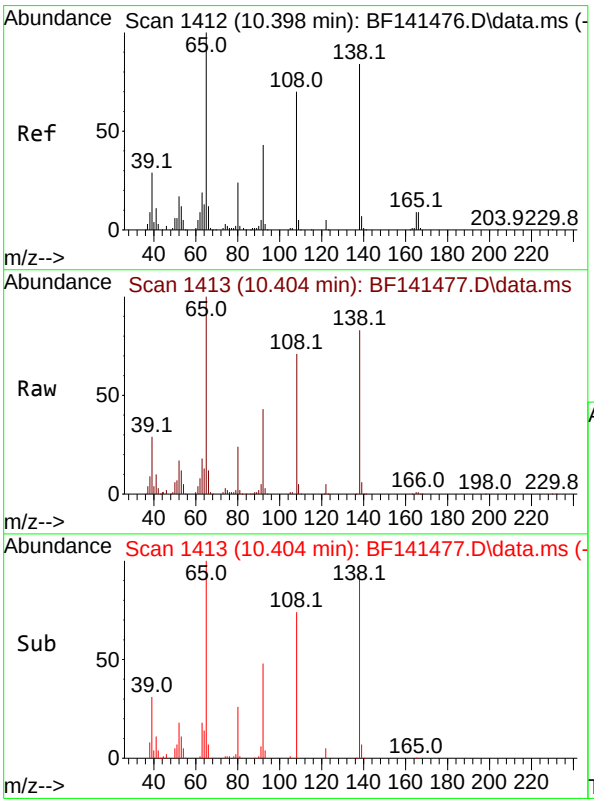
#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 286530

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	66.0	51.9	77.9

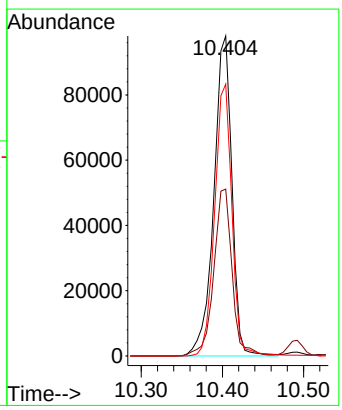


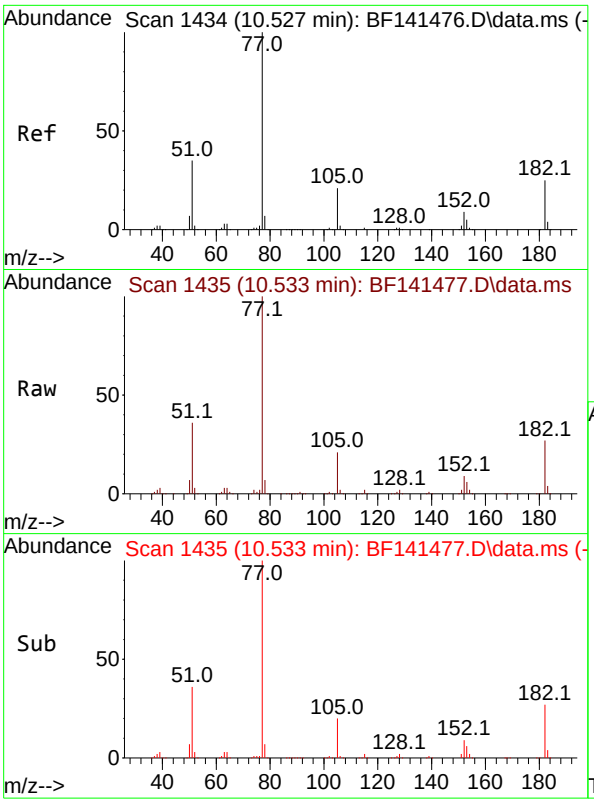


#62
4-Nitroaniline
Concen: 49.113 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:138 Resp: 151765

Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.3	71.3
108	84.9	63.7	103.7



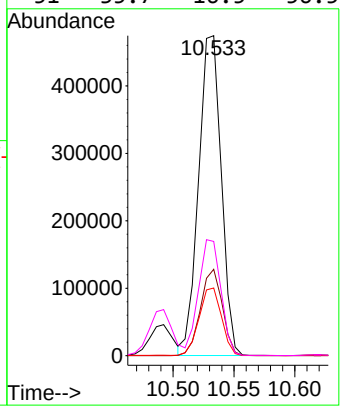


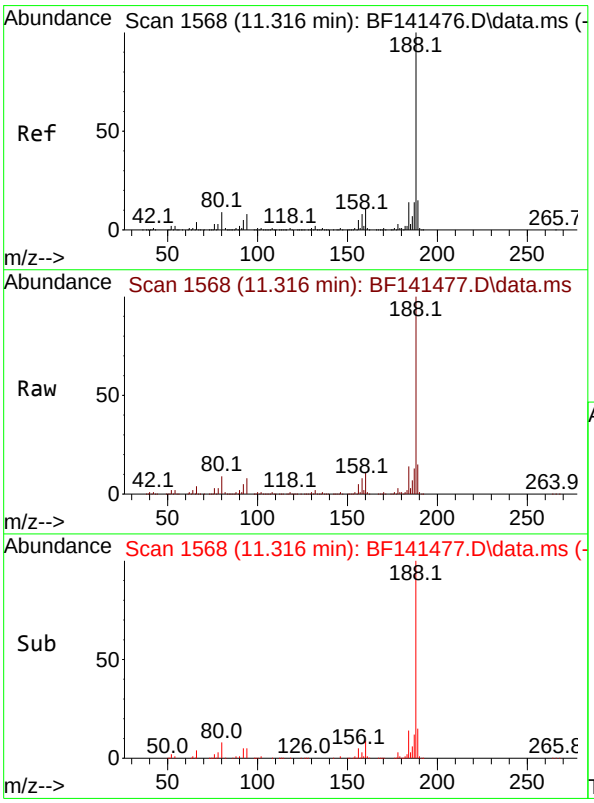
#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 616638

Ion	Ratio	Lower	Upper
77	100		
182	27.0	4.7	44.7
105	21.1	0.4	40.4
51	35.7	16.5	56.5

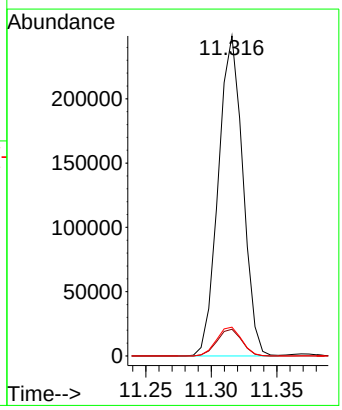


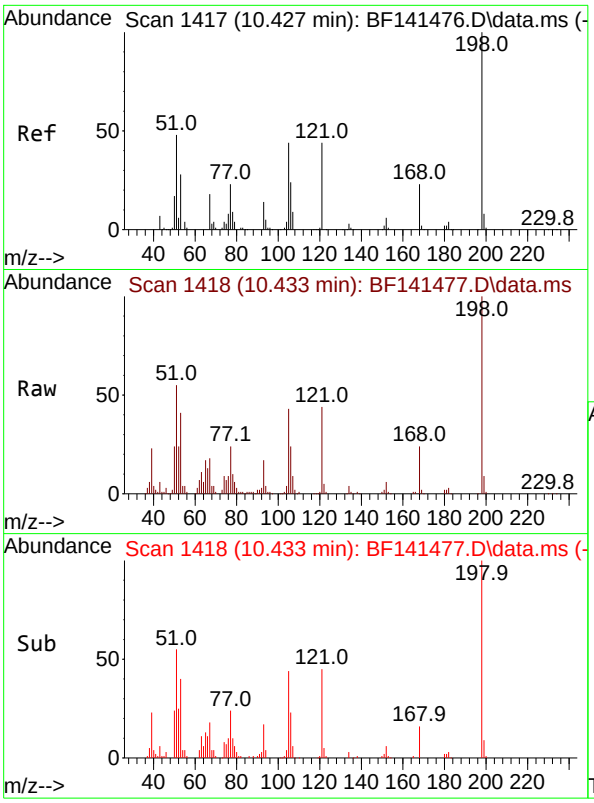


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:188 Resp: 323702

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.0	7.3	10.9



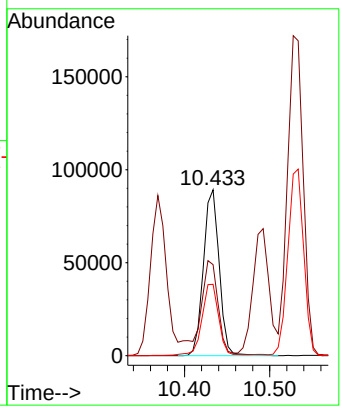


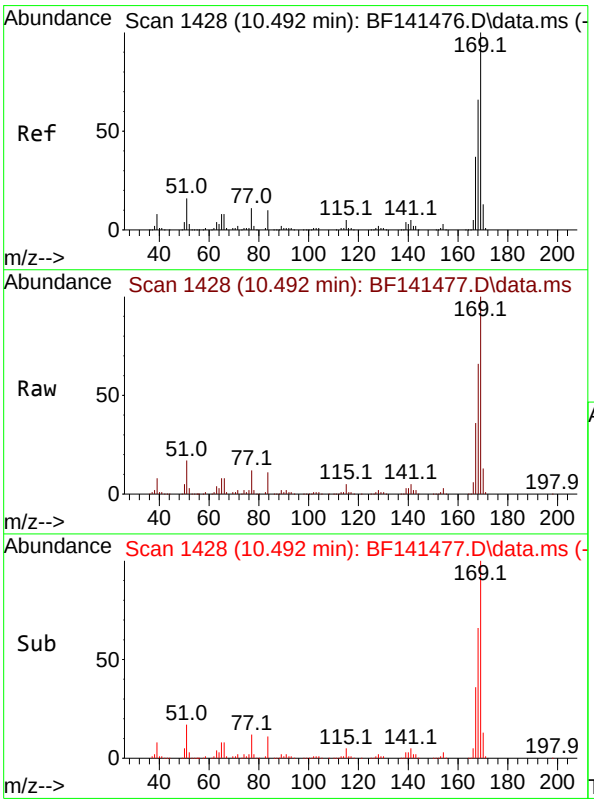
#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 114725

Ion	Ratio	Lower	Upper
198	100		
51	54.9	37.4	77.4
105	43.0	25.2	65.2

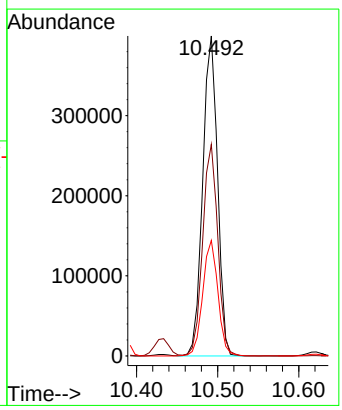


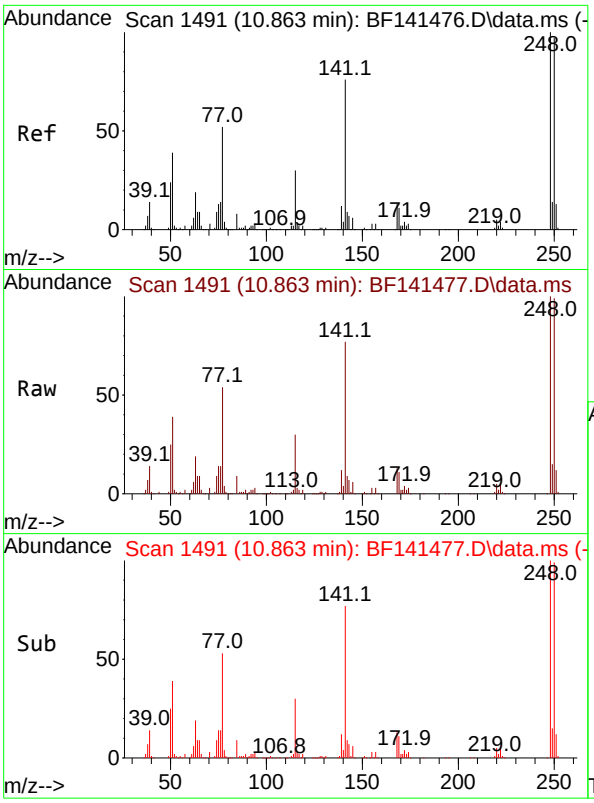


#66
n-Nitrosodiphenylamine
Concen: 48.810 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:169 Resp: 505770

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.3	79.9
167	36.1	29.4	44.2



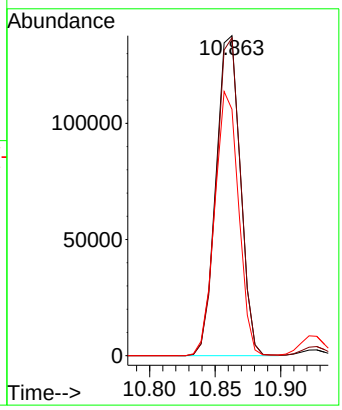


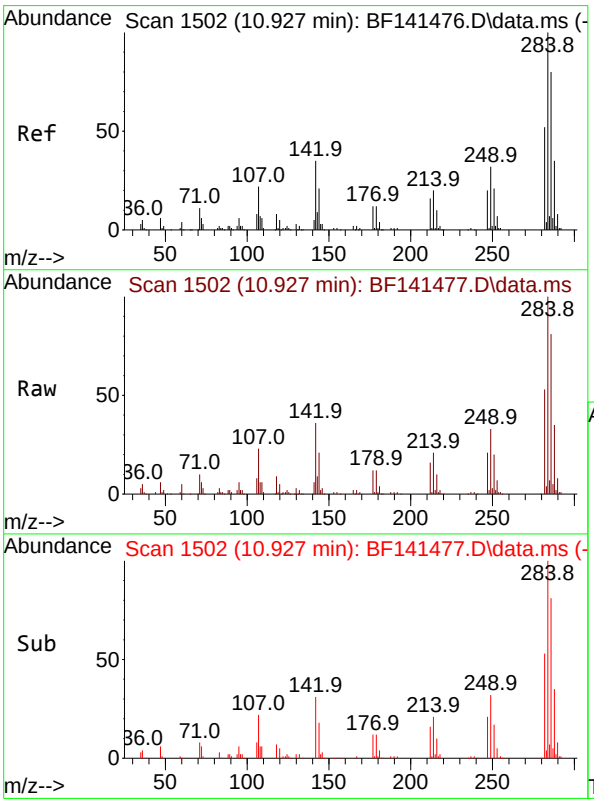
#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 177761

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.8	116.6
141	77.0	60.6	90.8

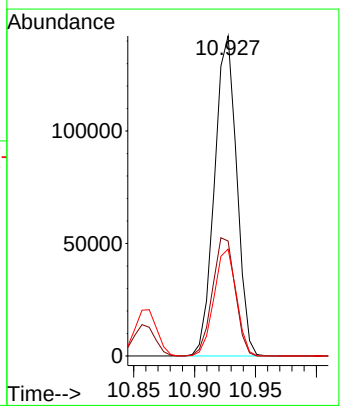


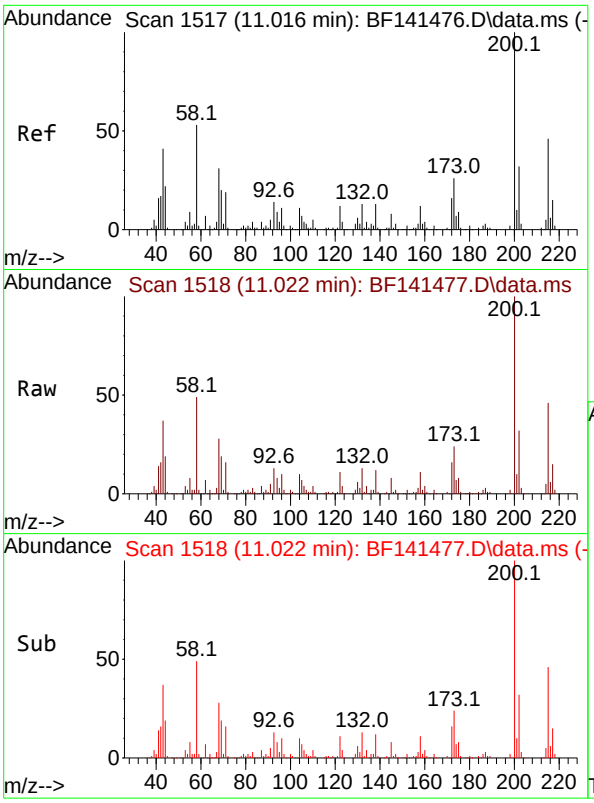


#68
Hexachlorobenzene
Concen: 48.567 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:284 Resp: 180930

Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.0	42.0
249	33.4	25.8	38.8



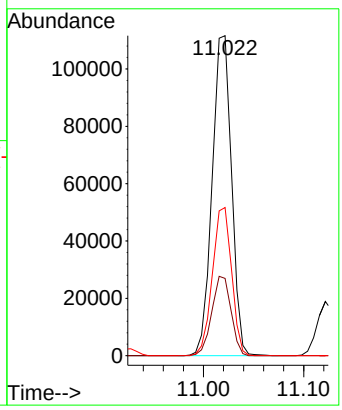


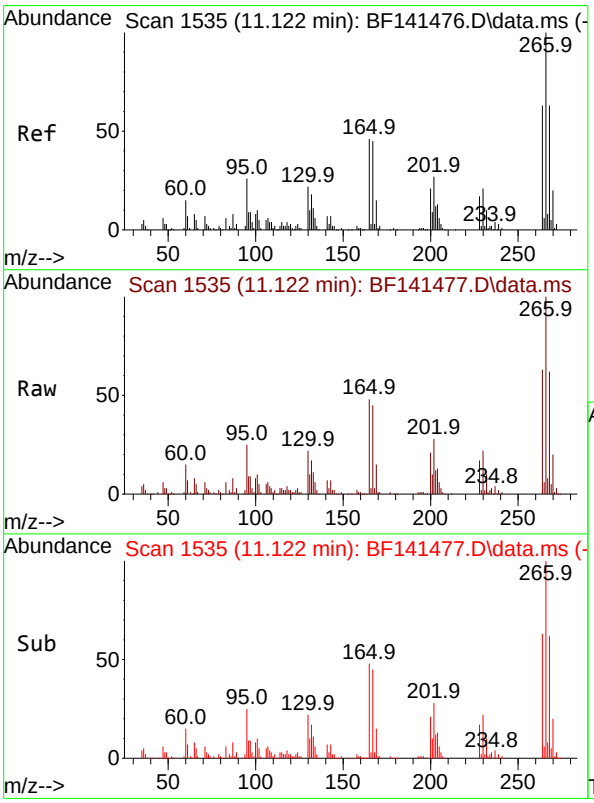
#69
Atrazine
Concen: 48.175 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 149758

Ion	Ratio	Lower	Upper
200	100		
173	24.2	5.9	45.9
215	46.3	25.9	65.9

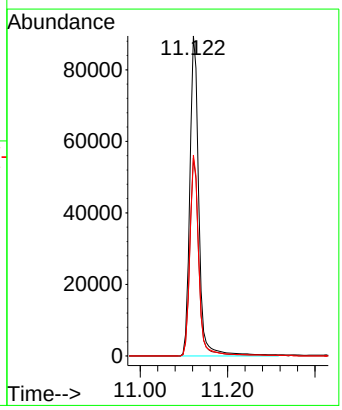


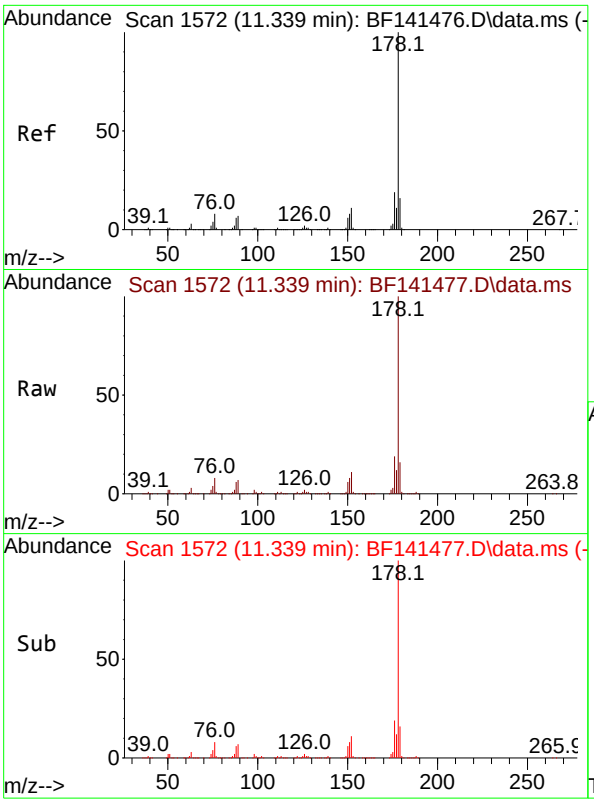


#70
Pentachlorophenol
Concen: 53.769 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:266 Resp: 128081

Ion	Ratio	Lower	Upper
266	100		
268	61.8	50.1	75.1
264	62.8	50.1	75.1



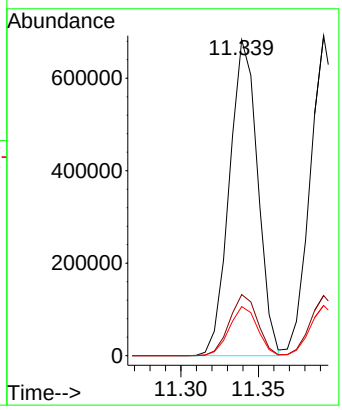


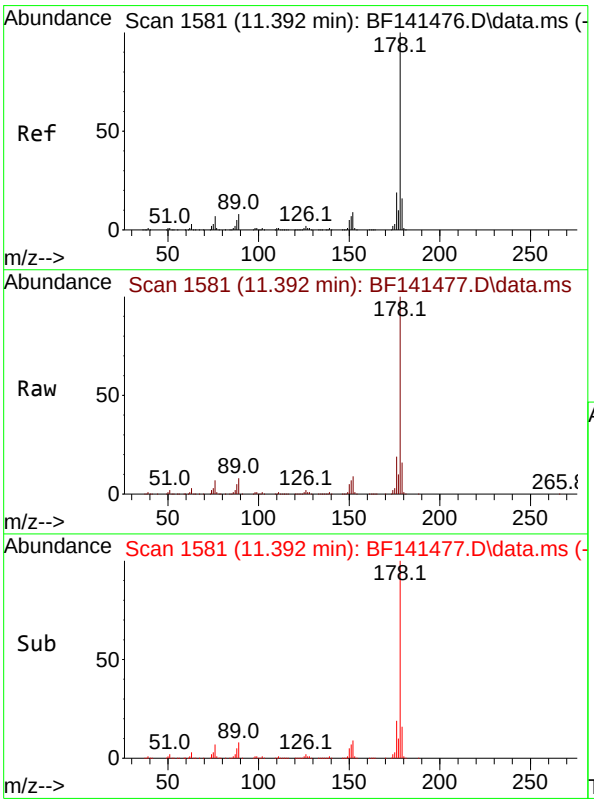
#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 866517

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.4	18.6

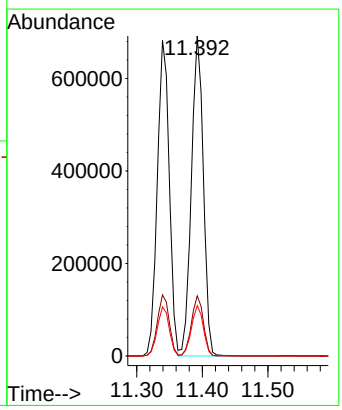


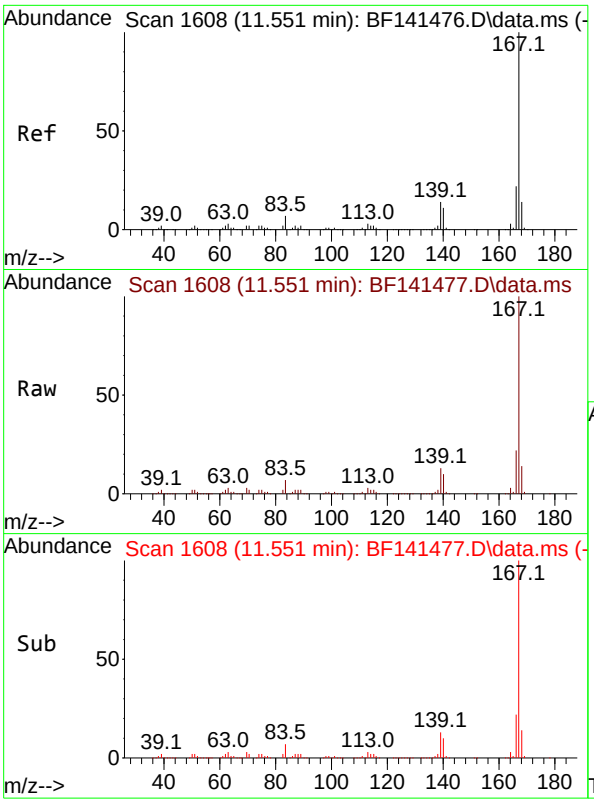


#72
Anthracene
Concen: 48.984 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:178 Resp: 877393

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.7	12.4	18.6



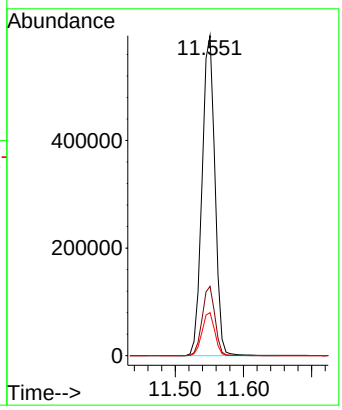


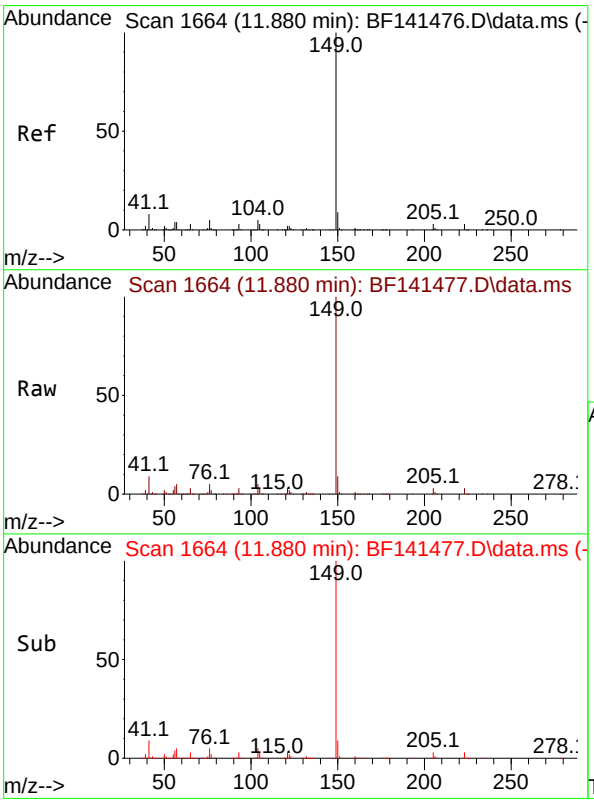
#73
Carbazole
Concen: 48.504 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 781733

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.5	10.9	16.3

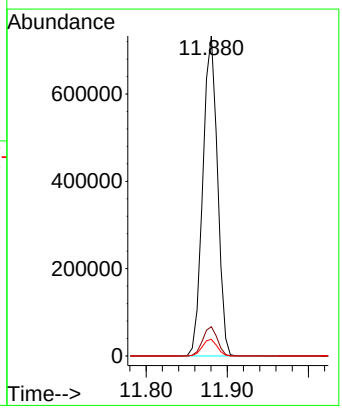


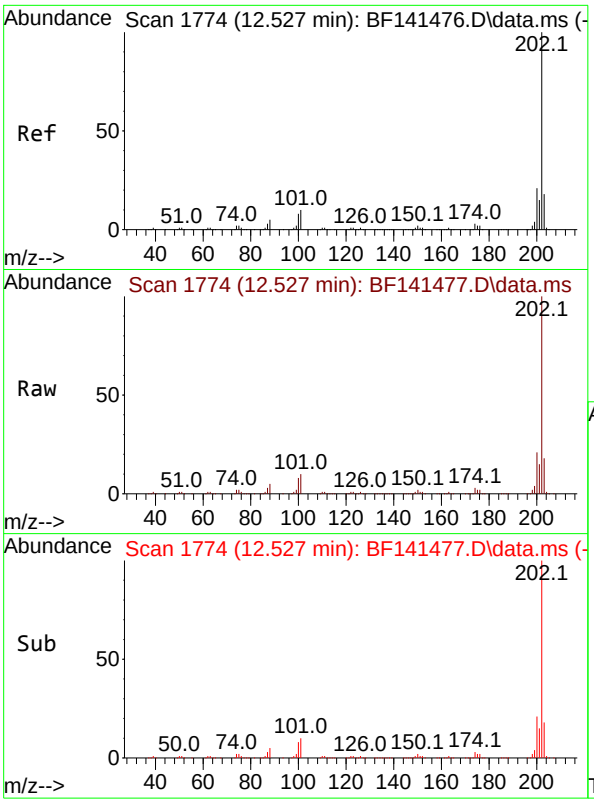


#74
Di-n-butylphthalate
Concen: 49.210 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 915782

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



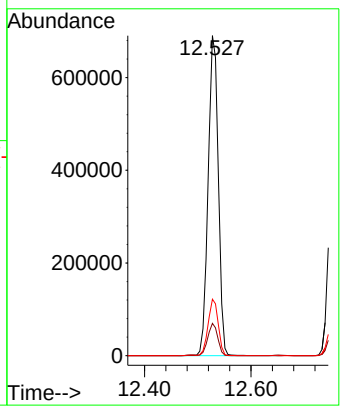


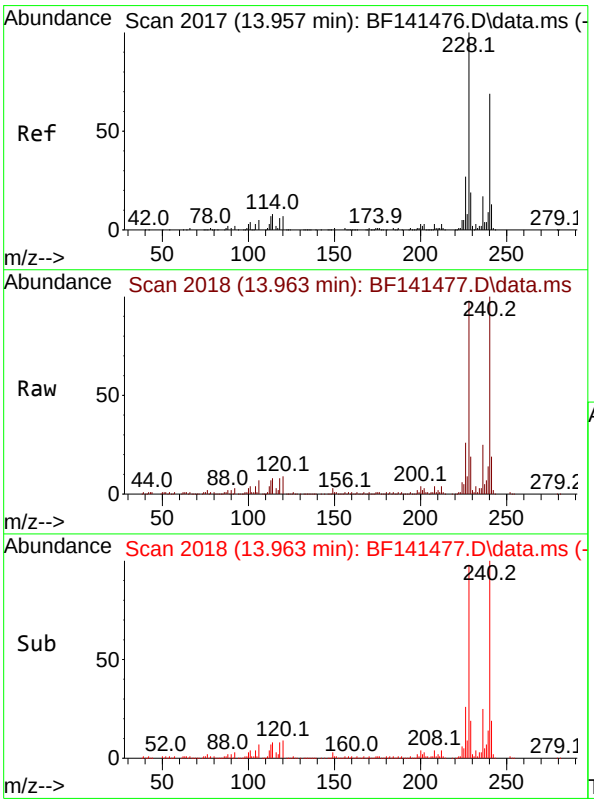
#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 913699

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.6	0.0	37.6

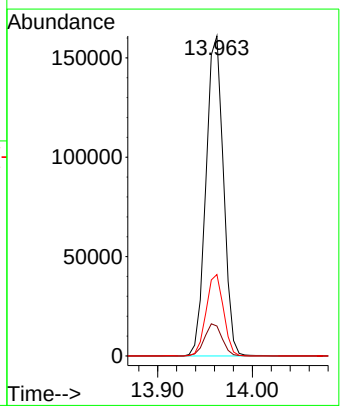


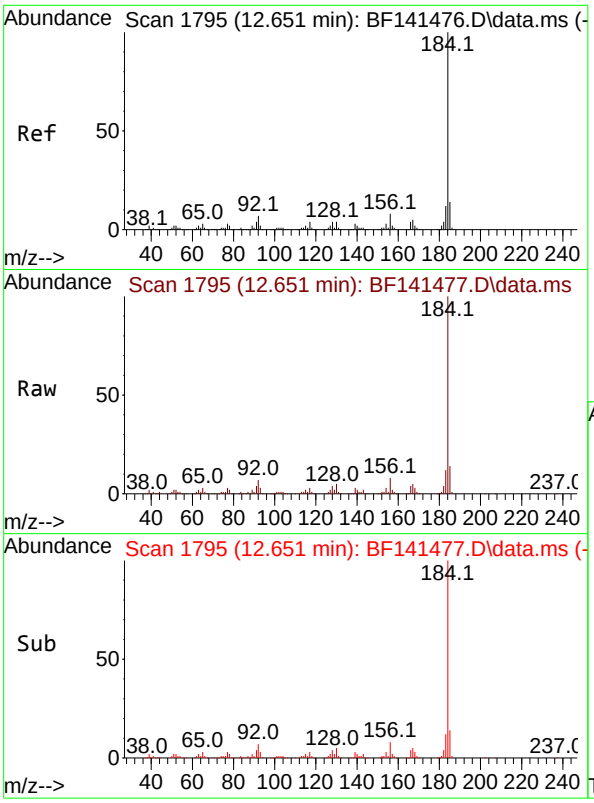


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:240 Resp: 205879

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.0	12.0
236	25.4	19.8	29.8



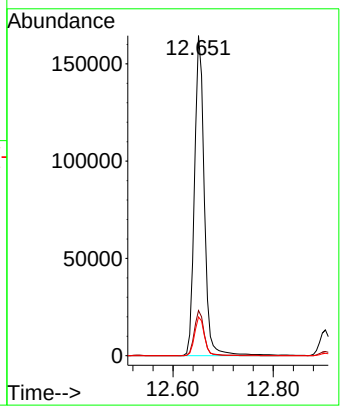


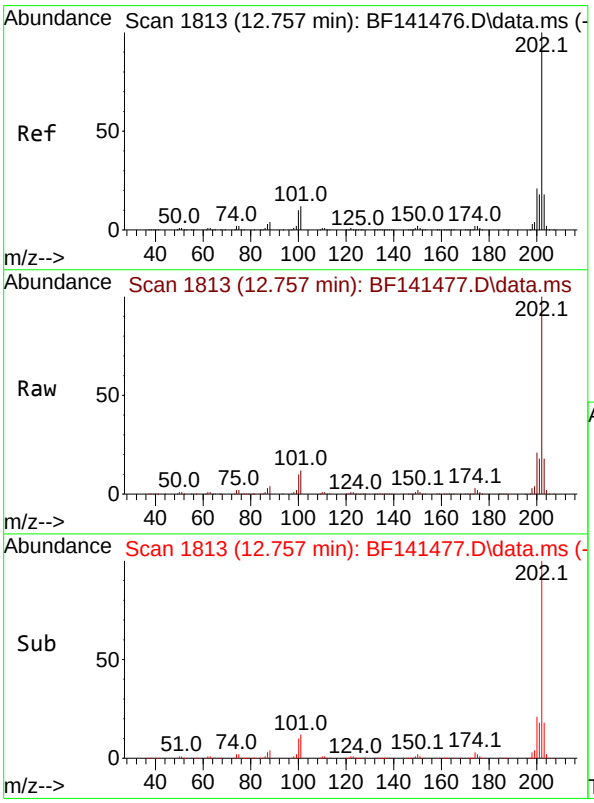
#77
Benzidine
Concen: 49.026 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 222606

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	12.1	9.3	13.9

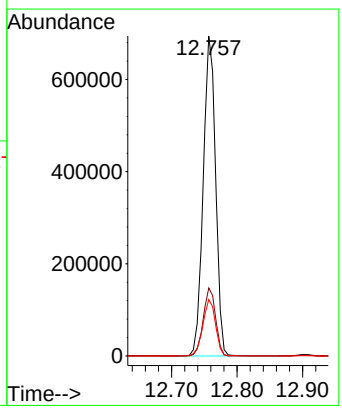


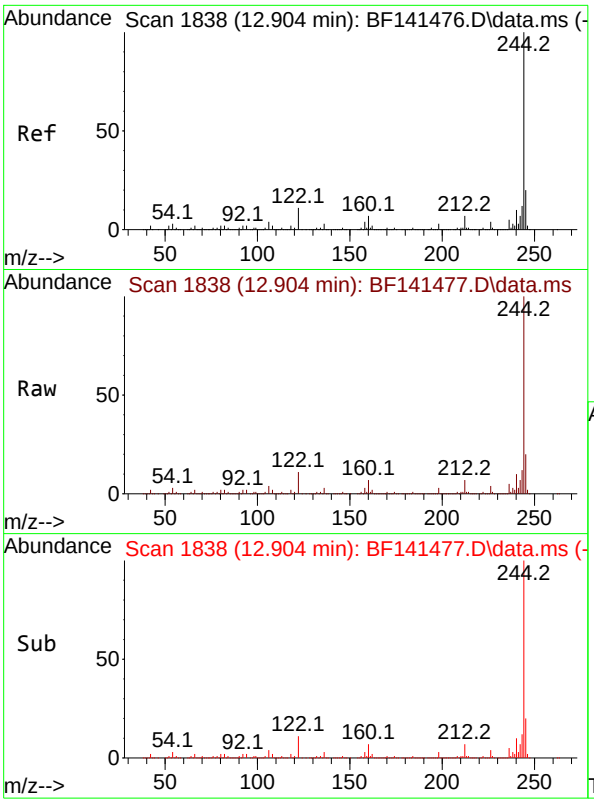


#78
Pyrene
Concen: 52.106 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:202 Resp: 913198

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.6	14.3	21.5



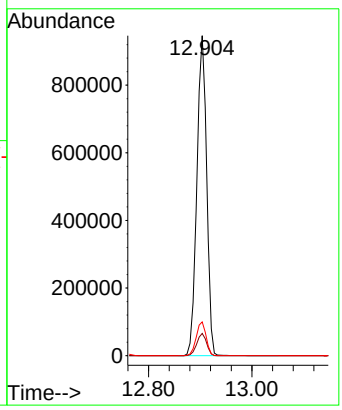


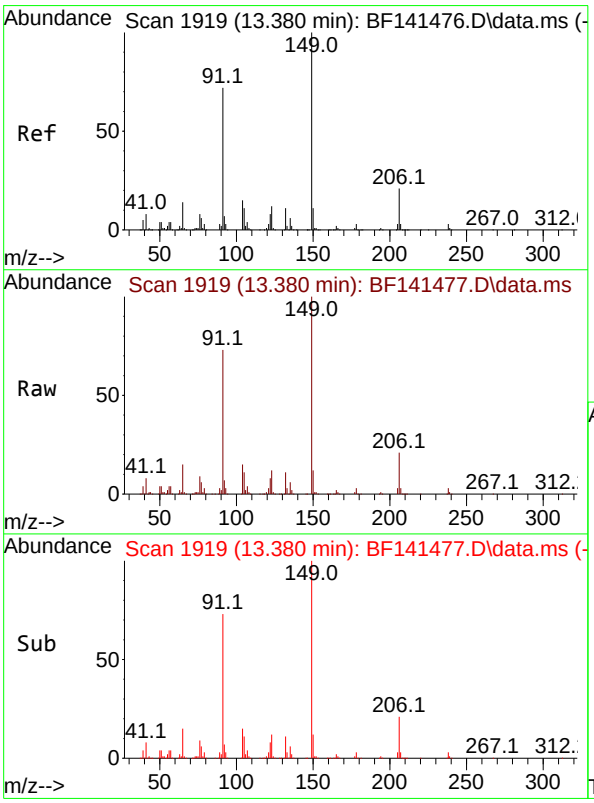
#79
Terphenyl-d14
Concen: 102.010 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1244053

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.5	8.4	12.6

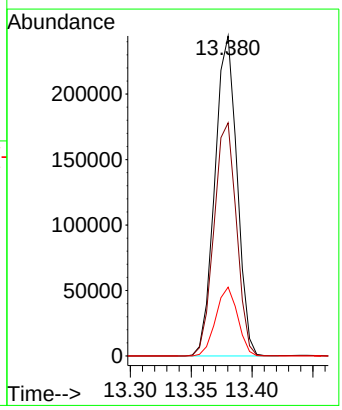


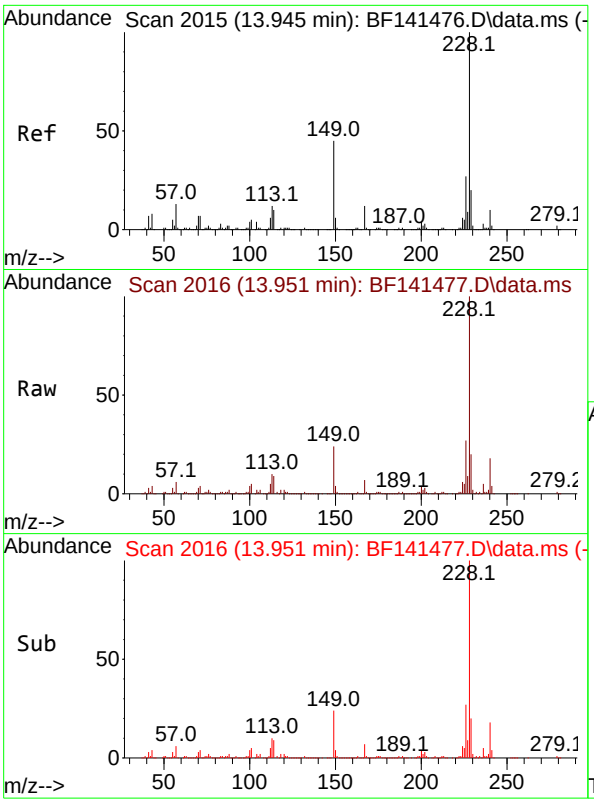


#80
Butylbenzylphthalate
Concen: 51.168 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 310612

Ion	Ratio	Lower	Upper
149	100		
91	72.8	57.8	86.8
206	21.5	16.7	25.1



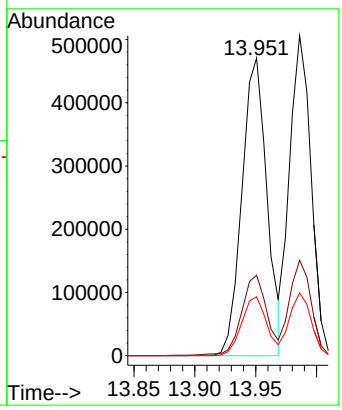


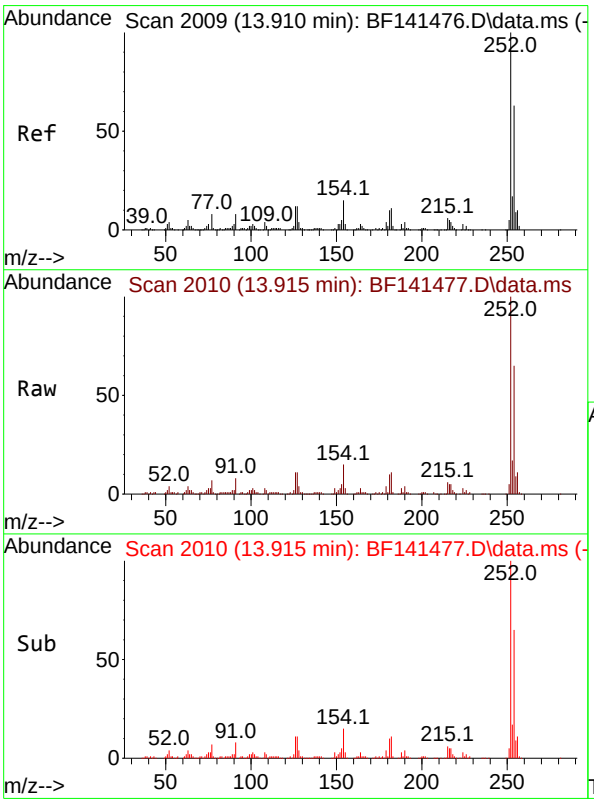
#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 673785

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	15.8	23.6

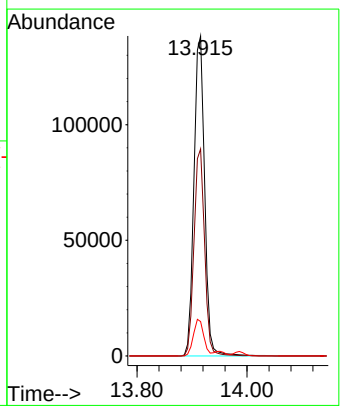


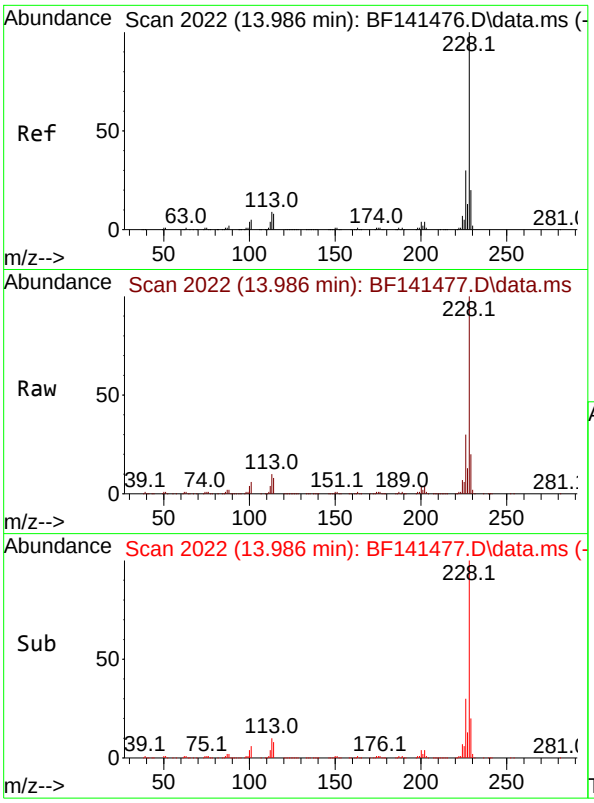


#82
3,3'-Dichlorobenzidine
Concen: 47.650 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 186802

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	76.0
126	10.8	9.3	13.9



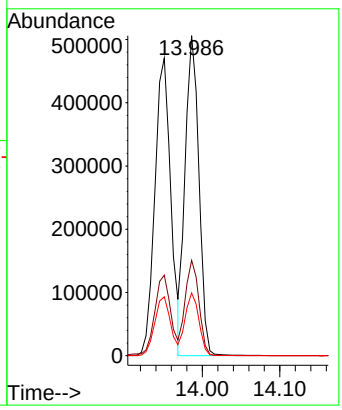


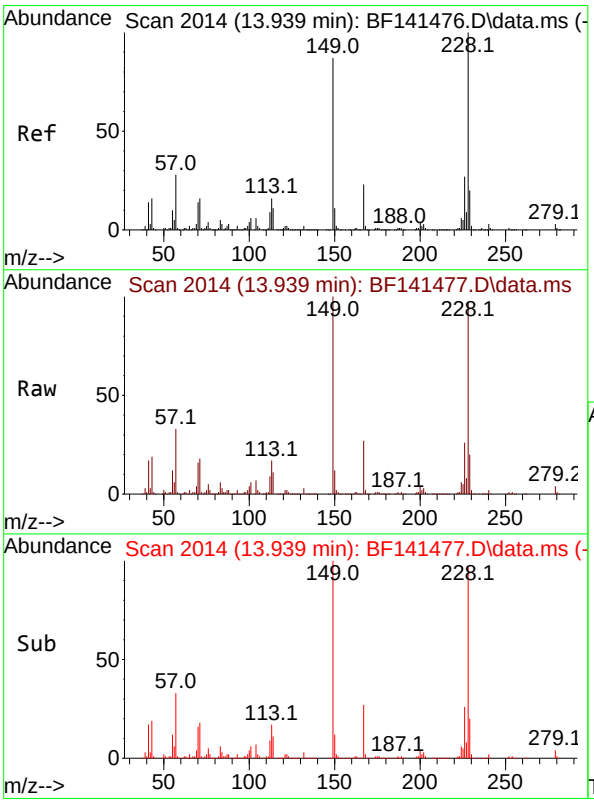
#83
Chrysene
Concen: 49.505 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 625572

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.6	15.7	23.5

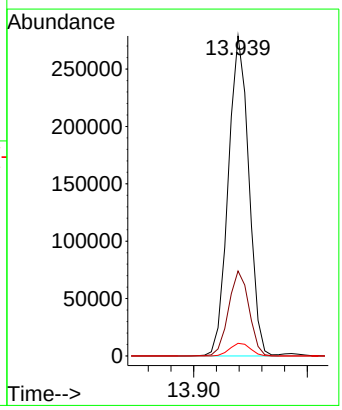


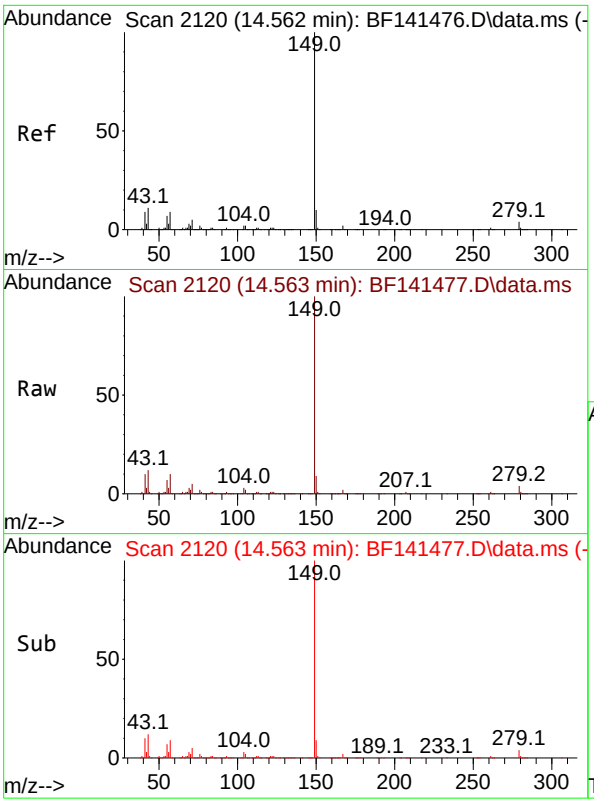


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.138 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:149 Resp: 350121

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.0	3.1	4.7



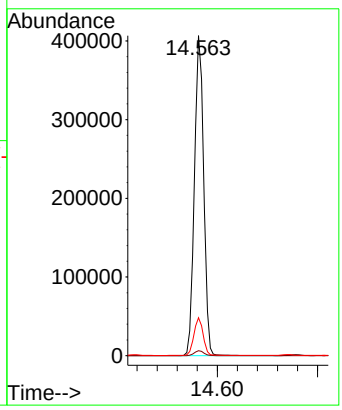


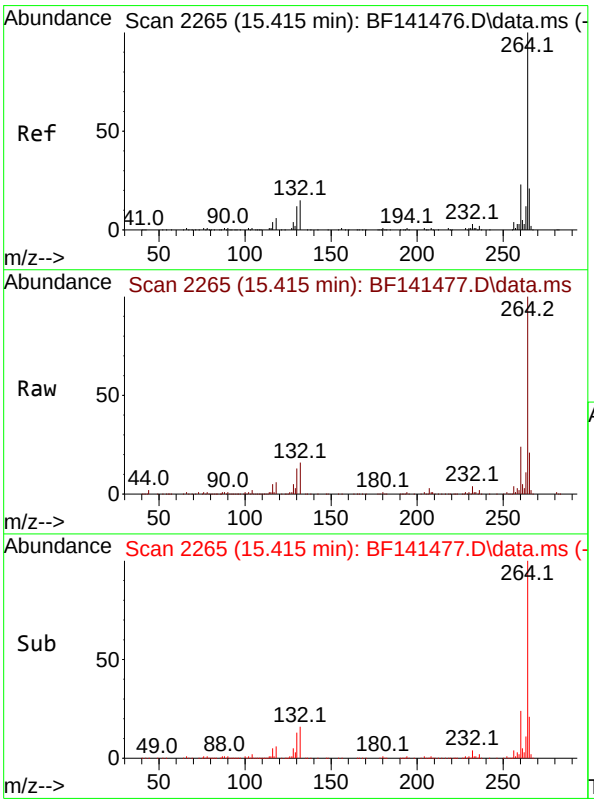
#85
Di-n-octyl phthalate
Concen: 53.213 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 519741

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3

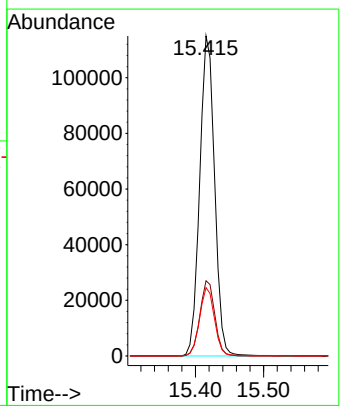


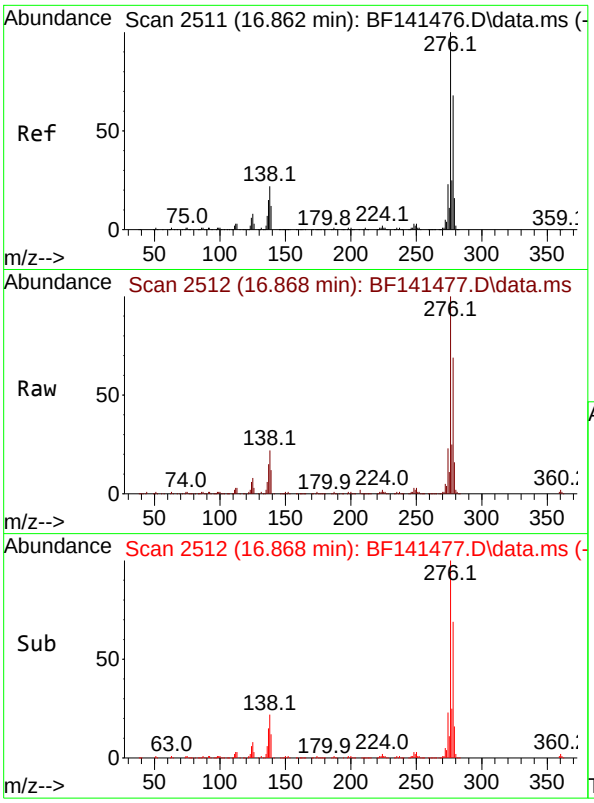


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:264 Resp: 174906

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.3	17.0	25.4



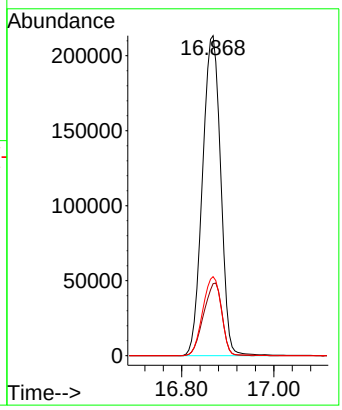


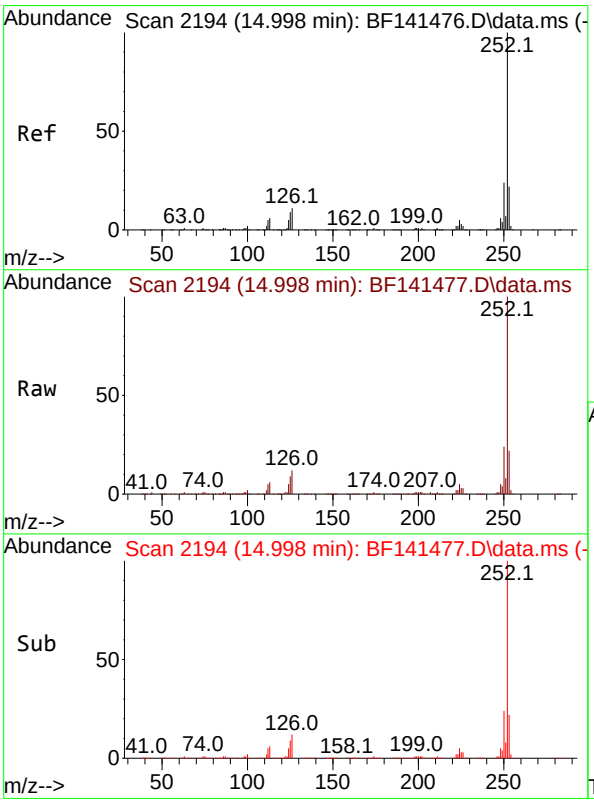
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.277 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 586584

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.0	27.0
277	25.2	20.4	30.6

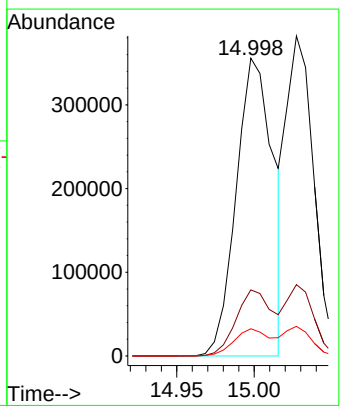


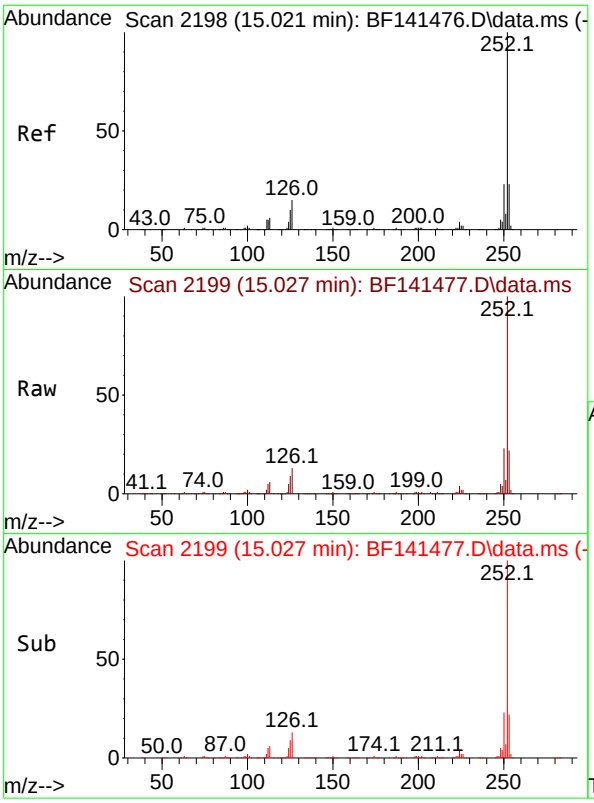


#88
Benzo(b)fluoranthene
Concen: 50.251 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 590149

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.2	7.0	10.6



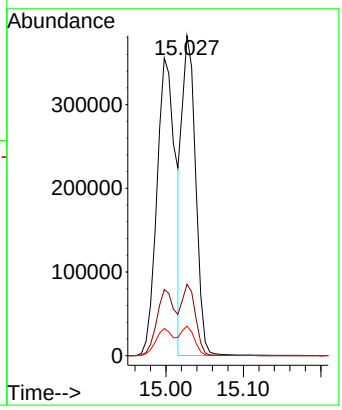


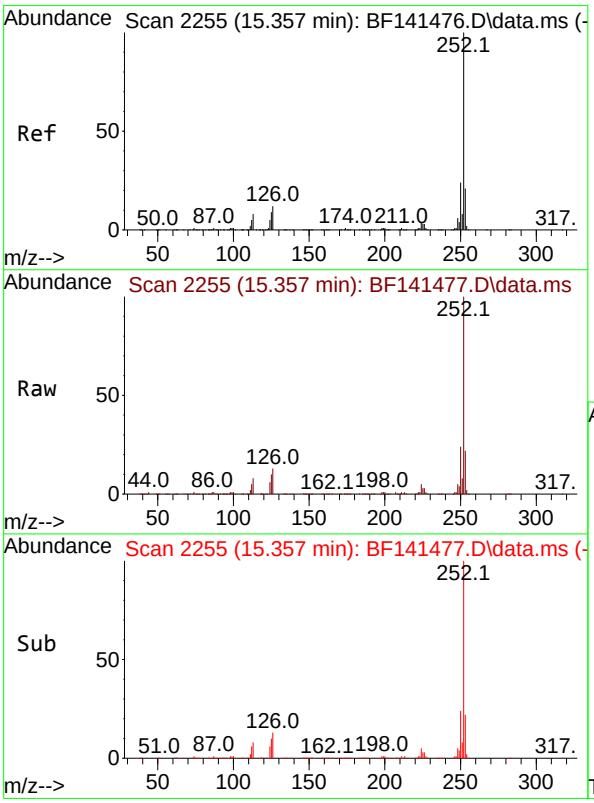
#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 469466

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	9.2	7.4	11.0

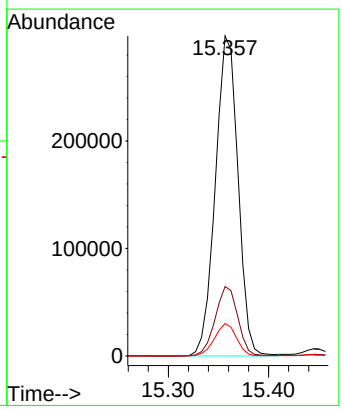


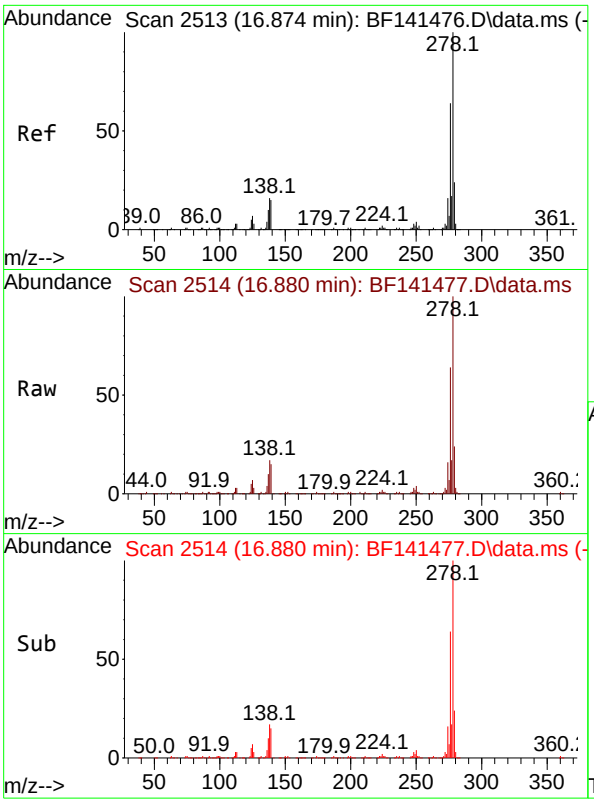


#90
Benzo(a)pyrene
Concen: 49.173 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:252 Resp: 467288

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	10.2	7.4	11.2



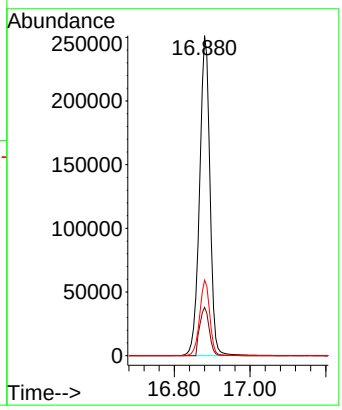


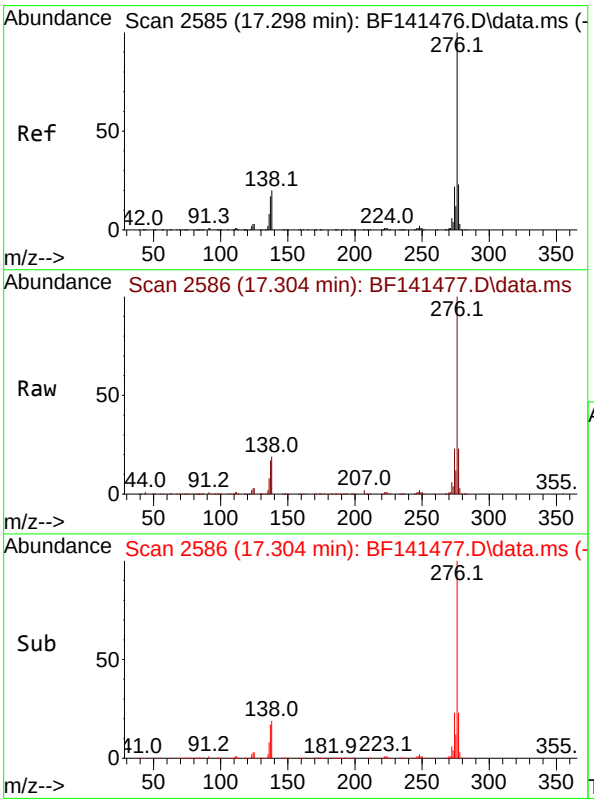
#91
Dibenzo(a,h)anthracene
Concen: 54.503 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 477285

Ion	Ratio	Lower	Upper
278	100		
139	15.1	11.8	17.6
279	23.6	19.1	28.7

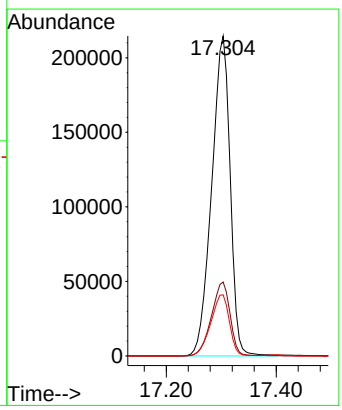




#92
Benzo(g,h,i)perylene
Concen: 54.592 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:276 Resp: 500274

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.1	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	88704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	344609	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	186729	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	321893	20.000	ng	0.00
76) Chrysene-d12	13.962	240	197108	20.000	ng	0.00
86) Perylene-d12	15.415	264	171026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	672709	118.894	ng	0.00
7) Phenol-d6	6.434	99	843410	117.937	ng	0.00
23) Nitrobenzene-d5	7.357	82	788550	119.351	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	225049	119.976	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1410277	116.358	ng	0.00
79) Terphenyl-d14	12.904	244	1459213	124.977	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	138751	60.929	ng	99
3) Pyridine	3.210	79	335519	61.916	ng	99
4) n-Nitrosodimethylamine	3.175	42	225031	62.715	ng	98
6) Aniline	6.457	93	397494	59.254	ng	99
8) 2-Chlorophenol	6.581	128	358027	58.561	ng	97
9) Benzaldehyde	6.339	77	187887	49.441	ng	100
10) Phenol	6.451	94	437528	58.782	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	335957	60.093	ng	99
12) 1,3-Dichlorobenzene	6.734	146	380433	58.941	ng	98
13) 1,4-Dichlorobenzene	6.810	146	382812	58.050	ng	98
14) 1,2-Dichlorobenzene	6.963	146	357837	58.465	ng	99
15) Benzyl Alcohol	6.939	79	324244	59.125	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	553943	57.883	ng	91
17) 2-Methylphenol	7.057	107	283563	59.272	ng	97
18) Hexachloroethane	7.304	117	144816	59.337	ng	96
19) n-Nitroso-di-n-propyla...	7.210	70	250412	58.540	ng	99
20) 3+4-Methylphenols	7.210	107	350980	57.722	ng	92
22) Acetophenone	7.204	105	504294	58.828	ng	99
24) Nitrobenzene	7.381	77	387174	60.096	ng	100
25) Isophorone	7.616	82	638004	60.562	ng	99
26) 2-Nitrophenol	7.692	139	199140	62.128	ng	97
27) 2,4-Dimethylphenol	7.733	122	227803	60.836	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	404195	59.877	ng	100
29) 2,4-Dichlorophenol	7.939	162	301959	59.683	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	328150	59.561	ng	99
31) Naphthalene	8.098	128	1056367	58.889	ng	100
32) Benzoic acid	7.875	122	250995	64.532	ng	99
33) 4-Chloroaniline	8.151	127	376211	60.070	ng	99
34) Hexachlorobutadiene	8.210	225	197955	59.849	ng	99
35) Caprolactam	8.533	113	94415	61.291	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	335897	59.935	ng	99
37) 2-Methylnaphthalene	8.786	142	688021	58.941	ng	99
38) 1-Methylnaphthalene	8.886	142	661628	58.522	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	321763	59.560	ng	99
41) Hexachlorocyclopentadiene	8.939	237	120063	66.819	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	211702	60.632	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

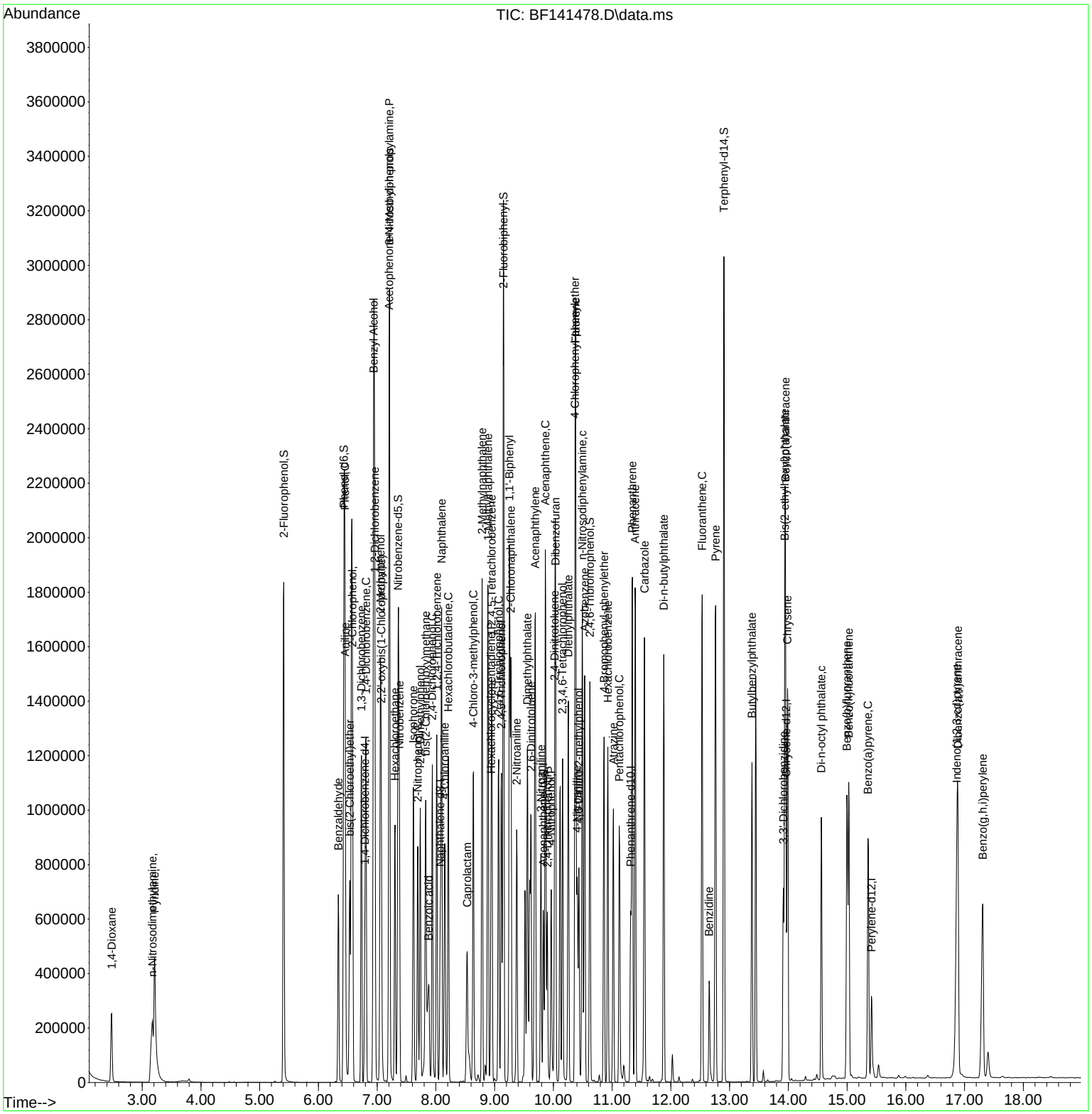
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	229006	60.519	ng	98
46) 1,1'-Biphenyl	9.251	154	861067	59.479	ng	100
47) 2-Chloronaphthalene	9.275	162	636511	59.459	ng	99
48) 2-Nitroaniline	9.375	65	224709	62.547	ng	99
49) Acenaphthylene	9.692	152	946382	59.436	ng	100
50) Dimethylphthalate	9.557	163	751128	59.253	ng	99
51) 2,6-Dinitrotoluene	9.622	165	167387	60.403	ng	100
52) Acenaphthene	9.863	154	631289	58.974	ng	99
53) 3-Nitroaniline	9.792	138	179664	60.237	ng	100
54) 2,4-Dinitrophenol	9.898	184	111060	67.432	ng	96
55) Dibenzofuran	10.039	168	915117	58.242	ng	100
56) 4-Nitrophenol	9.963	139	143994	65.035	ng	97
57) 2,4-Dinitrotoluene	10.022	165	222091	60.202	ng	99
58) Fluorene	10.380	166	707371	58.225	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	198636	60.972	ng	99
60) Diethylphthalate	10.257	149	732804	58.755	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	342324	58.570	ng	98
62) 4-Nitroaniline	10.404	138	182946	60.406	ng	96
63) Azobenzene	10.533	77	739338	59.629	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140610	62.884	ng	99
66) n-Nitrosodiphenylamine	10.492	169	603914	58.609	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	213385	59.314	ng	98
68) Hexachlorobenzene	10.927	284	220611	59.552	ng	98
69) Atrazine	11.021	200	175824	56.878	ng	99
70) Pentachlorophenol	11.121	266	153971	65.001	ng	100
71) Phenanthrene	11.345	178	1032075	58.248	ng	100
72) Anthracene	11.392	178	1034181	58.062	ng	99
73) Carbazole	11.551	167	927882	57.896	ng	100
74) Di-n-butylphthalate	11.880	149	1087815	58.783	ng	99
75) Fluoranthene	12.533	202	1053887	56.102	ng	100
77) Benzidine	12.651	184	207602	47.757	ng	99
78) Pyrene	12.763	202	1068624	63.687	ng	99
80) Butylbenzylphthalate	13.380	149	368219	63.357	ng	99
81) Benzo(a)anthracene	13.951	228	774318	59.097	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	208826	55.639	ng	98
83) Chrysene	13.986	228	723815	59.829	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	411979	62.851	ng	100
85) Di-n-octyl phthalate	14.562	149	621505	66.464	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	723493	68.464	ng	100
88) Benzo(b)fluoranthene	14.998	252	695617	60.575	ng	99
89) Benzo(k)fluoranthene	15.027	252	563342	57.449	ng	99
90) Benzo(a)pyrene	15.357	252	561457	60.423	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	584115	68.216	ng	99
92) Benzo(g,h,i)perylene	17.309	276	617241	68.884	ng	99

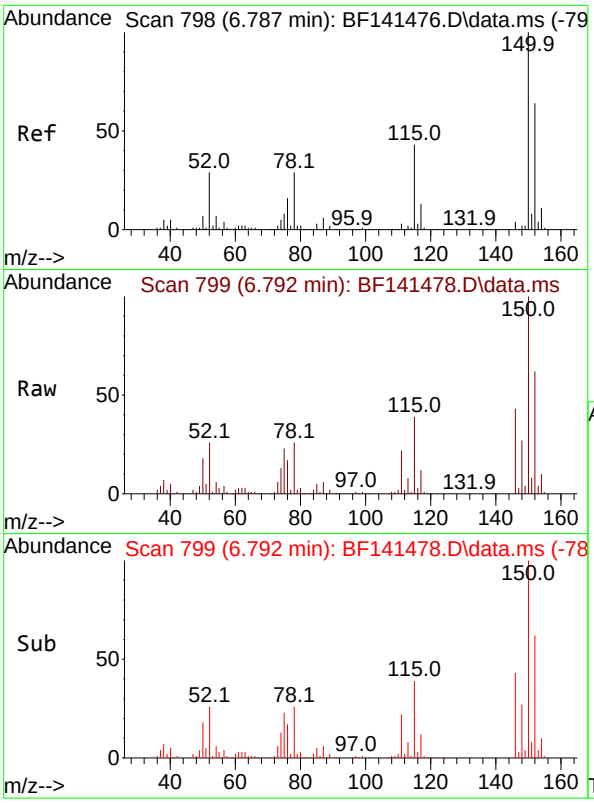
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141478.D
Acq On : 06 Feb 2025 13:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



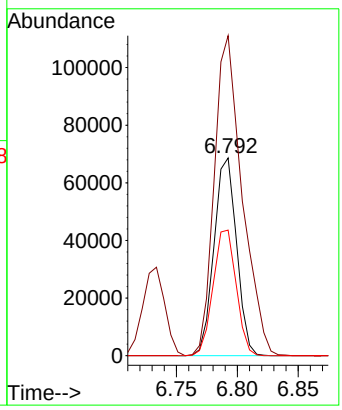


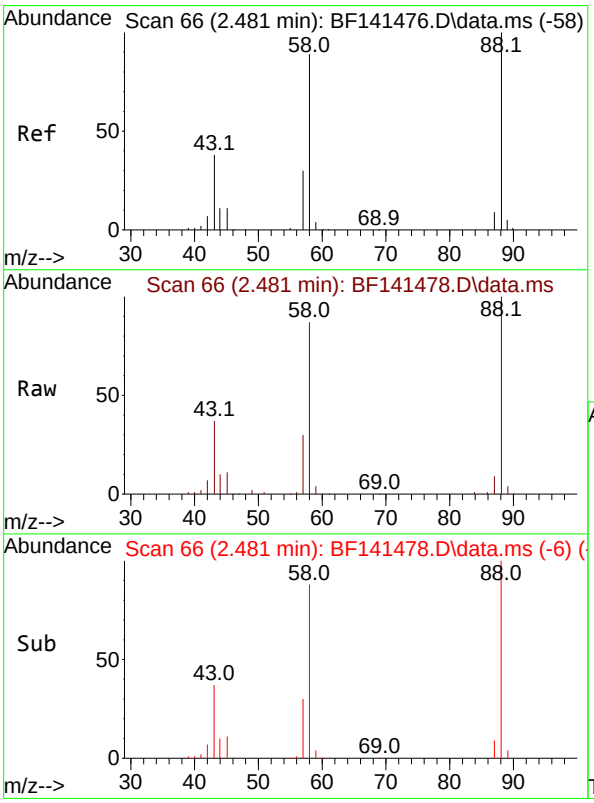
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 88704

Ion	Ratio	Lower	Upper
152	100		
150	161.8	125.0	187.4
115	63.6	53.6	80.4

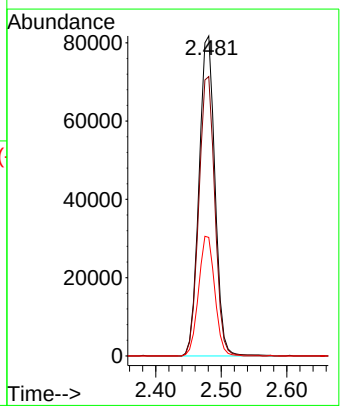


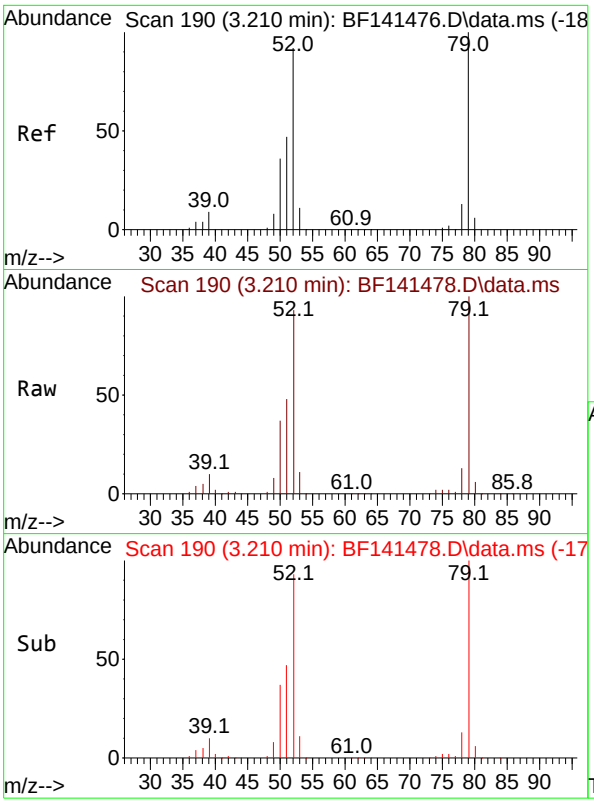


#2
1,4-Dioxane
Concen: 60.929 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 88 Resp: 138751

Ion	Ratio	Lower	Upper
88	100		
58	87.5	71.1	106.7
43	37.9	30.6	46.0



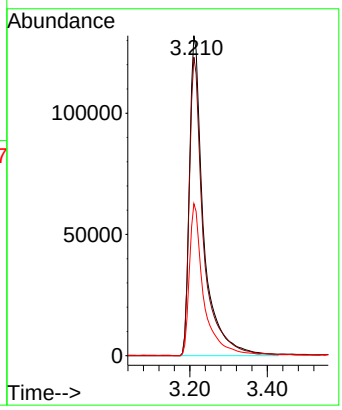


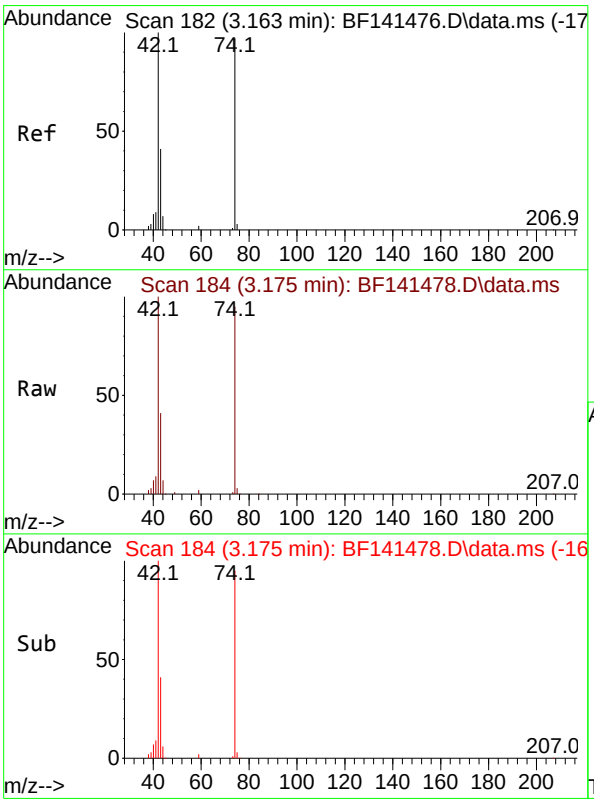
#3
Pyridine
Concen: 61.916 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 335519

Ion	Ratio	Lower	Upper
79	100		
52	93.3	73.7	110.5
51	47.5	37.5	56.3

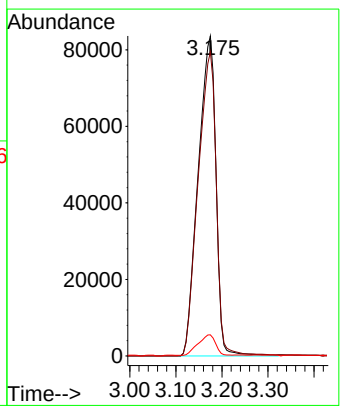


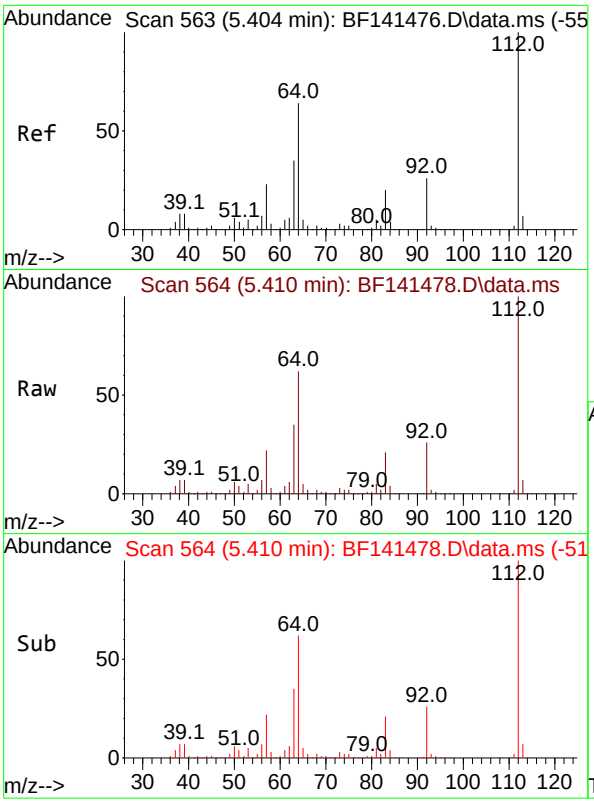


#4
n-Nitrosodimethylamine
Concen: 62.715 ng
RT: 3.175 min Scan# 184
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 42 Resp: 225031

Ion	Ratio	Lower	Upper
42	100		
74	95.0	78.0	117.0
44	6.6	5.4	8.2



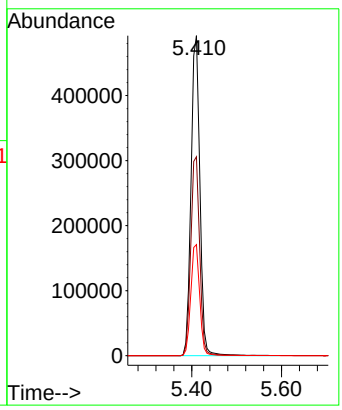


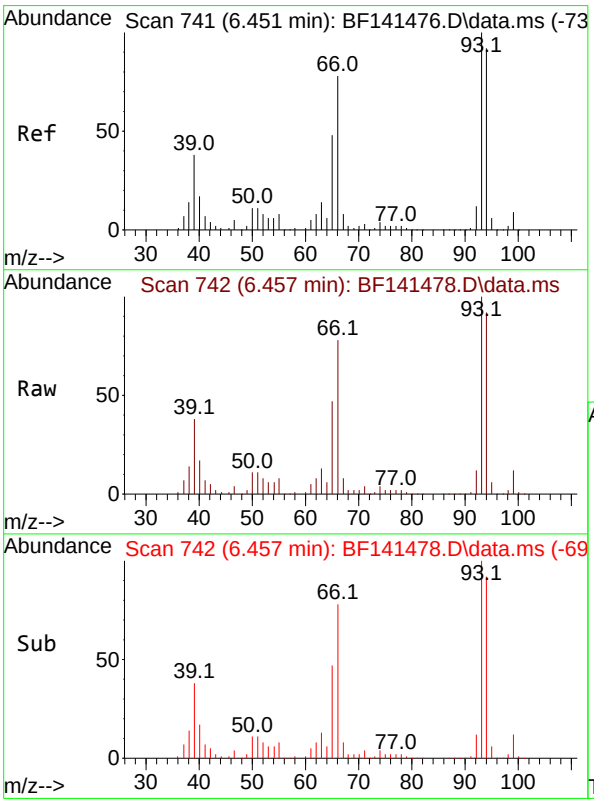
#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 672709

Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.1	76.7
63	34.7	28.4	42.6

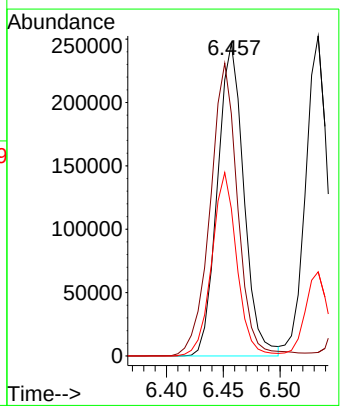


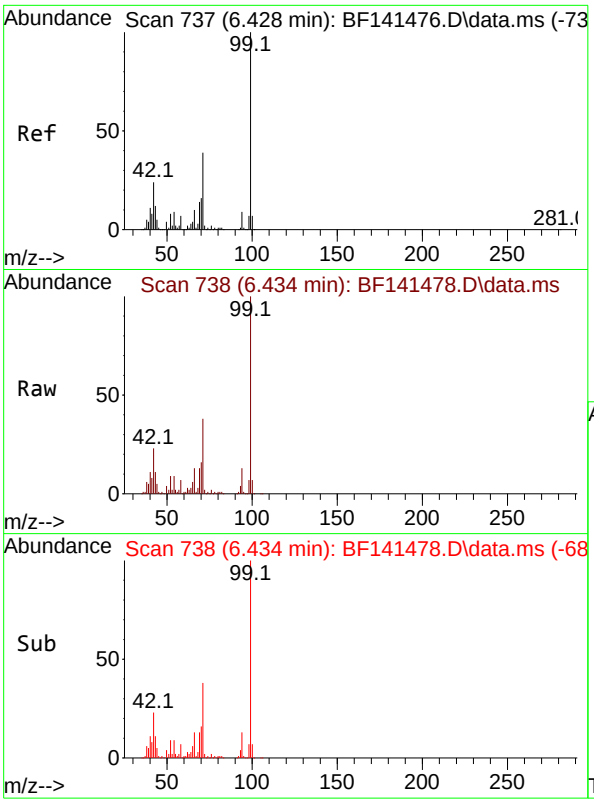


#6
Aniline
Concen: 59.254 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 397494

Ion	Ratio	Lower	Upper
93	100		
66	77.6	62.6	94.0
65	47.2	38.3	57.5



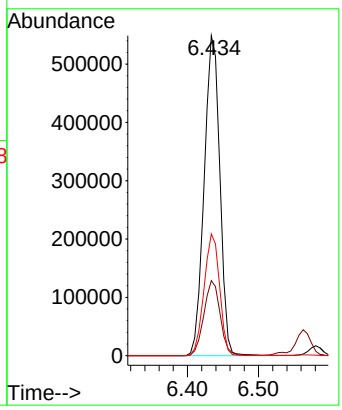


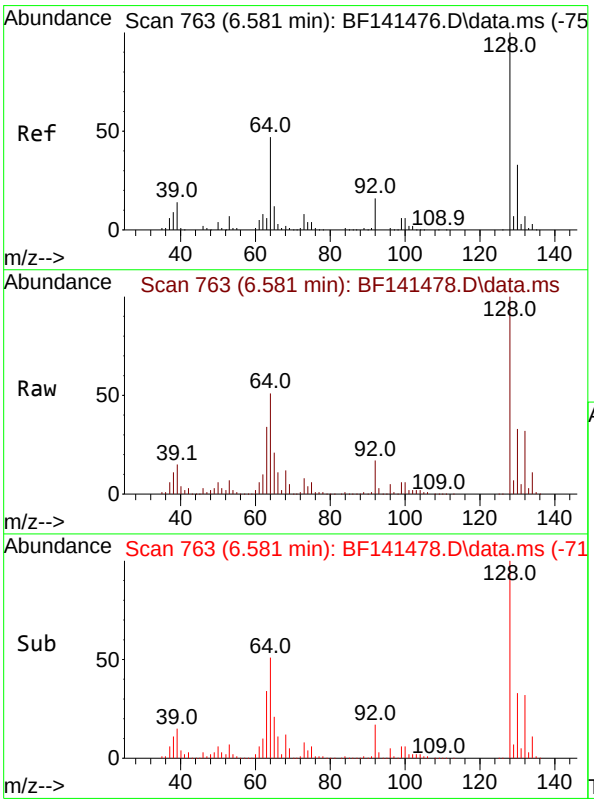
#7
Phenol-d6
Concen: 117.937 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 843410

Ion	Ratio	Lower	Upper
99	100		
42	23.5	19.1	28.7
71	38.0	31.1	46.7

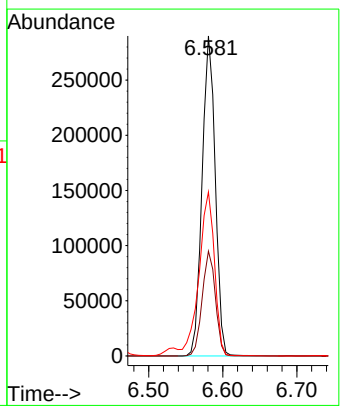


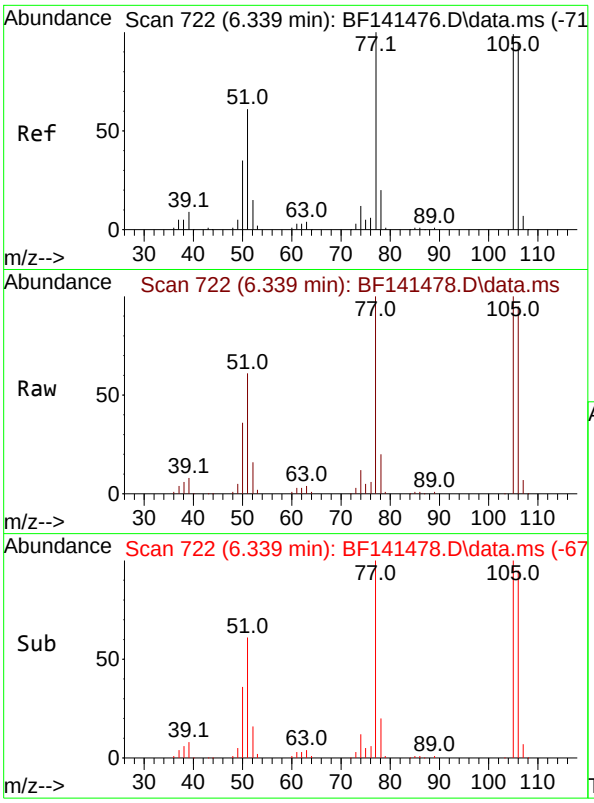


#8
2-Chlorophenol
Concen: 58.561 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:128 Resp: 358027

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	51.3	28.3	68.3



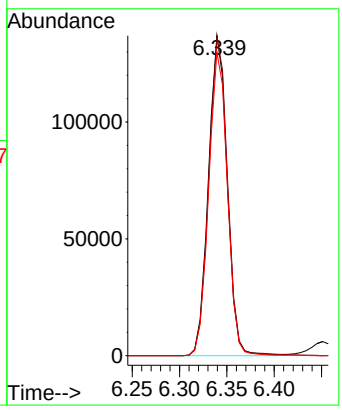


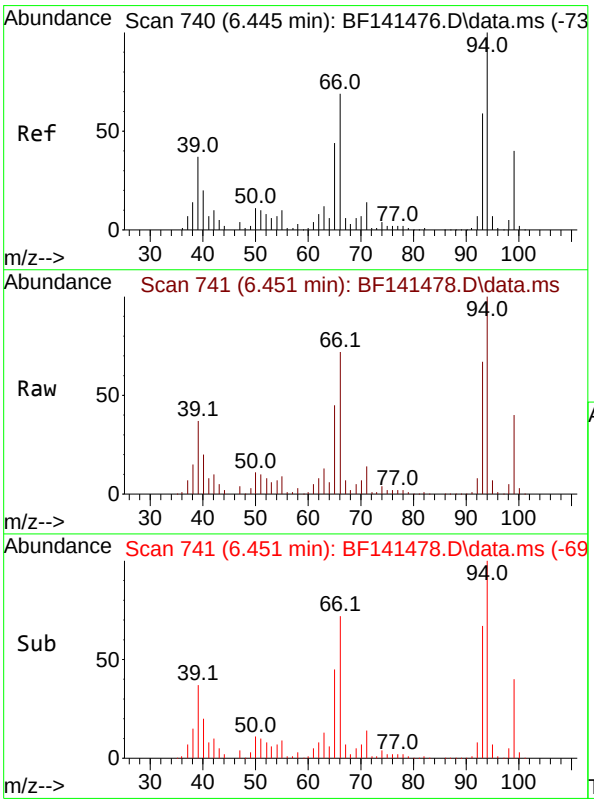
#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 187887

Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.9	75.1	115.1

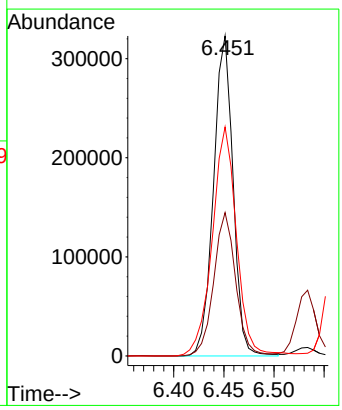


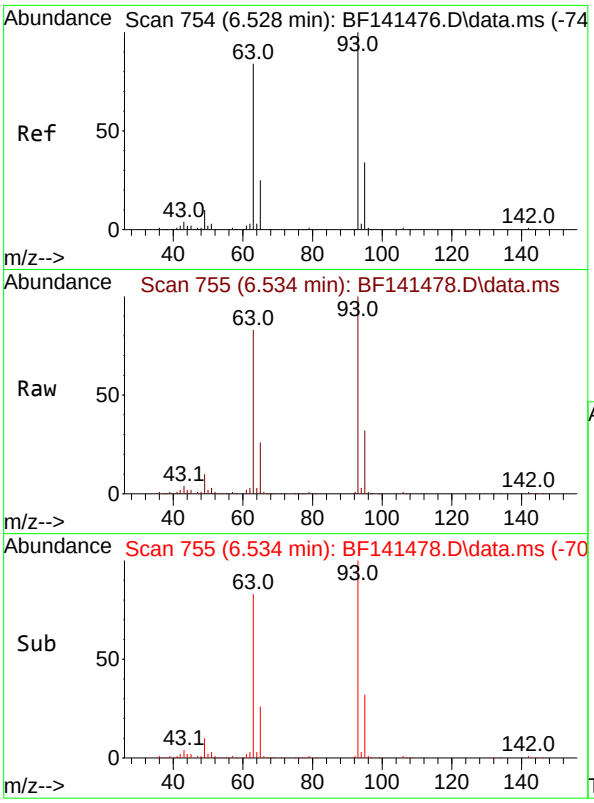


#10
Phenol
Concen: 58.782 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 94 Resp: 437528

Ion	Ratio	Lower	Upper
94	100		
65	44.8	23.7	63.7
66	71.5	49.3	89.3



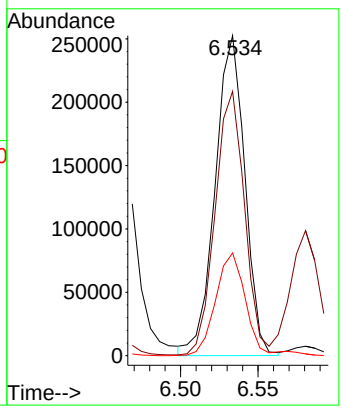


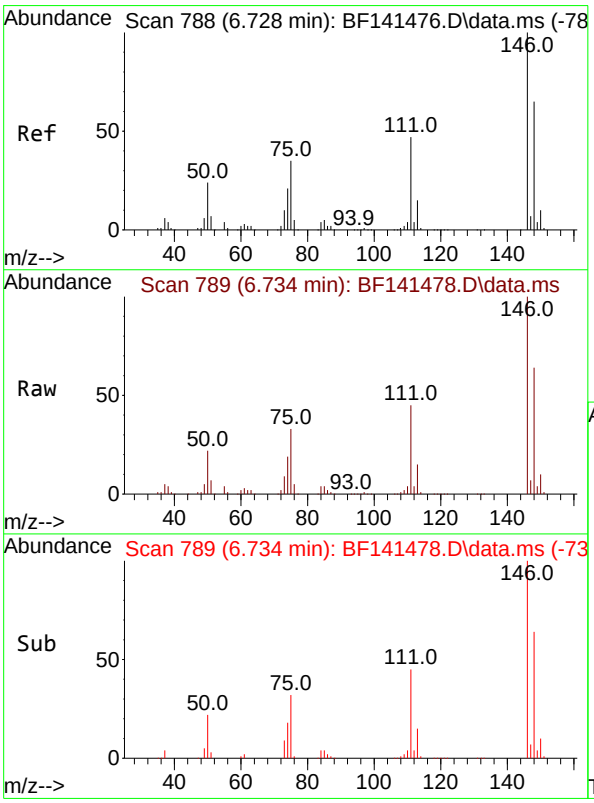
#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 335957

Ion	Ratio	Lower	Upper
93	100		
63	82.6	62.0	102.0
95	32.1	12.6	52.6

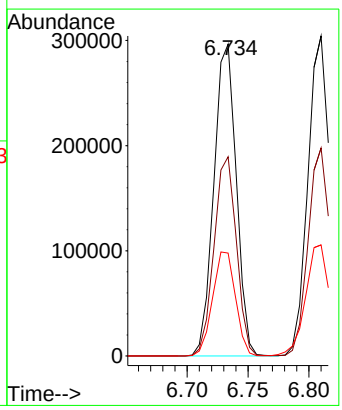


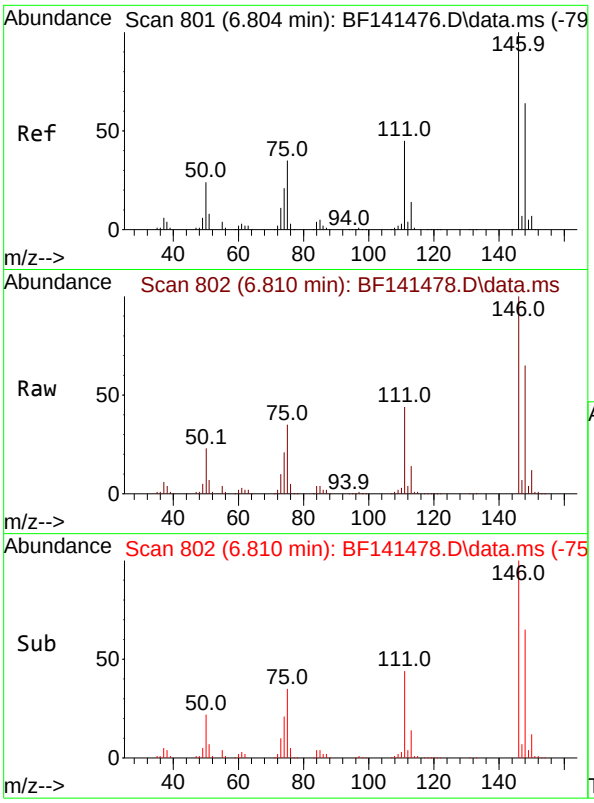


#12
1,3-Dichlorobenzene
Concen: 58.941 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 380433

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
75	33.0	28.2	42.2



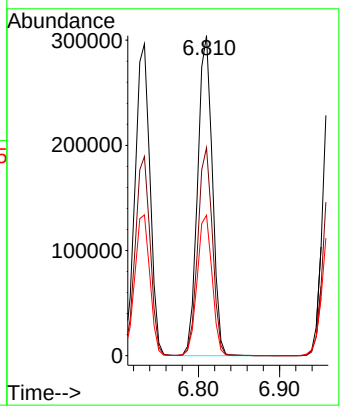


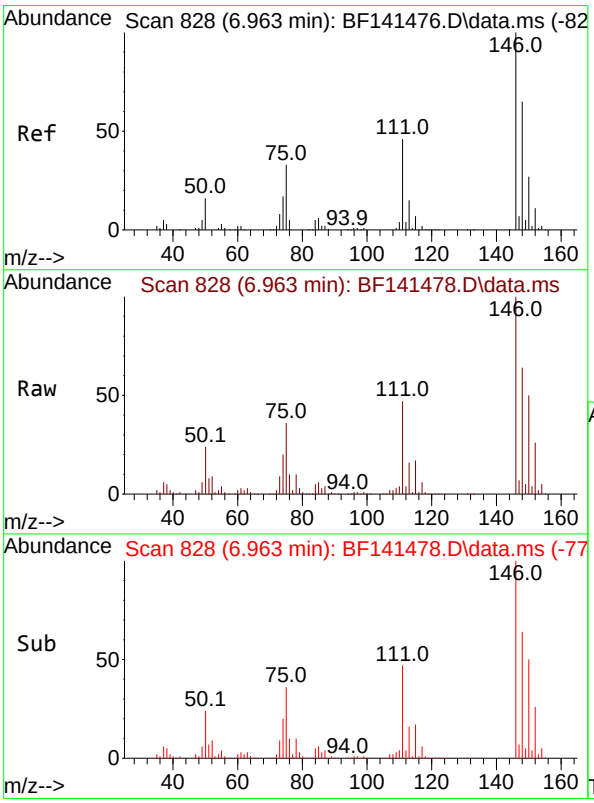
#13
1,4-Dichlorobenzene
Concen: 58.050 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 382812

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.9	76.3
111	43.9	35.9	53.9

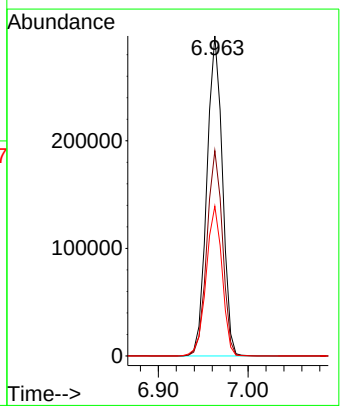


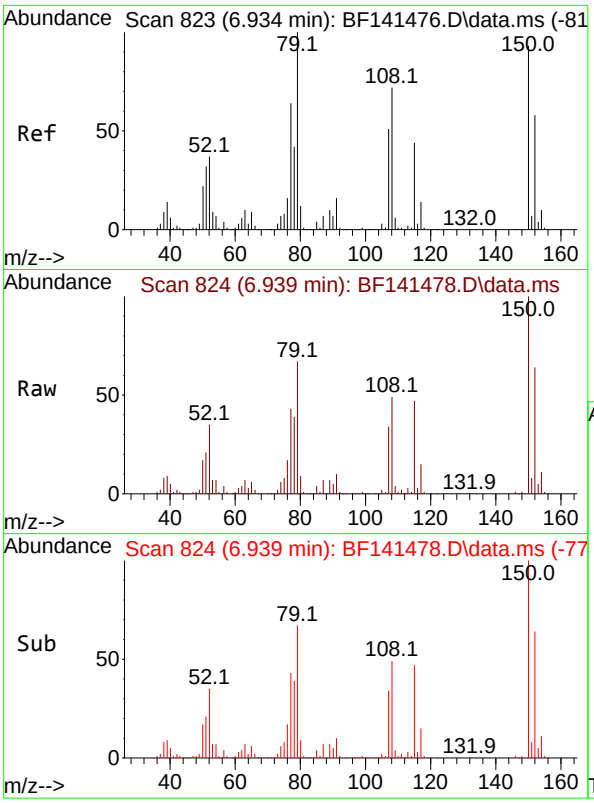


#14
1,2-Dichlorobenzene
Concen: 58.465 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:146 Resp: 357837

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
111	46.8	37.0	55.4



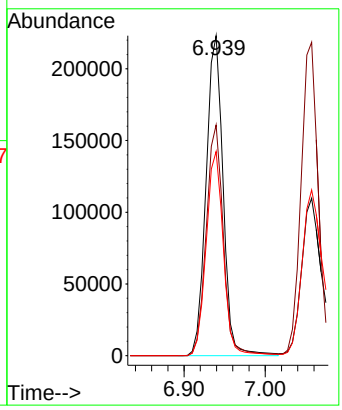


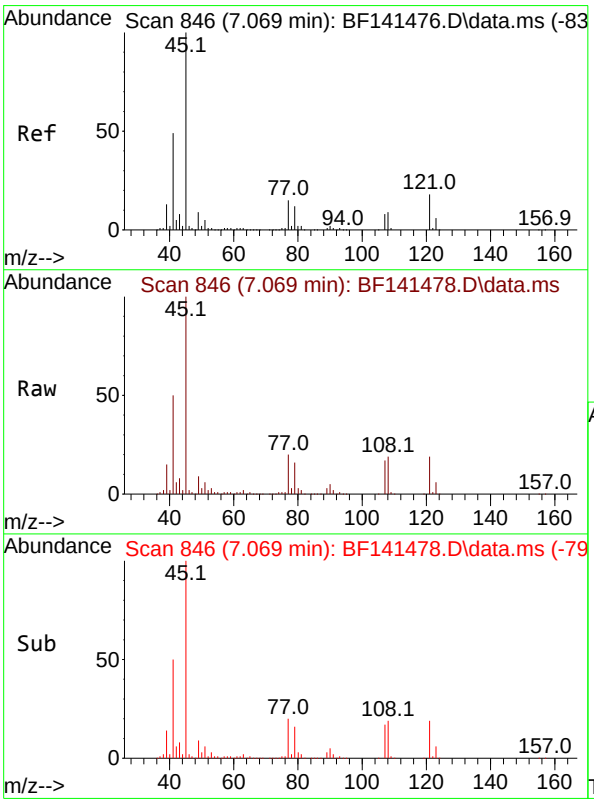
#15
Benzyl Alcohol
Concen: 59.125 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 324244

Ion	Ratio	Lower	Upper
79	100		
108	72.1	57.4	86.2
77	63.8	50.9	76.3

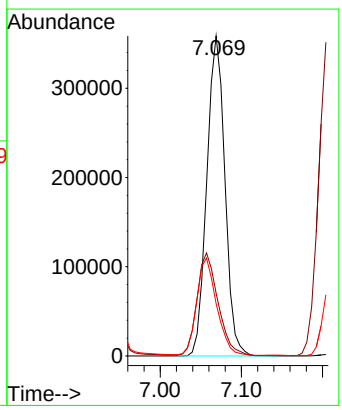


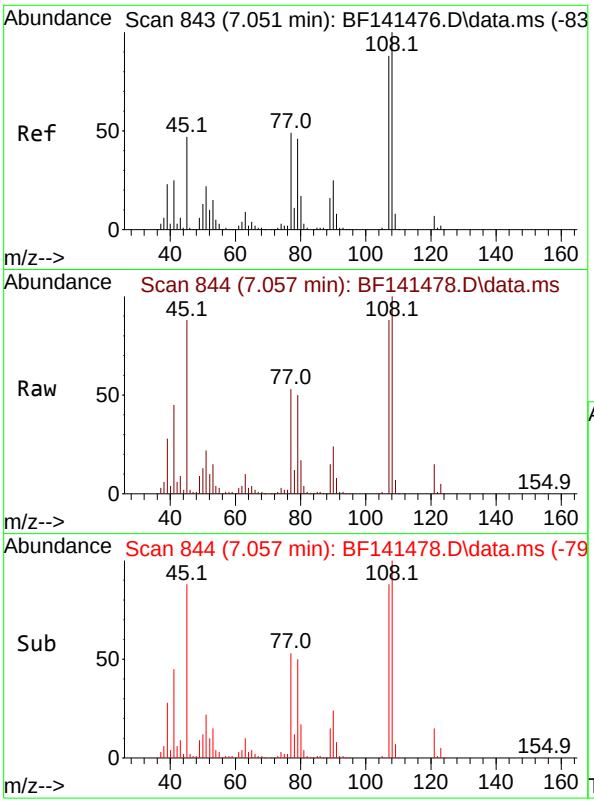


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.883 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 45 Resp: 553943

Ion	Ratio	Lower	Upper
45	100		
77	19.6	0.0	35.8
79	16.3	0.0	32.7



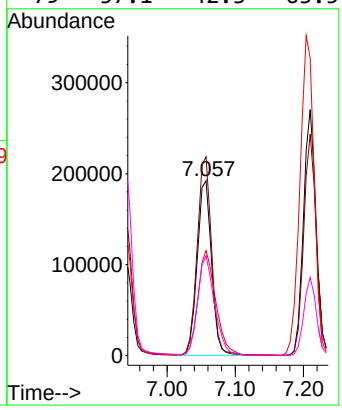


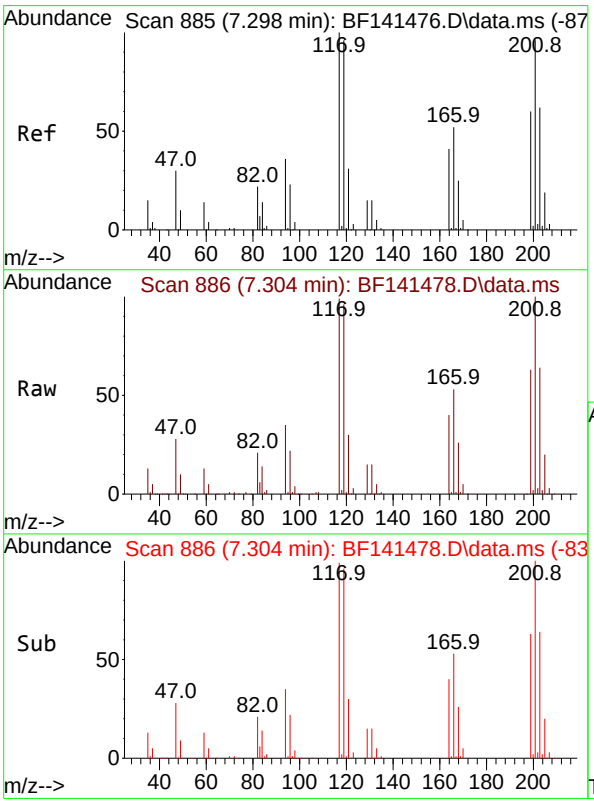
#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 283563

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.6	136.0
77	60.1	44.4	66.6
79	57.1	42.3	63.5

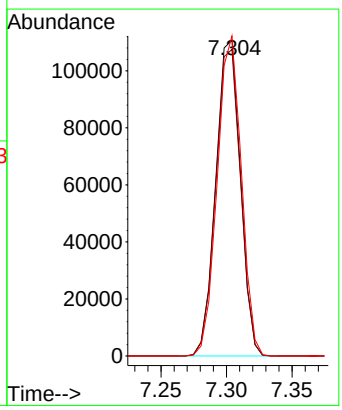


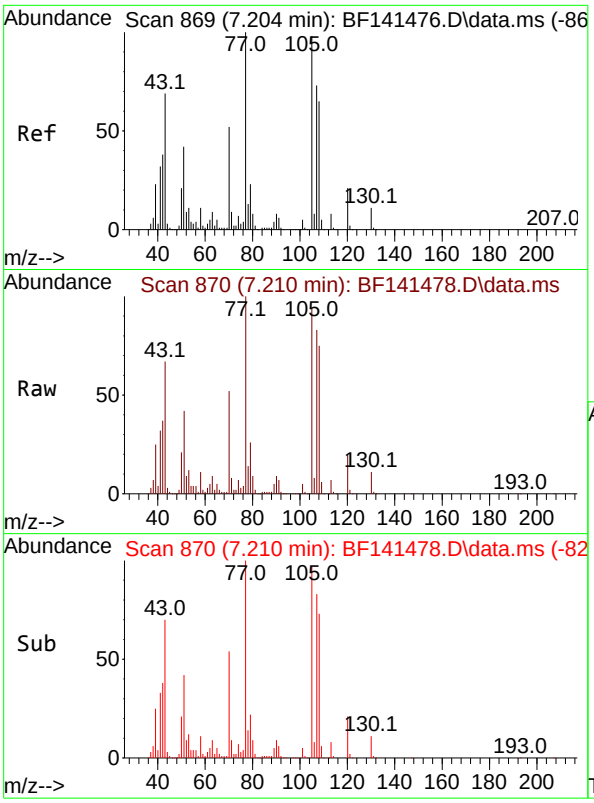


#18
Hexachloroethane
Concen: 59.337 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:117 Resp: 144816

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.5	114.7
201	101.4	76.7	115.1



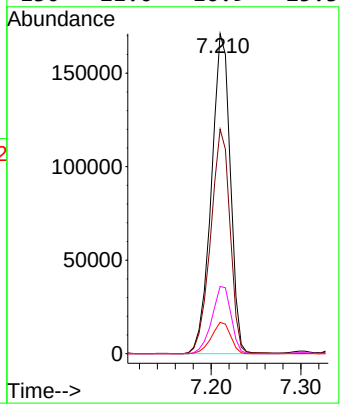


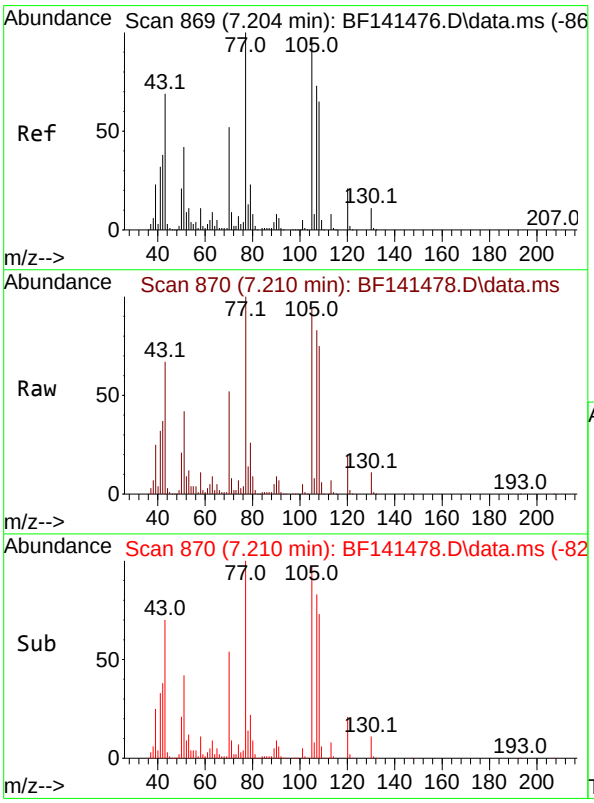
#19
n-Nitroso-di-n-propylamine
Concen: 58.540 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 250412

Ion	Ratio	Lower	Upper
70	100		
42	70.1	57.4	86.2
101	9.8	8.0	12.0
130	21.0	16.9	25.3

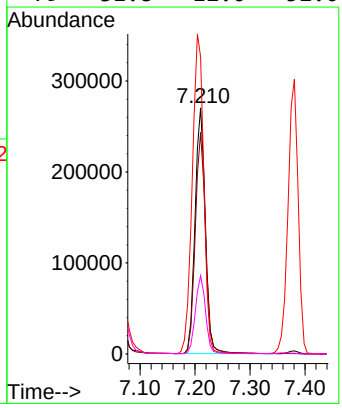


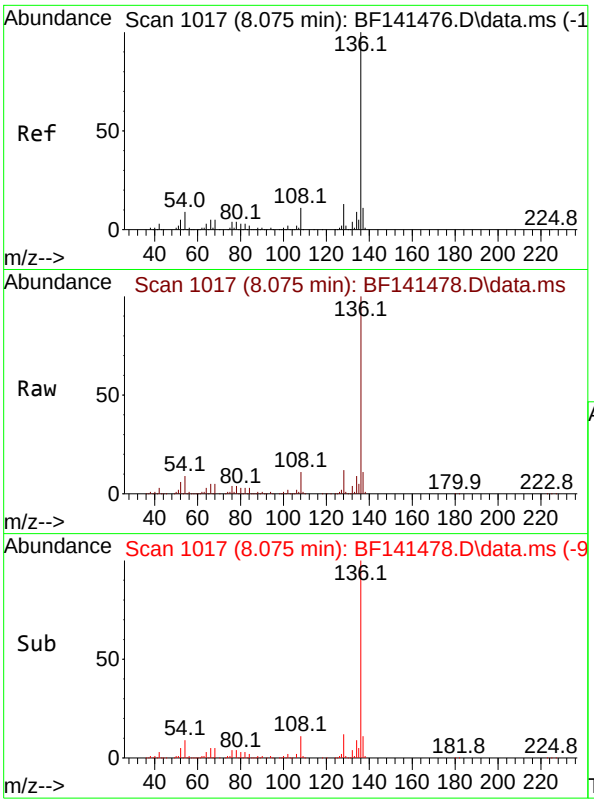


#20
3+4-Methylphenols
Concen: 57.722 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:107 Resp: 350980

Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.5	108.5
77	120.7	116.5	156.5
79	31.8	12.0	52.0



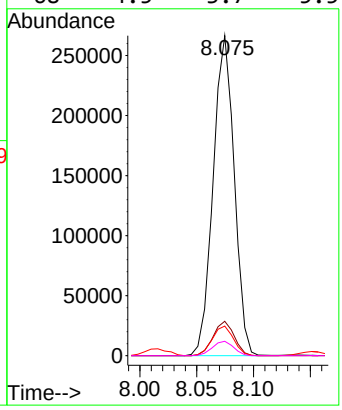


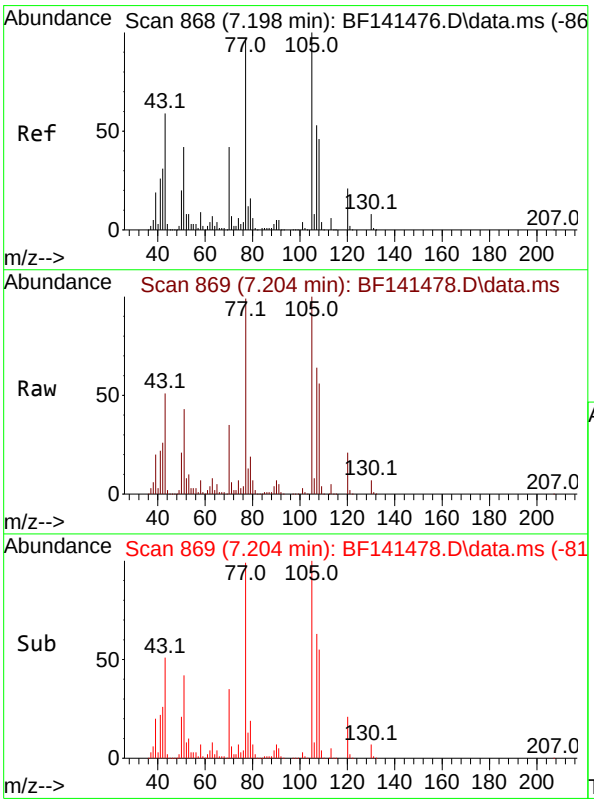
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 344609

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.5	3.7	5.5

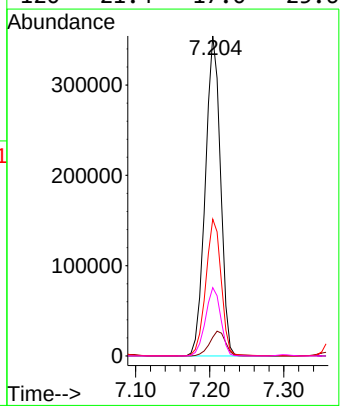


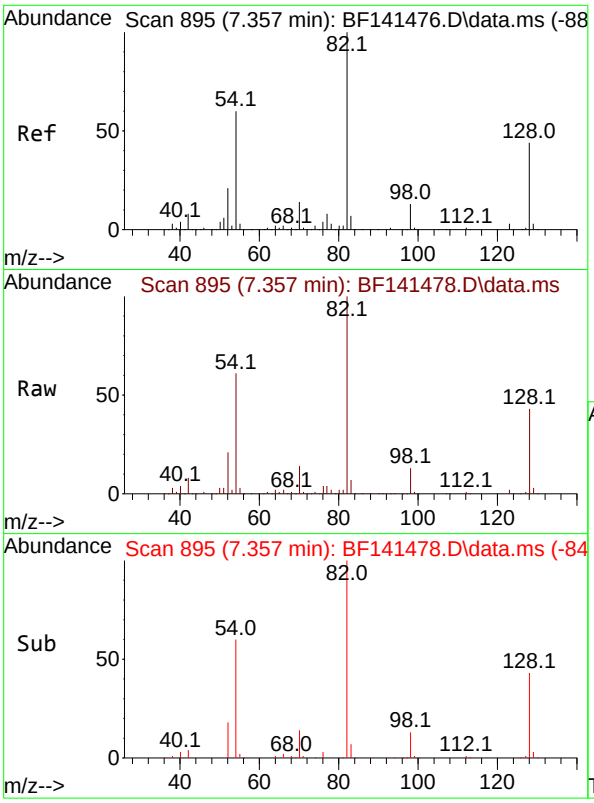


#22
Acetophenone
Concen: 58.828 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:105 Resp: 504294

Ion	Ratio	Lower	Upper
105	100		
71	5.9	5.7	8.5
51	42.7	33.7	50.5
120	21.4	17.0	25.6



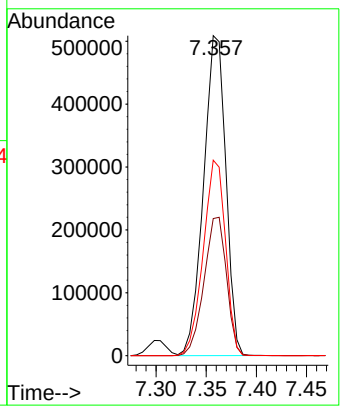


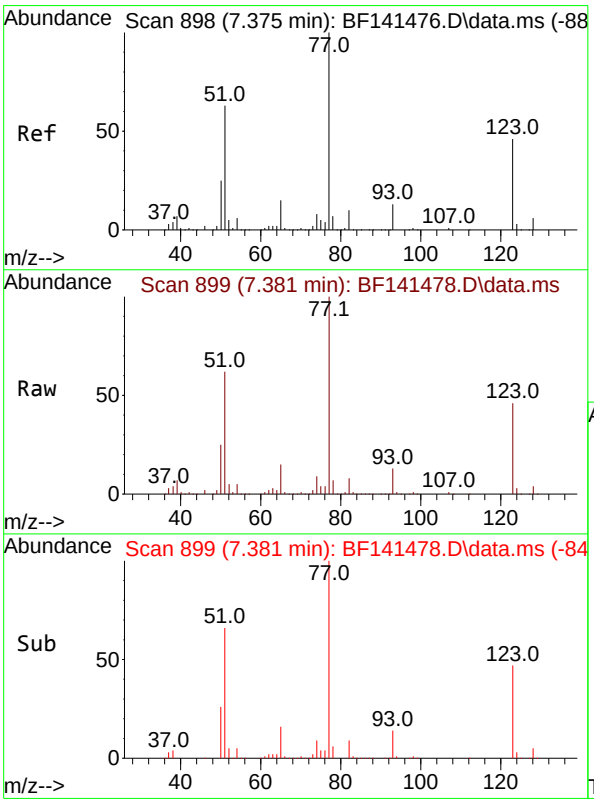
#23
Nitrobenzene-d5
Concen: 119.351 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 788550

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	61.1	48.2	72.4

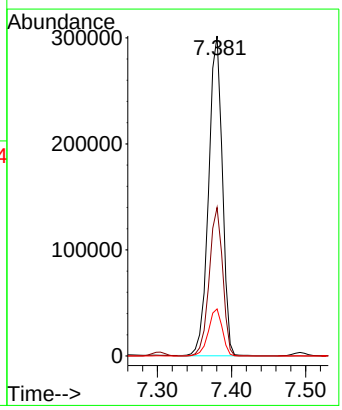


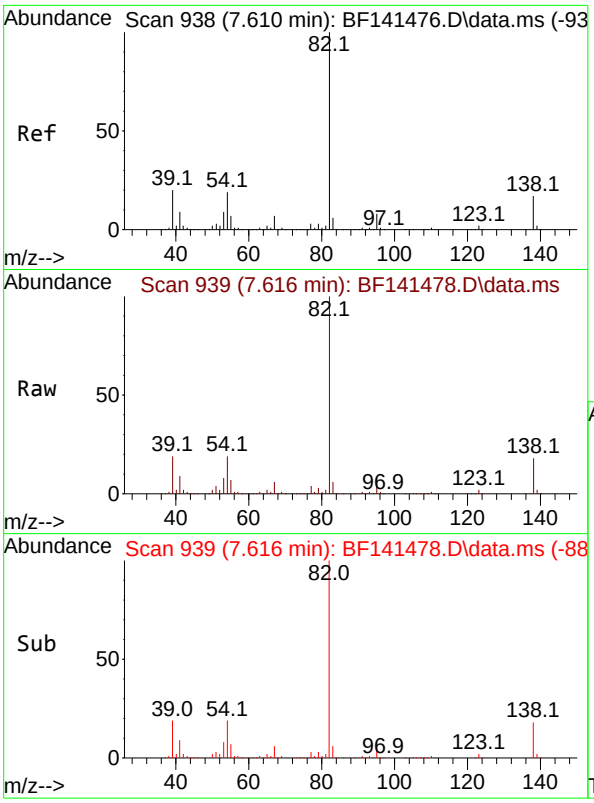


#24
Nitrobenzene
Concen: 60.096 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 77 Resp: 387174

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	14.7	11.9	17.9



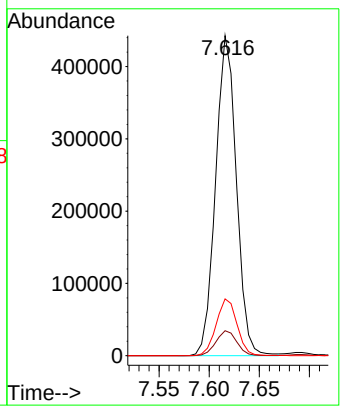


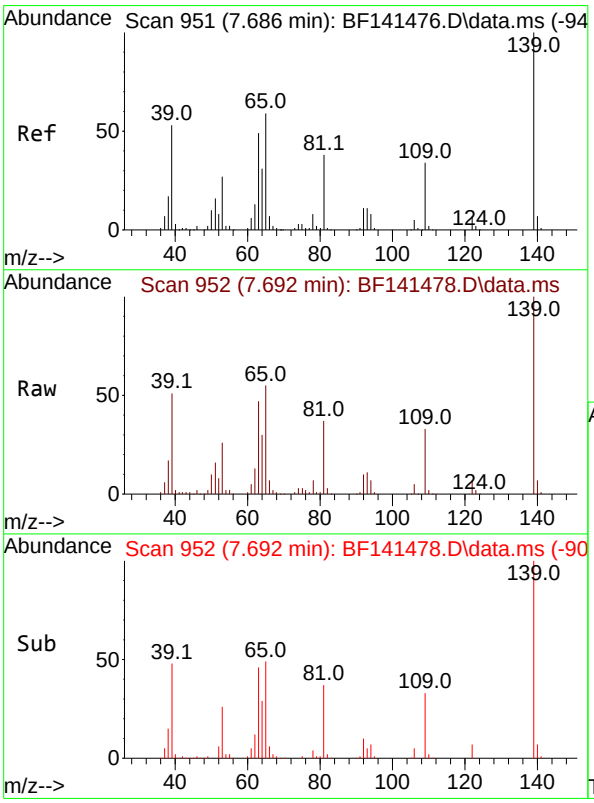
#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 638004

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.7	13.9	20.9

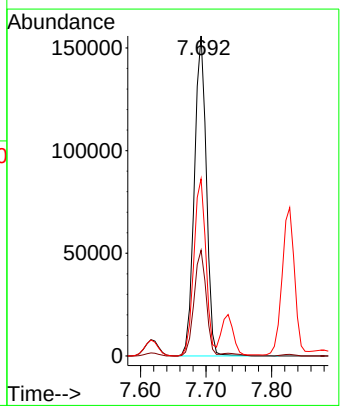


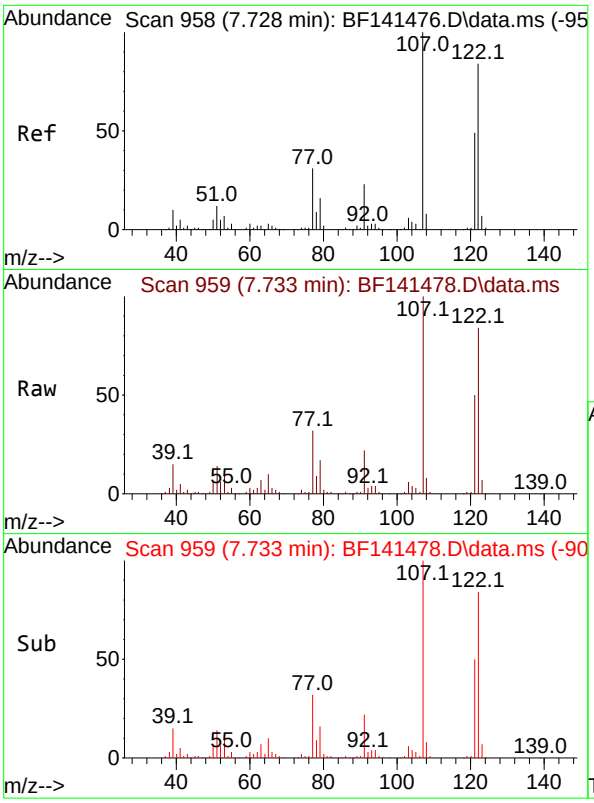


#26
2-Nitrophenol
Concen: 62.128 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:139 Resp: 199140

Ion	Ratio	Lower	Upper
139	100		
109	33.1	27.0	40.6
65	55.3	47.1	70.7



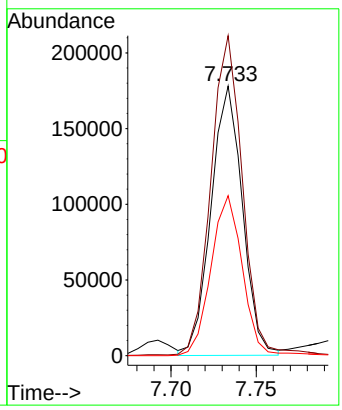


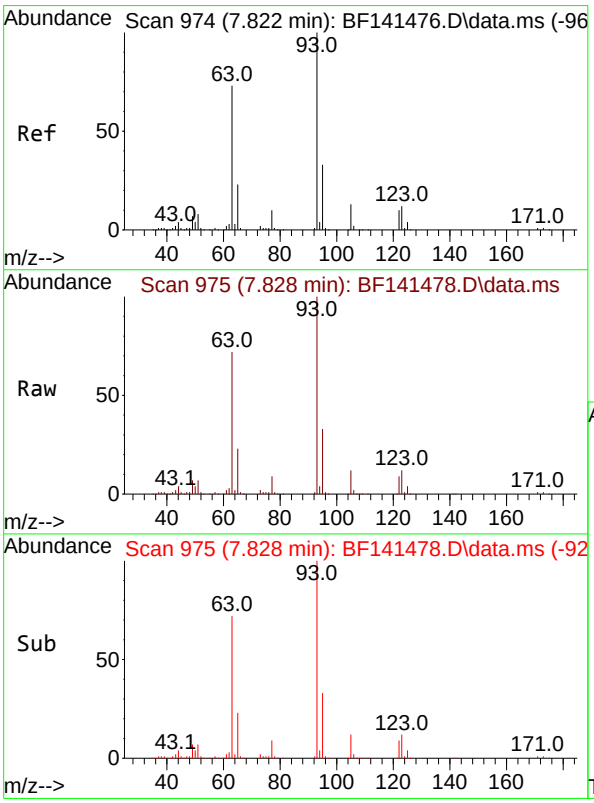
#27
2,4-Dimethylphenol
Concen: 60.836 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 227803

Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	59.4	46.0	69.0

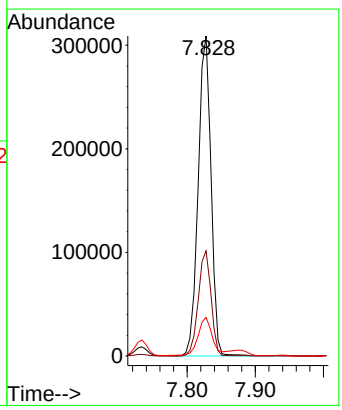


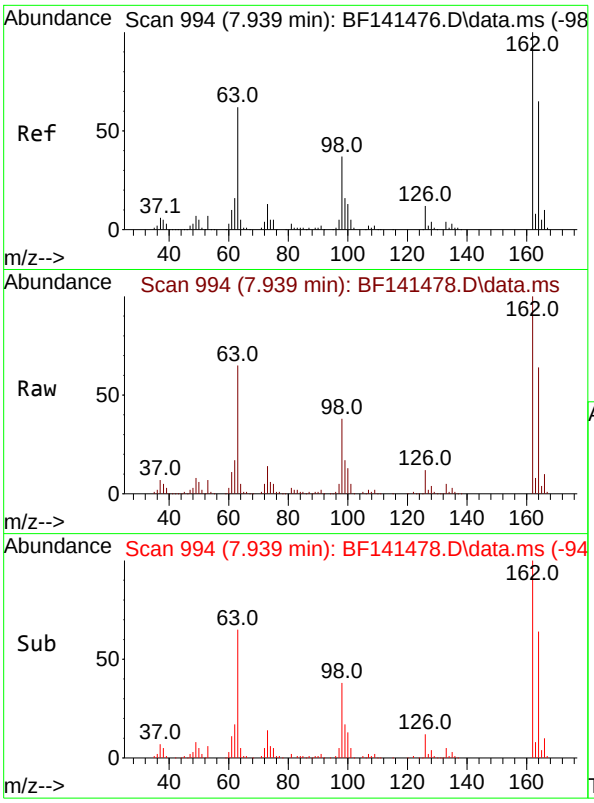


#28
bis(2-Chloroethoxy)methane
Concen: 59.877 ng
RT: 7.828 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 93 Resp: 404195

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	12.1	9.5	14.3



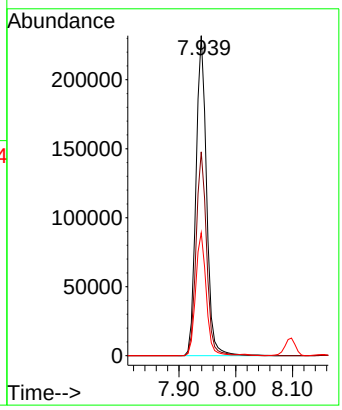


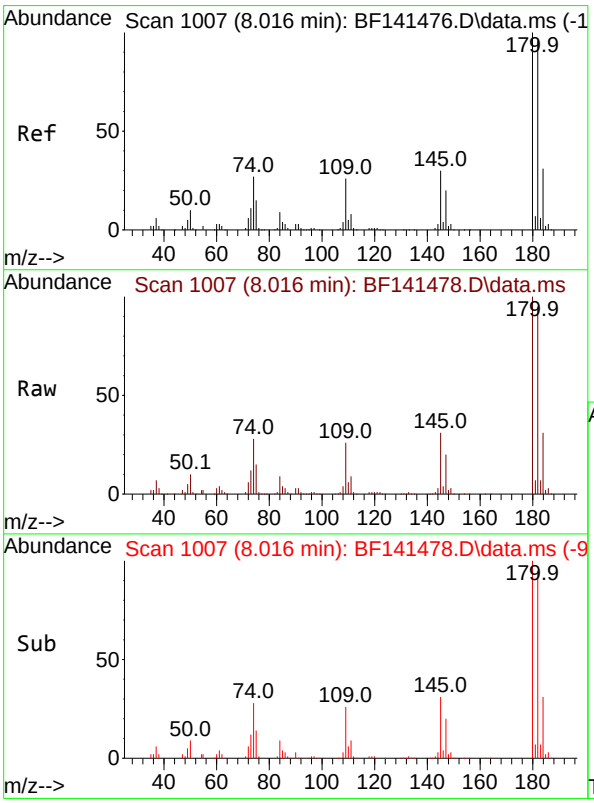
#29
2,4-Dichlorophenol
Concen: 59.683 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 301959

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	38.4	17.2	57.2

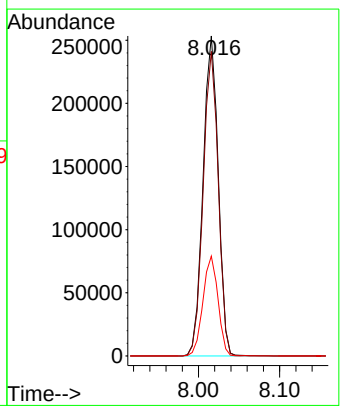


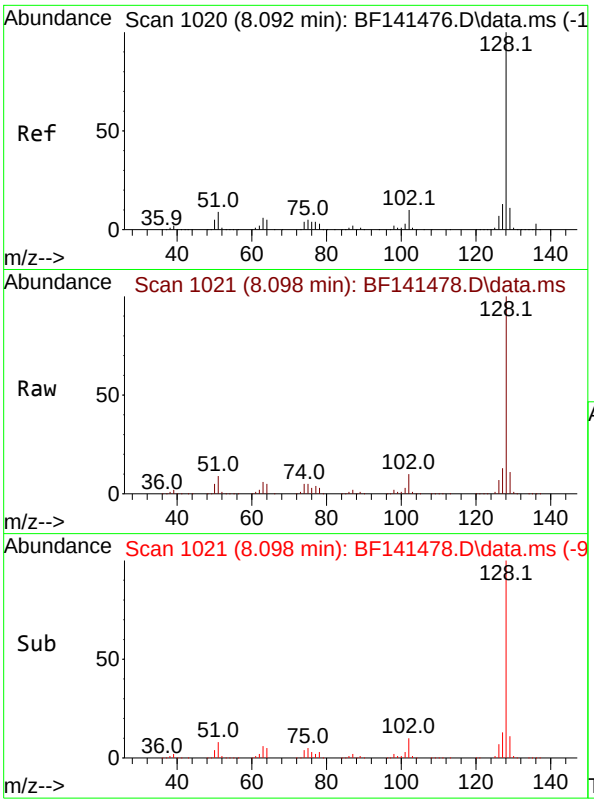


#30
1,2,4-Trichlorobenzene
Concen: 59.561 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:180 Resp: 328150

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
145	31.2	24.2	36.4



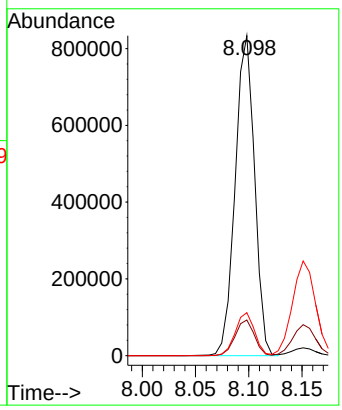


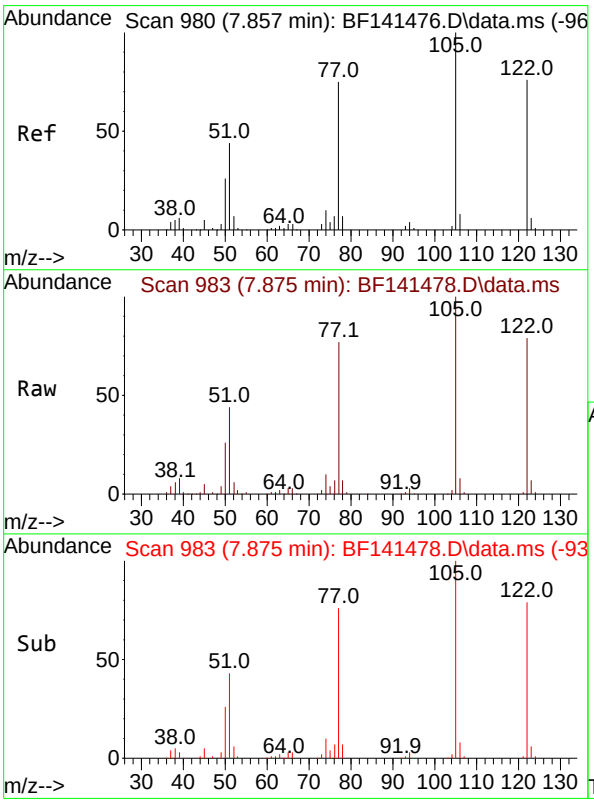
#31
Naphthalene
Concen: 58.889 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1056367

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

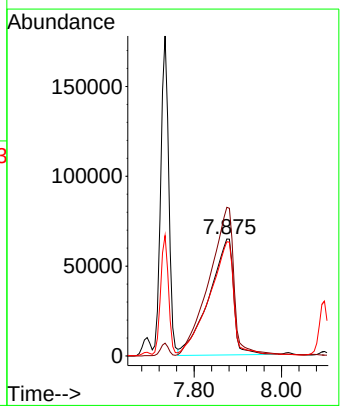


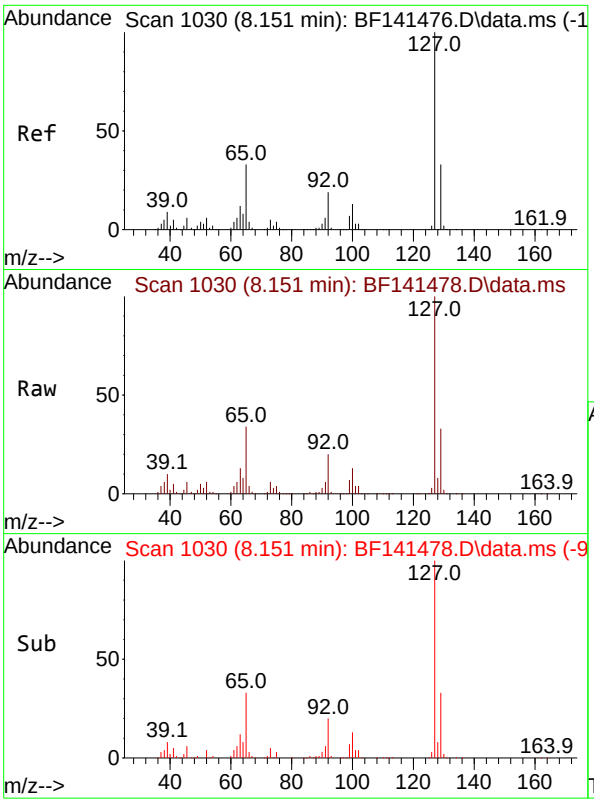


#32
Benzoic acid
Concen: 64.532 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:122 Resp: 250995

Ion	Ratio	Lower	Upper
122	100		
105	127.0	106.5	146.5
77	97.7	76.3	116.3



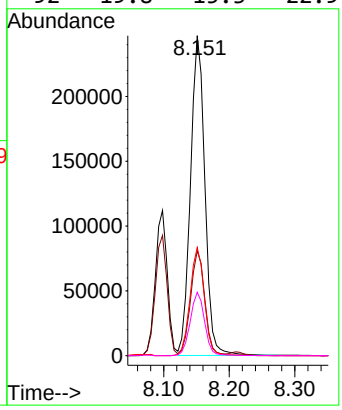


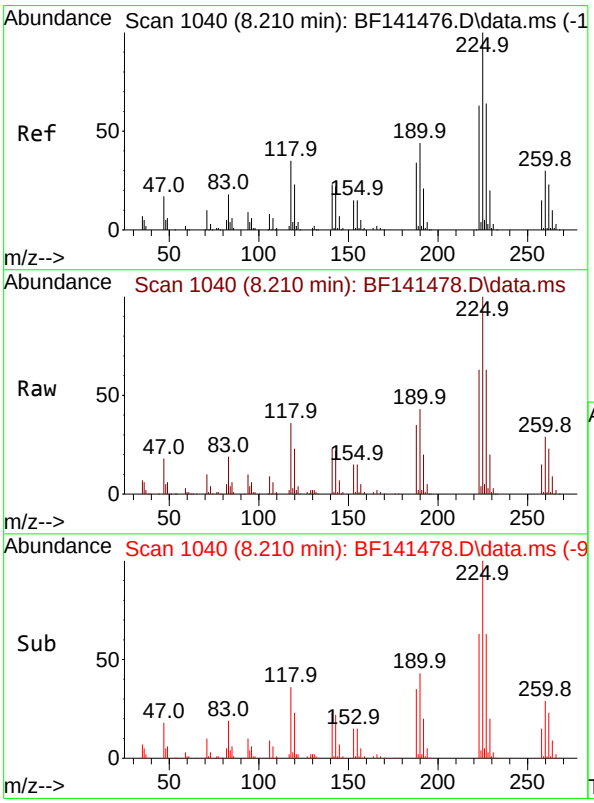
#33
4-Chloroaniline
Concen: 60.070 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 376211

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.5	39.7
65	33.8	26.4	39.6
92	19.8	15.3	22.9

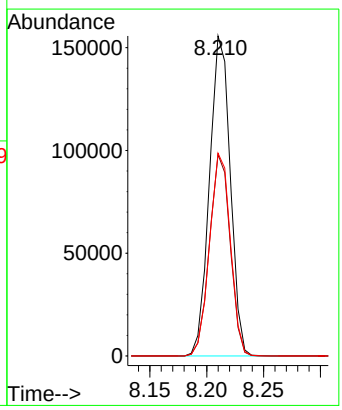


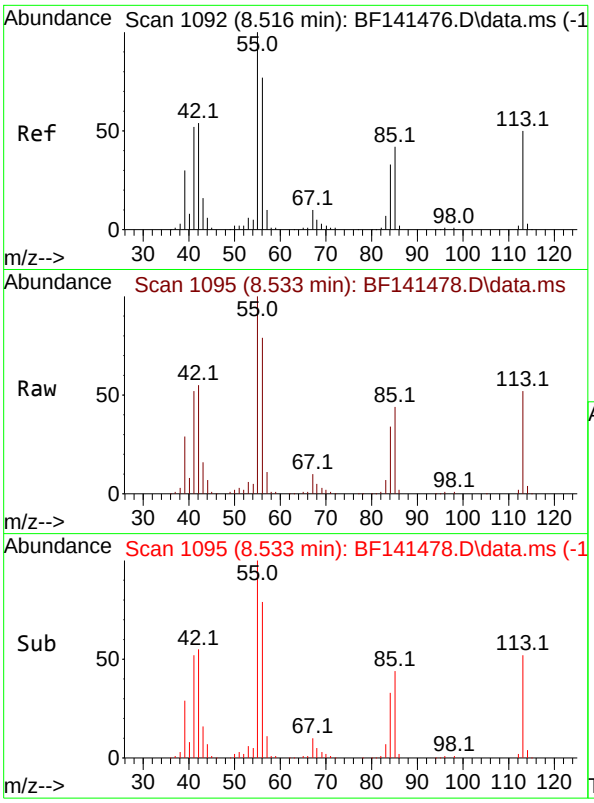


#34
Hexachlorobutadiene
Concen: 59.849 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:225 Resp: 197955

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.4	51.0	76.6



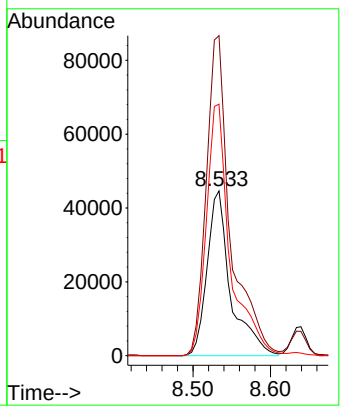


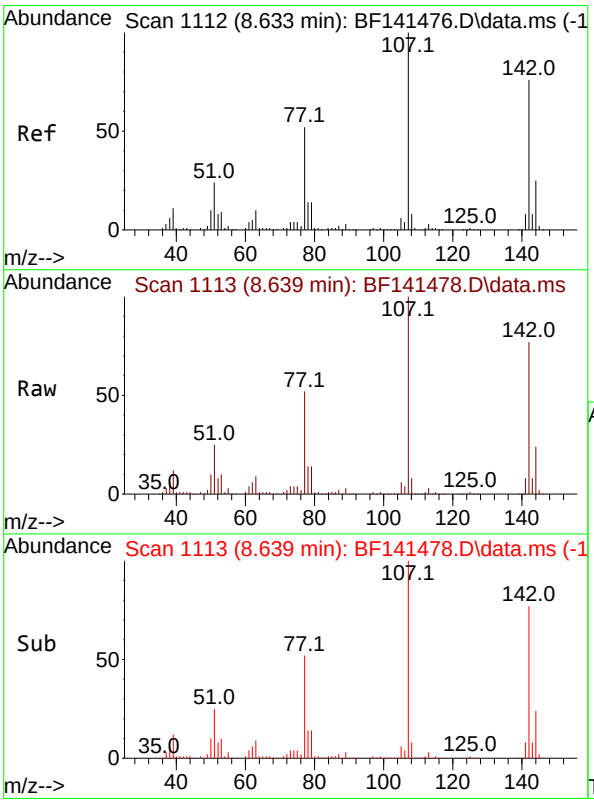
#35
Caprolactam
Concen: 61.291 ng
RT: 8.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 94415

Ion	Ratio	Lower	Upper
113	100		
55	194.1	180.8	220.8
56	152.5	133.6	173.6

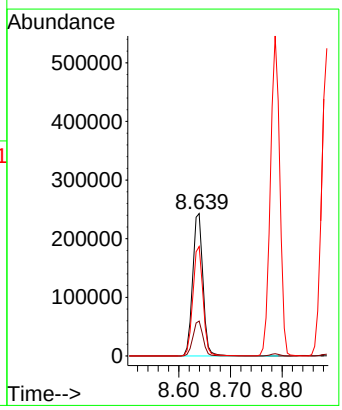


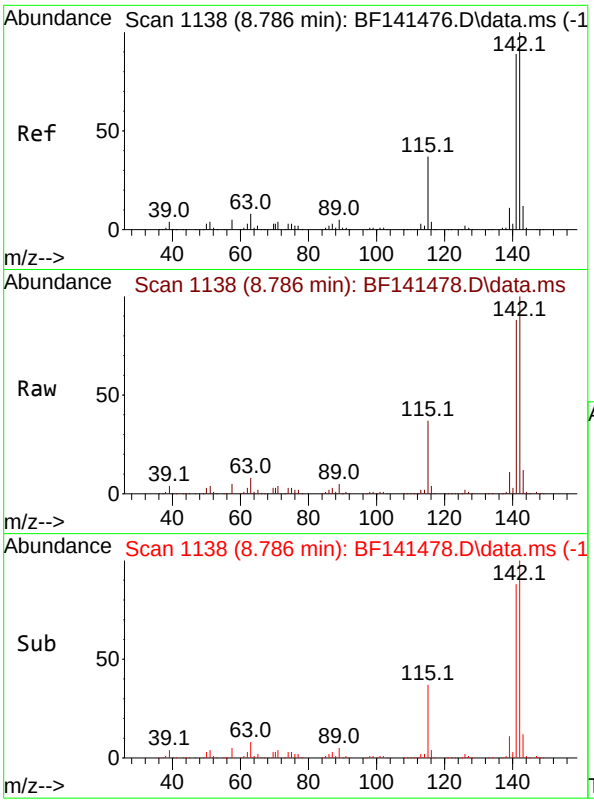


#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:107 Resp: 335897

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	76.8	60.8	91.2



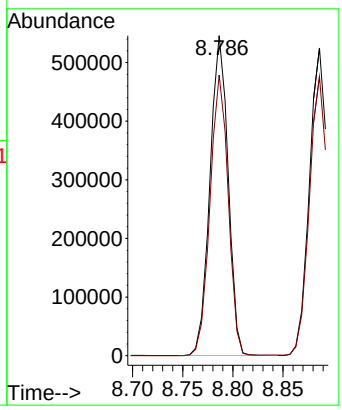


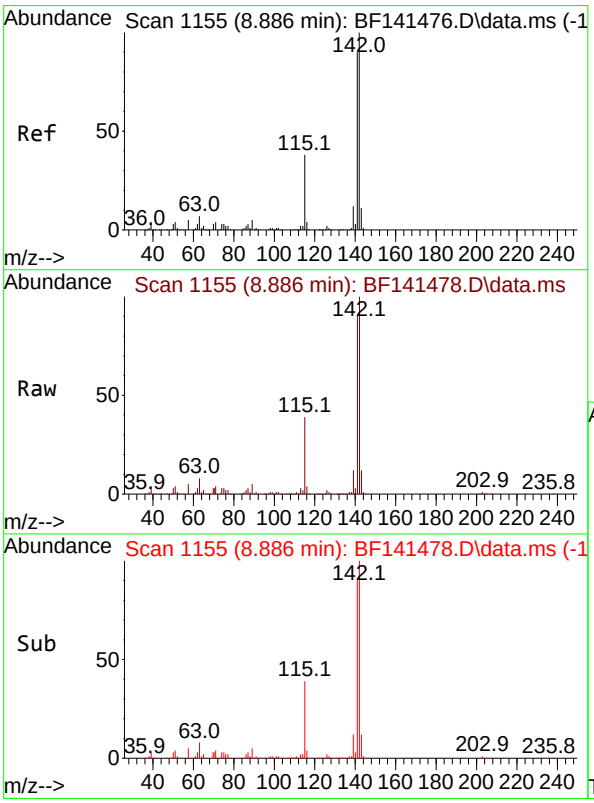
#37
2-Methylnaphthalene
Concen: 58.941 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 688021

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.2	106.8

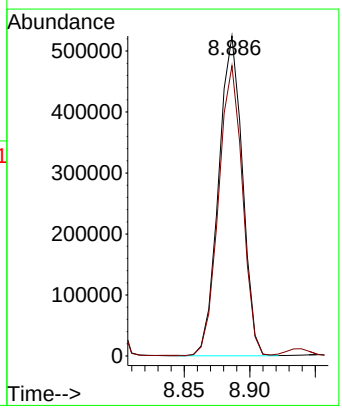


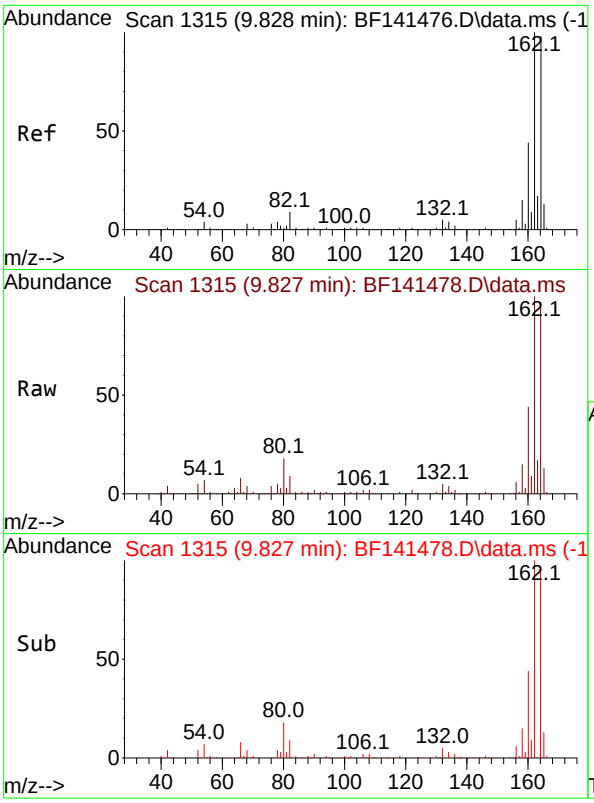


#38
1-Methylnaphthalene
Concen: 58.522 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:142 Resp: 661628

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.1	108.1



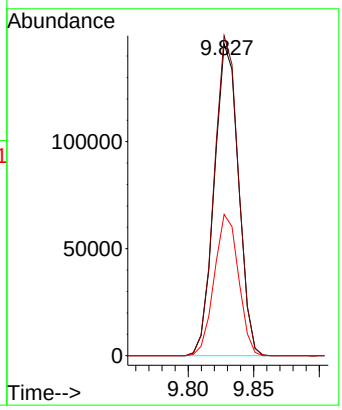


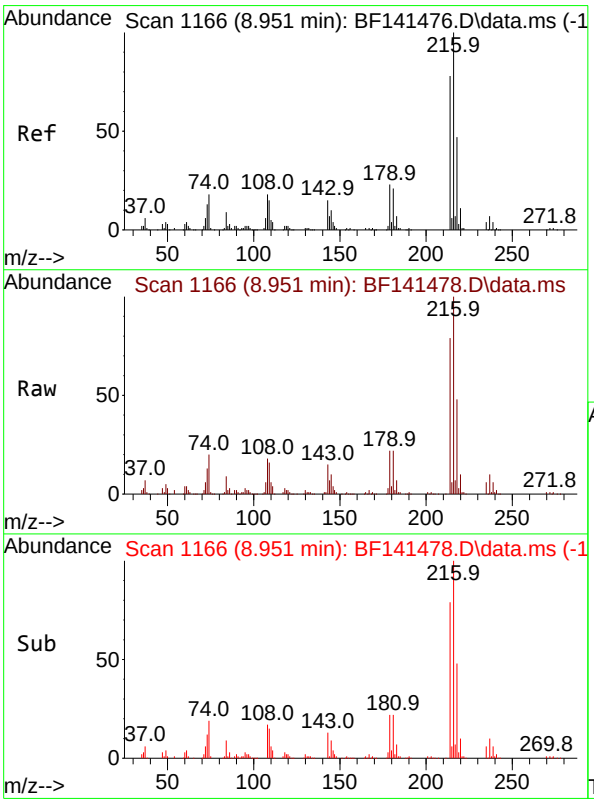
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 186729

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	45.3	35.9	53.9

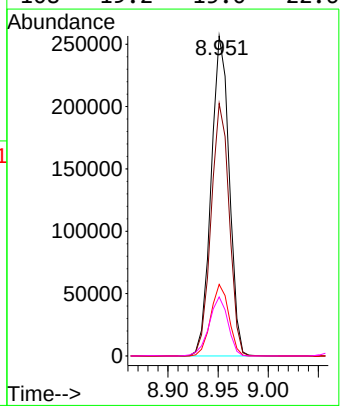


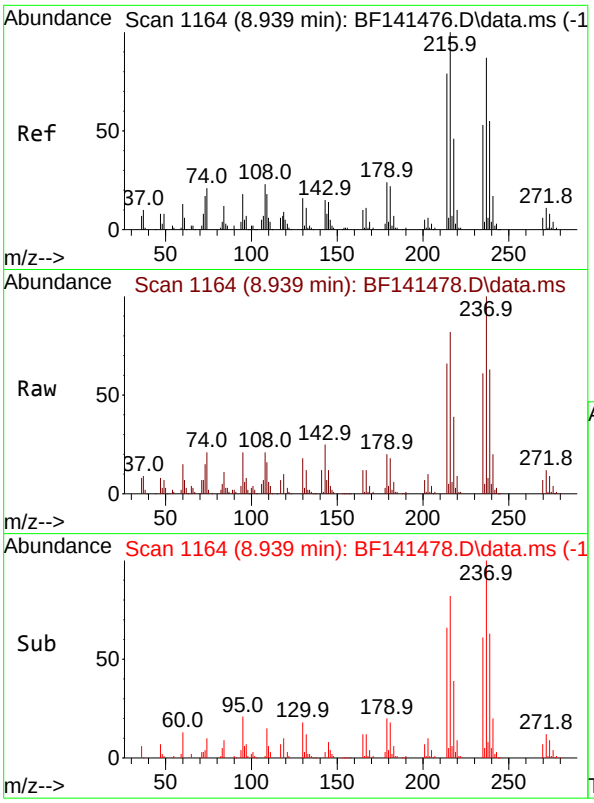


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.560 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:216 Resp: 321763

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.3	93.5
179	22.3	18.0	27.0
108	19.2	15.0	22.6



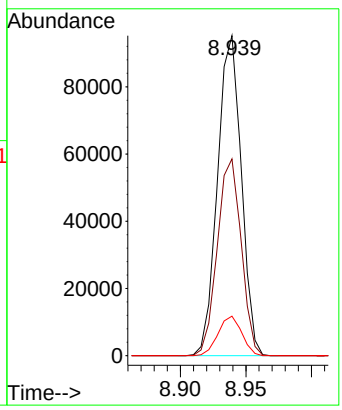


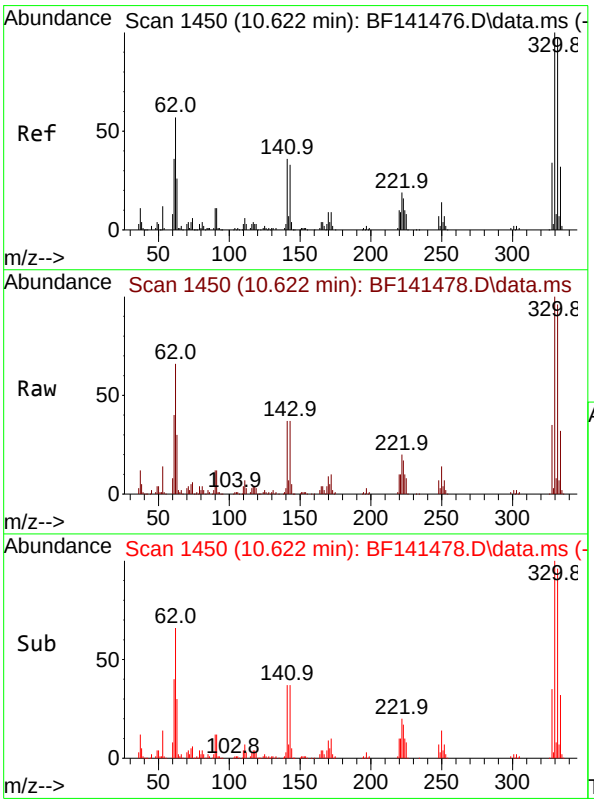
#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 120063

Ion	Ratio	Lower	Upper
237	100		
235	61.5	41.4	81.4
272	12.4	0.0	32.4

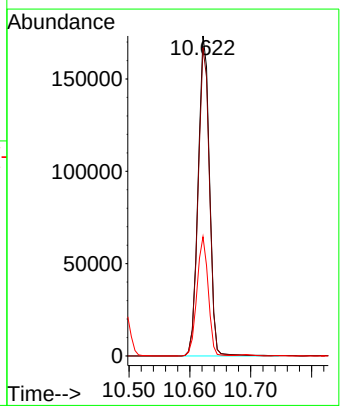


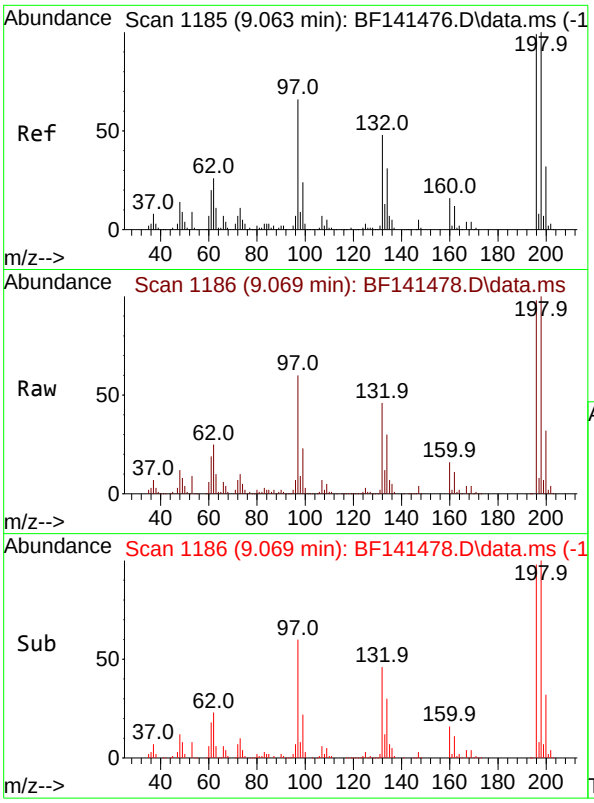


#42
2,4,6-Tribromophenol
Concen: 119.976 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:330 Resp: 225049

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.5	117.7
141	36.9	31.0	46.4



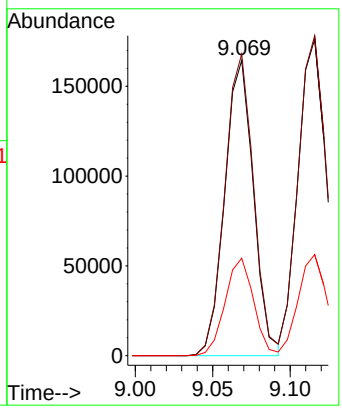


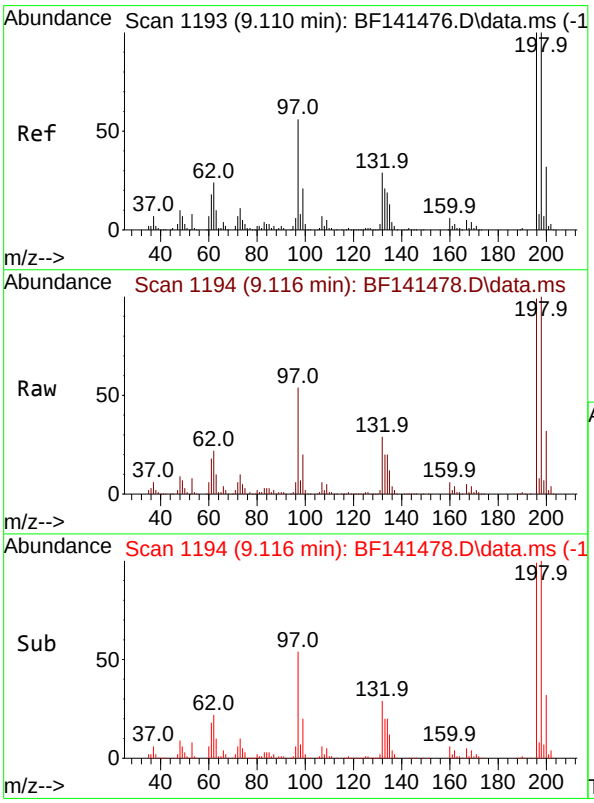
#43
2,4,6-Trichlorophenol
Concen: 60.632 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 211702

Ion	Ratio	Lower	Upper
196	100		
198	102.2	80.6	121.0
200	33.0	25.5	38.3

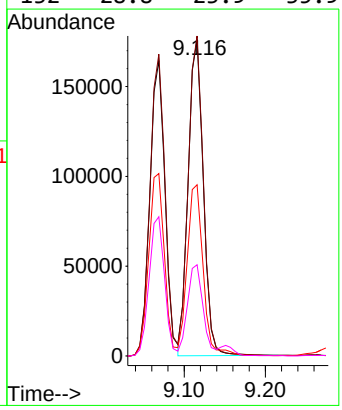


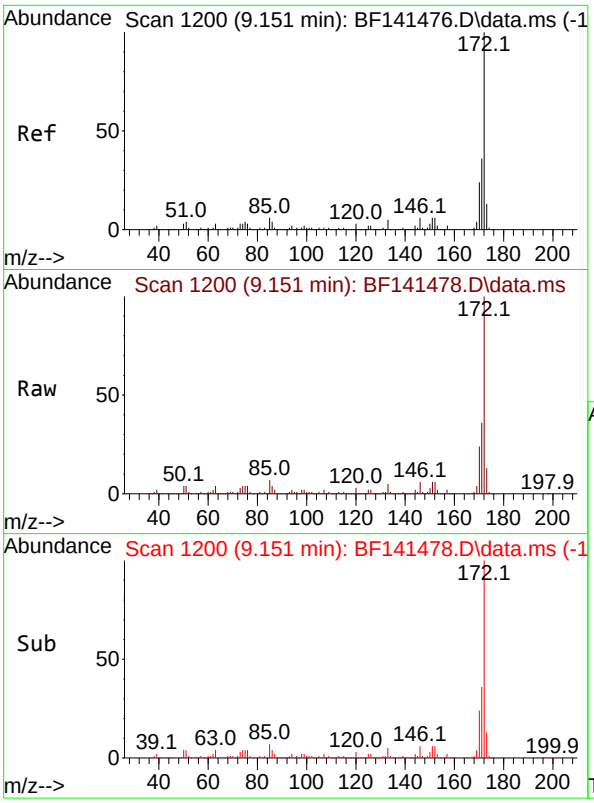


#44
2,4,5-Trichlorophenol
Concen: 60.519 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:196 Resp: 229006

Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.8	119.8
97	54.1	44.8	67.2
132	28.8	23.9	35.9



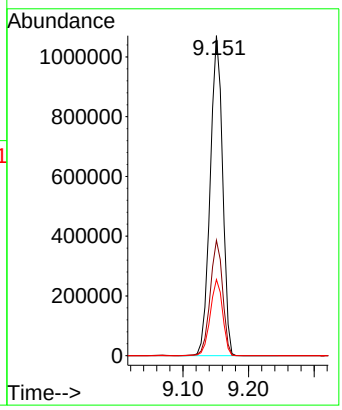


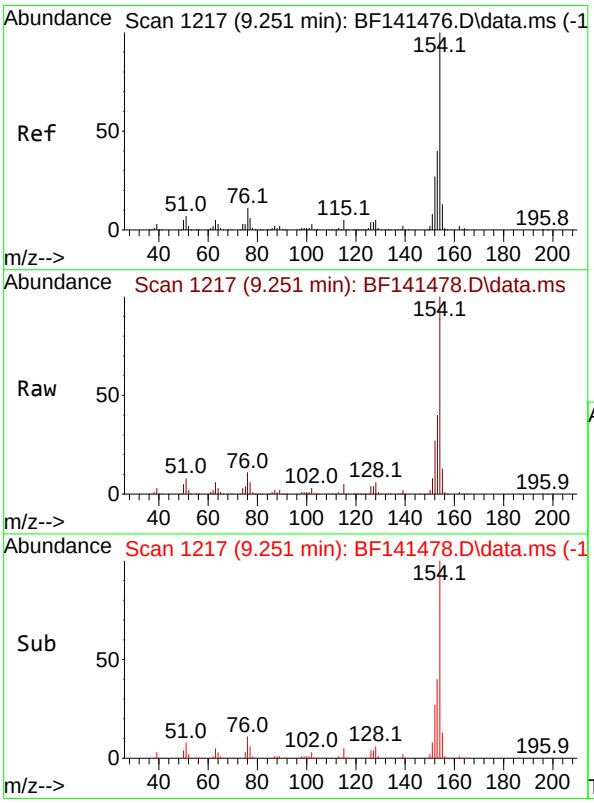
#45
2-Fluorobiphenyl
Concen: 116.358 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1410277

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.8	18.9	28.3

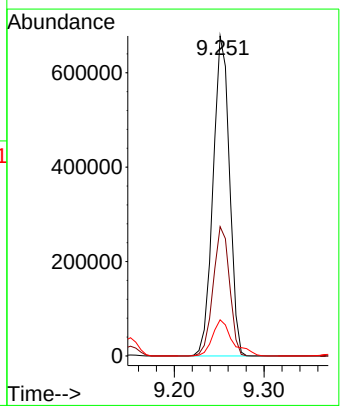


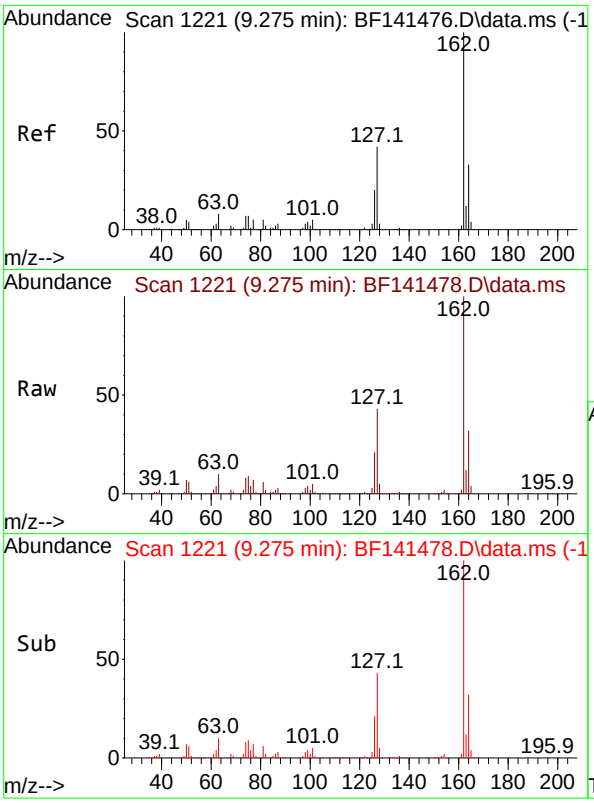


#46
1,1'-Biphenyl
Concen: 59.479 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:154 Resp: 861067

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	11.3	0.0	30.8



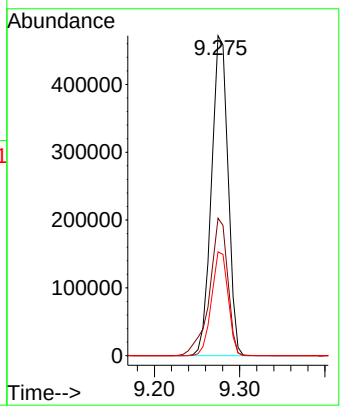


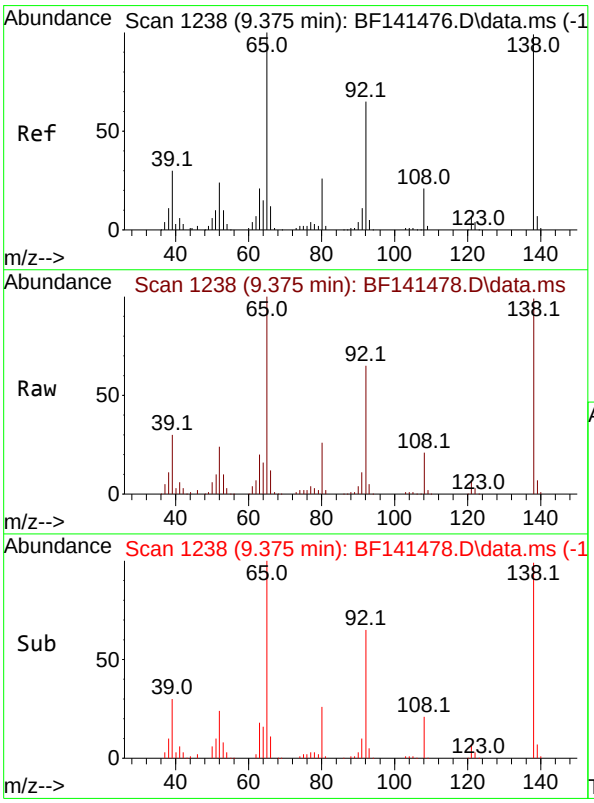
#47
2-Chloronaphthalene
Concen: 59.459 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 636511

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.1	51.1
164	32.5	26.3	39.5

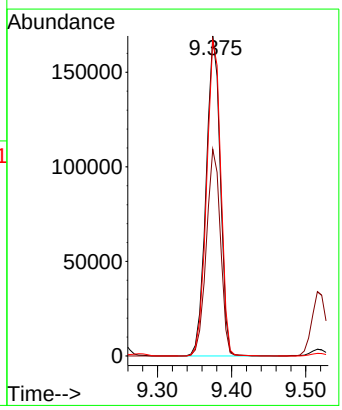


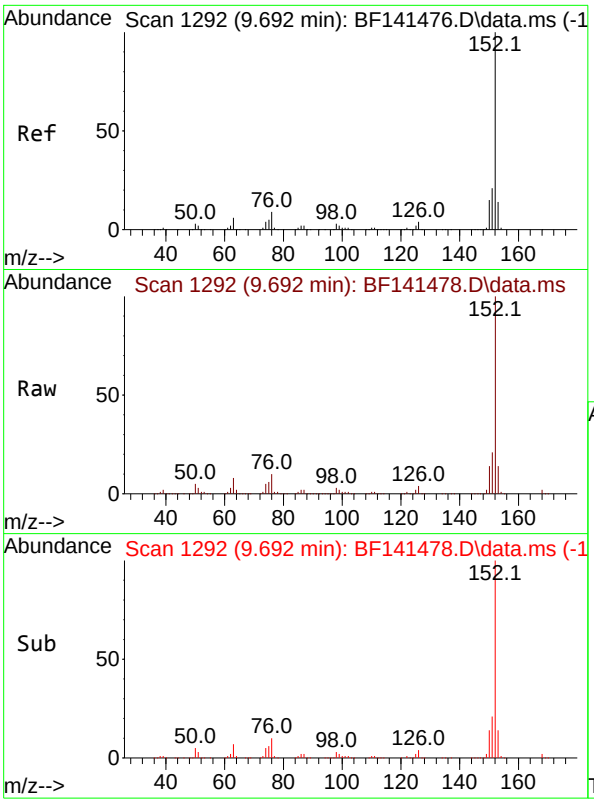


#48
2-Nitroaniline
Concen: 62.547 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 65 Resp: 224709

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.2	78.2
138	98.7	79.5	119.3



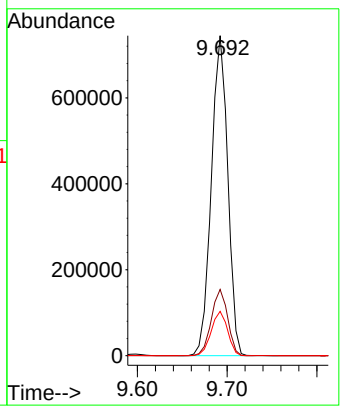


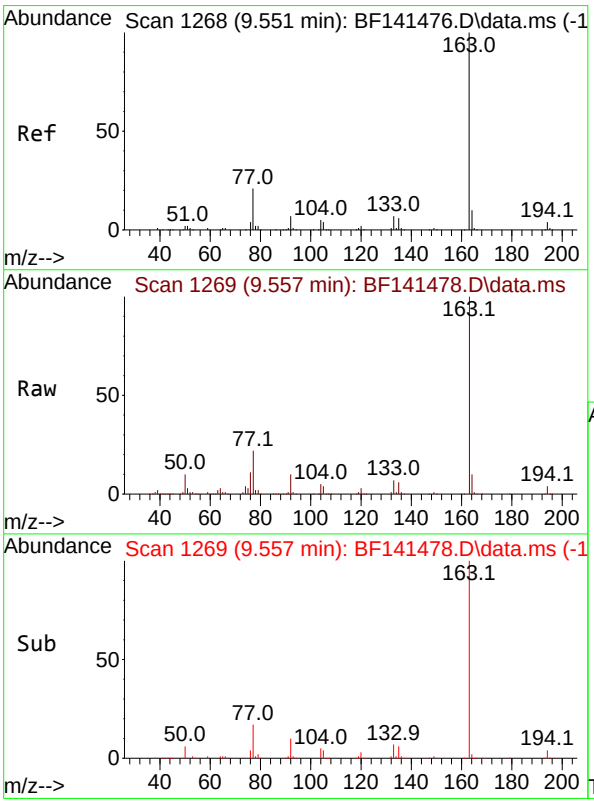
#49
Acenaphthylene
Concen: 59.436 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 946382

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.4	24.6
153	13.8	10.9	16.3

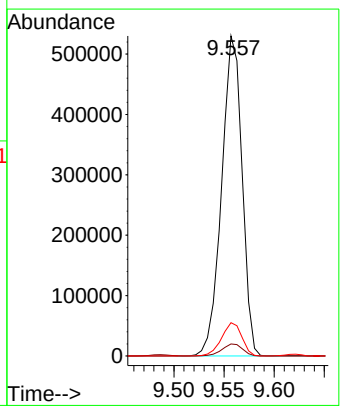


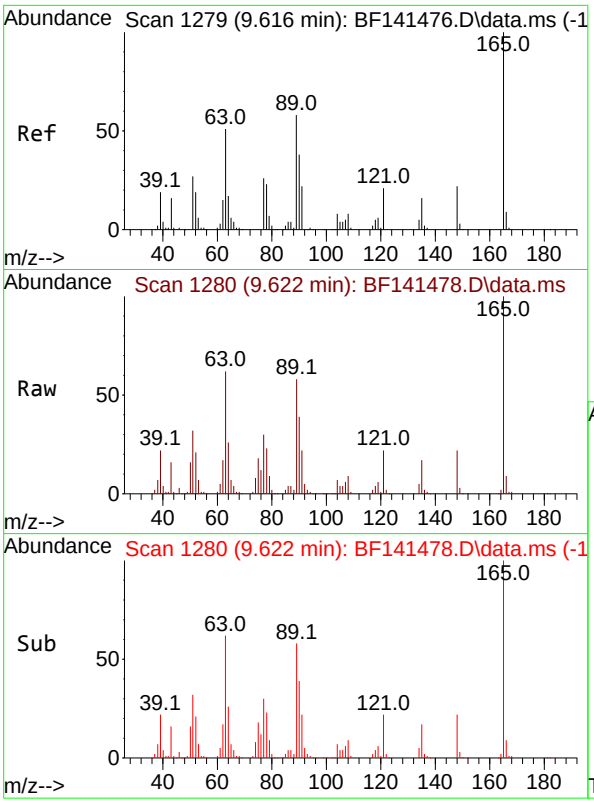


#50
Dimethylphthalate
Concen: 59.253 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:163 Resp: 751128

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.4	7.9	11.9



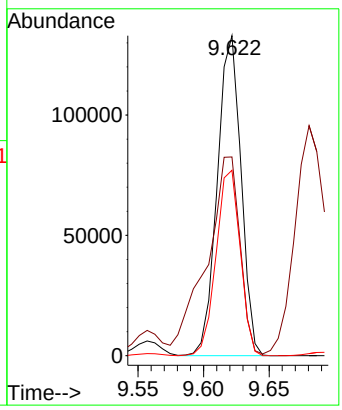


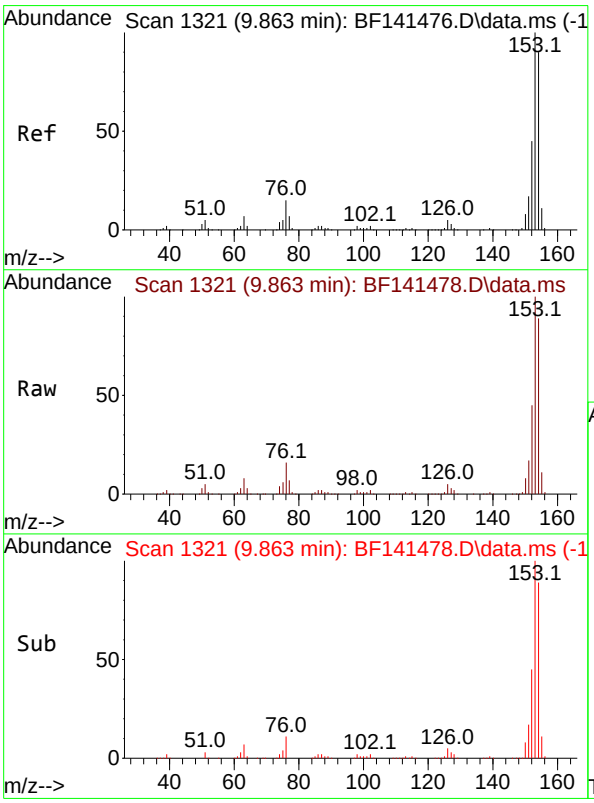
#51
2,6-Dinitrotoluene
Concen: 60.403 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 167387

Ion	Ratio	Lower	Upper
165	100		
63	62.1	49.4	74.0
89	58.0	46.5	69.7

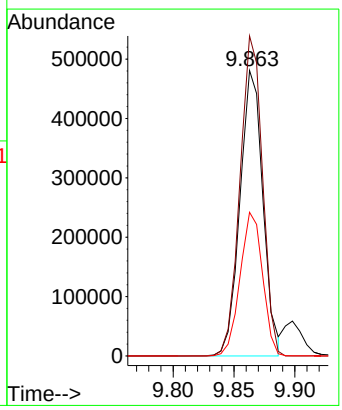


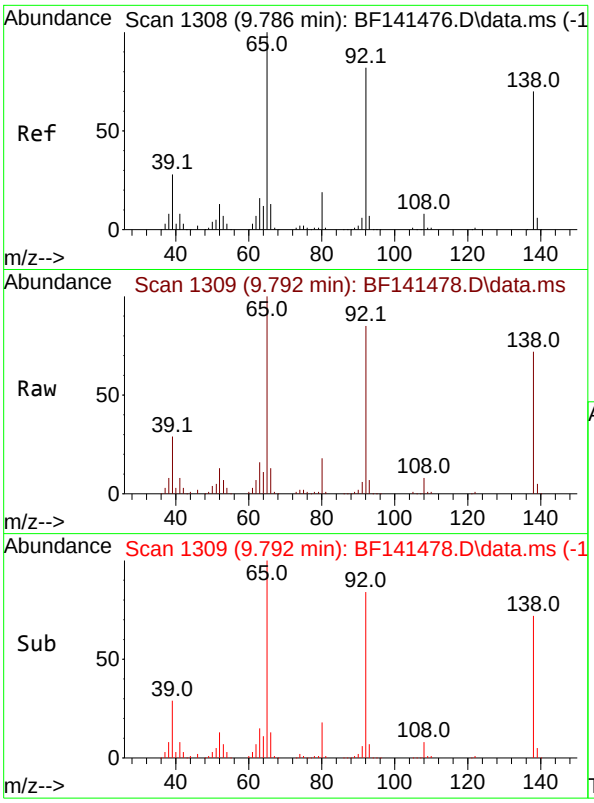


#52
Acenaphthene
Concen: 58.974 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:154 Resp: 631289

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.2	133.8
152	50.3	39.8	59.8



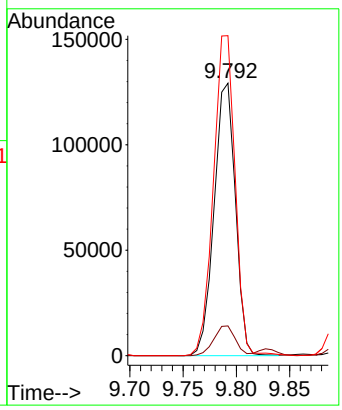


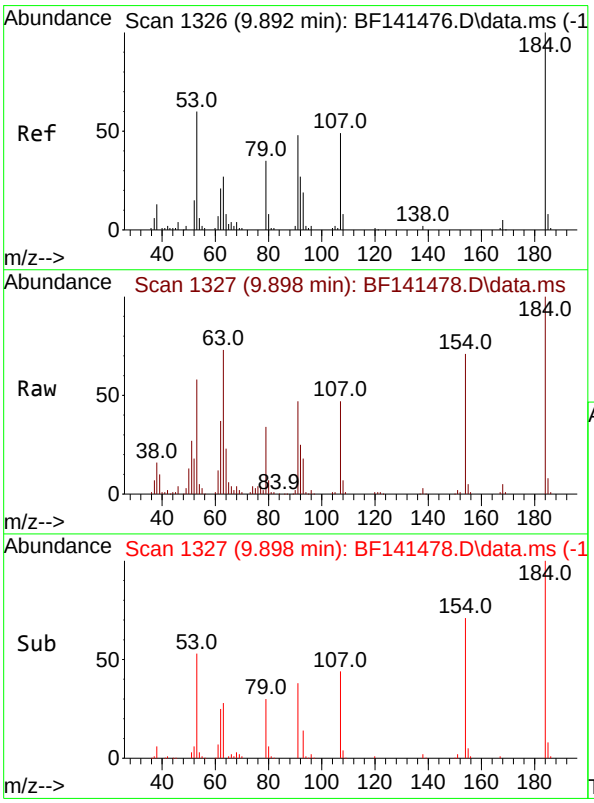
#53
3-Nitroaniline
Concen: 60.237 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 179664

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.4
92	117.5	93.7	140.5

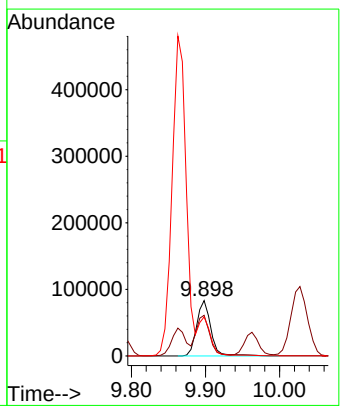


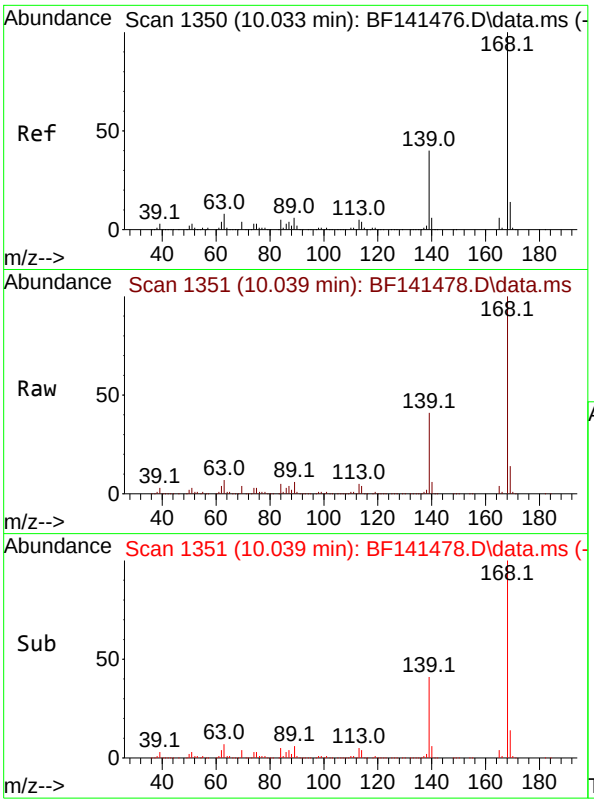


#54
2,4-Dinitrophenol
Concen: 67.432 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:184 Resp: 111060

Ion	Ratio	Lower	Upper
184	100		
63	73.3	61.0	91.6
154	70.6	59.9	89.9



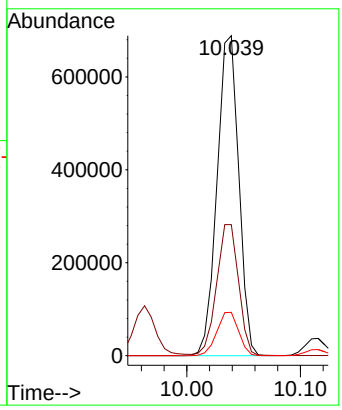


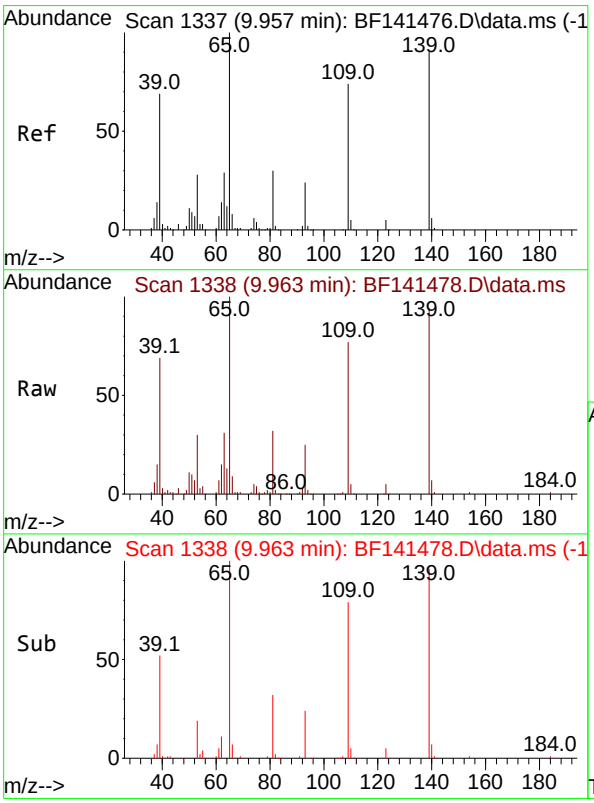
#55
Dibenzofuran
Concen: 58.242 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 915117

Ion	Ratio	Lower	Upper
168	100		
139	41.0	32.7	49.1
169	13.5	10.8	16.2

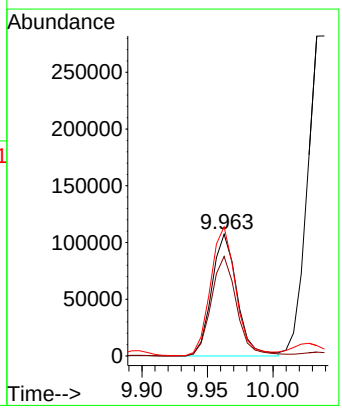


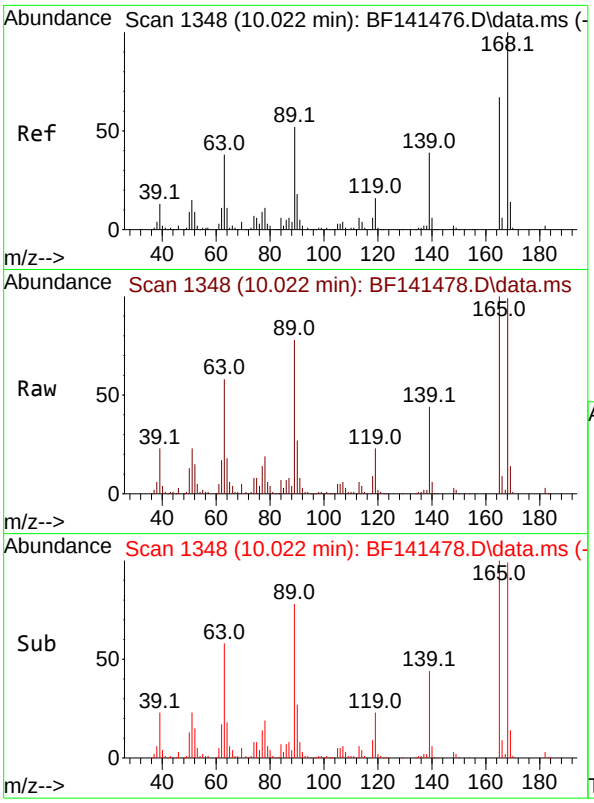


#56
4-Nitrophenol
Concen: 65.035 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:139 Resp: 143994

Ion	Ratio	Lower	Upper
139	100		
109	81.7	62.0	102.0
65	106.0	91.2	131.2



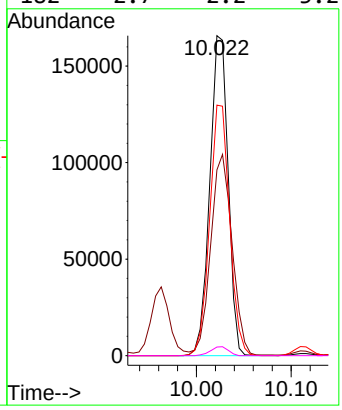


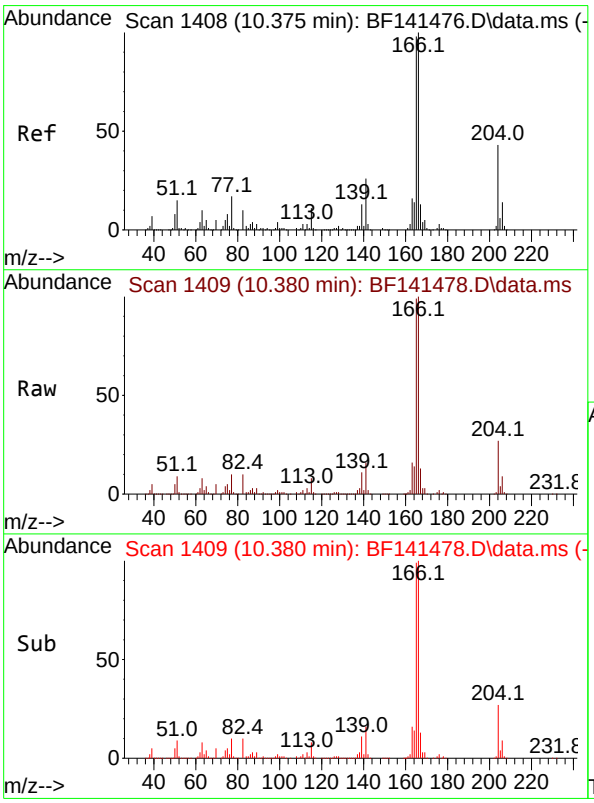
#57
2,4-Dinitrotoluene
Concen: 60.202 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 222091

Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	78.3	61.8	92.6
182	2.7	2.2	3.2

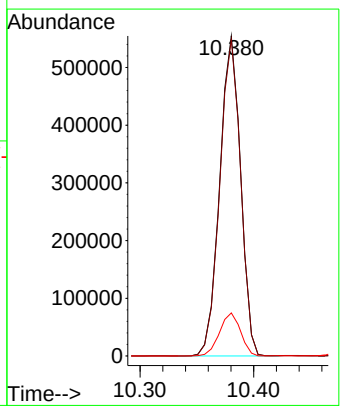


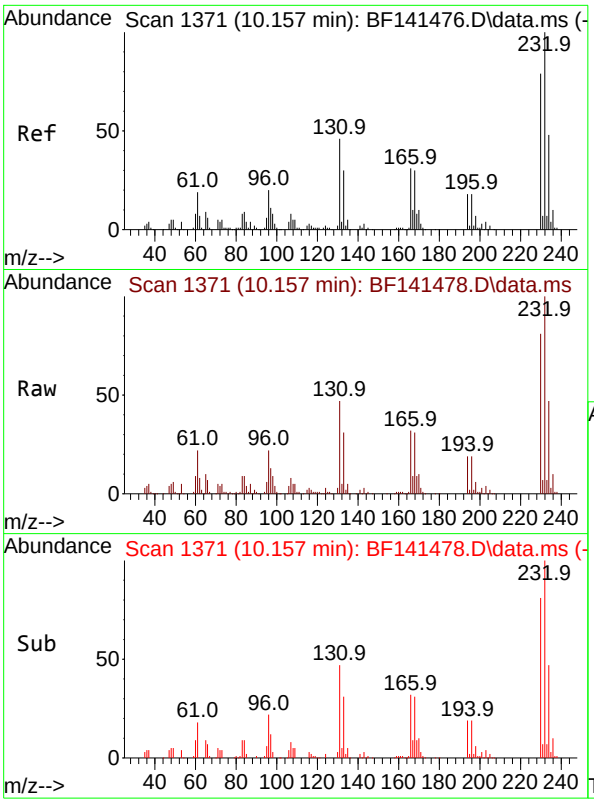


#58
Fluorene
Concen: 58.225 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:166 Resp: 707371

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.2
167	13.5	10.7	16.1



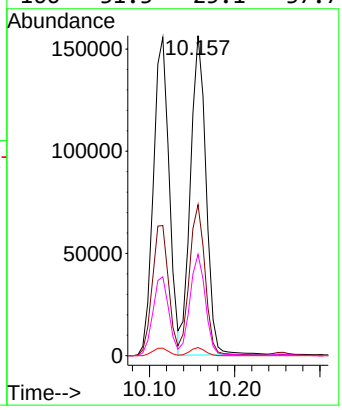


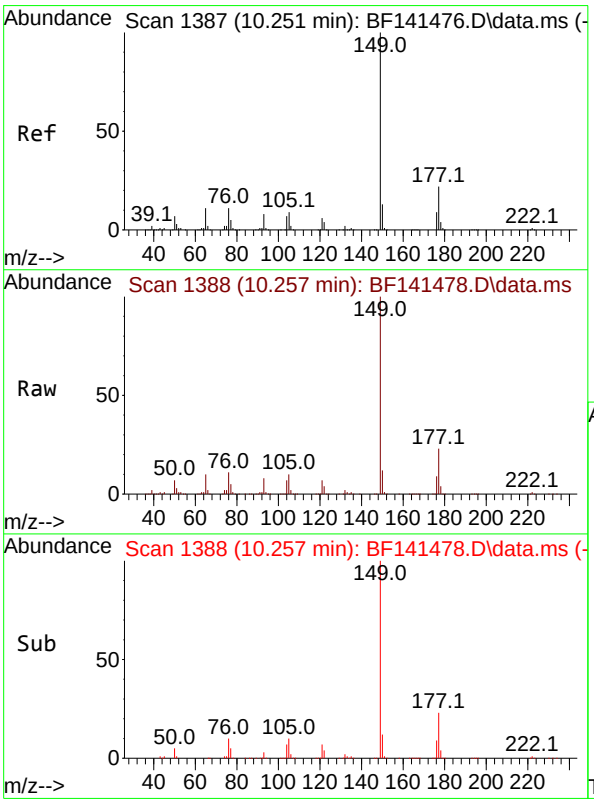
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 198636

Ion	Ratio	Lower	Upper
232	100		
131	47.8	39.2	58.8
130	2.5	2.1	3.1
166	31.3	25.1	37.7

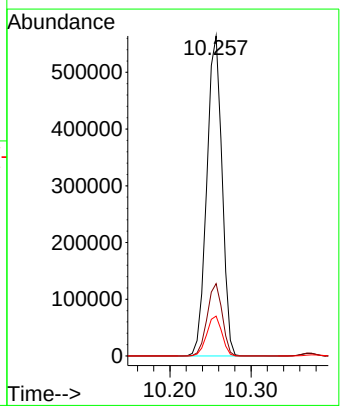


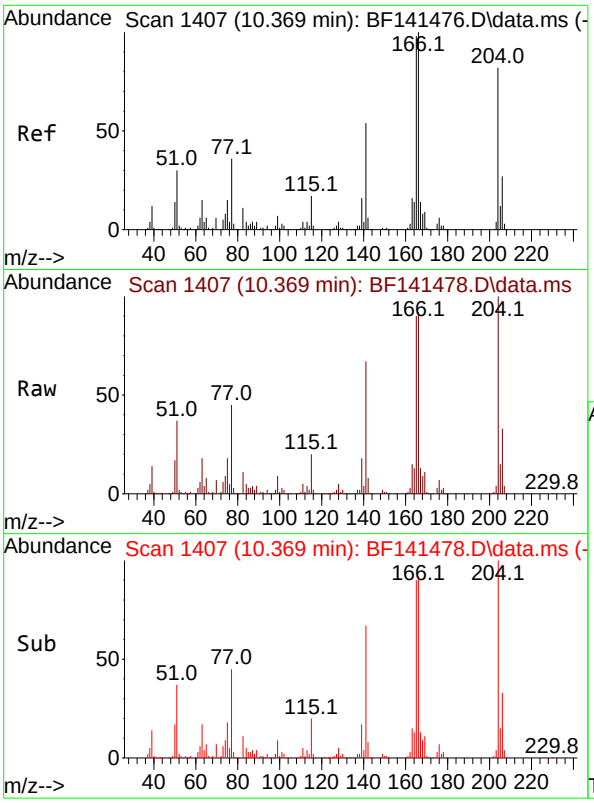


#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 732804

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.5	10.1	15.1



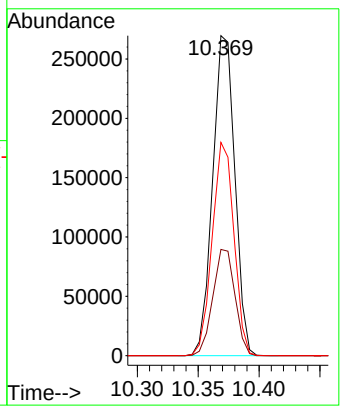


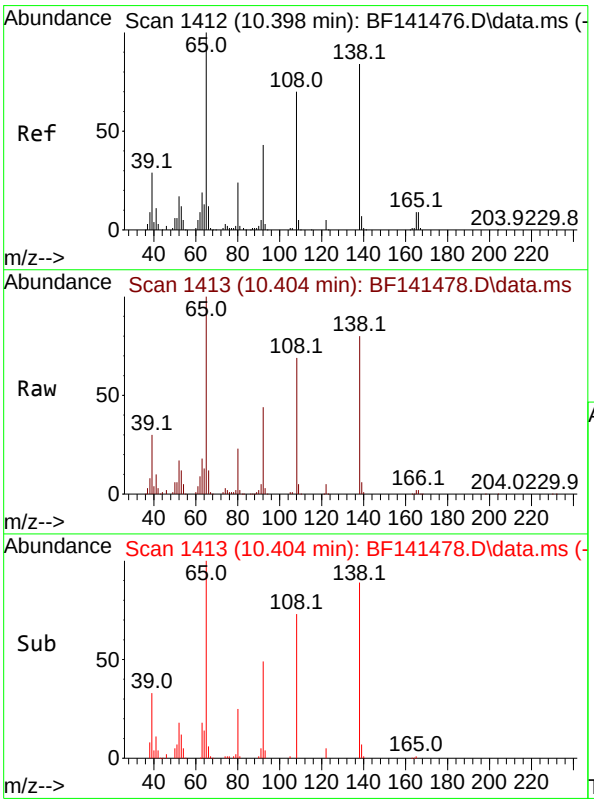
#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 342324

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	40.0
141	66.7	51.9	77.9

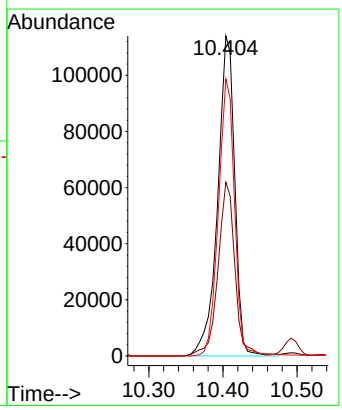


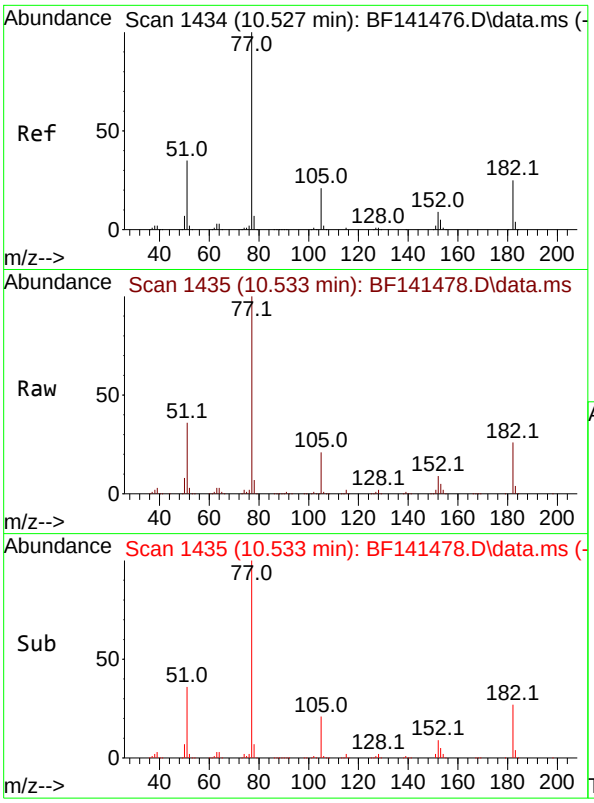


#62
4-Nitroaniline
Concen: 60.406 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:138 Resp: 182946

Ion	Ratio	Lower	Upper
138	100		
92	54.3	31.3	71.3
108	86.6	63.7	103.7



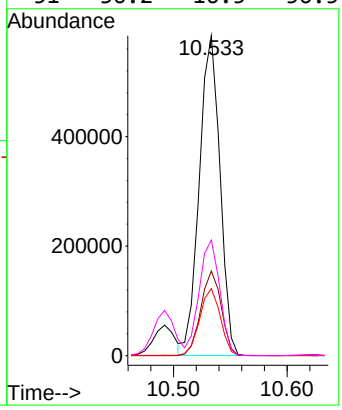


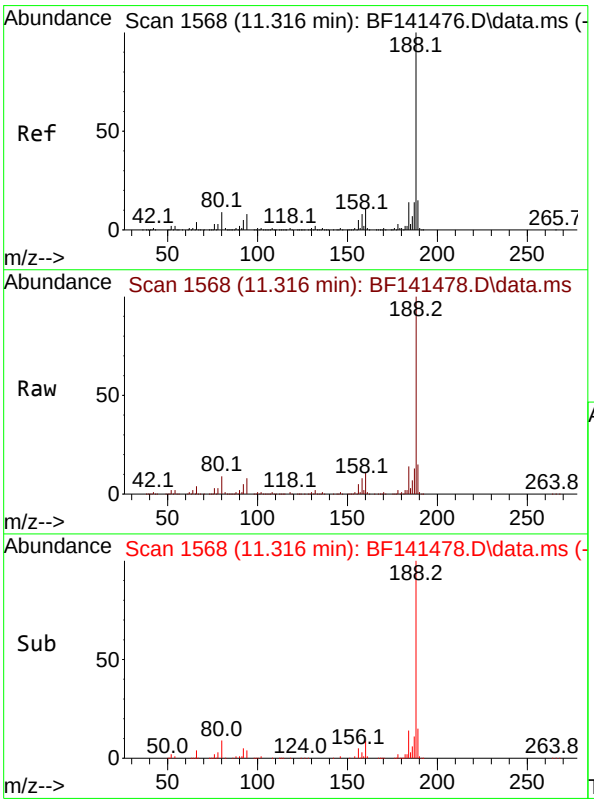
#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 739338

Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.7	44.7
105	21.0	0.4	40.4
51	36.2	16.5	56.5

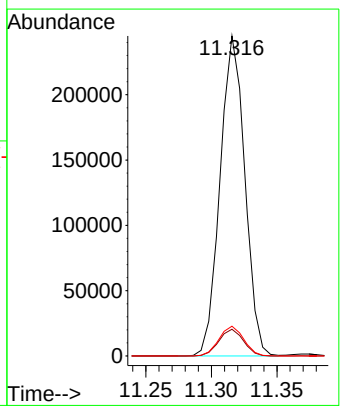


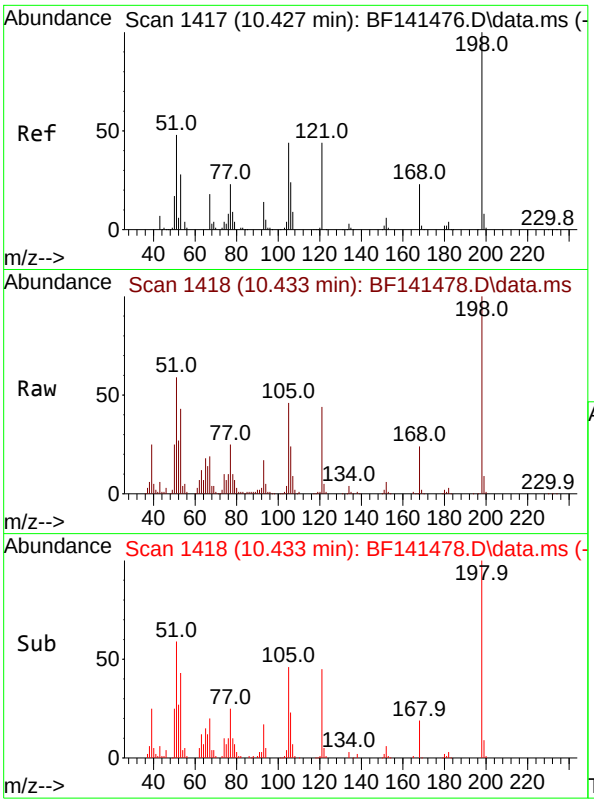


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:188 Resp: 321893

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.3	7.3	10.9



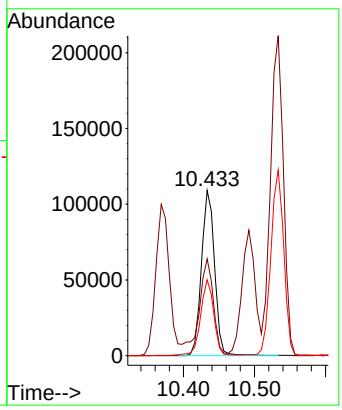


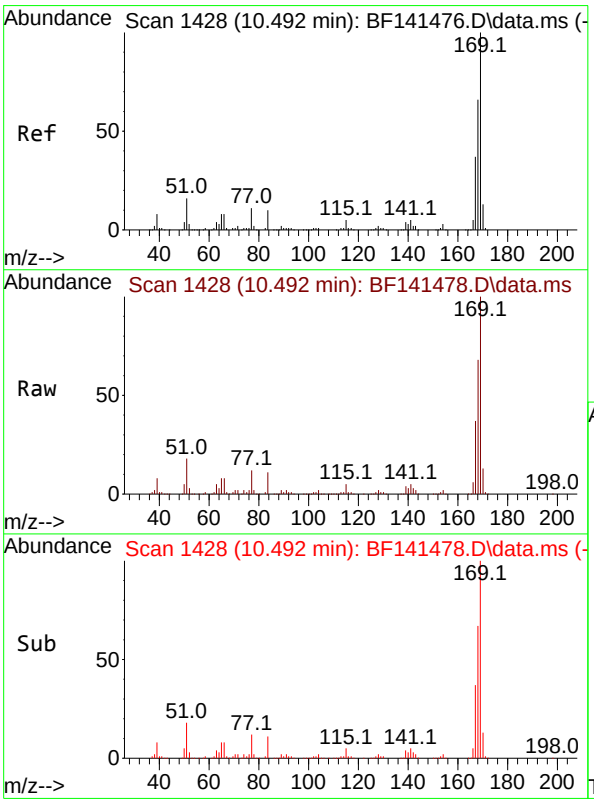
#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 140610

Ion	Ratio	Lower	Upper
198	100		
51	58.6	37.4	77.4
105	46.0	25.2	65.2

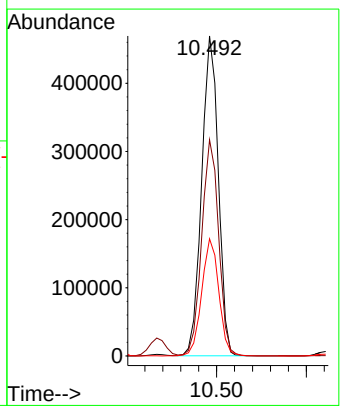


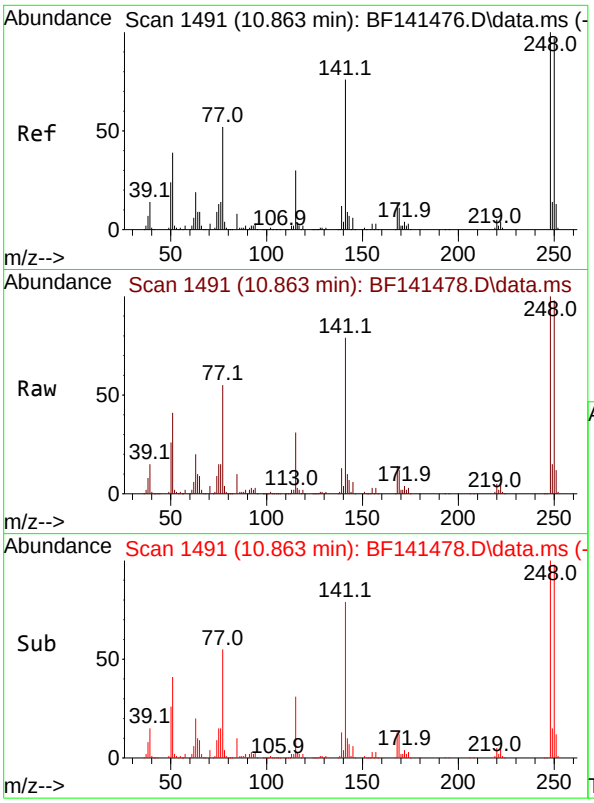


#66
n-Nitrosodiphenylamine
Concen: 58.609 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:169 Resp: 603914

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.3	79.9
167	36.6	29.4	44.2



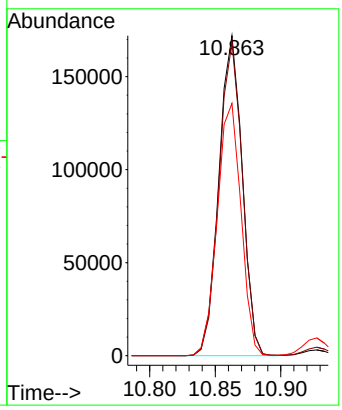


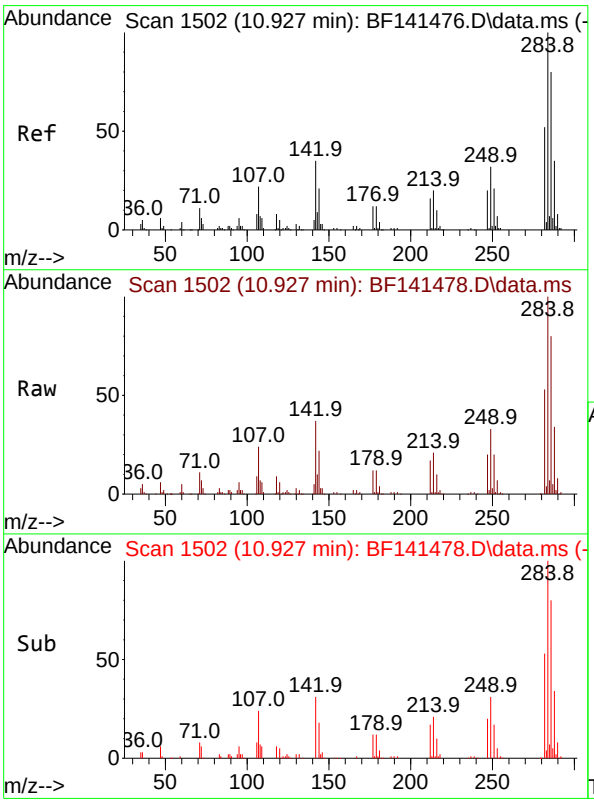
#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 213385

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.8	116.6
141	78.9	60.6	90.8

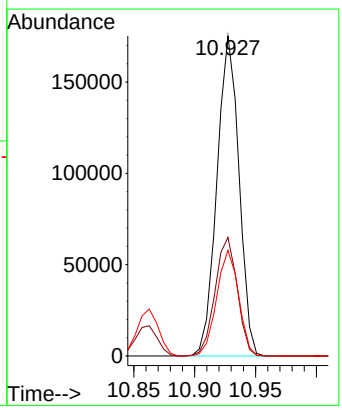


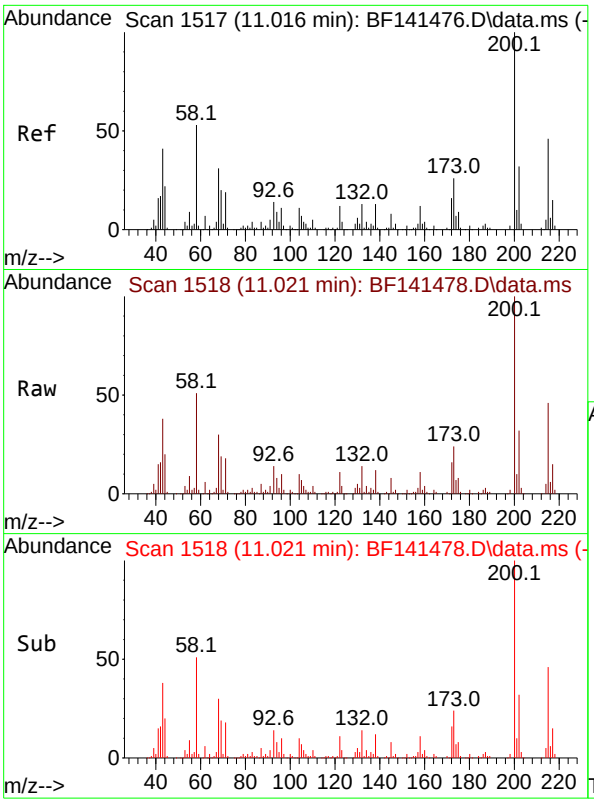


#68
Hexachlorobenzene
Concen: 59.552 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:284 Resp: 220611

Ion	Ratio	Lower	Upper
284	100		
142	37.0	28.0	42.0
249	33.0	25.8	38.8



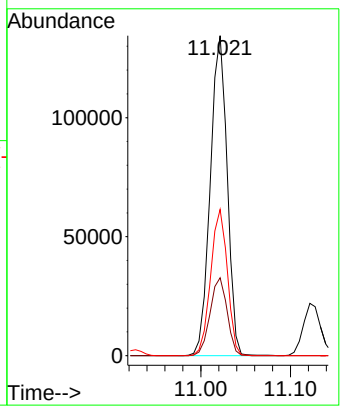


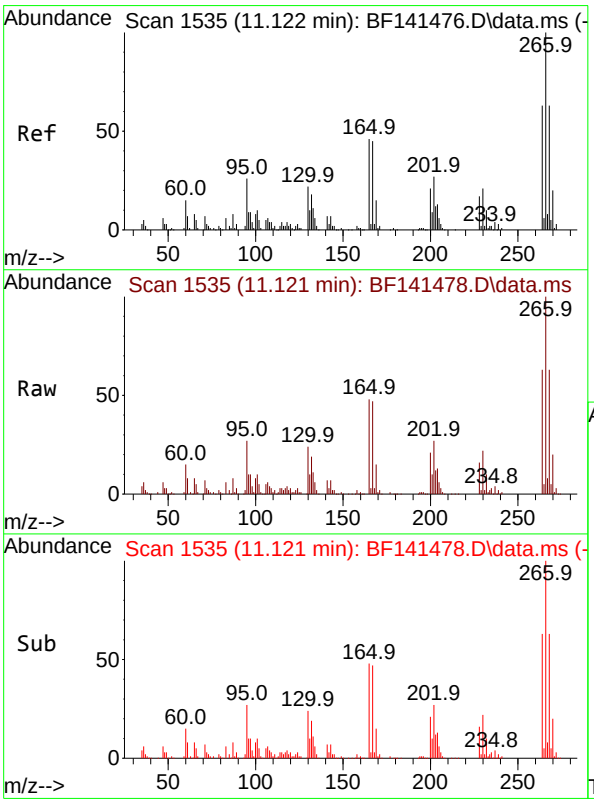
#69
Atrazine
Concen: 56.878 ng
RT: 11.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 175824

Ion	Ratio	Lower	Upper
200	100		
173	24.4	5.9	45.9
215	45.7	25.9	65.9

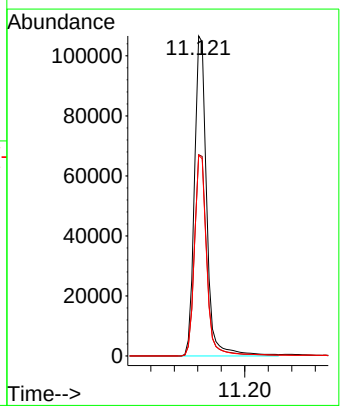


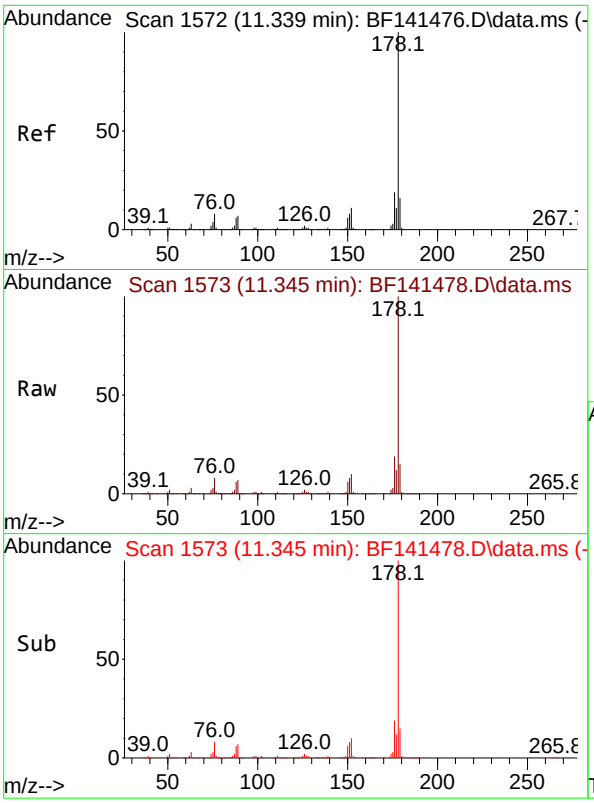


#70
Pentachlorophenol
Concen: 65.001 ng
RT: 11.121 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:266 Resp: 153971

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.1	75.1
264	62.7	50.1	75.1



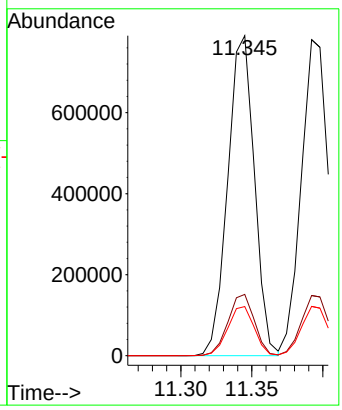


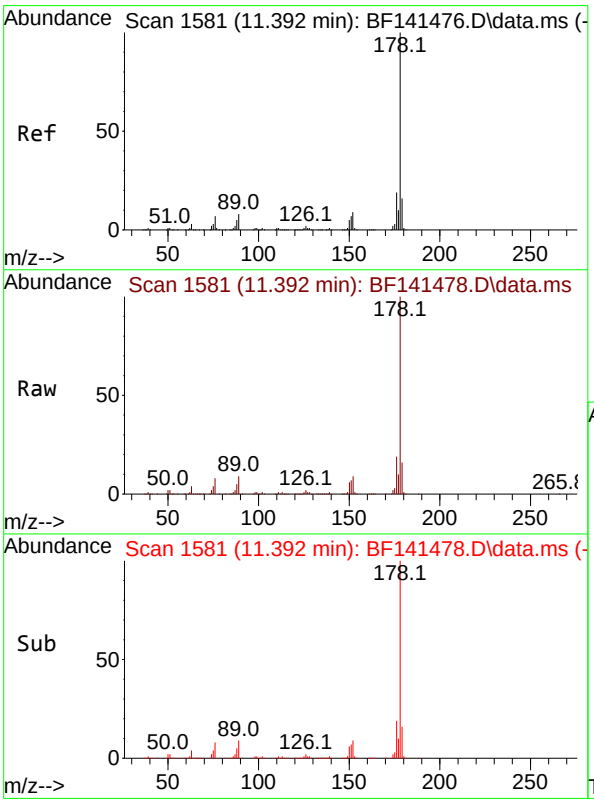
#71
Phenanthrene
Concen: 58.248 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1032075

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6

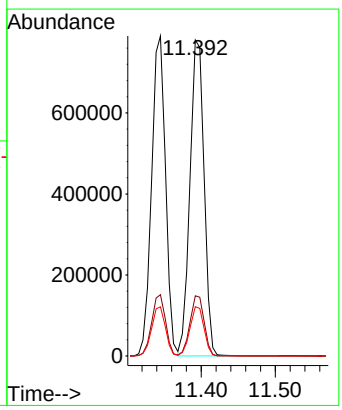


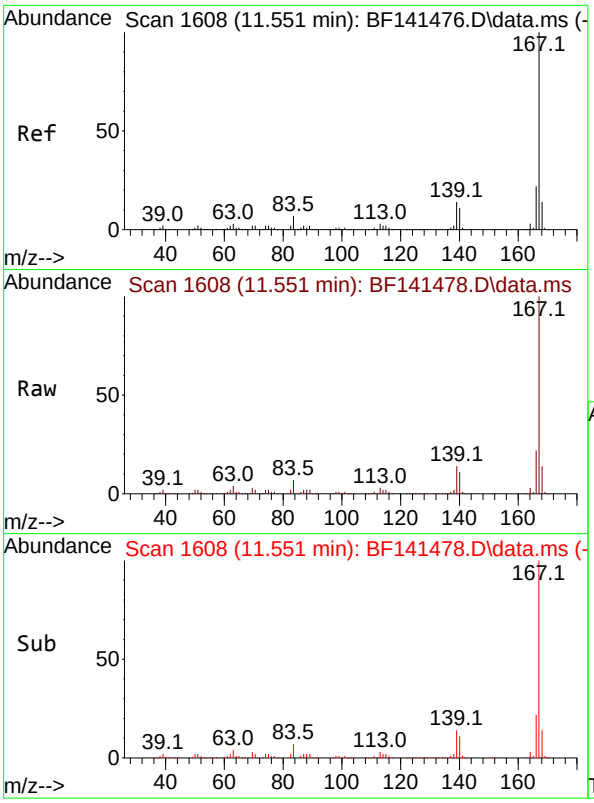


#72
Anthracene
Concen: 58.062 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:178 Resp: 1034181

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.4	18.6



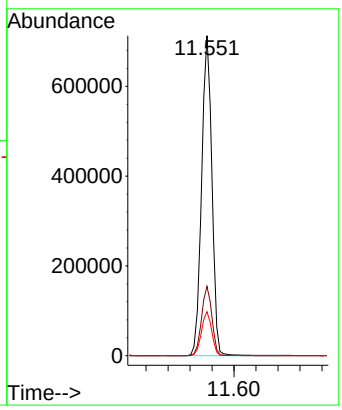


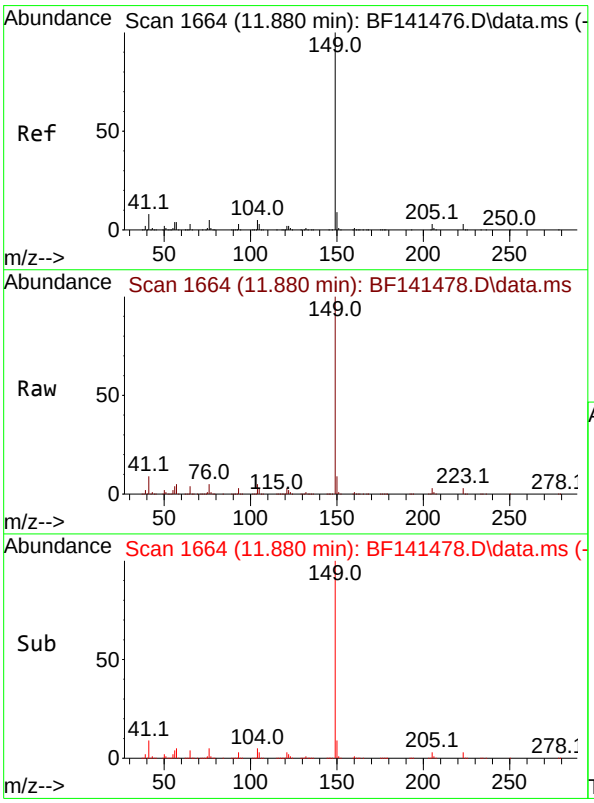
#73
Carbazole
Concen: 57.896 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 927882

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.7	10.9	16.3

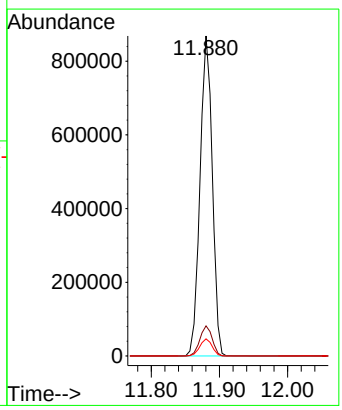


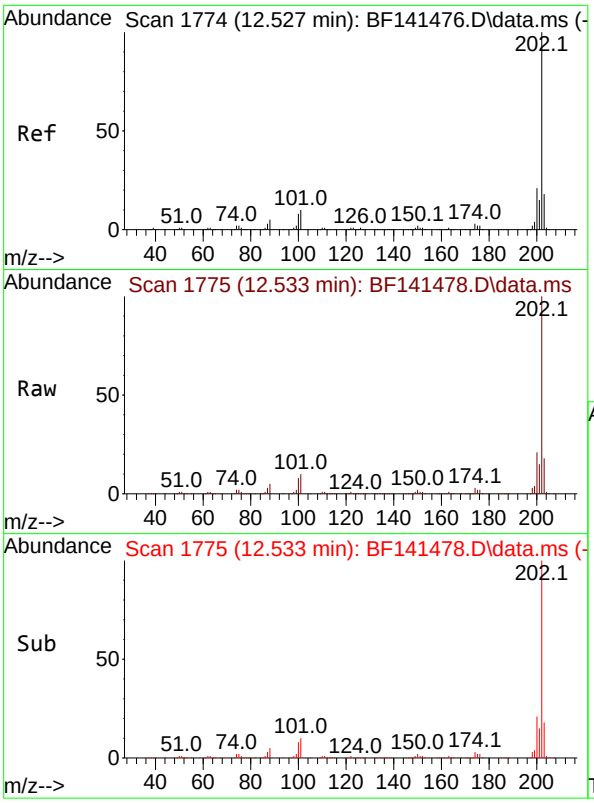


#74
Di-n-butylphthalate
Concen: 58.783 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 1087815

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.4	4.2	6.2



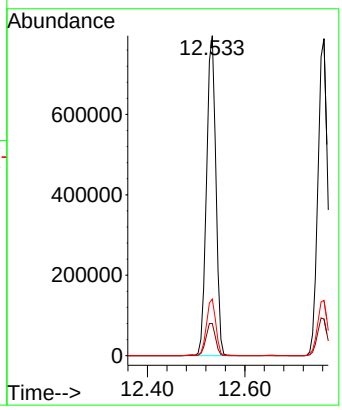


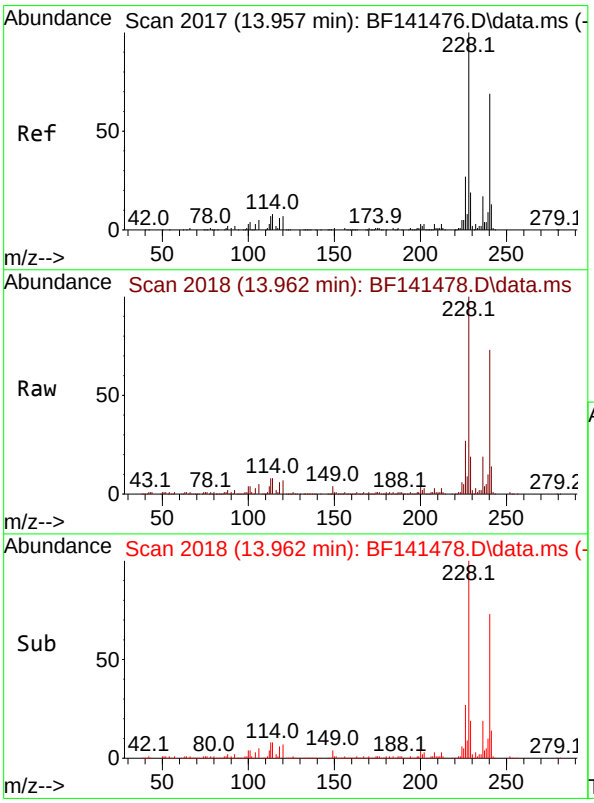
#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1053887

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.7	0.0	37.6

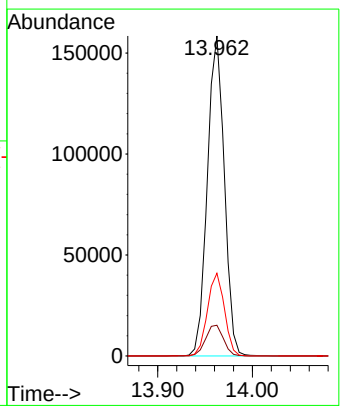


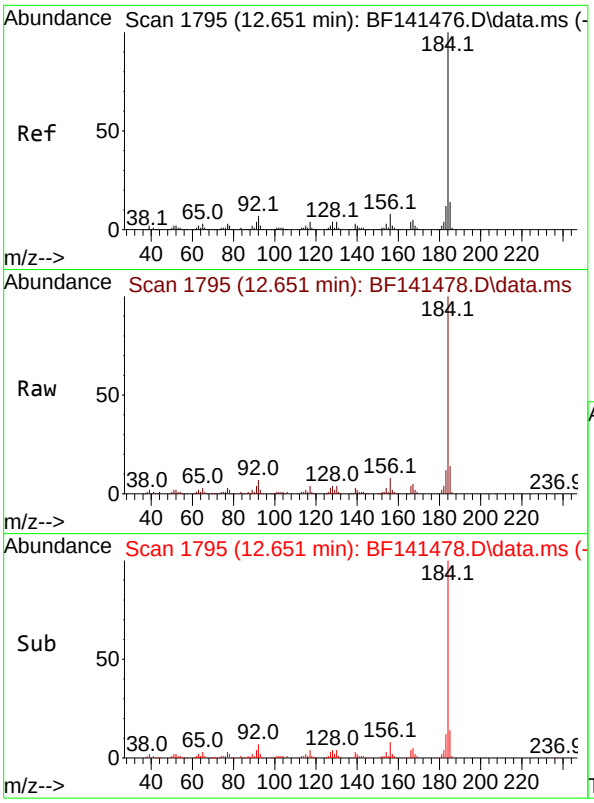


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:240 Resp: 197108

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.9	19.8	29.8



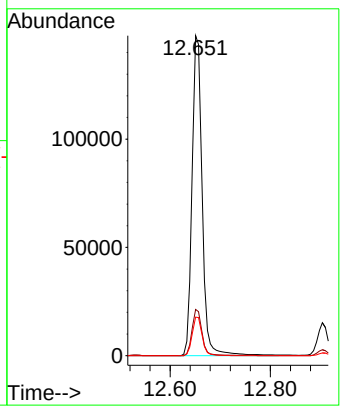


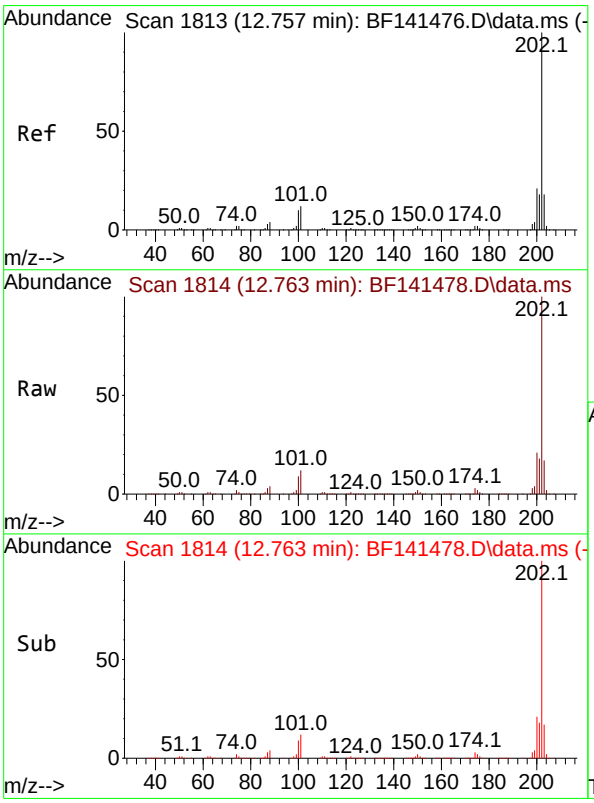
#77
Benzidine
Concen: 47.757 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 207602

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	12.0	9.3	13.9

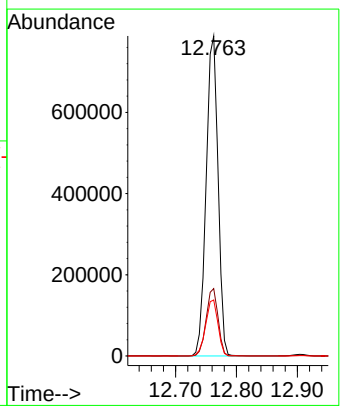


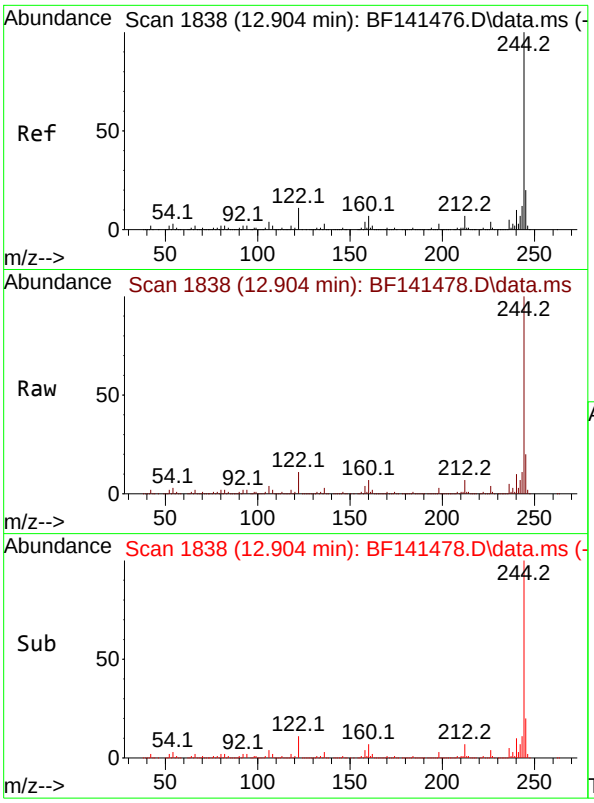


#78
Pyrene
Concen: 63.687 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:202 Resp: 1068624

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.5	14.3	21.5



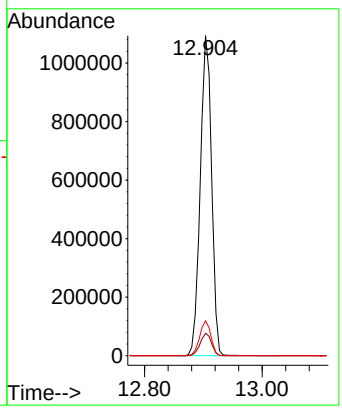


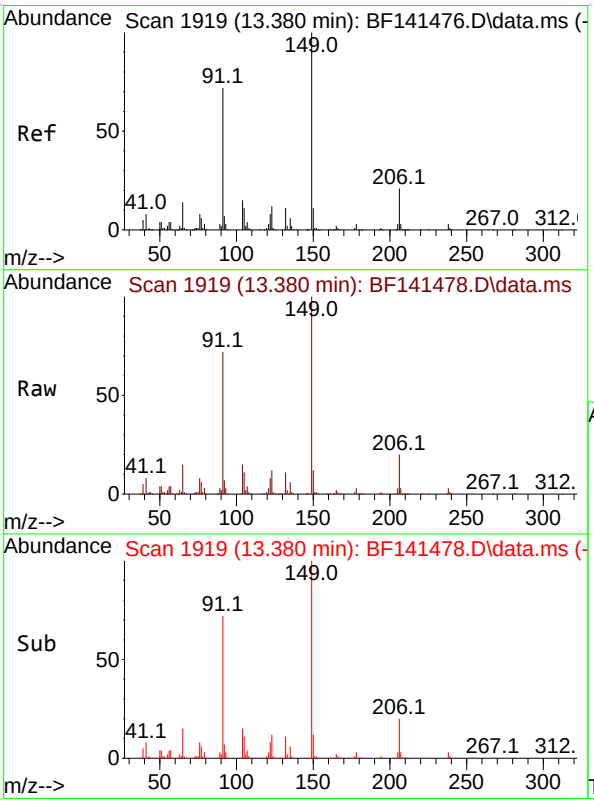
#79
Terphenyl-d14
Concen: 124.977 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1459213

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.9	8.4	12.6

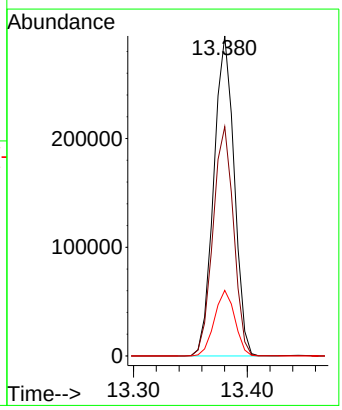


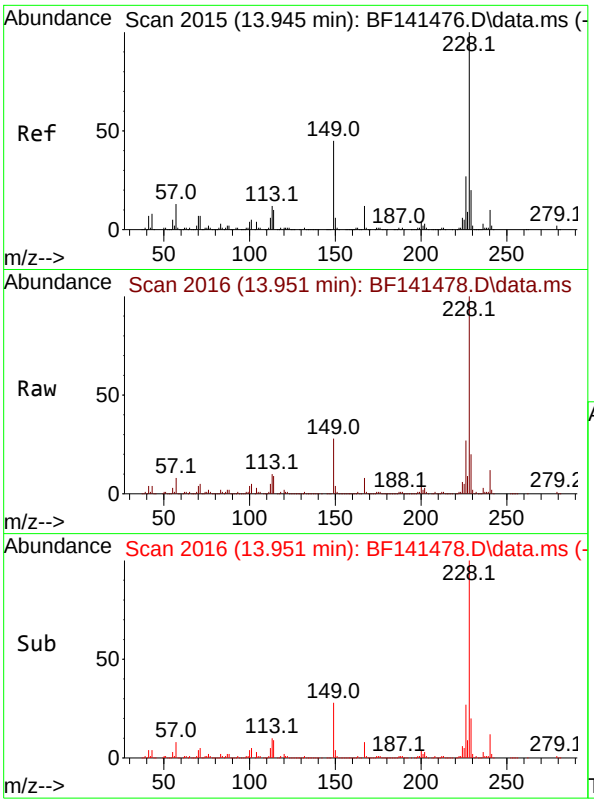


#80
Butylbenzylphthalate
Concen: 63.357 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 368219

Ion	Ratio	Lower	Upper
149	100		
91	71.7	57.8	86.8
206	20.5	16.7	25.1



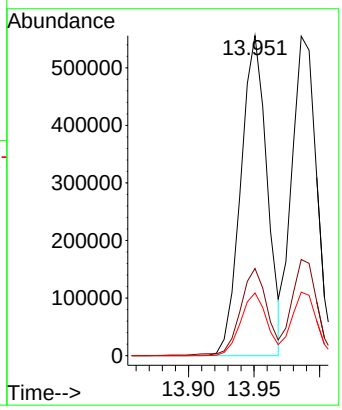


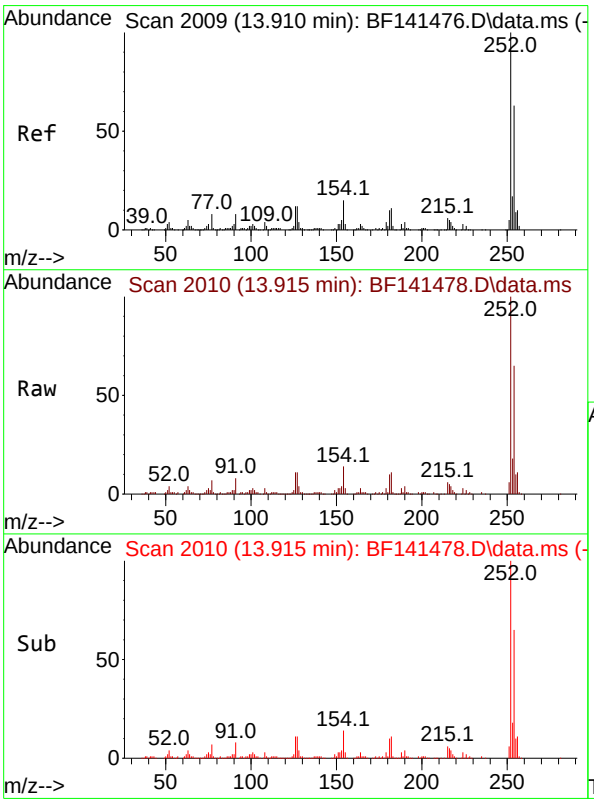
#81
Benzo(a)anthracene
Concen: 59.097 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 774318

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.6	15.8	23.6

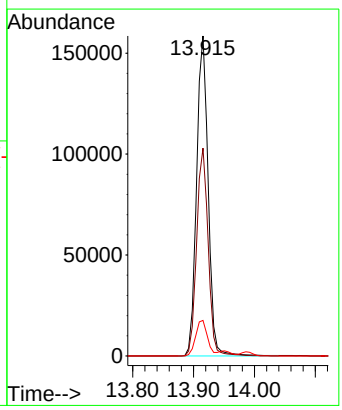


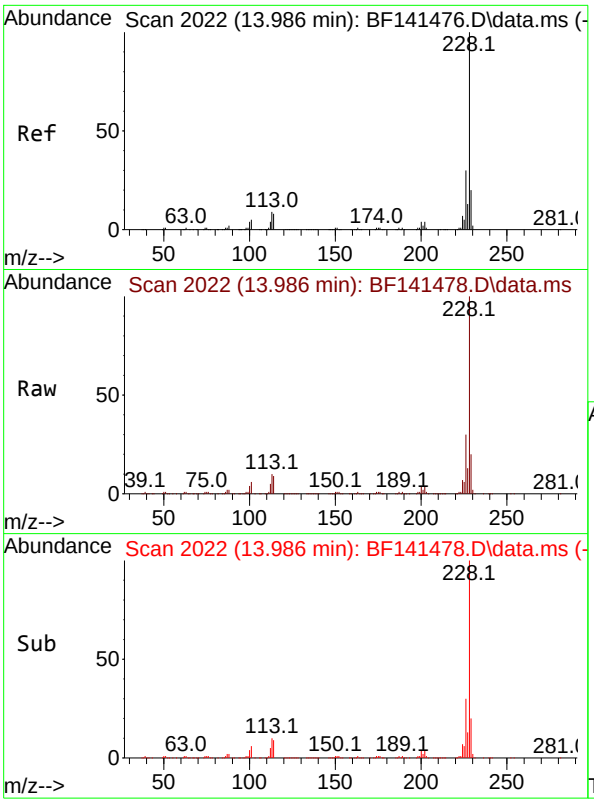


#82
3,3'-Dichlorobenzidine
Concen: 55.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 208826

Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.6	76.0
126	11.1	9.3	13.9



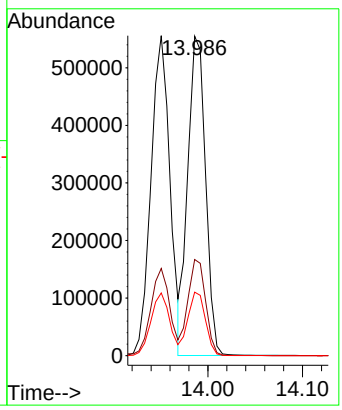


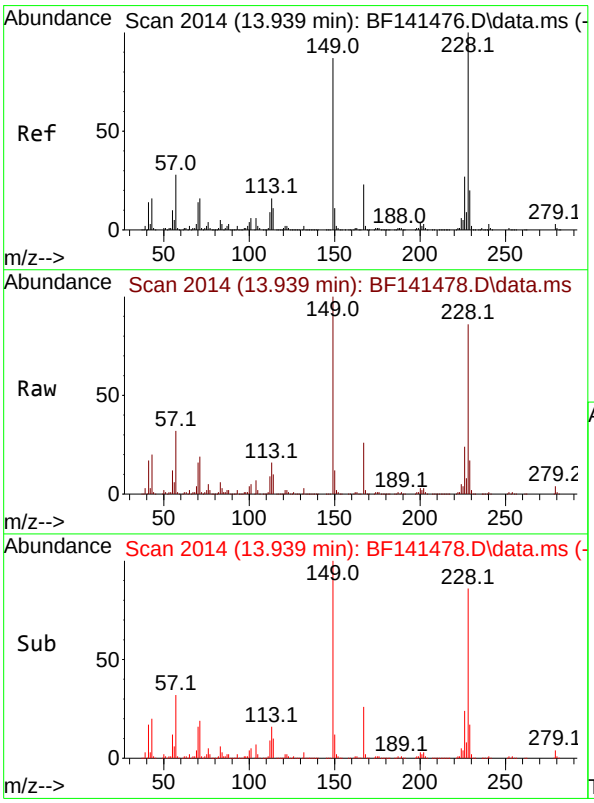
#83
Chrysene
Concen: 59.829 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 723815

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.9	15.7	23.5

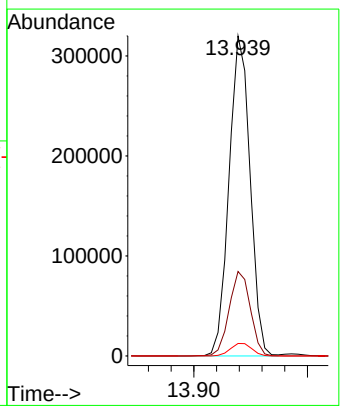


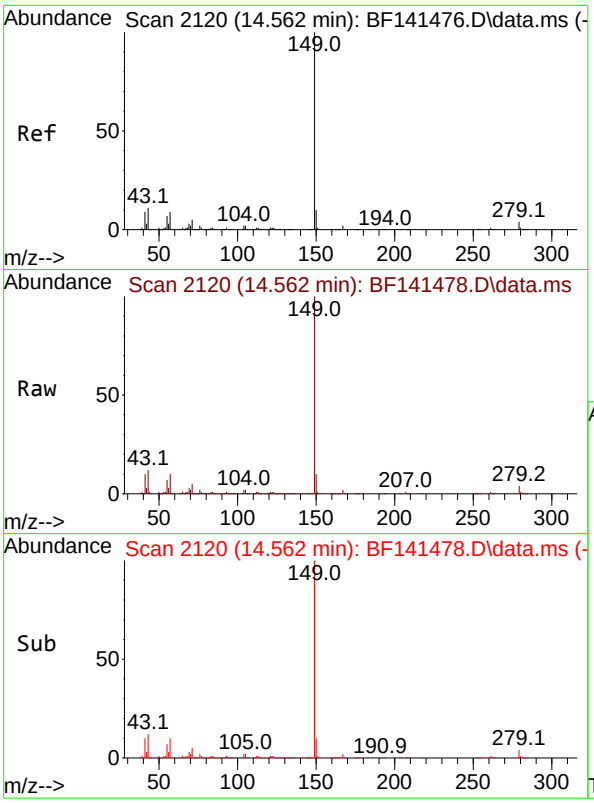


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.851 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 411979

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	3.9	3.1	4.7



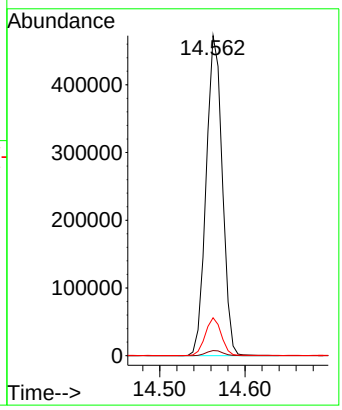


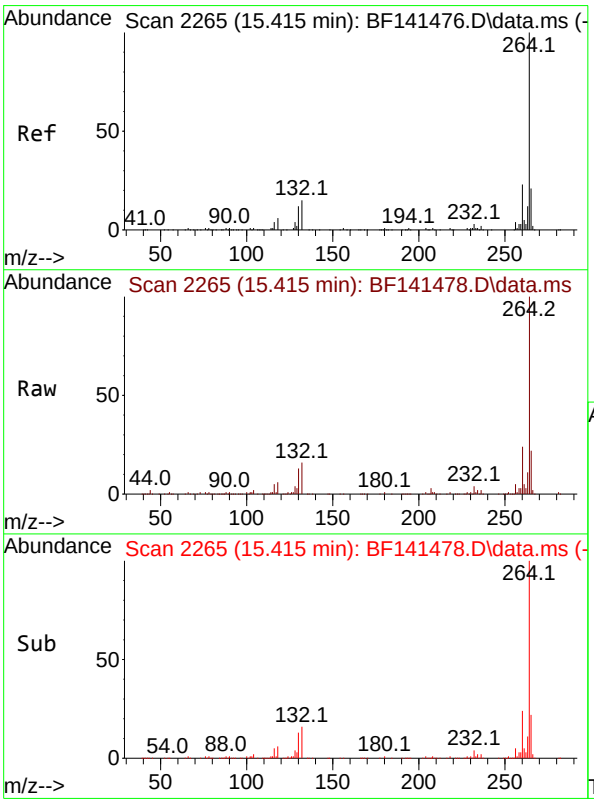
#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 621505

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3

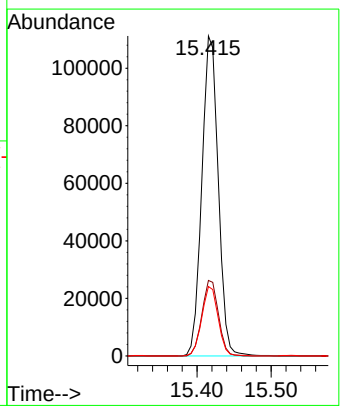


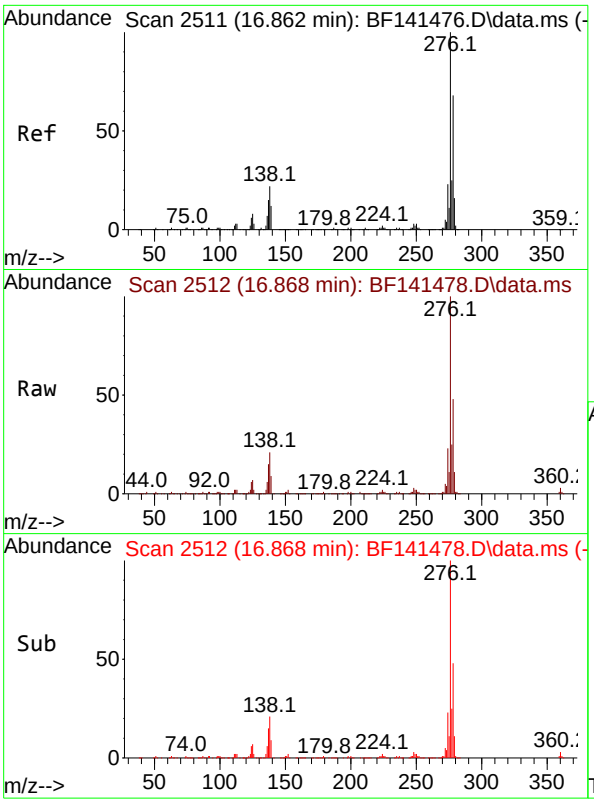


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:264 Resp: 171026

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.7	17.0	25.4



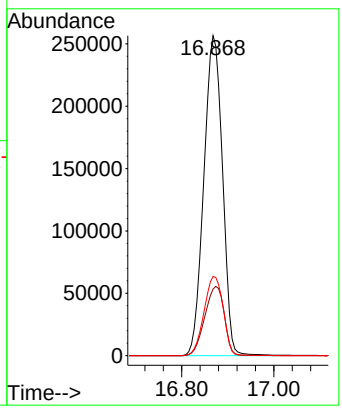


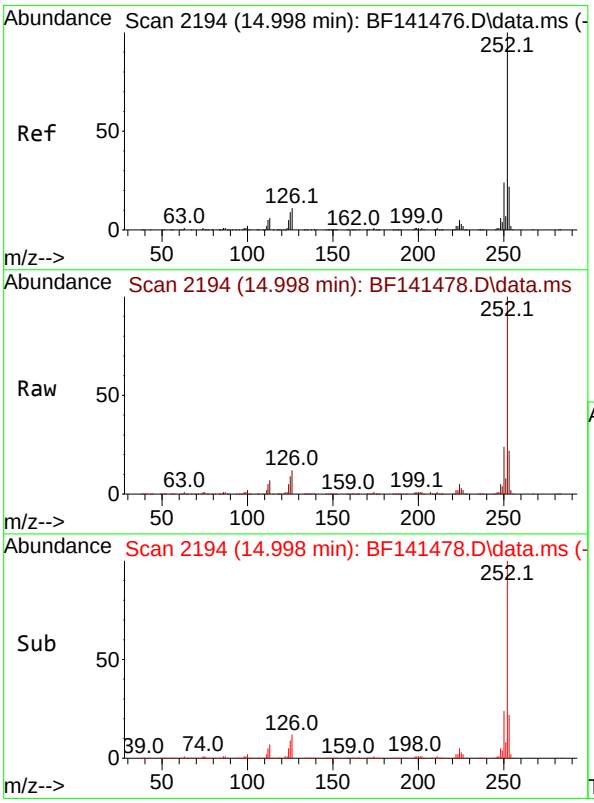
#87
Indeno(1,2,3-cd)pyrene
Concen: 68.464 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 723493

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.0	27.0
277	25.5	20.4	30.6

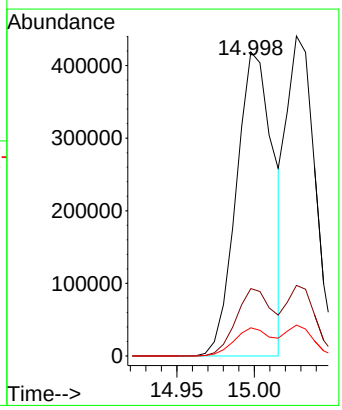


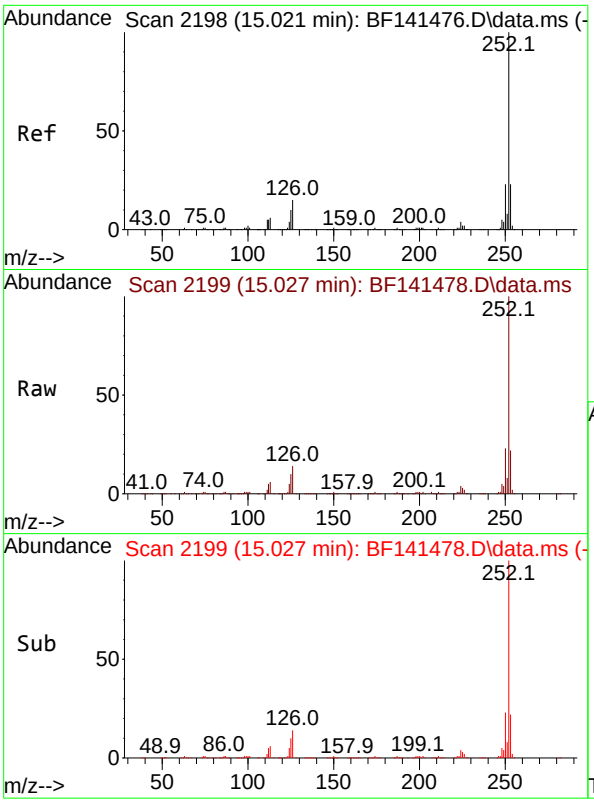


#88
Benzo(b)fluoranthene
Concen: 60.575 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 695617

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.3	7.0	10.6



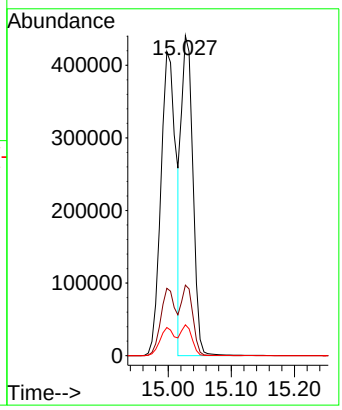


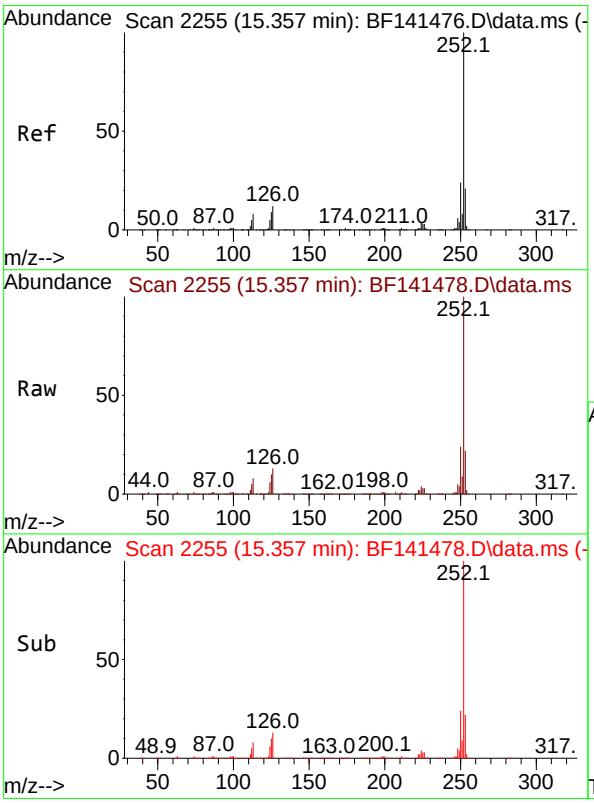
#89
Benzo(k)fluoranthene
Concen: 57.449 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 563342

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.6	7.4	11.0

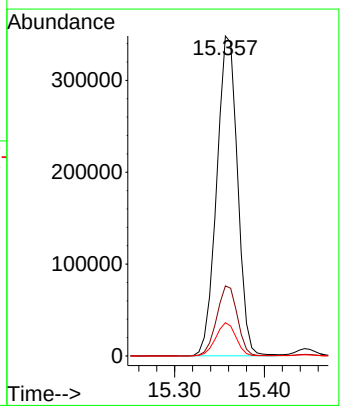


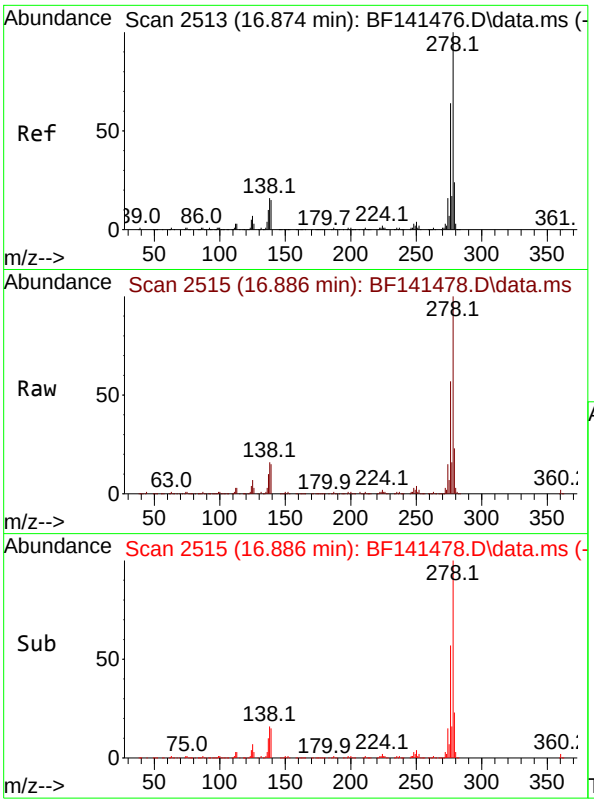


#90
Benzo(a)pyrene
Concen: 60.423 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 561457

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.4	7.4	11.2



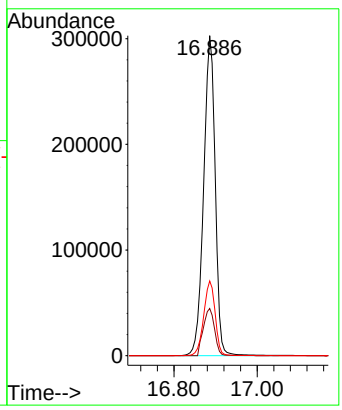


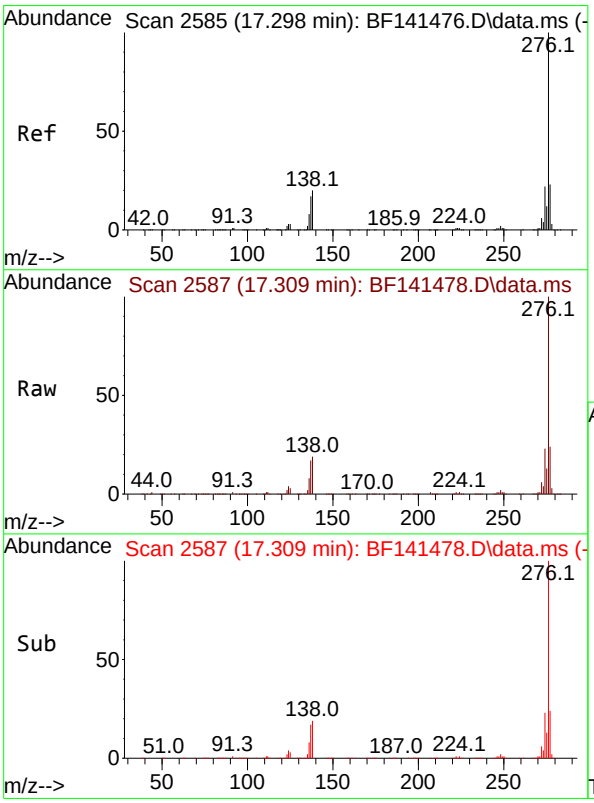
#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 584115

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.4	19.1	28.7

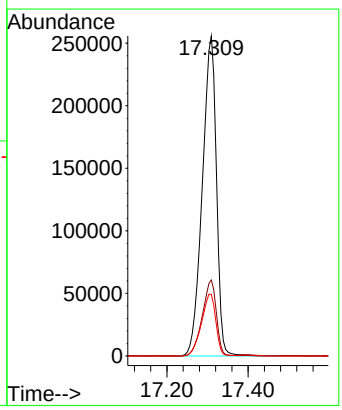




#92
Benzo(g,h,i)perylene
Concen: 68.884 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:276 Resp: 617241

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	19.3	15.9	23.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	90415	20.000	ng		0.00
21) Naphthalene-d8	8.075	136	341252	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	186230	20.000	ng		0.00
64) Phenanthrene-d10	11.316	188	312902	20.000	ng		0.00
76) Chrysene-d12	13.962	240	184347	20.000	ng		0.00
86) Perylene-d12	15.415	264	170605	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	878184	152.272	ng		0.00
7) Phenol-d6	6.439	99	1112281	152.591	ng		0.00
23) Nitrobenzene-d5	7.363	82	1048314	160.228	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	291947	156.058	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	1789795	148.066	ng		0.00
79) Terphenyl-d14	12.904	244	1781602	163.152	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.481	88	181328	78.119	ng		99
3) Pyridine	3.216	79	435462	78.838	ng		99
4) n-Nitrosodimethylamine	3.187	42	301403	82.409	ng		97
6) Aniline	6.463	93	498556	72.913	ng		94
8) 2-Chlorophenol	6.586	128	470975	75.577	ng		99
10) Phenol	6.457	94	567332	74.779	ng		99
11) bis(2-Chloroethyl)ether	6.534	93	454141	79.695	ng		99
12) 1,3-Dichlorobenzene	6.734	146	494180	75.115	ng		99
13) 1,4-Dichlorobenzene	6.810	146	498585	74.175	ng		99
14) 1,2-Dichlorobenzene	6.963	146	464559	74.465	ng		99
15) Benzyl Alcohol	6.939	79	420673	75.258	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	708318	72.613	ng		77
17) 2-Methylphenol	7.057	107	370173	75.912	ng		97
18) Hexachloroethane	7.304	117	190062	76.402	ng		97
19) n-Nitroso-di-n-propyla...	7.216	70	328097	75.249	ng		98
20) 3+4-Methylphenols	7.216	107	450046	72.613	ng	#	88
22) Acetophenone	7.210	105	652334	76.846	ng		98
24) Nitrobenzene	7.381	77	513249	80.448	ng		98
25) Isophorone	7.622	82	838076	80.337	ng		99
26) 2-Nitrophenol	7.692	139	261386	82.350	ng		98
27) 2,4-Dimethylphenol	7.733	122	300036	80.915	ng		98
28) bis(2-Chloroethoxy)met...	7.828	93	529442	79.203	ng		99
29) 2,4-Dichlorophenol	7.939	162	399027	79.645	ng		98
30) 1,2,4-Trichlorobenzene	8.016	180	428656	78.568	ng		99
31) Naphthalene	8.098	128	1381453	77.769	ng		100
32) Benzoic acid	7.892	122	335418	87.086	ng		98
33) 4-Chloroaniline	8.157	127	504834	81.400	ng		98
34) Hexachlorobutadiene	8.210	225	257532	78.628	ng		100
35) Caprolactam	8.545	113	125619	82.350	ng		97
36) 4-Chloro-3-methylphenol	8.639	107	441925	79.630	ng		98
37) 2-Methylnaphthalene	8.786	142	889774	76.975	ng		100
38) 1-Methylnaphthalene	8.886	142	861860	76.983	ng		99
40) 1,2,4,5-Tetrachloroben...	8.951	216	418579	77.689	ng		99
41) Hexachlorocyclopentadiene	8.939	237	159430	88.965	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	277156	79.591	ng		97
44) 2,4,5-Trichlorophenol	9.116	196	298856	79.189	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.257	154	1100720	76.237	ng	99
47) 2-Chloronaphthalene	9.280	162	821334	76.929	ng	99
48) 2-Nitroaniline	9.380	65	286532	79.969	ng	97
49) Acenaphthylene	9.692	152	1211515	76.291	ng	99
50) Dimethylphthalate	9.563	163	1002121	79.265	ng	99
51) 2,6-Dinitrotoluene	9.622	165	215853	78.101	ng	94
52) Acenaphthene	9.869	154	819818	76.791	ng	99
53) 3-Nitroaniline	9.792	138	235511	79.173	ng	97
54) 2,4-Dinitrophenol	9.904	184	147768	89.960	ng	95
55) Dibenzofuran	10.039	168	1174157	74.928	ng	100
56) 4-Nitrophenol	9.969	139	187131	84.744	ng	97
57) 2,4-Dinitrotoluene	10.027	165	284954	77.449	ng	95
58) Fluorene	10.380	166	909704	75.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	253454	78.006	ng	98
60) Diethylphthalate	10.257	149	945293	75.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.374	204	435522	74.716	ng	99
62) 4-Nitroaniline	10.416	138	241257	79.873	ng	99
63) Azobenzene	10.533	77	963689	77.931	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	185427	85.309	ng	99
66) n-Nitrosodiphenylamine	10.498	169	785313	78.404	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	276228	78.988	ng	96
68) Hexachlorobenzene	10.927	284	285111	79.174	ng	97
69) Atrazine	11.021	200	219923	73.188	ng	100
70) Pentachlorophenol	11.127	266	200556	87.100	ng	99
71) Phenanthrene	11.345	178	1312474	76.201	ng	100
72) Anthracene	11.398	178	1322462	76.380	ng	99
73) Carbazole	11.551	167	1168253	74.989	ng	99
74) Di-n-butylphthalate	11.880	149	1382706	76.865	ng	99
75) Fluoranthene	12.533	202	1333237	73.011	ng	100
77) Benzidine	12.657	184	354555	87.207	ng	99
78) Pyrene	12.763	202	1319554	84.086	ng	100
80) Butylbenzylphthalate	13.380	149	459803	84.592	ng	100
81) Benzo(a)anthracene	13.951	228	943291	76.977	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	263773	75.143	ng	100
83) Chrysene	13.992	228	906415	80.108	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	517884	84.477	ng	99
85) Di-n-octyl phthalate	14.562	149	803601	91.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	961023	91.166	ng	100
88) Benzo(b)fluoranthene	15.004	252	865205	75.529	ng	100
89) Benzo(k)fluoranthene	15.033	252	776323	79.364	ng	99
90) Benzo(a)pyrene	15.362	252	742932	80.150	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	773684	90.578	ng	99
92) Benzo(g,h,i)perylene	17.315	276	831418	93.015	ng	99

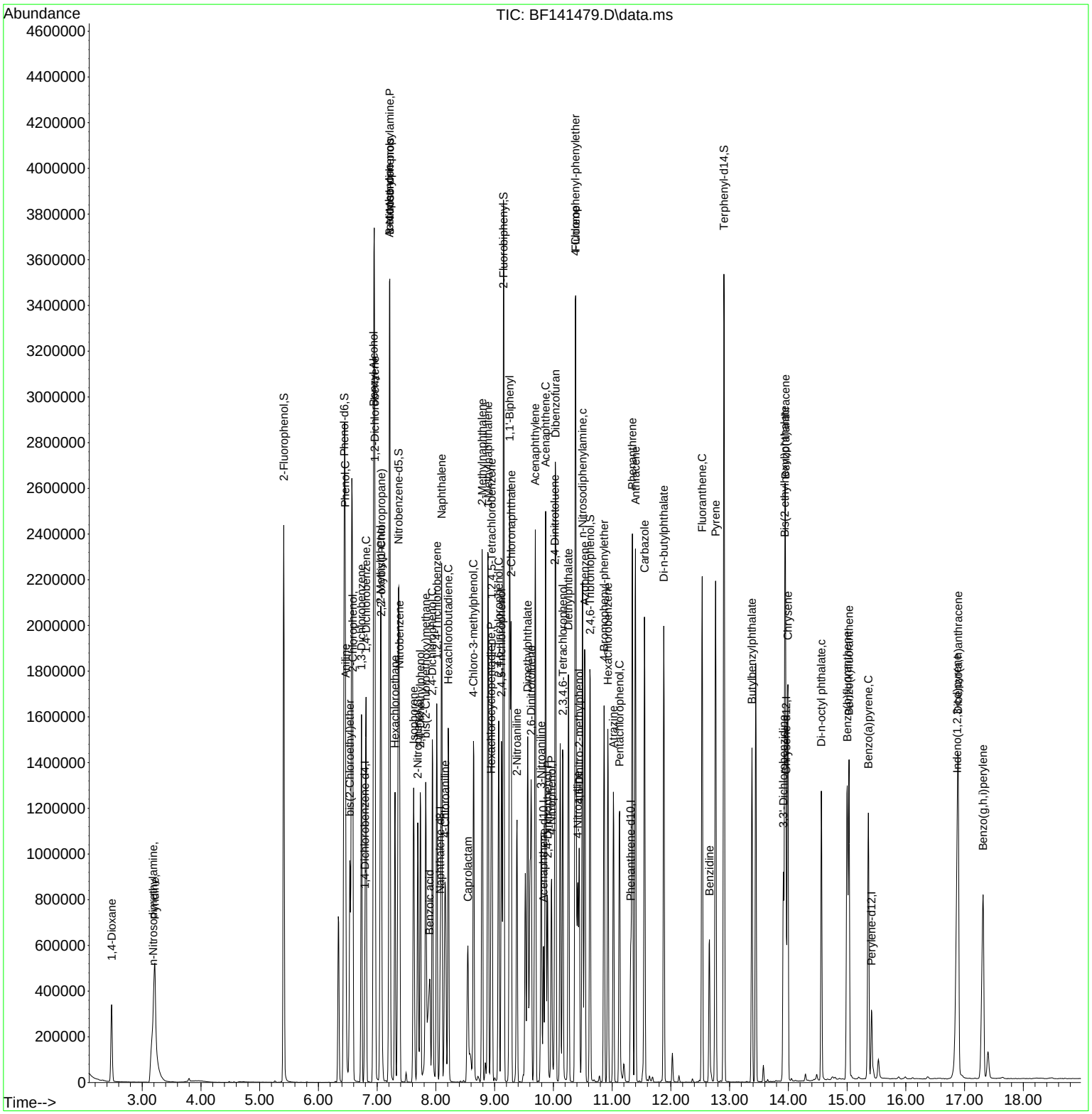
(#) = qualifier out of range (m) = manual integration (+) = signals summed

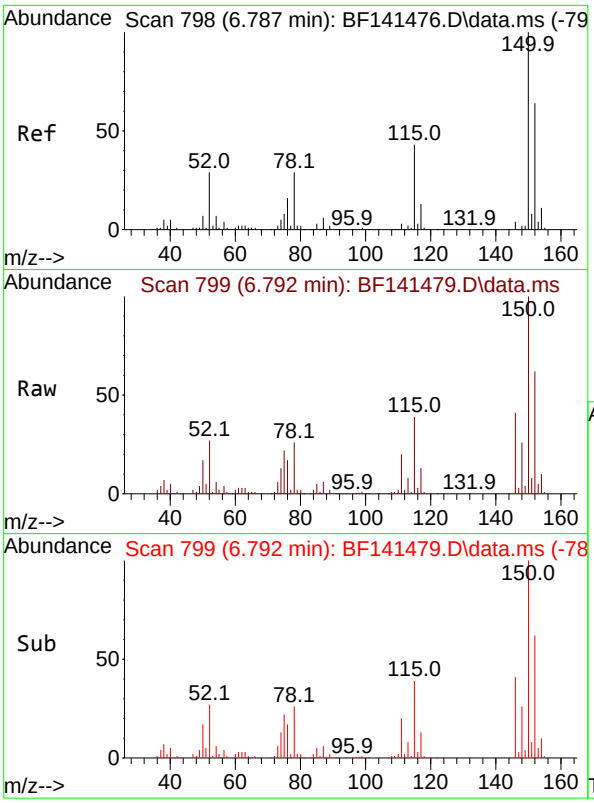
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141479.D
Acq On : 06 Feb 2025 14:14
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Feb 06 16:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



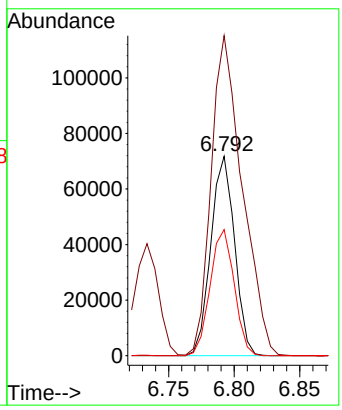


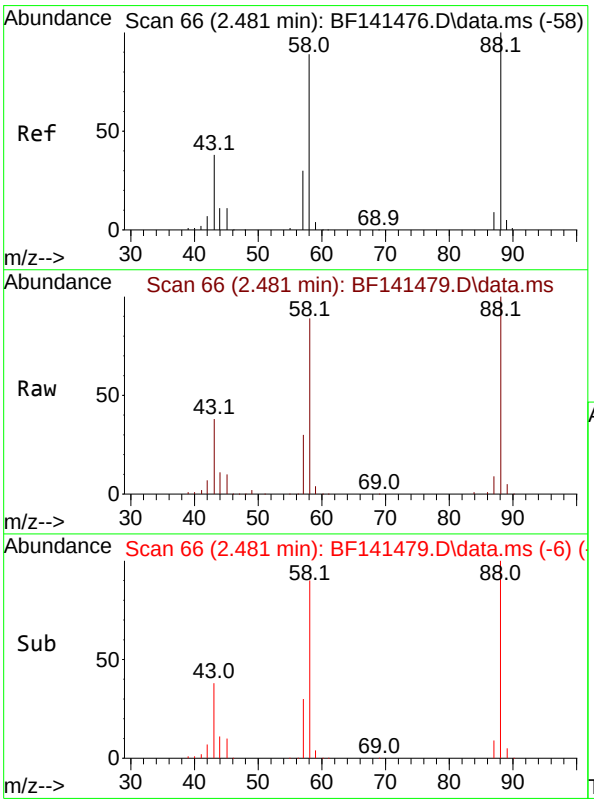
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 90415

Ion	Ratio	Lower	Upper
152	100		
150	160.5	125.0	187.4
115	63.2	53.6	80.4

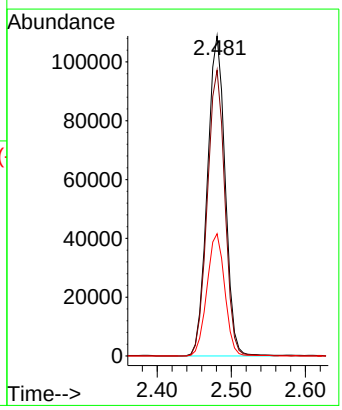


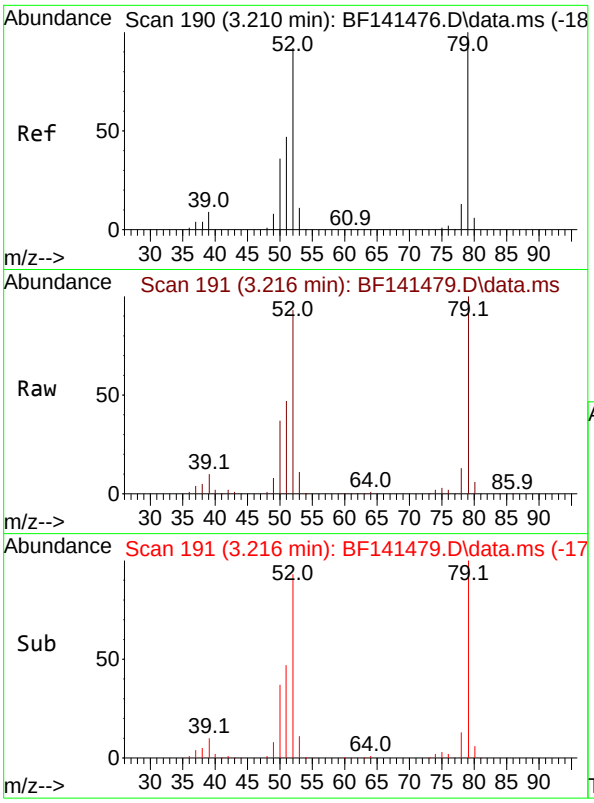


#2
1,4-Dioxane
Concen: 78.119 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 88 Resp: 181328

Ion	Ratio	Lower	Upper
88	100		
58	88.2	71.1	106.7
43	38.3	30.6	46.0



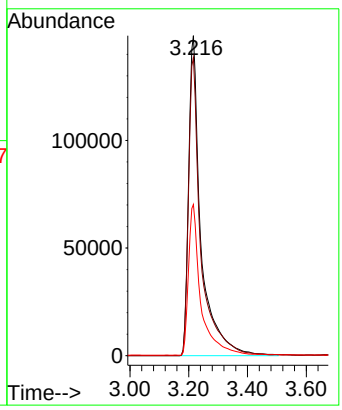


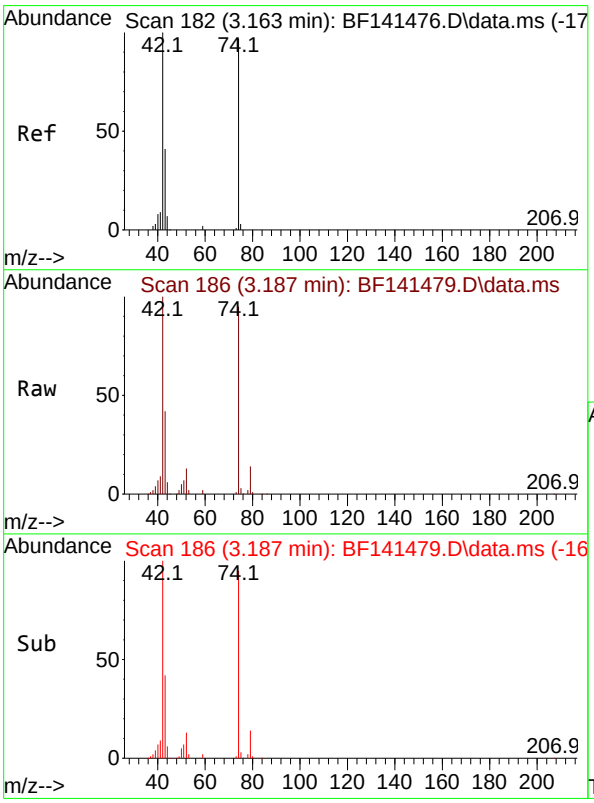
#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 435462

Ion	Ratio	Lower	Upper
79	100		
52	93.2	73.7	110.5
51	47.3	37.5	56.3

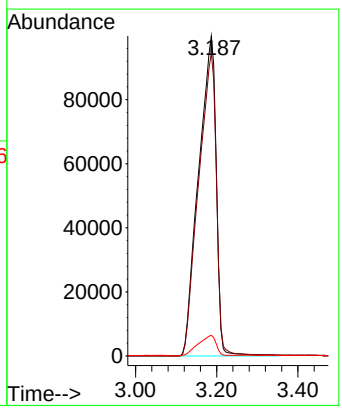


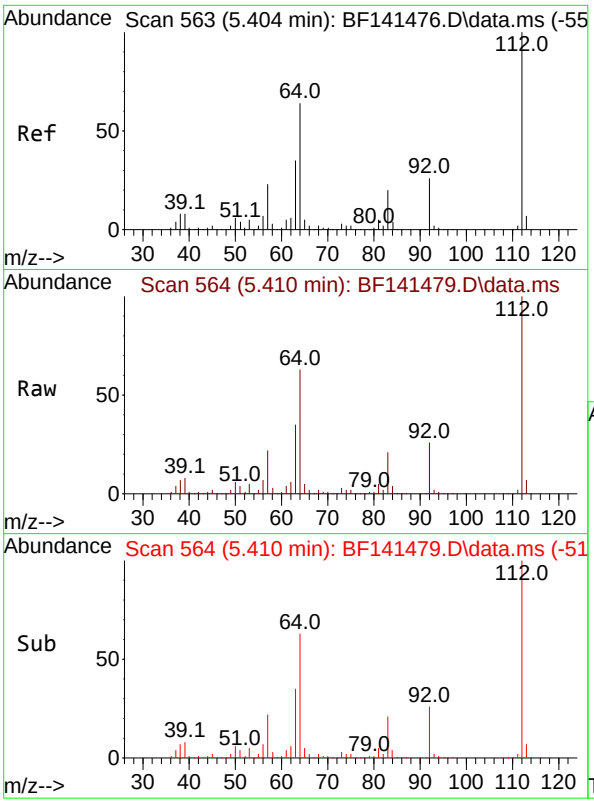


#4
n-Nitrosodimethylamine
Concen: 82.409 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 42 Resp: 301403

Ion	Ratio	Lower	Upper
42	100		
74	94.7	78.0	117.0
44	6.4	5.4	8.2



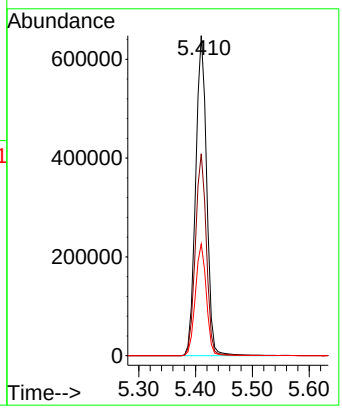


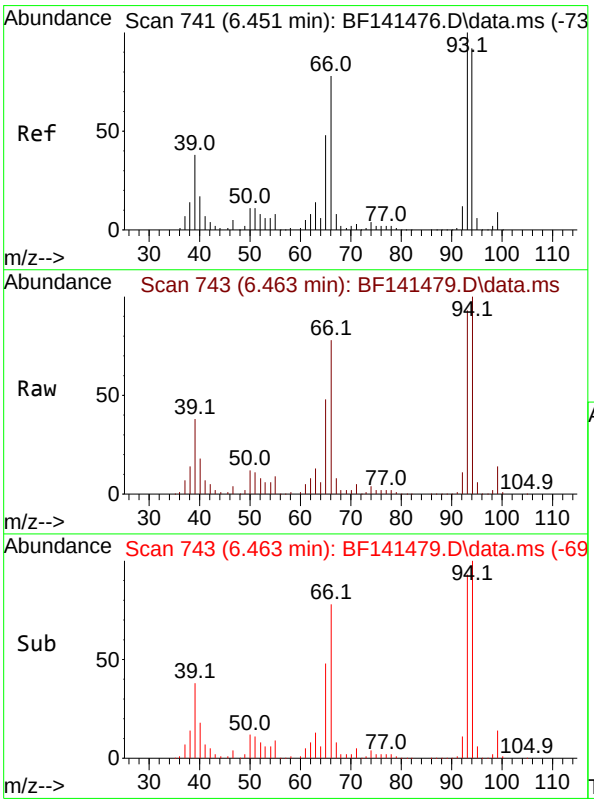
#5
2-Fluorophenol
Concen: 152.272 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 878184

Ion	Ratio	Lower	Upper
112	100		
64	63.1	51.1	76.7
63	34.9	28.4	42.6

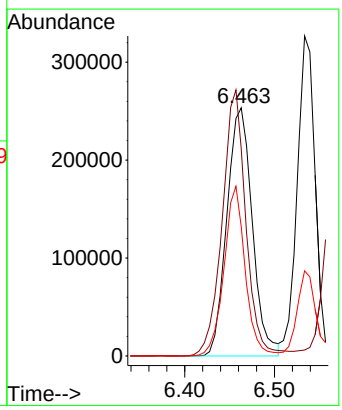


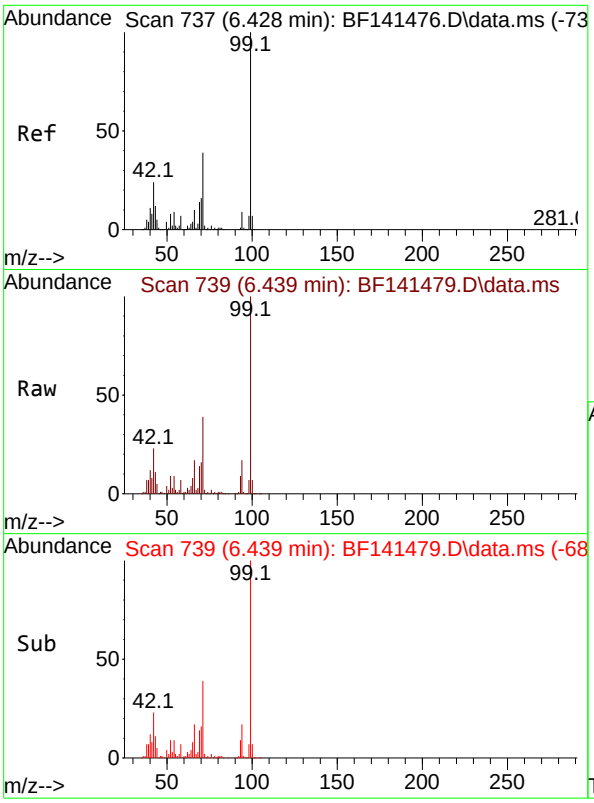


#6
Aniline
Concen: 72.913 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 498556

Ion	Ratio	Lower	Upper
93	100		
66	83.5	62.6	94.0
65	52.1	38.3	57.5



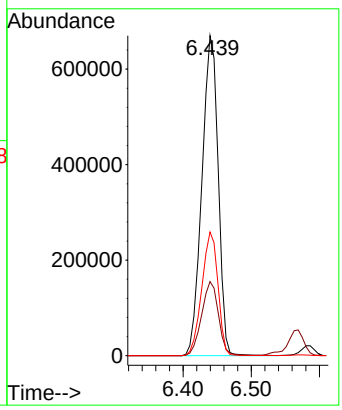


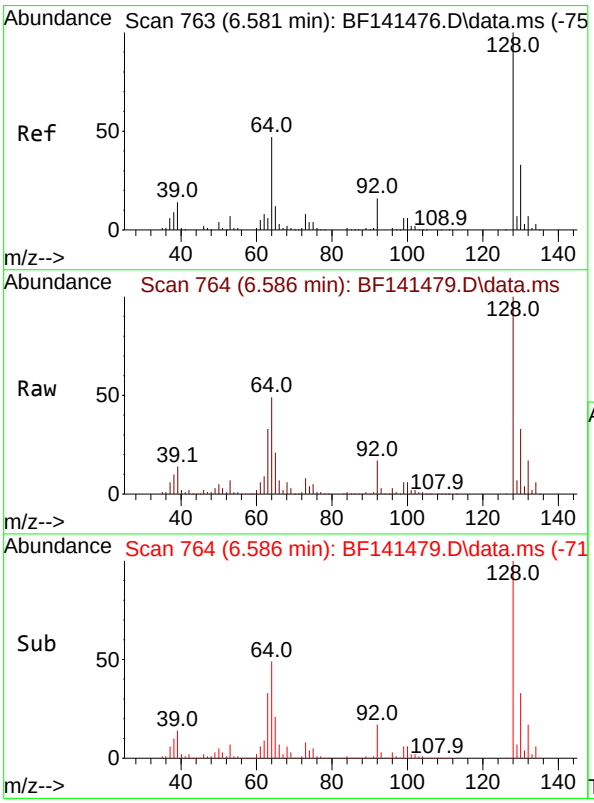
#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1112281

Ion	Ratio	Lower	Upper
99	100		
42	23.2	19.1	28.7
71	38.7	31.1	46.7

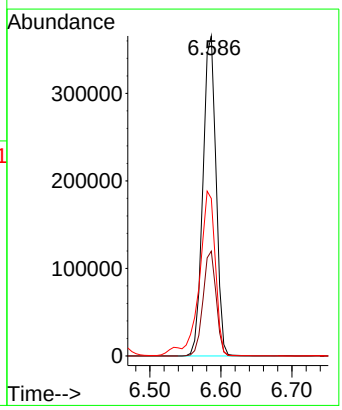


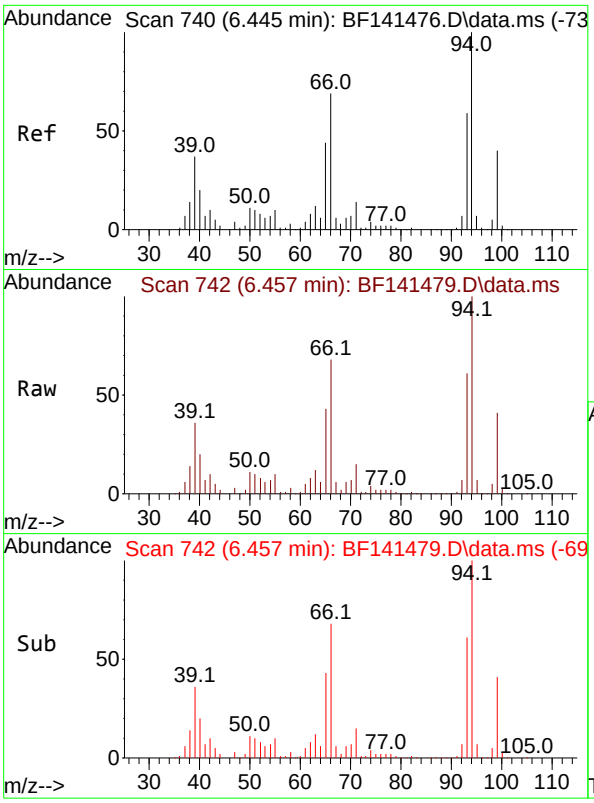


#8
2-Chlorophenol
Concen: 75.577 ng
RT: 6.586 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 470975

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	49.2	28.3	68.3



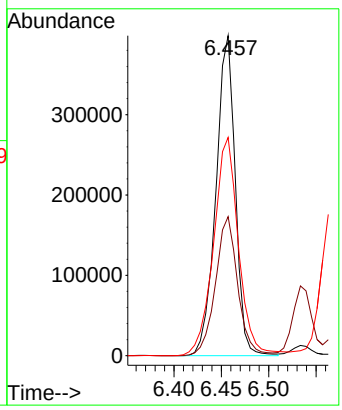


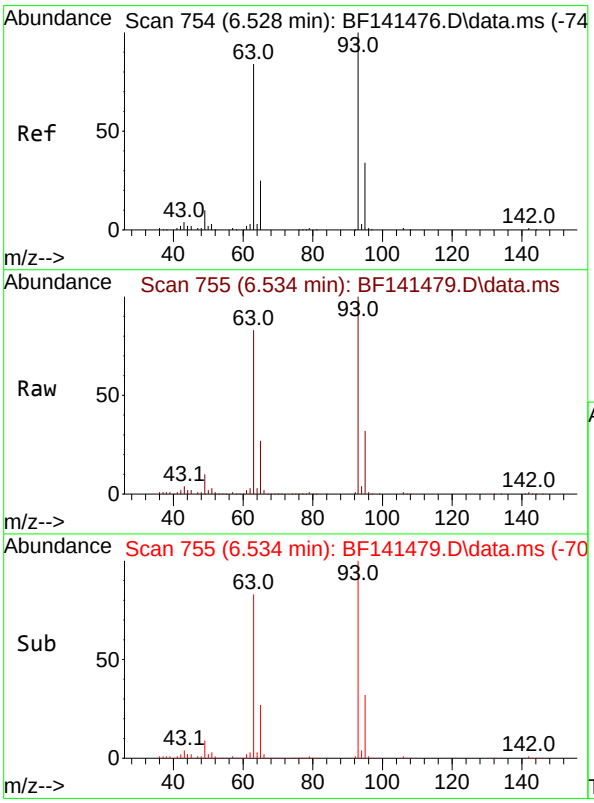
#10
Phenol
Concen: 74.779 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 567332

Ion	Ratio	Lower	Upper
94	100		
65	43.5	23.7	63.7
66	68.2	49.3	89.3

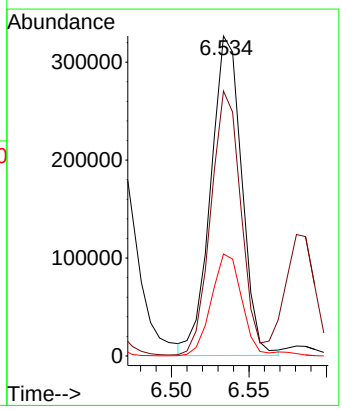


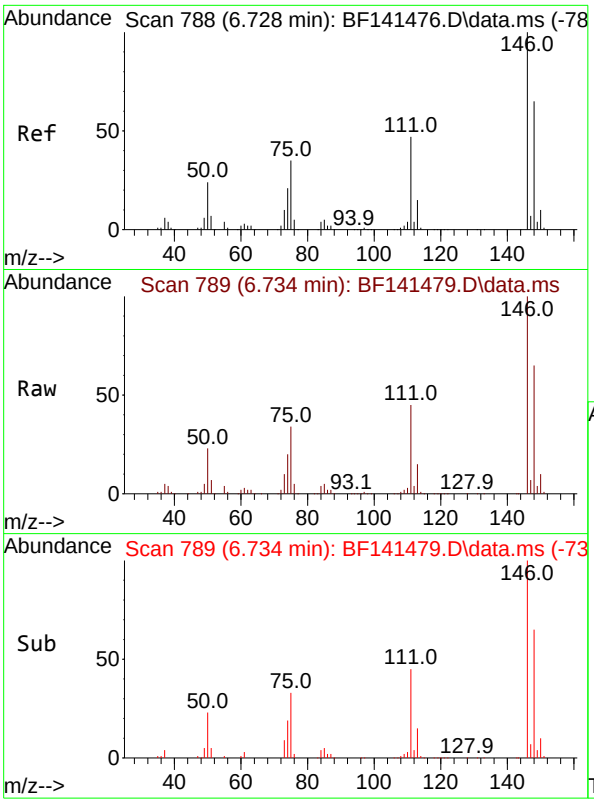


#11
bis(2-Chloroethyl)ether
Concen: 79.695 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 454141

Ion	Ratio	Lower	Upper
93	100		
63	82.8	62.0	102.0
95	31.9	12.6	52.6



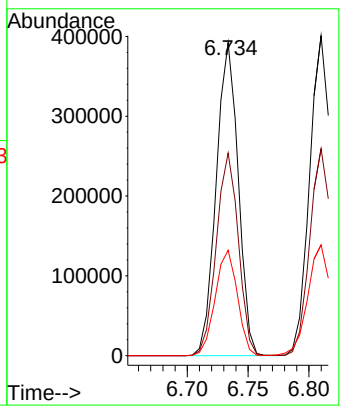


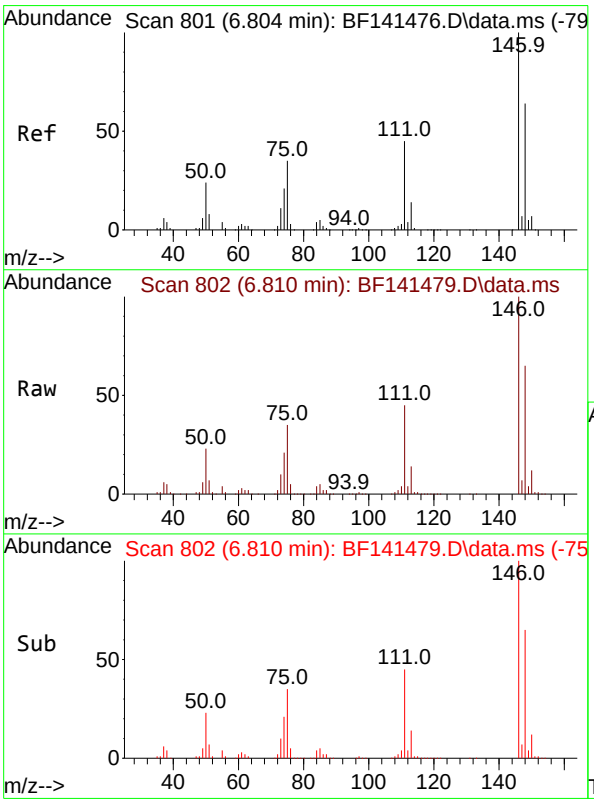
#12
1,3-Dichlorobenzene
Concen: 75.115 ng
RT: 6.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 494180

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.9	77.9
75	33.7	28.2	42.2

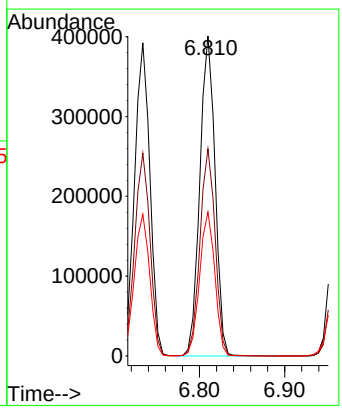


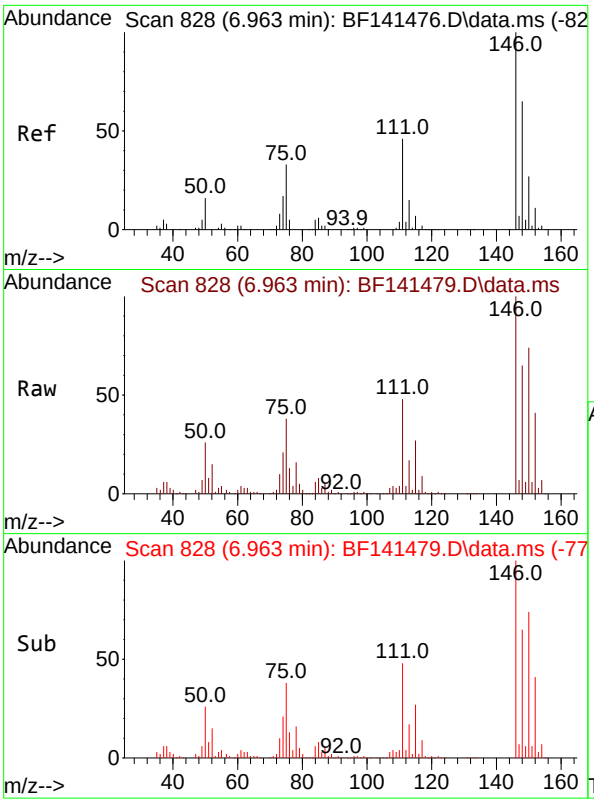


#13
1,4-Dichlorobenzene
Concen: 74.175 ng
RT: 6.810 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:146 Resp: 498585

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.9	76.3
111	44.9	35.9	53.9



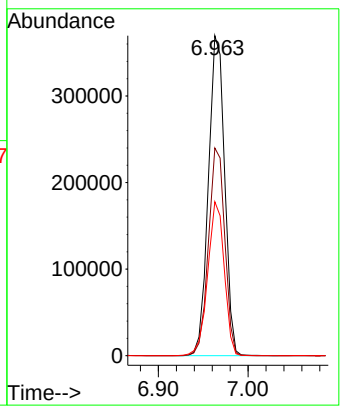


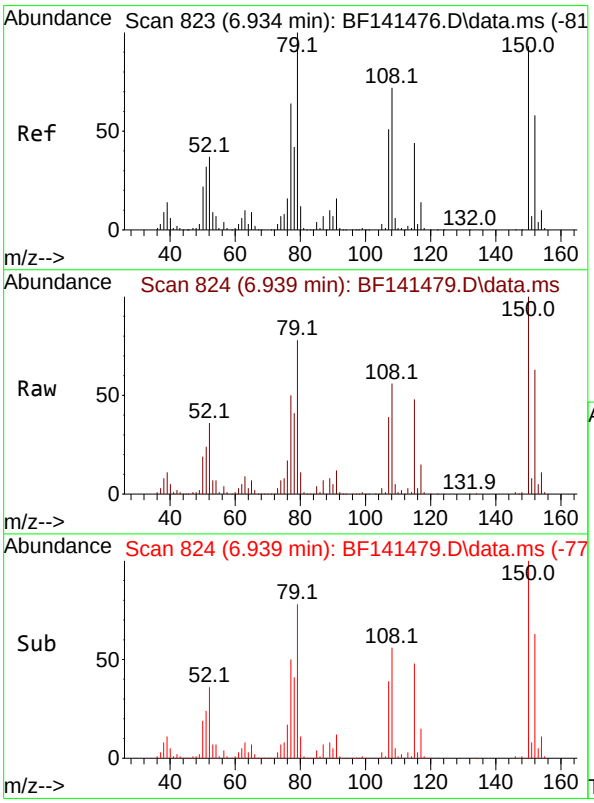
#14
1,2-Dichlorobenzene
Concen: 74.465 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 464559

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
111	48.1	37.0	55.4

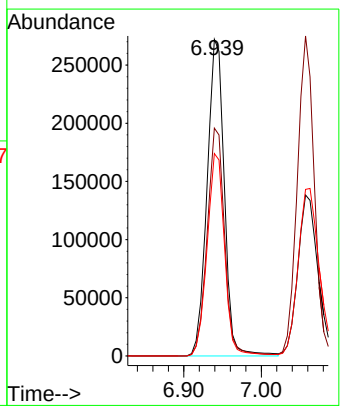


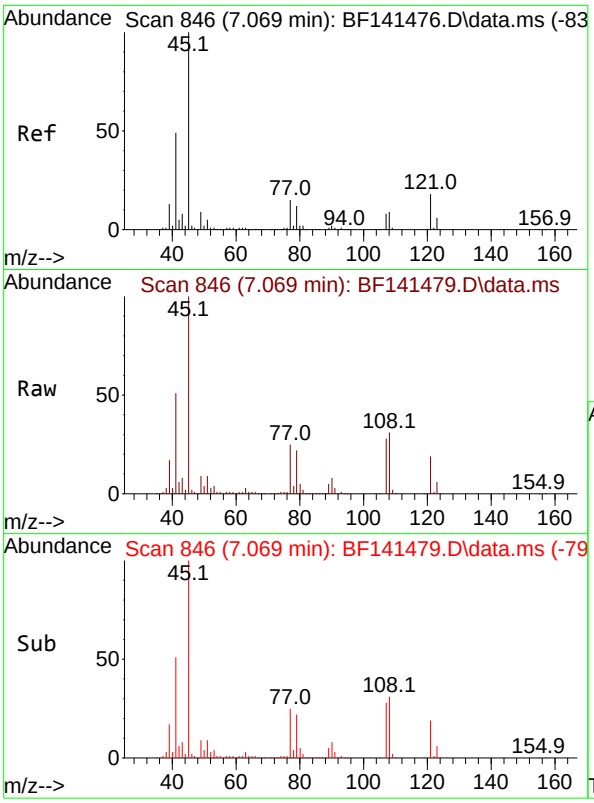


#15
Benzyl Alcohol
Concen: 75.258 ng
RT: 6.939 min Scan# 824
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 79 Resp: 420673

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.4	86.2
77	64.0	50.9	76.3



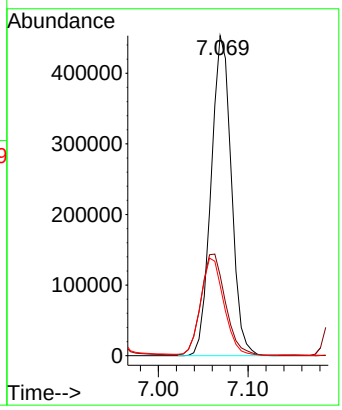


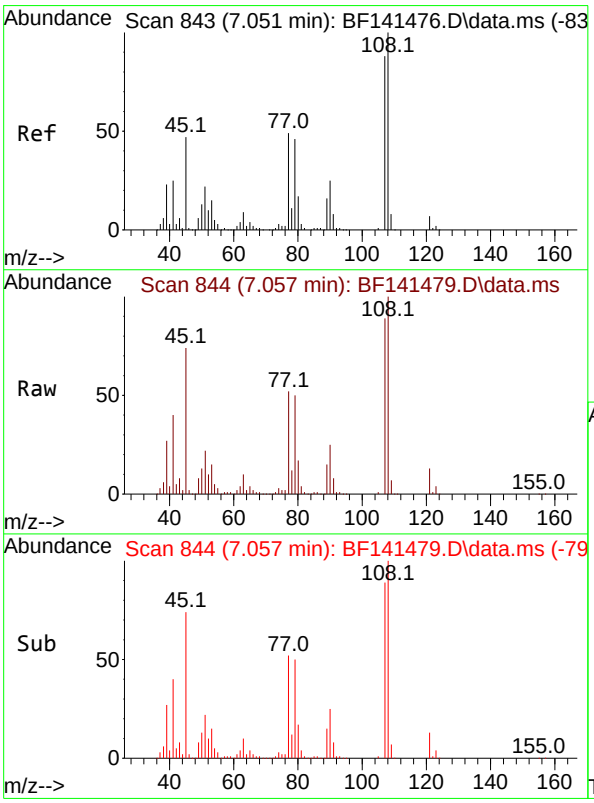
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.613 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 708318

Ion	Ratio	Lower	Upper
45	100		
77	25.1	0.0	35.8
79	22.0	0.0	32.7

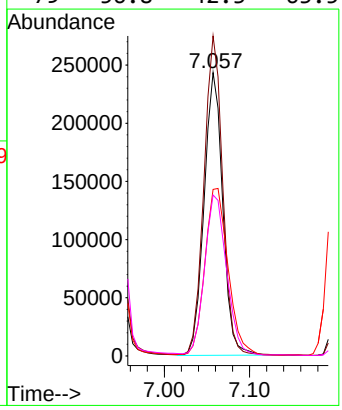


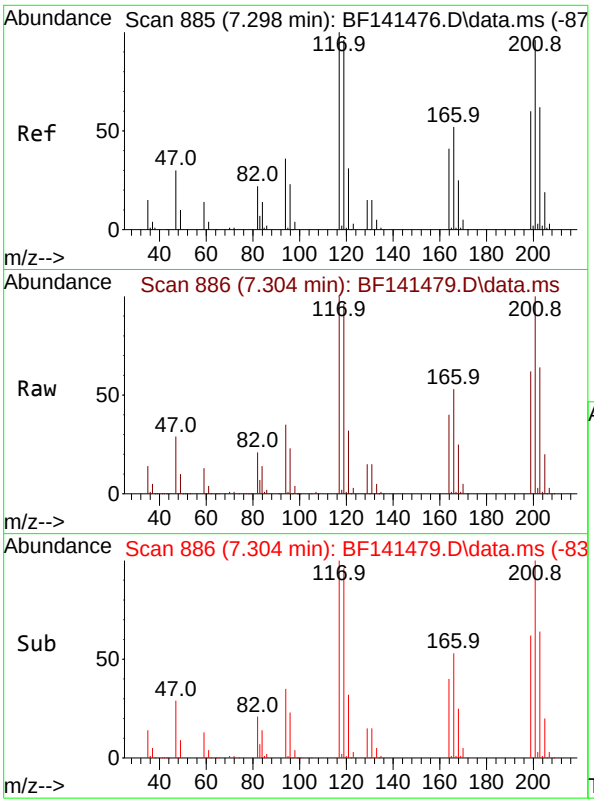


#17
2-Methylphenol
Concen: 75.912 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:107 Resp: 370173

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.6	136.0
77	58.7	44.4	66.6
79	56.8	42.3	63.5



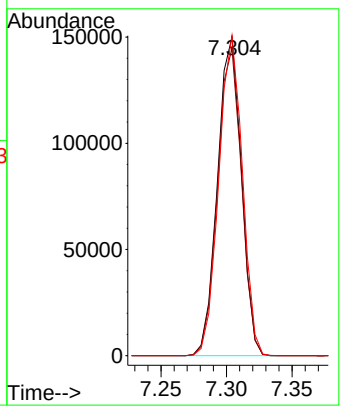


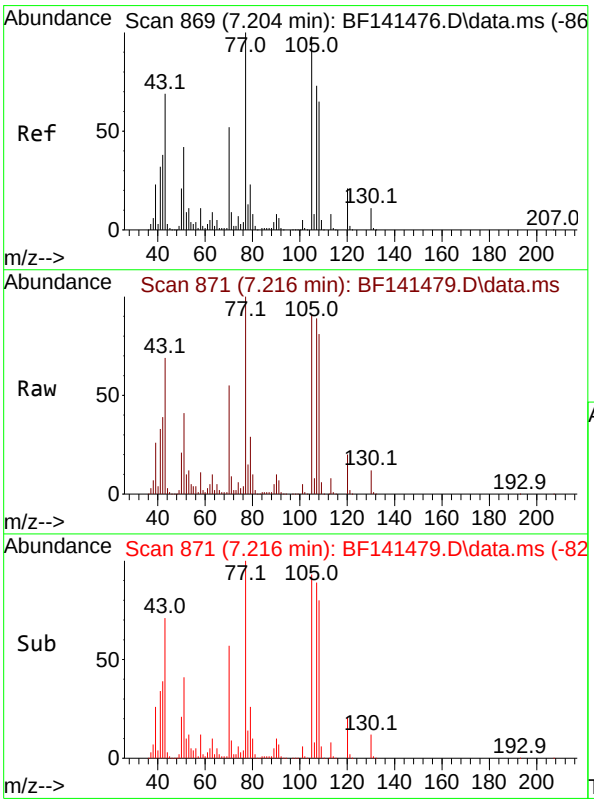
#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 190062

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.5	114.7
201	100.5	76.7	115.1

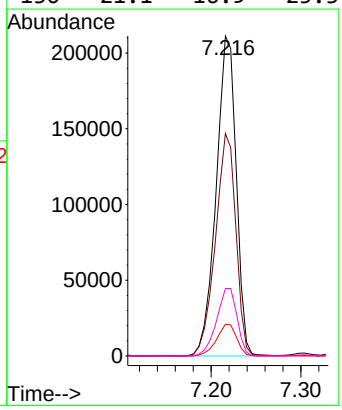


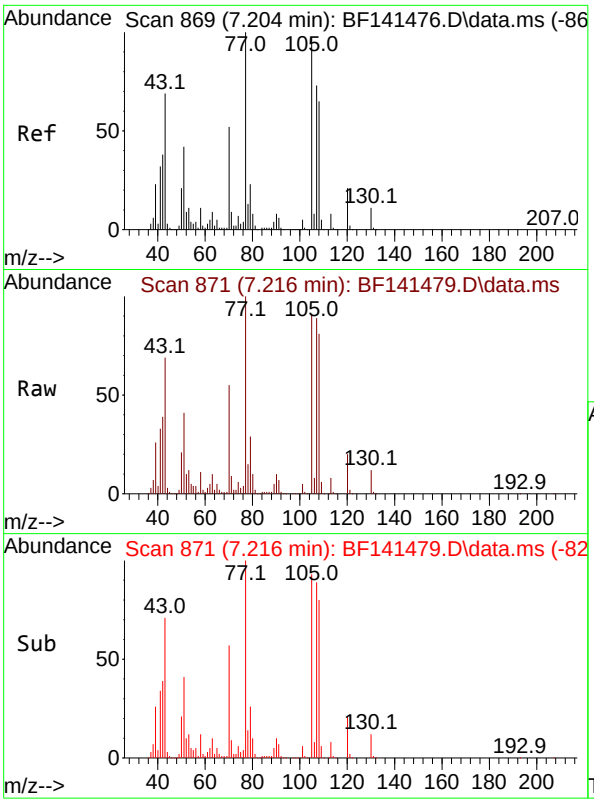


#19
n-Nitroso-di-n-propylamine
Concen: 75.249 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 70 Resp: 328097

Ion	Ratio	Lower	Upper
70	100		
42	69.5	57.4	86.2
101	9.9	8.0	12.0
130	21.1	16.9	25.3



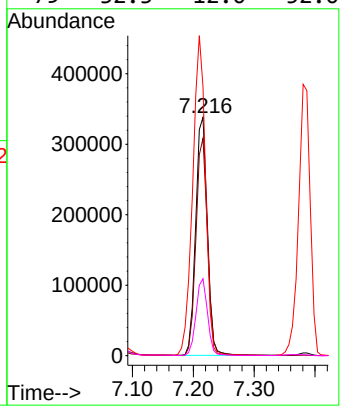


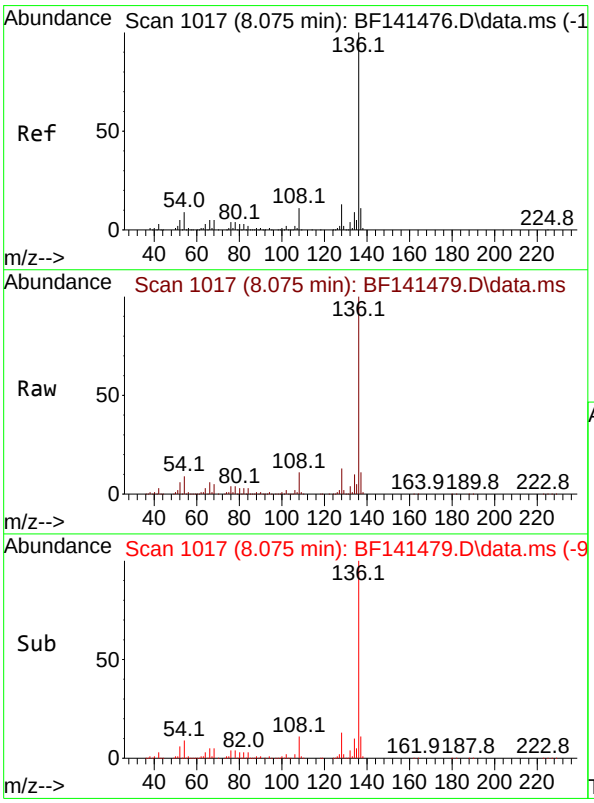
#20
3+4-Methylphenols
Concen: 72.613 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 450046

Ion	Ratio	Lower	Upper
107	100		
108	91.3	68.5	108.5
77	112.8	116.5	156.5#
79	32.3	12.0	52.0

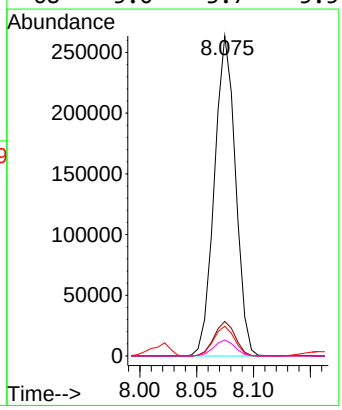


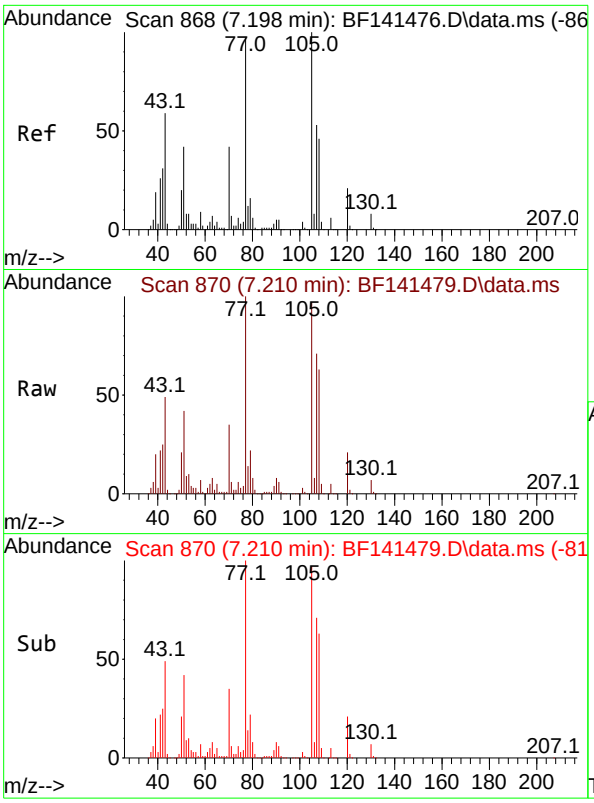


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:136 Resp: 341252

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.3	7.2	10.8
68	5.0	3.7	5.5



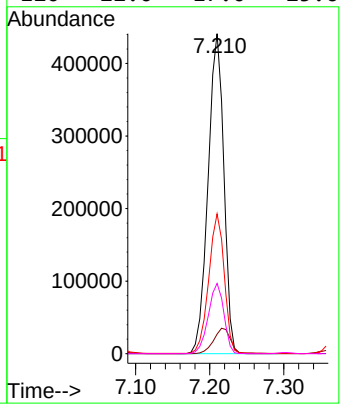


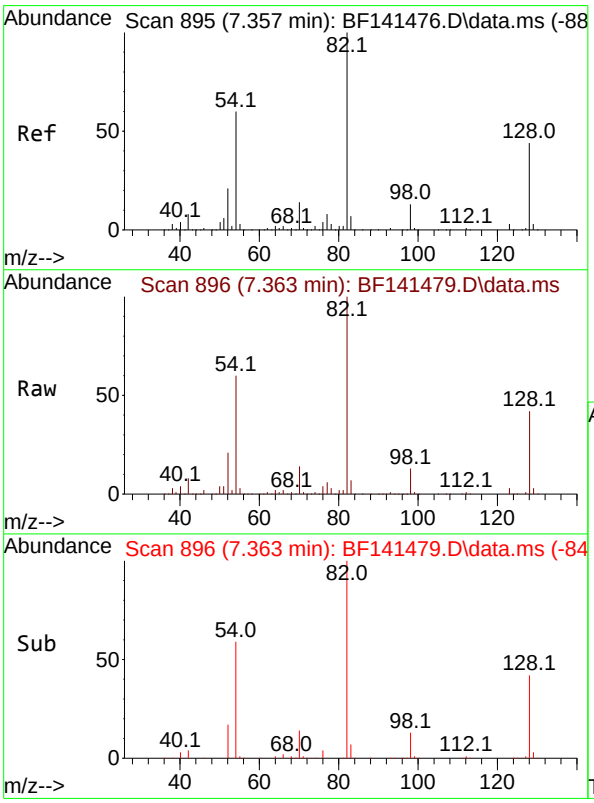
#22
Acetophenone
Concen: 76.846 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 652334

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.7	8.5
51	43.7	33.7	50.5
120	22.0	17.0	25.6

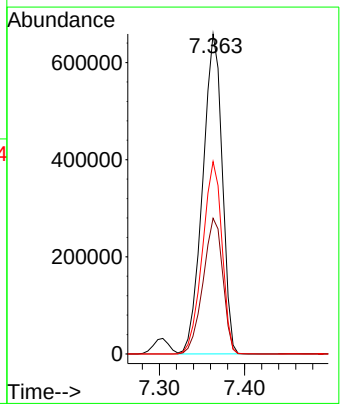


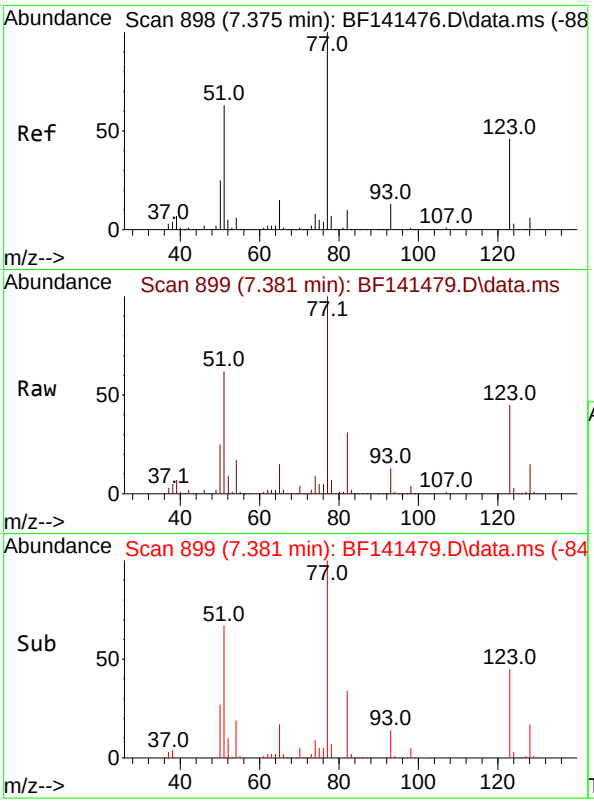


#23
Nitrobenzene-d5
Concen: 160.228 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 1048314

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	60.1	48.2	72.4



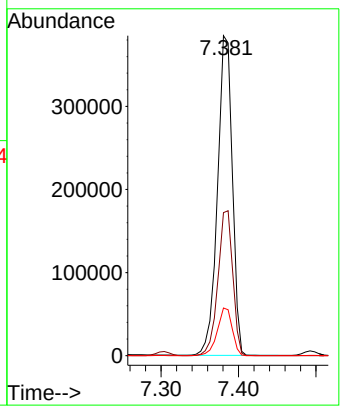


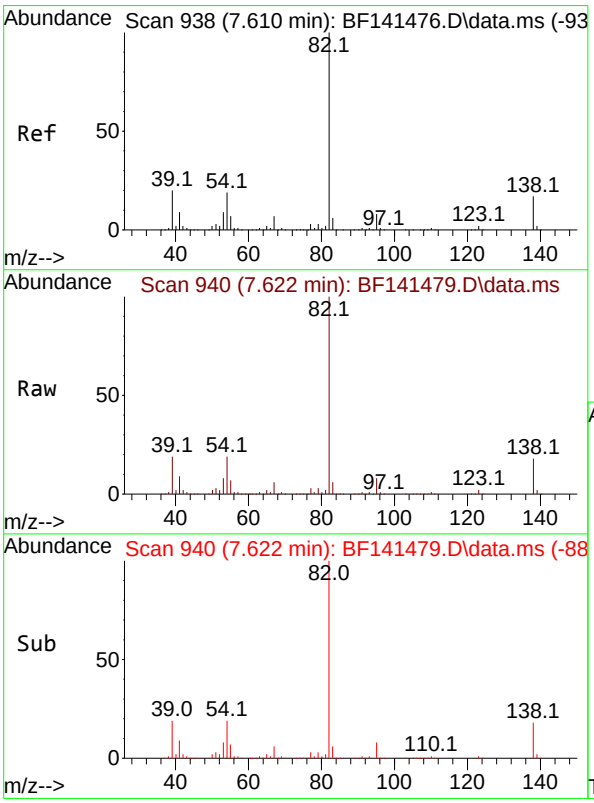
#24
Nitrobenzene
Concen: 80.448 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 513249

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.9	55.3
65	14.9	11.9	17.9

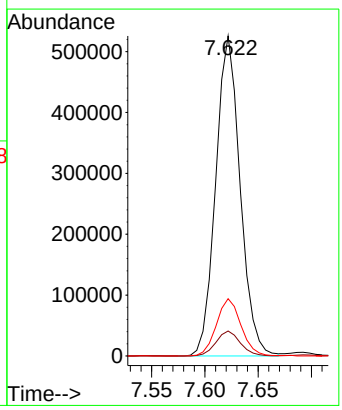


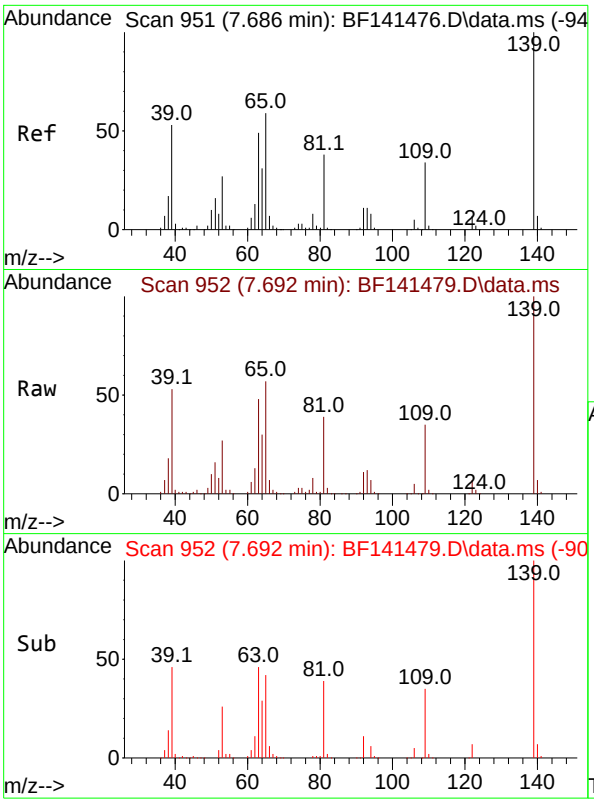


#25
Isophorone
Concen: 80.337 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 838076

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.9	13.9	20.9



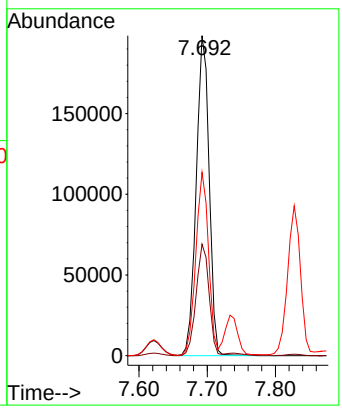


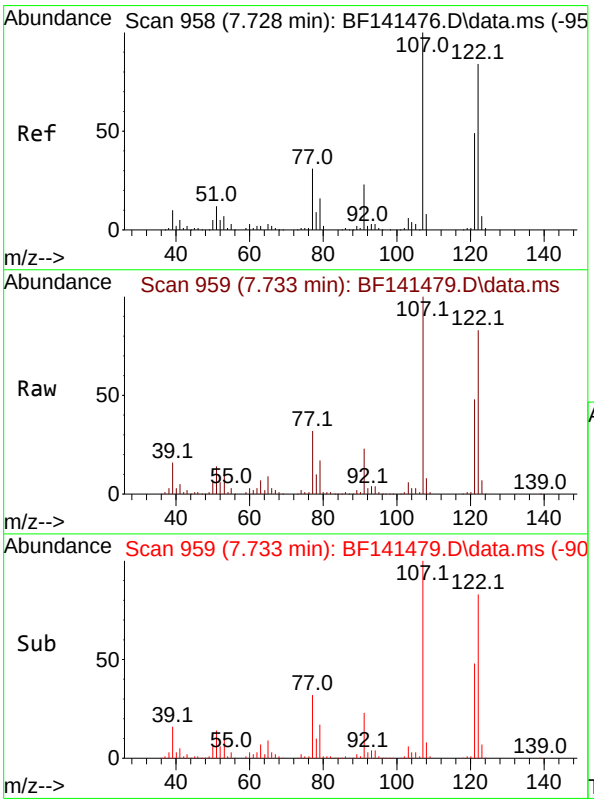
#26
2-Nitrophenol
Concen: 82.350 ng
RT: 7.692 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 261386

Ion	Ratio	Lower	Upper
139	100		
109	34.9	27.0	40.6
65	57.3	47.1	70.7

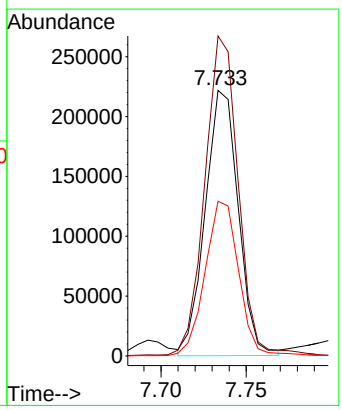


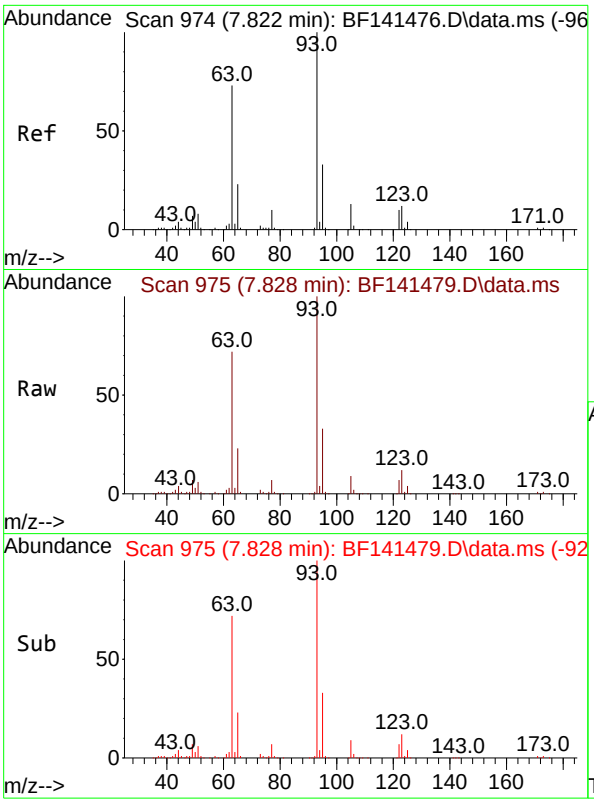


#27
2,4-Dimethylphenol
Concen: 80.915 ng
RT: 7.733 min Scan# 959
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:122 Resp: 300036

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.3	141.5
121	58.3	46.0	69.0



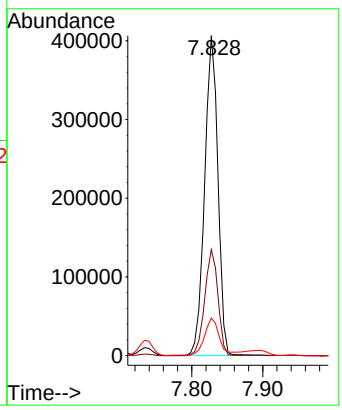


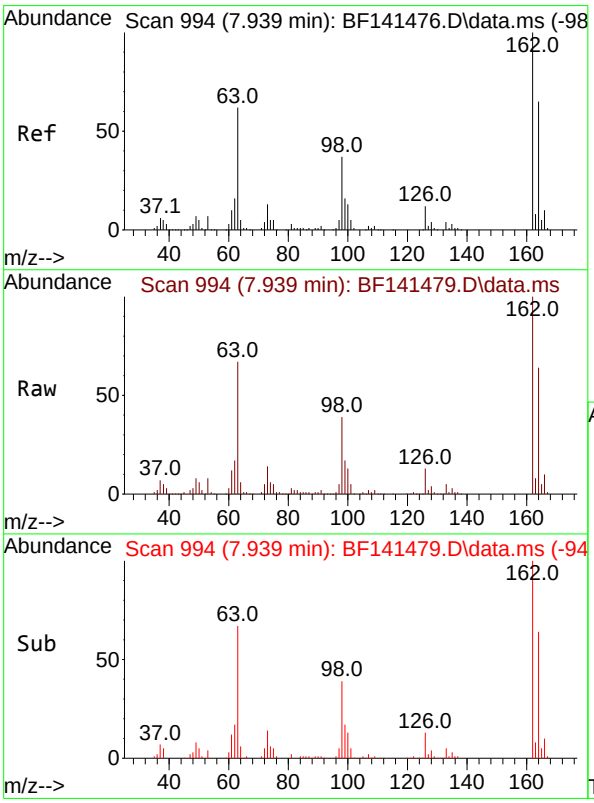
#28
bis(2-Chloroethoxy)methane
Concen: 79.203 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 529442

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.1	39.1
123	11.8	9.5	14.3

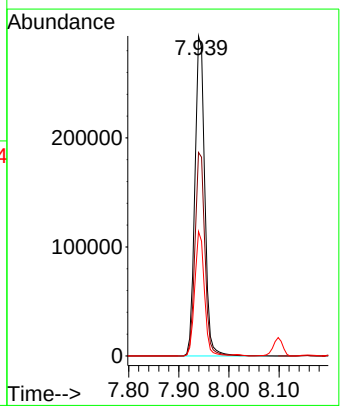


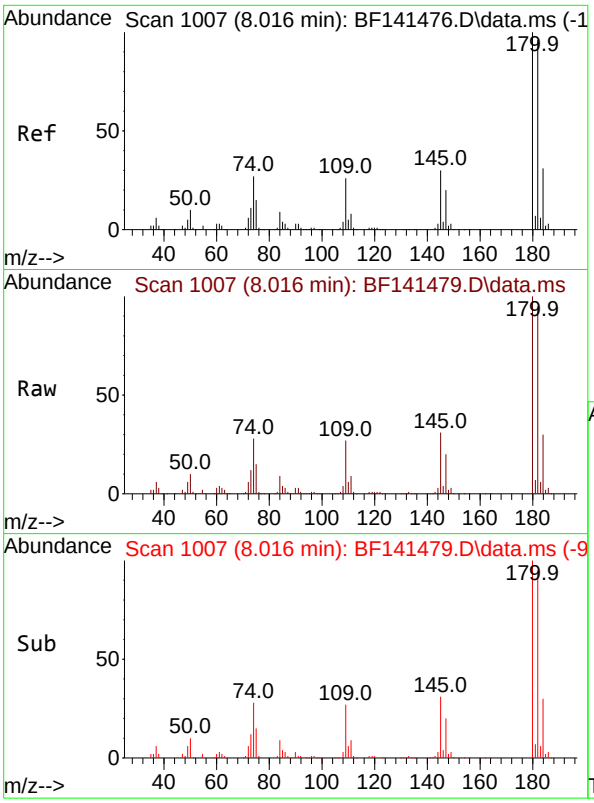


#29
2,4-Dichlorophenol
Concen: 79.645 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:162 Resp: 399027

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.6	84.6
98	38.9	17.2	57.2



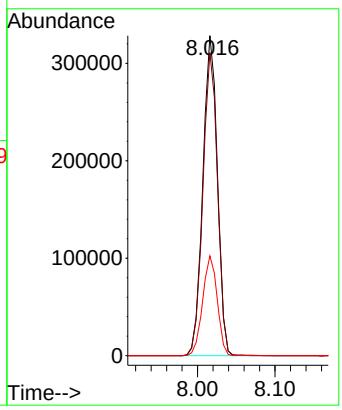


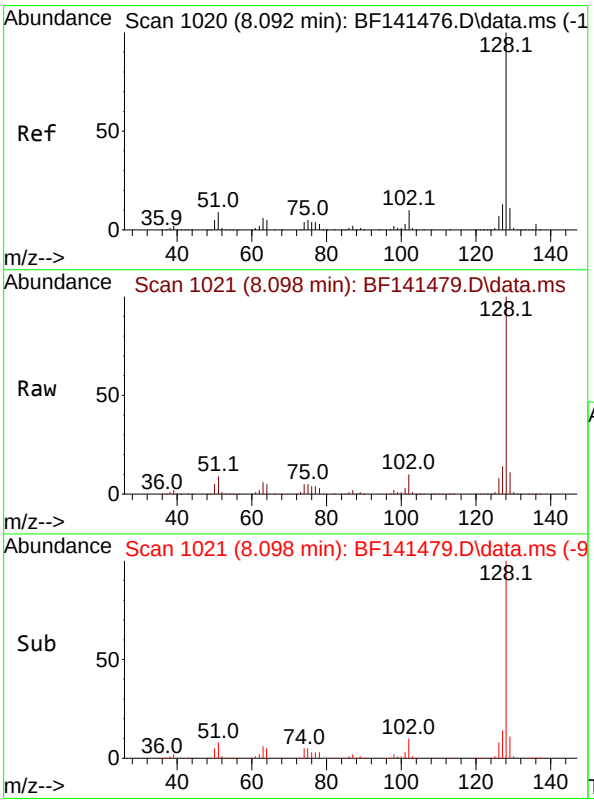
#30
1,2,4-Trichlorobenzene
Concen: 78.568 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 428656

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.8	115.2
145	31.2	24.2	36.4

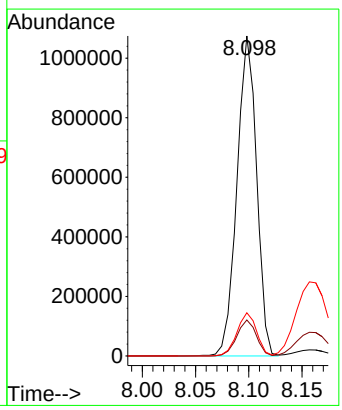


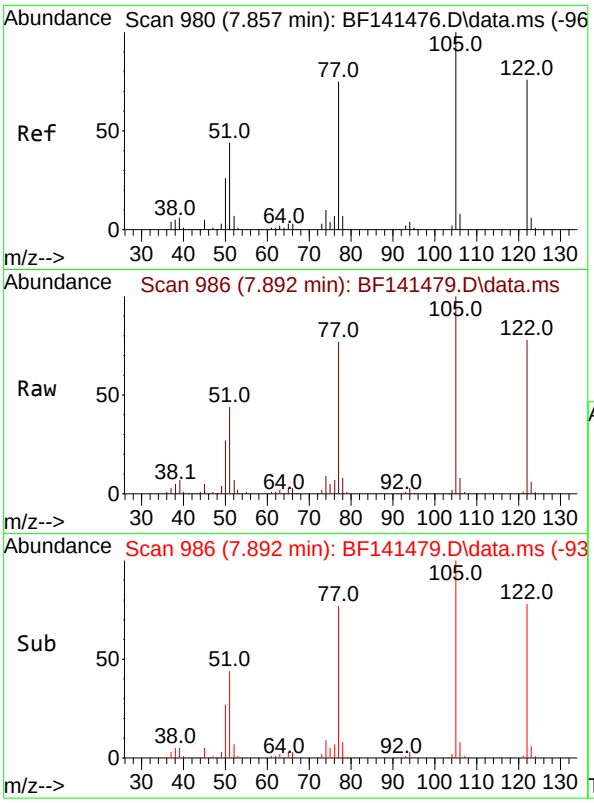


#31
Naphthalene
Concen: 77.769 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 1381453

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.5	10.7	16.1



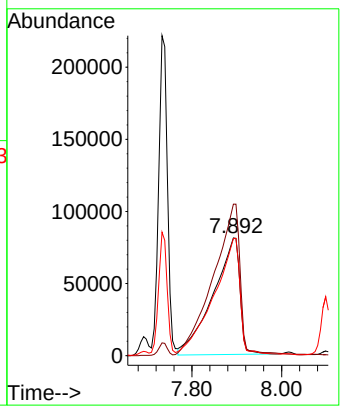


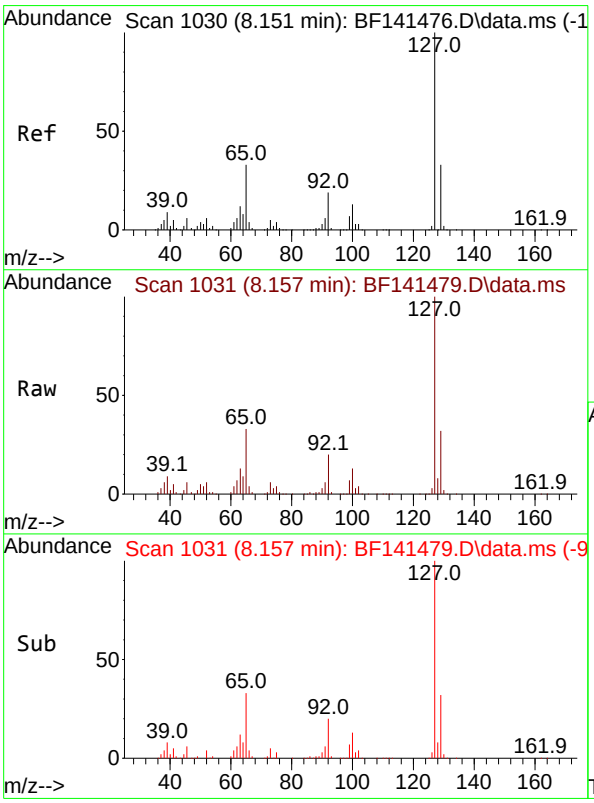
#32
Benzoic acid
Concen: 87.086 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 335418

Ion	Ratio	Lower	Upper
122	100		
105	128.7	106.5	146.5
77	99.4	76.3	116.3

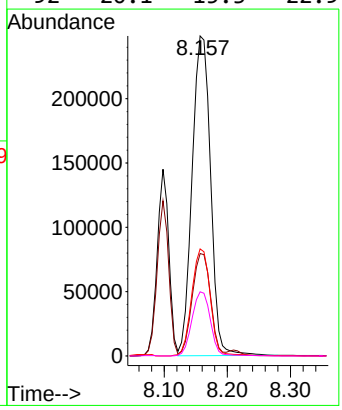


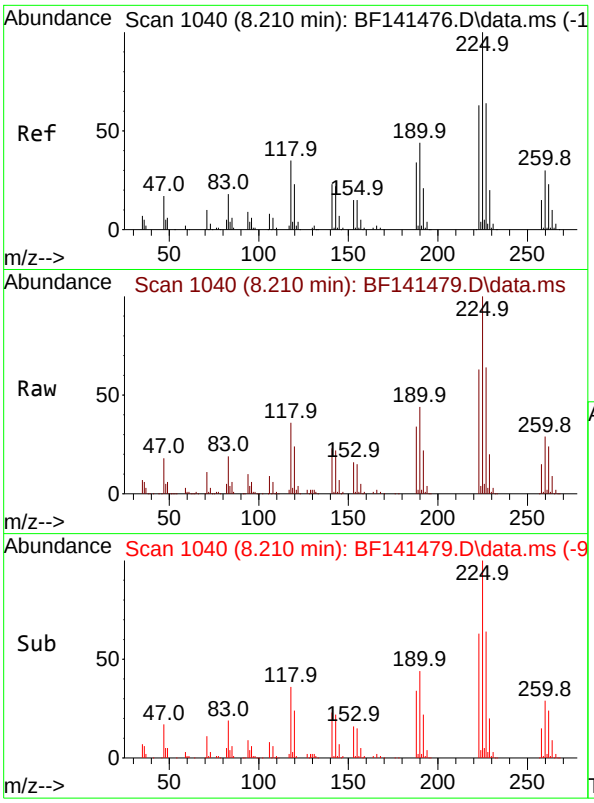


#33
4-Chloroaniline
Concen: 81.400 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:127 Resp: 504834

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.5	39.7
65	33.5	26.4	39.6
92	20.1	15.3	22.9



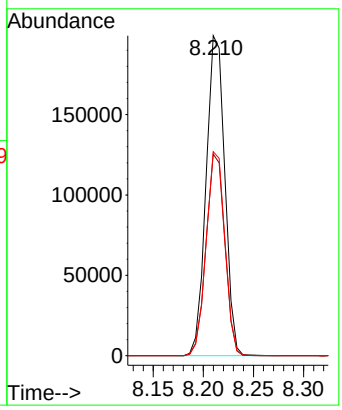


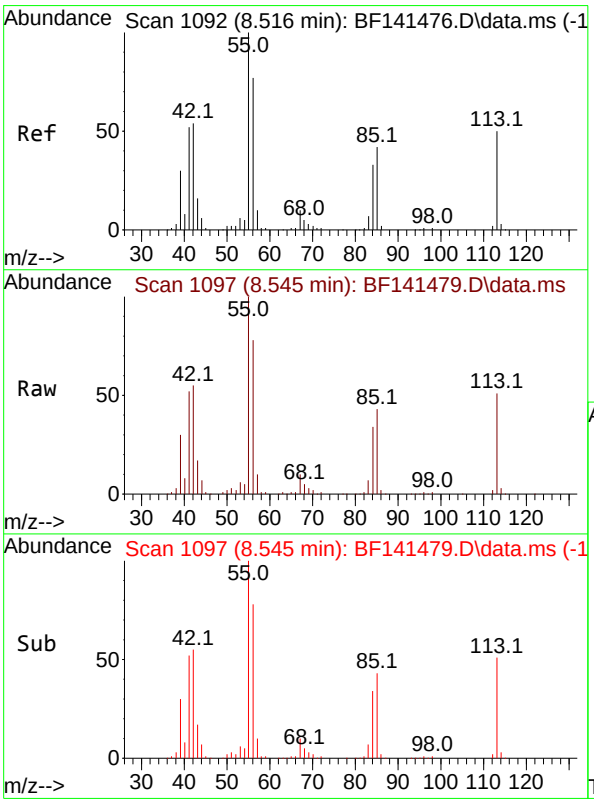
#34
Hexachlorobutadiene
Concen: 78.628 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 257532

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.8	51.0	76.6

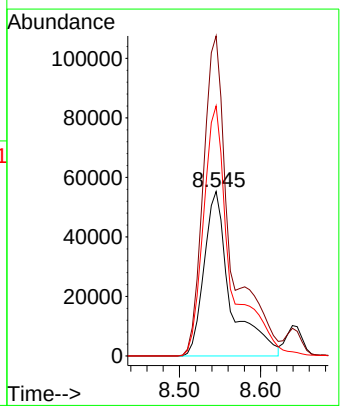


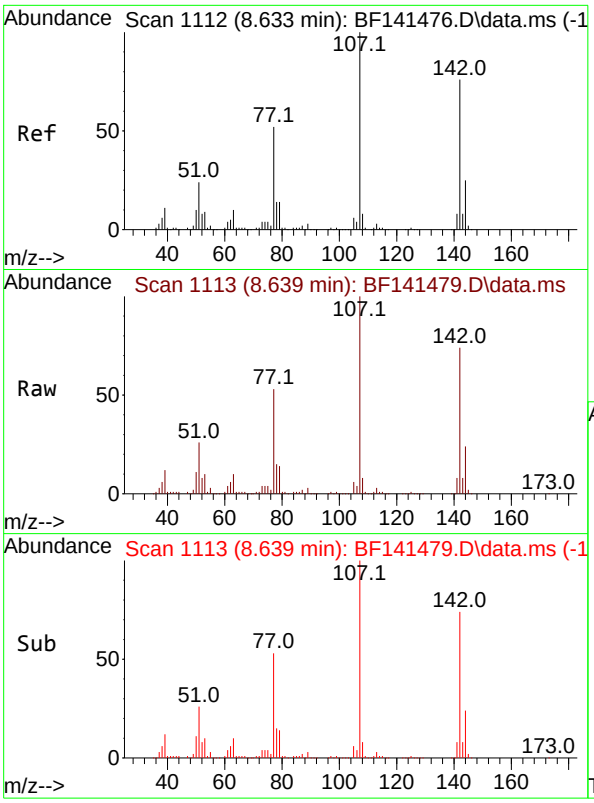


#35
Caprolactam
Concen: 82.350 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:113 Resp: 125619

Ion	Ratio	Lower	Upper
113	100		
55	194.6	180.8	220.8
56	152.1	133.6	173.6



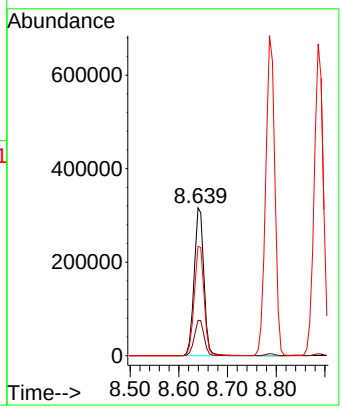


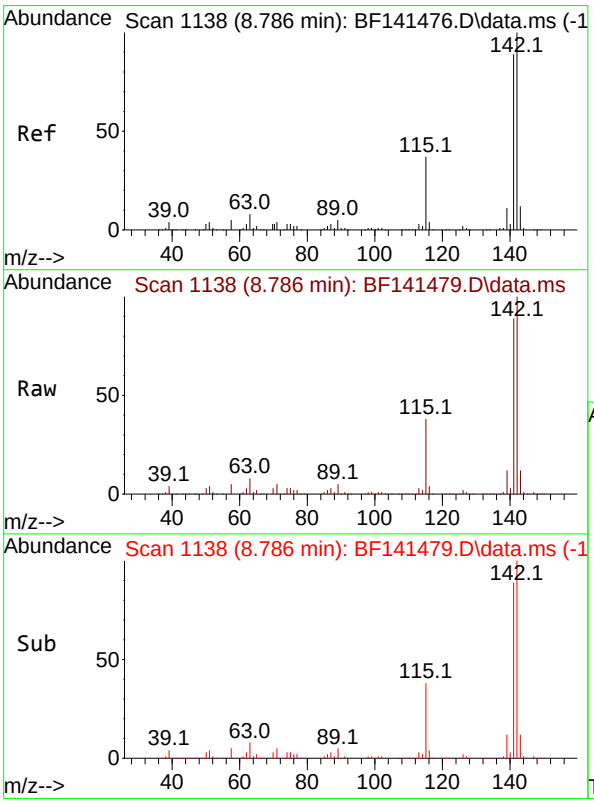
#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 441925

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.7	29.5
142	74.0	60.8	91.2

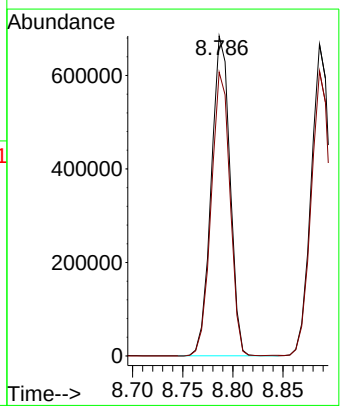


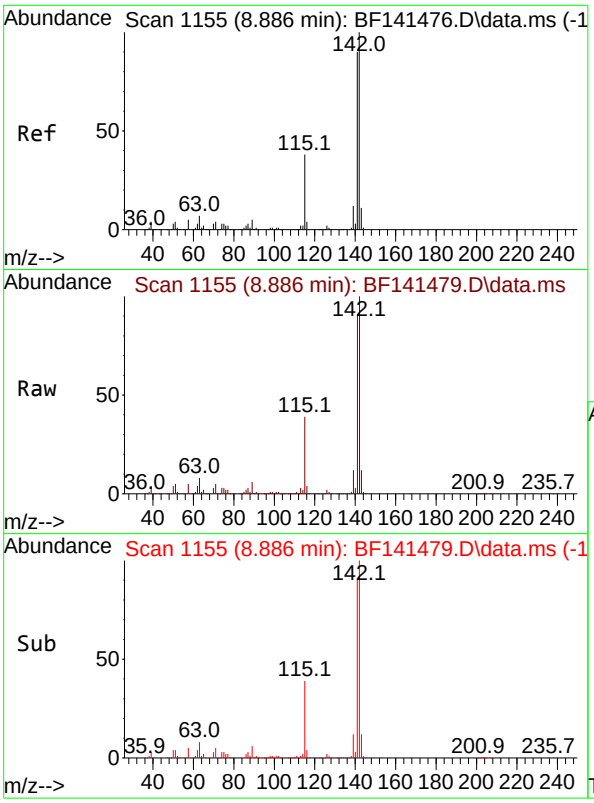


#37
2-Methylnaphthalene
Concen: 76.975 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 889774

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8



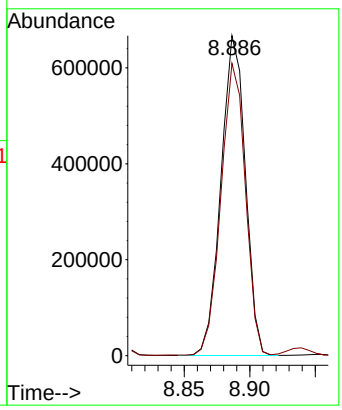


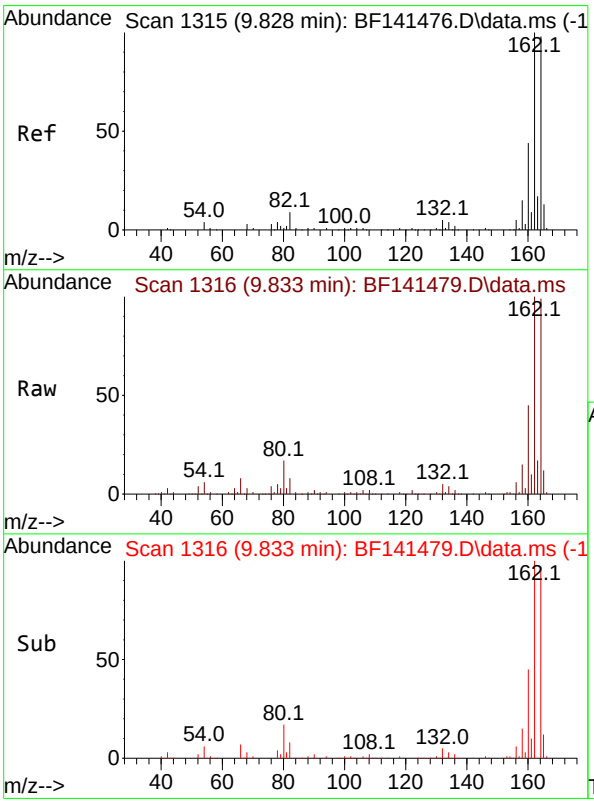
#38
1-Methylnaphthalene
Concen: 76.983 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 861860

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1

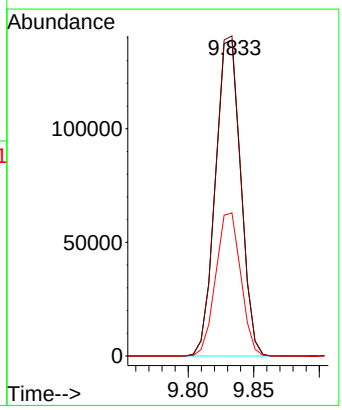


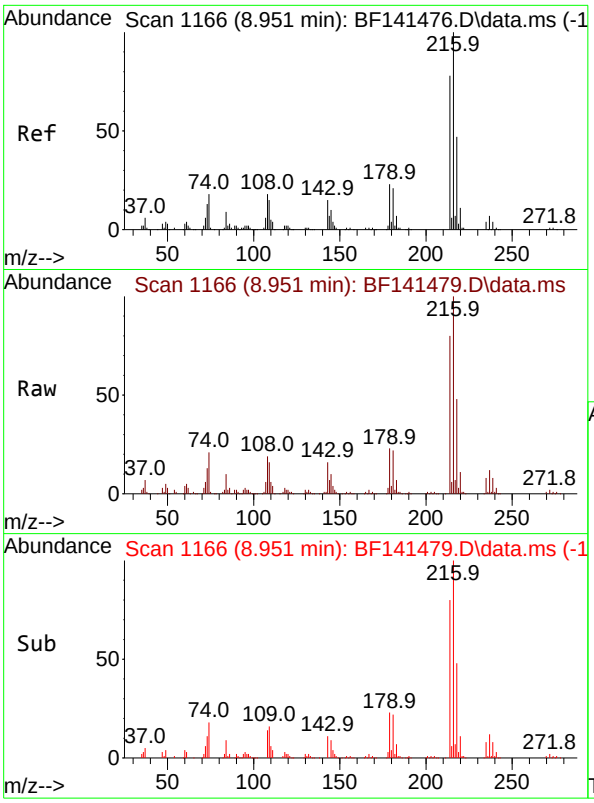


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:164 Resp: 186230

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.3	121.9
160	45.3	35.9	53.9



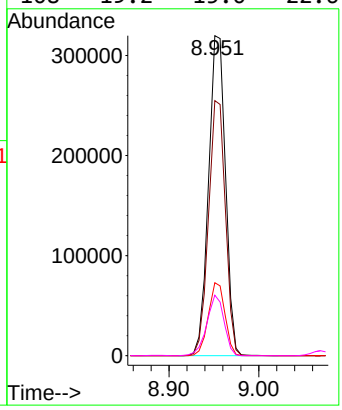


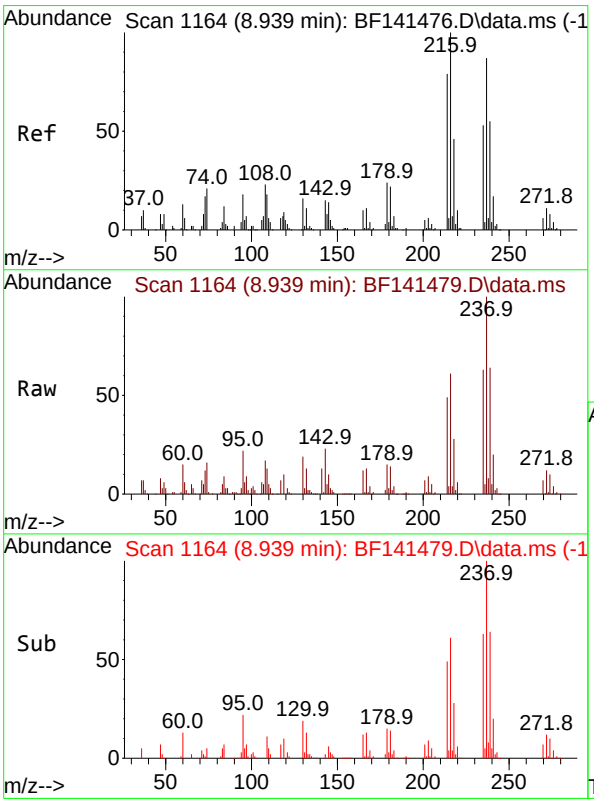
#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.689 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 418579

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.3	93.5
179	22.4	18.0	27.0
108	19.2	15.0	22.6

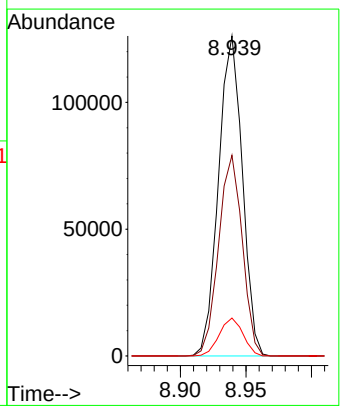


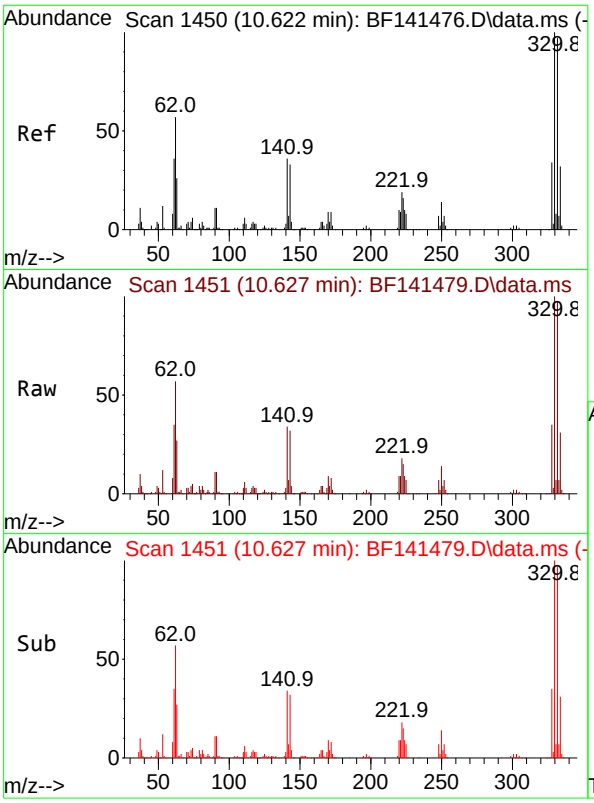


#41
Hexachlorocyclopentadiene
Concen: 88.965 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:237 Resp: 159430

Ion	Ratio	Lower	Upper
237	100		
235	62.7	41.4	81.4
272	11.9	0.0	32.4



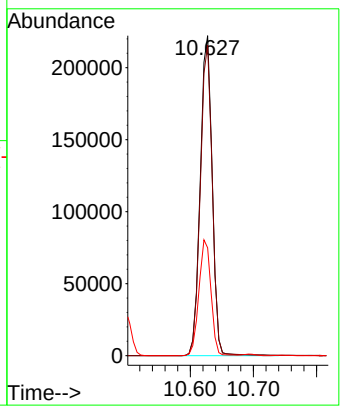


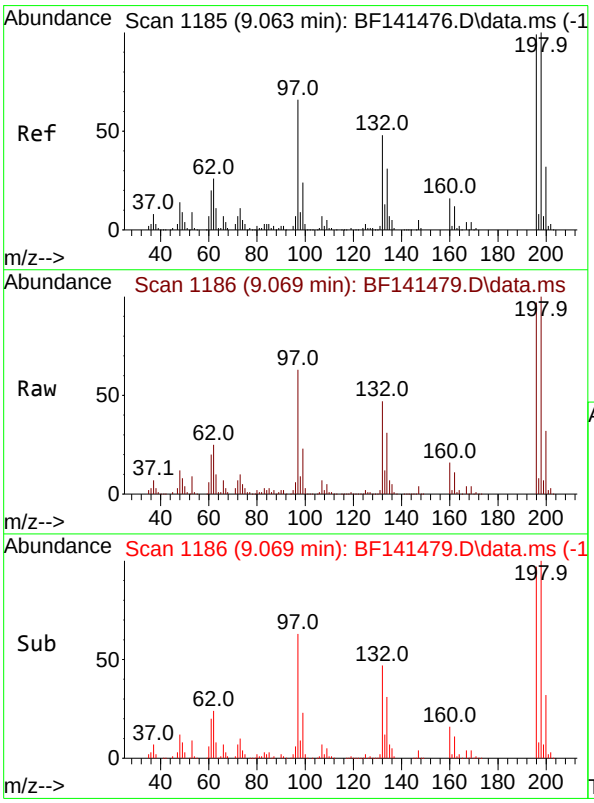
#42
2,4,6-Tribromophenol
Concen: 156.058 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 291947

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.5	117.7
141	36.6	31.0	46.4

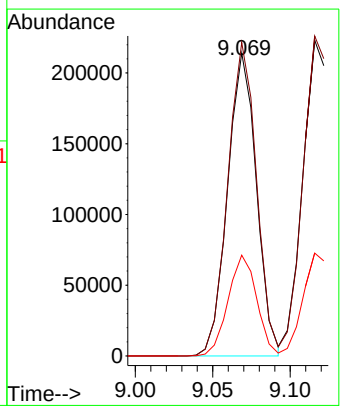


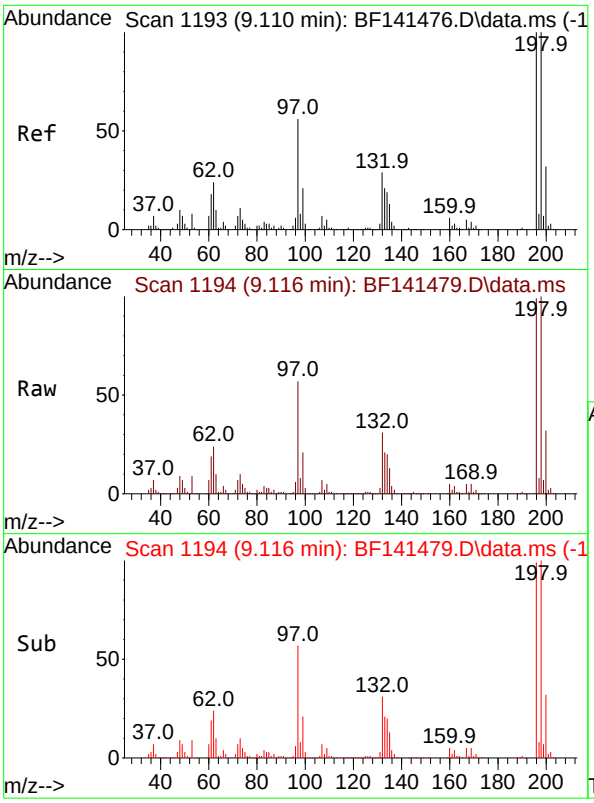


#43
2,4,6-Trichlorophenol
Concen: 79.591 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:196 Resp: 277156

Ion	Ratio	Lower	Upper
196	100		
198	103.5	80.6	121.0
200	33.3	25.5	38.3



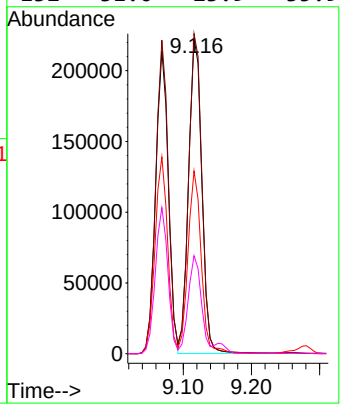


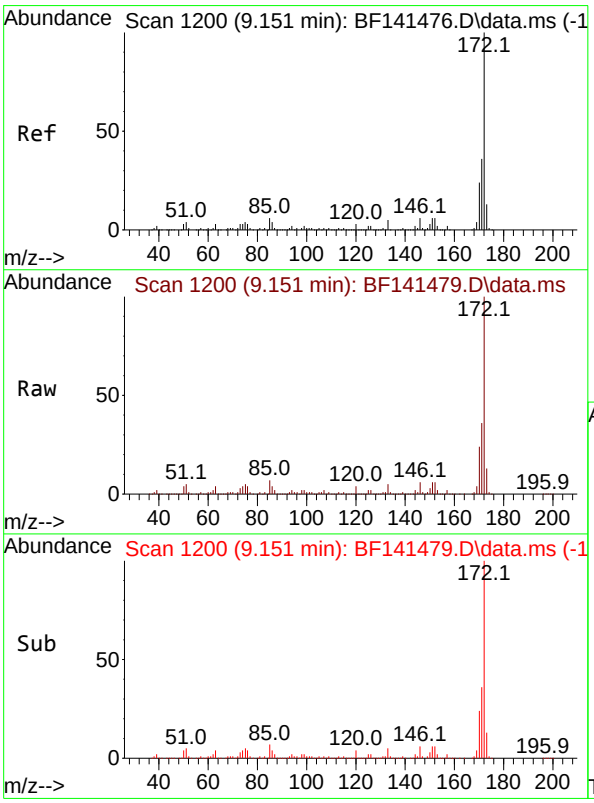
#44
2,4,5-Trichlorophenol
Concen: 79.189 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 298856

Ion	Ratio	Lower	Upper
196	100		
198	101.4	79.8	119.8
97	57.9	44.8	67.2
132	31.0	23.9	35.9

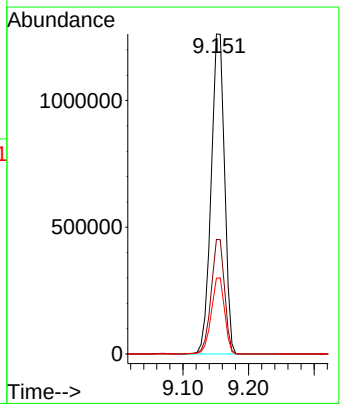


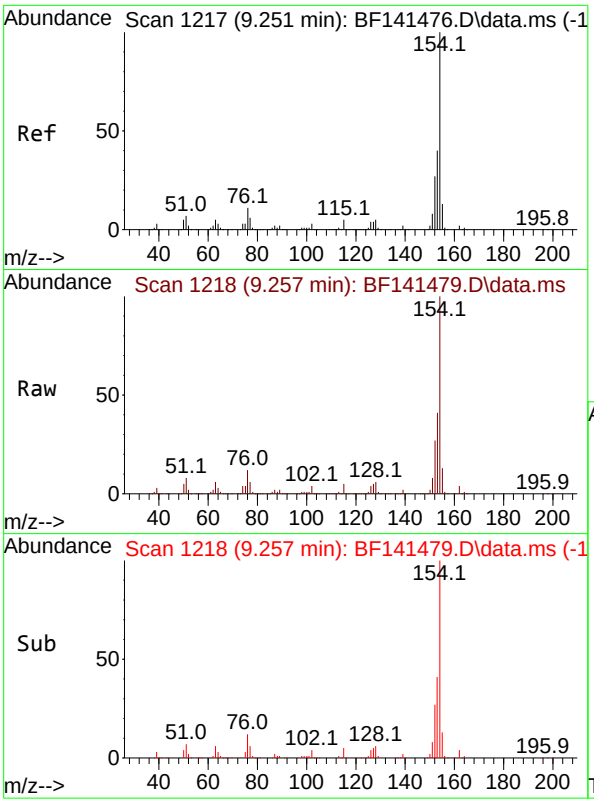


#45
2-Fluorobiphenyl
Concen: 148.066 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:172 Resp: 1789795

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.7	18.9	28.3



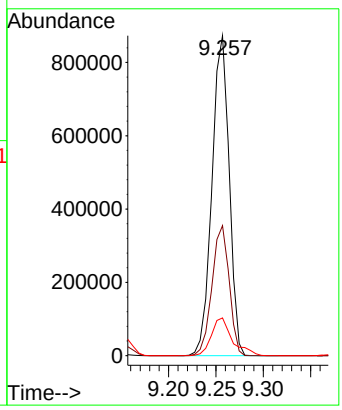


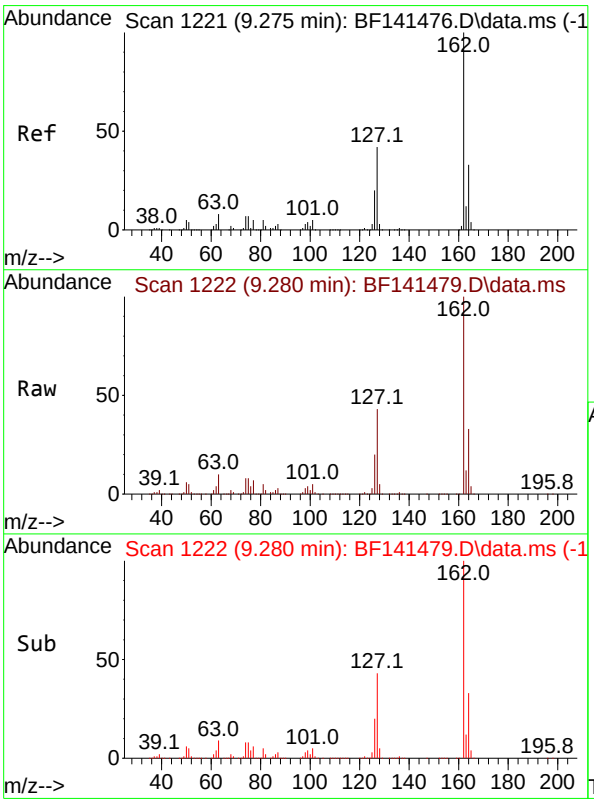
#46
1,1'-Biphenyl
Concen: 76.237 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1100720

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	11.8	0.0	30.8

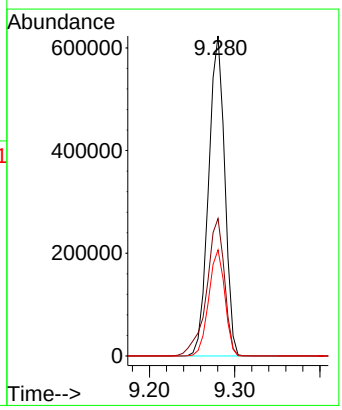


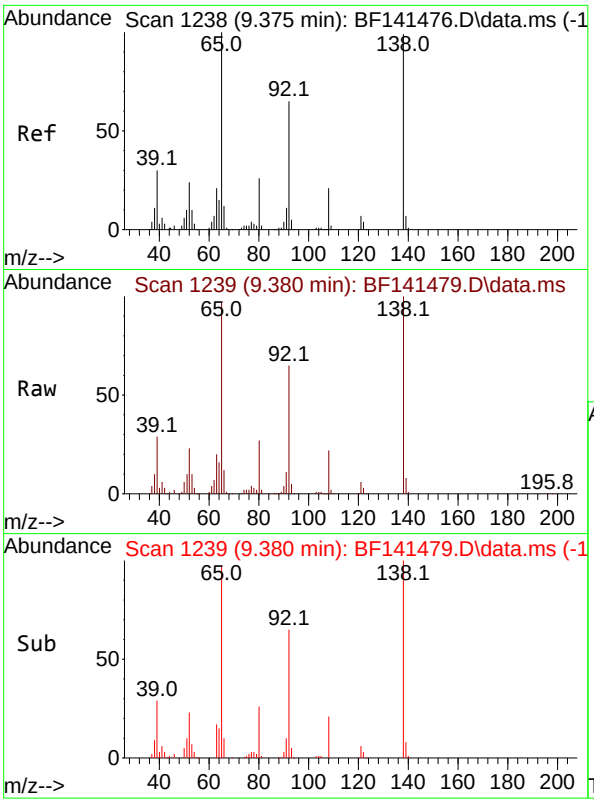


#47
2-Chloronaphthalene
Concen: 76.929 ng
RT: 9.280 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:162 Resp: 821334

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.1	51.1
164	33.2	26.3	39.5



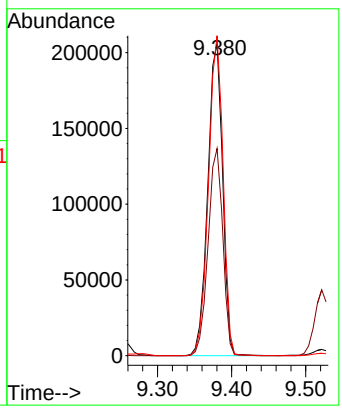


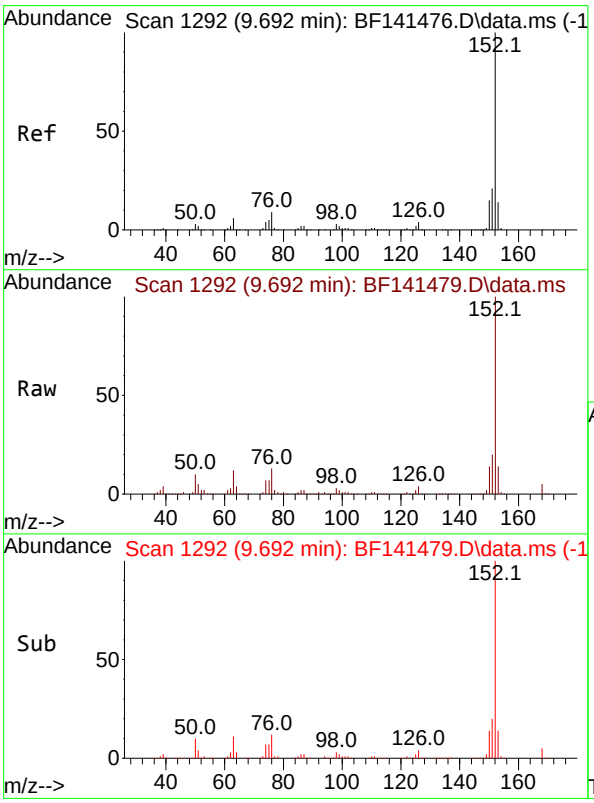
#48
2-Nitroaniline
Concen: 79.969 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 286532

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.2	78.2
138	102.6	79.5	119.3

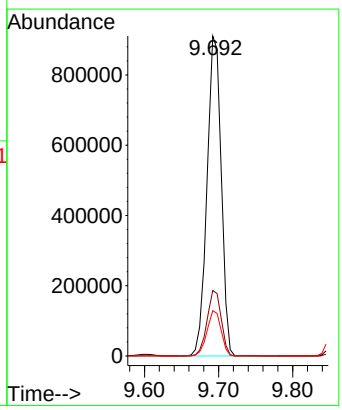


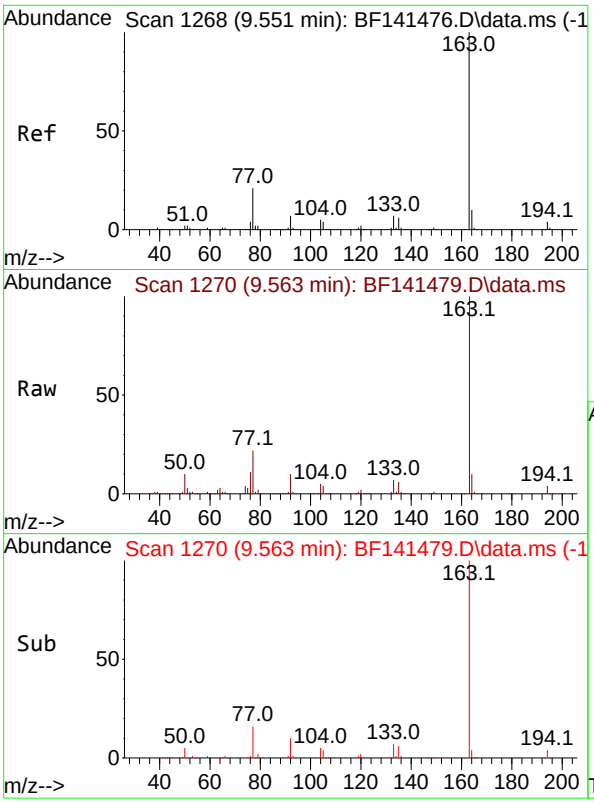


#49
Acenaphthylene
Concen: 76.291 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:152 Resp: 1211515

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	14.1	10.9	16.3



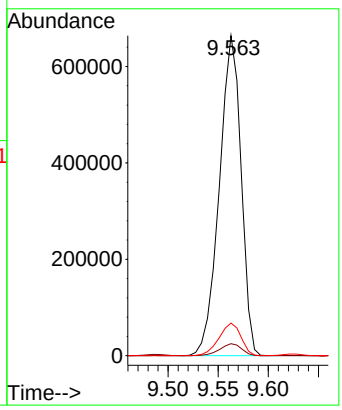


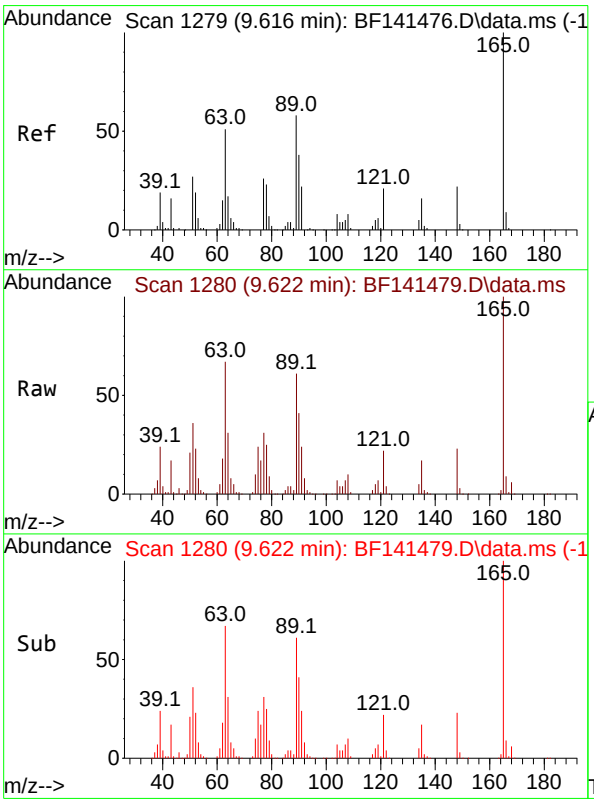
#50
Dimethylphthalate
Concen: 79.265 ng
RT: 9.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1002121

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	7.9	11.9

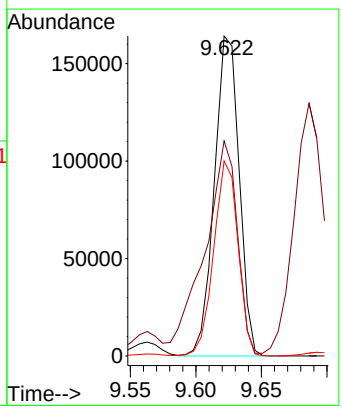


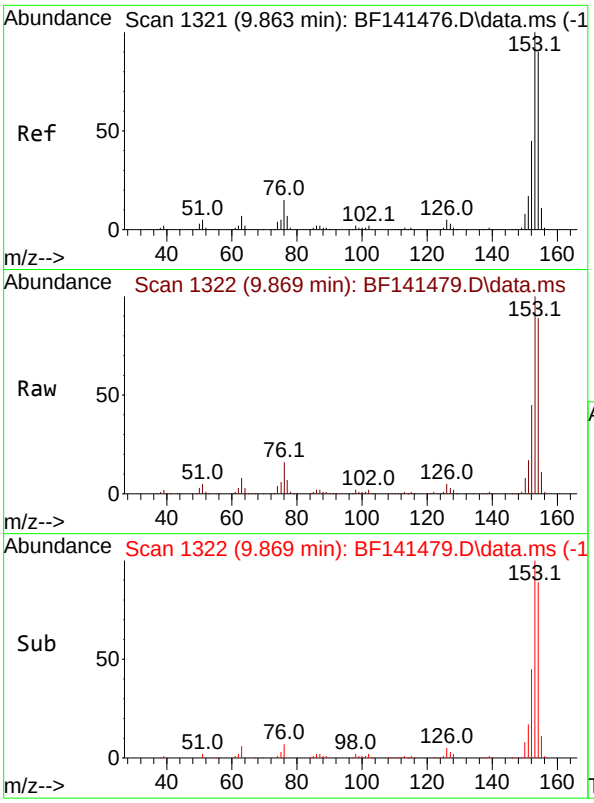


#51
2,6-Dinitrotoluene
Concen: 78.101 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 215853

Ion	Ratio	Lower	Upper
165	100		
63	67.2	49.4	74.0
89	60.9	46.5	69.7



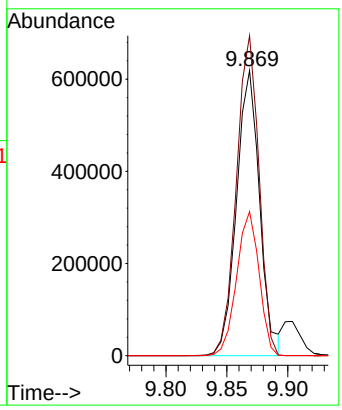


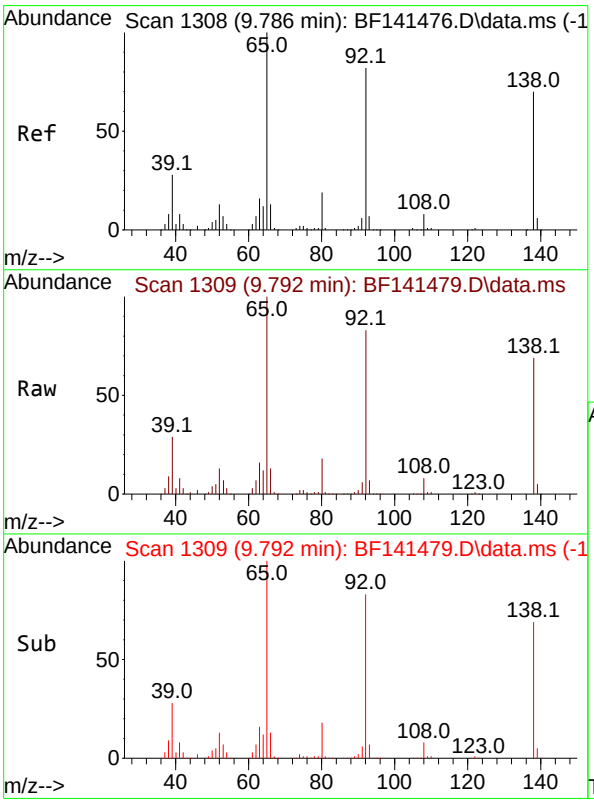
#52
Acenaphthene
Concen: 76.791 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 819818

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.2	133.8
152	50.5	39.8	59.8

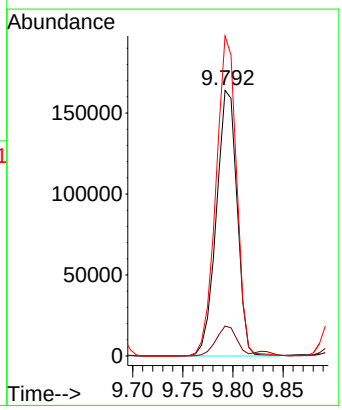


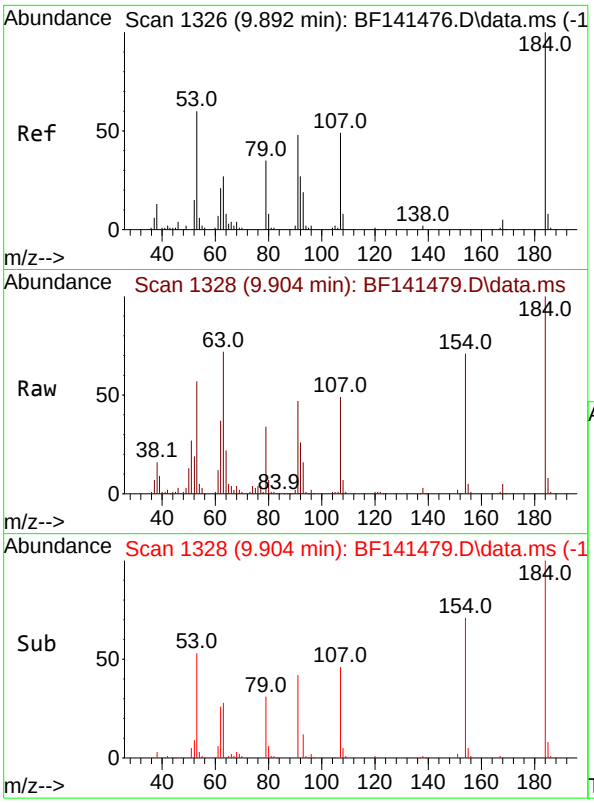


#53
3-Nitroaniline
Concen: 79.173 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:138 Resp: 235511

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	120.4	93.7	140.5



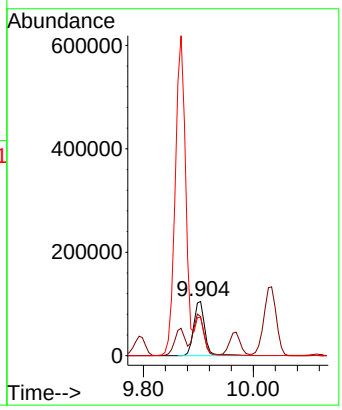


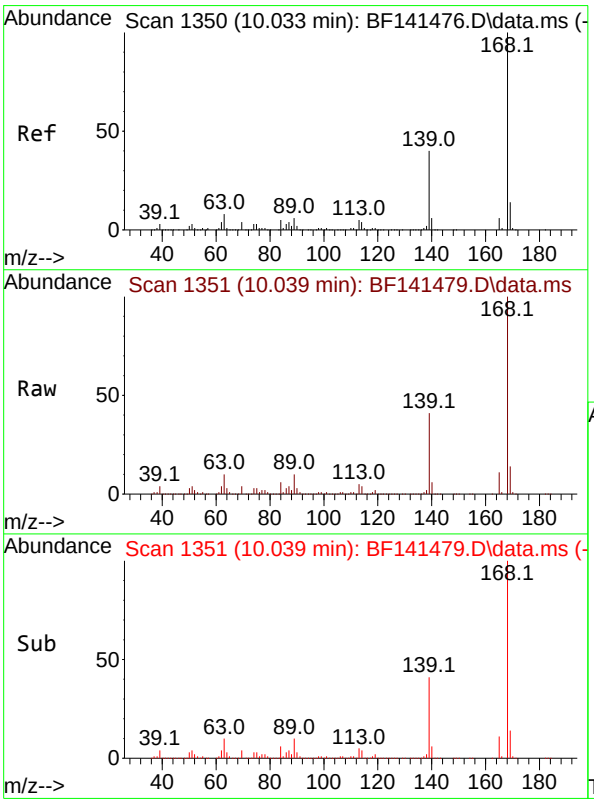
#54
2,4-Dinitrophenol
Concen: 89.960 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 147768

Ion	Ratio	Lower	Upper
184	100		
63	72.1	61.0	91.6
154	70.8	59.9	89.9

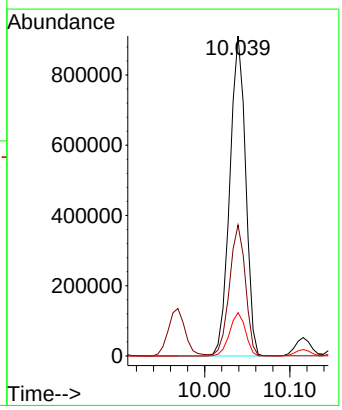


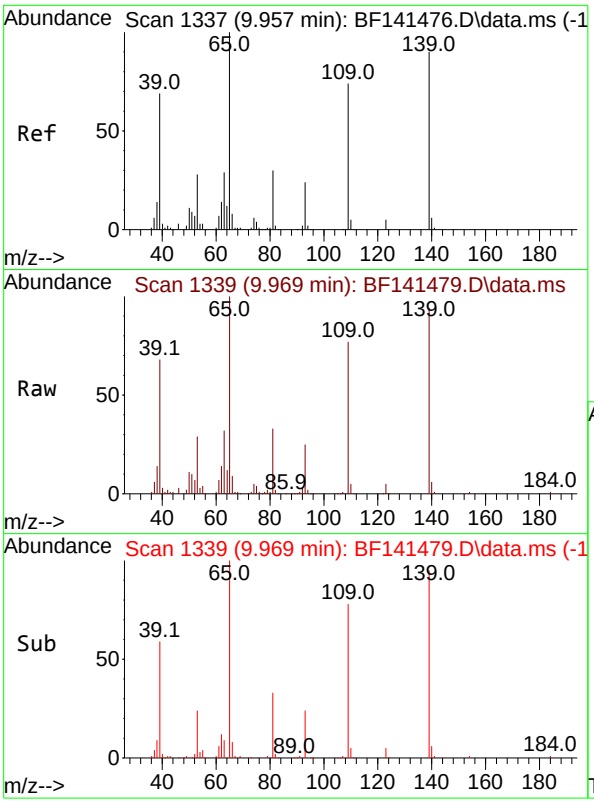


#55
Dibenzofuran
Concen: 74.928 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:168 Resp: 1174157

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.6	10.8	16.2



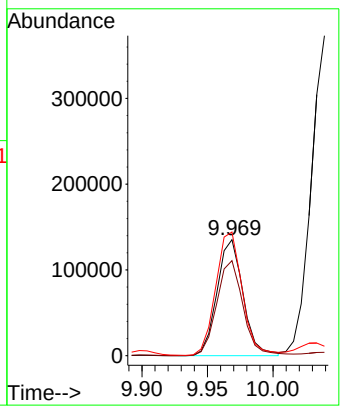


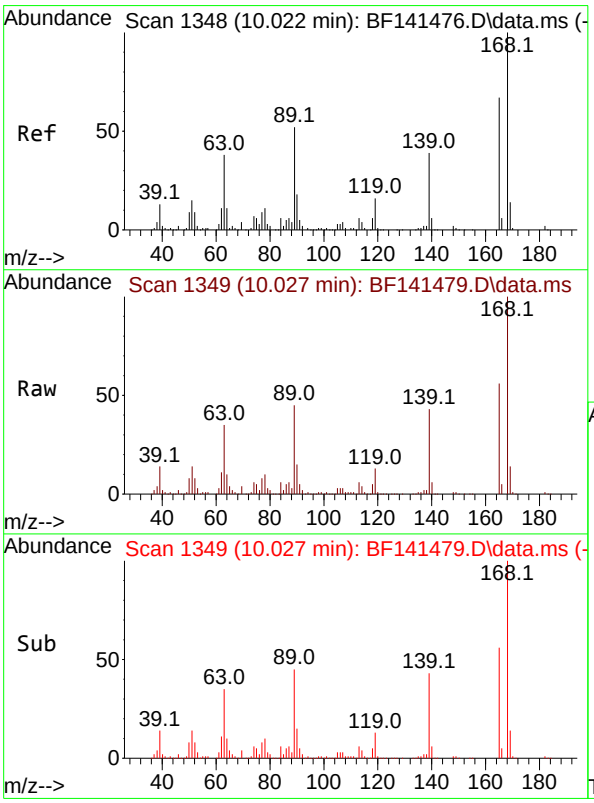
#56
4-Nitrophenol
Concen: 84.744 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 187131

Ion	Ratio	Lower	Upper
139	100		
109	81.9	62.0	102.0
65	106.7	91.2	131.2

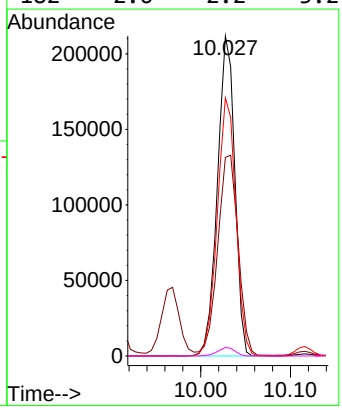


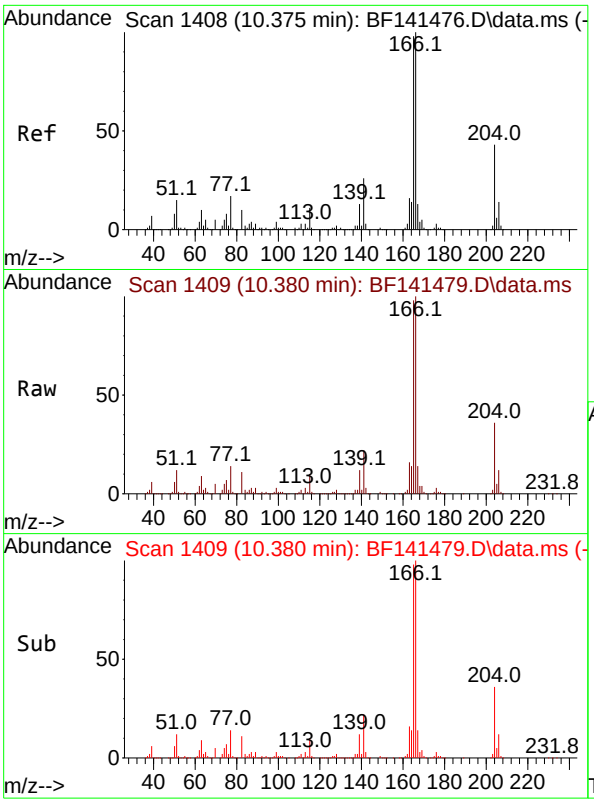


#57
2,4-Dinitrotoluene
Concen: 77.449 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:165 Resp: 284954

Ion	Ratio	Lower	Upper
165	100		
63	62.1	46.4	69.6
89	80.7	61.8	92.6
182	2.6	2.2	3.2



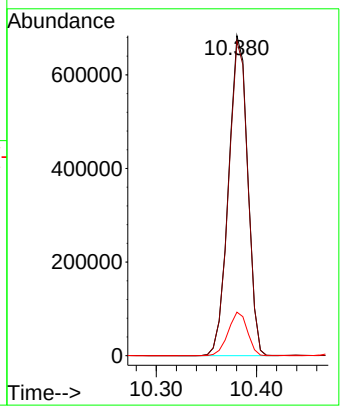


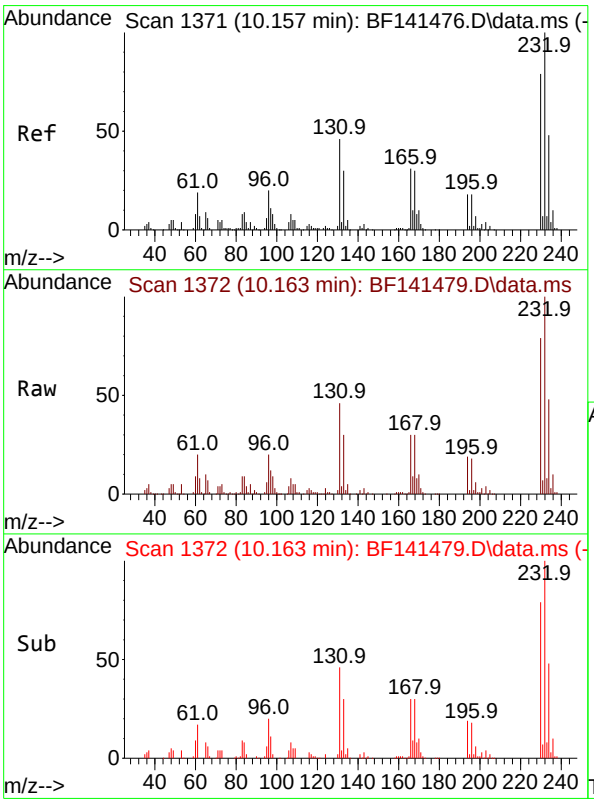
#58
Fluorene
Concen: 75.080 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 909704

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.2
167	13.6	10.7	16.1

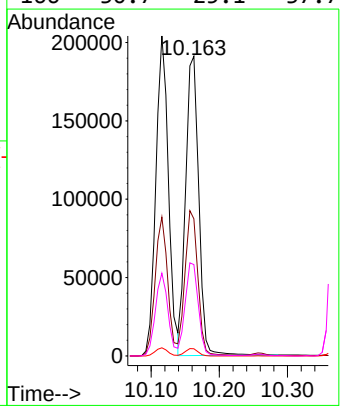


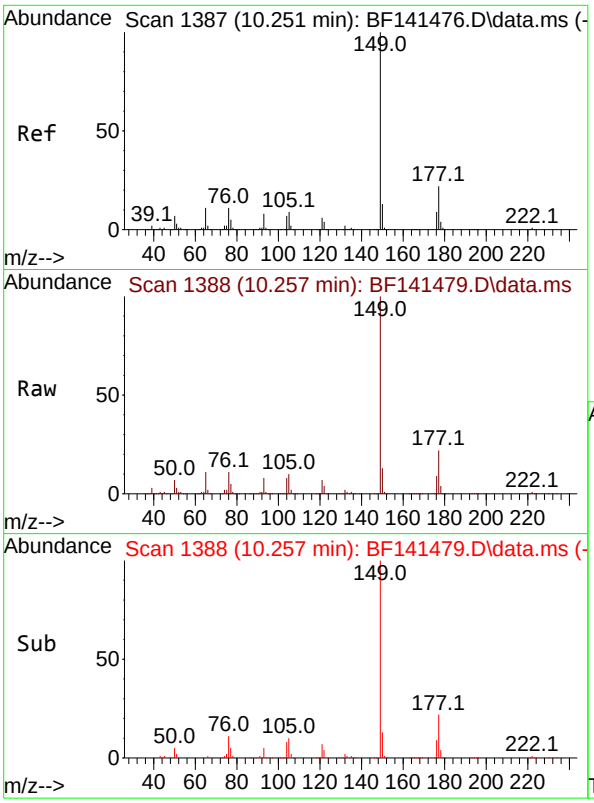


#59
2,3,4,6-Tetrachlorophenol
Concen: 78.006 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:232 Resp: 253454

Ion	Ratio	Lower	Upper
232	100		
131	47.1	39.2	58.8
130	2.4	2.1	3.1
166	30.7	25.1	37.7



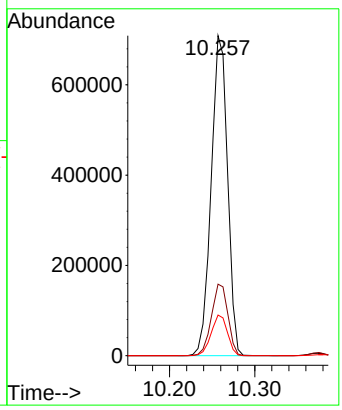


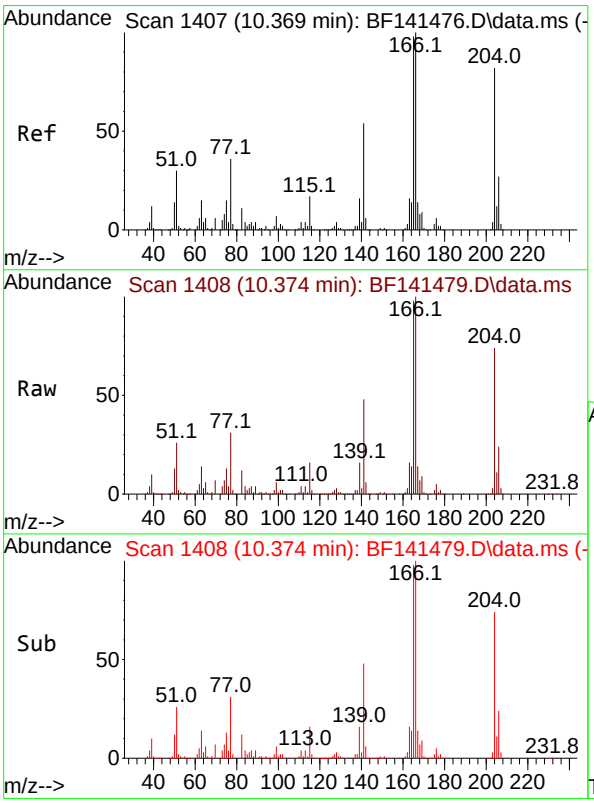
#60
Diethylphthalate
Concen: 75.995 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 945293

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.7	10.1	15.1

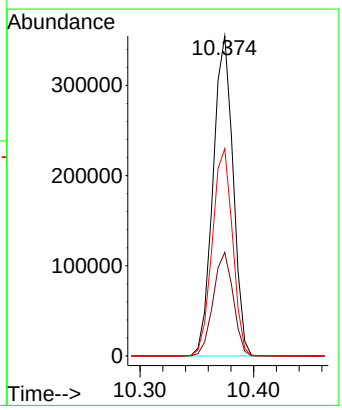


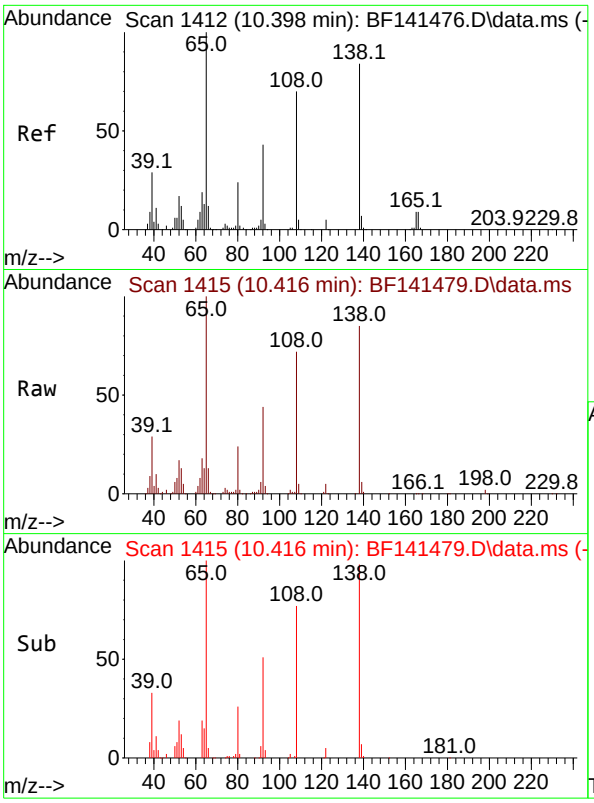


#61
4-Chlorophenyl-phenylether
Concen: 74.716 ng
RT: 10.374 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:204 Resp: 435522

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	64.8	51.9	77.9



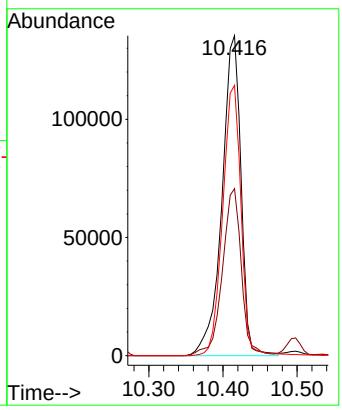


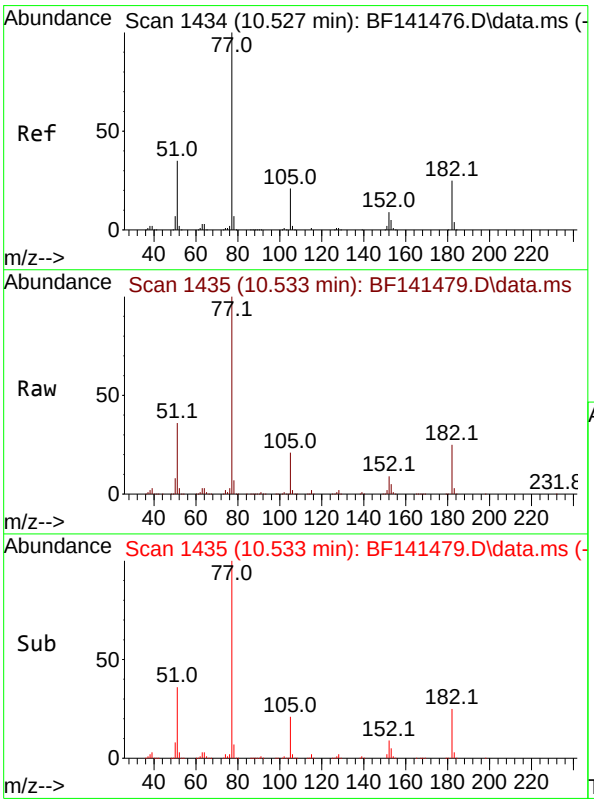
#62
4-Nitroaniline
Concen: 79.873 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 241257

Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.3	71.3
108	84.5	63.7	103.7

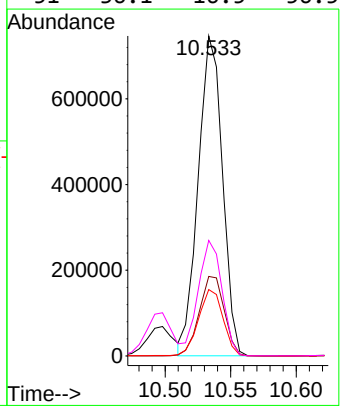


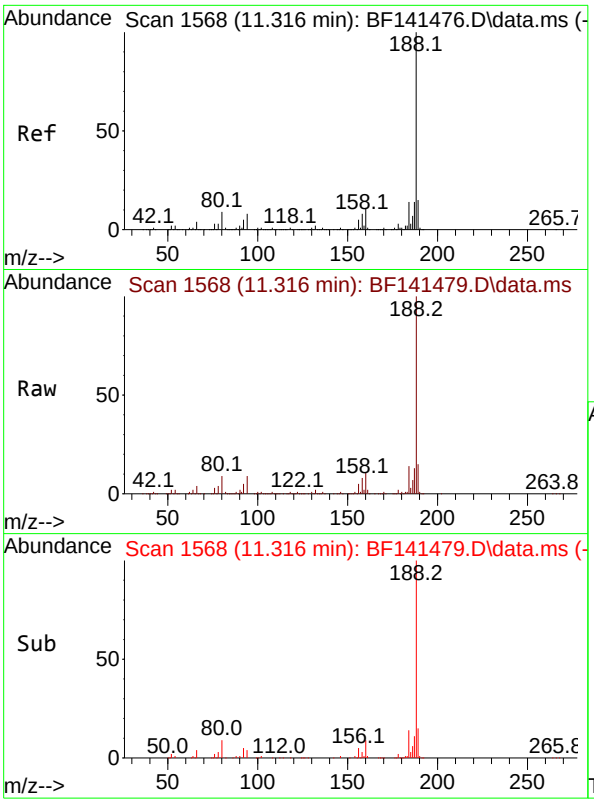


#63
Azobenzene
Concen: 77.931 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 77 Resp: 963689

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.7	44.7
105	20.8	0.4	40.4
51	36.1	16.5	56.5



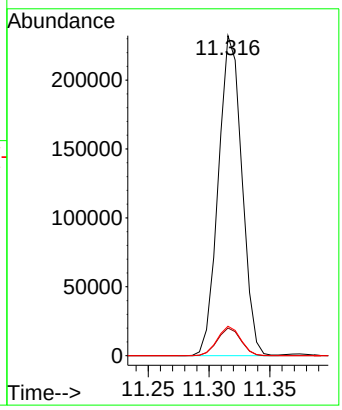


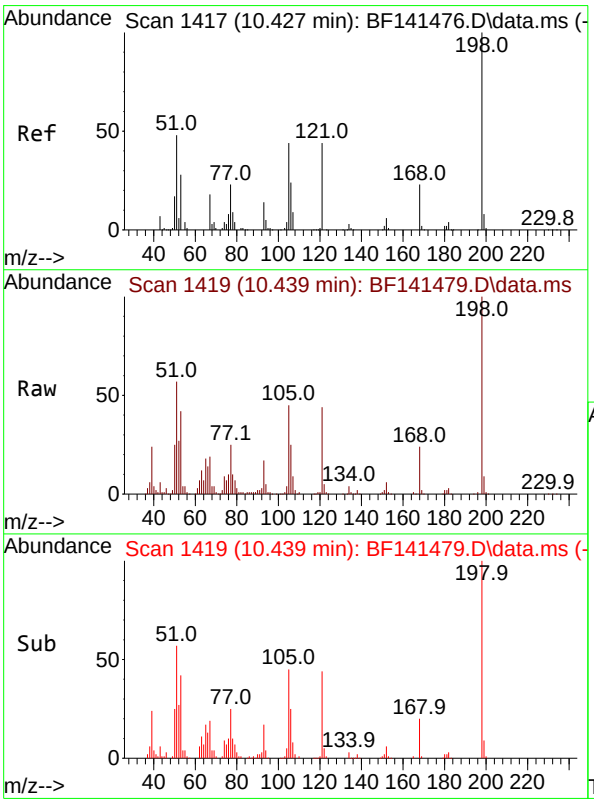
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 312902

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9

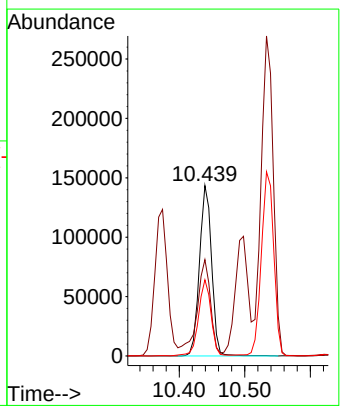


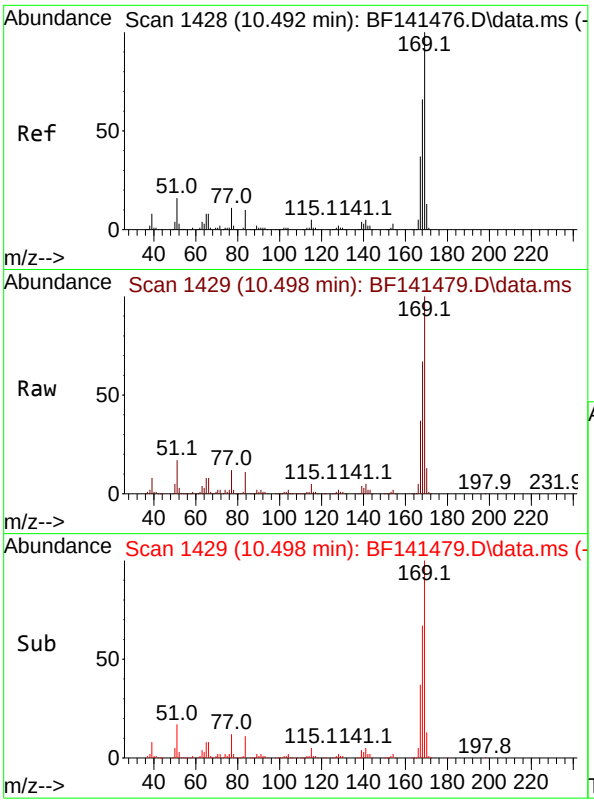


#65
4,6-Dinitro-2-methylphenol
Concen: 85.309 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:198 Resp: 185427

Ion	Ratio	Lower	Upper
198	100		
51	56.6	37.4	77.4
105	44.7	25.2	65.2



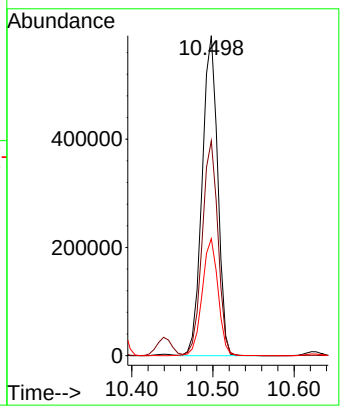


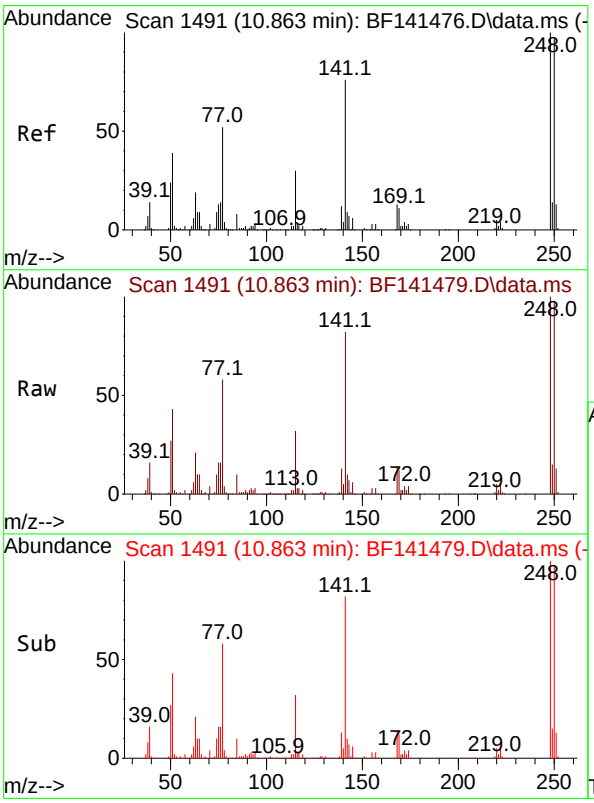
#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 785313

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.3	79.9
167	36.6	29.4	44.2

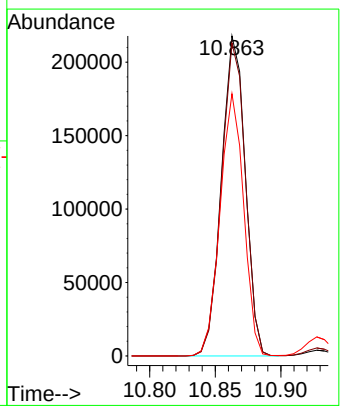


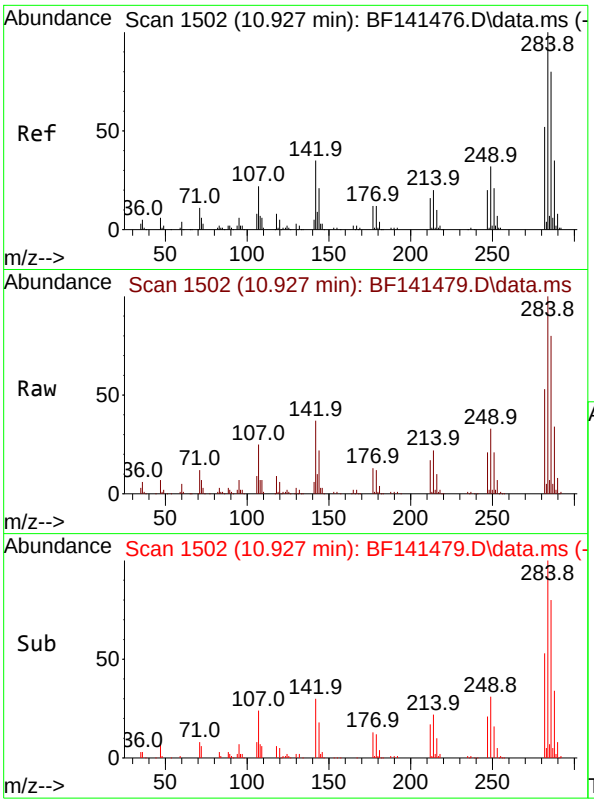


#67
4-Bromophenyl-phenylether
Concen: 78.988 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:248 Resp: 276228

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.8	116.6
141	81.9	60.6	90.8



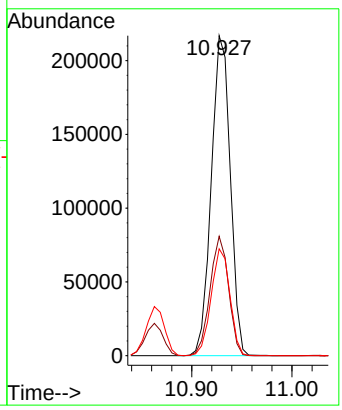


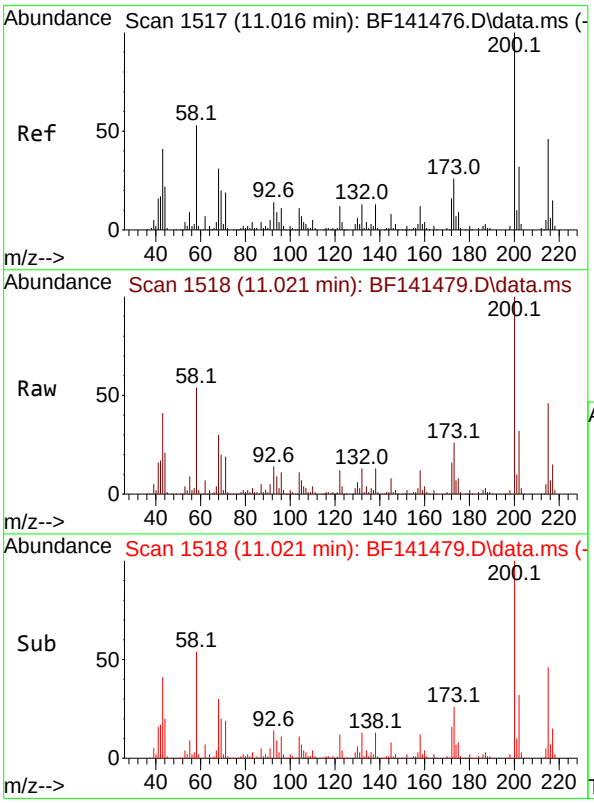
#68
Hexachlorobenzene
Concen: 79.174 ng
RT: 10.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 285111

Ion	Ratio	Lower	Upper
284	100		
142	37.3	28.0	42.0
249	33.4	25.8	38.8

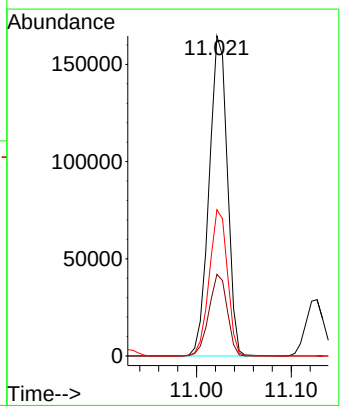


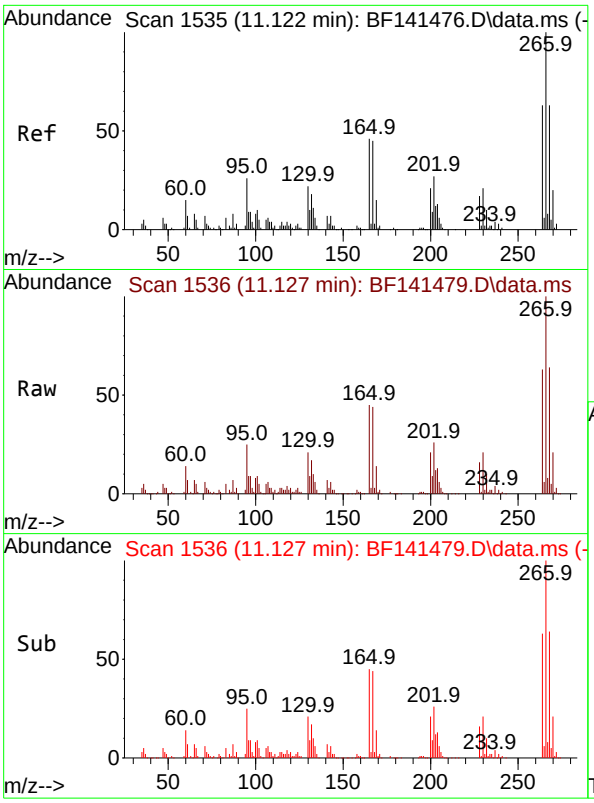


#69
Atrazine
Concen: 73.188 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:200 Resp: 219923

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.9	45.9
215	45.7	25.9	65.9



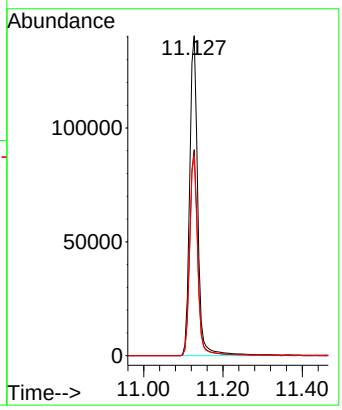


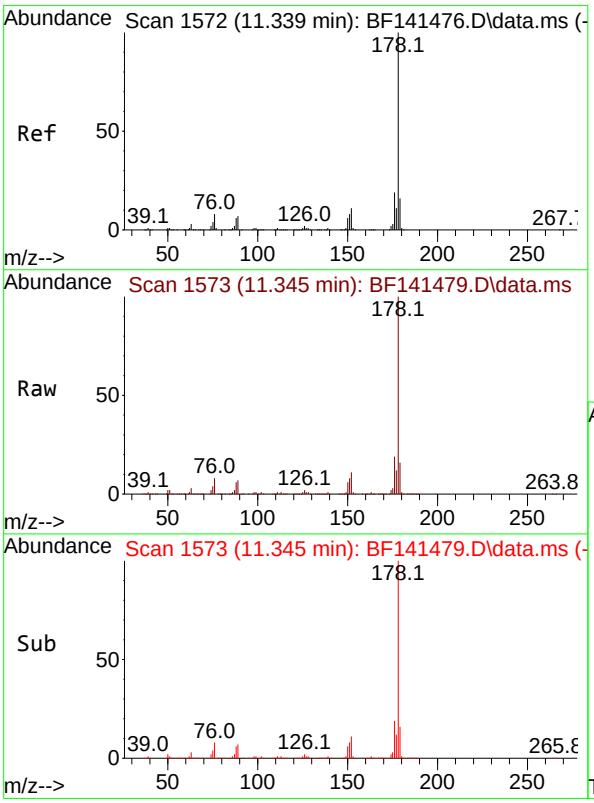
#70
Pentachlorophenol
Concen: 87.100 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 200556

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.1	75.1
264	62.5	50.1	75.1

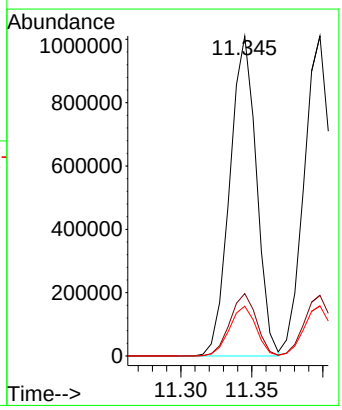


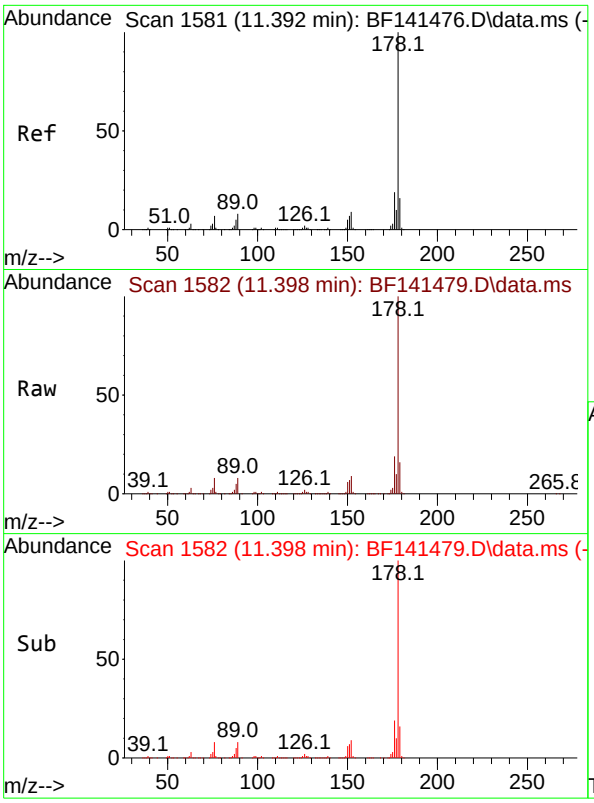


#71
Phenanthrene
Concen: 76.201 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:178 Resp: 1312474

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.4	18.6



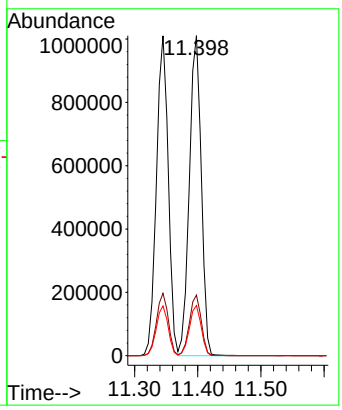


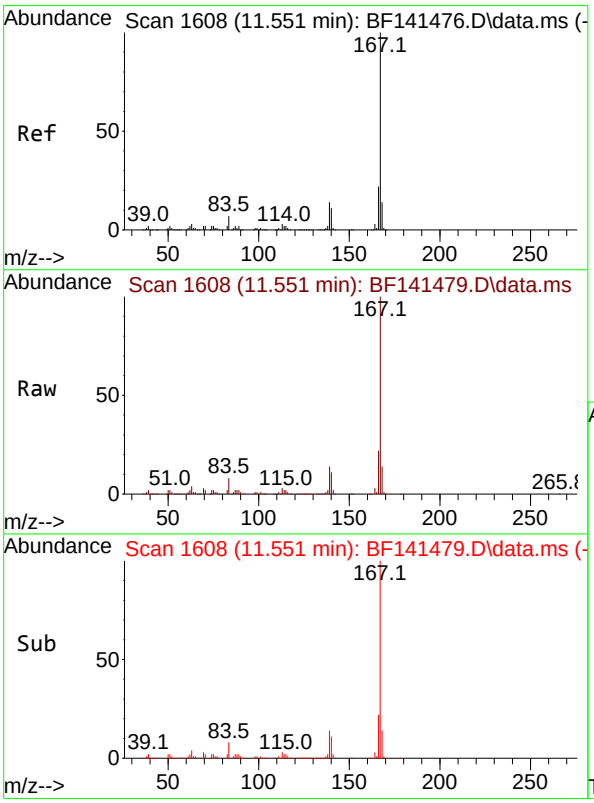
#72
Anthracene
Concen: 76.380 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1322462

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.6	12.4	18.6

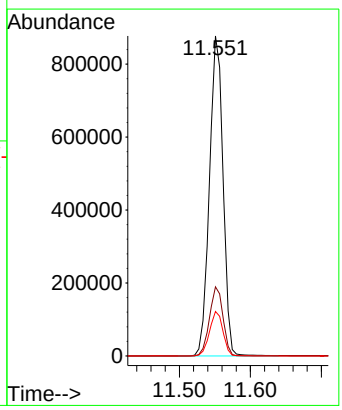


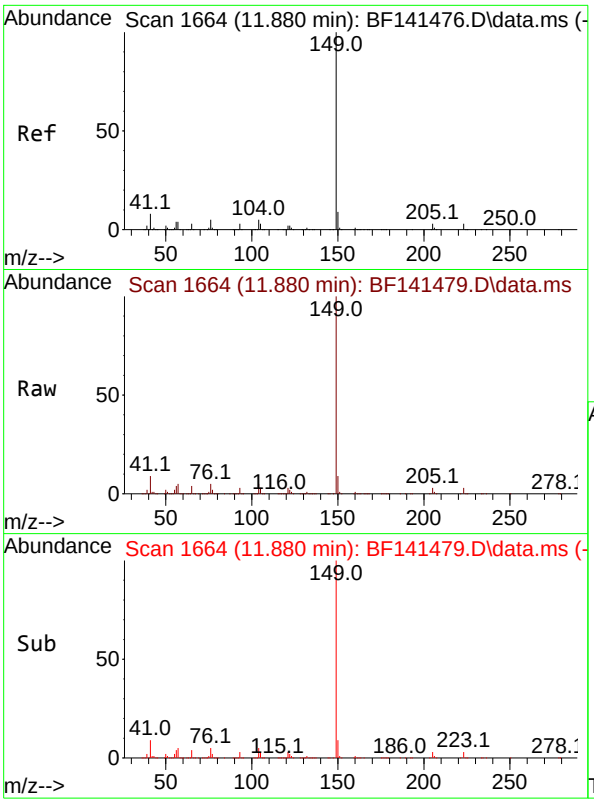


#73
Carbazole
Concen: 74.989 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:167 Resp: 1168253

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.9	10.9	16.3



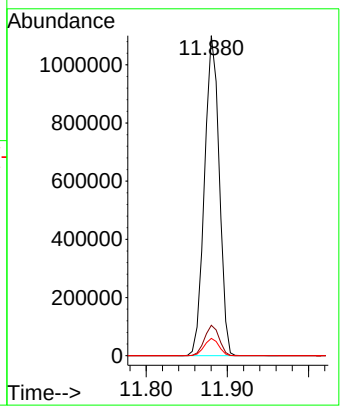


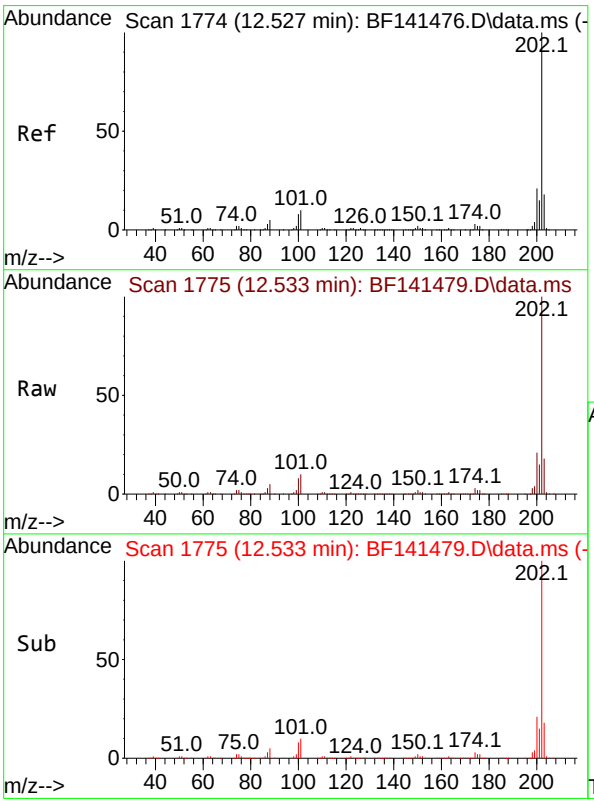
#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1382706

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	5.4	4.2	6.2

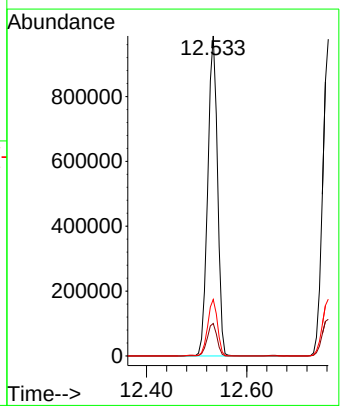


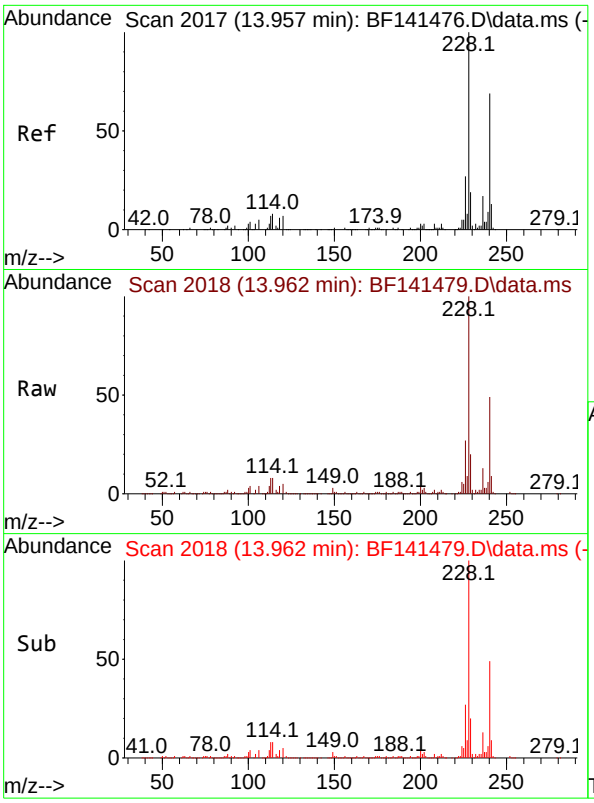


#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:202 Resp: 1333237

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6



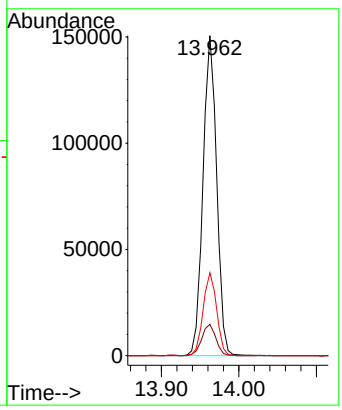


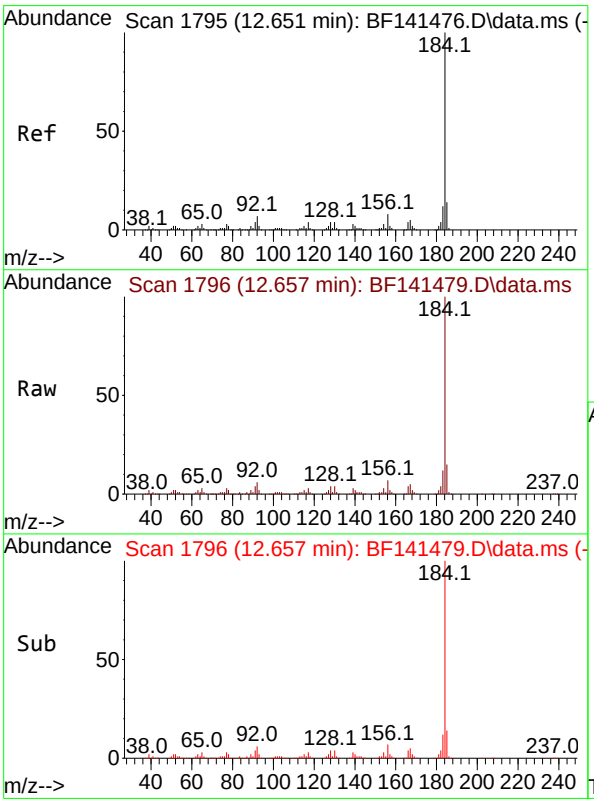
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 184347

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.9	19.8	29.8

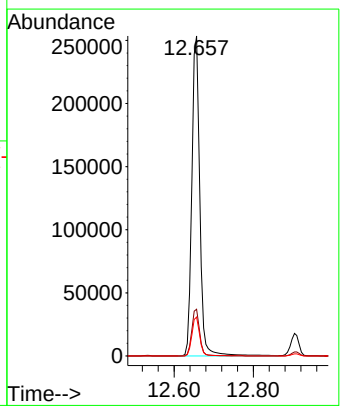


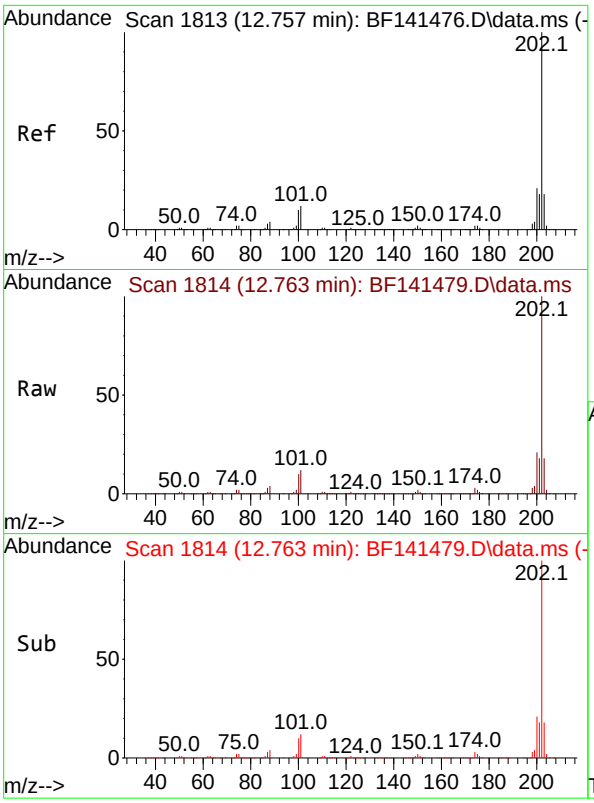


#77
Benzidine
Concen: 87.207 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:184 Resp: 354555

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	12.1	9.3	13.9



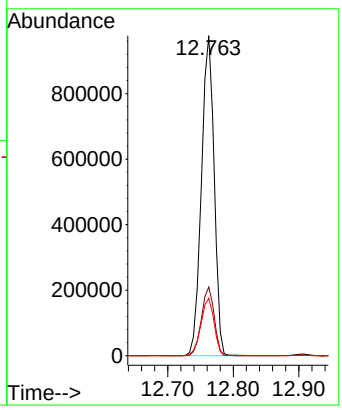


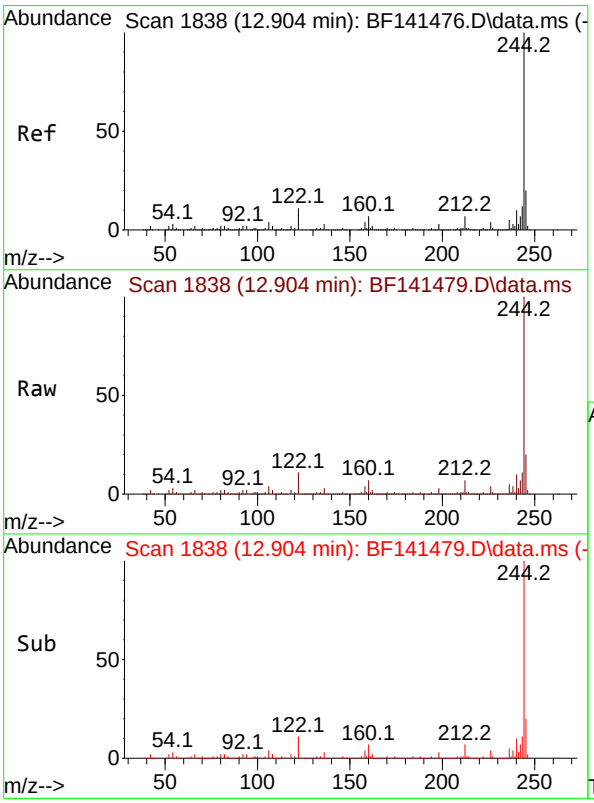
#78
Pyrene
Concen: 84.086 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1319554

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.9	14.3	21.5

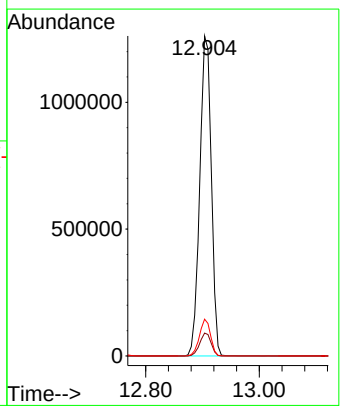


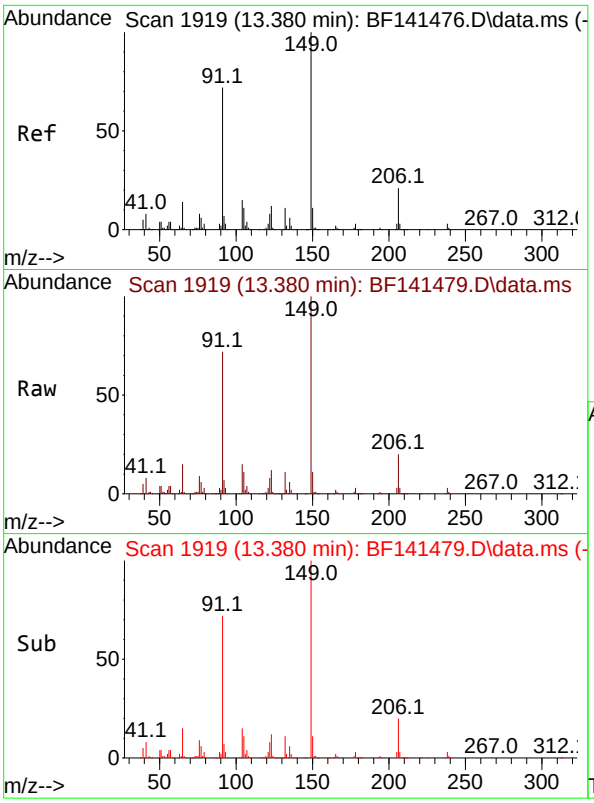


#79
Terphenyl-d14
Concen: 163.152 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:244 Resp: 1781602

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.5	8.4	12.6



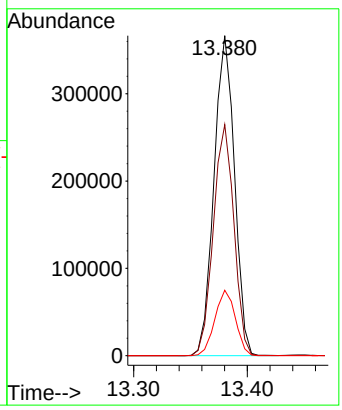


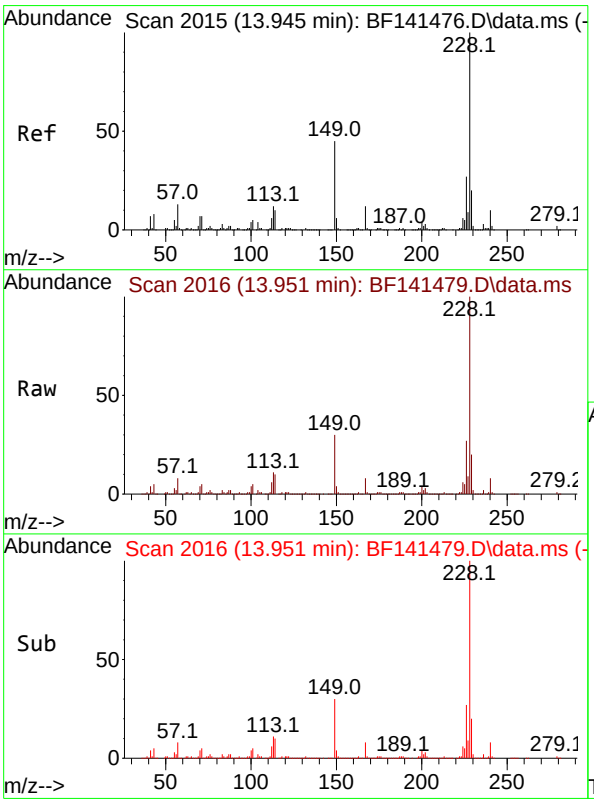
#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 459803

Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	20.4	16.7	25.1

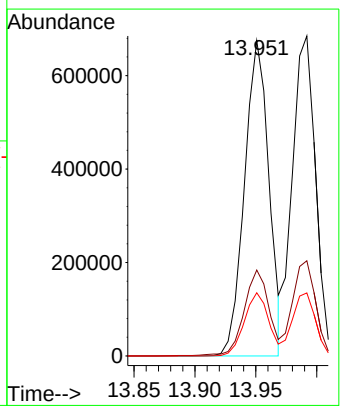


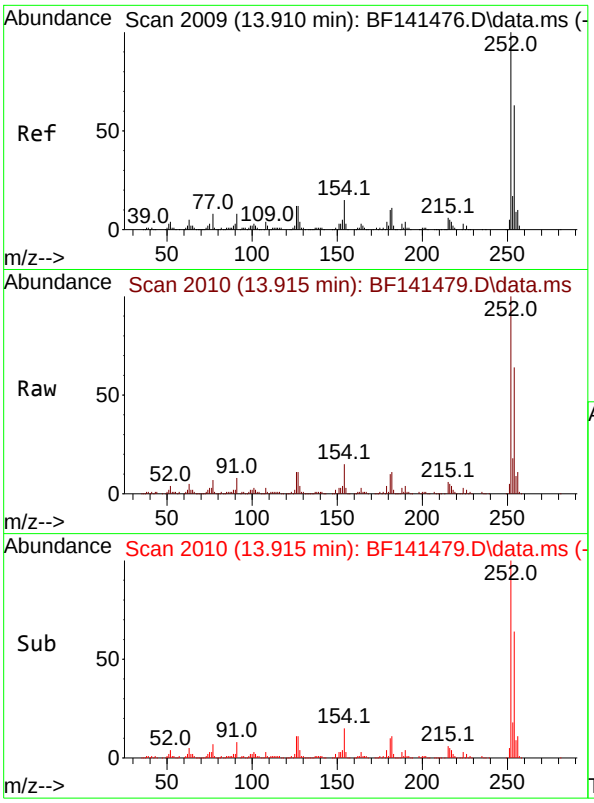


#81
Benzo(a)anthracene
Concen: 76.977 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:228 Resp: 943291

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.8	23.6



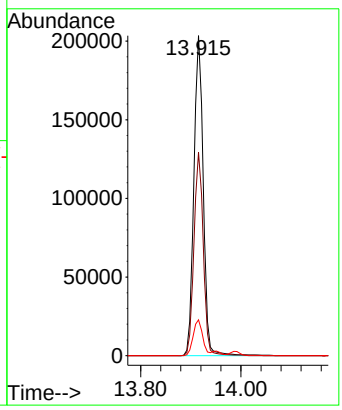


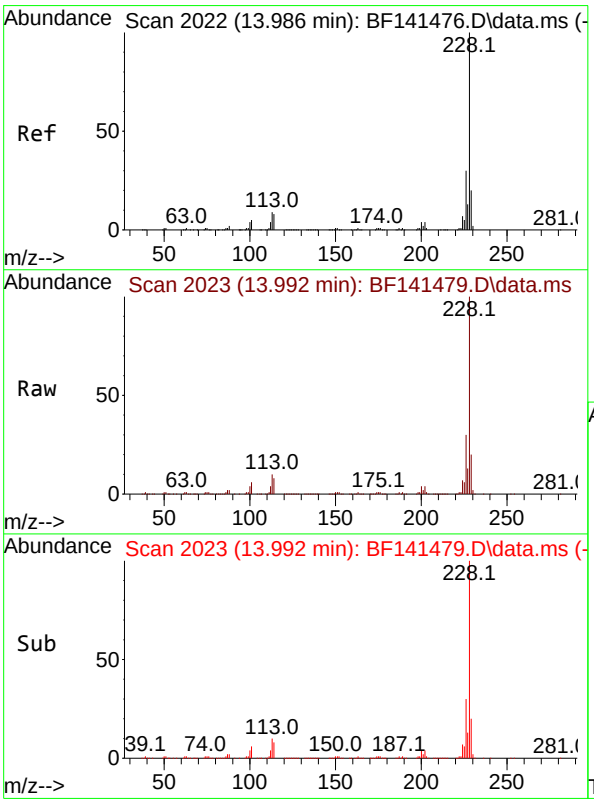
#82
3,3'-Dichlorobenzidine
Concen: 75.143 ng
RT: 13.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 263773

Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.6	76.0
126	11.2	9.3	13.9

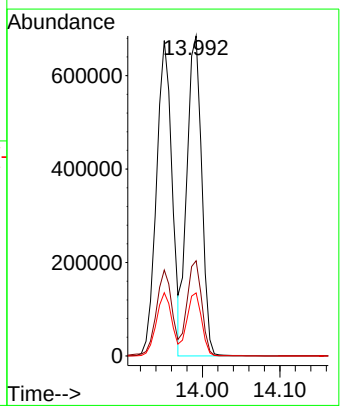


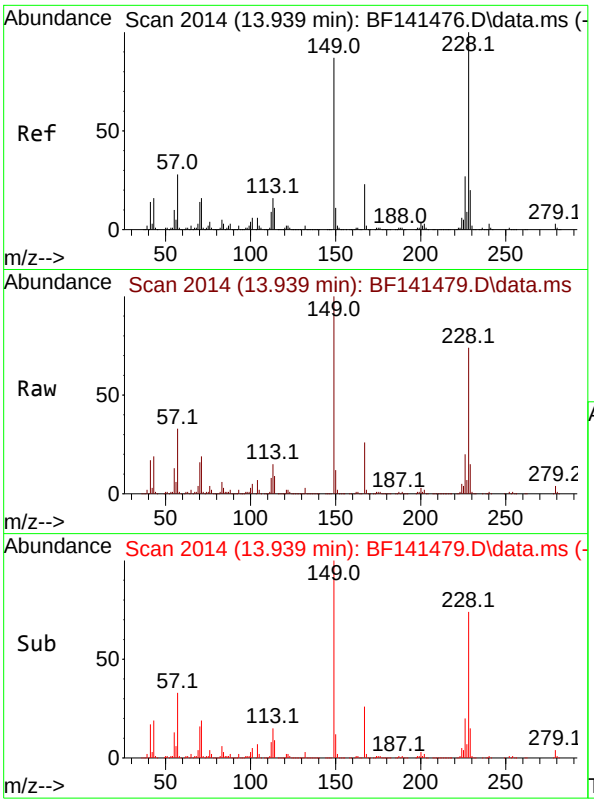


#83
Chrysene
Concen: 80.108 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:228 Resp: 906415

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.7	15.7	23.5



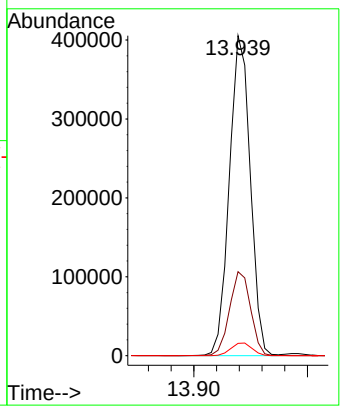


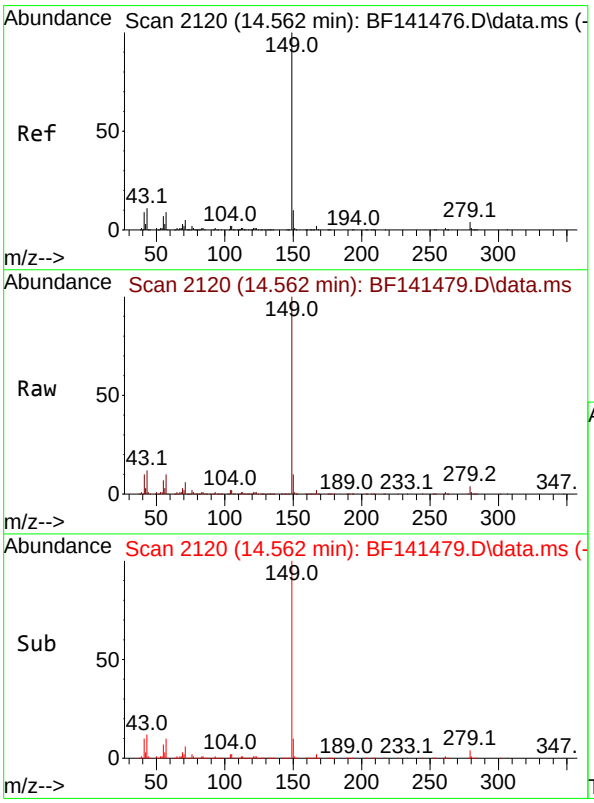
#84
Bis(2-ethylhexyl)phthalate
Concen: 84.477 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 517884

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.0
279	3.9	3.1	4.7

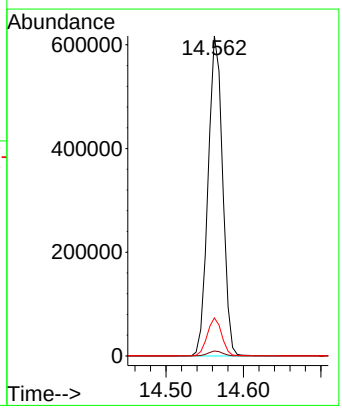


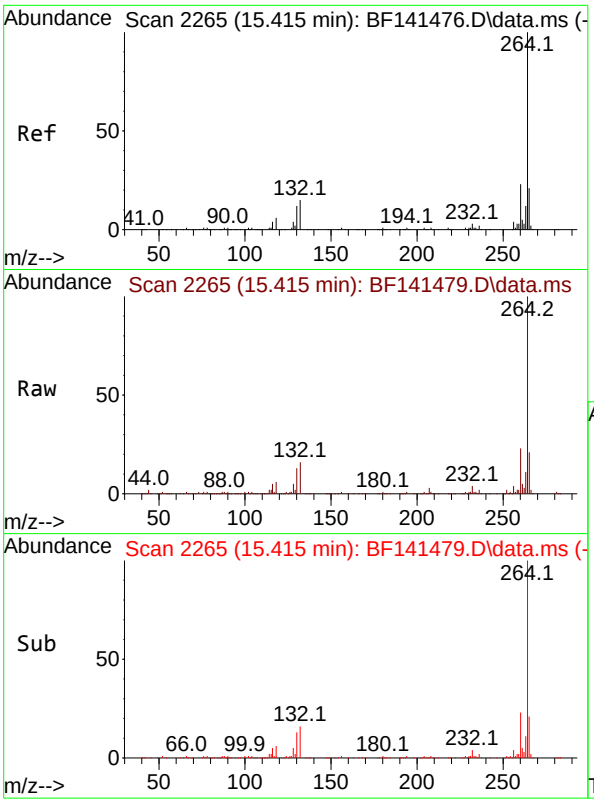


#85
Di-n-octyl phthalate
Concen: 91.886 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:149 Resp: 803601

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.8	9.5	14.3



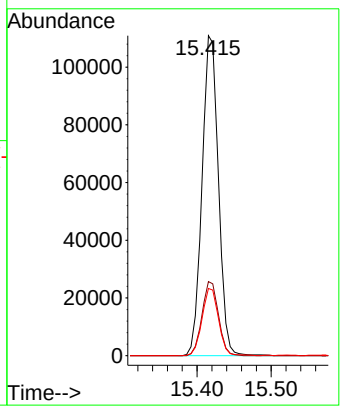


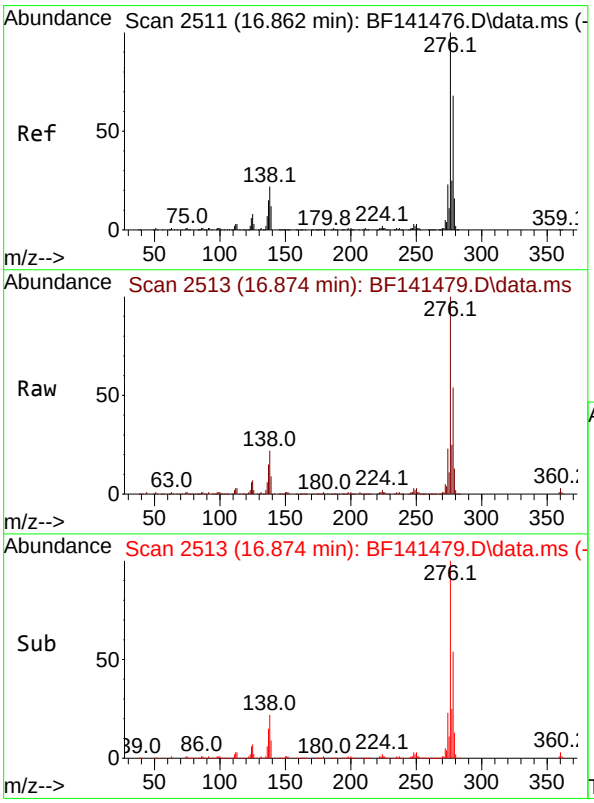
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 170605

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.0	17.0	25.4

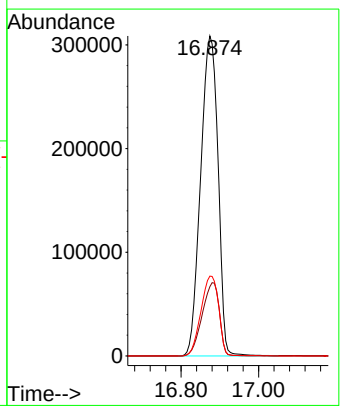


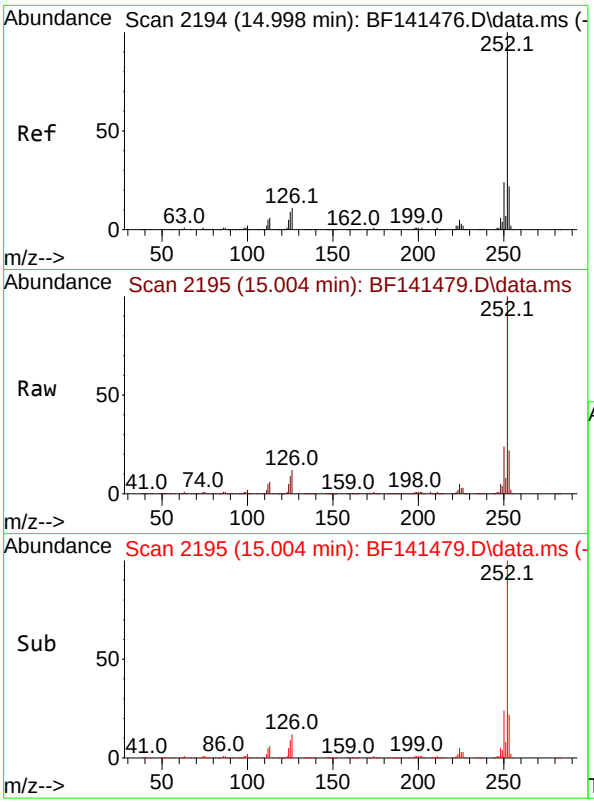


#87
Indeno(1,2,3-cd)pyrene
Concen: 91.166 ng
RT: 16.874 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:276 Resp: 961023

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.0	27.0
277	25.4	20.4	30.6



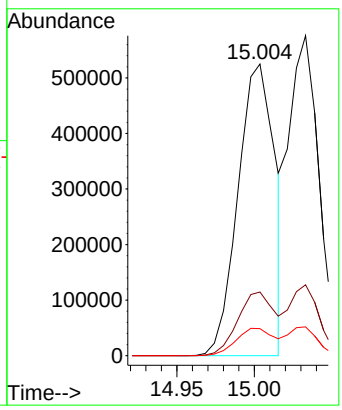


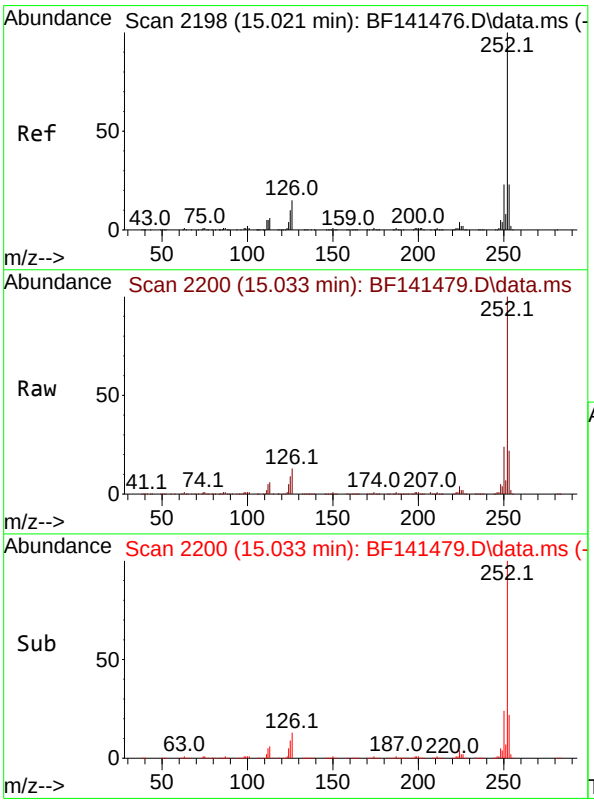
#88
Benzo(b)fluoranthene
Concen: 75.529 ng
RT: 15.004 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 865205

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.3	7.0	10.6

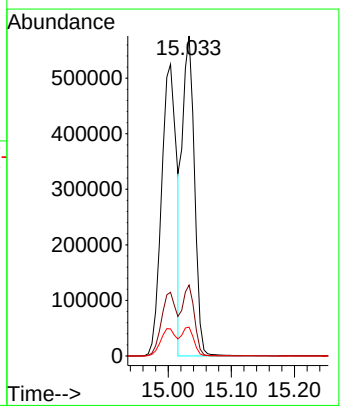


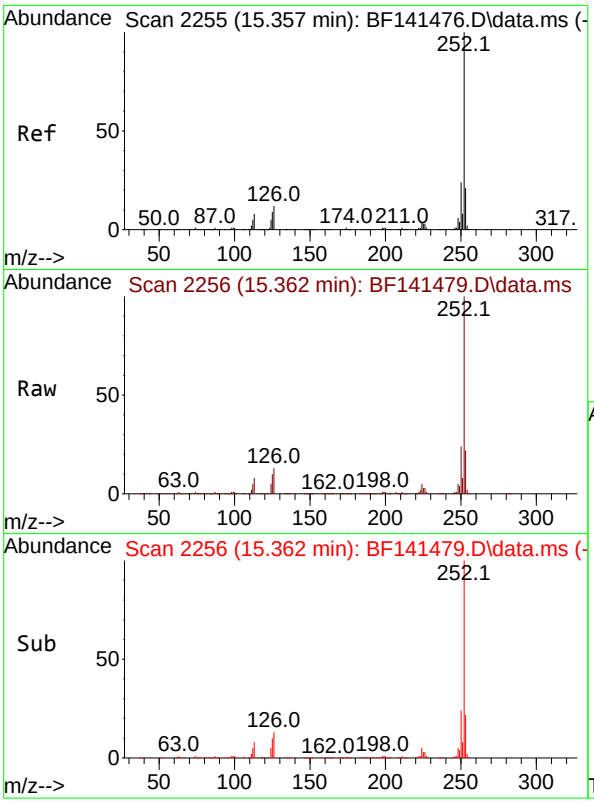


#89
Benzo(k)fluoranthene
Concen: 79.364 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:252 Resp: 776323

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	9.0	7.4	11.0



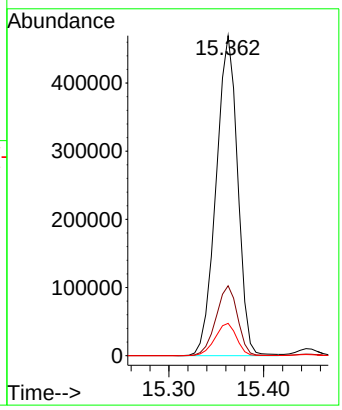


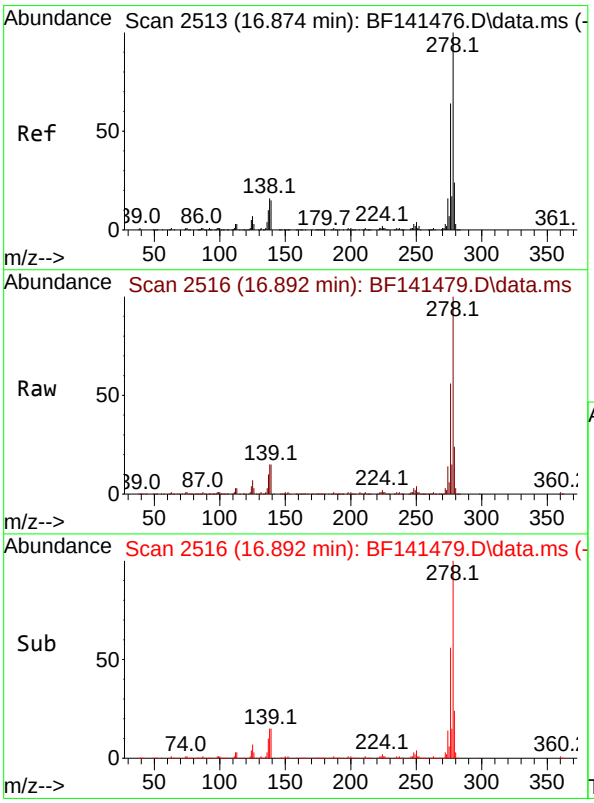
#90
Benzo(a)pyrene
Concen: 80.150 ng
RT: 15.362 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 742932

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	10.1	7.4	11.2

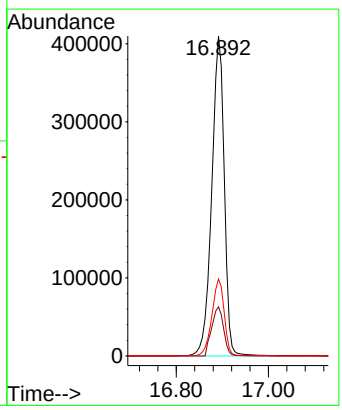


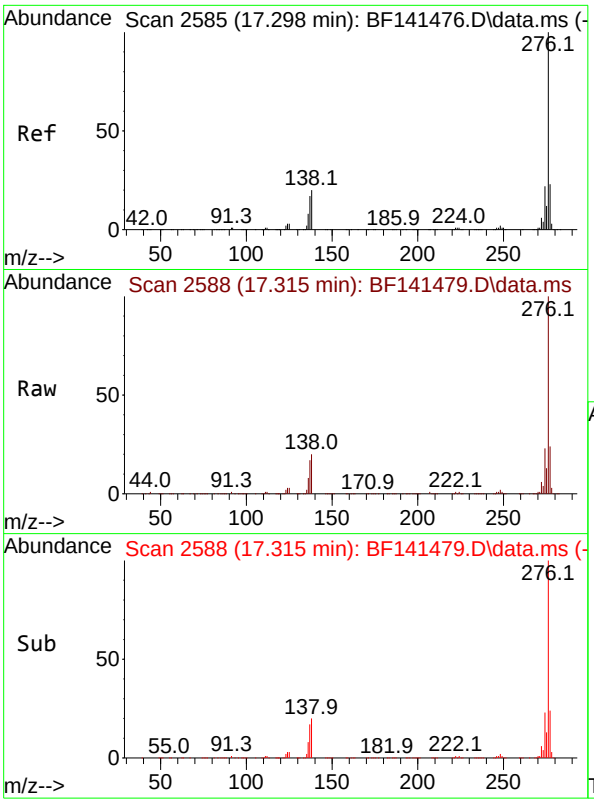


#91
Dibenzo(a,h)anthracene
Concen: 90.578 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:278 Resp: 773684

Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.8	17.6
279	24.1	19.1	28.7



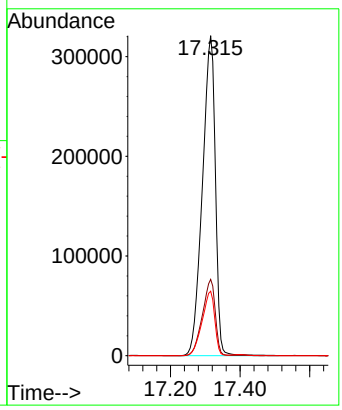


#92
Benzo(g,h,i)perylene
Concen: 93.015 ng
RT: 17.315 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 831418

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	20.2	15.9	23.9



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90009	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	362467	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	197991	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	337289	20.000	ng	0.00
76) Chrysene-d12	13.963	240	252530	20.000	ng	0.00
86) Perylene-d12	15.427	264	199389	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	470176	81.894	ng	0.00
7) Phenol-d6	6.428	99	586892	80.878	ng	-0.01
23) Nitrobenzene-d5	7.357	82	544613	78.369	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	158098	79.490	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1012492	78.786	ng	0.00
79) Terphenyl-d14	12.904	244	1133126	75.750	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	93282	40.369	ng	99
3) Pyridine	3.205	79	230604	41.938	ng	99
4) n-Nitrosodimethylamine	3.158	42	151656	41.653	ng	97
6) Aniline	6.451	93	284762	41.834	ng	92
8) 2-Chlorophenol	6.575	128	251415	40.527	ng	96
9) Benzaldehyde	6.340	77	154649	40.105	ng	99
10) Phenol	6.446	94	306753	40.615	ng	97
11) bis(2-Chloroethyl)ether	6.528	93	226152	39.866	ng	100
12) 1,3-Dichlorobenzene	6.728	146	264052	40.317	ng	98
13) 1,4-Dichlorobenzene	6.804	146	267068	39.911	ng	99
14) 1,2-Dichlorobenzene	6.957	146	250623	40.354	ng	99
15) Benzyl Alcohol	6.934	79	228379	41.041	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	393626	40.535	ng	98
17) 2-Methylphenol	7.051	107	197905	40.768	ng	99
18) Hexachloroethane	7.298	117	101687	41.061	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	173832	40.048	ng	100
20) 3+4-Methylphenols	7.204	107	247254	40.073	ng	98
22) Acetophenone	7.198	105	353867	39.246	ng	100
24) Nitrobenzene	7.375	77	267193	39.429	ng	100
25) Isophorone	7.610	82	440640	39.767	ng	100
26) 2-Nitrophenol	7.687	139	136248	40.413	ng	98
27) 2,4-Dimethylphenol	7.728	122	157242	39.924	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	282744	39.822	ng	100
29) 2,4-Dichlorophenol	7.934	162	211891	39.818	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	227379	39.237	ng	100
31) Naphthalene	8.093	128	741255	39.287	ng	100
32) Benzoic acid	7.857	122	164966	40.324	ng	98
33) 4-Chloroaniline	8.145	127	267977	40.680	ng	99
34) Hexachlorobutadiene	8.210	225	139658	40.144	ng	99
35) Caprolactam	8.516	113	66599	41.104	ng	99
36) 4-Chloro-3-methylphenol	8.634	107	235824	40.006	ng	100
37) 2-Methylnaphthalene	8.787	142	475273	38.710	ng	100
38) 1-Methylnaphthalene	8.881	142	464346	39.049	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	230166	40.182	ng	99
41) Hexachlorocyclopentadiene	8.934	237	73834	38.754	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	147770	39.914	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

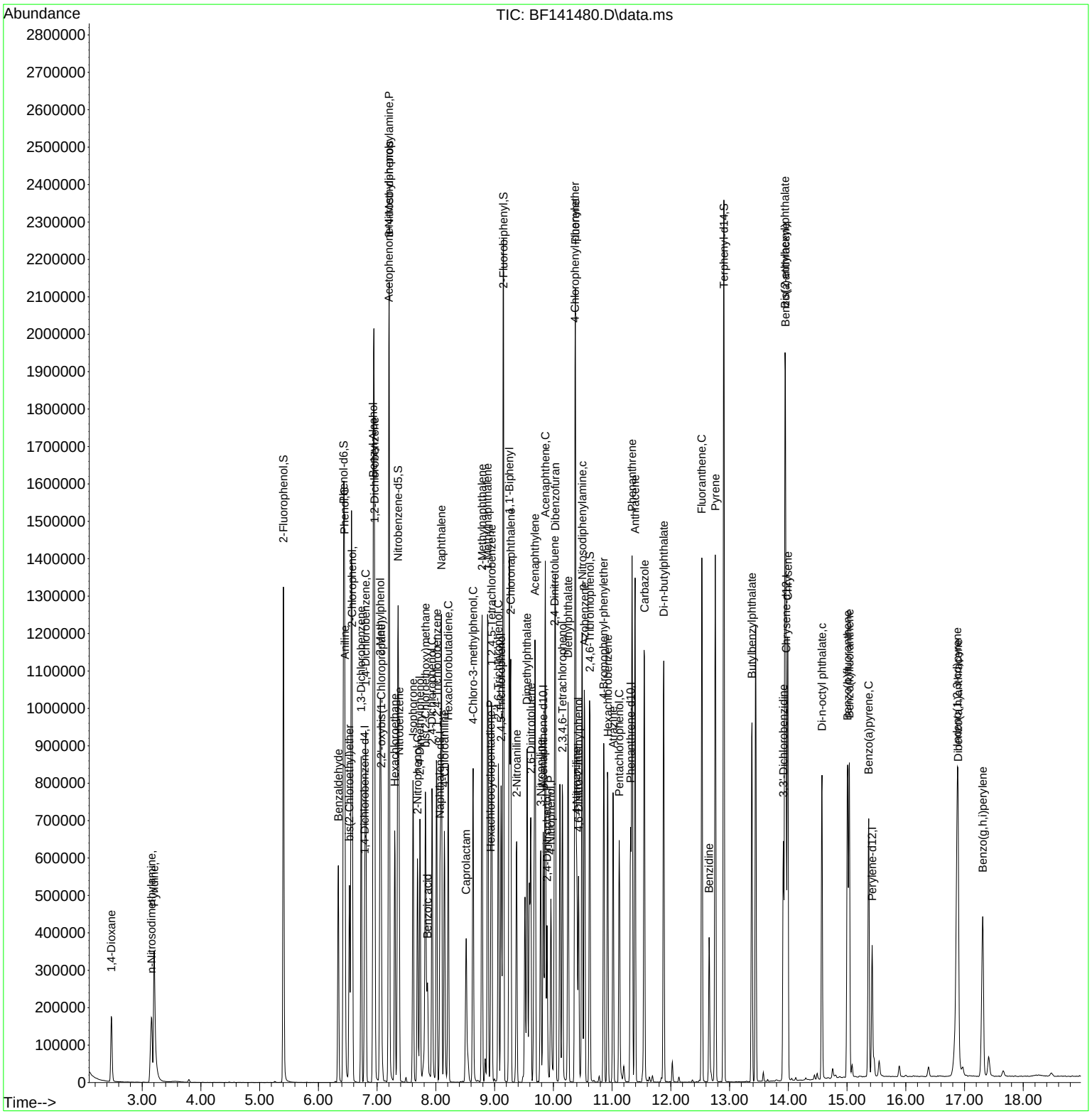
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	160926	40.108	ng	99
46) 1,1'-Biphenyl	9.251	154	606611	39.519	ng	100
47) 2-Chloronaphthalene	9.275	162	447817	39.453	ng	100
48) 2-Nitroaniline	9.375	65	154092	40.451	ng	98
49) Acenaphthylene	9.687	152	670833	39.734	ng	99
50) Dimethylphthalate	9.551	163	530769	39.488	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117431	39.965	ng	99
52) Acenaphthene	9.863	154	452794	39.893	ng	100
53) 3-Nitroaniline	9.787	138	127965	40.463	ng	99
54) 2,4-Dinitrophenol	9.892	184	74461	42.639	ng	97
55) Dibenzofuran	10.034	168	664069	39.860	ng	99
56) 4-Nitrophenol	9.957	139	98990	42.166	ng	99
57) 2,4-Dinitrotoluene	10.022	165	158941	40.633	ng	100
58) Fluorene	10.375	166	508833	39.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	139688	40.438	ng	97
60) Diethylphthalate	10.251	149	521933	39.467	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	243659	39.318	ng	98
62) 4-Nitroaniline	10.398	138	132059	41.124	ng	99
63) Azobenzene	10.528	77	522705	39.759	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	98944	42.230	ng	98
66) n-Nitrosodiphenylamine	10.492	169	432307	40.040	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	154044	40.864	ng	95
68) Hexachlorobenzene	10.928	284	156075	40.208	ng	99
69) Atrazine	11.016	200	127486	39.358	ng	100
70) Pentachlorophenol	11.122	266	105427	42.476	ng	99
71) Phenanthrene	11.339	178	744761	40.114	ng	100
72) Anthracene	11.392	178	753295	40.362	ng	100
73) Carbazole	11.551	167	676218	40.267	ng	100
74) Di-n-butylphthalate	11.881	149	794101	40.953	ng	100
75) Fluoranthene	12.528	202	807256	41.011	ng	100
77) Benzidine	12.651	184	211734	38.017	ng	100
78) Pyrene	12.757	202	812250	37.784	ng	100
80) Butylbenzylphthalate	13.380	149	311103	41.781	ng	99
81) Benzo(a)anthracene	13.951	228	638036	38.009	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	185650	38.608	ng	99
83) Chrysene	13.992	228	610091	39.361	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	371434	44.229	ng	100
85) Di-n-octyl phthalate	14.574	149	534947	44.652	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	474949	38.551	ng	99
88) Benzo(b)fluoranthene	15.010	252	526847	39.352	ng	100
89) Benzo(k)fluoranthene	15.039	252	470794	41.182	ng	98
90) Benzo(a)pyrene	15.369	252	427462	39.459	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	388028	38.870	ng	99
92) Benzo(g,h,i)perylene	17.310	276	402566	38.536	ng	99

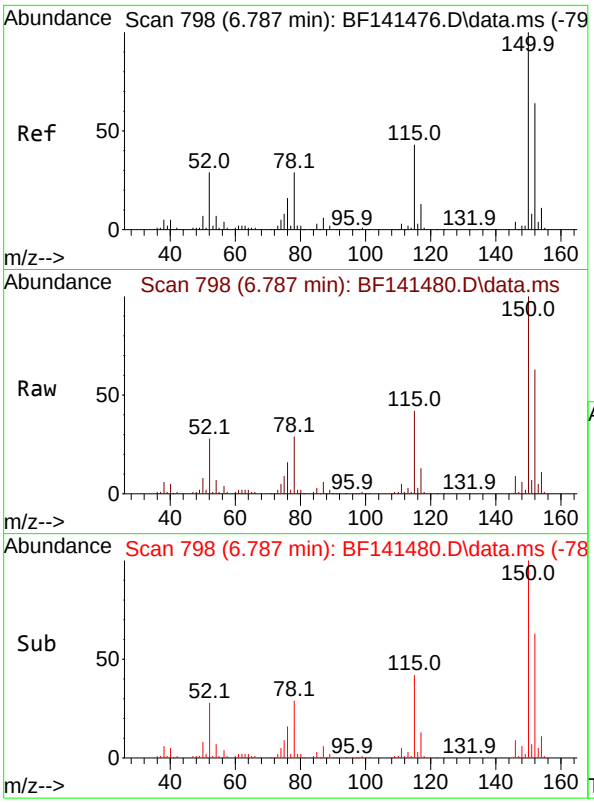
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration



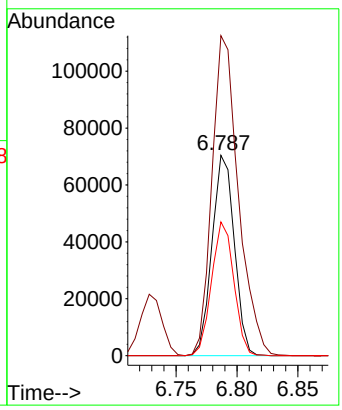


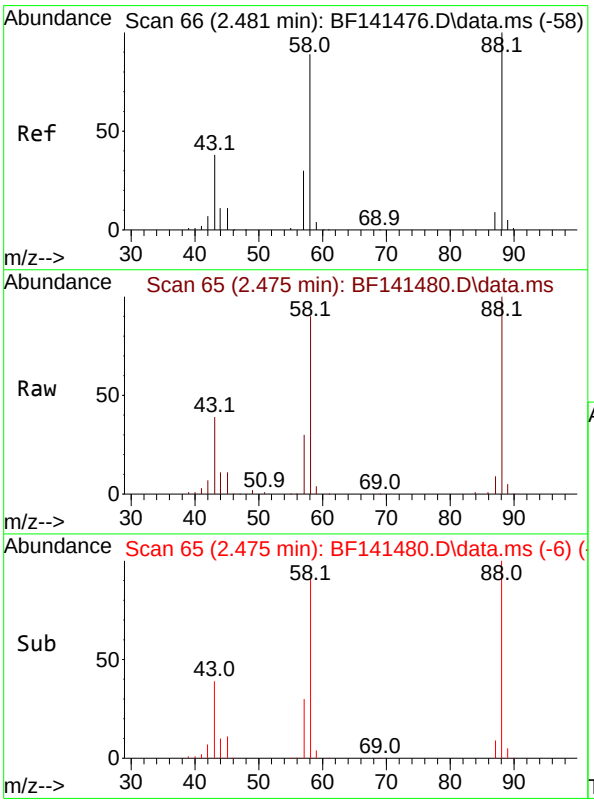
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:152 Resp: 90009

Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.0	187.4
115	66.8	53.6	80.4

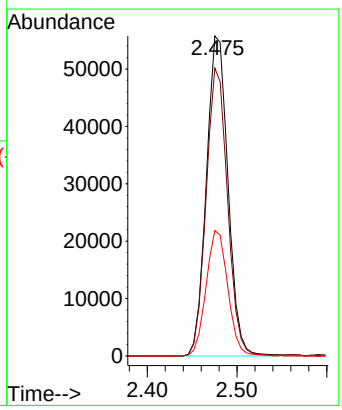


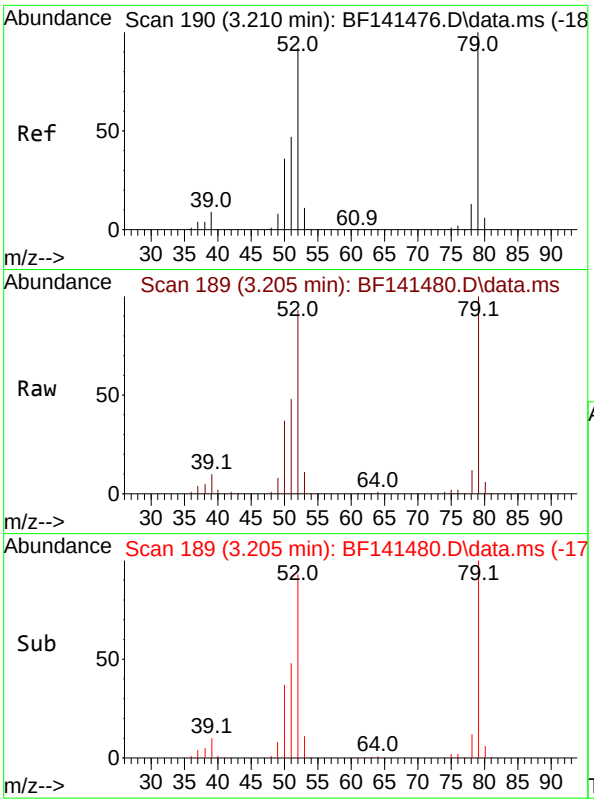


#2
1,4-Dioxane
Concen: 40.369 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 88 Resp: 93282

Ion	Ratio	Lower	Upper
88	100		
58	89.1	71.1	106.7
43	39.4	30.6	46.0



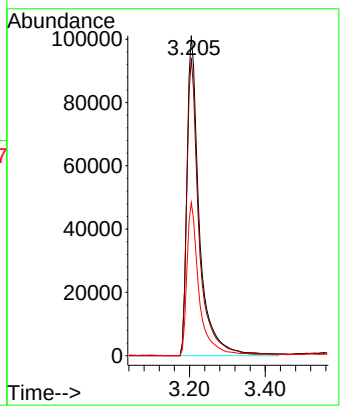


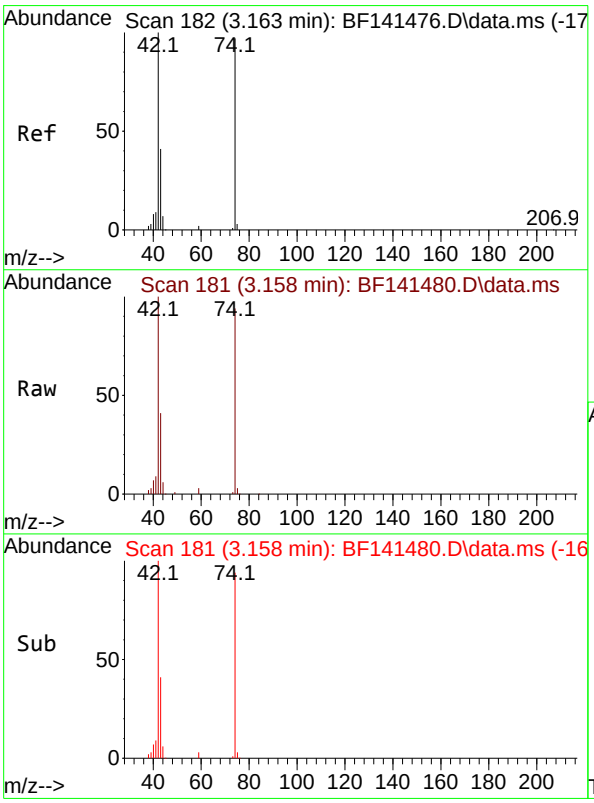
#3
Pyridine
Concen: 41.938 ng
RT: 3.205 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 79 Resp: 230604

Ion	Ratio	Lower	Upper
79	100		
52	93.1	73.7	110.5
51	47.8	37.5	56.3

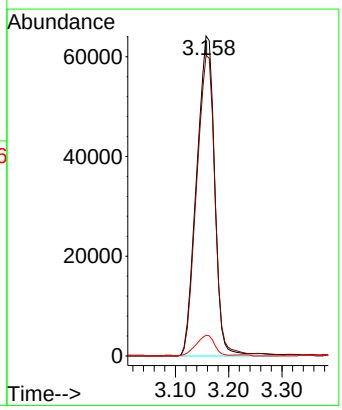


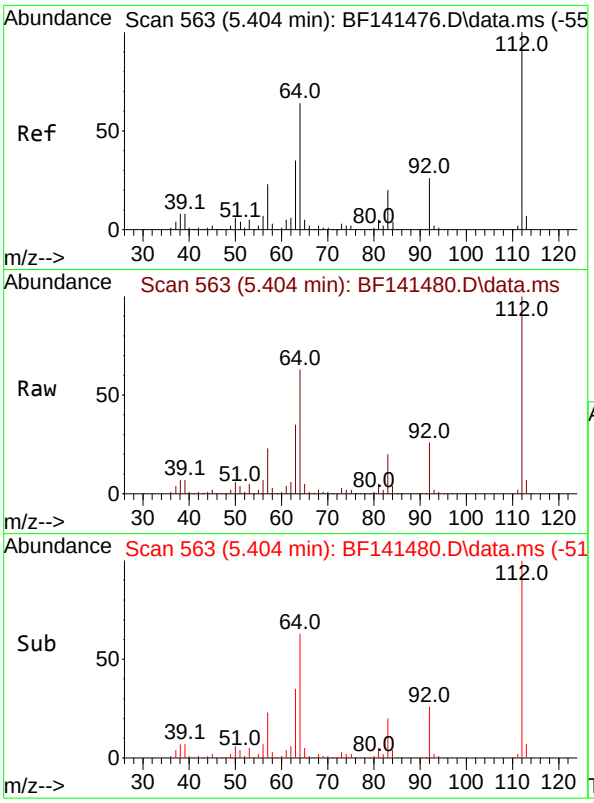


#4
n-Nitrosodimethylamine
Concen: 41.653 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 42 Resp: 151656

Ion	Ratio	Lower	Upper
42	100		
74	94.0	78.0	117.0
44	6.5	5.4	8.2



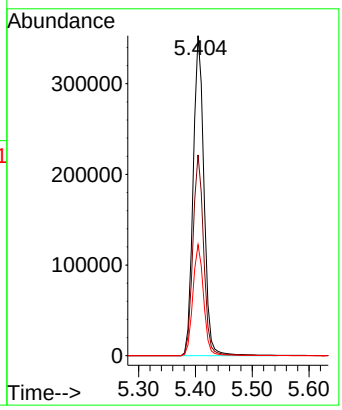


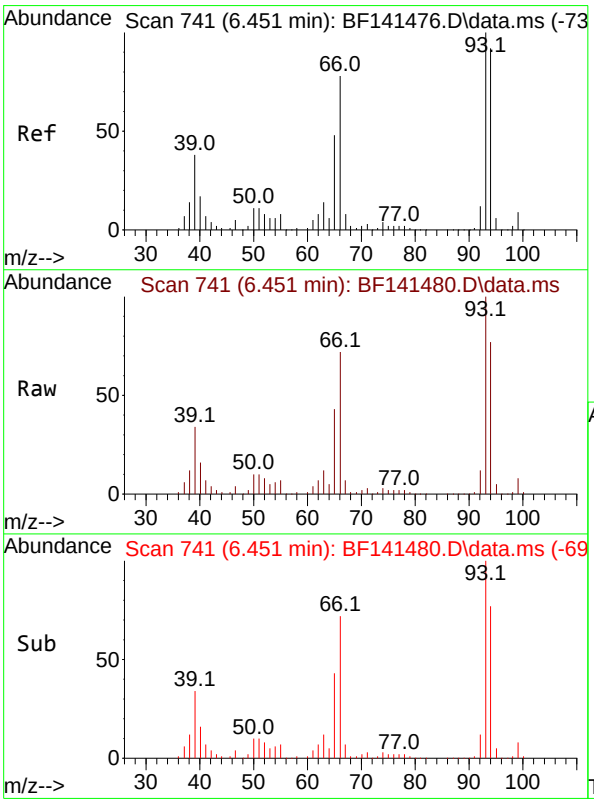
#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:112 Resp: 470176

Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.1	76.7
63	34.7	28.4	42.6

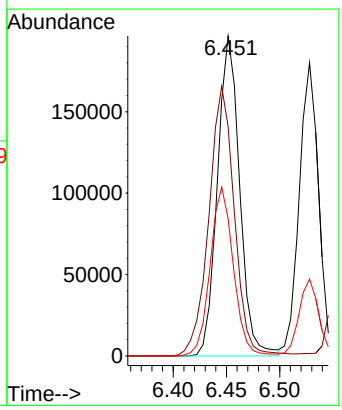


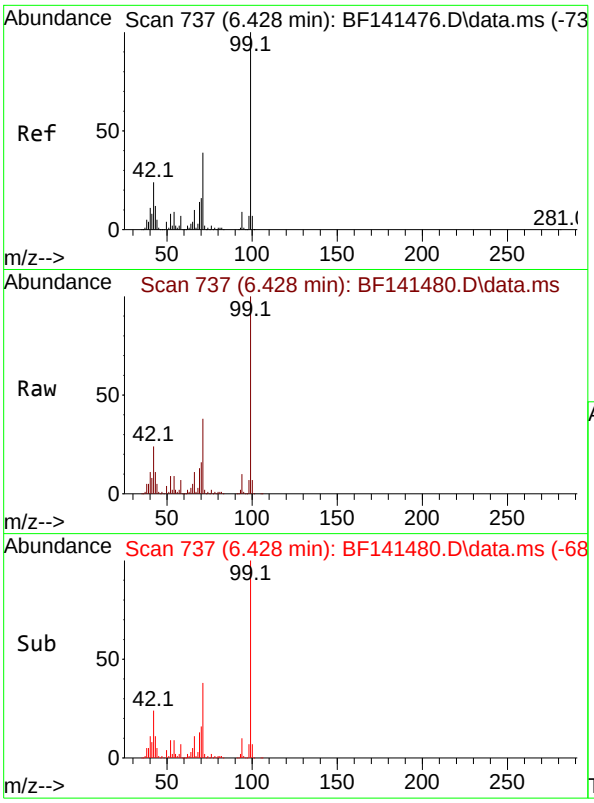


#6
Aniline
Concen: 41.834 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 284762

Ion	Ratio	Lower	Upper
93	100		
66	71.6	62.6	94.0
65	42.9	38.3	57.5



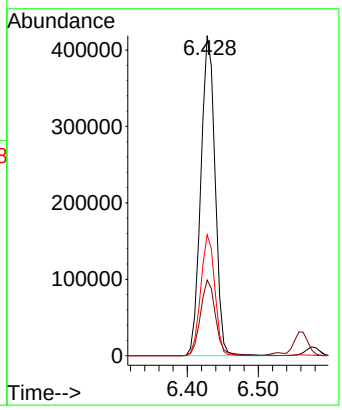


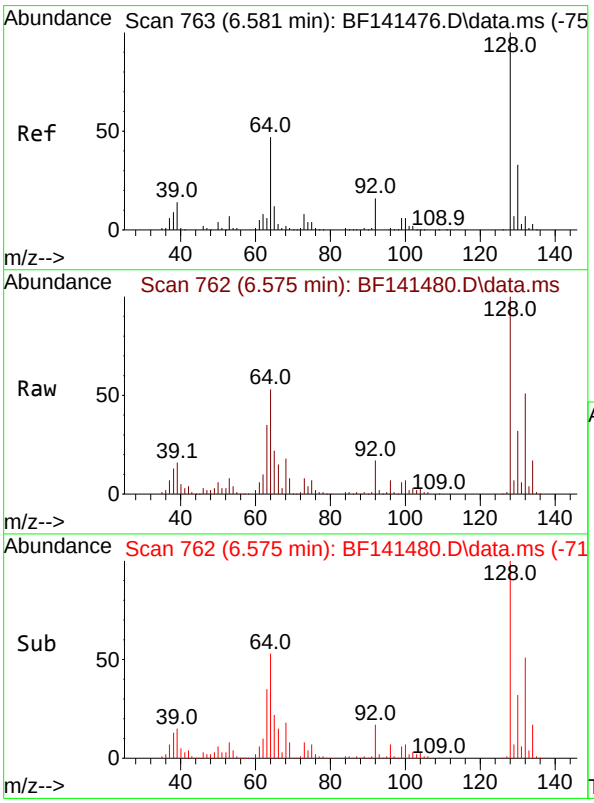
#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 99 Resp: 586892

Ion	Ratio	Lower	Upper
99	100		
42	23.7	19.1	28.7
71	37.8	31.1	46.7

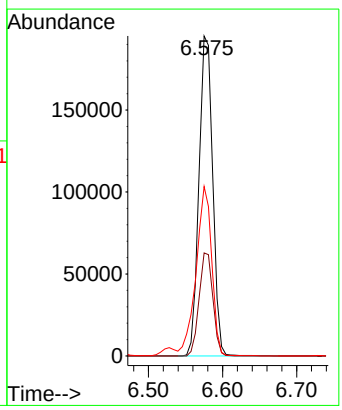


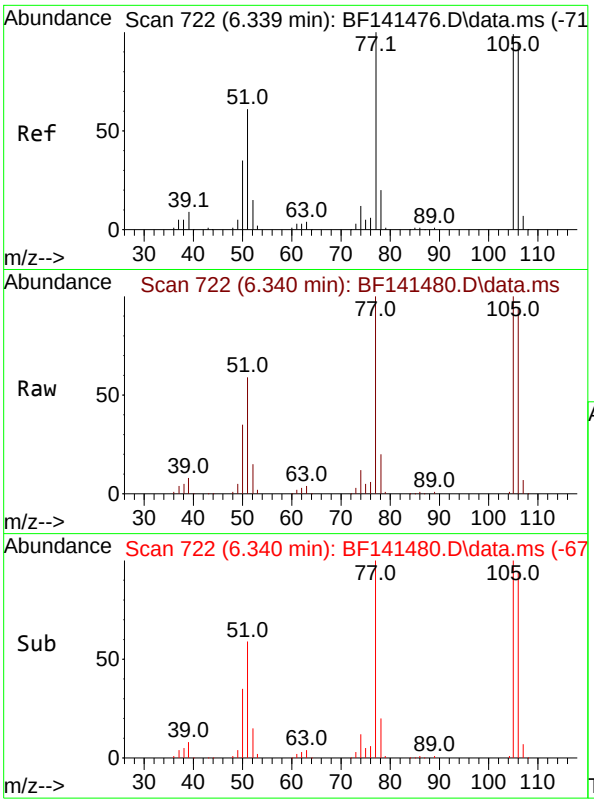


#8
2-Chlorophenol
Concen: 40.527 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:128 Resp: 251415

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	52.9	28.3	68.3



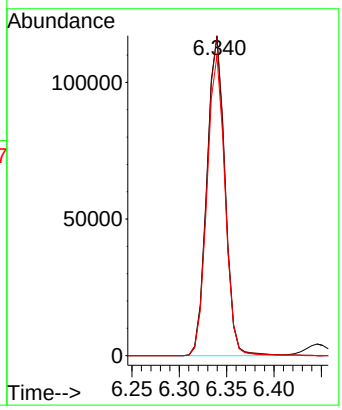


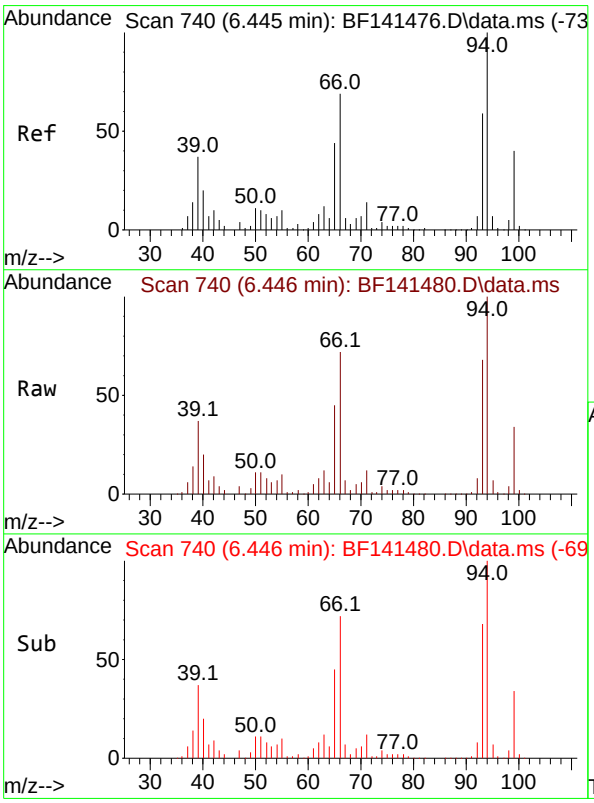
#9
Benzaldehyde
Concen: 40.105 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 77 Resp: 154649

Ion	Ratio	Lower	Upper
77	100		
105	100.4	79.4	119.4
106	94.1	75.1	115.1

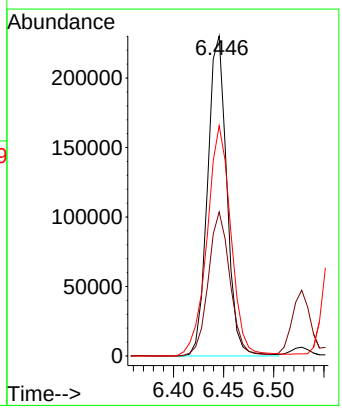


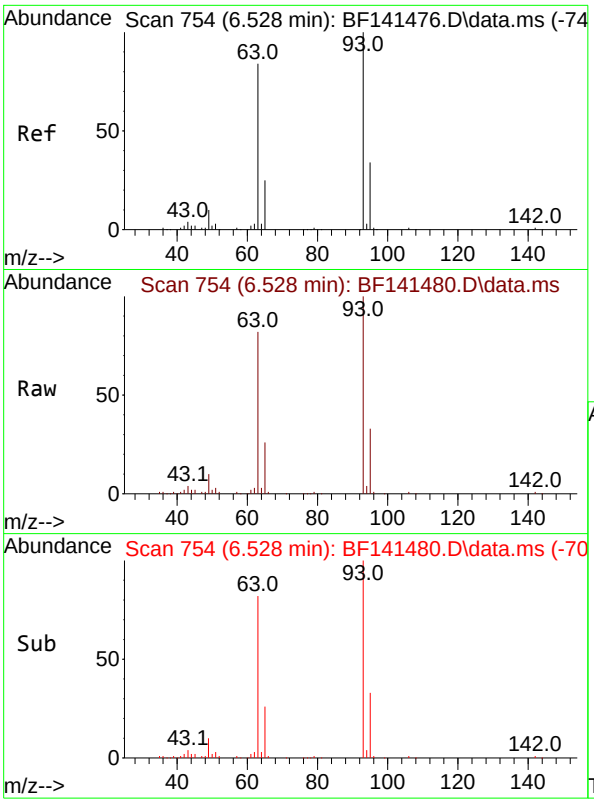


#10
Phenol
Concen: 40.615 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 94 Resp: 306753

Ion	Ratio	Lower	Upper
94	100		
65	45.0	23.7	63.7
66	71.9	49.3	89.3



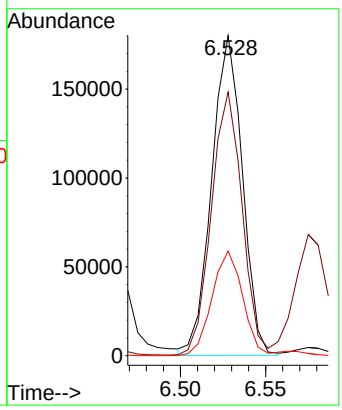


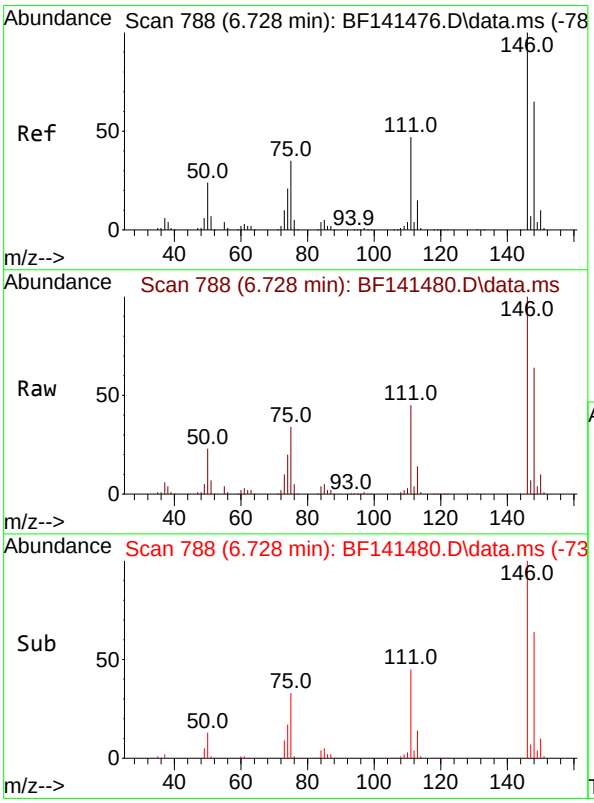
#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 93 Resp: 226152

Ion	Ratio	Lower	Upper
93	100		
63	82.4	62.0	102.0
95	32.7	12.6	52.6

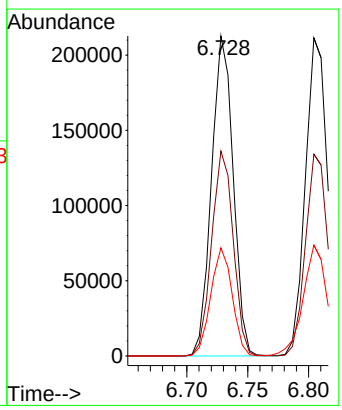


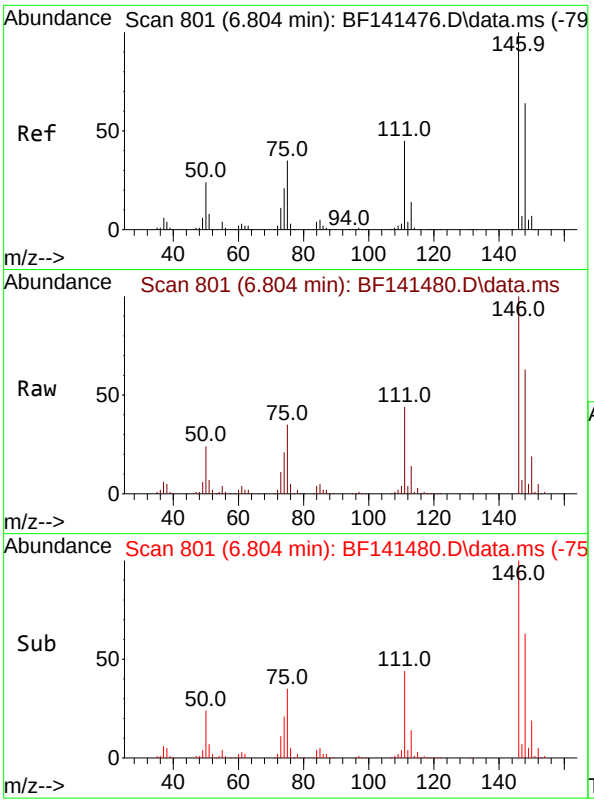


#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:146 Resp: 264052

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	33.8	28.2	42.2



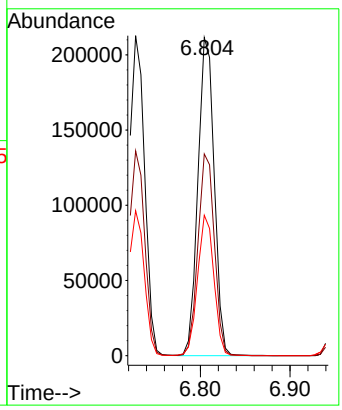


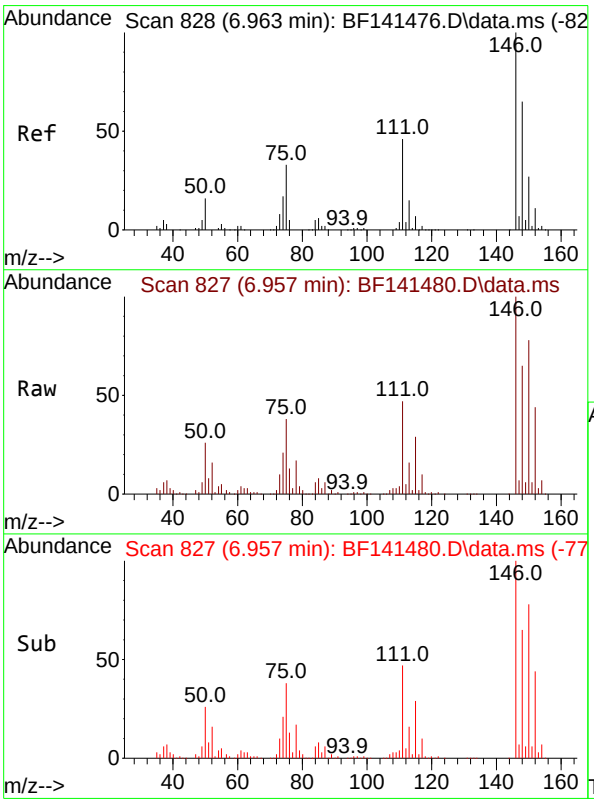
#13
1,4-Dichlorobenzene
Concen: 39.911 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:146 Resp: 267068

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.9	76.3
111	44.2	35.9	53.9

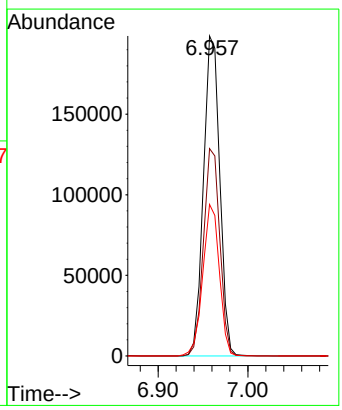


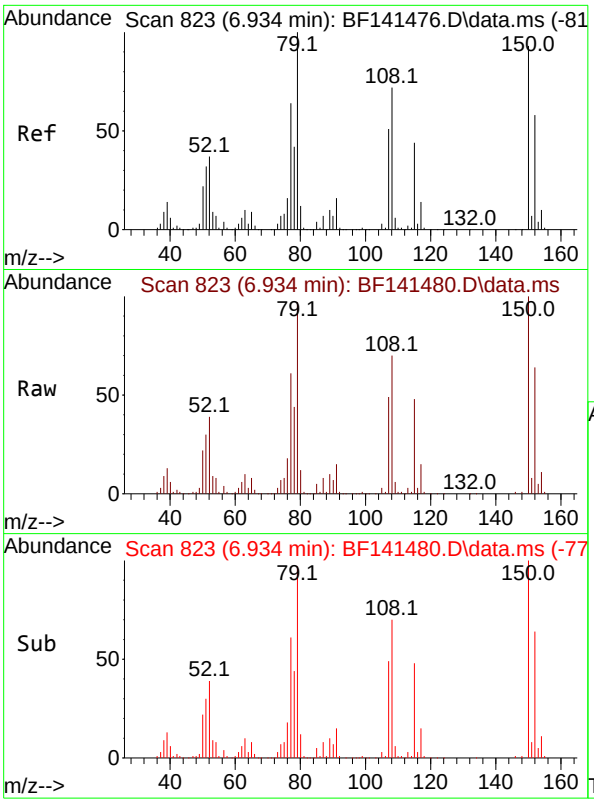


#14
1,2-Dichlorobenzene
Concen: 40.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:146 Resp: 250623

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
111	47.4	37.0	55.4



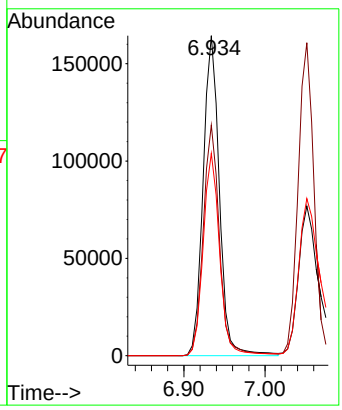


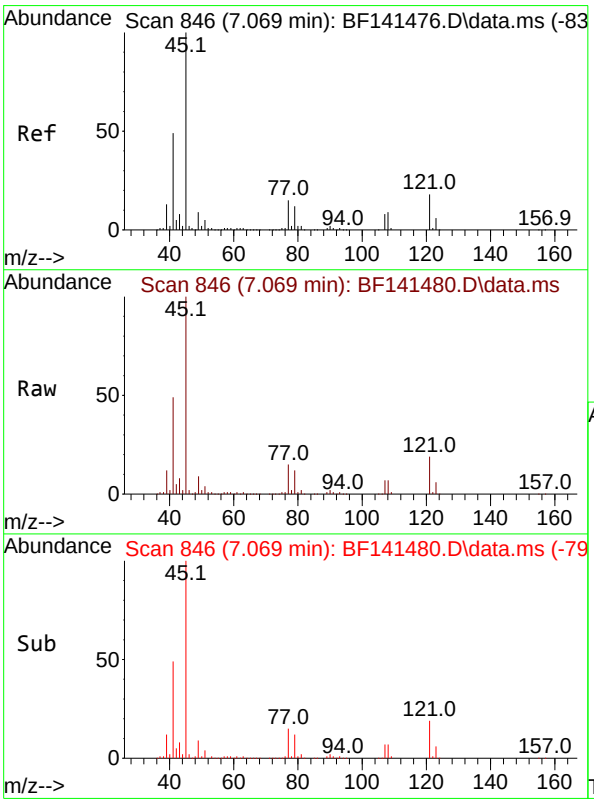
#15
Benzyl Alcohol
Concen: 41.041 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 79 Resp: 228379

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.4	86.2
77	63.2	50.9	76.3

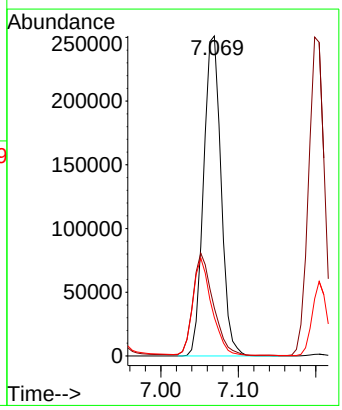


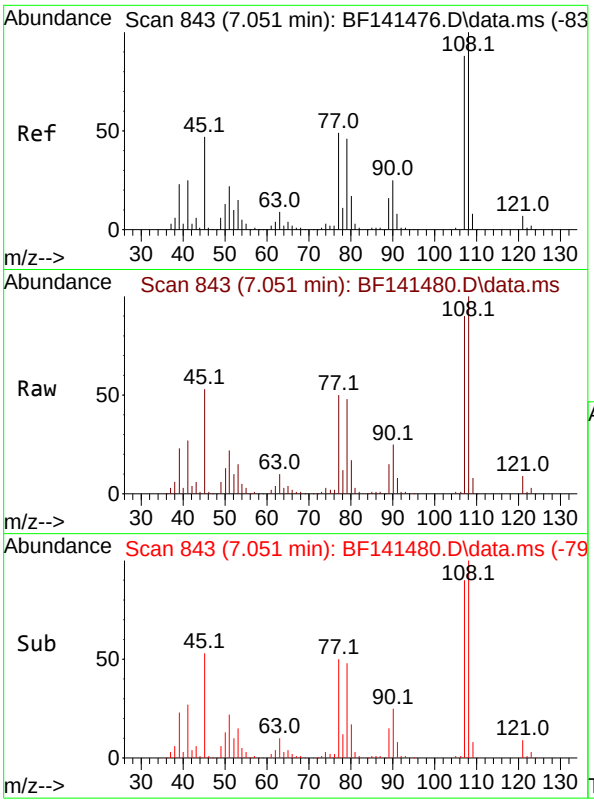


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.535 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 45 Resp: 393626

Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	35.8
79	12.0	0.0	32.7



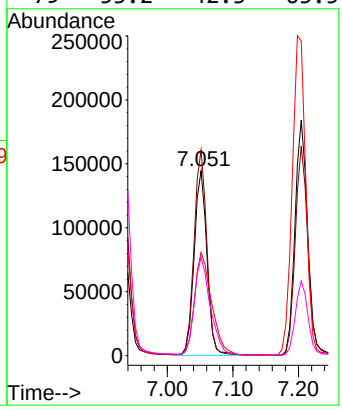


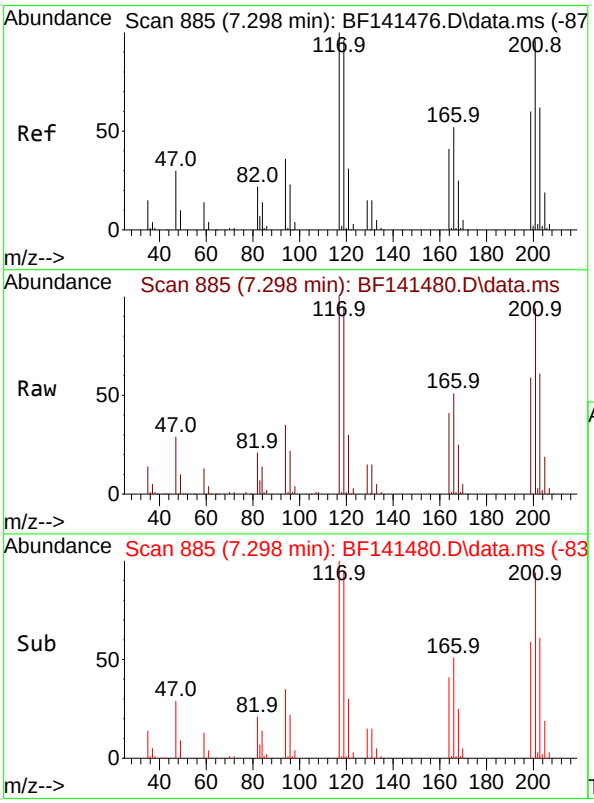
#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:107 Resp: 197905

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	136.0
77	55.8	44.4	66.6
79	53.2	42.3	63.5

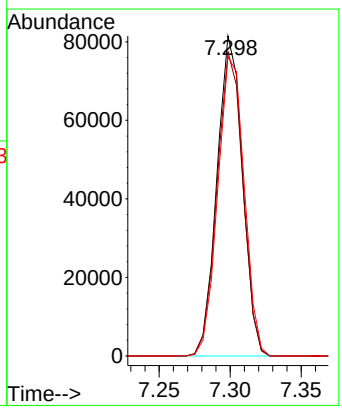


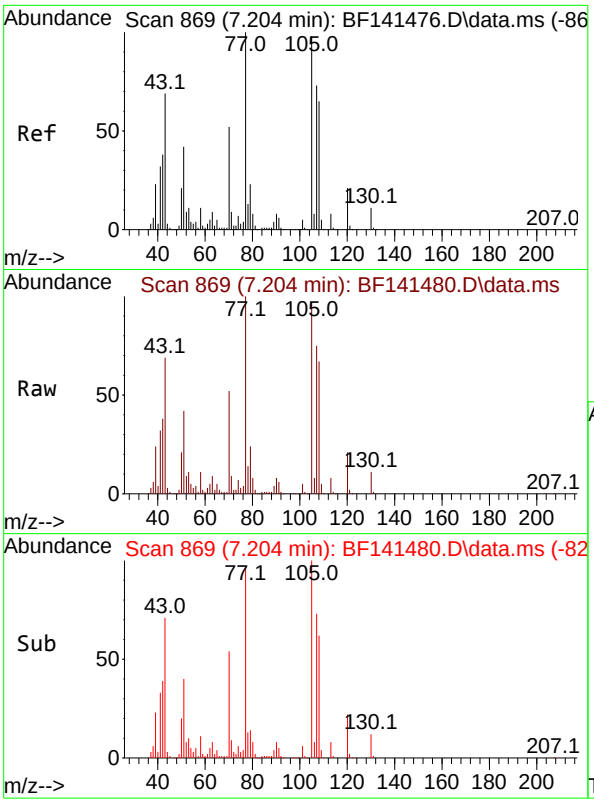


#18
Hexachloroethane
Concen: 41.061 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:117 Resp: 101687

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
201	93.5	76.7	115.1



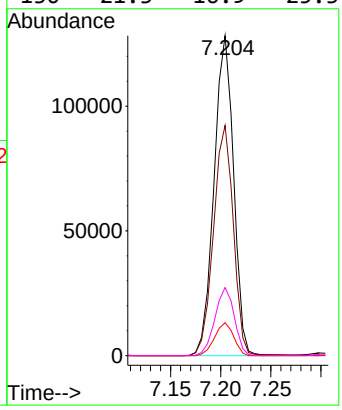


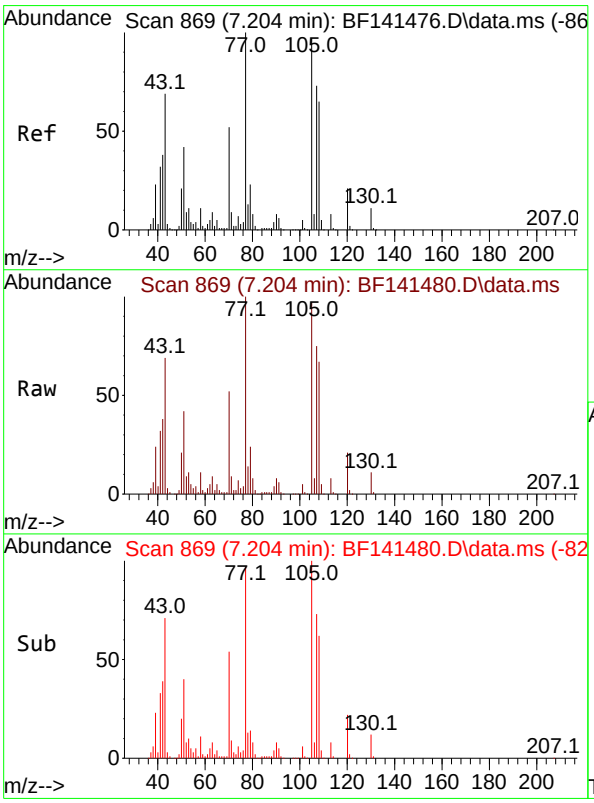
#19
n-Nitroso-di-n-propylamine
Concen: 40.048 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 70 Resp: 173832

Ion	Ratio	Lower	Upper
70	100		
42	72.0	57.4	86.2
101	10.3	8.0	12.0
130	21.3	16.9	25.3

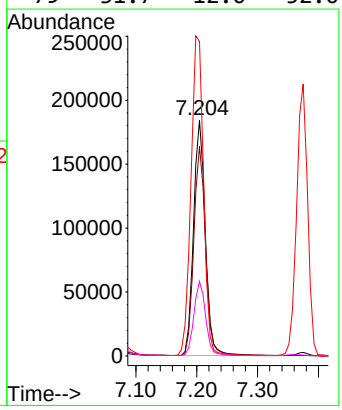


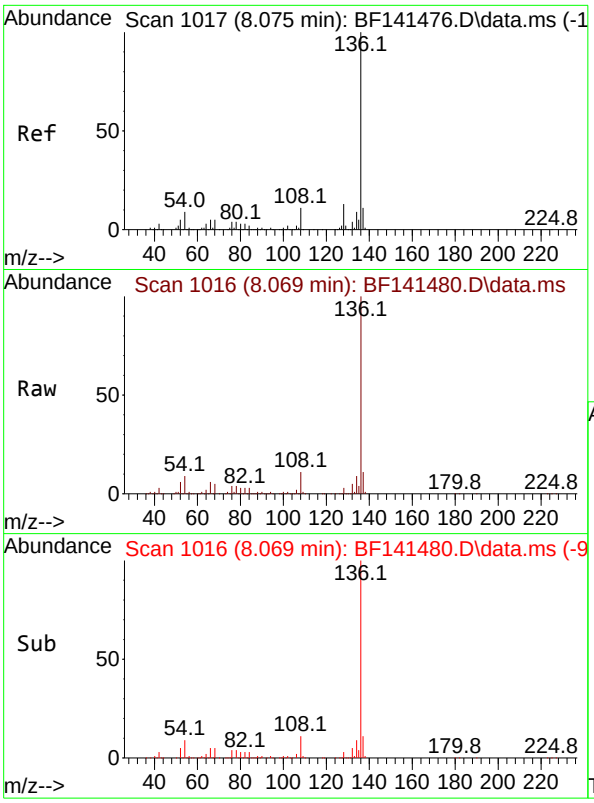


#20
3+4-Methylphenols
Concen: 40.073 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:107 Resp: 247254

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	133.5	116.5	156.5
79	31.7	12.0	52.0



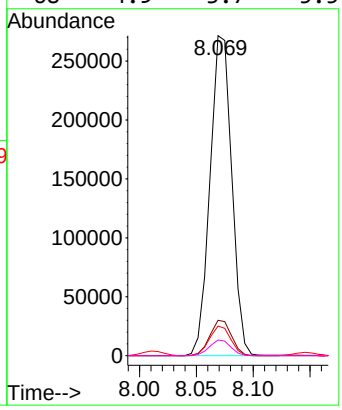


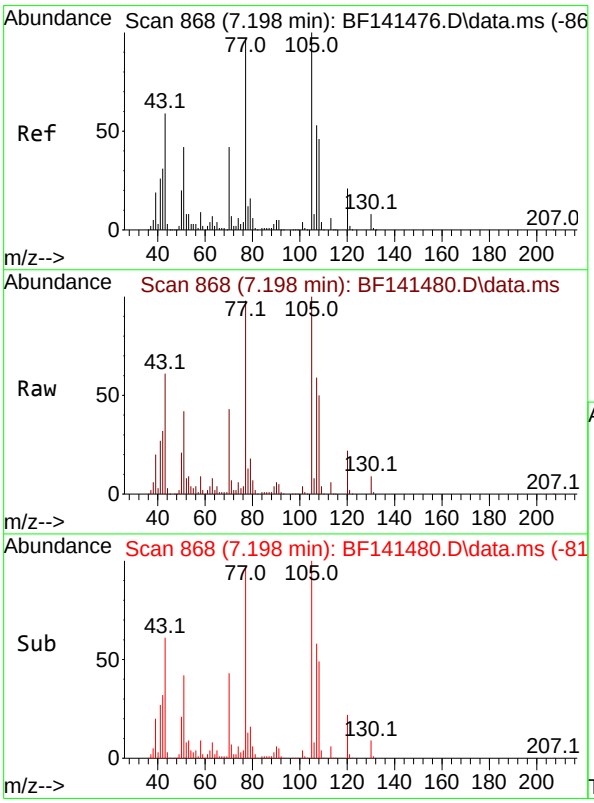
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:136 Resp: 362467

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	7.2	10.8
68	4.9	3.7	5.5

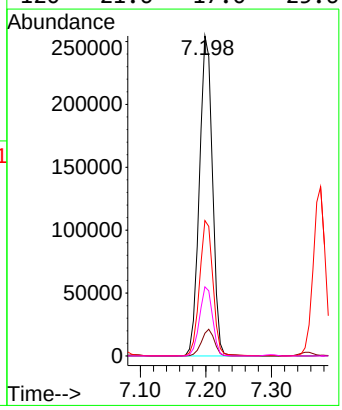


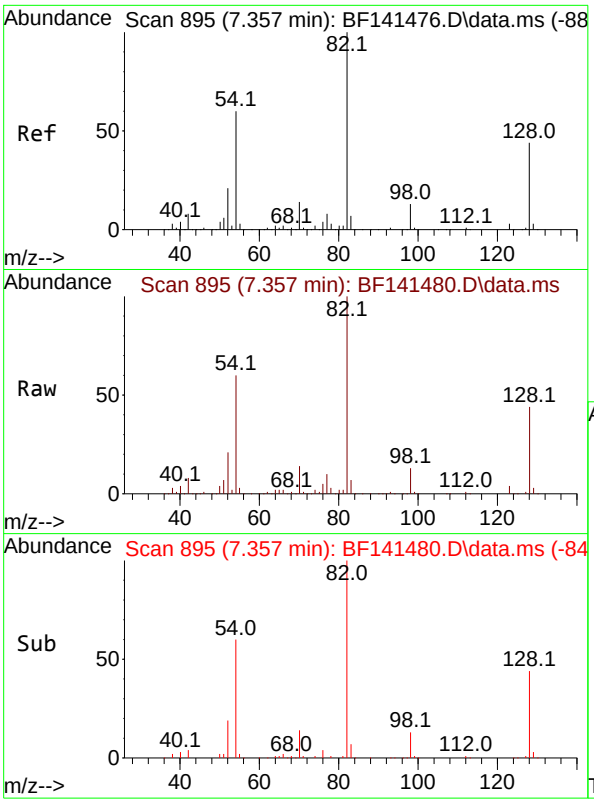


#22
Acetophenone
Concen: 39.246 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:105 Resp: 353867

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	42.3	33.7	50.5
120	21.6	17.0	25.6



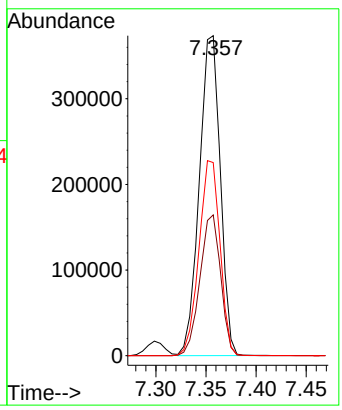


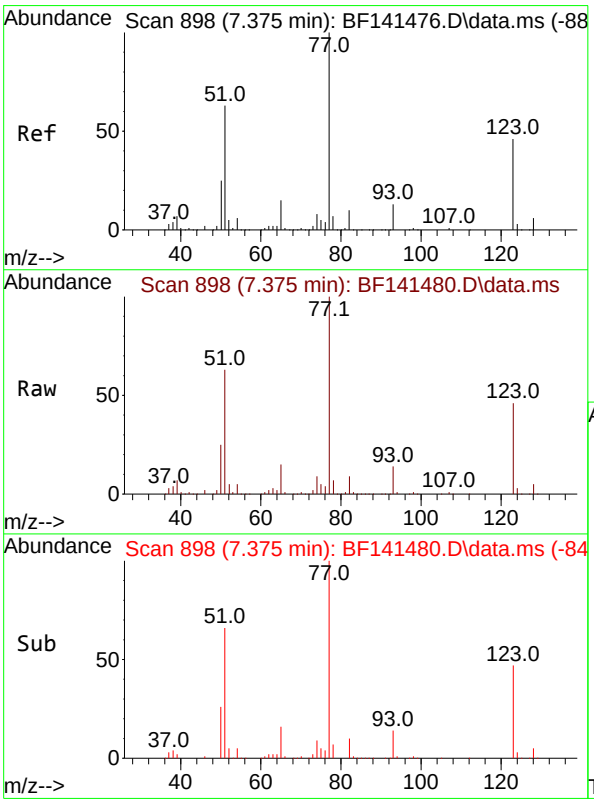
#23
Nitrobenzene-d5
Concen: 78.369 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 82 Resp: 544613

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	60.4	48.2	72.4

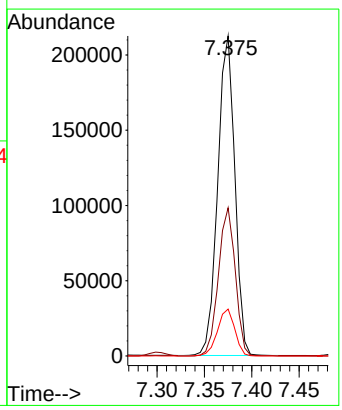


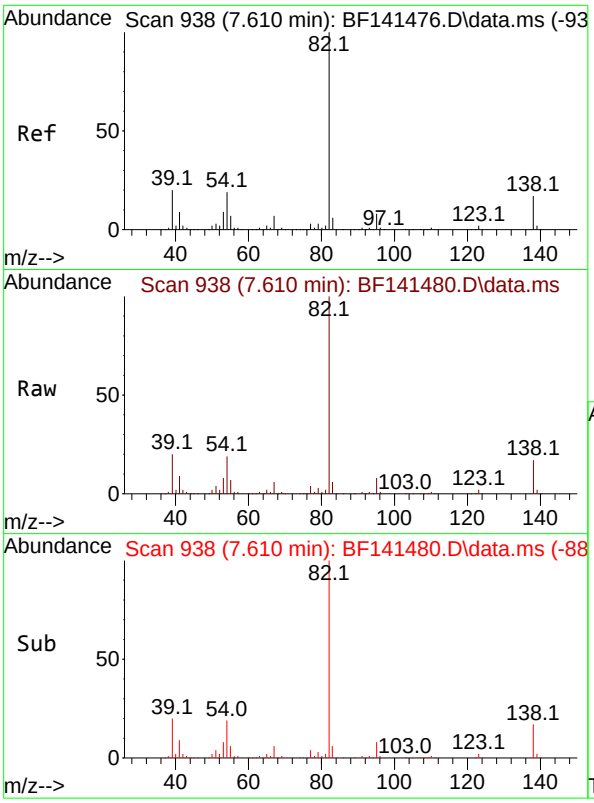


#24
Nitrobenzene
Concen: 39.429 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 77 Resp: 267193

Ion	Ratio	Lower	Upper
77	100		
123	46.3	36.9	55.3
65	14.6	11.9	17.9



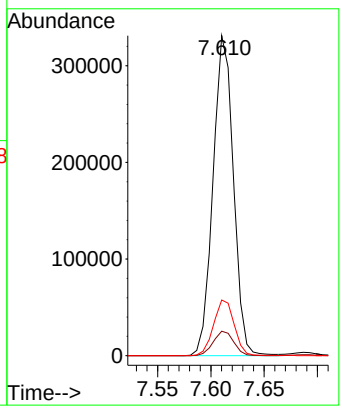


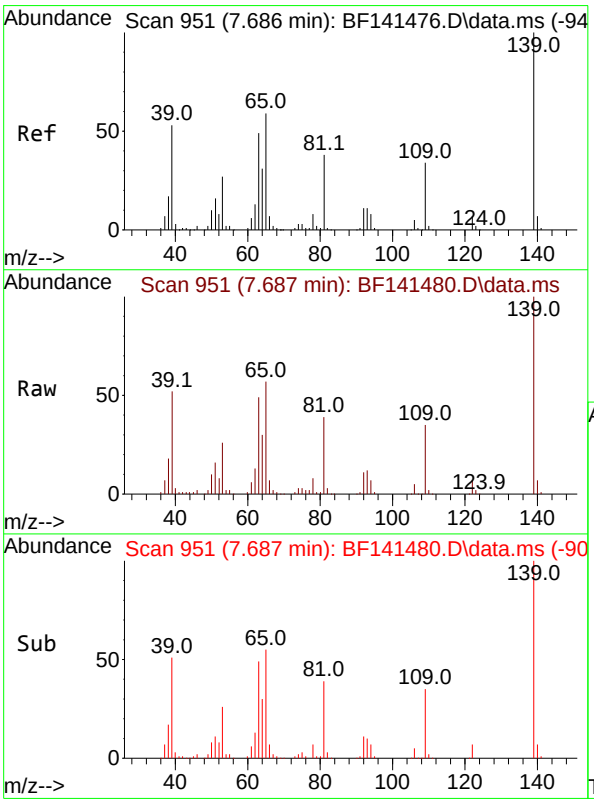
#25
Isophorone
Concen: 39.767 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 82 Resp: 440640

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	17.4	13.9	20.9

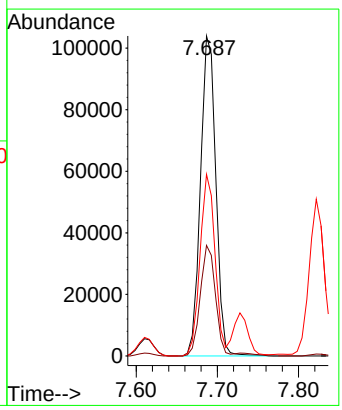


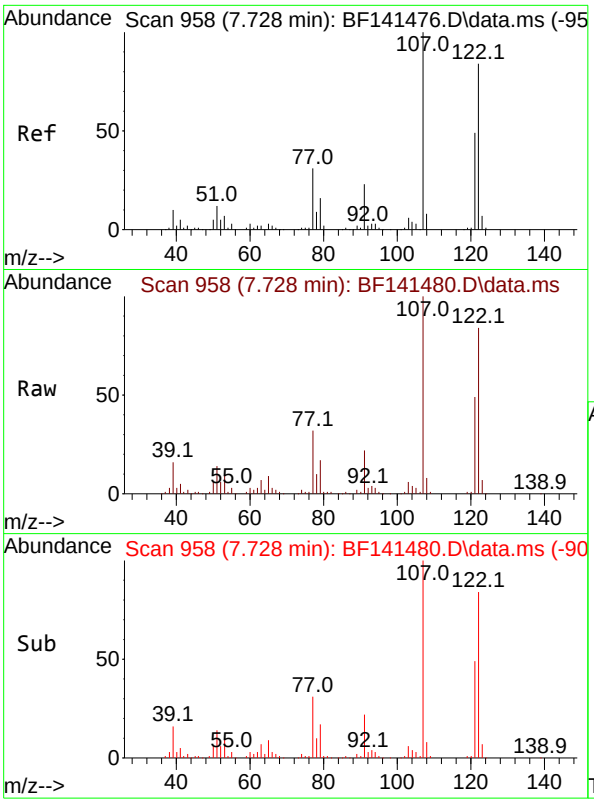


#26
2-Nitrophenol
Concen: 40.413 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:139 Resp: 136248

Ion	Ratio	Lower	Upper
139	100		
109	34.6	27.0	40.6
65	56.7	47.1	70.7



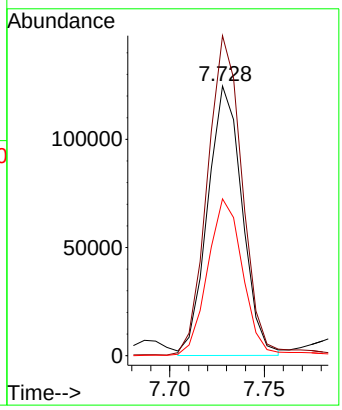


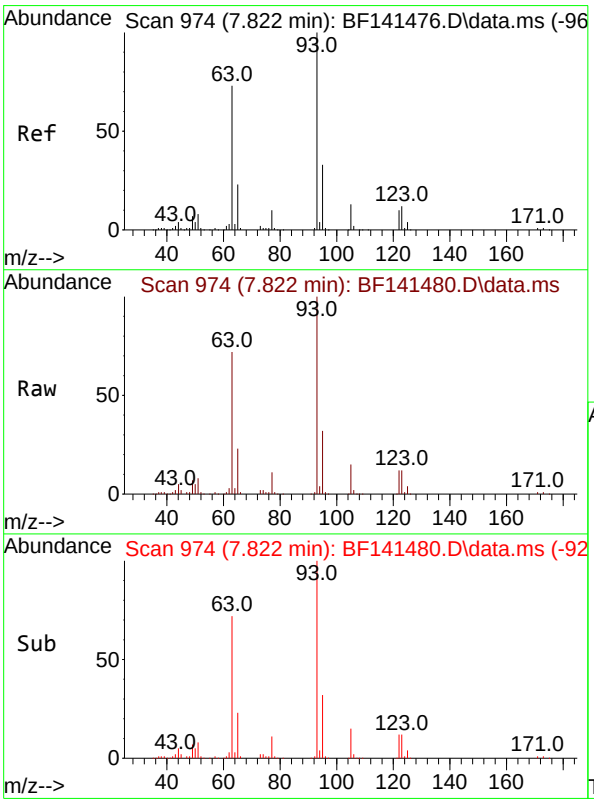
#27
2,4-Dimethylphenol
Concen: 39.924 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:122 Resp: 157242

Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.2	46.0	69.0

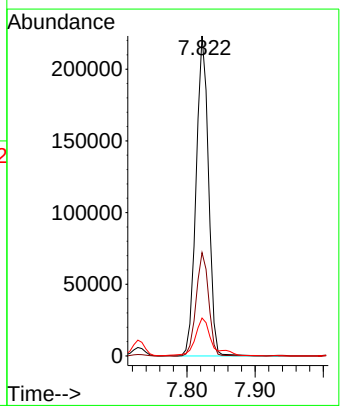


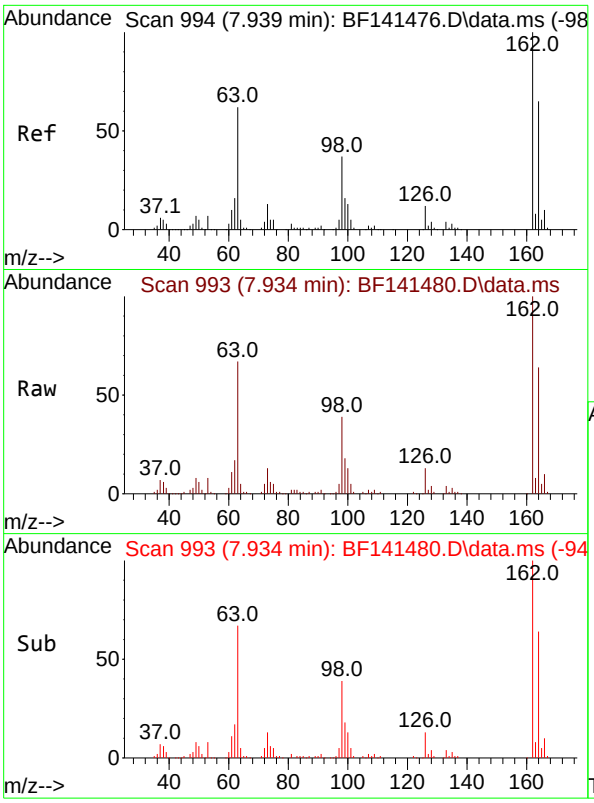


#28
bis(2-Chloroethoxy)methane
Concen: 39.822 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 93 Resp: 282744

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.1	39.1
123	11.9	9.5	14.3



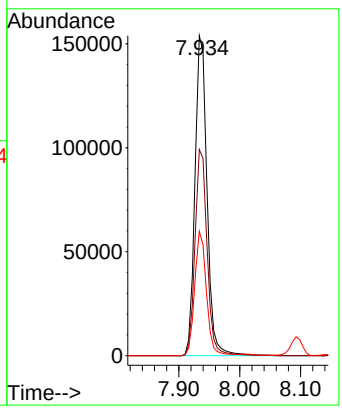


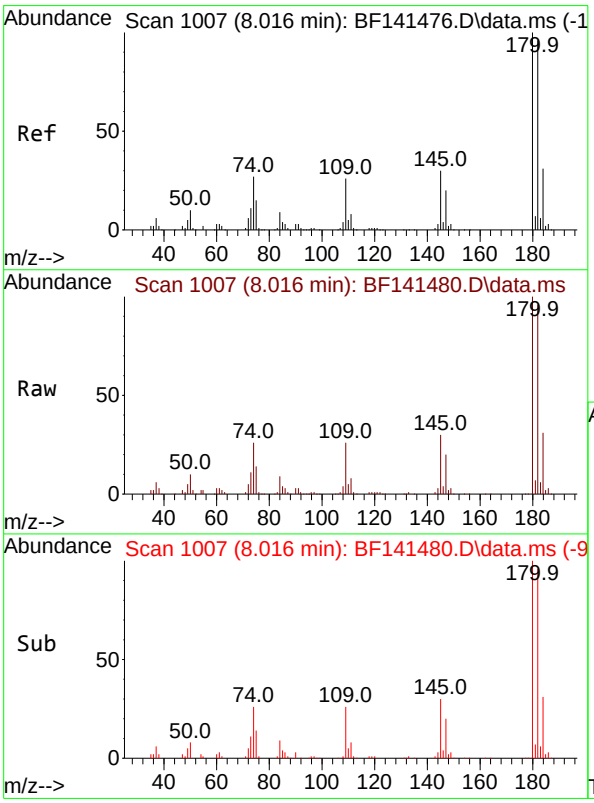
#29
2,4-Dichlorophenol
Concen: 39.818 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:162 Resp: 211891

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	38.9	17.2	57.2

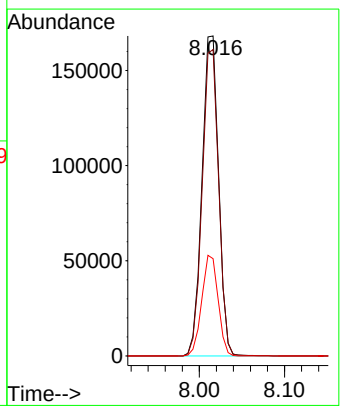


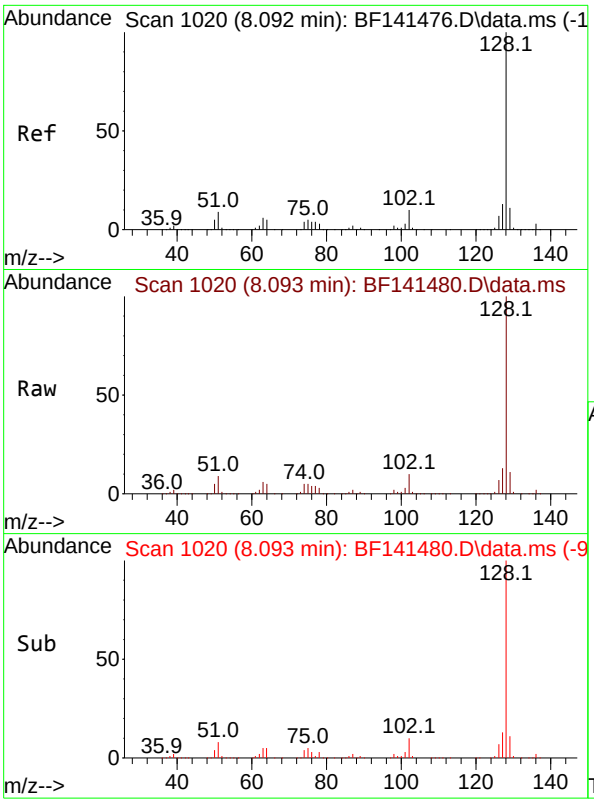


#30
1,2,4-Trichlorobenzene
Concen: 39.237 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:180 Resp: 227379

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	30.4	24.2	36.4



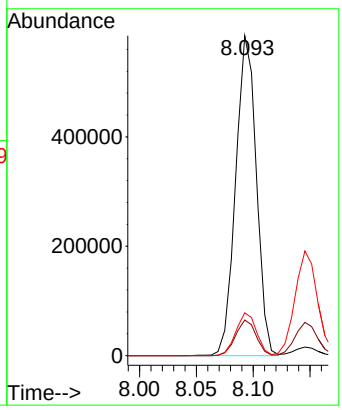


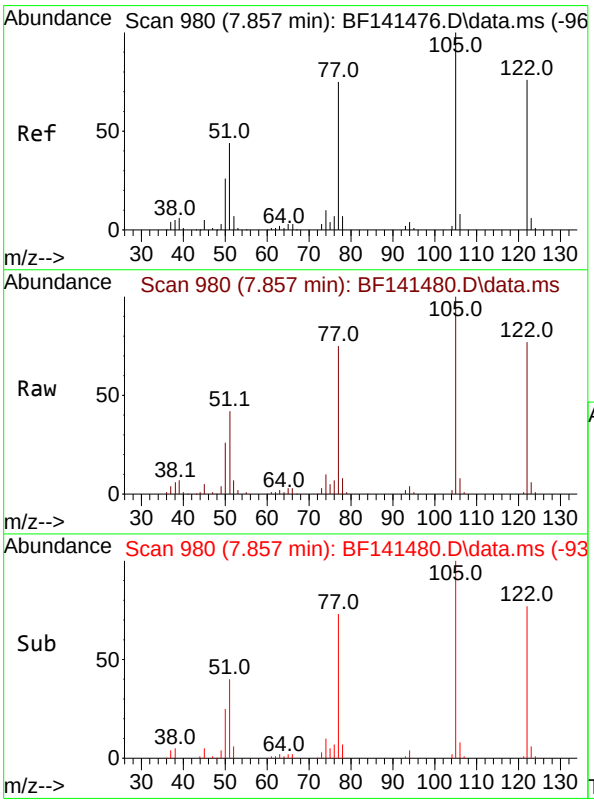
#31
Naphthalene
Concen: 39.287 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:128 Resp: 741255

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

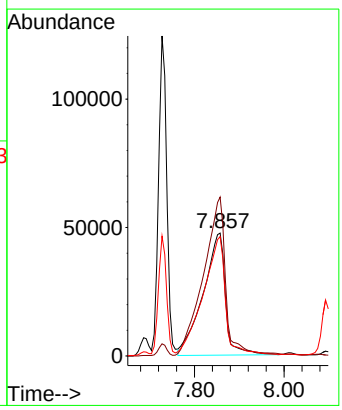


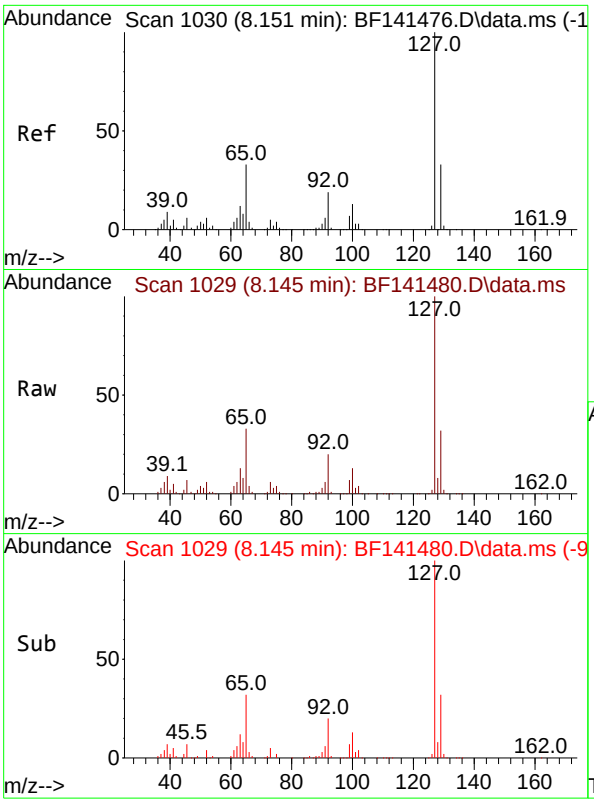


#32
Benzoic acid
Concen: 40.324 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:122 Resp: 164966

Ion	Ratio	Lower	Upper
122	100		
105	129.3	106.5	146.5
77	97.2	76.3	116.3



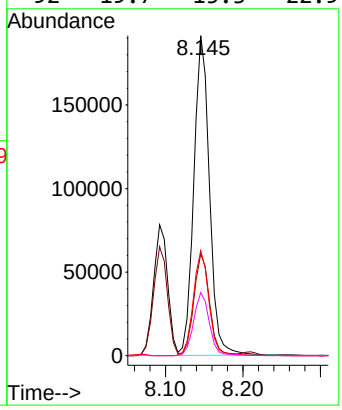


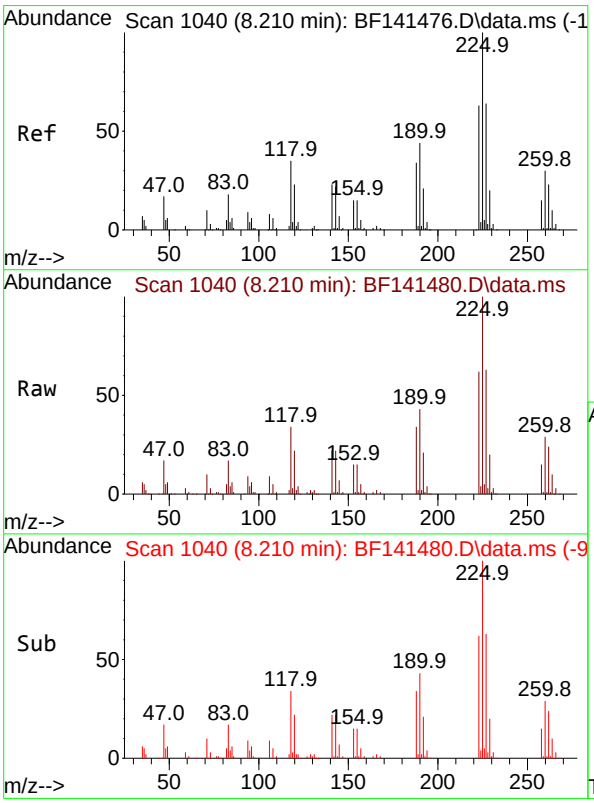
#33
4-Chloroaniline
Concen: 40.680 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:127 Resp: 267977

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	32.9	26.4	39.6
92	19.7	15.3	22.9

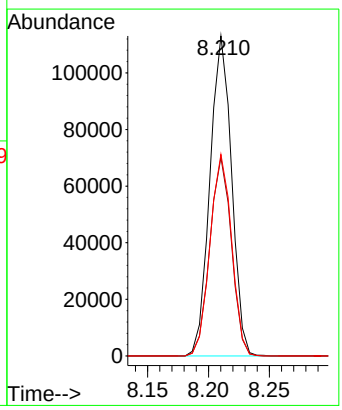


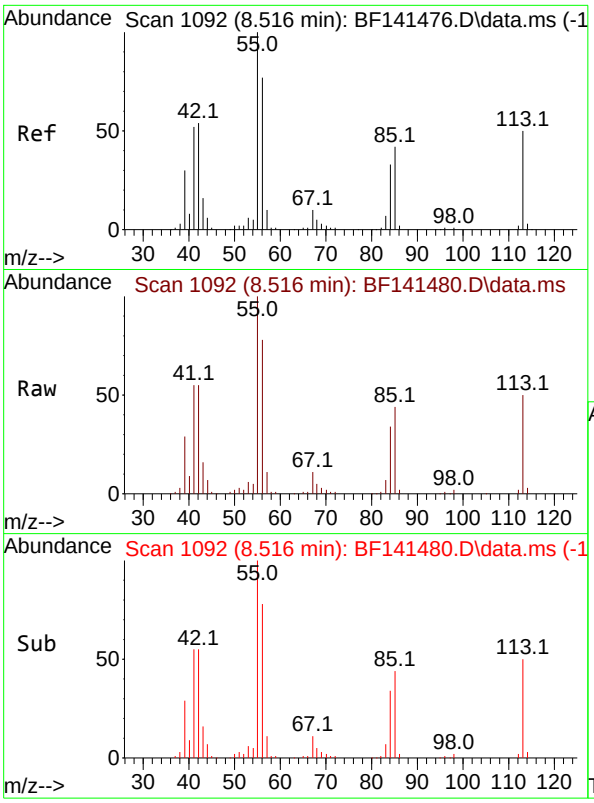


#34
Hexachlorobutadiene
Concen: 40.144 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:225 Resp: 139658

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.1	75.1
227	63.0	51.0	76.6



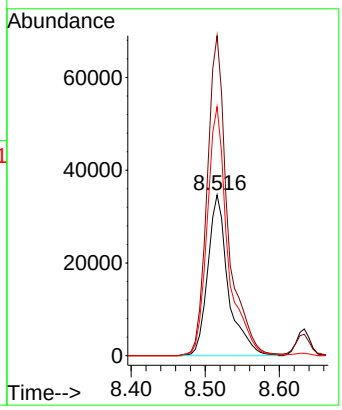


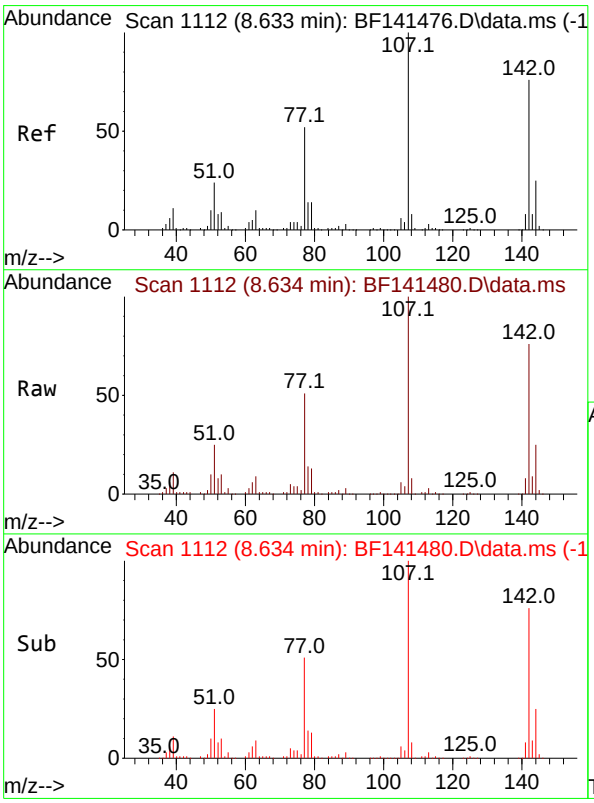
#35
Caprolactam
Concen: 41.104 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:113 Resp: 66599

Ion	Ratio	Lower	Upper
113	100		
55	199.0	180.8	220.8
56	154.8	133.6	173.6

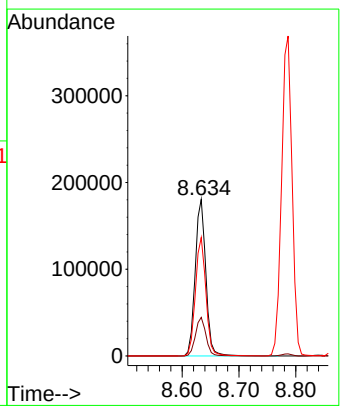


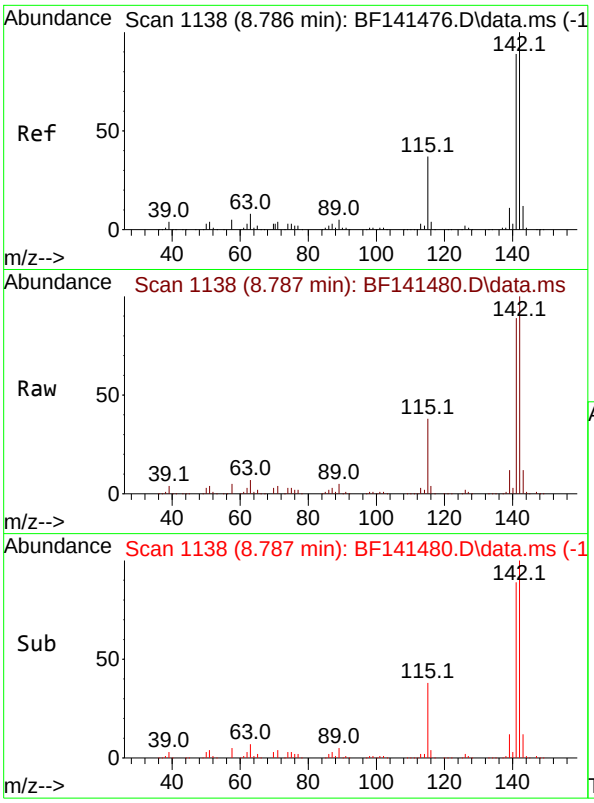


#36
4-Chloro-3-methylphenol
Concen: 40.006 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:107 Resp: 235824

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.7	29.5
142	75.6	60.8	91.2



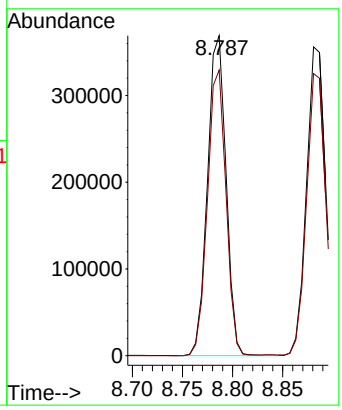


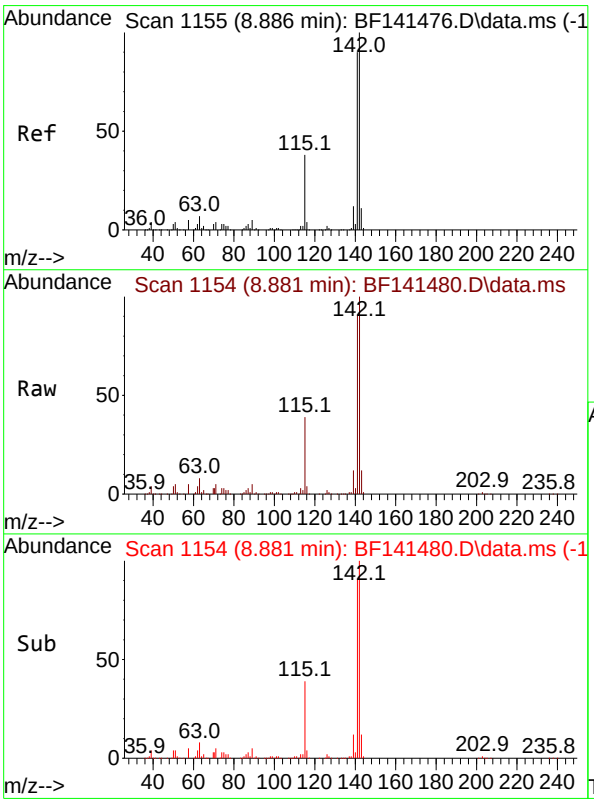
#37
2-Methylnaphthalene
Concen: 38.710 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:142 Resp: 475273

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8

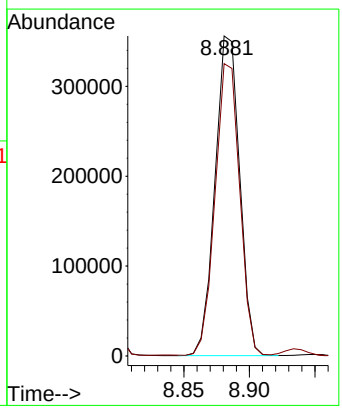


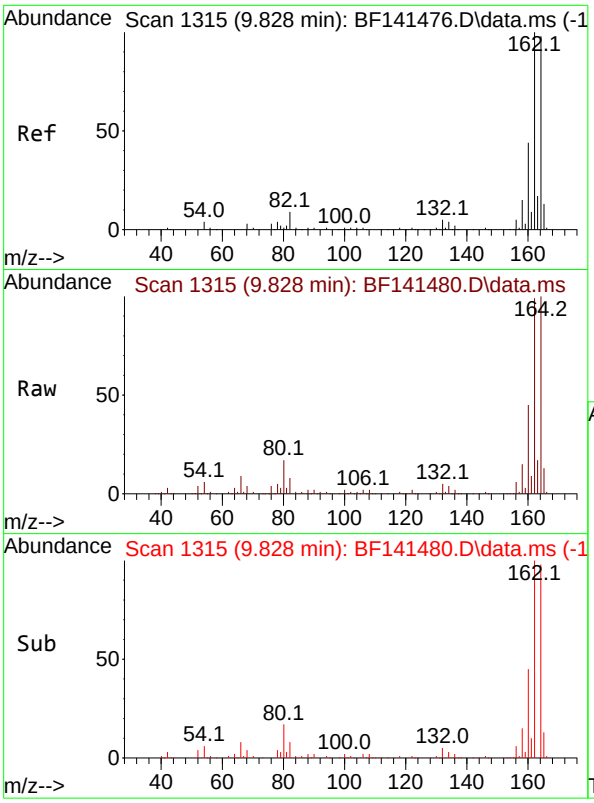


#38
1-Methylnaphthalene
Concen: 39.049 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:142 Resp: 464346

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1



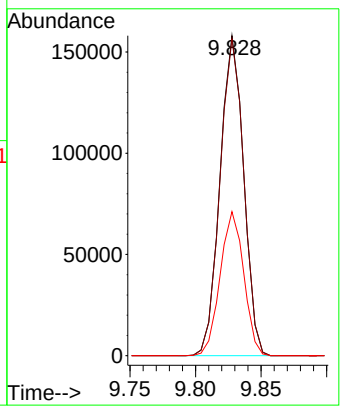


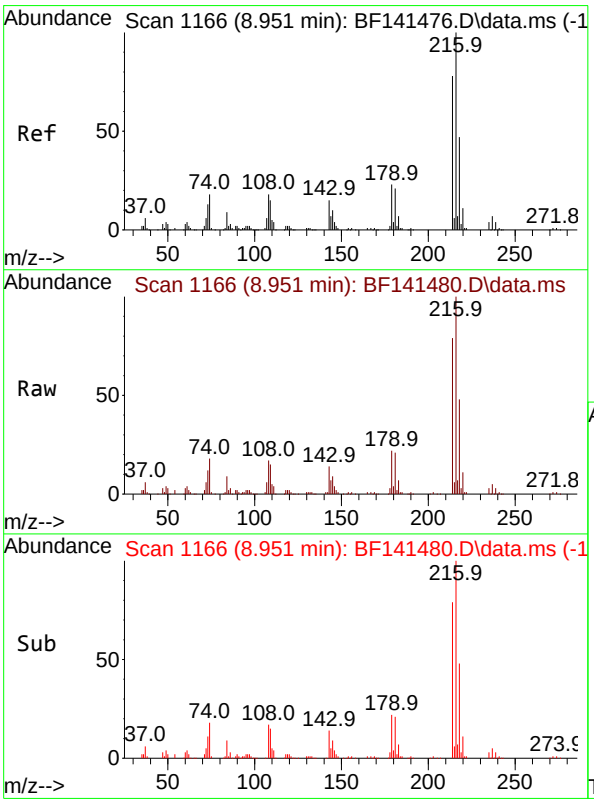
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:164 Resp: 197991

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.3	121.9
160	45.0	35.9	53.9

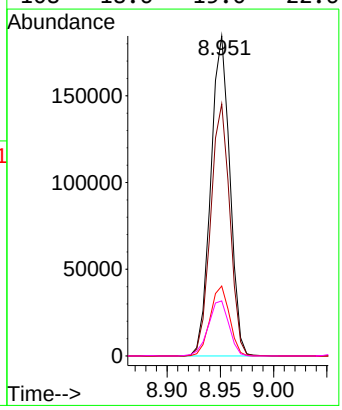


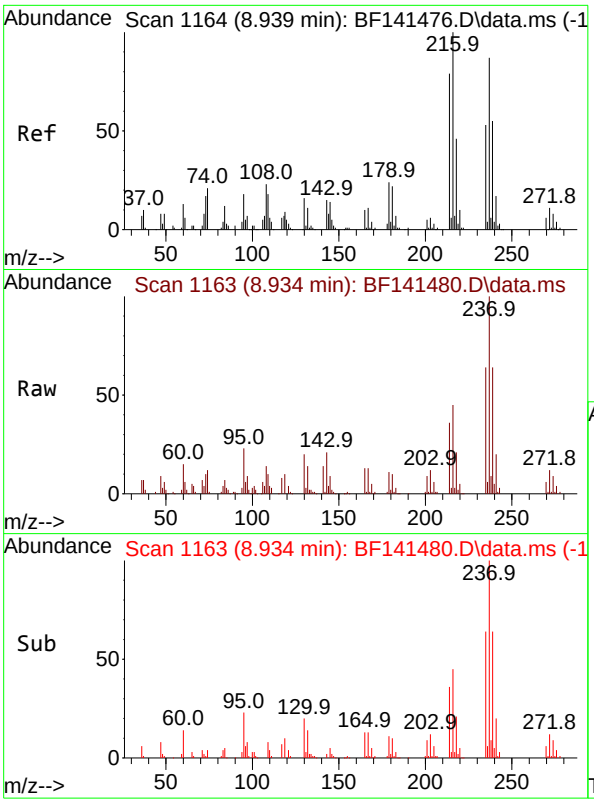


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.182 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:216 Resp: 230166

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.3	93.5
179	22.1	18.0	27.0
108	18.6	15.0	22.6



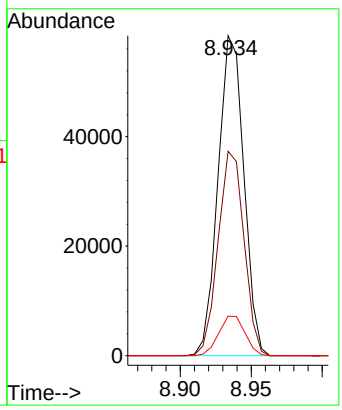


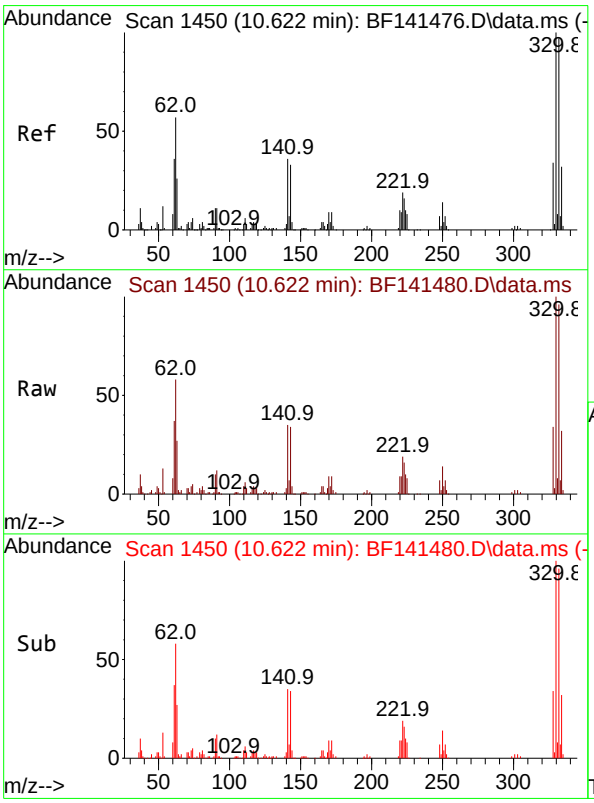
#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:237 Resp: 73834

Ion	Ratio	Lower	Upper
237	100		
235	63.9	41.4	81.4
272	12.4	0.0	32.4

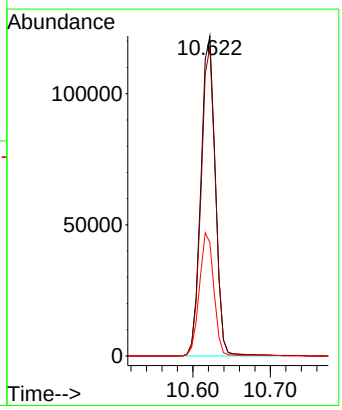


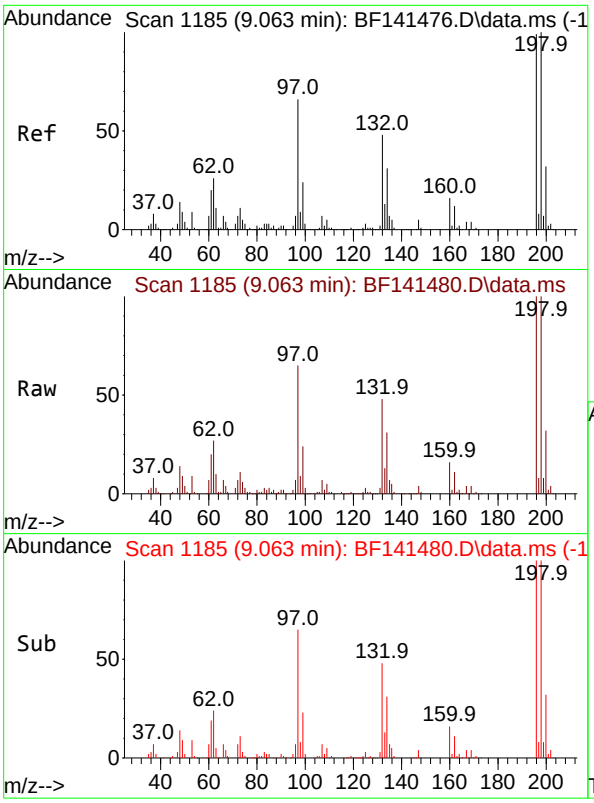


#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:330 Resp: 158098

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.5	117.7
141	38.4	31.0	46.4



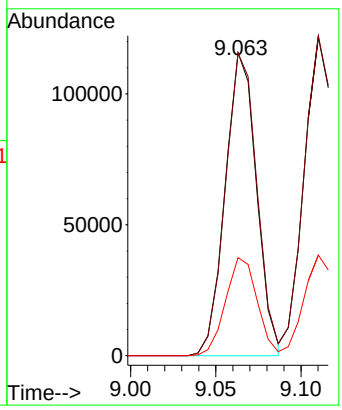


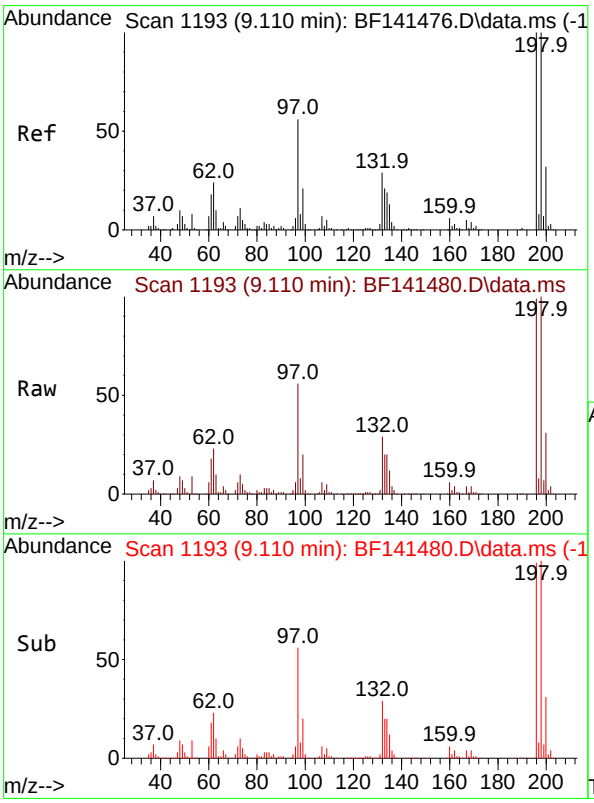
#43
2,4,6-Trichlorophenol
Concen: 39.914 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:196 Resp: 147770

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.6	121.0
200	32.3	25.5	38.3

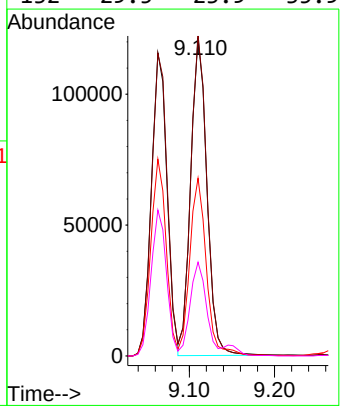


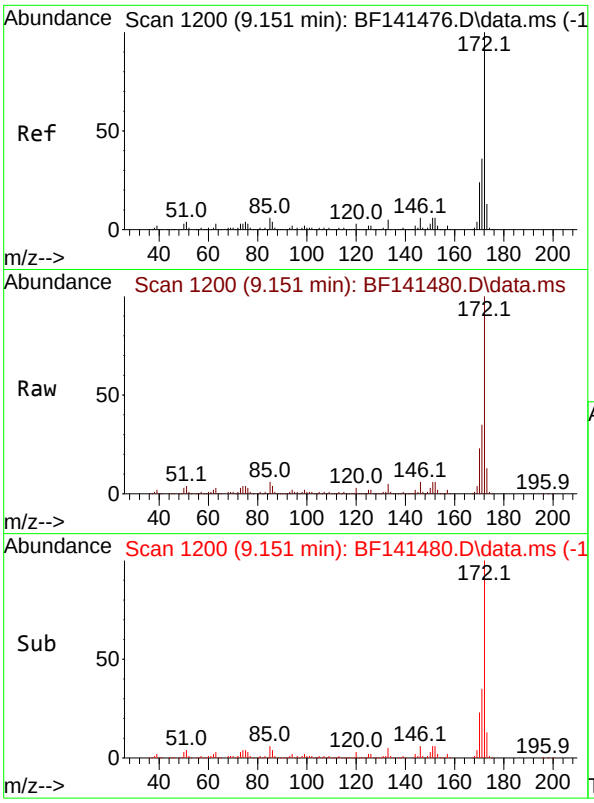


#44
2,4,5-Trichlorophenol
Concen: 40.108 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:196 Resp: 160926

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.8	119.8
97	55.8	44.8	67.2
132	29.5	23.9	35.9



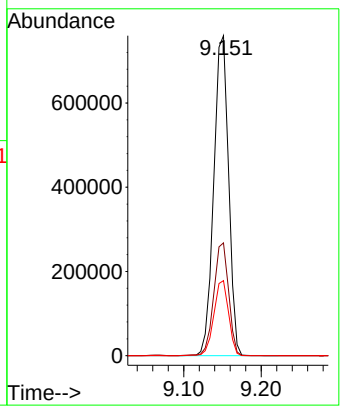


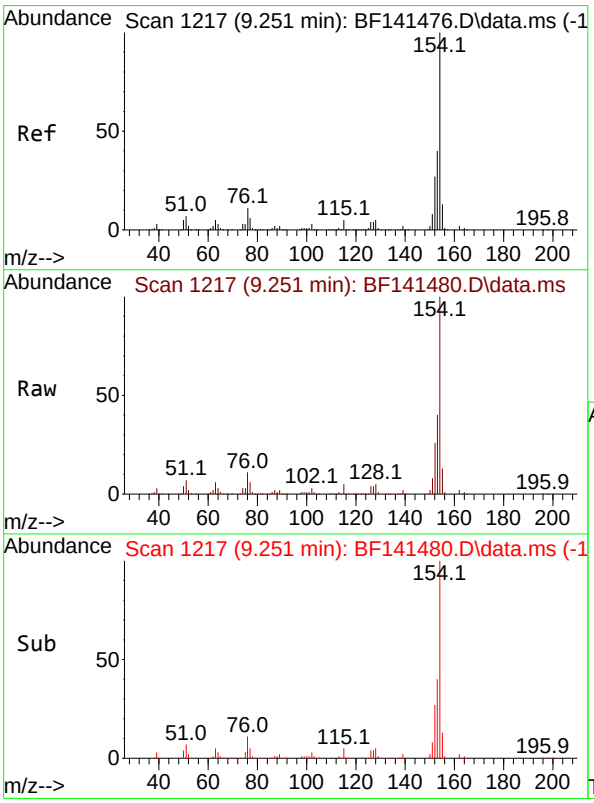
#45
2-Fluorobiphenyl
Concen: 78.786 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:172 Resp: 1012492

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.4	18.9	28.3

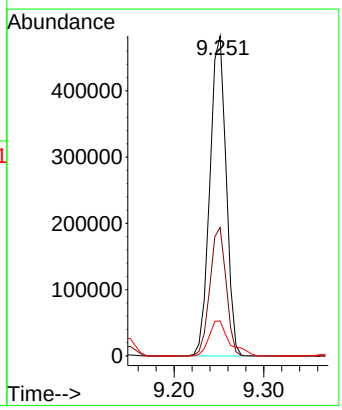


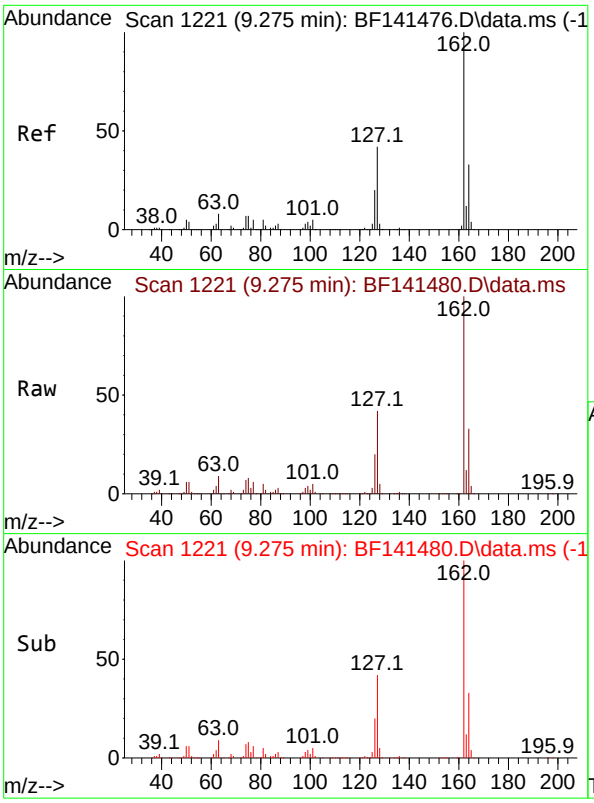


#46
1,1'-Biphenyl
Concen: 39.519 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:154 Resp: 606611

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.4	60.4
76	10.9	0.0	30.8



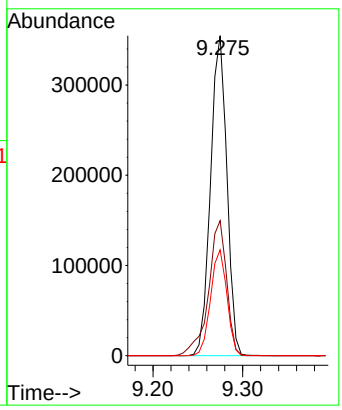


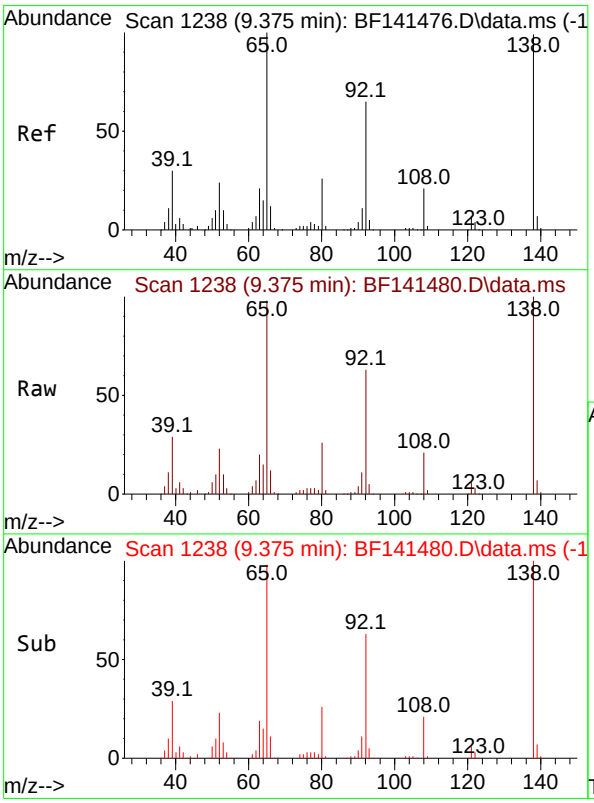
#47
2-Chloronaphthalene
Concen: 39.453 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:162 Resp: 447817

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.1	51.1
164	33.1	26.3	39.5

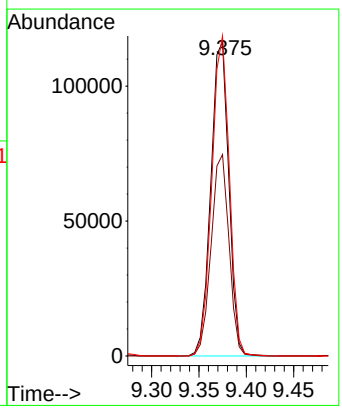


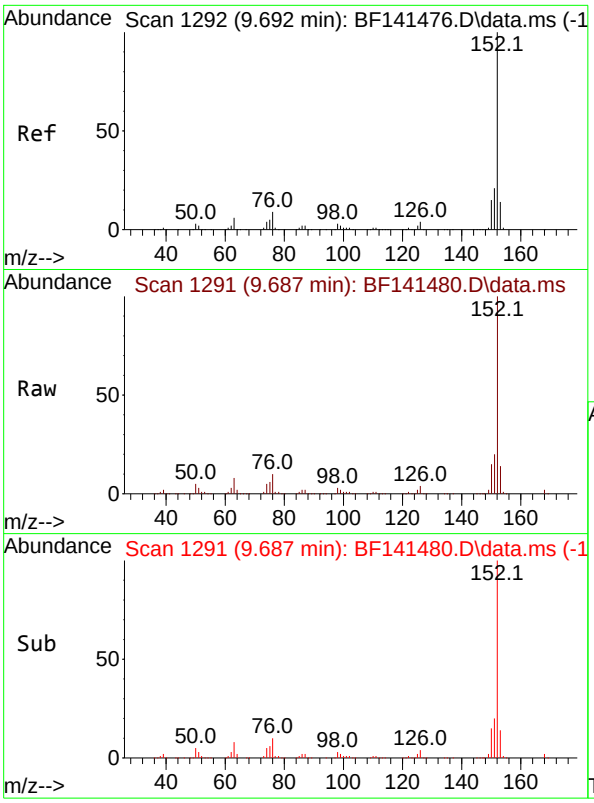


#48
2-Nitroaniline
Concen: 40.451 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 65 Resp: 154092

Ion	Ratio	Lower	Upper
65	100		
92	64.2	52.2	78.2
138	101.9	79.5	119.3



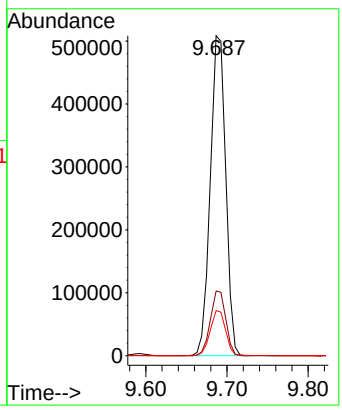


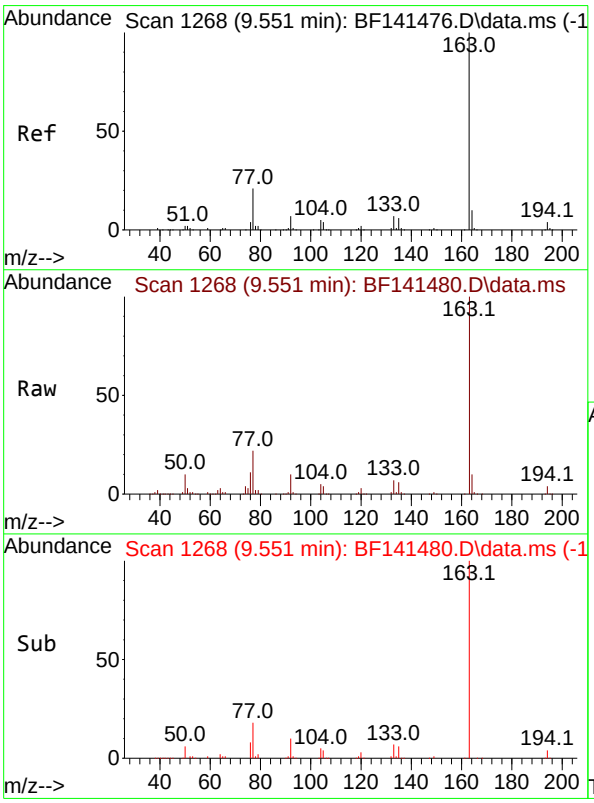
#49
Acenaphthylene
Concen: 39.734 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:152 Resp: 670833

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	14.1	10.9	16.3

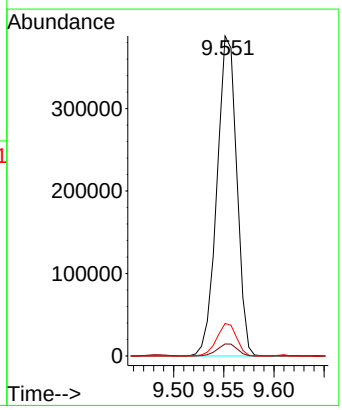


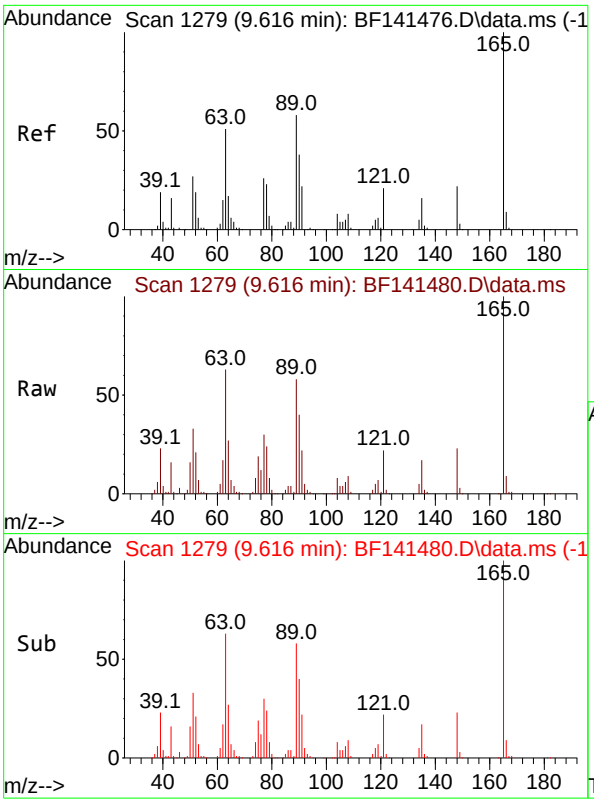


#50
Dimethylphthalate
Concen: 39.488 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:163 Resp: 530769

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	7.9	11.9



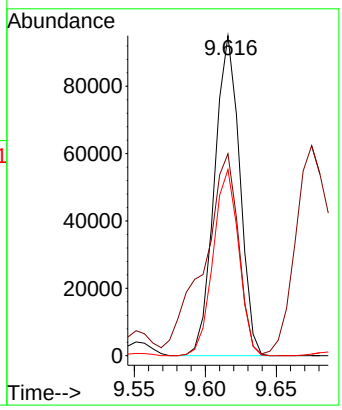


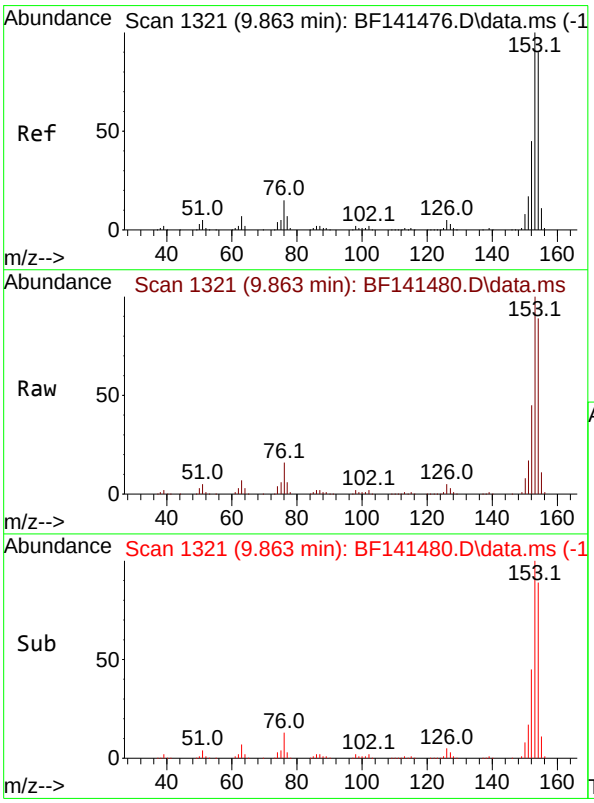
#51
2,6-Dinitrotoluene
Concen: 39.965 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:165 Resp: 117431

Ion	Ratio	Lower	Upper
165	100		
63	63.1	49.4	74.0
89	58.2	46.5	69.7

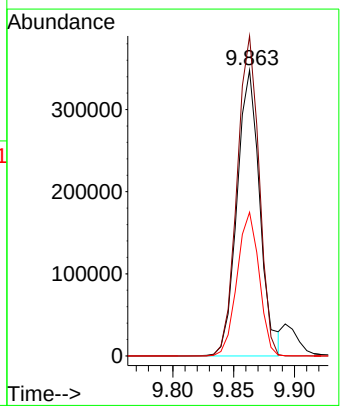


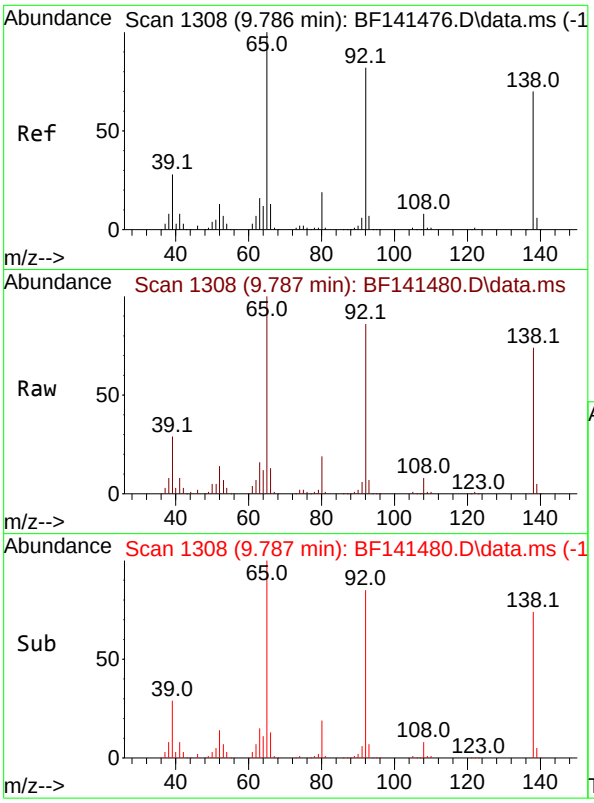


#52
Acenaphthene
Concen: 39.893 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:154 Resp: 452794

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.2	133.8
152	50.2	39.8	59.8



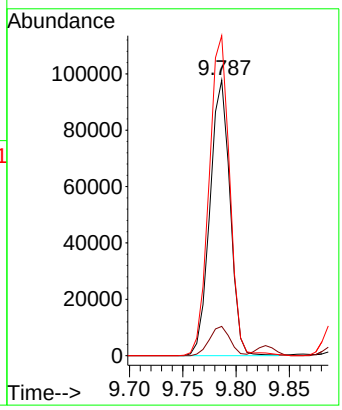


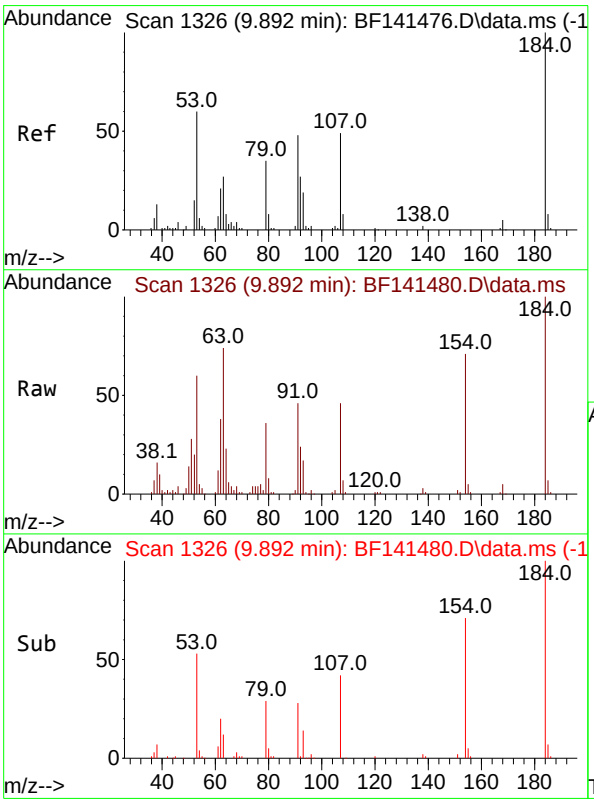
#53
3-Nitroaniline
Concen: 40.463 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:138 Resp: 127965

Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.0	13.4
92	116.2	93.7	140.5

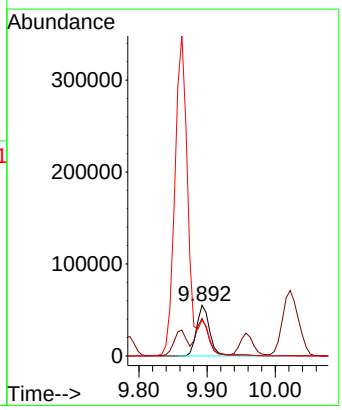


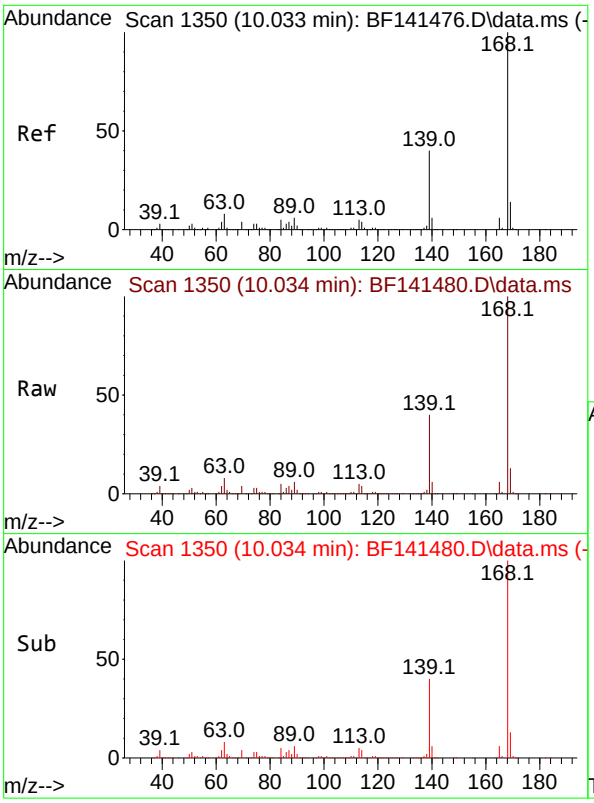


#54
2,4-Dinitrophenol
Concen: 42.639 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:184 Resp: 74461

Ion	Ratio	Lower	Upper
184	100		
63	74.2	61.0	91.6
154	71.0	59.9	89.9



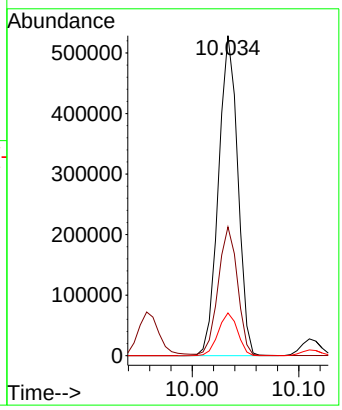


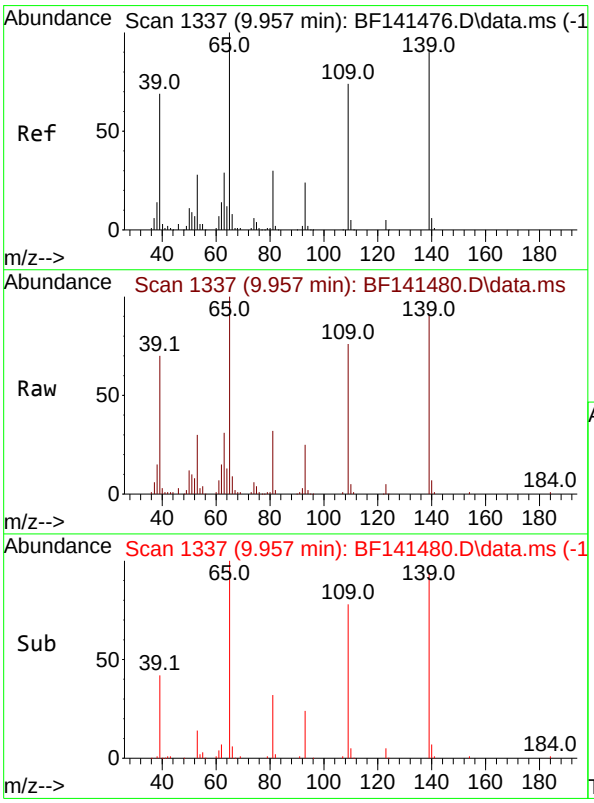
#55
Dibenzofuran
Concen: 39.860 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:168 Resp: 664069

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	13.4	10.8	16.2

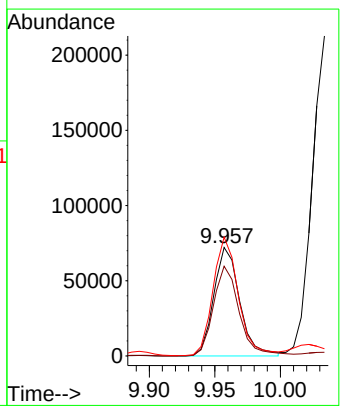


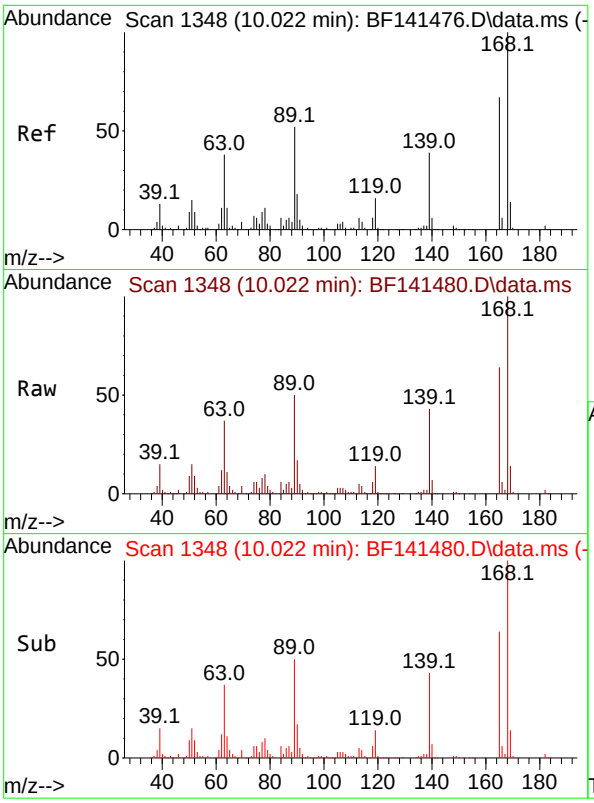


#56
4-Nitrophenol
Concen: 42.166 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:139 Resp: 98990

Ion	Ratio	Lower	Upper
139	100		
109	82.7	62.0	102.0
65	109.5	91.2	131.2



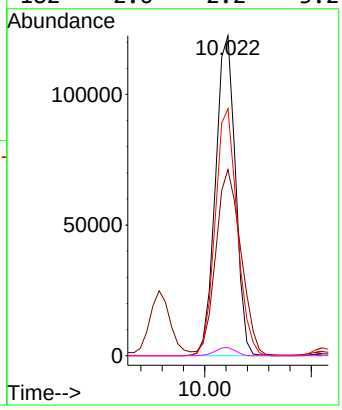


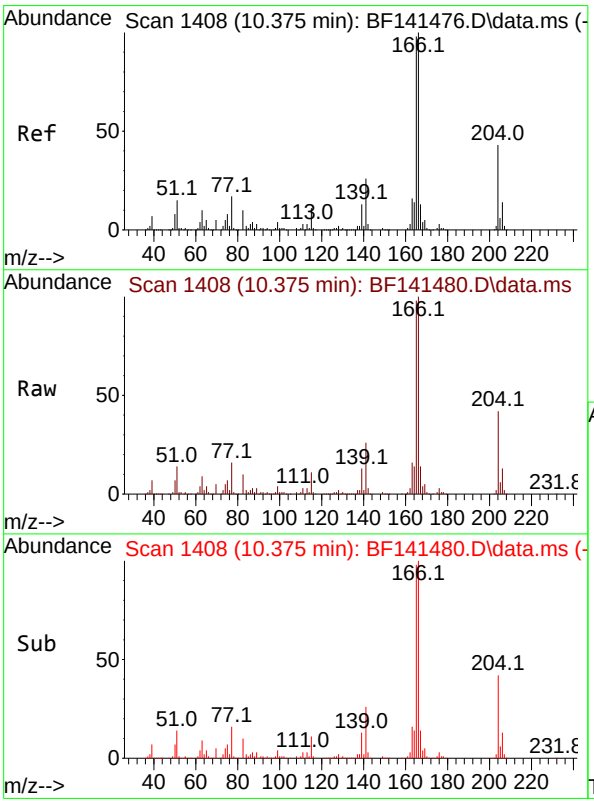
#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:165 Resp: 158941

Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	77.2	61.8	92.6
182	2.6	2.2	3.2

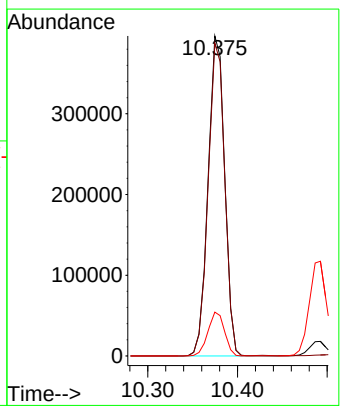


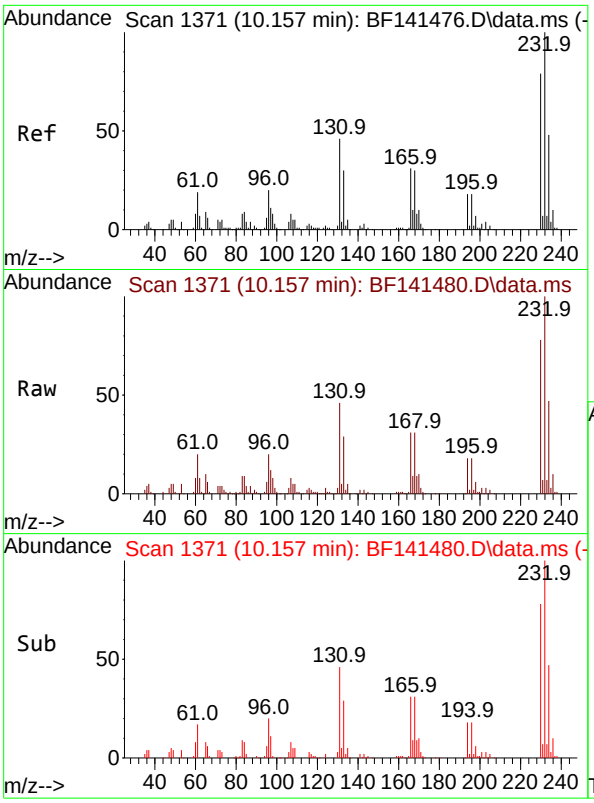


#58
Fluorene
Concen: 39.501 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:166 Resp: 508833

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.7	10.7	16.1



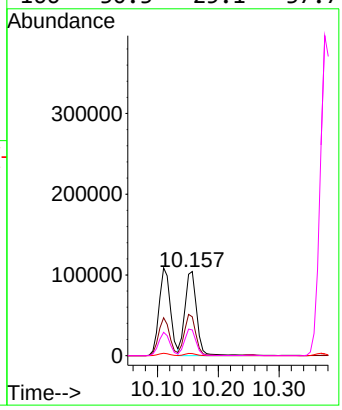


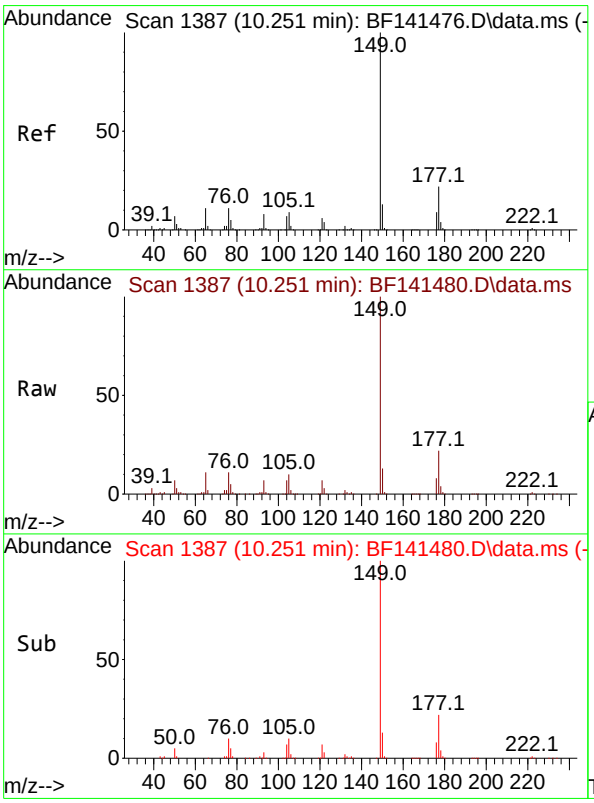
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:232 Resp: 139688

Ion	Ratio	Lower	Upper
232	100		
131	46.8	39.2	58.8
130	2.6	2.1	3.1
166	30.3	25.1	37.7

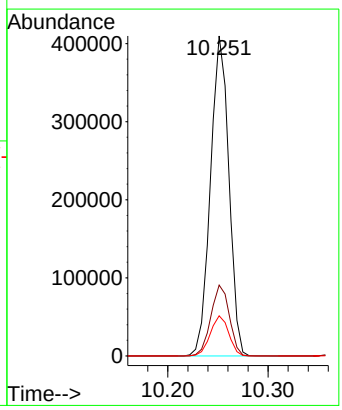


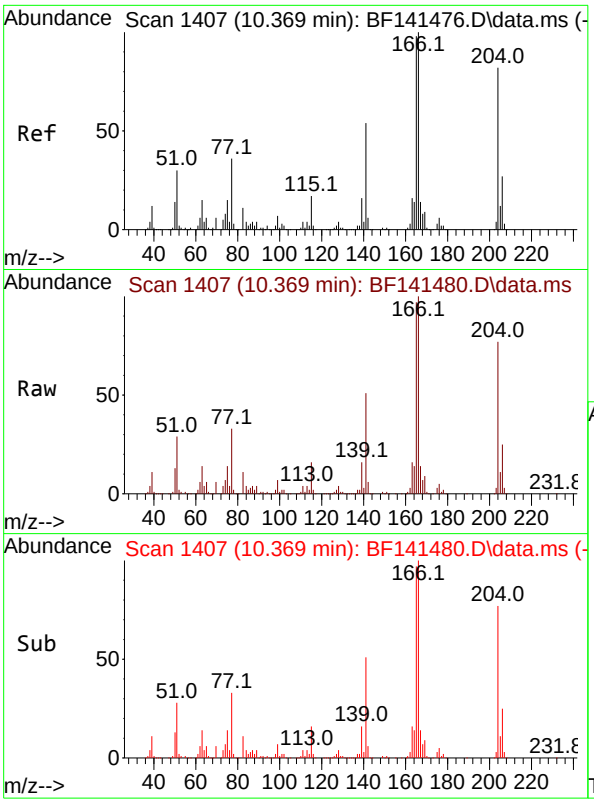


#60
Diethylphthalate
Concen: 39.467 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 521933

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.6
150	12.6	10.1	15.1



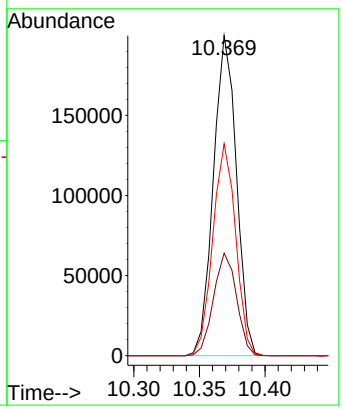


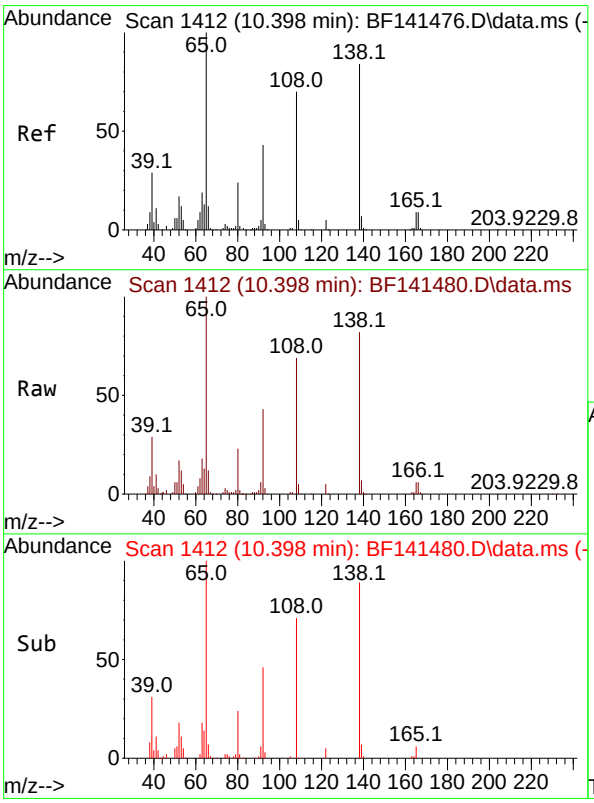
#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:204 Resp: 243659

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.6	40.0
141	66.2	51.9	77.9

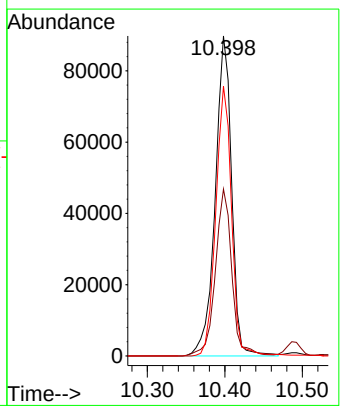


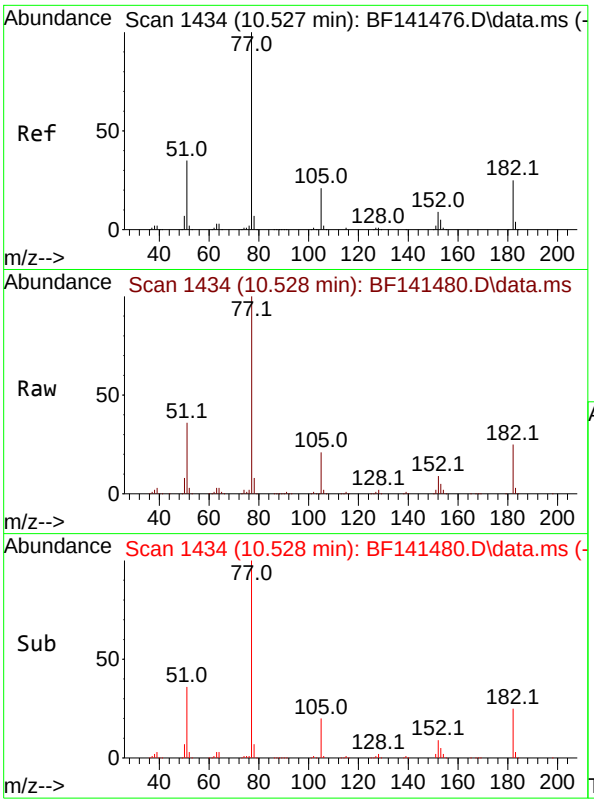


#62
4-Nitroaniline
Concen: 41.124 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:138 Resp: 132059

Ion	Ratio	Lower	Upper
138	100		
92	52.1	31.3	71.3
108	84.3	63.7	103.7



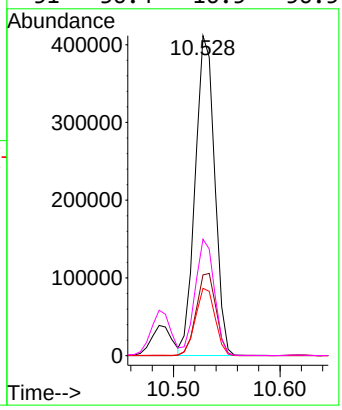


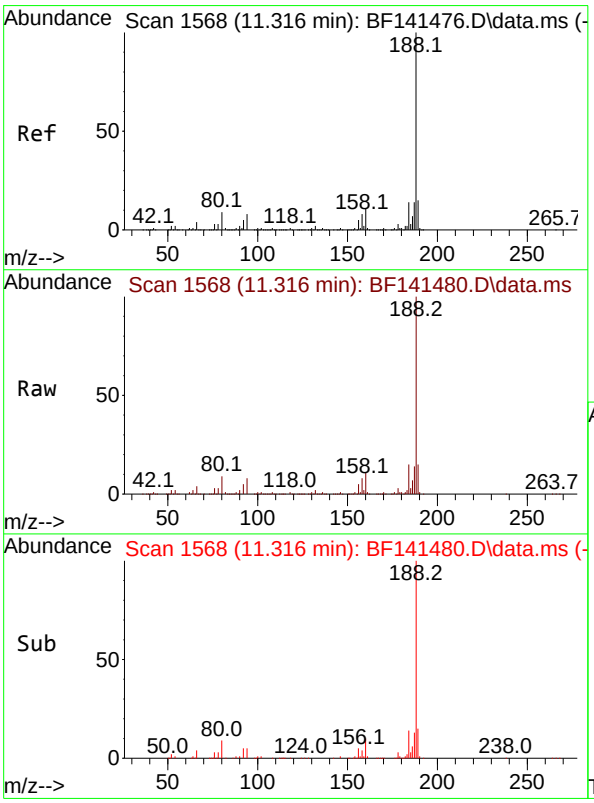
#63
Azobenzene
Concen: 39.759 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion: 77 Resp: 522705

Ion	Ratio	Lower	Upper
77	100		
182	25.2	4.7	44.7
105	21.0	0.4	40.4
51	36.4	16.5	56.5

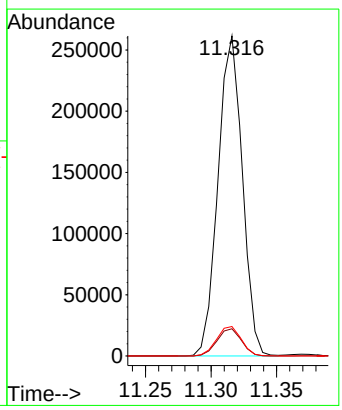


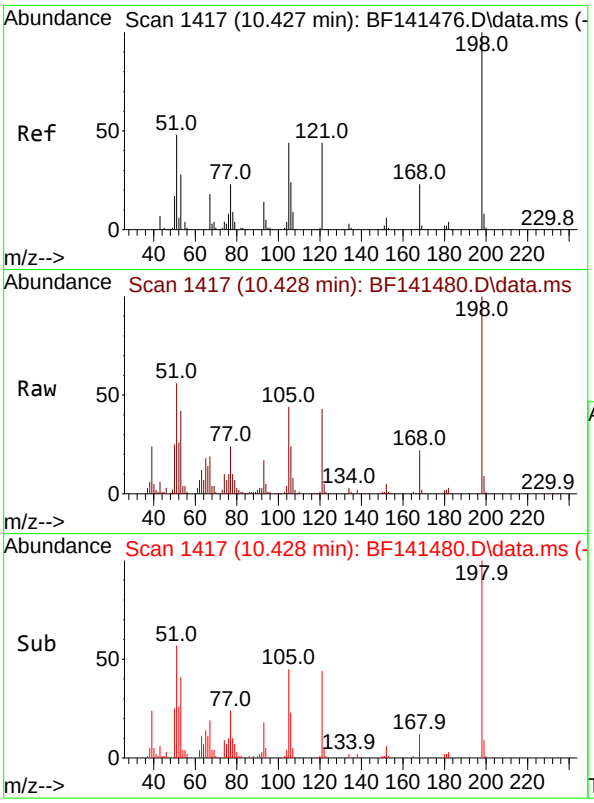


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:188 Resp: 337289

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.2	7.3	10.9



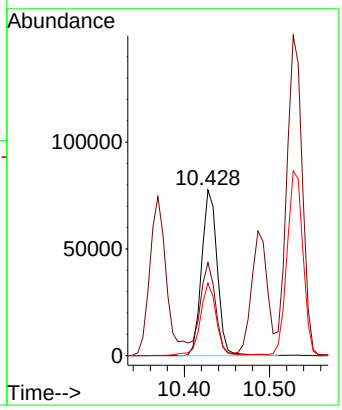


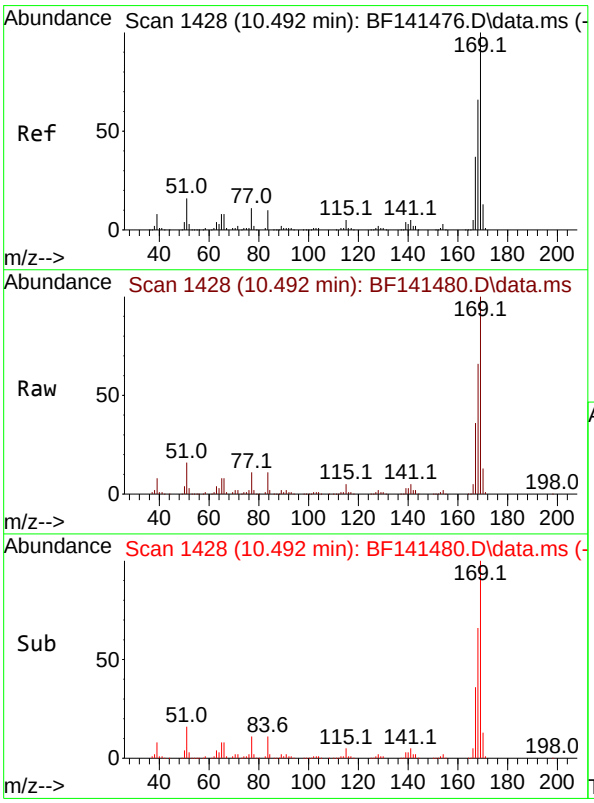
#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:198 Resp: 98944

Ion	Ratio	Lower	Upper
198	100		
51	56.2	37.4	77.4
105	43.9	25.2	65.2

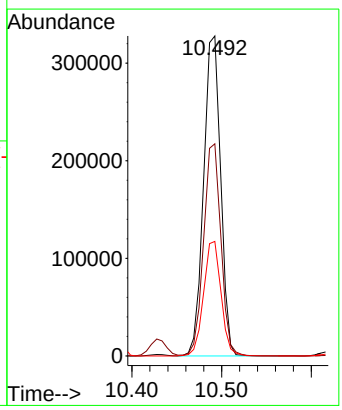


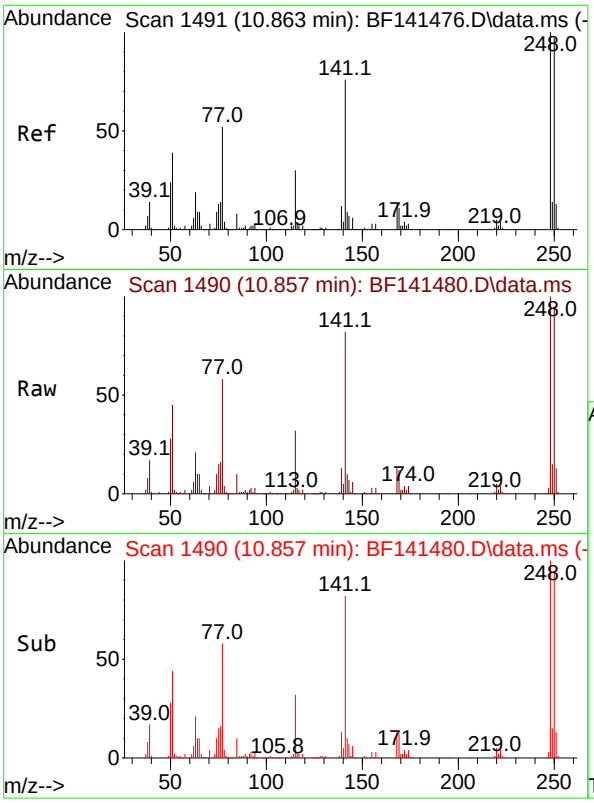


#66
n-Nitrosodiphenylamine
Concen: 40.040 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:169 Resp: 432307

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.3	79.9
167	35.8	29.4	44.2



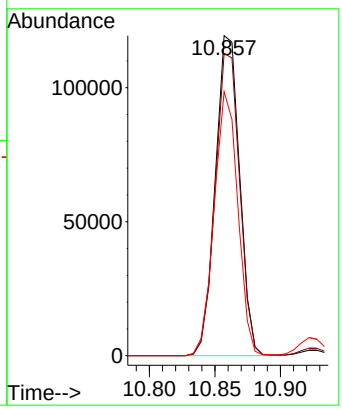


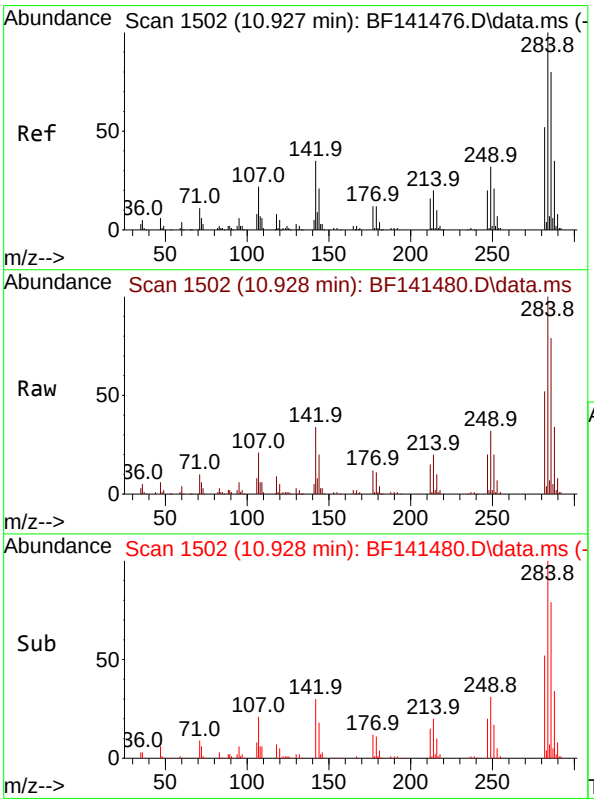
#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:248 Resp: 154044

Ion	Ratio	Lower	Upper
248	100		
250	94.5	77.8	116.6
141	82.5	60.6	90.8

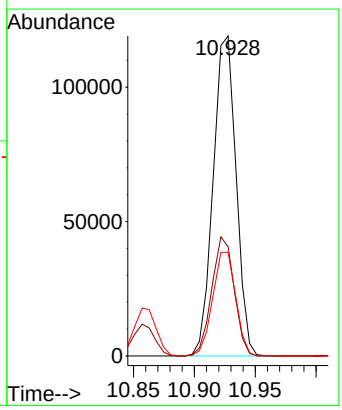


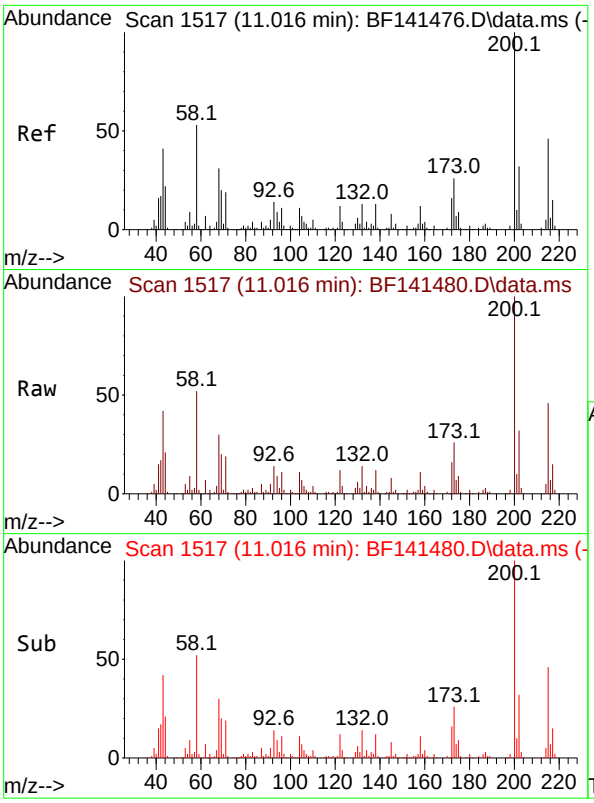


#68
Hexachlorobenzene
Concen: 40.208 ng
RT: 10.928 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:284 Resp: 156075

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.0	42.0
249	32.4	25.8	38.8



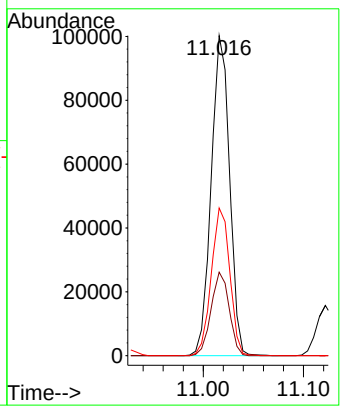


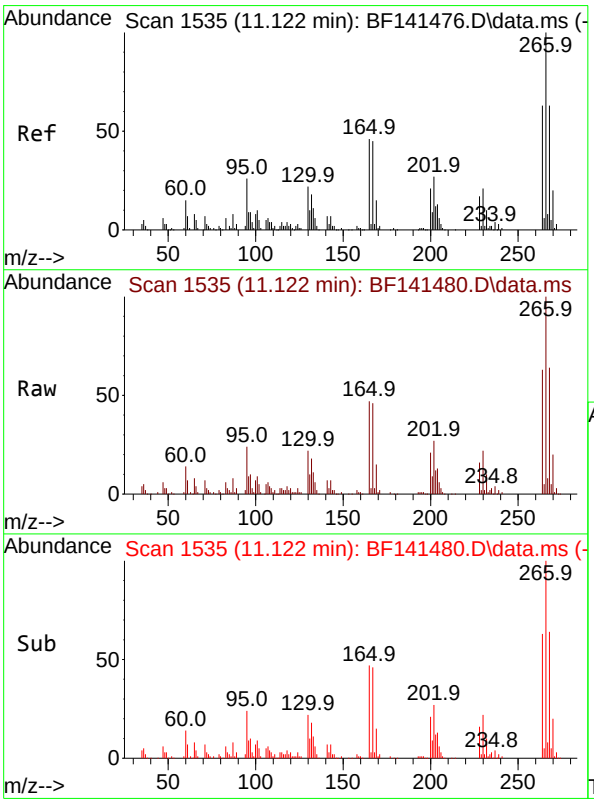
#69
Atrazine
Concen: 39.358 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:200 Resp: 127486

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.9	45.9
215	46.2	25.9	65.9

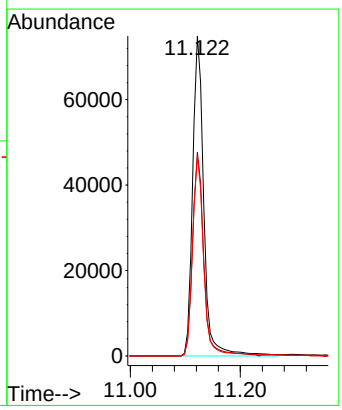


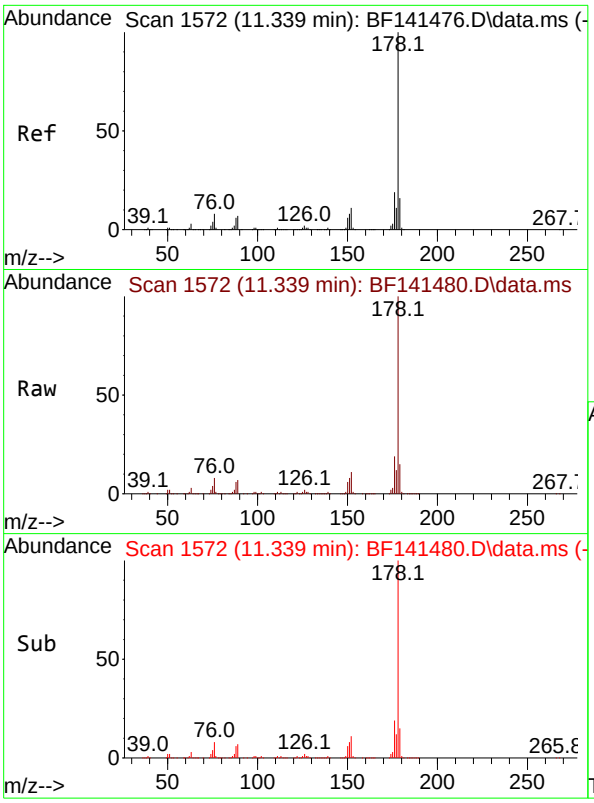


#70
Pentachlorophenol
Concen: 42.476 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:266 Resp: 105427

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.1	75.1
264	62.5	50.1	75.1



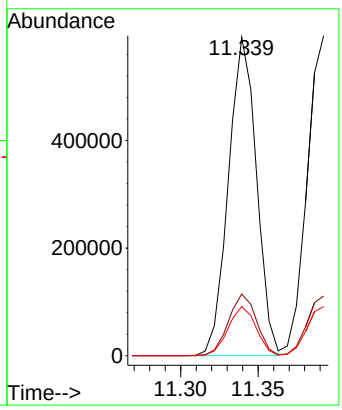


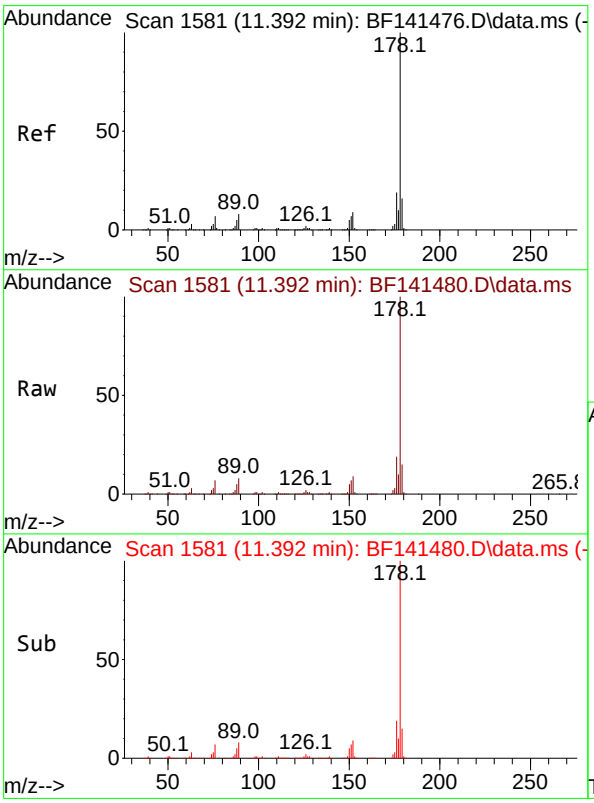
#71
Phenanthrene
Concen: 40.114 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:178 Resp: 744761

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.4	18.6

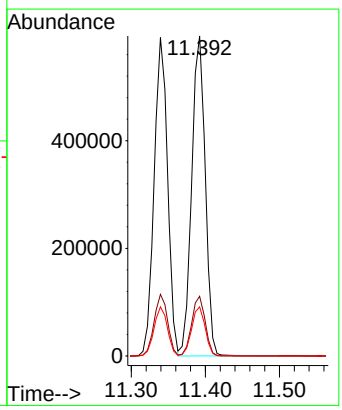


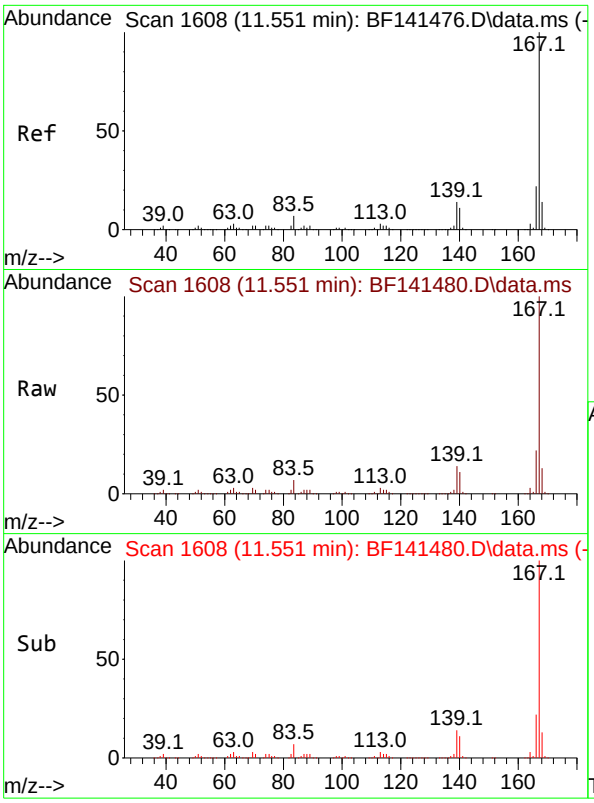


#72
Anthracene
Concen: 40.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:178 Resp: 753295

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.3	12.4	18.6



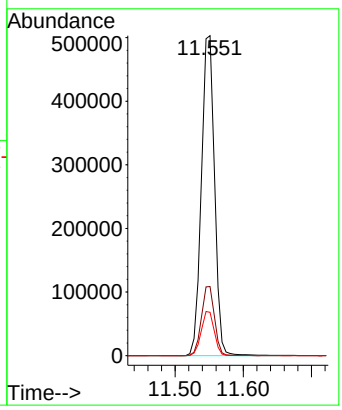


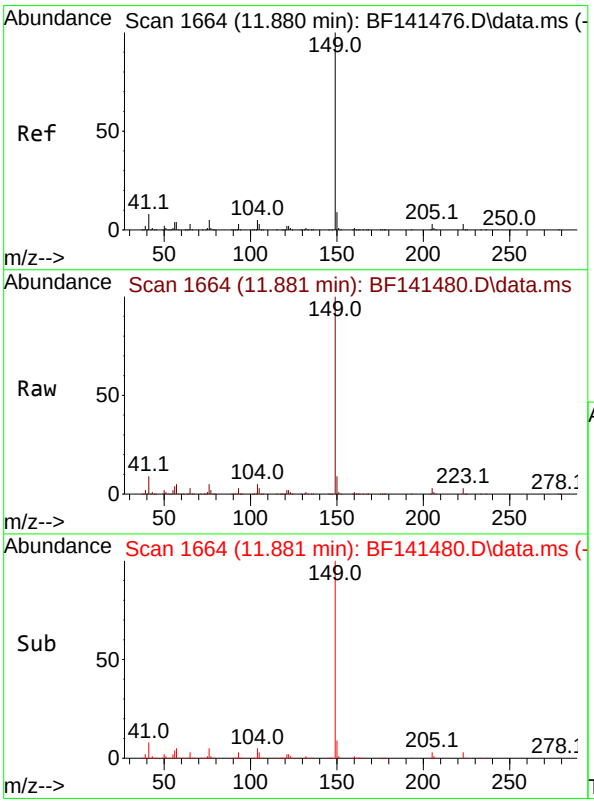
#73
Carbazole
Concen: 40.267 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:167 Resp: 676218

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.6	10.9	16.3

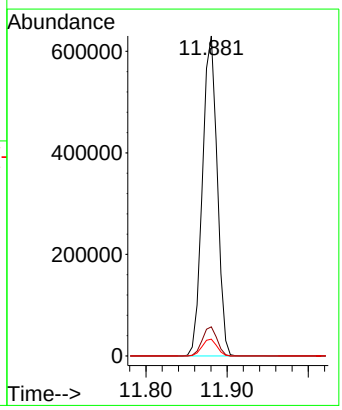


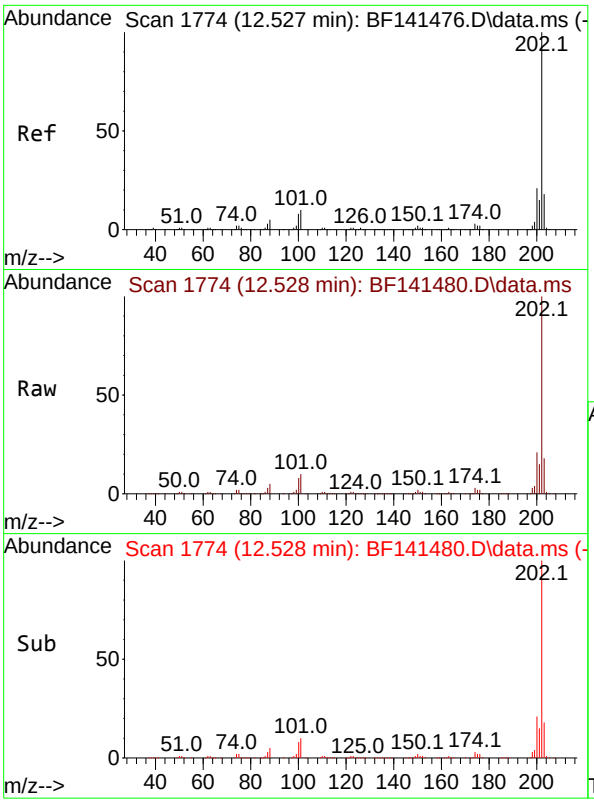


#74
Di-n-butylphthalate
Concen: 40.953 ng
RT: 11.881 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 794101

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2



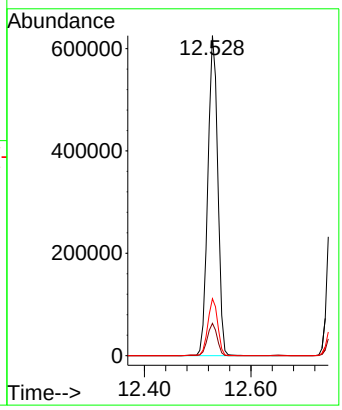


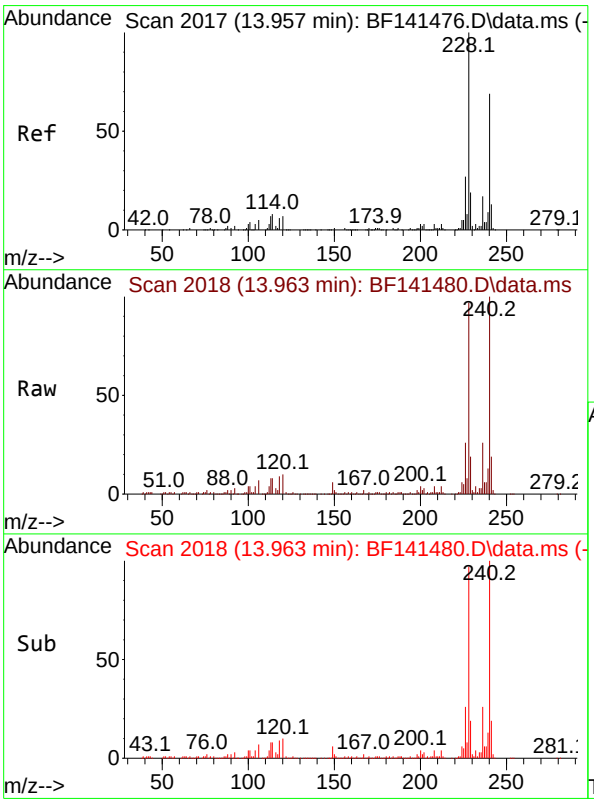
#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:202 Resp: 807256

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.8	0.0	37.6

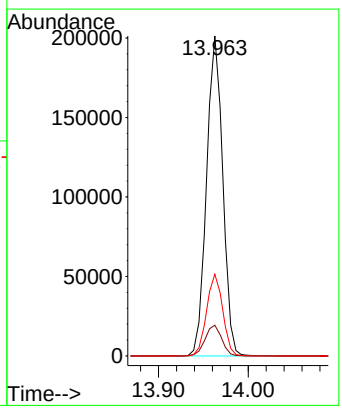


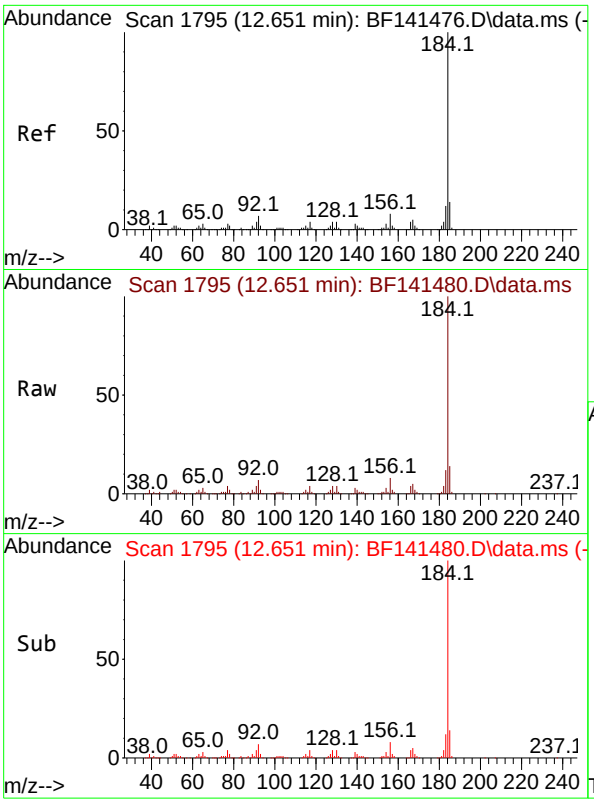


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:240 Resp: 252530

Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.6	19.8	29.8



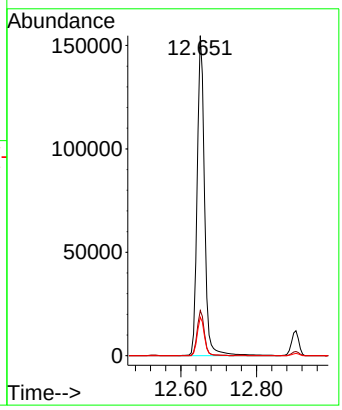


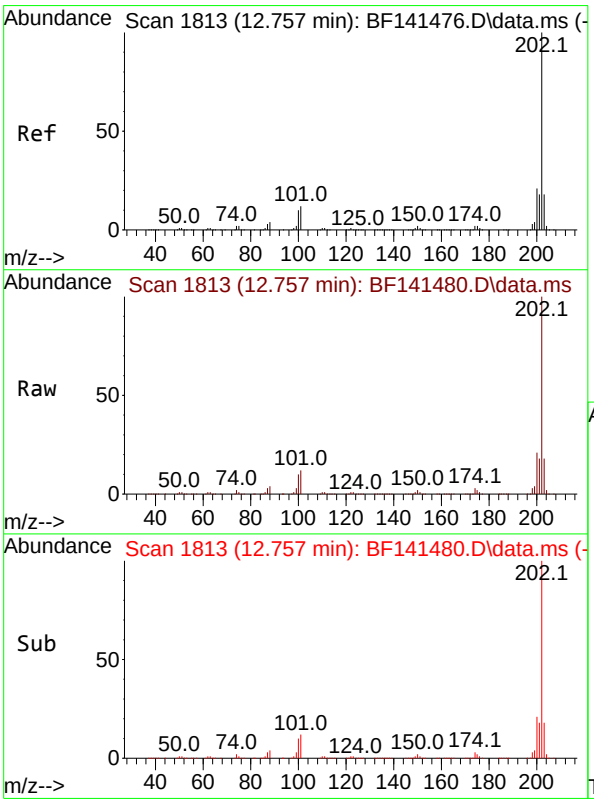
#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:184 Resp: 211734

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	12.0	9.3	13.9

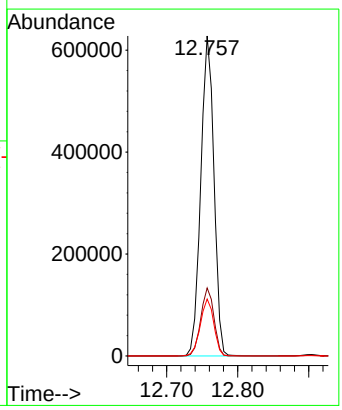


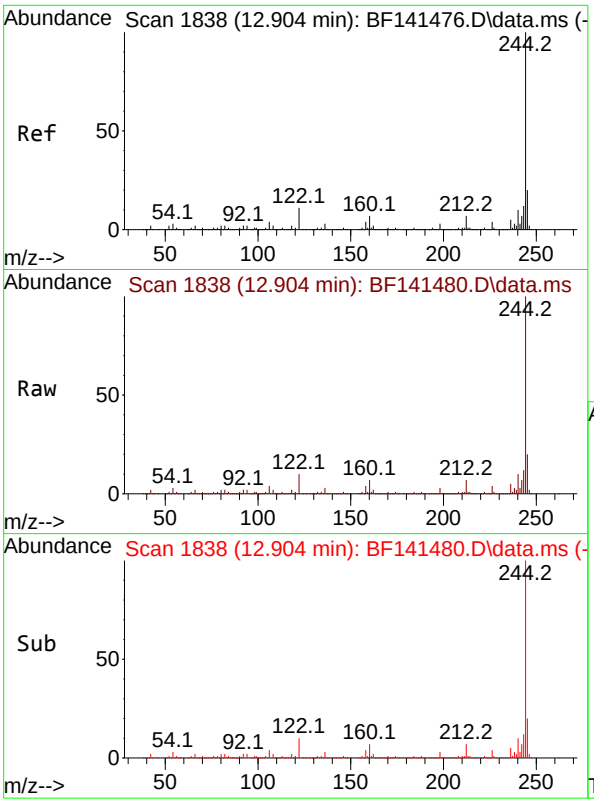


#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:202 Resp: 812250

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.8	14.3	21.5



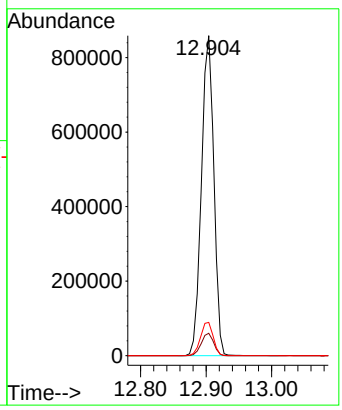


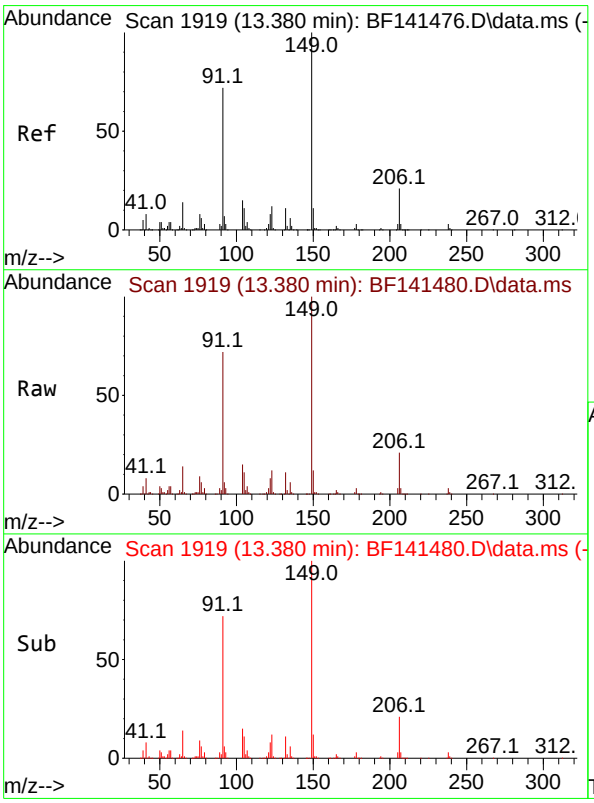
#79
Terphenyl-d14
Concen: 75.750 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:244 Resp: 1133126

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.4	8.4	12.6

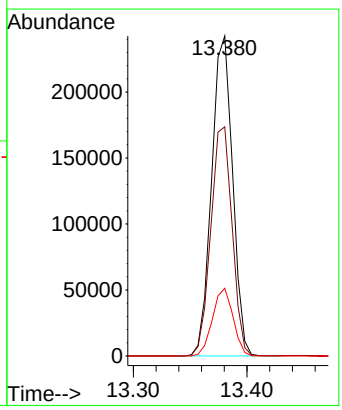


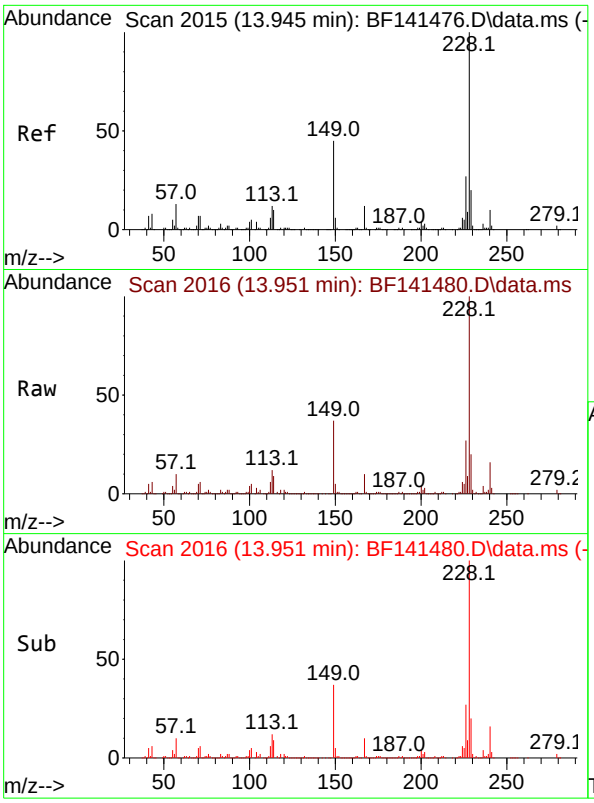


#80
Butylbenzylphthalate
Concen: 41.781 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 311103

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.8	86.8
206	21.2	16.7	25.1



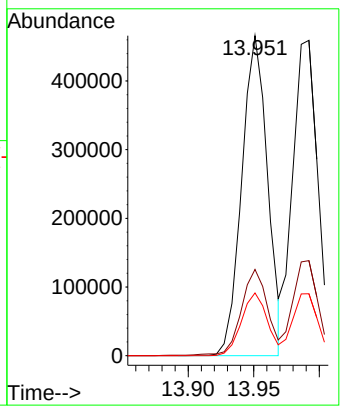


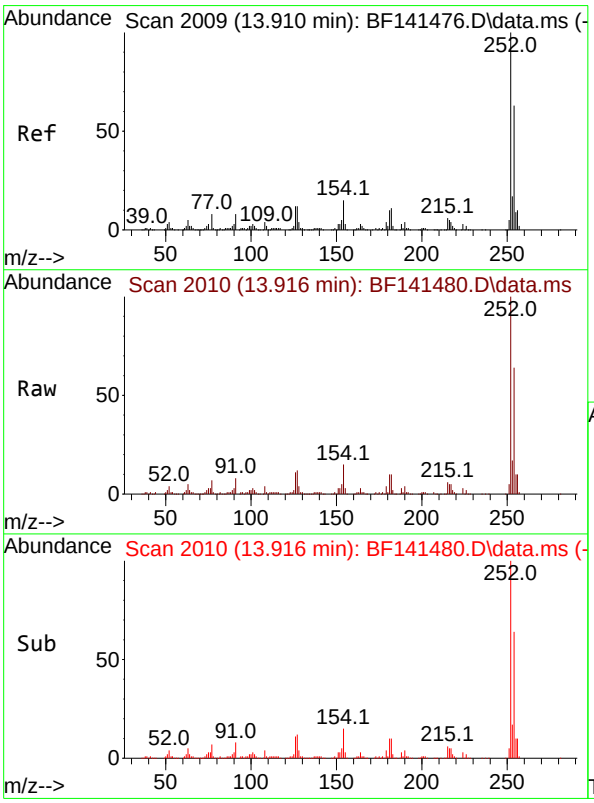
#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:228 Resp: 638036

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.6	15.8	23.6

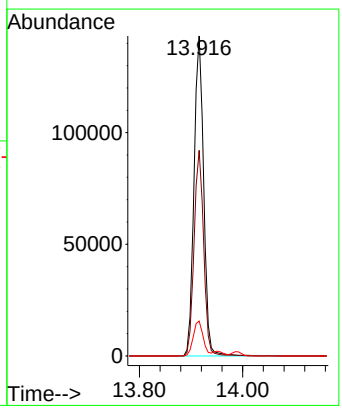


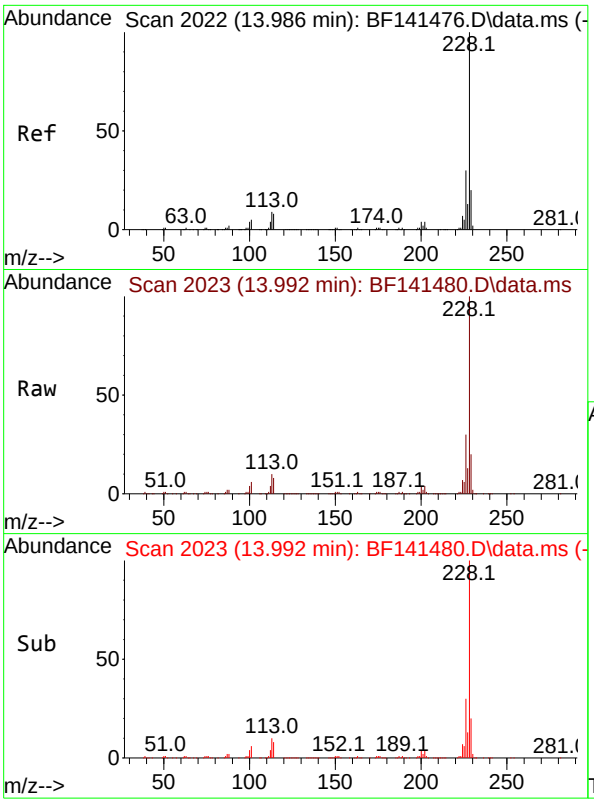


#82
3,3'-Dichlorobenzidine
Concen: 38.608 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 185650

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.6	76.0
126	10.9	9.3	13.9



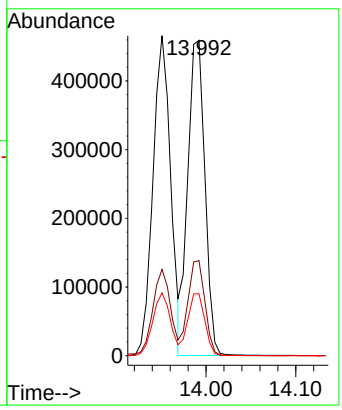


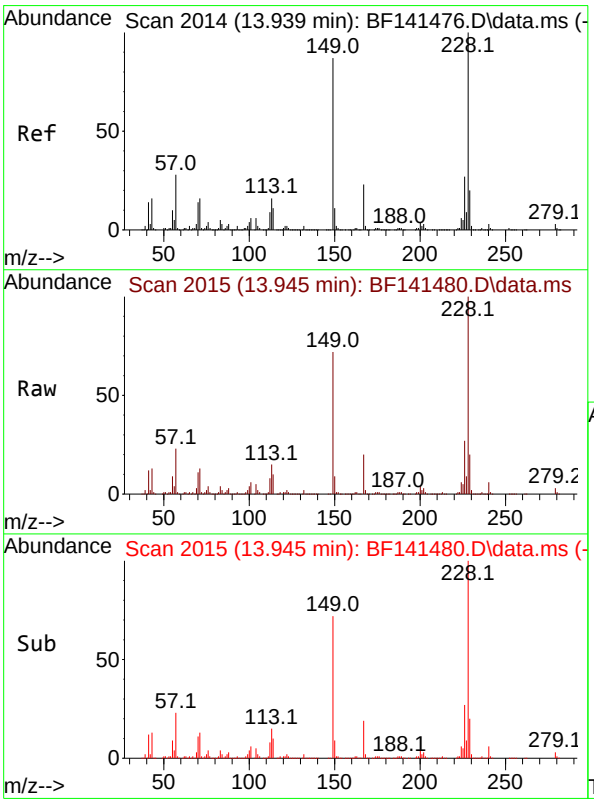
#83
Chrysene
Concen: 39.361 ng
RT: 13.992 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:228 Resp: 610091

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.6	15.7	23.5

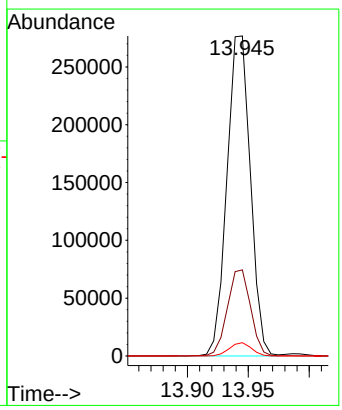


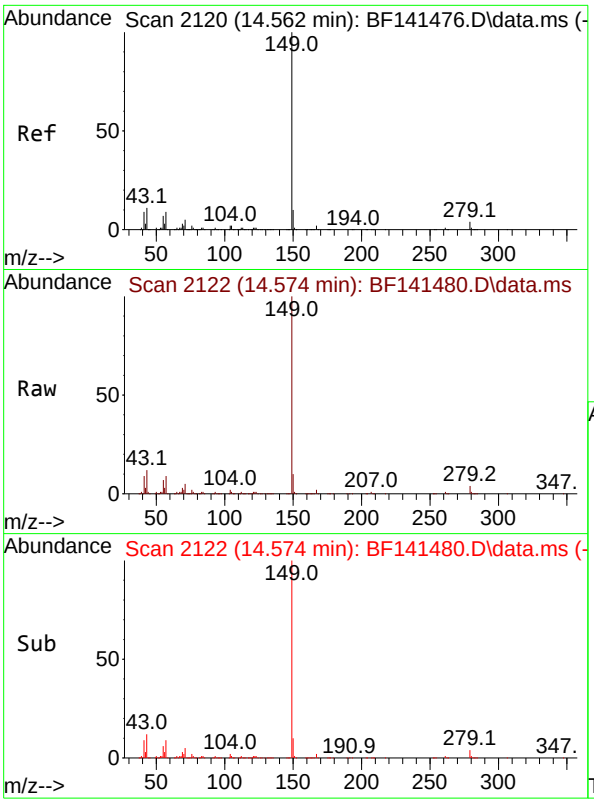


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.229 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 371434

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	4.1	3.1	4.7



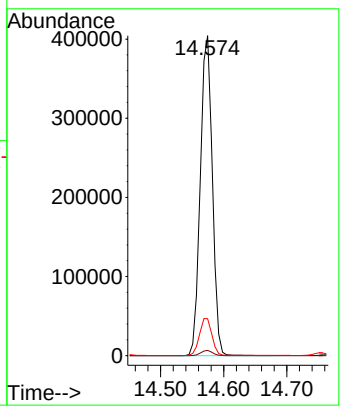


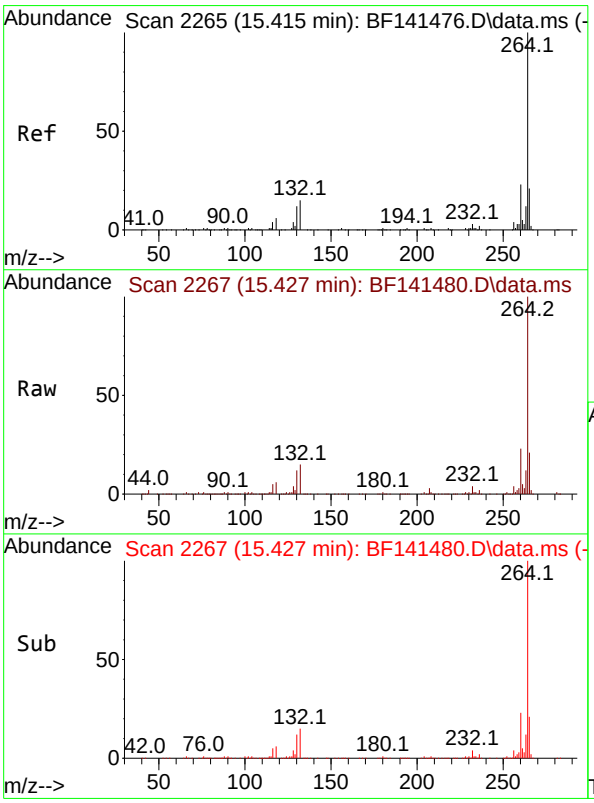
#85
Di-n-octyl phthalate
Concen: 44.652 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:149 Resp: 534947

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3

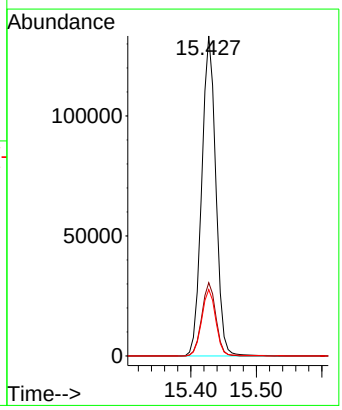


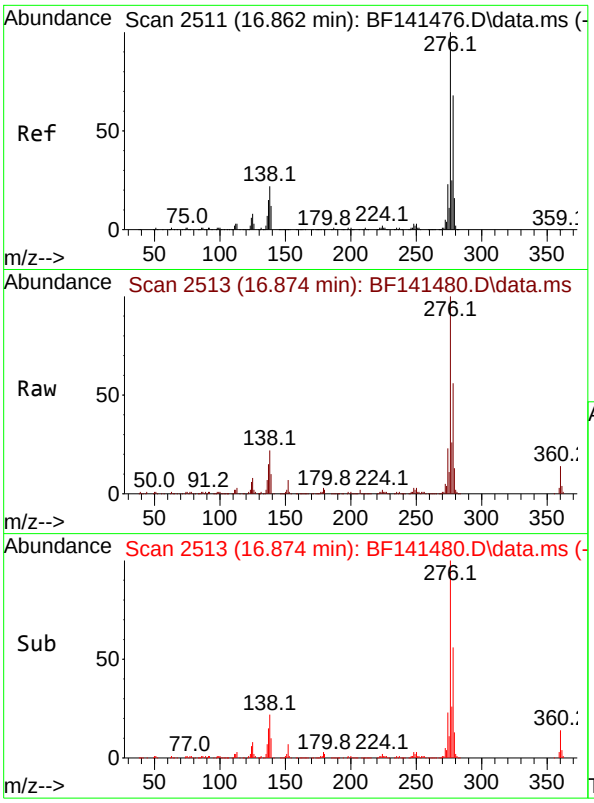


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:264 Resp: 199389

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.8	17.0	25.4



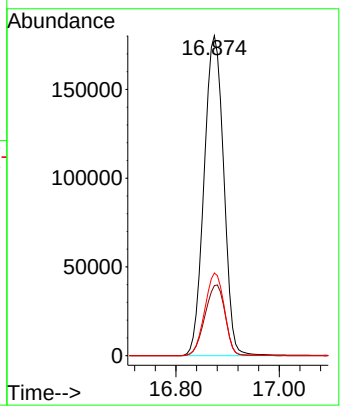


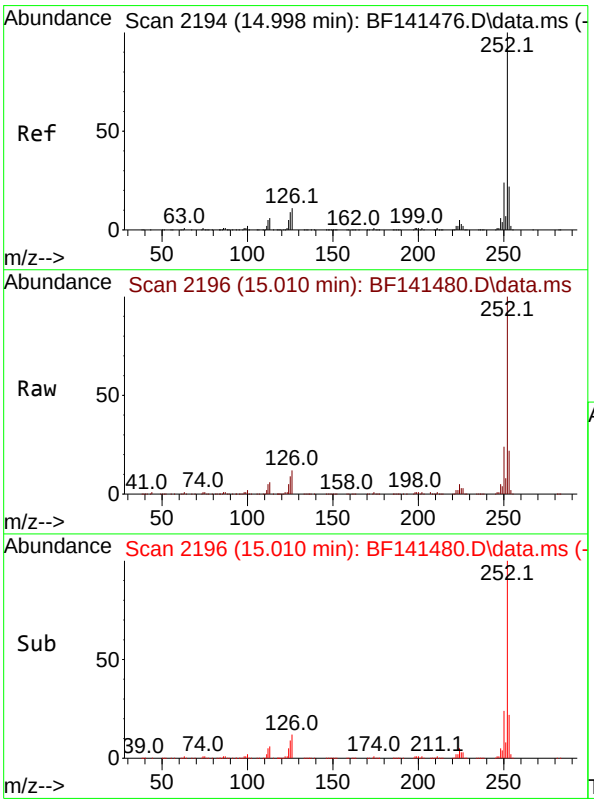
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.551 ng
RT: 16.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:276 Resp: 474949

Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.0	27.0
277	25.8	20.4	30.6

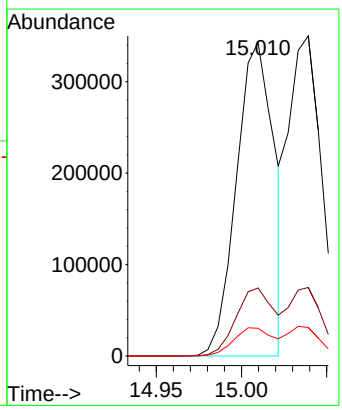


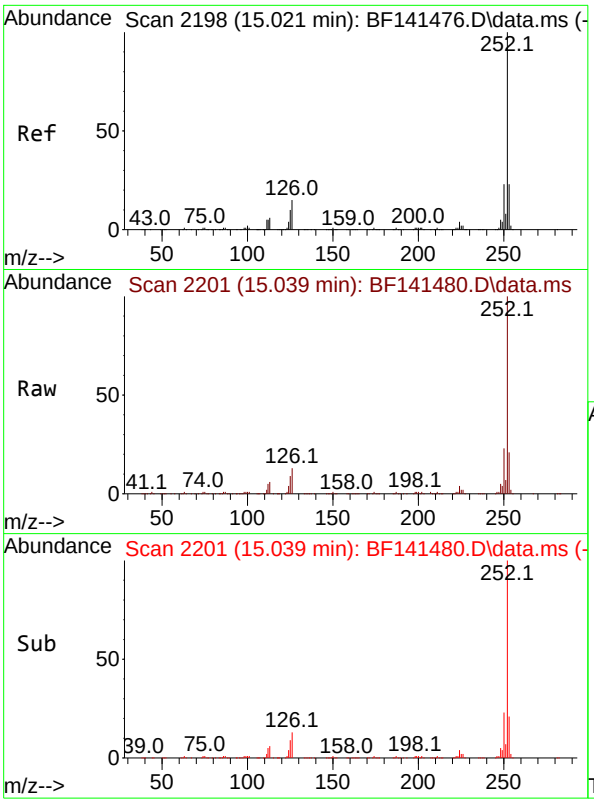


#88
Benzo(b)fluoranthene
Concen: 39.352 ng
RT: 15.010 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 526847

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	8.8	7.0	10.6



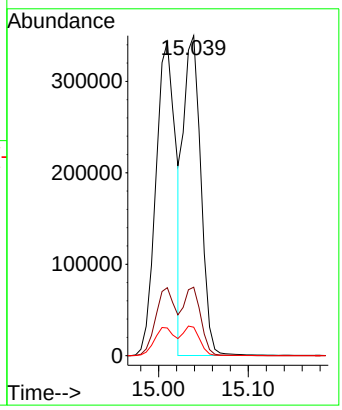


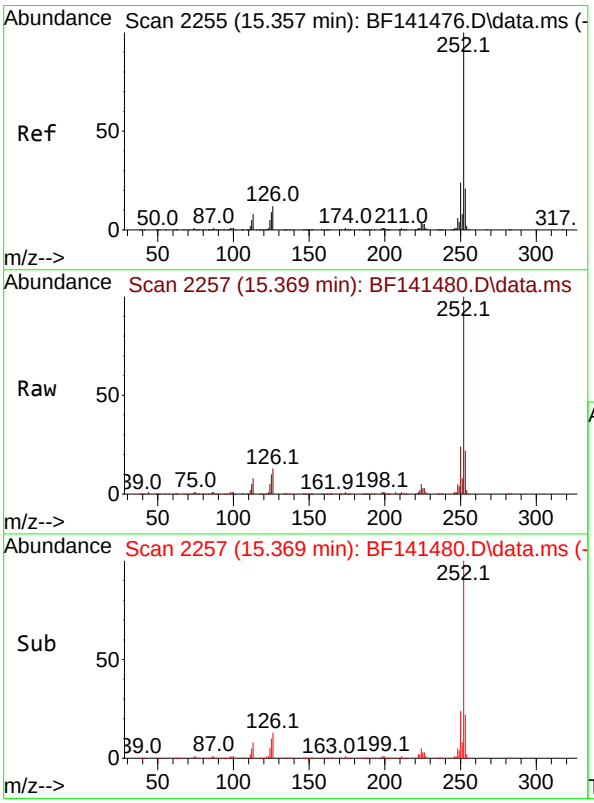
#89
Benzo(k)fluoranthene
Concen: 41.182 ng
RT: 15.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:252 Resp: 470794

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	8.9	7.4	11.0

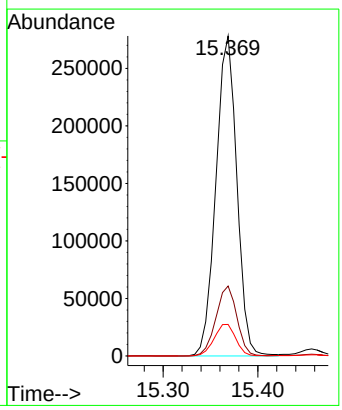


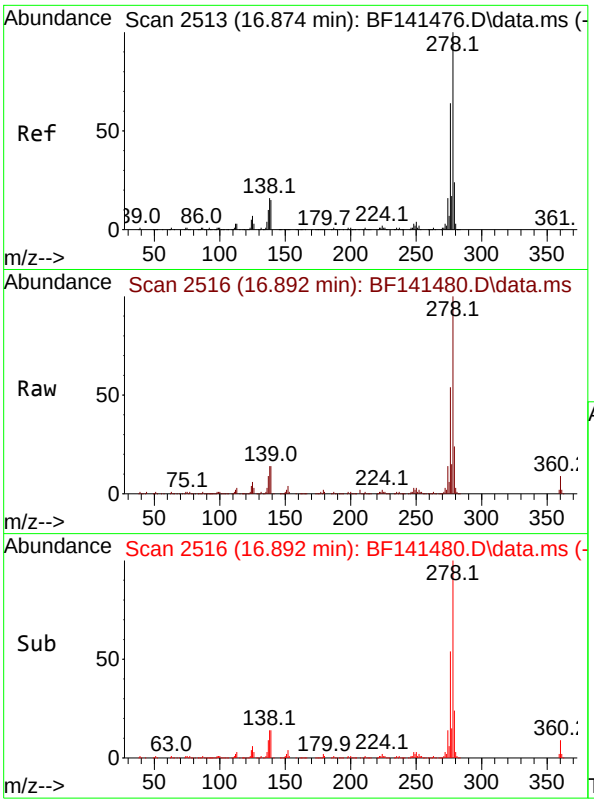


#90
Benzo(a)pyrene
Concen: 39.459 ng
RT: 15.369 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 427462

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.9	7.4	11.2



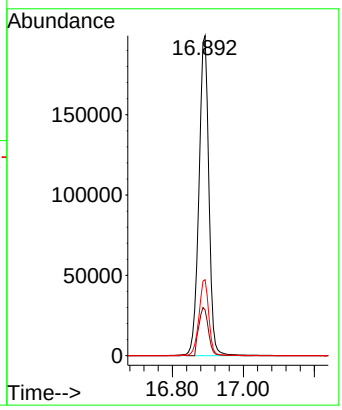


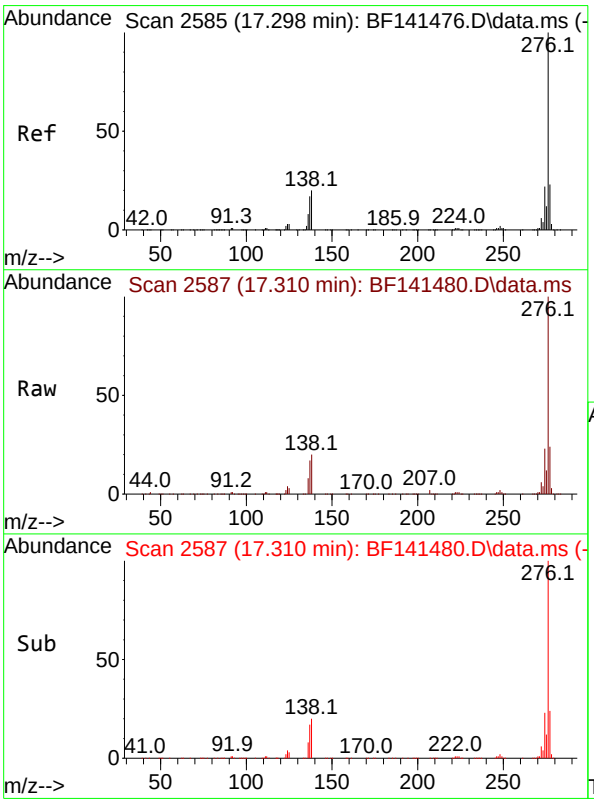
#91
Dibenzo(a,h)anthracene
Concen: 38.870 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:278 Resp: 388028

Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.8	17.6
279	23.7	19.1	28.7

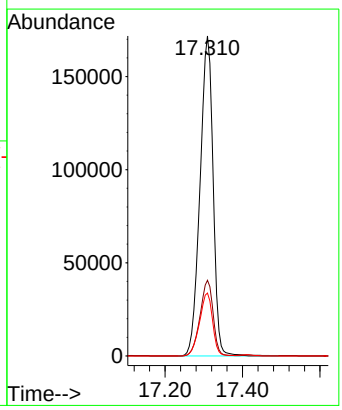




#92
Benzo(g,h,i)perylene
Concen: 38.536 ng
RT: 17.310 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:276 Resp: 402566

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	19.7	15.9	23.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2		1,4-Dioxane	0.513	0.518	-1.0	101	0.00
3		Pyridine	1.222	1.281	-4.8	102	-0.01
4		n-Nitrosodimethylamine	0.809	0.842	-4.1	104	-0.03
5	S	2-Fluorophenol	1.276	1.306	-2.4	102	0.00
6		Aniline	1.513	1.582	-4.6	104	-0.01
7	S	Phenol-d6	1.612	1.630	-1.1	102	-0.01
8		2-Chlorophenol	1.378	1.397	-1.4	102	-0.01
9		Benzaldehyde	0.857	0.859	-0.2	106	0.00
10	C	Phenol	1.678	1.704	-1.5	102	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.256	0.4	100	0.00
12		1,3-Dichlorobenzene	1.455	1.467	-0.8	103	0.00
13	C	1,4-Dichlorobenzene	1.487	1.484	0.2	102	0.00
14		1,2-Dichlorobenzene	1.380	1.392	-0.9	102	0.00
15		Benzyl Alcohol	1.236	1.269	-2.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.187	-1.3	102	0.00
17		2-Methylphenol	1.079	1.099	-1.9	103	0.00
18		Hexachloroethane	0.550	0.565	-2.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.966	-0.2	101	-0.01
20		3+4-Methylphenols	1.371	1.373	-0.1	101	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.498	0.488	2.0	102	-0.01
23	S	Nitrobenzene-d5	0.383	0.376	1.8	101	0.00
24		Nitrobenzene	0.374	0.369	1.3	102	0.00
25		Isophorone	0.611	0.608	0.5	103	-0.01
26	C	2-Nitrophenol	0.186	0.188	-1.1	101	0.00
27		2,4-Dimethylphenol	0.217	0.217	0.0	100	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.390	0.5	102	0.00
29	C	2,4-Dichlorophenol	0.294	0.292	0.7	102	0.00
30		1,2,4-Trichlorobenzene	0.320	0.314	1.9	102	0.00
31		Naphthalene	1.041	1.023	1.7	102	0.00
32		Benzoic acid	0.226	0.228	-0.9	102	-0.04
33		4-Chloroaniline	0.363	0.370	-1.9	105	-0.01
34	C	Hexachlorobutadiene	0.192	0.193	-0.5	103	0.00
35		Caprolactam	0.089	0.092	-3.4	102	-0.03
36	C	4-Chloro-3-methylphenol	0.325	0.325	0.0	102	0.00
37		2-Methylnaphthalene	0.677	0.656	3.1	101	0.00
38		1-Methylnaphthalene	0.656	0.641	2.3	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.581	-0.3	102	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.186	3.1	94	0.00
42	S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	0.00
43	C	2,4,6-Trichlorophenol	0.374	0.373	0.3	101	0.00
44		2,4,5-Trichlorophenol	0.405	0.406	-0.2	101	0.00
45	S	2-Fluorobiphenyl	1.298	1.278	1.5	103	0.00
46		1,1'-Biphenyl	1.551	1.532	1.2	102	0.00
47		2-Chloronaphthalene	1.147	1.131	1.4	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	0.385	0.389	-1.0	102	0.00
49		Acenaphthylene	1.705	1.694	0.6	102	0.00
50		Dimethylphthalate	1.358	1.340	1.3	102	-0.01
51		2,6-Dinitrotoluene	0.297	0.297	0.0	101	0.00
52	C	Acenaphthene	1.147	1.143	0.3	102	0.00
53		3-Nitroaniline	0.319	0.323	-1.3	104	0.00
54	P	2,4-Dinitrophenol	0.176	0.188	-6.8	109	-0.01
55		Dibenzofuran	1.683	1.677	0.4	103	0.00
56	P	4-Nitrophenol	0.237	0.250	-5.5	103	-0.01
57		2,4-Dinitrotoluene	0.395	0.401	-1.5	103	0.00
58		Fluorene	1.301	1.285	1.2	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.353	-1.1	104	0.00
60		Diethylphthalate	1.336	1.318	1.3	101	0.00
61		4-Chlorophenyl-phenylether	0.626	0.615	1.8	101	0.00
62		4-Nitroaniline	0.324	0.333	-2.8	102	-0.02
63		Azobenzene	1.328	1.320	0.6	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.147	-5.8	104	-0.01
66	c	n-Nitrosodiphenylamine	0.640	0.641	-0.2	102	0.00
67		4-Bromophenyl-phenylether	0.224	0.228	-1.8	104	0.00
68		Hexachlorobenzene	0.230	0.231	-0.4	102	0.00
69		Atrazine	0.192	0.189	1.6	102	0.00
70	C	Pentachlorophenol	0.147	0.156	-6.1	102	0.00
71		Phenanthrene	1.101	1.104	-0.3	102	0.00
72		Anthracene	1.107	1.117	-0.9	103	0.00
73		Carbazole	0.996	1.002	-0.6	102	0.00
74		Di-n-butylphthalate	1.150	1.177	-2.3	103	0.00
75	C	Fluoranthene	1.167	1.197	-2.6	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.441	0.419	5.0	89	0.00
78		Pyrene	1.703	1.608	5.6	103	0.00
79	S	Terphenyl-d14	1.185	1.122	5.3	105	0.00
80		Butylbenzylphthalate	0.590	0.616	-4.4	113	0.00
81		Benzo(a)anthracene	1.329	1.263	5.0	105	0.00
82		3,3'-Dichlorobenzidine	0.381	0.368	3.4	109	0.00
83		Chrysene	1.228	1.208	1.6	113	0.00
84		Bis(2-ethylhexyl)phthalate	0.665	0.735	-10.5	120	0.00
85	c	Di-n-octyl phthalate	0.949	1.059	-11.6	123	0.01
86	I	Perylene-d12	1.000	1.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	1.236	1.191	3.6	101	0.00
88		Benzo(b)fluoranthene	1.343	1.321	1.6	108	0.00
89		Benzo(k)fluoranthene	1.147	1.181	-3.0	113	0.00
90	C	Benzo(a)pyrene	1.087	1.072	1.4	108	0.00
91		Dibenzo(a,h)anthracene	1.001	0.973	2.8	101	0.00
92		Benzo(g,h,i)perylene	1.048	1.009	3.7	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
BNA_F
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ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2		1,4-Dioxane	40.000	40.369	-0.9	101	0.00
3		Pyridine	40.000	41.938	-4.8	102	-0.01
4		n-Nitrosodimethylamine	40.000	41.653	-4.1	104	-0.03
5	S	2-Fluorophenol	80.000	81.894	-2.4	102	0.00
6		Aniline	40.000	41.834	-4.6	104	-0.01
7	S	Phenol-d6	80.000	80.878	-1.1	102	-0.01
8		2-Chlorophenol	40.000	40.527	-1.3	102	-0.01
9		Benzaldehyde	40.000	40.105	-0.3	106	0.00
10	C	Phenol	40.000	40.615	-1.5	102	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.866	0.3	100	0.00
12		1,3-Dichlorobenzene	40.000	40.317	-0.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.911	0.2	102	0.00
14		1,2-Dichlorobenzene	40.000	40.354	-0.9	102	0.00
15		Benzyl Alcohol	40.000	41.041	-2.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.535	-1.3	102	0.00
17		2-Methylphenol	40.000	40.768	-1.9	103	0.00
18		Hexachloroethane	40.000	41.061	-2.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.048	-0.1	101	-0.01
20		3+4-Methylphenols	40.000	40.073	-0.2	101	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	39.246	1.9	102	-0.01
23	S	Nitrobenzene-d5	80.000	78.369	2.0	101	0.00
24		Nitrobenzene	40.000	39.429	1.4	102	0.00
25		Isophorone	40.000	39.767	0.6	103	-0.01
26	C	2-Nitrophenol	40.000	40.413	-1.0	101	0.00
27		2,4-Dimethylphenol	40.000	39.924	0.2	100	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.822	0.4	102	0.00
29	C	2,4-Dichlorophenol	40.000	39.818	0.5	102	0.00
30		1,2,4-Trichlorobenzene	40.000	39.237	1.9	102	0.00
31		Naphthalene	40.000	39.287	1.8	102	0.00
32		Benzoic acid	40.000	40.324	-0.8	102	-0.04
33		4-Chloroaniline	40.000	40.680	-1.7	105	-0.01
34	C	Hexachlorobutadiene	40.000	40.144	-0.4	103	0.00
35		Caprolactam	40.000	41.104	-2.8	102	-0.03
36	C	4-Chloro-3-methylphenol	40.000	40.006	-0.0	102	0.00
37		2-Methylnaphthalene	40.000	38.710	3.2	101	0.00
38		1-Methylnaphthalene	40.000	39.049	2.4	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.182	-0.5	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.754	3.1	94	0.00
42	S	2,4,6-Tribromophenol	80.000	79.490	0.6	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.914	0.2	101	0.00
44		2,4,5-Trichlorophenol	40.000	40.108	-0.3	101	0.00
45	S	2-Fluorobiphenyl	80.000	78.786	1.5	103	0.00
46		1,1'-Biphenyl	40.000	39.519	1.2	102	0.00
47		2-Chloronaphthalene	40.000	39.453	1.4	102	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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	40.451	-1.1	102	0.00
49		Acenaphthylene	40.000	39.734	0.7	102	0.00
50		Dimethylphthalate	40.000	39.488	1.3	102	-0.01
51		2,6-Dinitrotoluene	40.000	39.965	0.1	101	0.00
52	C	Acenaphthene	40.000	39.893	0.3	102	0.00
53		3-Nitroaniline	40.000	40.463	-1.2	104	0.00
54	P	2,4-Dinitrophenol	40.000	42.639	-6.6	109	-0.01
55		Dibenzofuran	40.000	39.860	0.4	103	0.00
56	P	4-Nitrophenol	40.000	42.166	-5.4	103	-0.01
57		2,4-Dinitrotoluene	40.000	40.633	-1.6	103	0.00
58		Fluorene	40.000	39.501	1.2	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.438	-1.1	104	0.00
60		Diethylphthalate	40.000	39.467	1.3	101	0.00
61		4-Chlorophenyl-phenylether	40.000	39.318	1.7	101	0.00
62		4-Nitroaniline	40.000	41.124	-2.8	102	-0.02
63		Azobenzene	40.000	39.759	0.6	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.230	-5.6	104	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.040	-0.1	102	0.00
67		4-Bromophenyl-phenylether	40.000	40.864	-2.2	104	0.00
68		Hexachlorobenzene	40.000	40.208	-0.5	102	0.00
69		Atrazine	40.000	39.358	1.6	102	0.00
70	C	Pentachlorophenol	40.000	42.476	-6.2	102	0.00
71		Phenanthrene	40.000	40.114	-0.3	102	0.00
72		Anthracene	40.000	40.362	-0.9	103	0.00
73		Carbazole	40.000	40.267	-0.7	102	0.00
74		Di-n-butylphthalate	40.000	40.953	-2.4	103	0.00
75	C	Fluoranthene	40.000	41.011	-2.5	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	38.017	5.0	89	0.00
78		Pyrene	40.000	37.784	5.5	103	0.00
79	S	Terphenyl-d14	80.000	75.750	5.3	105	0.00
80		Butylbenzylphthalate	40.000	41.781	-4.5	113	0.00
81		Benzo(a)anthracene	40.000	38.009	5.0	105	0.00
82		3,3'-Dichlorobenzidine	40.000	38.608	3.5	109	0.00
83		Chrysene	40.000	39.361	1.6	113	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.229	-10.6	120	0.00
85	c	Di-n-octyl phthalate	40.000	44.652	-11.6	123	0.01
86	I	Perylene-d12	20.000	20.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.551	3.6	101	0.00
88		Benzo(b)fluoranthene	40.000	39.352	1.6	108	0.00
89		Benzo(k)fluoranthene	40.000	41.182	-3.0	113	0.00
90	C	Benzo(a)pyrene	40.000	39.459	1.4	108	0.00
91		Dibenzo(a,h)anthracene	40.000	38.870	2.8	101	0.00
92		Benzo(g,h,i)perylene	40.000	38.536	3.7	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF020625

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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

Raw Data: **BF141301.D**

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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	

Raw Data: **BF141301.D**

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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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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.

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
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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
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Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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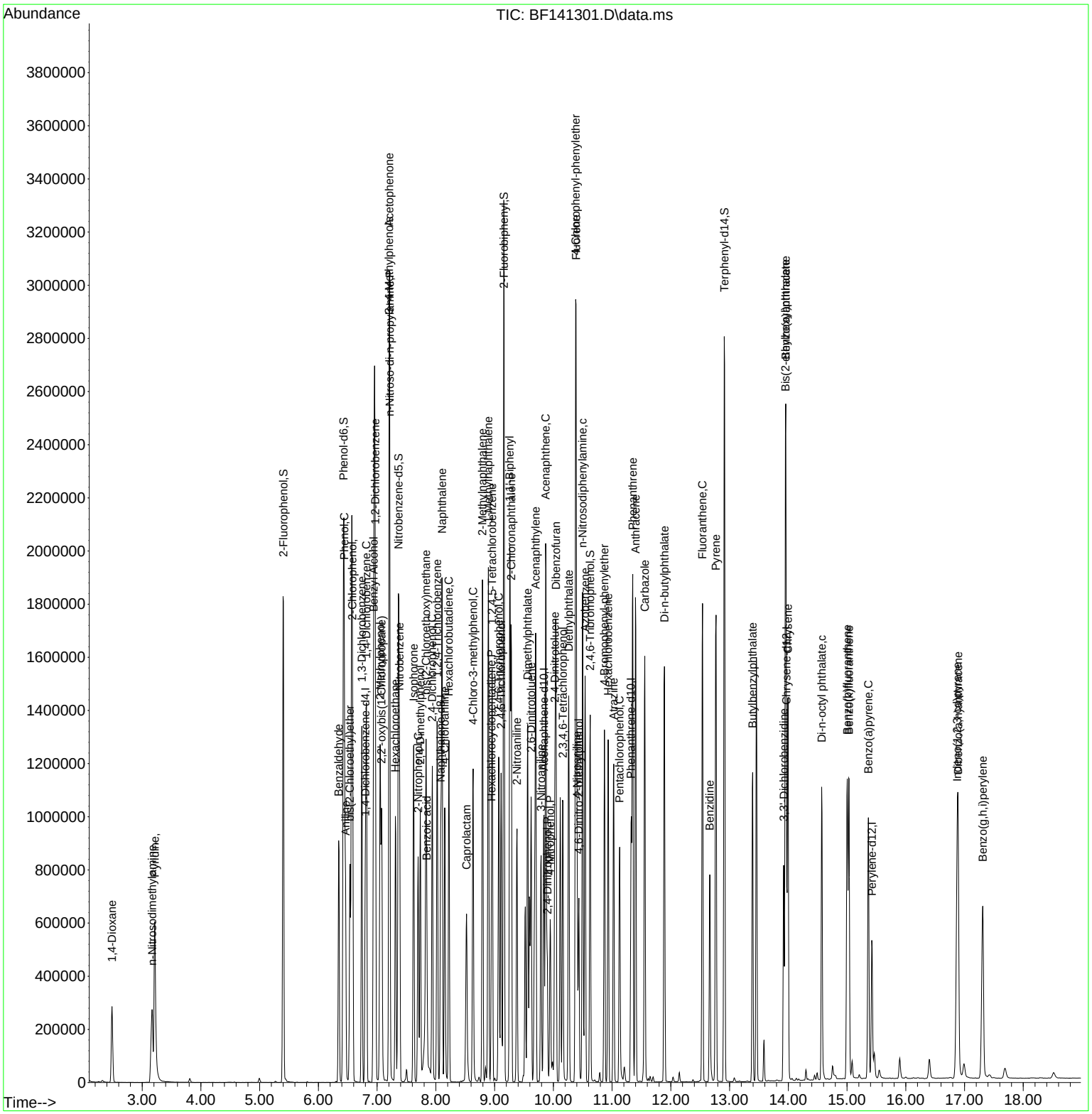
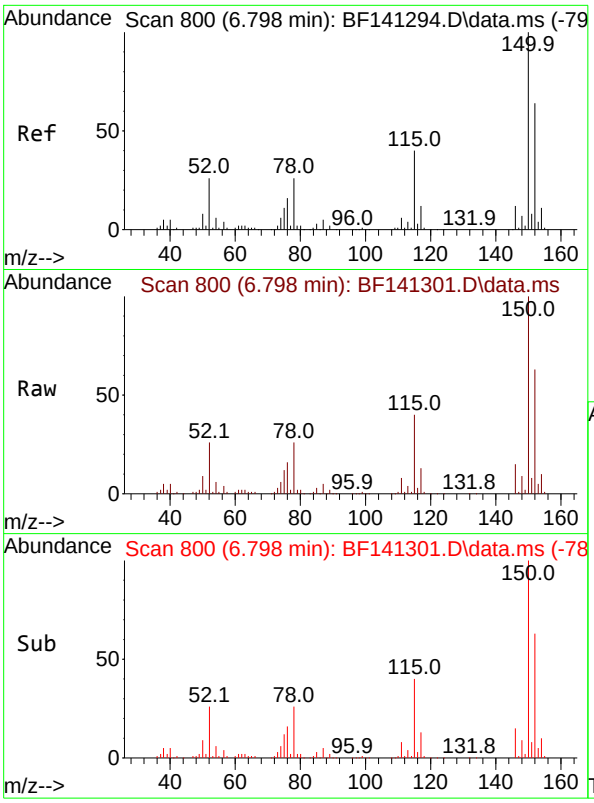


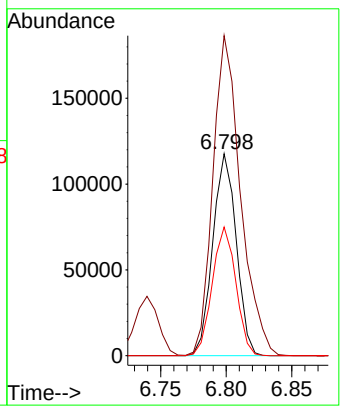


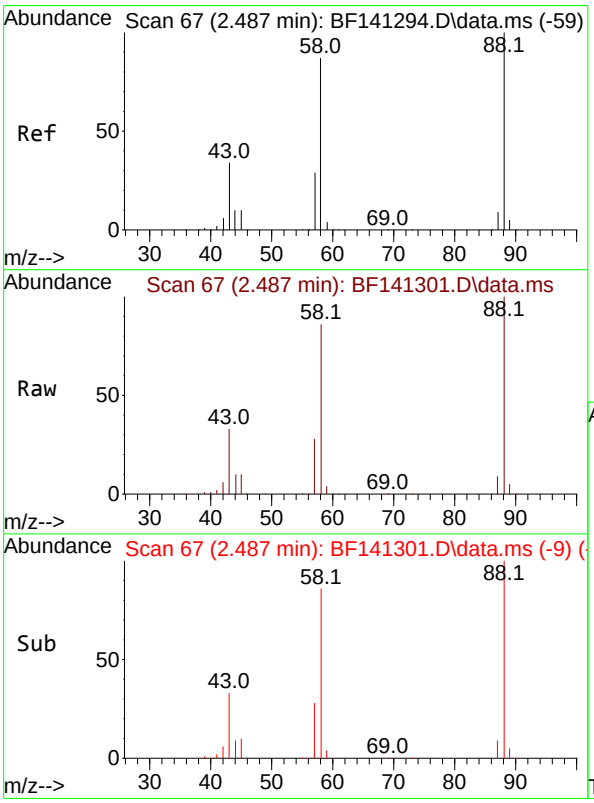
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

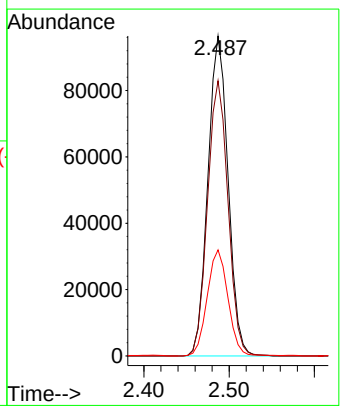


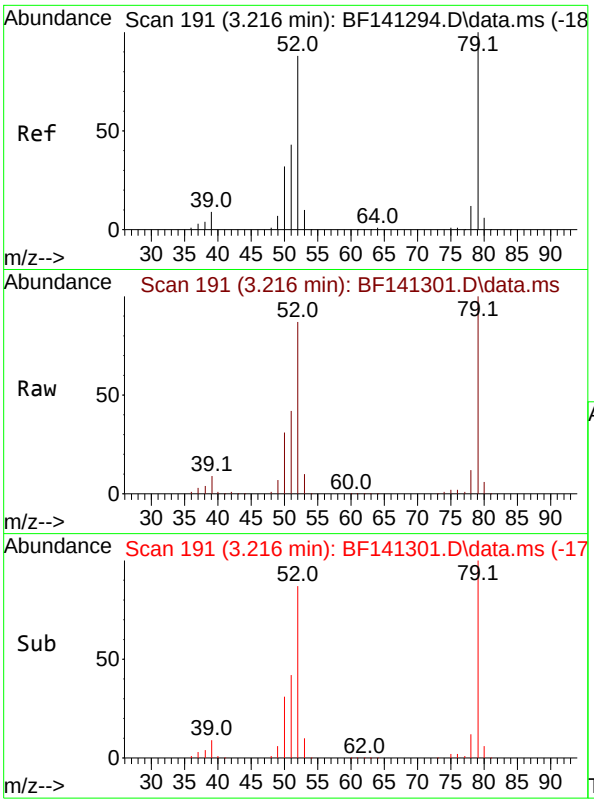


#2
1,4-Dioxane
Concen: 37.813 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



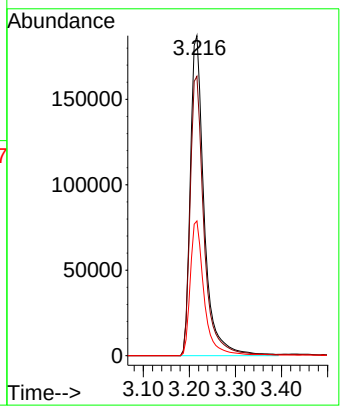


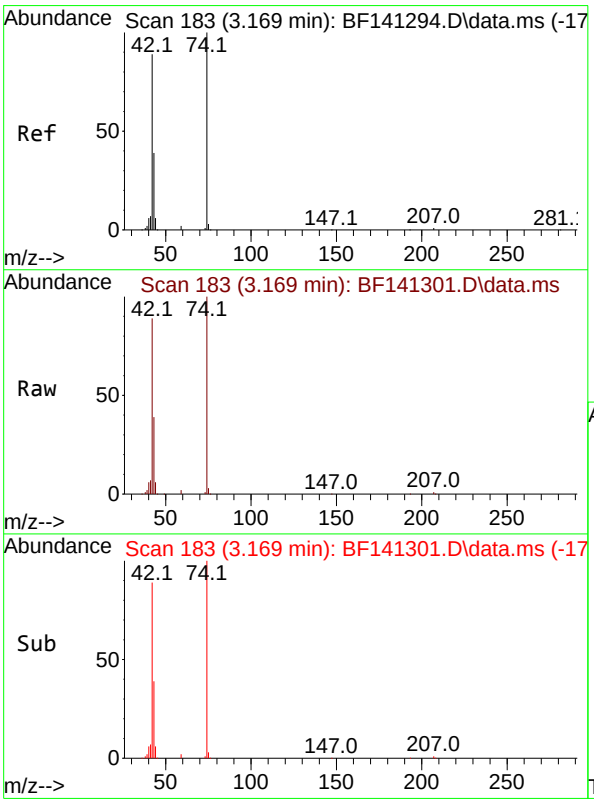
#3
Pyridine
Concen: 38.682 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

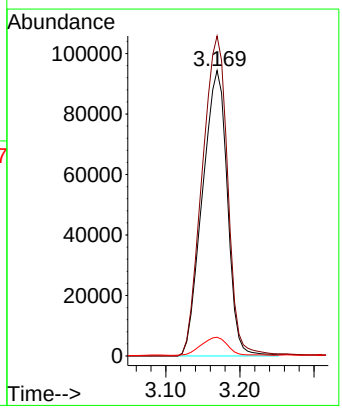


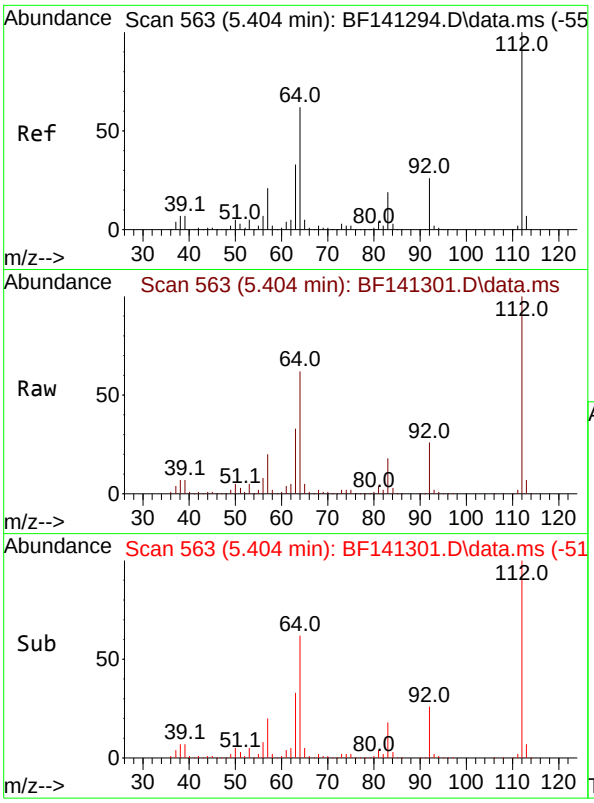


#4
n-Nitrosodimethylamine
Concen: 38.256 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



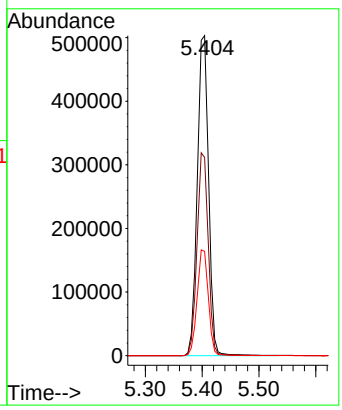


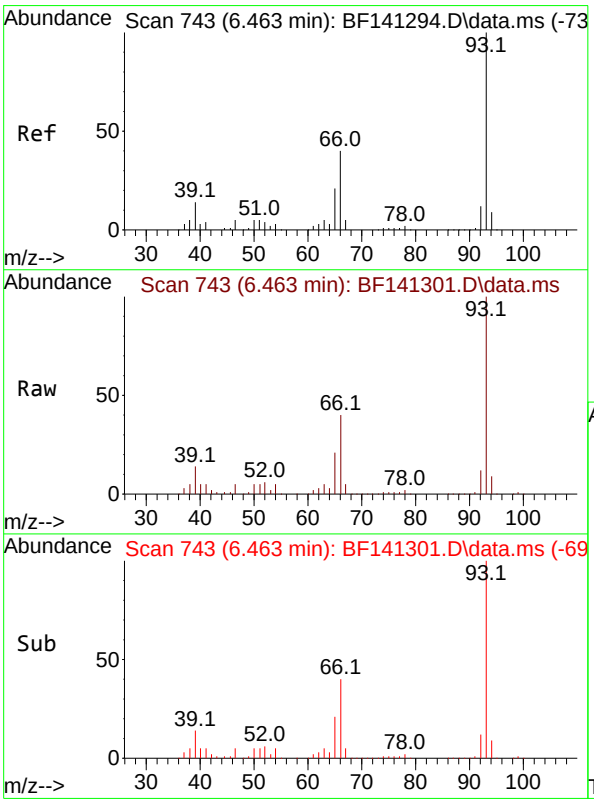
#5
2-Fluorophenol
Concen: 73.339 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

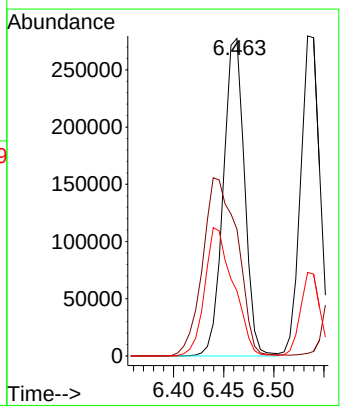


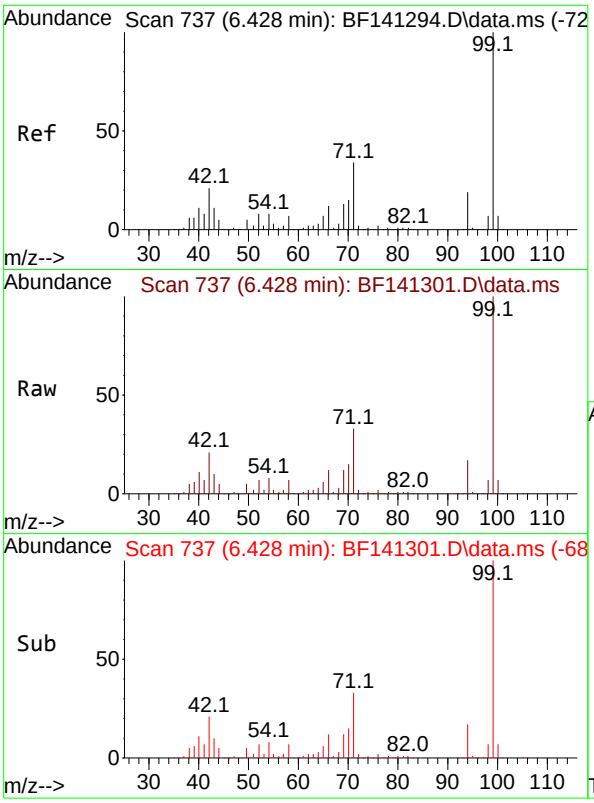


#6
Aniline
Concen: 39.701 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



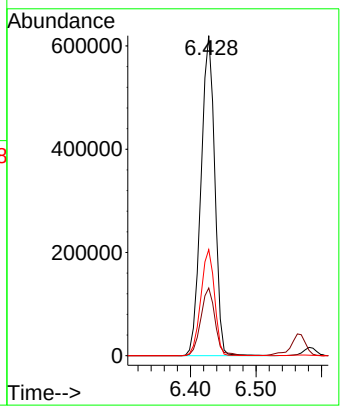


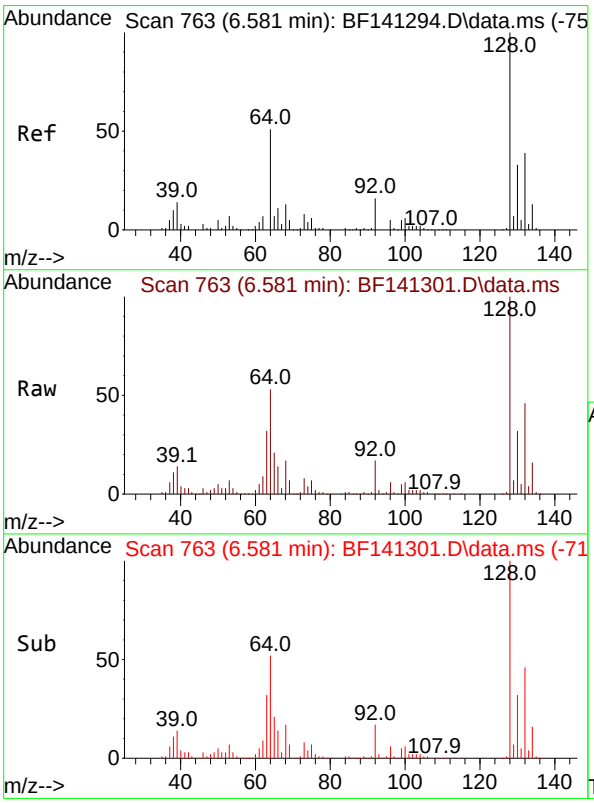
#7
Phenol-d6
Concen: 74.578 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

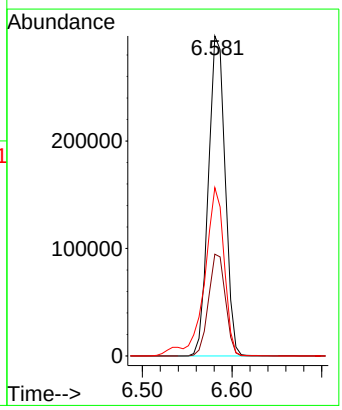


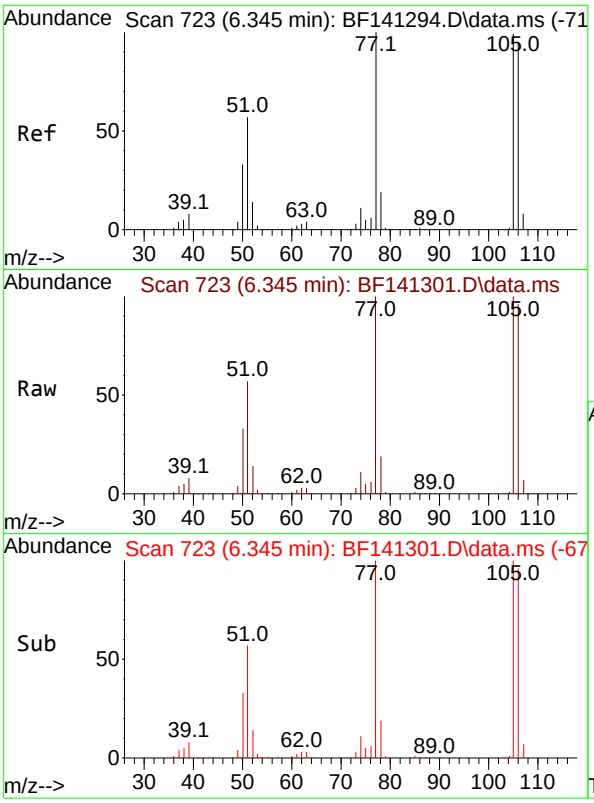


#8
2-Chlorophenol
Concen: 37.714 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



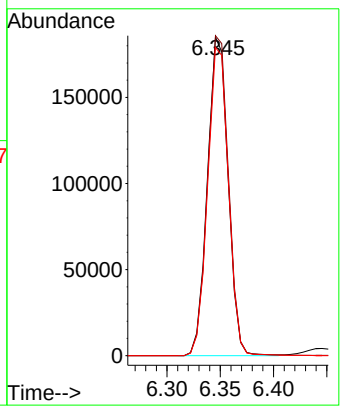


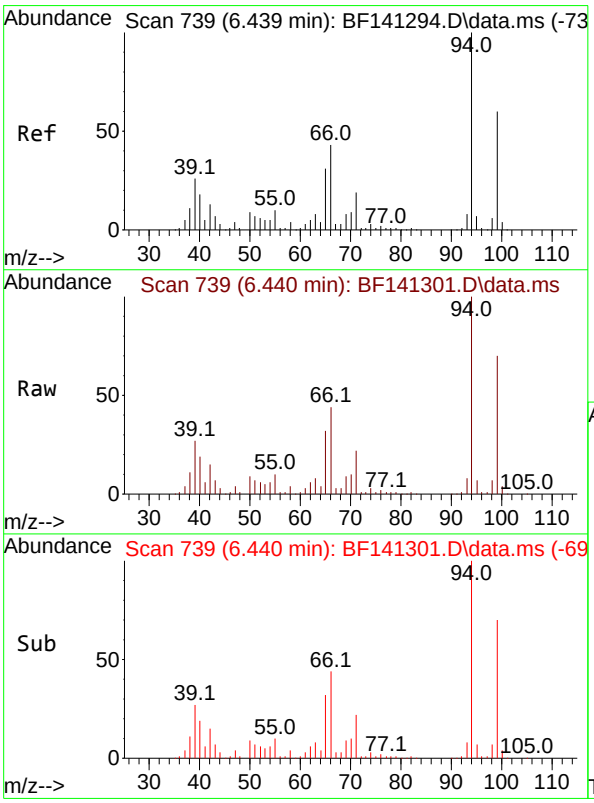
#9
Benzaldehyde
Concen: 35.516 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

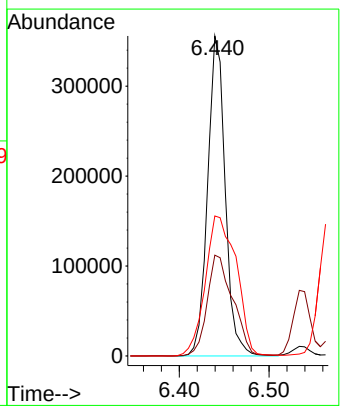


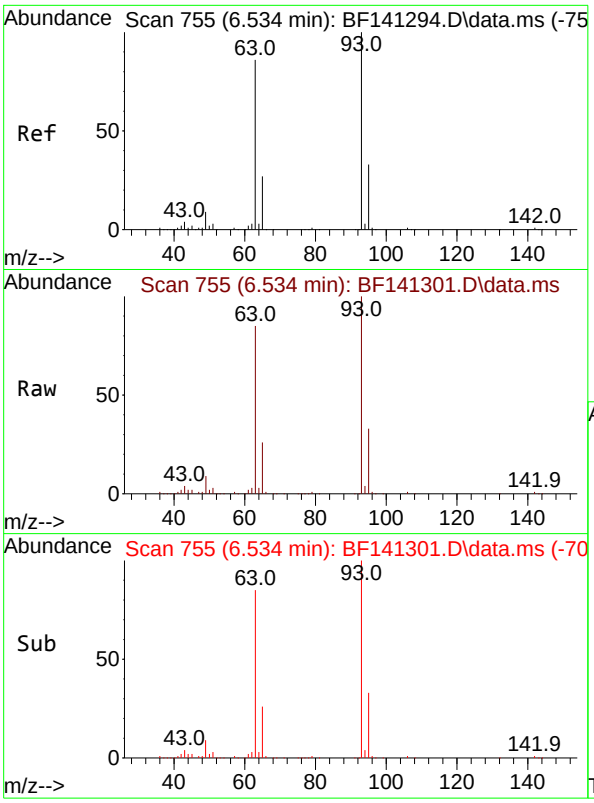


#10
Phenol
Concen: 37.734 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



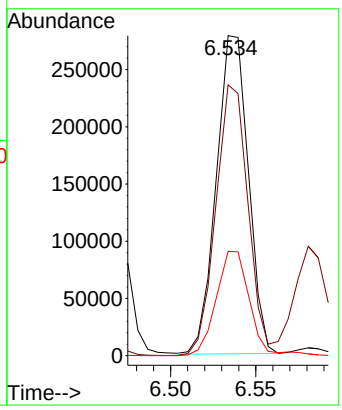


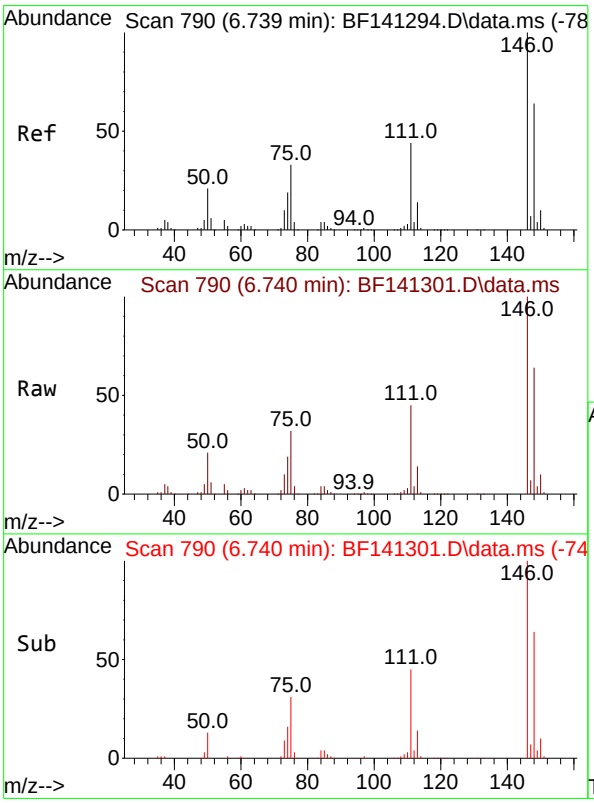
#11
bis(2-Chloroethyl)ether
Concen: 36.896 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

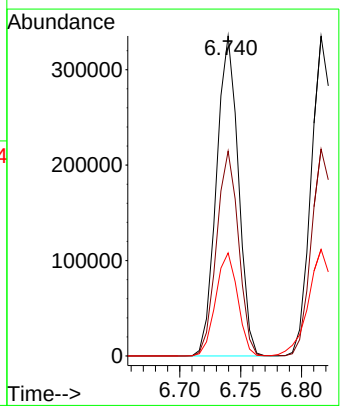


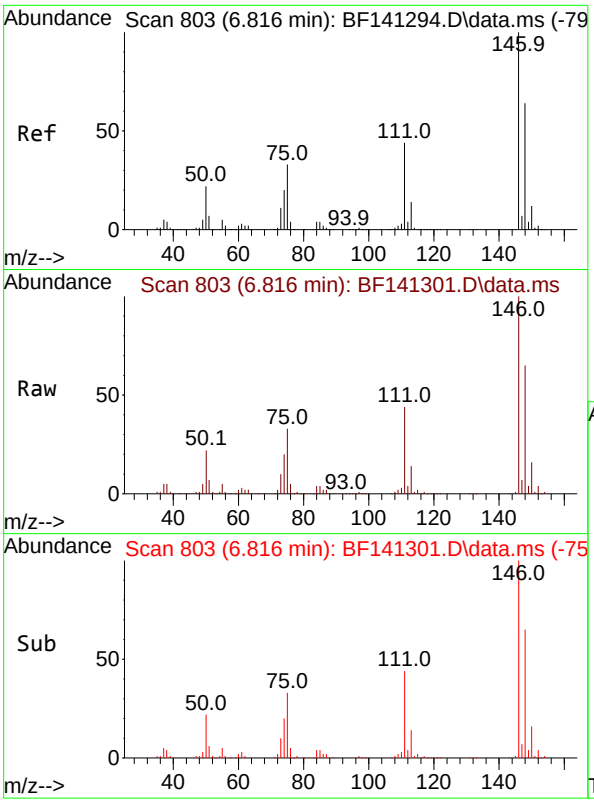


#12
1,3-Dichlorobenzene
Concen: 37.233 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



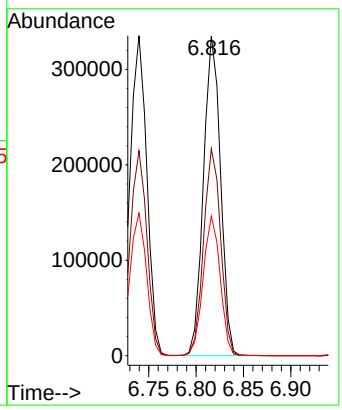


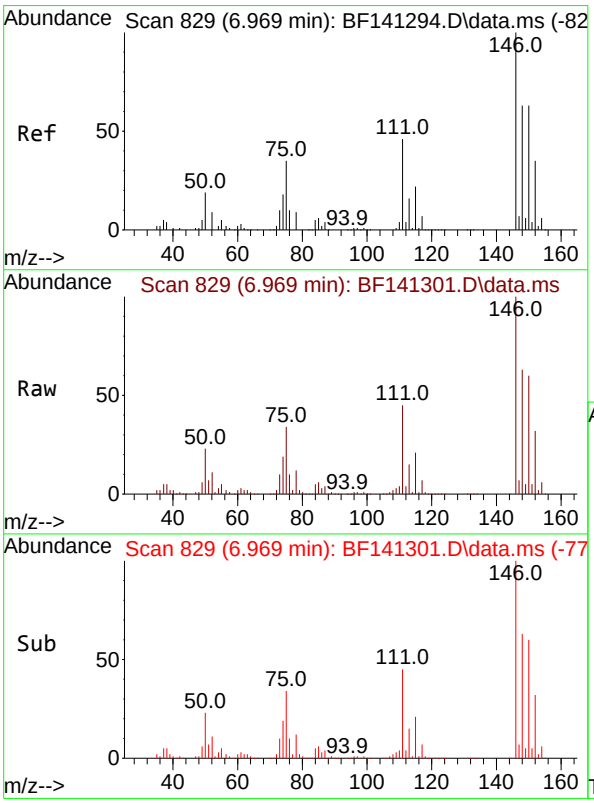
#13
1,4-Dichlorobenzene
Concen: 37.052 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

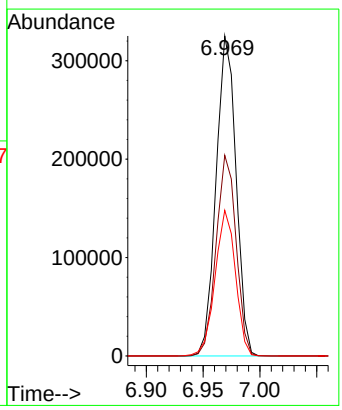


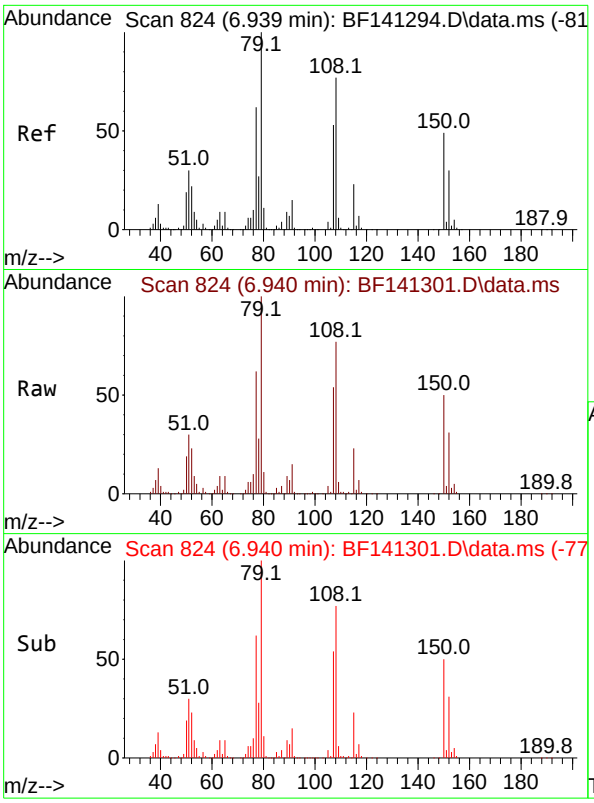


#14
1,2-Dichlorobenzene
Concen: 37.501 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



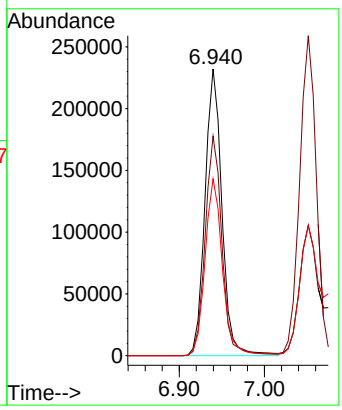


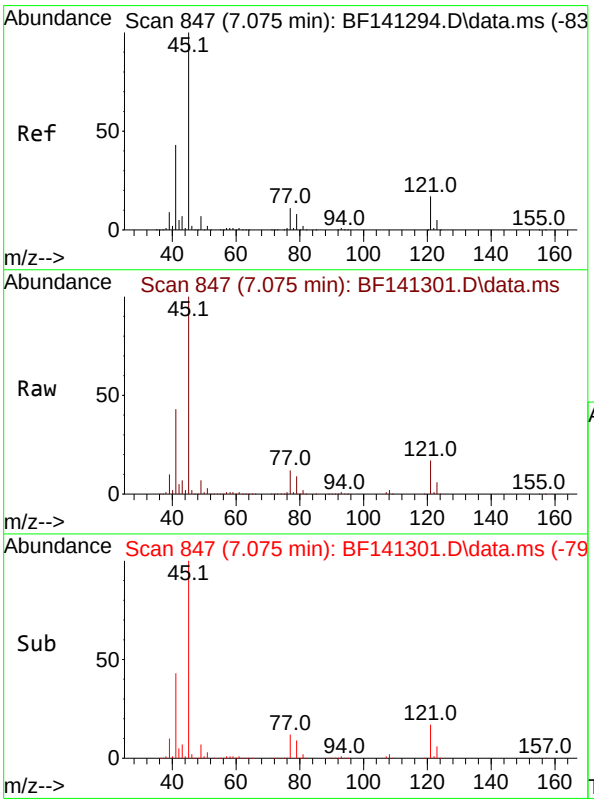
#15
Benzyl Alcohol
Concen: 38.584 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

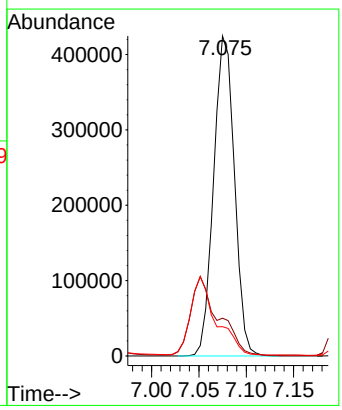


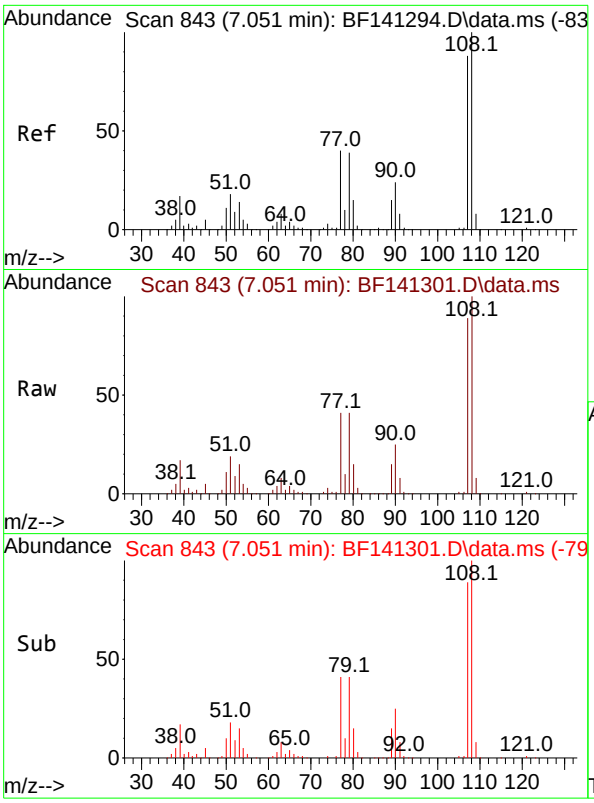


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.839 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



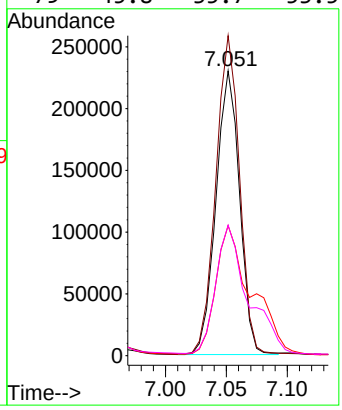


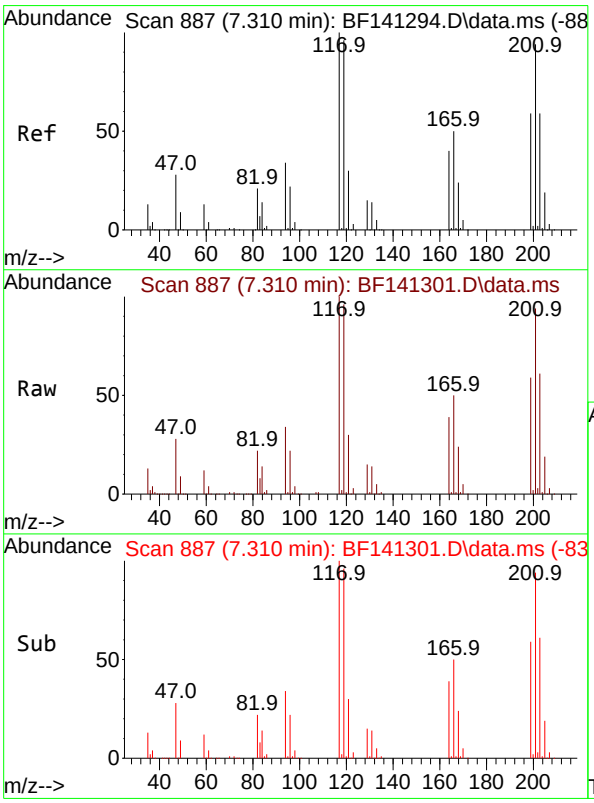
#17
2-Methylphenol
Concen: 37.247 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

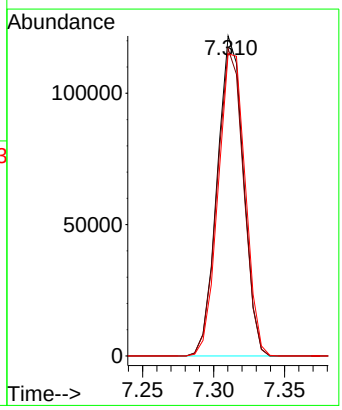


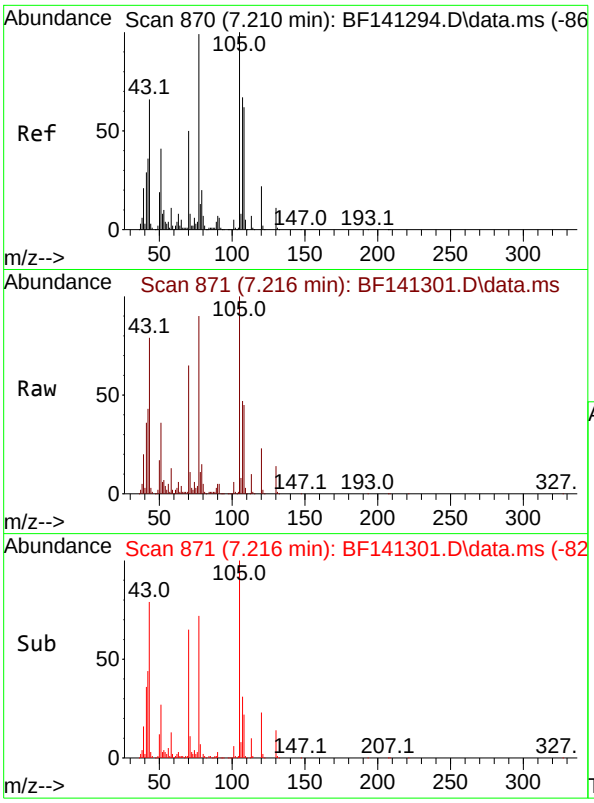


#18
Hexachloroethane
Concen: 37.348 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



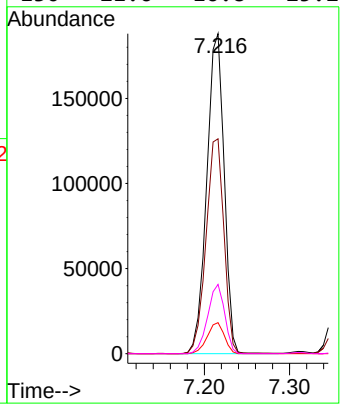


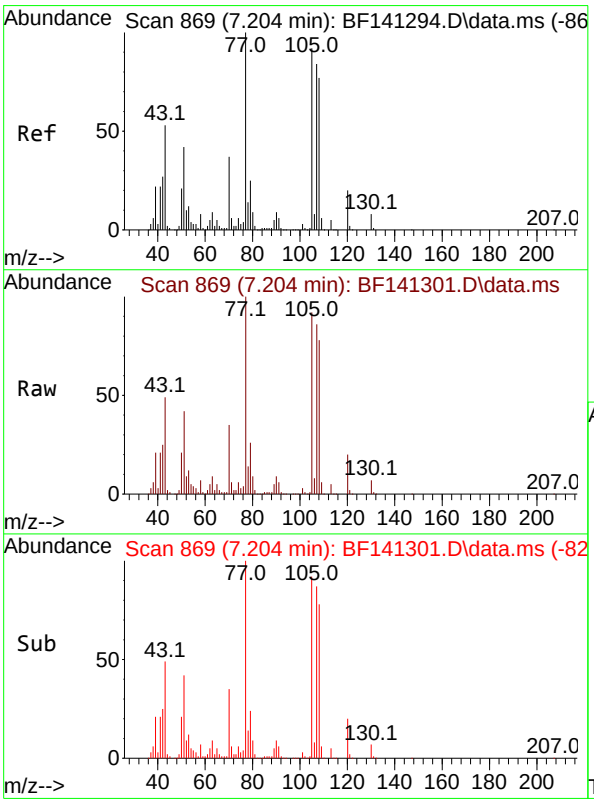
#19
n-Nitroso-di-n-propylamine
Concen: 37.005 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

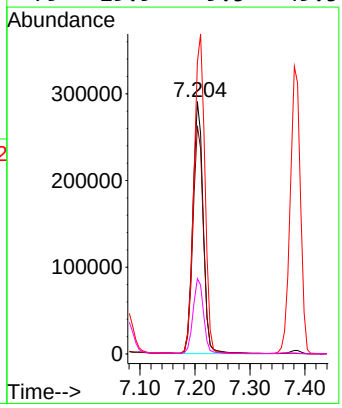


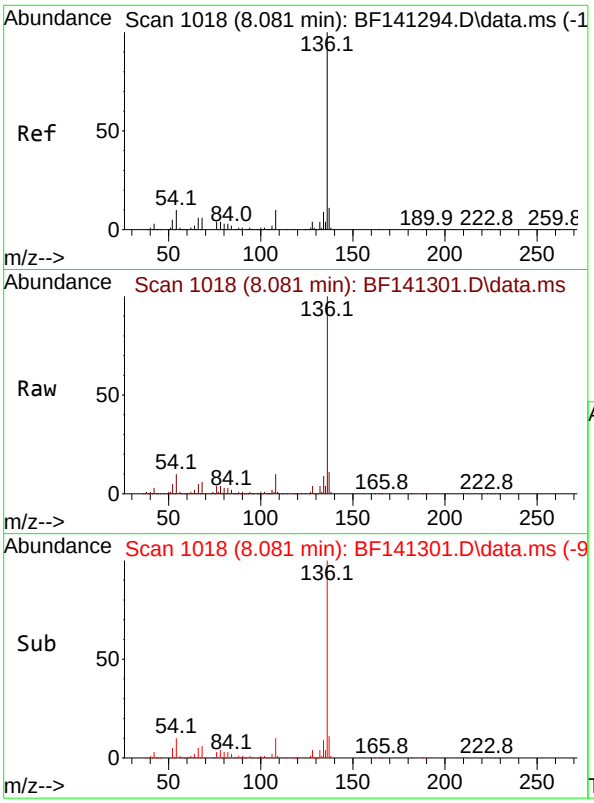


#20
3+4-Methylphenols
Concen: 37.247 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



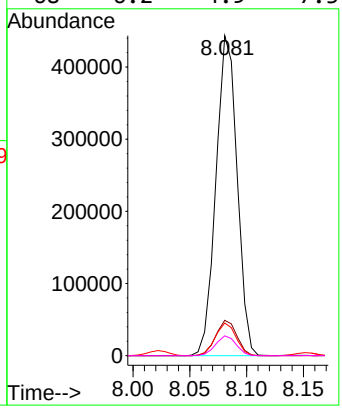


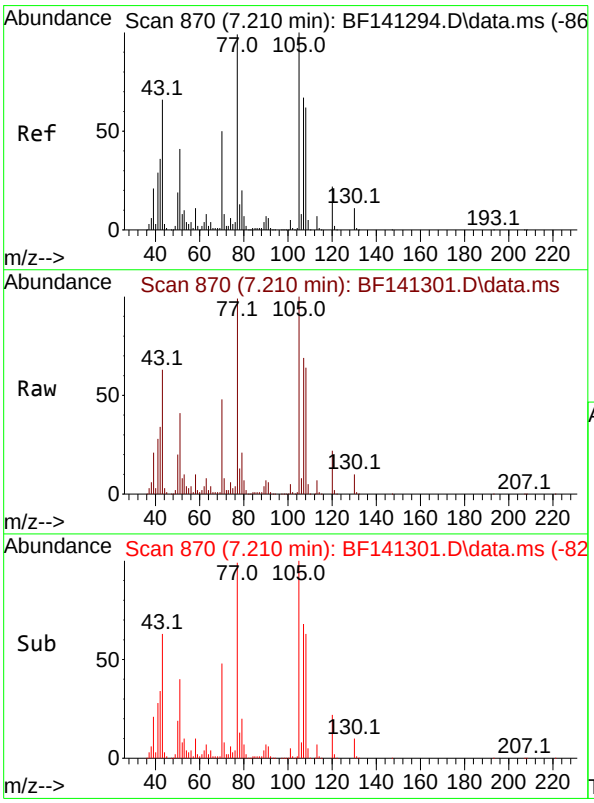
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

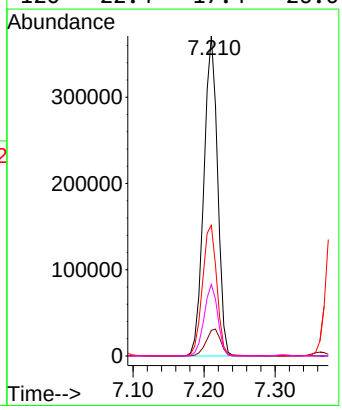


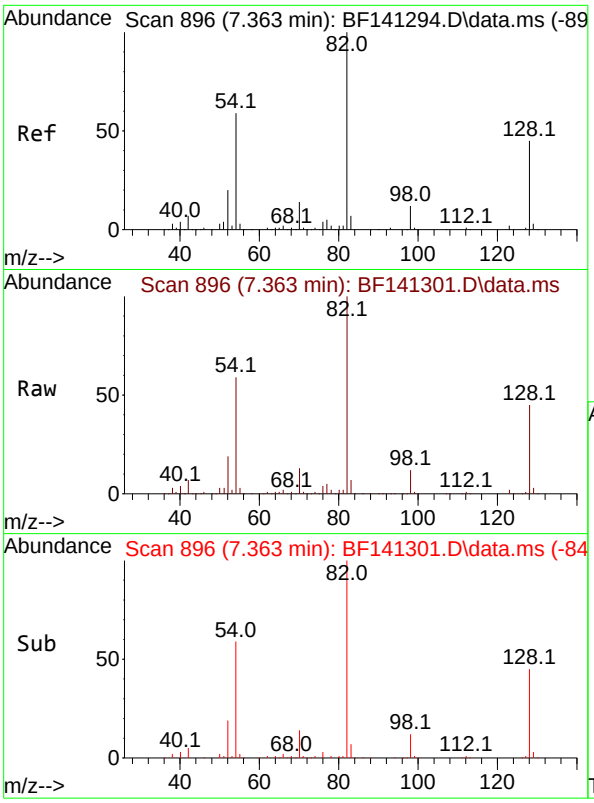


#22
Acetophenone
Concen: 36.587 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



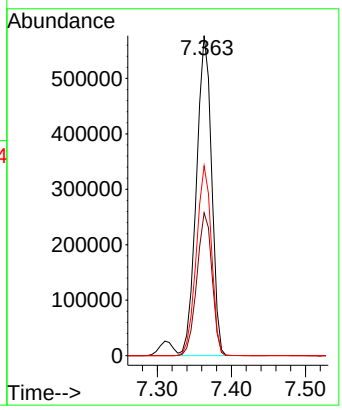


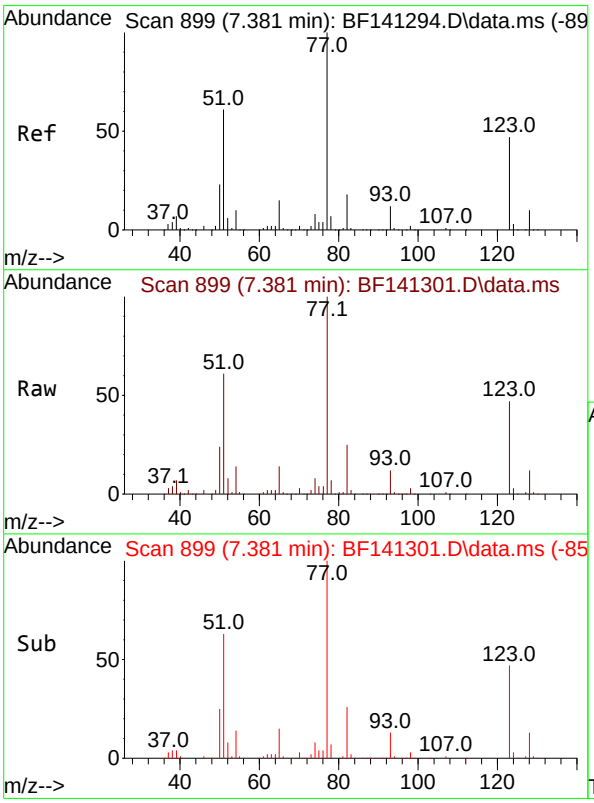
#23
Nitrobenzene-d5
Concen: 75.011 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

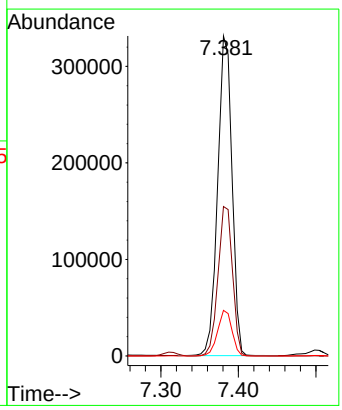


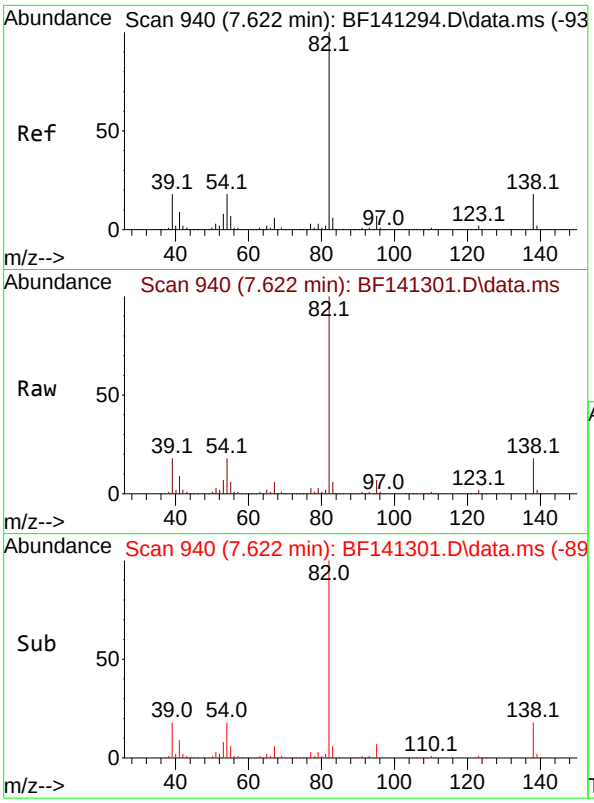


#24
Nitrobenzene
Concen: 37.656 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



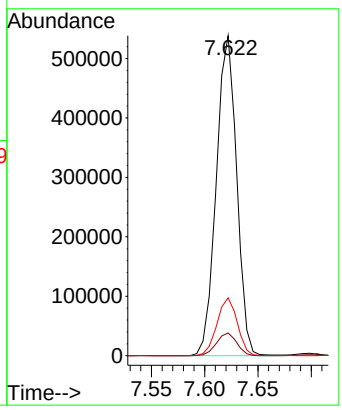


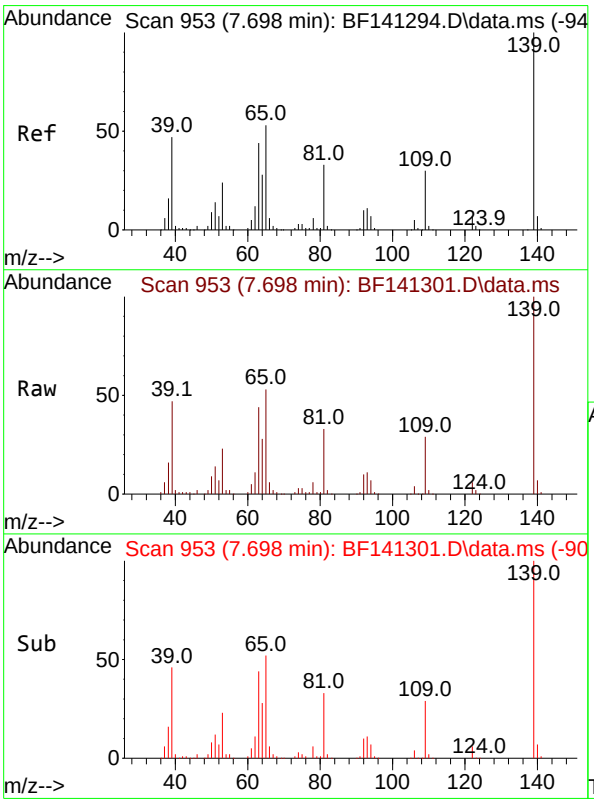
#25
Isophorone
Concen: 37.866 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

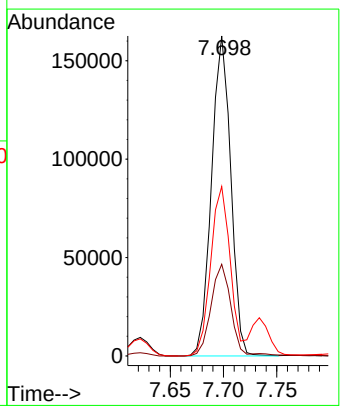


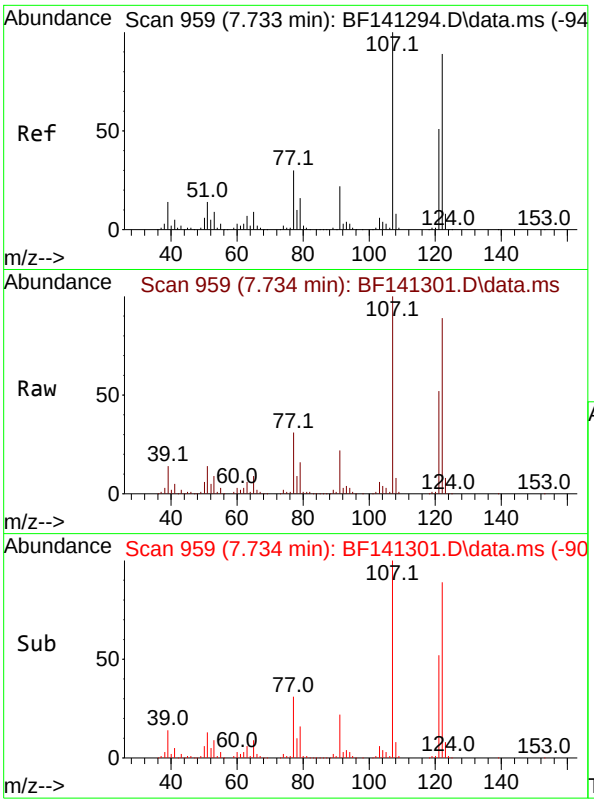


#26
2-Nitrophenol
Concen: 38.187 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



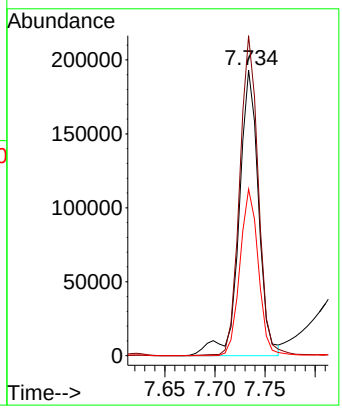


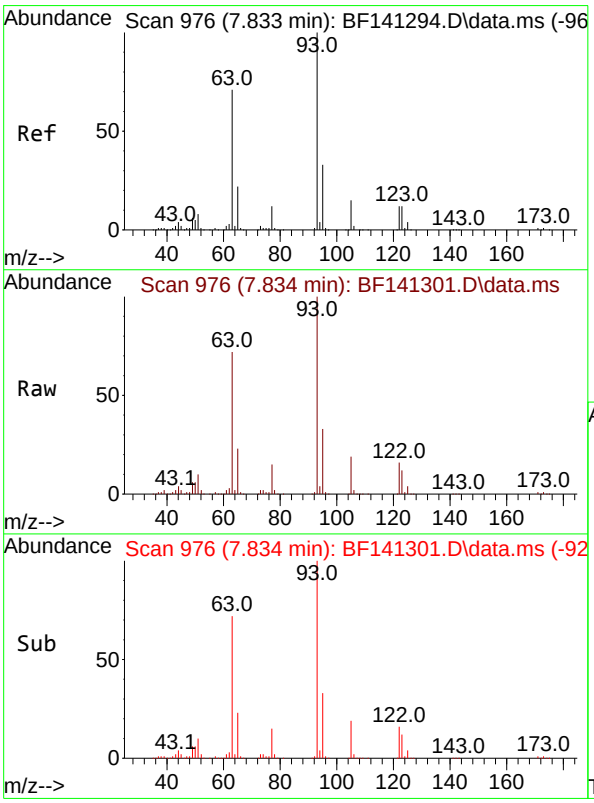
#27
2,4-Dimethylphenol
Concen: 38.454 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

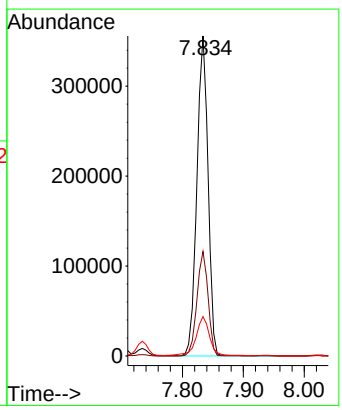


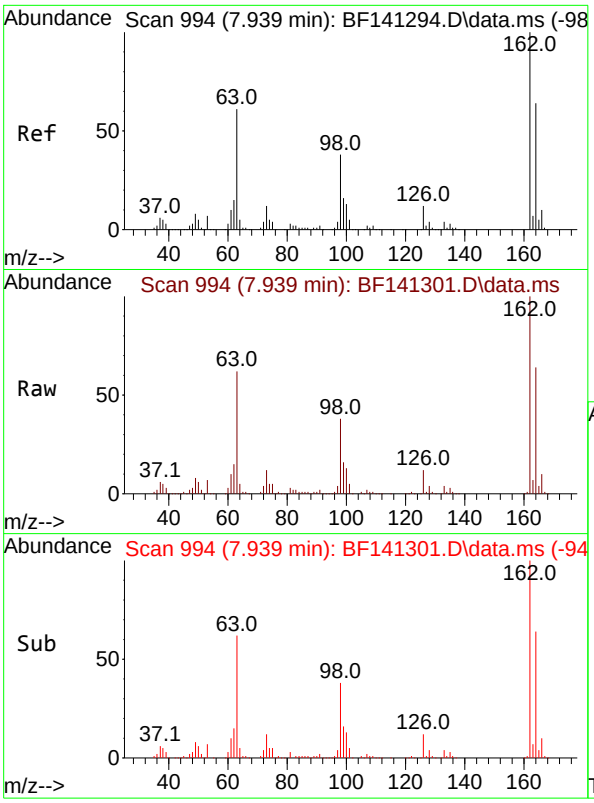


#28
bis(2-Chloroethoxy)methane
Concen: 37.666 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



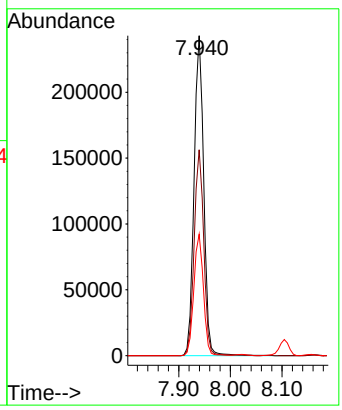


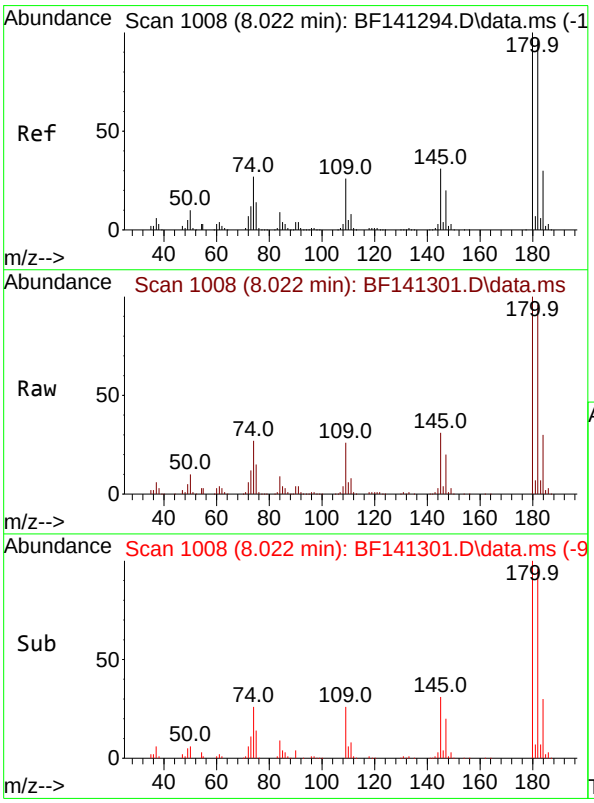
#29
2,4-Dichlorophenol
Concen: 37.822 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

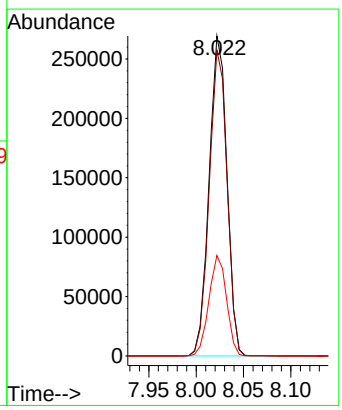


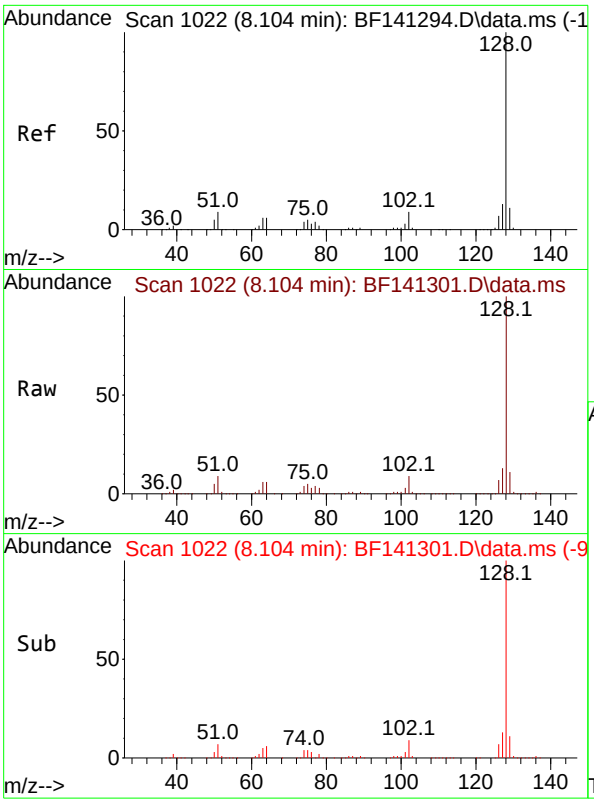


#30
1,2,4-Trichlorobenzene
Concen: 37.030 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



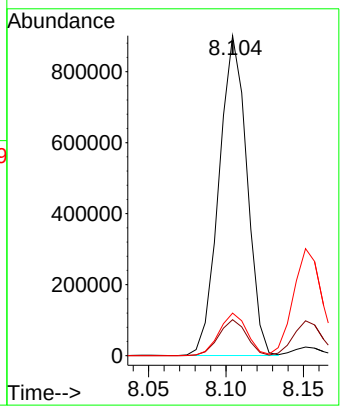


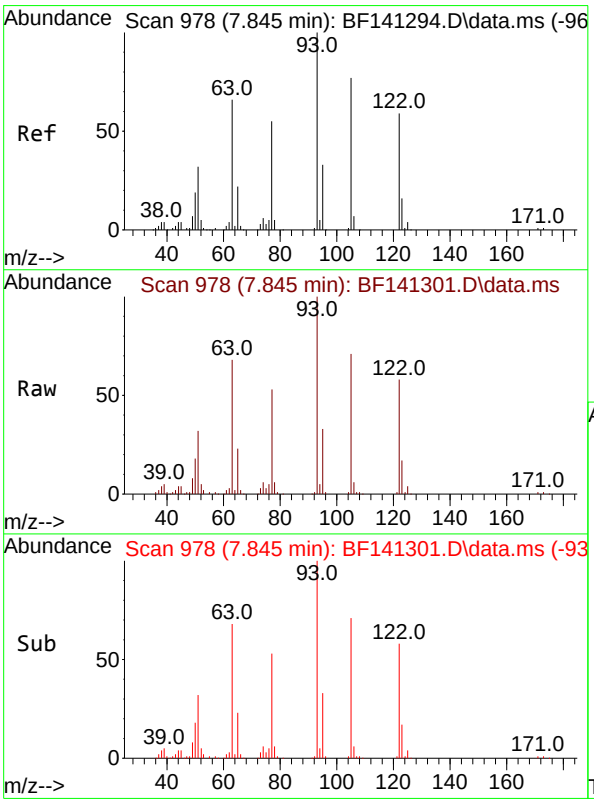
#31
Naphthalene
Concen: 37.109 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

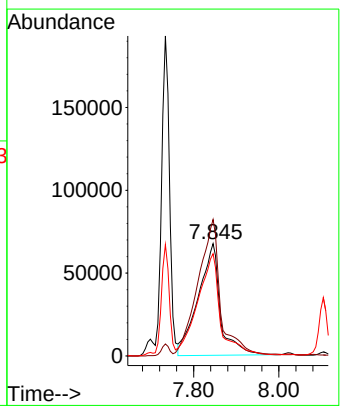


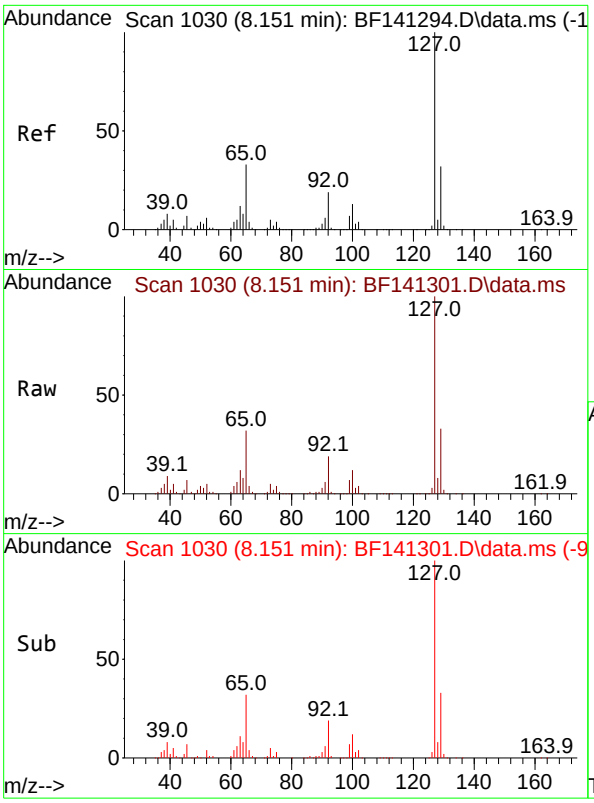


#32
Benzoic acid
Concen: 38.870 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



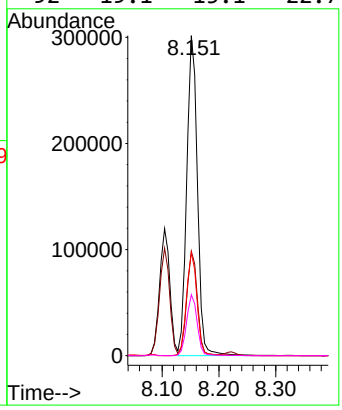


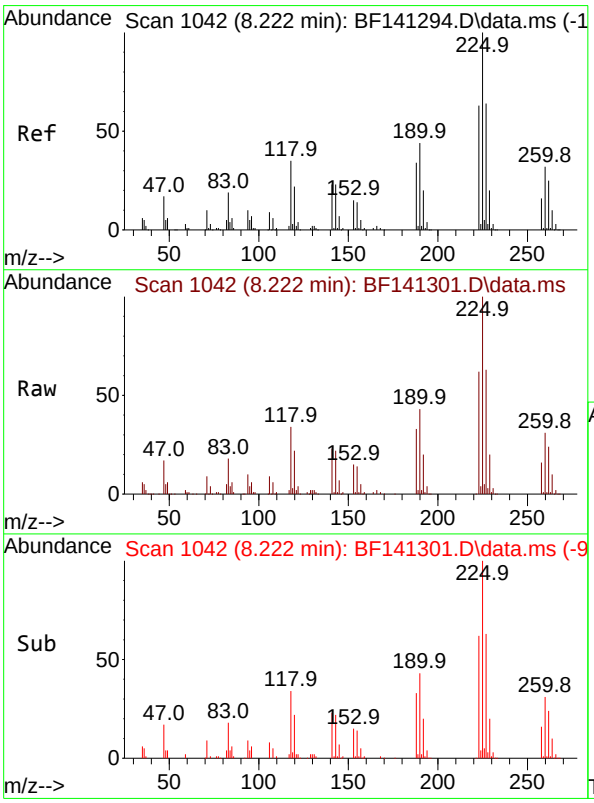
#33
4-Chloroaniline
Concen: 38.063 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

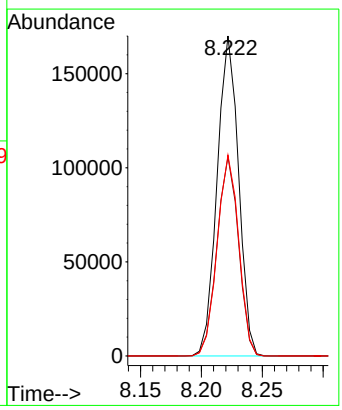


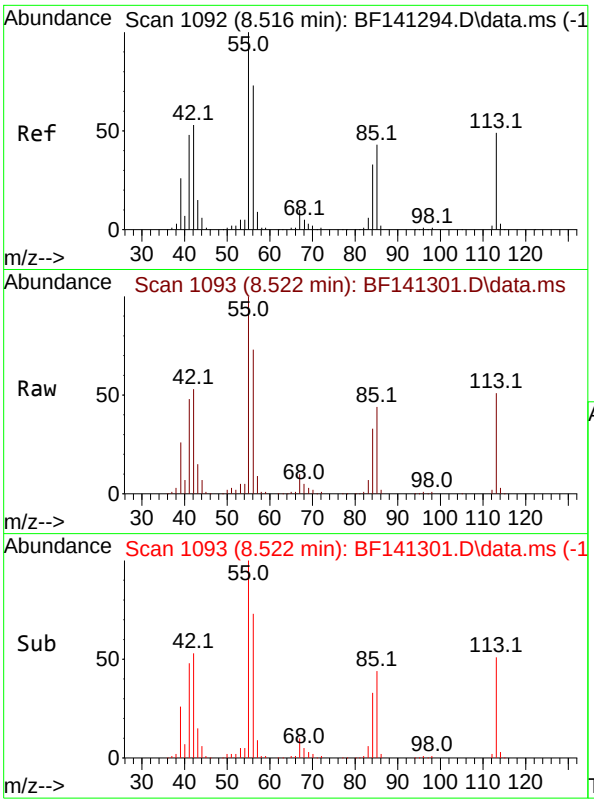


#34
Hexachlorobutadiene
Concen: 37.404 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



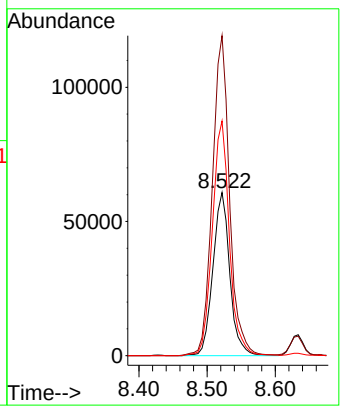


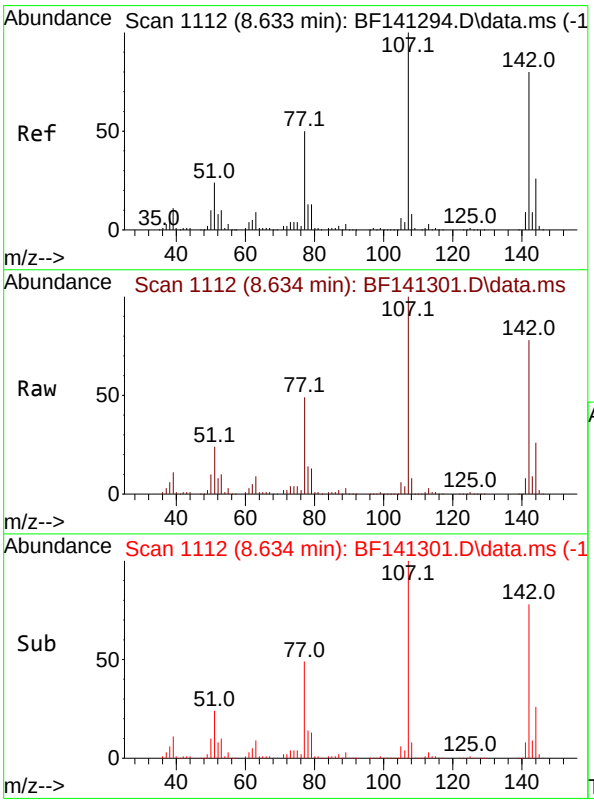
#35
Caprolactam
Concen: 38.592 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

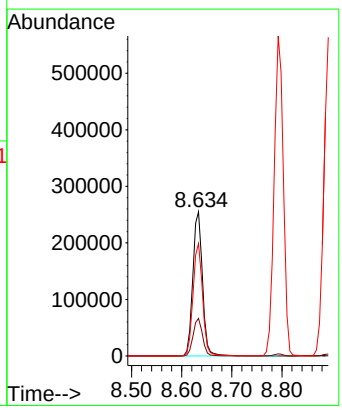


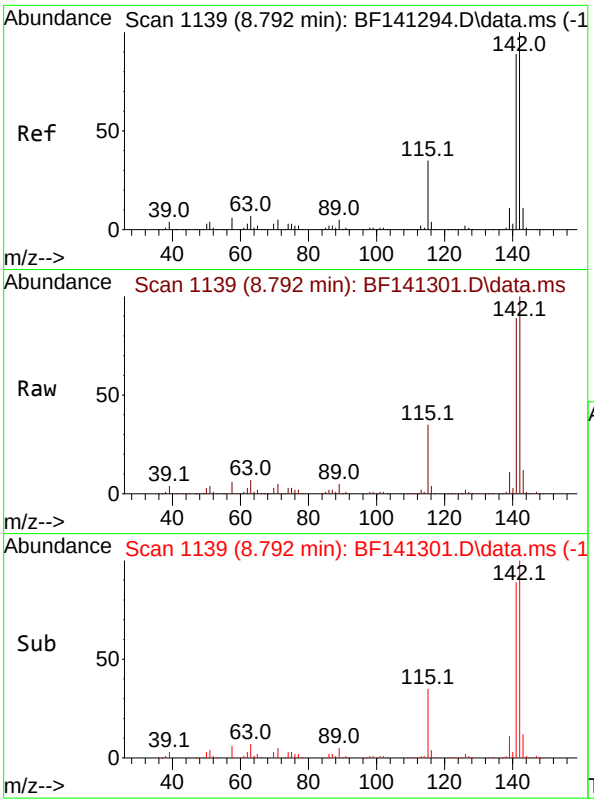


#36
4-Chloro-3-methylphenol
Concen: 38.080 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



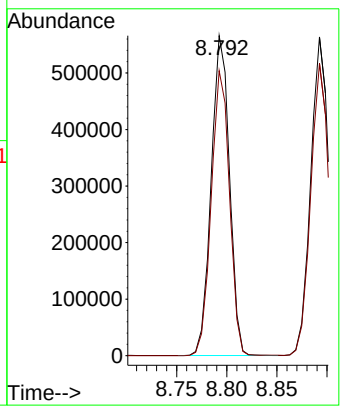


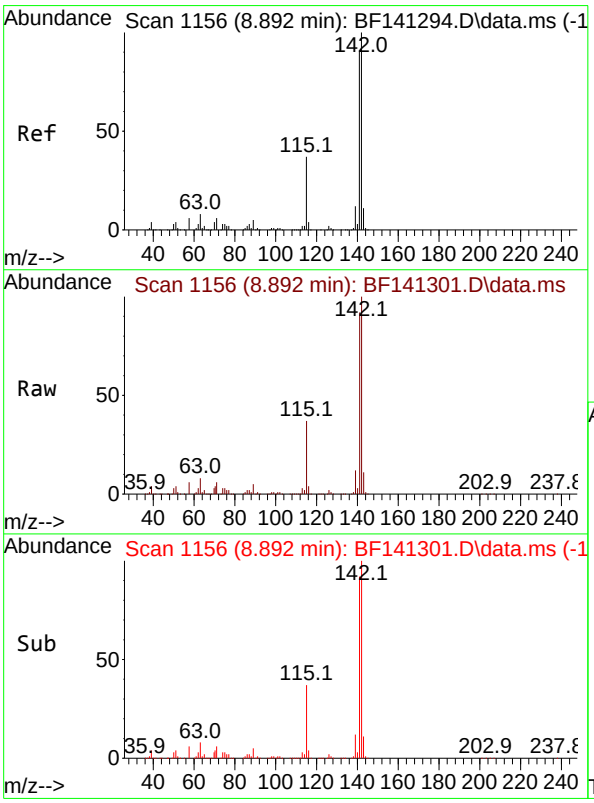
#37
2-Methylnaphthalene
Concen: 37.063 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 716771

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

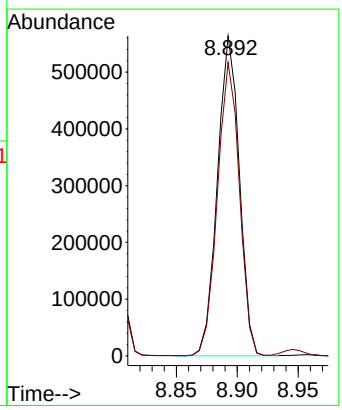


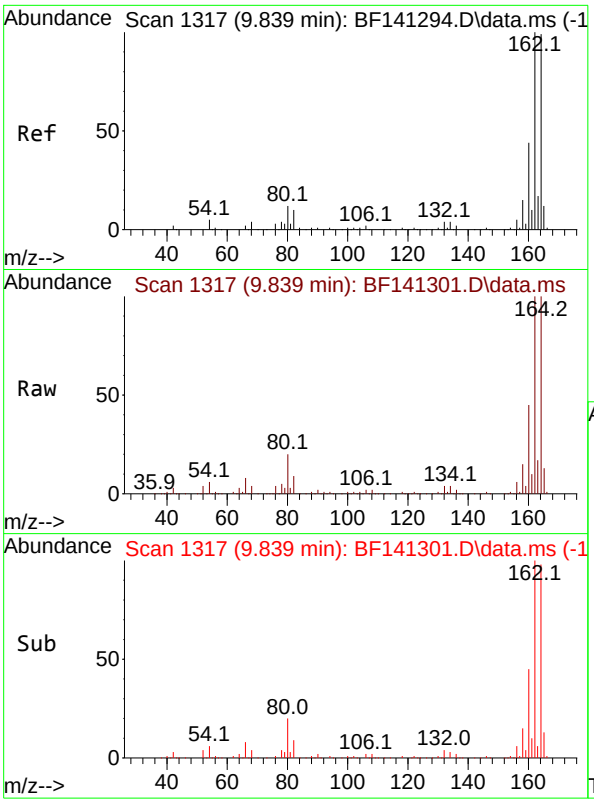


#38
1-Methylnaphthalene
Concen: 37.152 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:142 Resp: 705777

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8



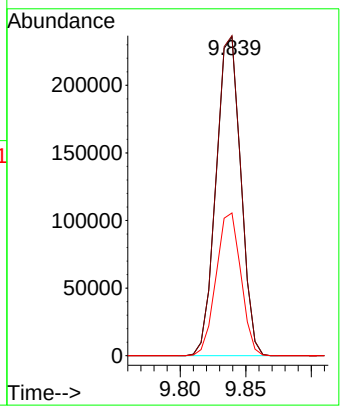


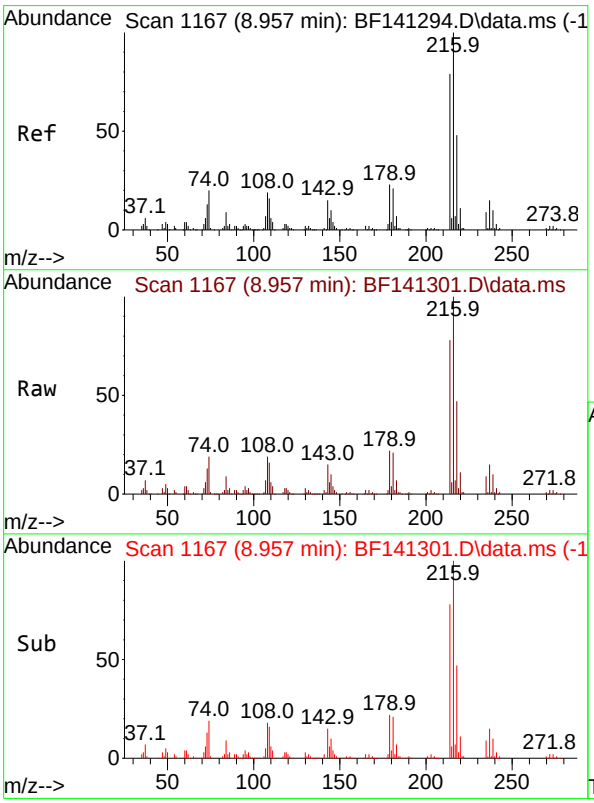
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

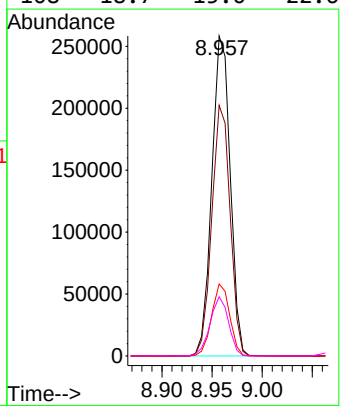


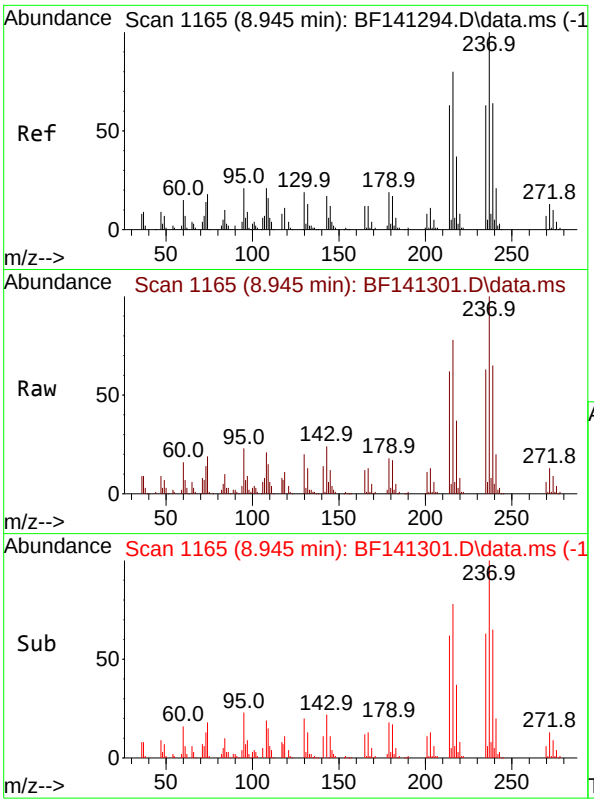


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.450 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



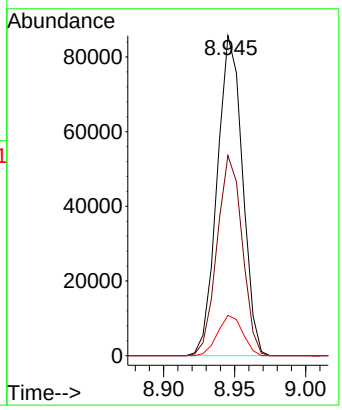


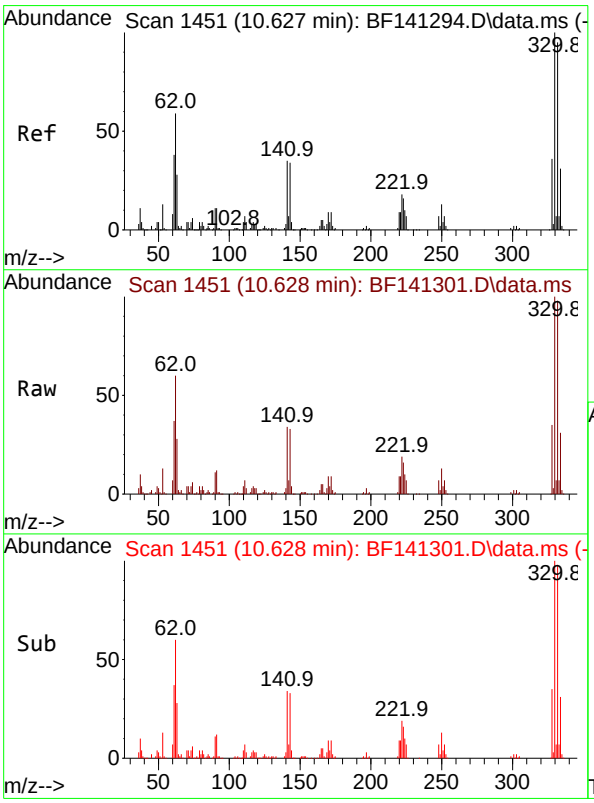
#41
Hexachlorocyclopentadiene
Concen: 40.862 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

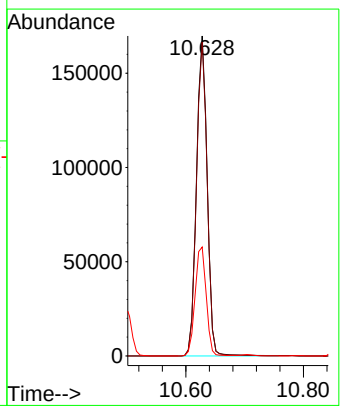


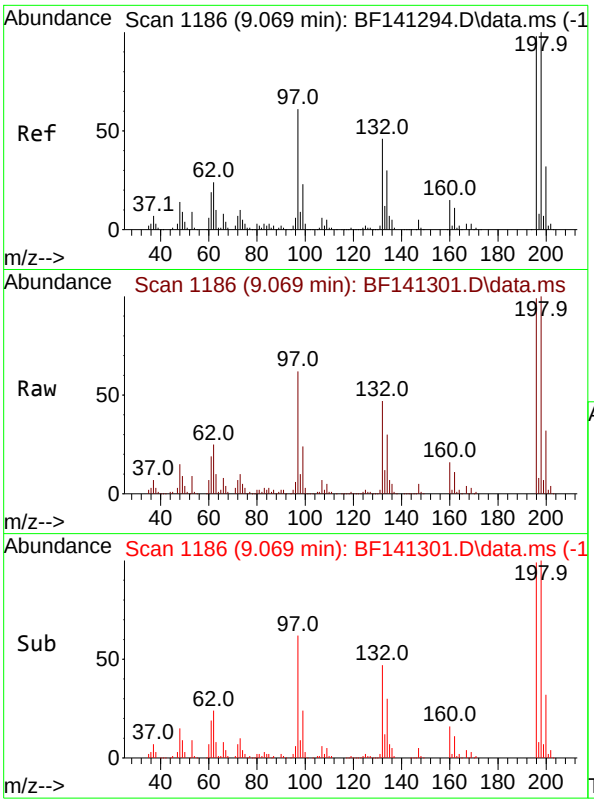


#42
2,4,6-Tribromophenol
Concen: 75.804 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



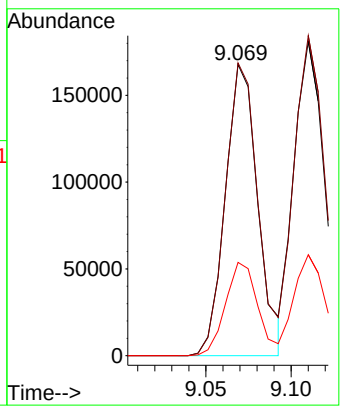


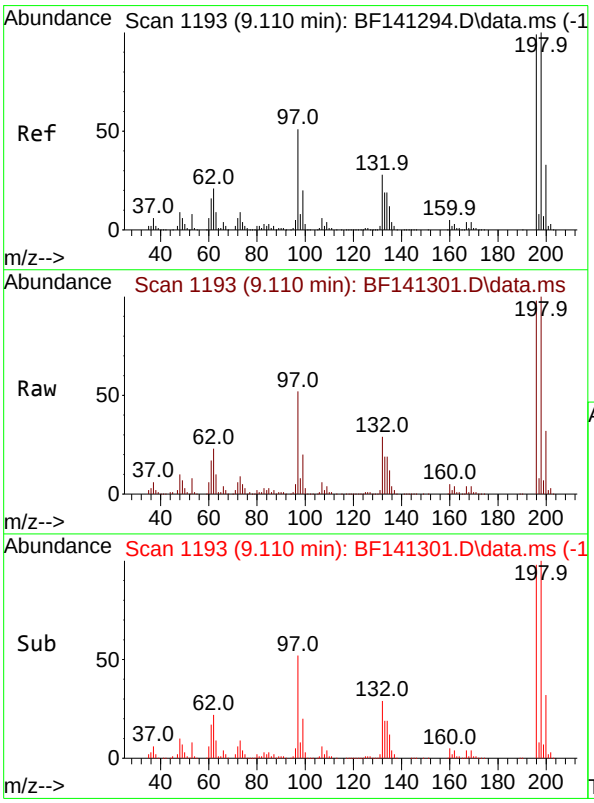
#43
2,4,6-Trichlorophenol
Concen: 38.755 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

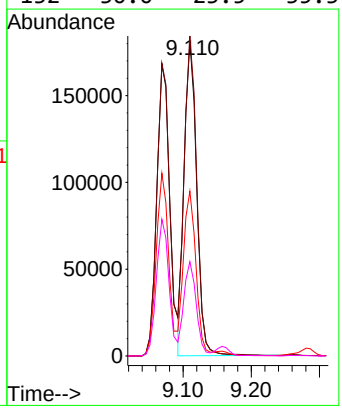


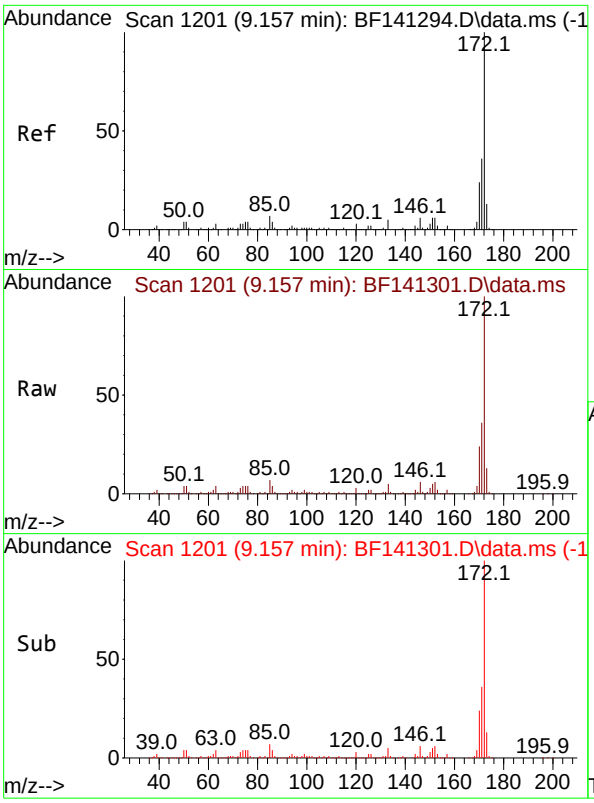


#44
2,4,5-Trichlorophenol
Concen: 36.919 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



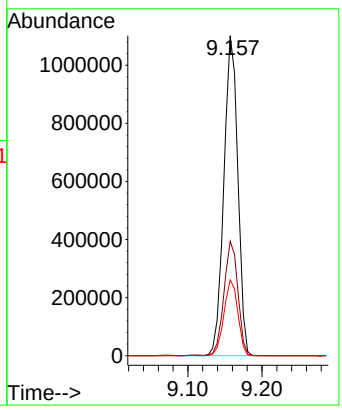


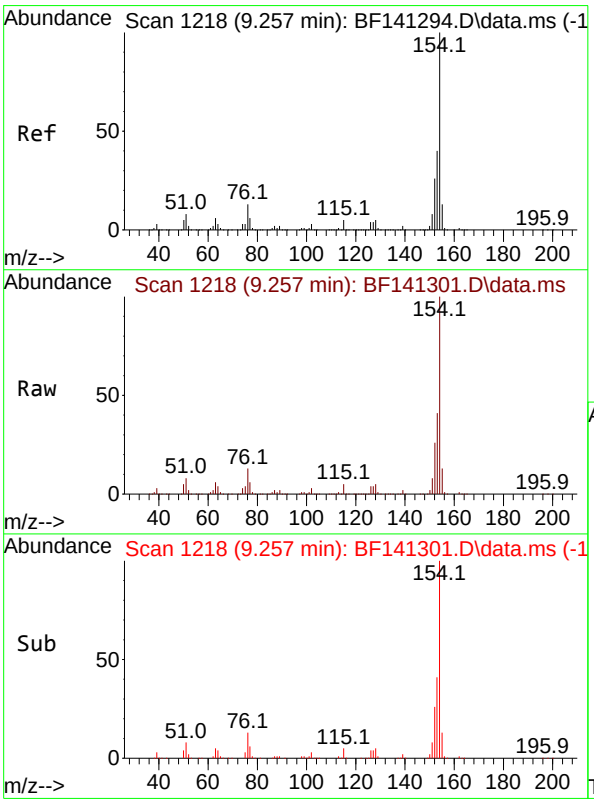
#45
2-Fluorobiphenyl
Concen: 71.765 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

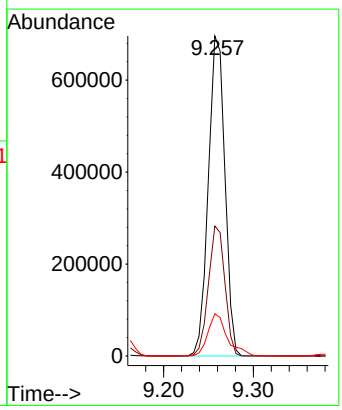


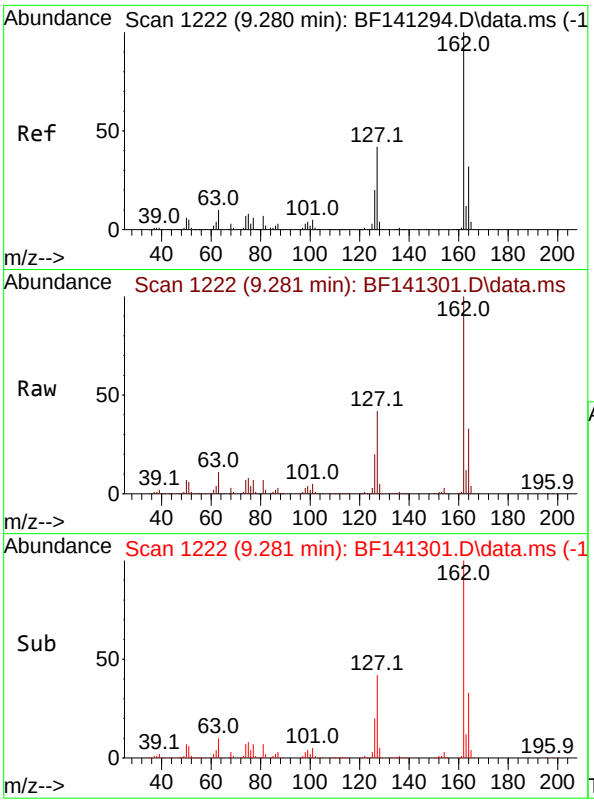


#46
1,1'-Biphenyl
Concen: 37.042 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



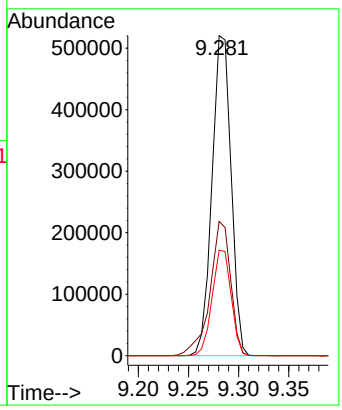


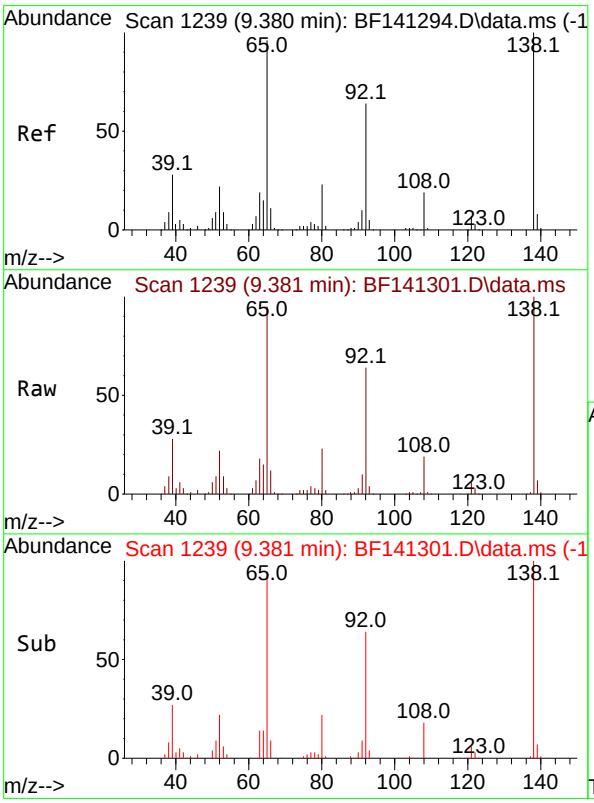
#47
2-Chloronaphthalene
Concen: 36.699 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

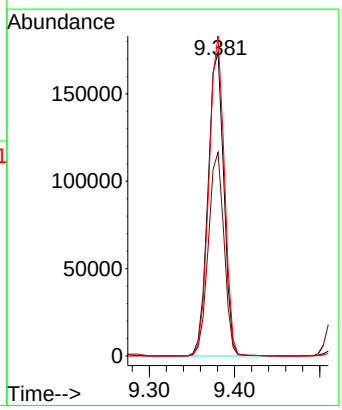


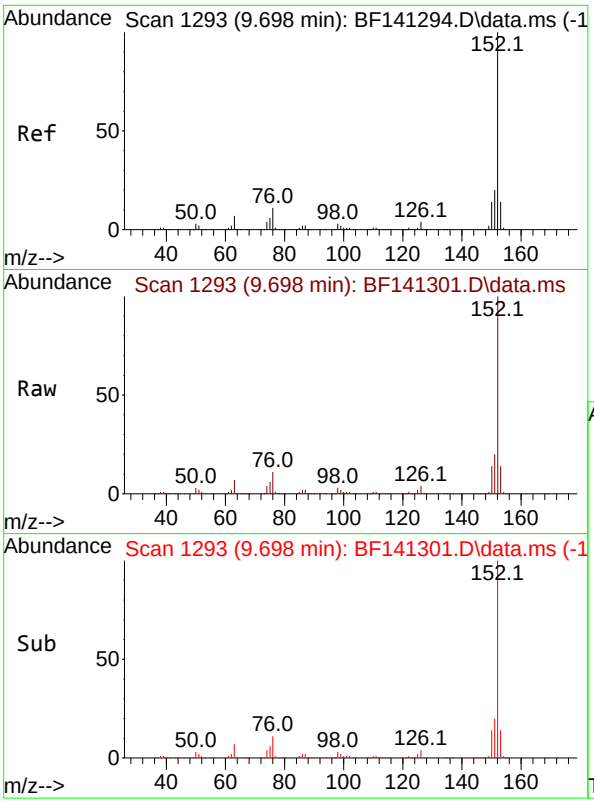


#48
2-Nitroaniline
Concen: 38.111 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



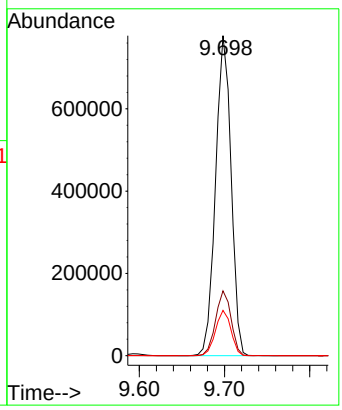


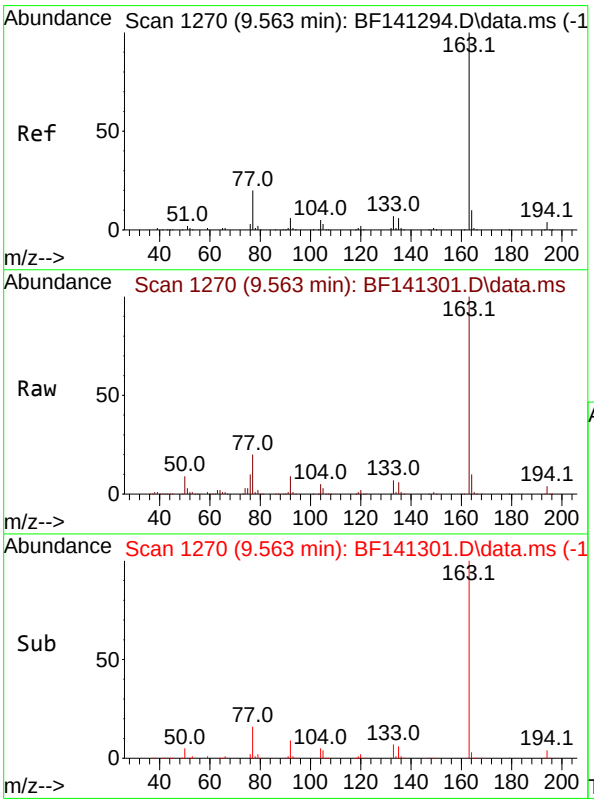
#49
Acenaphthylene
Concen: 37.463 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

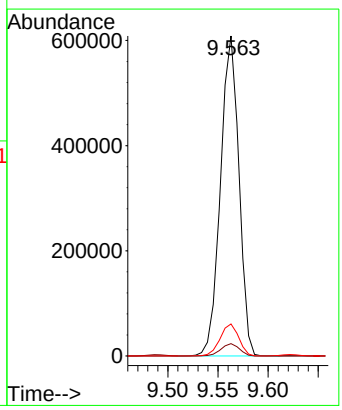


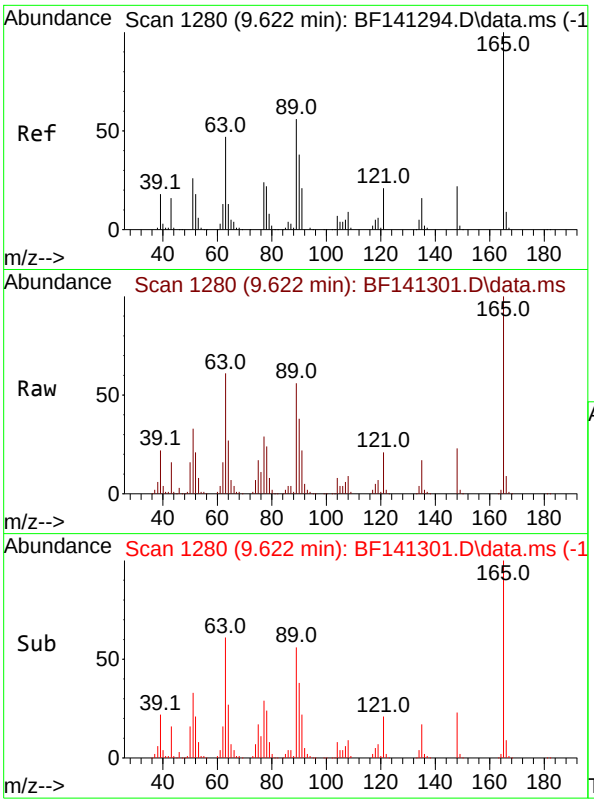


#50
Dimethylphthalate
Concen: 37.298 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



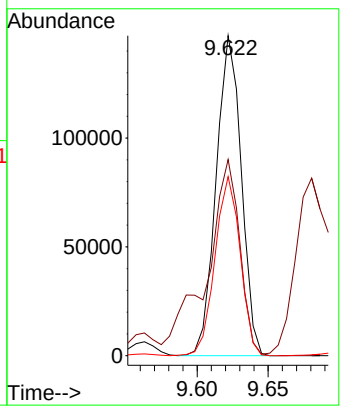


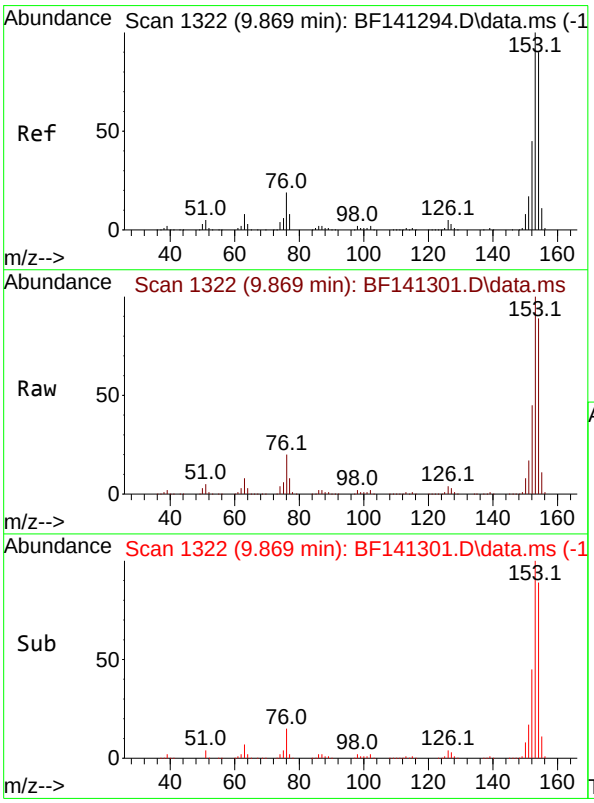
#51
2,6-Dinitrotoluene
Concen: 37.386 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

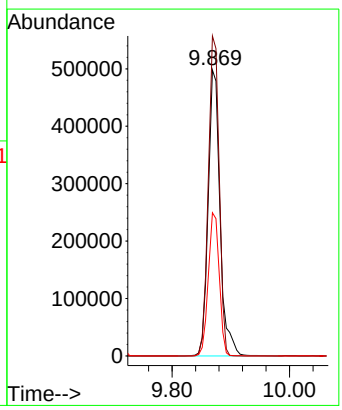


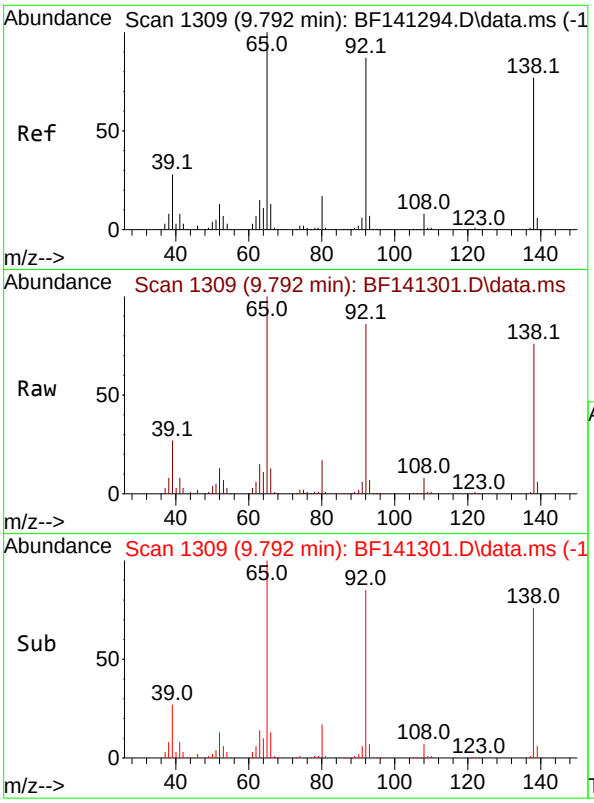


#52
Acenaphthene
Concen: 37.171 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



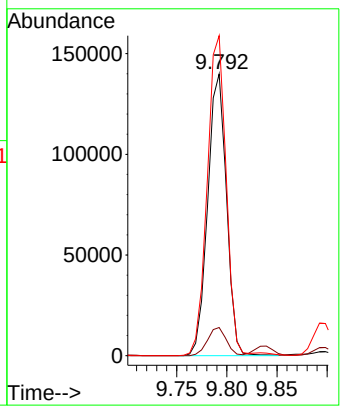


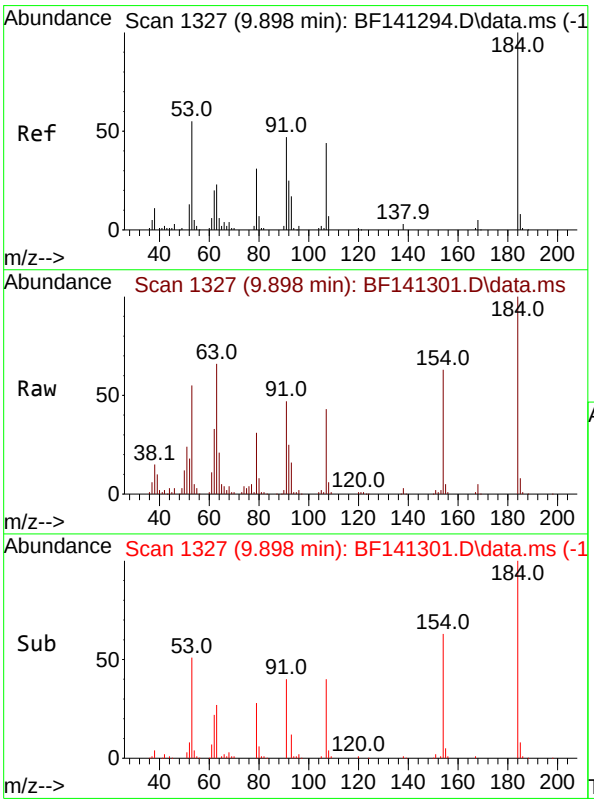
#53
3-Nitroaniline
Concen: 38.456 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

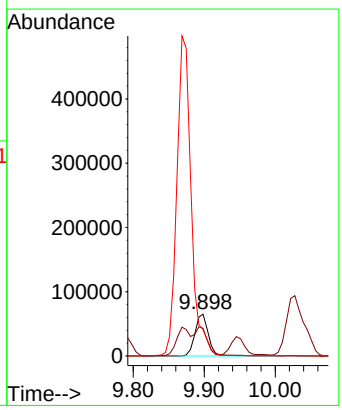


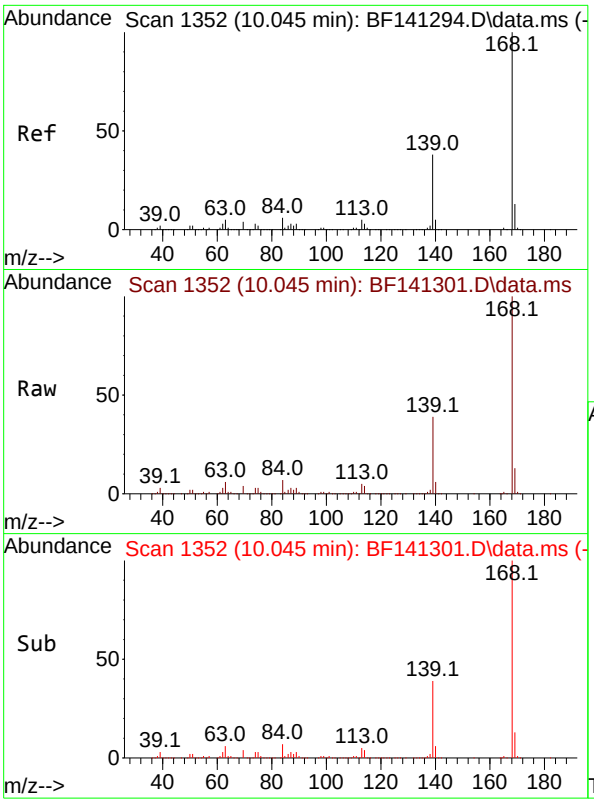


#54
2,4-Dinitrophenol
Concen: 38.081 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



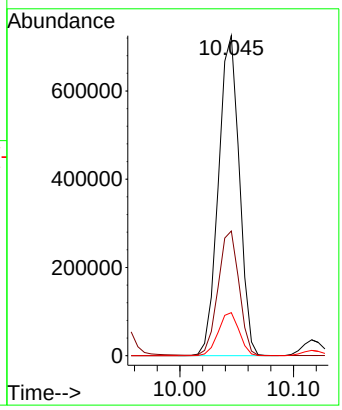


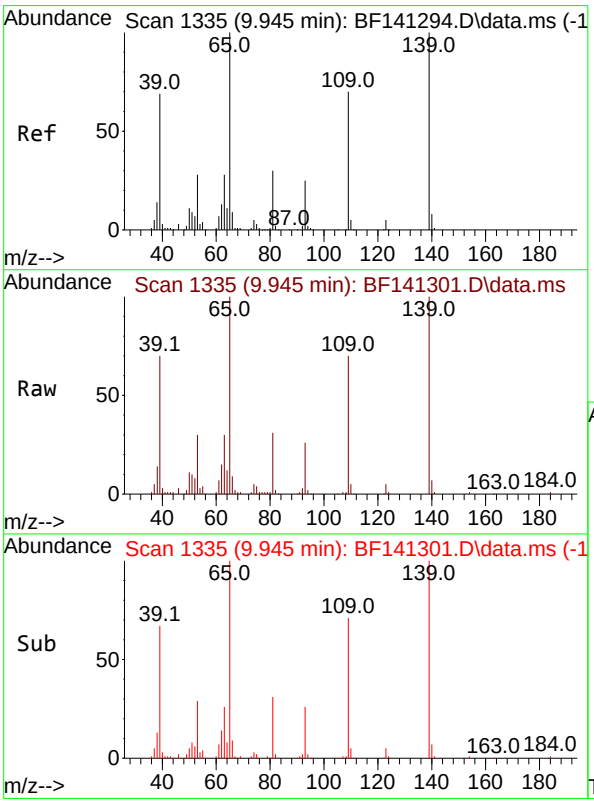
#55
Dibenzofuran
Concen: 36.923 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

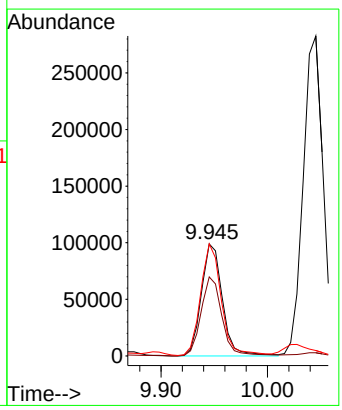


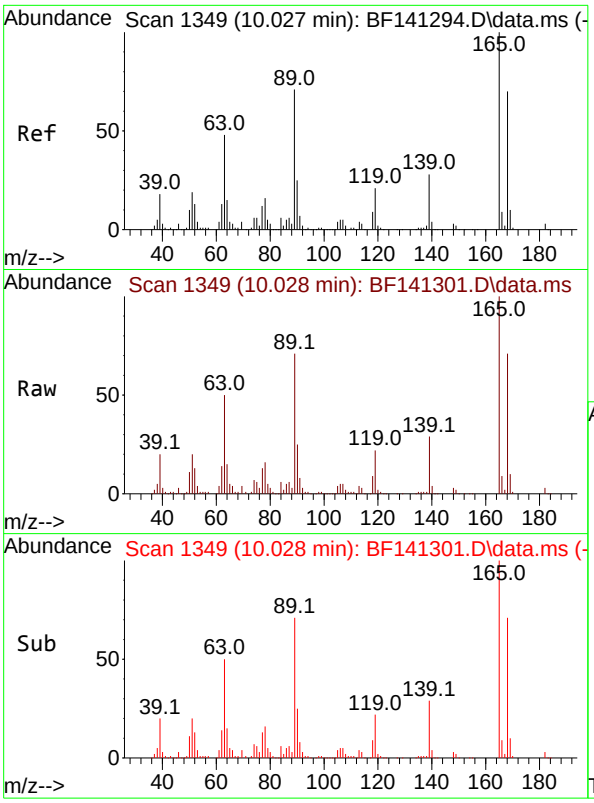


#56
4-Nitrophenol
Concen: 39.302 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



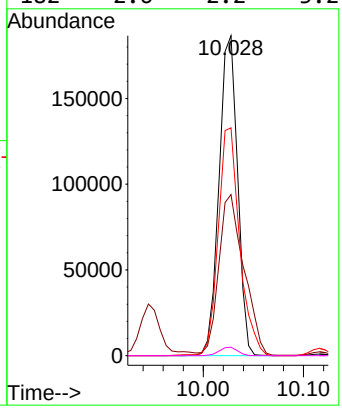


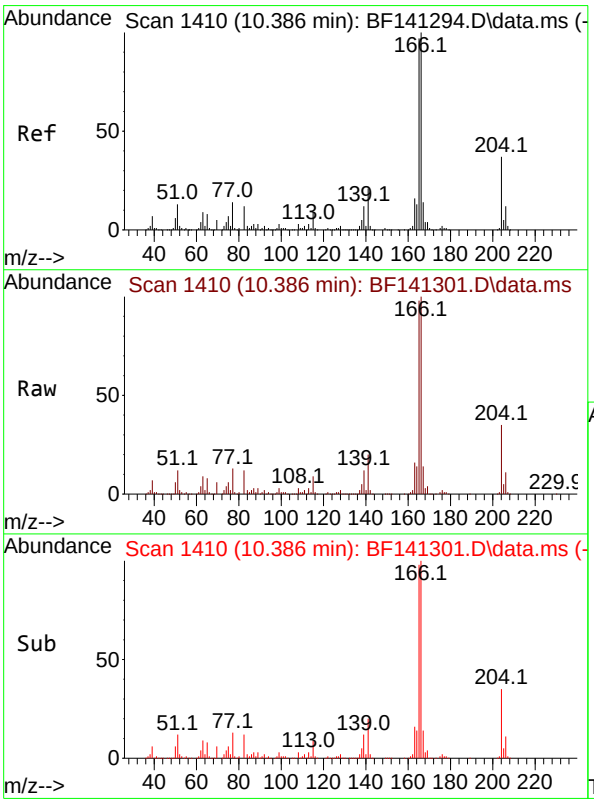
#57
2,4-Dinitrotoluene
Concen: 38.142 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

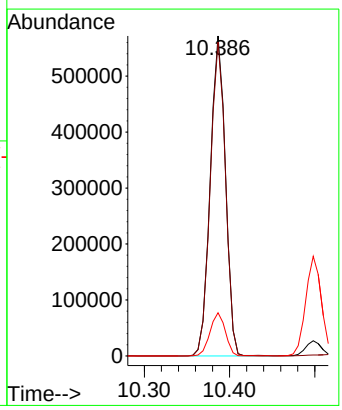


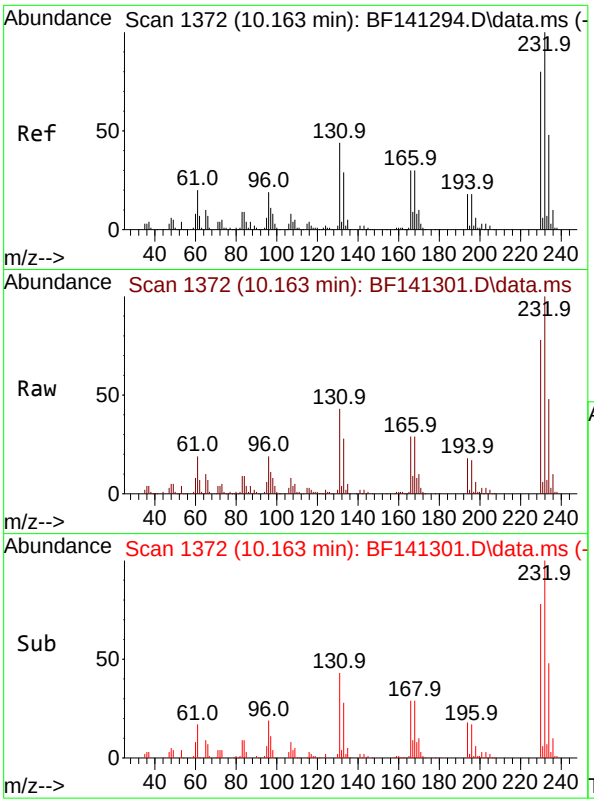


#58
Fluorene
Concen: 36.459 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



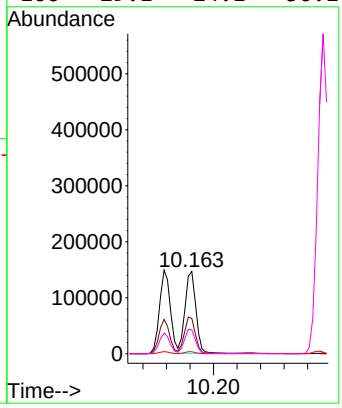


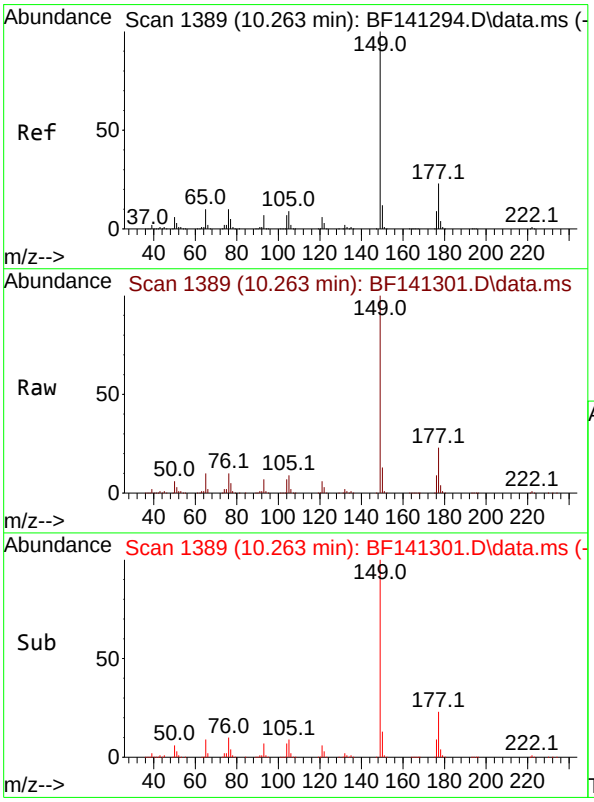
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.118 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

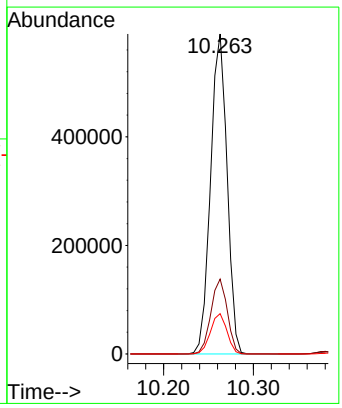


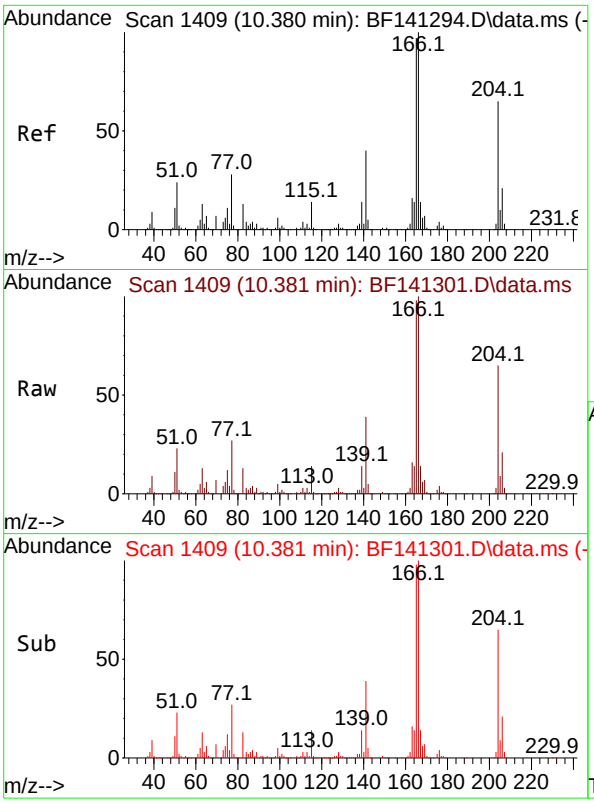


#60
Diethylphthalate
Concen: 37.157 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



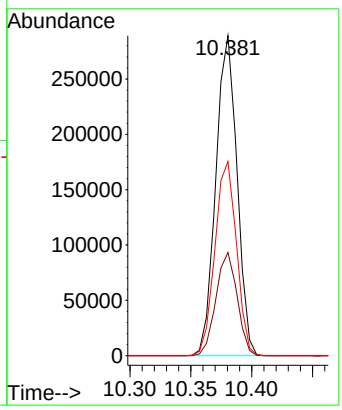


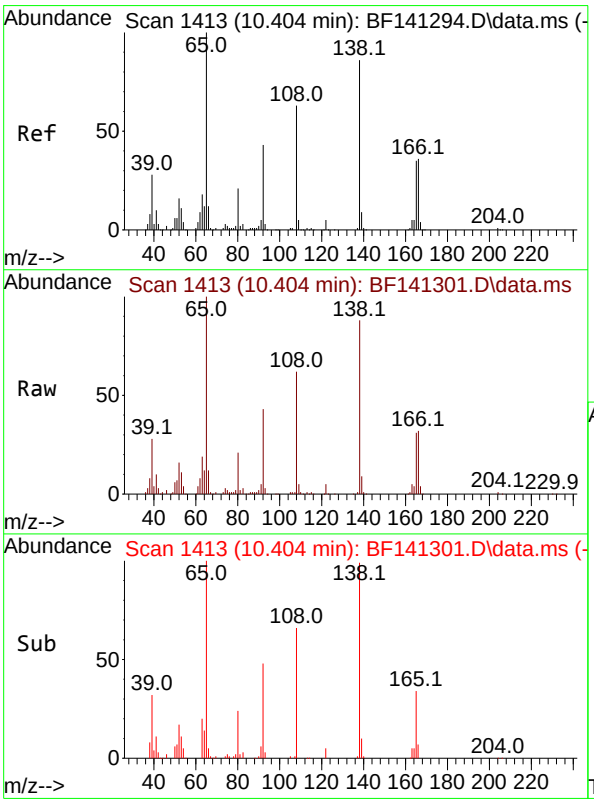
#61
4-Chlorophenyl-phenylether
Concen: 36.875 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

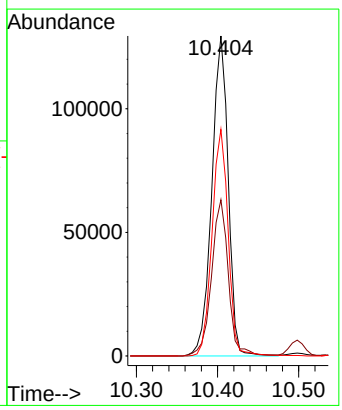


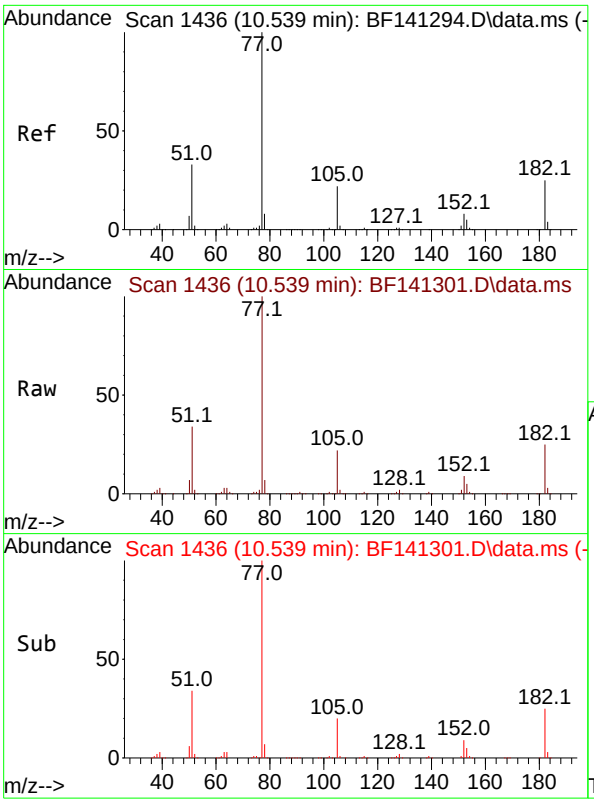


#62
4-Nitroaniline
Concen: 38.976 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



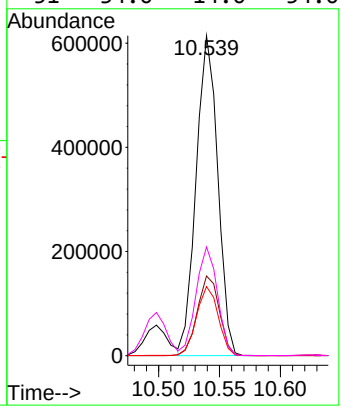


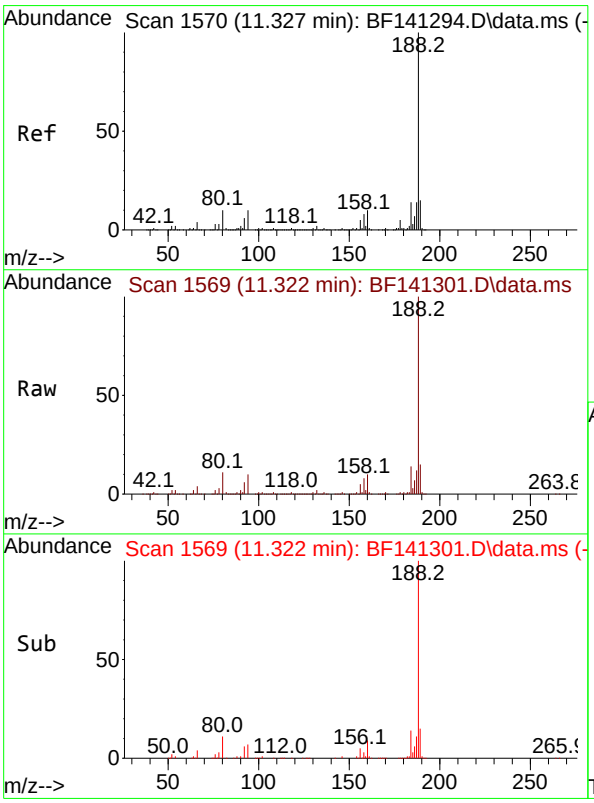
#63
Azobenzene
Concen: 37.363 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

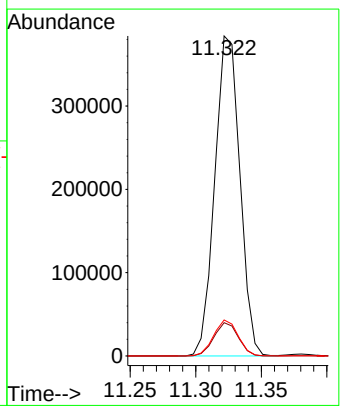


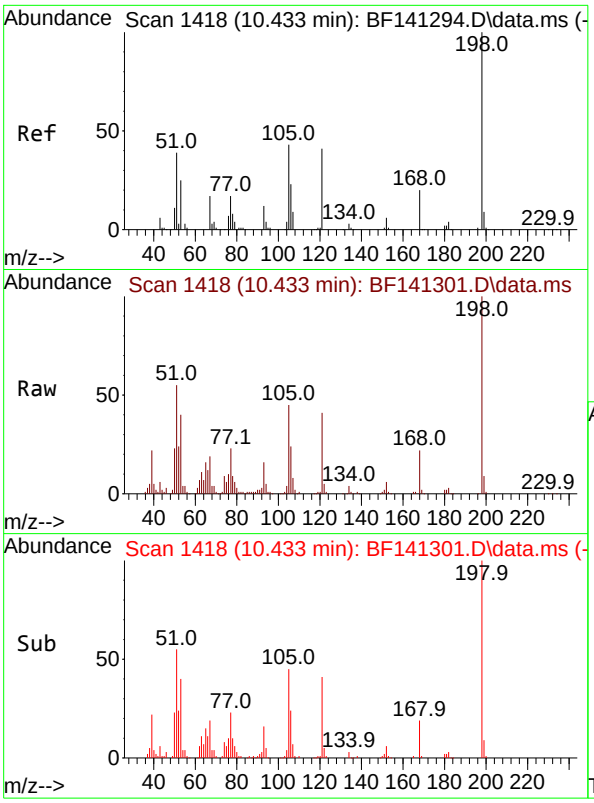


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



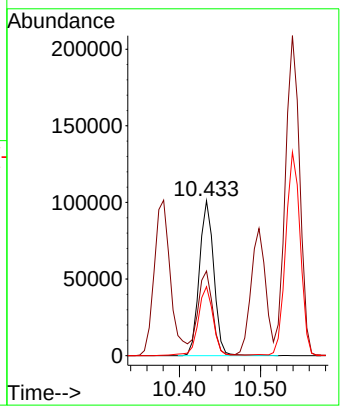


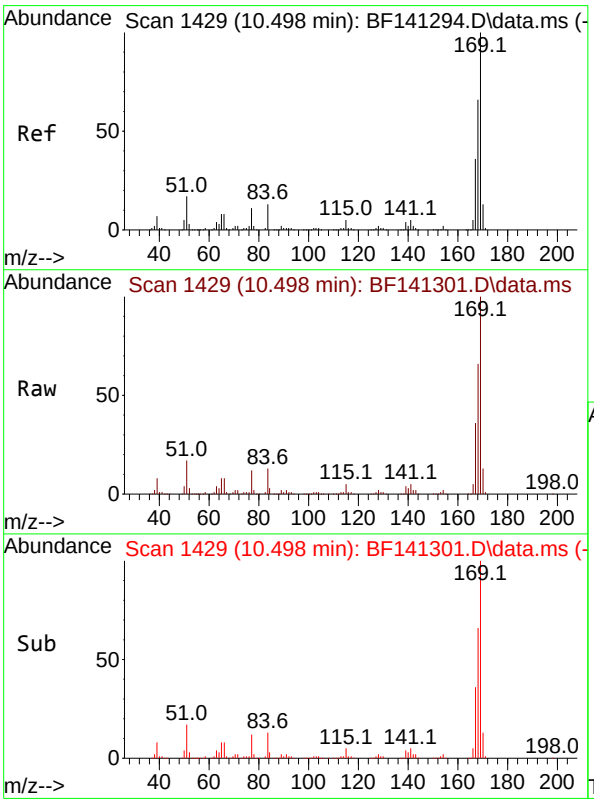
#65
4,6-Dinitro-2-methylphenol
Concen: 41.499 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

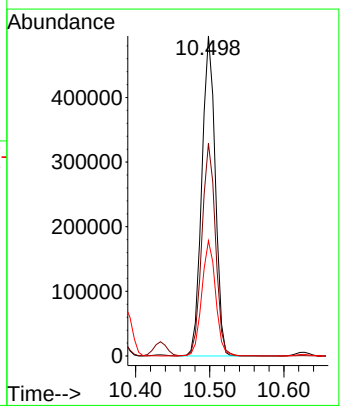


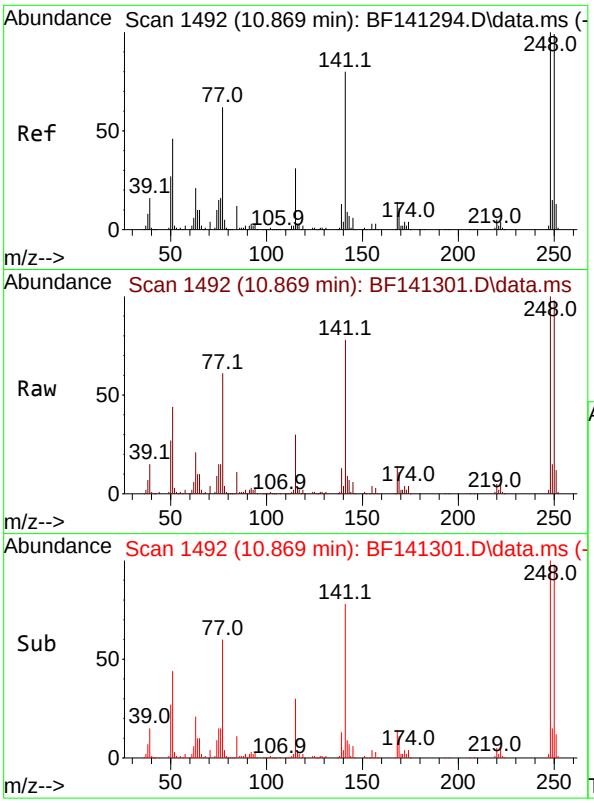


#66
n-Nitrosodiphenylamine
Concen: 37.717 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



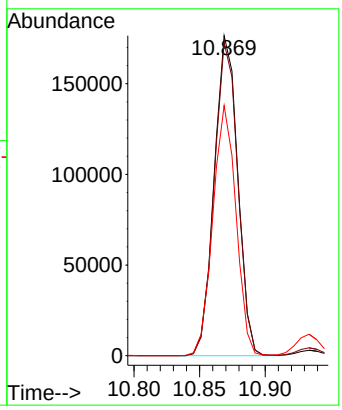


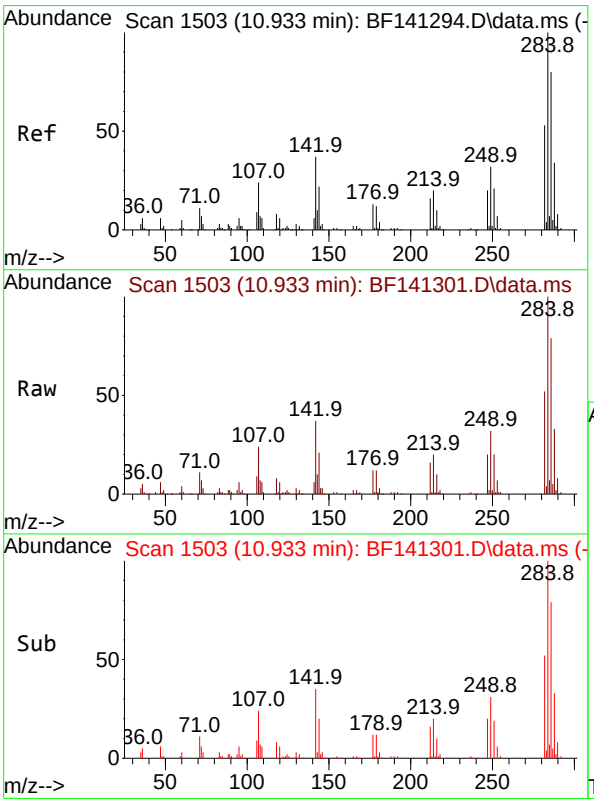
#67
4-Bromophenyl-phenylether
Concen: 38.519 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

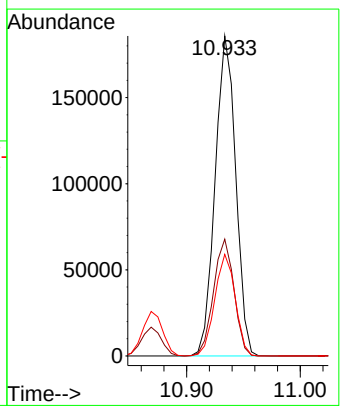


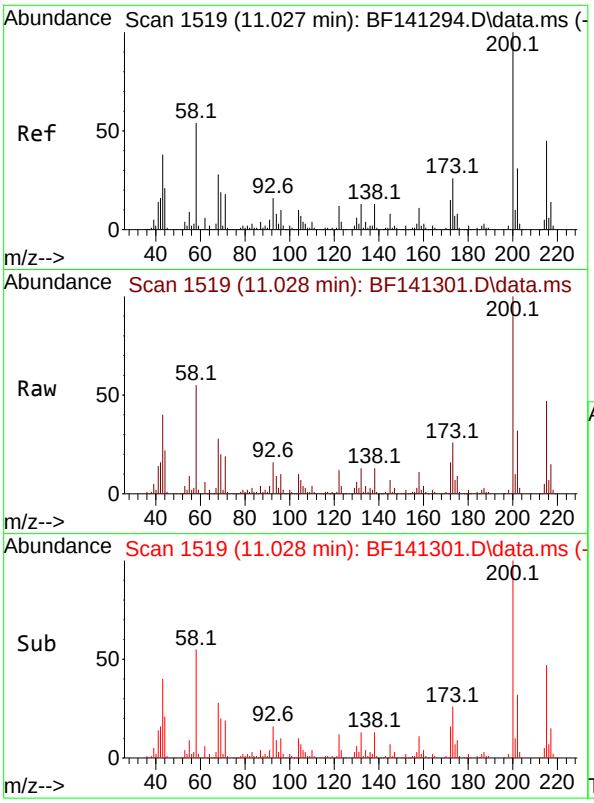


#68
Hexachlorobenzene
Concen: 38.606 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



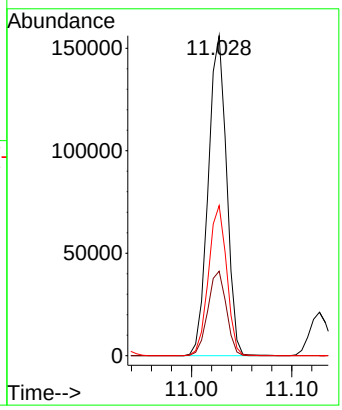


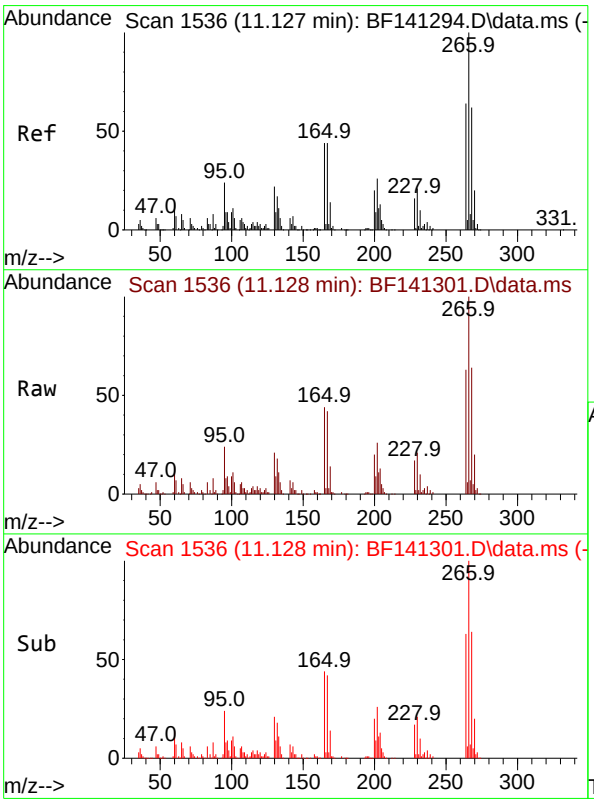
#69
Atrazine
Concen: 35.925 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

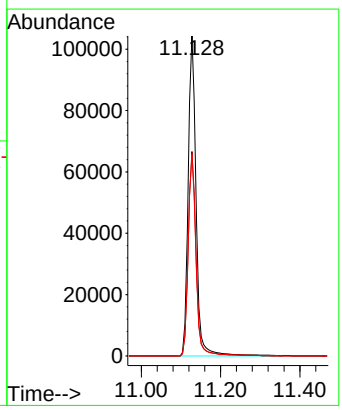


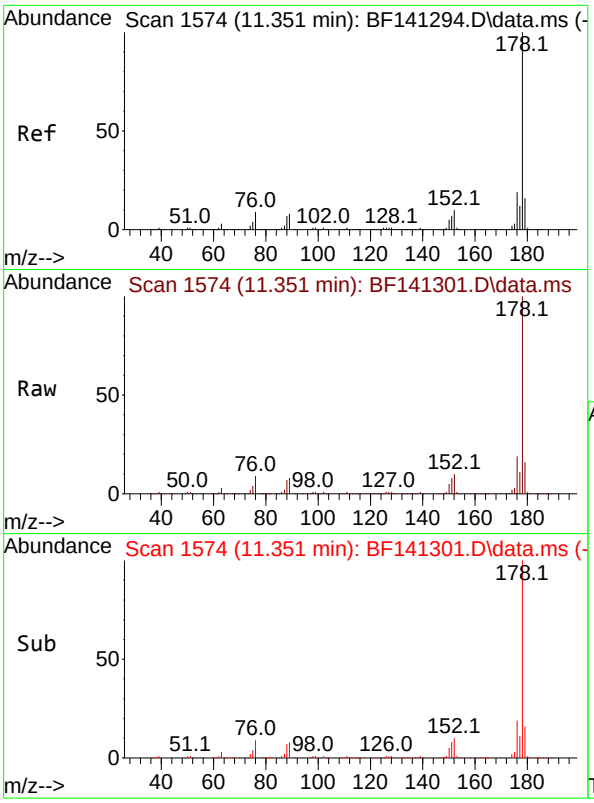


#70
Pentachlorophenol
Concen: 40.848 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



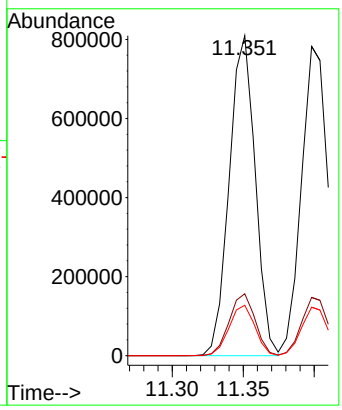


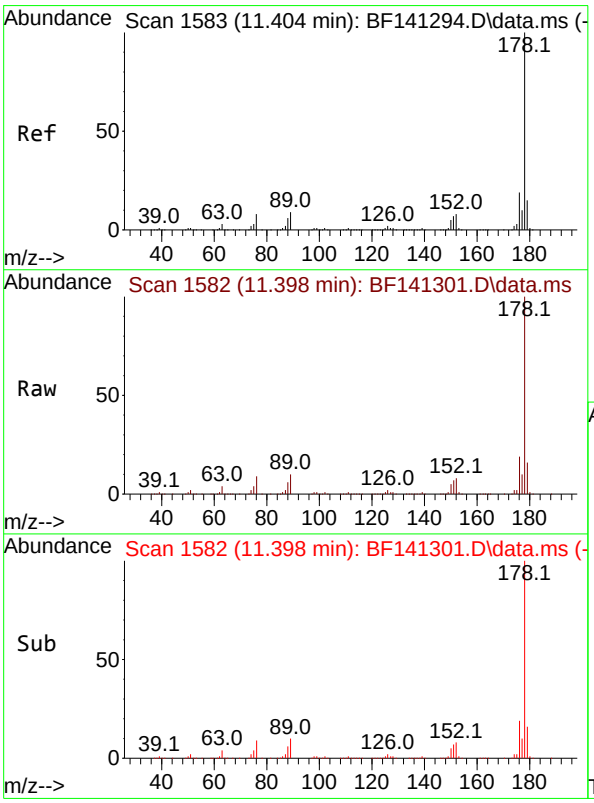
#71
Phenanthrene
Concen: 37.489 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

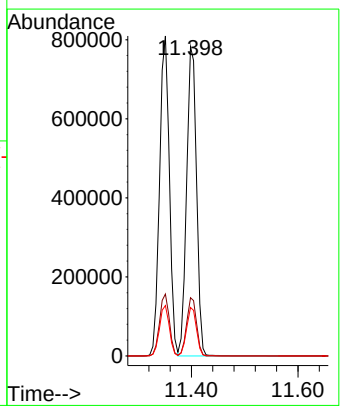


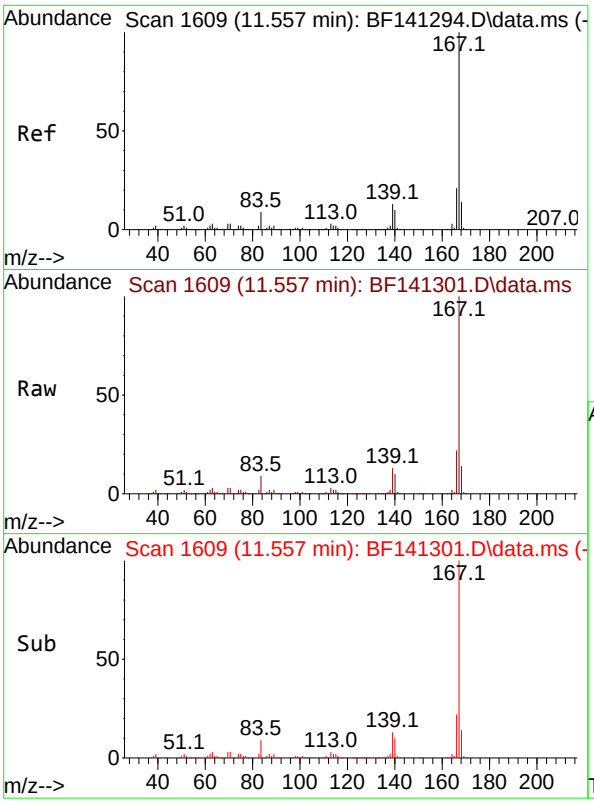


#72
Anthracene
Concen: 37.517 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



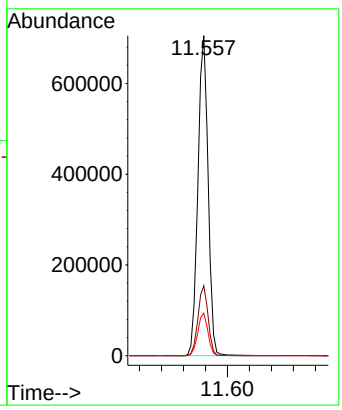


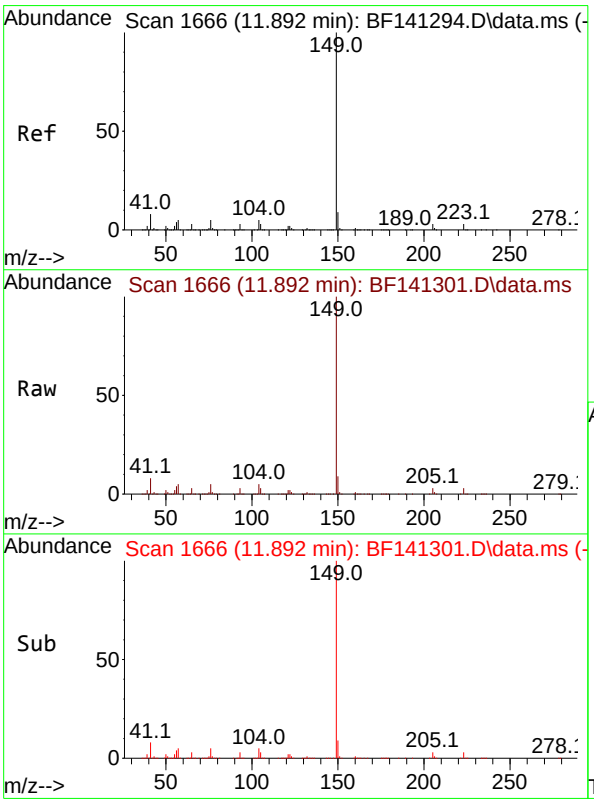
#73
Carbazole
Concen: 38.060 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

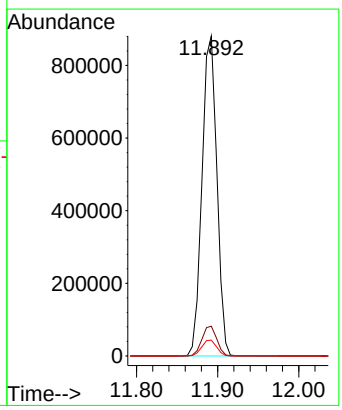


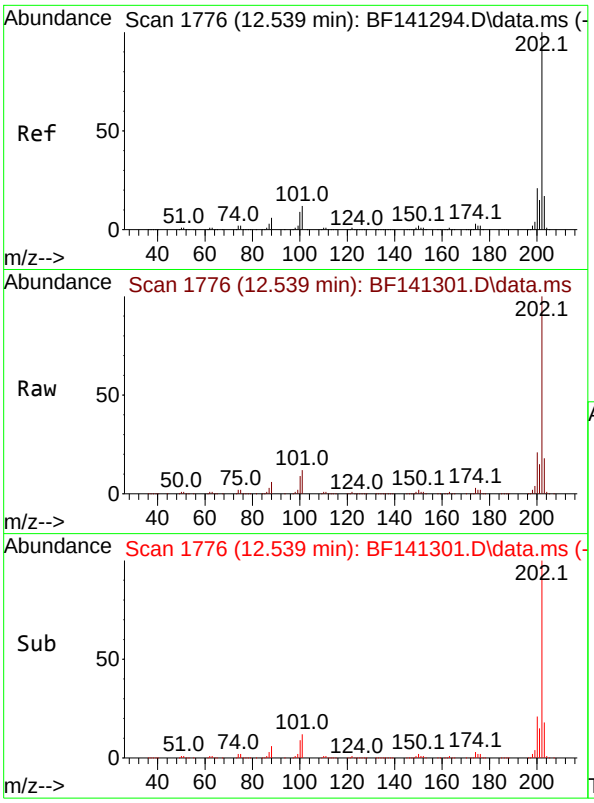


#74
Di-n-butylphthalate
Concen: 38.646 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



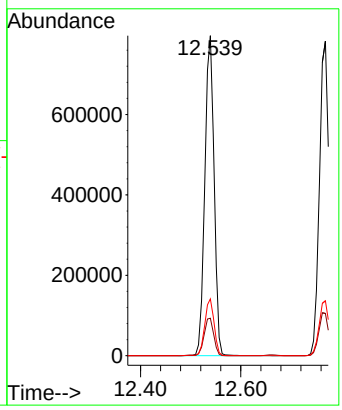


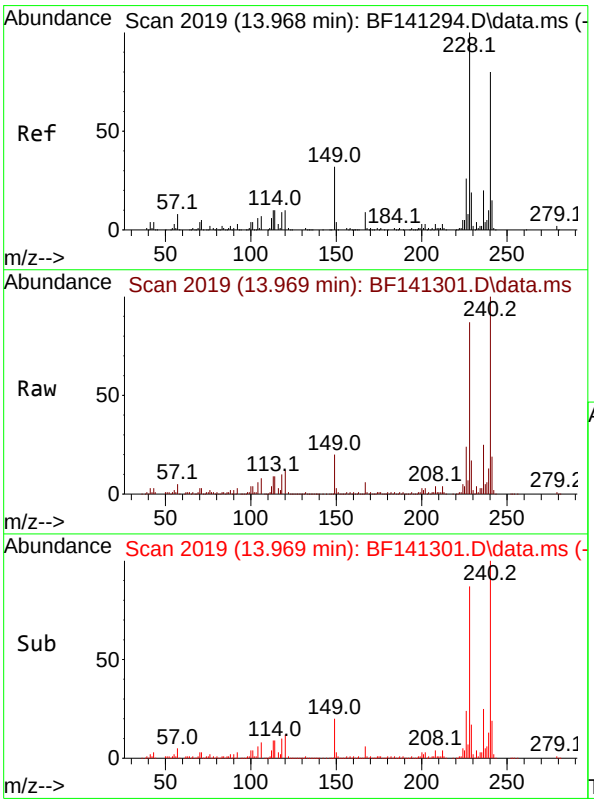
#75
Fluoranthene
Concen: 37.857 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

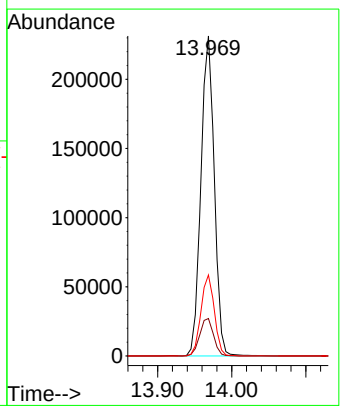


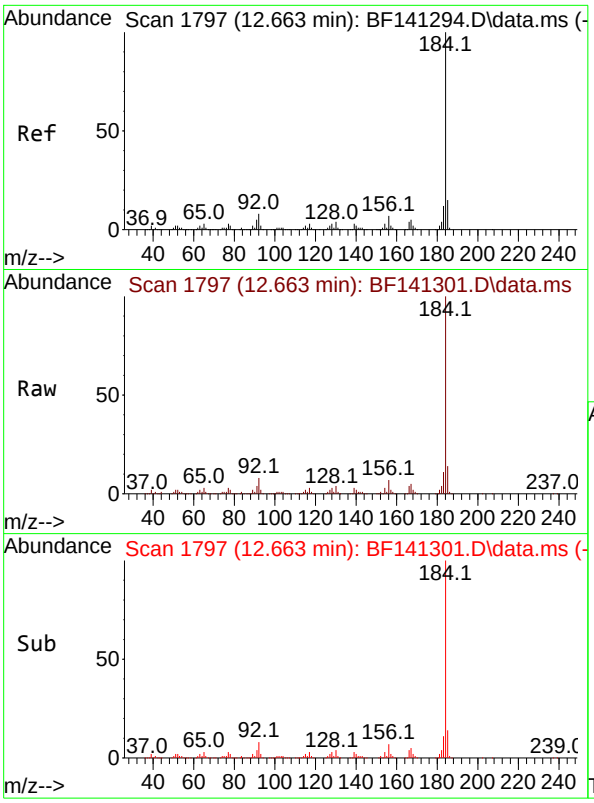


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



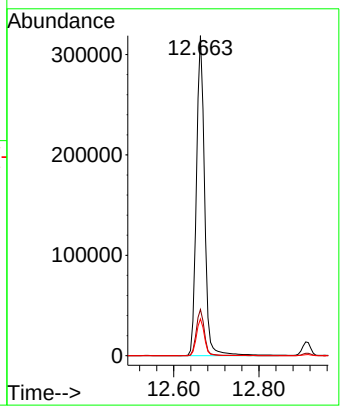


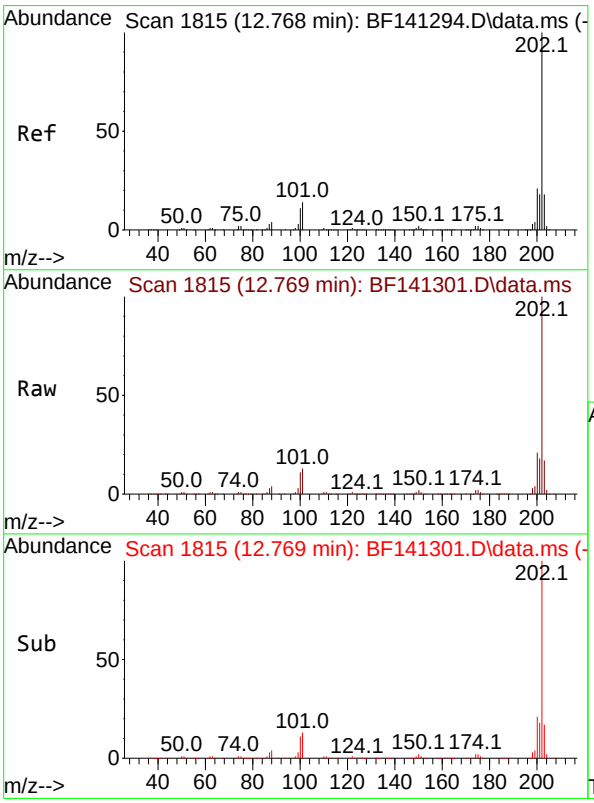
#77
Benzidine
Concen: 45.623 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

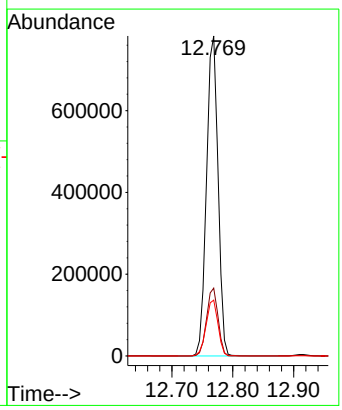


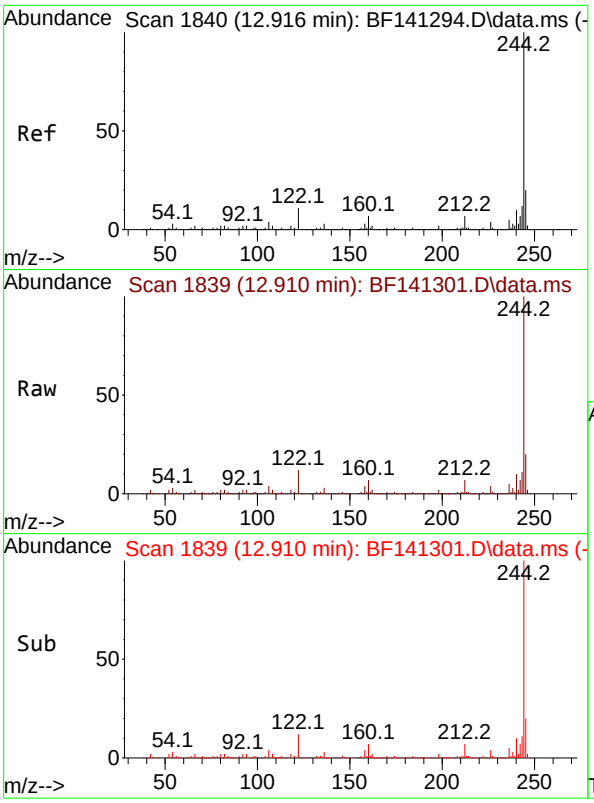


#78
Pyrene
Concen: 37.019 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



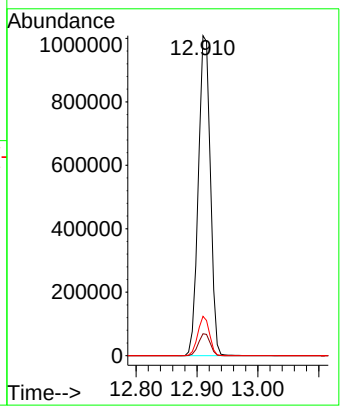


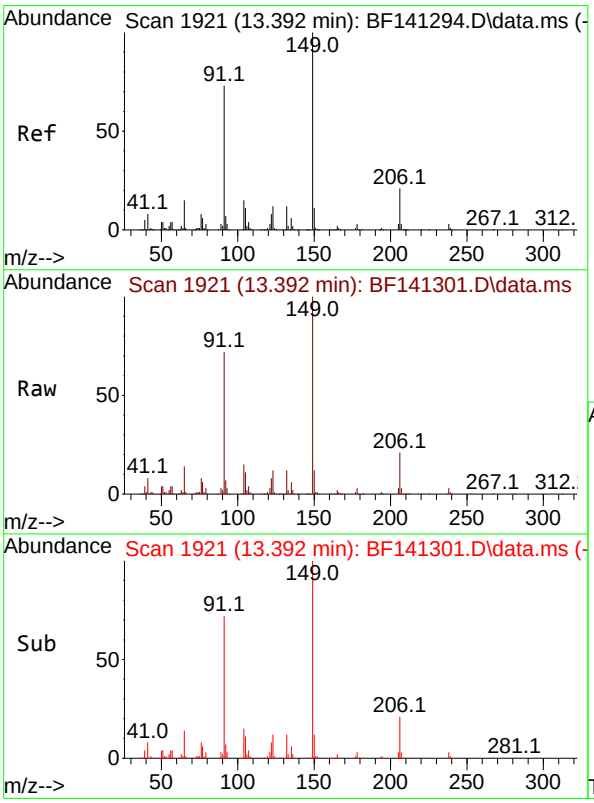
#79
Terphenyl-d14
Concen: 73.075 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

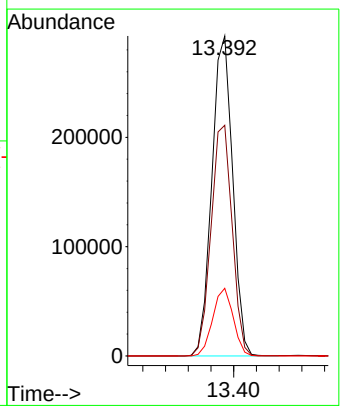


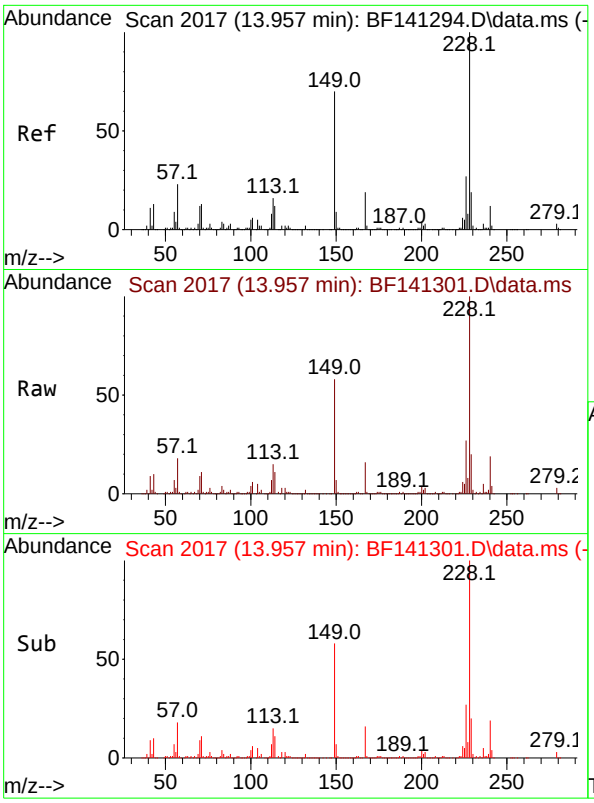


#80
Butylbenzylphthalate
Concen: 38.238 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



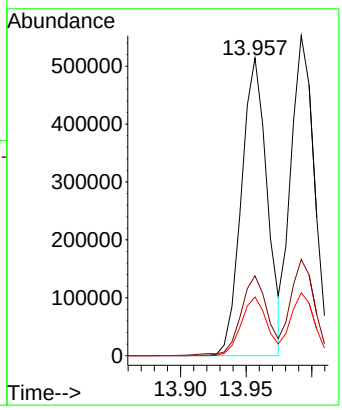


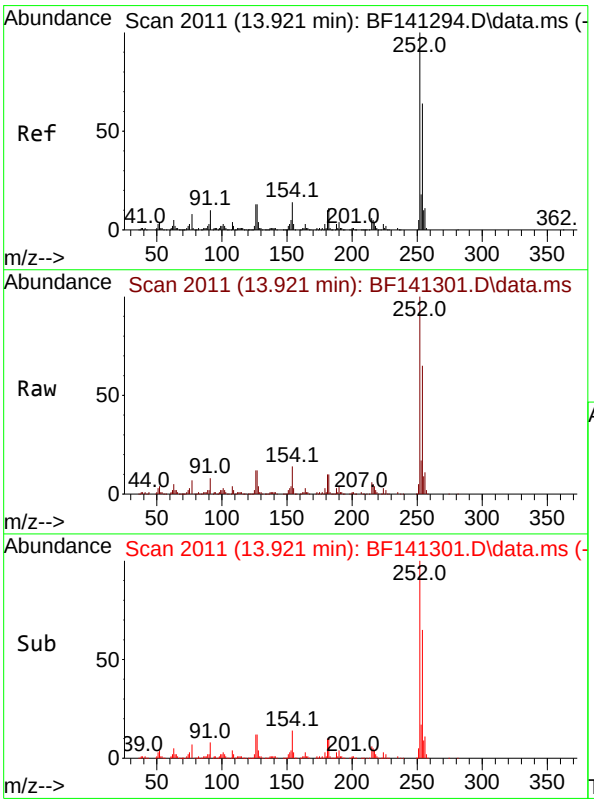
#81
Benzo(a)anthracene
Concen: 35.173 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

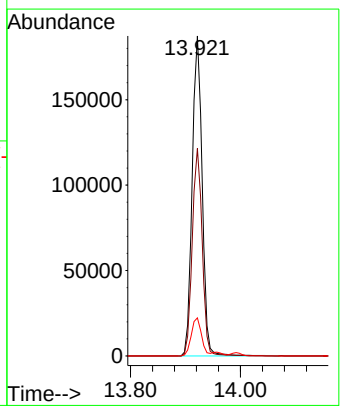


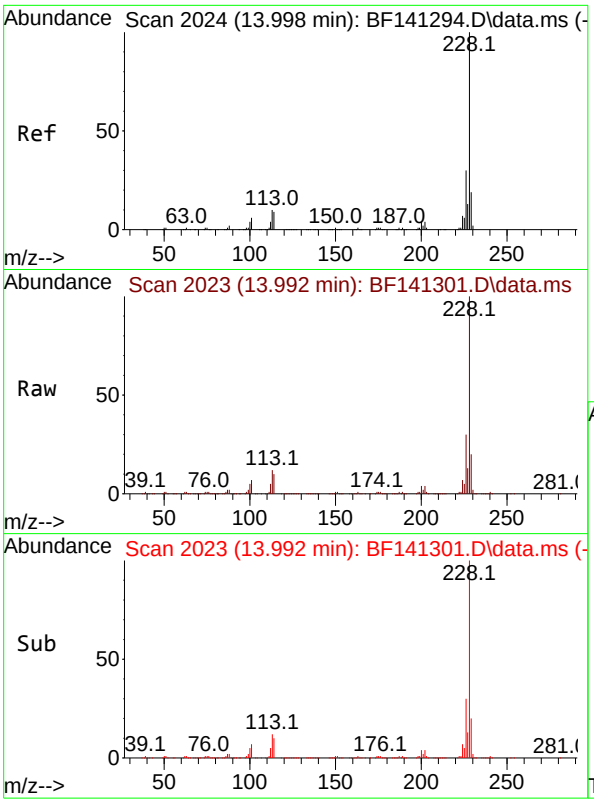


#82
3,3'-Dichlorobenzidine
Concen: 37.051 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



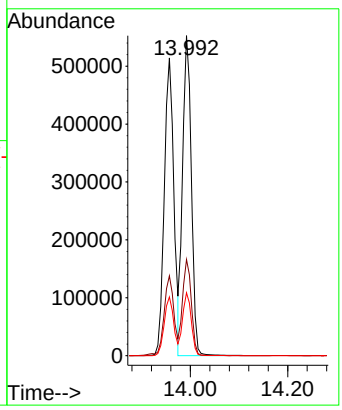


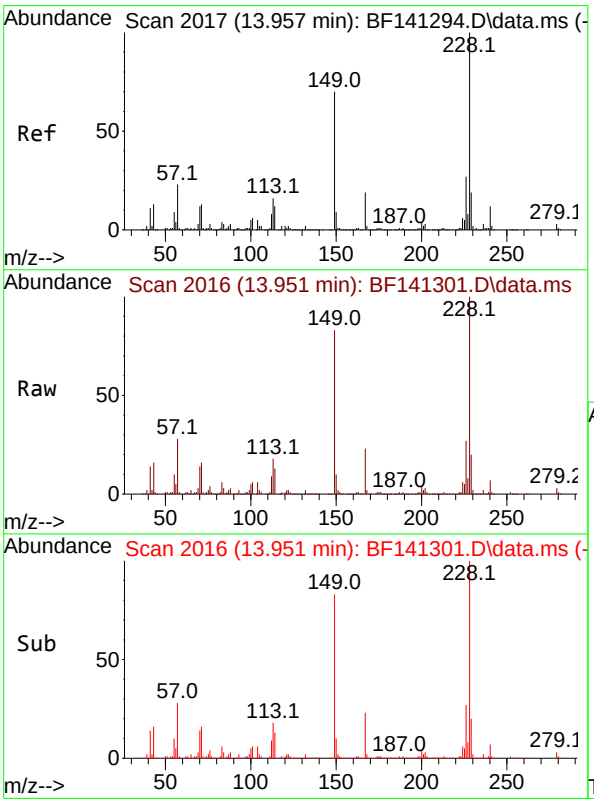
#83
Chrysene
Concen: 37.578 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

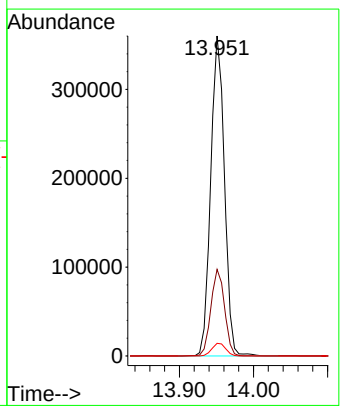


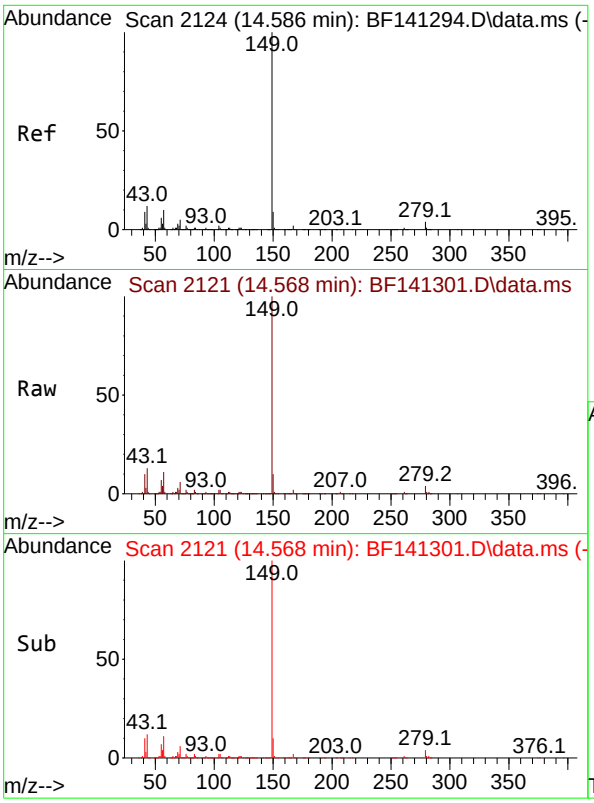


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.511 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



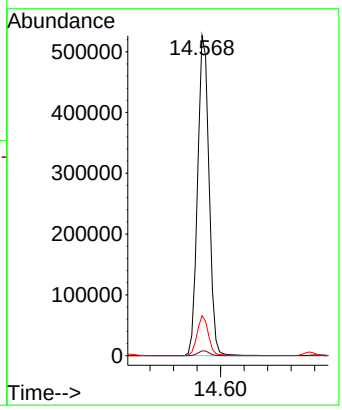


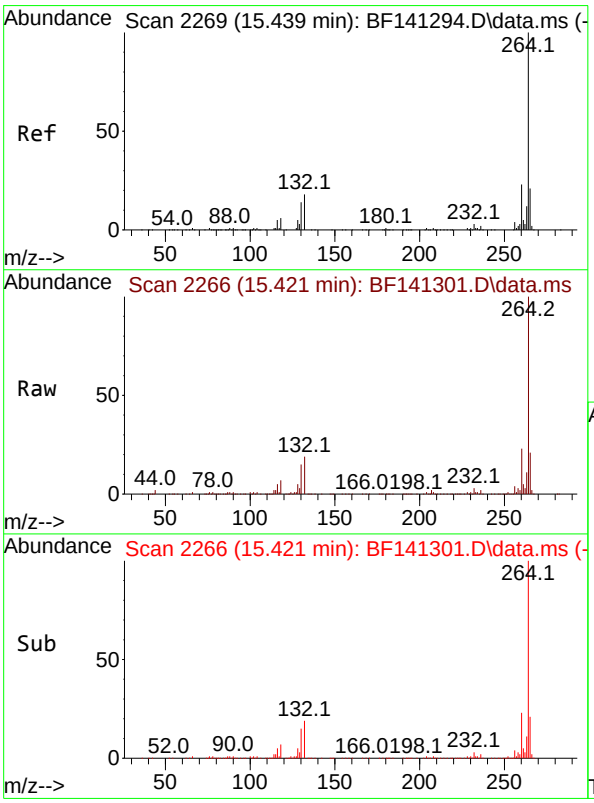
#85
Di-n-octyl phthalate
Concen: 36.853 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

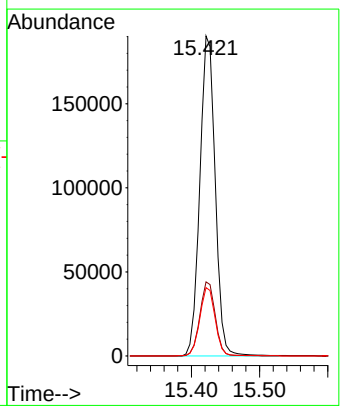


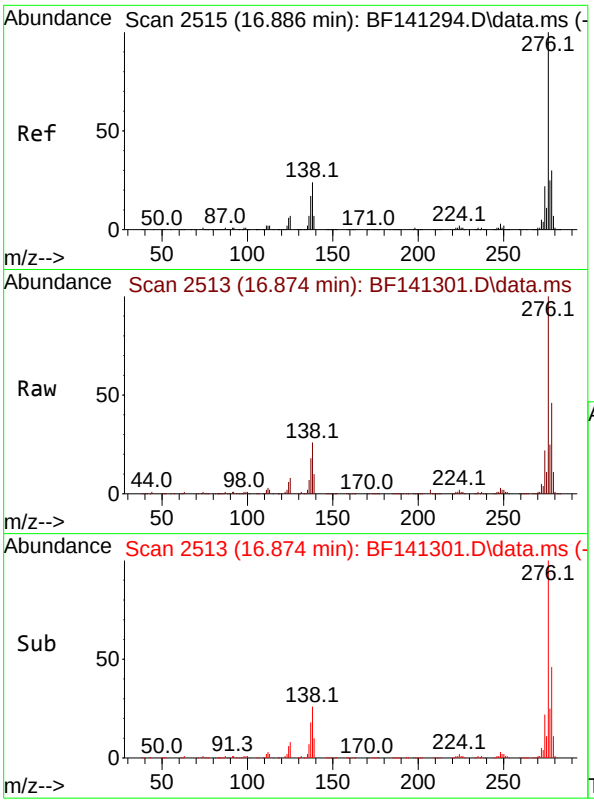


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



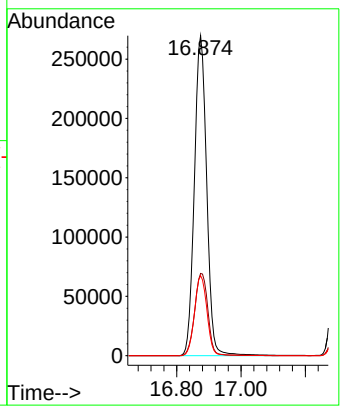


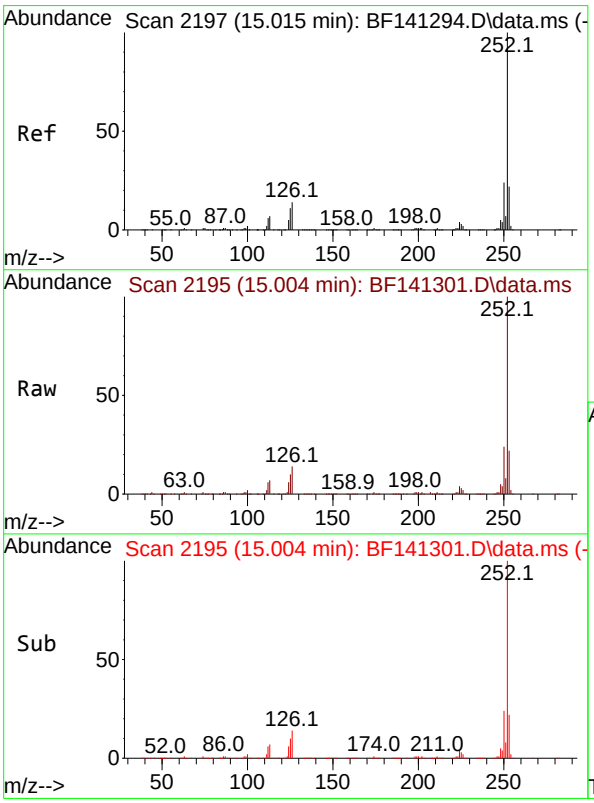
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.195 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

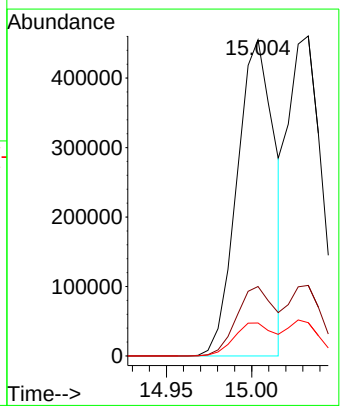


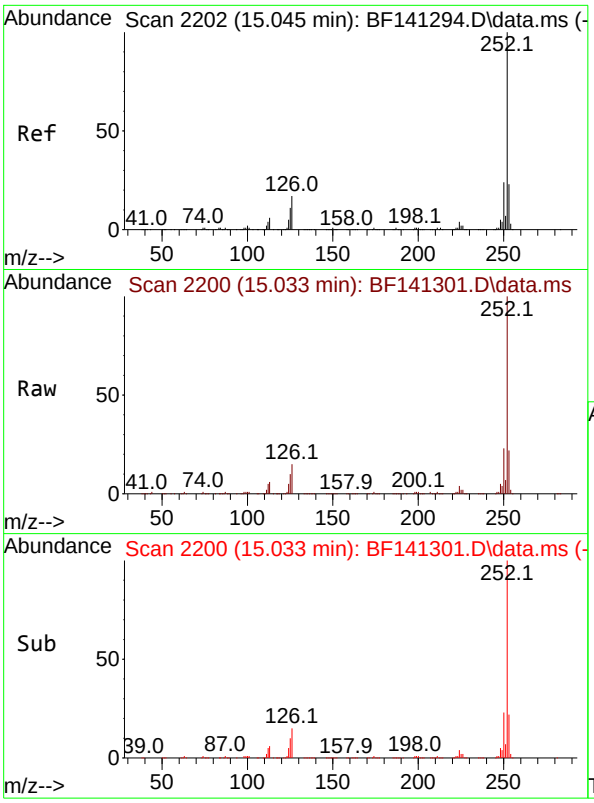


#88
Benzo(b)fluoranthene
Concen: 36.951 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



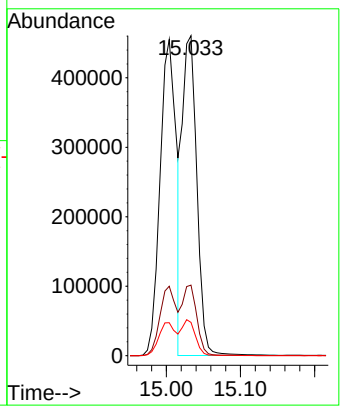


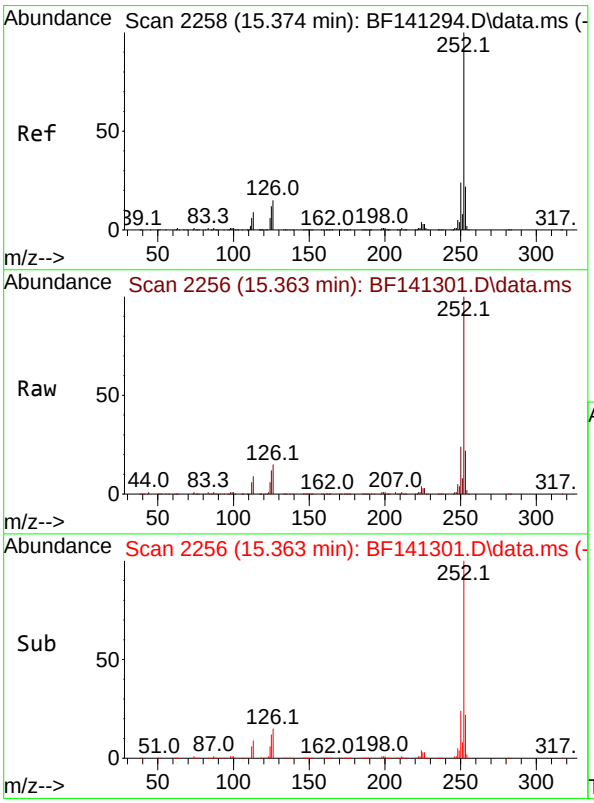
#89
Benzo(k)fluoranthene
Concen: 37.889 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

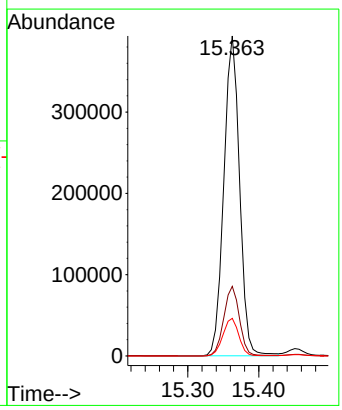


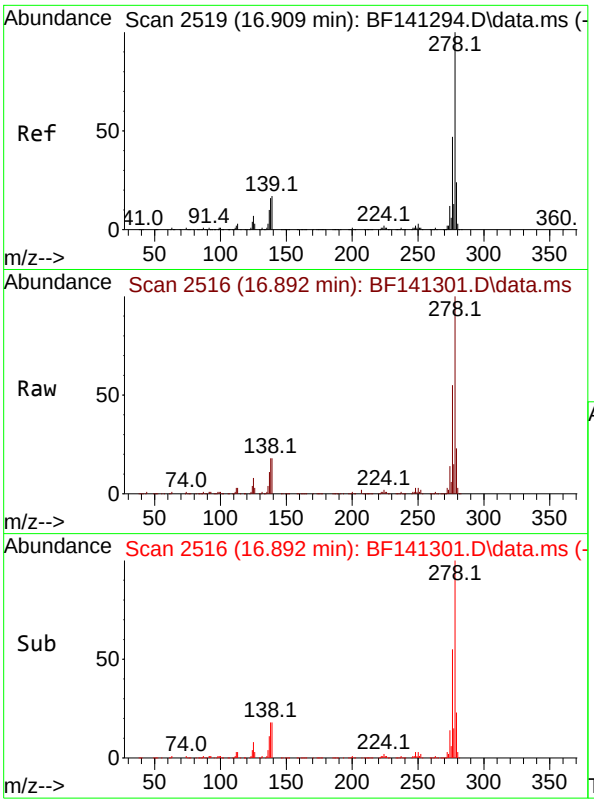


#90
Benzo(a)pyrene
Concen: 38.001 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



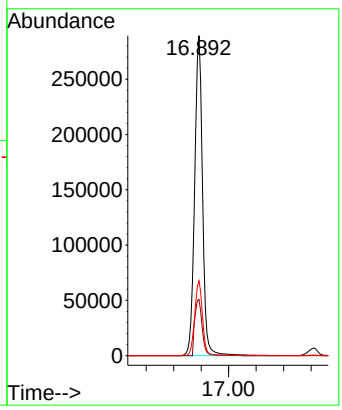


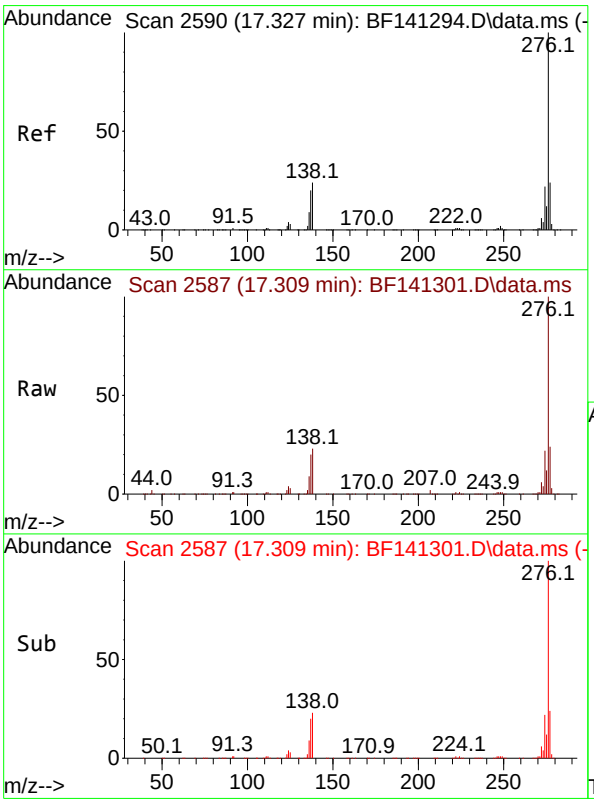
#91
Dibenzo(a,h)anthracene
Concen: 37.155 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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

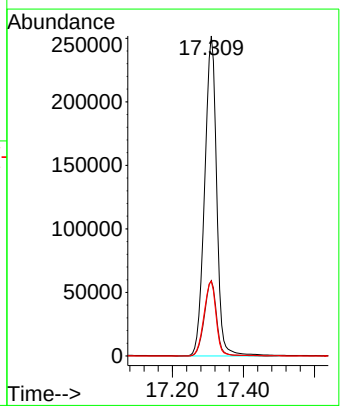




#92
Benzo(g,h,i)perylene
Concen: 36.865 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

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



Sample Results: **BF141301.D**

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

Sample Results: **BF141301.D**

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

Sample Results: **BF141301.D**

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

Sample Results: **BF141301.D**

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

Sample Results: **BF141301.D**

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

Sample Results: **BF141301.D**

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

Raw Data: **BF141373.D**

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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	

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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.

Sample Results: **BF141373.D**

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

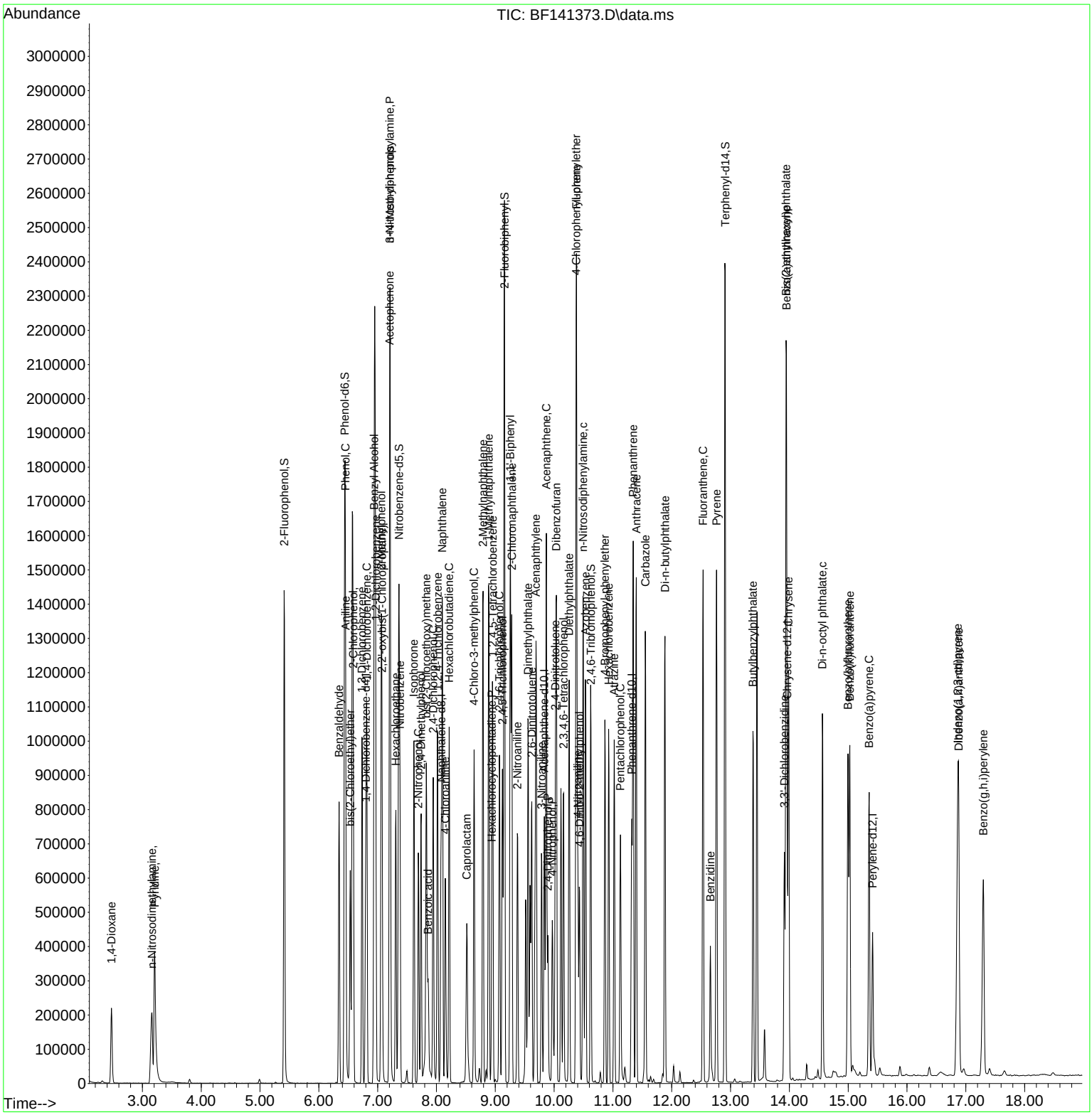
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

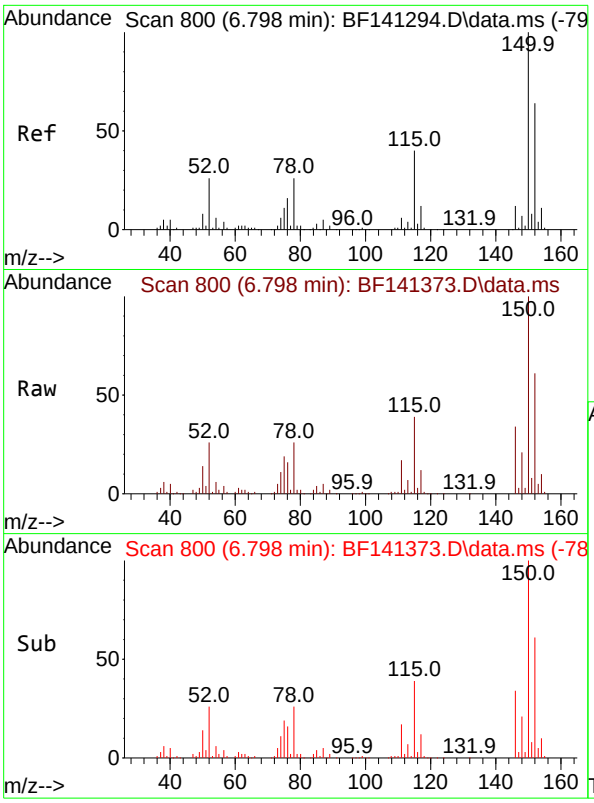
Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

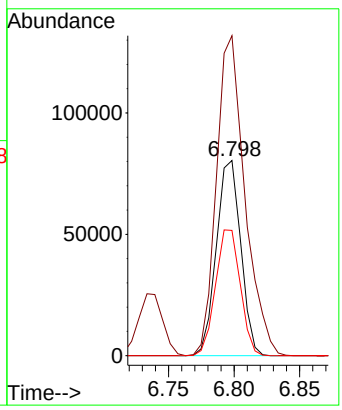




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:152 Resp: 10416

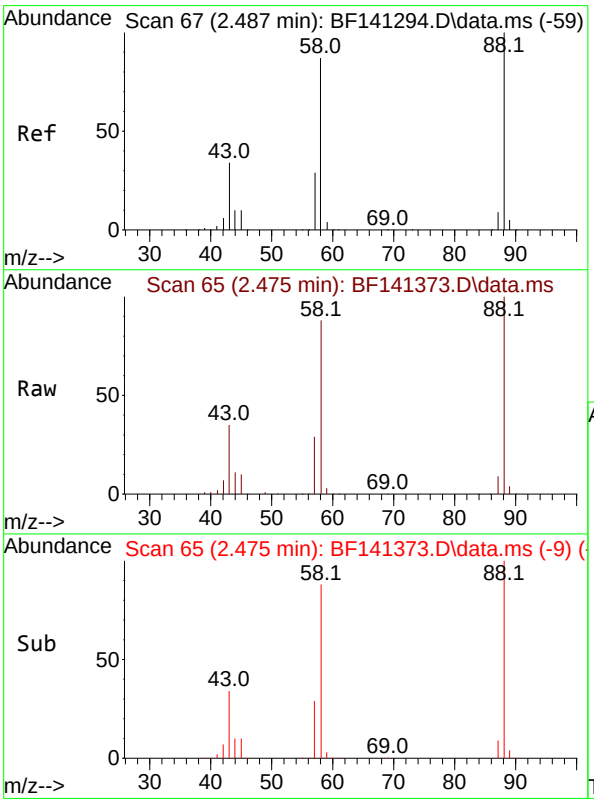
Ion	Ratio	Lower	Upper
152	100		
150	163.9	125.9	188.9
115	64.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

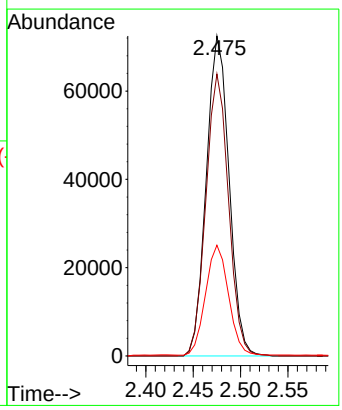
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

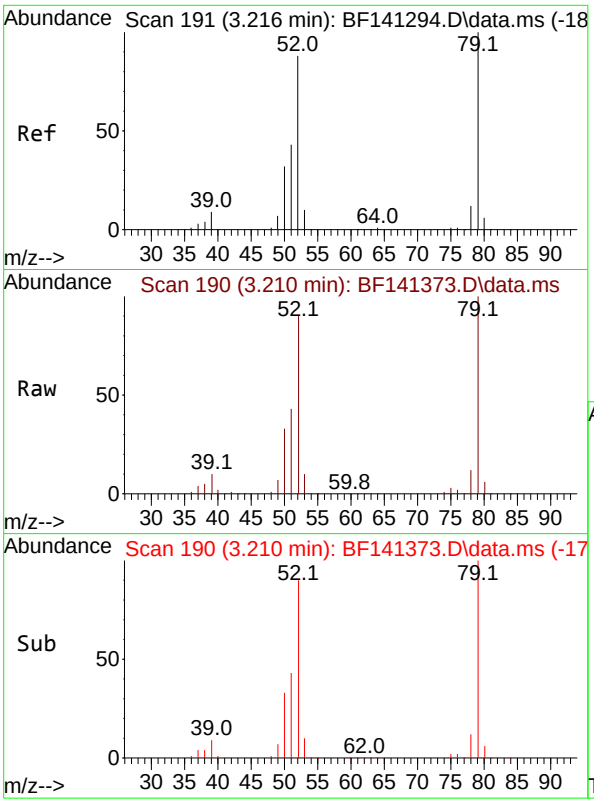


#2
1,4-Dioxane
Concen: 40.599 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

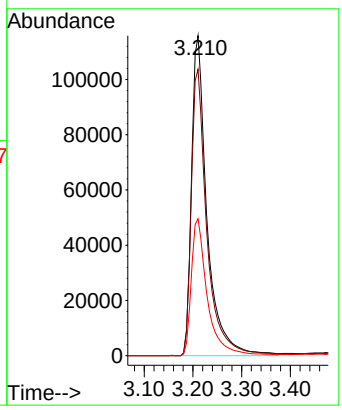




#3
Pyridine
Concen: 35.706 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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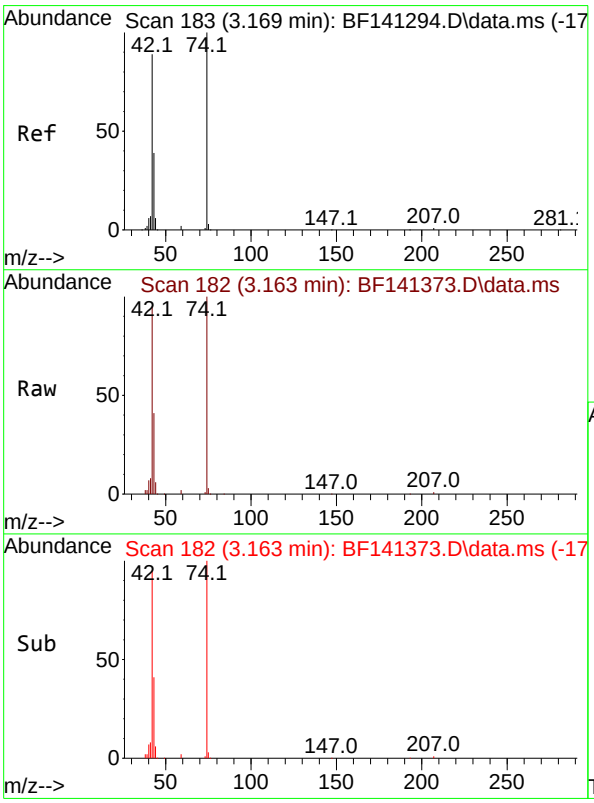
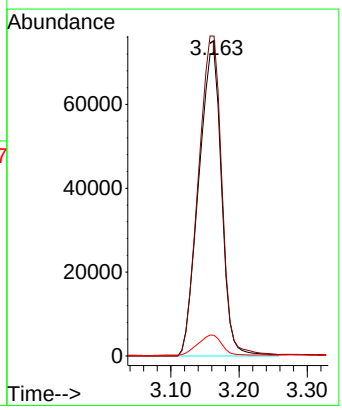
Supervised By :mohammad ahmed 02/06/2025

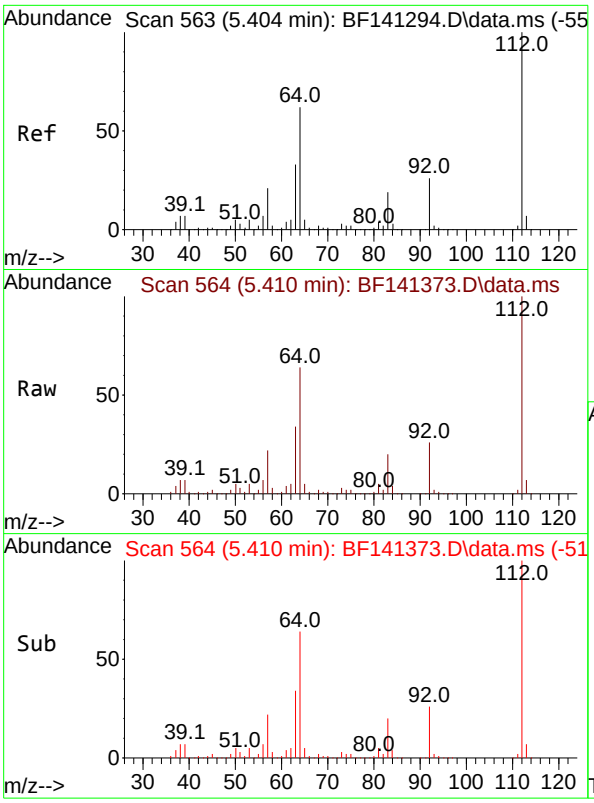


#4
n-Nitrosodimethylamine
Concen: 41.662 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Instrument :
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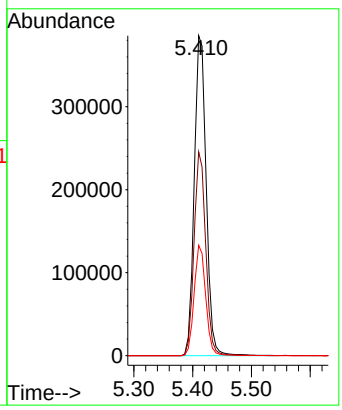
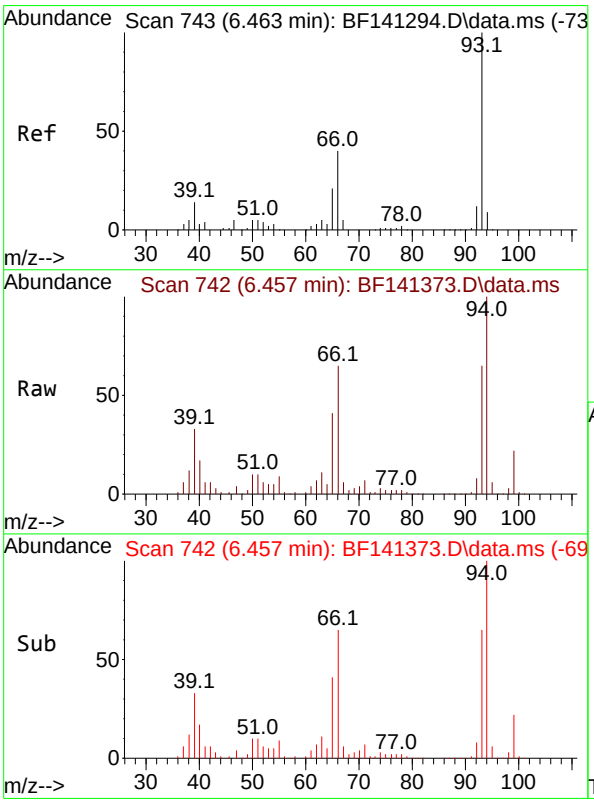
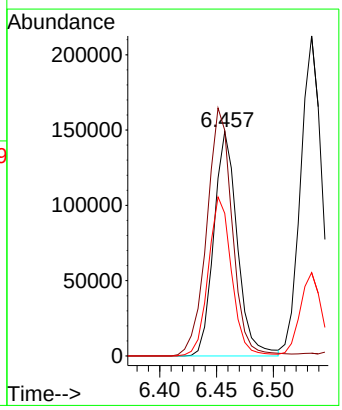


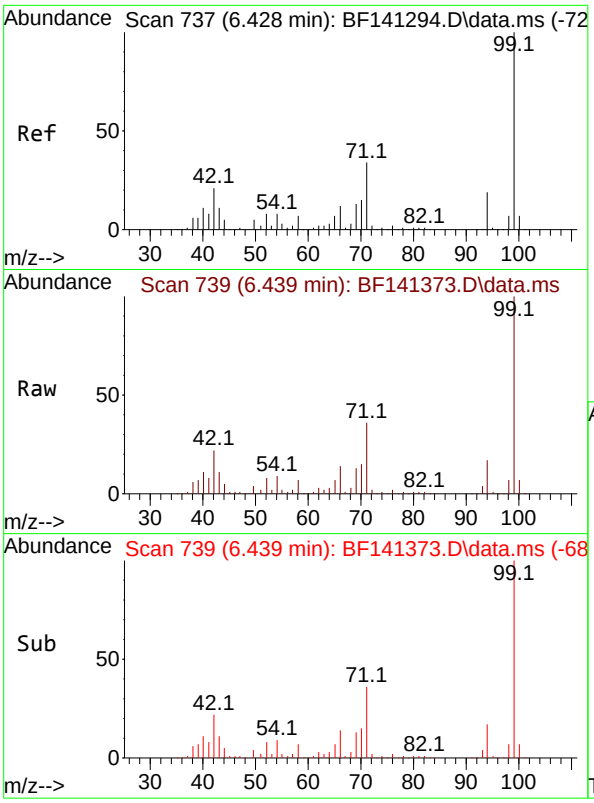


#6
Aniline
Concen: 29.356 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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#

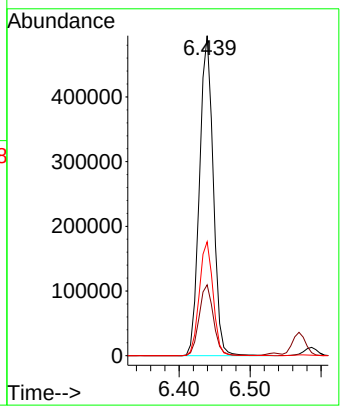




#7
Phenol-d6
Concen: 77.133 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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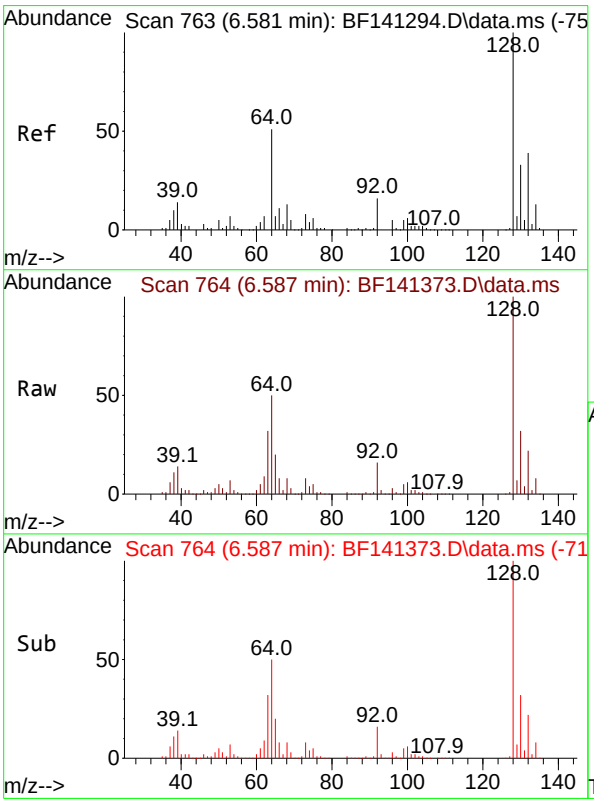
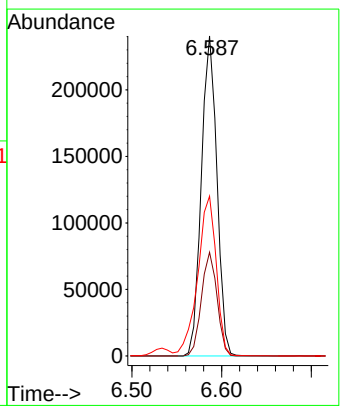
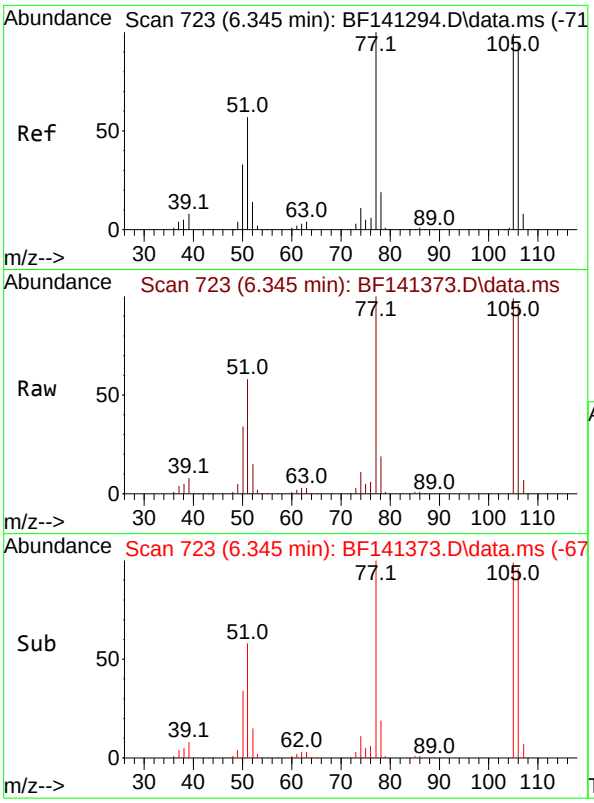


#8
2-Chlorophenol
Concen: 39.841 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

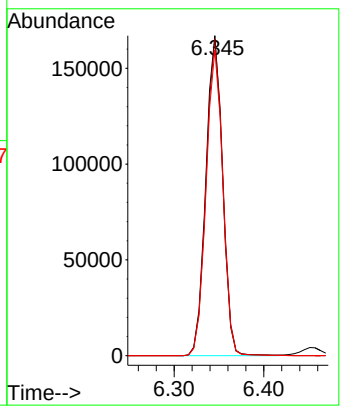




#9
Benzaldehyde
Concen: 43.247 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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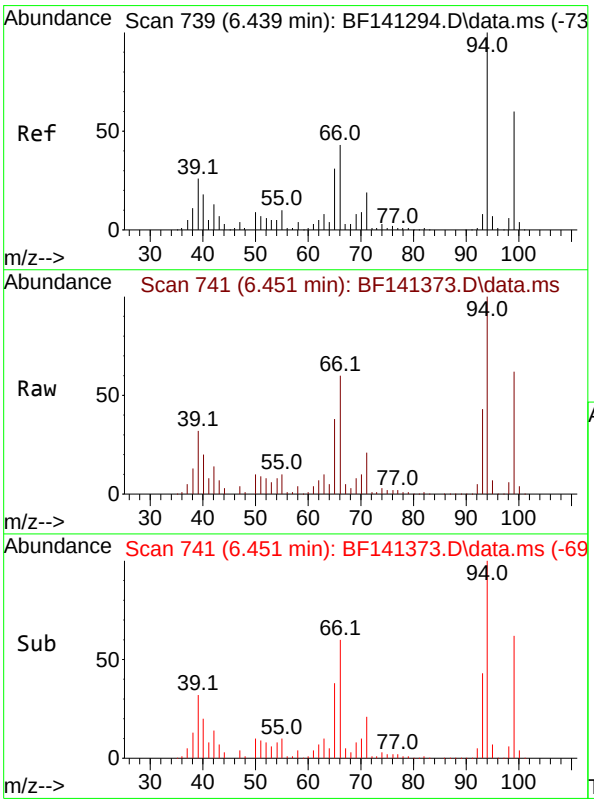
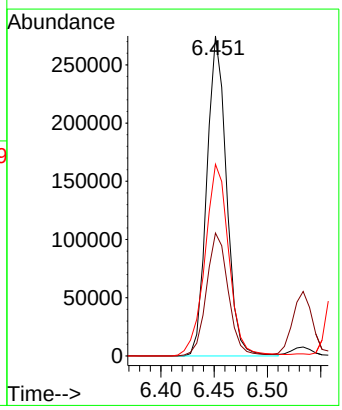
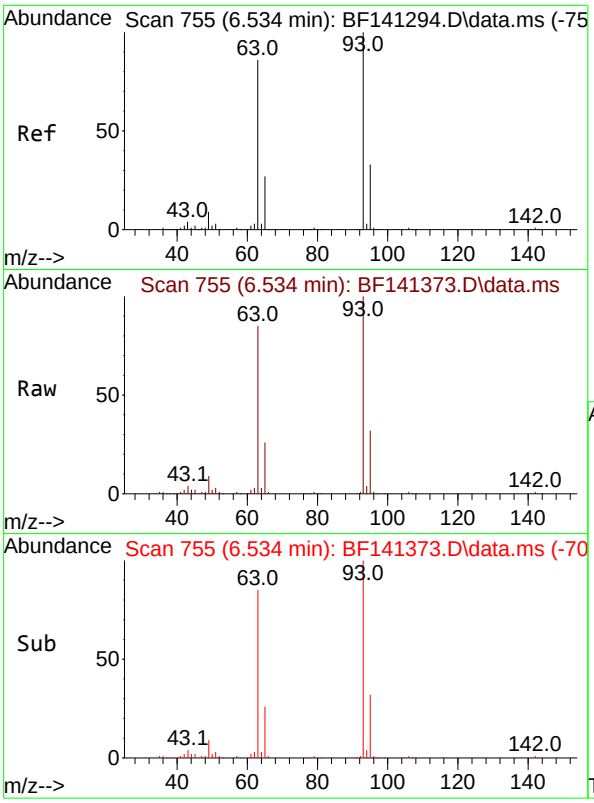


#10
Phenol
Concen: 38.559 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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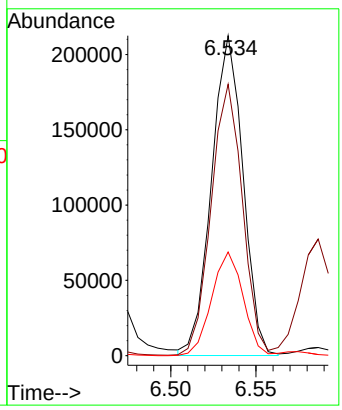
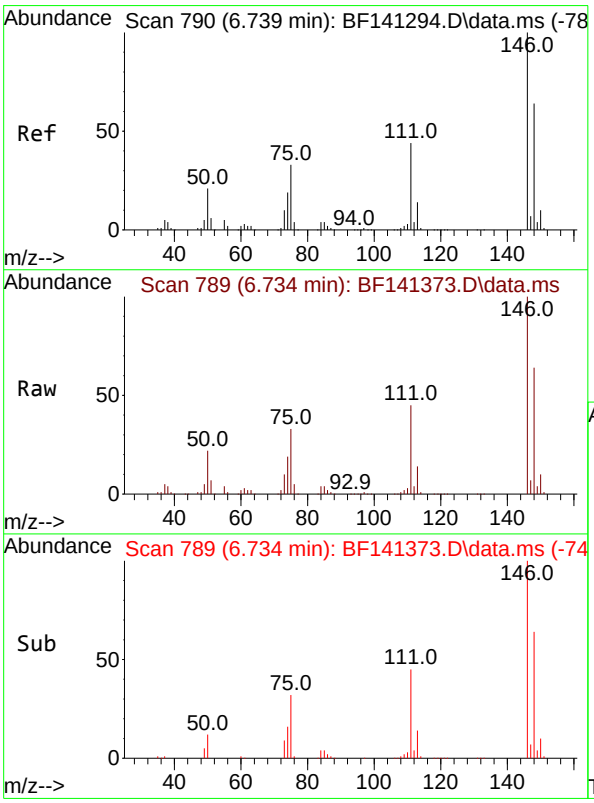
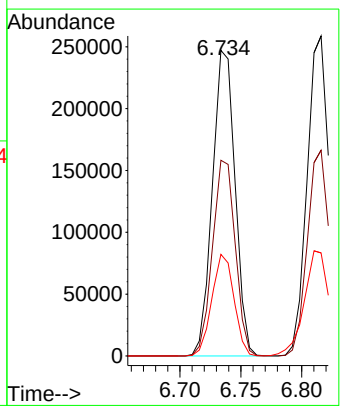


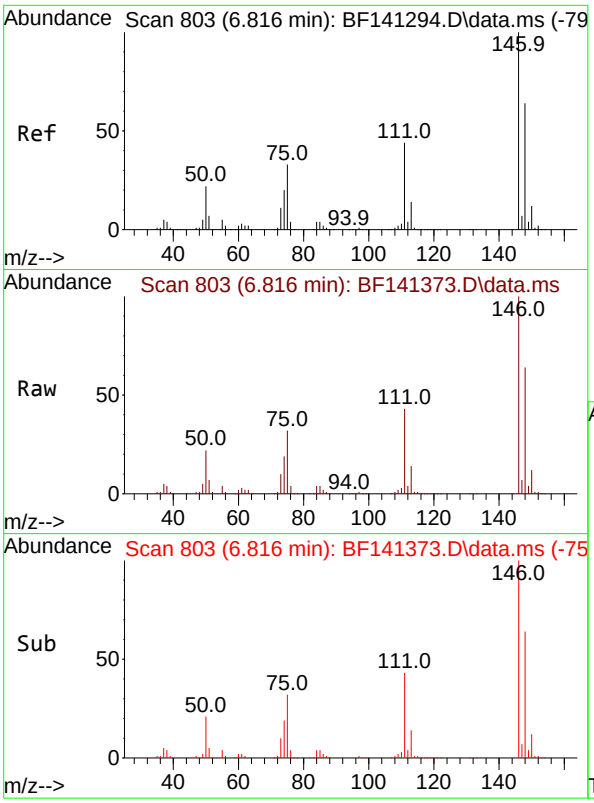


#12
1,3-Dichlorobenzene
Concen: 39.899 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

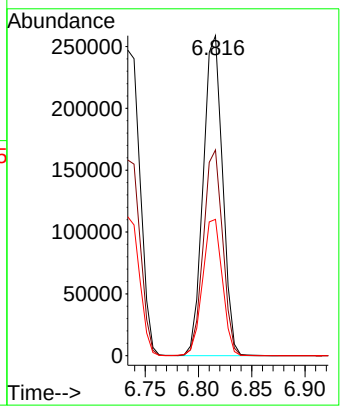




#13
1,4-Dichlorobenzene
Concen: 40.605 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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ClientSampleId :
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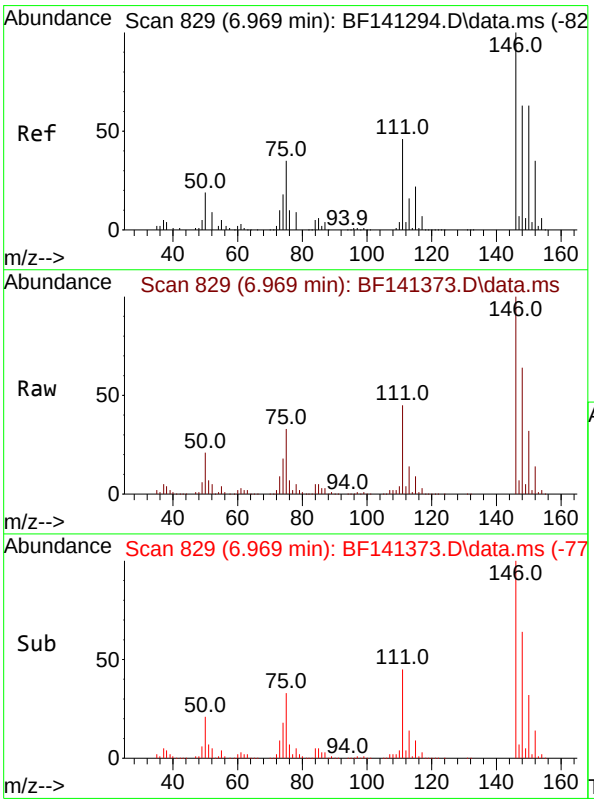
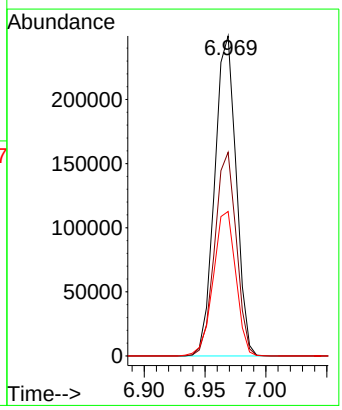
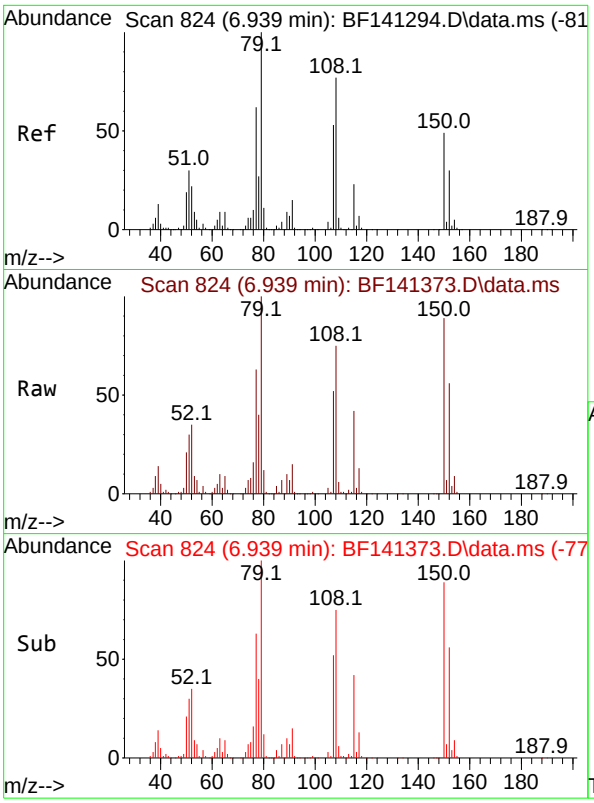


#14
1,2-Dichlorobenzene
Concen: 40.620 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

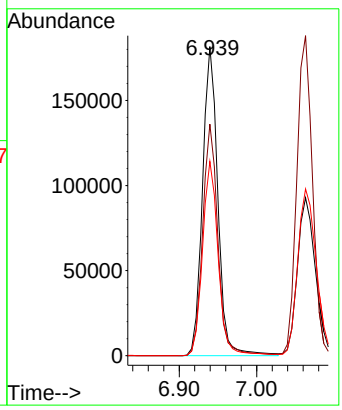




#15
Benzyl Alcohol
Concen: 42.330 ng
RT: 6.939 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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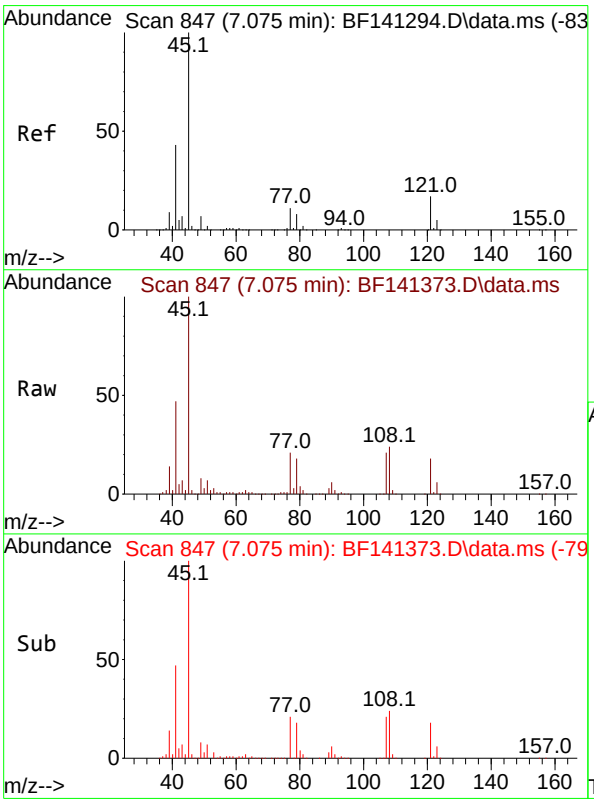
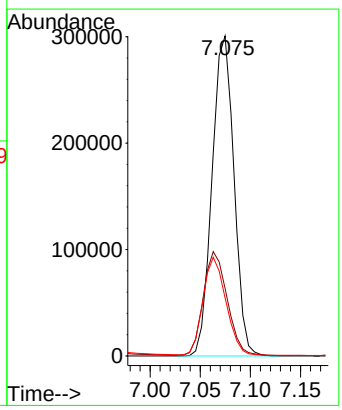
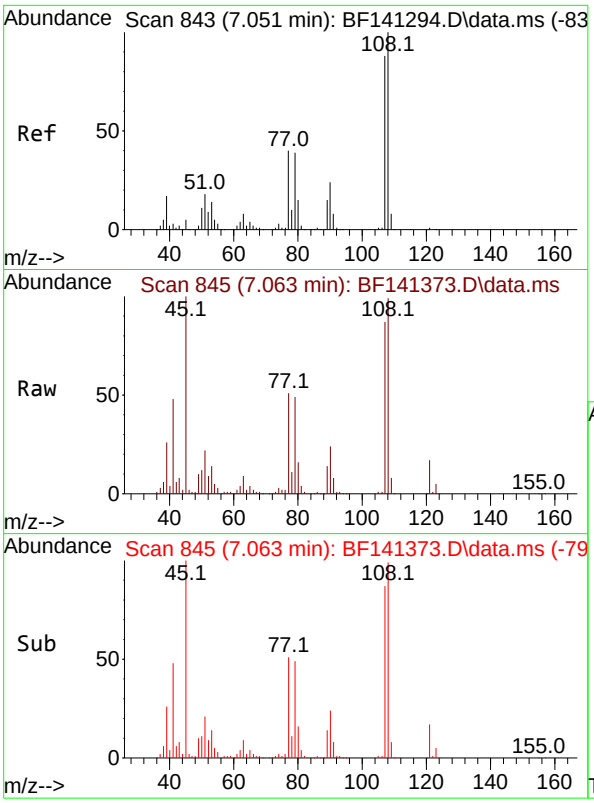


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.424 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

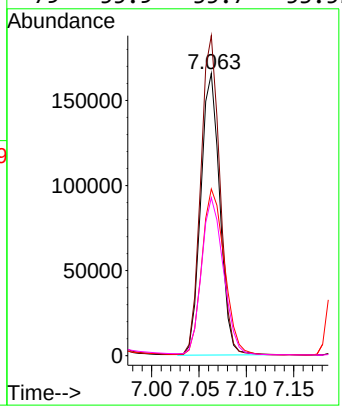




#17
2-Methylphenol
Concen: 39.098 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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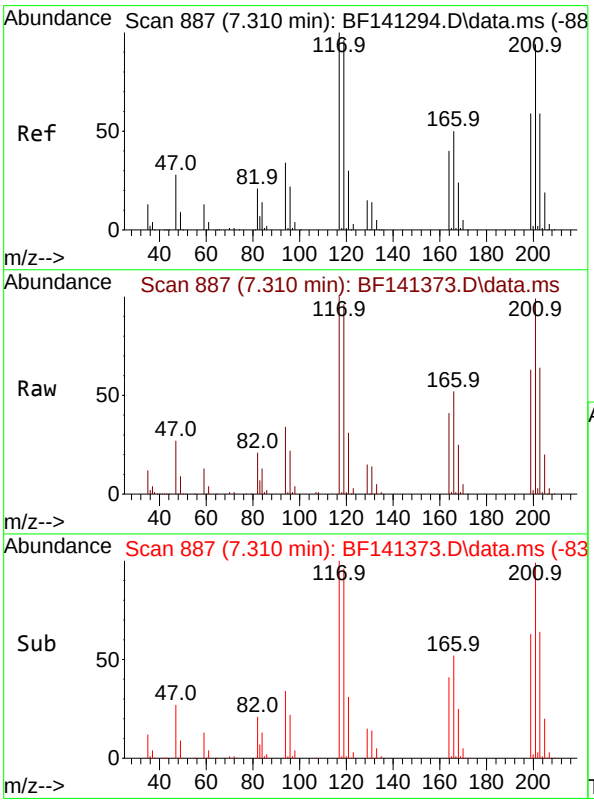
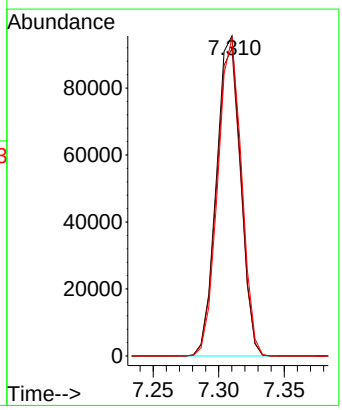
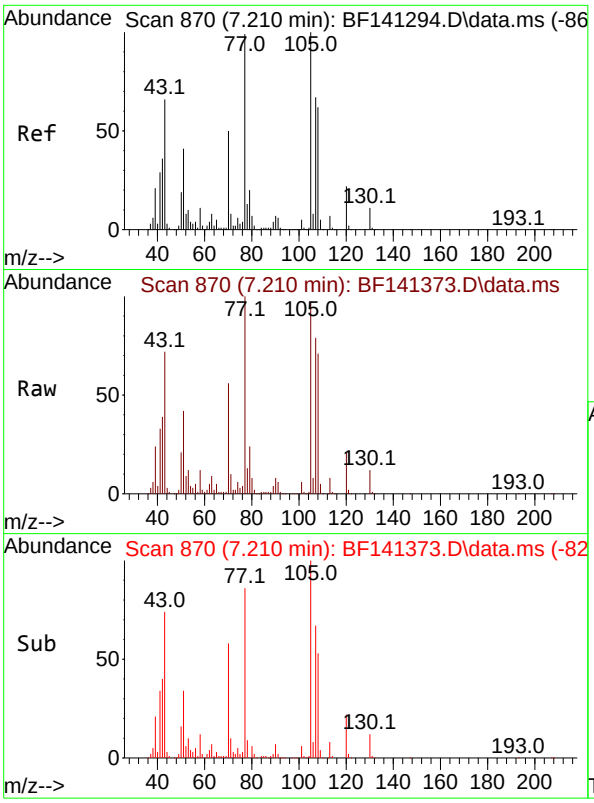


#18
Hexachloroethane
Concen: 41.378 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

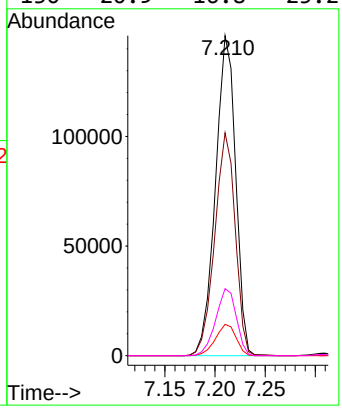




#19
n-Nitroso-di-n-propylamine
Concen: 39.842 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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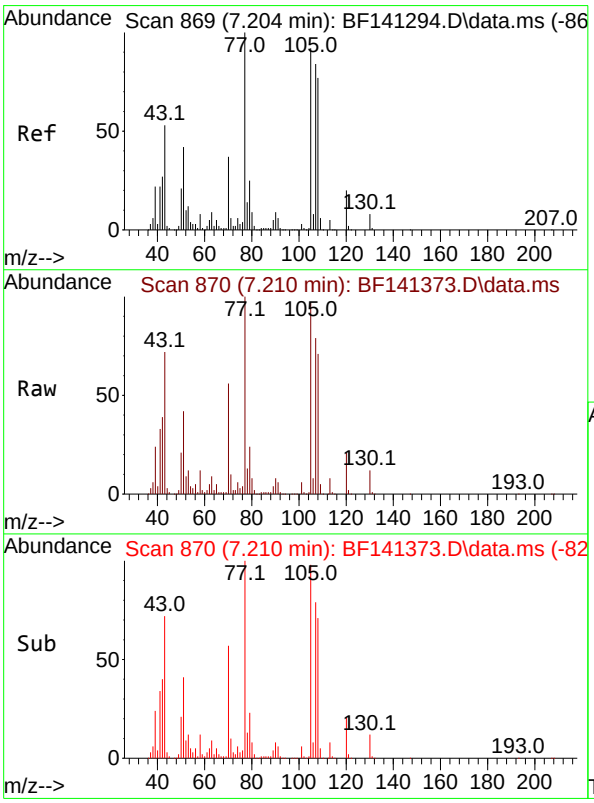
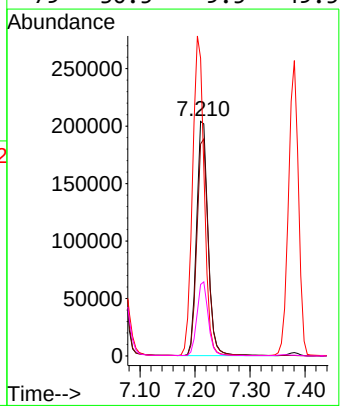
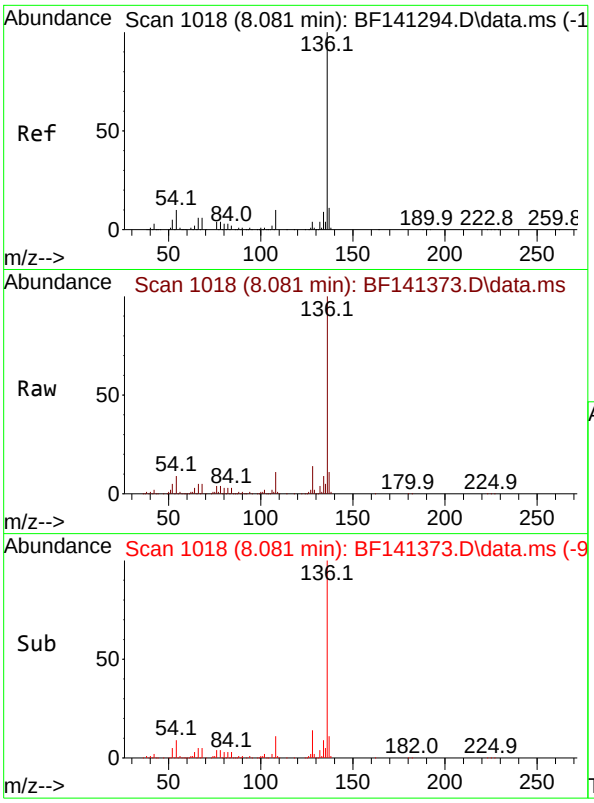


#20
3+4-Methylphenols
Concen: 40.751 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

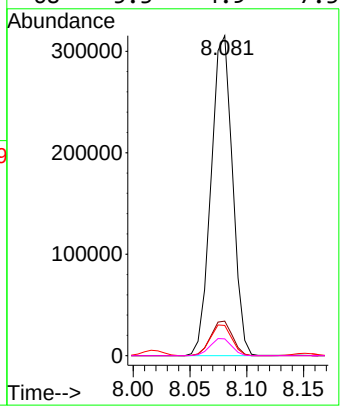




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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ClientSampleId :
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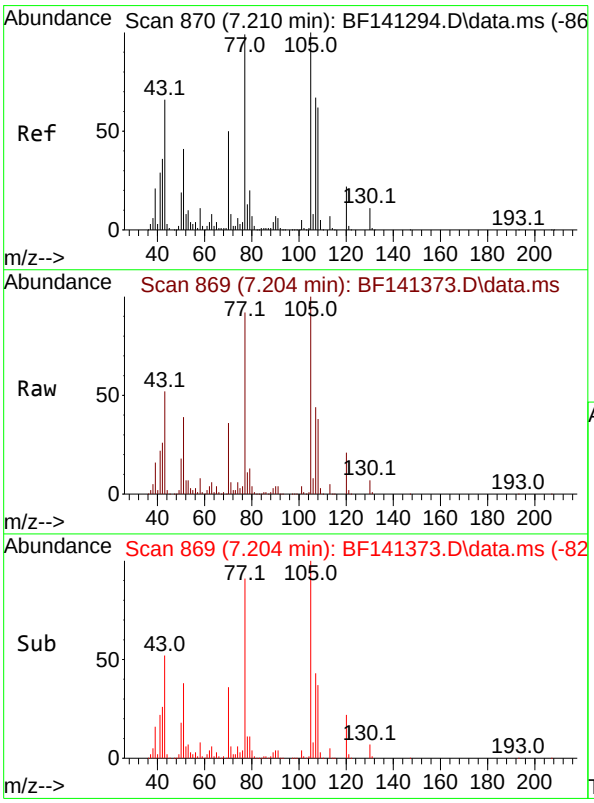
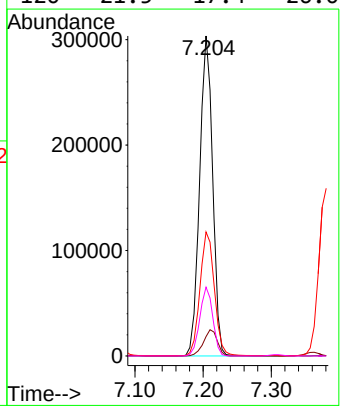
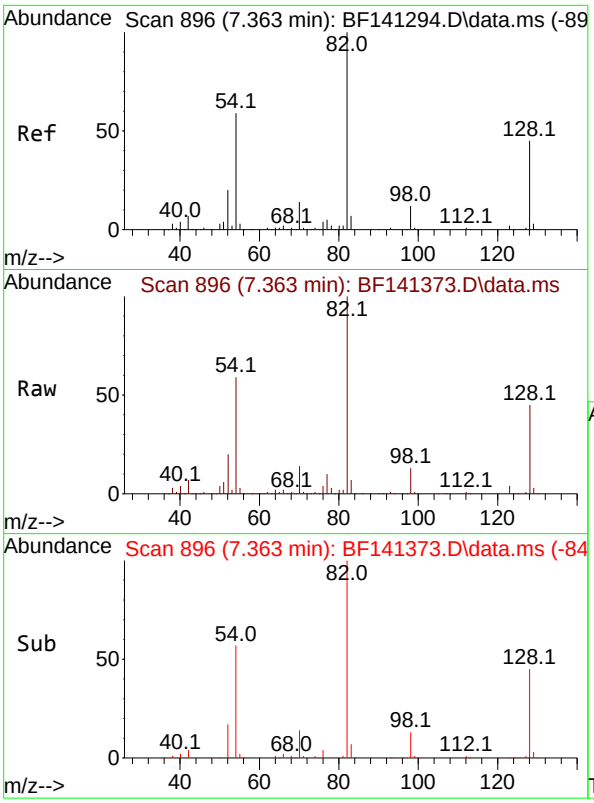


#22
Acetophenone
Concen: 40.923 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

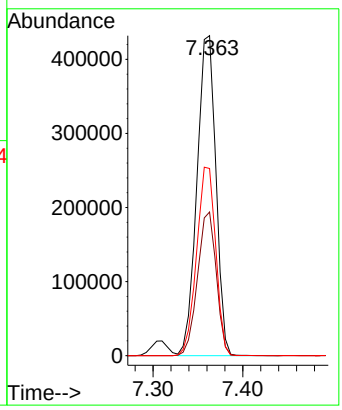




#23
Nitrobenzene-d5
Concen: 80.499 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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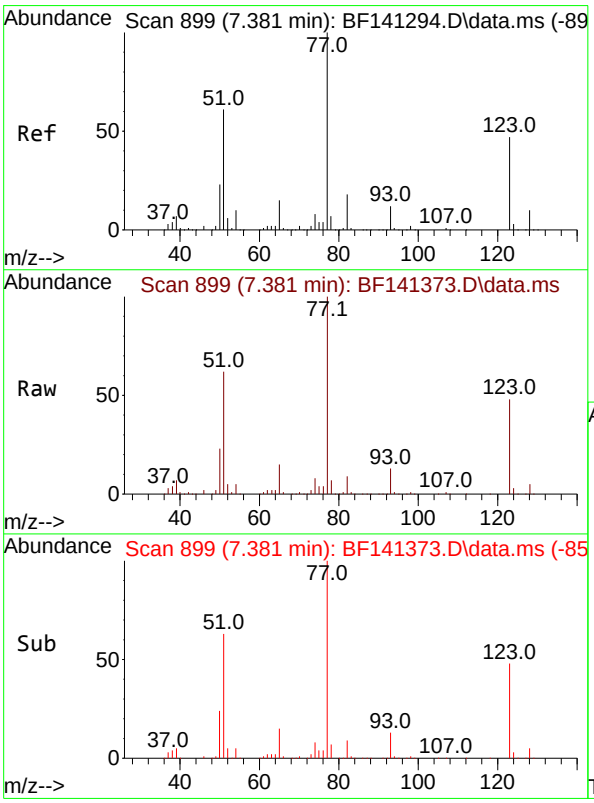
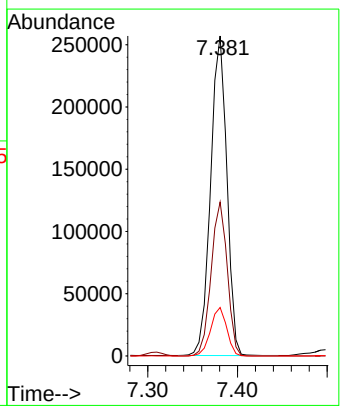
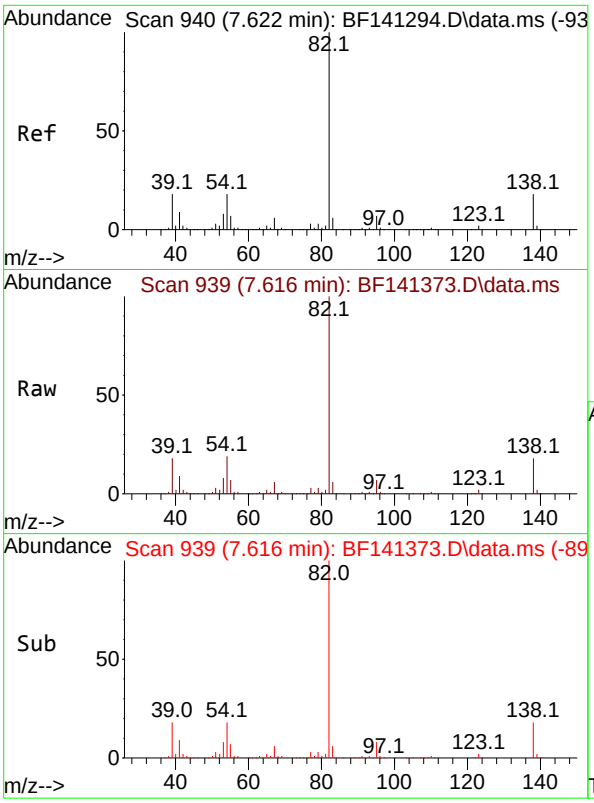


#24
Nitrobenzene
Concen: 39.612 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

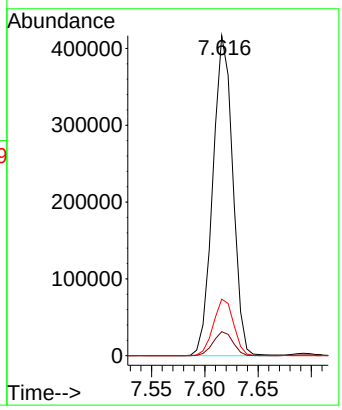




#25
Isophorone
Concen: 39.816 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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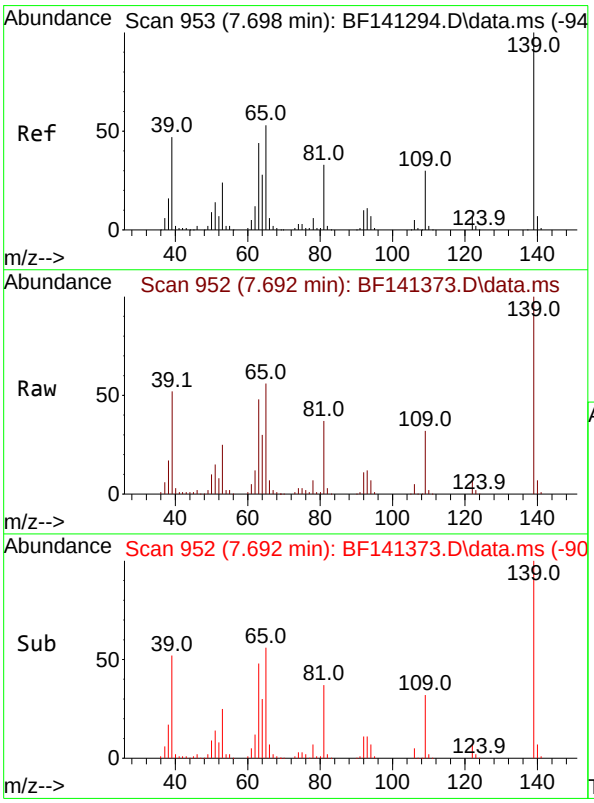
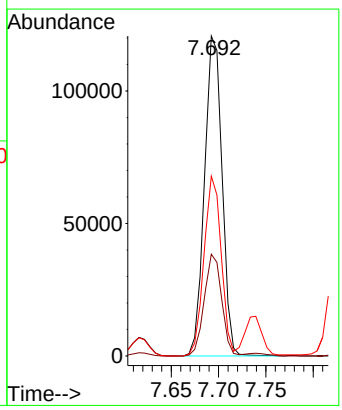
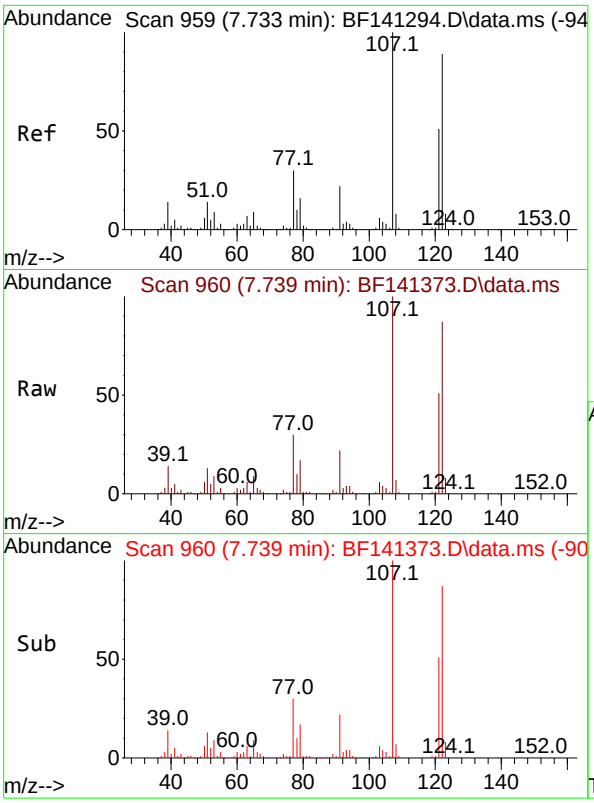


#26
2-Nitrophenol
Concen: 40.576 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

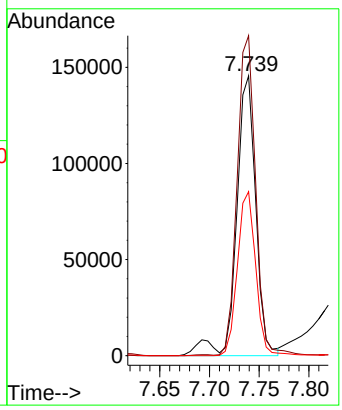




#27
2,4-Dimethylphenol
Concen: 40.168 ng m
RT: 7.739 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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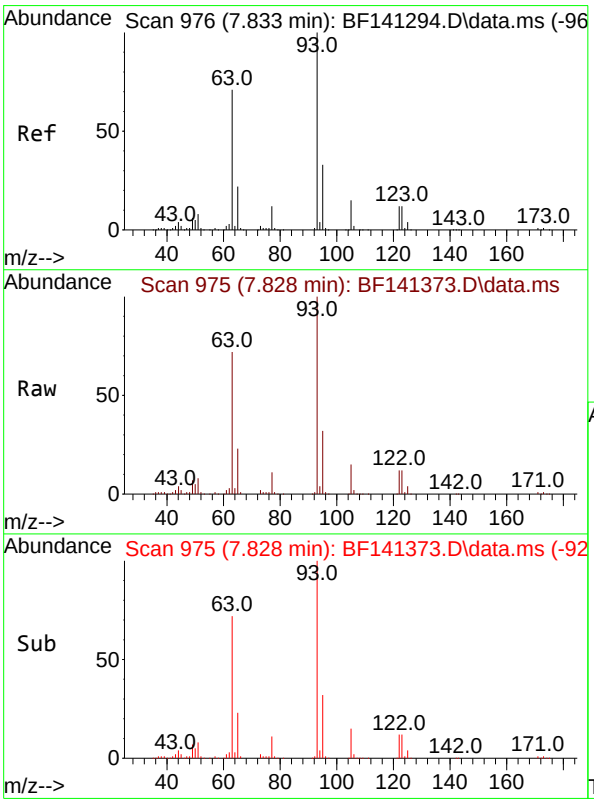
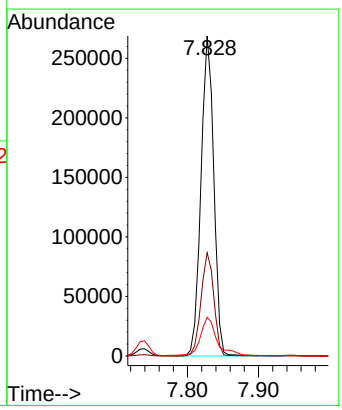
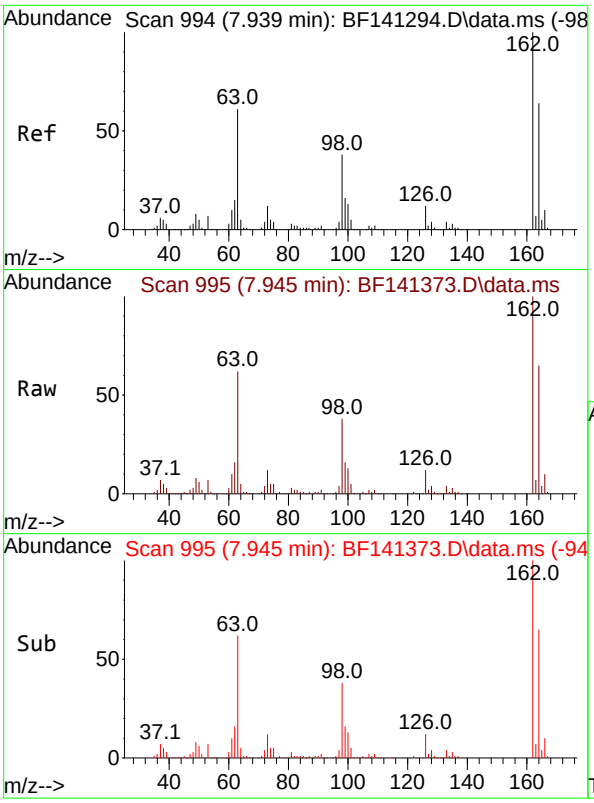


#28
bis(2-Chloroethoxy)methane
Concen: 39.010 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

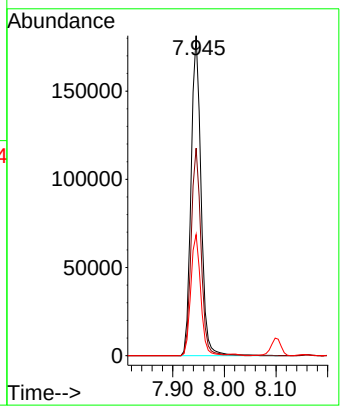




#29
2,4-Dichlorophenol
Concen: 40.508 ng
RT: 7.945 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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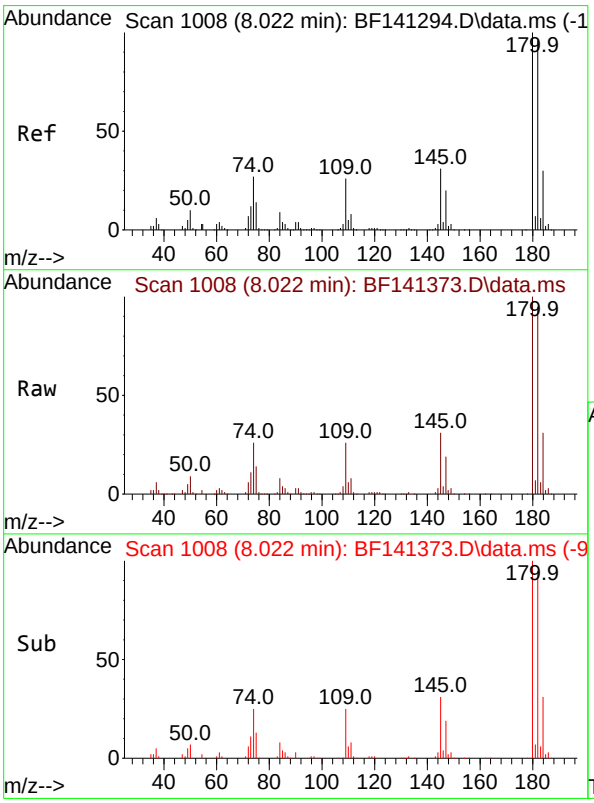
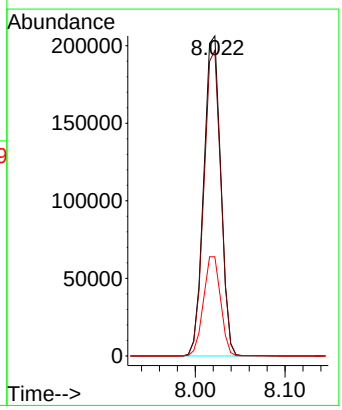
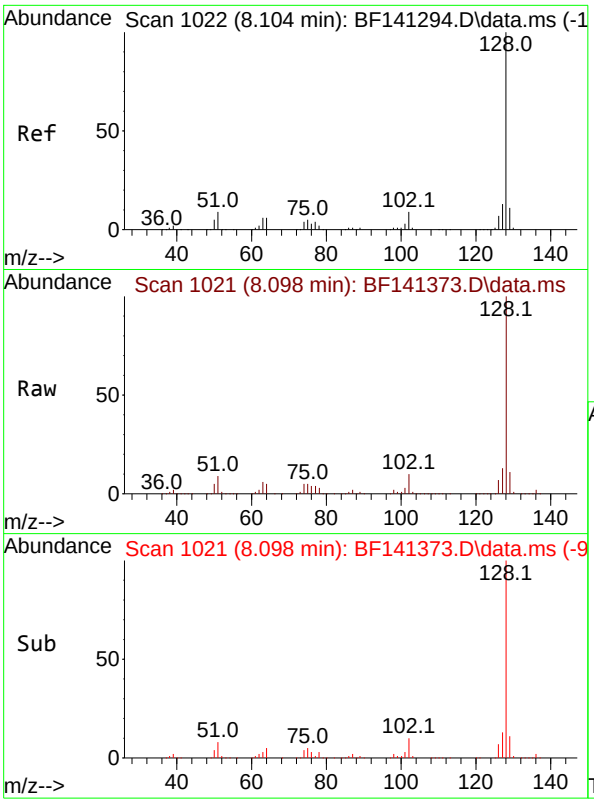


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

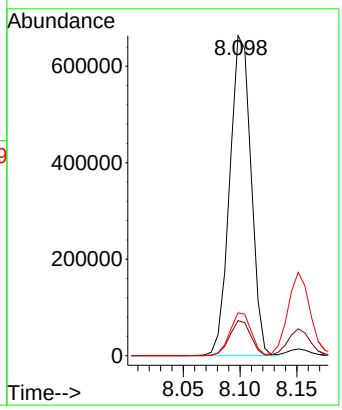




#31
Naphthalene
Concen: 39.616 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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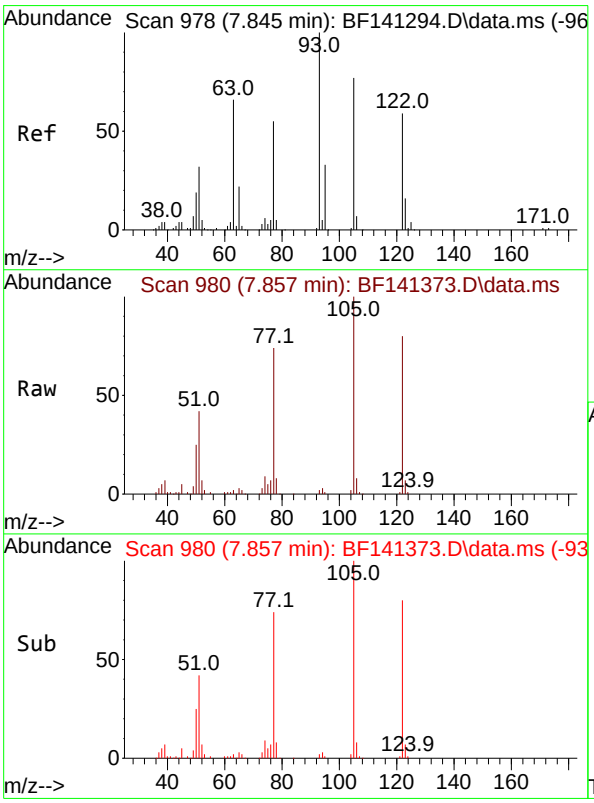
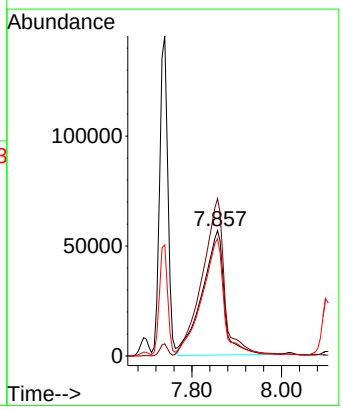
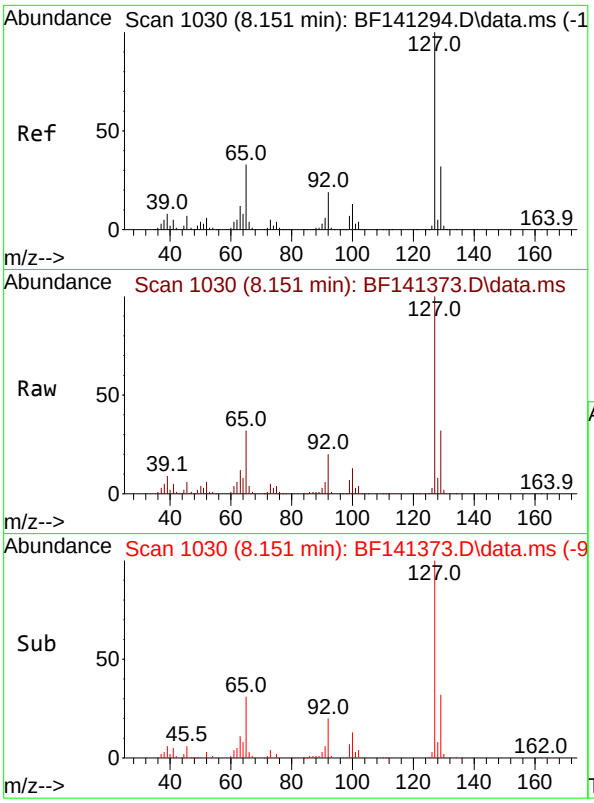


#32
Benzoic acid
Concen: 42.934 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

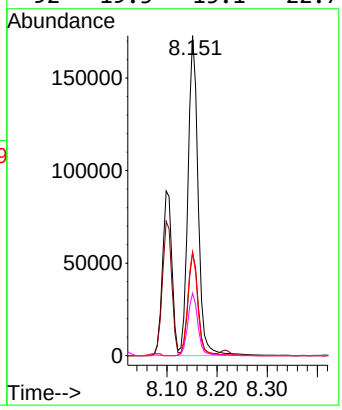




#33
4-Chloroaniline
Concen: 32.676 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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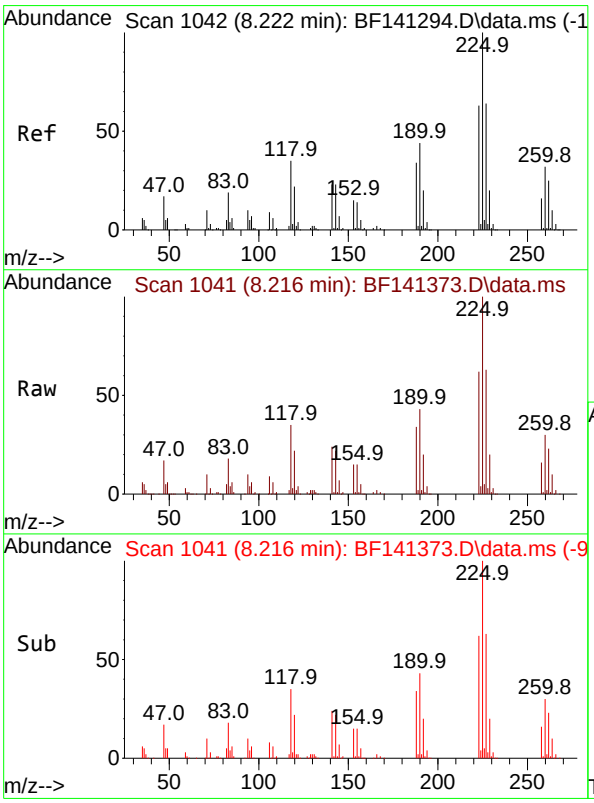
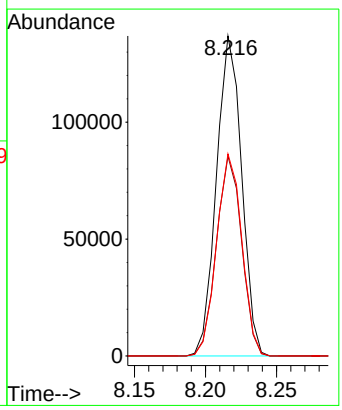
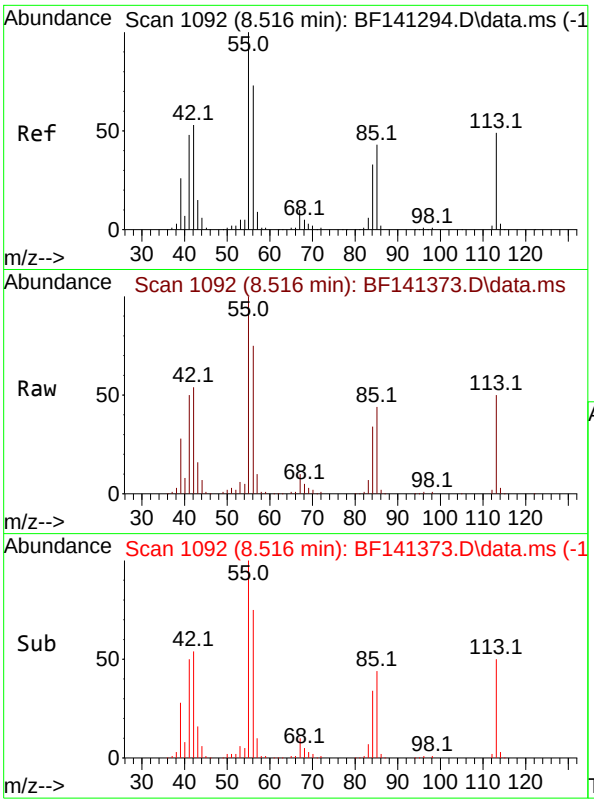


#34
Hexachlorobutadiene
Concen: 42.128 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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ClientSampleId :
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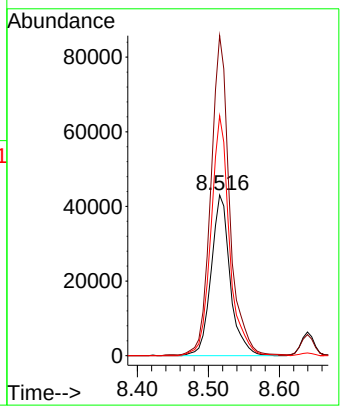
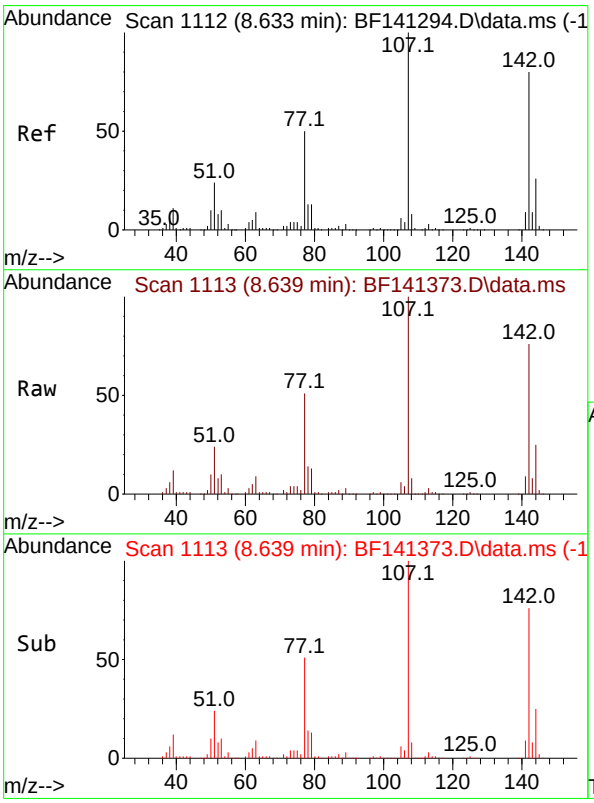
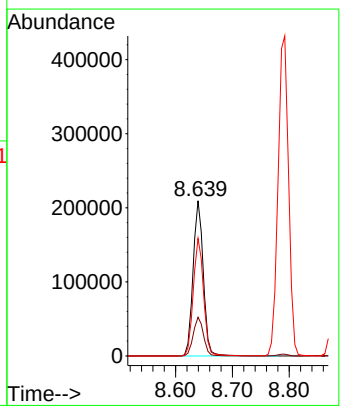


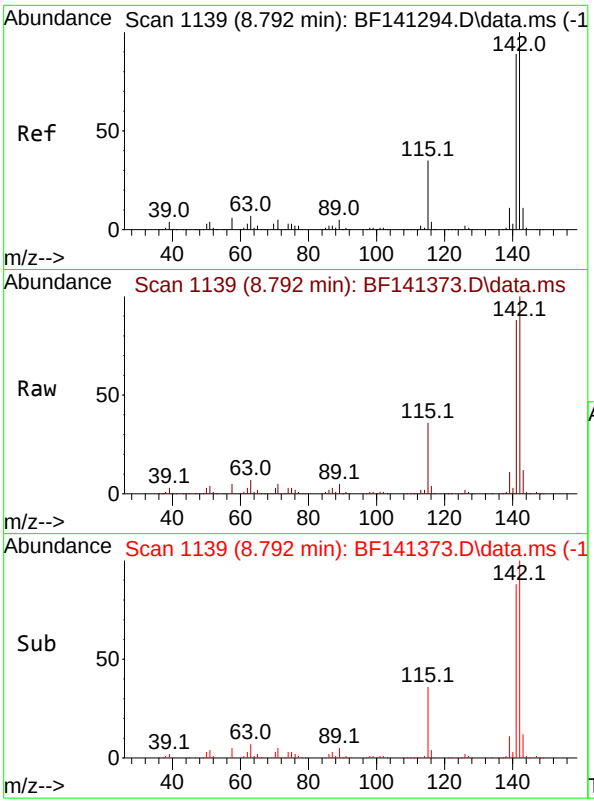


#36
4-Chloro-3-methylphenol
Concen: 41.066 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

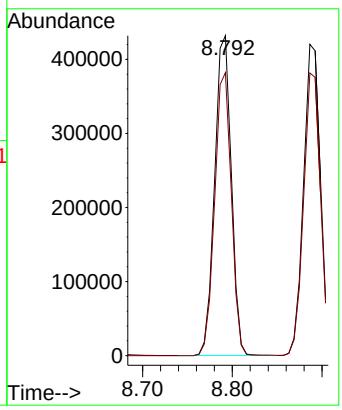




#37
2-Methylnaphthalene
Concen: 40.024 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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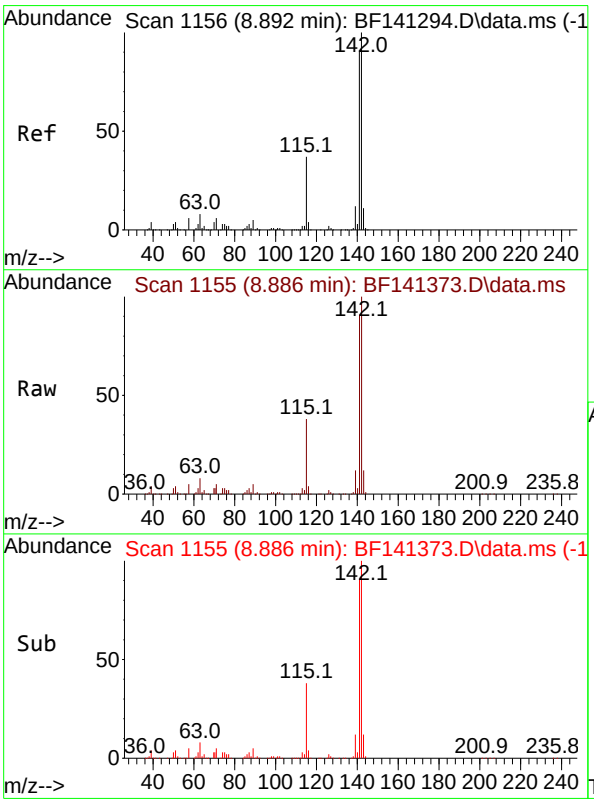
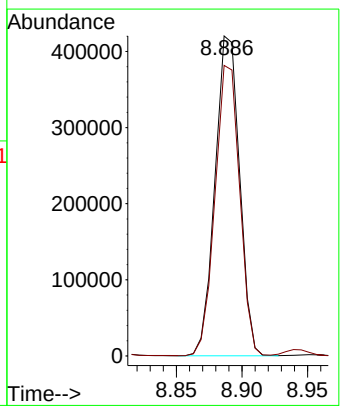
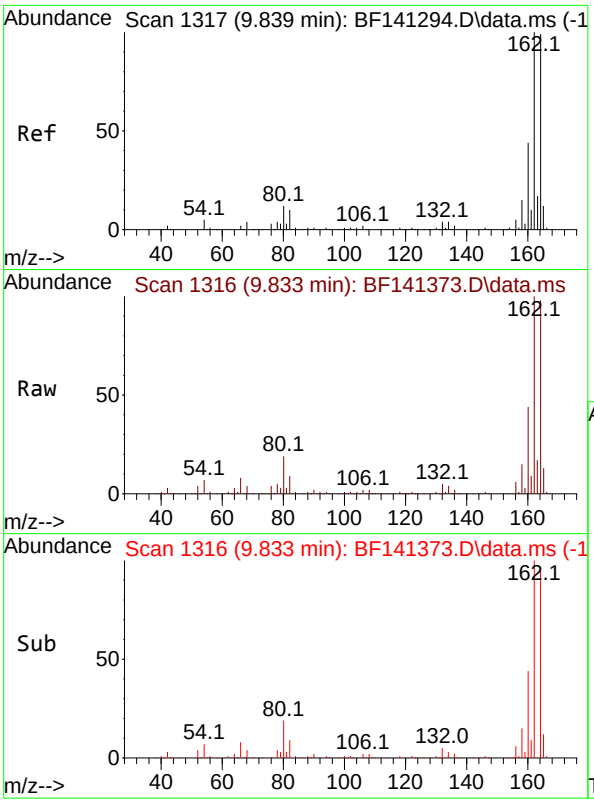


#38
1-Methylnaphthalene
Concen: 40.034 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 547195

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.2	109.8

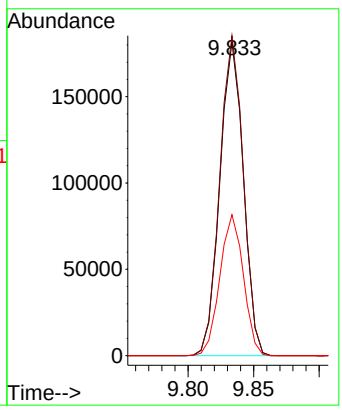




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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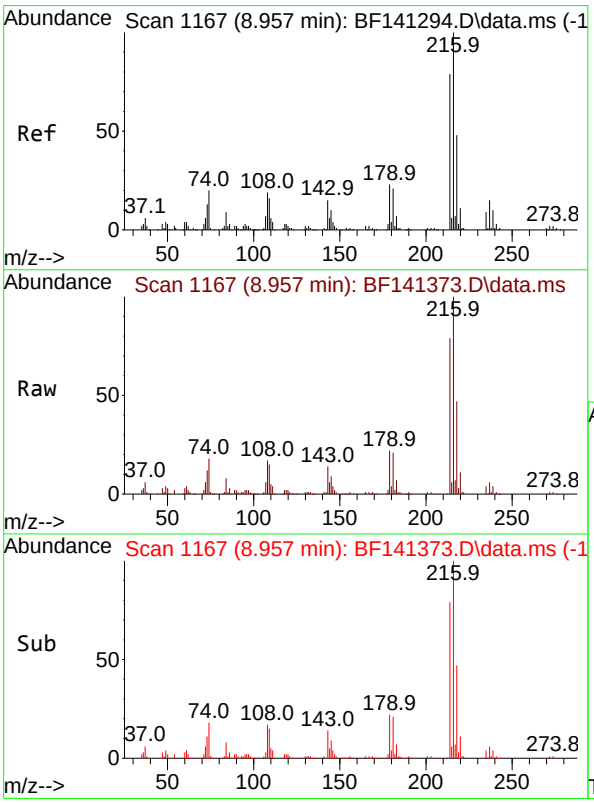
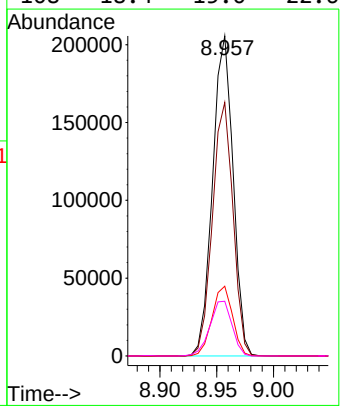
Supervised By :mohammad ahmed 02/06/2025

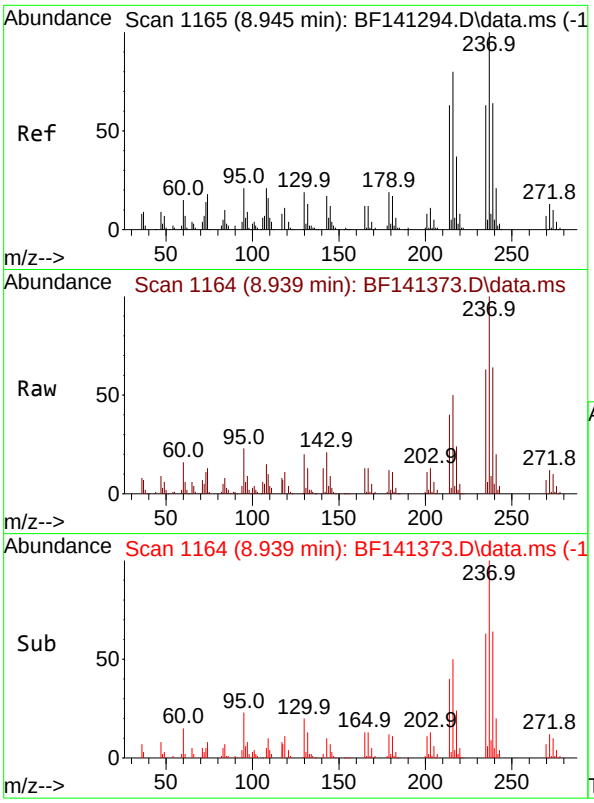


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.167 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

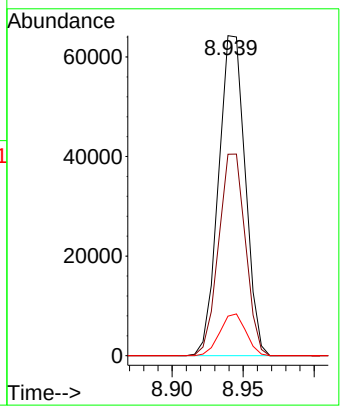




#41
Hexachlorocyclopentadiene
Concen: 44.173 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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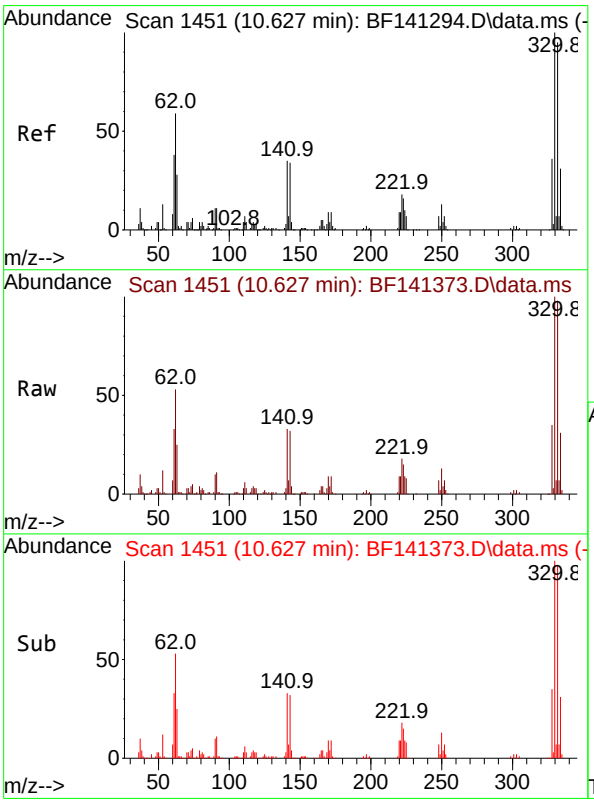
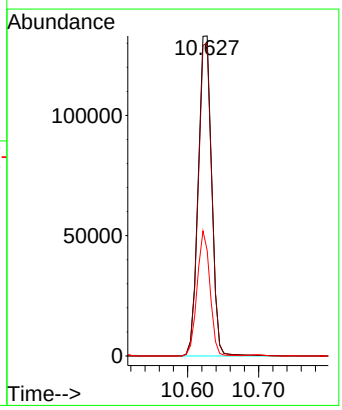
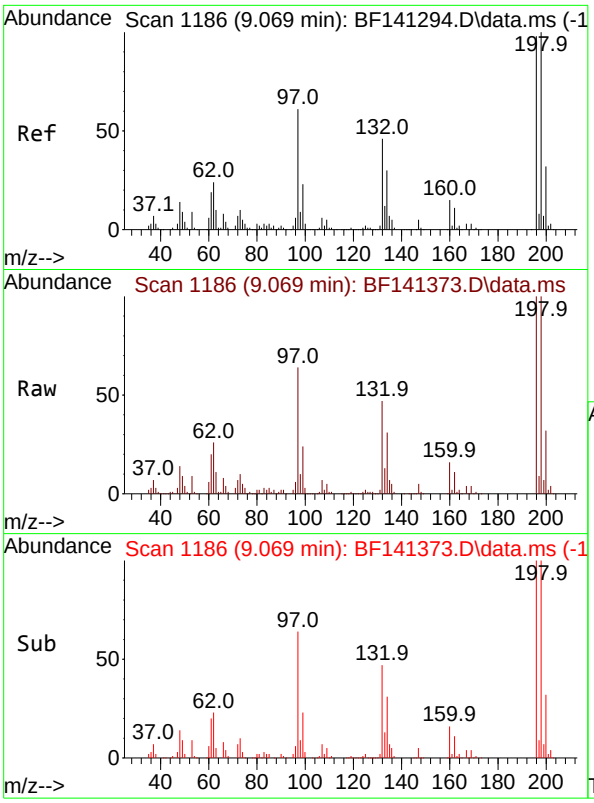


#42
2,4,6-Tribromophenol
Concen: 84.706 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

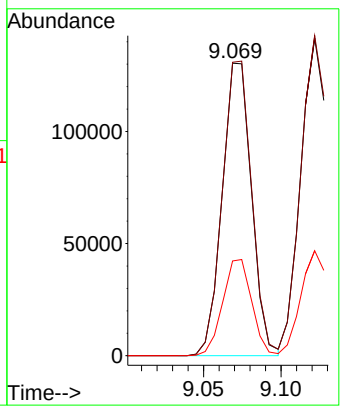




#43
2,4,6-Trichlorophenol
Concen: 40.768 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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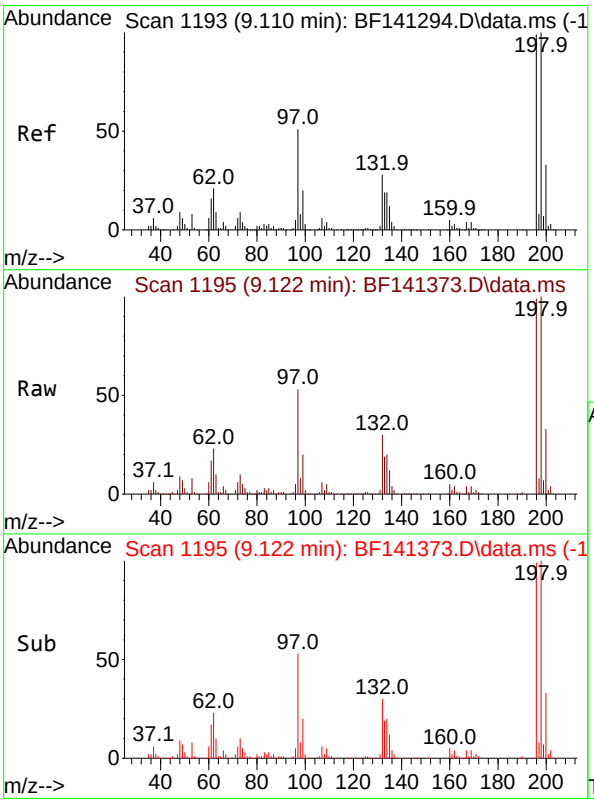
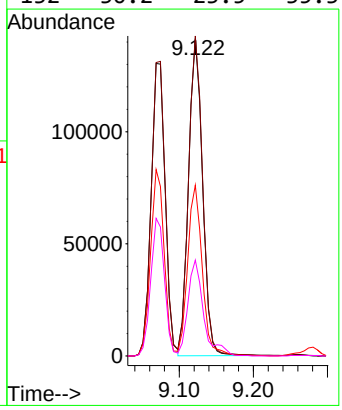
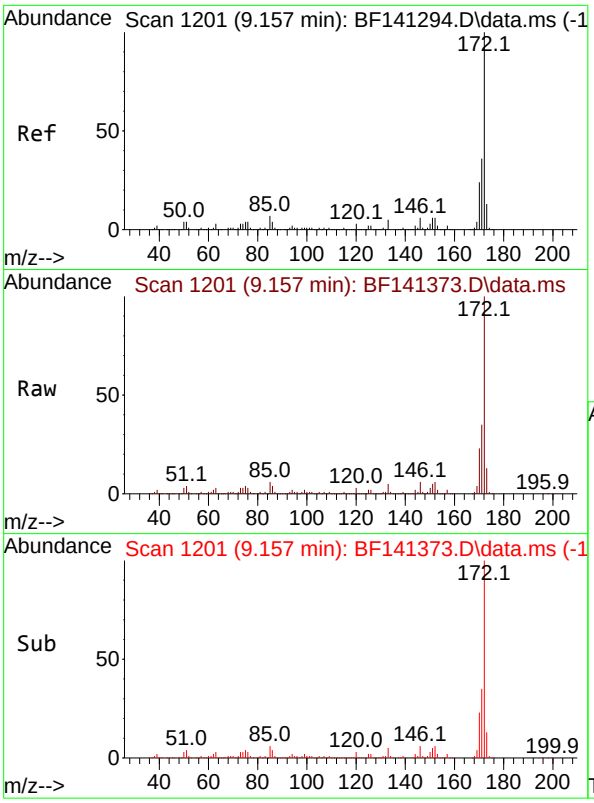


#44
2,4,5-Trichlorophenol
Concen: 40.747 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Instrument :
BNA_F
ClientSampleId :
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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

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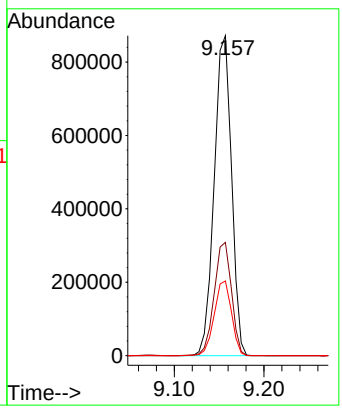
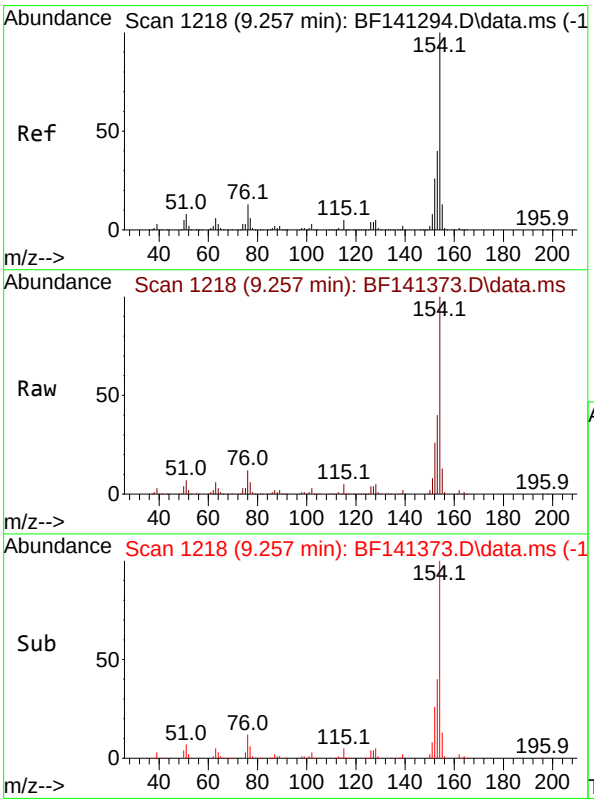
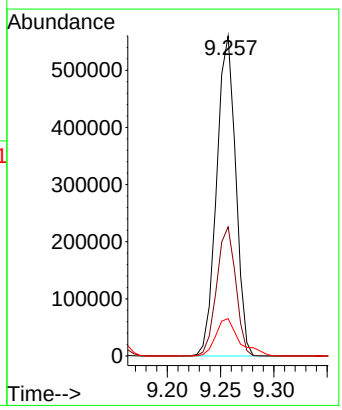


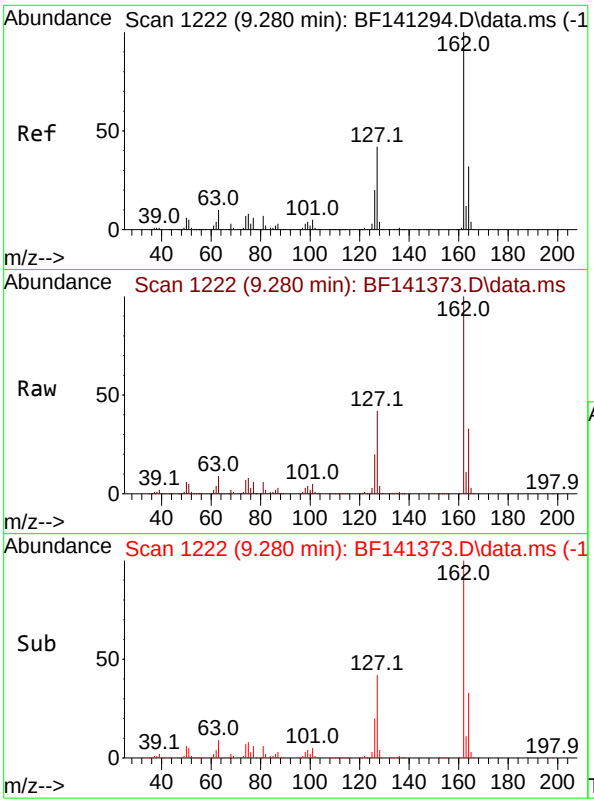


#46
1,1'-Biphenyl
Concen: 39.393 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

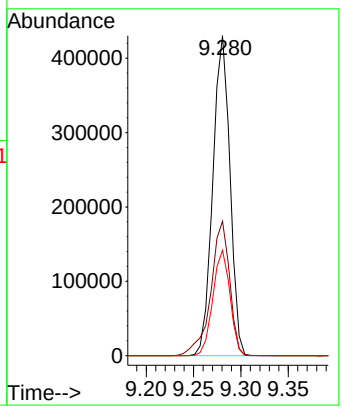




#47
2-Chloronaphthalene
Concen: 39.346 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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ClientSampleId :
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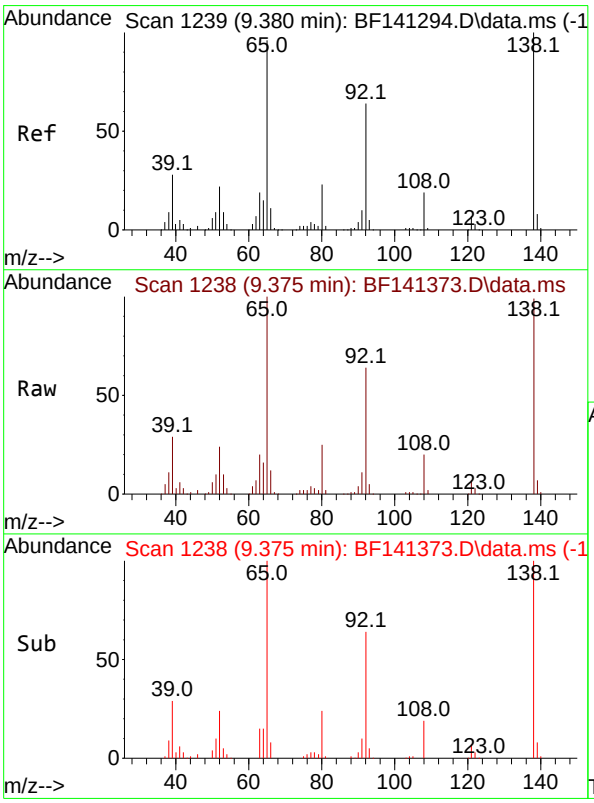
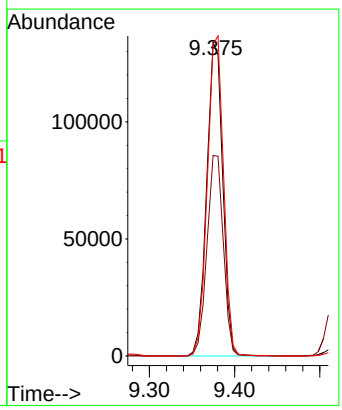
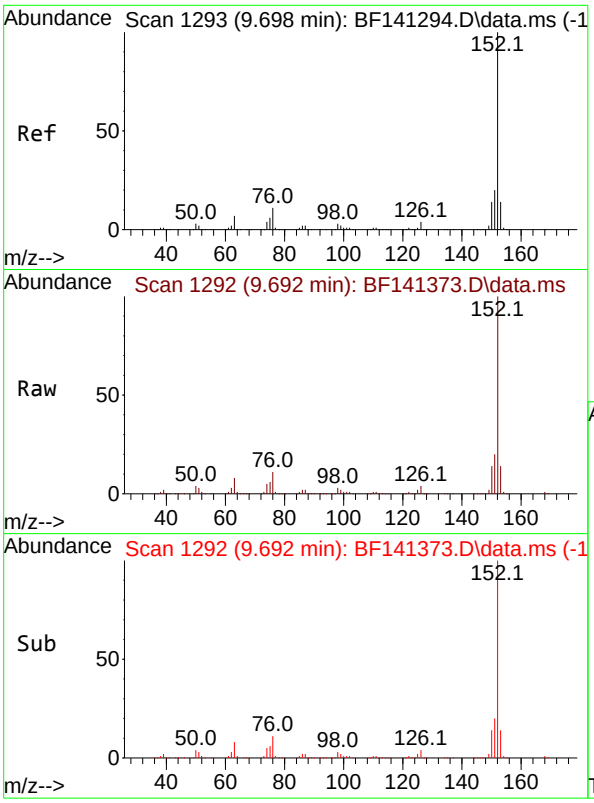


#48
2-Nitroaniline
Concen: 40.613 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

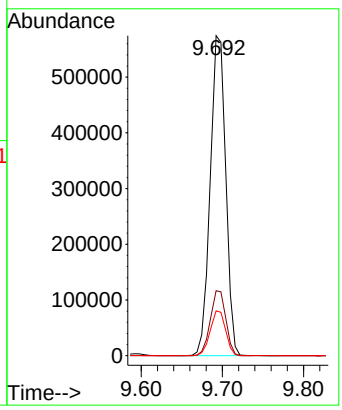




#49
Acenaphthylene
Concen: 39.561 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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ClientSampleId :
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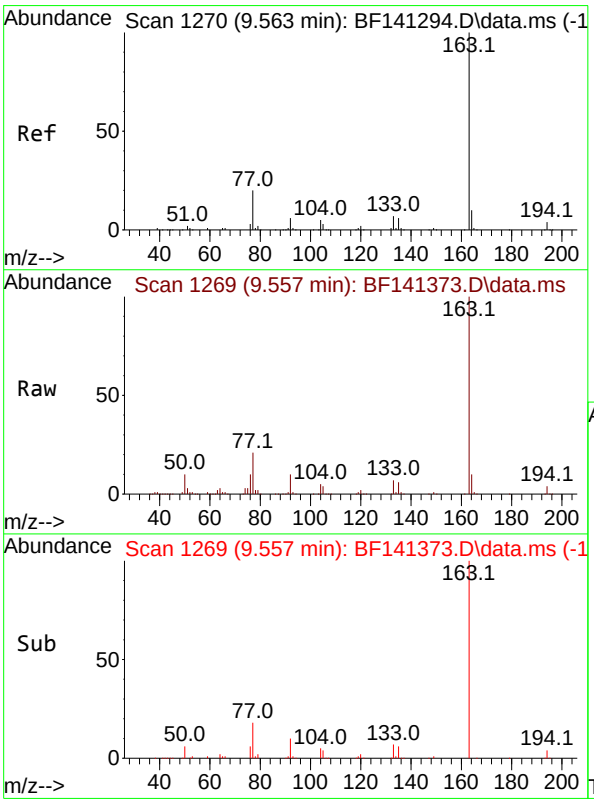
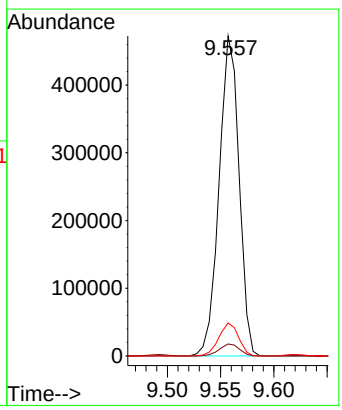
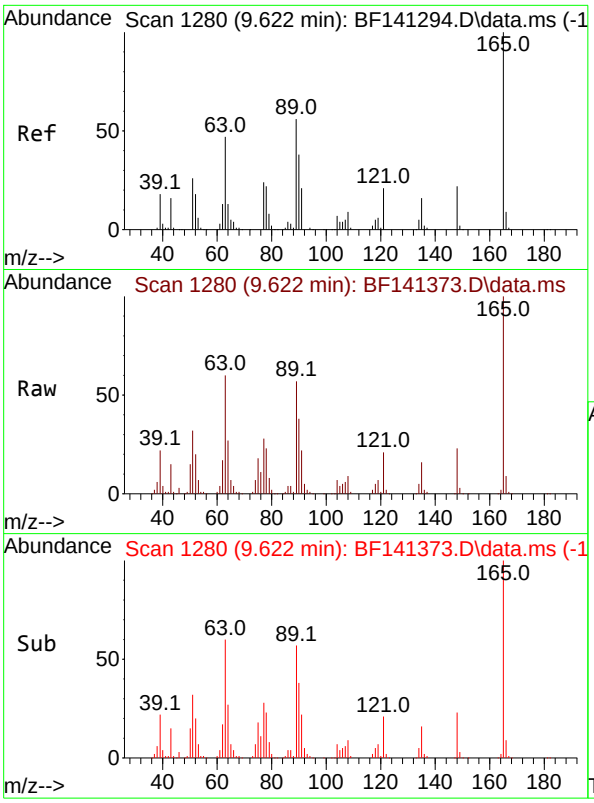


#50
Dimethylphthalate
Concen: 40.182 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

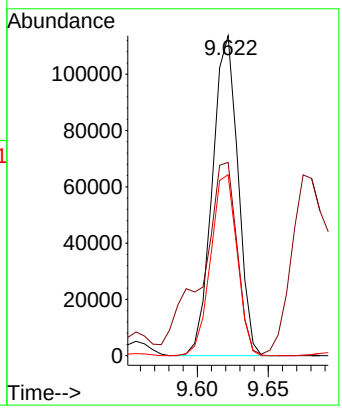




#51
2,6-Dinitrotoluene
Concen: 40.128 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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
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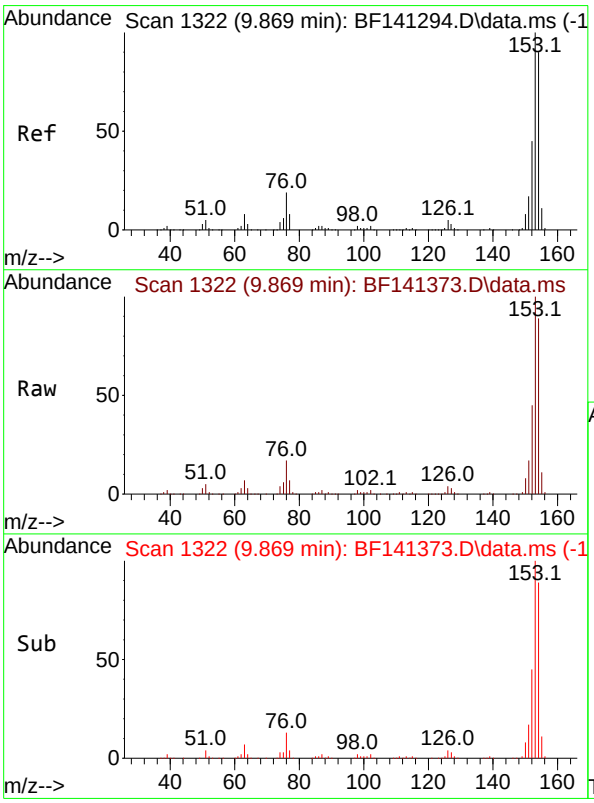
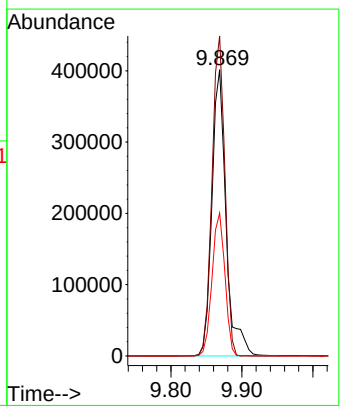
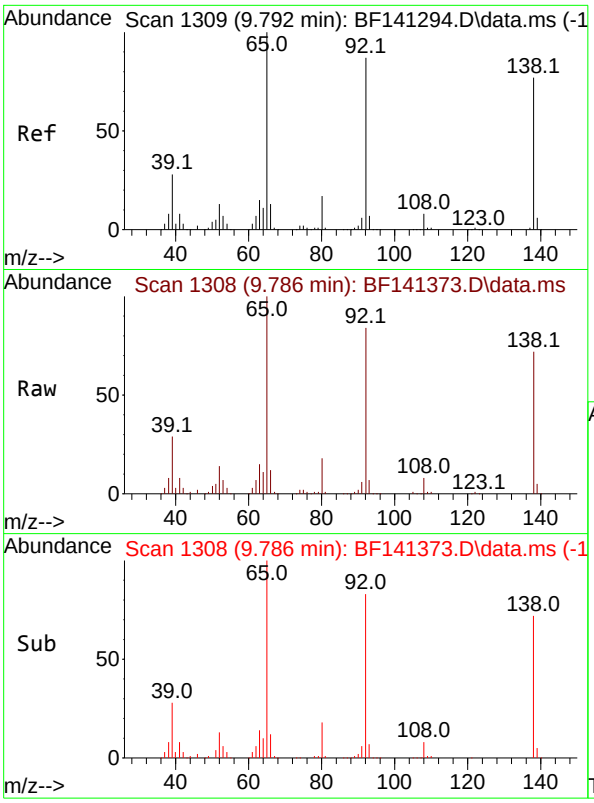


#52
Acenaphthene
Concen: 40.321 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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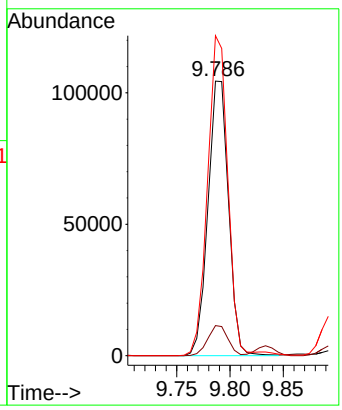
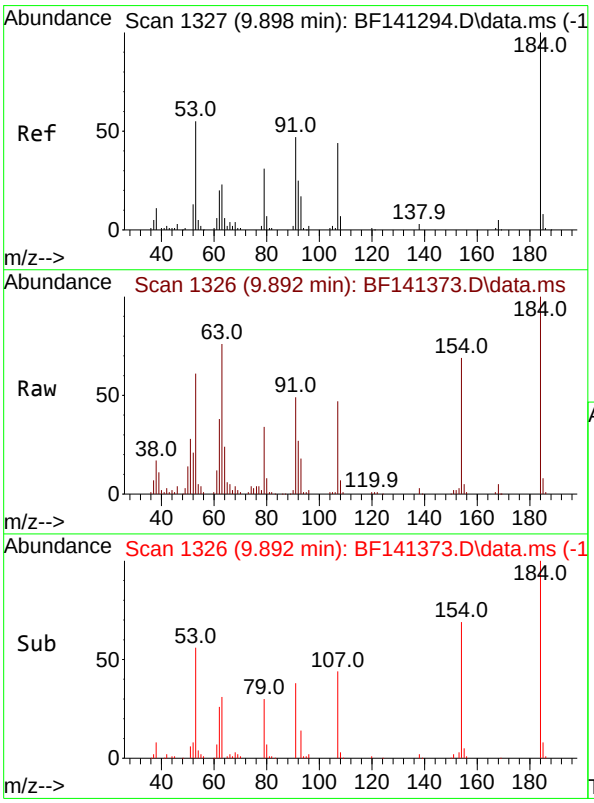
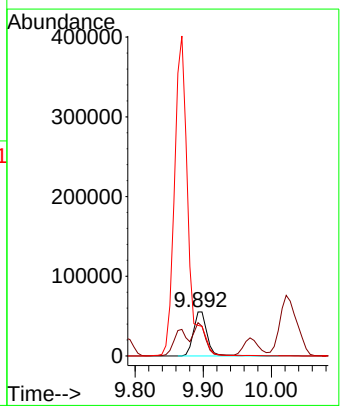


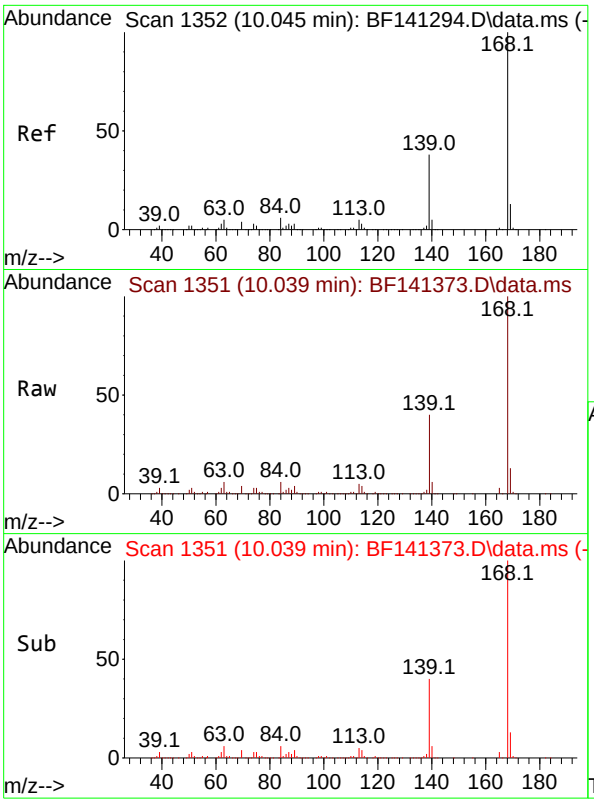


#54
2,4-Dinitrophenol
Concen: 46.667 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

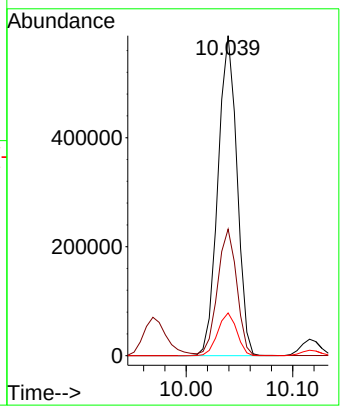




#55
Dibenzofuran
Concen: 39.528 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
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ClientSampleId :
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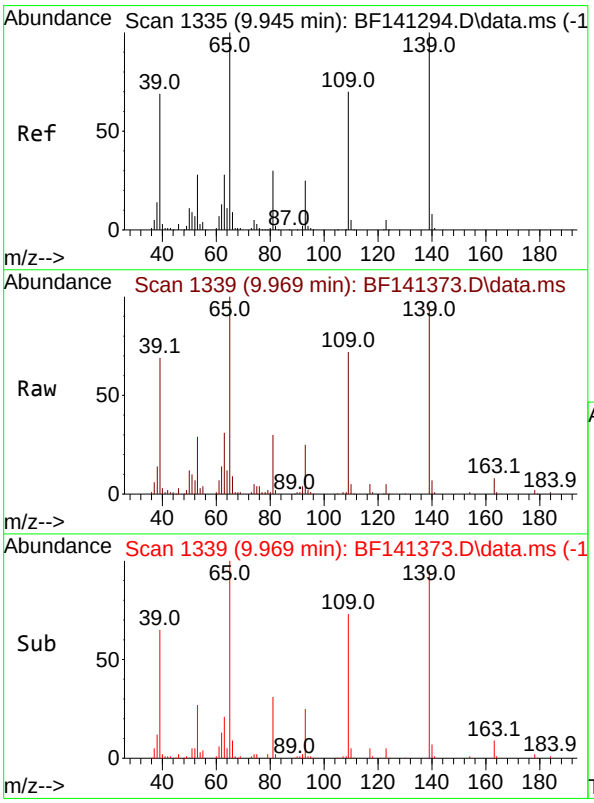
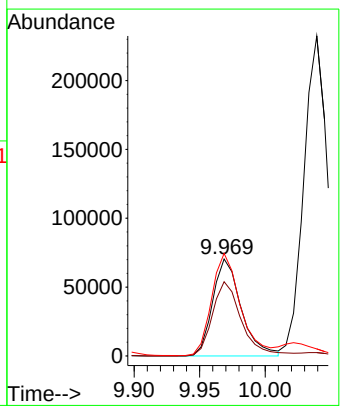
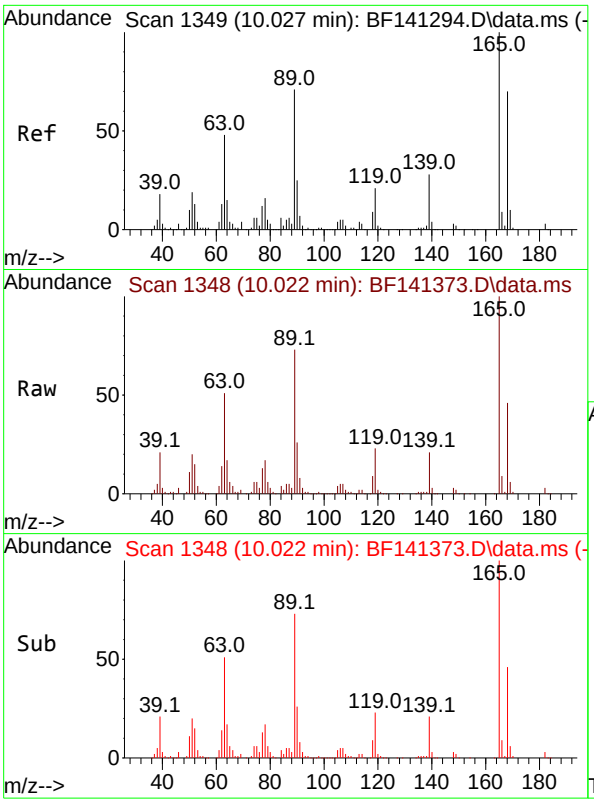


#56
4-Nitrophenol
Concen: 41.887 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

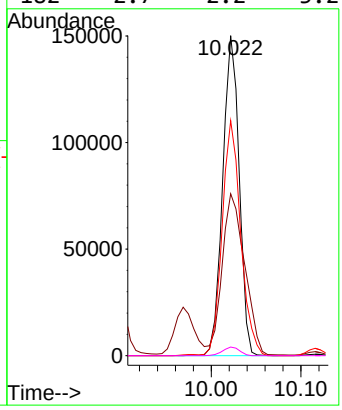




#57
2,4-Dinitrotoluene
Concen: 41.657 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
SSTDCCC040

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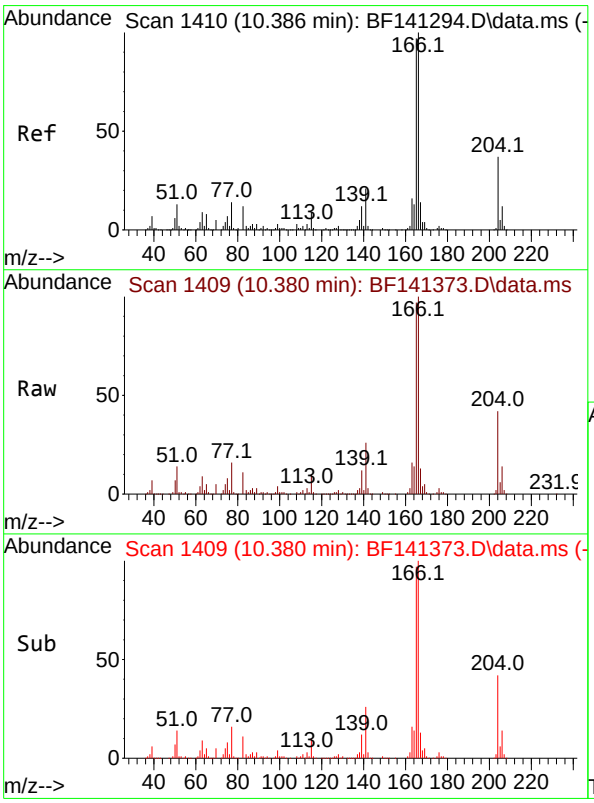
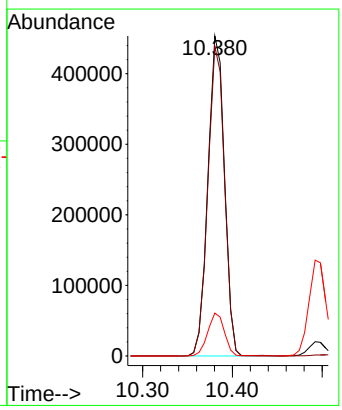
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

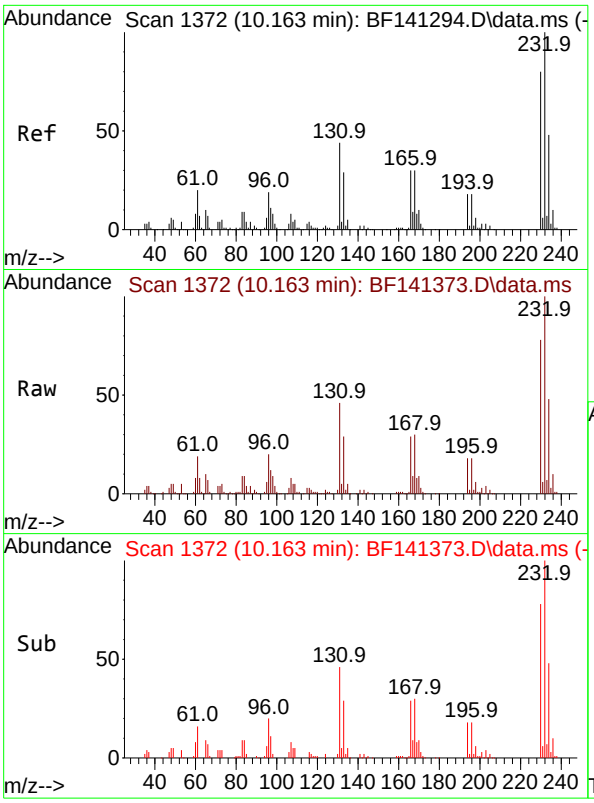


#58
Fluorene
Concen: 40.737 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

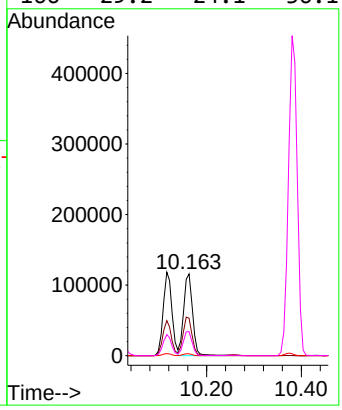




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.131 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
SSTDCCC040

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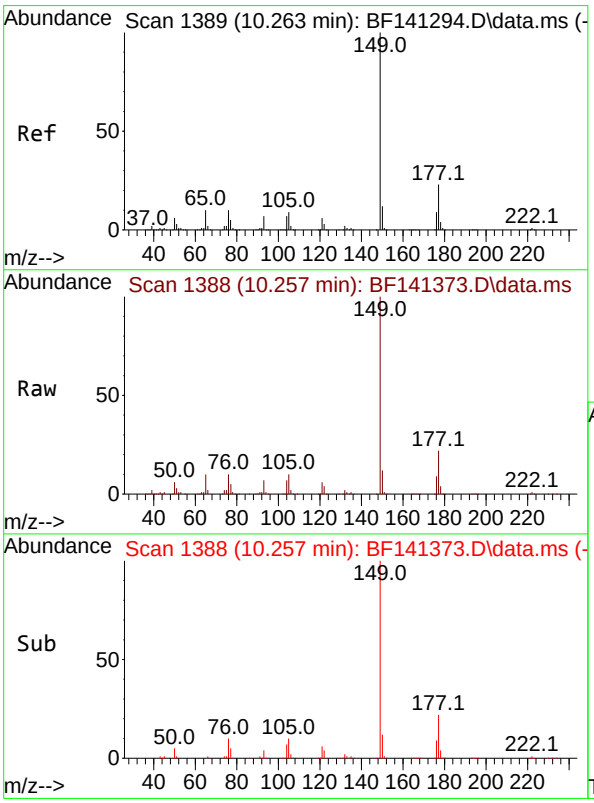
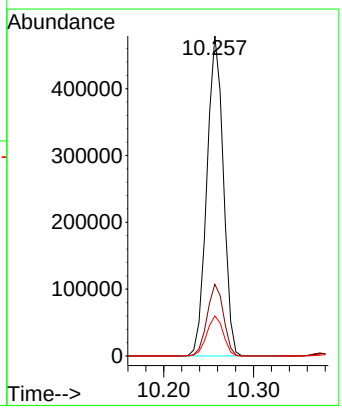
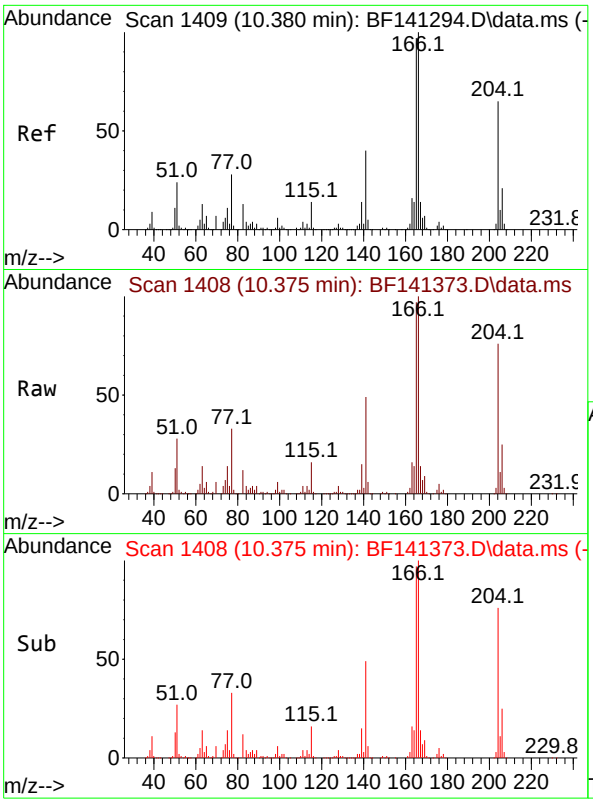


#60
Diethylphthalate
Concen: 41.105 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
SSTDCCC040

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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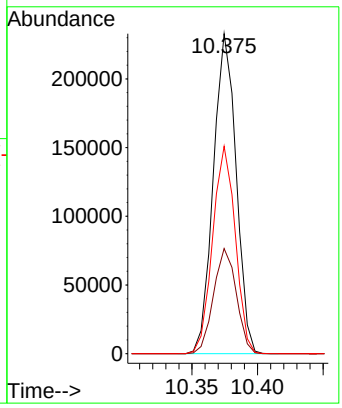
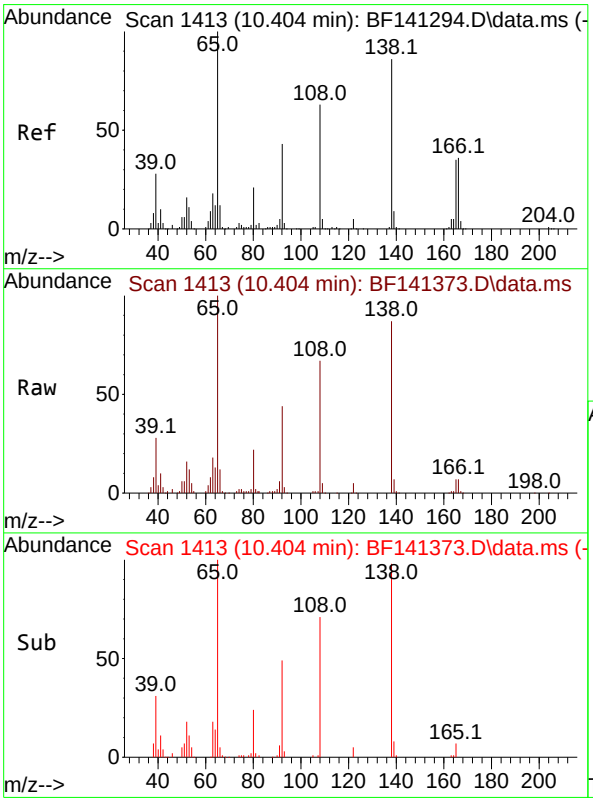
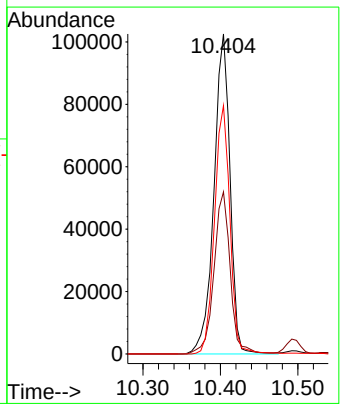


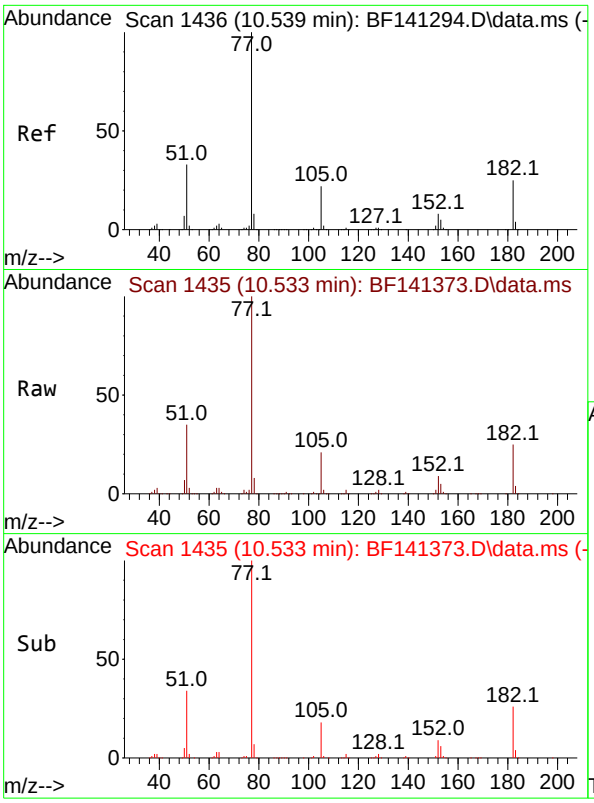


#62
4-Nitroaniline
Concen: 43.258 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

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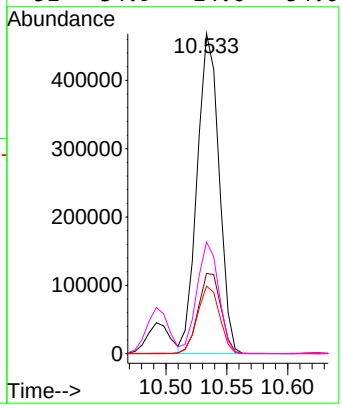
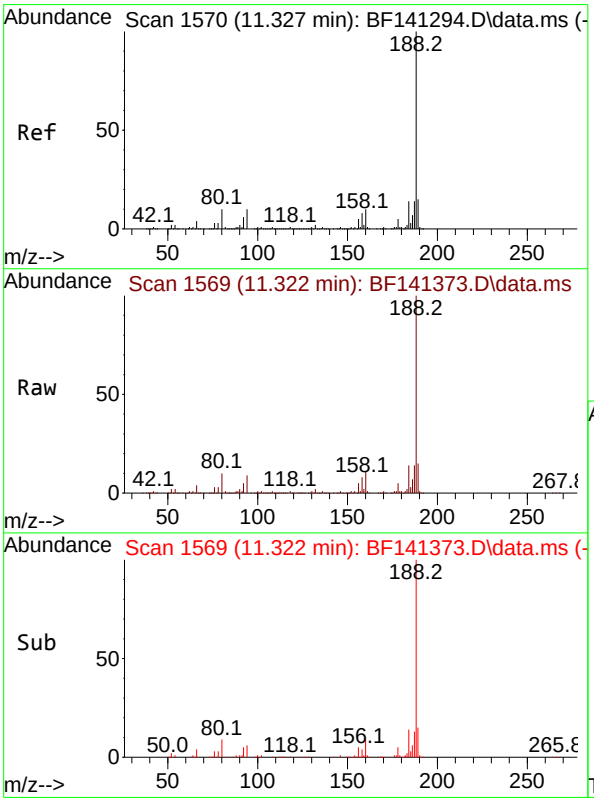
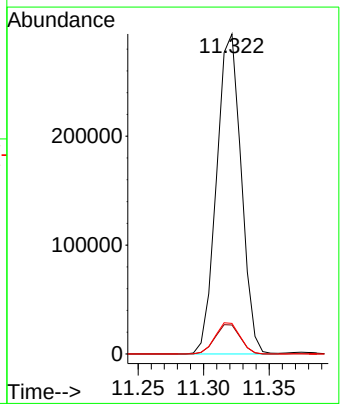


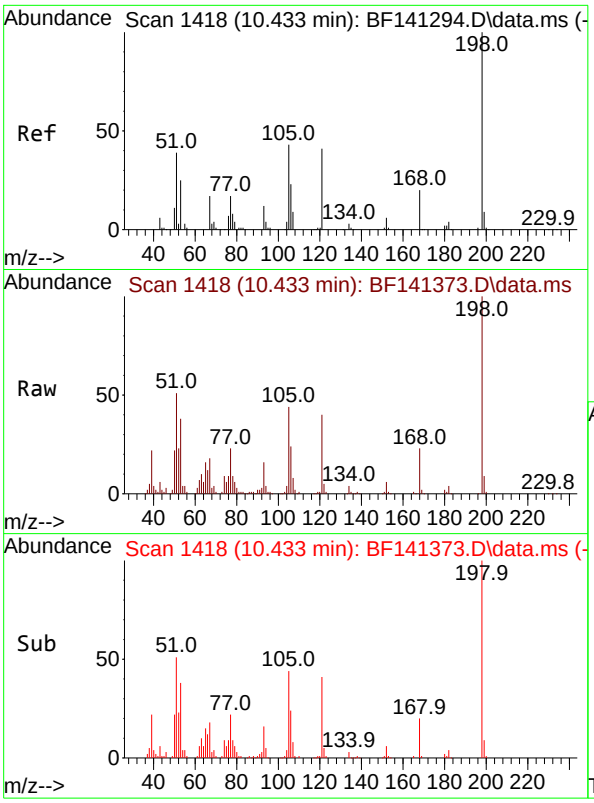


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
SSTDCCC040

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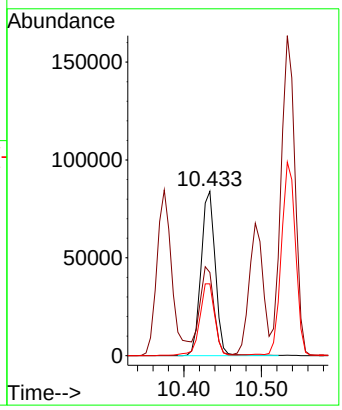
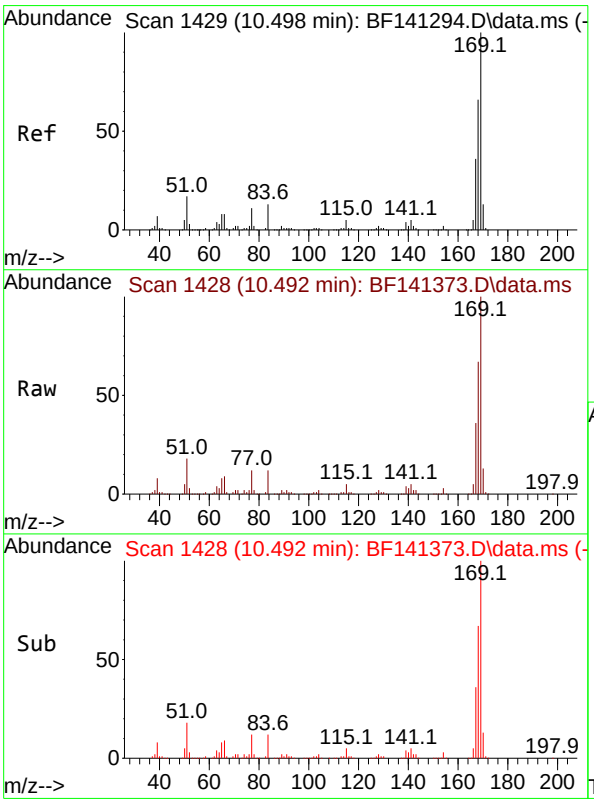
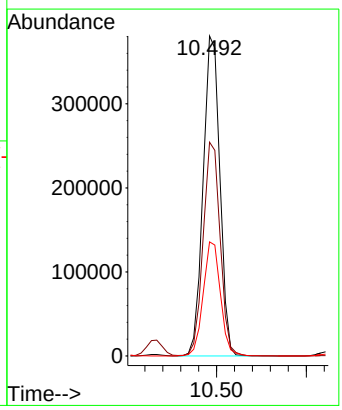


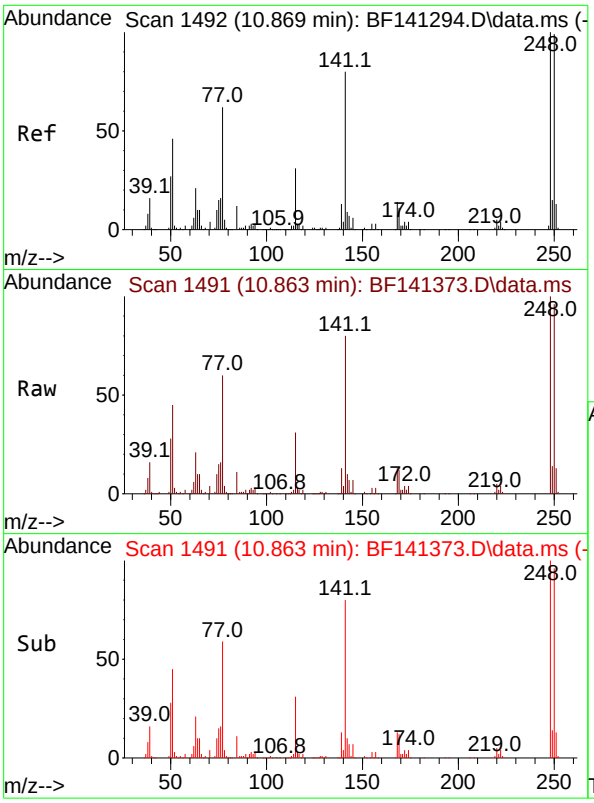


#66
n-Nitrosodiphenylamine
Concen: 39.703 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

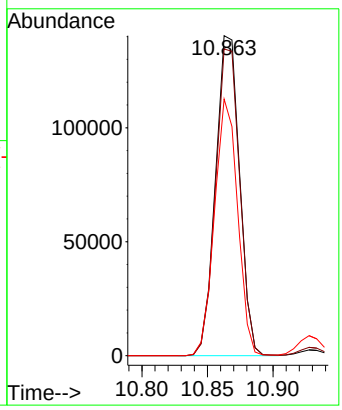




#67
4-Bromophenyl-phenylether
Concen: 41.761 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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 :
BNA_F
ClientSampleId :
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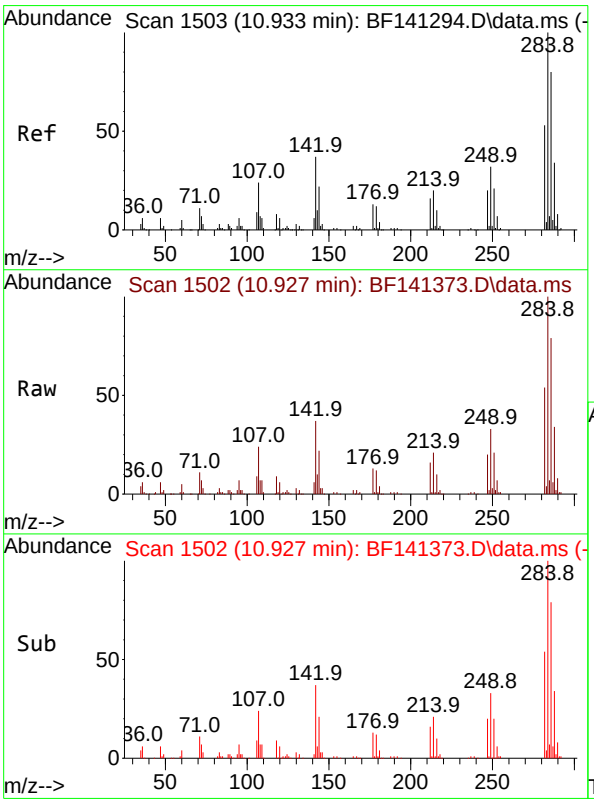
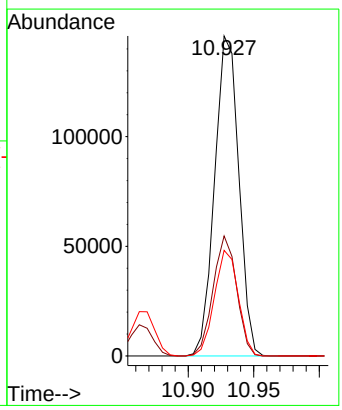
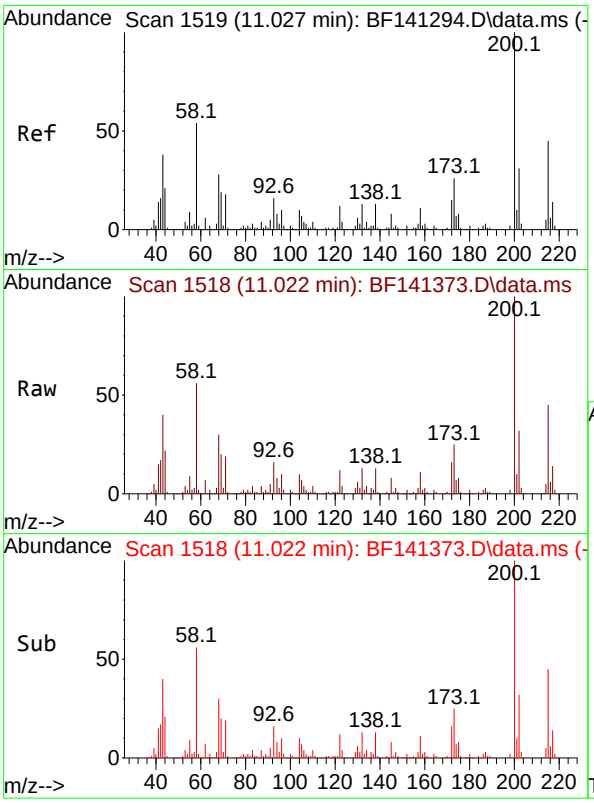


#68
Hexachlorobenzene
Concen: 41.015 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

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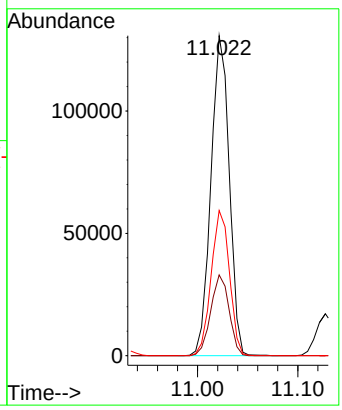
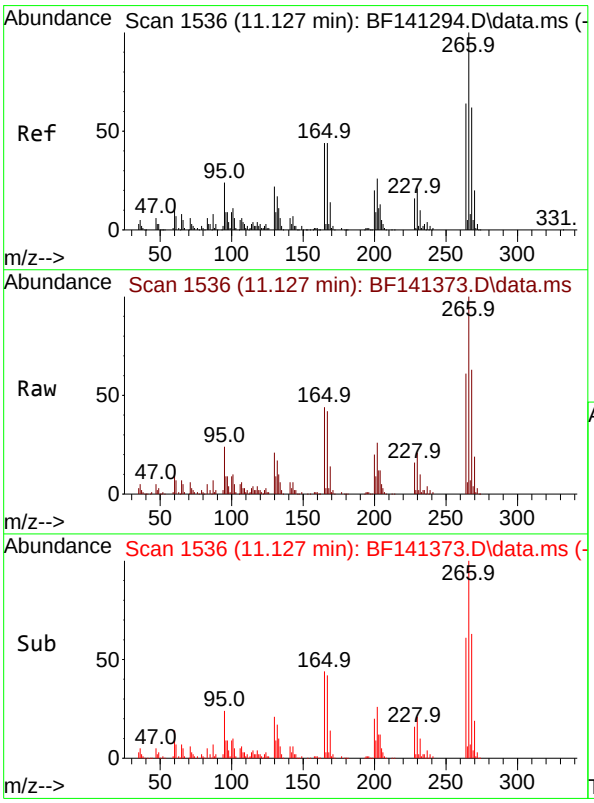
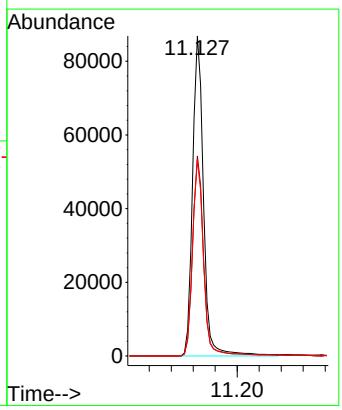


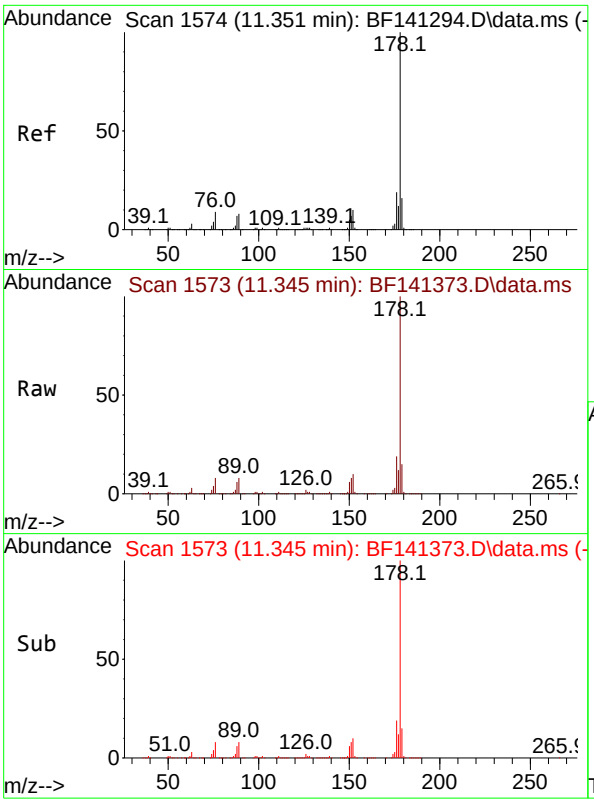


#70
Pentachlorophenol
Concen: 45.068 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

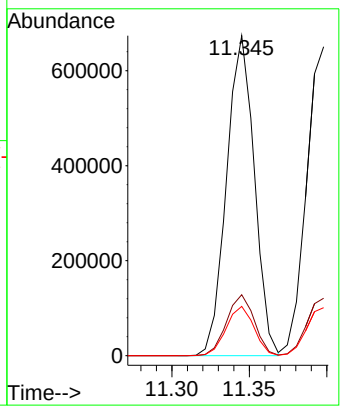




#71
Phenanthrene
Concen: 40.745 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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



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ClientSampleId :
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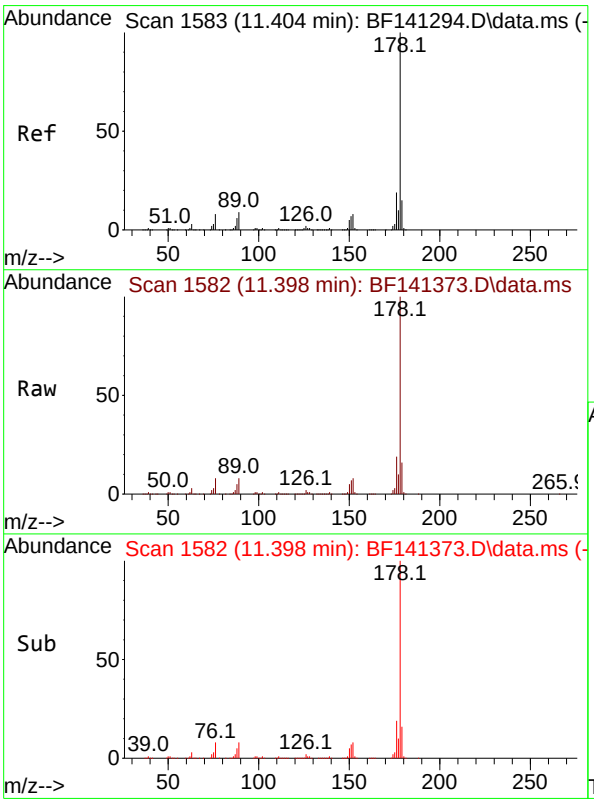
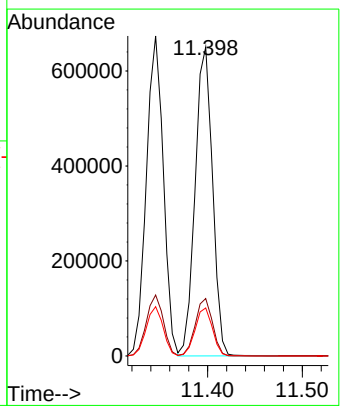
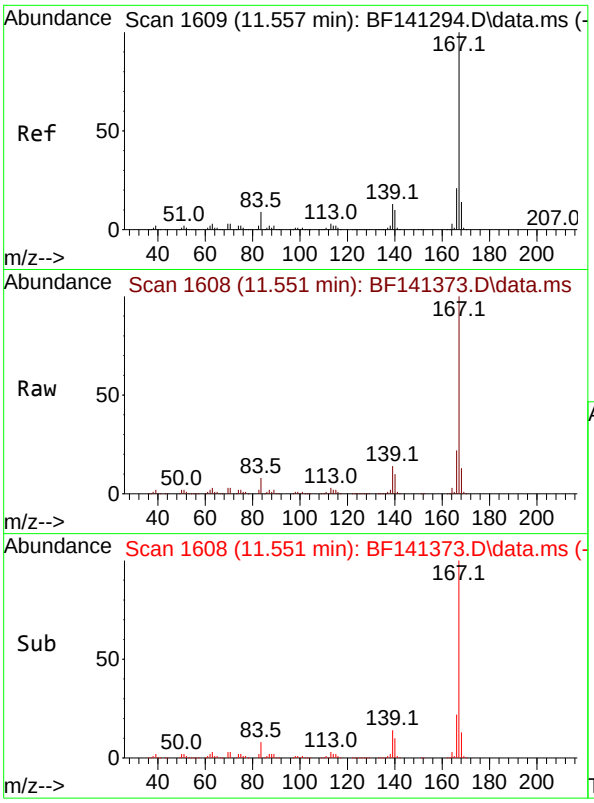


#72
Anthracene
Concen: 41.070 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

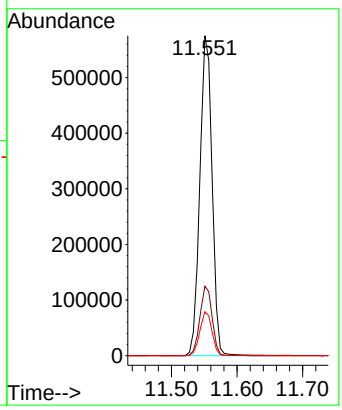




#73
Carbazole
Concen: 41.848 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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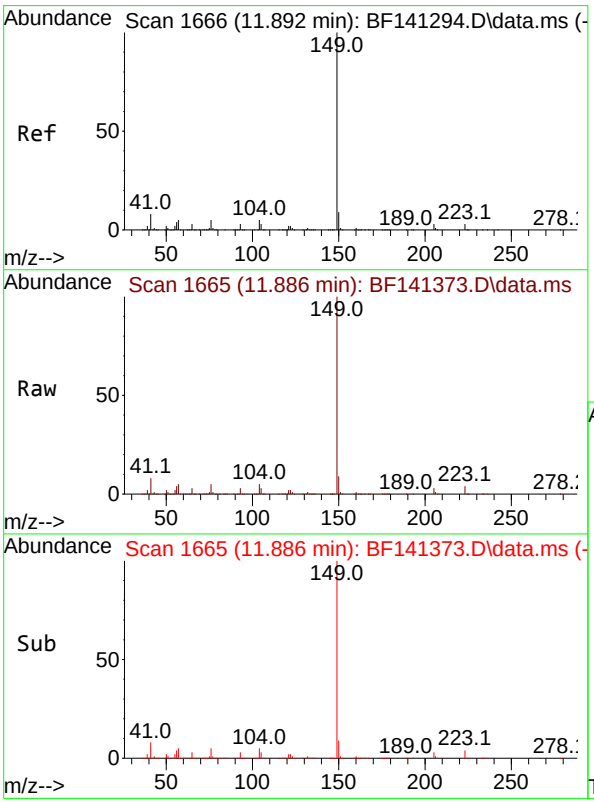
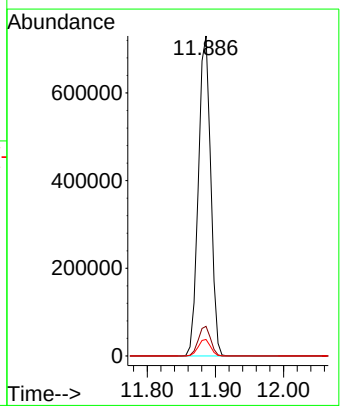
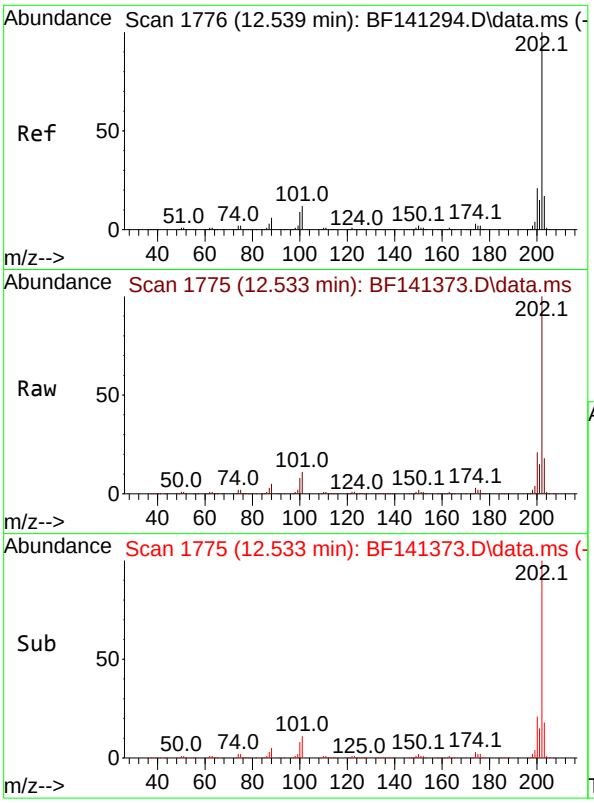


#74
Di-n-butylphthalate
Concen: 42.285 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

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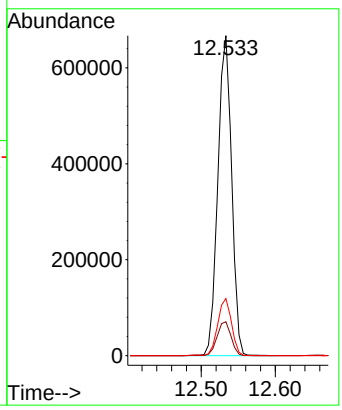
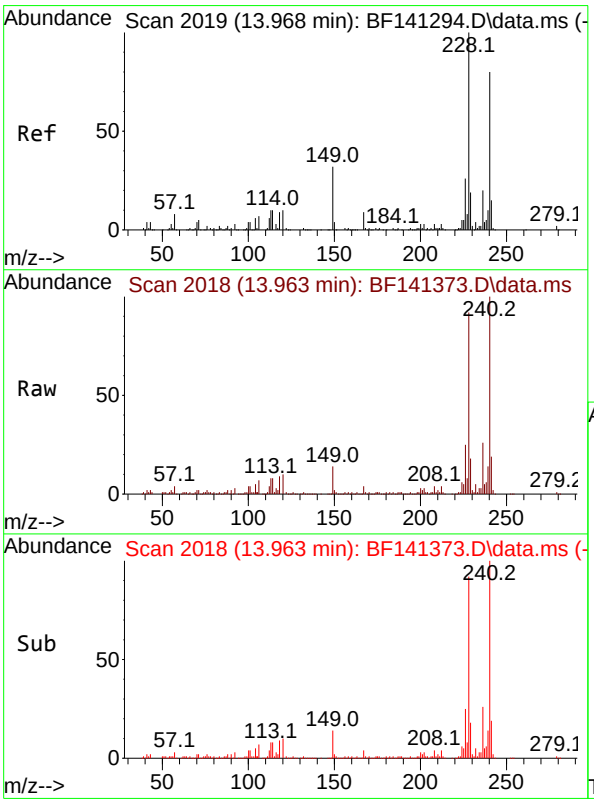
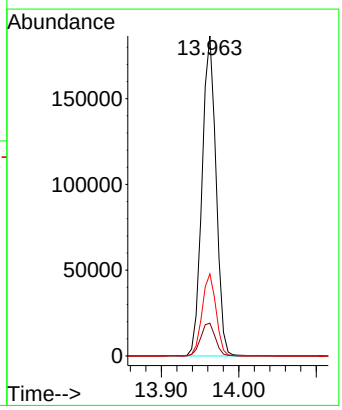


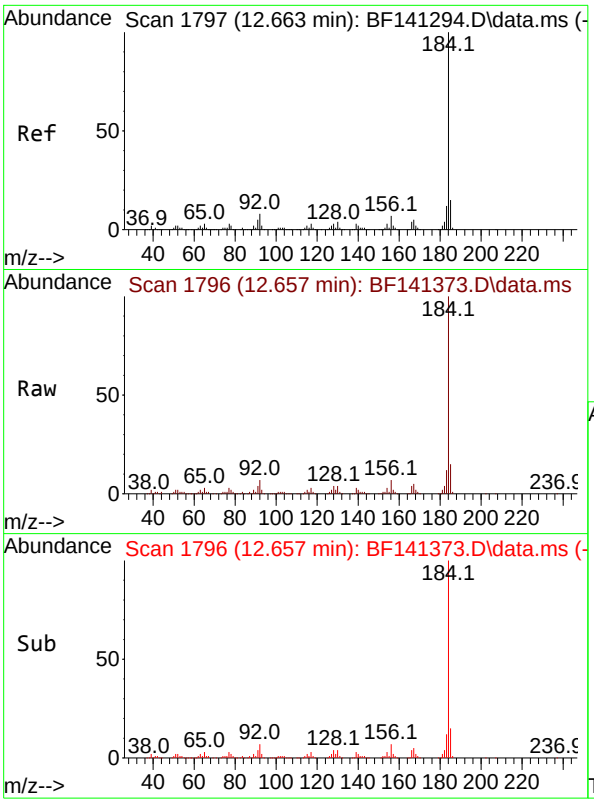


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

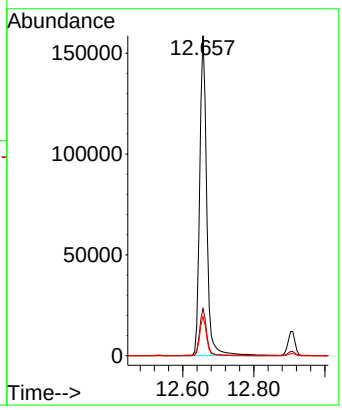




#77
Benzidine
Concen: 29.208 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Manual Integrations
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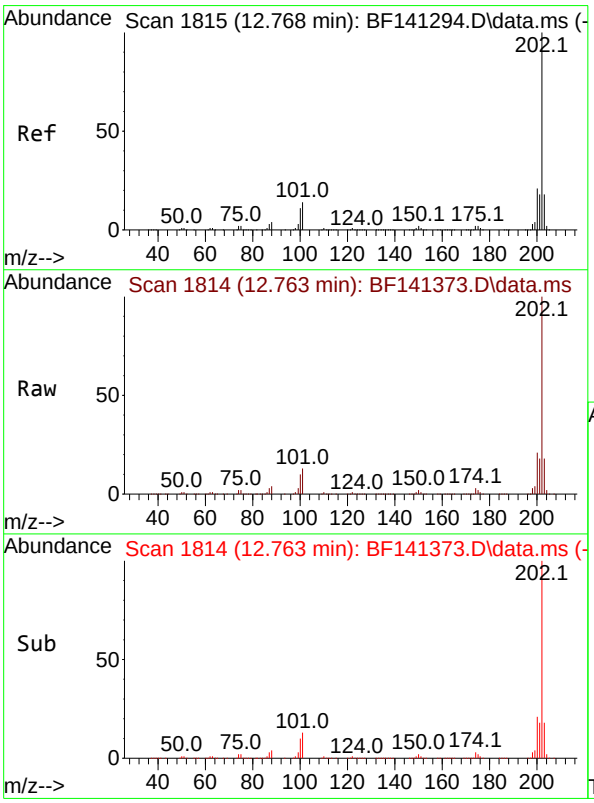
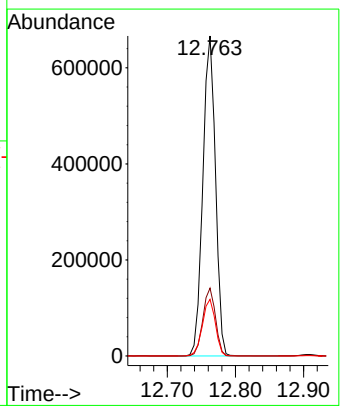
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

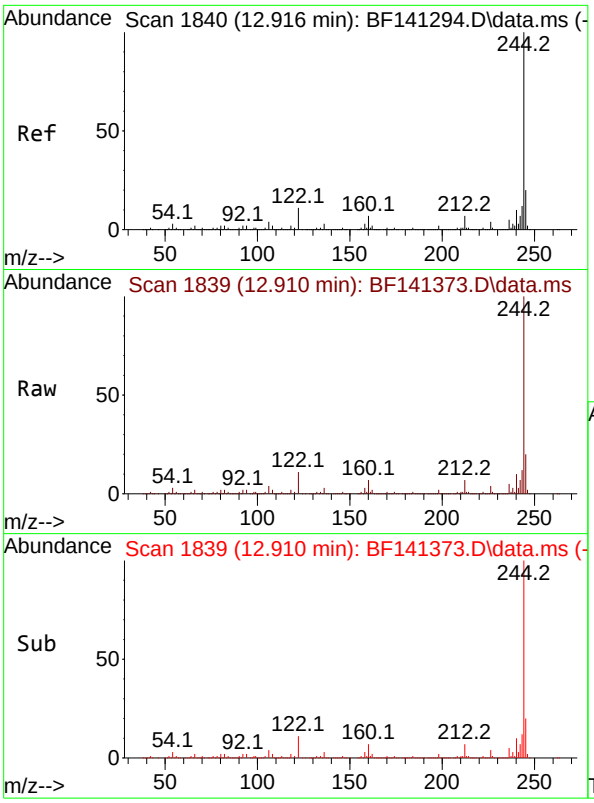


#78
Pyrene
Concen: 38.305 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

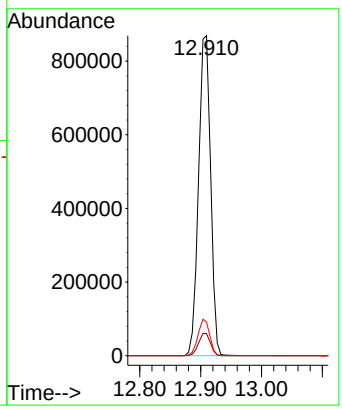




#79
Terphenyl-d14
Concen: 78.604 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:244 Resp: 119222

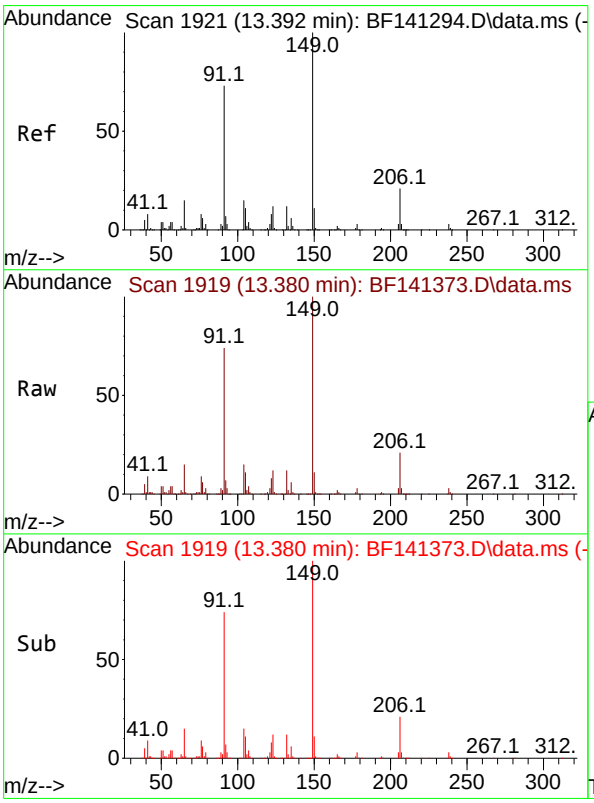
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

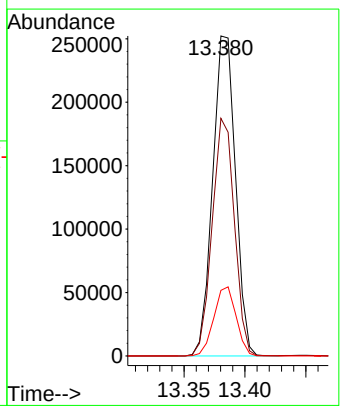
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

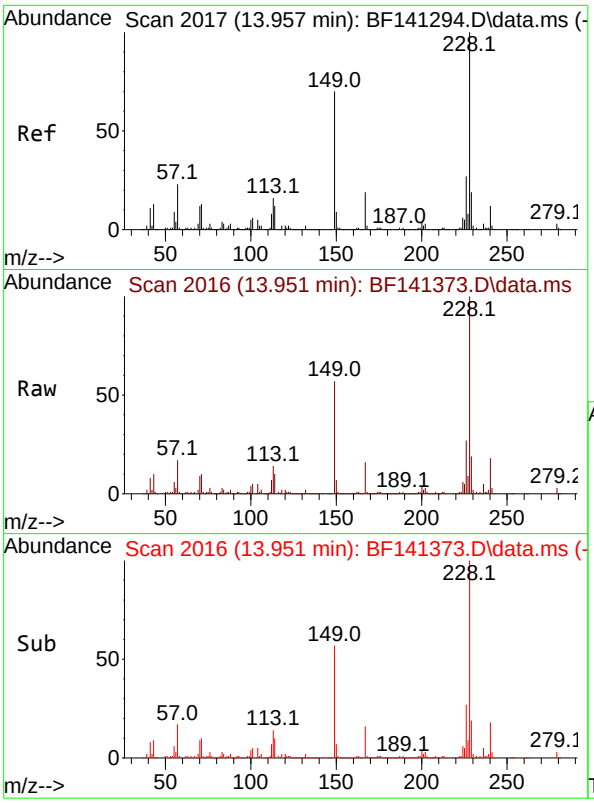


#80
Butylbenzylphthalate
Concen: 41.929 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Manual Integrations
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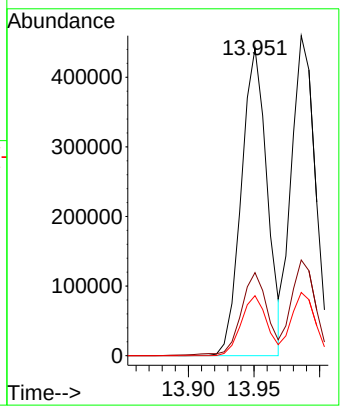
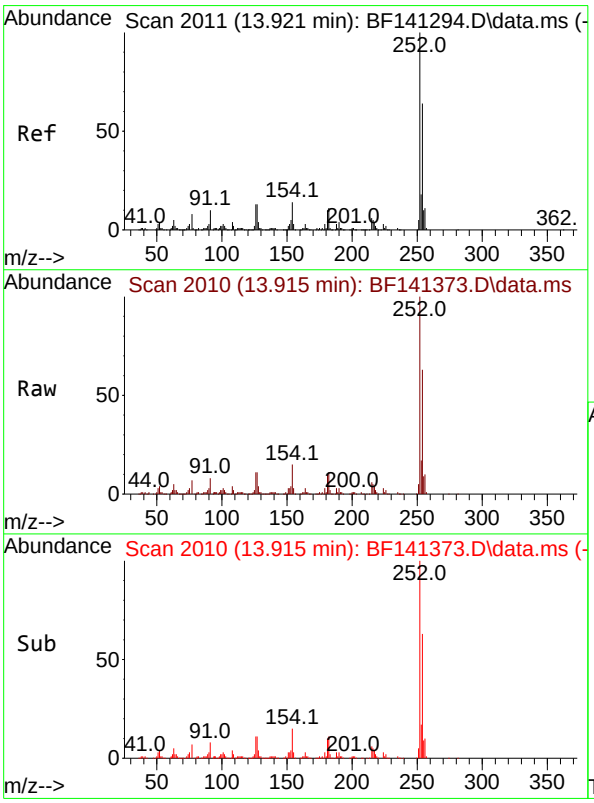
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

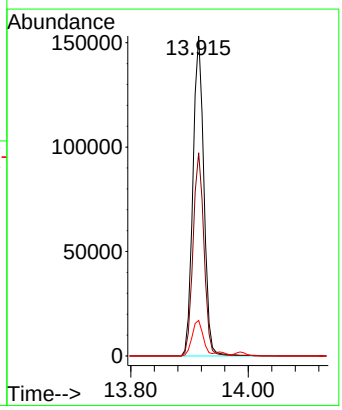


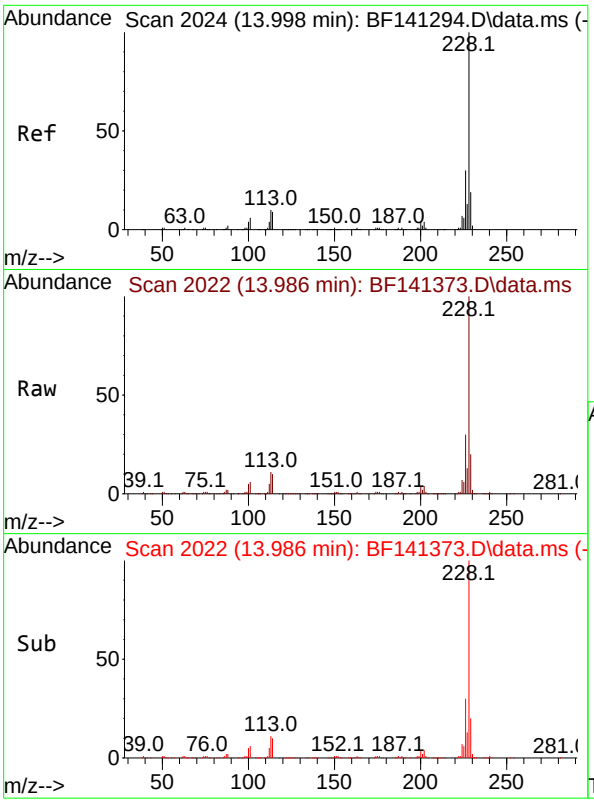


#82
3,3'-Dichlorobenzidine
Concen: 38.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Manual Integrations
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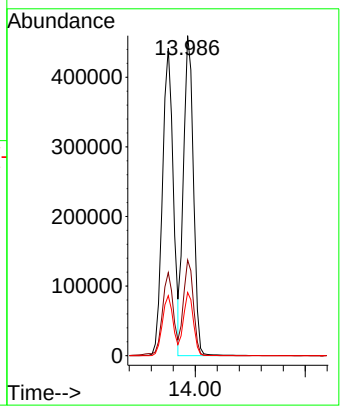
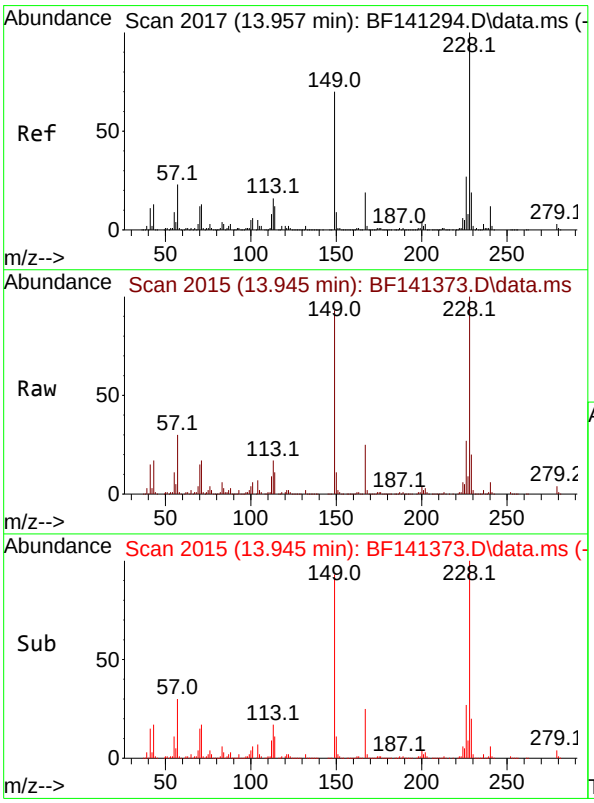
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

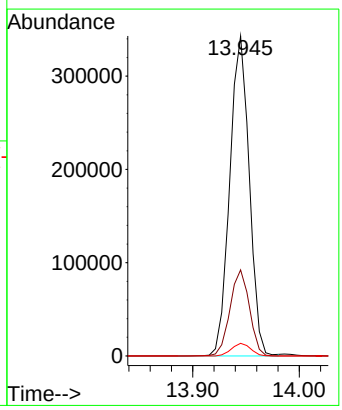


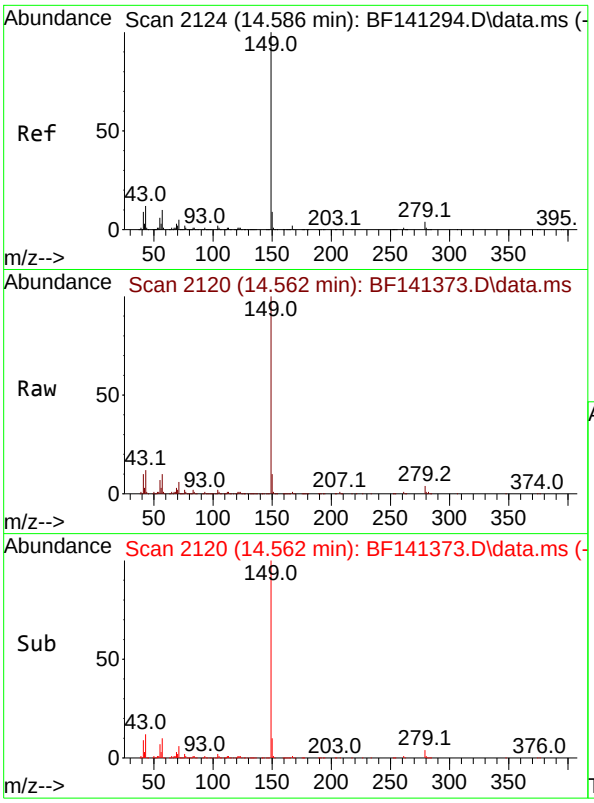


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.840 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

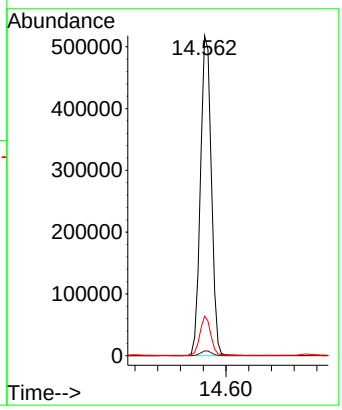




#85
Di-n-octyl phthalate
Concen: 44.601 ng
RT: 14.562 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Manual Integrations
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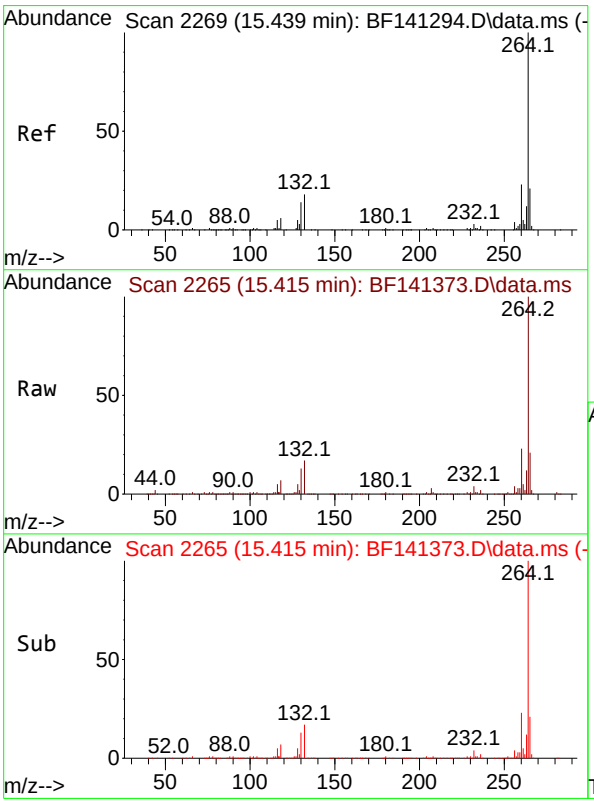
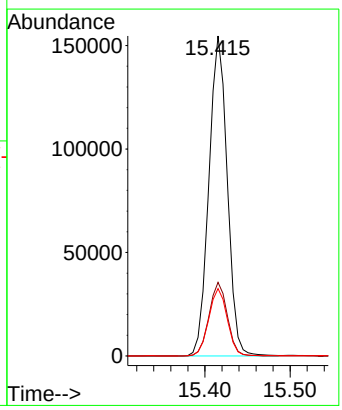
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

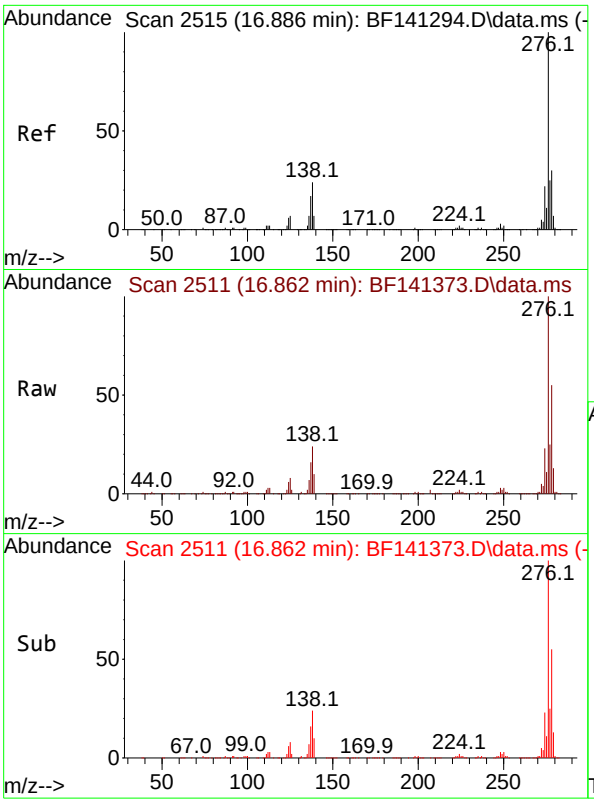


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

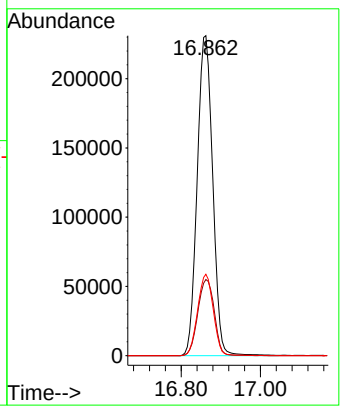




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.938 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:276 Resp: 62682

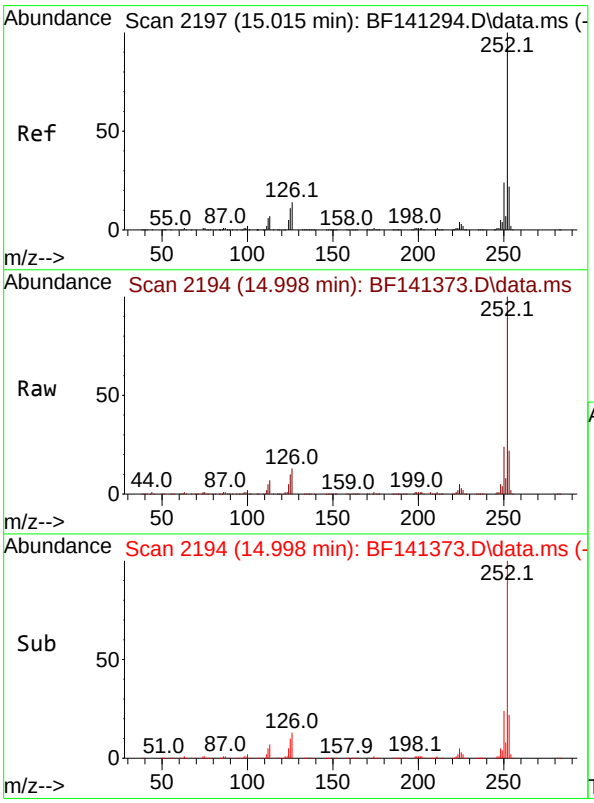
Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.7	32.5
277	25.7	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

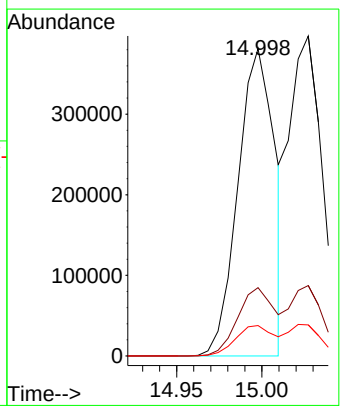
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

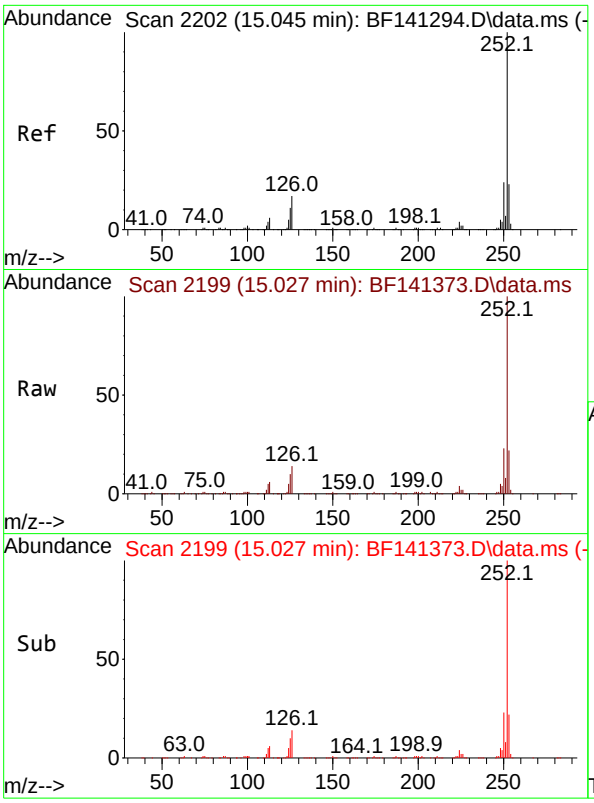


#88
Benzo(b)fluoranthene
Concen: 39.222 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

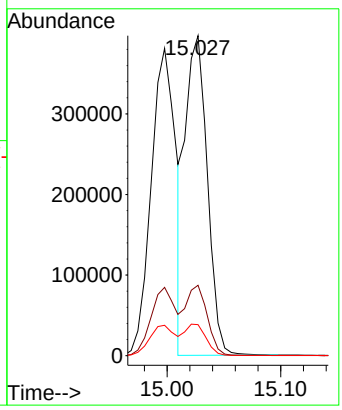




#89
Benzo(k)fluoranthene
Concen: 41.439 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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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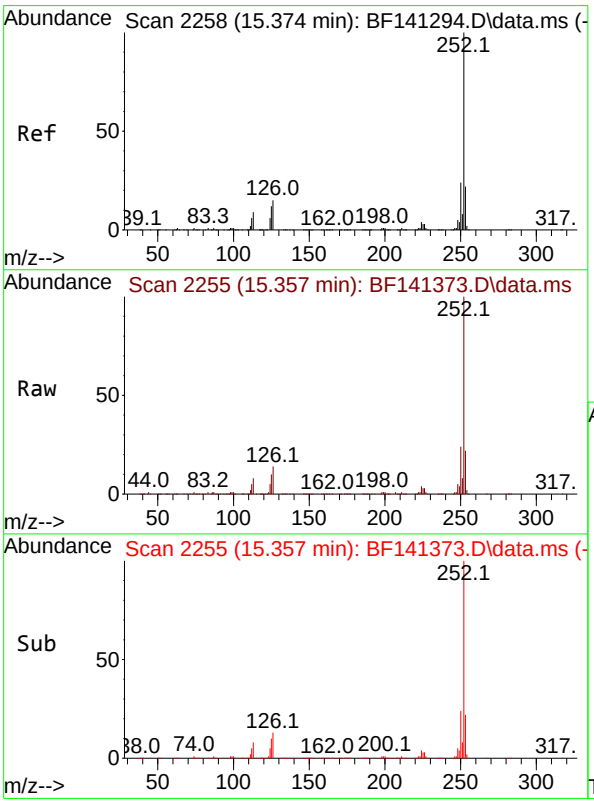
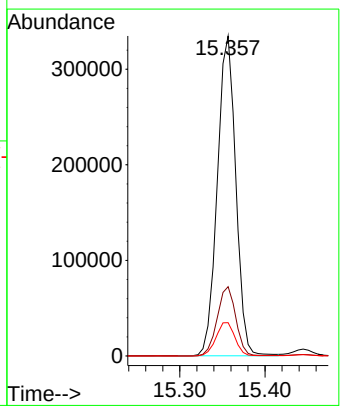
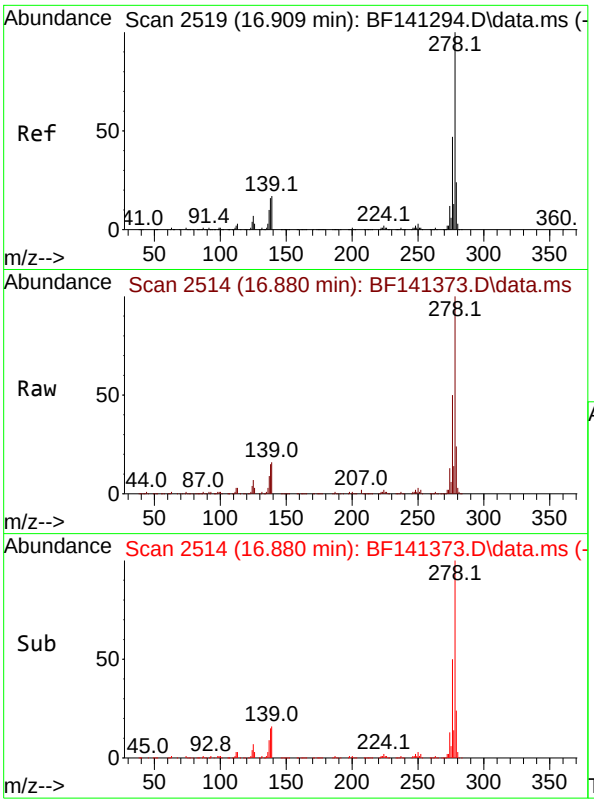


#90
Benzo(a)pyrene
Concen: 40.922 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

Manual Integrations
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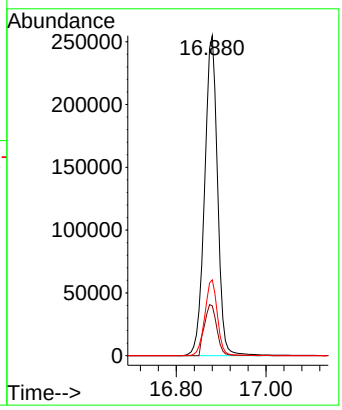
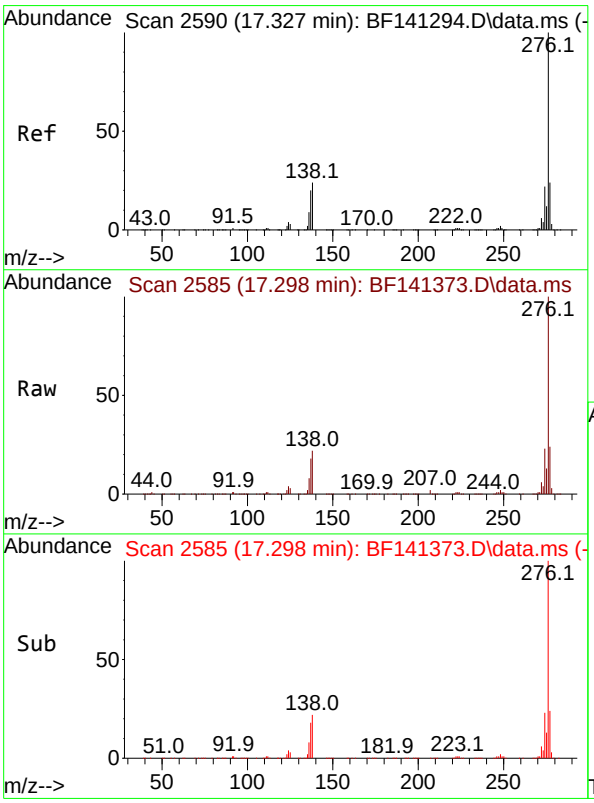
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

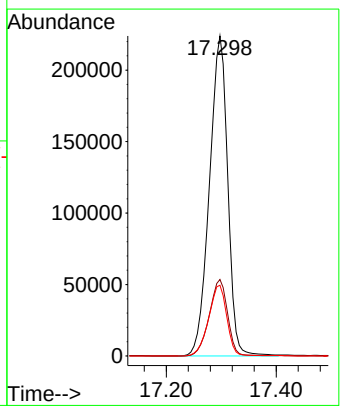




#92
Benzo(g,h,i)perylene
Concen: 41.452 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

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



Sample Results: **BF141373.D**

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)
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

Sample Results: **BF141373.D**

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

Sample Results: **BF141373.D**

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

Sample Results: **BF141373.D**

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)
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

Sample Results: **BF141373.D**

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

Sample Results: **BF141373.D**

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

Raw Data: **BF141447.D**

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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	

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

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.

Sample Results: **BF141447.D**

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

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)
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

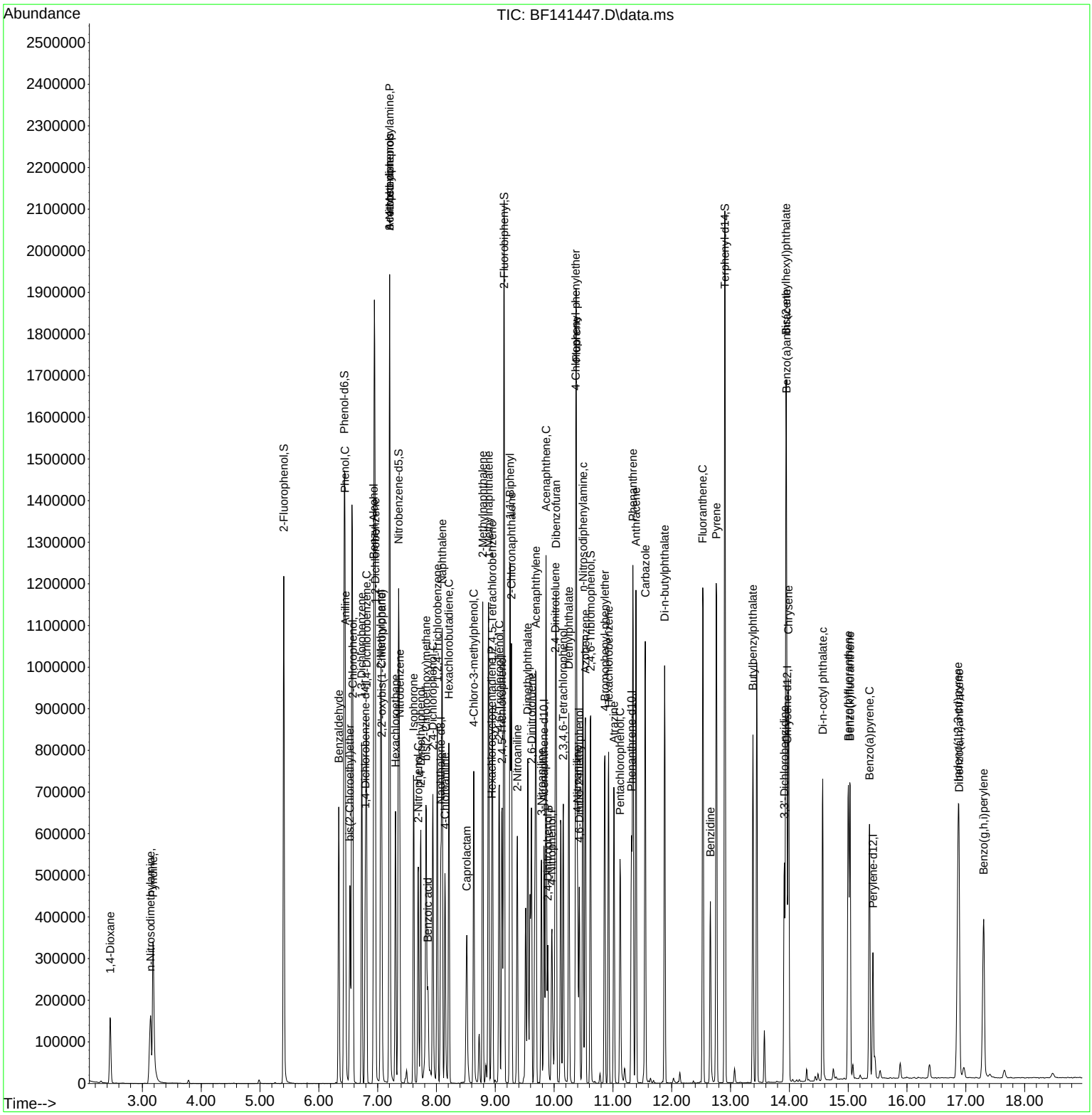
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

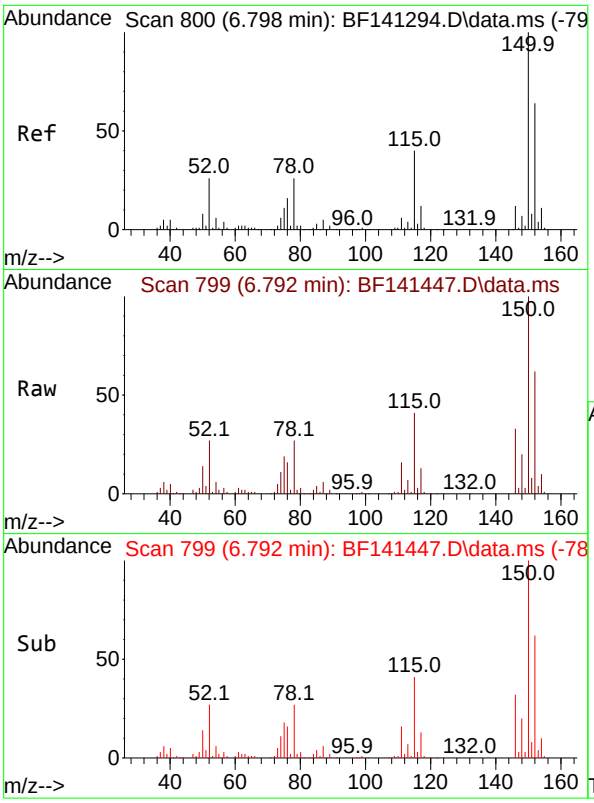
Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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

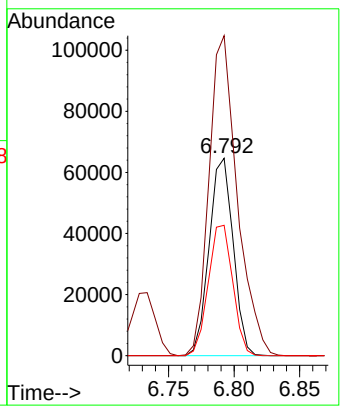




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:152 Resp: 8241

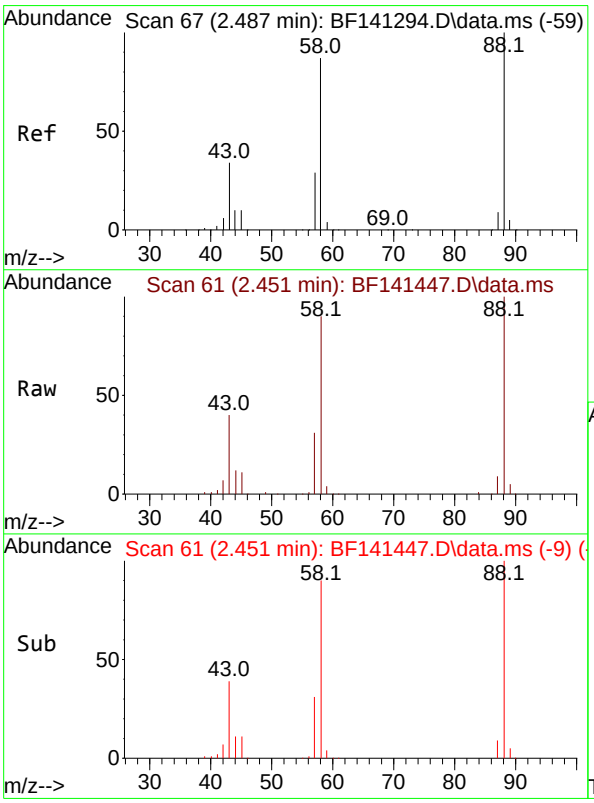
Ion	Ratio	Lower	Upper
152	100		
150	162.1	125.9	188.9
115	66.1	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

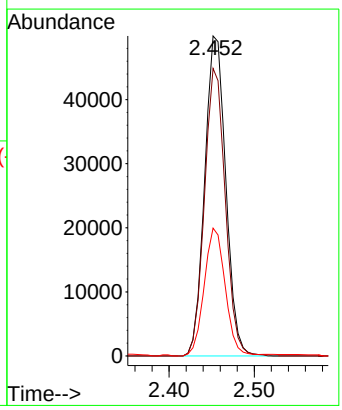
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

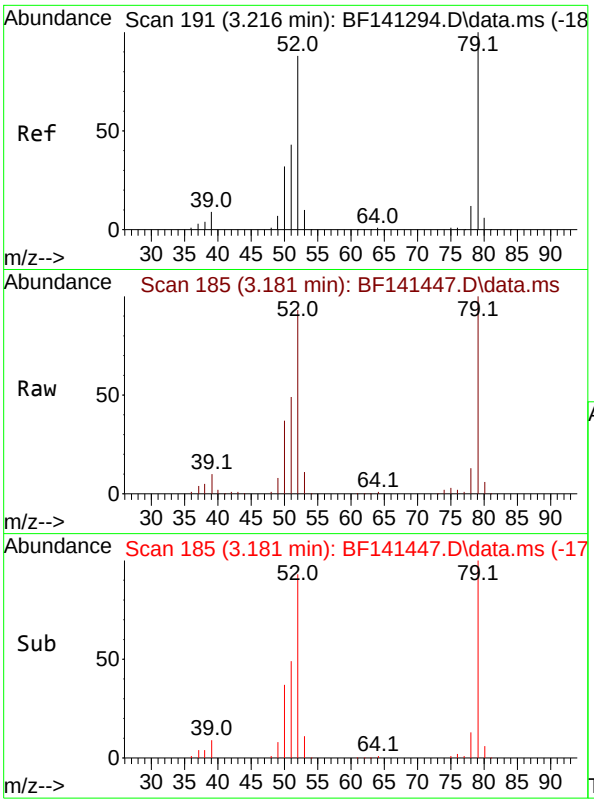


#2
1,4-Dioxane
Concen: 36.458 ng
RT: 2.451 min Scan# 61
Delta R.T. -0.041 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

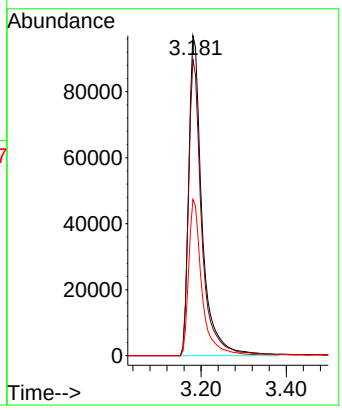




#3
Pyridine
Concen: 37.303 ng
RT: 3.181 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 79 Resp: 21220

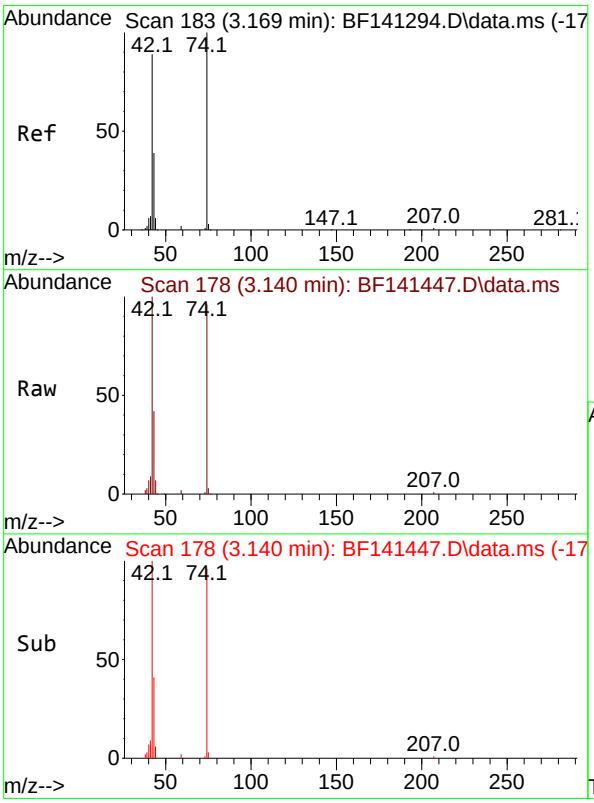
Ion	Ratio	Lower	Upper
79	100		
52	92.6	70.3	105.5
51	48.8	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

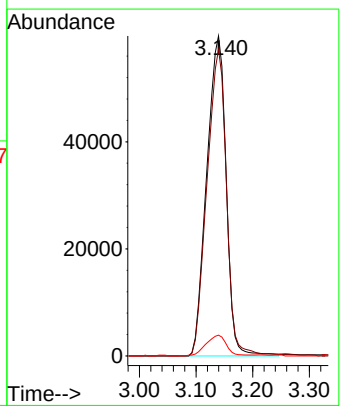
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

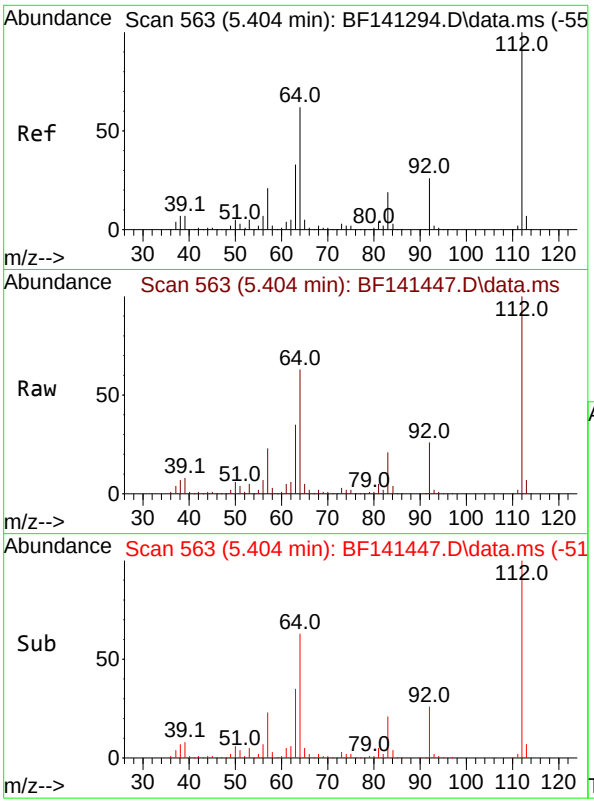


#4
n-Nitrosodimethylamine
Concen: 43.755 ng m
RT: 3.140 min Scan# 178
Delta R.T. -0.059 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

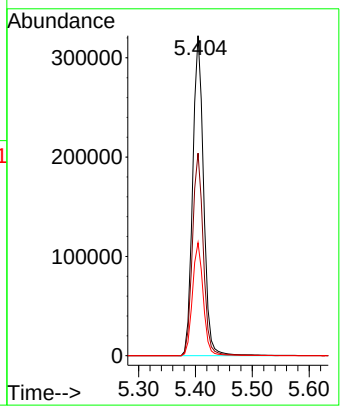
Tgt Ion:112 Resp: 43153

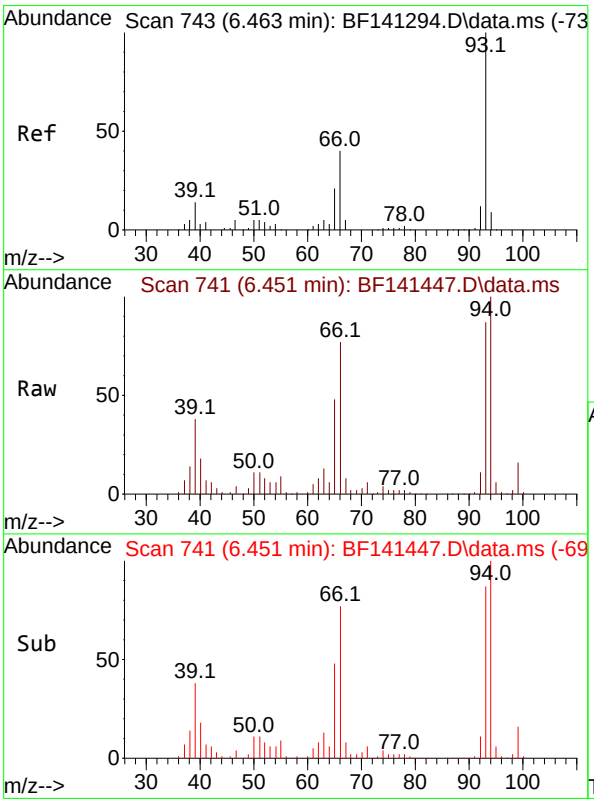
Ion	Ratio	Lower	Upper
112	100		
64	63.3	49.8	74.8
63	35.3	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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

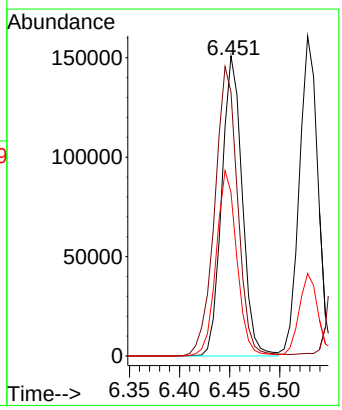


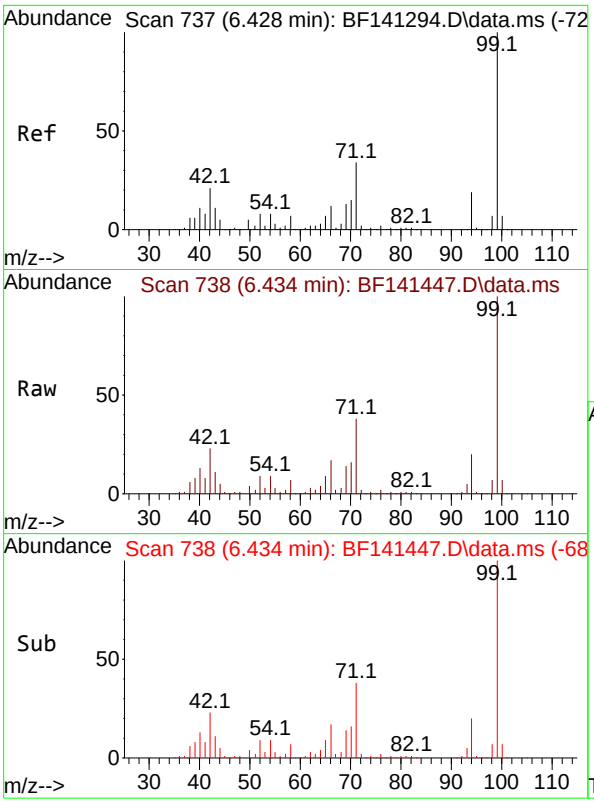


#6
Aniline
Concen: 36.942 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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#

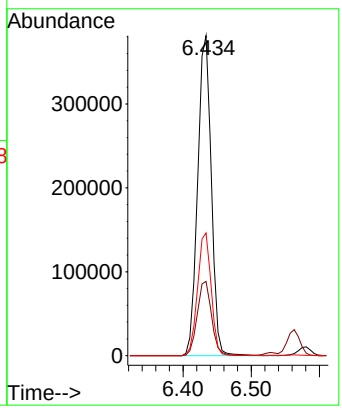




#7
Phenol-d6
Concen: 77.175 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 99 Resp: 52706

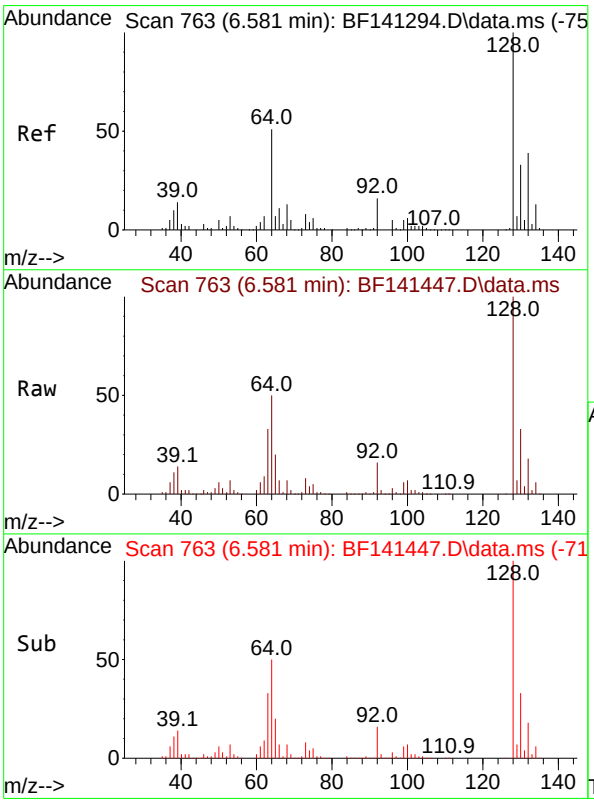
Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.1	25.7
71	38.3	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

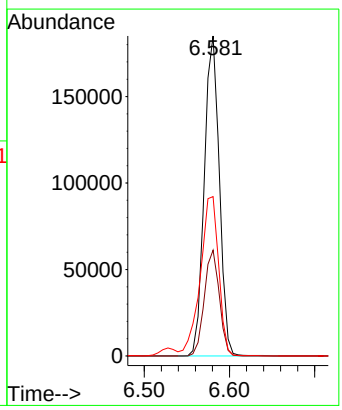
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

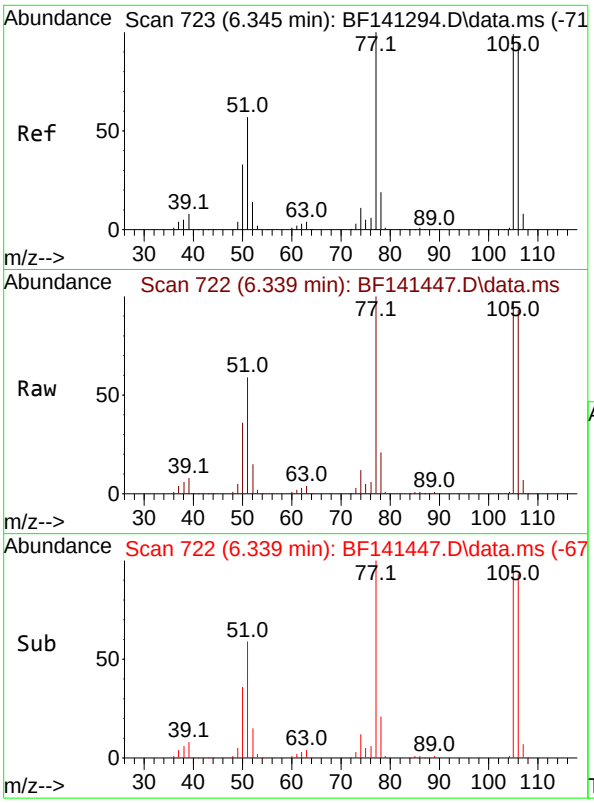


#8
2-Chlorophenol
Concen: 39.384 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

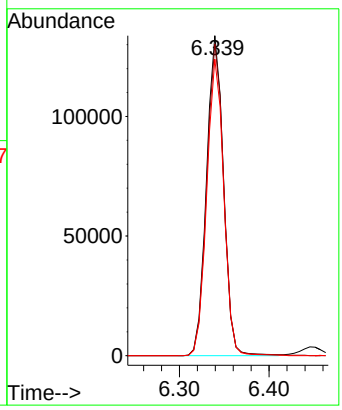




#9
Benzaldehyde
Concen: 44.359 ng
RT: 6.339 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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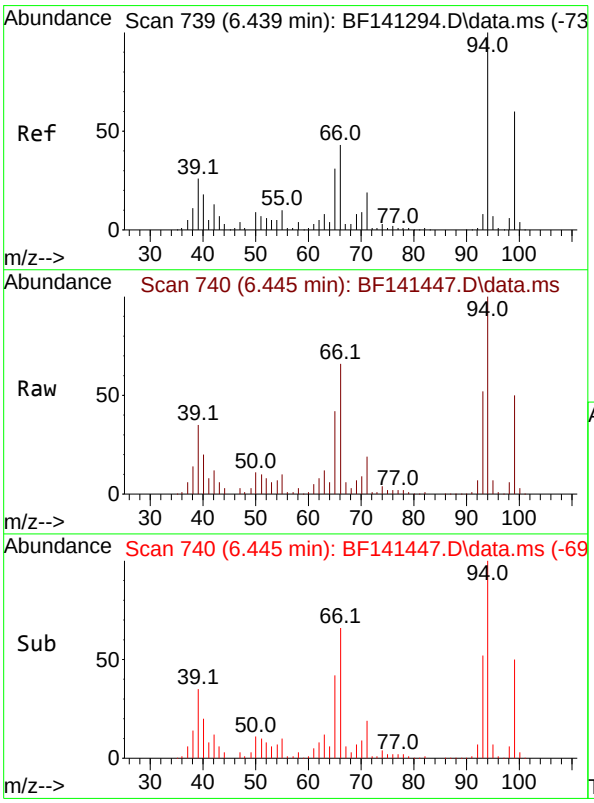
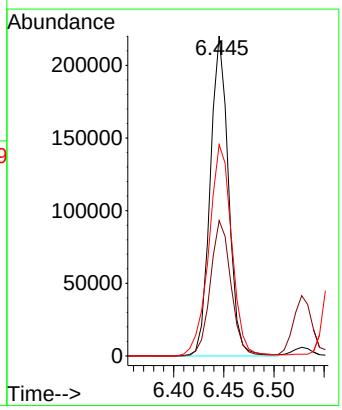
Supervised By :mohammad ahmed 02/06/2025

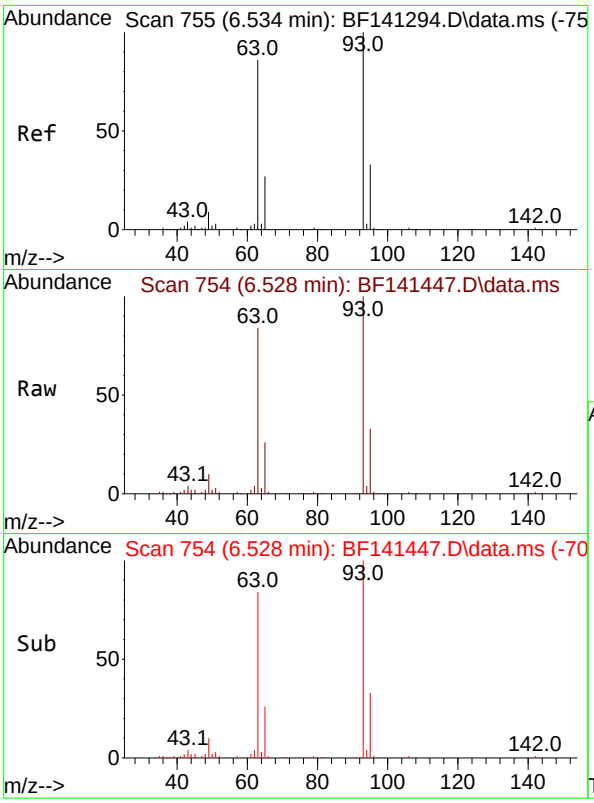


#10
Phenol
Concen: 38.522 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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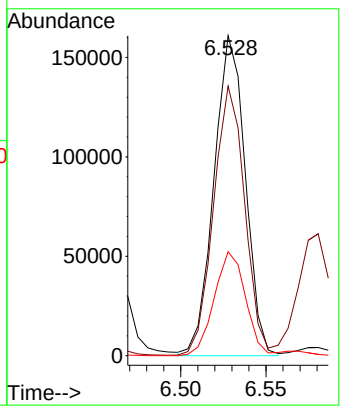
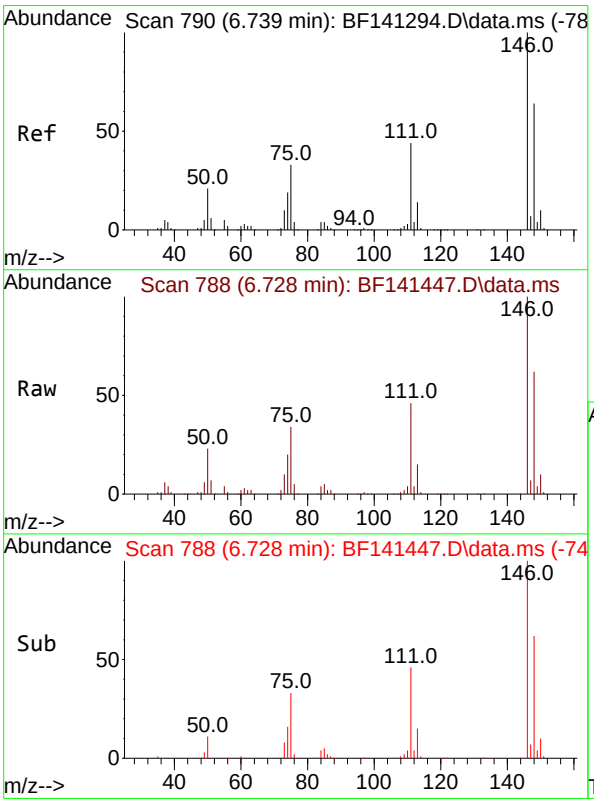
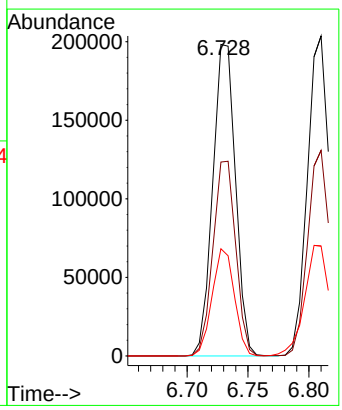


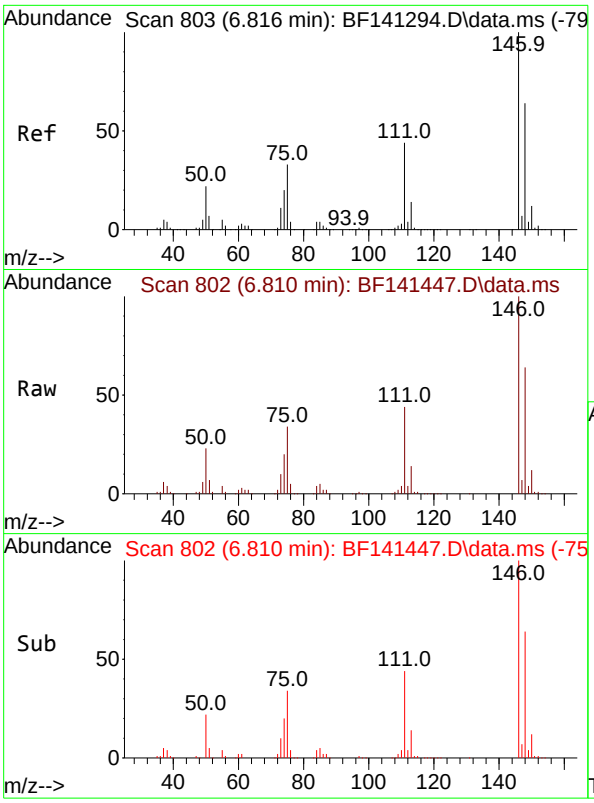


#12
1,3-Dichlorobenzene
Concen: 40.714 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

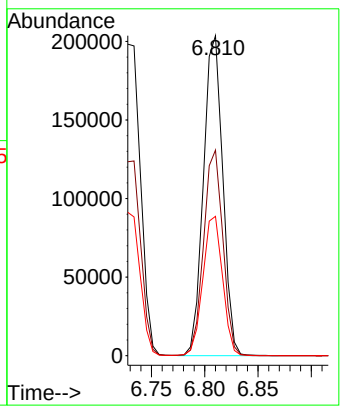




#13
1,4-Dichlorobenzene
Concen: 40.346 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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



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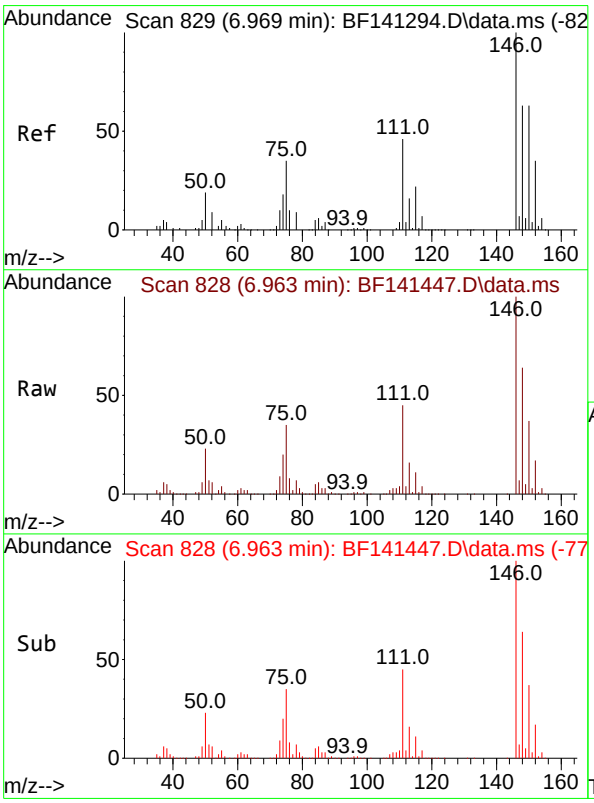
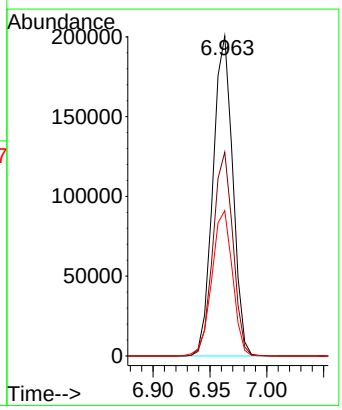
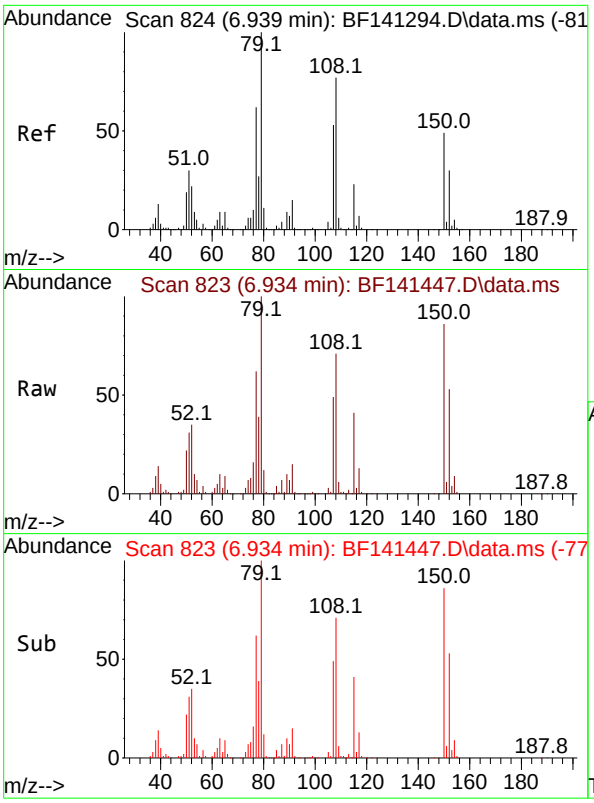


#14
1,2-Dichlorobenzene
Concen: 40.781 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
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ClientSampleId :
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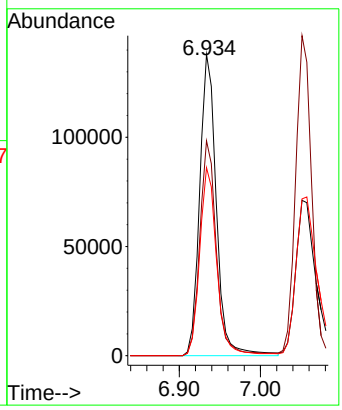
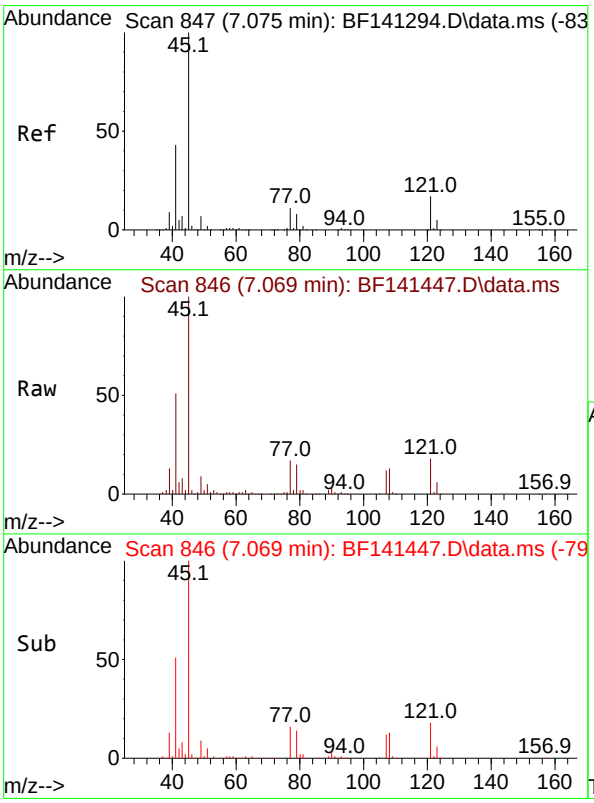
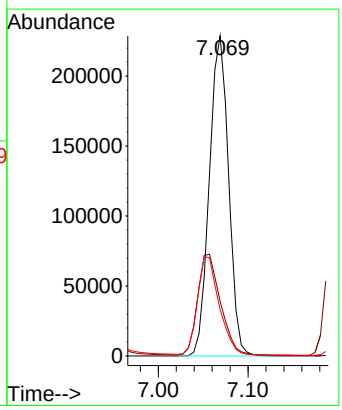


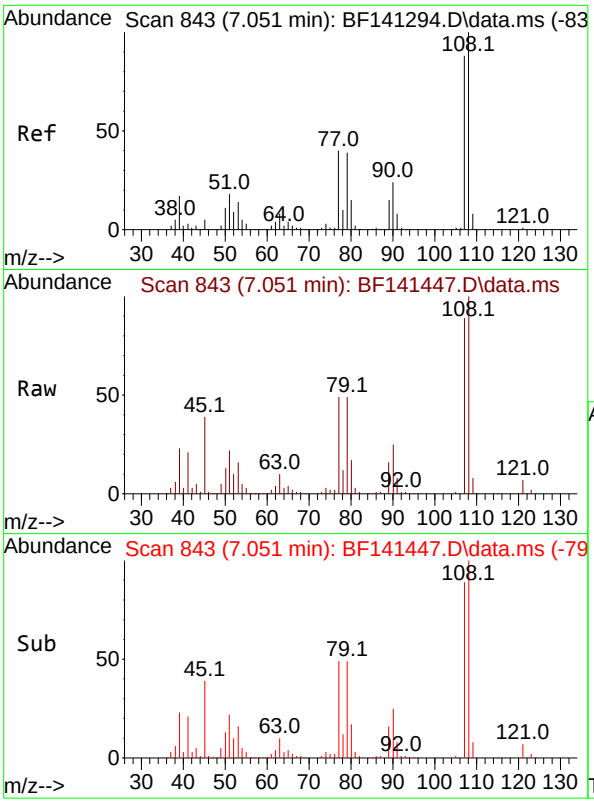


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.215 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

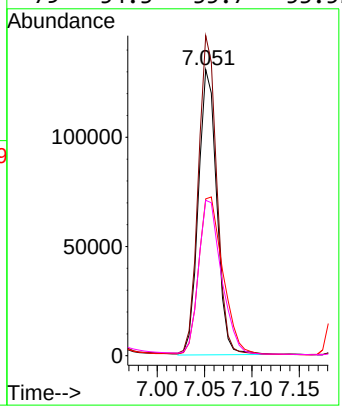




#17
2-Methylphenol
Concen: 37.700 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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#



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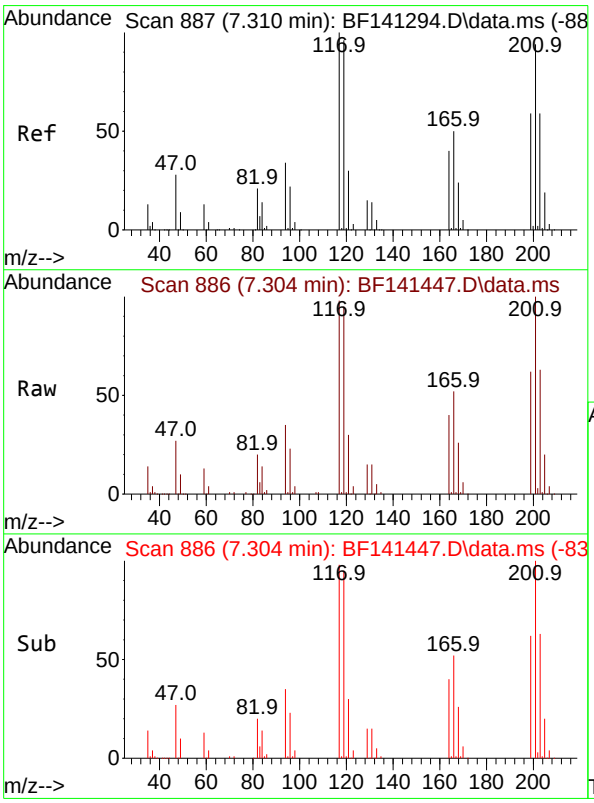
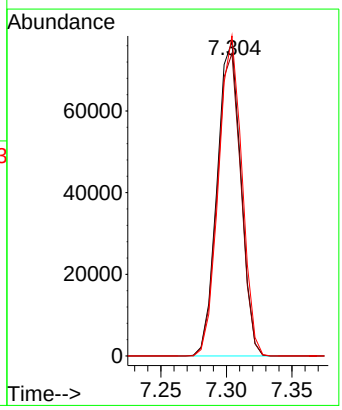
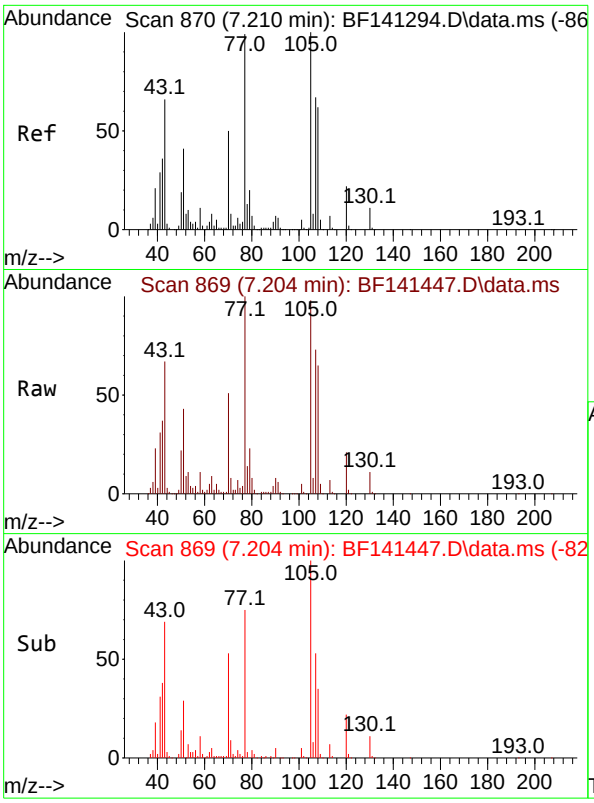


#18
Hexachloroethane
Concen: 41.142 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

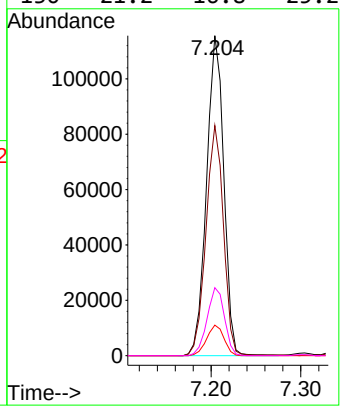




#19
n-Nitroso-di-n-propylamine
Concen: 38.029 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
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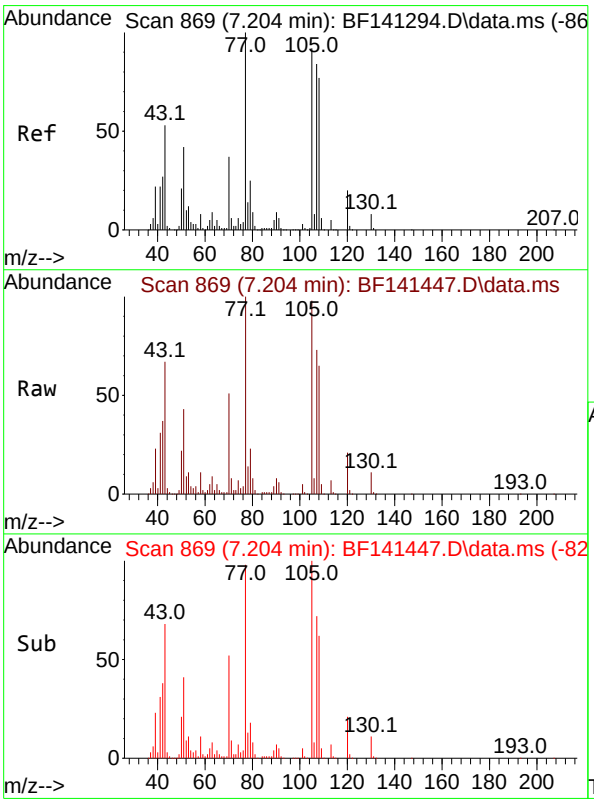
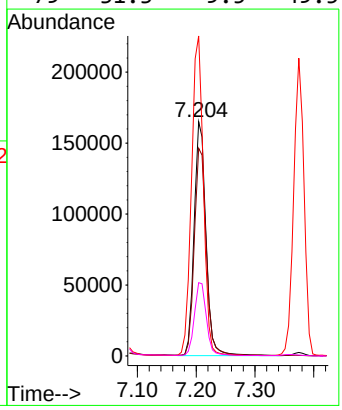
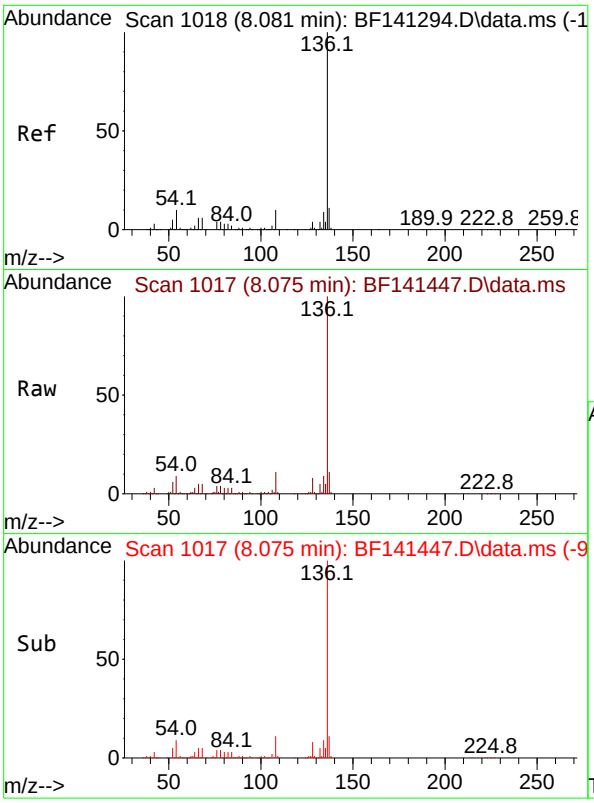


#20
3+4-Methylphenols
Concen: 39.993 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

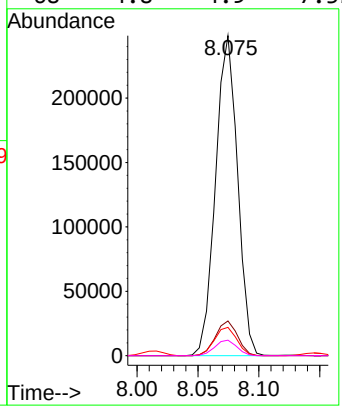




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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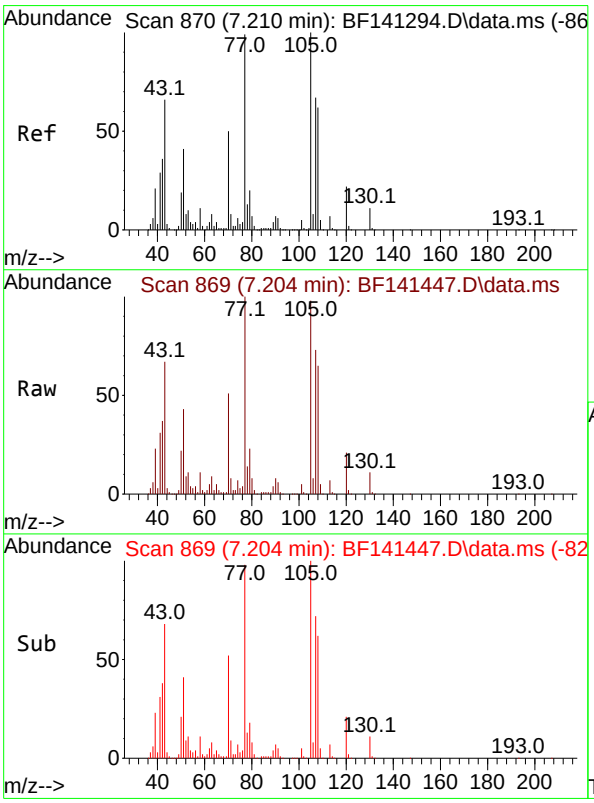
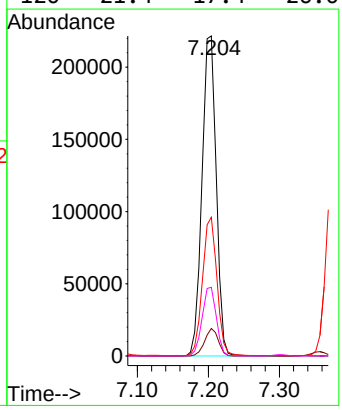
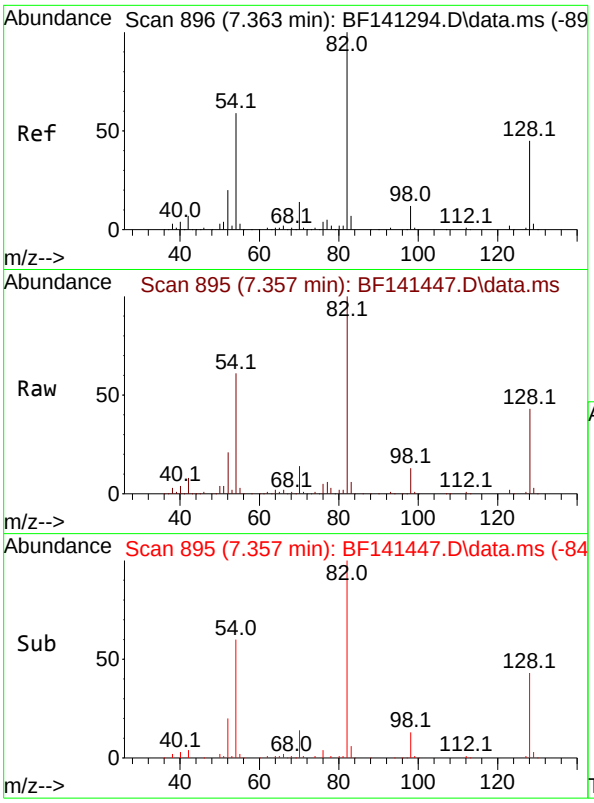


#22
Acetophenone
Concen: 41.690 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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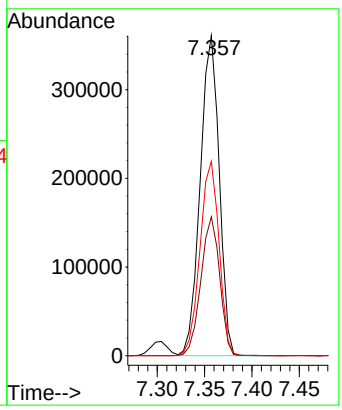
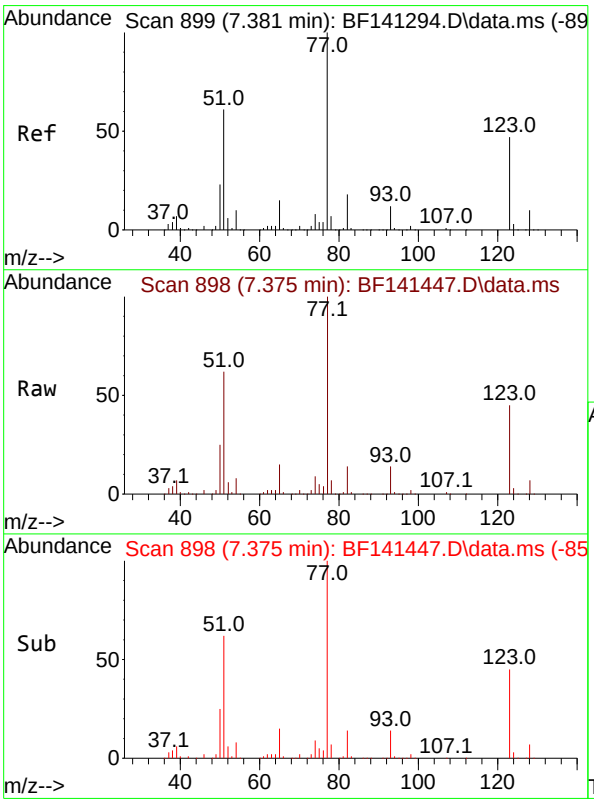
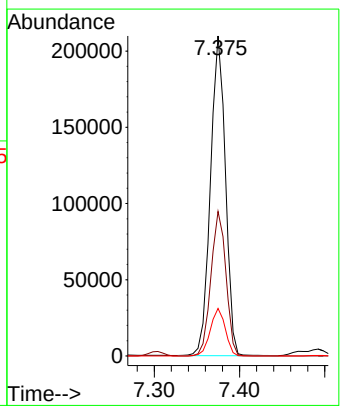


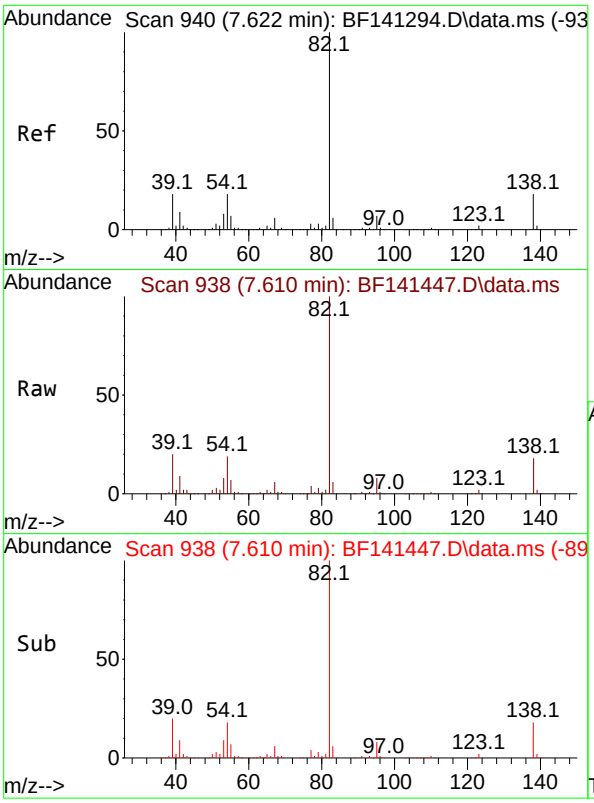


#24
Nitrobenzene
Concen: 41.742 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

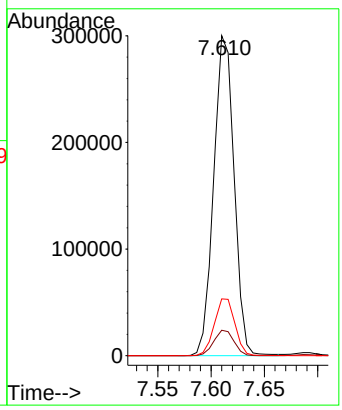




#25
Isophorone
Concen: 38.977 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
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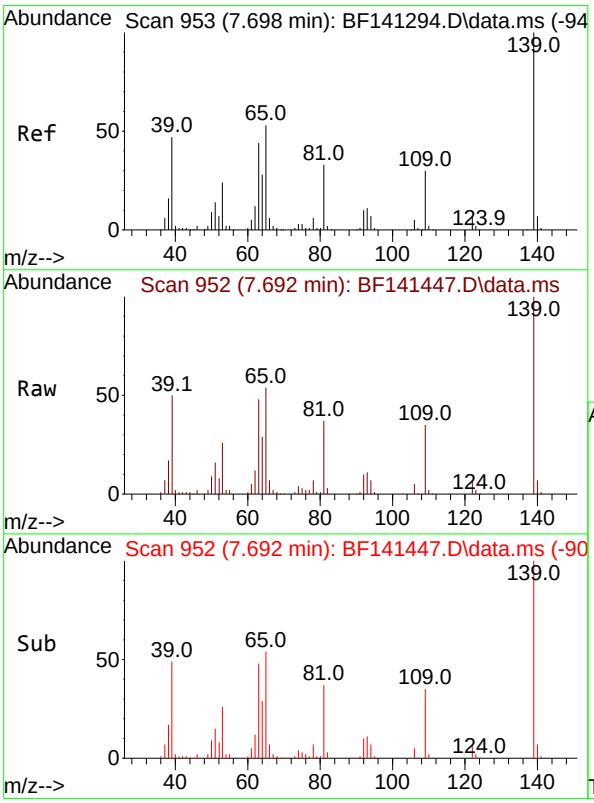
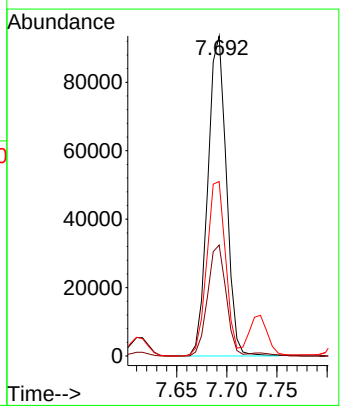
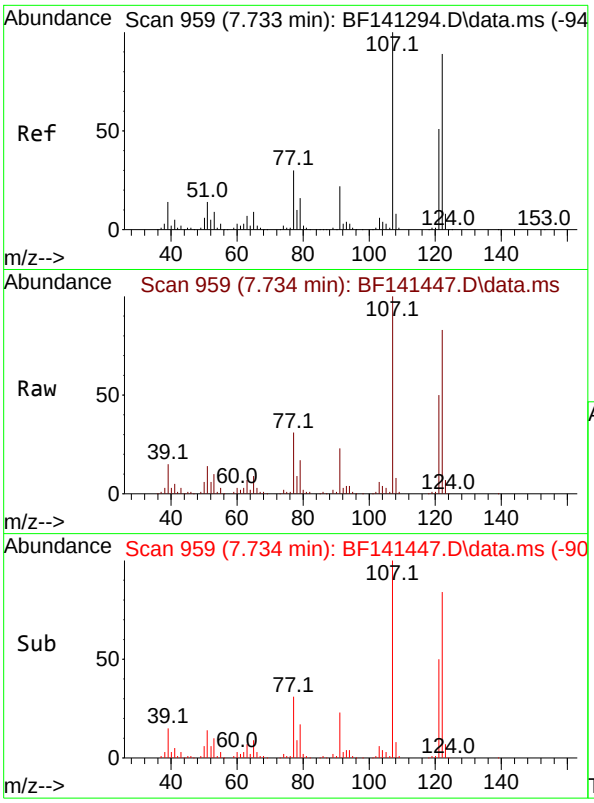


#26
2-Nitrophenol
Concen: 41.507 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

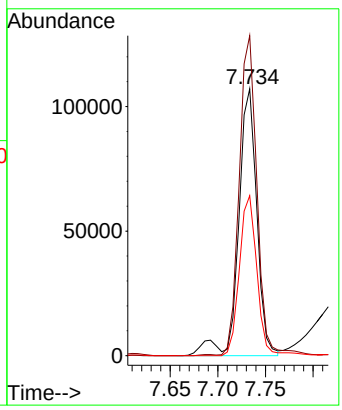




#27
2,4-Dimethylphenol
Concen: 38.815 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
BNA_F
ClientSampleId :
SSTDCCC040

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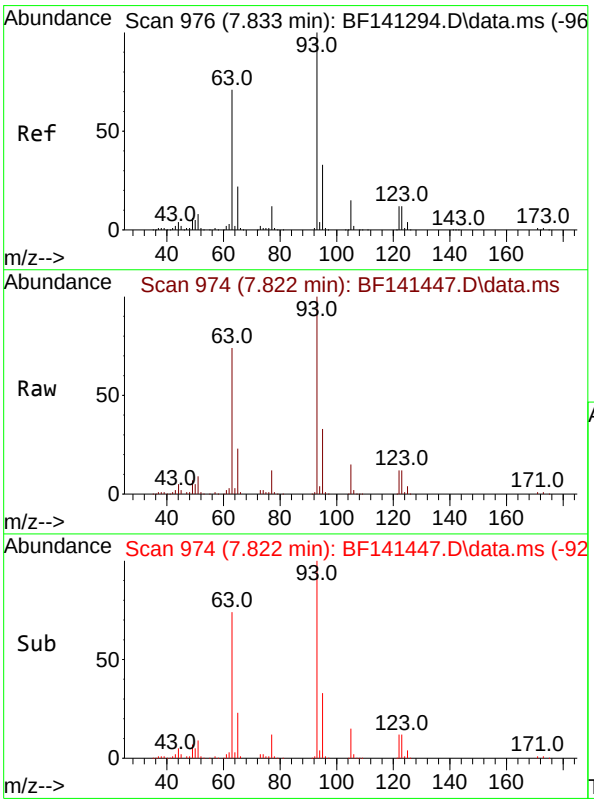
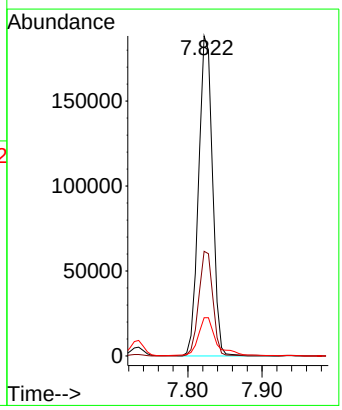
Supervised By :mohammad ahmed 02/06/2025

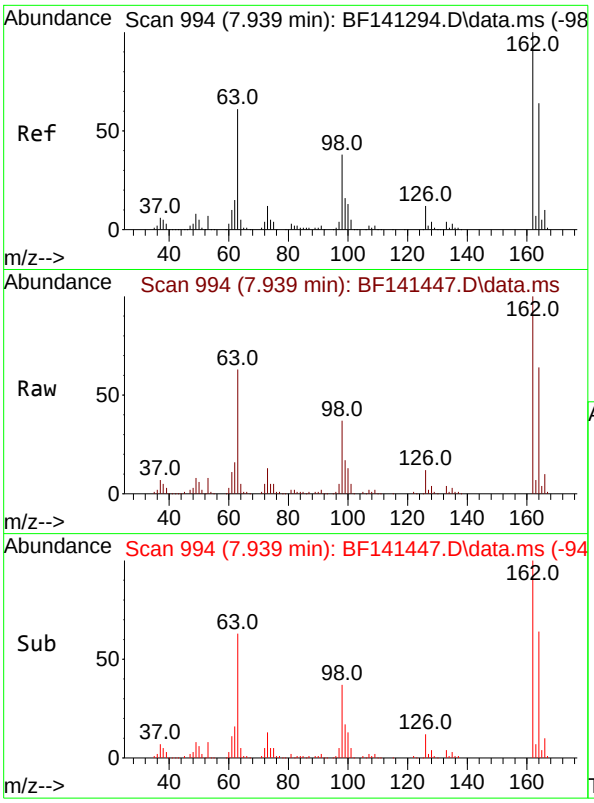


#28
bis(2-Chloroethoxy)methane
Concen: 37.637 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

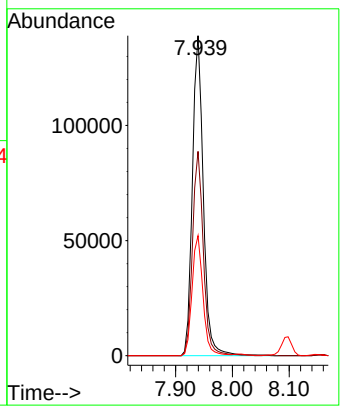




#29
2,4-Dichlorophenol
Concen: 41.356 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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ClientSampleId :
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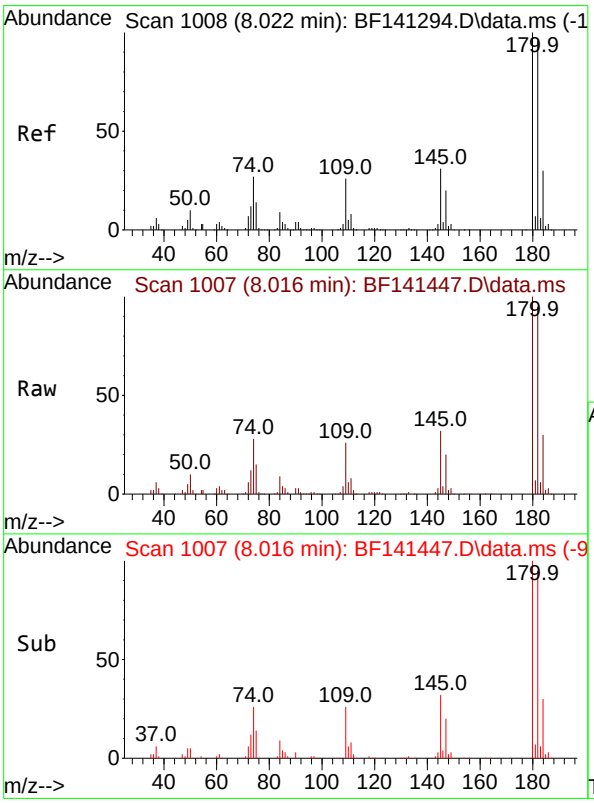
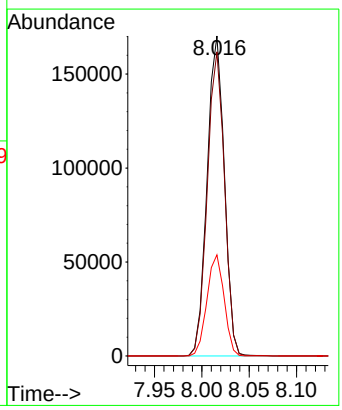
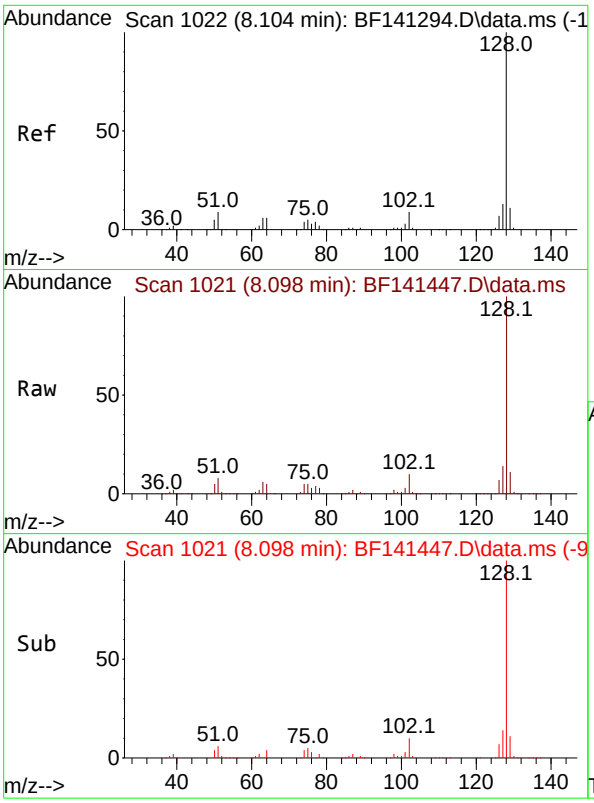


#30
1,2,4-Trichlorobenzene
Concen: 41.662 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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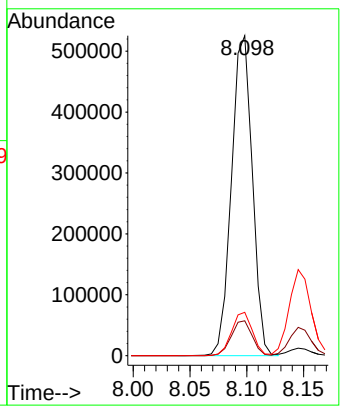
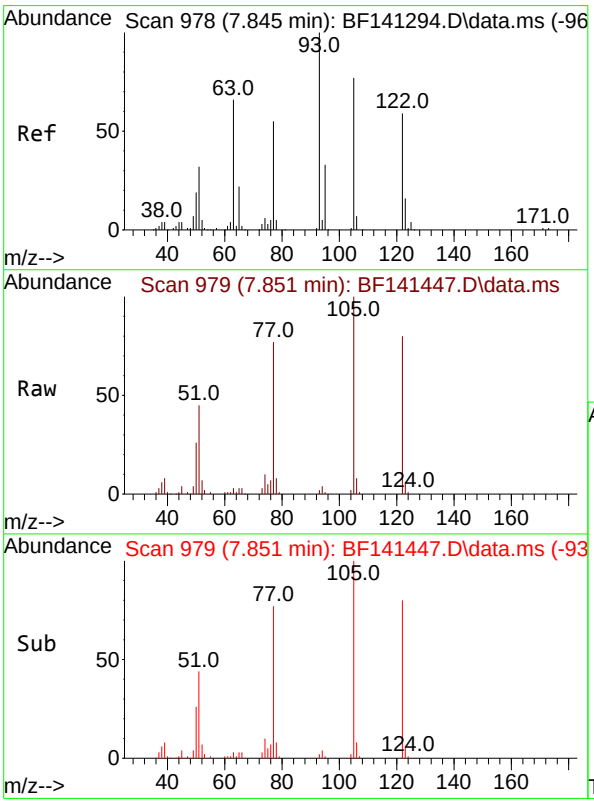
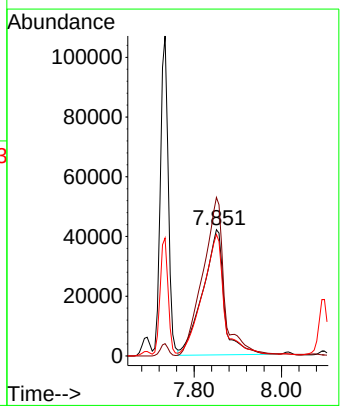


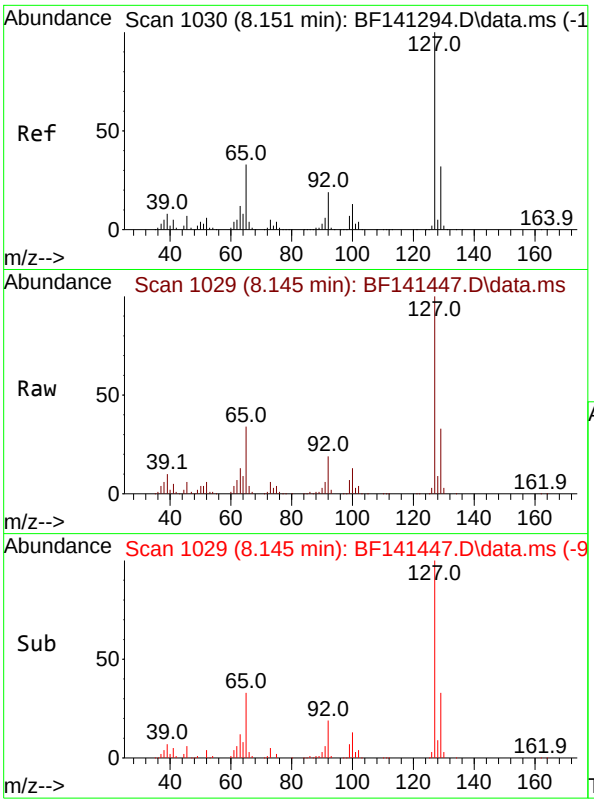


#32
Benzoic acid
Concen: 42.178 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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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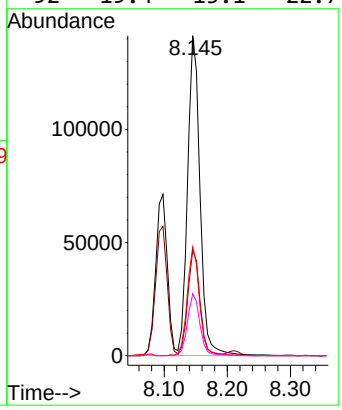
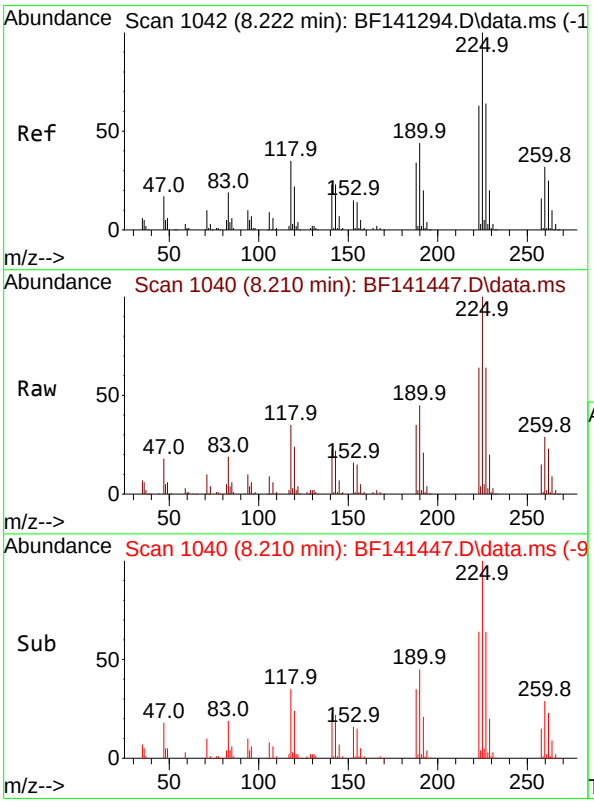
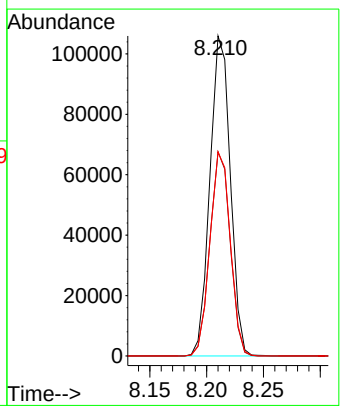


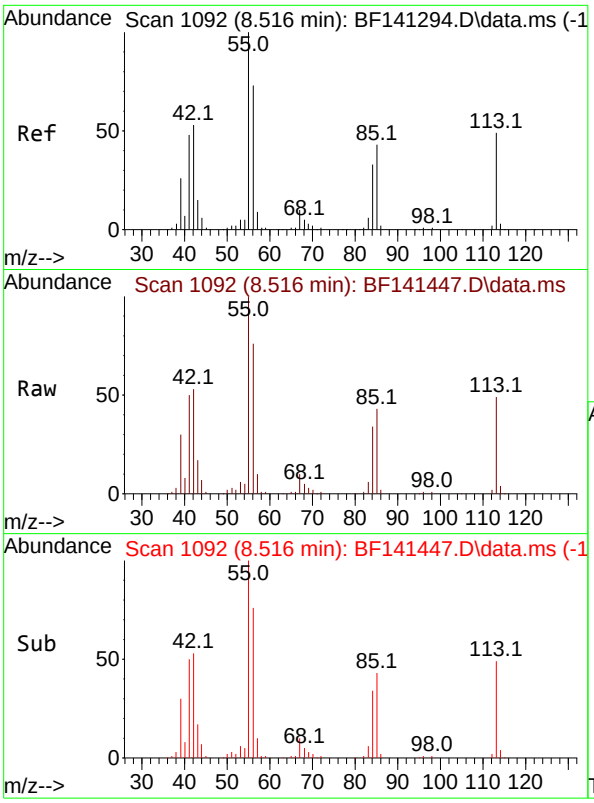


#34
Hexachlorobutadiene
Concen: 43.752 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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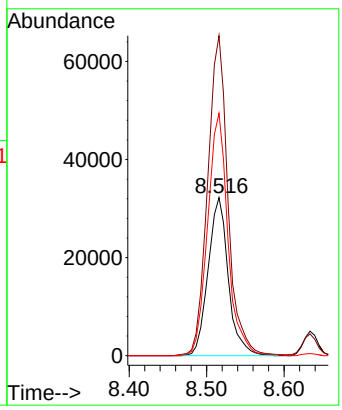
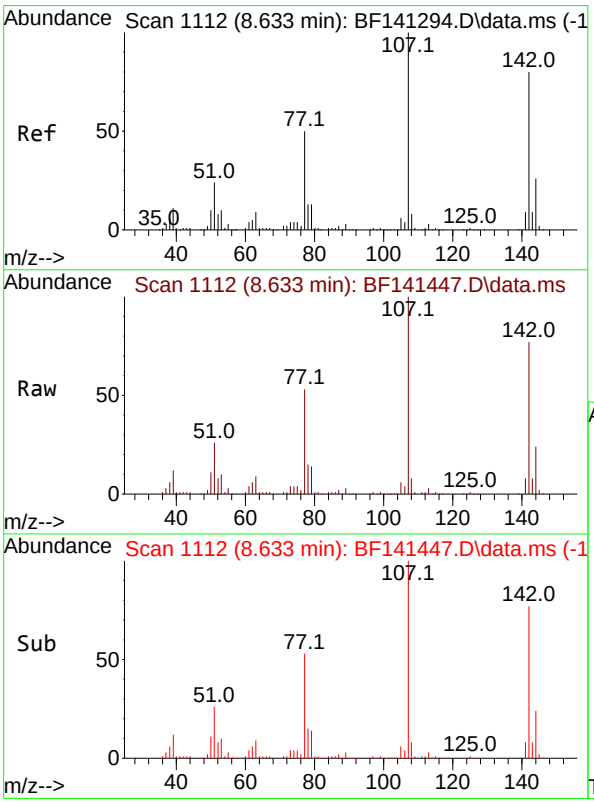
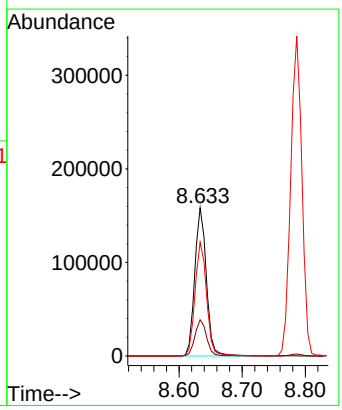


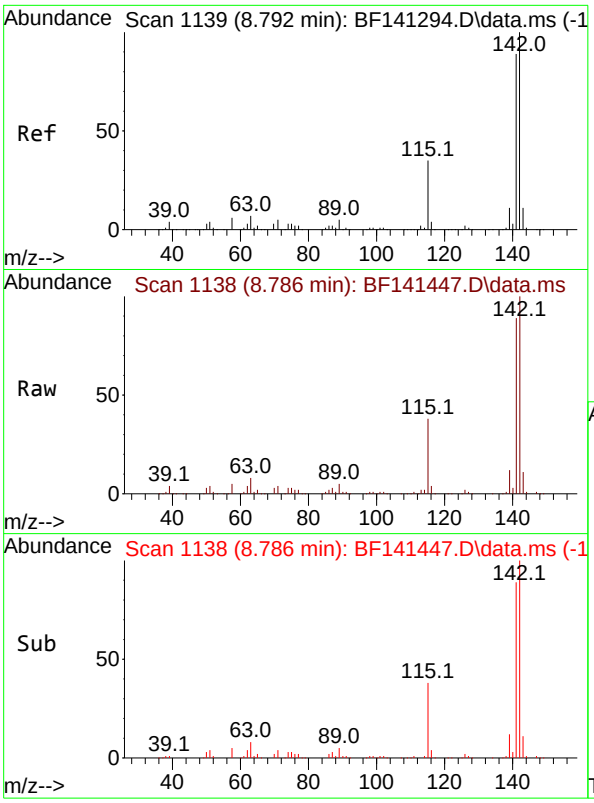


#36
4-Chloro-3-methylphenol
Concen: 41.835 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

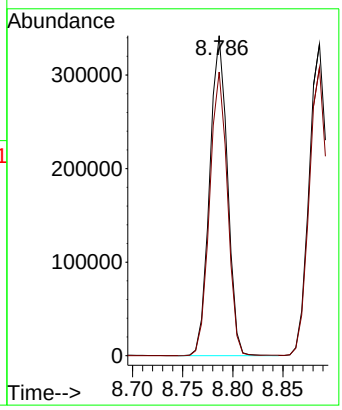




#37
2-Methylnaphthalene
Concen: 40.313 ng
RT: 8.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:142 Resp: 42302

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9



Instrument :
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ClientSampleId :
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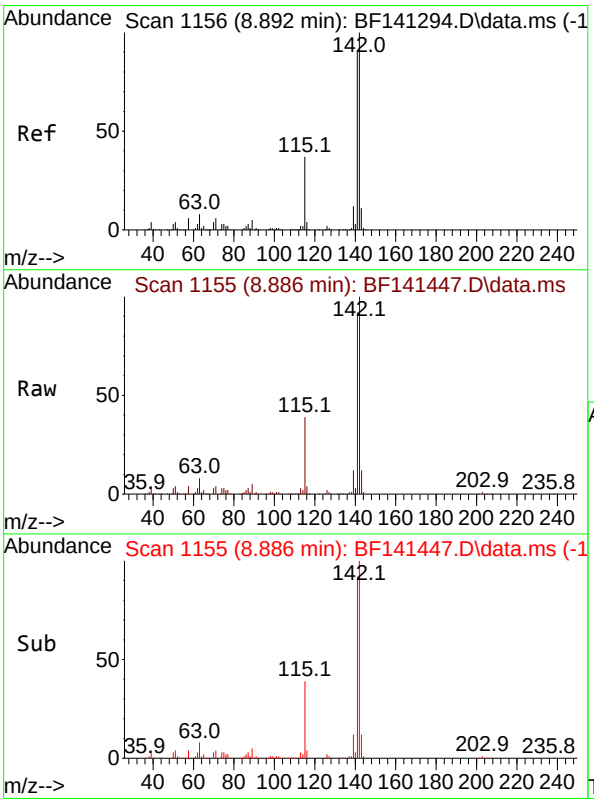
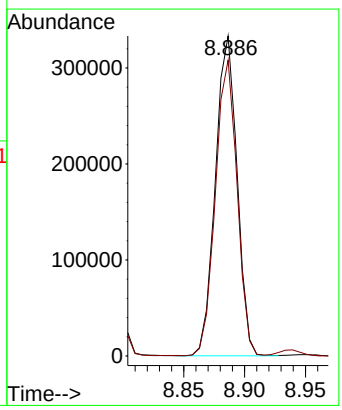
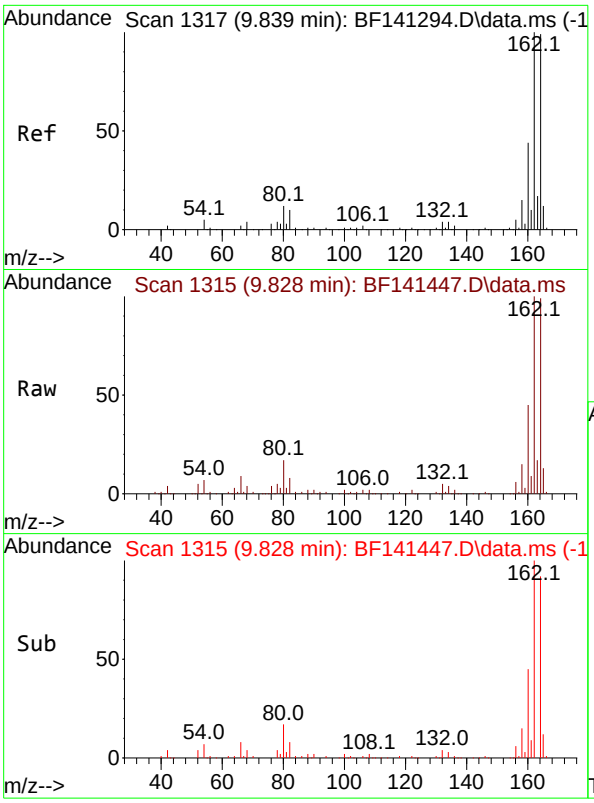


#38
1-Methylnaphthalene
Concen: 40.101 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:142 Resp: 413353

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.2	109.8

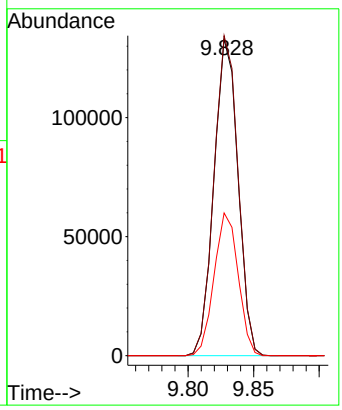




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
SSTDCCC040

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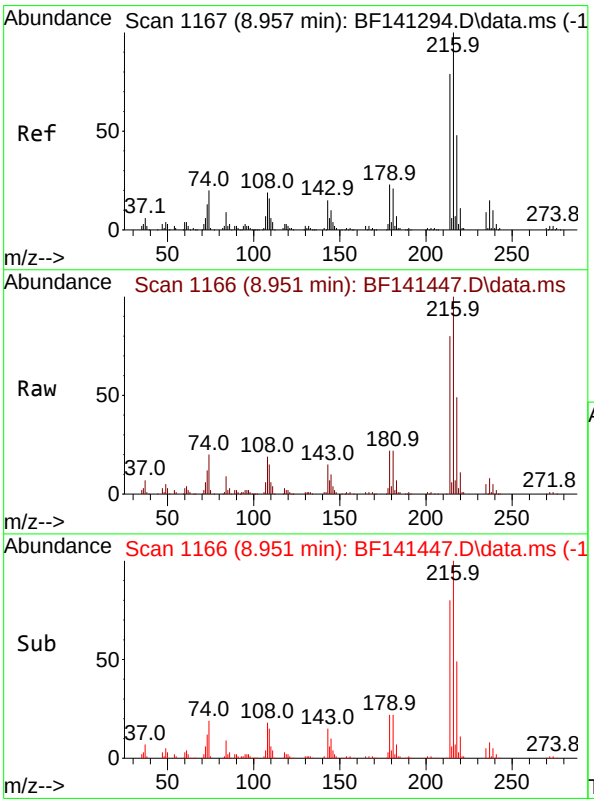
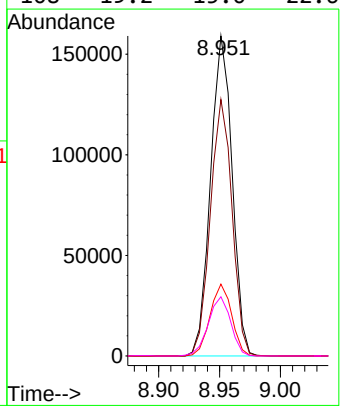
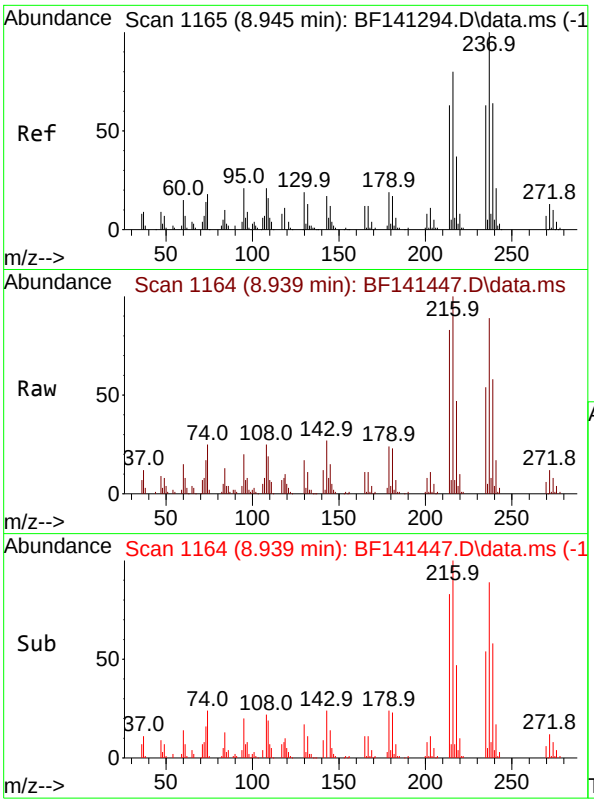


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.790 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

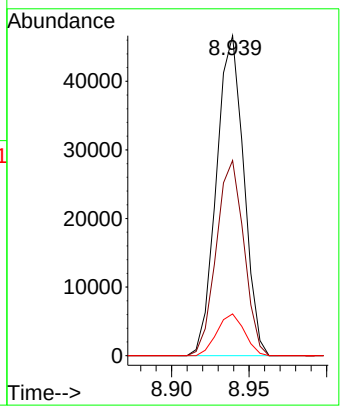




#41
Hexachlorocyclopentadiene
Concen: 40.311 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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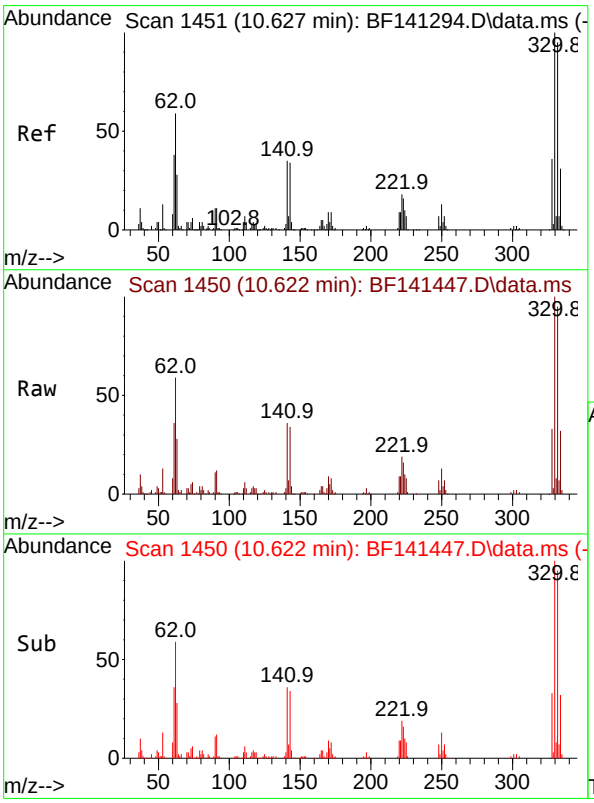
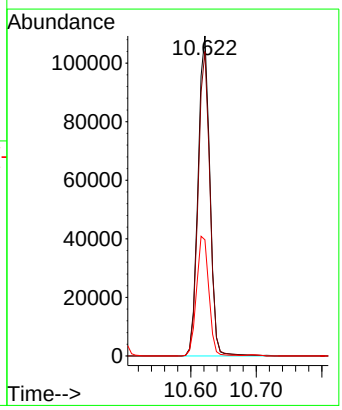
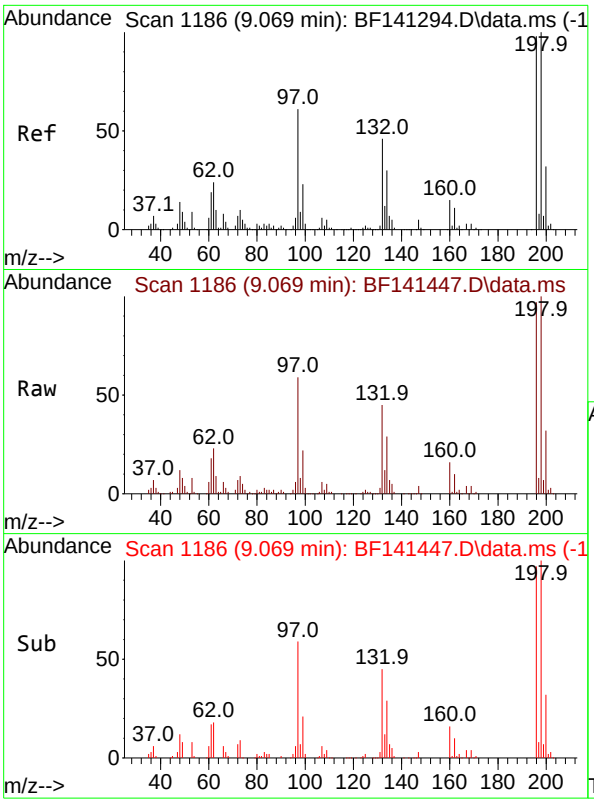


#42
2,4,6-Tribromophenol
Concen: 88.675 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

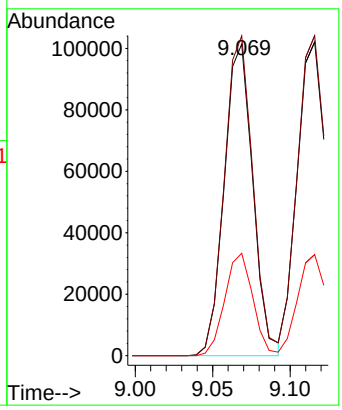




#43
2,4,6-Trichlorophenol
Concen: 41.280 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
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ClientSampleId :
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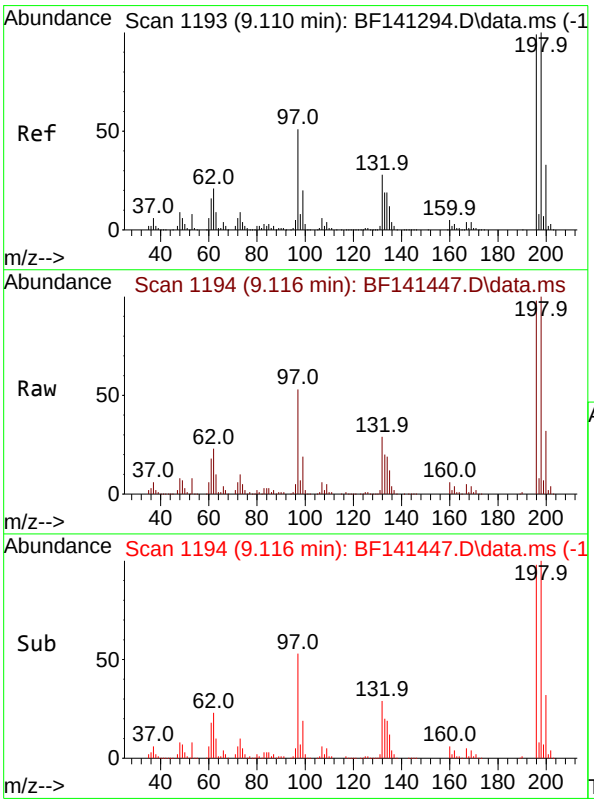
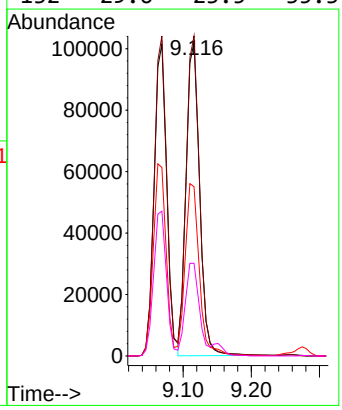
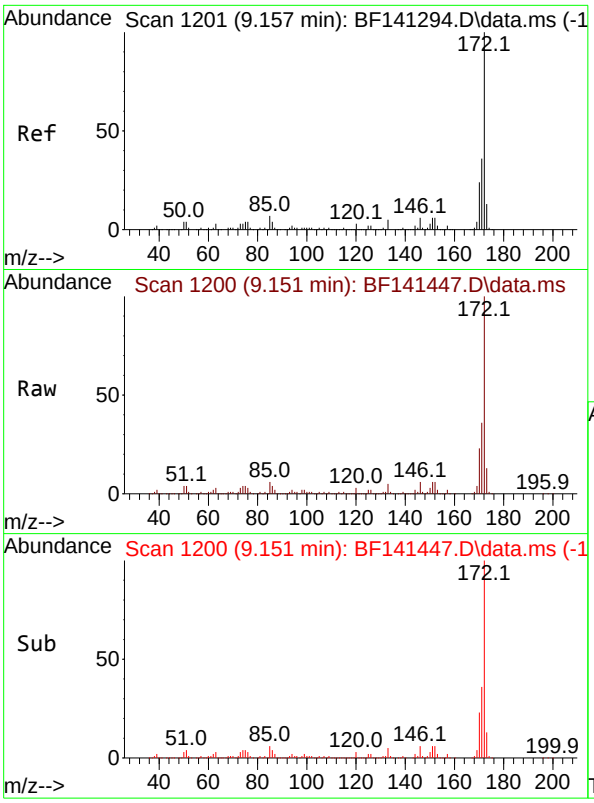


#44
2,4,5-Trichlorophenol
Concen: 40.864 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

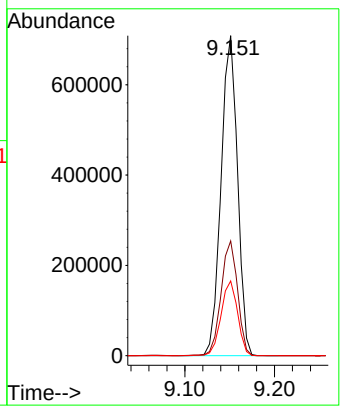




#45
2-Fluorobiphenyl
Concen: 82.031 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
SSTDCCC040

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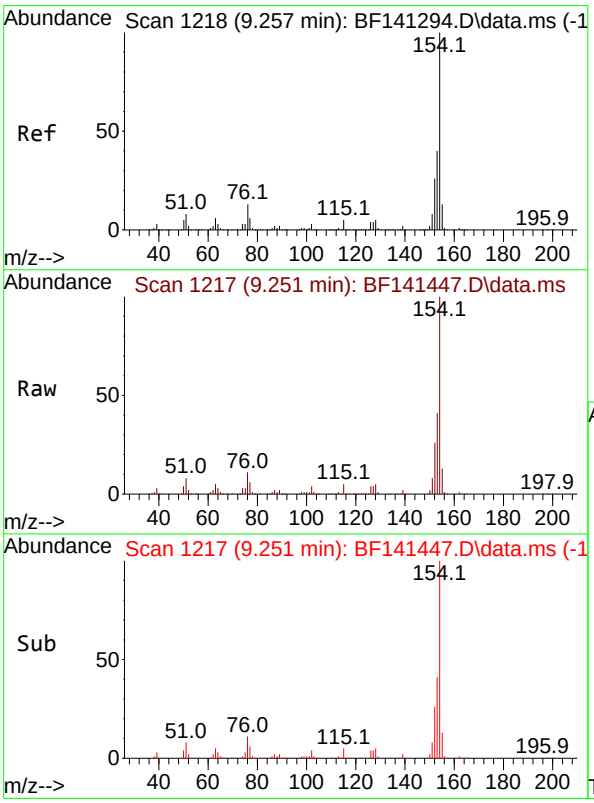
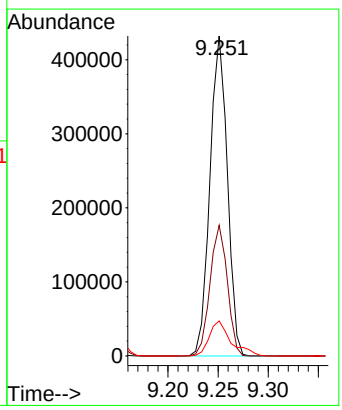
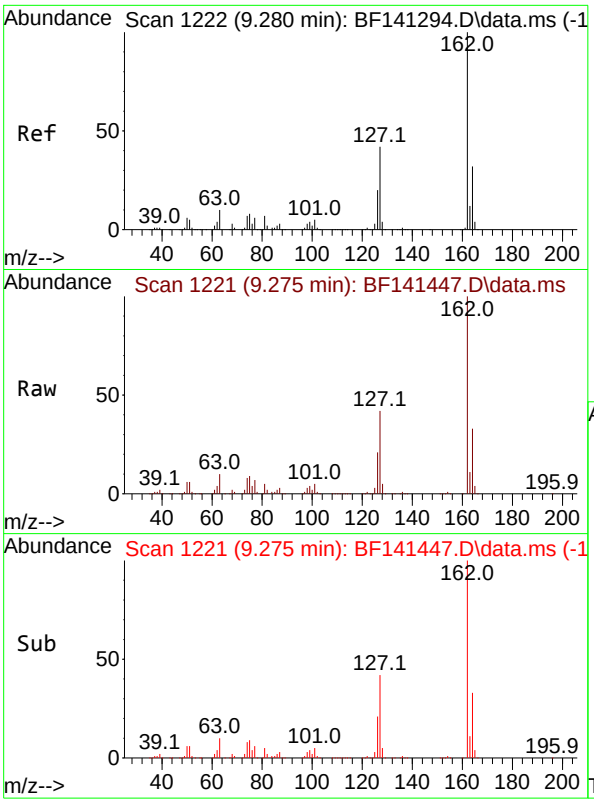


#46
1,1'-Biphenyl
Concen: 39.526 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

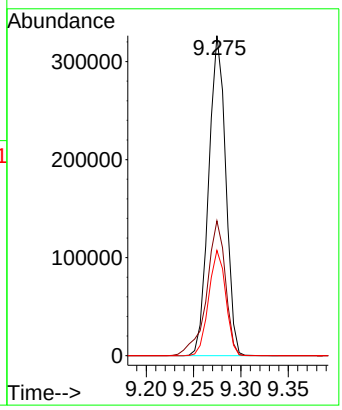




#47
2-Chloronaphthalene
Concen: 39.690 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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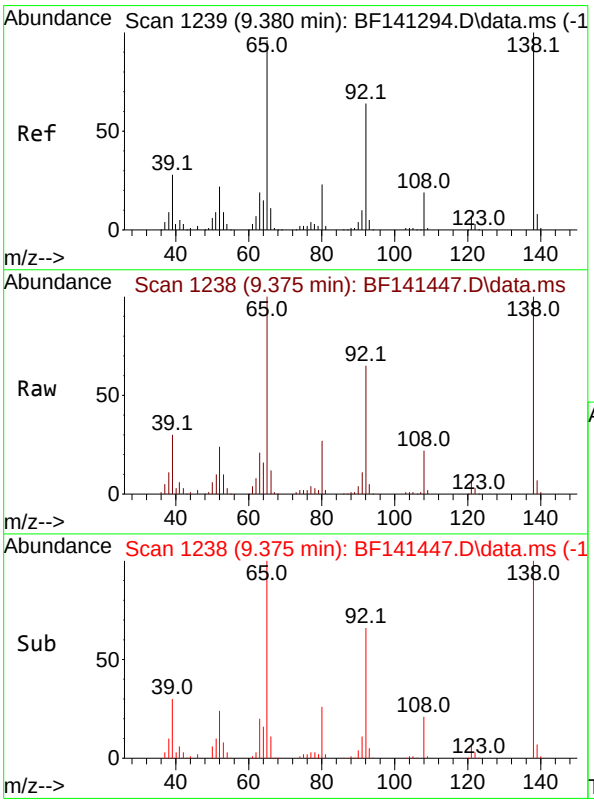
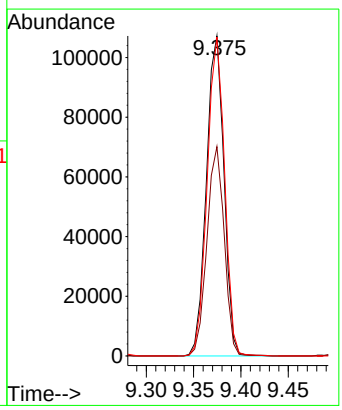
Supervised By :mohammad ahmed 02/06/2025

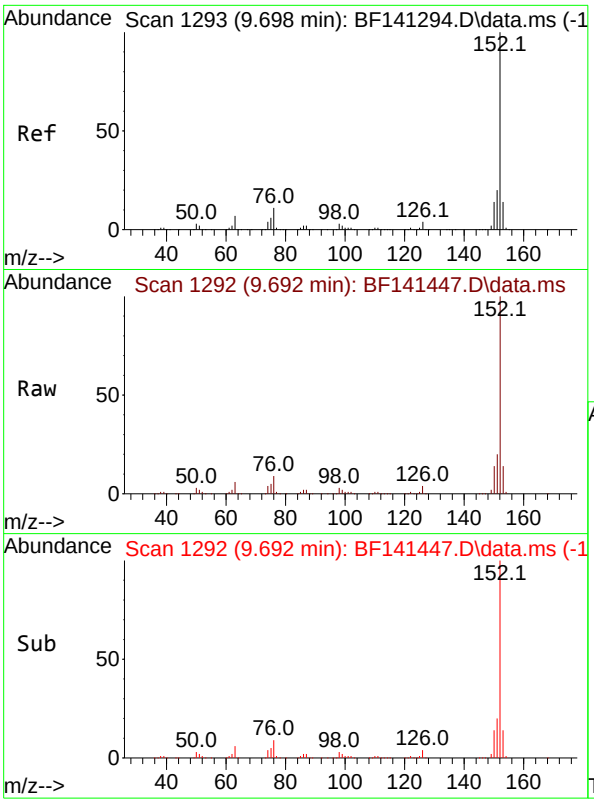


#48
2-Nitroaniline
Concen: 42.611 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

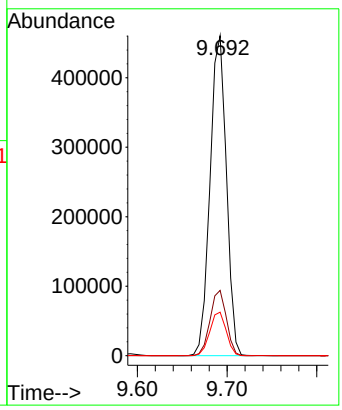




#49
Acenaphthylene
Concen: 40.477 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
BNA_F
ClientSampleId :
SSTDCCC040

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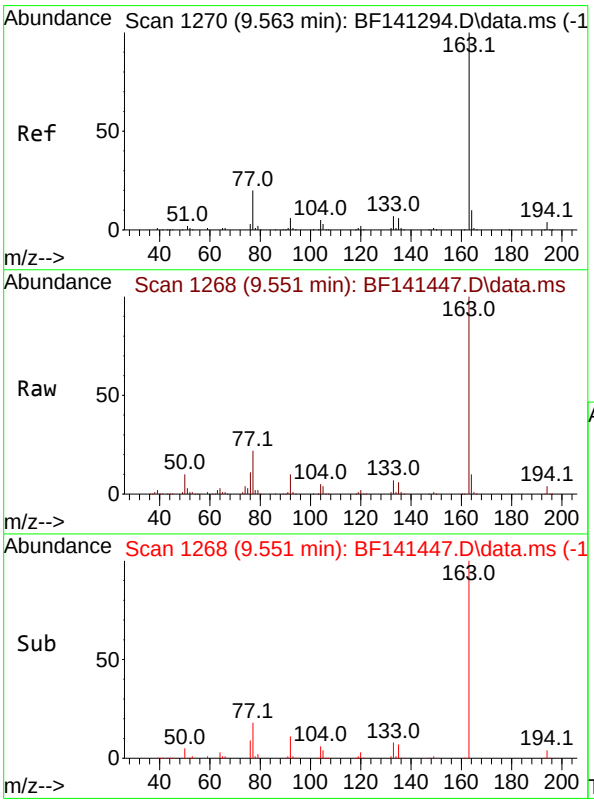
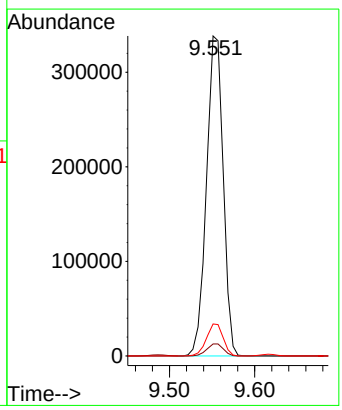
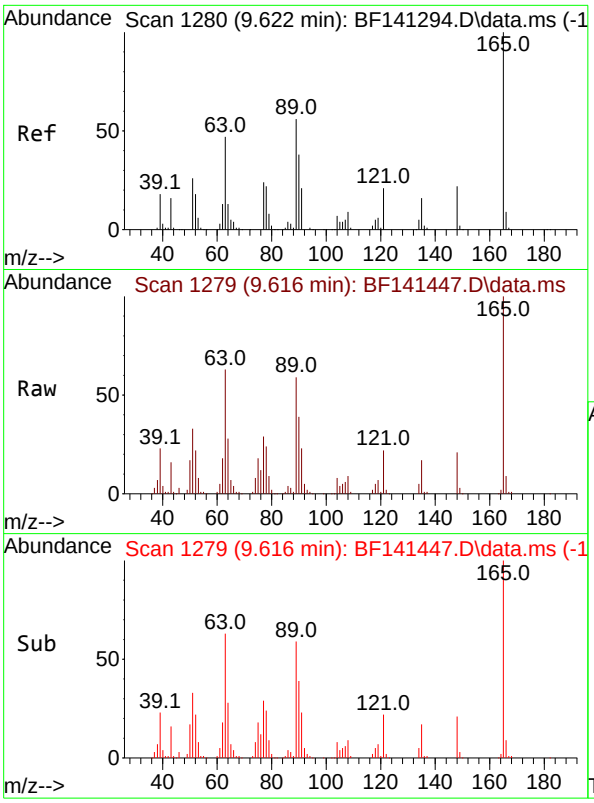


#50
Dimethylphthalate
Concen: 40.461 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
BNA_F
ClientSampleId :
SSTDCCC040

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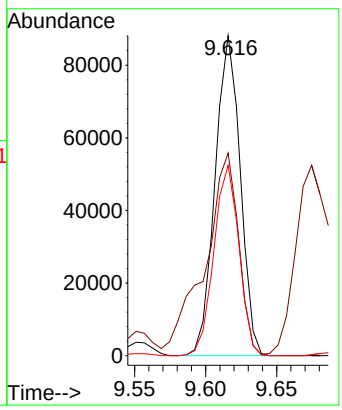
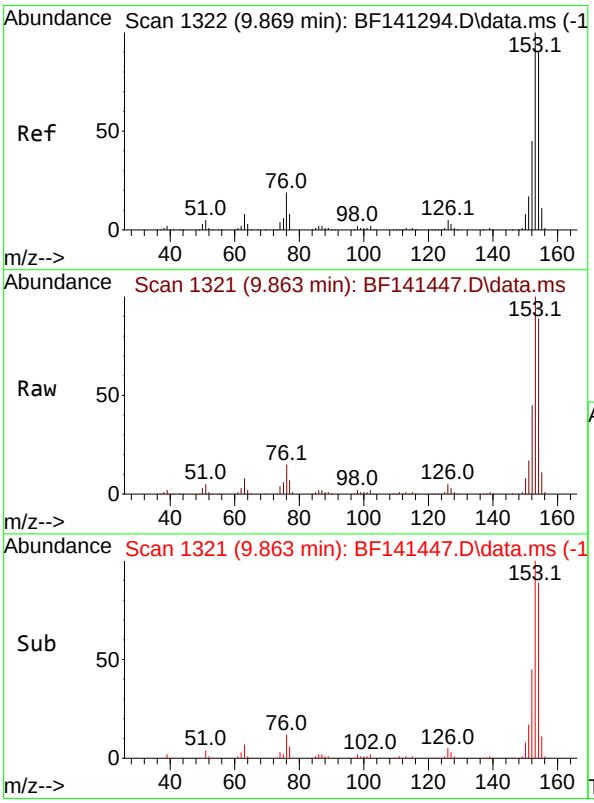
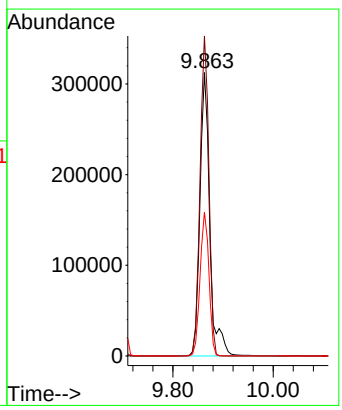


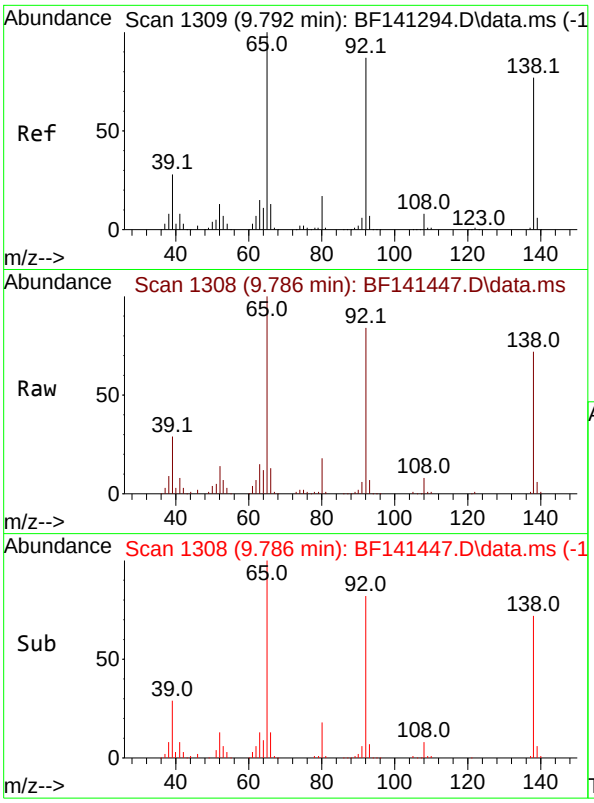


#52
Acenaphthene
Concen: 41.234 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
SSTDCCC040

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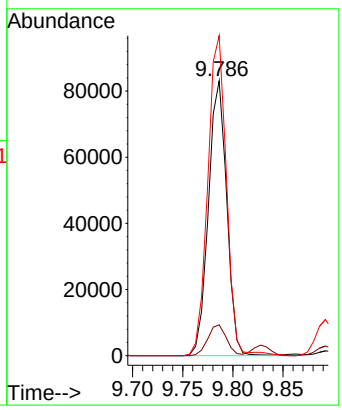
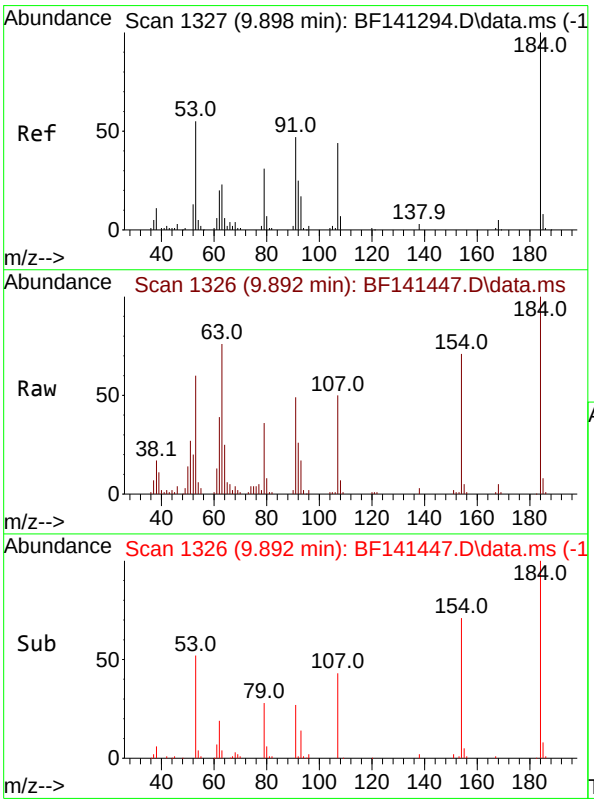
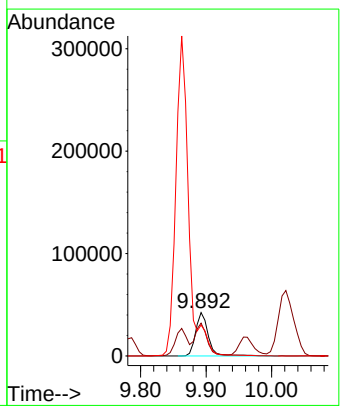


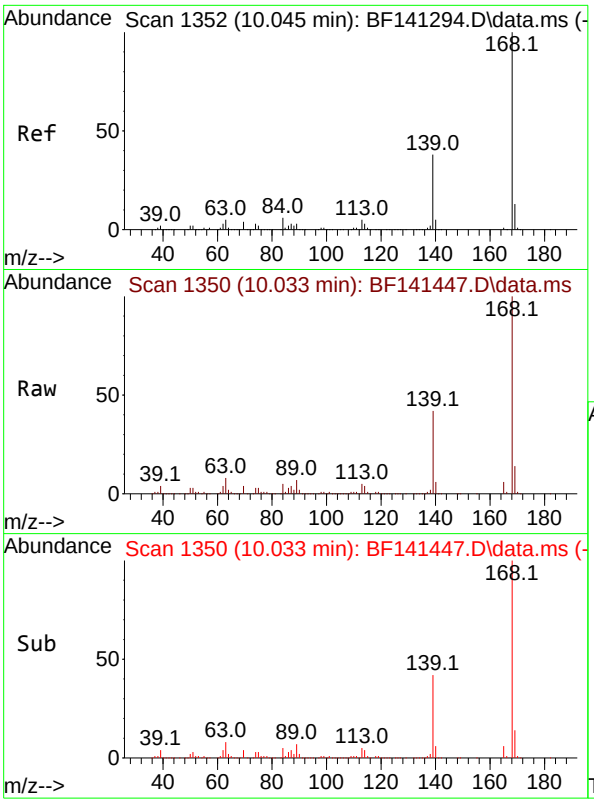


#54
2,4-Dinitrophenol
Concen: 46.121 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

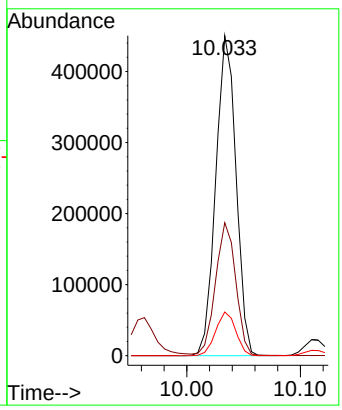




#55
Dibenzofuran
Concen: 40.604 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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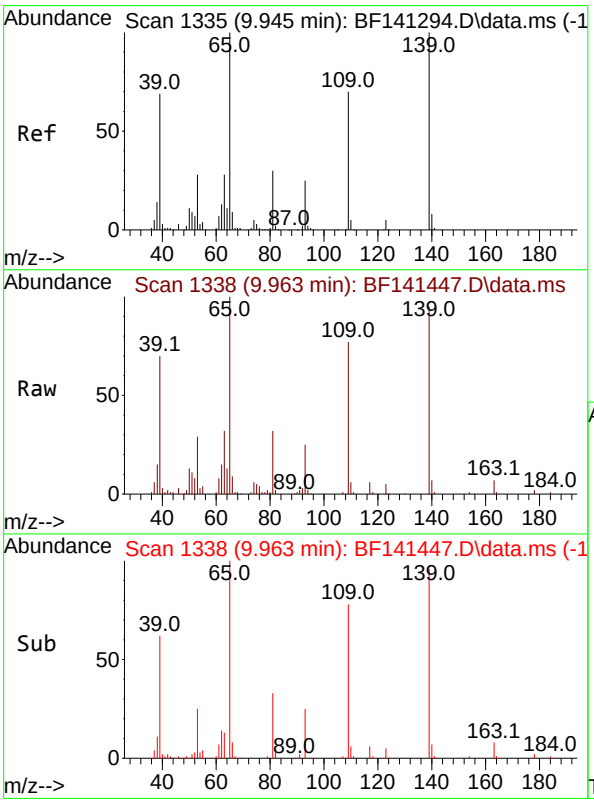
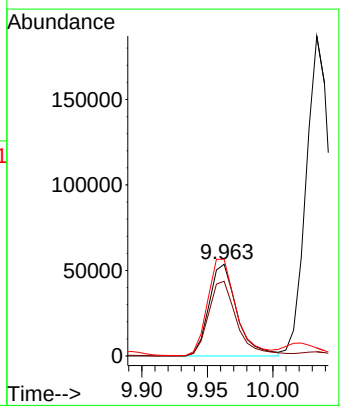
Supervised By :mohammad ahmed 02/06/2025

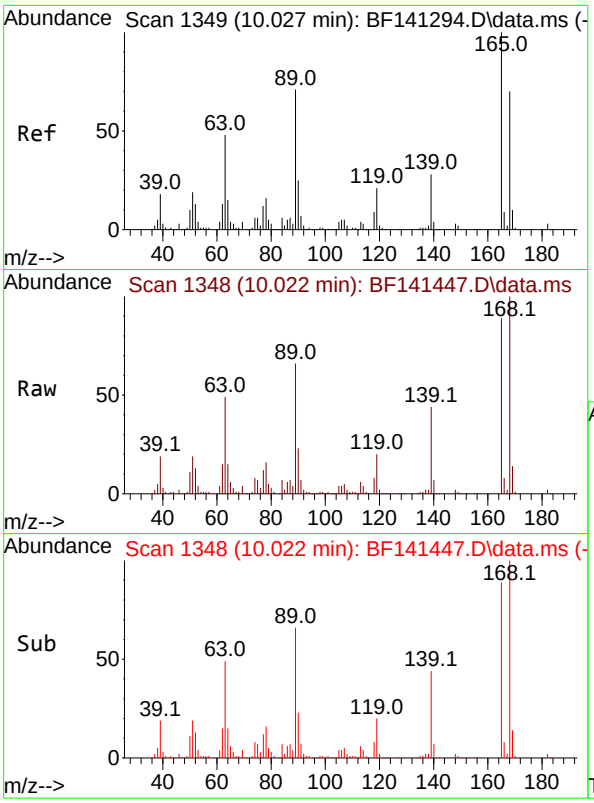


#56
4-Nitrophenol
Concen: 41.757 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

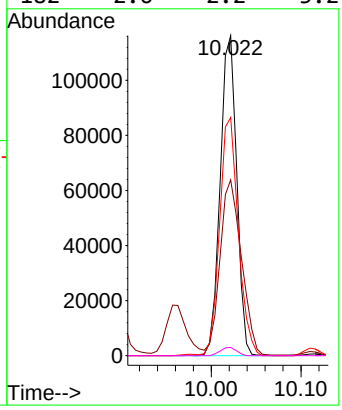




#57
2,4-Dinitrotoluene
Concen: 43.255 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
SSTDCCC040

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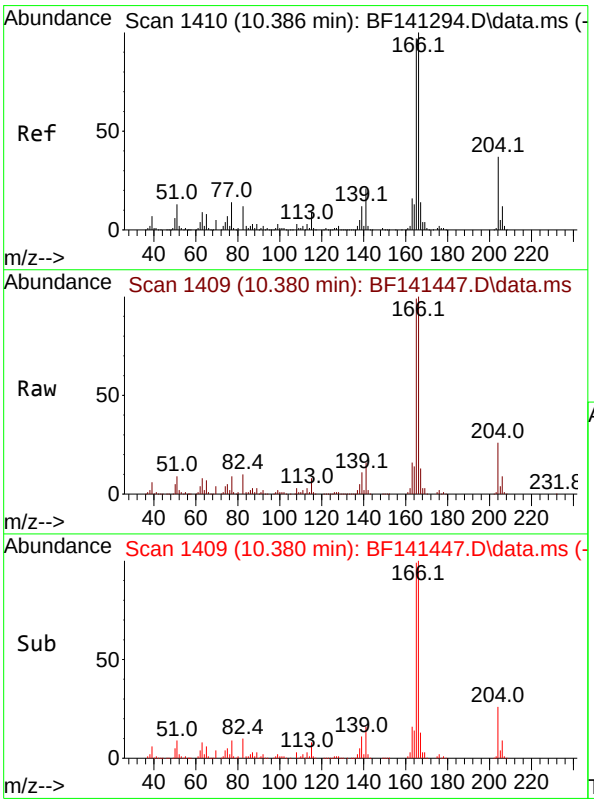
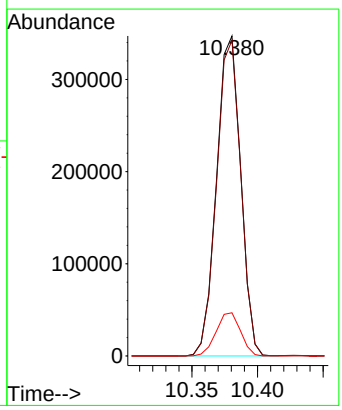
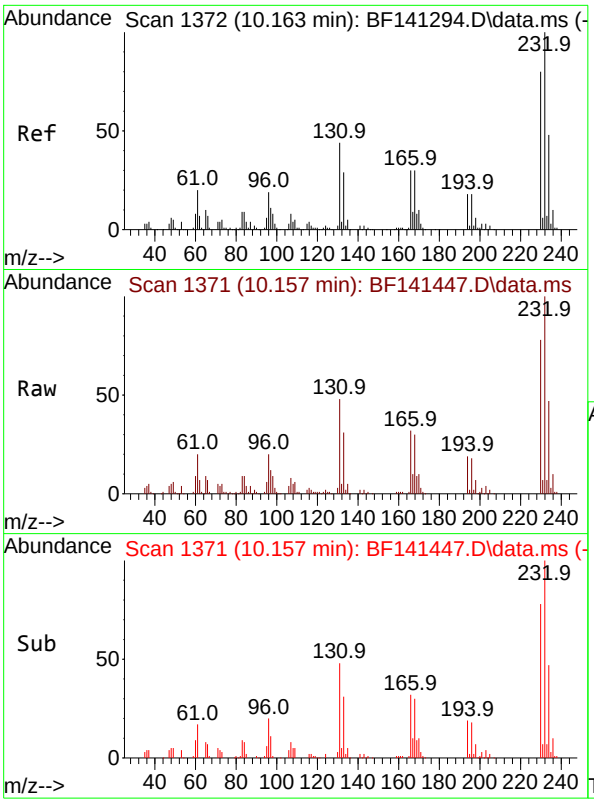


#58
Fluorene
Concen: 41.681 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

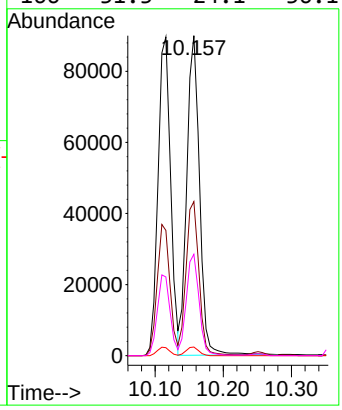




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.009 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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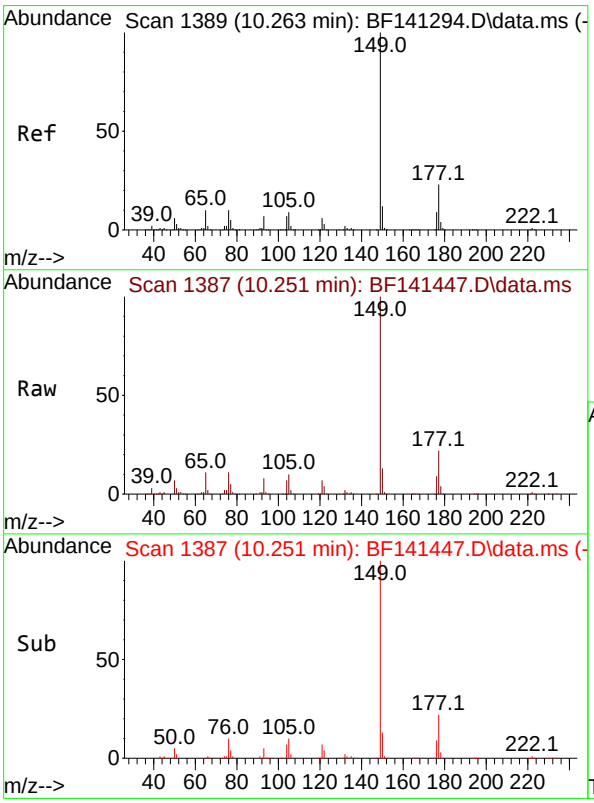
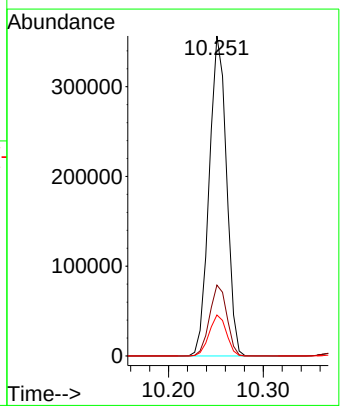
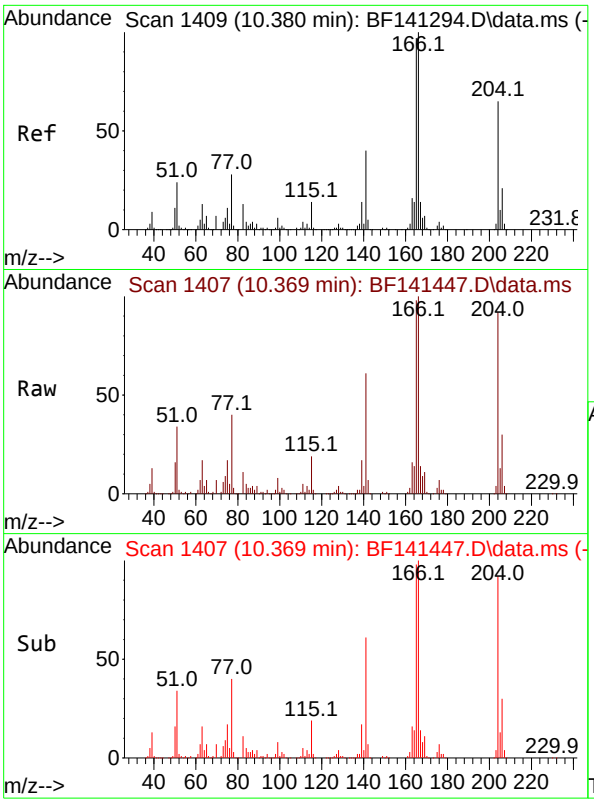


#60
Diethylphthalate
Concen: 40.767 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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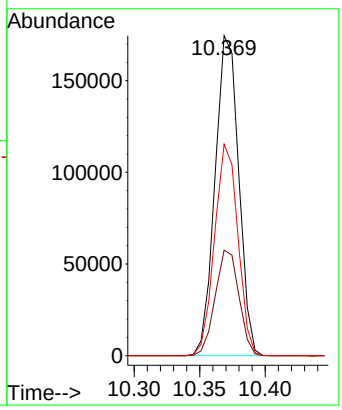
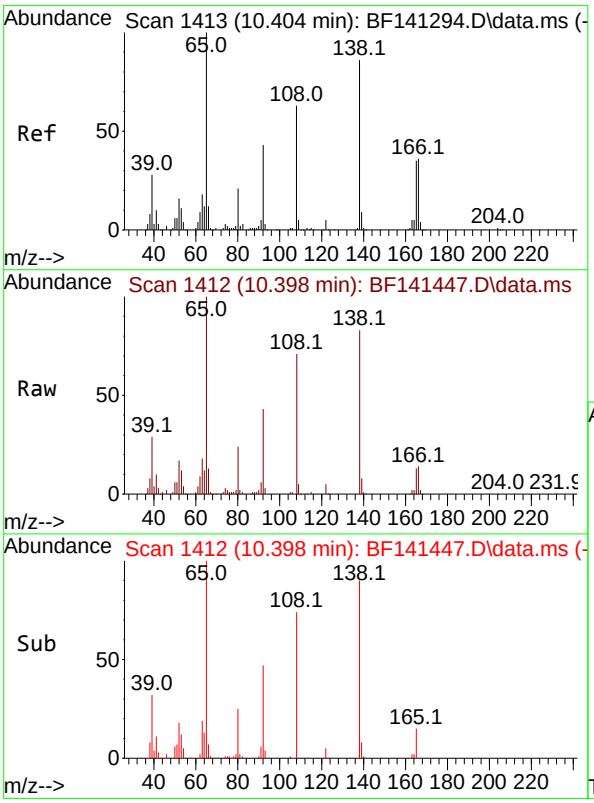
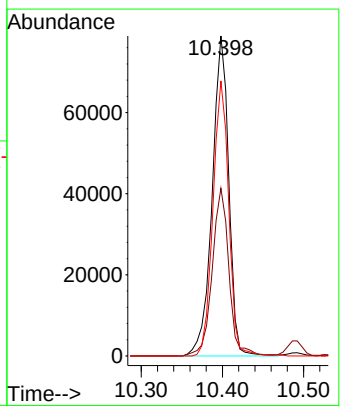


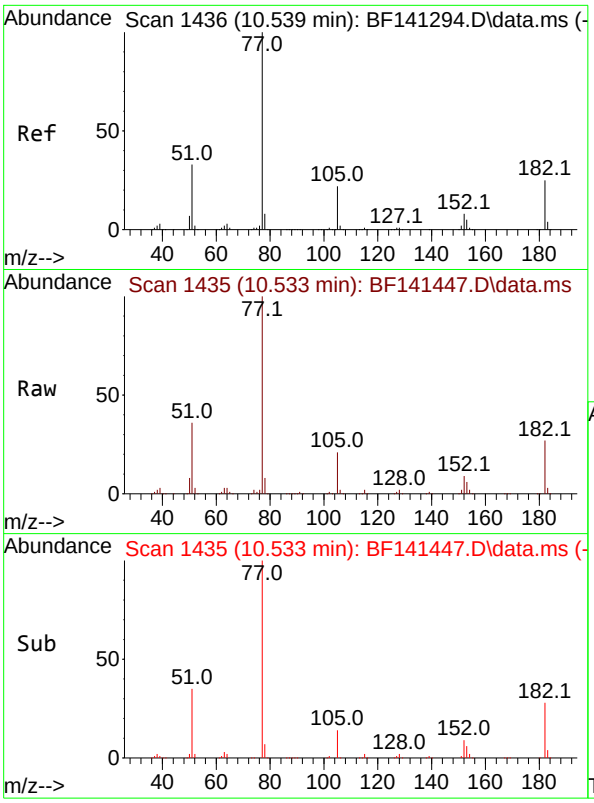


#62
4-Nitroaniline
Concen: 43.805 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

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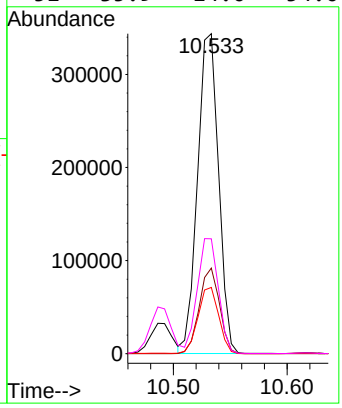
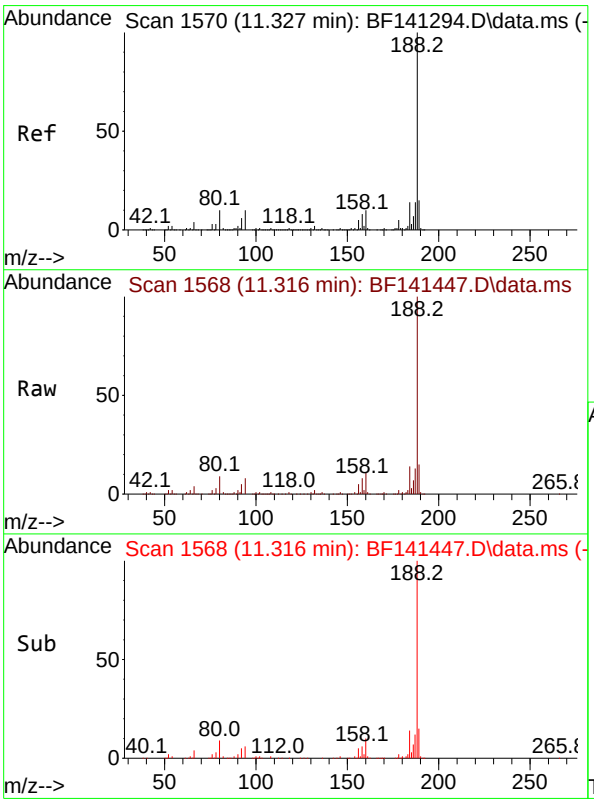
Supervised By :mohammad ahmed 02/06/2025

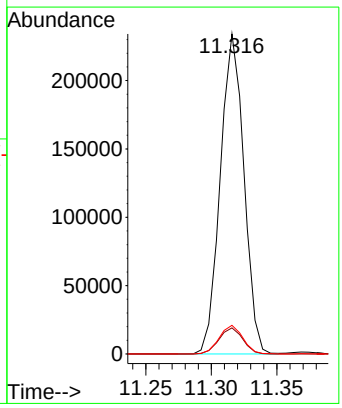


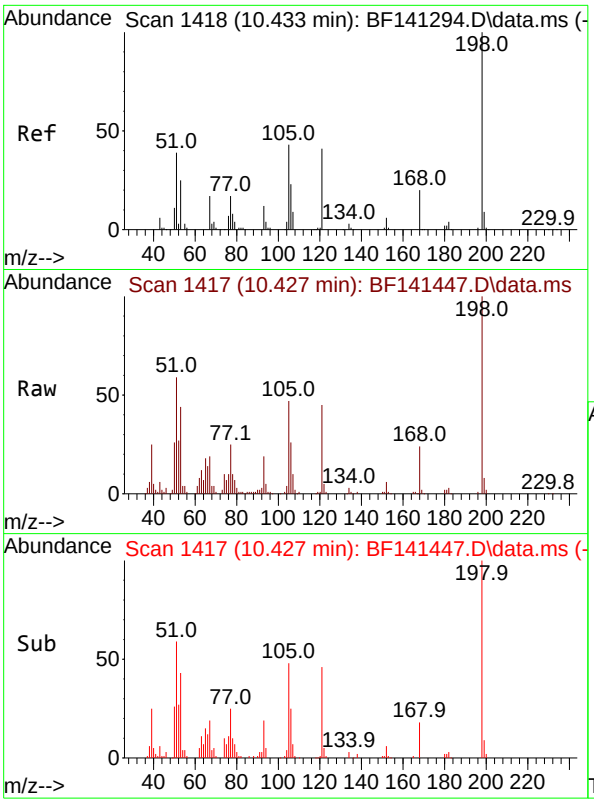


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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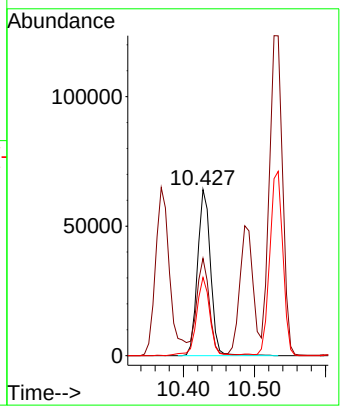
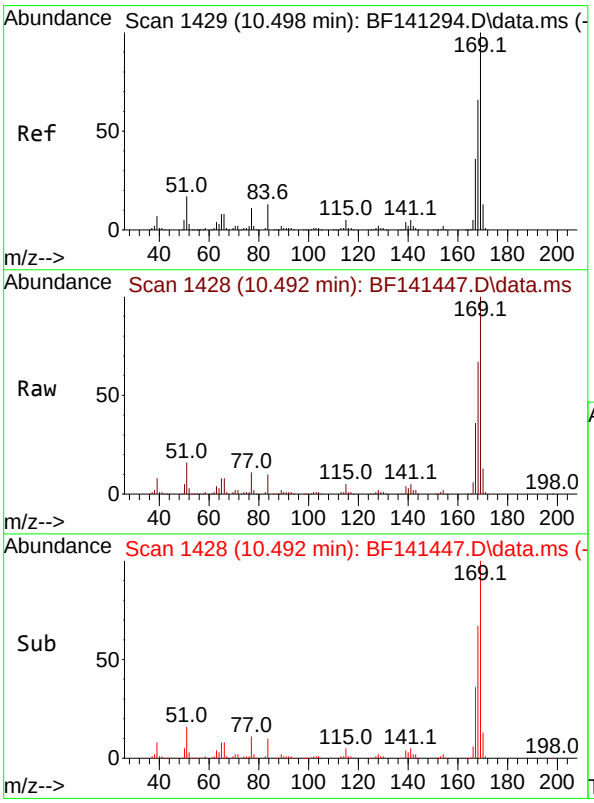
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

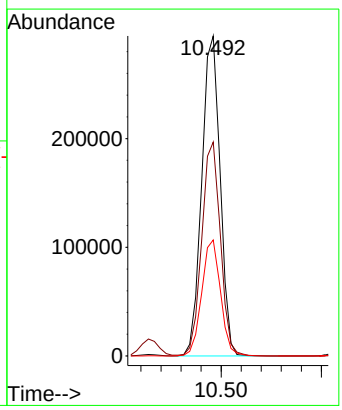


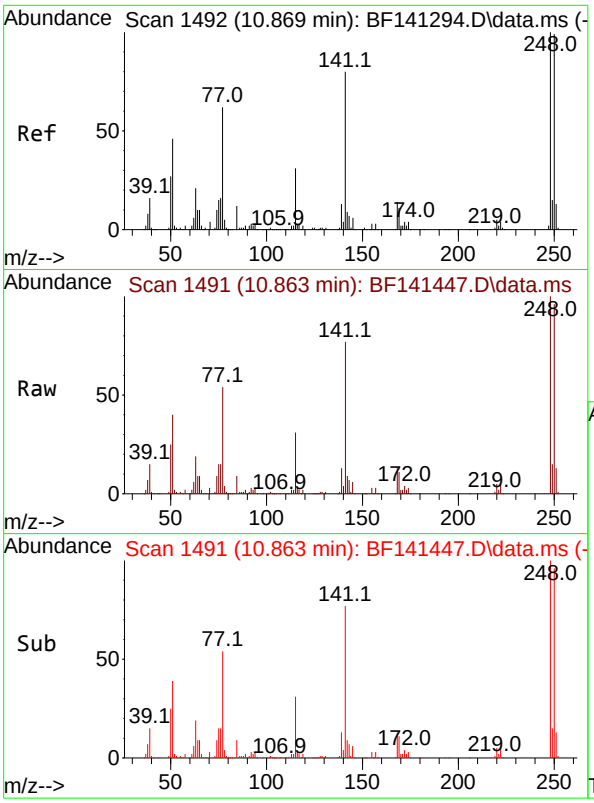


#66
n-Nitrosodiphenylamine
Concen: 39.596 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

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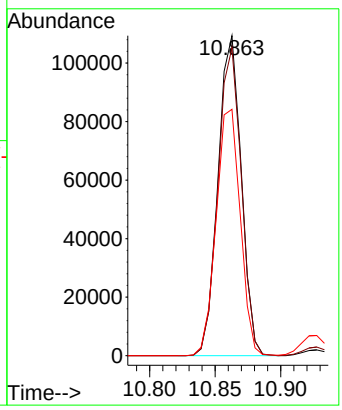
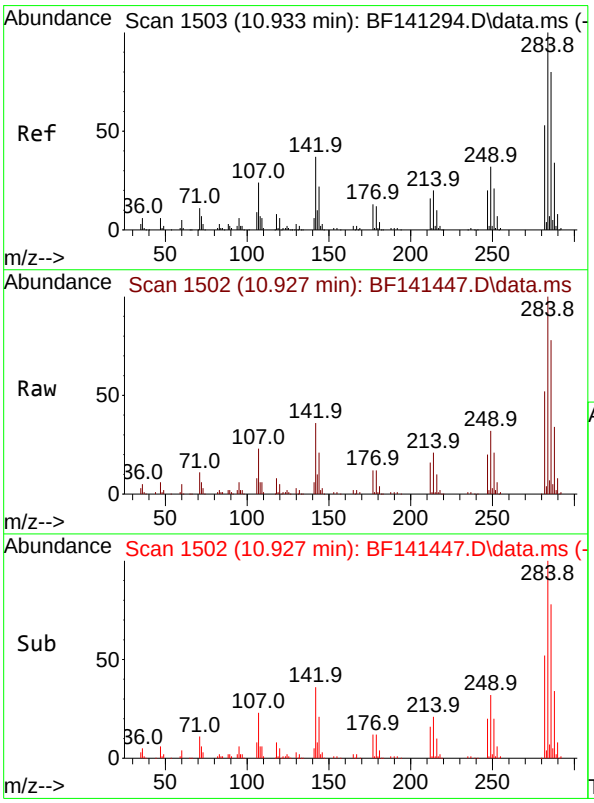
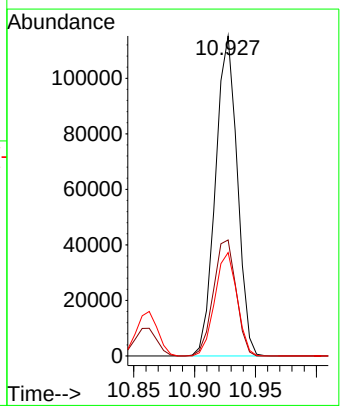


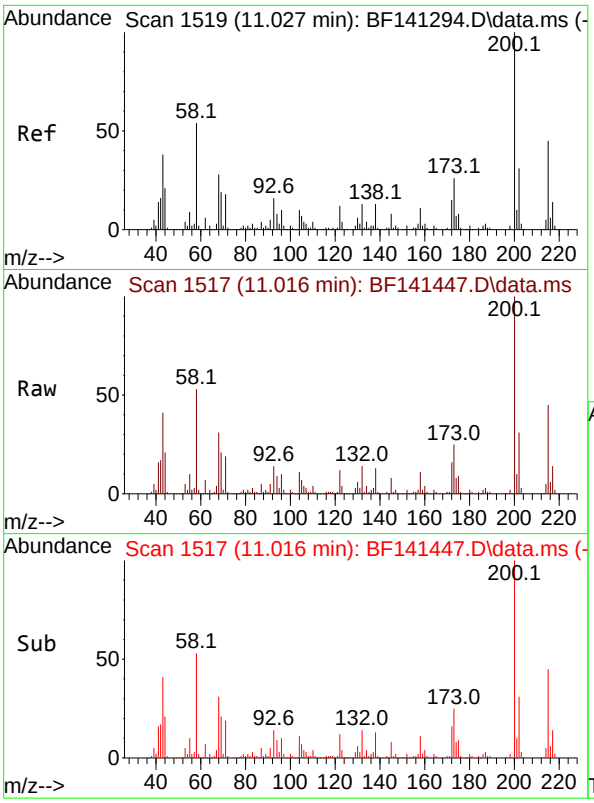


#68
Hexachlorobenzene
Concen: 41.264 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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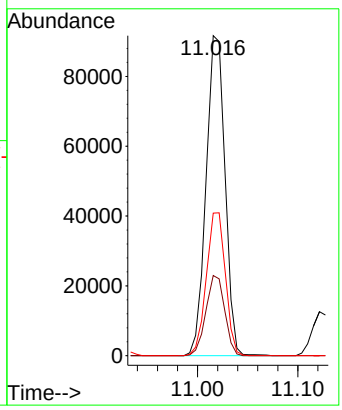
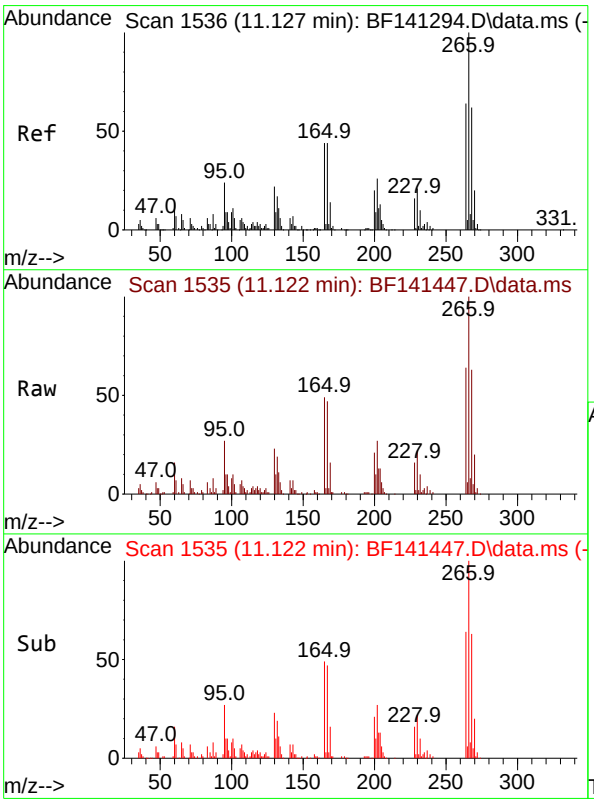
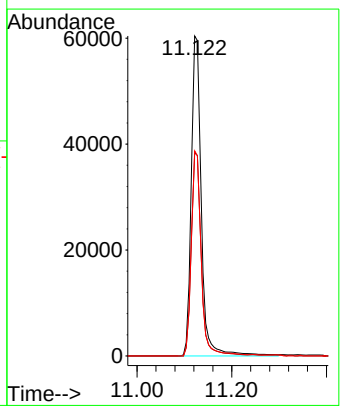


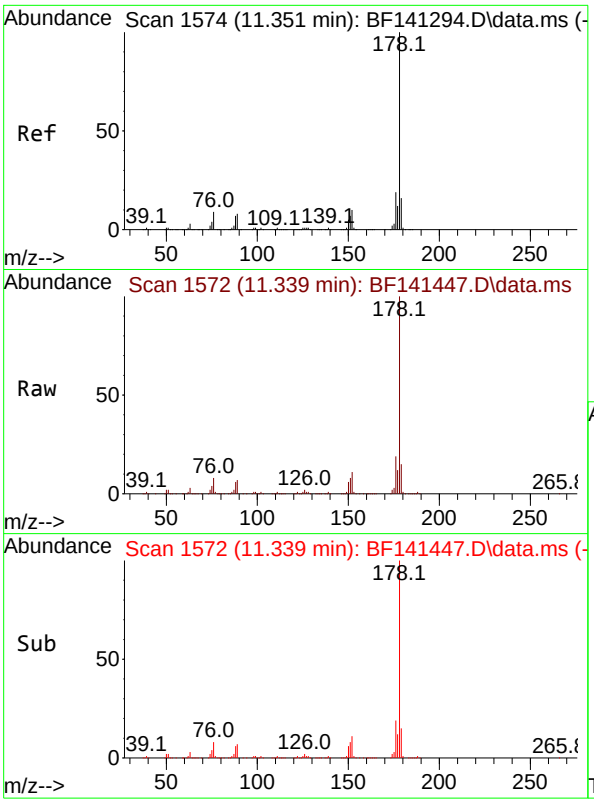


#70
Pentachlorophenol
Concen: 43.736 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

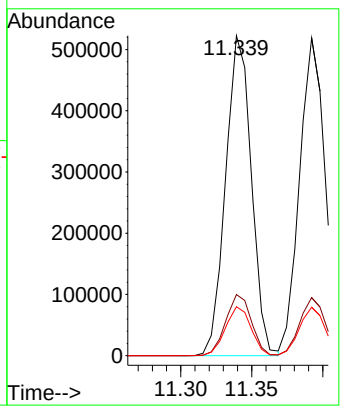




#71
Phenanthrene
Concen: 41.848 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
BNA_F
ClientSampleId :
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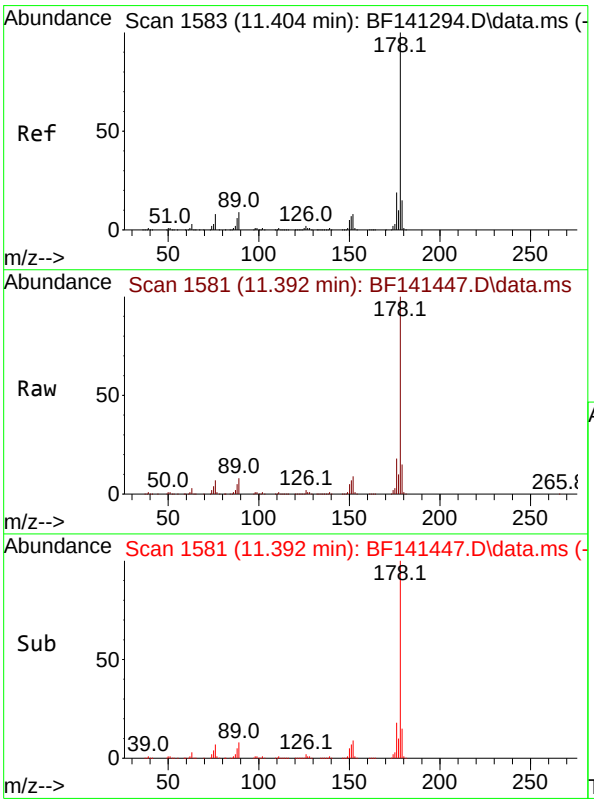
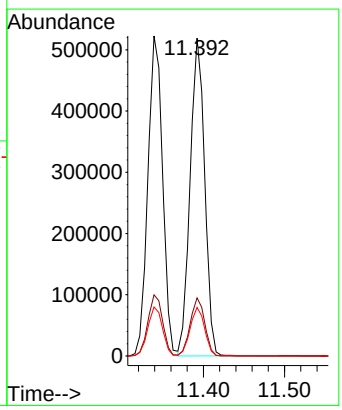
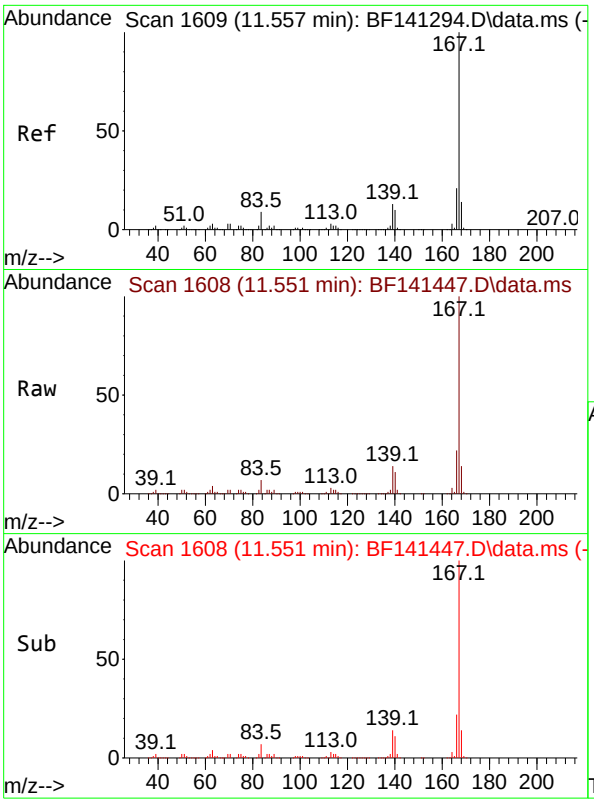


#72
Anthracene
Concen: 41.945 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

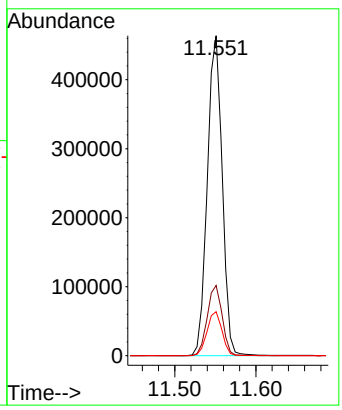




#73
Carbazole
Concen: 43.030 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
SSTDCCC040

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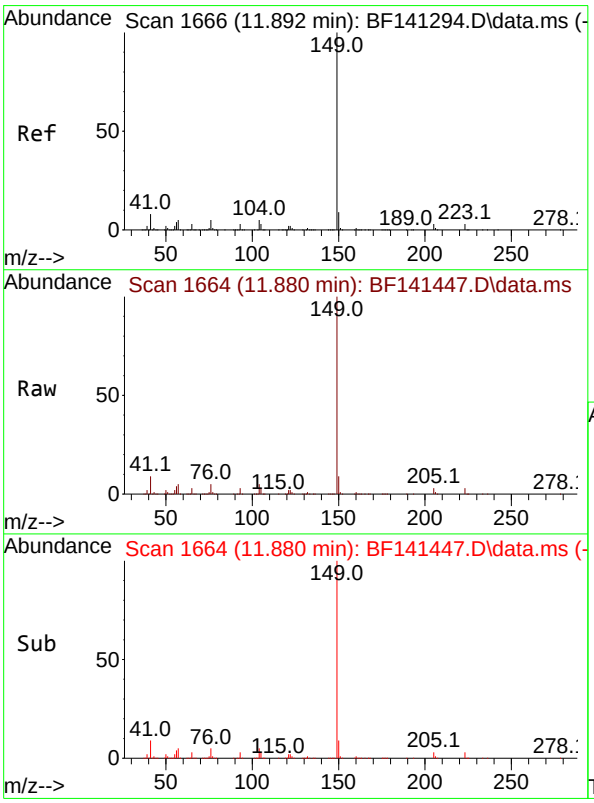
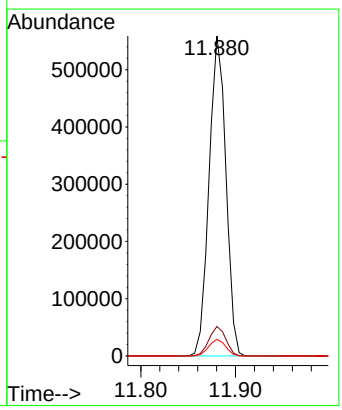
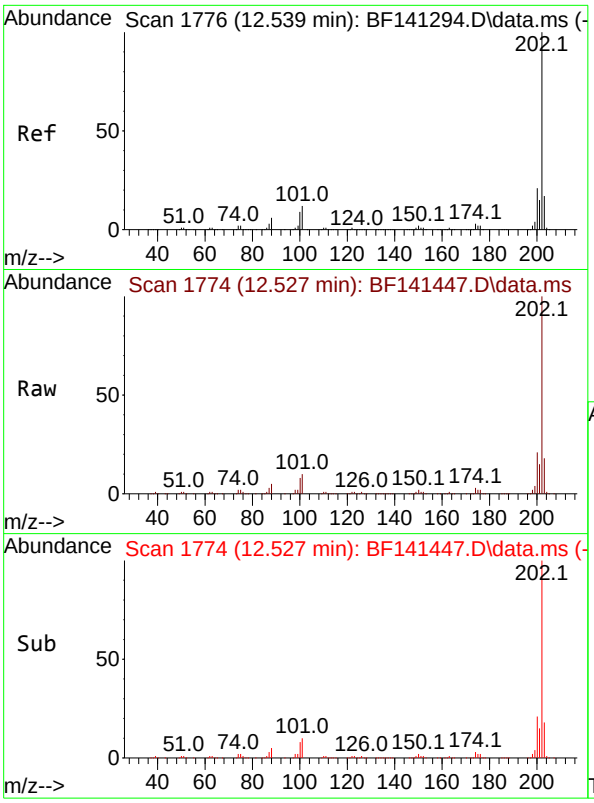


#74
Di-n-butylphthalate
Concen: 41.523 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

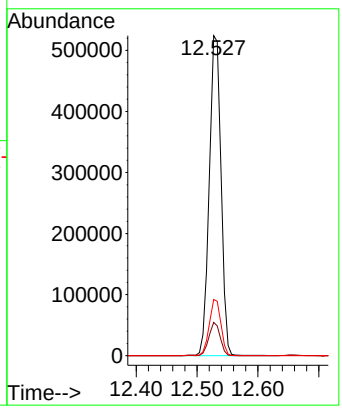




#75
Fluoranthene
Concen: 45.252 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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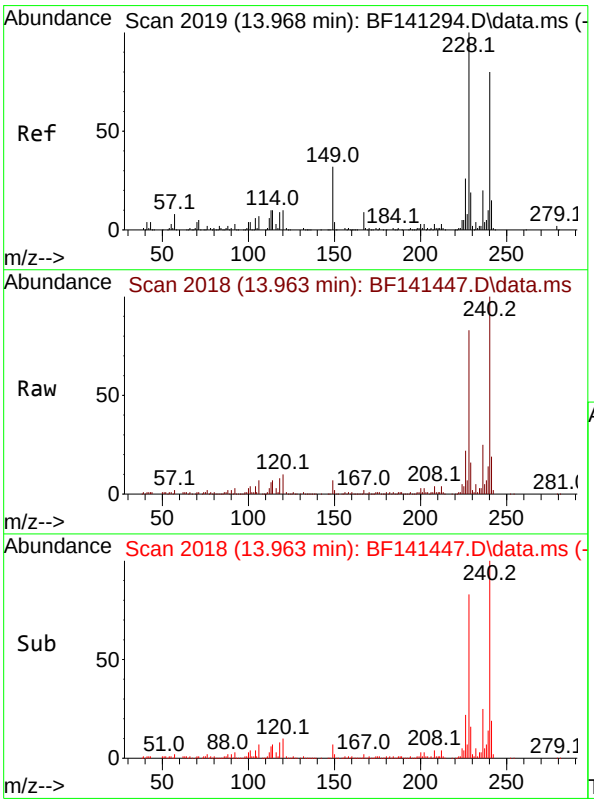
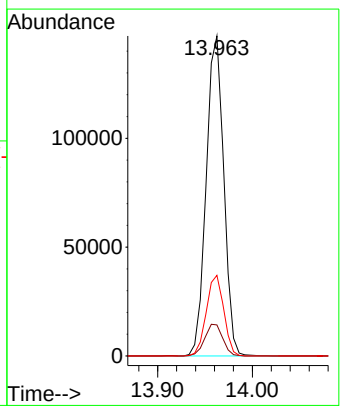
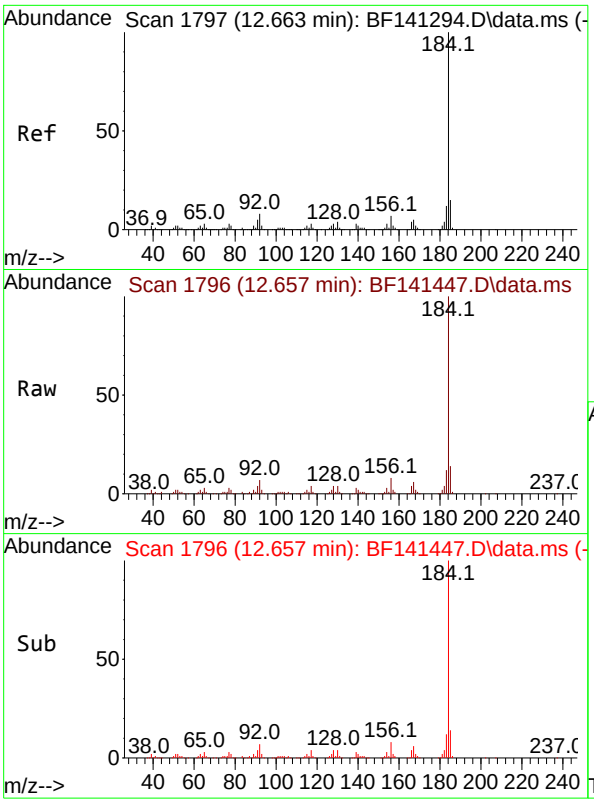


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

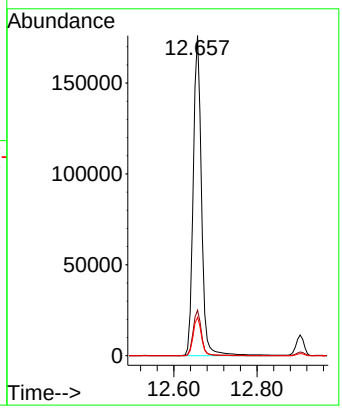




#77
Benzidine
Concen: 40.163 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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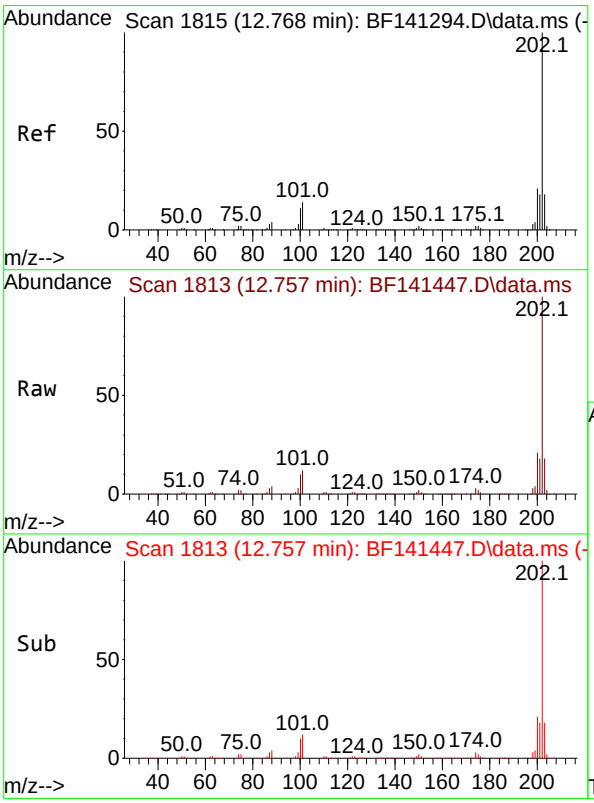
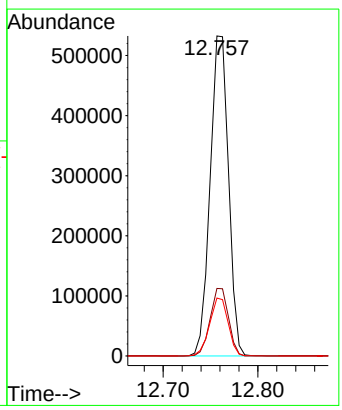
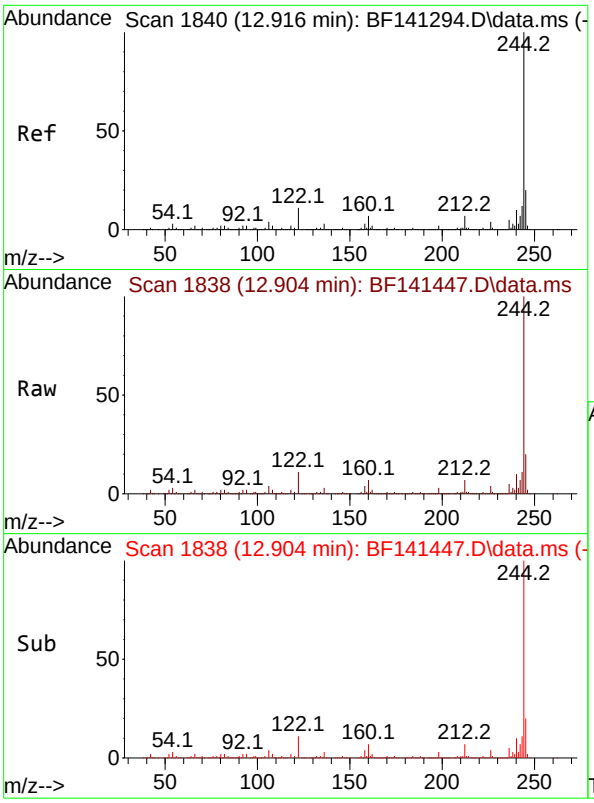


#78
Pyrene
Concen: 39.495 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

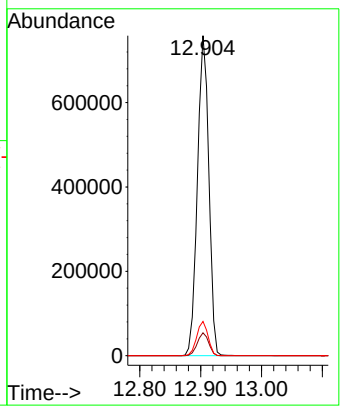




#79
Terphenyl-d14
Concen: 80.246 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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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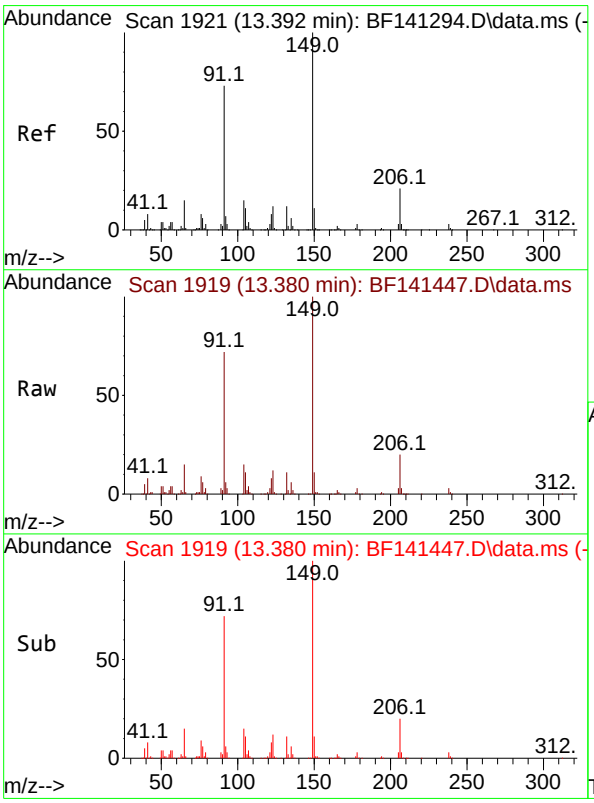
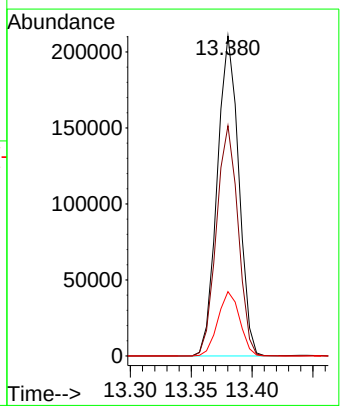
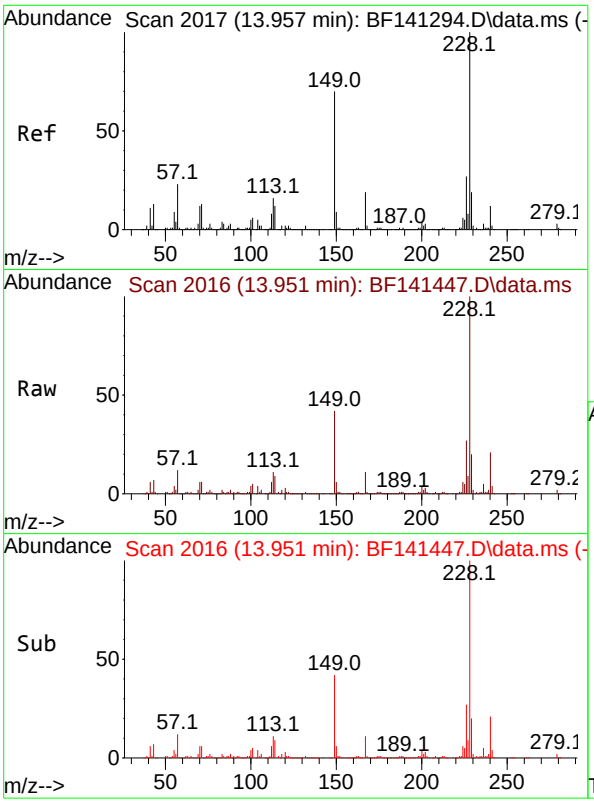


#80
Butylbenzylphthalate
Concen: 40.822 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

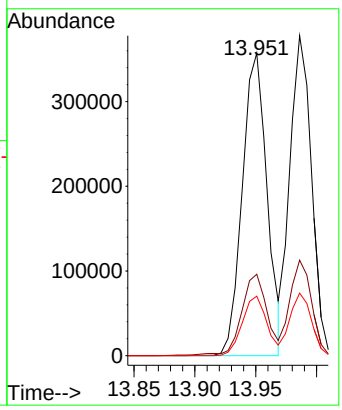




#81
Benzo(a)anthracene
Concen: 38.719 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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 :
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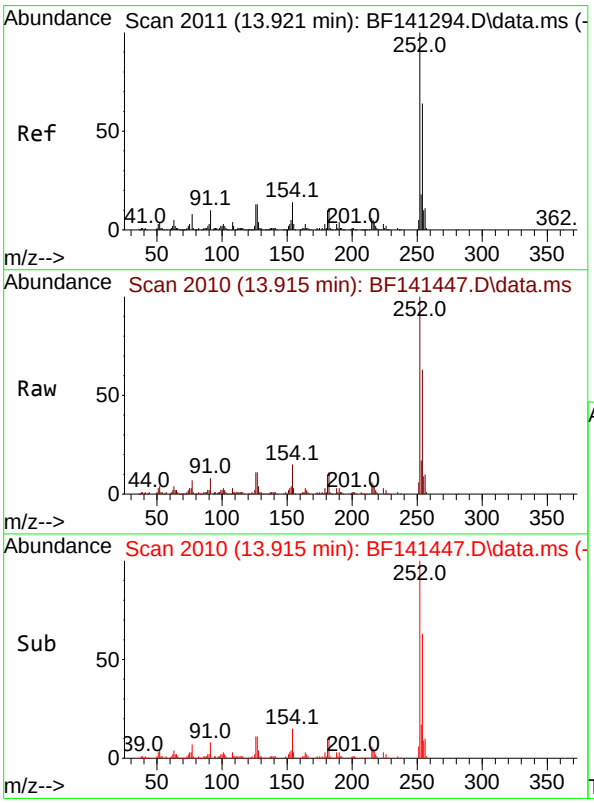
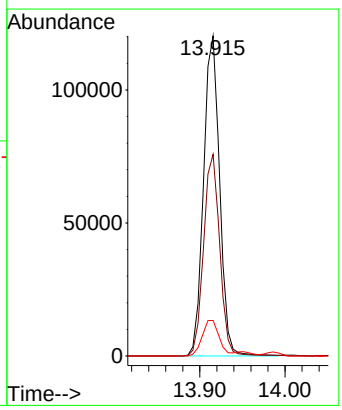
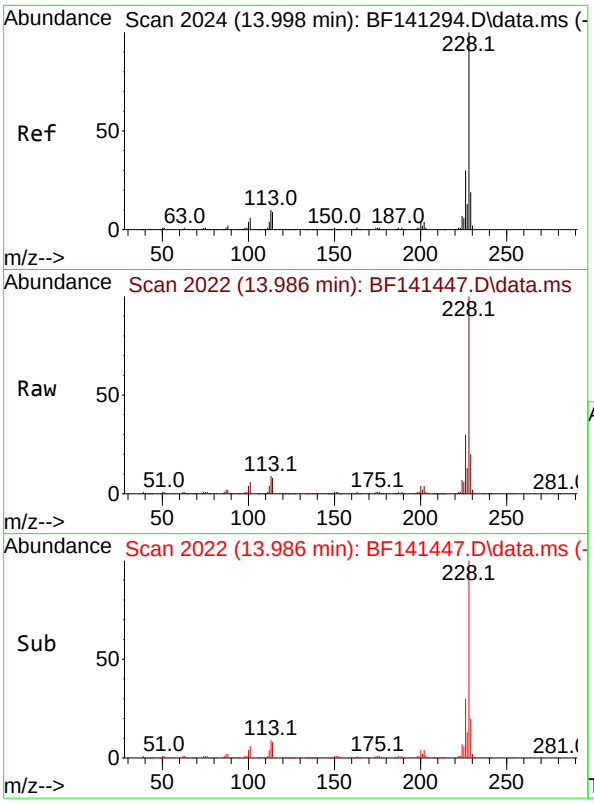


#82
3,3'-Dichlorobenzidine
Concen: 37.967 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

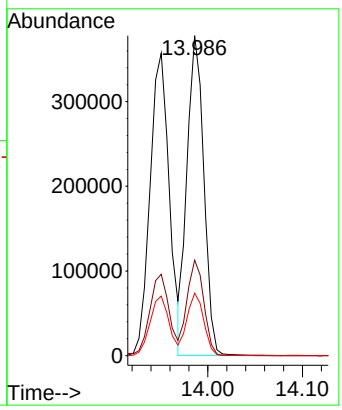




#83
Chrysene
Concen: 39.147 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

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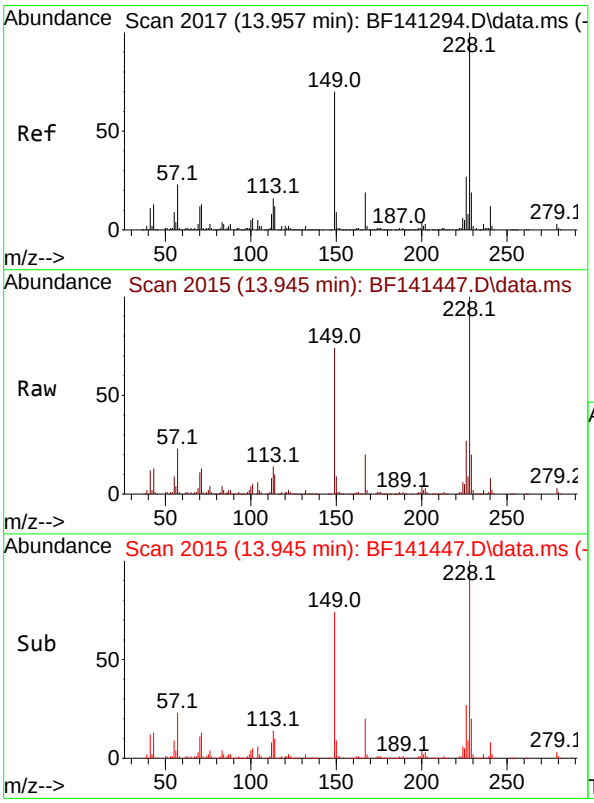
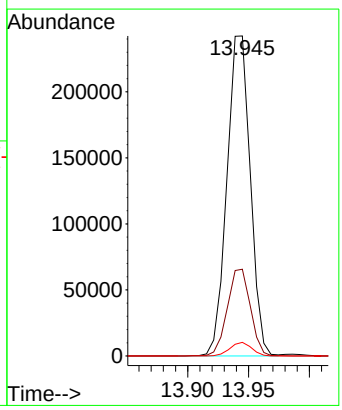
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

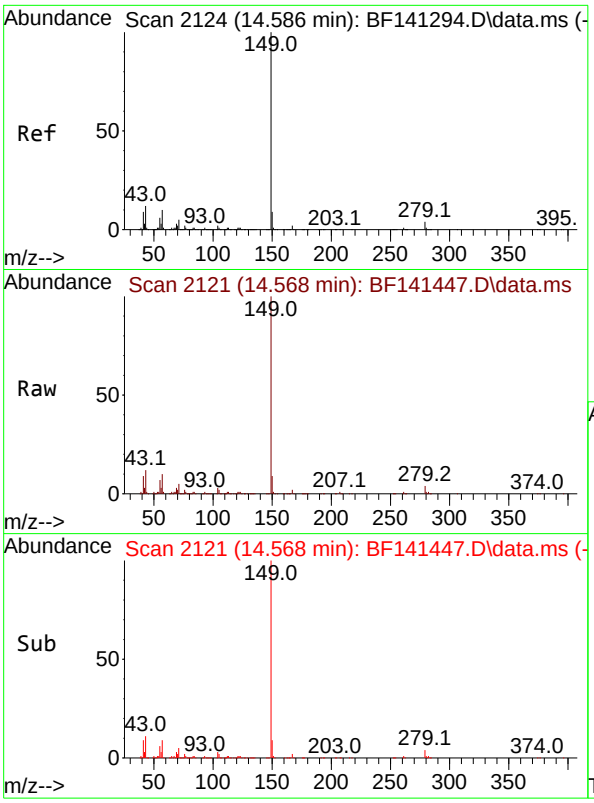


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.283 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

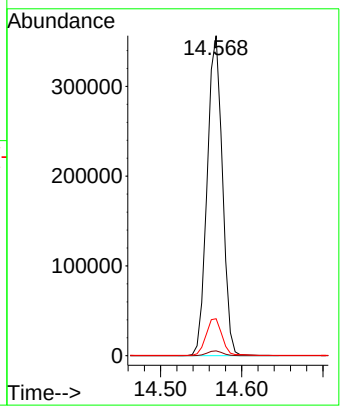
Tgt Ion:149 Resp: 46377

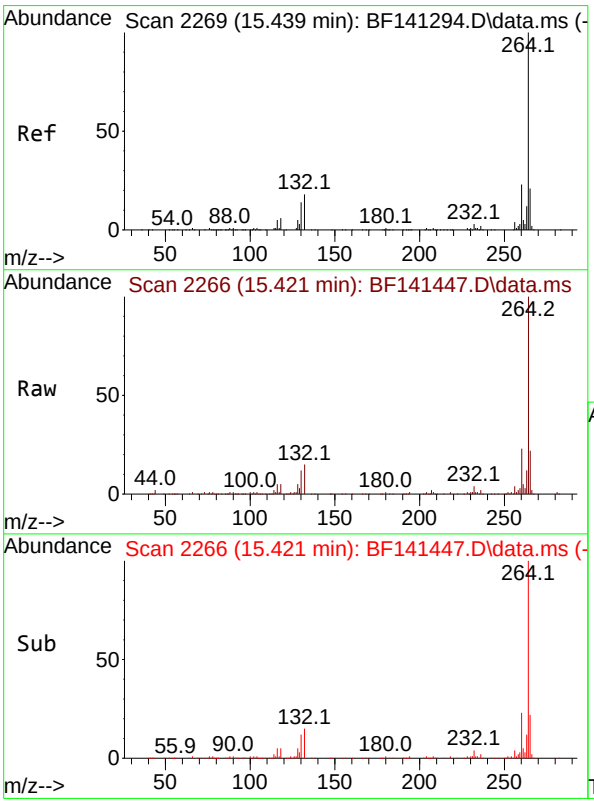
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.0	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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

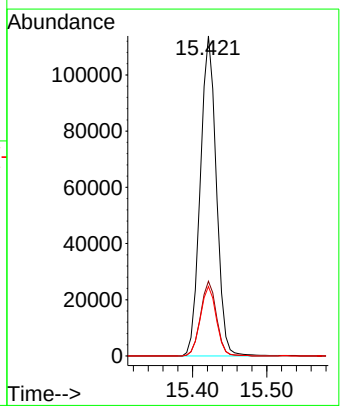


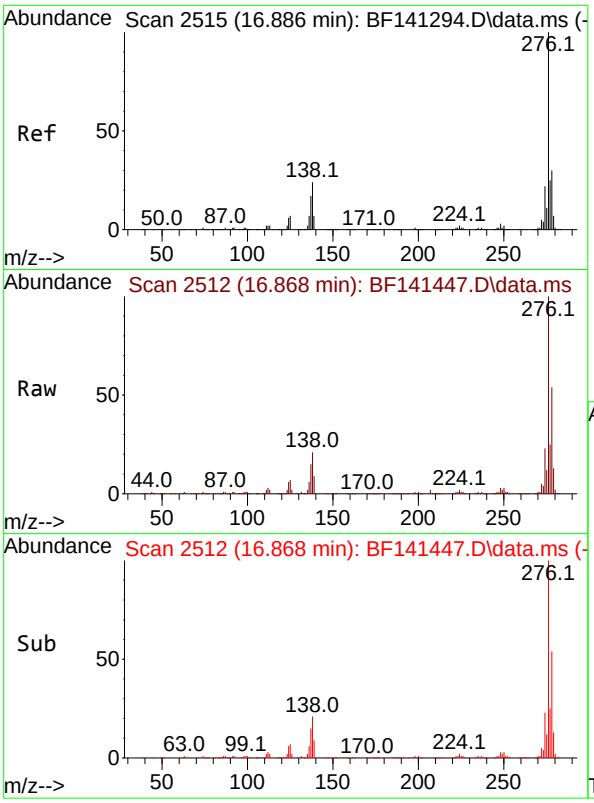


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

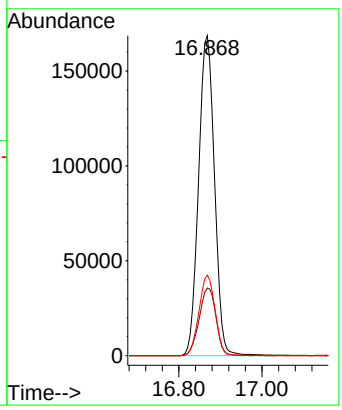




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.777 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:276 Resp: 44987

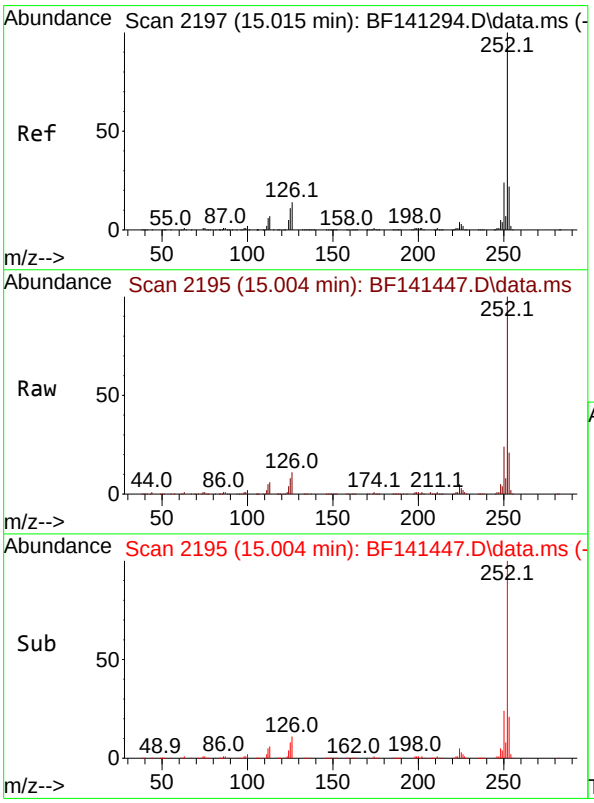
Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

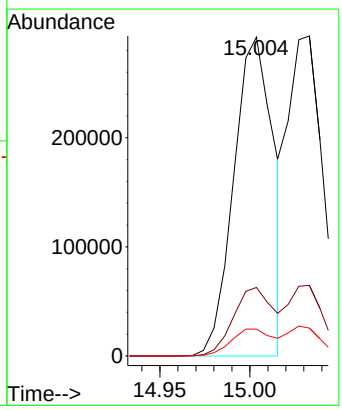
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

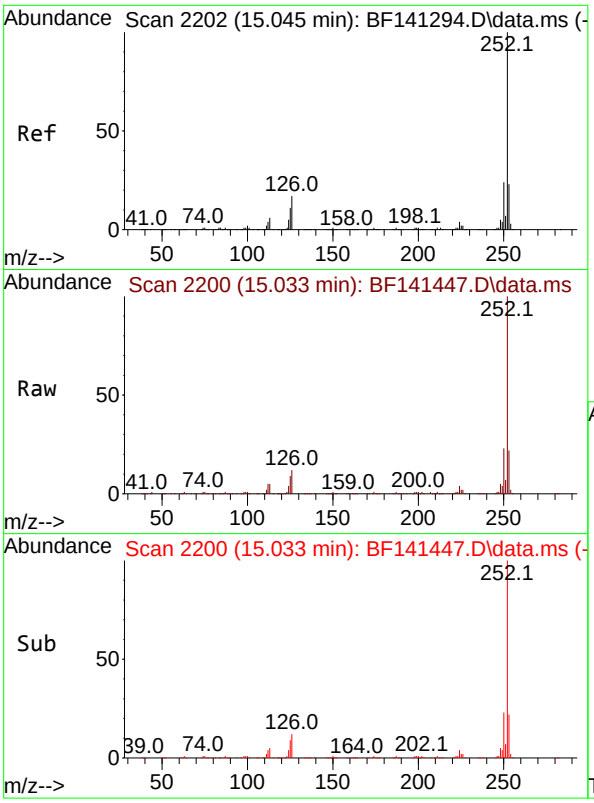


#88
Benzo(b)fluoranthene
Concen: 41.674 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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#

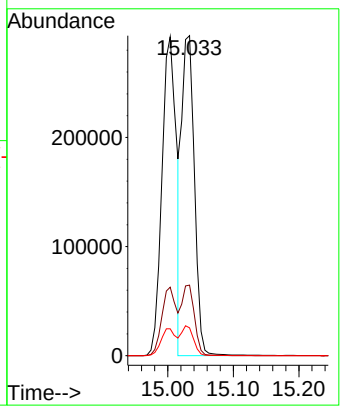




#89
Benzo(k)fluoranthene
Concen: 41.460 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:252 Resp: 39491

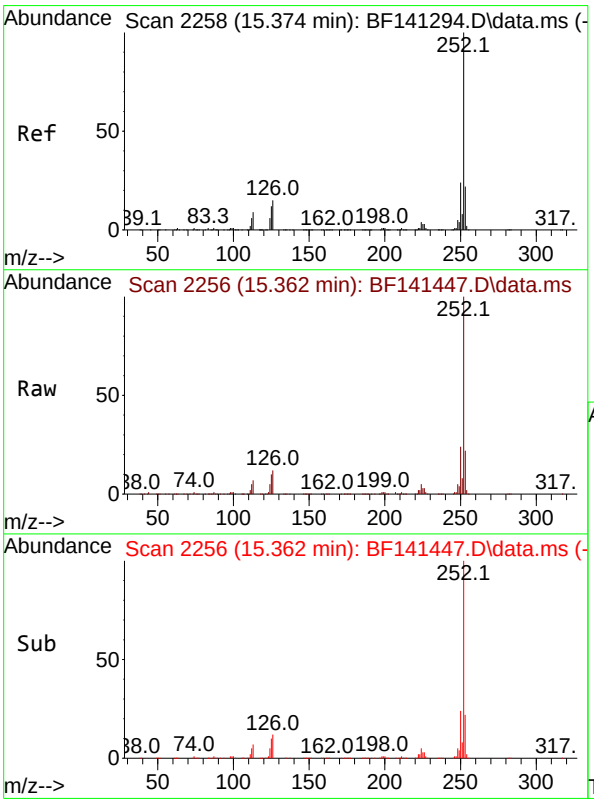
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.7	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

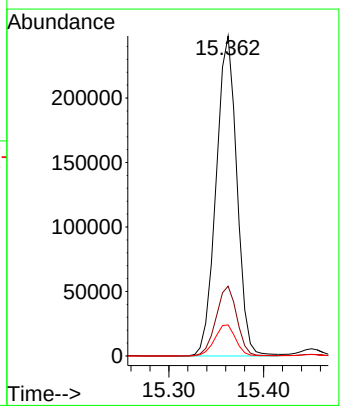
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

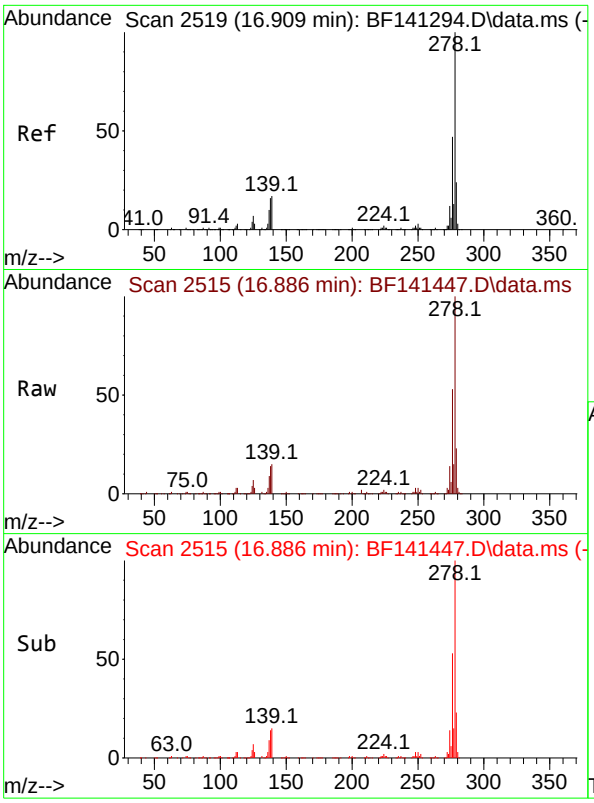


#90
Benzo(a)pyrene
Concen: 41.684 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

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

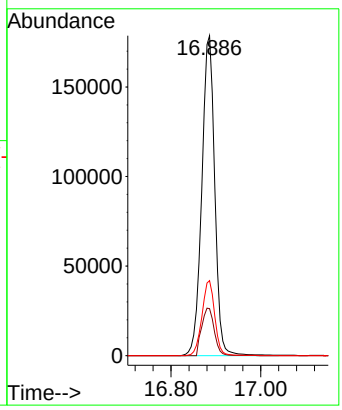




#91
Dibenzo(a,h)anthracene
Concen: 40.350 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:278 Resp: 35815

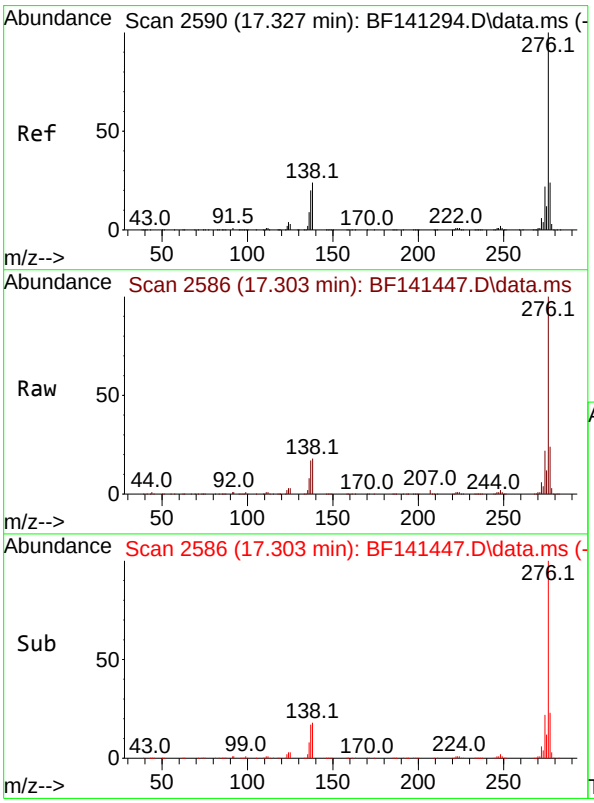
Ion	Ratio	Lower	Upper
278	100		
139	14.7	13.9	20.9
279	23.4	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

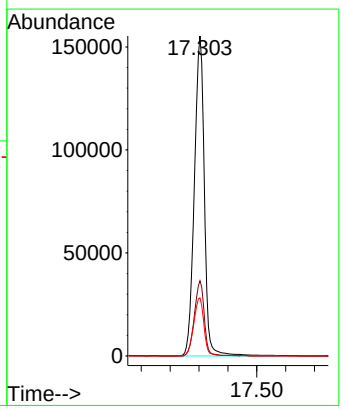
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#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#



Sample Results: **BF141447.D**

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

Sample Results: **BF141447.D**

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

Sample Results: **BF141447.D**

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

Sample Results: **BF141447.D**

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

Sample Results: **BF141447.D**

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

Sample Results: **BF141447.D**

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

Raw Data: **BF141551.D**

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.265		-0.9	
Benzaldehyde	0.857	0.753		-12.1	
Phenol-d6	1.612	1.593		-1.2	
Phenol	1.678	1.648		-1.8	20.0
bis(2-Chloroethyl)ether	1.261	1.246		-1.2	
2-Chlorophenol	1.378	1.375		-0.2	
2-Methylphenol	1.079	1.043		-3.3	
2,2-oxybis(1-Chloropropane)	2.158	2.126		-1.5	
Acetophenone	0.498	0.484		-2.8	
3+4-Methylphenols	1.371	1.332		-2.8	
n-Nitroso-di-n-propylamine	0.964	0.956	0.050	-0.8	
Nitrobenzene-d5	0.383	0.379		-1.0	
Hexachloroethane	0.550	0.547		-0.5	
Nitrobenzene	0.374	0.368		-1.6	
Isophorone	0.611	0.609		-0.3	
2-Nitrophenol	0.186	0.189		1.6	20.0
2,4-Dimethylphenol	0.217	0.221		1.8	
bis(2-Chloroethoxy)methane	0.392	0.398		1.5	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	1.041	1.028		-1.2	
4-Chloroaniline	0.363	0.326		-10.2	
Hexachlorobutadiene	0.192	0.193		0.5	20.0
Caprolactam	0.089	0.091		2.2	
4-Chloro-3-methylphenol	0.325	0.324		-0.3	20.0
2-Methylnaphthalene	0.677	0.671		-0.9	
Hexachlorocyclopentadiene	0.192	0.181	0.050	-5.7	
2,4,6-Trichlorophenol	0.374	0.373		-0.3	20.0
2-Fluorobiphenyl	1.298	1.271		-2.1	
2,4,5-Trichlorophenol	0.405	0.401		-1.0	
1,1-Biphenyl	1.551	1.544		-0.5	
2-Chloronaphthalene	1.147	1.123		-2.1	
2-Nitroaniline	0.385	0.372		-3.4	
Dimethylphthalate	1.358	1.360		0.1	
Acenaphthylene	1.705	1.686		-1.1	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.319	0.310		-2.8	
Acenaphthene	1.147	1.121		-2.3	20.0
2,4-Dinitrophenol	0.176	0.181	0.050	2.8	
4-Nitrophenol	0.237	0.233	0.050	-1.7	

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.: Q1206 SAS No.: Q1206 SDG No.: Q1206

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.653		-1.8	
2,4-Dinitrotoluene	0.395	0.398		0.8	
Diethylphthalate	1.336	1.353		1.3	
4-Chlorophenyl-phenylether	0.626	0.620		-1.0	
Fluorene	1.301	1.291		-0.8	
4-Nitroaniline	0.324	0.324		0.0	
4,6-Dinitro-2-methylphenol	0.139	0.139		0.0	
n-Nitrosodiphenylamine	0.640	0.634		-0.9	20.0
2,4,6-Tribromophenol	0.201	0.201		0.0	
4-Bromophenyl-phenylether	0.224	0.226		0.9	
Hexachlorobenzene	0.230	0.230		0.0	
Atrazine	0.192	0.174		-9.4	
Pentachlorophenol	0.147	0.147		0.0	20.0
Phenanthrene	1.101	1.067		-3.1	
Anthracene	1.107	1.091		-1.4	
Carbazole	0.996	0.961		-3.5	
Di-n-butylphthalate	1.150	1.169		1.7	
Fluoranthene	1.167	1.112		-4.7	20.0
Pyrene	1.703	1.914		12.4	
Terphenyl-d14	1.185	1.330		12.2	
Butylbenzylphthalate	0.590	0.654		10.8	
3,3-Dichlorobenzidine	0.381	0.368		-3.4	
Benzo(a)anthracene	1.329	1.313		-1.2	
Chrysene	1.228	1.216		-1.0	
Bis(2-ethylhexyl)phthalate	0.665	0.741		11.4	
Di-n-octyl phthalate	0.949	1.040		9.6	20.0
Benzo(b)fluoranthene	1.343	1.314		-2.2	
Benzo(k)fluoranthene	1.147	1.062		-7.4	
Benzo(a)pyrene	1.087	1.065		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.357		9.8	
Dibenzo(a,h)anthracene	1.001	1.106		10.5	
Benzo(g,h,i)perylene	1.048	1.156		10.3	
1,2,4,5-Tetrachlorobenzene	0.579	0.575		-0.7	
1,4-Dioxane	0.513	0.499		-2.7	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.348		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	100982	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	399334	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	220290	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	380364	20.000	ng	0.00
76) Chrysene-d12	13.957	240	221485	20.000	ng	0.00
86) Perylene-d12	15.410	264	189149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	511150	79.356	ng	0.00
7) Phenol-d6	6.434	99	643479	79.040	ng	0.00
23) Nitrobenzene-d5	7.357	82	605988	79.150	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	176794	79.892	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1120127	78.338	ng	0.00
79) Terphenyl-d14	12.898	244	1178679	89.840	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	100747	38.862	ng	99
3) Pyridine	3.216	79	247438	40.110	ng	100
4) n-Nitrosodimethylamine	3.169	42	157380	38.528	ng	98
6) Aniline	6.451	93	302324	39.588	ng	92
8) 2-Chlorophenol	6.581	128	277627	39.889	ng	99
9) Benzaldehyde	6.340	77	152087	35.155	ng	100
10) Phenol	6.445	94	332783	39.274	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	251570	39.527	ng	99
12) 1,3-Dichlorobenzene	6.728	146	294127	40.029	ng	98
13) 1,4-Dichlorobenzene	6.810	146	296503	39.495	ng	98
14) 1,2-Dichlorobenzene	6.963	146	276132	39.630	ng	100
15) Benzyl Alcohol	6.934	79	248245	39.763	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	429398	39.413	ng	98
17) 2-Methylphenol	7.051	107	210577	38.662	ng	99
18) Hexachloroethane	7.298	117	110474	39.762	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	193046	39.642	ng	97
20) 3+4-Methylphenols	7.204	107	269006	38.863	ng	95
22) Acetophenone	7.204	105	386258	38.884	ng	100
24) Nitrobenzene	7.375	77	294305	39.421	ng	99
25) Isophorone	7.616	82	486718	39.870	ng	99
26) 2-Nitrophenol	7.692	139	151129	40.688	ng	96
27) 2,4-Dimethylphenol	7.734	122	176787	40.742	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	317603	40.602	ng	100
29) 2,4-Dichlorophenol	7.939	162	235725	40.207	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	254617	39.881	ng	99
31) Naphthalene	8.098	128	820994	39.496	ng	100
32) Benzoic acid	7.863	122	171762	38.109	ng	100
33) 4-Chloroaniline	8.145	127	260705	35.922	ng	99
34) Hexachlorobutadiene	8.210	225	154125	40.212	ng	99
35) Caprolactam	8.522	113	72868	40.821	ng	96
36) 4-Chloro-3-methylphenol	8.634	107	258721	39.838	ng	99
37) 2-Methylnaphthalene	8.786	142	535507	39.589	ng	99
38) 1-Methylnaphthalene	8.886	142	513186	39.172	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	253153	39.721	ng	100
41) Hexachlorocyclopentadiene	8.934	237	79719	37.607	ng	97
43) 2,4,6-Trichlorophenol	9.069	196	164418	39.916	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

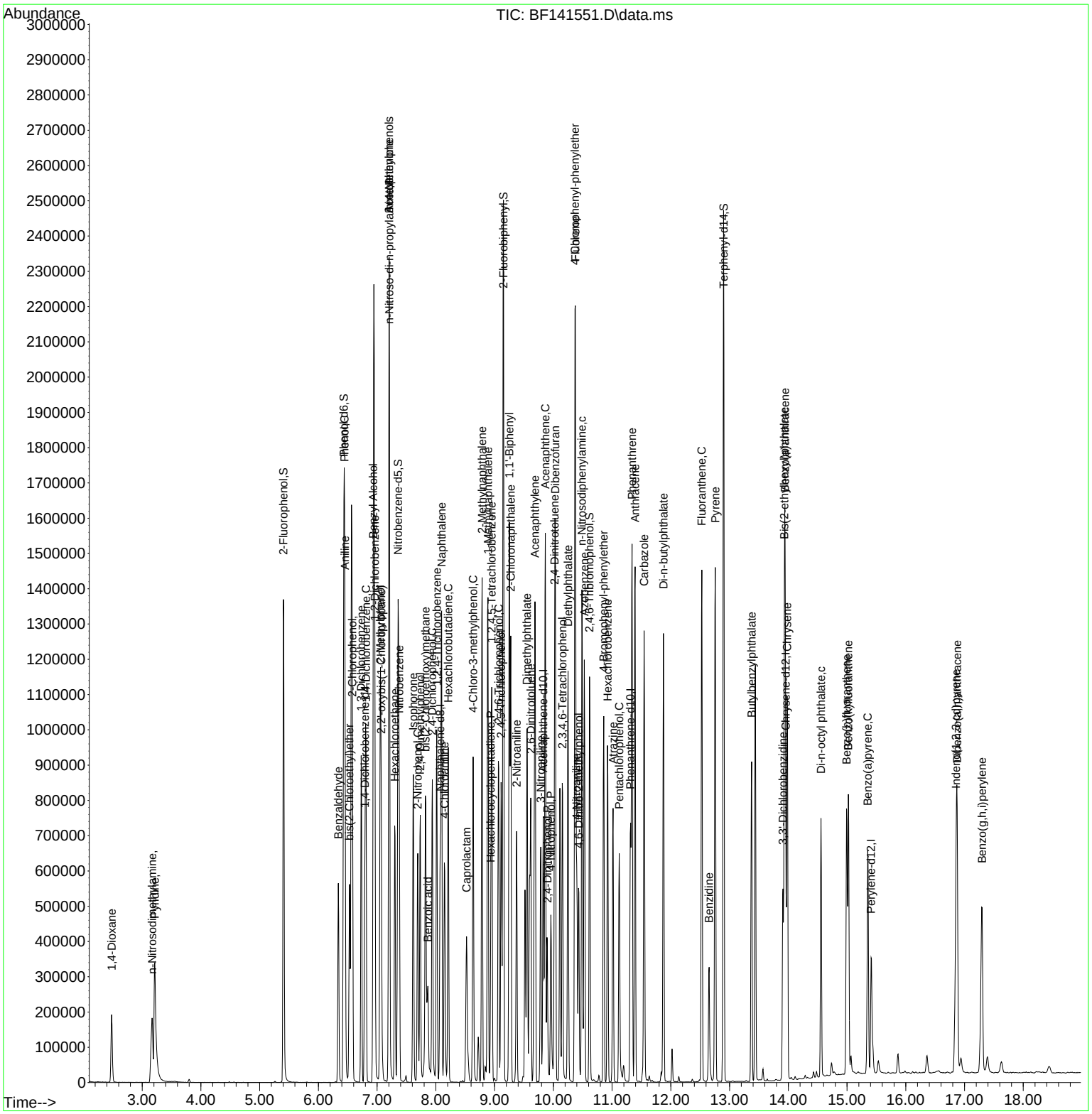
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	176666	39.574	ng	98
46) 1,1'-Biphenyl	9.251	154	680211	39.828	ng	100
47) 2-Chloronaphthalene	9.275	162	494742	39.175	ng	100
48) 2-Nitroaniline	9.375	65	163823	38.652	ng	95
49) Acenaphthylene	9.686	152	742913	39.549	ng	99
50) Dimethylphthalate	9.551	163	598973	40.052	ng	99
51) 2,6-Dinitrotoluene	9.616	165	129812	39.707	ng	99
52) Acenaphthene	9.863	154	494087	39.125	ng	99
53) 3-Nitroaniline	9.786	138	136720	38.855	ng	98
54) 2,4-Dinitrophenol	9.898	184	79744	41.042	ng	90
55) Dibenzofuran	10.033	168	728307	39.291	ng	100
56) 4-Nitrophenol	9.957	139	102589	39.275	ng	97
57) 2,4-Dinitrotoluene	10.022	165	175460	40.316	ng	99
58) Fluorene	10.375	166	568620	39.674	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	153425	39.919	ng	97
60) Diethylphthalate	10.251	149	596031	40.508	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	273368	39.647	ng	99
62) 4-Nitroaniline	10.398	138	142801	39.968	ng	98
63) Azobenzene	10.528	77	583738	39.907	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	105582	39.960	ng	94
66) n-Nitrosodiphenylamine	10.486	169	482640	39.639	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	172060	40.475	ng	98
68) Hexachlorobenzene	10.922	284	174724	39.915	ng	96
69) Atrazine	11.016	200	132082	36.159	ng	99
70) Pentachlorophenol	11.122	266	111889	39.974	ng	99
71) Phenanthrene	11.339	178	811492	38.758	ng	100
72) Anthracene	11.392	178	830102	39.440	ng	100
73) Carbazole	11.545	167	730698	38.584	ng	100
74) Di-n-butylphthalate	11.875	149	889622	40.683	ng	100
75) Fluoranthene	12.527	202	846154	38.119	ng	100
77) Benzidine	12.651	184	187856	38.458	ng	99
78) Pyrene	12.757	202	847654	44.958	ng	99
80) Butylbenzylphthalate	13.374	149	289726	44.364	ng	99
81) Benzo(a)anthracene	13.945	228	581807	39.517	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	162839	38.611	ng	98
83) Chrysene	13.980	228	538648	39.623	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	328143	44.551	ng	99
85) Di-n-octyl phthalate	14.557	149	460738	43.848	ng	100
87) Indeno(1,2,3-cd)pyrene	16.857	276	513192	43.910	ng	100
88) Benzo(b)fluoranthene	14.992	252	496986	39.131	ng	99
89) Benzo(k)fluoranthene	15.021	252	401654	37.036	ng	99
90) Benzo(a)pyrene	15.351	252	403008	39.215	ng	99
91) Dibenzo(a,h)anthracene	16.874	278	418333	44.174	ng	99
92) Benzo(g,h,i)perylene	17.298	276	437196	44.116	ng	99

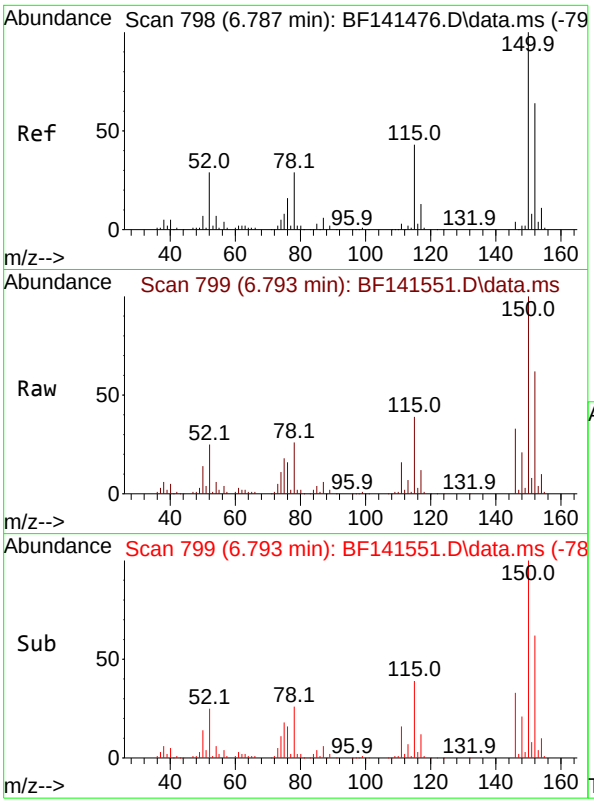
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



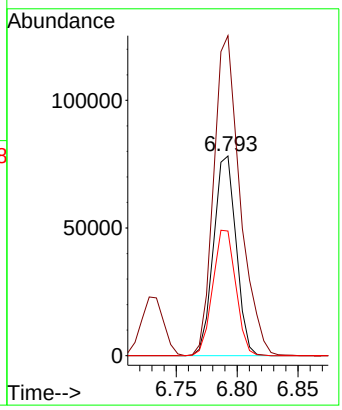


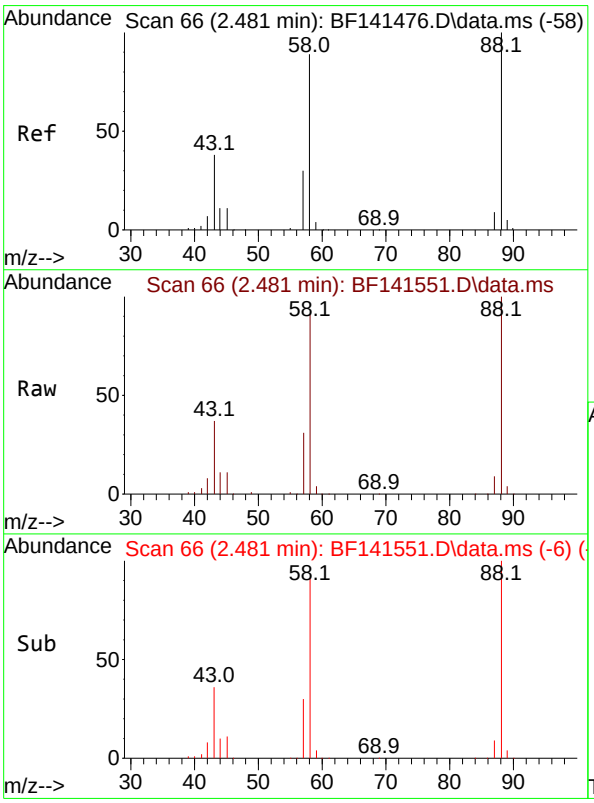
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 100982

Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.0	187.4
115	62.4	53.6	80.4

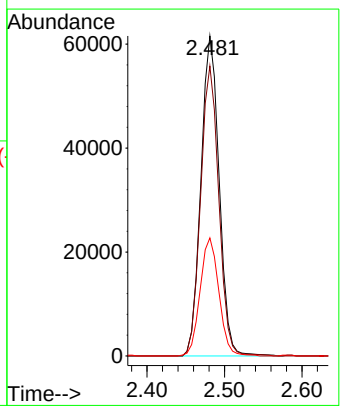


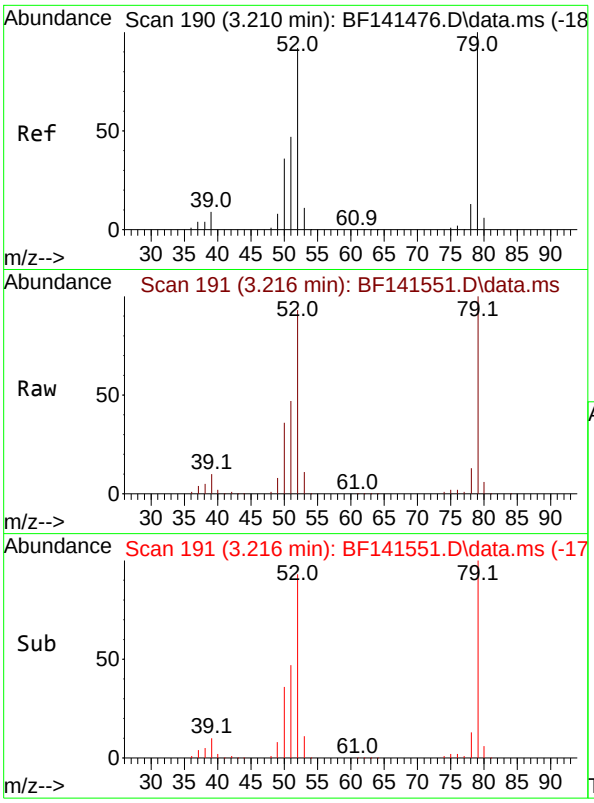


#2
1,4-Dioxane
Concen: 38.862 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 88 Resp: 100747

Ion	Ratio	Lower	Upper
88	100		
58	90.3	71.1	106.7
43	38.0	30.6	46.0



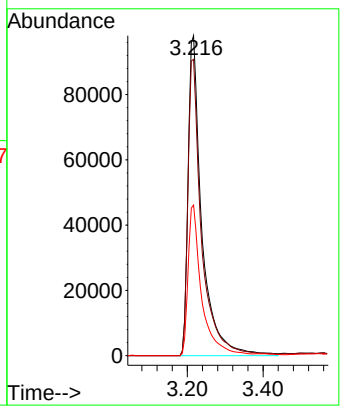


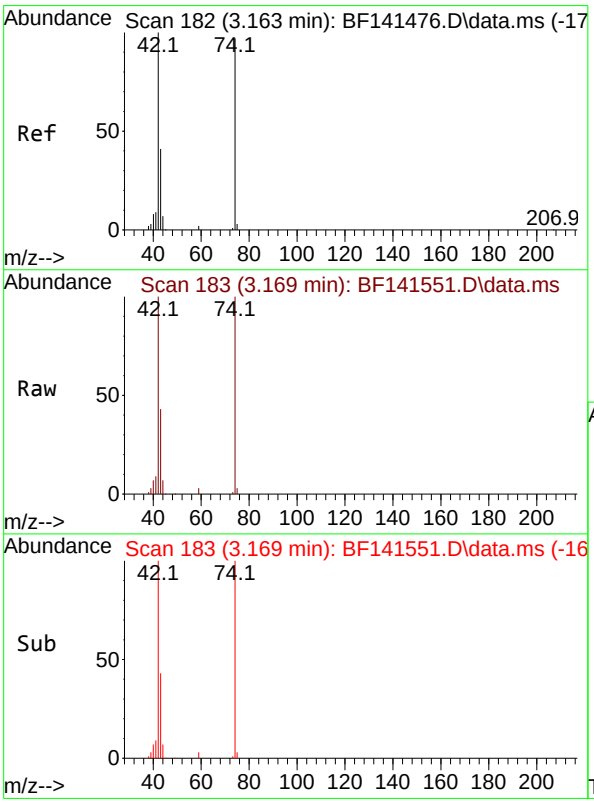
#3
Pyridine
Concen: 40.110 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 247438

Ion	Ratio	Lower	Upper
79	100		
52	92.6	73.7	110.5
51	47.1	37.5	56.3

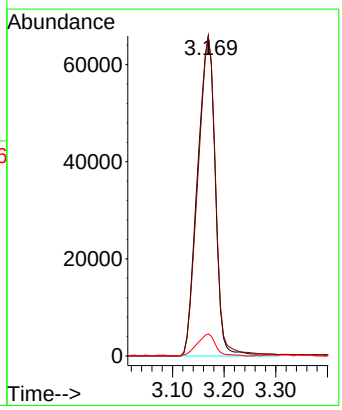


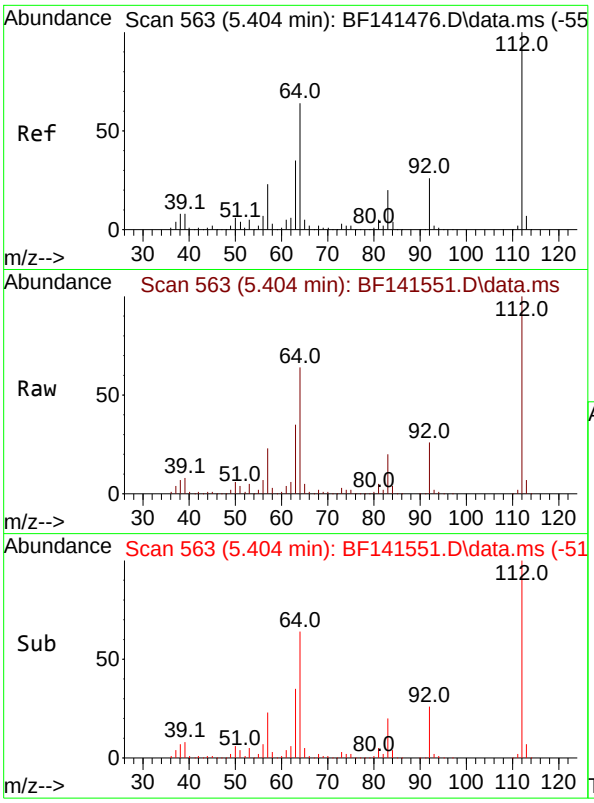


#4
n-Nitrosodimethylamine
Concen: 38.528 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 42 Resp: 157380

Ion	Ratio	Lower	Upper
42	100		
74	99.9	78.0	117.0
44	6.9	5.4	8.2



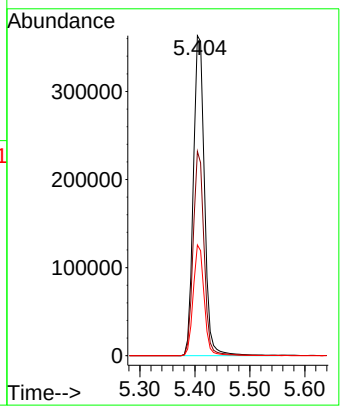


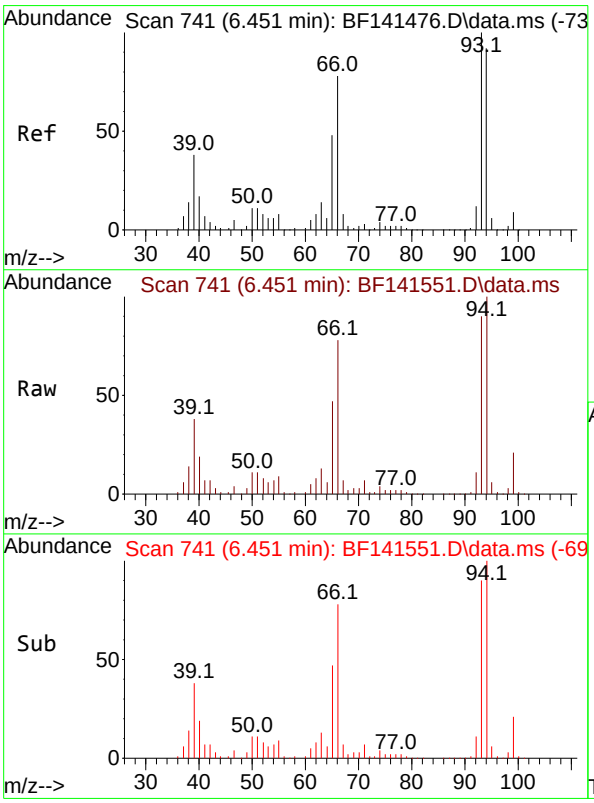
#5
2-Fluorophenol
Concen: 79.356 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 511150

Ion	Ratio	Lower	Upper
112	100		
64	63.8	51.1	76.7
63	34.6	28.4	42.6

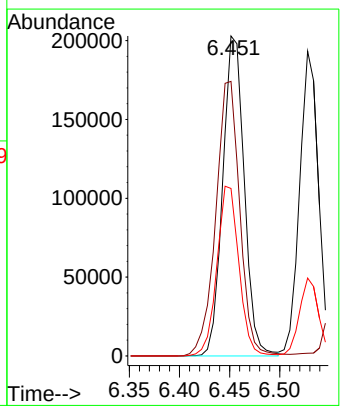


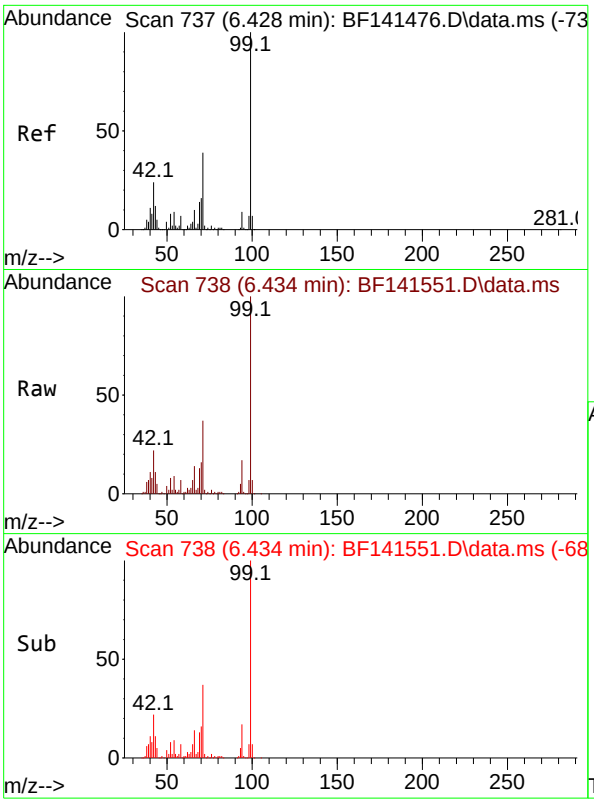


#6
Aniline
Concen: 39.588 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 93 Resp: 302324

Ion	Ratio	Lower	Upper
93	100		
66	85.8	62.6	94.0
65	52.3	38.3	57.5



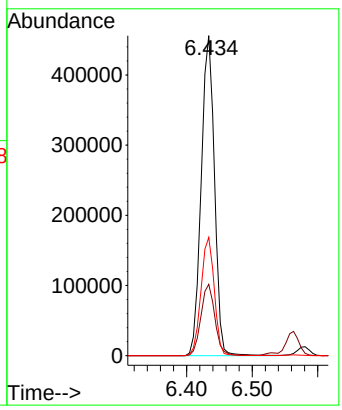


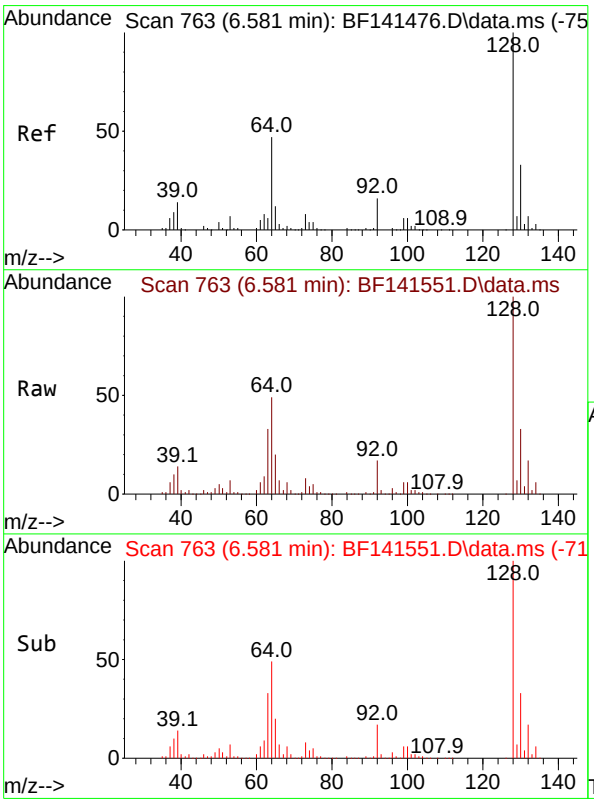
#7
Phenol-d6
Concen: 79.040 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 643479

Ion	Ratio	Lower	Upper
99	100		
42	22.3	19.1	28.7
71	37.0	31.1	46.7

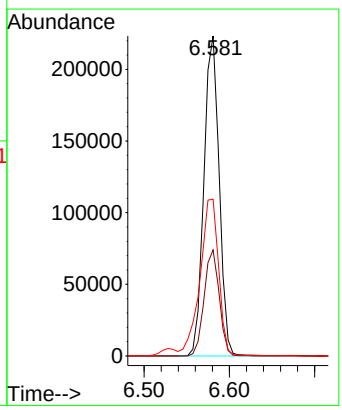


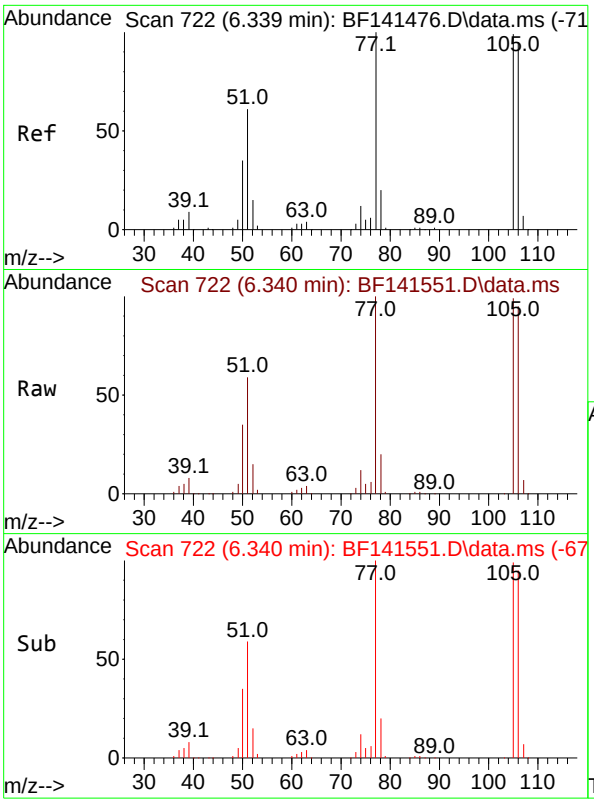


#8
2-Chlorophenol
Concen: 39.889 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:128 Resp: 277627

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.7	52.7
64	49.0	28.3	68.3



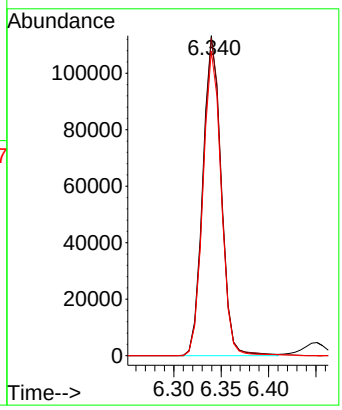


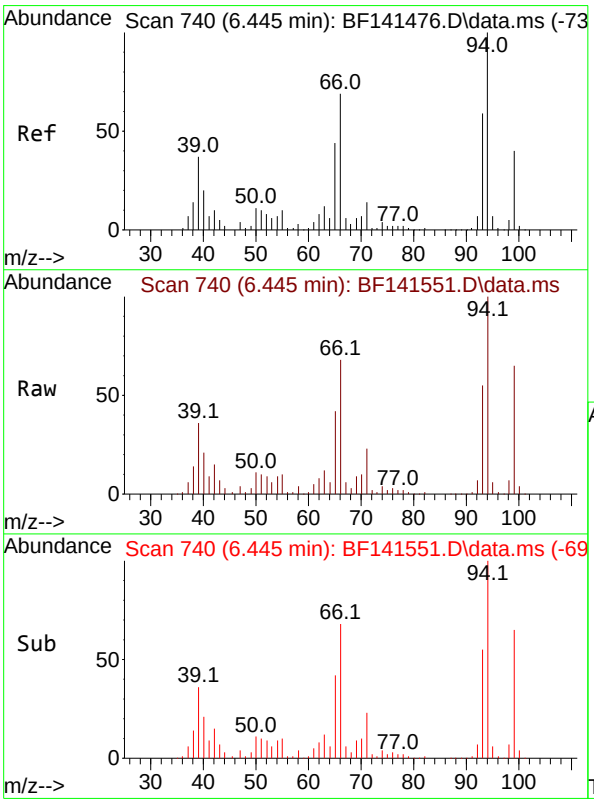
#9
Benzaldehyde
Concen: 35.155 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 152087

Ion	Ratio	Lower	Upper
77	100		
105	99.3	79.4	119.4
106	95.2	75.1	115.1

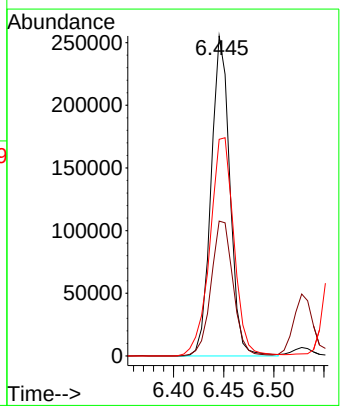


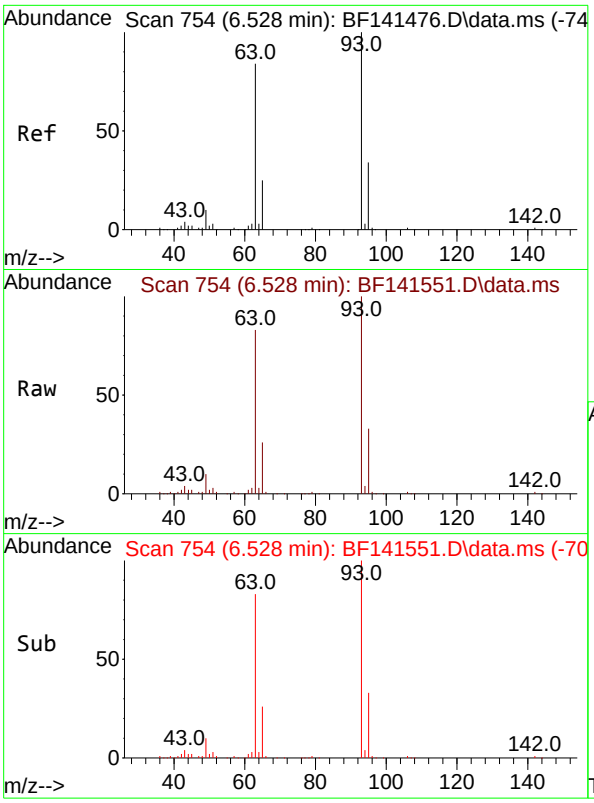


#10
Phenol
Concen: 39.274 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 94 Resp: 332783

Ion	Ratio	Lower	Upper
94	100		
65	42.2	23.7	63.7
66	67.7	49.3	89.3



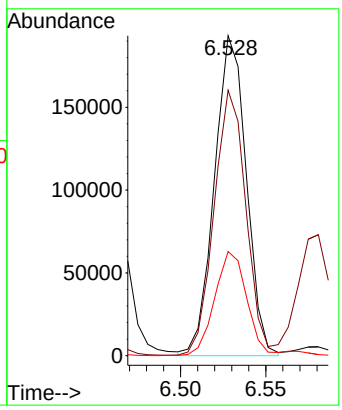


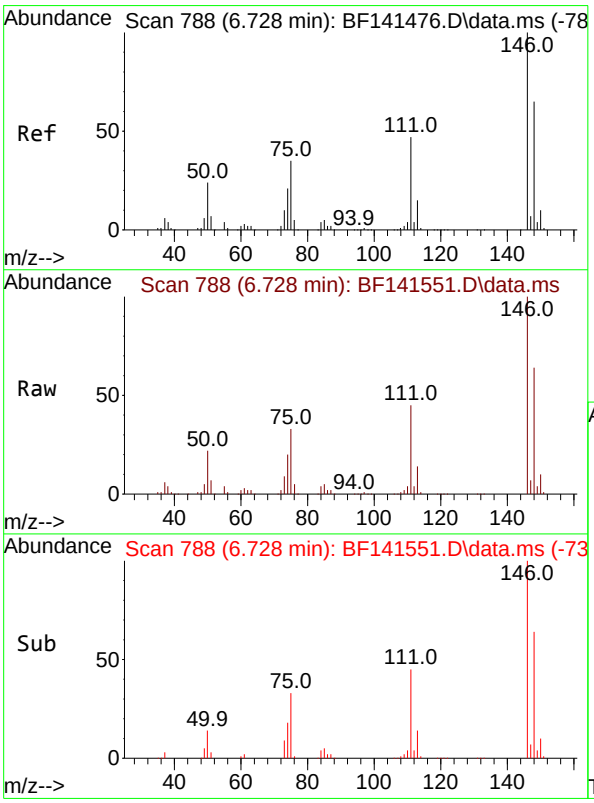
#11
bis(2-Chloroethyl)ether
Concen: 39.527 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 251570

Ion	Ratio	Lower	Upper
93	100		
63	82.9	62.0	102.0
95	32.6	12.6	52.6

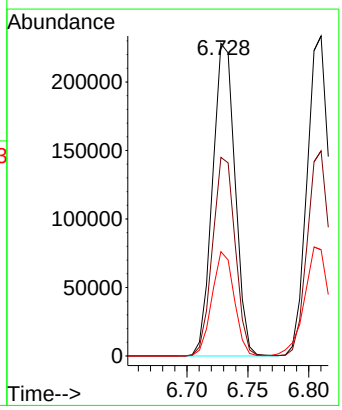


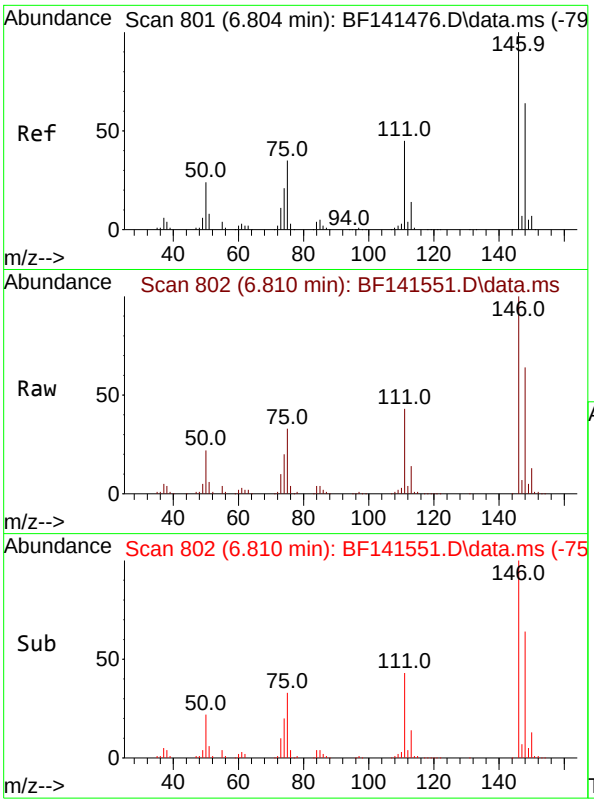


#12
1,3-Dichlorobenzene
Concen: 40.029 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:146 Resp: 294127

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
75	33.4	28.2	42.2



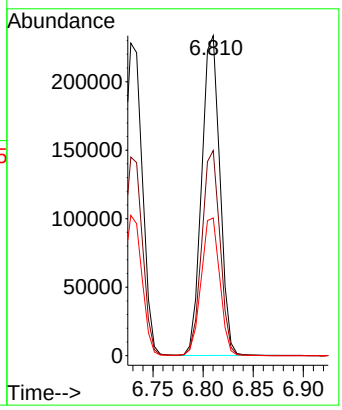


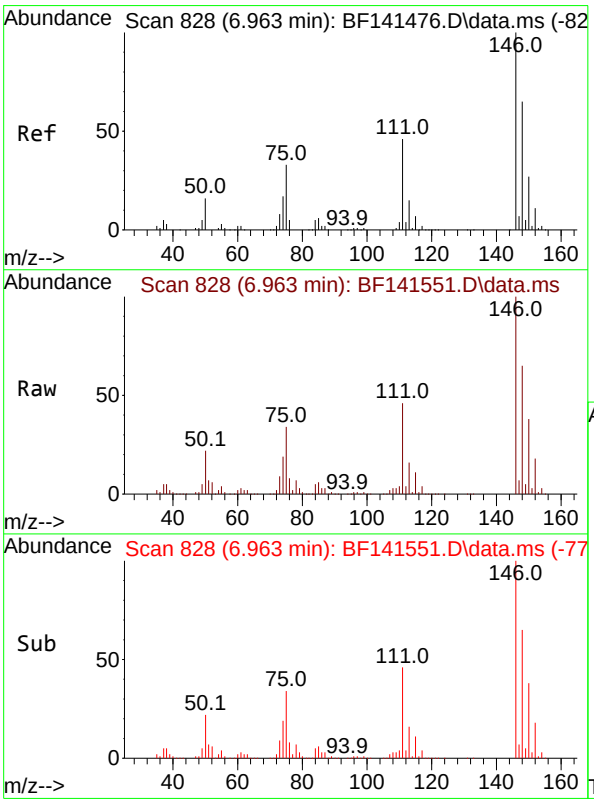
#13
1,4-Dichlorobenzene
Concen: 39.495 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 296503

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.9	76.3
111	43.1	35.9	53.9

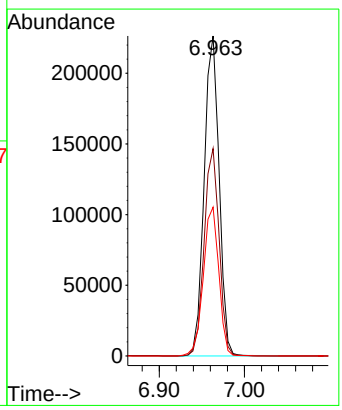


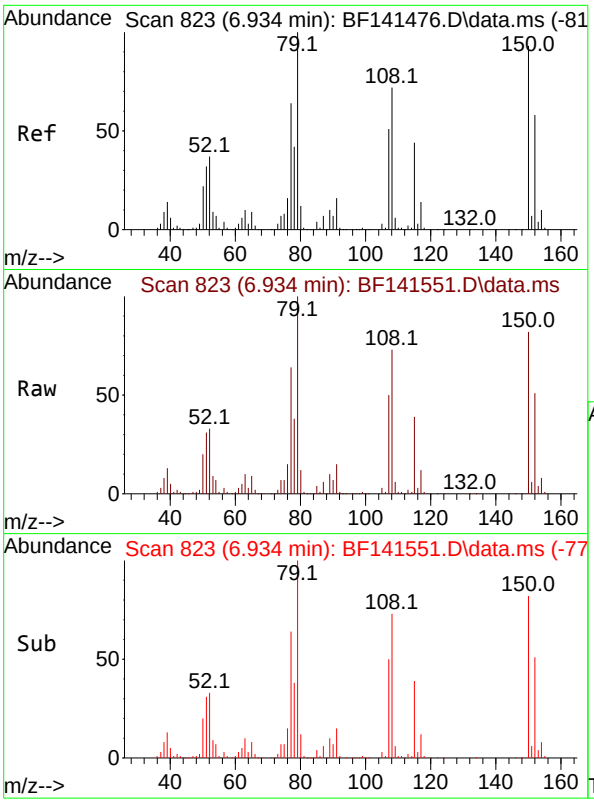


#14
1,2-Dichlorobenzene
Concen: 39.630 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:146 Resp: 276132

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
111	46.5	37.0	55.4



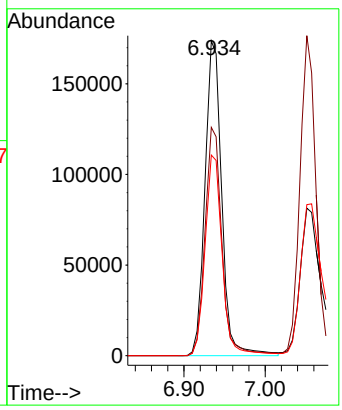


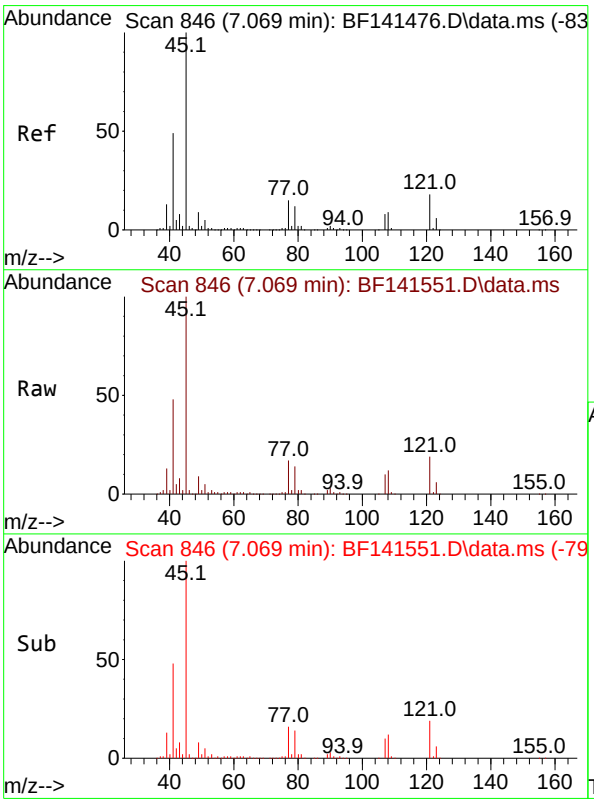
#15
Benzyl Alcohol
Concen: 39.763 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 248245

Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.4	86.2
77	63.8	50.9	76.3

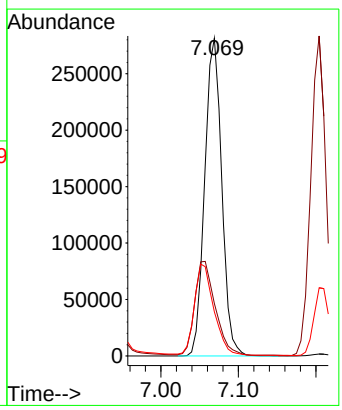


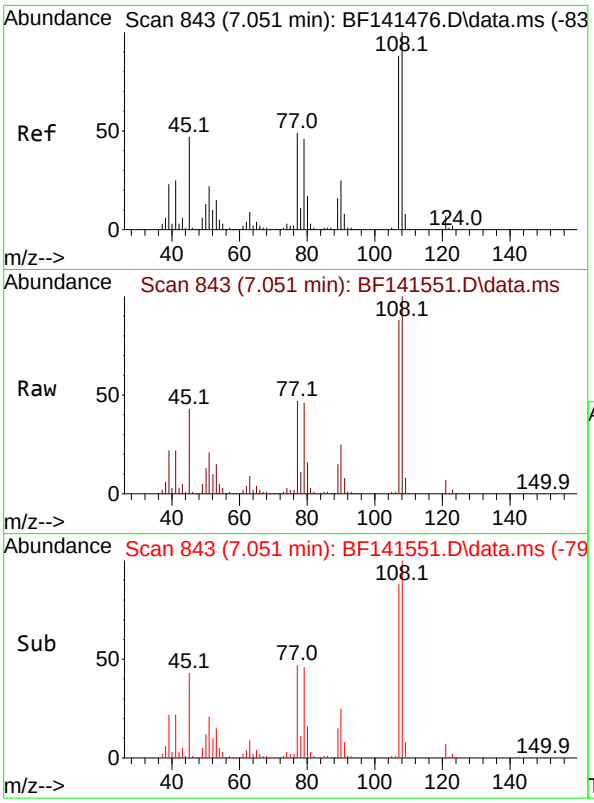


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.413 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 45 Resp: 429398

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	35.8
79	13.9	0.0	32.7



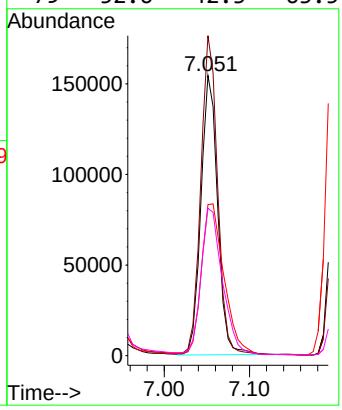


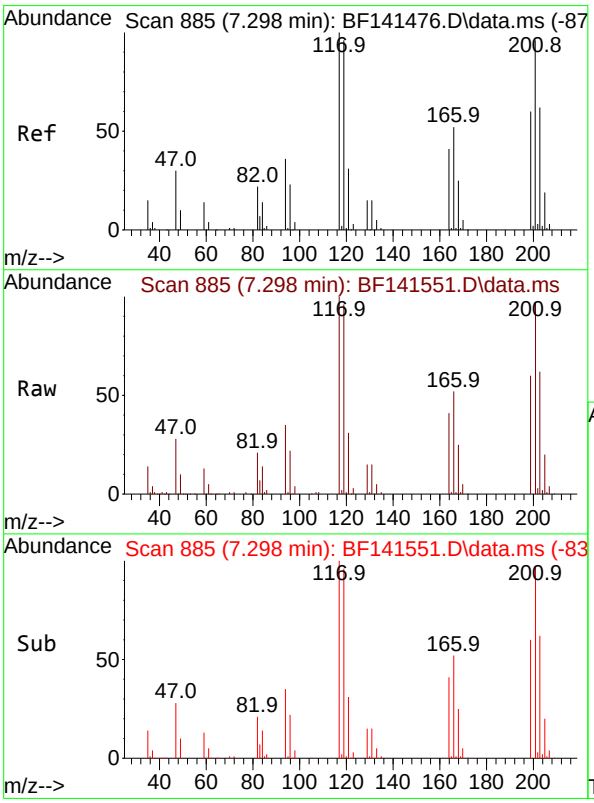
#17
2-Methylphenol
Concen: 38.662 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 210577

Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	53.9	44.4	66.6
79	52.6	42.3	63.5

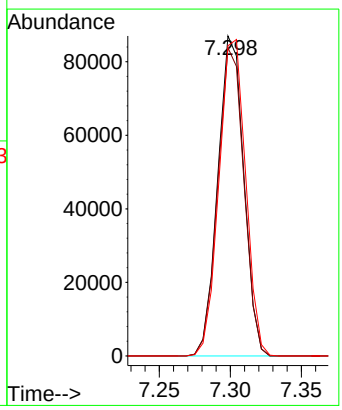


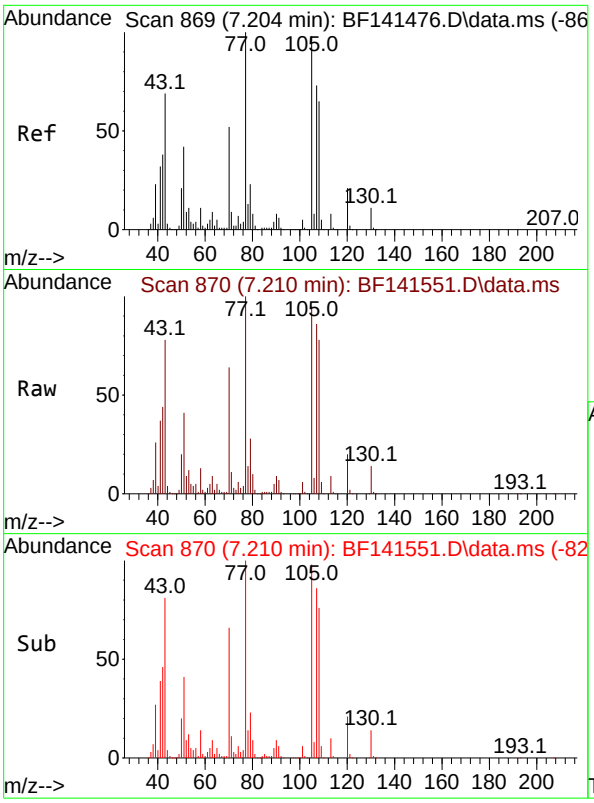


#18
Hexachloroethane
Concen: 39.762 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:117 Resp: 110474

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.5	114.7
201	97.0	76.7	115.1



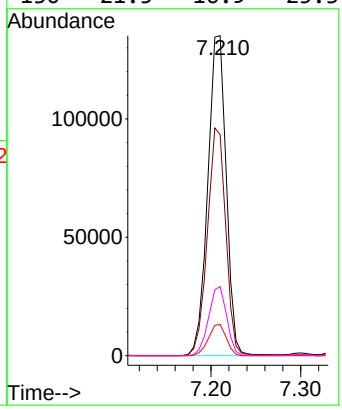


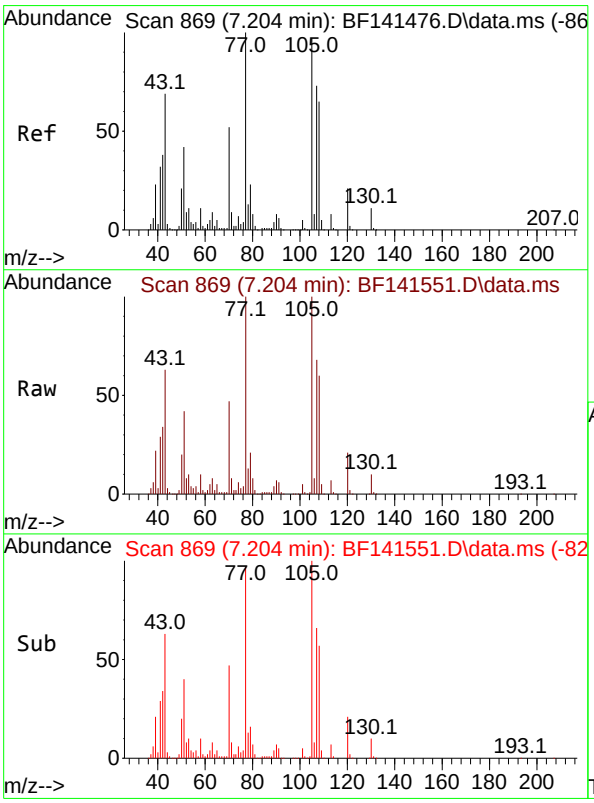
#19
n-Nitroso-di-n-propylamine
Concen: 39.642 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 193046

Ion	Ratio	Lower	Upper
70	100		
42	69.1	57.4	86.2
101	9.7	8.0	12.0
130	21.5	16.9	25.3

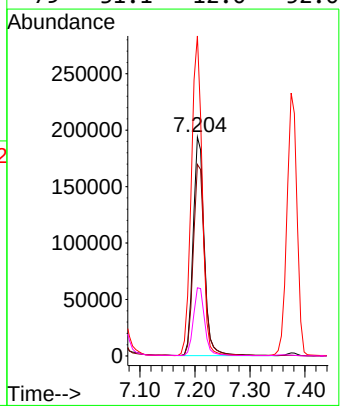


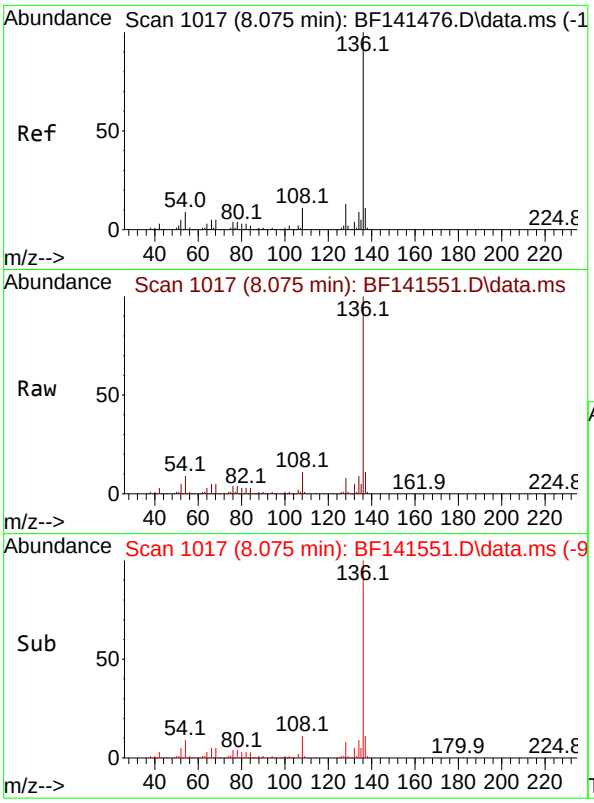


#20
3+4-Methylphenols
Concen: 38.863 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:107 Resp: 269006

Ion	Ratio	Lower	Upper
107	100		
108	87.5	68.5	108.5
77	146.2	116.5	156.5
79	31.1	12.0	52.0



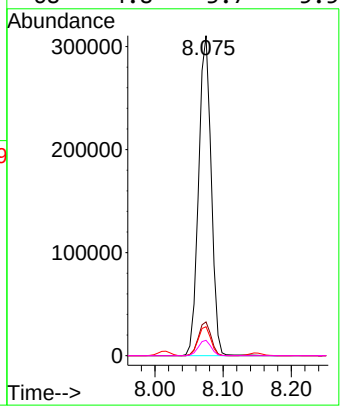


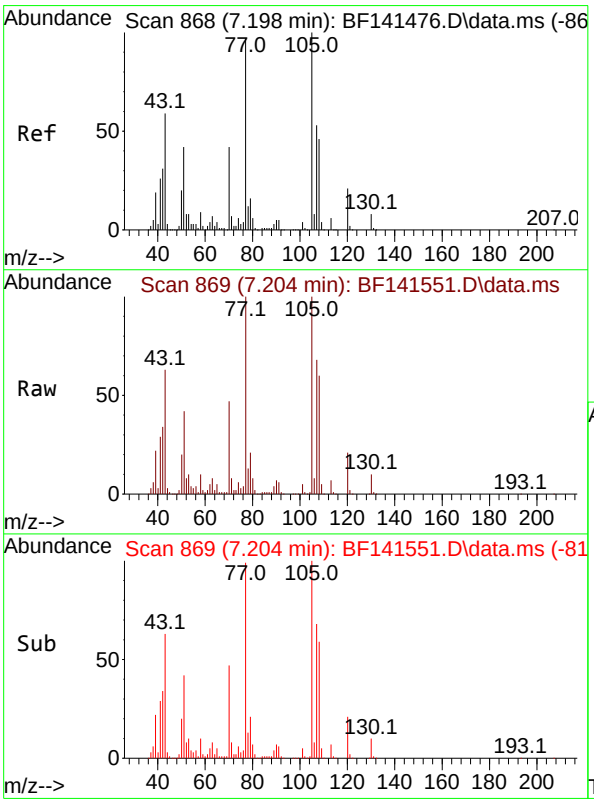
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 399334

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.1	7.2	10.8
68	4.8	3.7	5.5

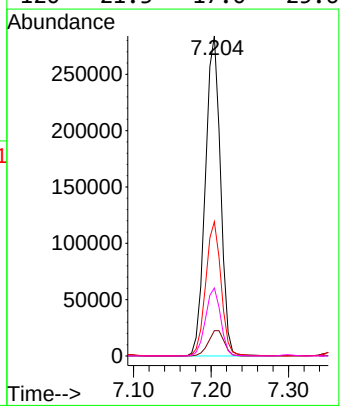


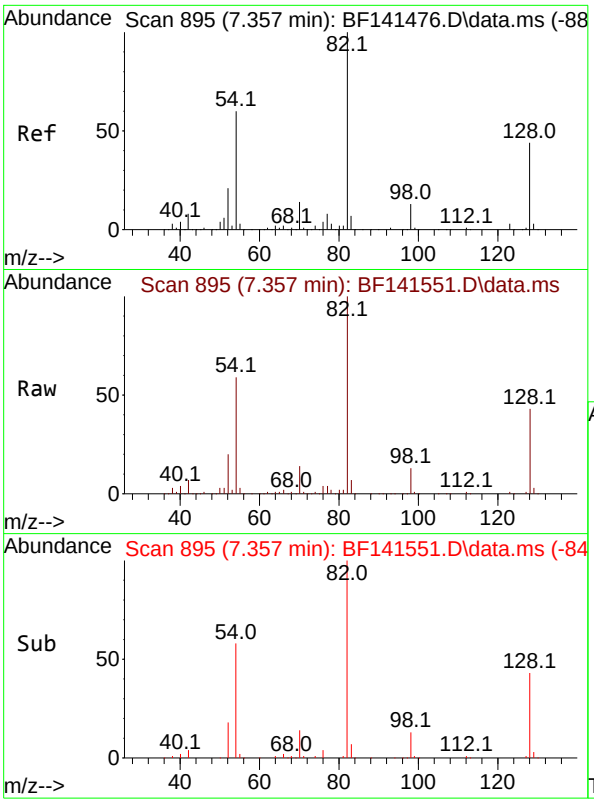


#22
Acetophenone
Concen: 38.884 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:105 Resp: 386258

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.7	8.5
51	41.9	33.7	50.5
120	21.3	17.0	25.6



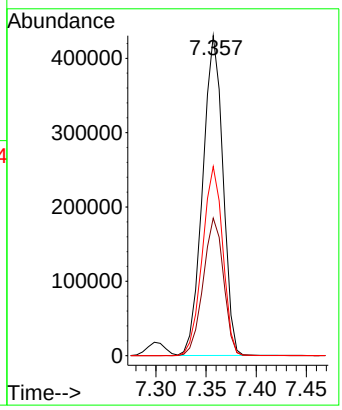


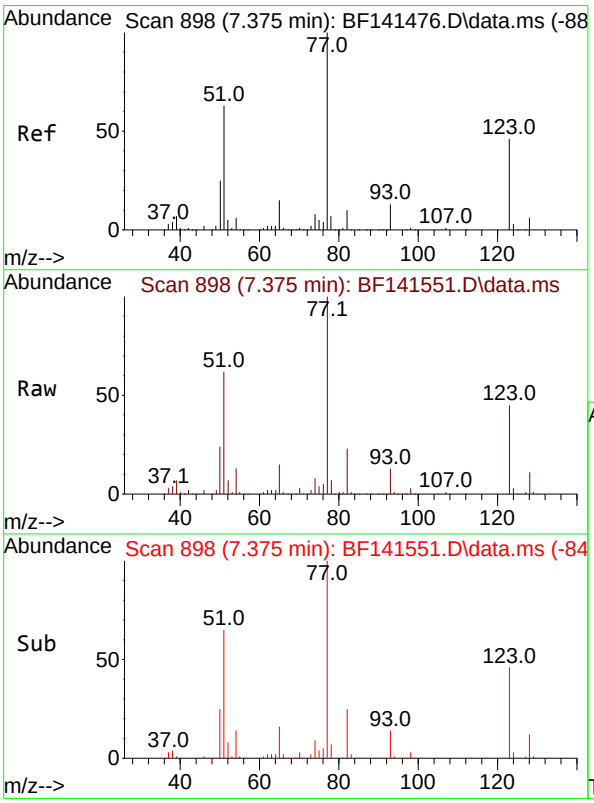
#23
Nitrobenzene-d5
Concen: 79.150 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 605988

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.8	52.2
54	59.1	48.2	72.4

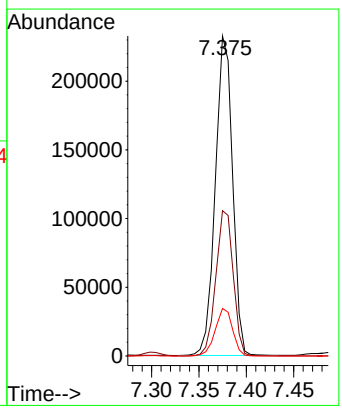


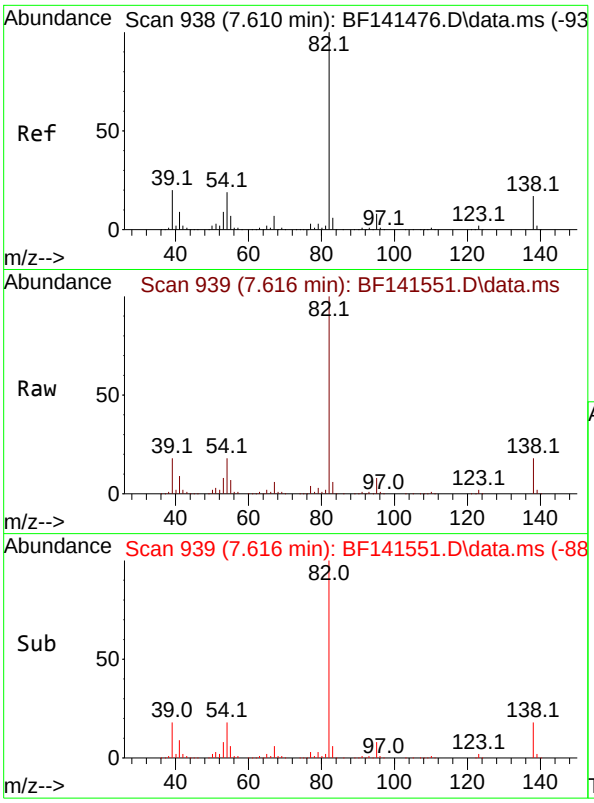


#24
Nitrobenzene
Concen: 39.421 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 77 Resp: 294305

Ion	Ratio	Lower	Upper
77	100		
123	45.4	36.9	55.3
65	14.8	11.9	17.9



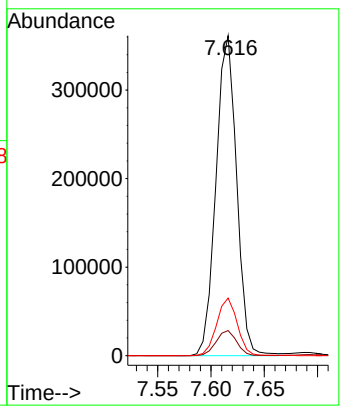


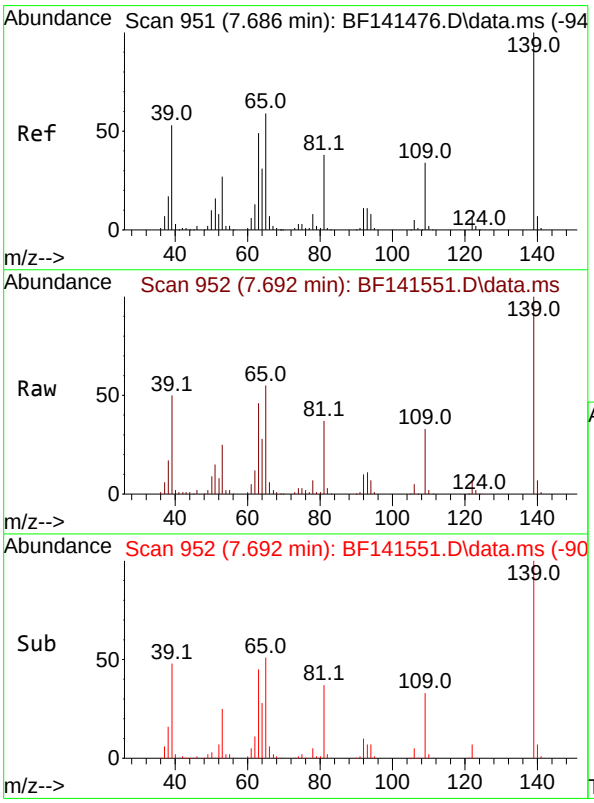
#25
Isophorone
Concen: 39.870 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 486718

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.0	13.9	20.9

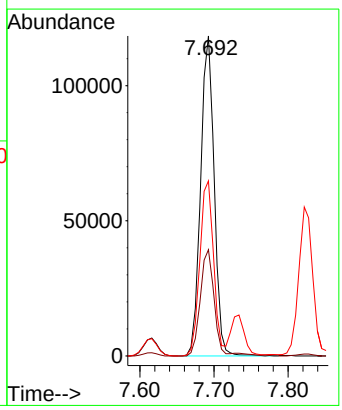


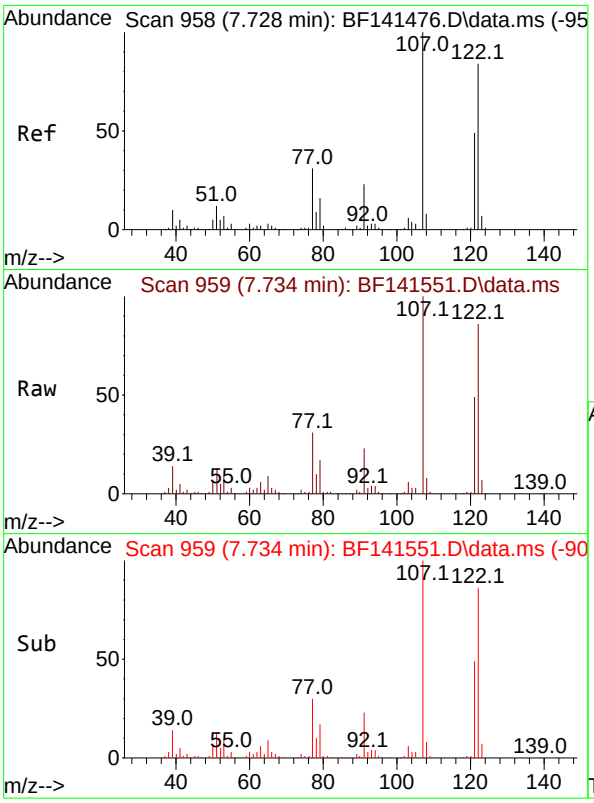


#26
2-Nitrophenol
Concen: 40.688 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:139 Resp: 151129

Ion	Ratio	Lower	Upper
139	100		
109	33.2	27.0	40.6
65	54.7	47.1	70.7



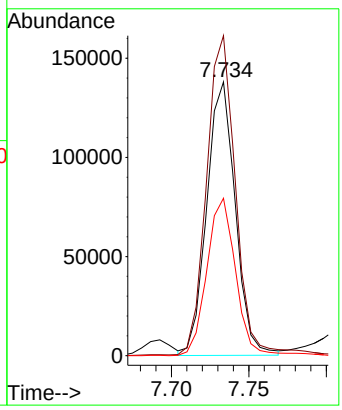


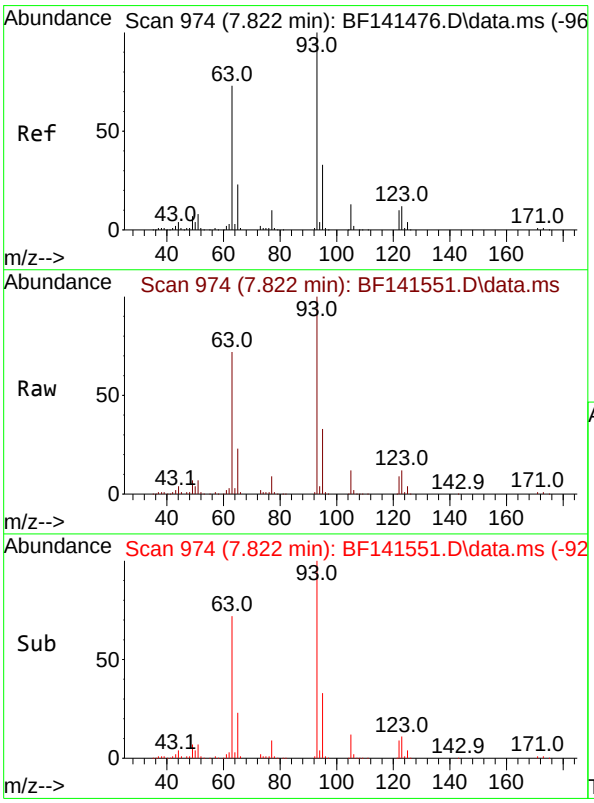
#27
2,4-Dimethylphenol
Concen: 40.742 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 176787

Ion	Ratio	Lower	Upper
122	100		
107	116.9	94.3	141.5
121	57.5	46.0	69.0

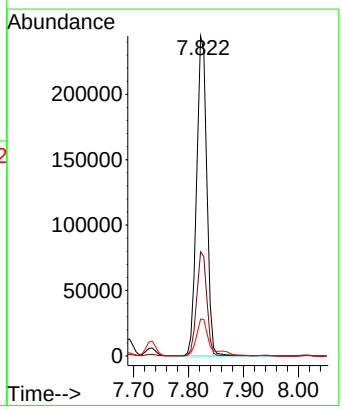


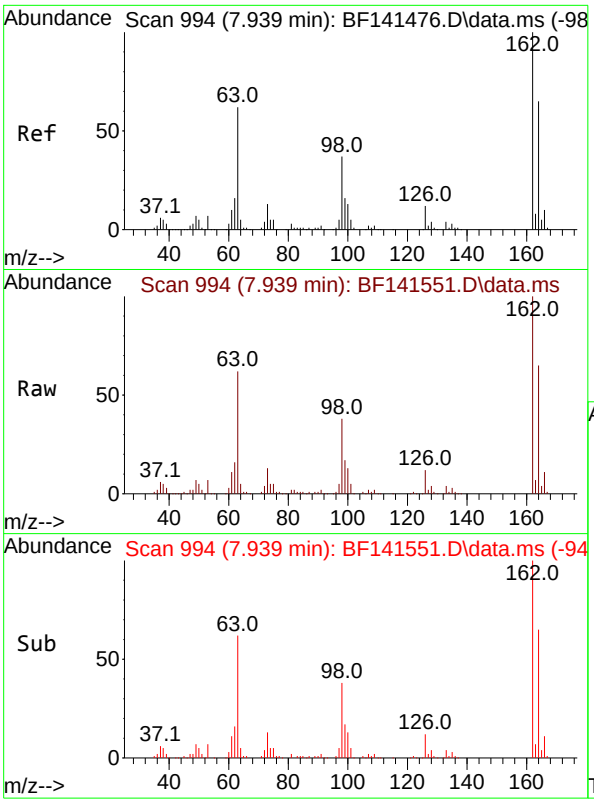


#28
bis(2-Chloroethoxy)methane
Concen: 40.602 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 93 Resp: 317603

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.6	9.5	14.3



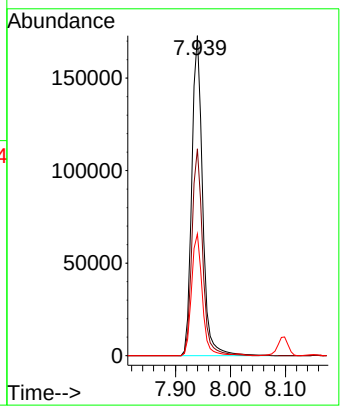


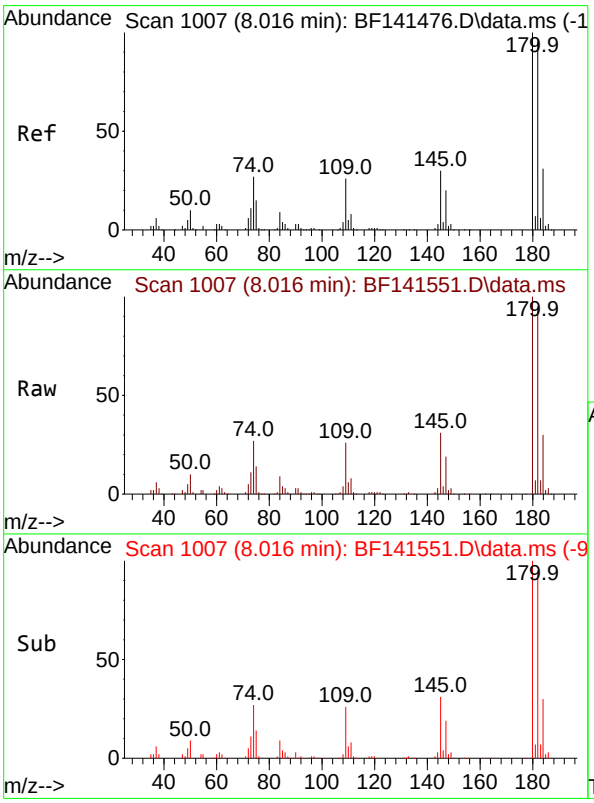
#29
2,4-Dichlorophenol
Concen: 40.207 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 235725

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.6	84.6
98	38.1	17.2	57.2

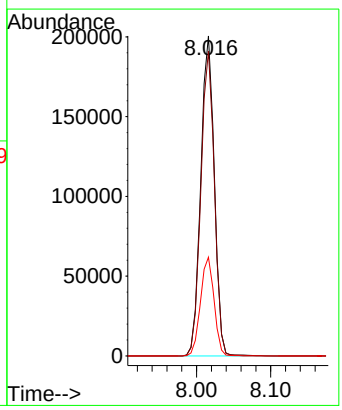


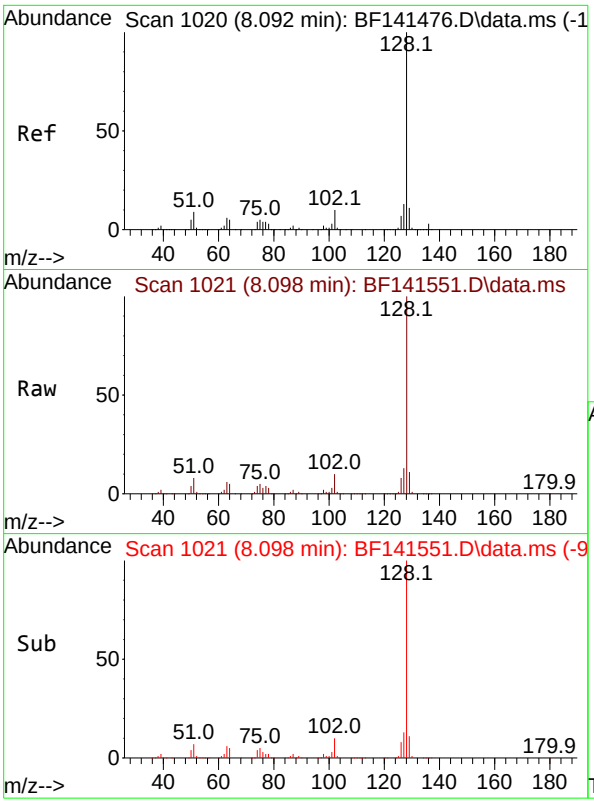


#30
1,2,4-Trichlorobenzene
Concen: 39.881 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:180 Resp: 254617

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
145	30.9	24.2	36.4



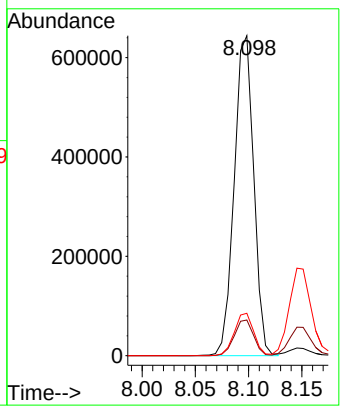


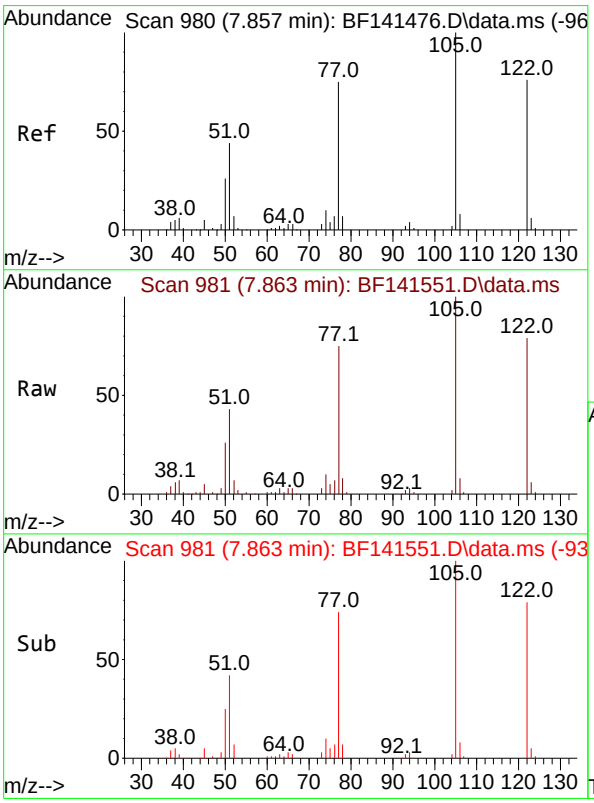
#31
Naphthalene
Concen: 39.496 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 820994

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.7	16.1

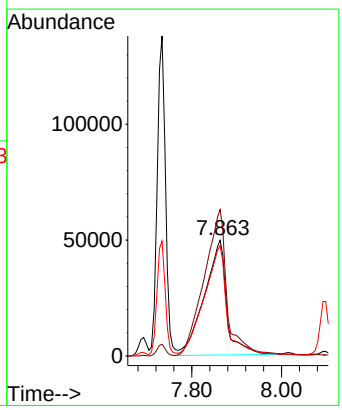


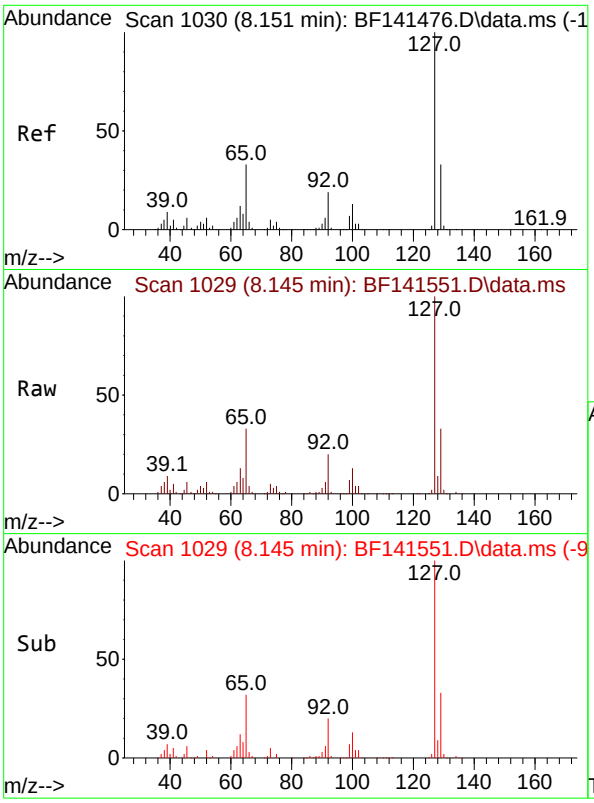


#32
Benzoic acid
Concen: 38.109 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:122 Resp: 171762

Ion	Ratio	Lower	Upper
122	100		
105	126.5	106.5	146.5
77	95.4	76.3	116.3



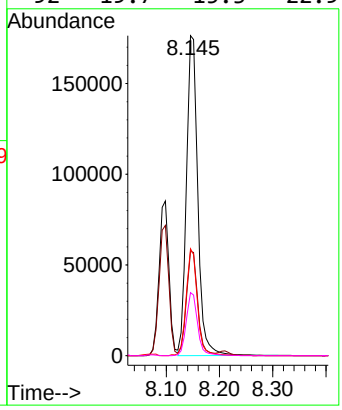


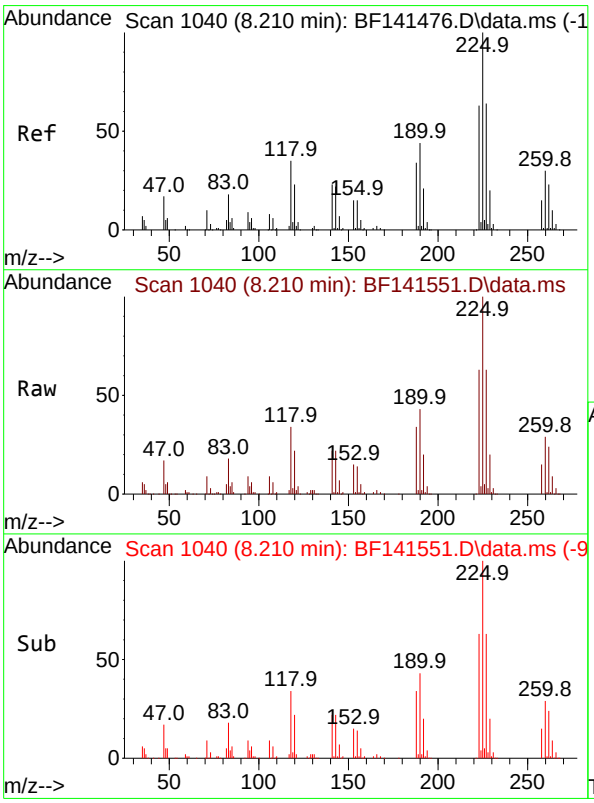
#33
4-Chloroaniline
Concen: 35.922 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 260705

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.5	39.7
65	33.4	26.4	39.6
92	19.7	15.3	22.9

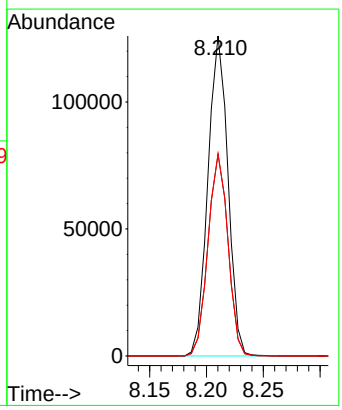


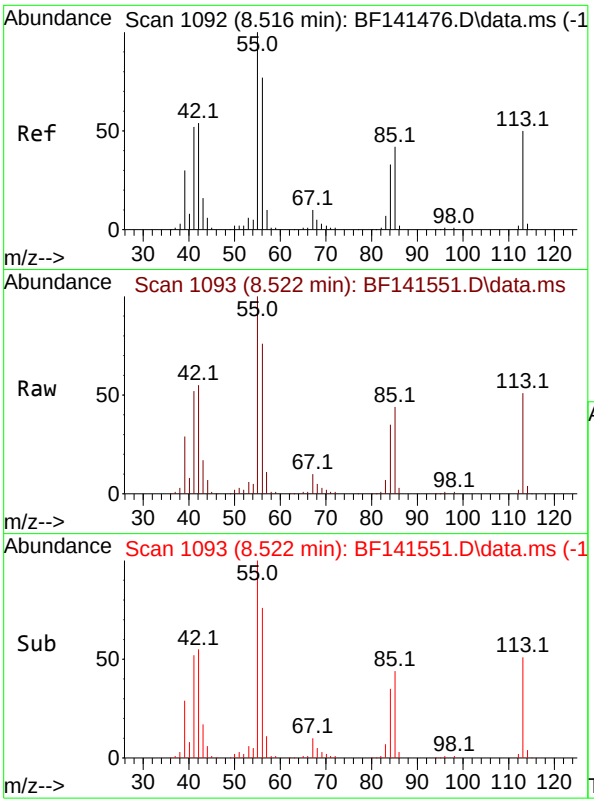


#34
Hexachlorobutadiene
Concen: 40.212 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:225 Resp: 154125

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	63.1	51.0	76.6



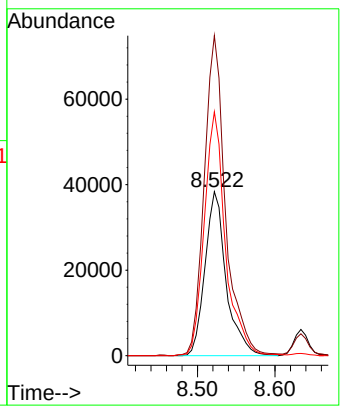


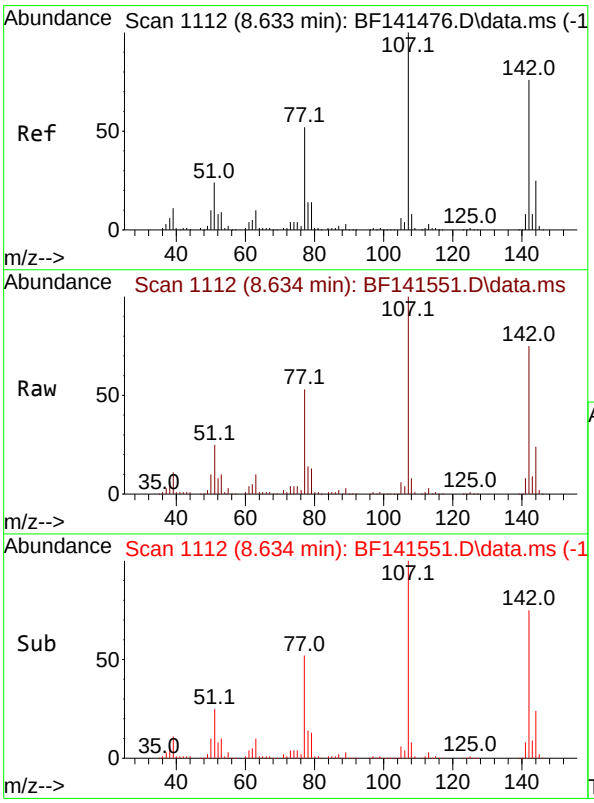
#35
Caprolactam
Concen: 40.821 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 72868

Ion	Ratio	Lower	Upper
113	100		
55	195.1	180.8	220.8
56	148.7	133.6	173.6

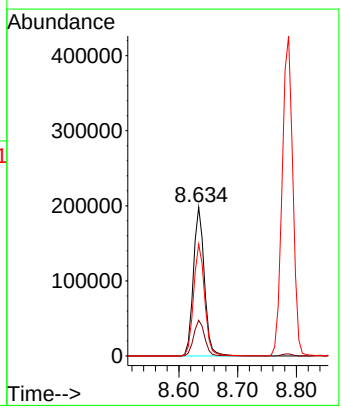


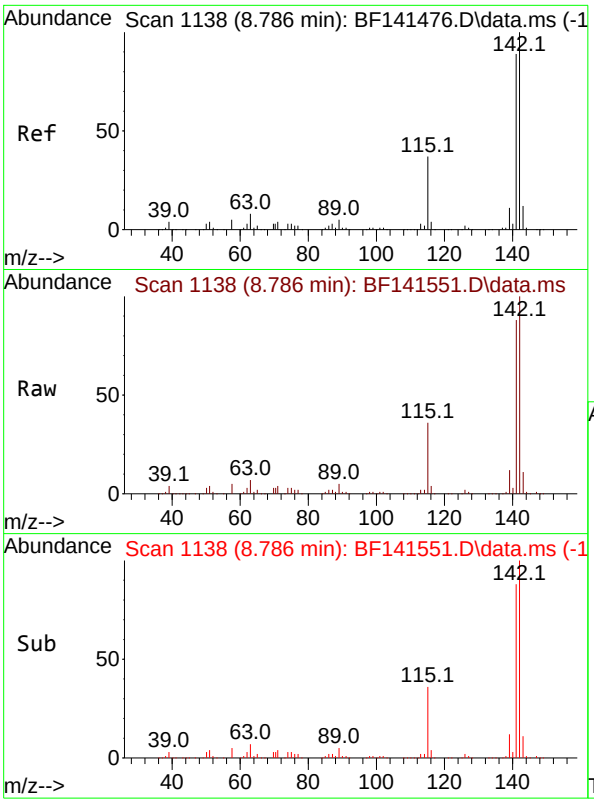


#36
4-Chloro-3-methylphenol
Concen: 39.838 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:107 Resp: 258721

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.7	29.5
142	75.1	60.8	91.2



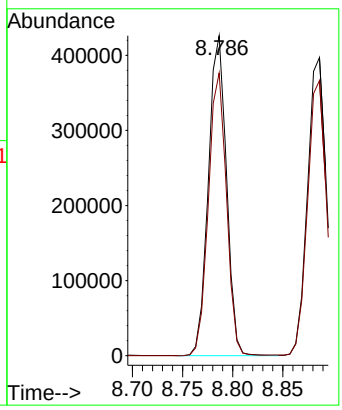


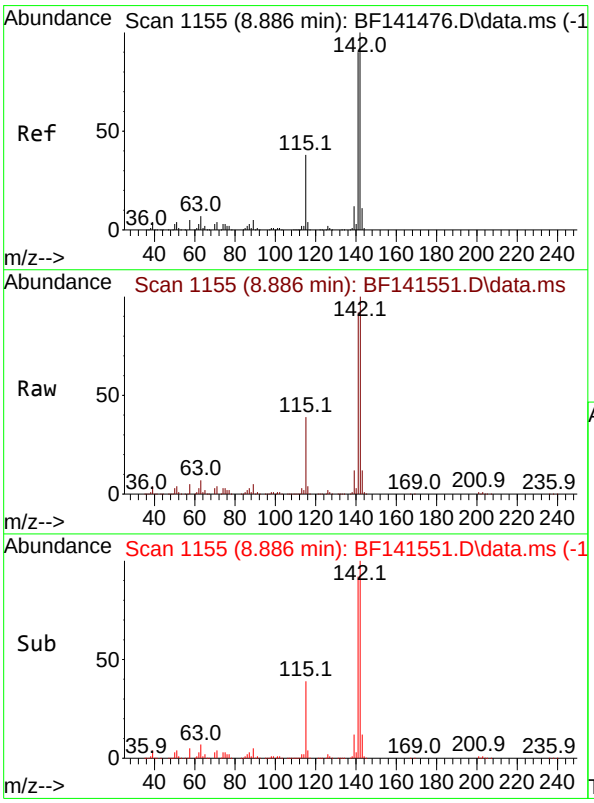
#37
2-Methylnaphthalene
Concen: 39.589 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 535507

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.2	106.8

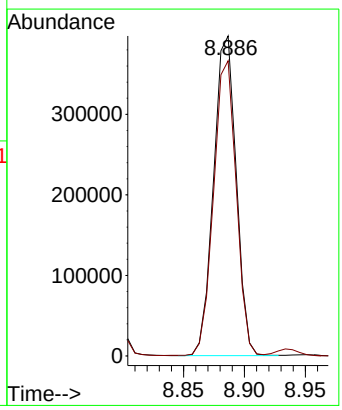


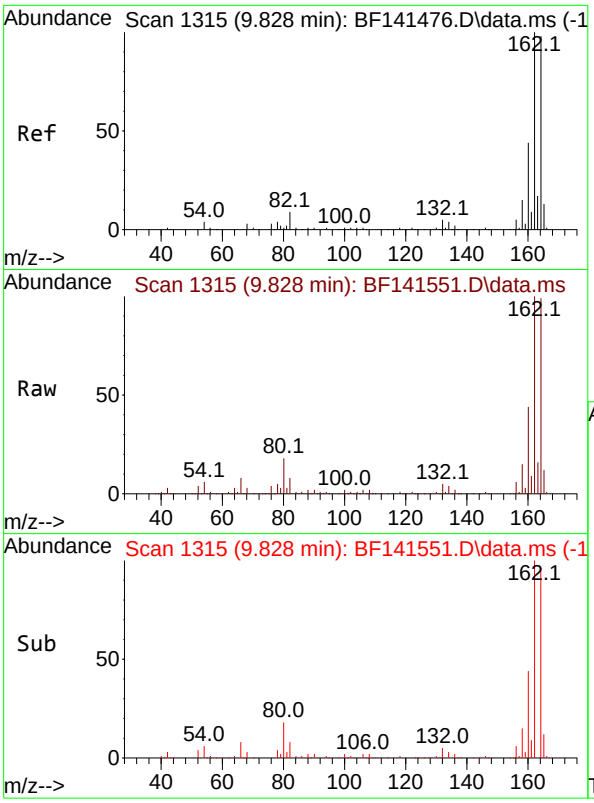


#38
1-Methylnaphthalene
Concen: 39.172 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:142 Resp: 513186

Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.1	108.1



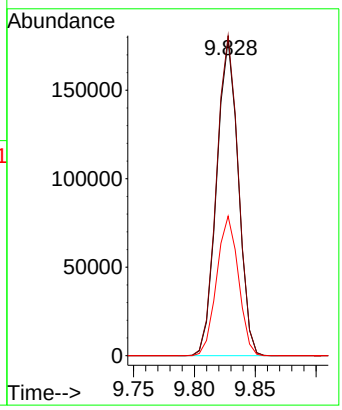


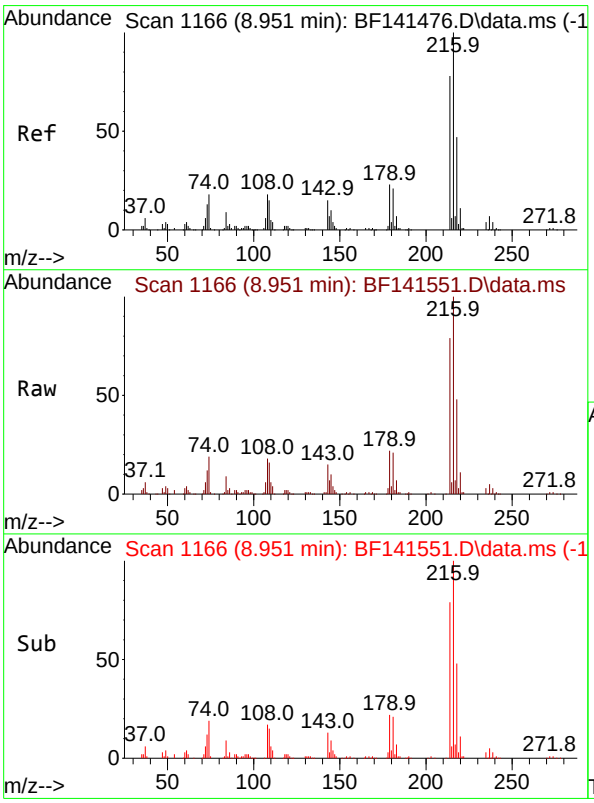
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 220290

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.3	121.9
160	44.2	35.9	53.9

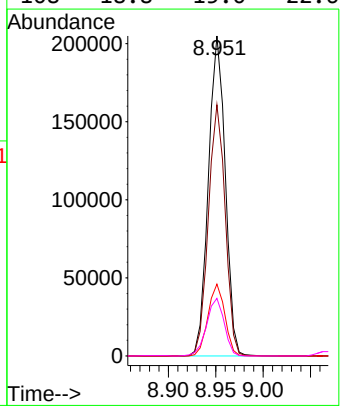


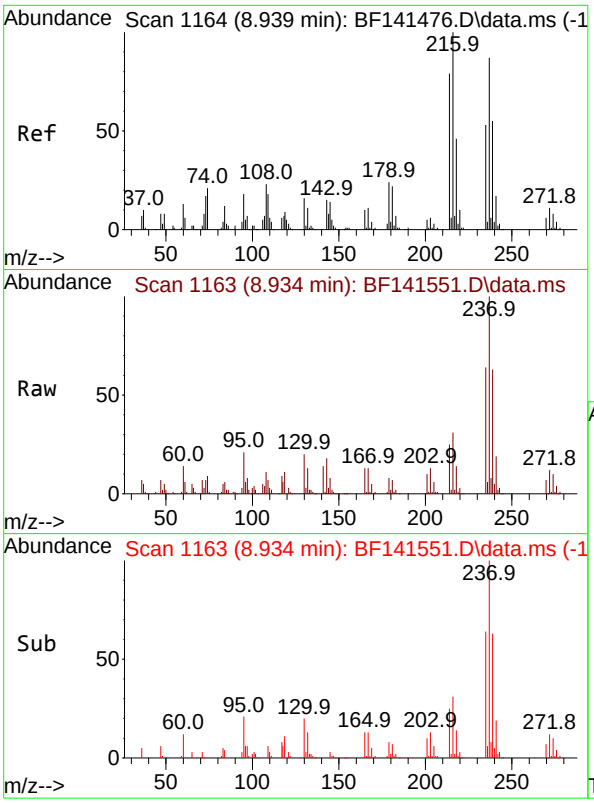


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.721 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:216 Resp: 253153

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	22.4	18.0	27.0
108	18.8	15.0	22.6



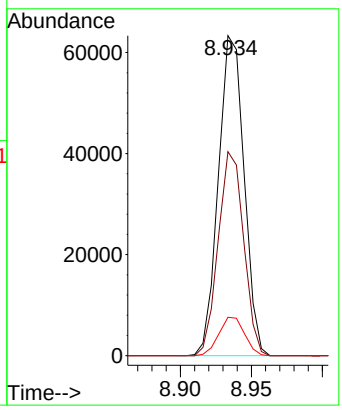


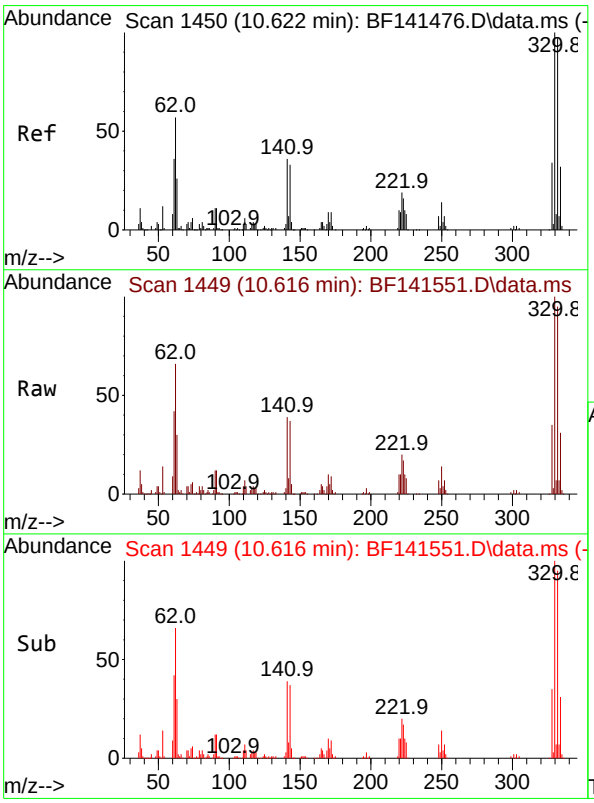
#41
Hexachlorocyclopentadiene
Concen: 37.607 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 79719

Ion	Ratio	Lower	Upper
237	100		
235	63.7	41.4	81.4
272	12.0	0.0	32.4

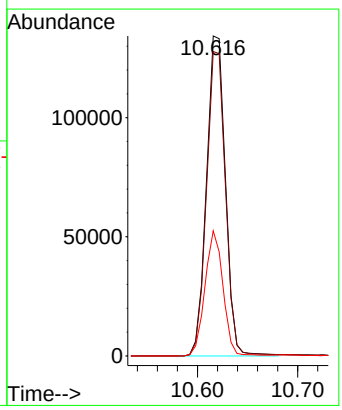


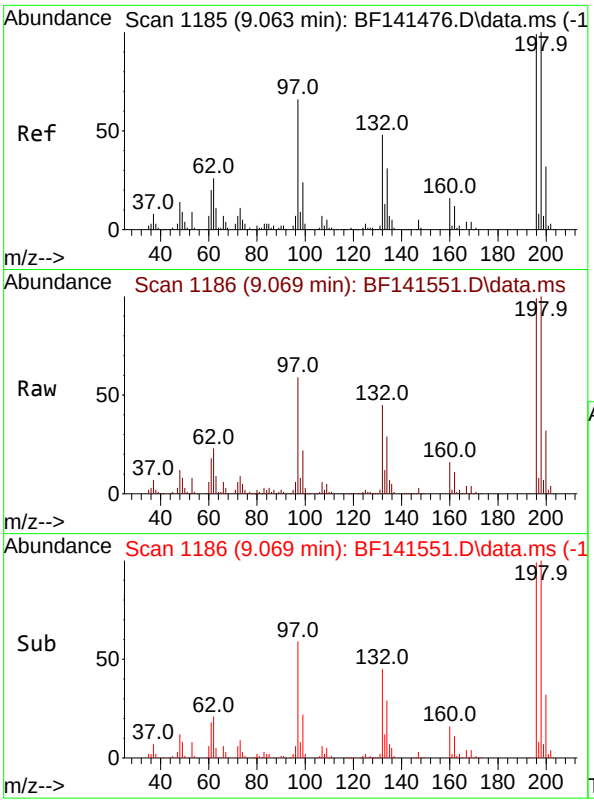


#42
2,4,6-Tribromophenol
Concen: 79.892 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:330 Resp: 176794

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	37.3	31.0	46.4



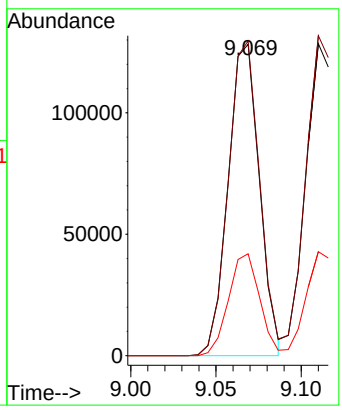


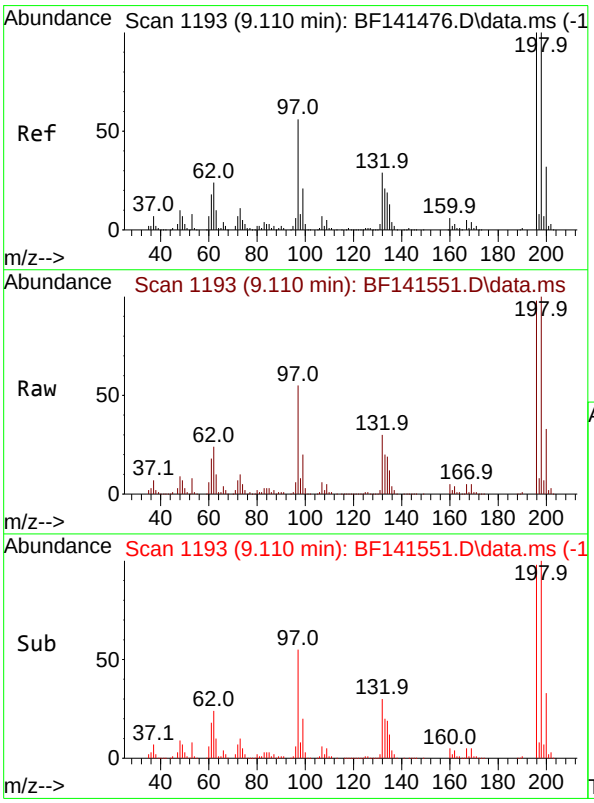
#43
2,4,6-Trichlorophenol
Concen: 39.916 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 164418

Ion	Ratio	Lower	Upper
196	100		
198	101.1	80.6	121.0
200	32.7	25.5	38.3

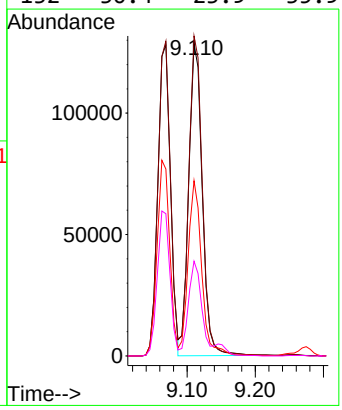


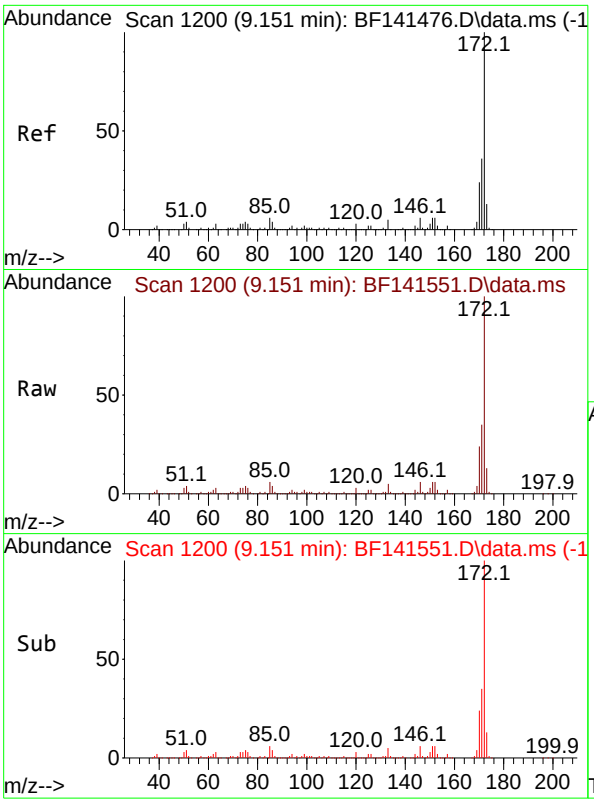


#44
2,4,5-Trichlorophenol
Concen: 39.574 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:196 Resp: 176666

Ion	Ratio	Lower	Upper
196	100		
198	102.6	79.8	119.8
97	56.2	44.8	67.2
132	30.4	23.9	35.9



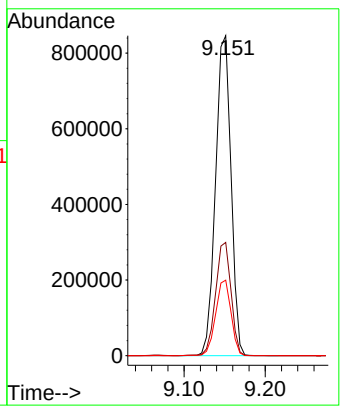


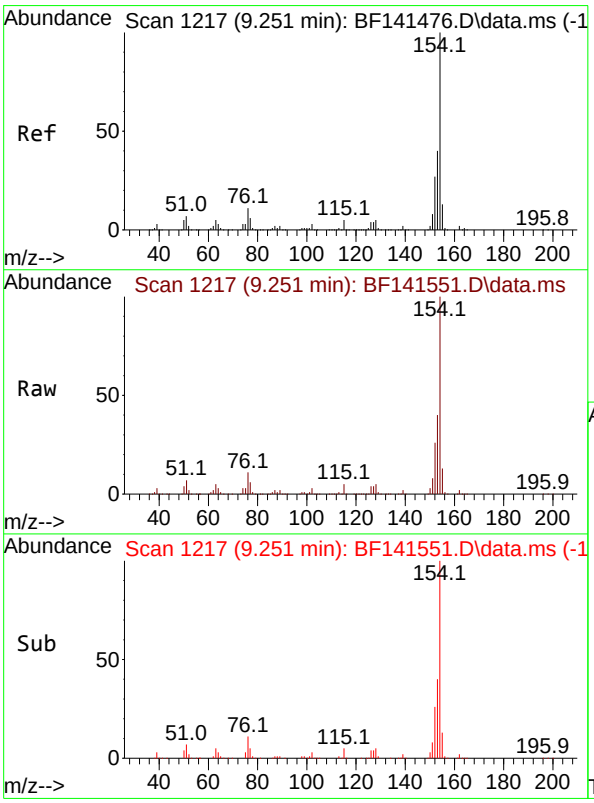
#45
2-Fluorobiphenyl
Concen: 78.338 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1120127

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.6	18.9	28.3

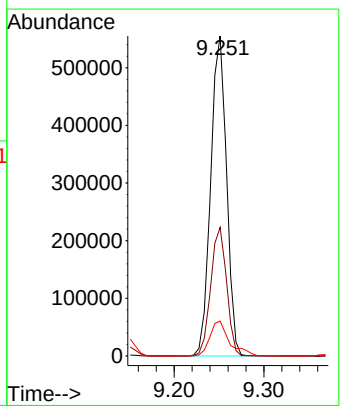


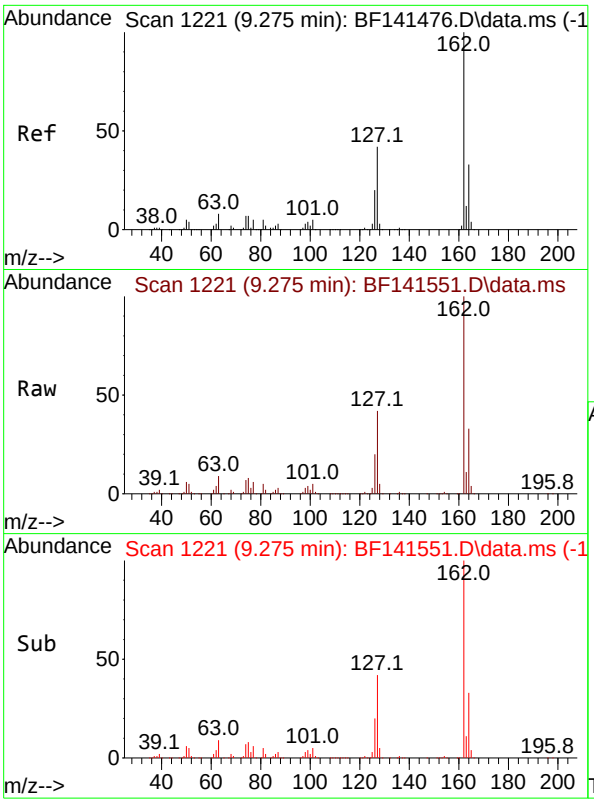


#46
1,1'-Biphenyl
Concen: 39.828 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:154 Resp: 680211

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	10.9	0.0	30.8



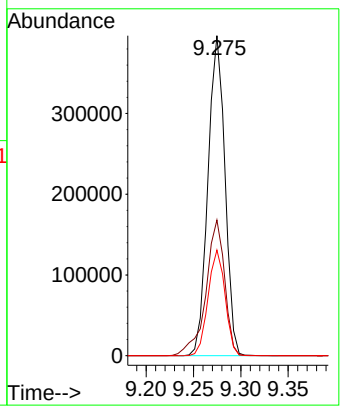


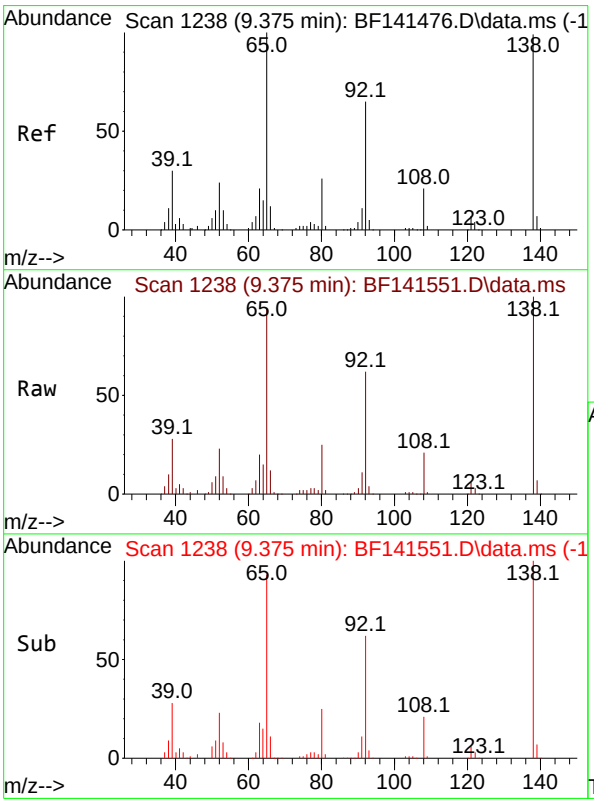
#47
2-Chloronaphthalene
Concen: 39.175 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 494742

Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.1	51.1
164	33.0	26.3	39.5

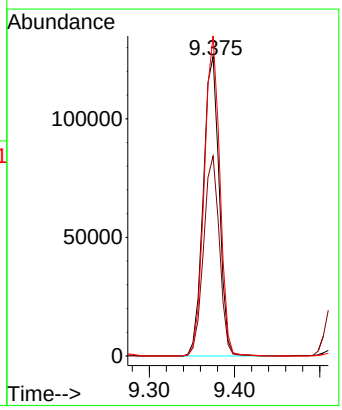


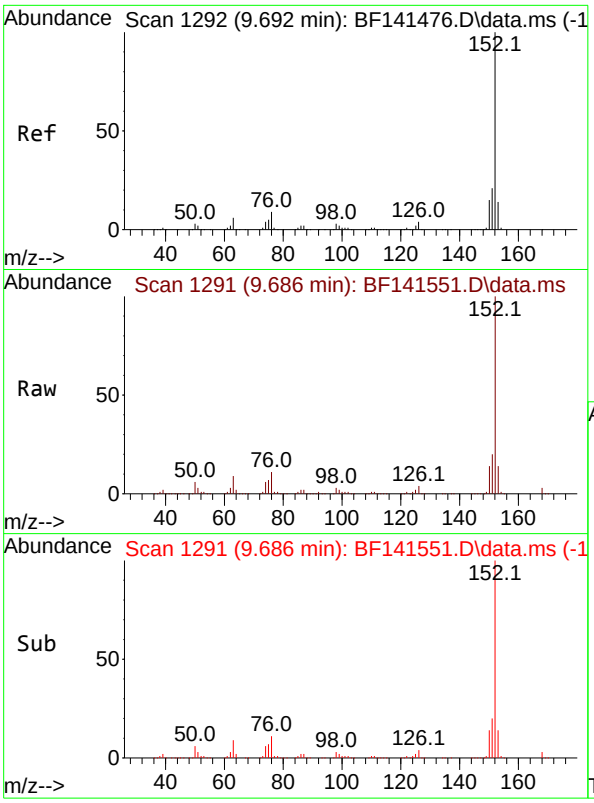


#48
2-Nitroaniline
Concen: 38.652 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion: 65 Resp: 163823

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.2	78.2
138	106.9	79.5	119.3



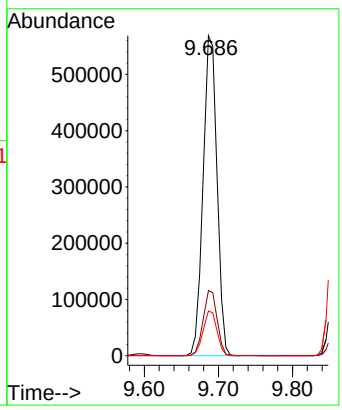


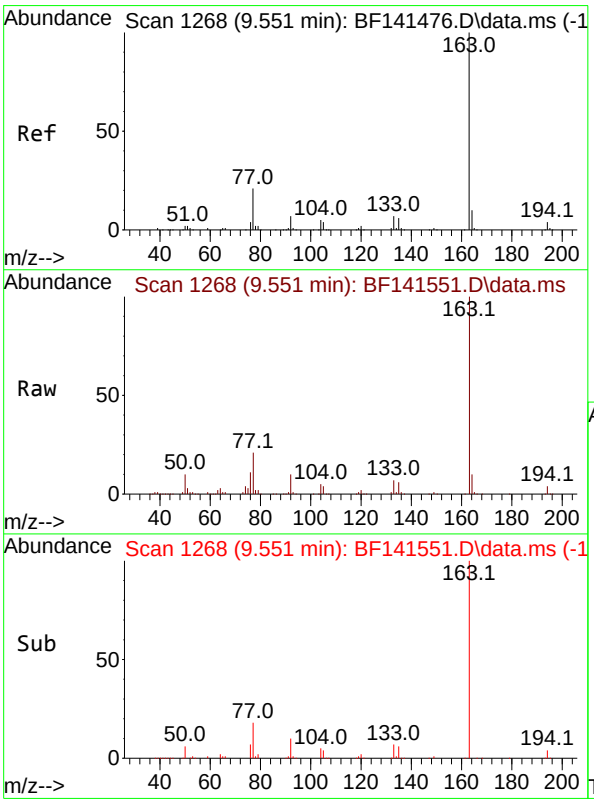
#49
Acenaphthylene
Concen: 39.549 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 742913

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	14.0	10.9	16.3

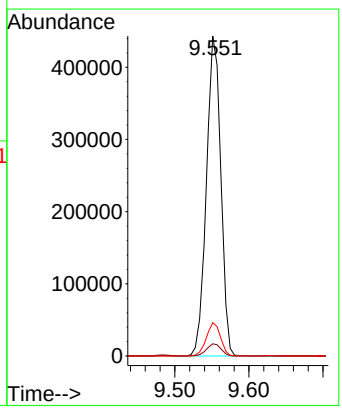


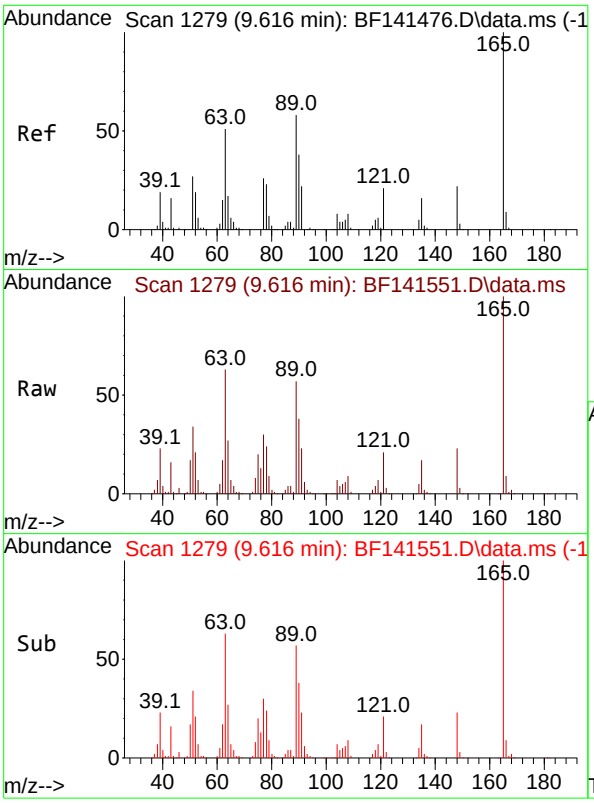


#50
Dimethylphthalate
Concen: 40.052 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:163 Resp: 598973

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.4	7.9	11.9



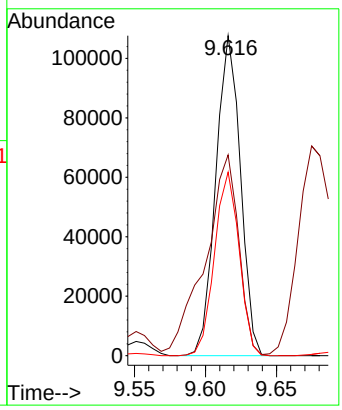


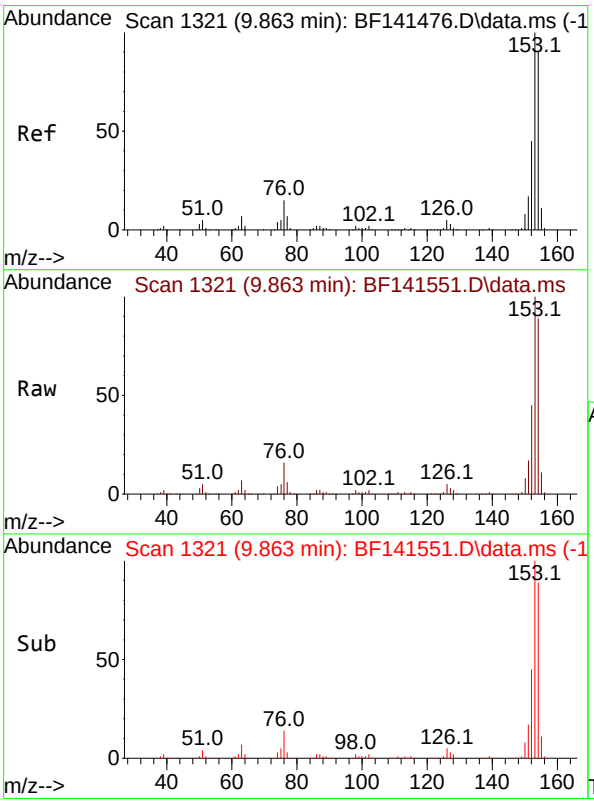
#51
2,6-Dinitrotoluene
Concen: 39.707 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 129812

Ion	Ratio	Lower	Upper
165	100		
63	62.7	49.4	74.0
89	57.4	46.5	69.7

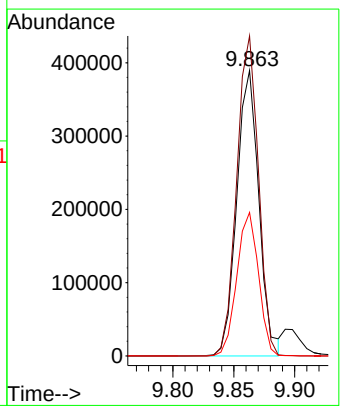


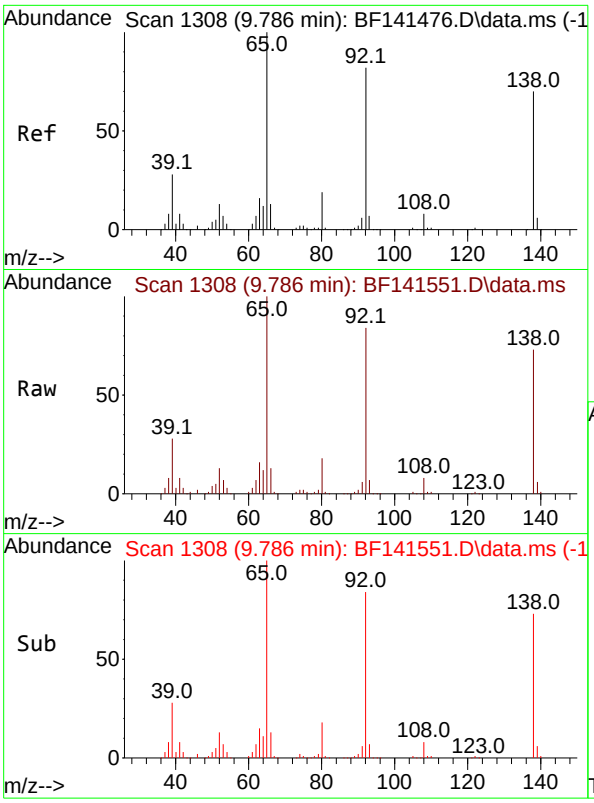


#52
Acenaphthene
Concen: 39.125 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:154 Resp: 494087

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.2	133.8
152	50.3	39.8	59.8



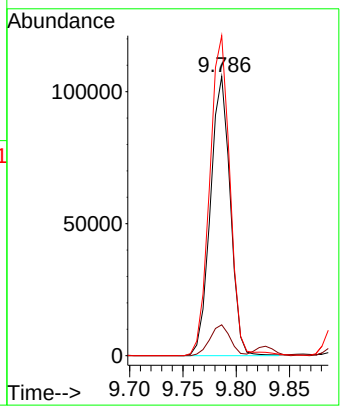


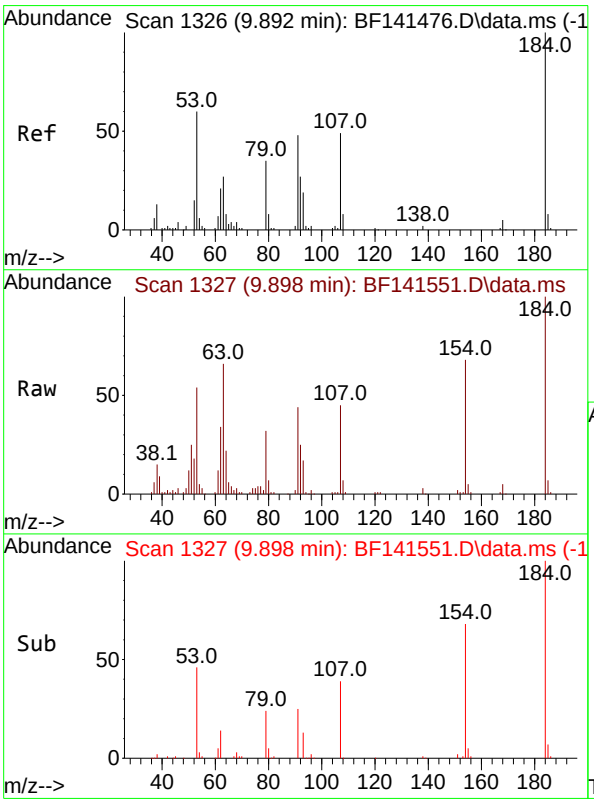
#53
3-Nitroaniline
Concen: 38.855 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 136720

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	114.6	93.7	140.5

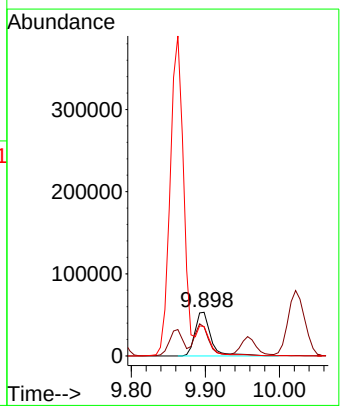


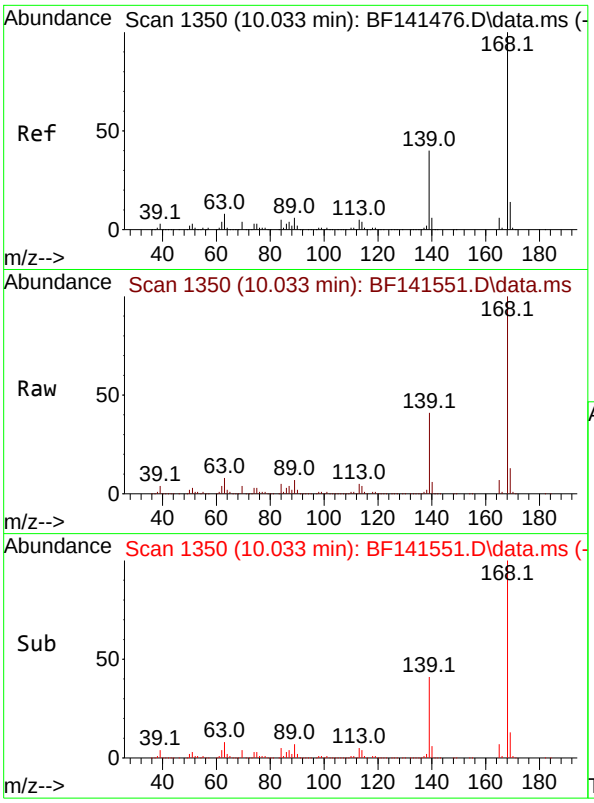


#54
2,4-Dinitrophenol
Concen: 41.042 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:184 Resp: 79744

Ion	Ratio	Lower	Upper
184	100		
63	66.2	61.0	91.6
154	67.5	59.9	89.9



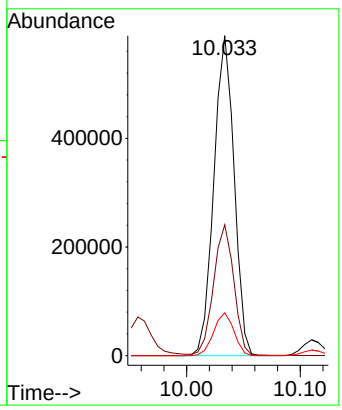


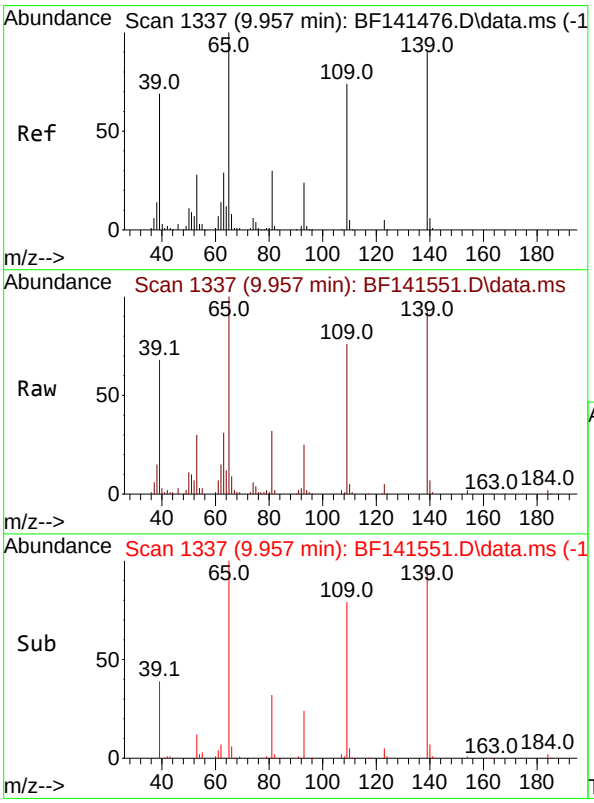
#55
Dibenzofuran
Concen: 39.291 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 728307

Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.4	10.8	16.2

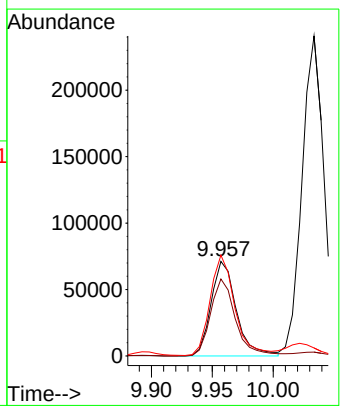


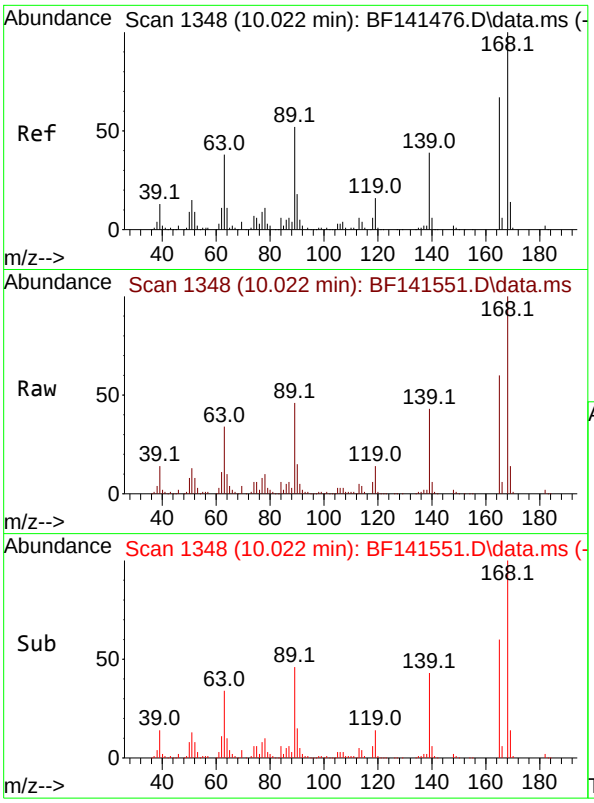


#56
4-Nitrophenol
Concen: 39.275 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:139 Resp: 102589

Ion	Ratio	Lower	Upper
139	100		
109	81.4	62.0	102.0
65	106.5	91.2	131.2



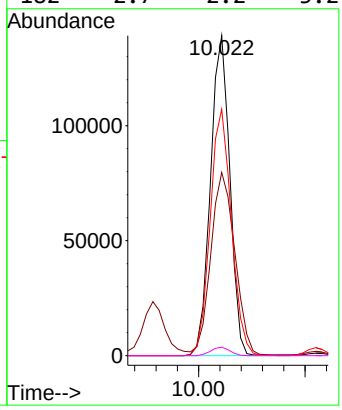


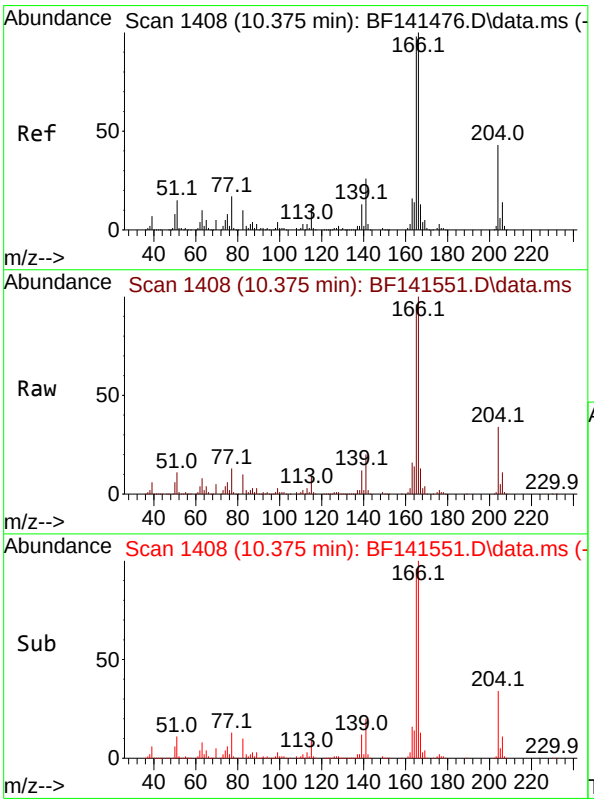
#57
2,4-Dinitrotoluene
Concen: 40.316 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 175460

Ion	Ratio	Lower	Upper
165	100		
63	57.3	46.4	69.6
89	77.0	61.8	92.6
182	2.7	2.2	3.2

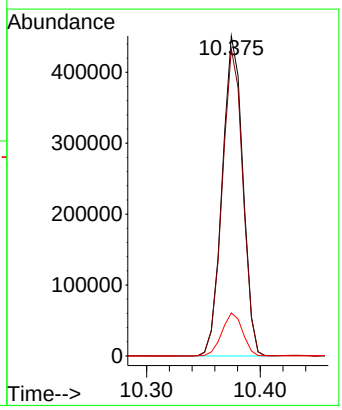


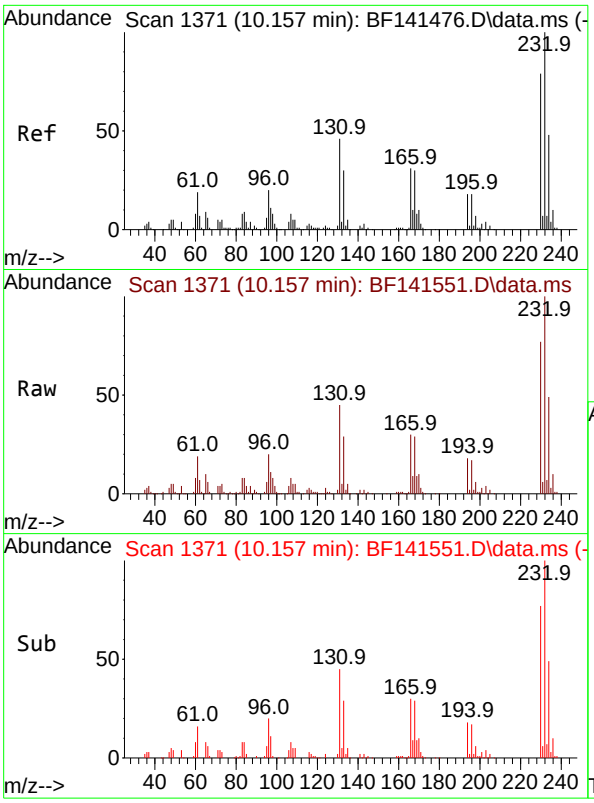


#58
Fluorene
Concen: 39.674 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:166 Resp: 568620

Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.2	117.2
167	13.4	10.7	16.1



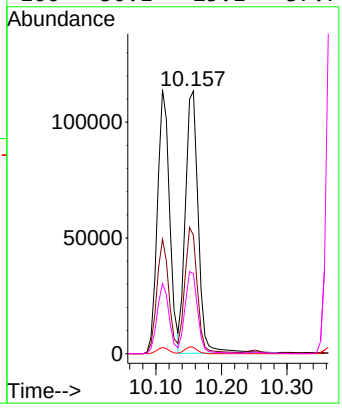


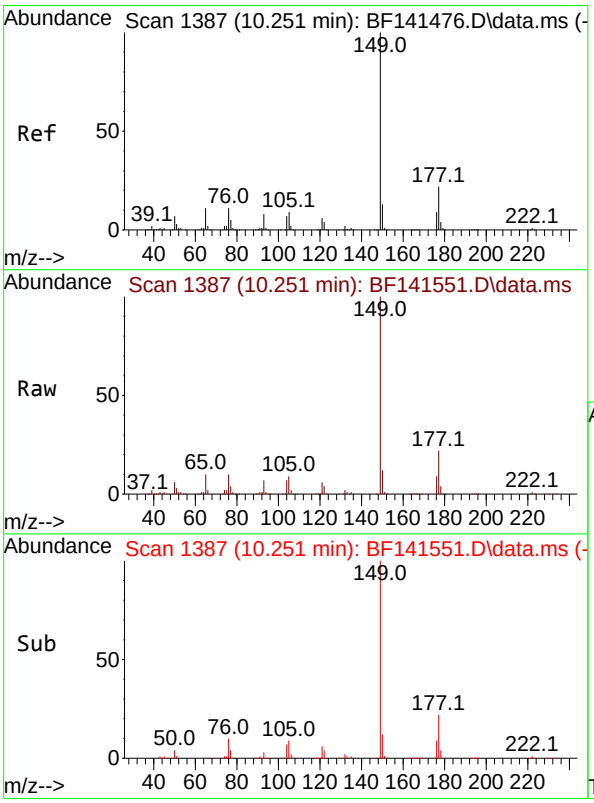
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.919 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 153425

Ion	Ratio	Lower	Upper
232	100		
131	46.8	39.2	58.8
130	2.4	2.1	3.1
166	30.1	25.1	37.7

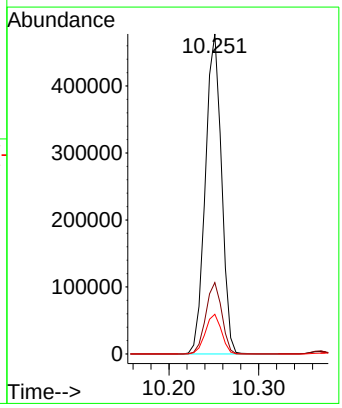


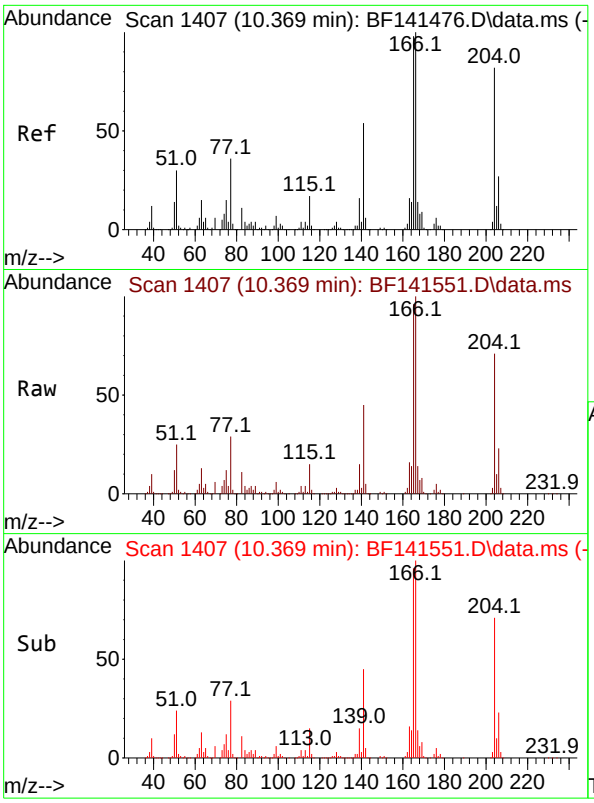


#60
Diethylphthalate
Concen: 40.508 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 596031

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.4	10.1	15.1



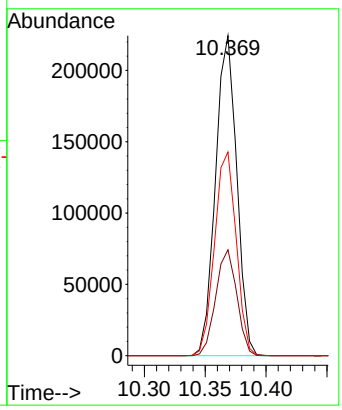


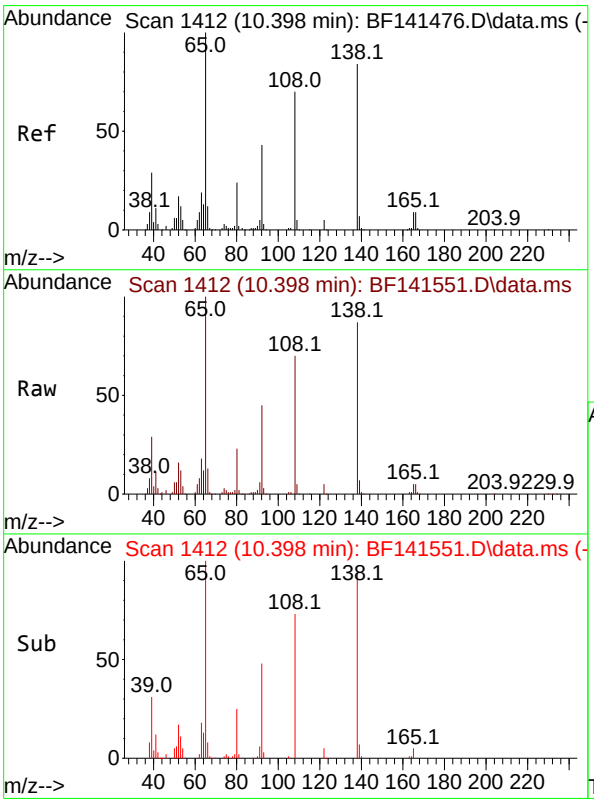
#61
4-Chlorophenyl-phenylether
Concen: 39.647 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 273368

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	63.7	51.9	77.9

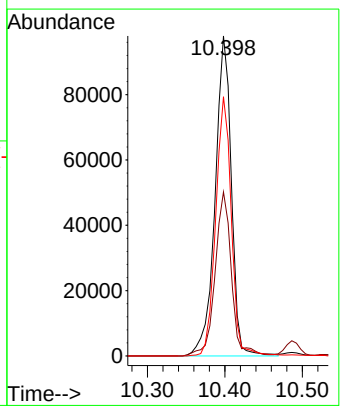


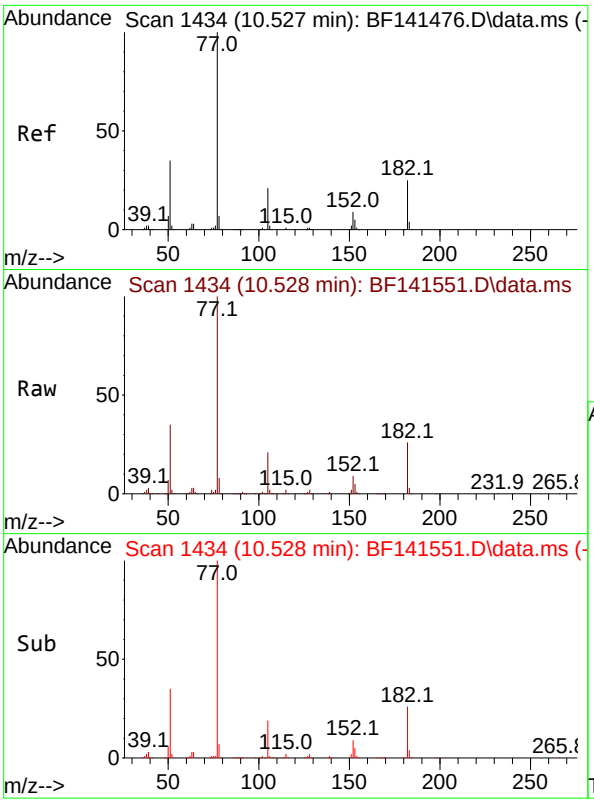


#62
4-Nitroaniline
Concen: 39.968 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:138 Resp: 142801

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.3	71.3
108	81.0	63.7	103.7



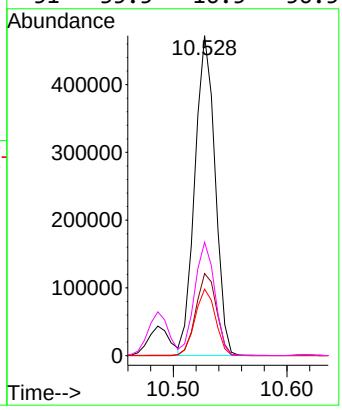


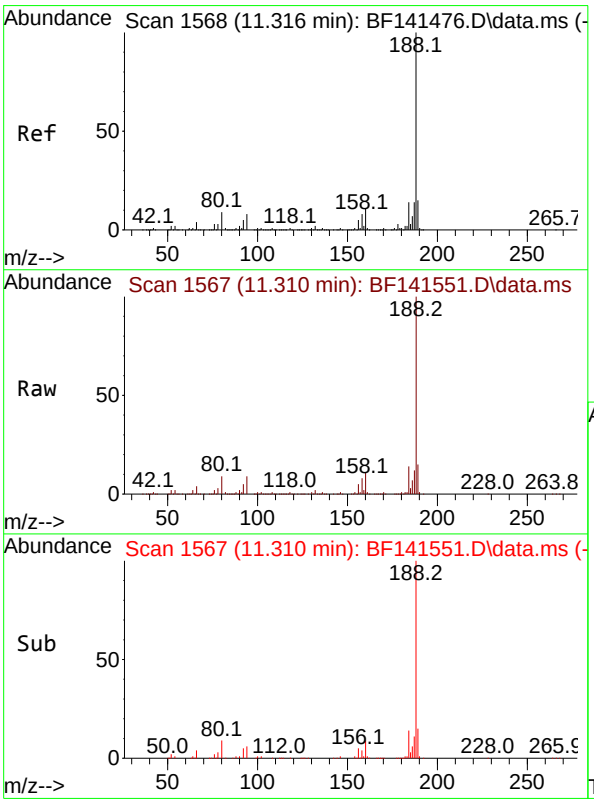
#63
Azobenzene
Concen: 39.907 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 583738

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.7	44.7
105	20.8	0.4	40.4
51	35.5	16.5	56.5

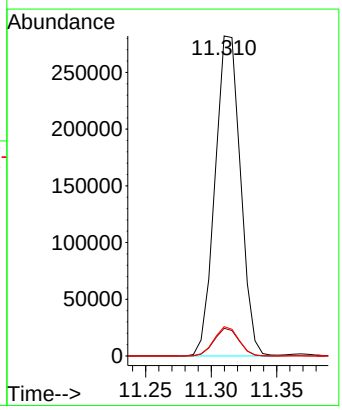


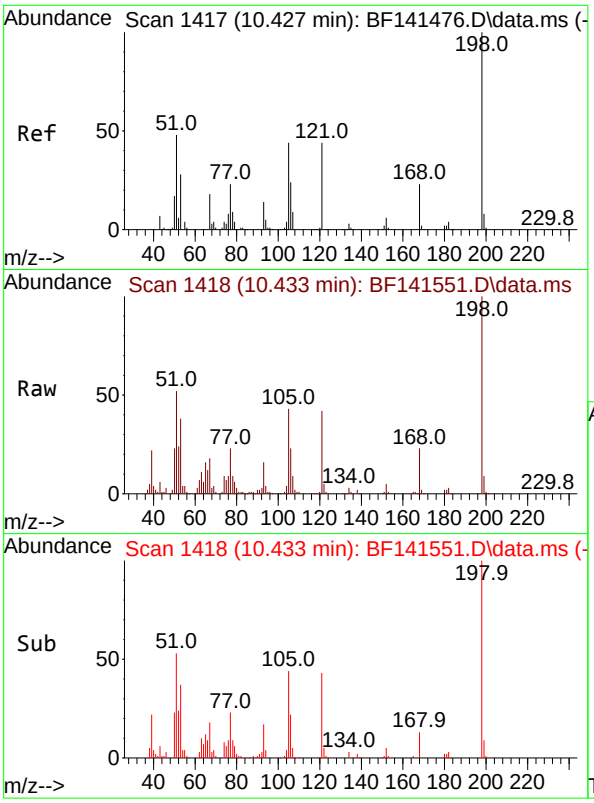


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:188 Resp: 380364

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.3	10.9



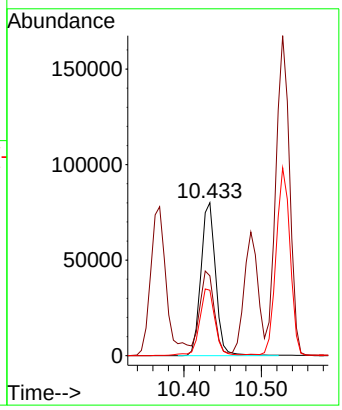


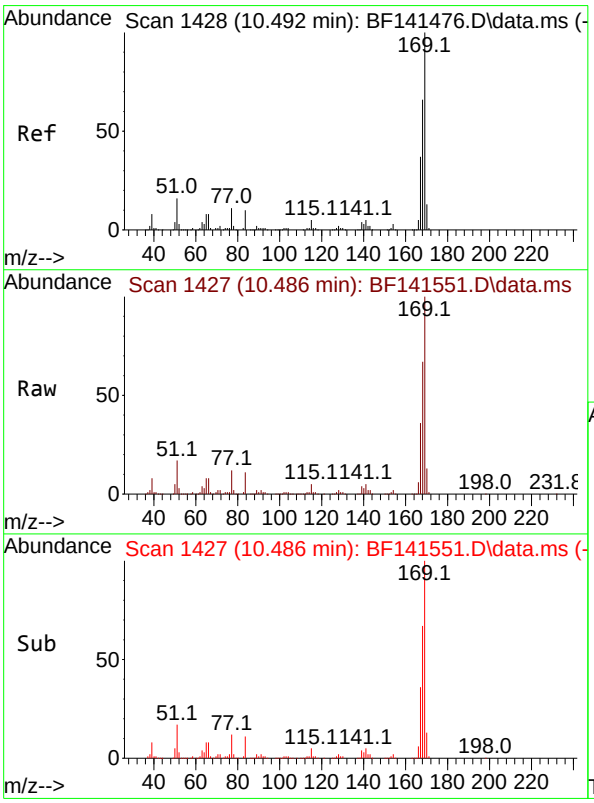
#65
4,6-Dinitro-2-methylphenol
Concen: 39.960 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 105582

Ion	Ratio	Lower	Upper
198	100		
51	52.2	37.4	77.4
105	42.8	25.2	65.2

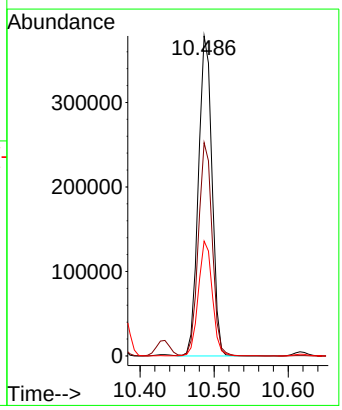


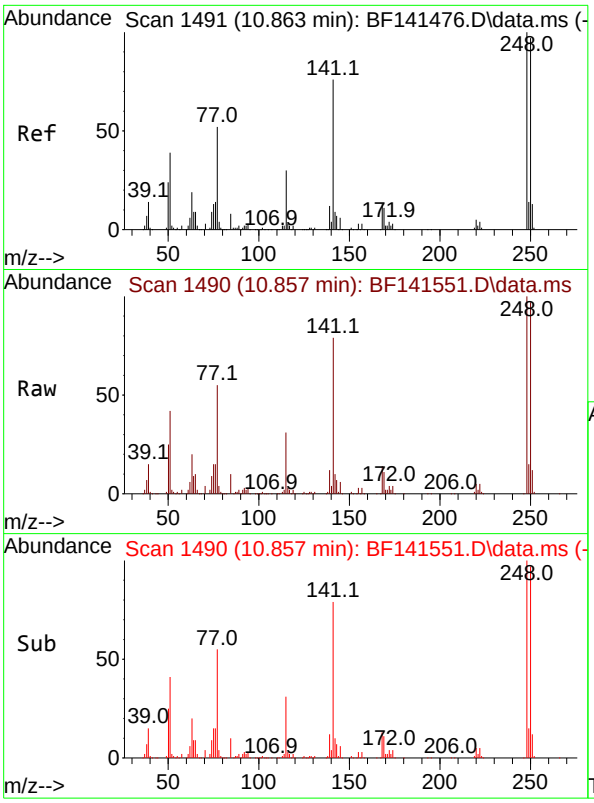


#66
n-Nitrosodiphenylamine
Concen: 39.639 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:169 Resp: 482640

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.3	79.9
167	35.9	29.4	44.2



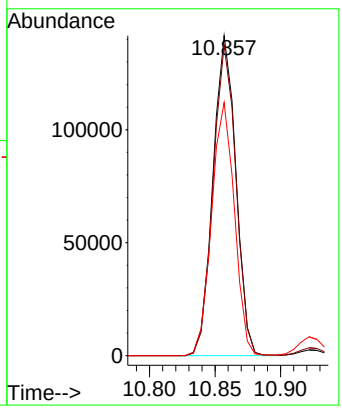


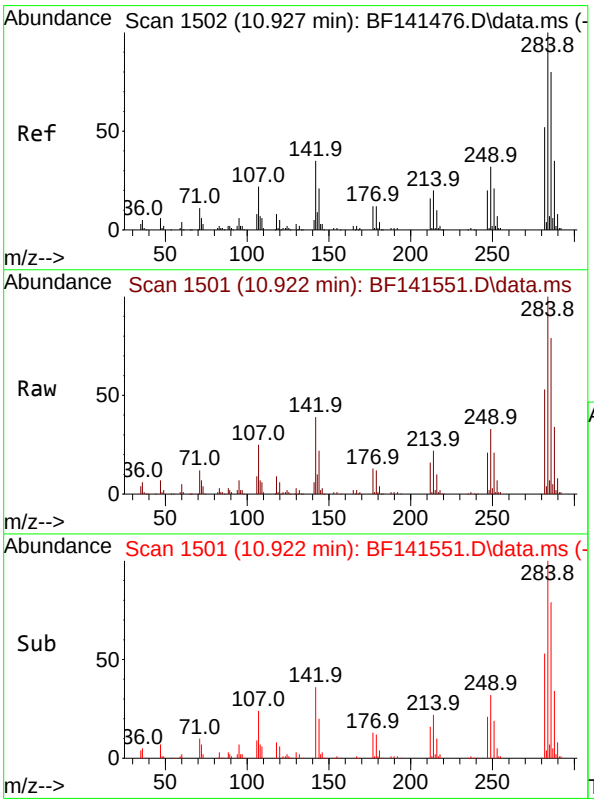
#67
4-Bromophenyl-phenylether
Concen: 40.475 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 172060

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.6
141	79.1	60.6	90.8

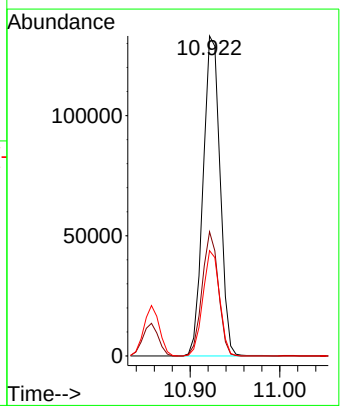


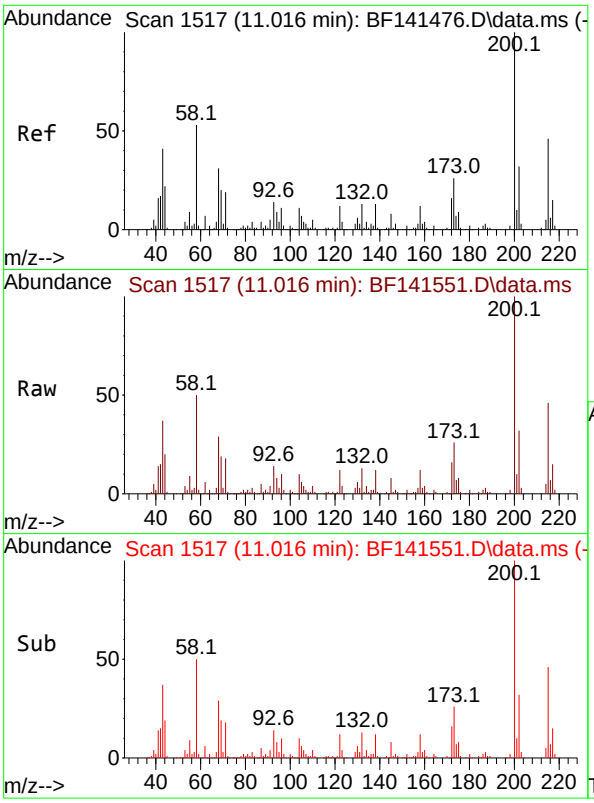


#68
Hexachlorobenzene
Concen: 39.915 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:284 Resp: 174724

Ion	Ratio	Lower	Upper
284	100		
142	38.8	28.0	42.0
249	32.9	25.8	38.8



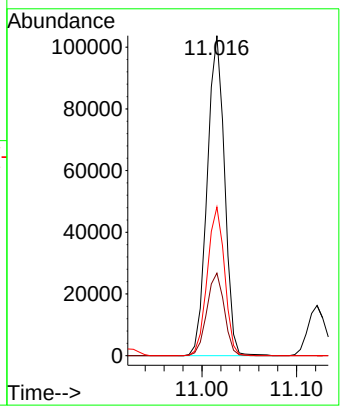


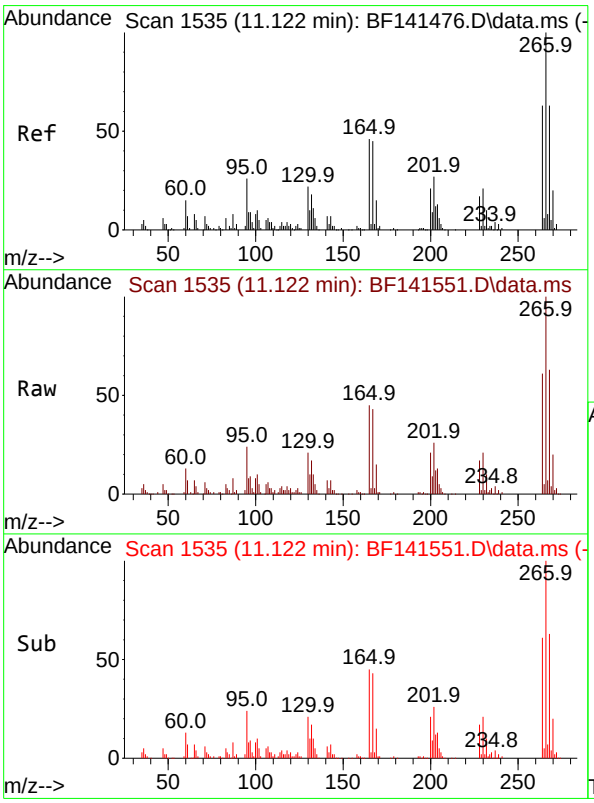
#69
Atrazine
Concen: 36.159 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 132082

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.9	45.9
215	46.5	25.9	65.9

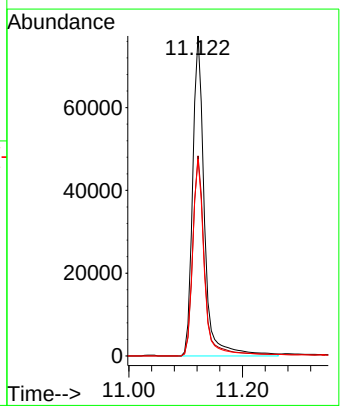


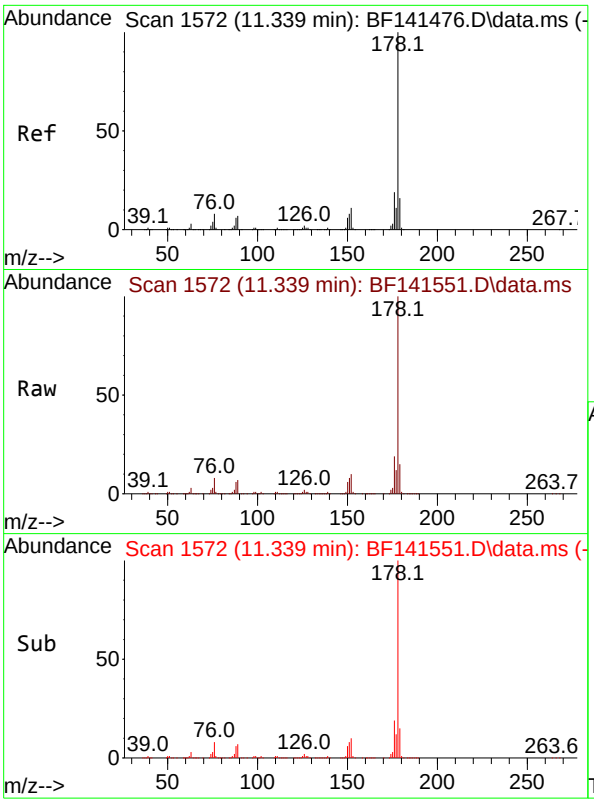


#70
Pentachlorophenol
Concen: 39.974 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:266 Resp: 111889

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.1	75.1
264	61.5	50.1	75.1



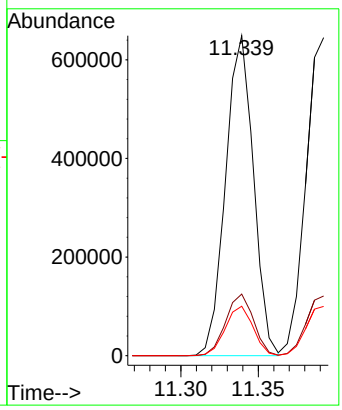


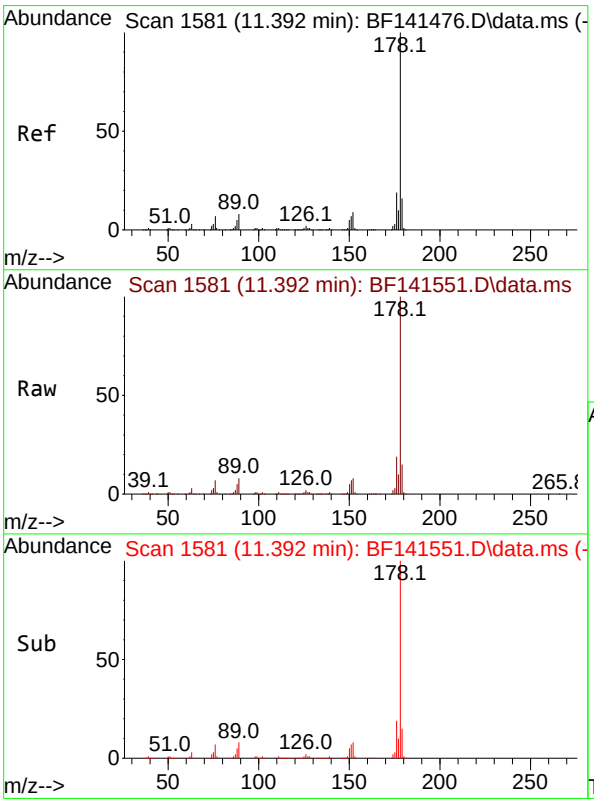
#71
Phenanthrene
Concen: 38.758 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 811492

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.4	18.6

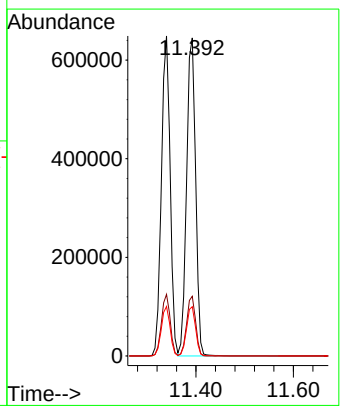


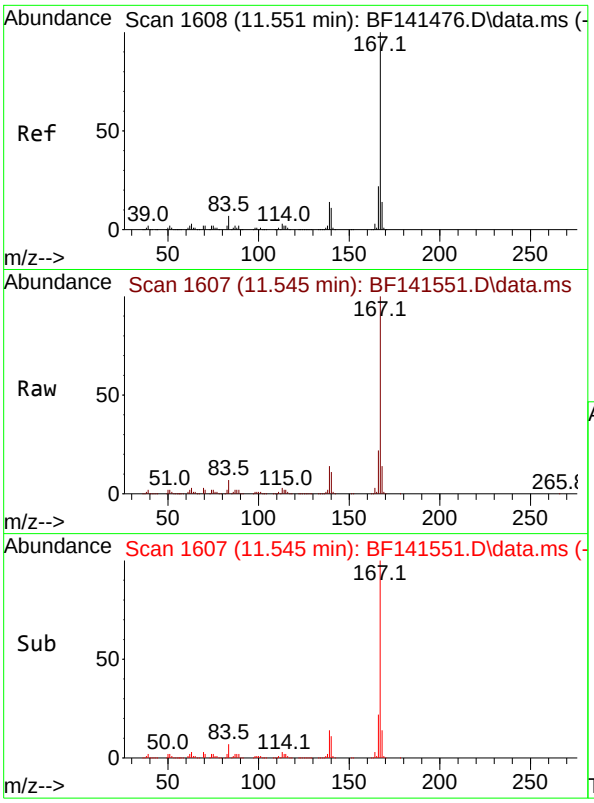


#72
Anthracene
Concen: 39.440 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:178 Resp: 830102

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.5	12.4	18.6



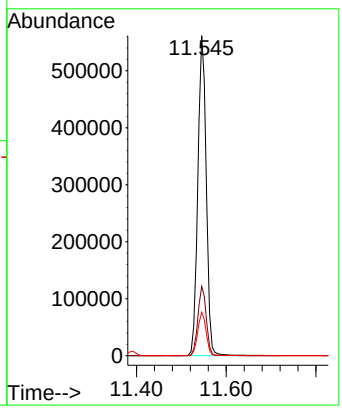


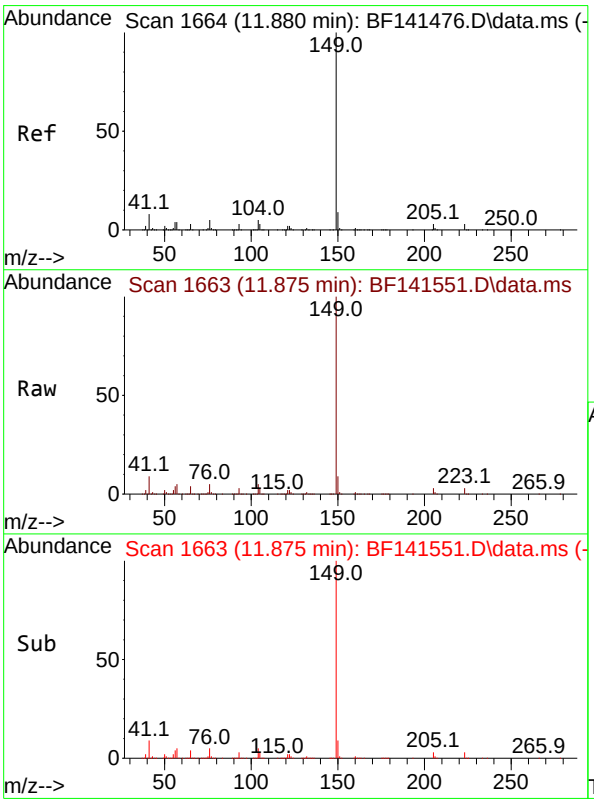
#73
Carbazole
Concen: 38.584 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 730698

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	13.6	10.9	16.3

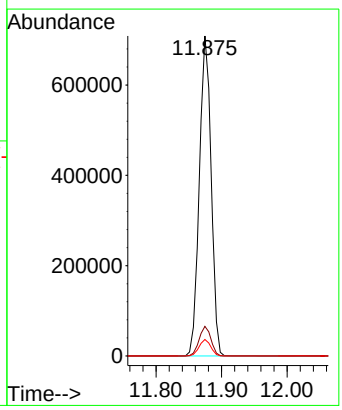


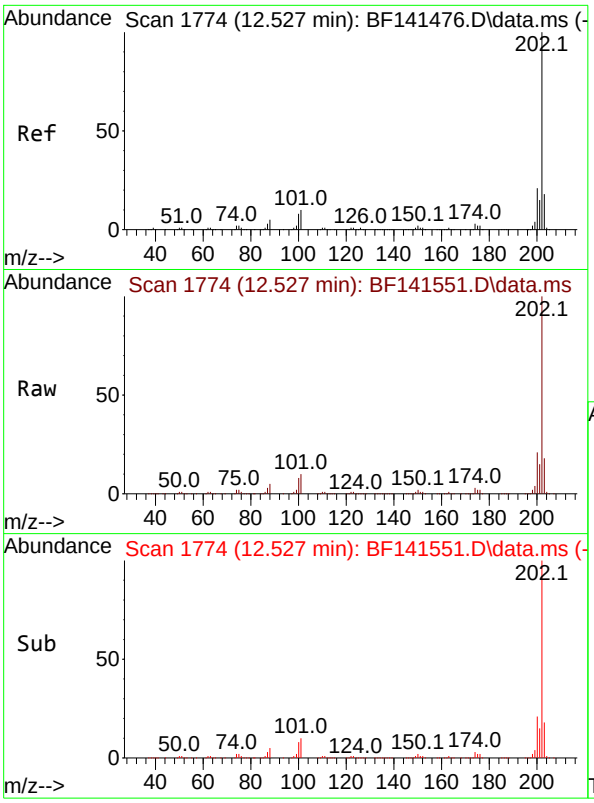


#74
Di-n-butylphthalate
Concen: 40.683 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 889622

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.1	4.2	6.2



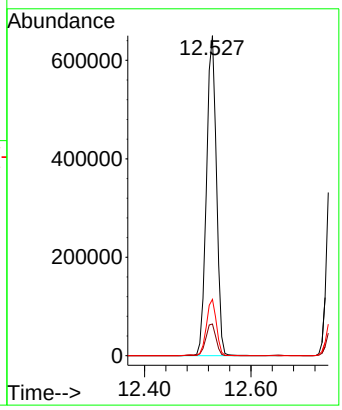


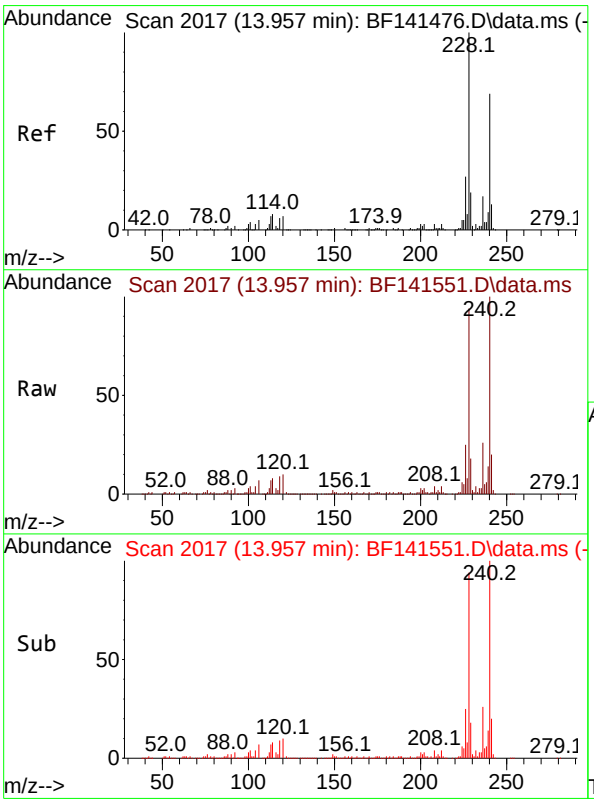
#75
Fluoranthene
Concen: 38.119 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 846154

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.6	0.0	37.6

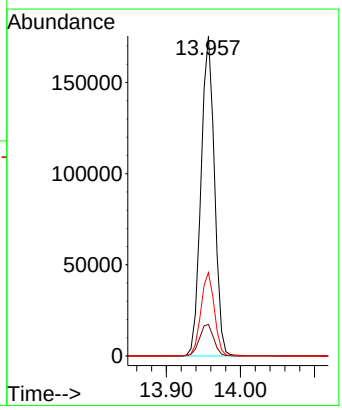


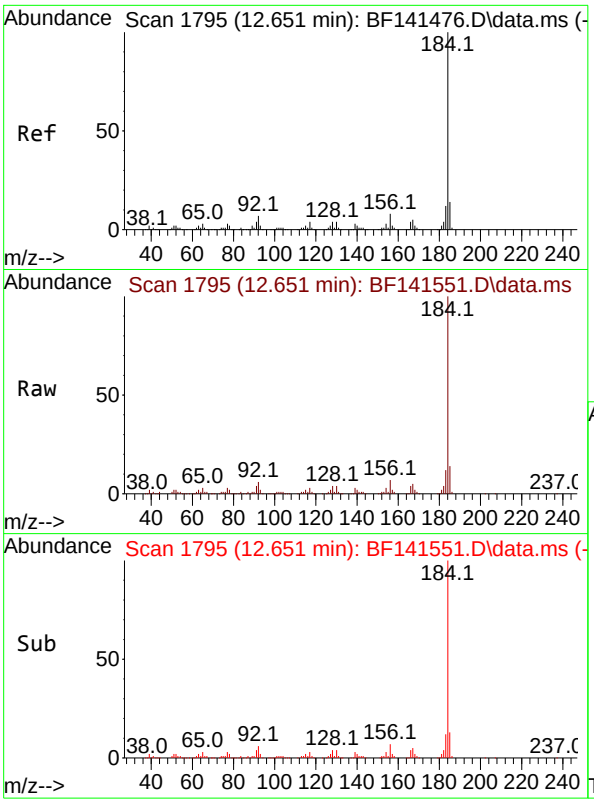


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:240 Resp: 221485

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.0	12.0
236	26.1	19.8	29.8



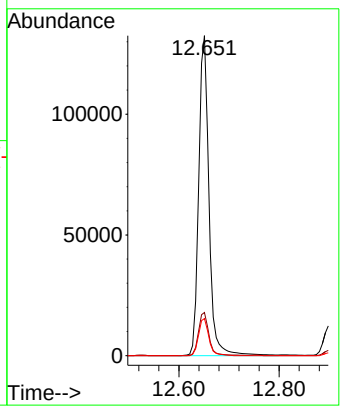


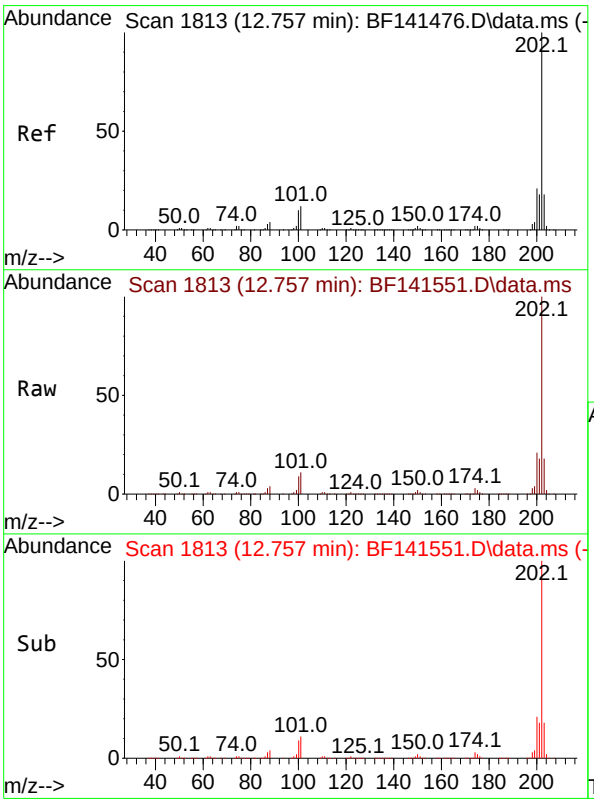
#77
Benzidine
Concen: 38.458 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 187856

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.3	16.9
183	11.6	9.3	13.9

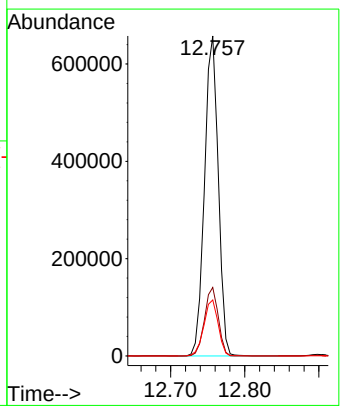


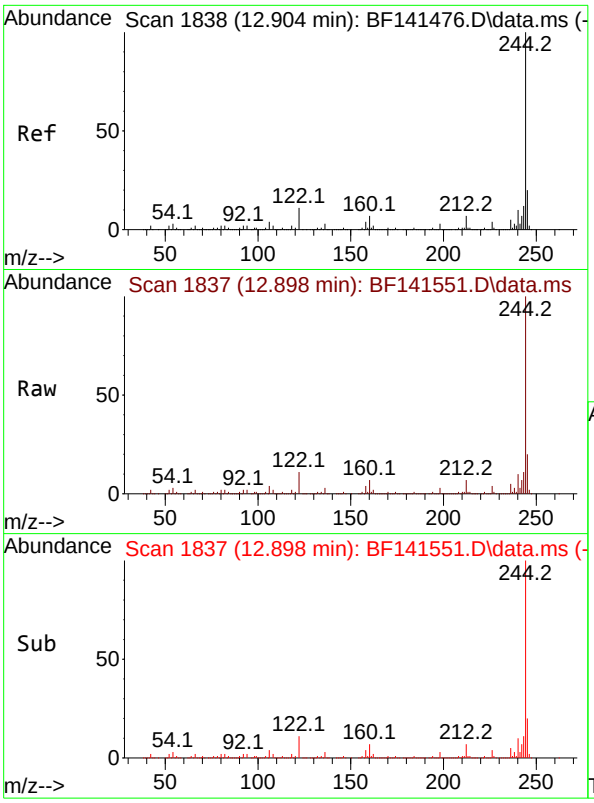


#78
Pyrene
Concen: 44.958 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:202 Resp: 847654

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.5	14.3	21.5



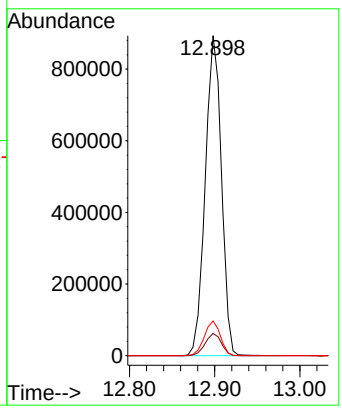


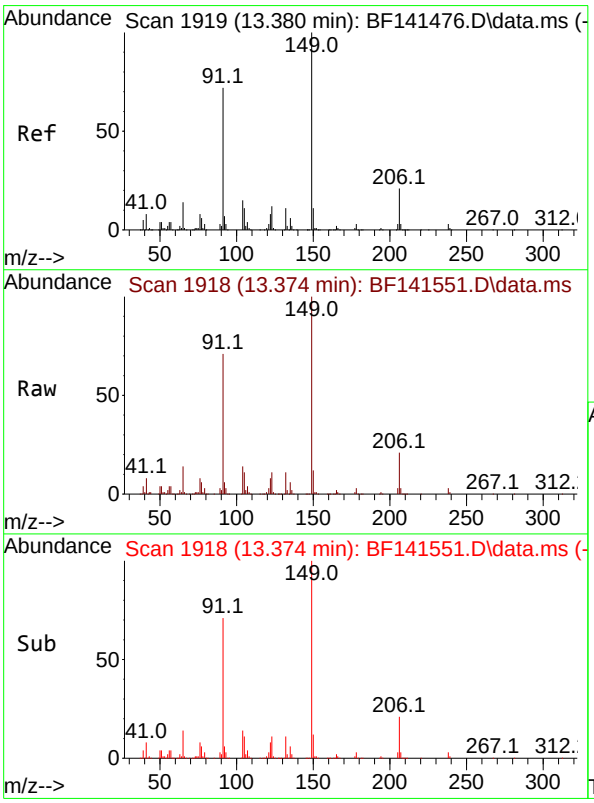
#79
Terphenyl-d14
Concen: 89.840 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1178679

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	8.4	12.6

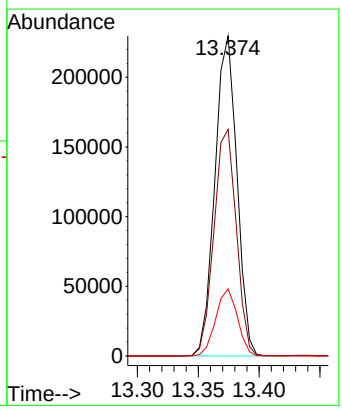


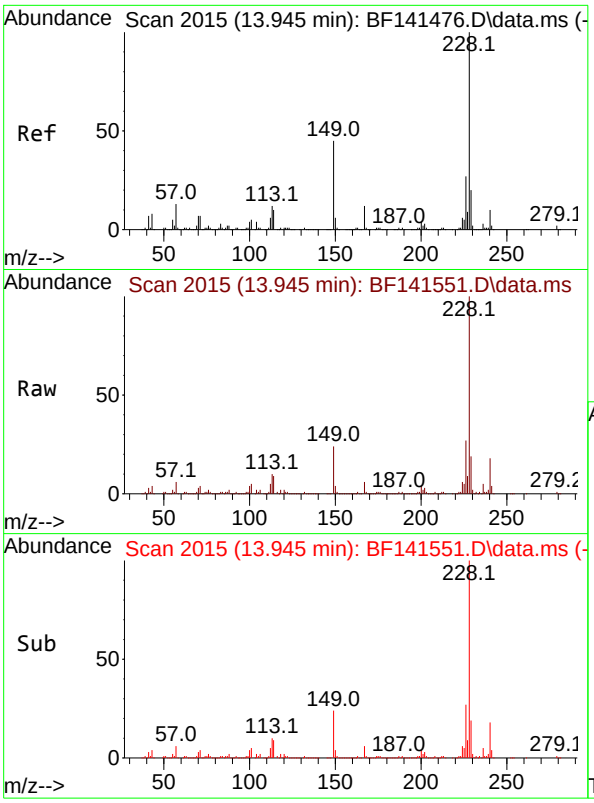


#80
Butylbenzylphthalate
Concen: 44.364 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 289726

Ion	Ratio	Lower	Upper
149	100		
91	70.8	57.8	86.8
206	21.0	16.7	25.1



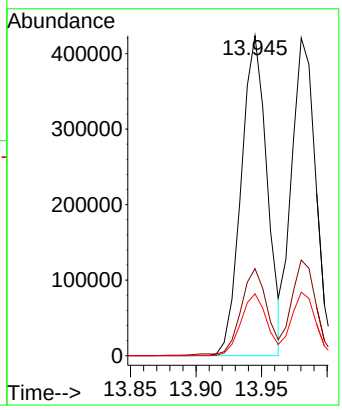


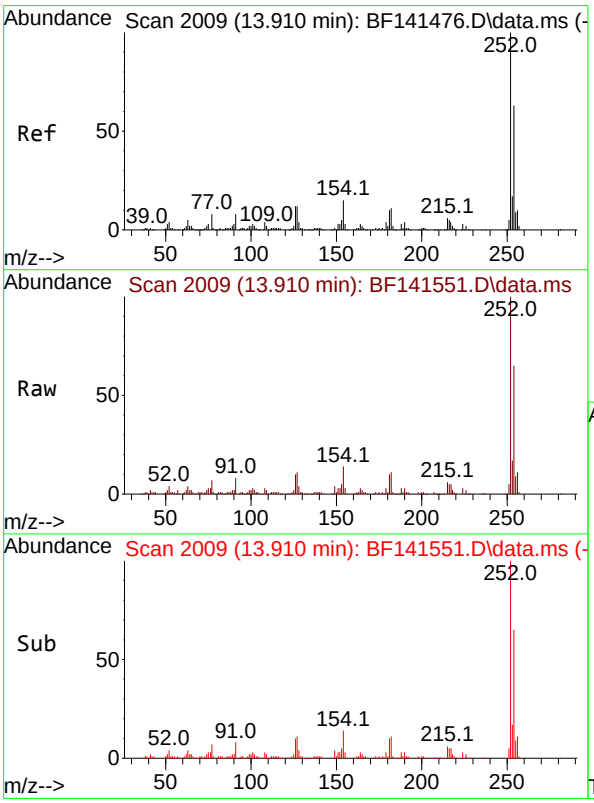
#81
Benzo(a)anthracene
Concen: 39.517 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 581807

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.4	15.8	23.6

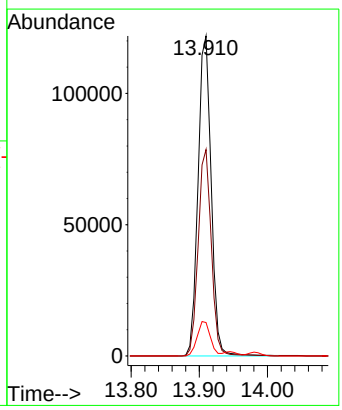


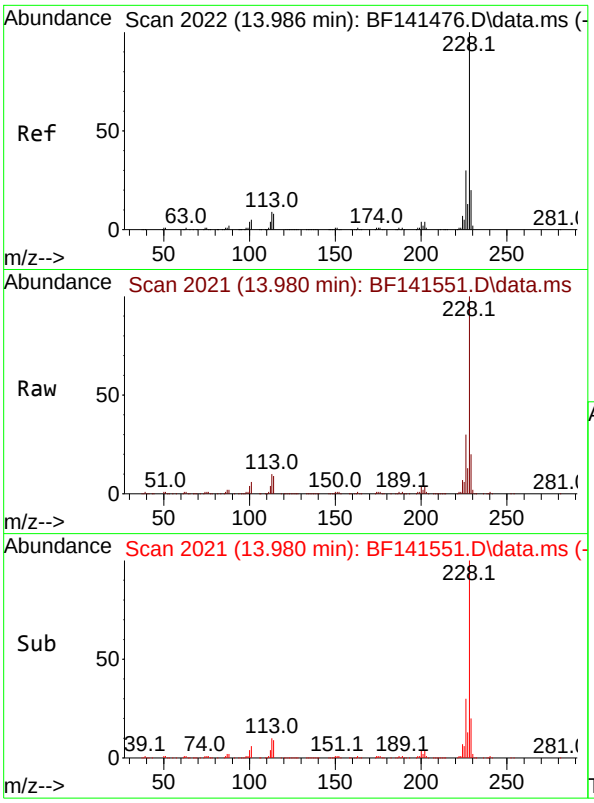


#82
3,3'-Dichlorobenzidine
Concen: 38.611 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 162839

Ion	Ratio	Lower	Upper
252	100		
254	64.5	50.6	76.0
126	10.5	9.3	13.9



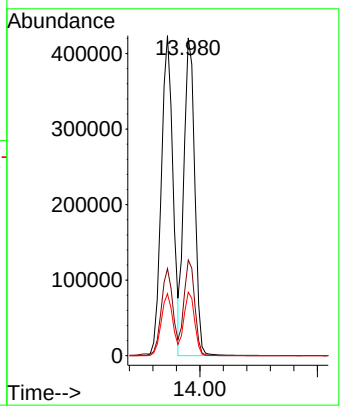


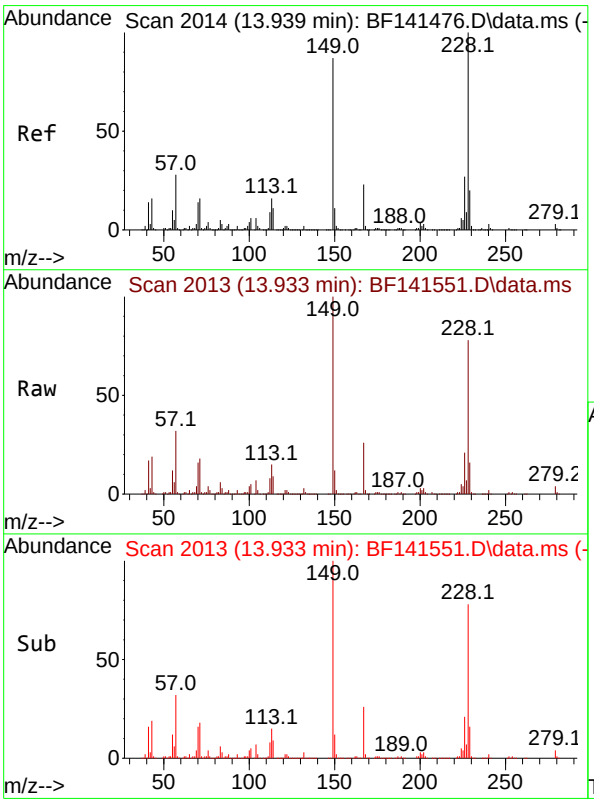
#83
Chrysene
Concen: 39.623 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 538648

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	20.0	15.7	23.5

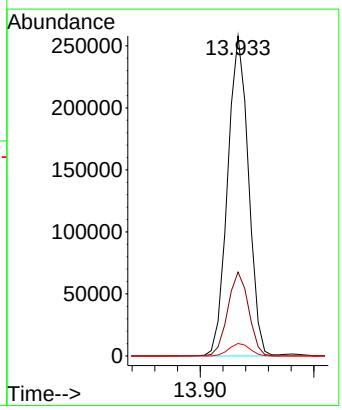


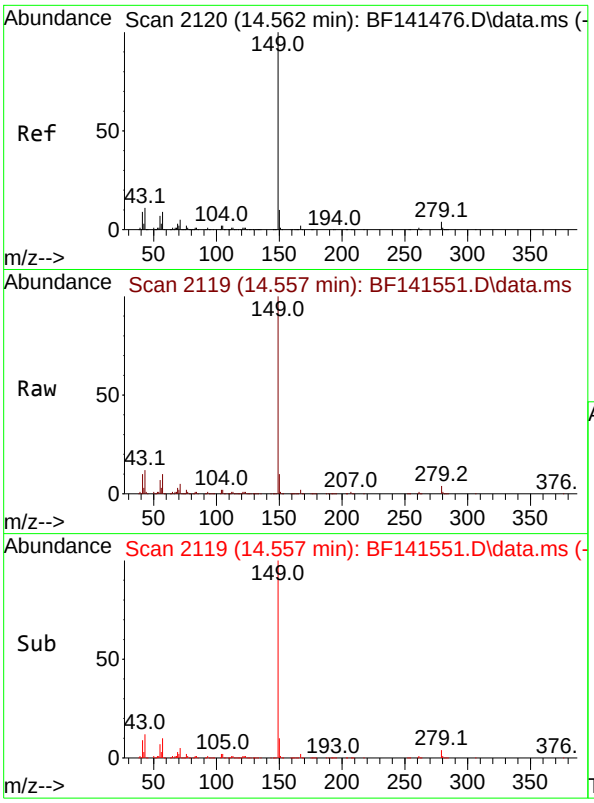


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.551 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:149 Resp: 328143

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.4	32.0
279	3.9	3.1	4.7



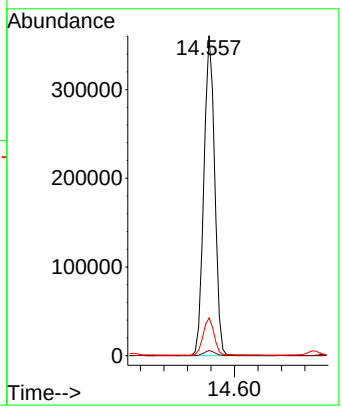


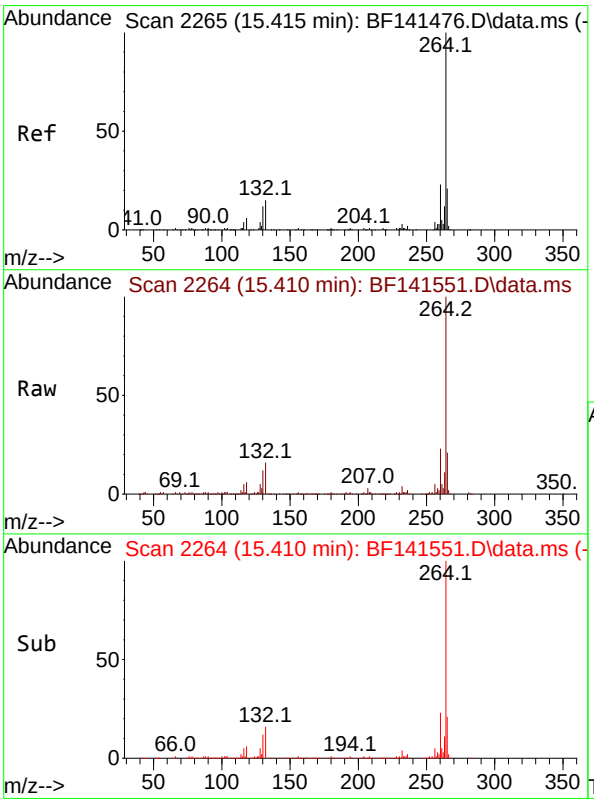
#85
Di-n-octyl phthalate
Concen: 43.848 ng
RT: 14.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 460738

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.8	9.5	14.3

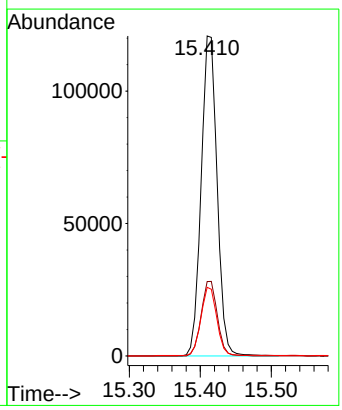


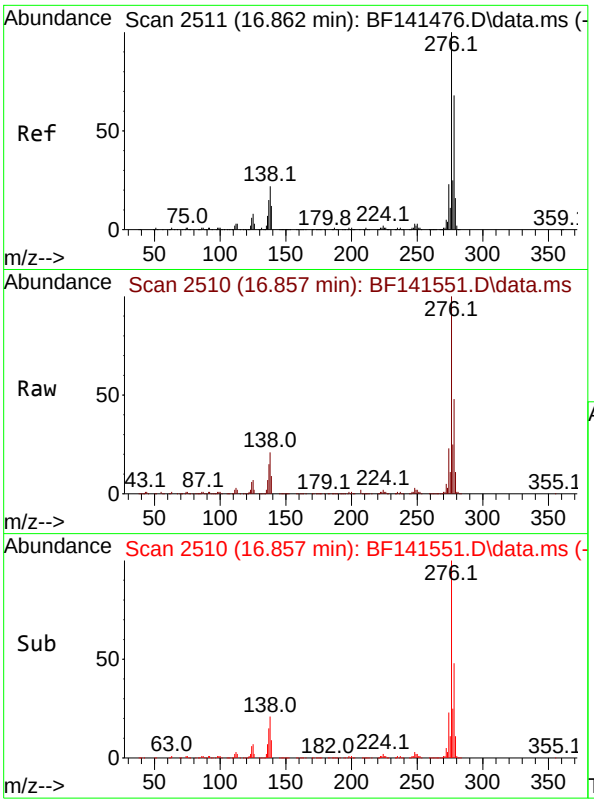


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:264 Resp: 189149

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.5	17.0	25.4



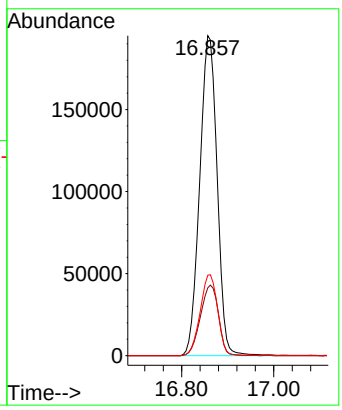


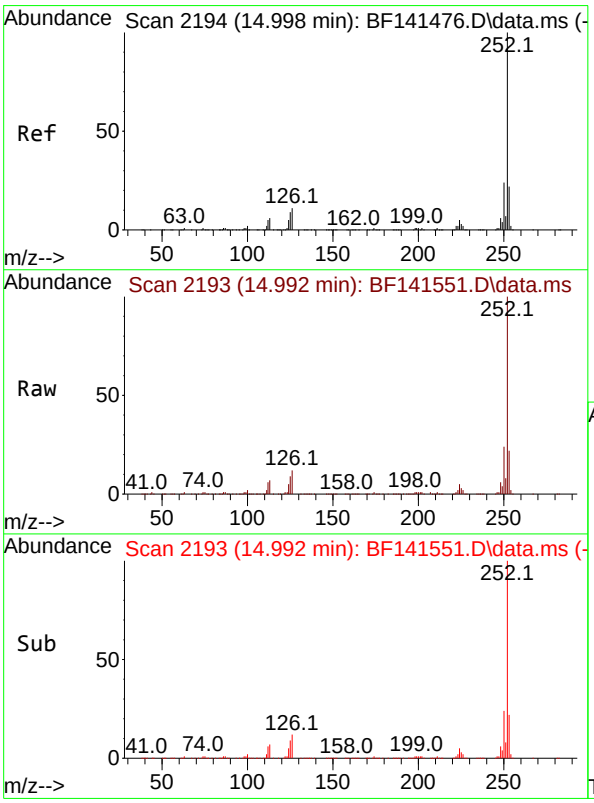
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.910 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 513192

Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.0	27.0
277	25.4	20.4	30.6

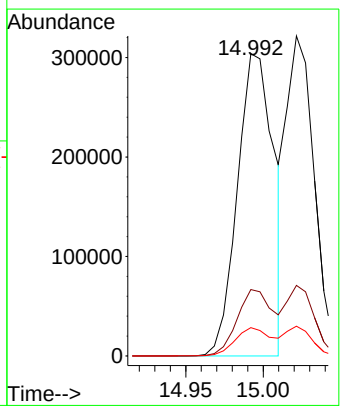


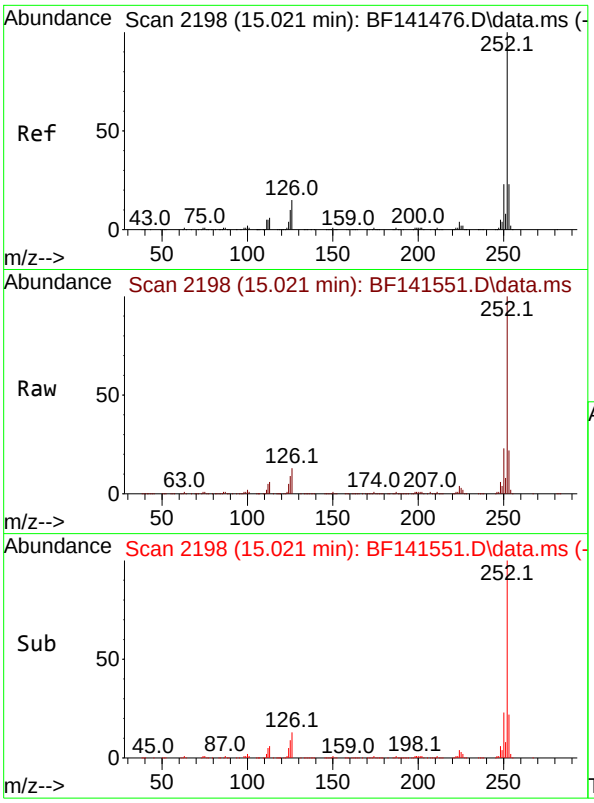


#88
Benzo(b)fluoranthene
Concen: 39.131 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 496986

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.4	7.0	10.6



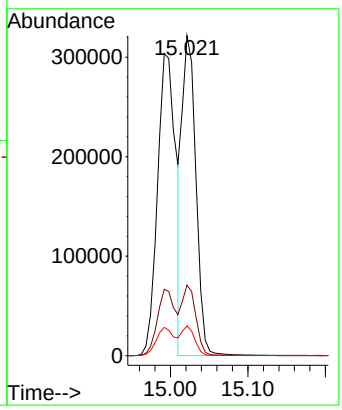


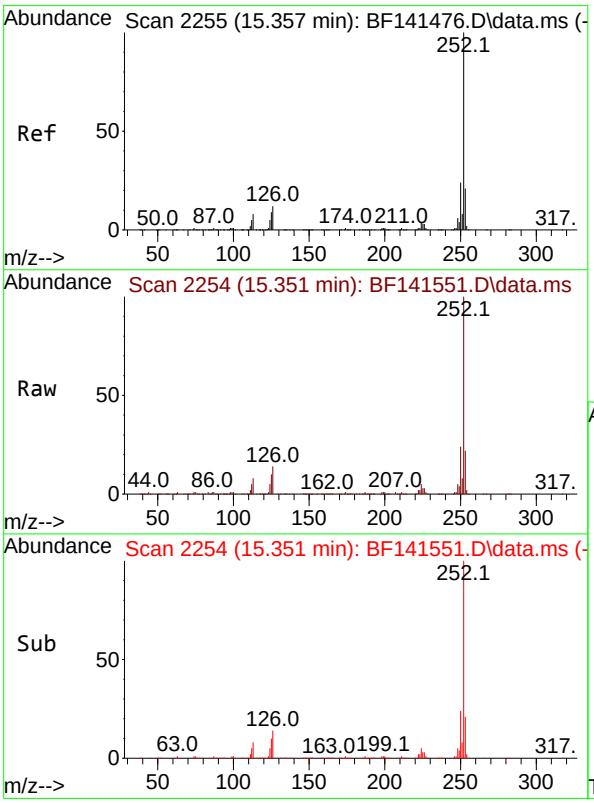
#89
Benzo(k)fluoranthene
Concen: 37.036 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 401654

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.3	7.4	11.0

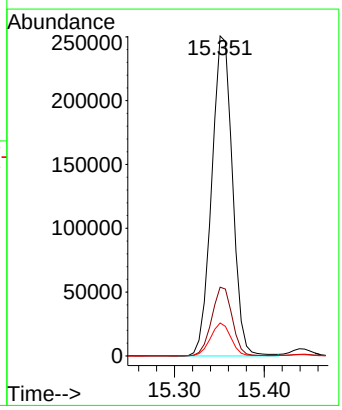


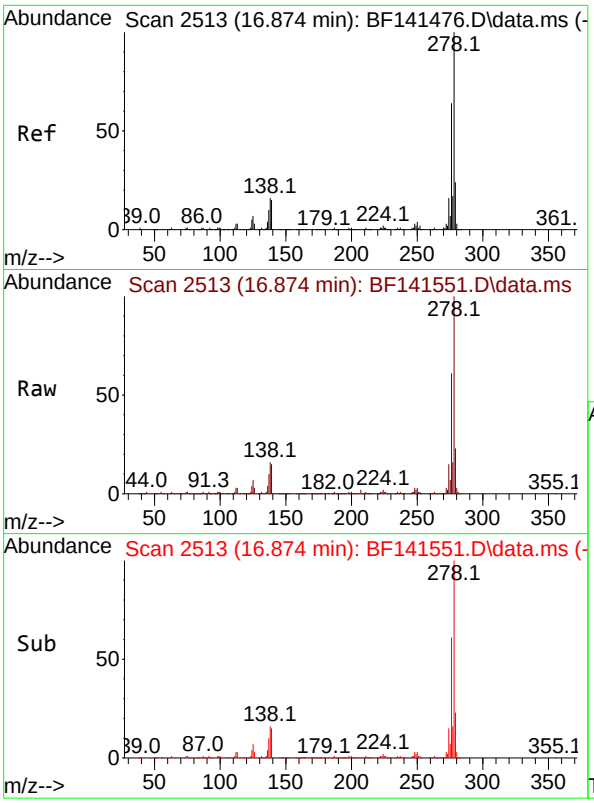


#90
Benzo(a)pyrene
Concen: 39.215 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:252 Resp: 403008

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.3	7.4	11.2



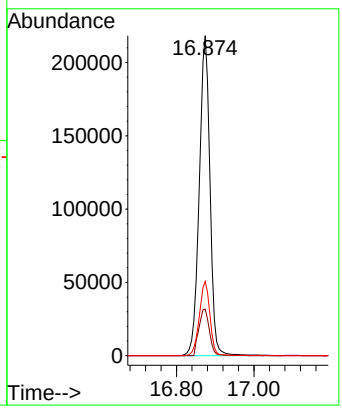


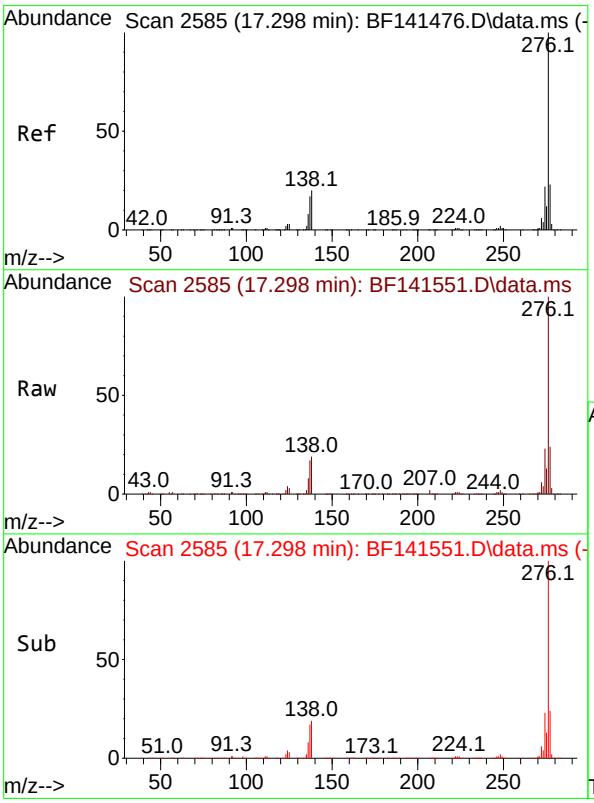
#91
Dibenzo(a,h)anthracene
Concen: 44.174 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 418333

Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.8	17.6
279	23.2	19.1	28.7

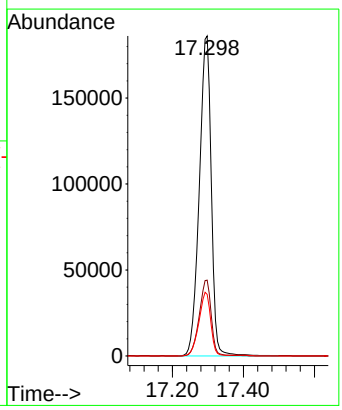




#92
Benzo(g,h,i)perylene
Concen: 44.116 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141551.D
Acq: 11 Feb 2025 10:28

Tgt Ion:276 Resp: 437196

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	19.3	15.9	23.9



Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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	113	0.00
2		1,4-Dioxane	0.513	0.499	2.7	109	0.00
3		Pyridine	1.222	1.225	-0.2	110	0.00
4		n-Nitrosodimethylamine	0.809	0.779	3.7	108	-0.02
5	S	2-Fluorophenol	1.276	1.265	0.9	111	0.00
6		Aniline	1.513	1.497	1.1	110	-0.01
7	S	Phenol-d6	1.612	1.593	1.2	112	0.00
8		2-Chlorophenol	1.378	1.375	0.2	113	0.00
9		Benzaldehyde	0.857	0.753	12.1	104	0.00
10	C	Phenol	1.678	1.648	1.8	111	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.246	1.2	111	0.00
12		1,3-Dichlorobenzene	1.455	1.456	-0.1	115	0.00
13	C	1,4-Dichlorobenzene	1.487	1.468	1.3	113	0.00
14		1,2-Dichlorobenzene	1.380	1.367	0.9	113	0.00
15		Benzyl Alcohol	1.236	1.229	0.6	110	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.126	1.5	111	0.00
17		2-Methylphenol	1.079	1.043	3.3	110	0.00
18		Hexachloroethane	0.550	0.547	0.5	112	0.00
19	P	n-Nitroso-di-n-propylamine	0.964	0.956	0.8	112	0.00
20		3+4-Methylphenols	1.371	1.332	2.8	110	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00
22		Acetophenone	0.498	0.484	2.8	111	0.00
23	S	Nitrobenzene-d5	0.383	0.379	1.0	112	0.00
24		Nitrobenzene	0.374	0.368	1.6	112	0.00
25		Isophorone	0.611	0.609	0.3	113	0.00
26	C	2-Nitrophenol	0.186	0.189	-1.6	112	0.00
27		2,4-Dimethylphenol	0.217	0.221	-1.8	113	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.398	-1.5	115	0.00
29	C	2,4-Dichlorophenol	0.294	0.295	-0.3	113	0.00
30		1,2,4-Trichlorobenzene	0.320	0.319	0.3	114	0.00
31		Naphthalene	1.041	1.028	1.2	113	0.00
32		Benzoic acid	0.226	0.215	4.9	107	-0.03
33		4-Chloroaniline	0.363	0.326	10.2	102	-0.01
34	C	Hexachlorobutadiene	0.192	0.193	-0.5	114	0.00
35		Caprolactam	0.089	0.091	-2.2	112	-0.02
36	C	4-Chloro-3-methylphenol	0.325	0.324	0.3	112	0.00
37		2-Methylnaphthalene	0.677	0.671	0.9	114	0.00
38		1-Methylnaphthalene	0.656	0.643	2.0	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	0.579	0.575	0.7	112	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.181	5.7	101	0.00
42	S	2,4,6-Tribromophenol	0.201	0.201	0.0	114	-0.01
43	C	2,4,6-Trichlorophenol	0.374	0.373	0.3	113	0.00
44		2,4,5-Trichlorophenol	0.405	0.401	1.0	111	0.00
45	S	2-Fluorobiphenyl	1.298	1.271	2.1	114	0.00
46		1,1'-Biphenyl	1.551	1.544	0.5	114	0.00
47		2-Chloronaphthalene	1.147	1.123	2.1	113	0.00

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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	0.385	0.372	3.4	109	0.00
49		Acenaphthylene	1.705	1.686	1.1	113	0.00
50		Dimethylphthalate	1.358	1.360	-0.1	115	-0.01
51		2,6-Dinitrotoluene	0.297	0.295	0.7	112	0.00
52	C	Acenaphthene	1.147	1.121	2.3	111	0.00
53		3-Nitroaniline	0.319	0.310	2.8	111	0.00
54	P	2,4-Dinitrophenol	0.176	0.181	-2.8	116	0.00
55		Dibenzofuran	1.683	1.653	1.8	113	0.00
56	P	4-Nitrophenol	0.237	0.233	1.7	106	-0.01
57		2,4-Dinitrotoluene	0.395	0.398	-0.8	114	0.00
58		Fluorene	1.301	1.291	0.8	114	0.00
59		2,3,4,6-Tetrachlorophenol	0.349	0.348	0.3	114	0.00
60		Diethylphthalate	1.336	1.353	-1.3	116	0.00
61		4-Chlorophenyl-phenylether	0.626	0.620	1.0	114	0.00
62		4-Nitroaniline	0.324	0.324	0.0	110	-0.02
63		Azobenzene	1.328	1.325	0.2	114	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	113	0.00
65		4,6-Dinitro-2-methylphenol	0.139	0.139	0.0	111	0.00
66	c	n-Nitrosodiphenylamine	0.640	0.634	0.9	114	-0.01
67		4-Bromophenyl-phenylether	0.224	0.226	-0.9	116	0.00
68		Hexachlorobenzene	0.230	0.230	0.0	114	0.00
69		Atrazine	0.192	0.174	9.4	106	0.00
70	C	Pentachlorophenol	0.147	0.147	0.0	108	0.00
71		Phenanthrene	1.101	1.067	3.1	111	0.00
72		Anthracene	1.107	1.091	1.4	114	0.00
73		Carbazole	0.996	0.961	3.5	110	0.00
74		Di-n-butylphthalate	1.150	1.169	-1.7	116	0.00
75	C	Fluoranthene	1.167	1.112	4.7	109	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.441	0.424	3.9	79	0.00
78		Pyrene	1.703	1.914	-12.4	108	0.00
79	S	Terphenyl-d14	1.185	1.330	-12.2	109	0.00
80		Butylbenzylphthalate	0.590	0.654	-10.8	105	0.00
81		Benzo(a)anthracene	1.329	1.313	1.2	96	0.00
82		3,3'-Dichlorobenzidine	0.381	0.368	3.4	96	0.00
83		Chrysene	1.228	1.216	1.0	99	-0.01
84		Bis(2-ethylhexyl)phthalate	0.665	0.741	-11.4	106	0.00
85	c	Di-n-octyl phthalate	0.949	1.040	-9.6	106	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.236	1.357	-9.8	109	-0.02
88		Benzo(b)fluoranthene	1.343	1.314	2.2	102	-0.01
89		Benzo(k)fluoranthene	1.147	1.062	7.4	96	-0.01
90	C	Benzo(a)pyrene	1.087	1.065	2.0	102	-0.01
91		Dibenzo(a,h)anthracene	1.001	1.106	-10.5	109	-0.02
92		Benzo(g,h,i)perylene	1.048	1.156	-10.3	109	-0.02

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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	113	0.00
2		1,4-Dioxane	40.000	38.862	2.8	109	0.00
3		Pyridine	40.000	40.110	-0.3	110	0.00
4		n-Nitrosodimethylamine	40.000	38.528	3.7	108	-0.02
5	S	2-Fluorophenol	80.000	79.356	0.8	111	0.00
6		Aniline	40.000	39.588	1.0	110	-0.01
7	S	Phenol-d6	80.000	79.040	1.2	112	0.00
8		2-Chlorophenol	40.000	39.889	0.3	113	0.00
9		Benzaldehyde	40.000	35.155	12.1	104	0.00
10	C	Phenol	40.000	39.274	1.8	111	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.527	1.2	111	0.00
12		1,3-Dichlorobenzene	40.000	40.029	-0.1	115	0.00
13	C	1,4-Dichlorobenzene	40.000	39.495	1.3	113	0.00
14		1,2-Dichlorobenzene	40.000	39.630	0.9	113	0.00
15		Benzyl Alcohol	40.000	39.763	0.6	110	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.413	1.5	111	0.00
17		2-Methylphenol	40.000	38.662	3.3	110	0.00
18		Hexachloroethane	40.000	39.762	0.6	112	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.642	0.9	112	0.00
20		3+4-Methylphenols	40.000	38.863	2.8	110	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	114	0.00
22		Acetophenone	40.000	38.884	2.8	111	0.00
23	S	Nitrobenzene-d5	80.000	79.150	1.1	112	0.00
24		Nitrobenzene	40.000	39.421	1.4	112	0.00
25		Isophorone	40.000	39.870	0.3	113	0.00
26	C	2-Nitrophenol	40.000	40.688	-1.7	112	0.00
27		2,4-Dimethylphenol	40.000	40.742	-1.9	113	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.602	-1.5	115	0.00
29	C	2,4-Dichlorophenol	40.000	40.207	-0.5	113	0.00
30		1,2,4-Trichlorobenzene	40.000	39.881	0.3	114	0.00
31		Naphthalene	40.000	39.496	1.3	113	0.00
32		Benzoic acid	40.000	38.109	4.7	107	-0.03
33		4-Chloroaniline	40.000	35.922	10.2	102	-0.01
34	C	Hexachlorobutadiene	40.000	40.212	-0.5	114	0.00
35		Caprolactam	40.000	40.821	-2.1	112	-0.02
36	C	4-Chloro-3-methylphenol	40.000	39.838	0.4	112	0.00
37		2-Methylnaphthalene	40.000	39.589	1.0	114	0.00
38		1-Methylnaphthalene	40.000	39.172	2.1	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	114	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.721	0.7	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.607	6.0	101	0.00
42	S	2,4,6-Tribromophenol	80.000	79.892	0.1	114	-0.01
43	C	2,4,6-Trichlorophenol	40.000	39.916	0.2	113	0.00
44		2,4,5-Trichlorophenol	40.000	39.574	1.1	111	0.00
45	S	2-Fluorobiphenyl	80.000	78.338	2.1	114	0.00
46		1,1'-Biphenyl	40.000	39.828	0.4	114	0.00
47		2-Chloronaphthalene	40.000	39.175	2.1	113	0.00

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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	38.652	3.4	109	0.00
49		Acenaphthylene	40.000	39.549	1.1	113	0.00
50		Dimethylphthalate	40.000	40.052	-0.1	115	-0.01
51		2,6-Dinitrotoluene	40.000	39.707	0.7	112	0.00
52	C	Acenaphthene	40.000	39.125	2.2	111	0.00
53		3-Nitroaniline	40.000	38.855	2.9	111	0.00
54	P	2,4-Dinitrophenol	40.000	41.042	-2.6	116	0.00
55		Dibenzofuran	40.000	39.291	1.8	113	0.00
56	P	4-Nitrophenol	40.000	39.275	1.8	106	-0.01
57		2,4-Dinitrotoluene	40.000	40.316	-0.8	114	0.00
58		Fluorene	40.000	39.674	0.8	114	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.919	0.2	114	0.00
60		Diethylphthalate	40.000	40.508	-1.3	116	0.00
61		4-Chlorophenyl-phenylether	40.000	39.647	0.9	114	0.00
62		4-Nitroaniline	40.000	39.968	0.1	110	-0.02
63		Azobenzene	40.000	39.907	0.2	114	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	113	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.960	0.1	111	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.639	0.9	114	-0.01
67		4-Bromophenyl-phenylether	40.000	40.475	-1.2	116	0.00
68		Hexachlorobenzene	40.000	39.915	0.2	114	0.00
69		Atrazine	40.000	36.159	9.6	106	0.00
70	C	Pentachlorophenol	40.000	39.974	0.1	108	0.00
71		Phenanthrene	40.000	38.758	3.1	111	0.00
72		Anthracene	40.000	39.440	1.4	114	0.00
73		Carbazole	40.000	38.584	3.5	110	0.00
74		Di-n-butylphthalate	40.000	40.683	-1.7	116	0.00
75	C	Fluoranthene	40.000	38.119	4.7	109	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	38.458	3.9	79	0.00
78		Pyrene	40.000	44.958	-12.4	108	0.00
79	S	Terphenyl-d14	80.000	89.840	-12.3	109	0.00
80		Butylbenzylphthalate	40.000	44.364	-10.9	105	0.00
81		Benzo(a)anthracene	40.000	39.517	1.2	96	0.00
82		3,3'-Dichlorobenzidine	40.000	38.611	3.5	96	0.00
83		Chrysene	40.000	39.623	0.9	99	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	44.551	-11.4	106	0.00
85	c	Di-n-octyl phthalate	40.000	43.848	-9.6	106	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.910	-9.8	109	-0.02
88		Benzo(b)fluoranthene	40.000	39.131	2.2	102	-0.01
89		Benzo(k)fluoranthene	40.000	37.036	7.4	96	-0.01
90	C	Benzo(a)pyrene	40.000	39.215	2.0	102	-0.01
91		Dibenzo(a,h)anthracene	40.000	44.174	-10.4	109	-0.02
92		Benzo(g,h,i)perylene	40.000	44.116	-10.3	109	-0.02

Sample Results: **BF141551.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141551.D
Acq On : 11 Feb 2025 10:28
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 11 11:06:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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

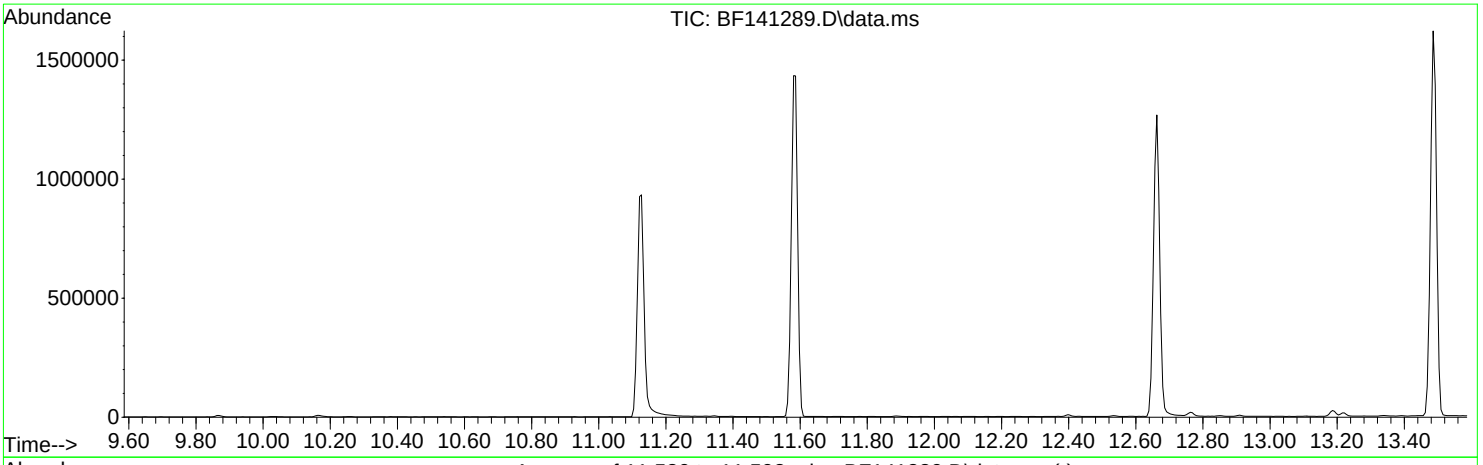
Sample Results: **BF141289.D**

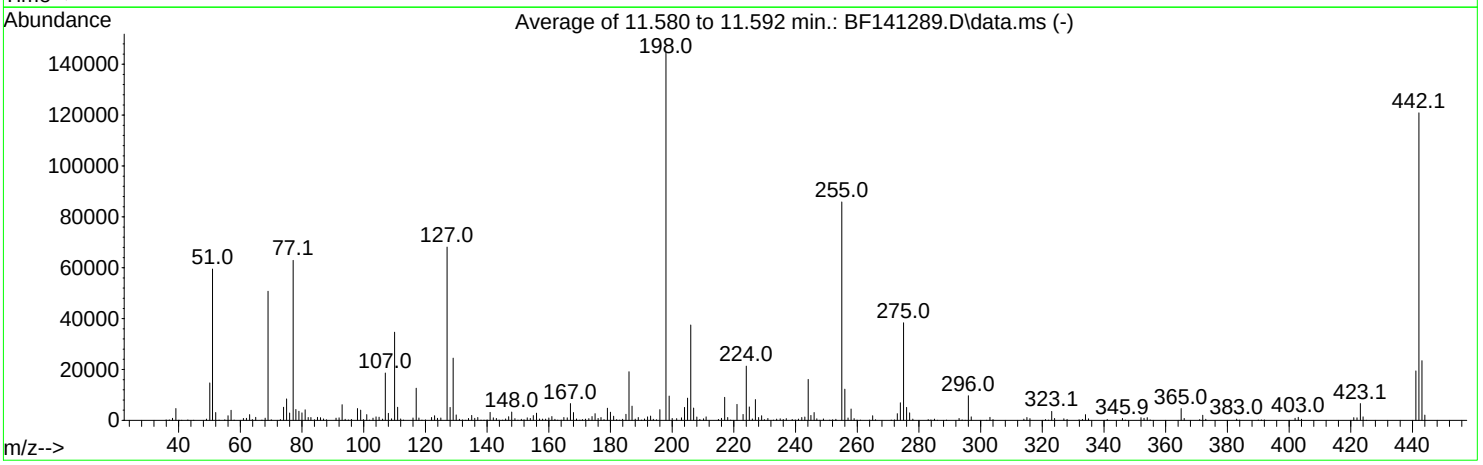
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

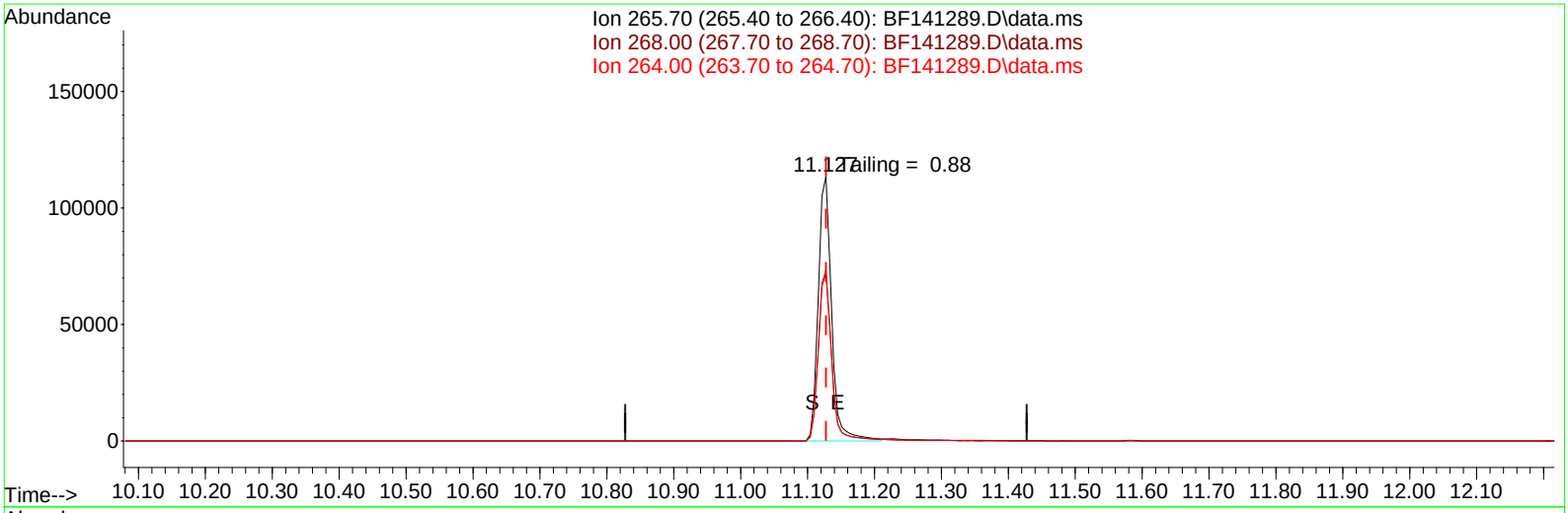
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	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

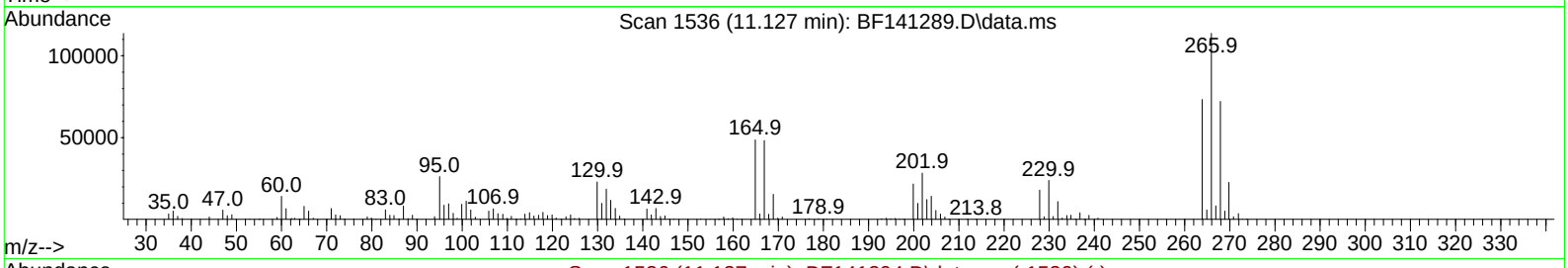
Sample Results: **BF141289.D**

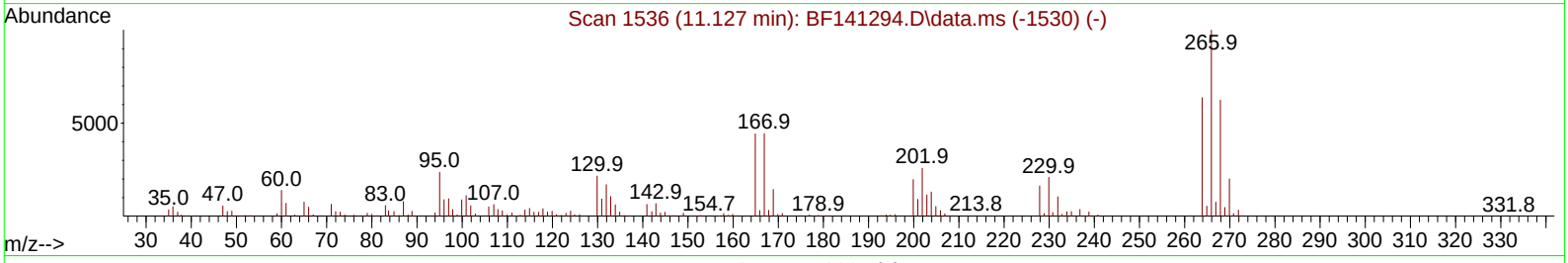
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

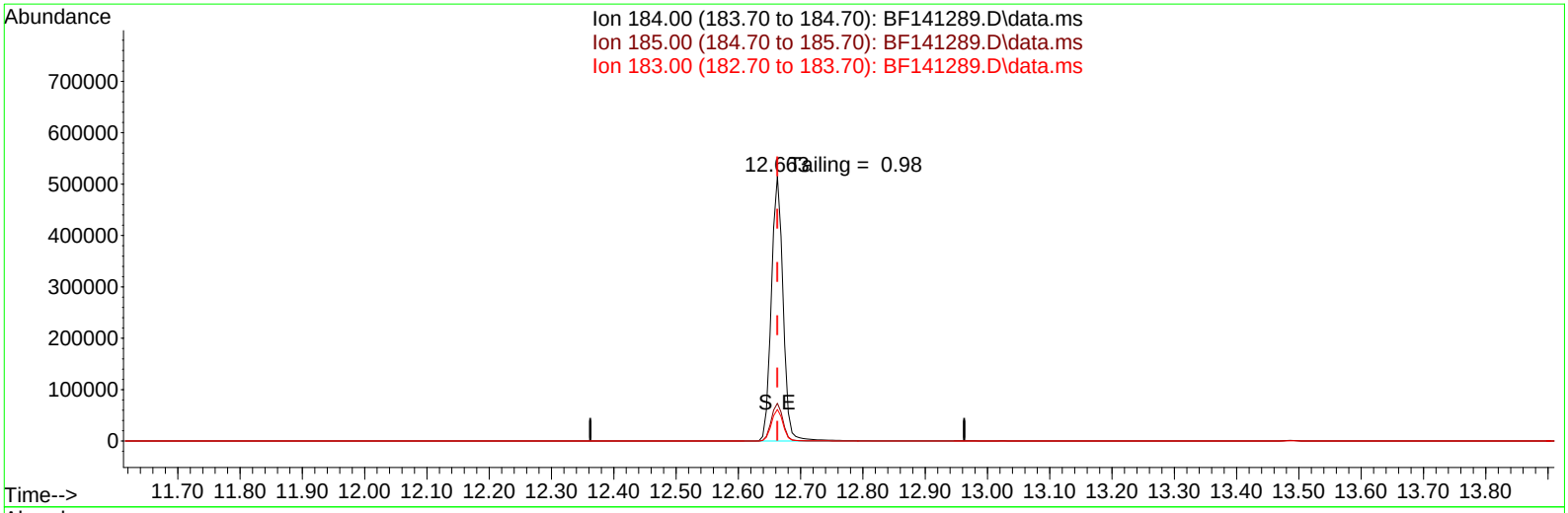
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

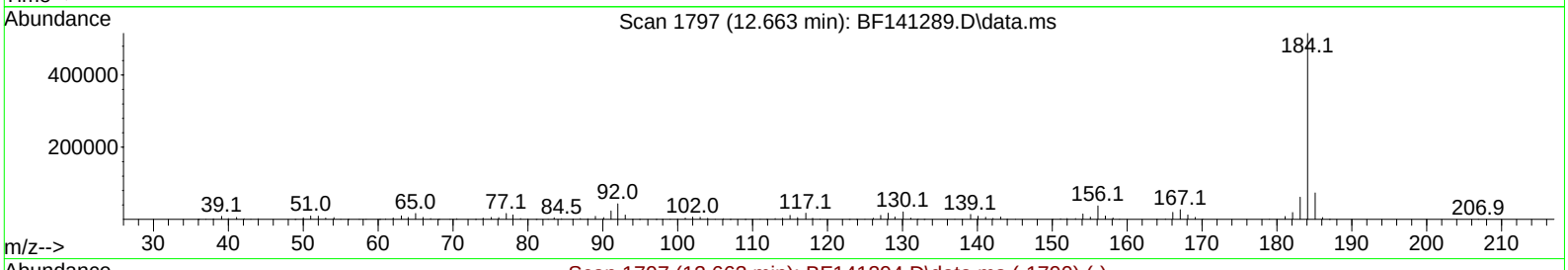
Sample Results: **BF141289.D**

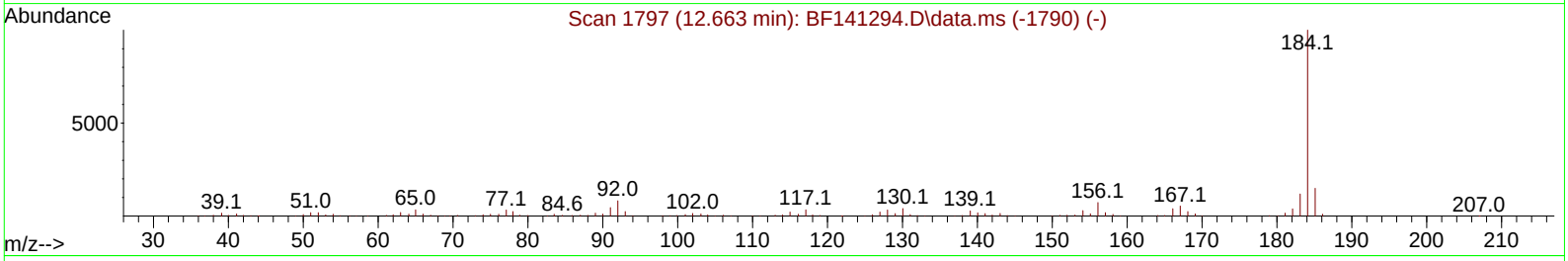
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

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

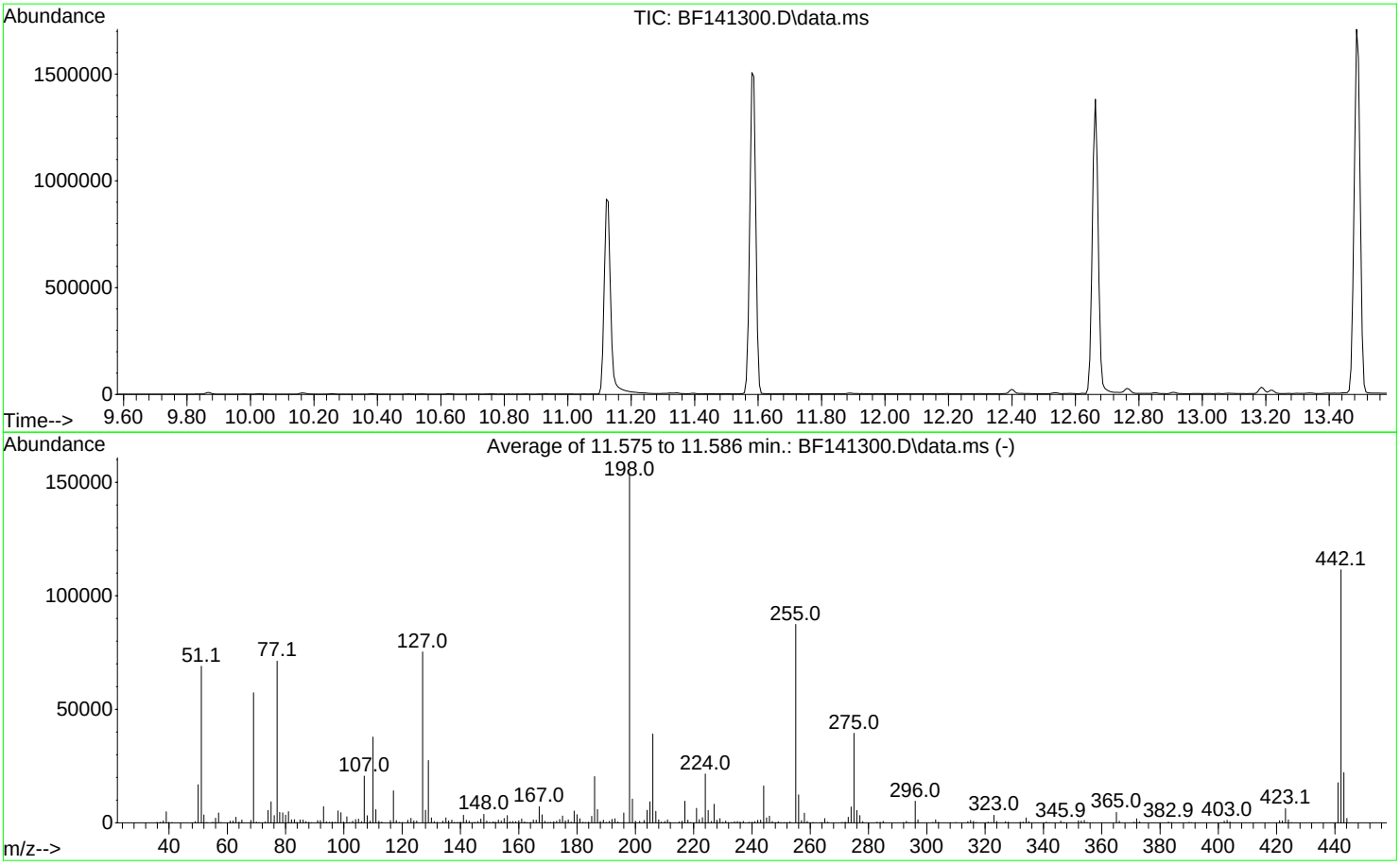
Sample Results: **BF141300.D**

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

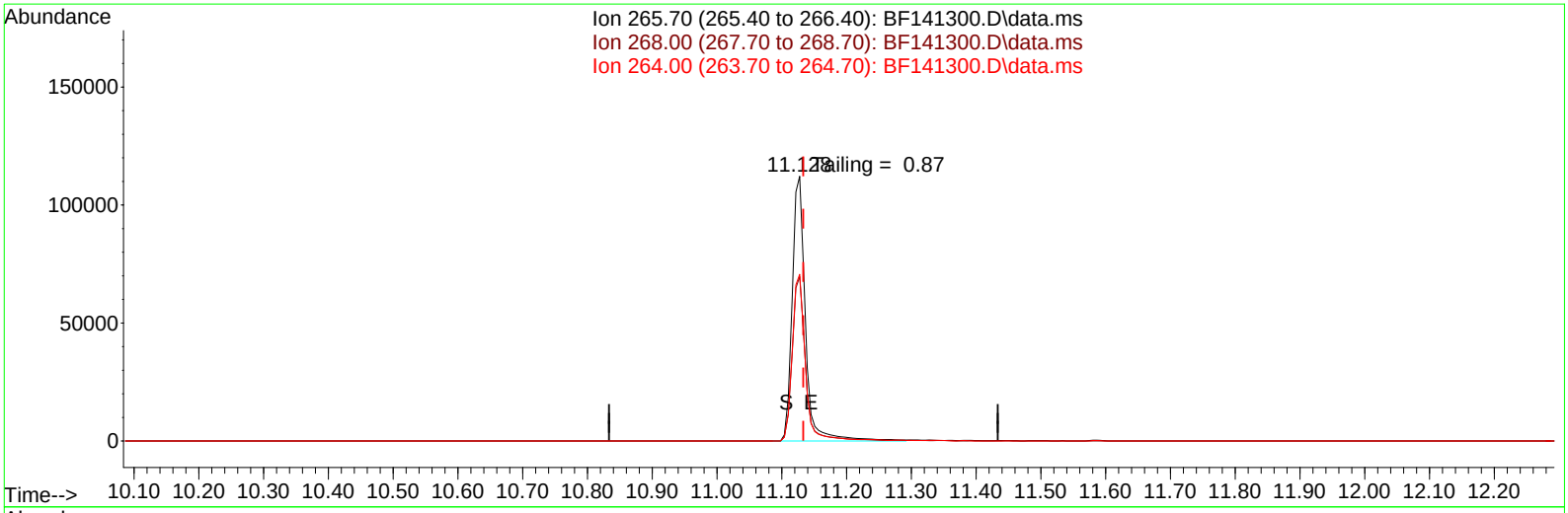
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	68947	PASS
68	69	0.00	2	1.9	1080	PASS
69	198	0.00	100	37.4	57275	PASS
70	69	0.00	2	0.6	350	PASS
127	198	10	80	49.1	75275	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153189	PASS
199	198	5	9	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

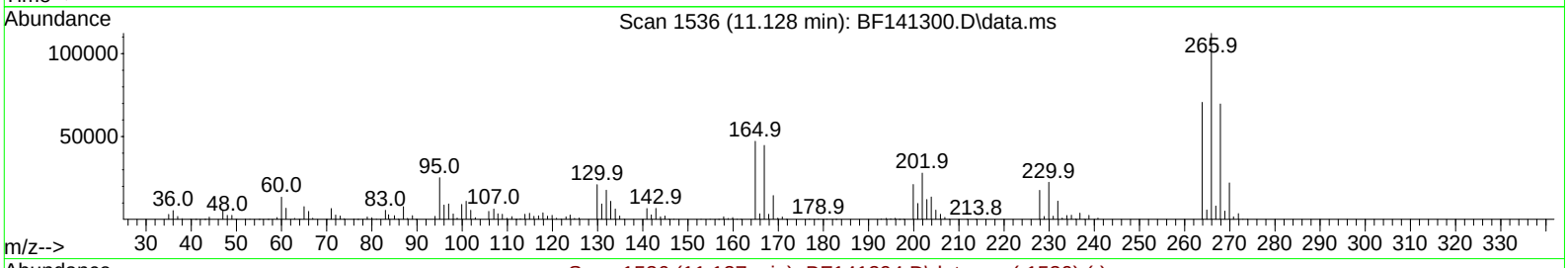
Sample Results: **BF141300.D**

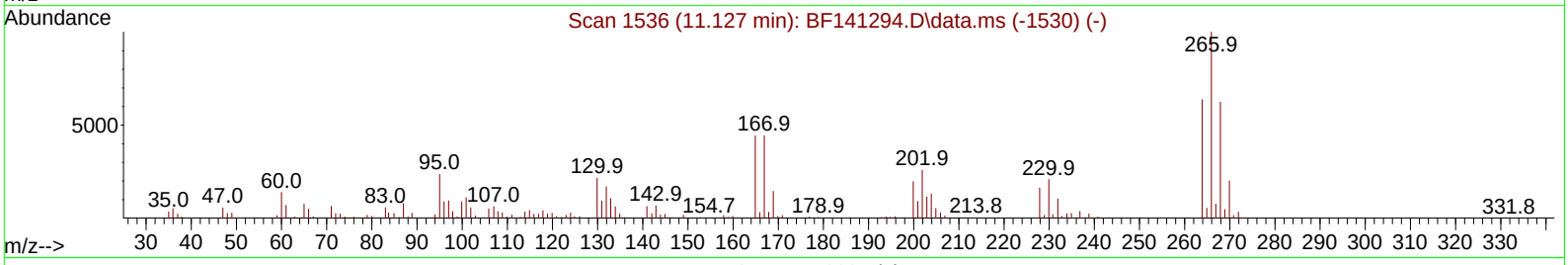
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

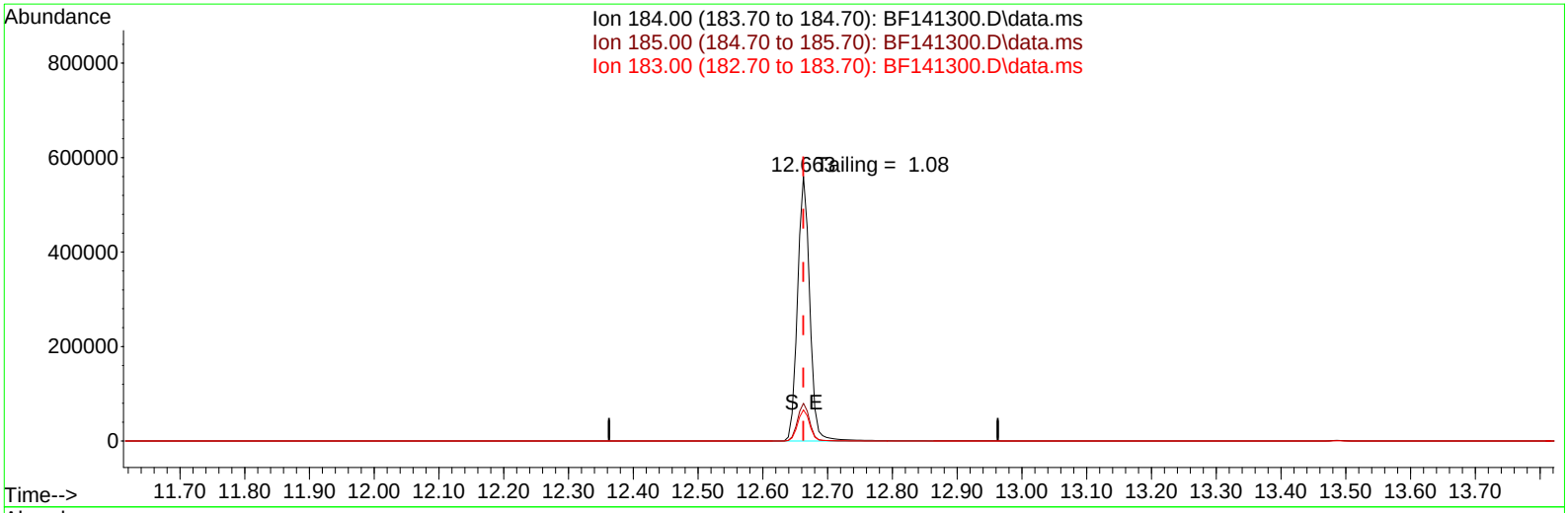
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.08
264.00	63.70	62.98
0.00	0.00	0.00

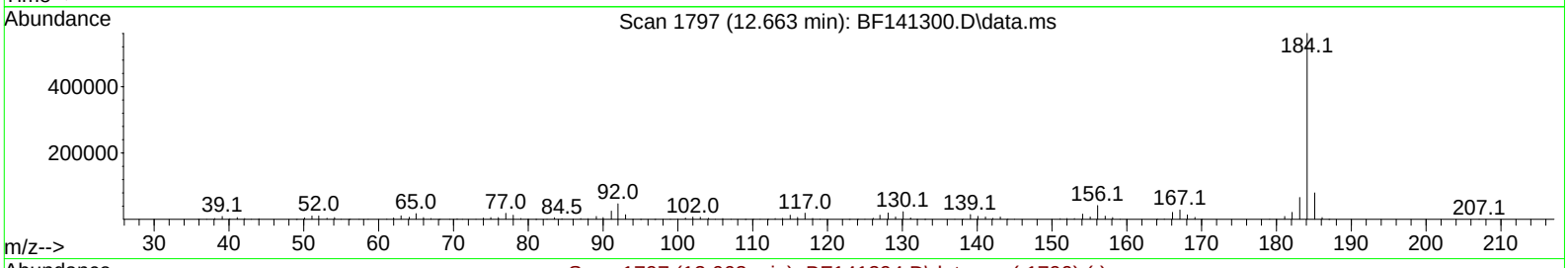
Sample Results: **BF141300.D**

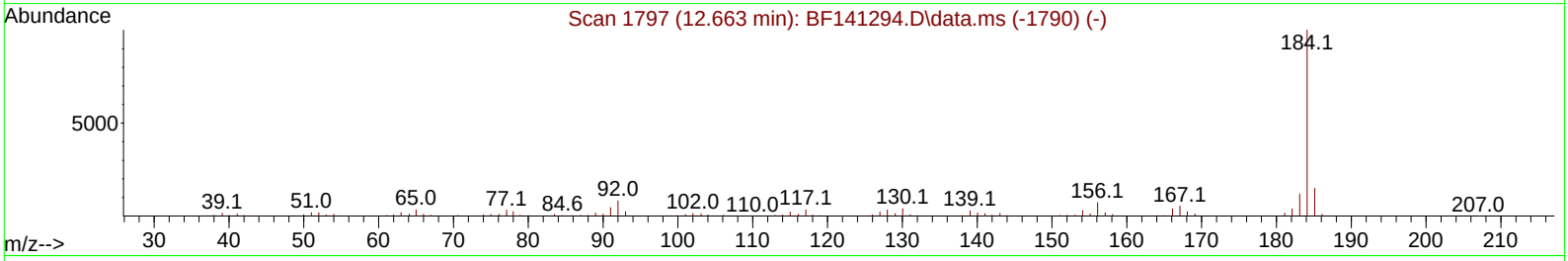
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

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

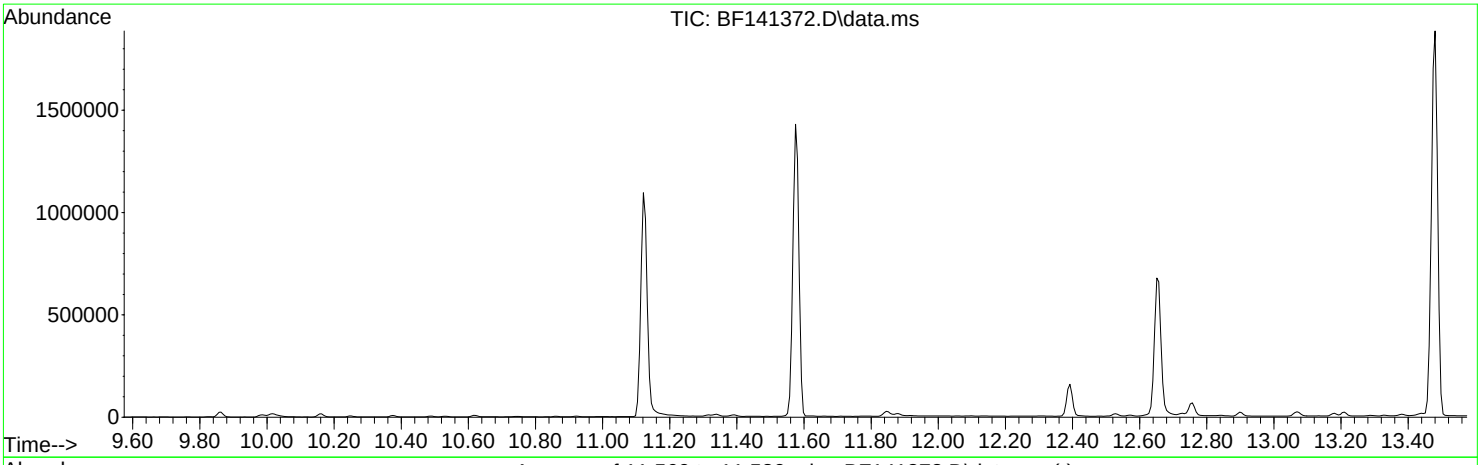
Sample Results: **BF141372.D**

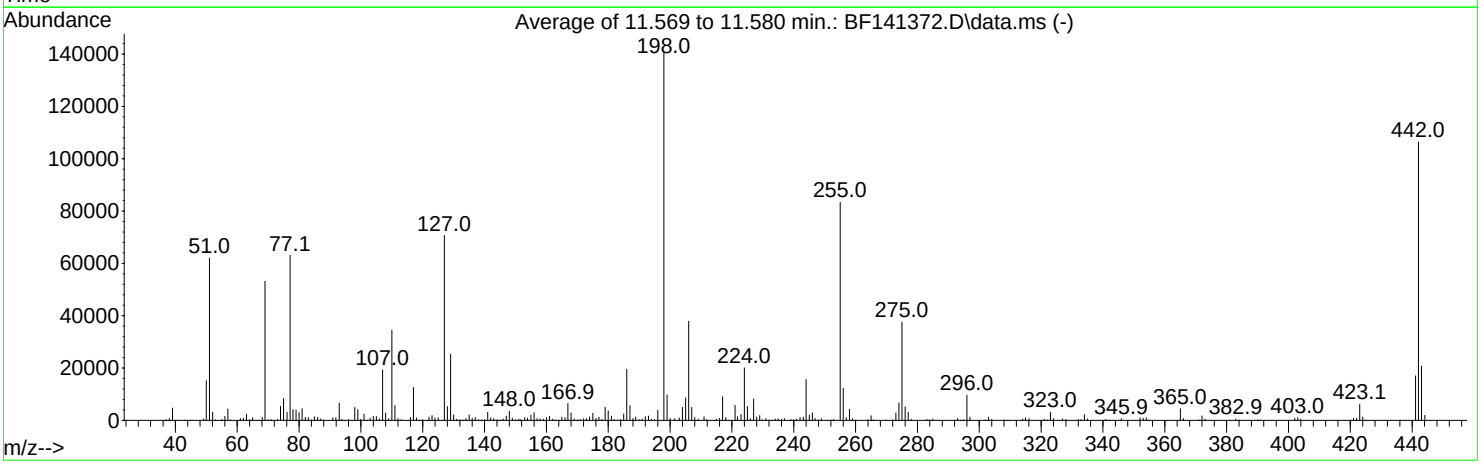
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

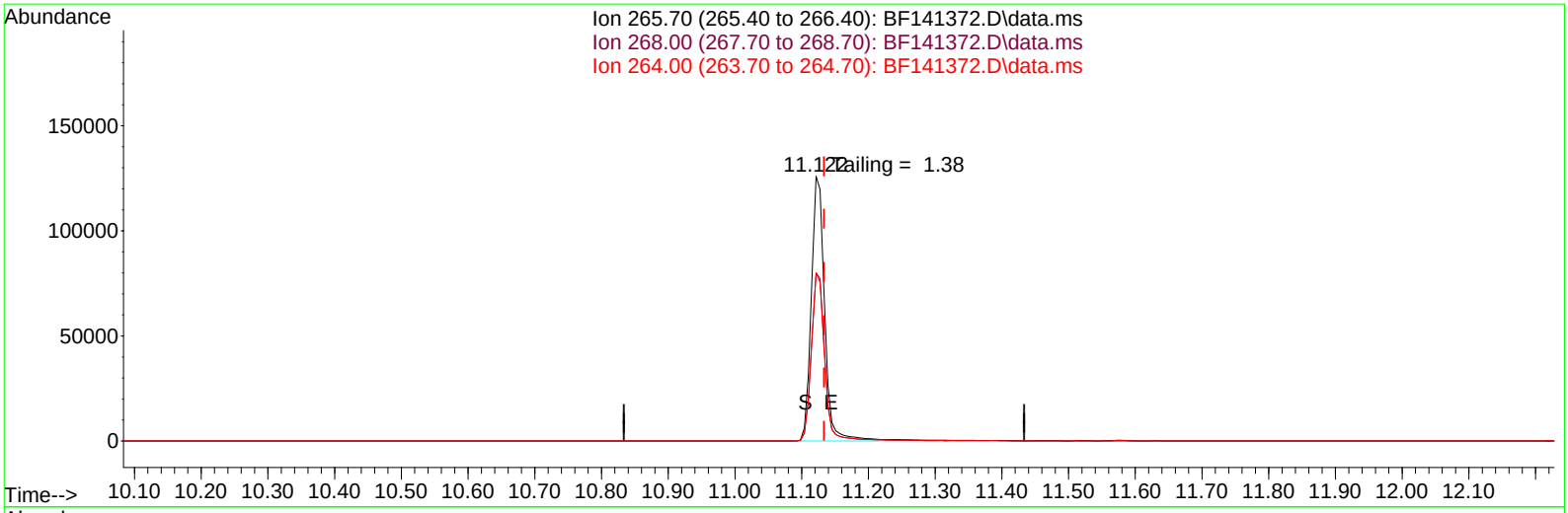
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.1	61981	PASS
68	69	0.00	2	2.0	1060	PASS
69	198	0.00	100	37.8	53141	PASS
70	69	0.00	2	0.6	326	PASS
127	198	10	80	50.3	70667	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	140589	PASS
199	198	5	9	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

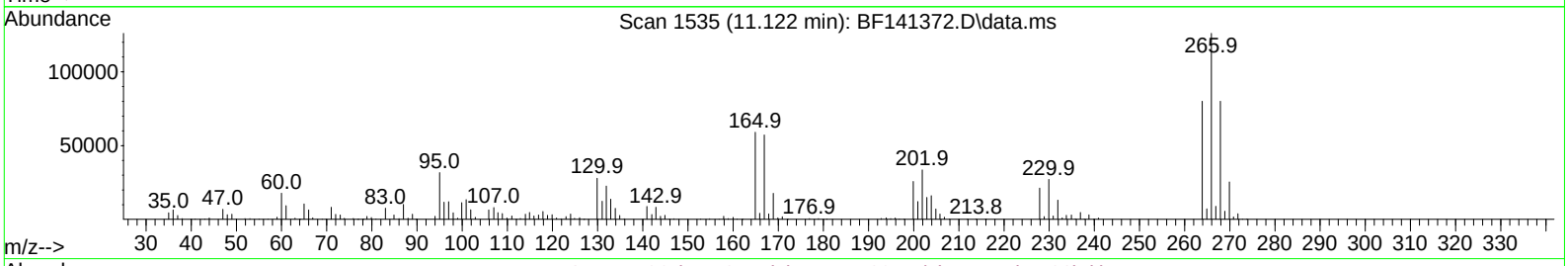
Sample Results: **BF141372.D**

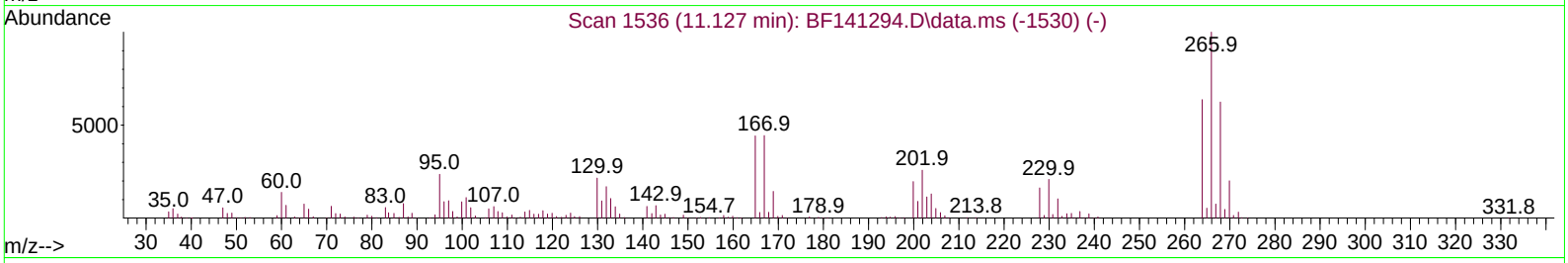
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

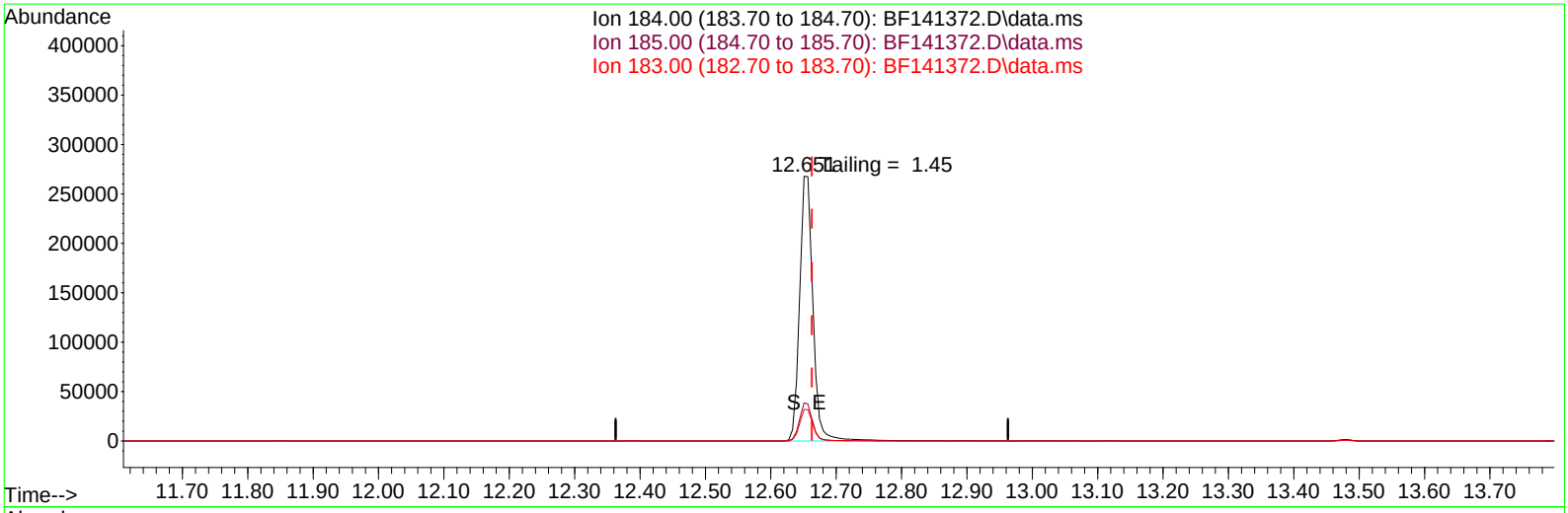
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.54
264.00	63.70	63.51
0.00	0.00	0.00

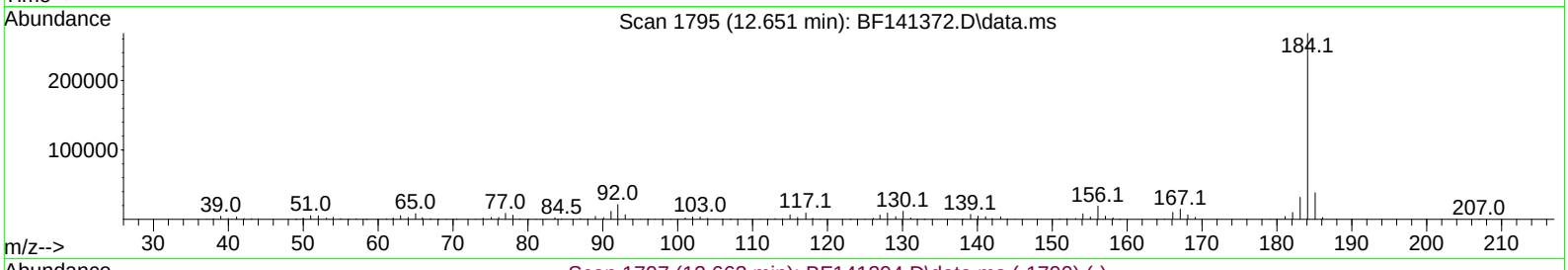
Sample Results: **BF141372.D**

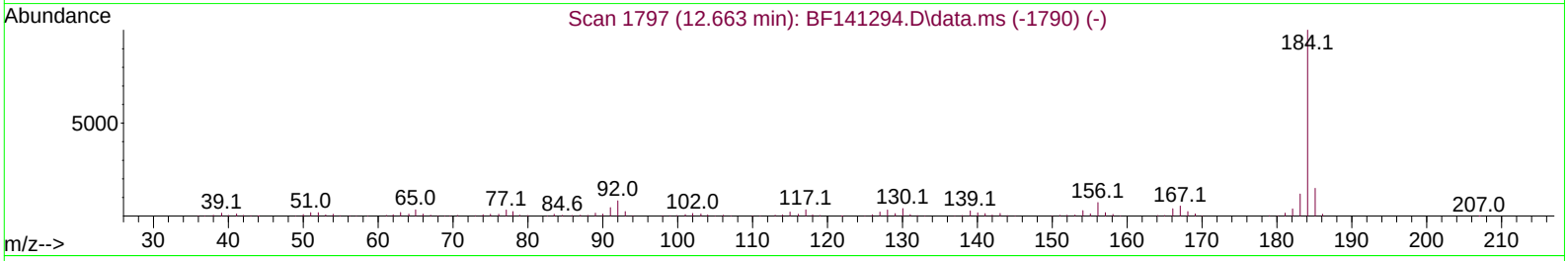
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

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

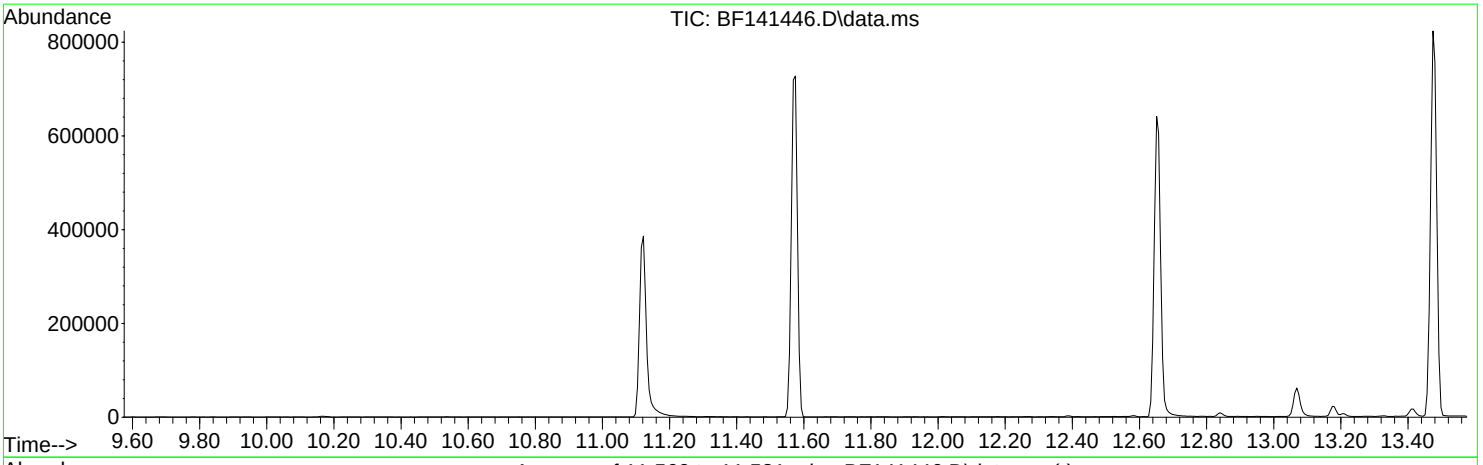
Sample Results: **BF141446.D**

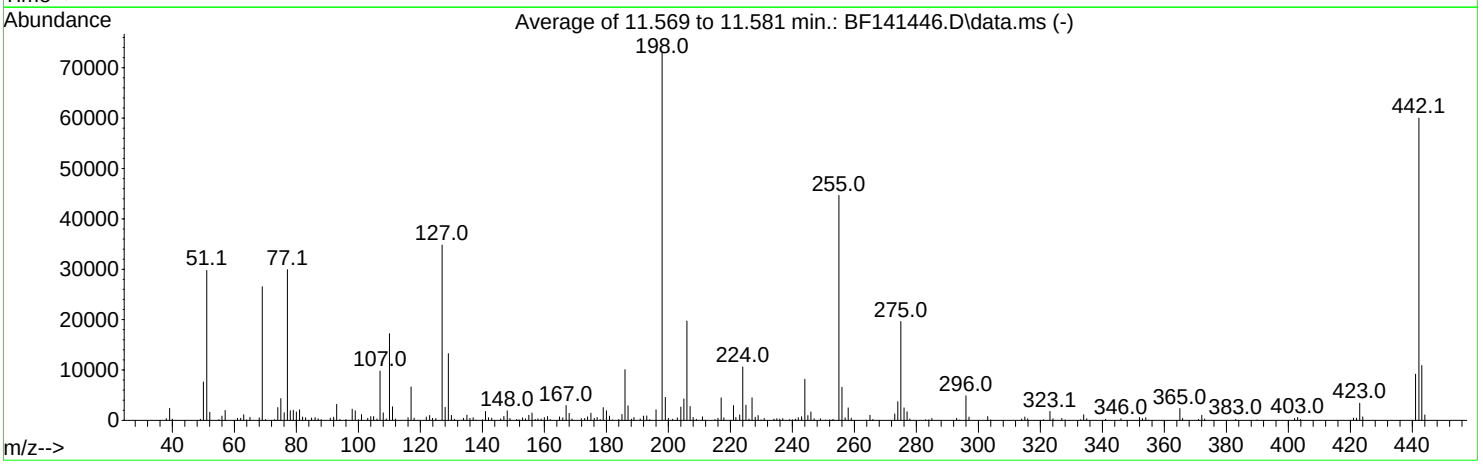
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141446.D
Acq On : 05 Feb 2025 14:50
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

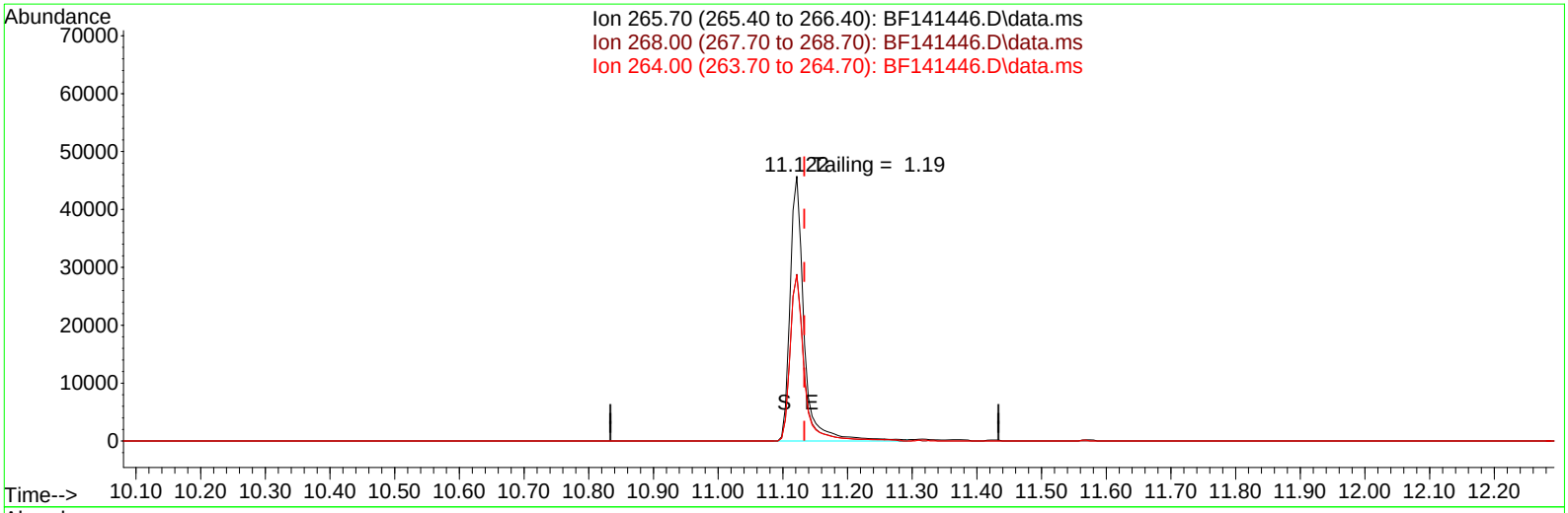
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.8	29779	PASS
68	69	0.00	2	1.9	505	PASS
69	198	0.00	100	36.3	26508	PASS
70	69	0.00	2	0.6	149	PASS
127	198	10	80	47.7	34819	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	73027	PASS
199	198	5	9	6.3	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

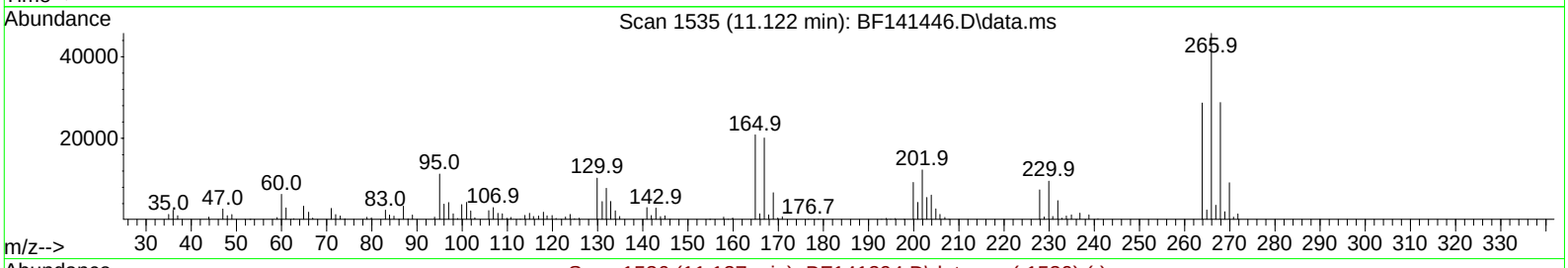
Sample Results: **BF141446.D**

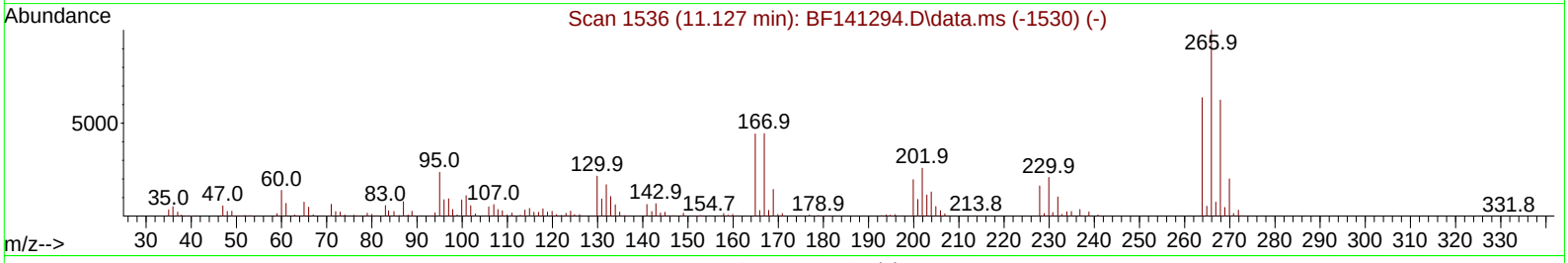
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141446.D
Acq On : 05 Feb 2025 14:50
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

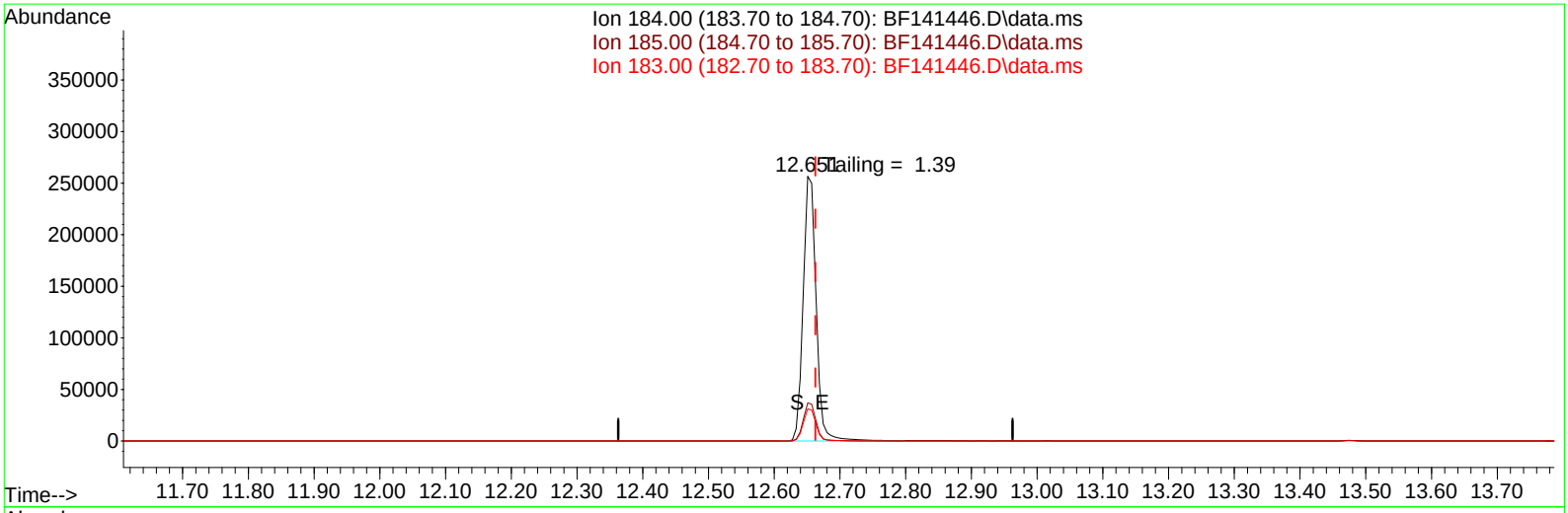
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.95
264.00	63.70	62.66
0.00	0.00	0.00

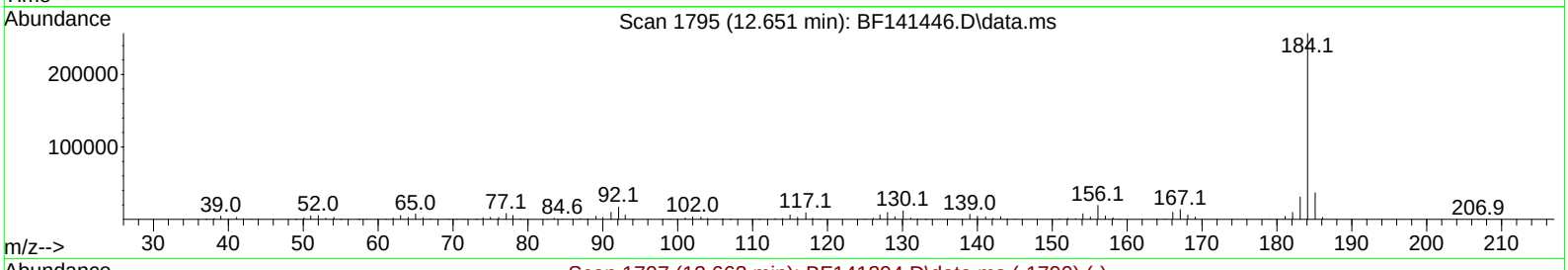
Sample Results: **BF141446.D**

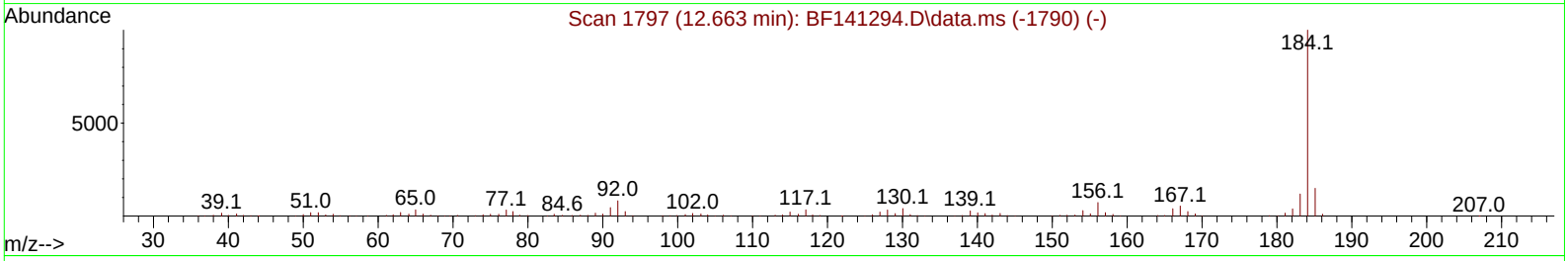
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141446.D
Acq On : 05 Feb 2025 14:50
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

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

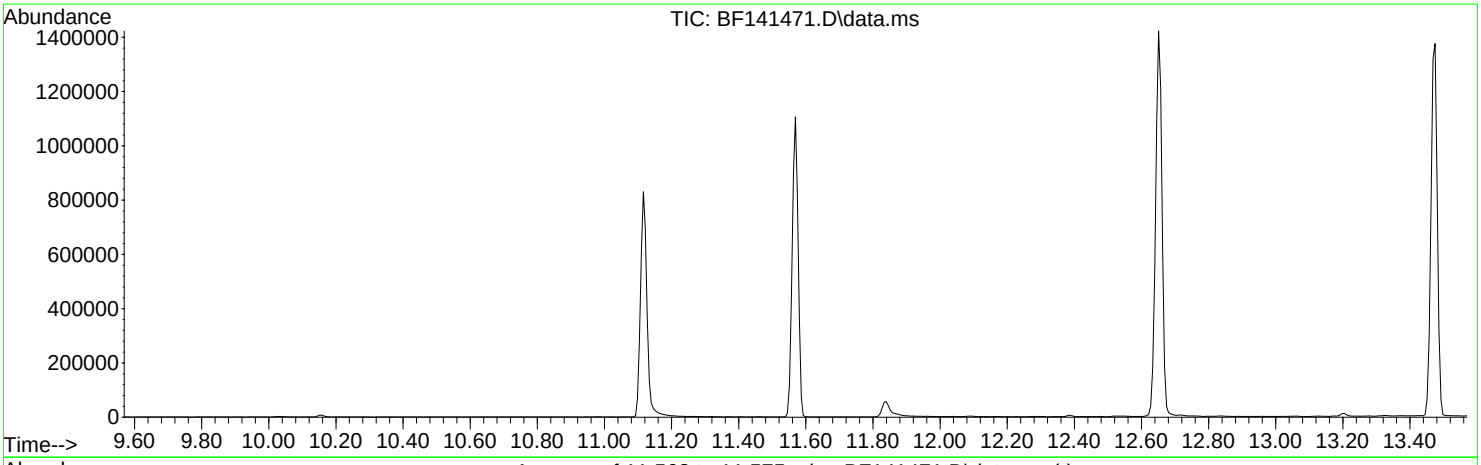
Sample Results: **BF141471.D**

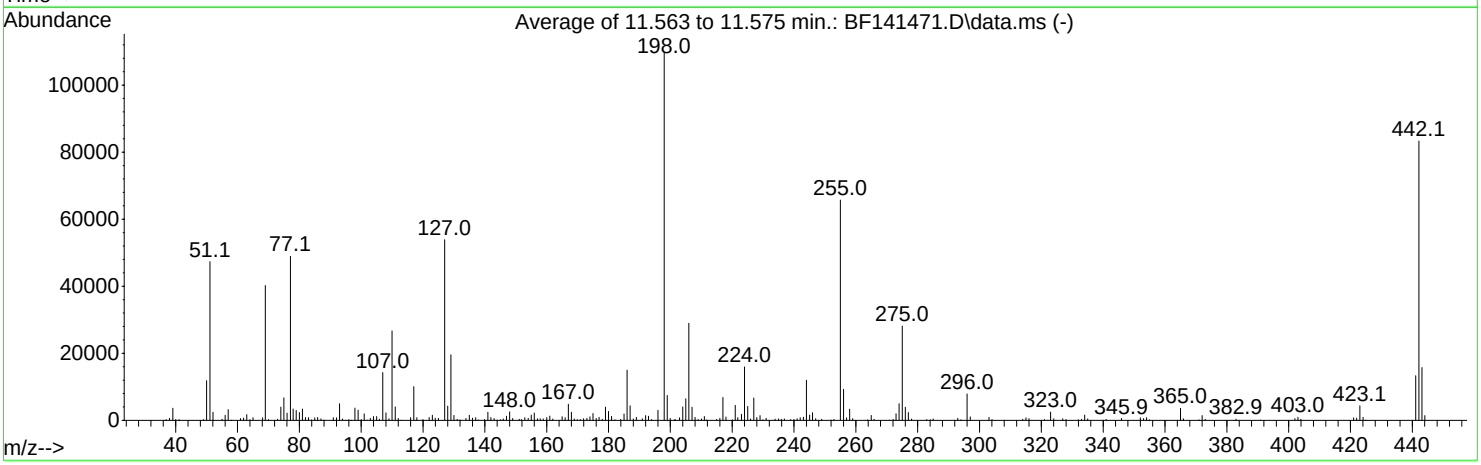
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025





AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

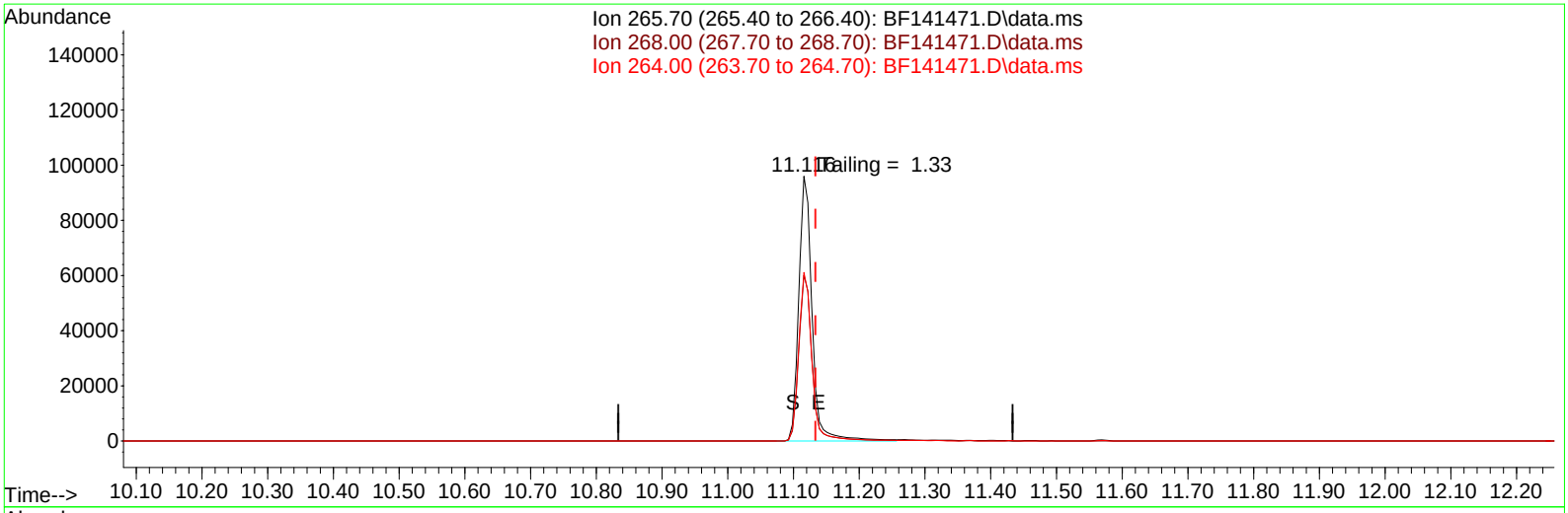
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	47360	PASS
68	69	0.00	2	1.9	756	PASS
69	198	0.00	100	36.7	40248	PASS
70	69	0.00	2	0.5	221	PASS
127	198	10	80	49.1	53877	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	109720	PASS
199	198	5	9	6.8	7444	PASS
275	198	10	60	25.6	28133	PASS
365	198	1	100	3.3	3599	PASS
441	198	0.01	100	12.2	13341	PASS
442	442	50	100	100.0	83323	PASS
443	442	15	24	18.9	15754	PASS

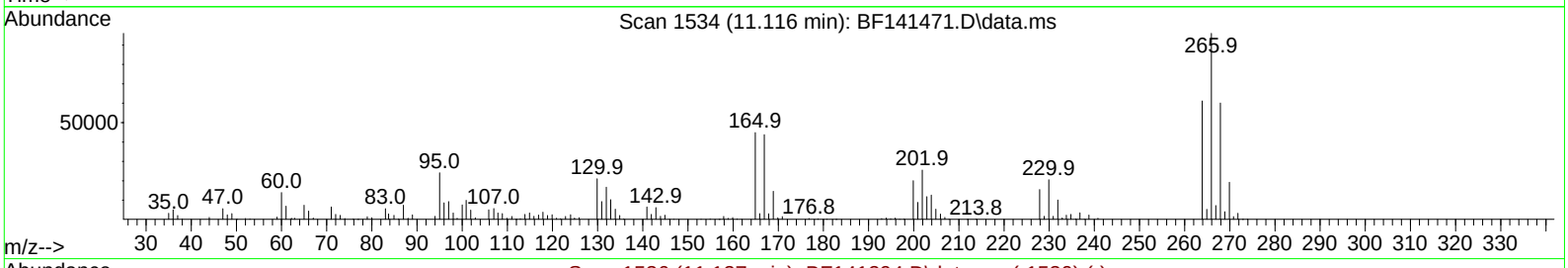
Sample Results: **BF141471.D**

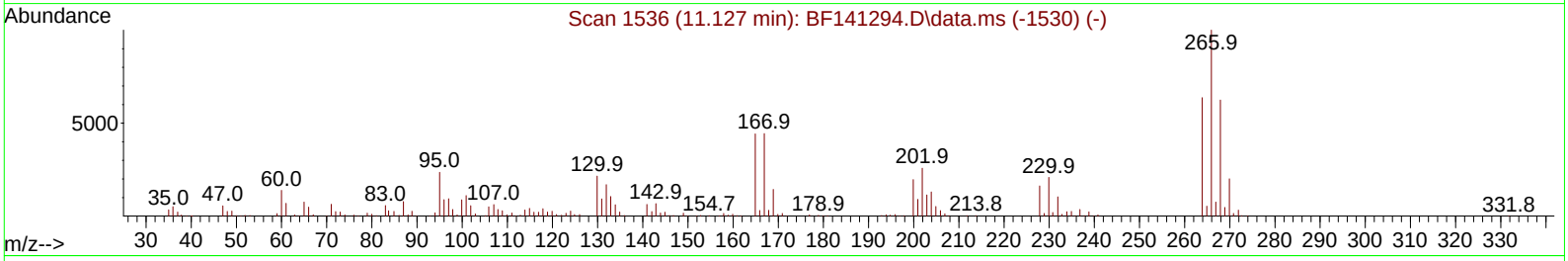
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration







TIC: BF141471.D\data.ms

(70) Pentachlorophenol (C)

11.116min (-0.018) 32915.33 ng

response 135048

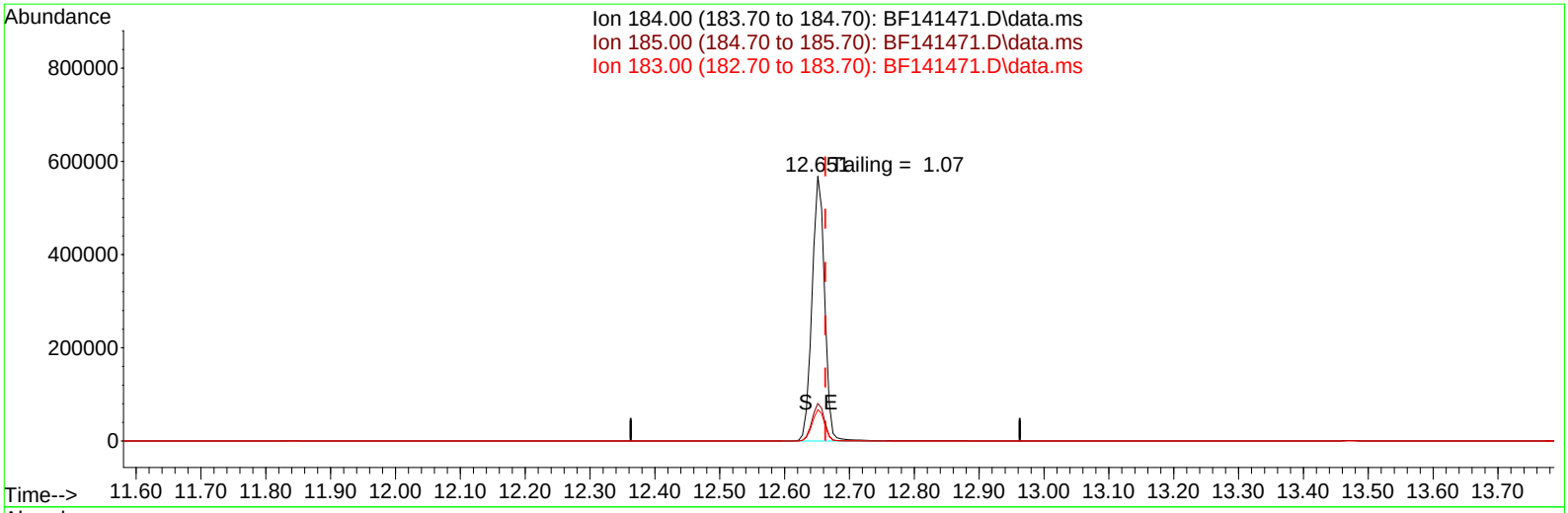
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.59
264.00	63.70	63.70
0.00	0.00	0.00

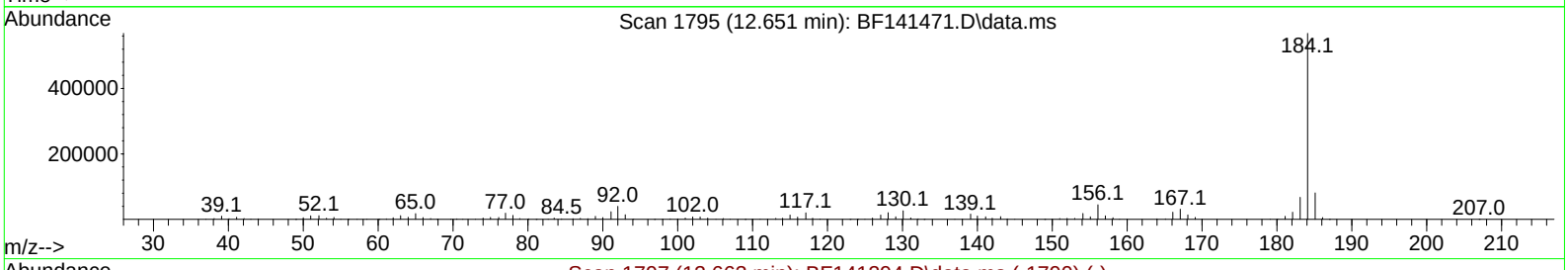
Sample Results: **BF141471.D**

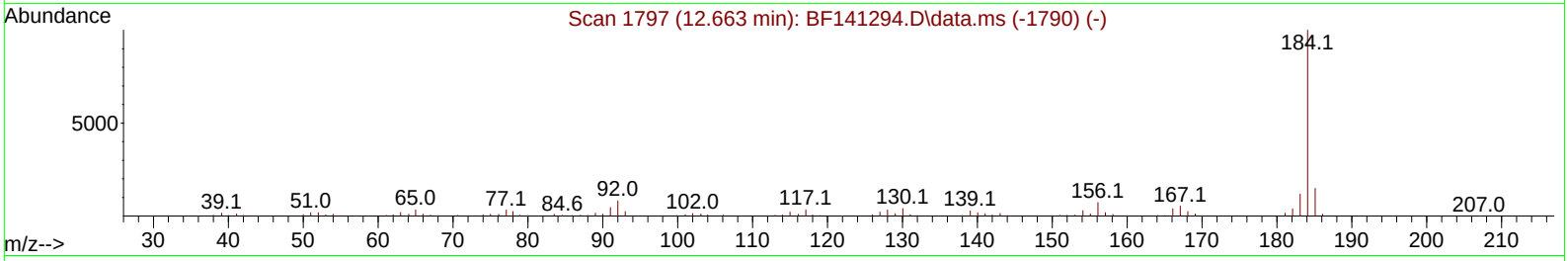
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration







TIC: BF141471.D\data.ms

(77) Benzidine

12.651min (-0.012) 0.00 ng

response 764582

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.21
183.00	11.90	11.88
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/6/2025	BNA_F	BF141471.D
Compound Name	**Response**	**Retention Time**
DDT	348871	13.475
DDD	6398	13.204
DDE	521	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6919	355790	1.94

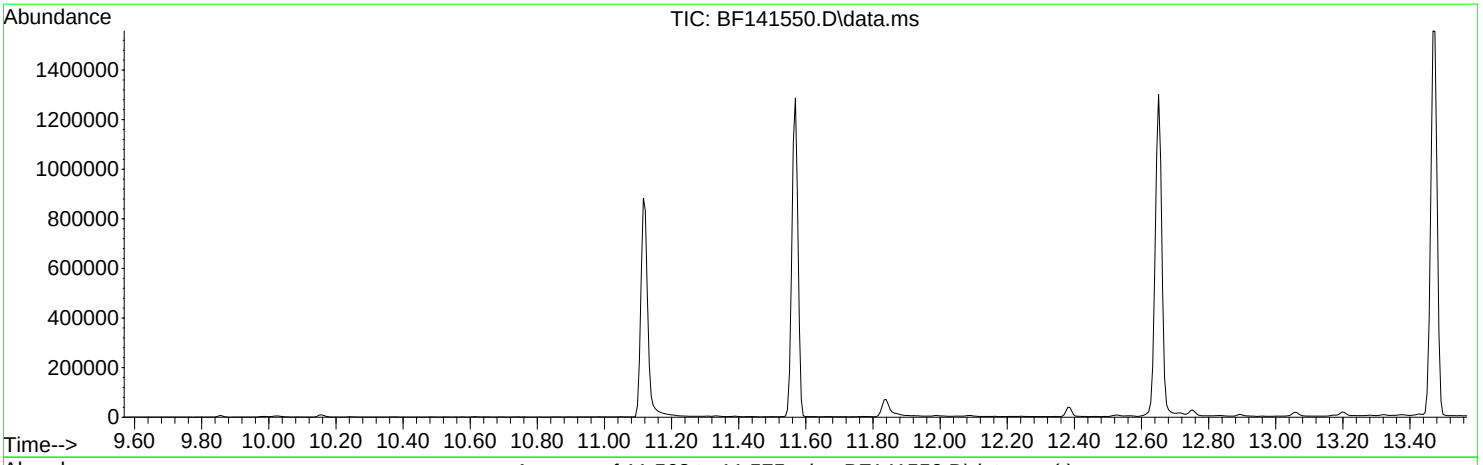
Sample Results: **BF141550.D**

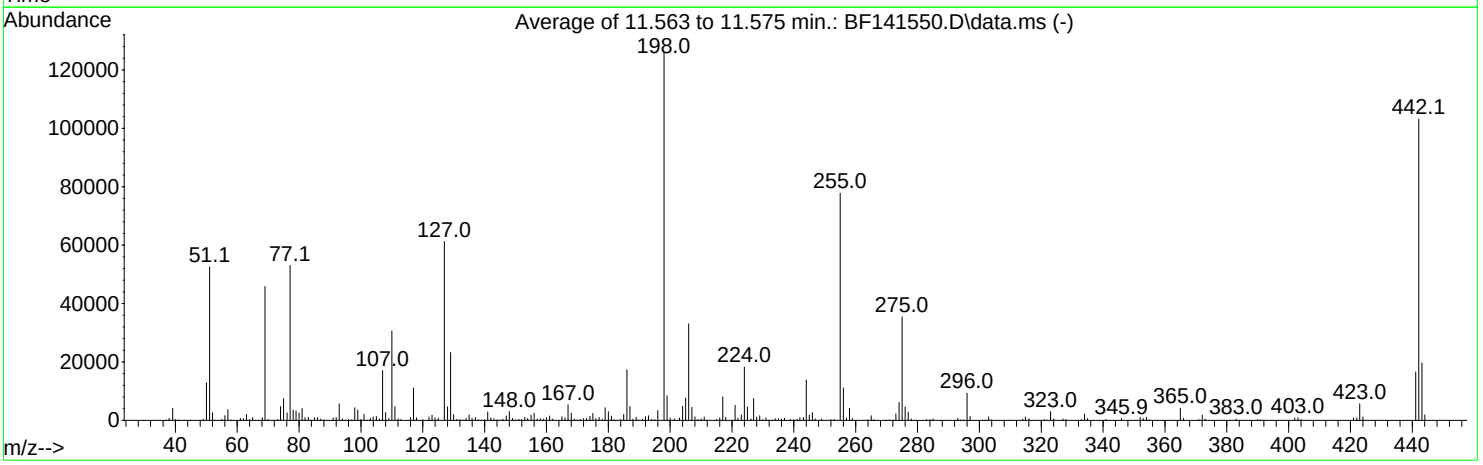
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025





AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

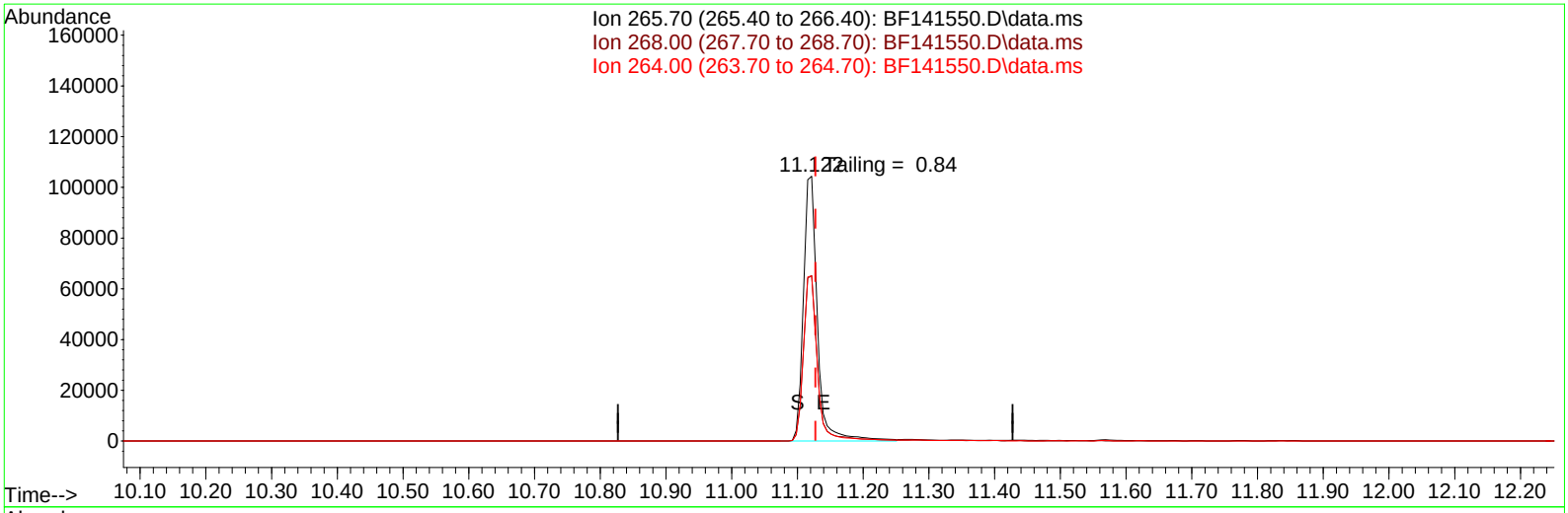
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.7	52576	PASS
68	69	0.00	2	1.9	880	PASS
69	198	0.00	100	36.4	45864	PASS
70	69	0.00	2	0.7	312	PASS
127	198	10	80	48.6	61283	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	125976	PASS
199	198	5	9	6.7	8465	PASS
275	198	10	60	28.2	35464	PASS
365	198	1	100	3.3	4164	PASS
441	198	0.01	100	13.1	16543	PASS
442	442	50	100	100.0	103163	PASS
443	442	15	24	19.1	19671	PASS

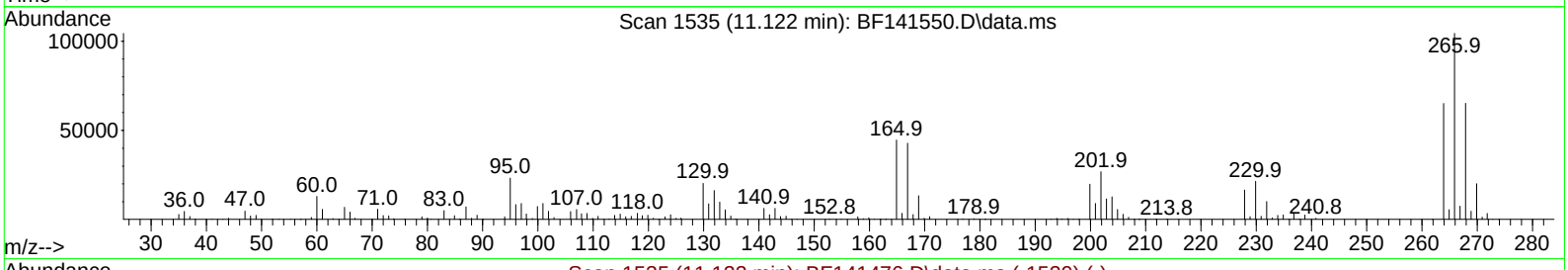
Sample Results: **BF141550.D**

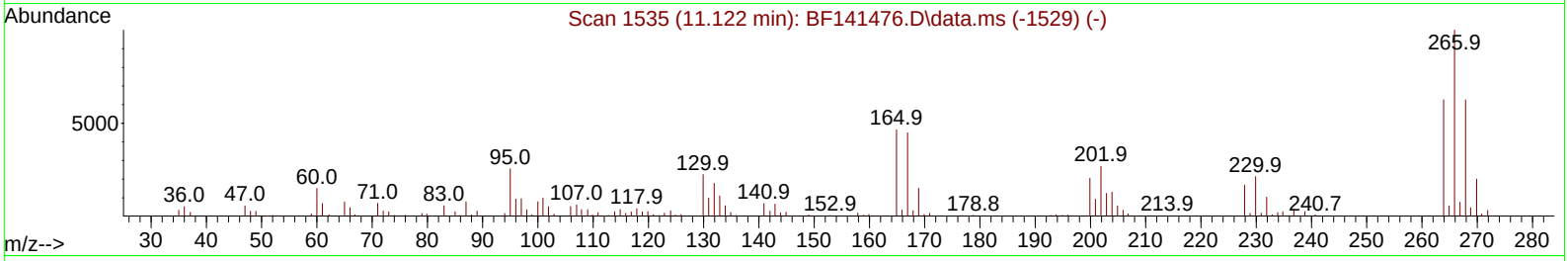
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 11 10:57:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141550.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 16244.81 ng

response 154688

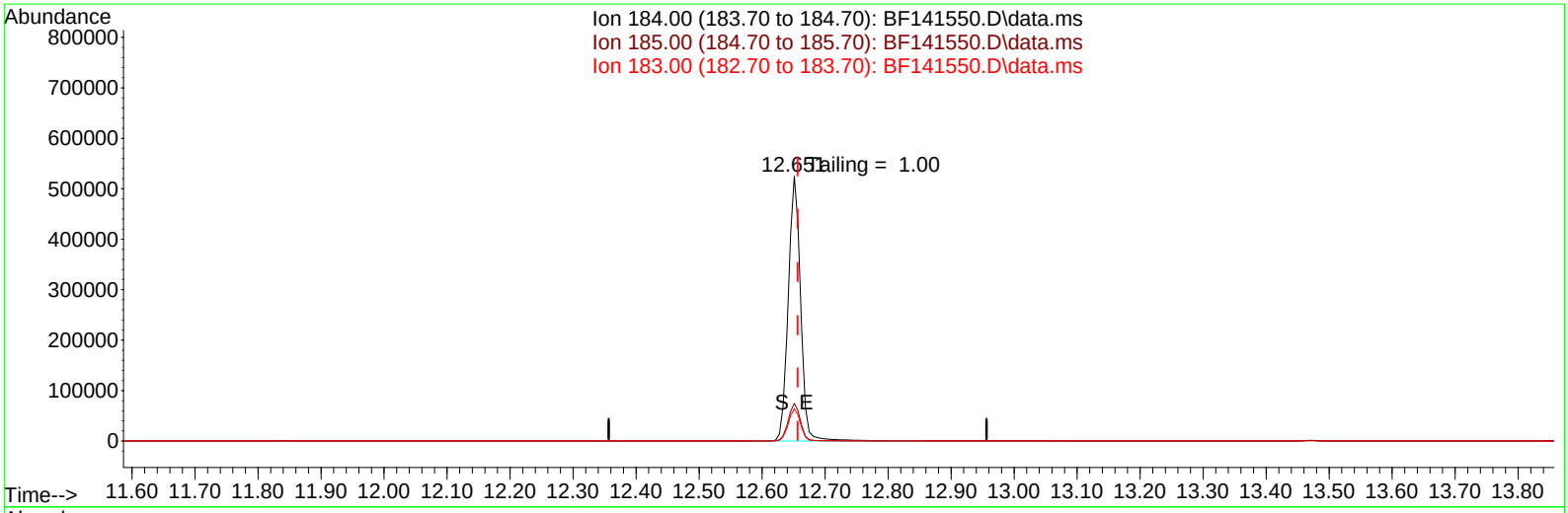
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.47
264.00	62.60	62.37
0.00	0.00	0.00

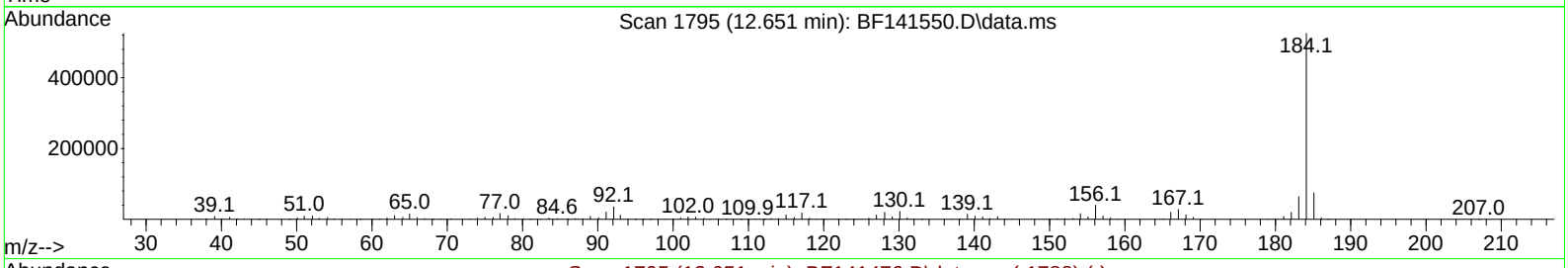
Sample Results: **BF141550.D**

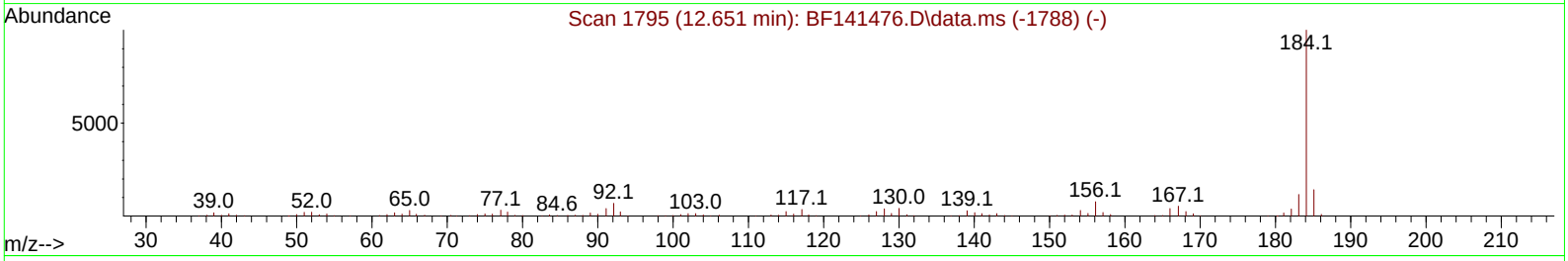
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141550.D
Acq On : 11 Feb 2025 10:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 11 10:57:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration







TIC: BF141550.D\data.ms

(77) Benzidine

12.651min (-0.006) 26925.30 ng

response 718522

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.23
183.00	11.60	12.19
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/11/2025	BNA_F	BF141550.D
Compound Name	**Response**	**Retention Time**
DDT	411059	13.474
DDD	6230	13.204
DDE	573	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6803	417862	1.63

Raw Data: **BF141374.D**

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.:	Q1206
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

Raw Data: **BF141374.D**

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.:	Q1206
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

Raw Data: **BF141374.D**

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.:	Q1206
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

Raw Data: **BF141374.D**

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.:	Q1206
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

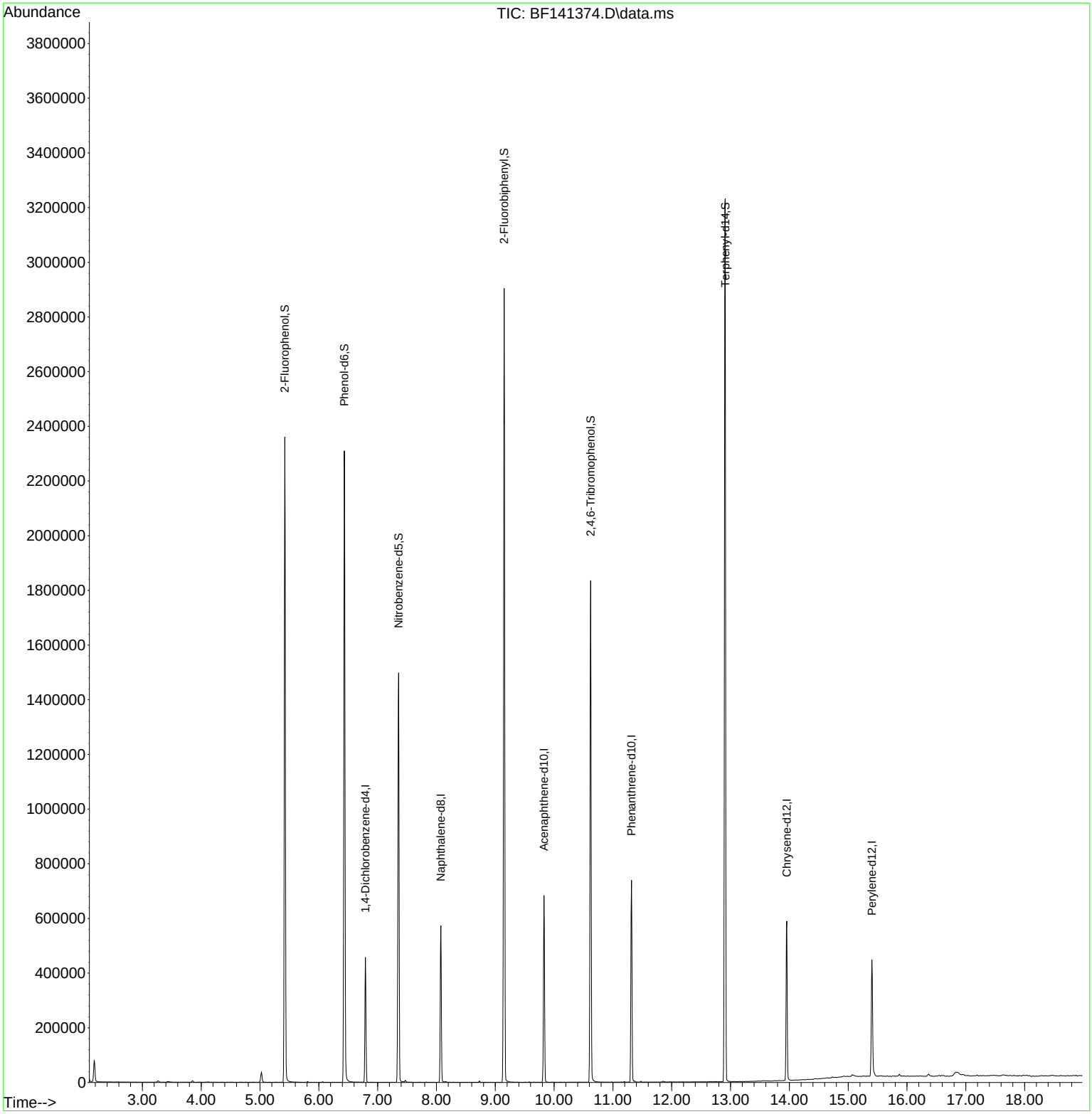
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	90939	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	365110	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	206122	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	372851	20.000	ng	-0.01
76) Chrysene-d12	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

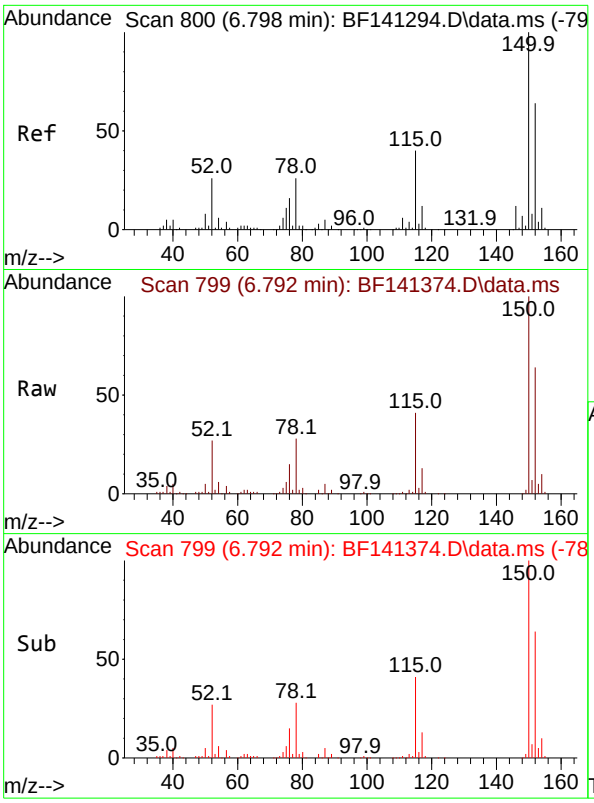
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



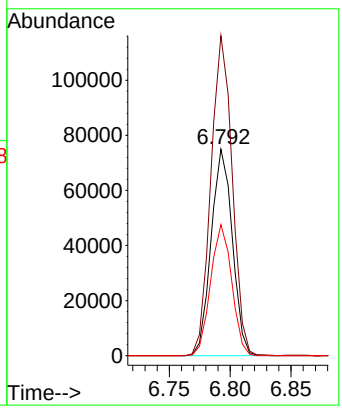


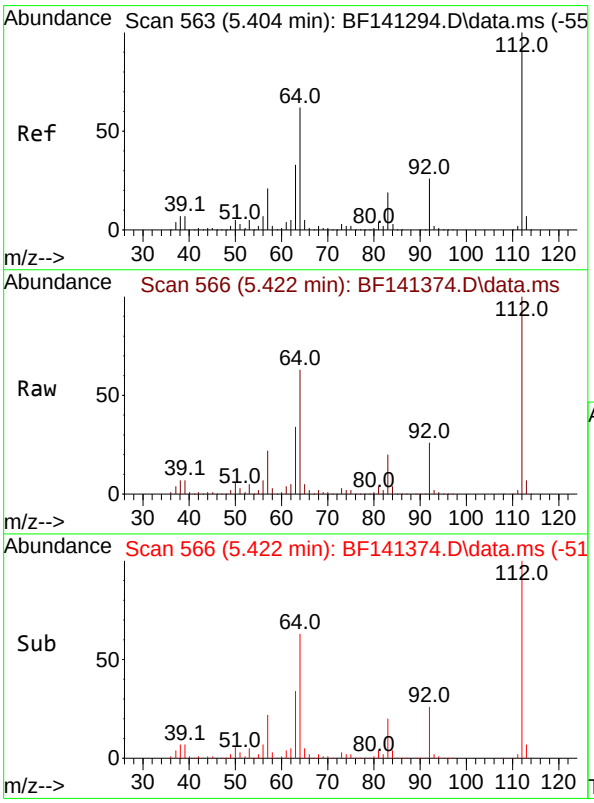
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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

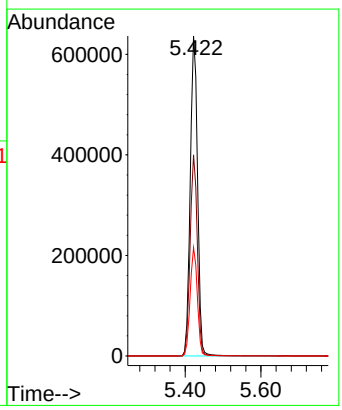


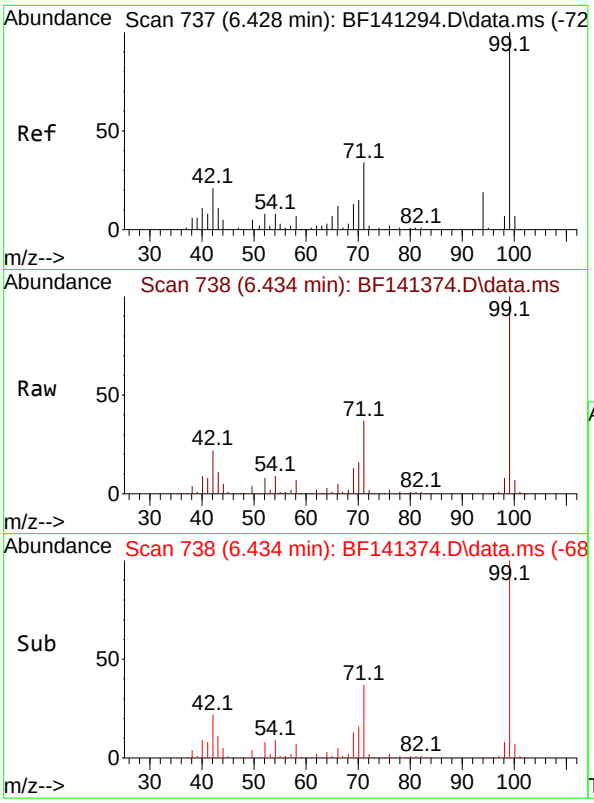


#5
2-Fluorophenol
Concen: 143.255 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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



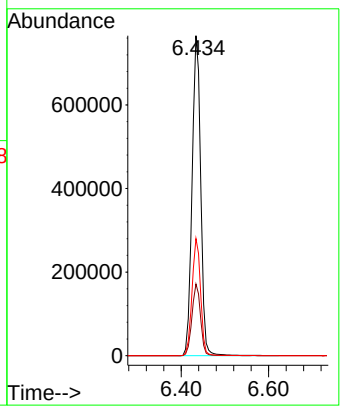


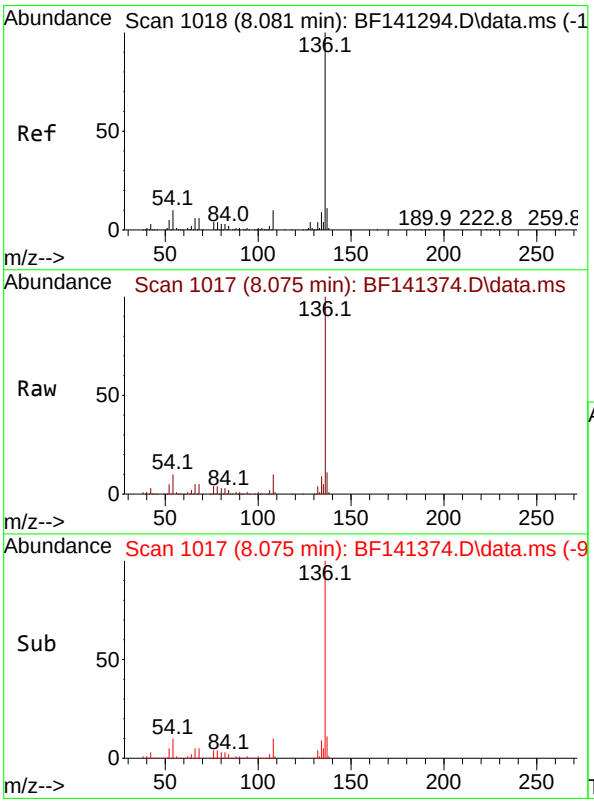
#7
Phenol-d6
Concen: 139.505 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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

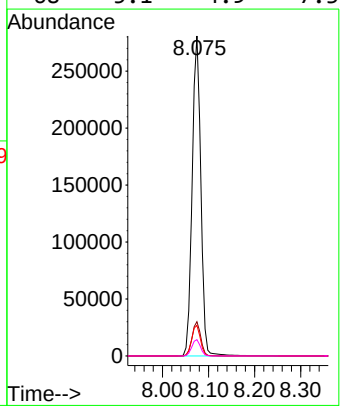


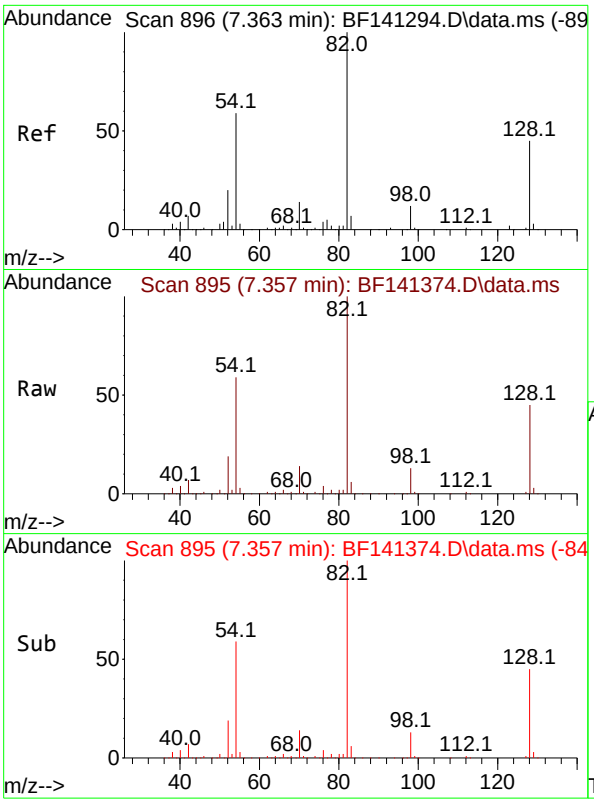


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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



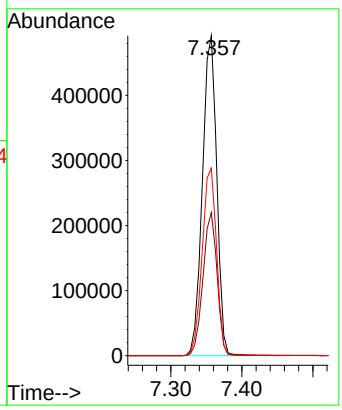


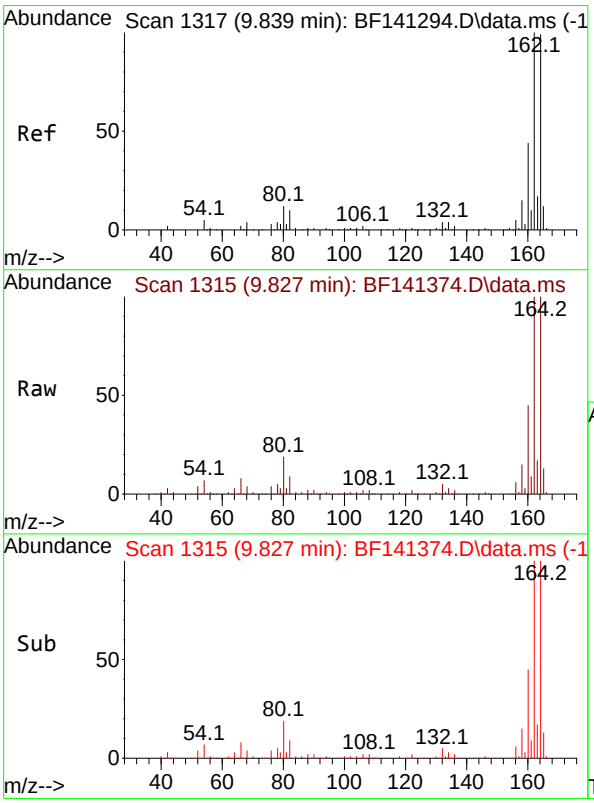
#23
Nitrobenzene-d5
Concen: 99.964 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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

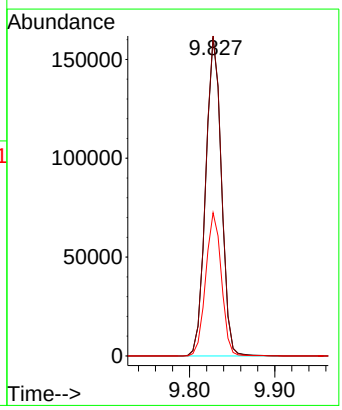


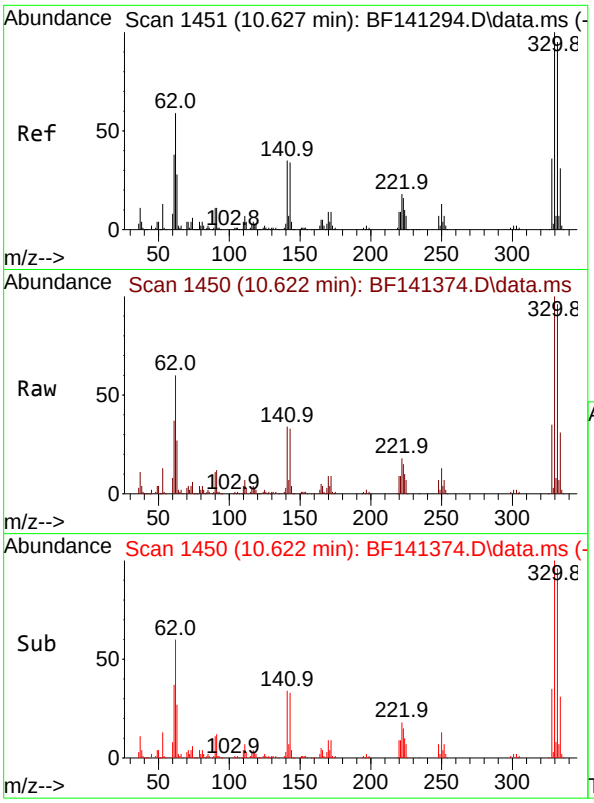


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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



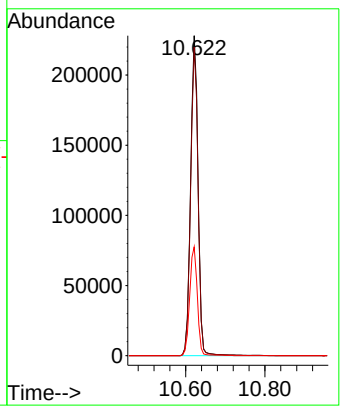


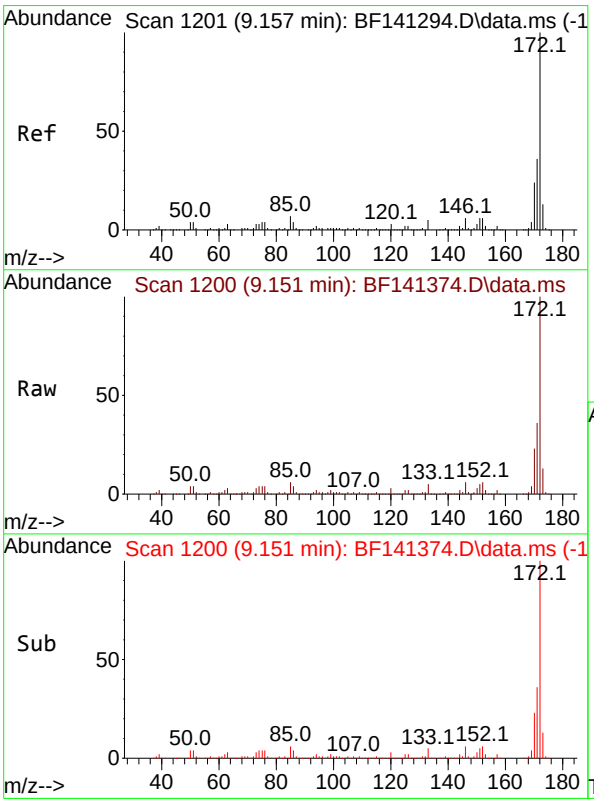
#42
2,4,6-Tribromophenol
Concen: 157.969 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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

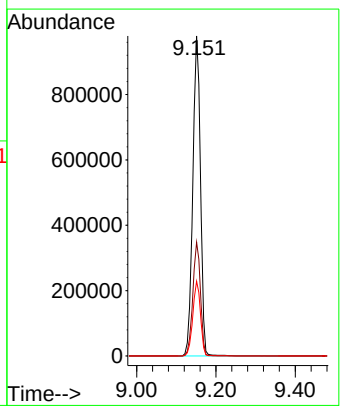


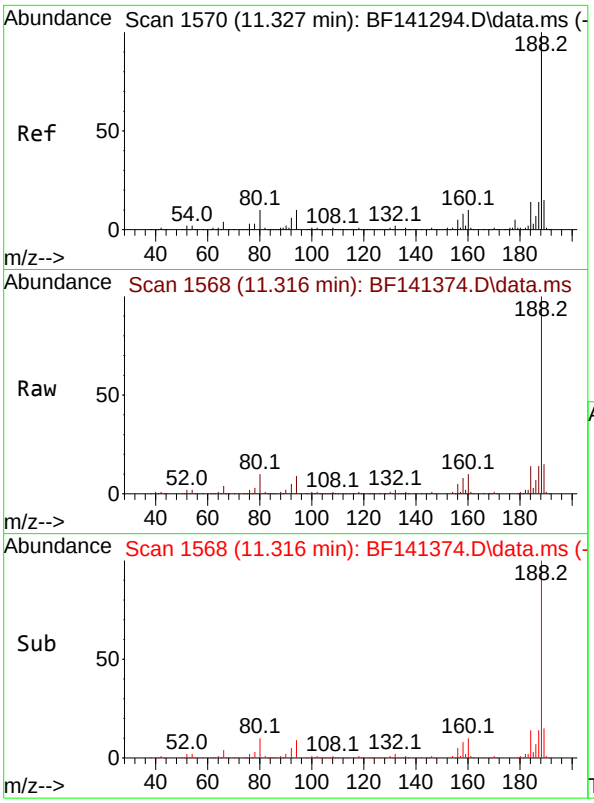


#45
2-Fluorobiphenyl
Concen: 98.395 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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



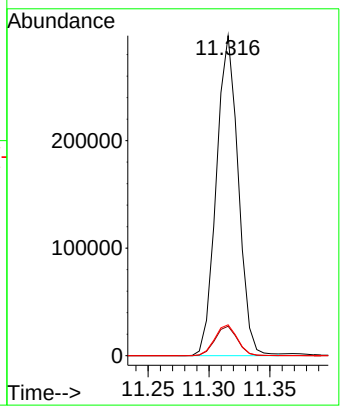


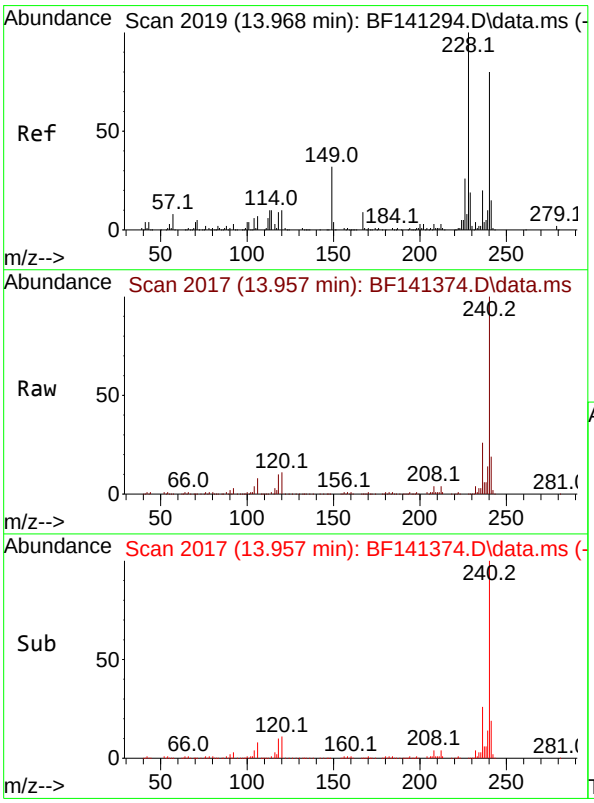
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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

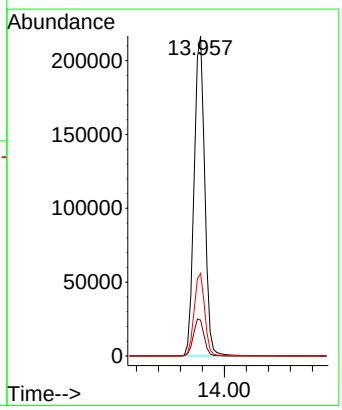


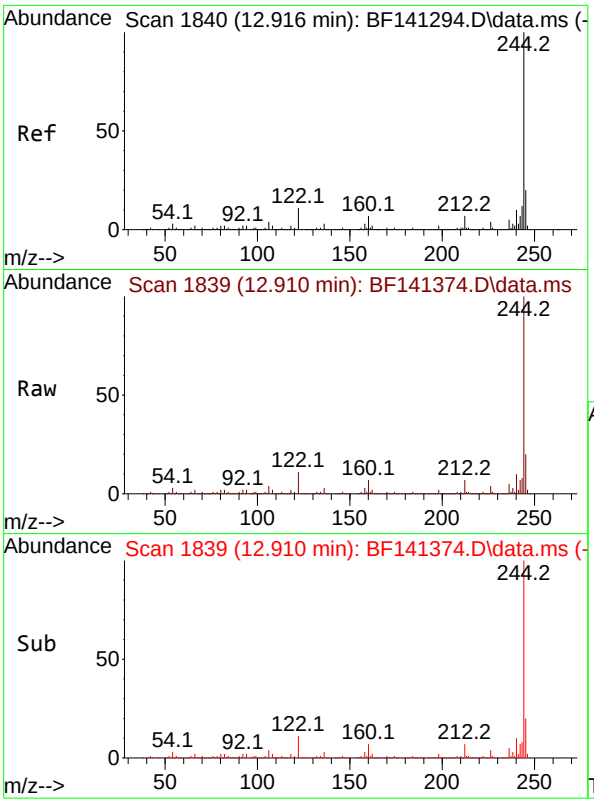


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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



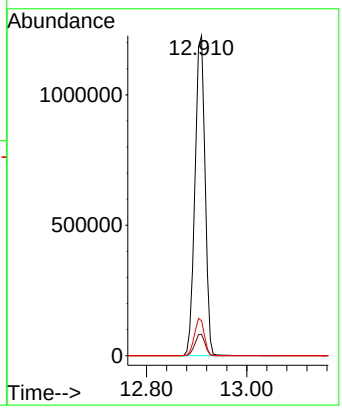


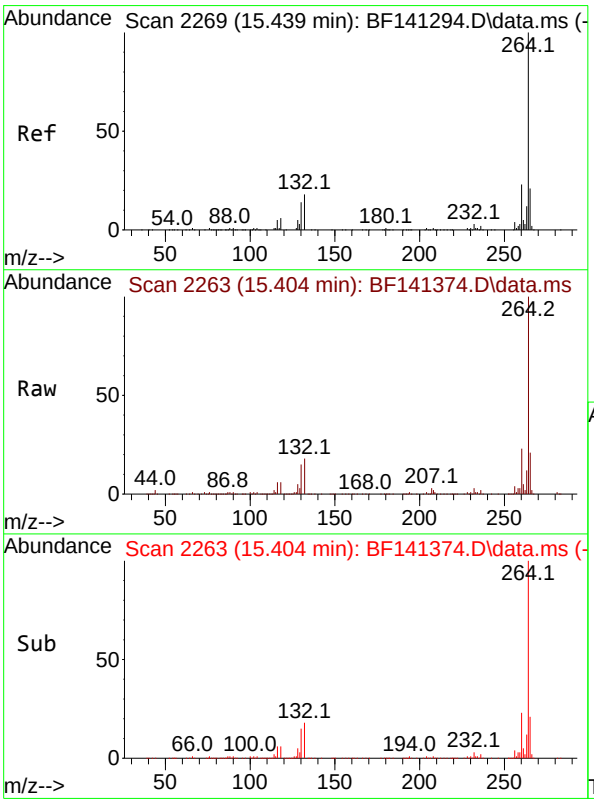
#79
Terphenyl-d14
Concen: 90.701 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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

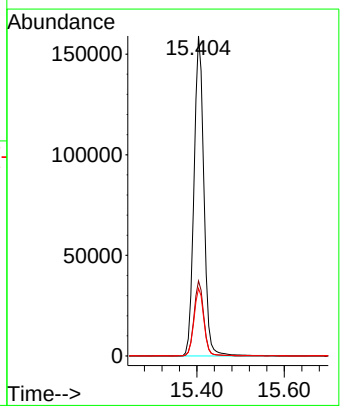




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.036 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

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



Sample Results: **BF141374.D**

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

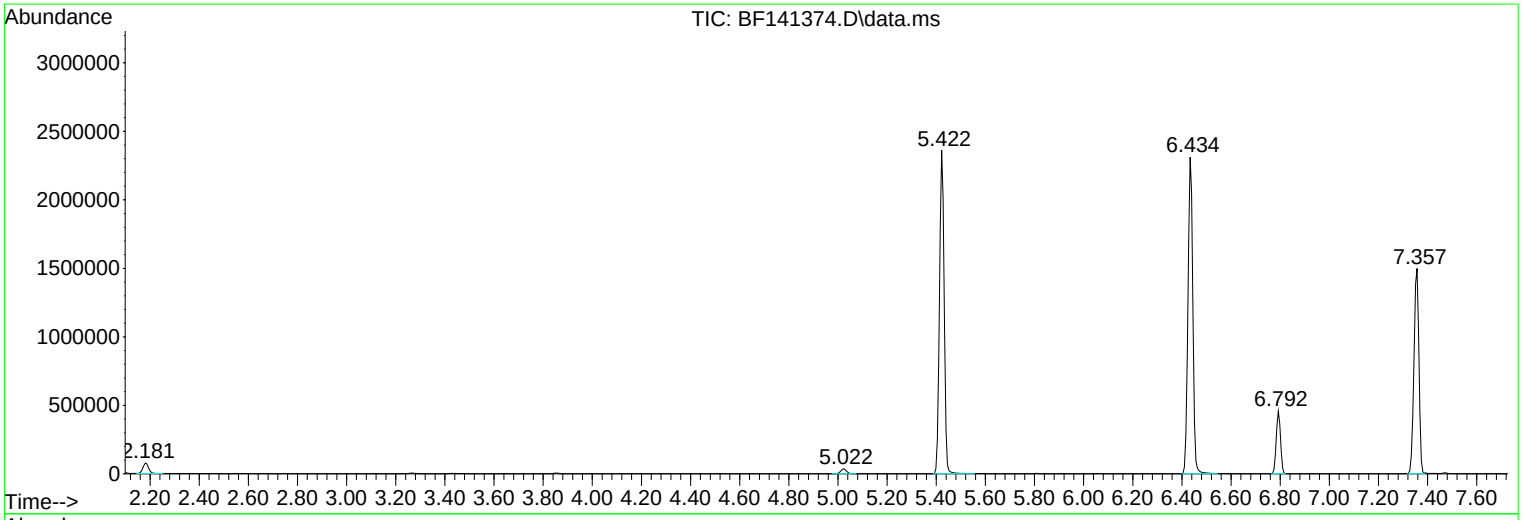
Sample Results: **BF141374.D**

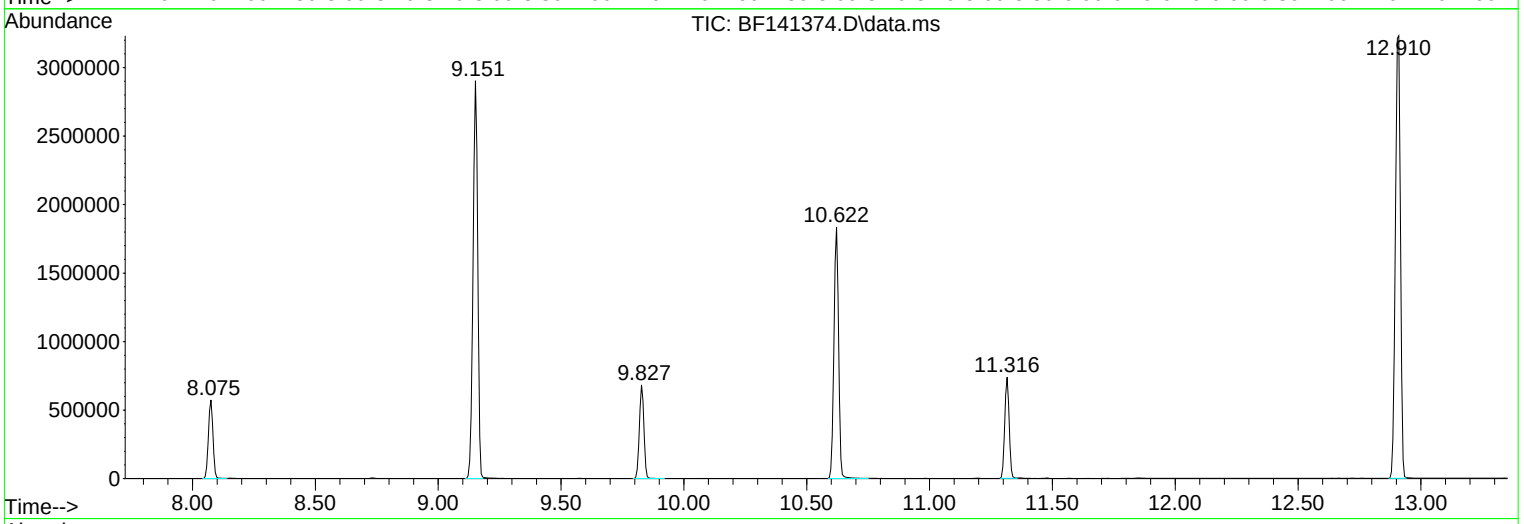
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

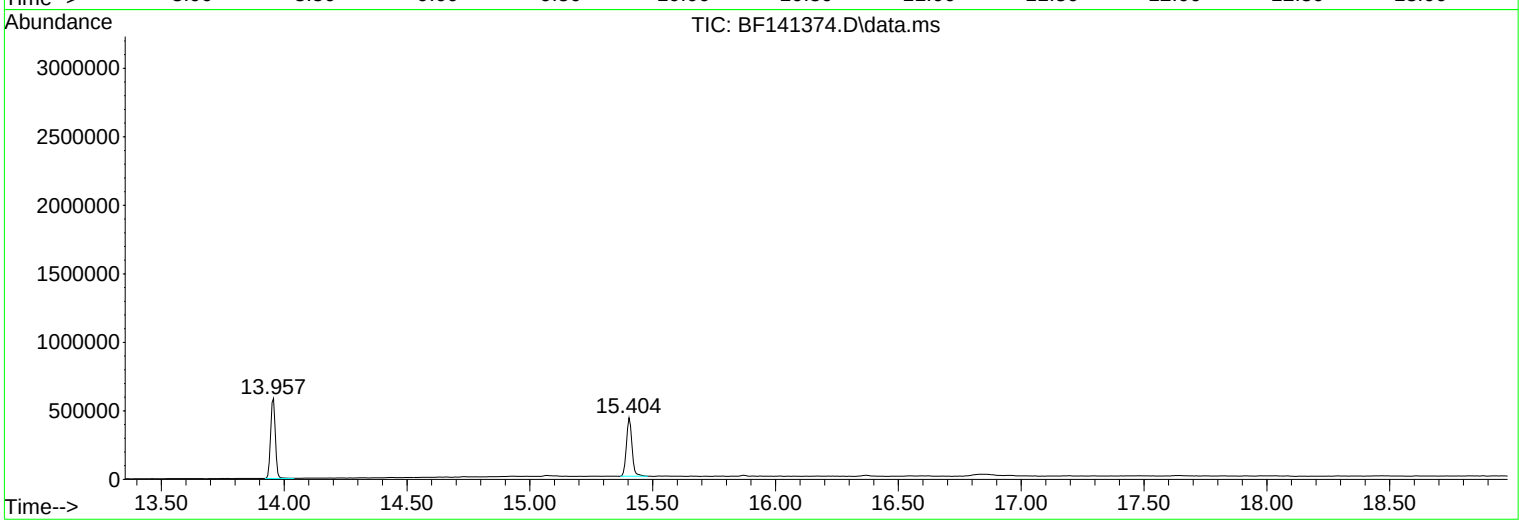
Instrument :
BNA_F
ClientSampleId :
PB166335BL

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

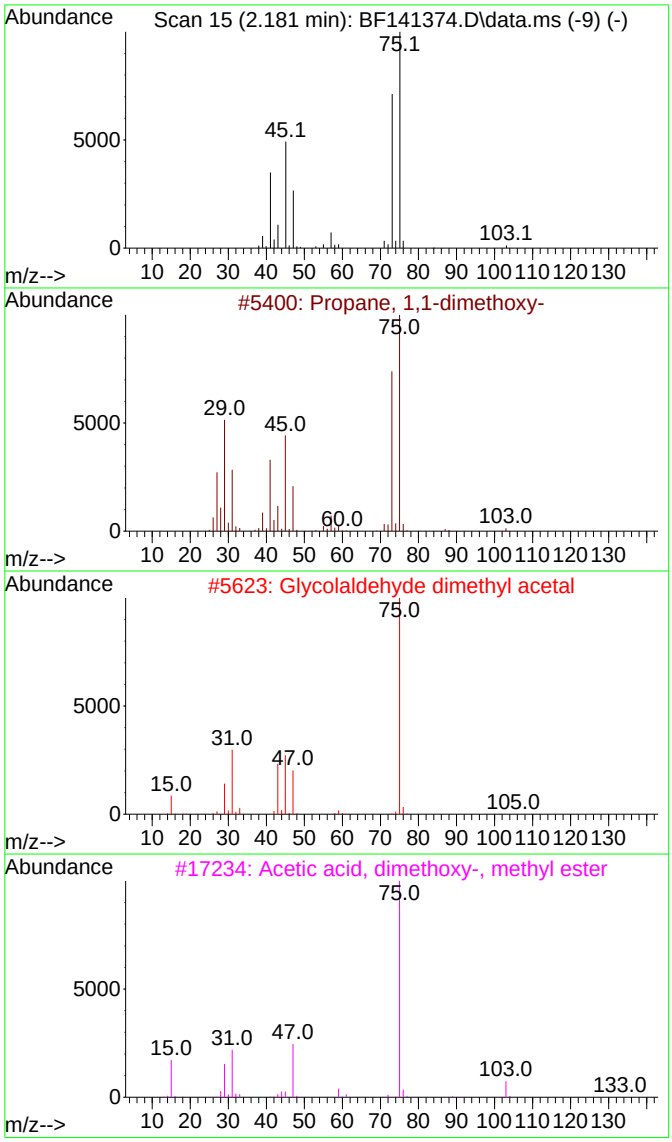
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

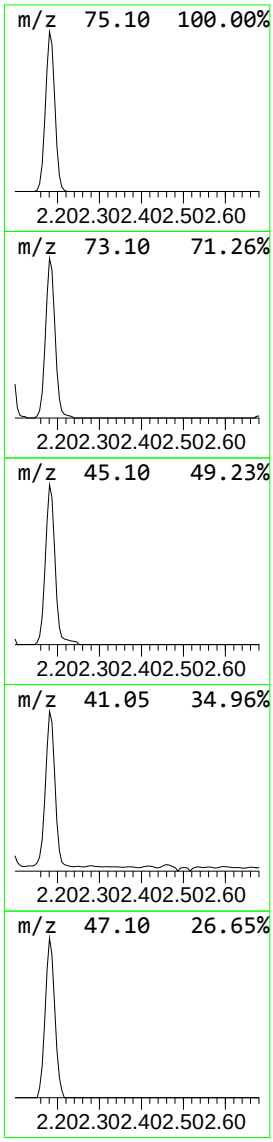
****

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

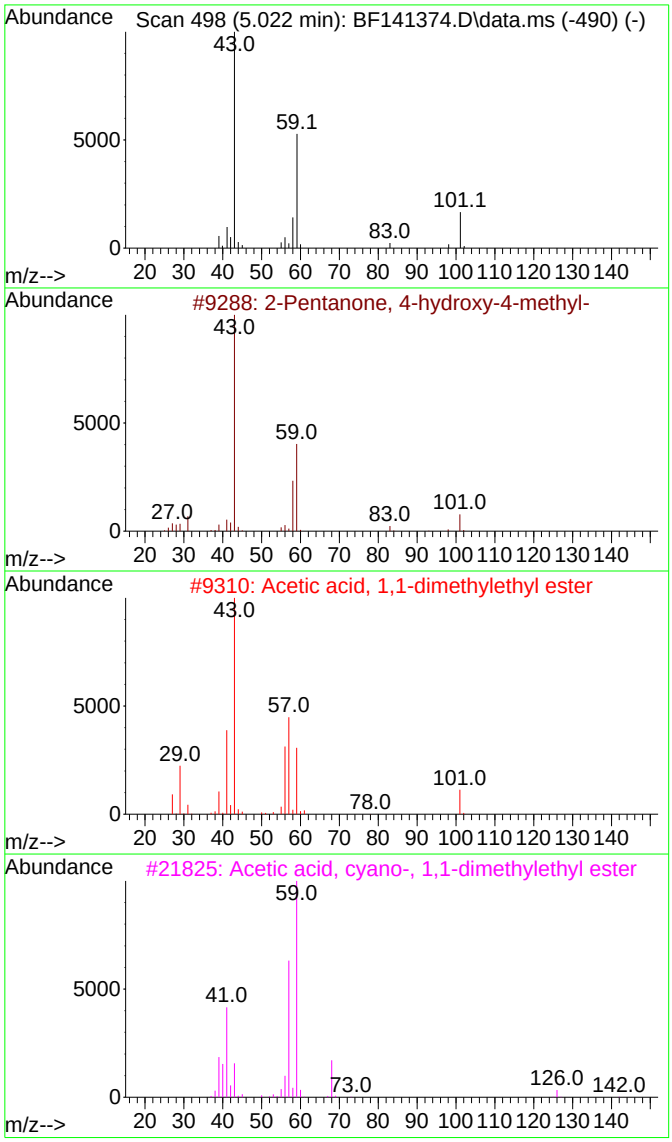
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

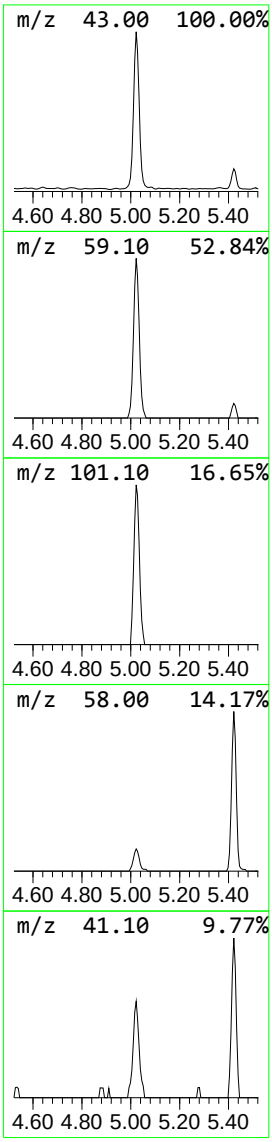
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
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





Sample Results: **BF141374.D**

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

Raw Data: **BF141303.D**

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.:	Q1206
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

Raw Data: **BF141303.D**

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.:	Q1206
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

Raw Data: **BF141303.D**

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.:	Q1206
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

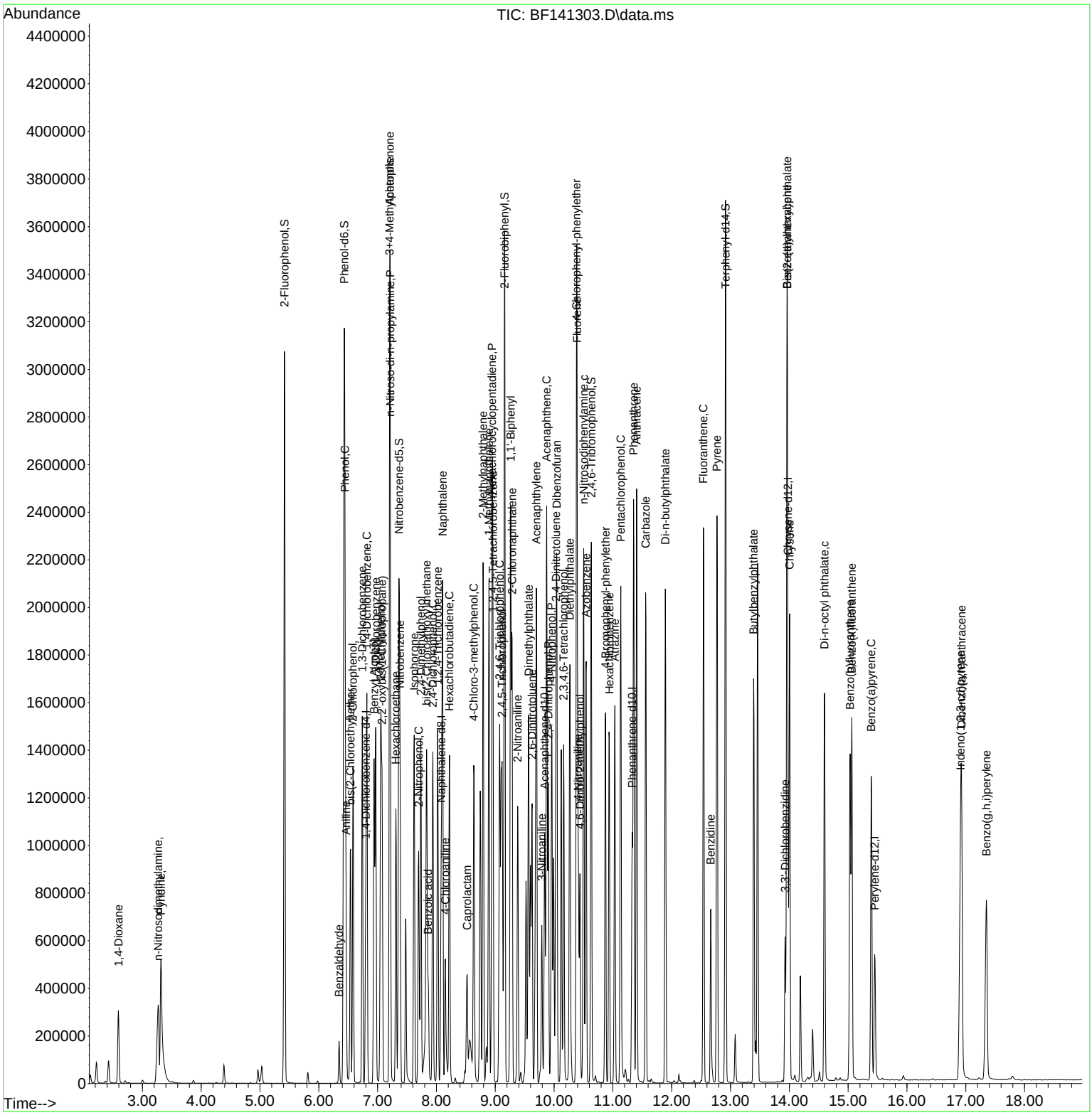
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141303.D
Acq On : 30 Jan 2025 09:57
Operator : RC/JU
Sample : PB166335BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

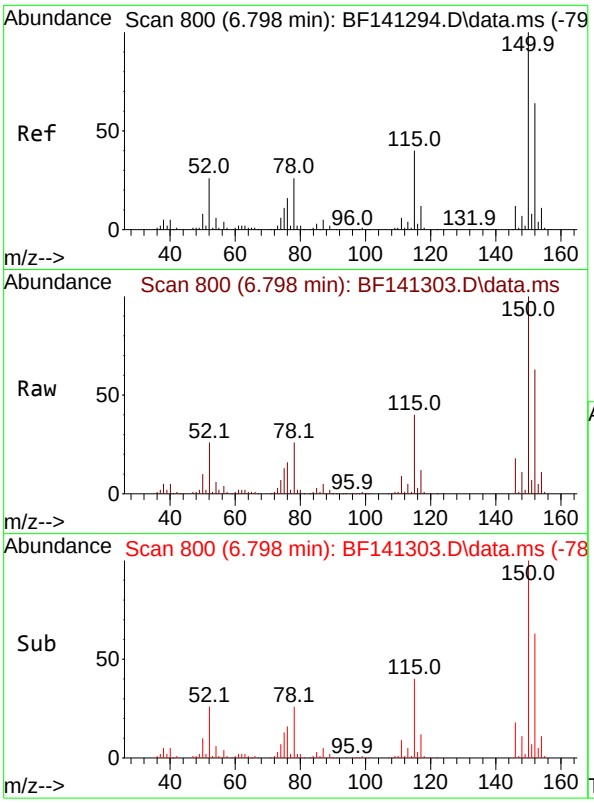
Quant Time: Jan 30 10:37:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

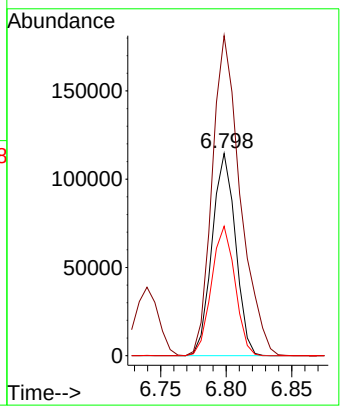




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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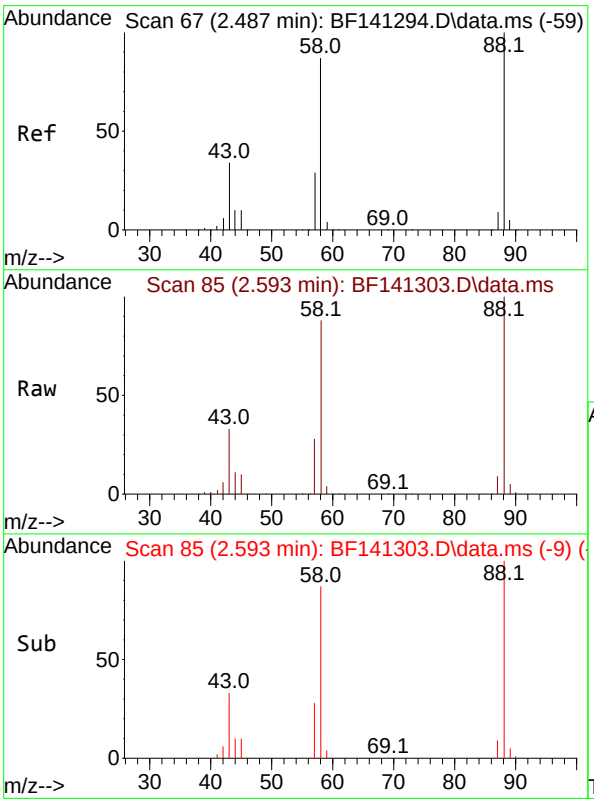
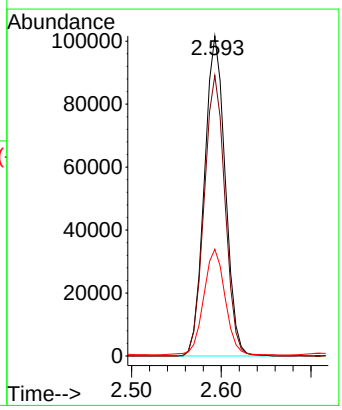
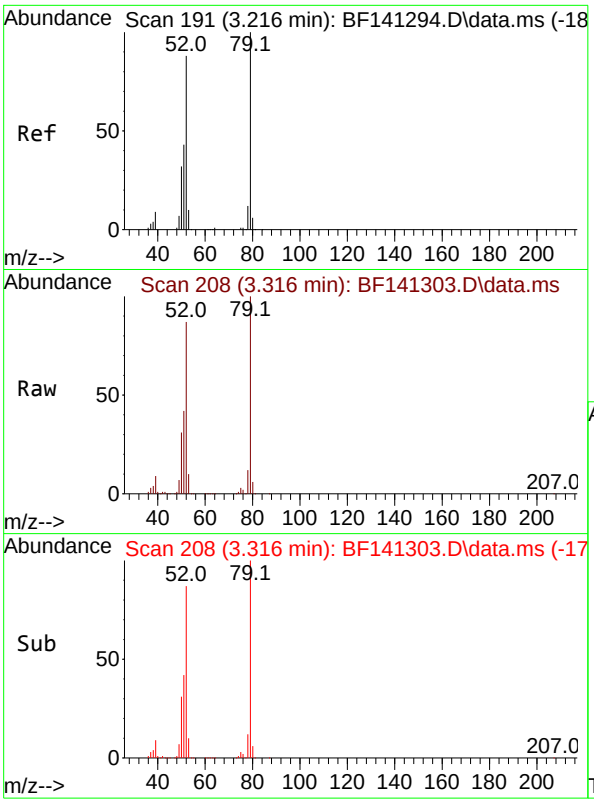


#2
1,4-Dioxane
Concen: 40.171 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.100 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

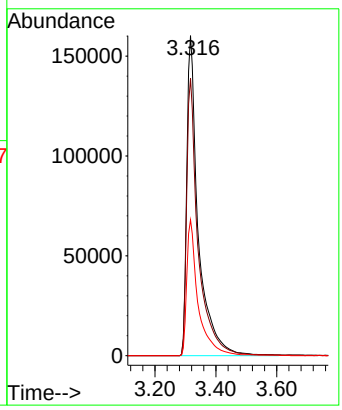




#3
Pyridine
Concen: 42.949 ng
RT: 3.316 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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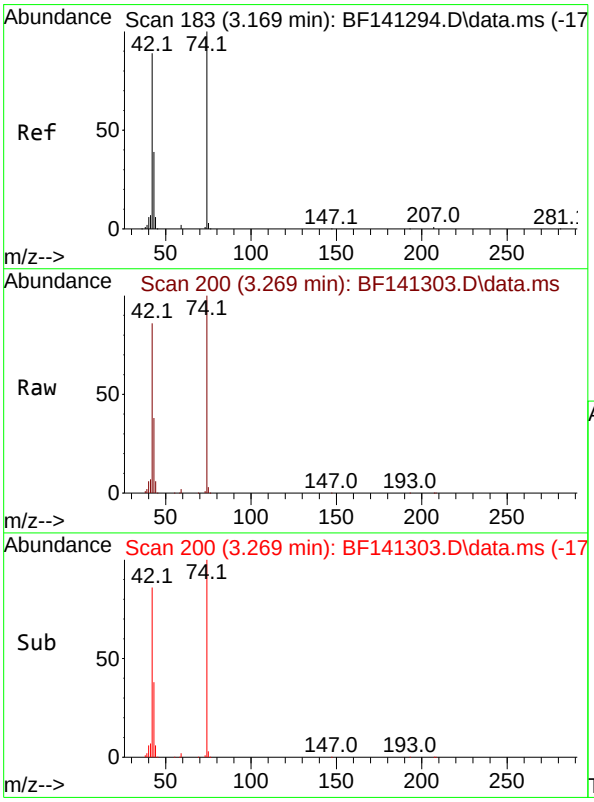
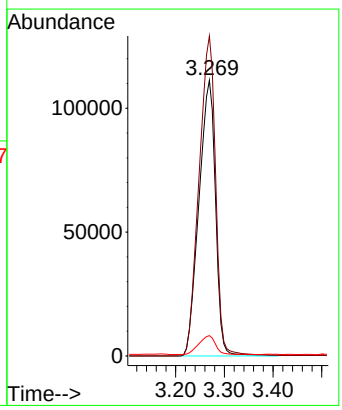
Supervised By :mohammad ahmed 01/31/2025

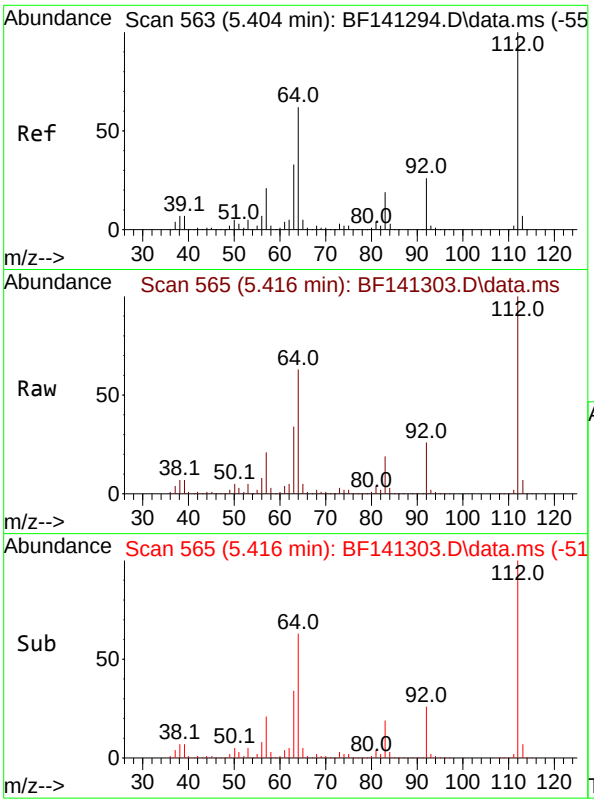


#4
n-Nitrosodimethylamine
Concen: 46.944 ng
RT: 3.269 min Scan# 200
Delta R.T. 0.071 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

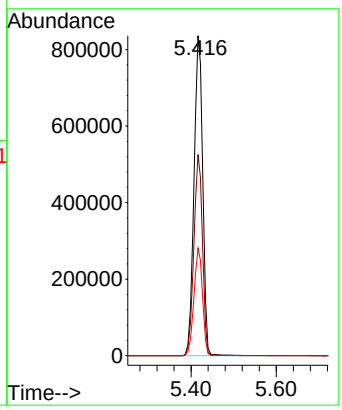




#5
2-Fluorophenol
Concen: 127.654 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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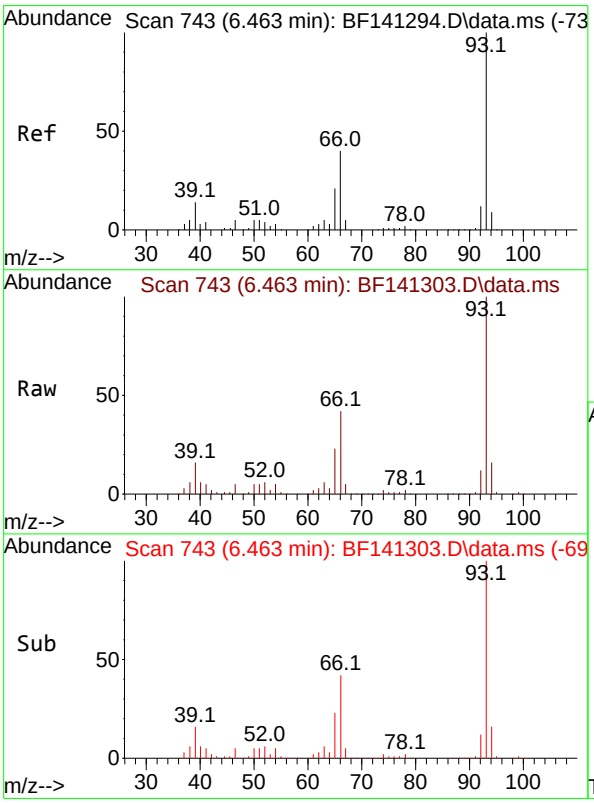
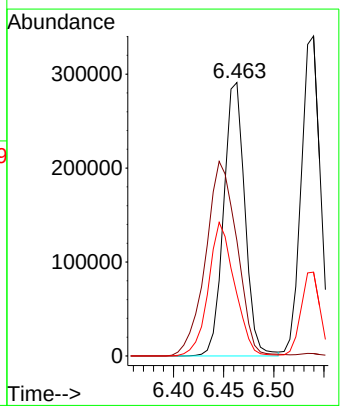
Supervised By :mohammad ahmed 01/31/2025

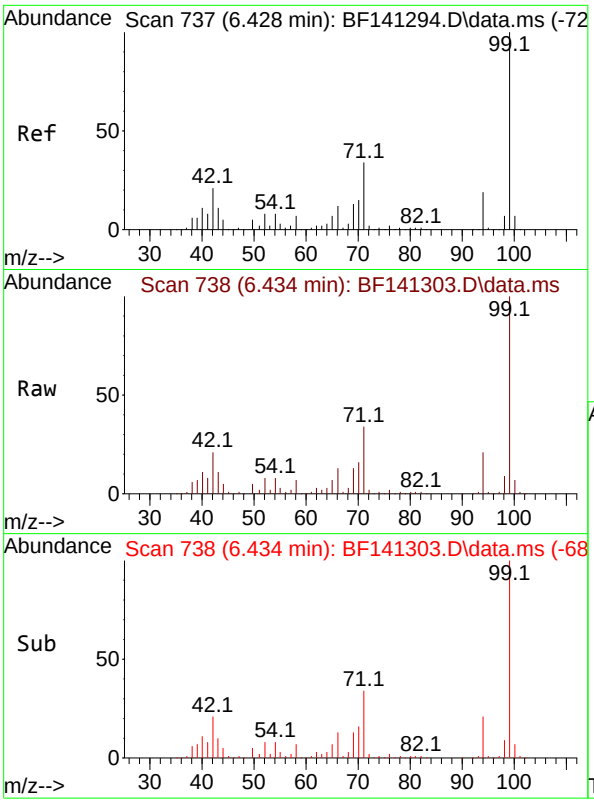


#6
Aniline
Concen: 42.913 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

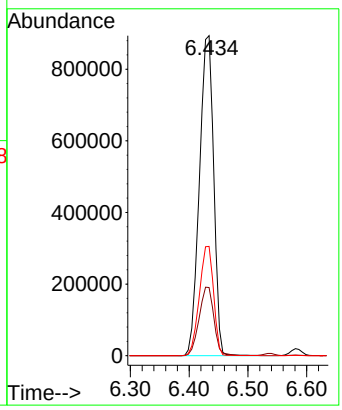




#7
Phenol-d6
Concen: 127.790 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
PB166335BS

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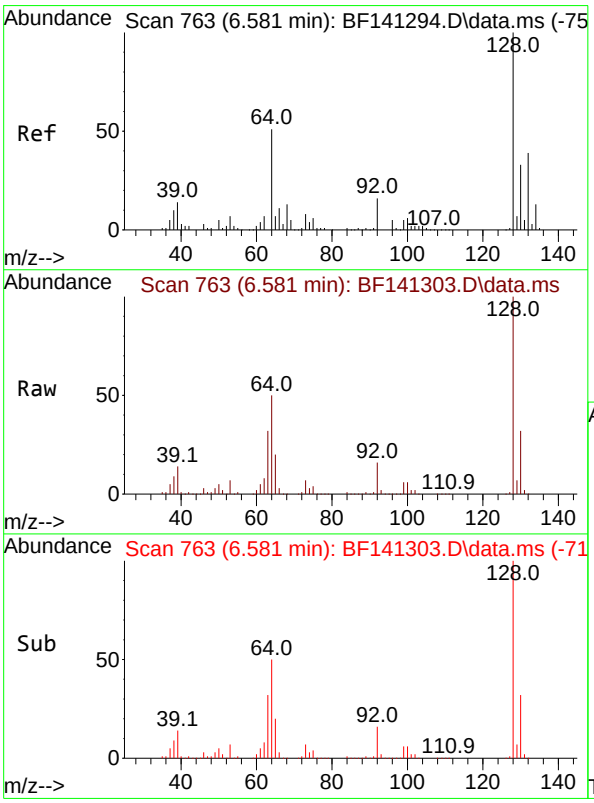
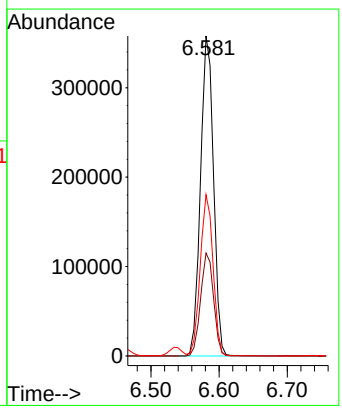
Supervised By :mohammad ahmed 01/31/2025

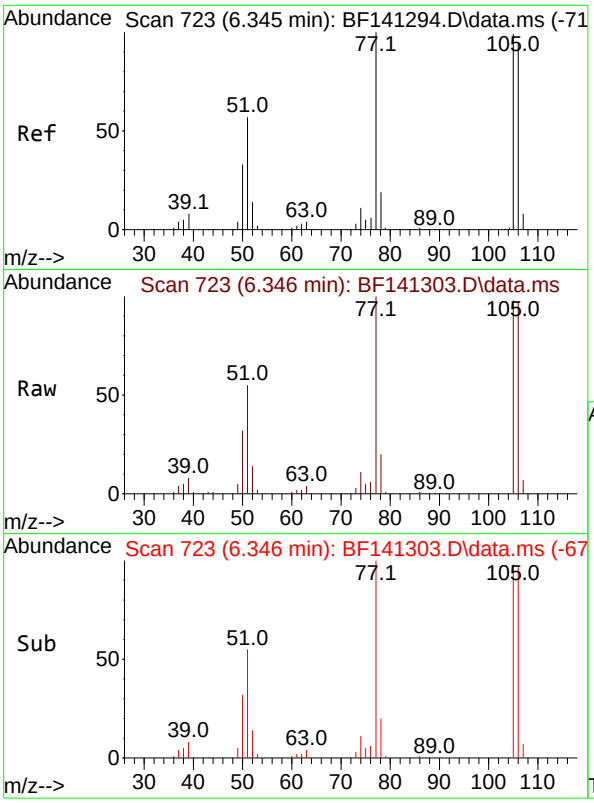


#8
2-Chlorophenol
Concen: 47.816 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

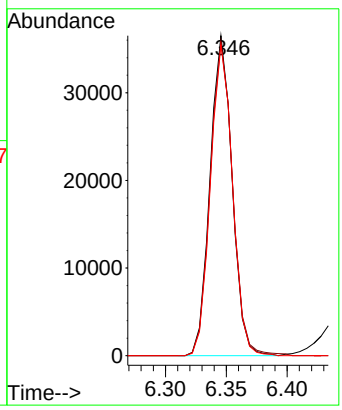




#9
Benzaldehyde
Concen: 6.732 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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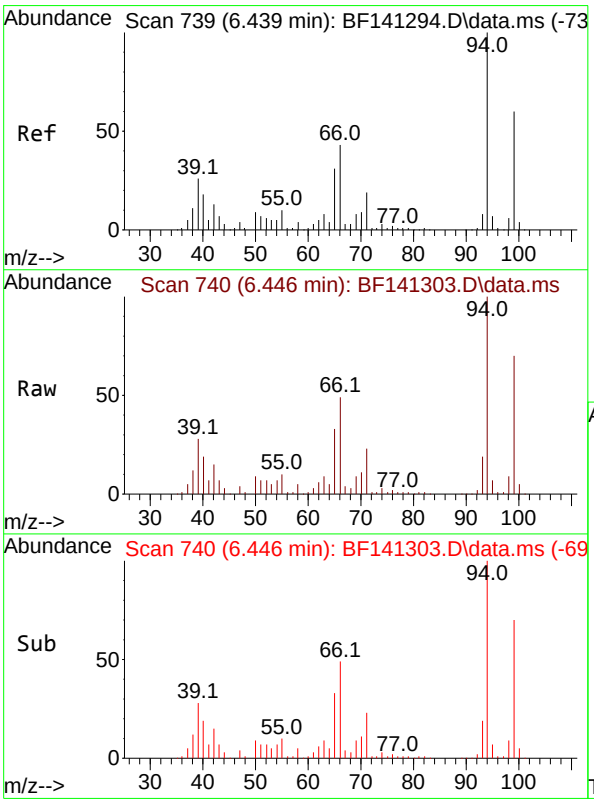
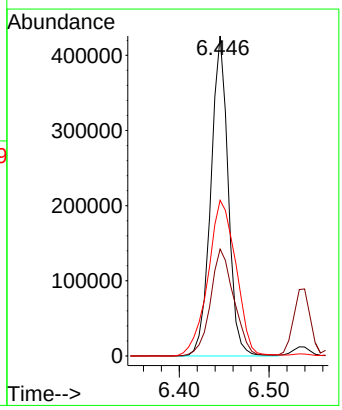
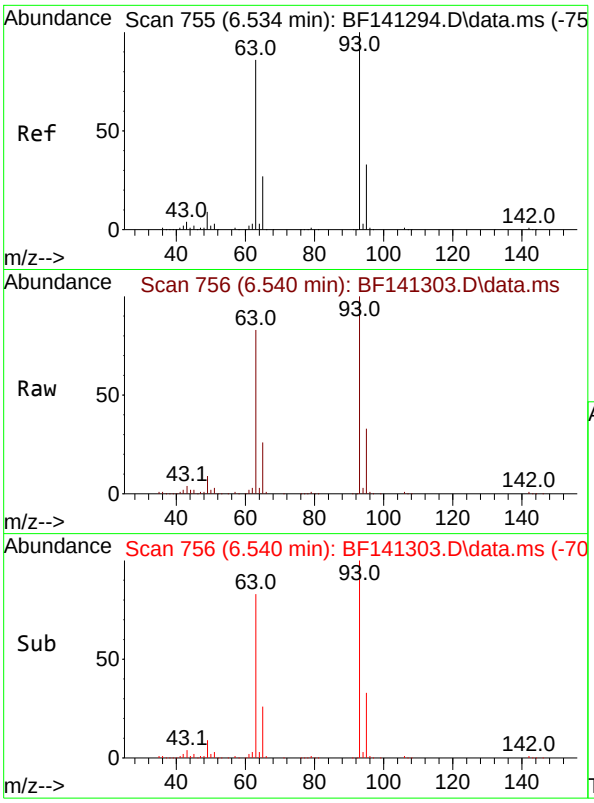


#10
Phenol
Concen: 45.706 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

Manual Integrations
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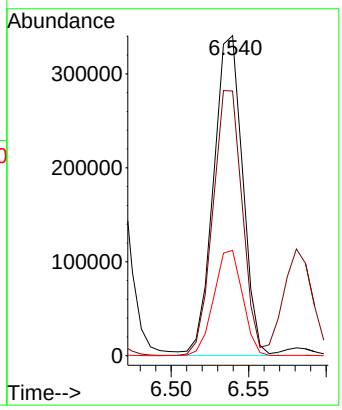
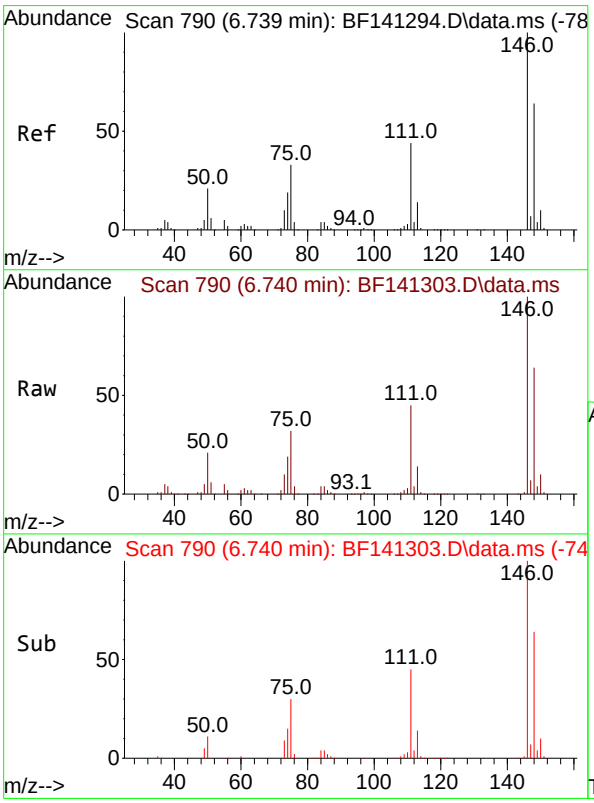
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

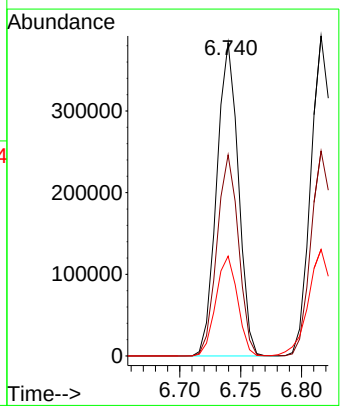


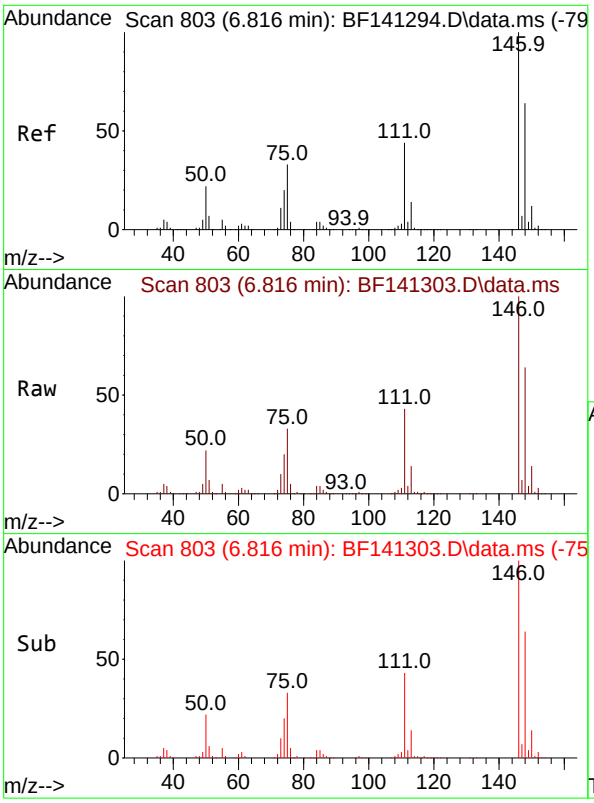


#12
1,3-Dichlorobenzene
Concen: 43.367 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

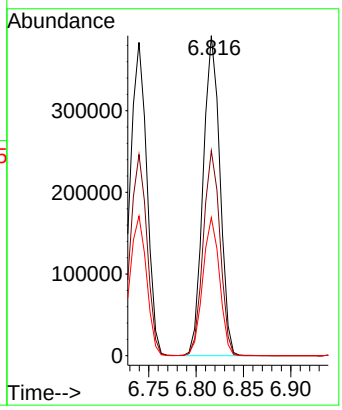




#13
1,4-Dichlorobenzene
Concen: 43.833 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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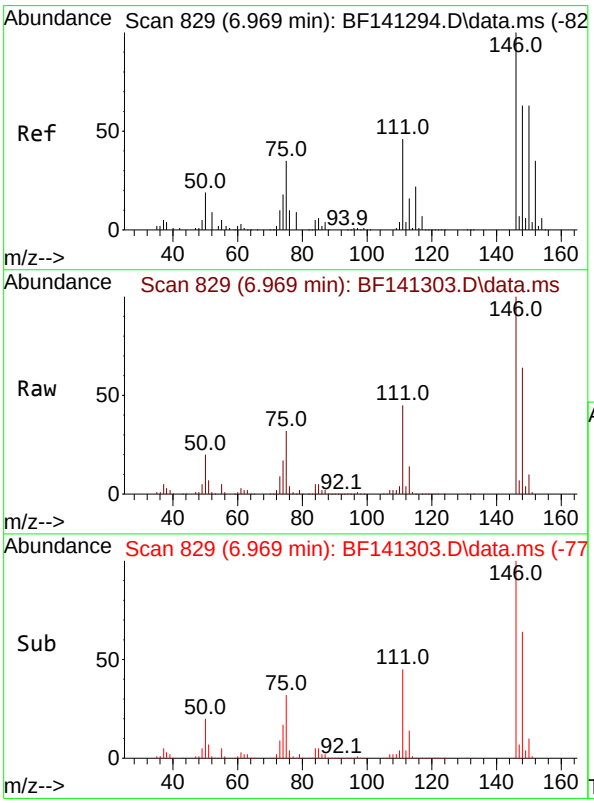
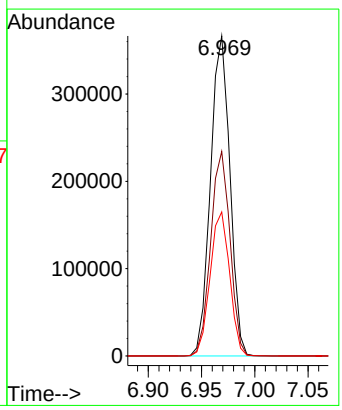
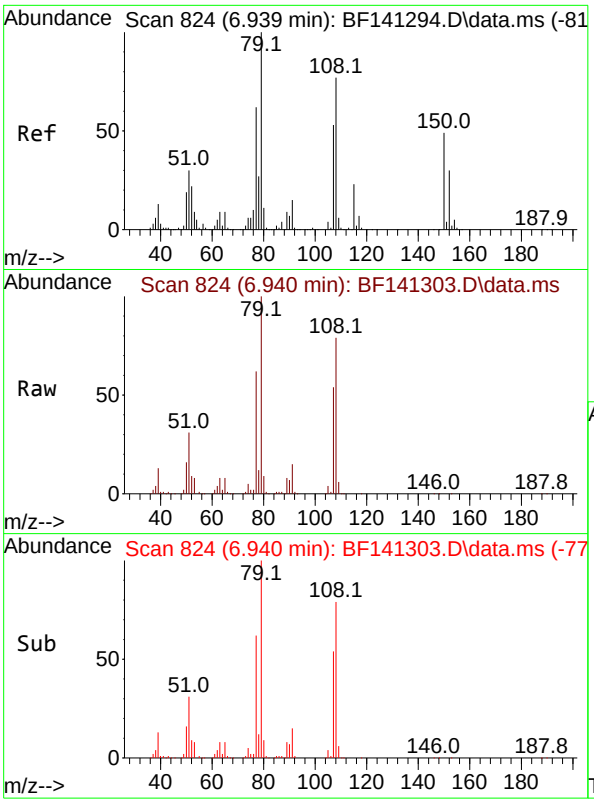


#14
1,2-Dichlorobenzene
Concen: 45.045 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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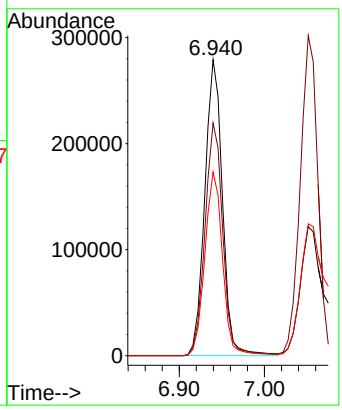
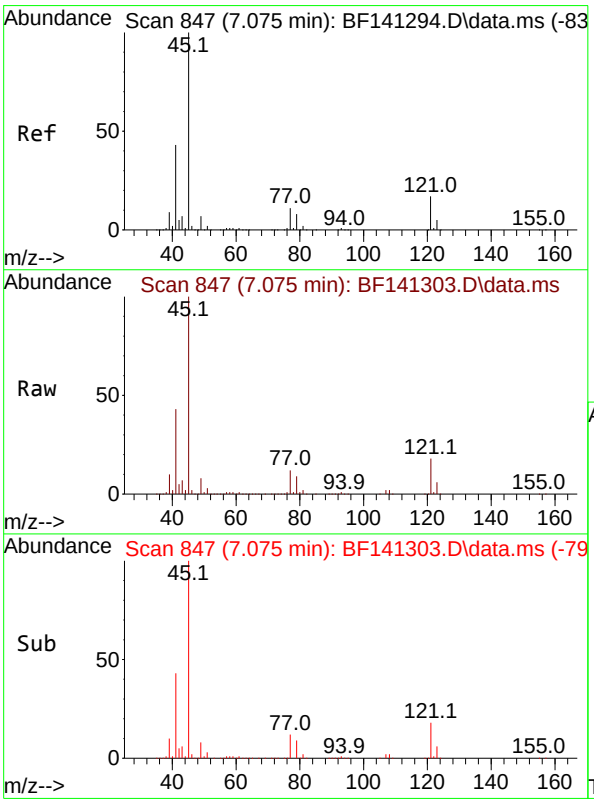
Supervised By :mohammad ahmed 01/31/2025

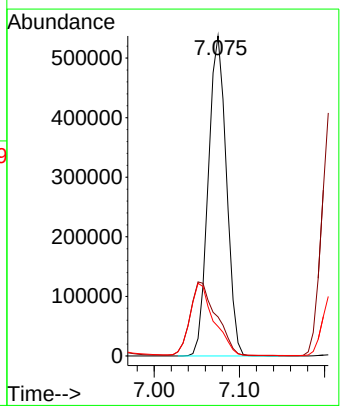


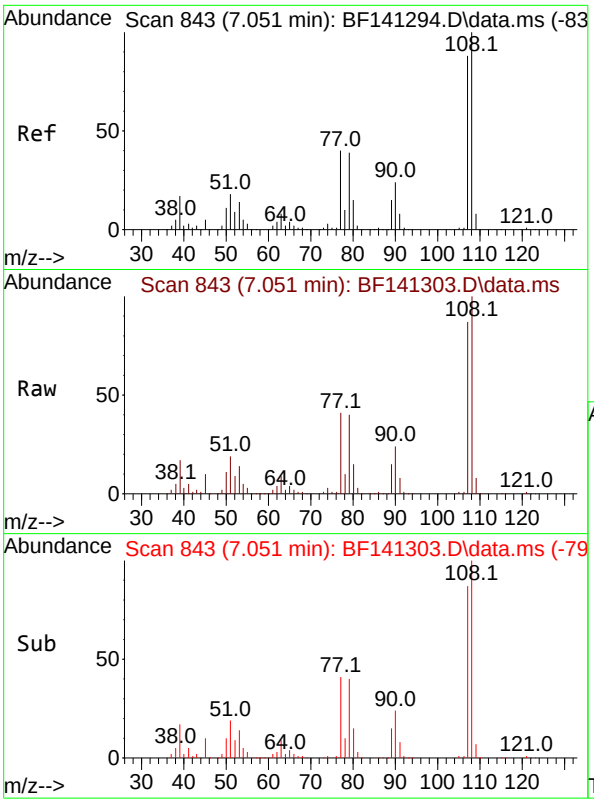


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.711 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

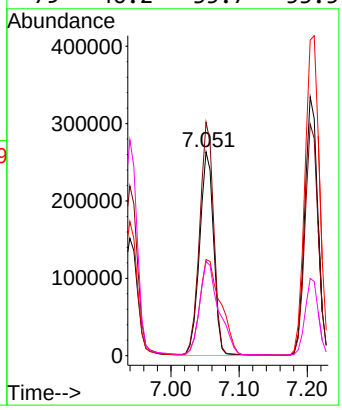




#17
2-Methylphenol
Concen: 47.030 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations
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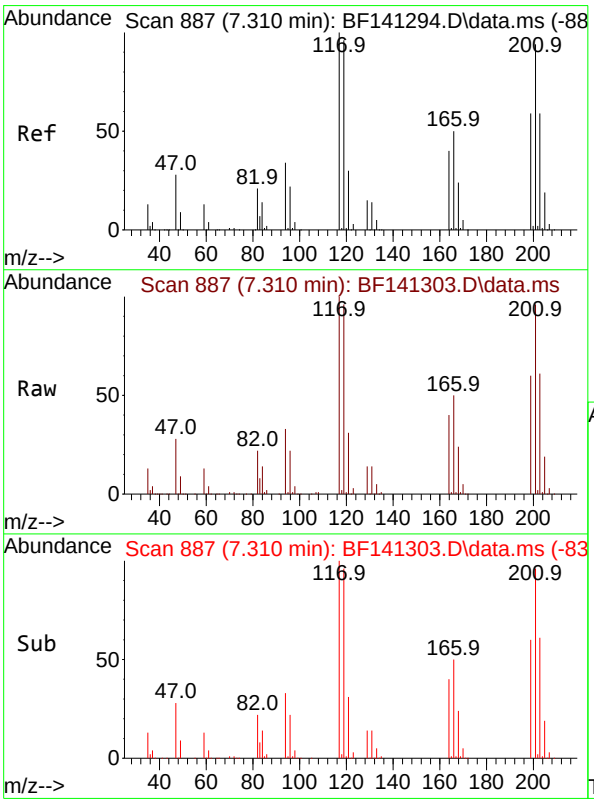
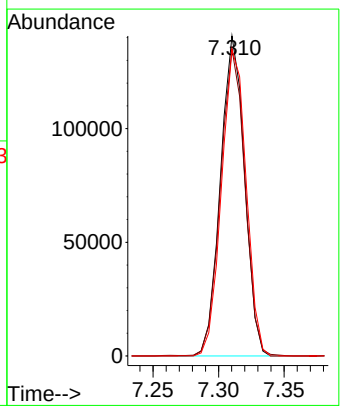
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

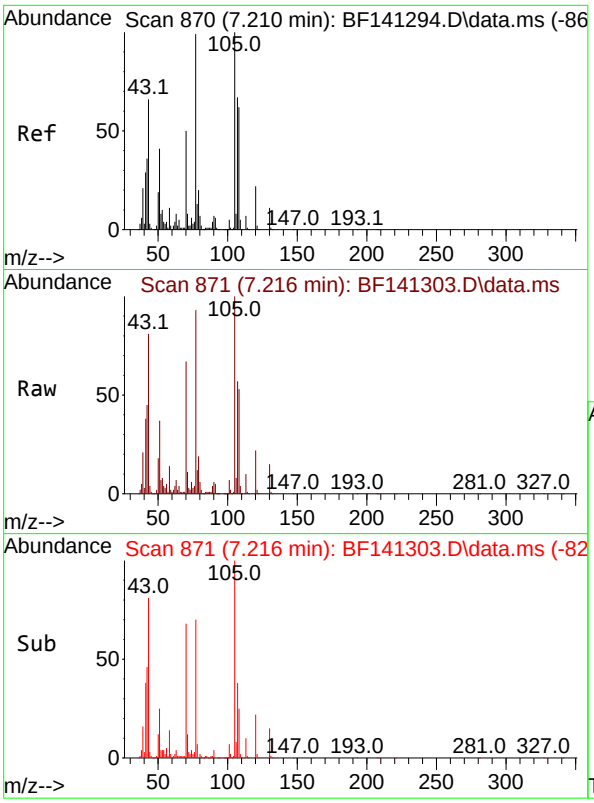


#18
Hexachloroethane
Concen: 44.272 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

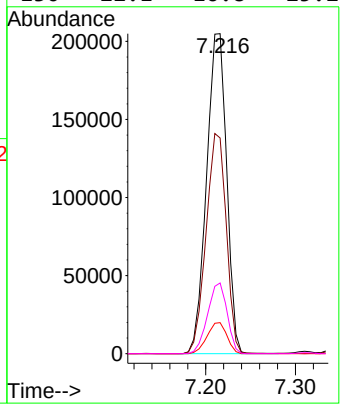




#19
n-Nitroso-di-n-propylamine
Concen: 45.551 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
BNA_F
ClientSampleId :
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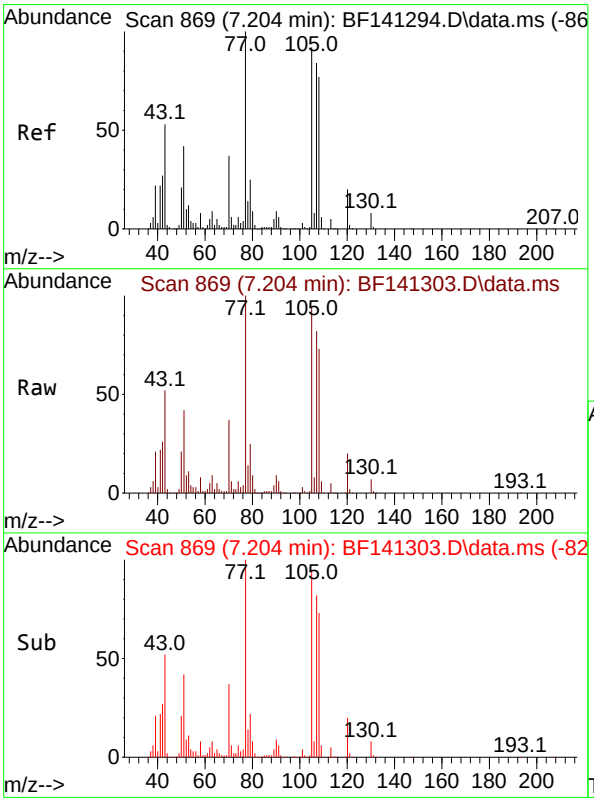
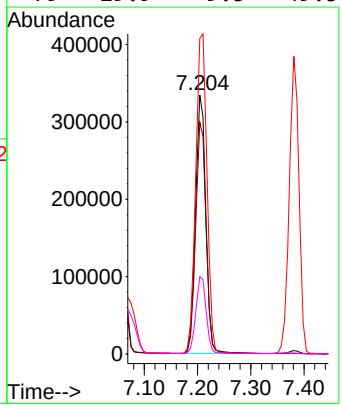
Supervised By :mohammad ahmed 01/31/2025

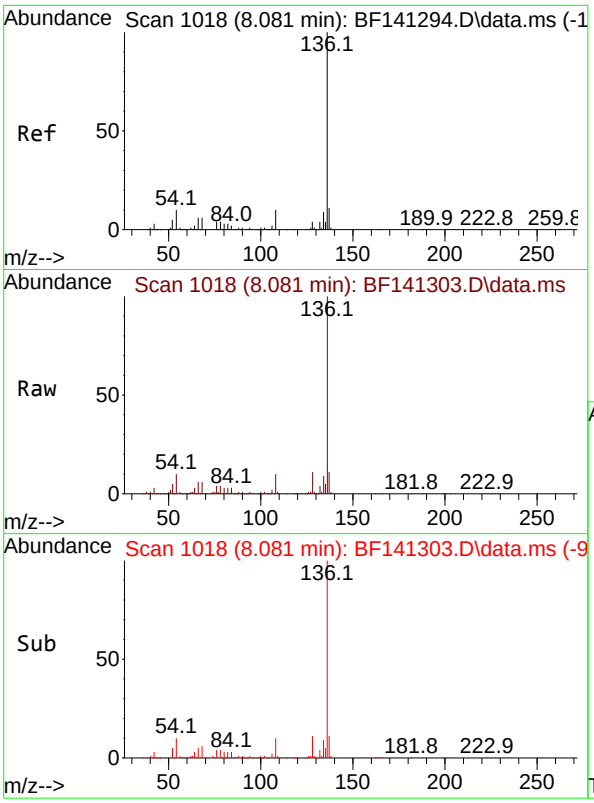


#20
3+4-Methylphenols
Concen: 45.403 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

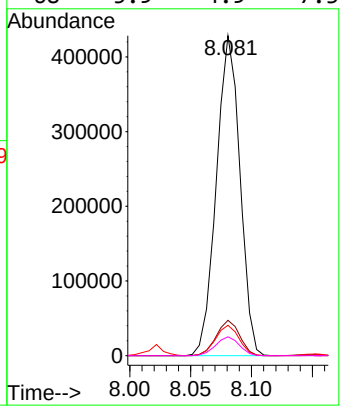




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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



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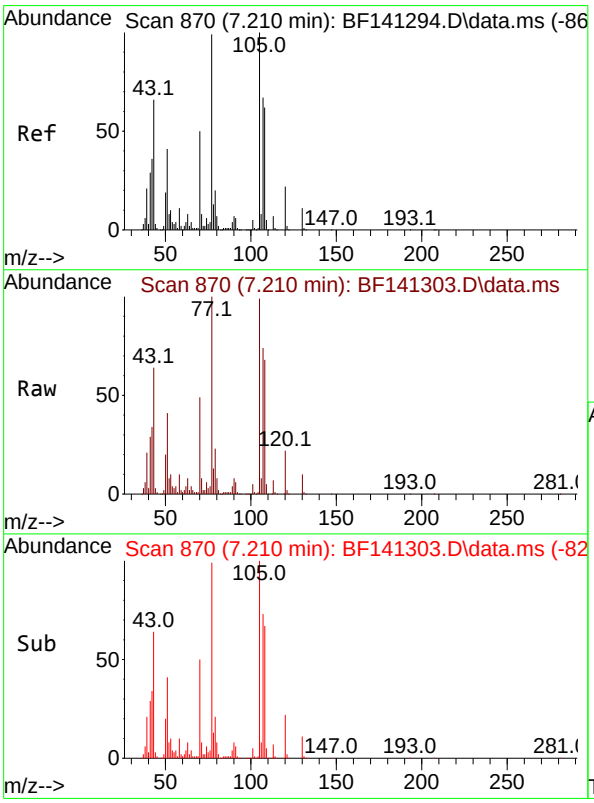
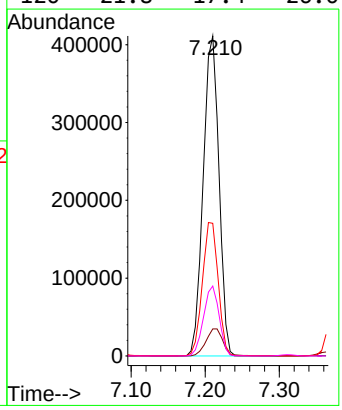
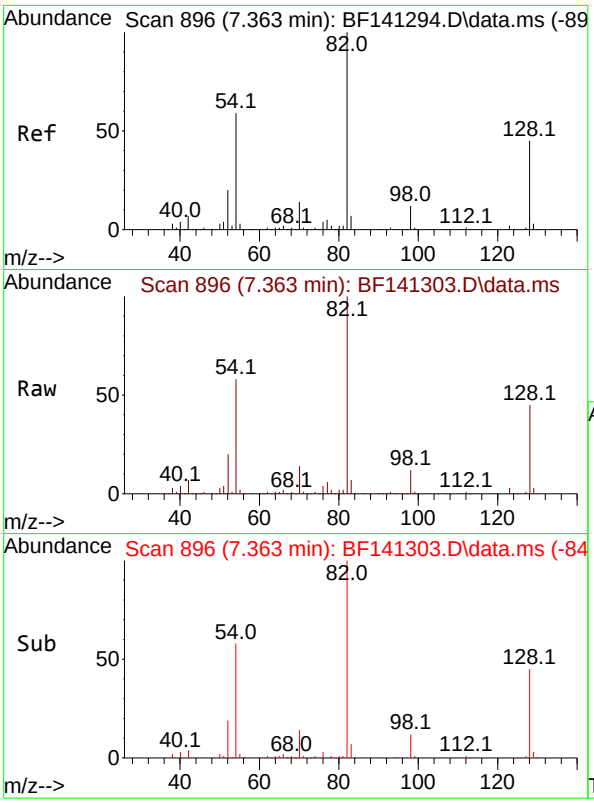


#22
Acetophenone
Concen: 44.258 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

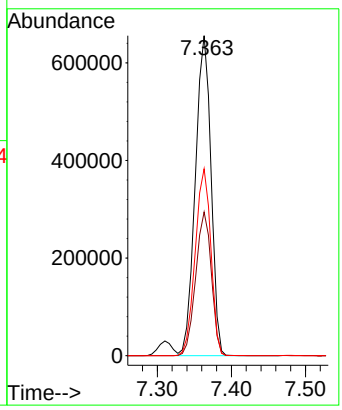




#23
Nitrobenzene-d5
Concen: 87.947 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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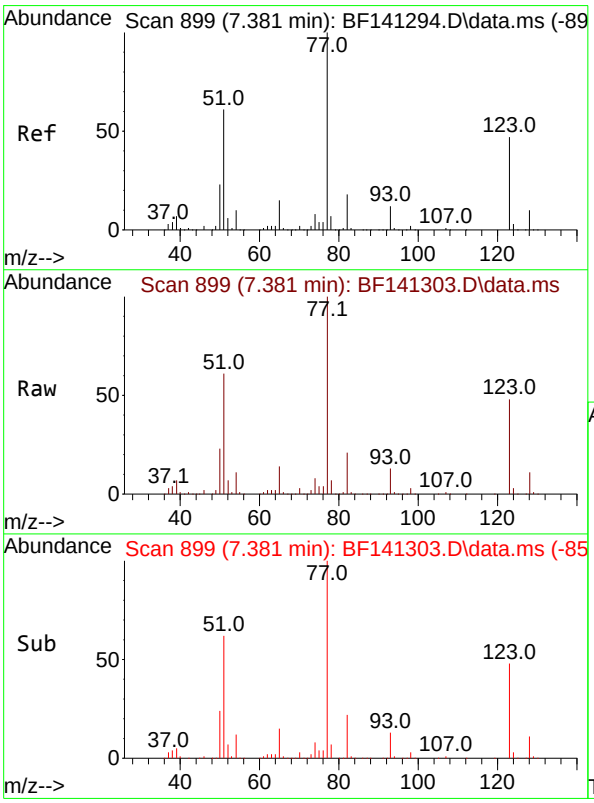
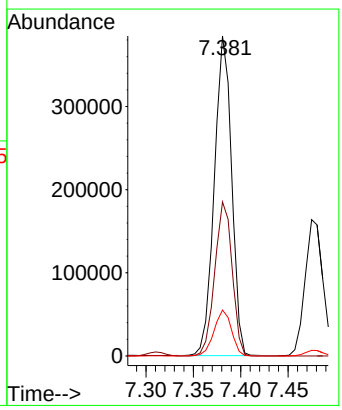
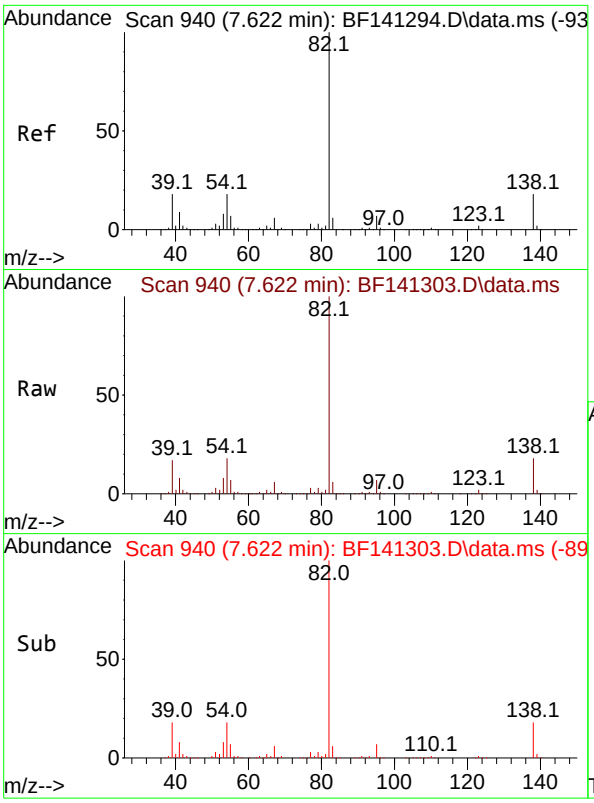


#24
Nitrobenzene
Concen: 43.064 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

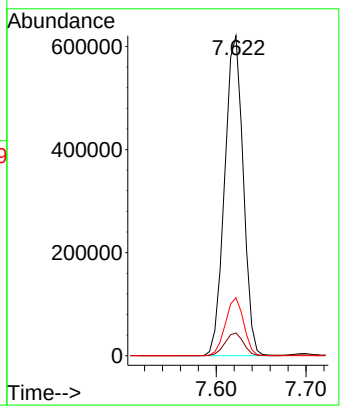




#25
Isophorone
Concen: 47.071 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
PB166335BS

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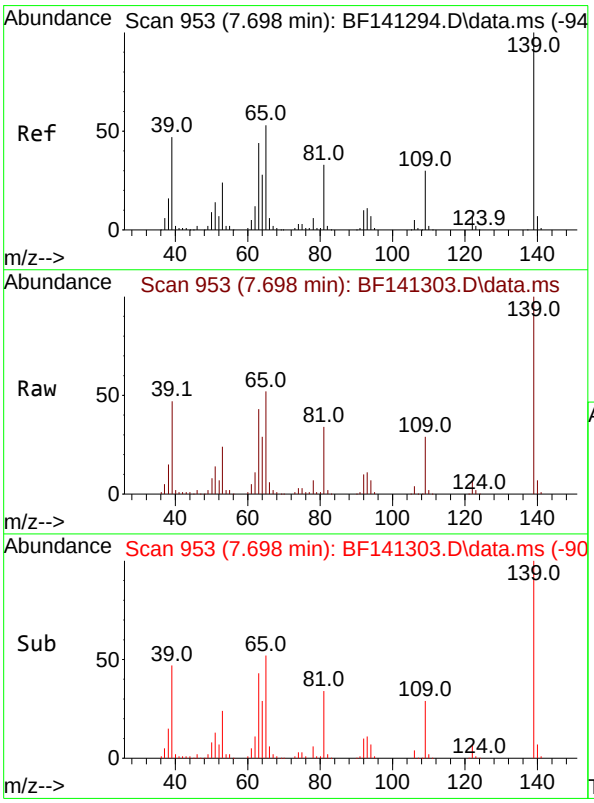
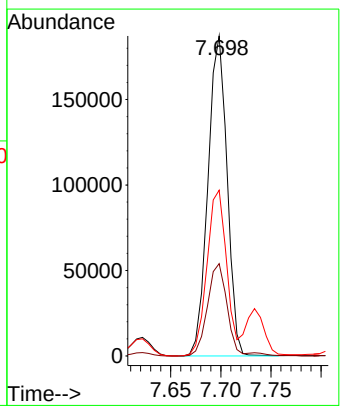
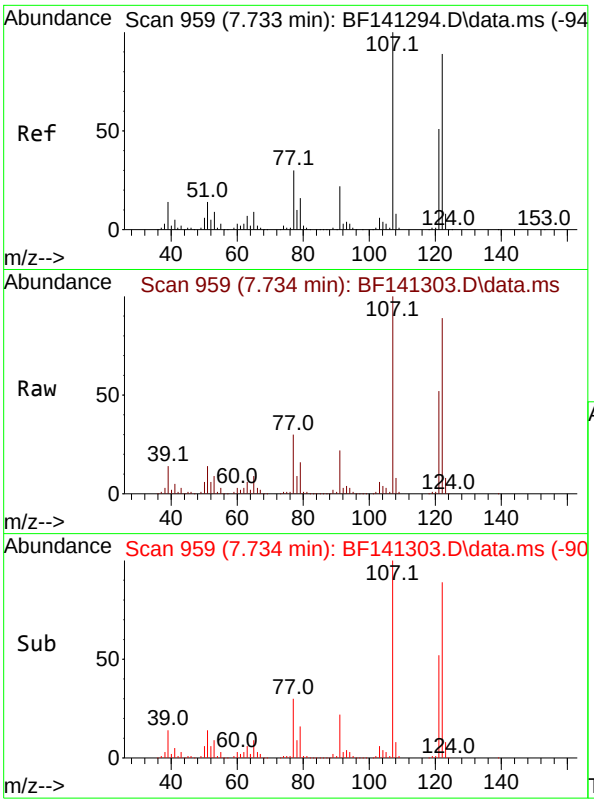


#26
2-Nitrophenol
Concen: 46.424 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

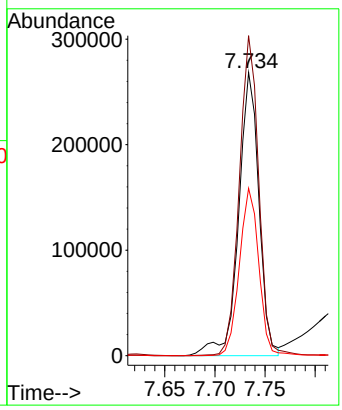




#27
2,4-Dimethylphenol
Concen: 55.605 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
PB166335BS

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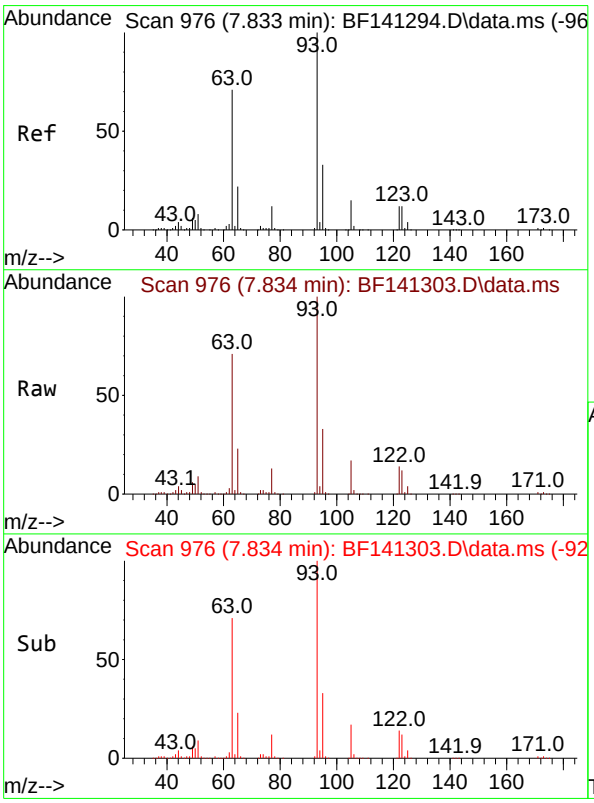
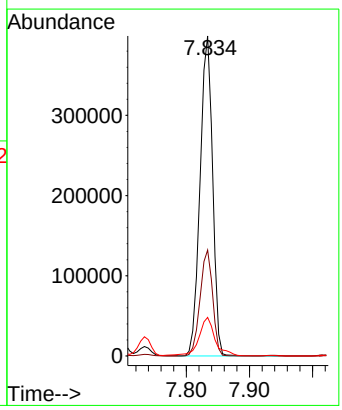
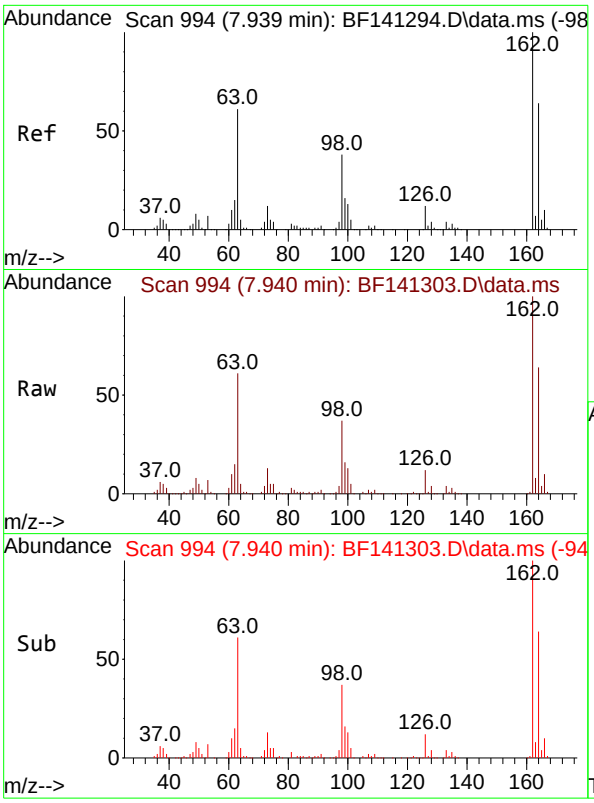


#28
bis(2-Chloroethoxy)methane
Concen: 45.641 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

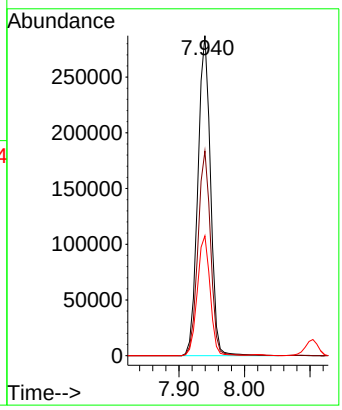




#29
2,4-Dichlorophenol
Concen: 46.364 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
PB166335BS

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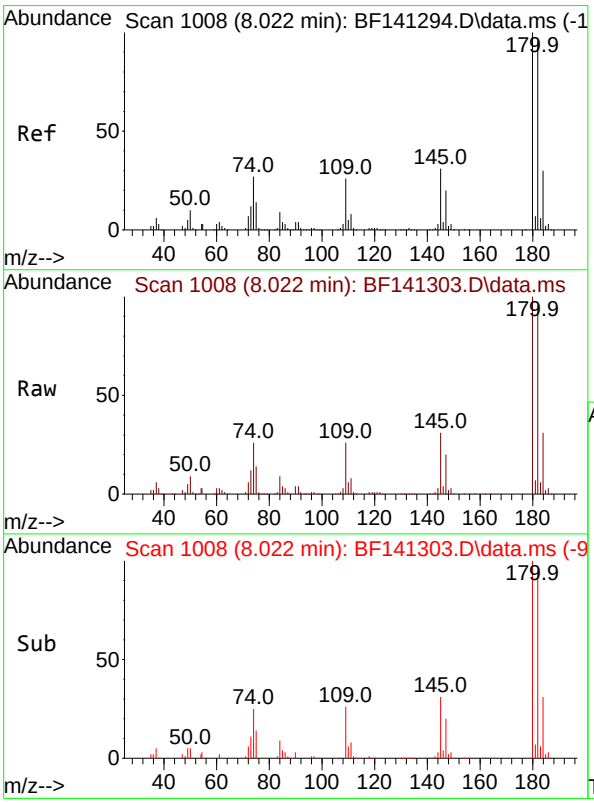
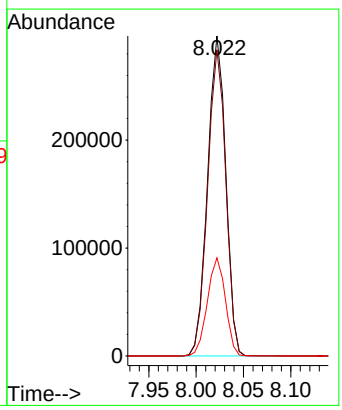
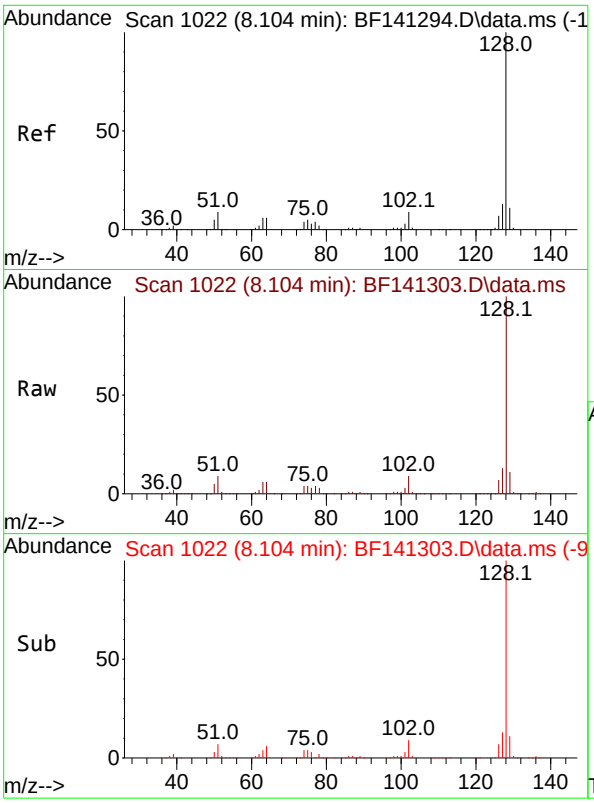


#30
1,2,4-Trichlorobenzene
Concen: 41.588 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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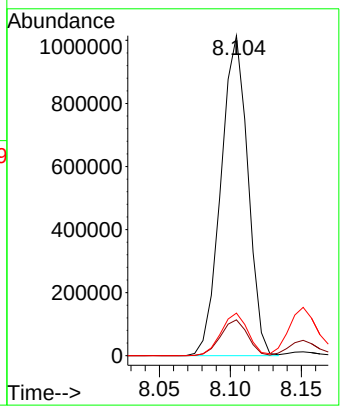
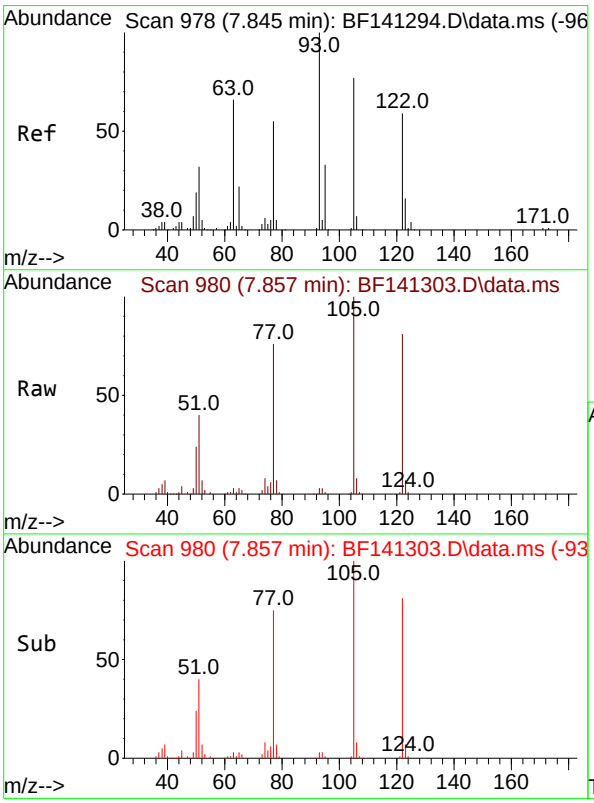
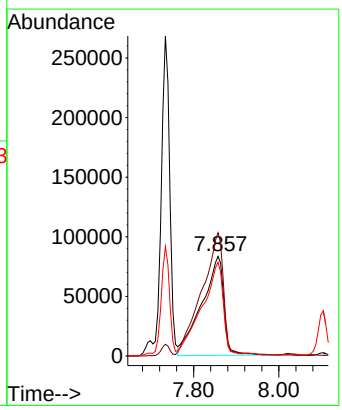


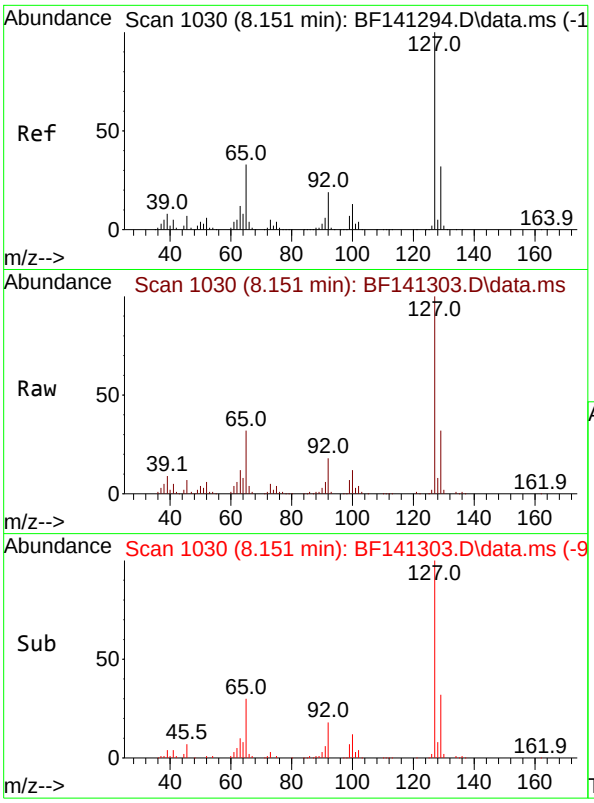


#32
Benzoic acid
Concen: 47.947 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

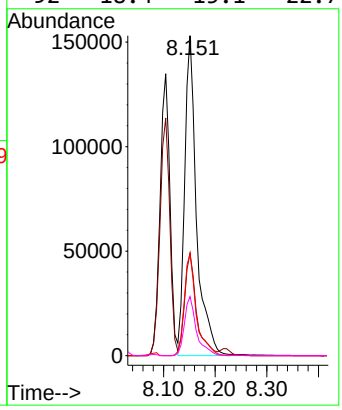




#33
4-Chloroaniline
Concen: 23.645 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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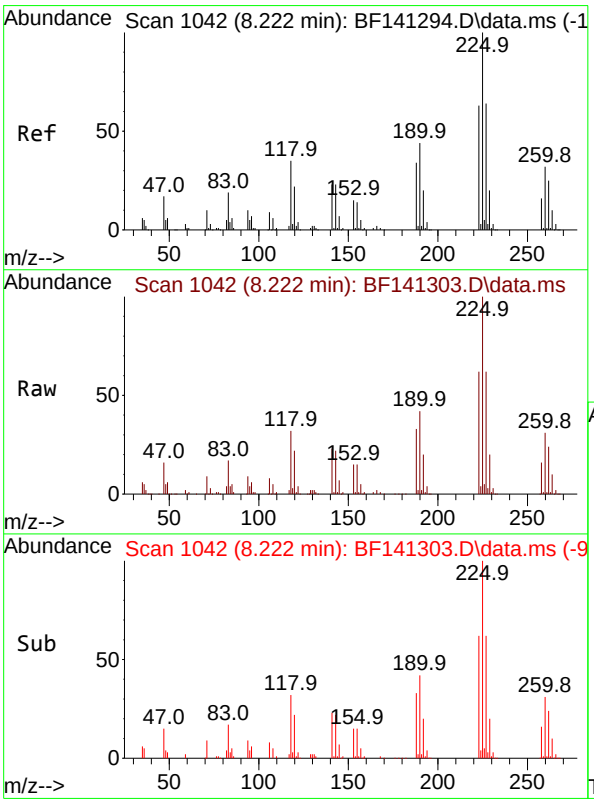
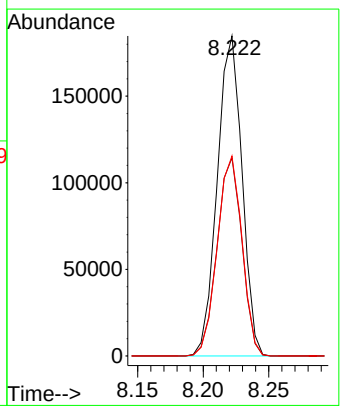
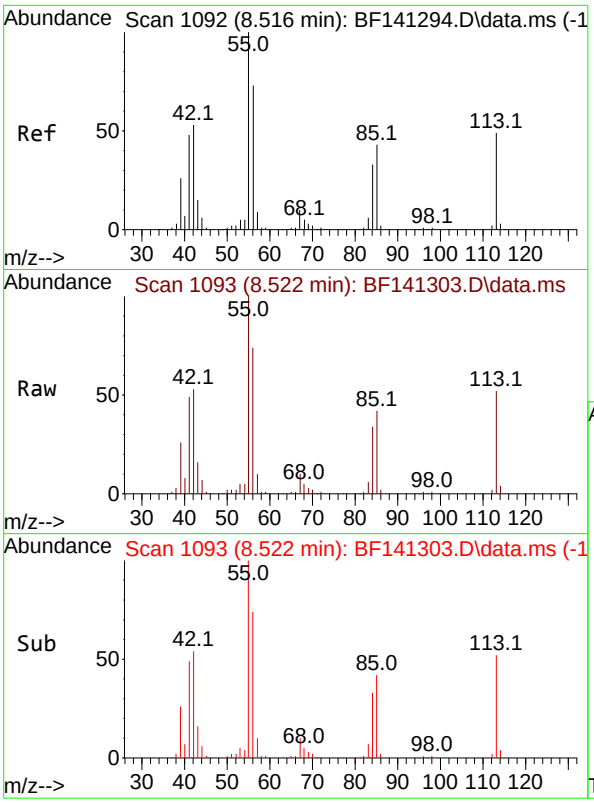


#34
Hexachlorobutadiene
Concen: 43.336 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

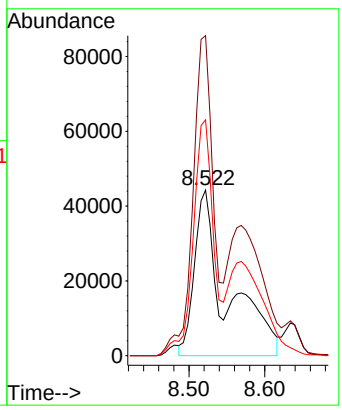




#35
Caprolactam
Concen: 47.704 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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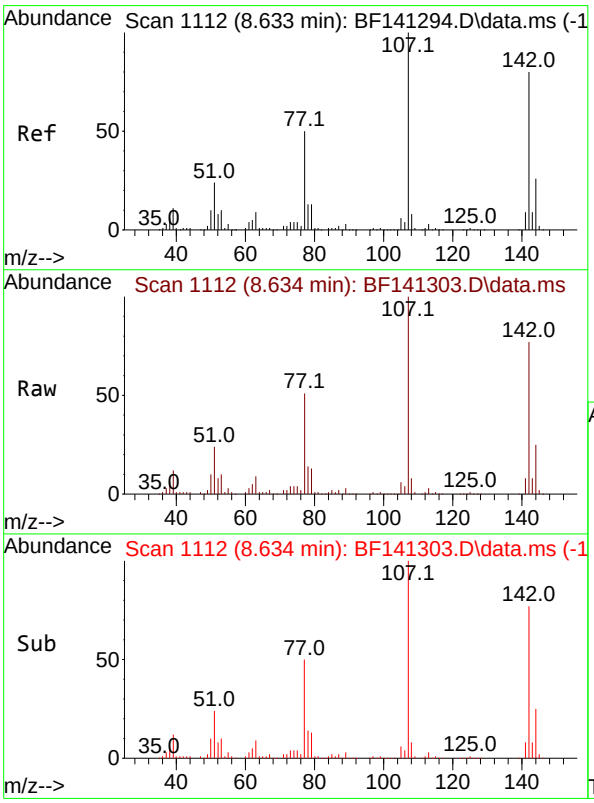
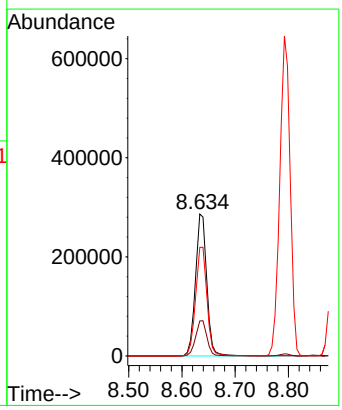
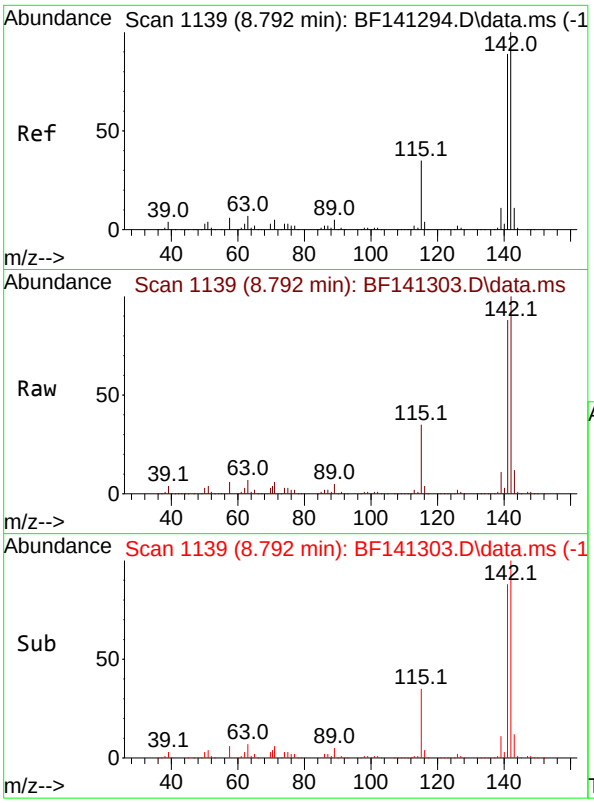


#36
4-Chloro-3-methylphenol
Concen: 47.276 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

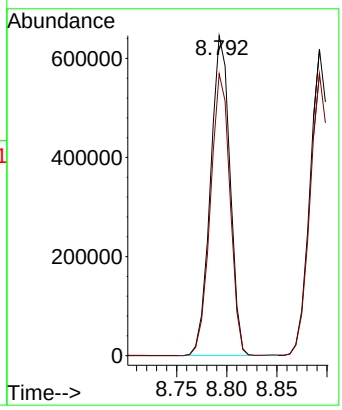




#37
2-Methylnaphthalene
Concen: 45.064 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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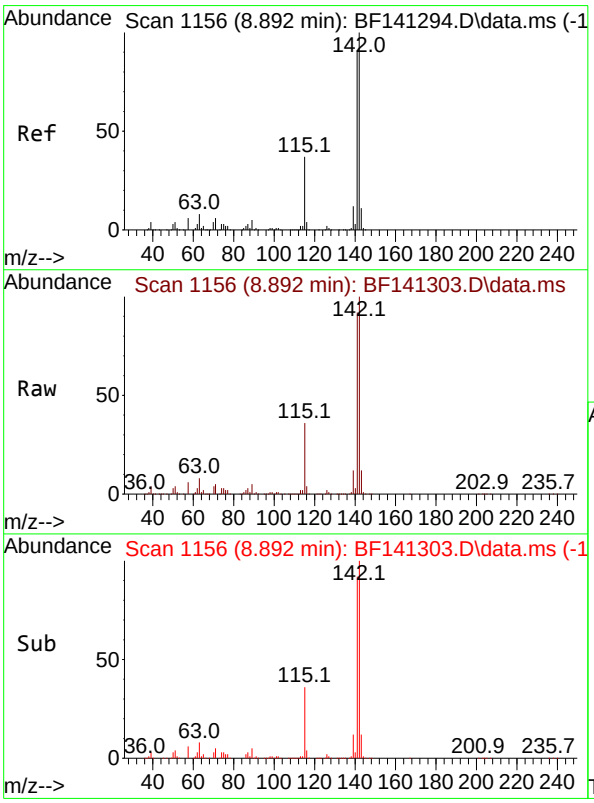
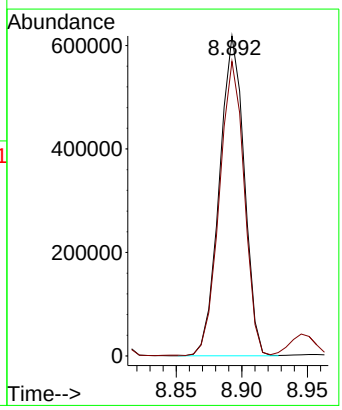
Supervised By :mohammad ahmed 01/31/2025

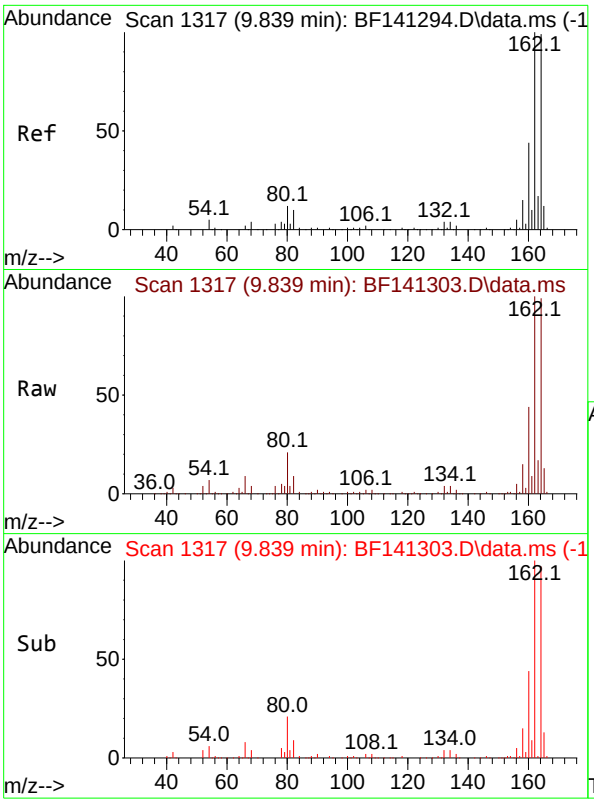


#38
1-Methylnaphthalene
Concen: 42.680 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:142 Resp: 813150

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.2	109.8

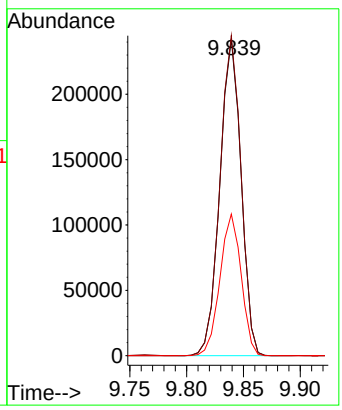




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
BNA_F
ClientSampleId :
PB166335BS

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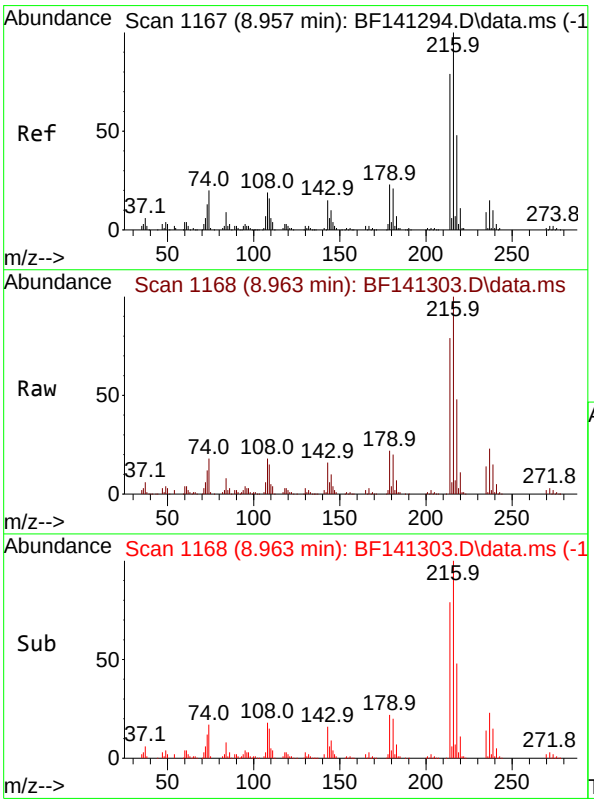
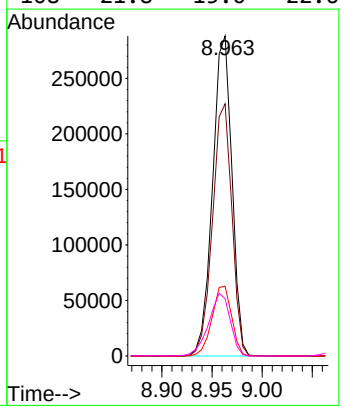
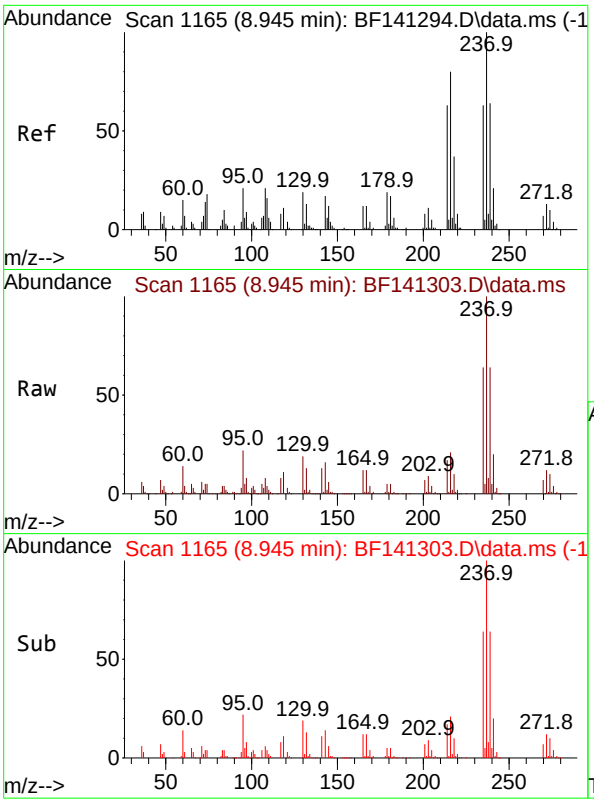


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.934 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

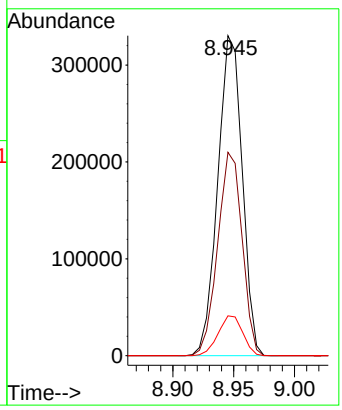




#41
Hexachlorocyclopentadiene
Concen: 174.494 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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ClientSampleId :
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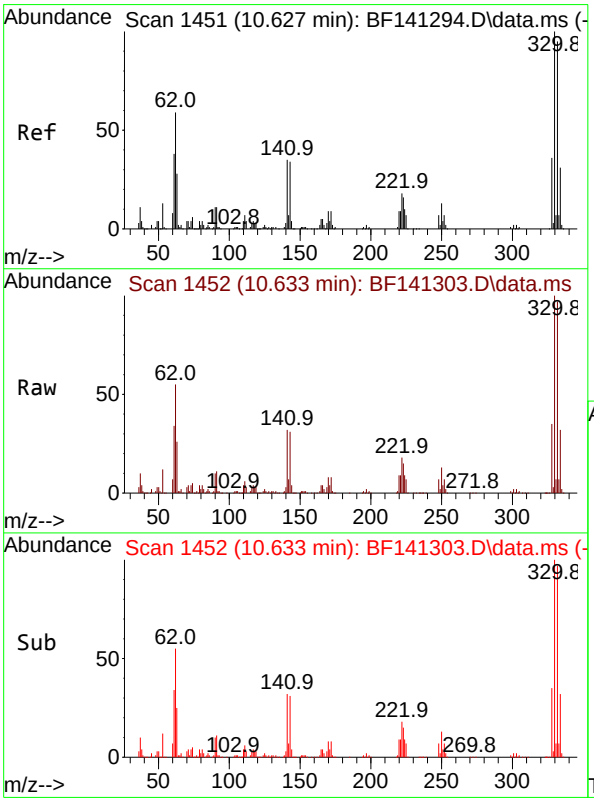
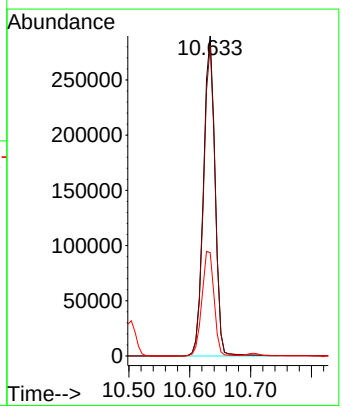
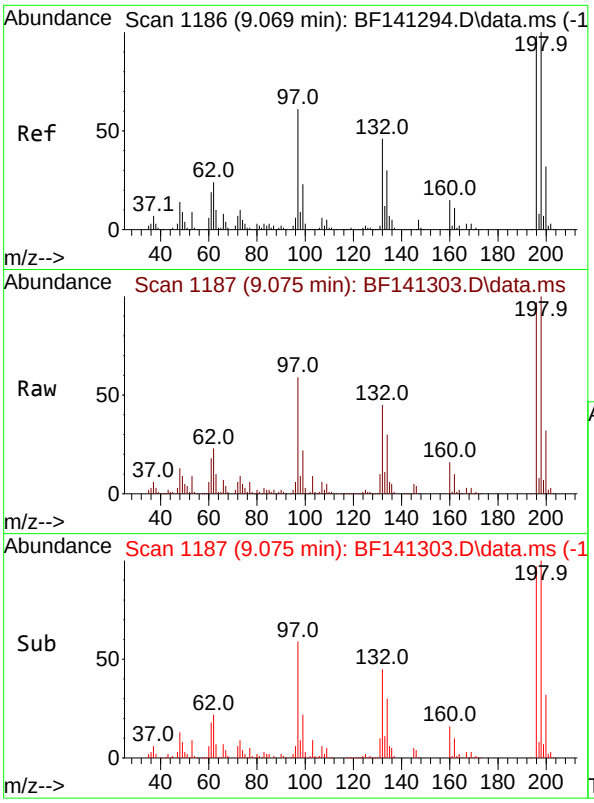


#42
2,4,6-Tribromophenol
Concen: 132.881 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

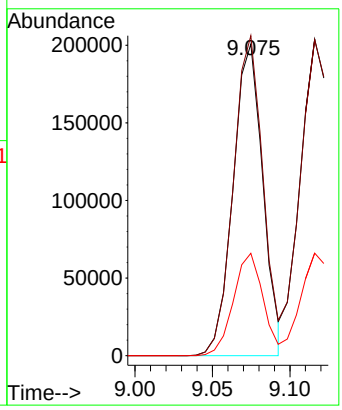




#43
2,4,6-Trichlorophenol
Concen: 45.768 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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ClientSampleId :
PB166335BS

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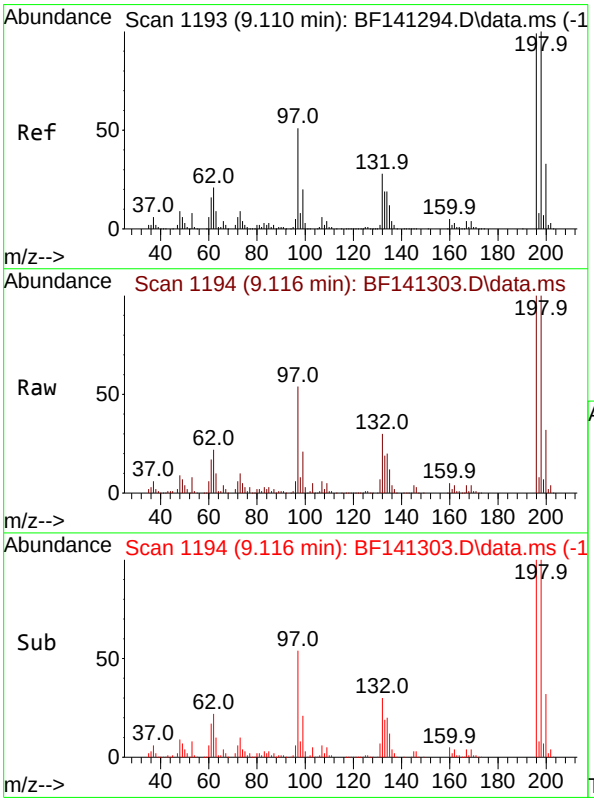
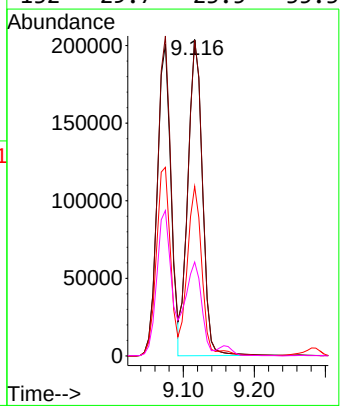
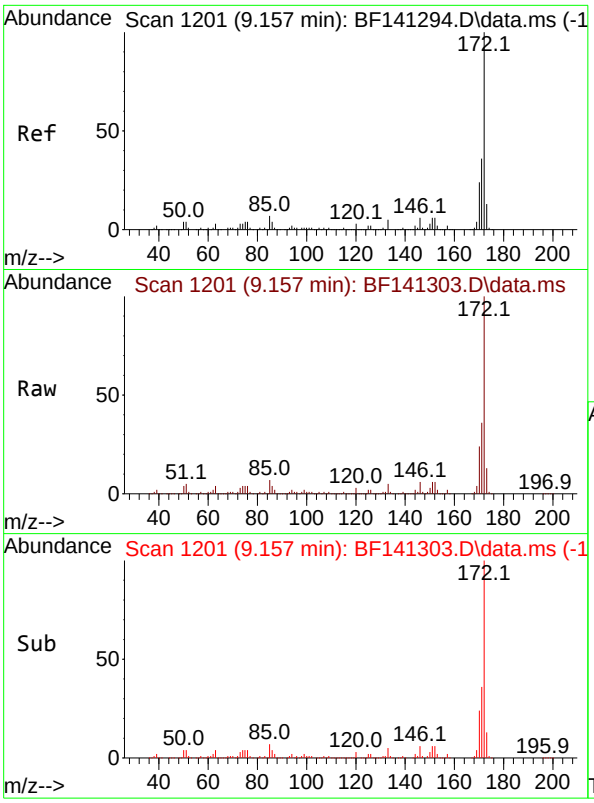


#44
2,4,5-Trichlorophenol
Concen: 45.357 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

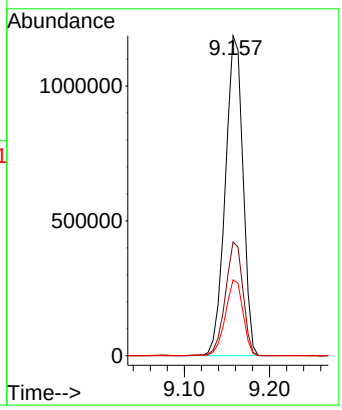




#45
2-Fluorobiphenyl
Concen: 83.483 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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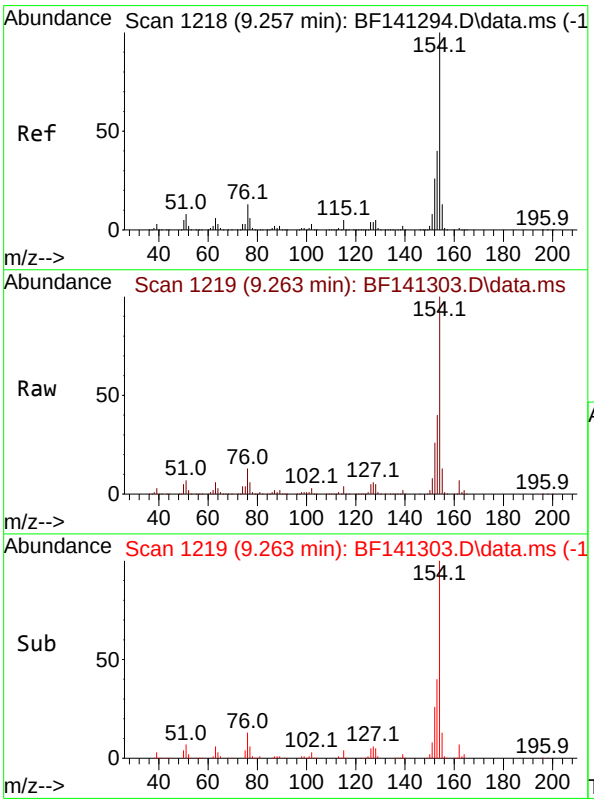
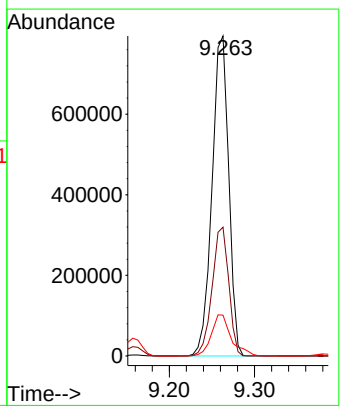
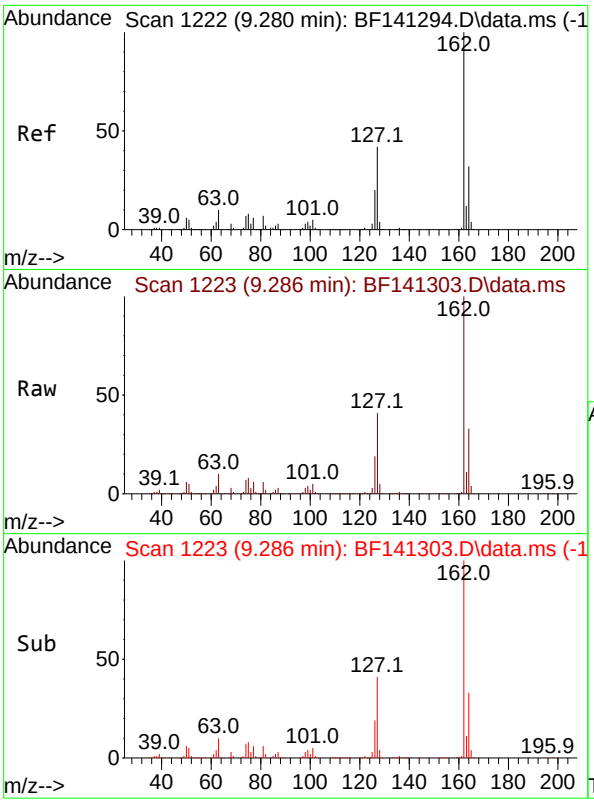


#46
1,1'-Biphenyl
Concen: 43.923 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

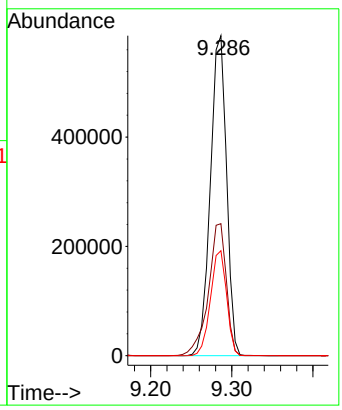




#47
2-Chloronaphthalene
Concen: 42.319 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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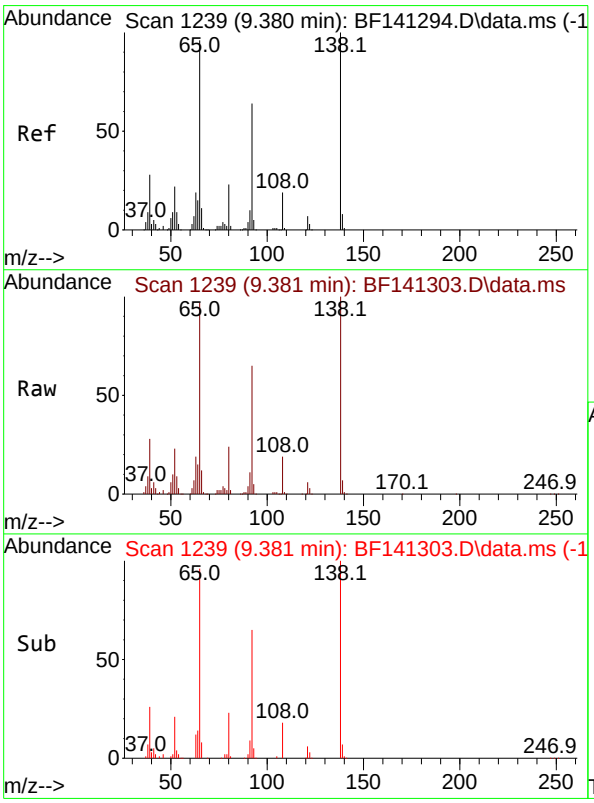
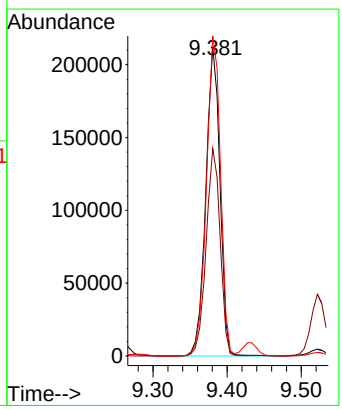
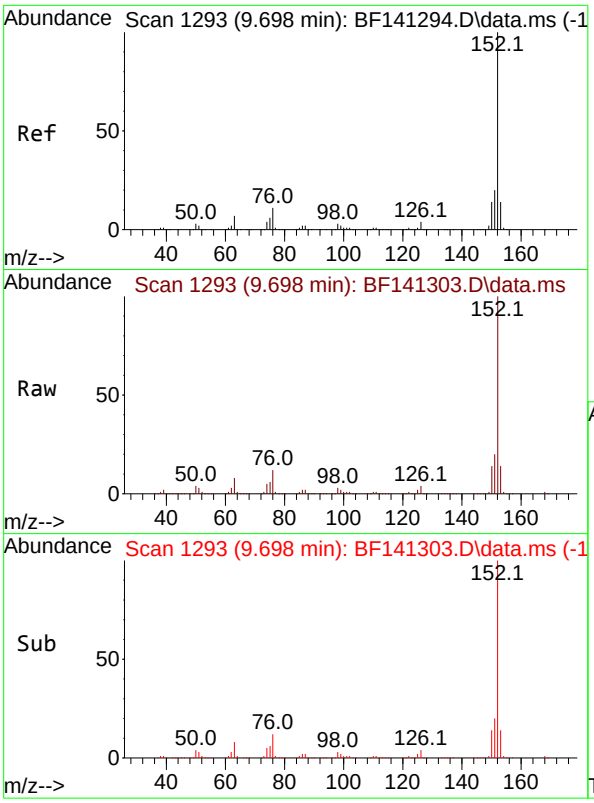


#48
2-Nitroaniline
Concen: 46.739 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

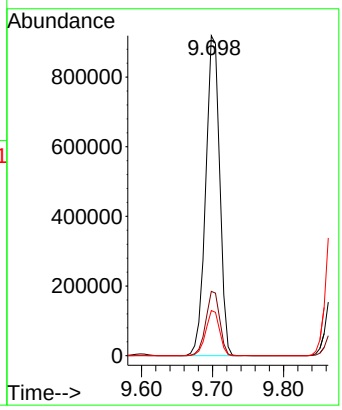




#49
Acenaphthylene
Concen: 46.969 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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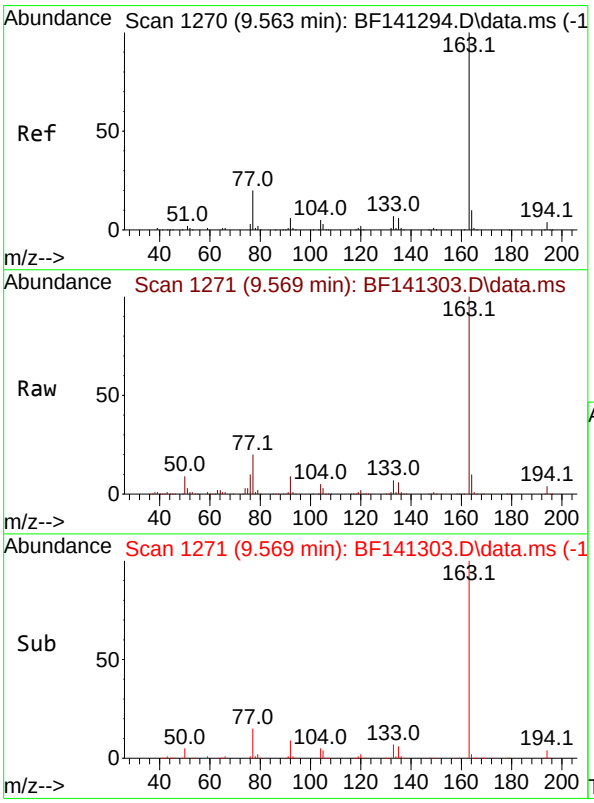
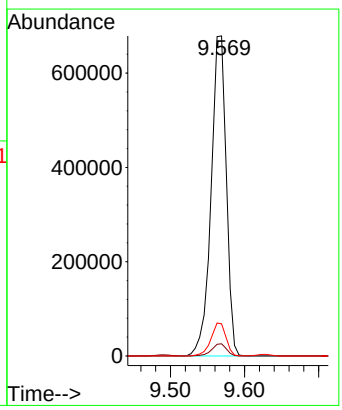
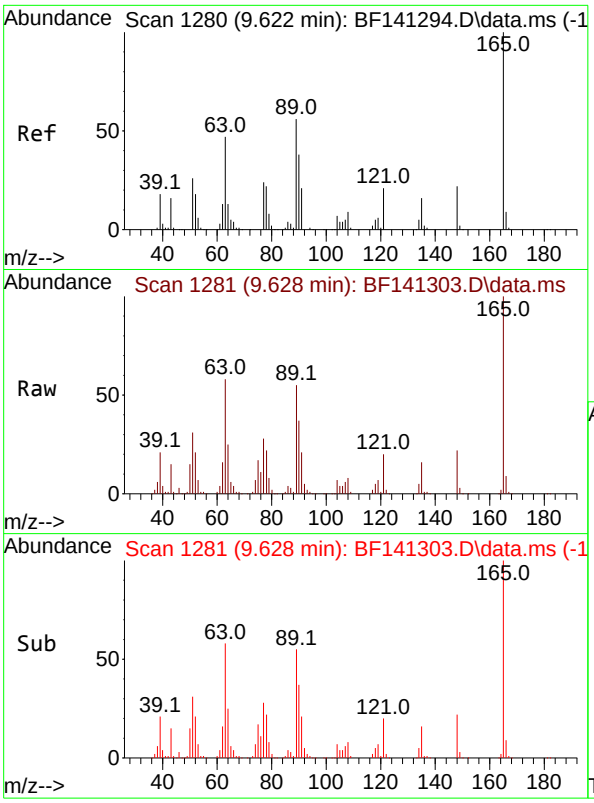


#50
Dimethylphthalate
Concen: 45.457 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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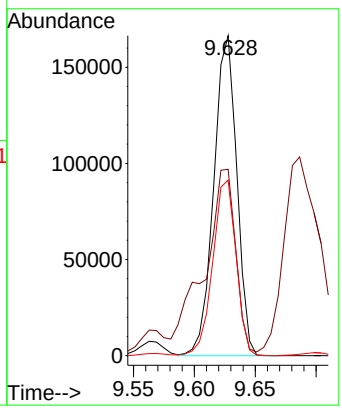
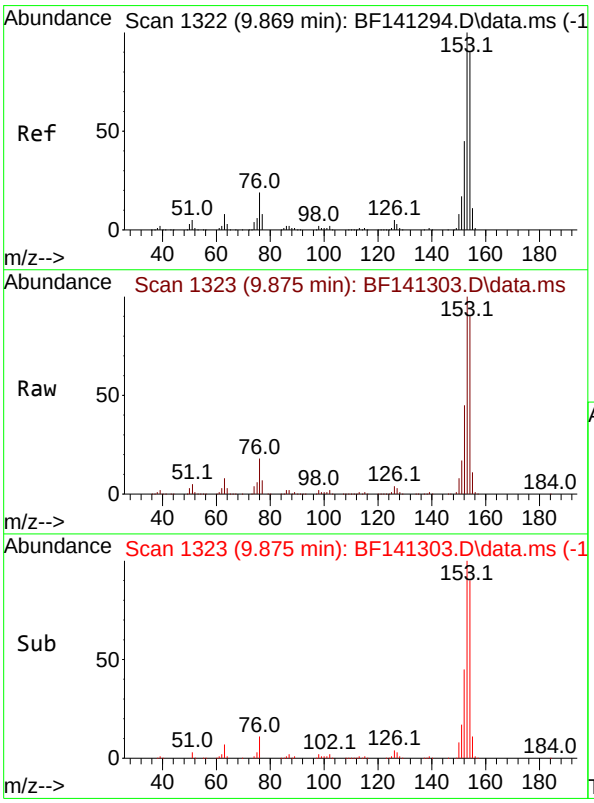
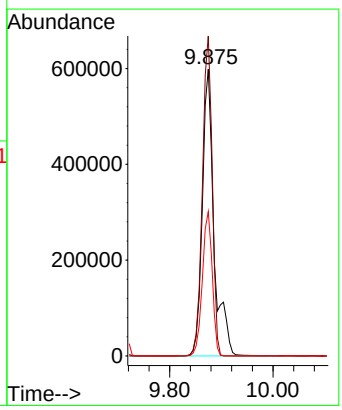


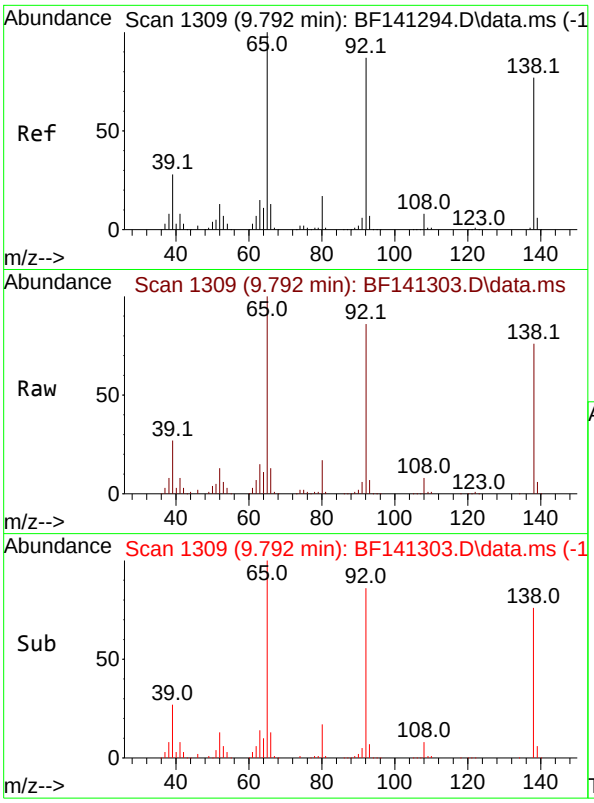


#52
Acenaphthene
Concen: 49.154 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

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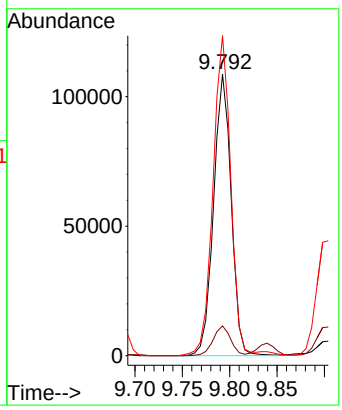
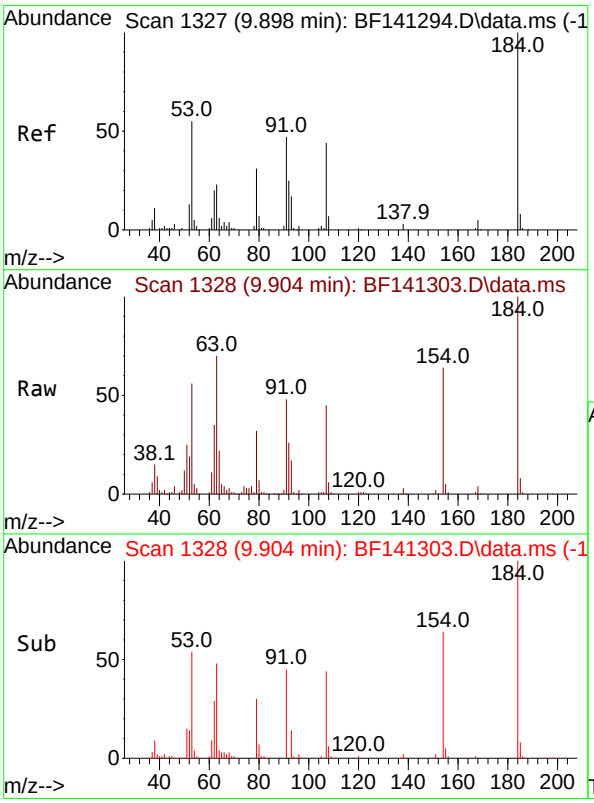
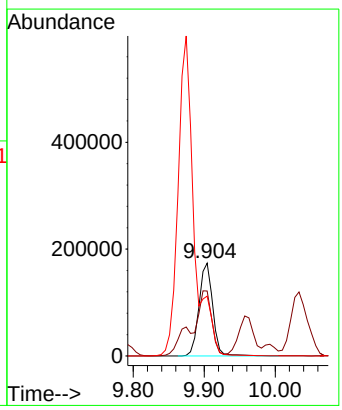


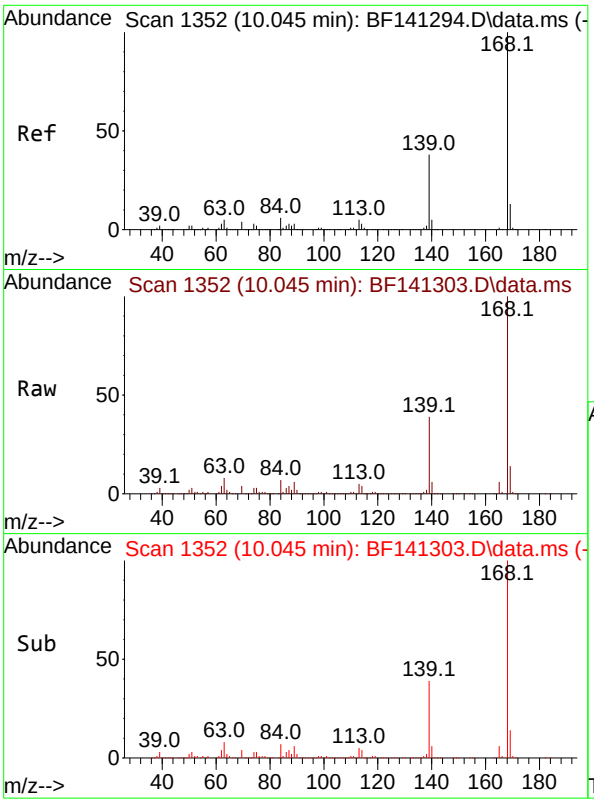


#54
2,4-Dinitrophenol
Concen: 101.996 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

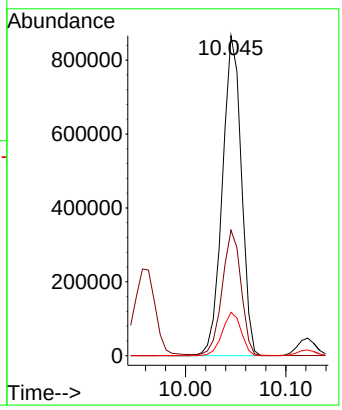




#55
Dibenzofuran
Concen: 44.361 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
PB166335BS

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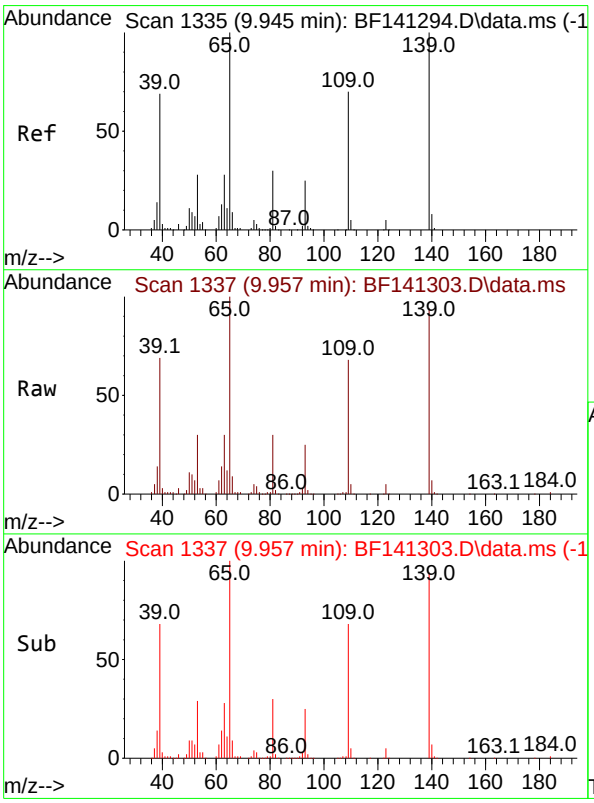
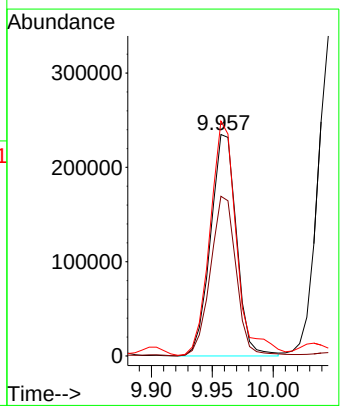
Supervised By :mohammad ahmed 01/31/2025

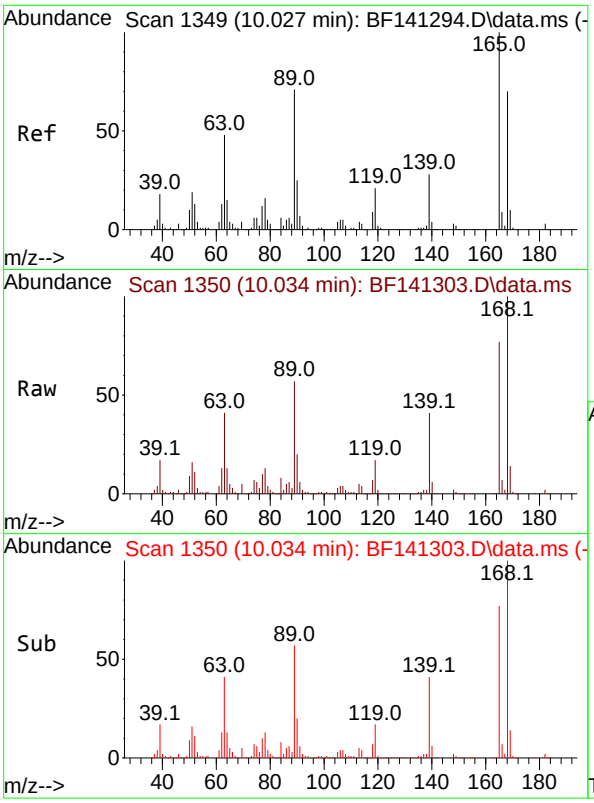


#56
4-Nitrophenol
Concen: 98.382 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

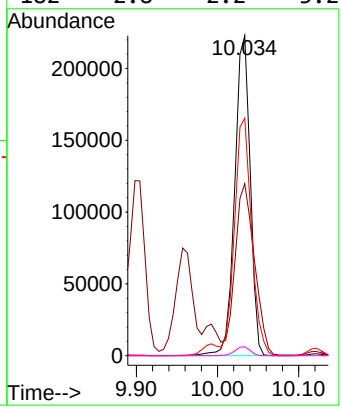




#57
2,4-Dinitrotoluene
Concen: 45.977 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
BNA_F
ClientSampleId :
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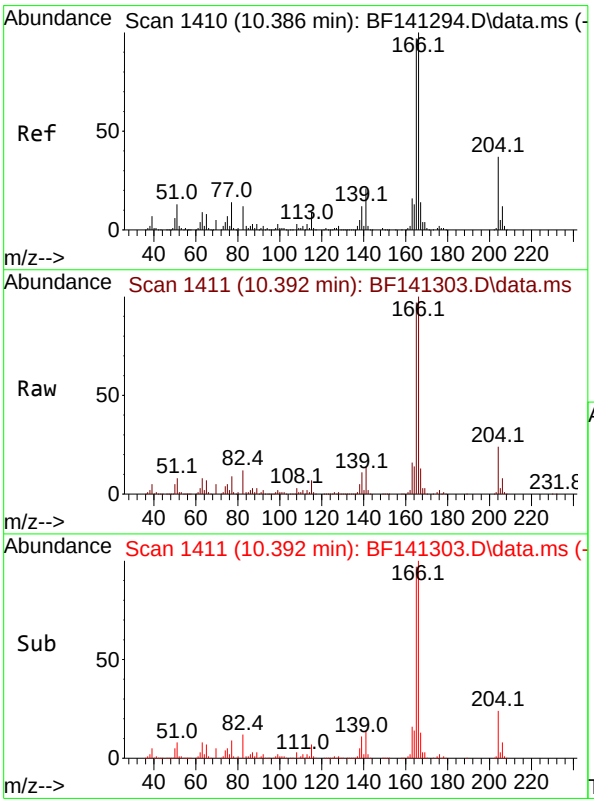
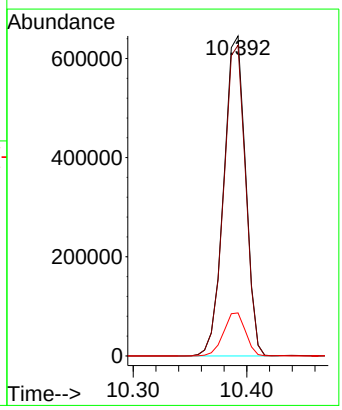
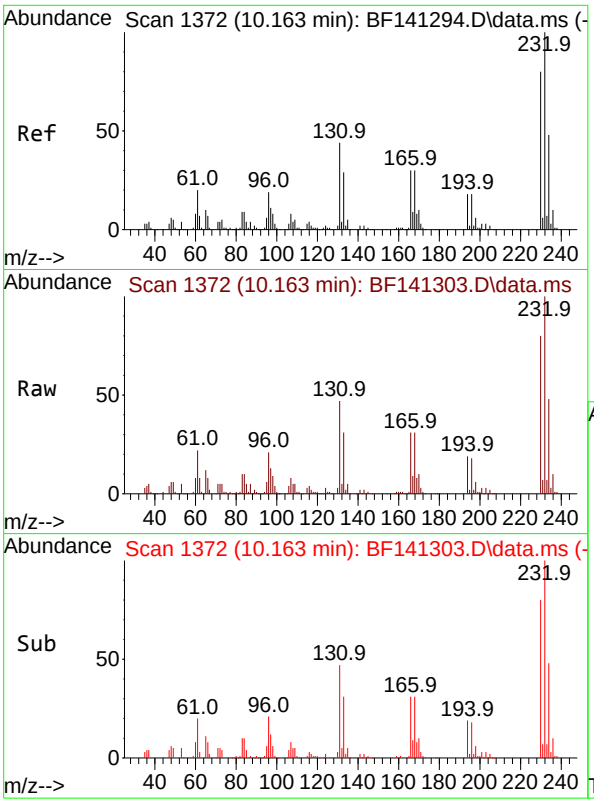


#58
Fluorene
Concen: 43.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

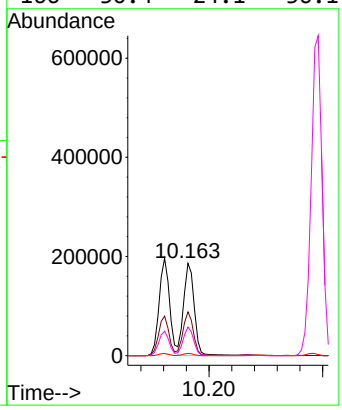




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.738 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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ClientSampleId :
PB166335BS

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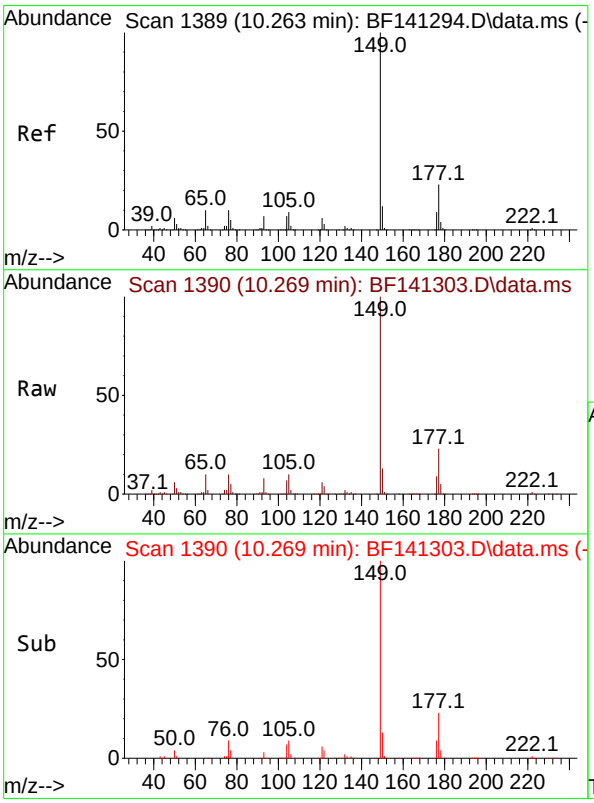
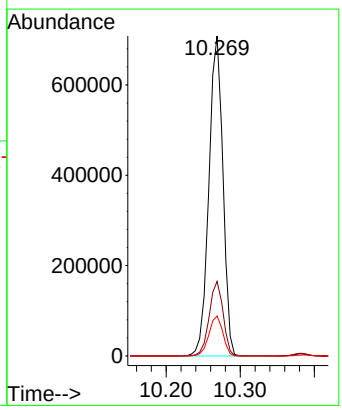
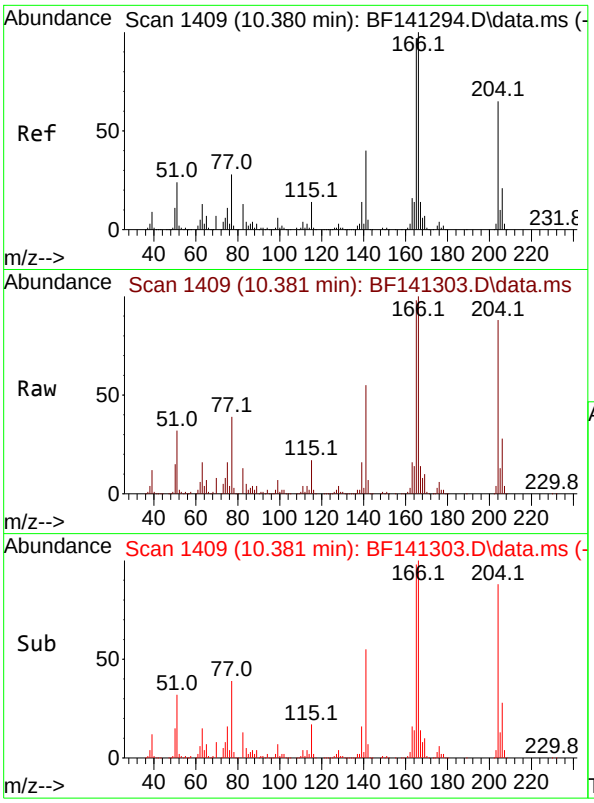


#60
Diethylphthalate
Concen: 45.051 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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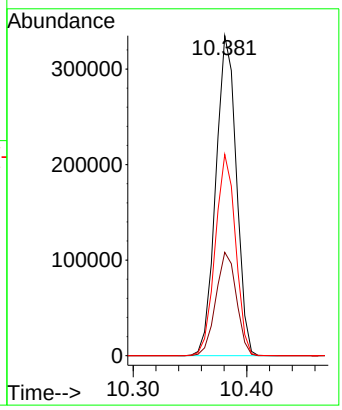
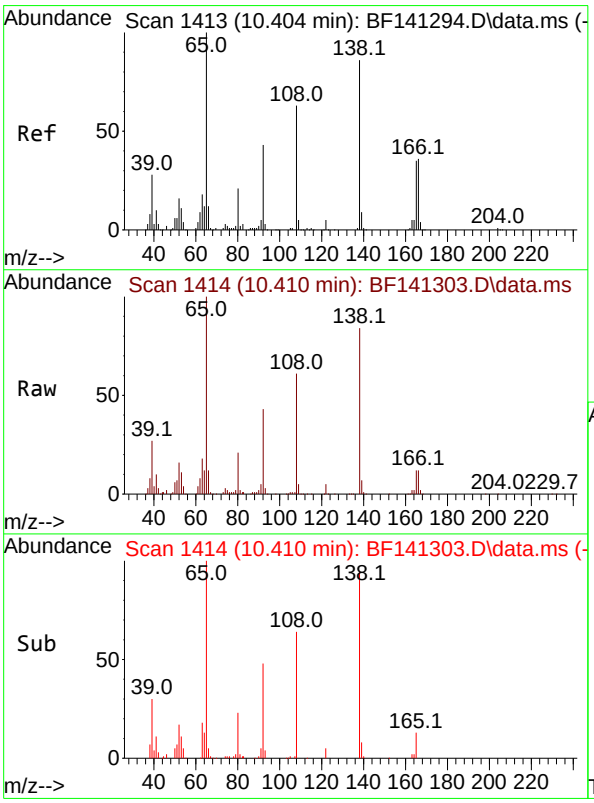
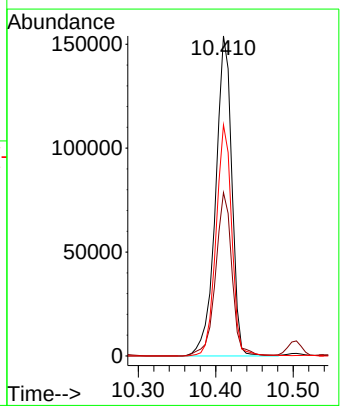


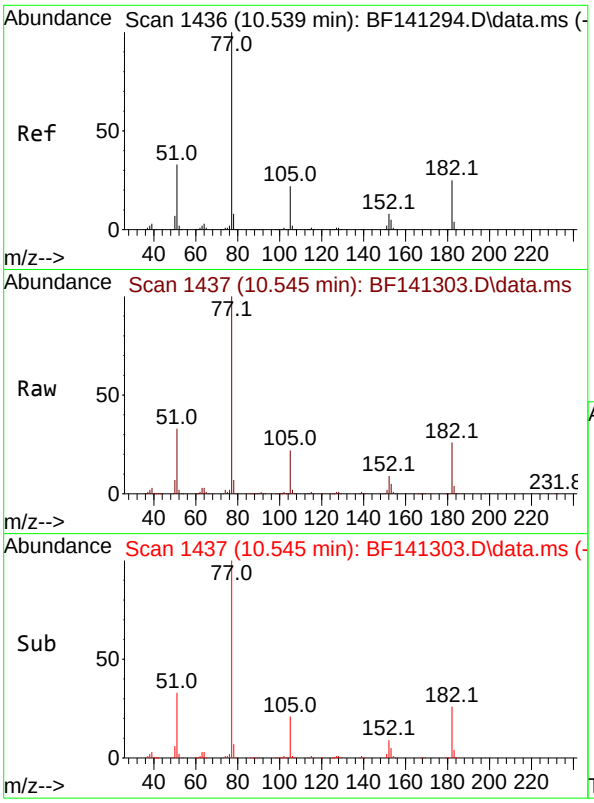


#62
4-Nitroaniline
Concen: 47.166 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

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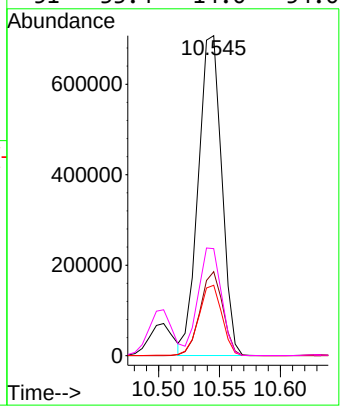
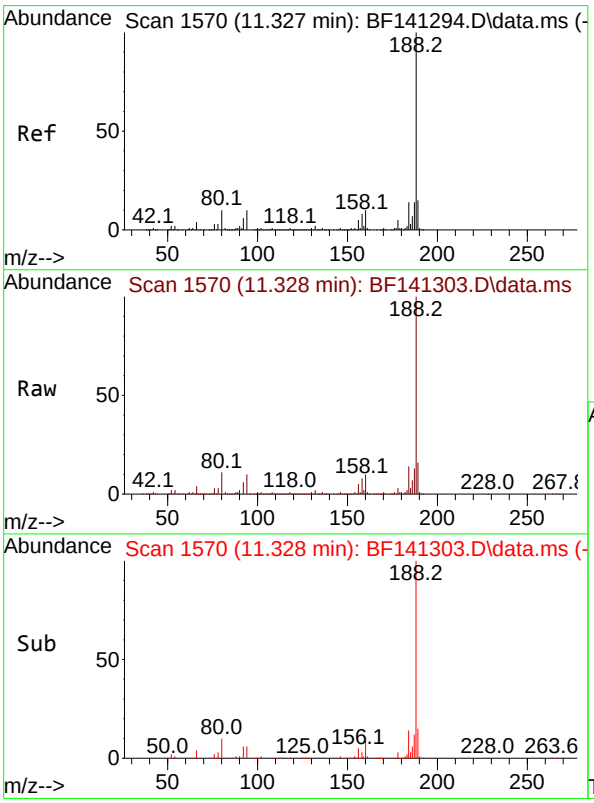
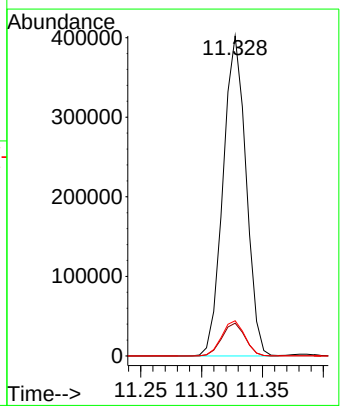


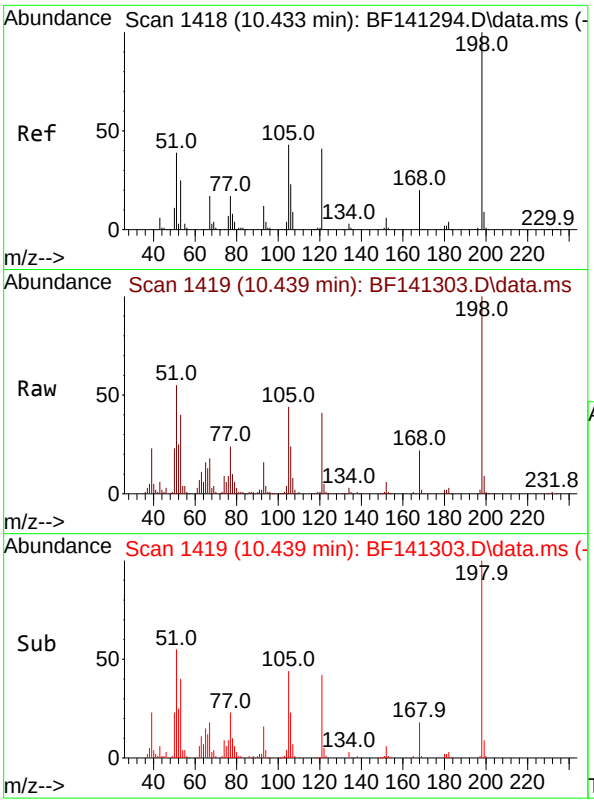


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

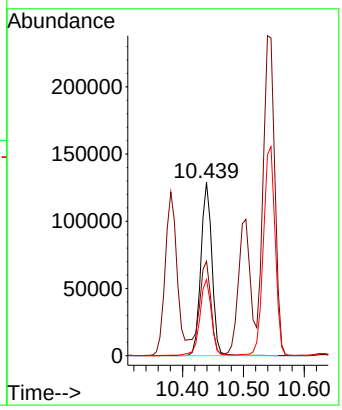




#65
4,6-Dinitro-2-methylphenol
Concen: 52.188 ng
RT: 10.439 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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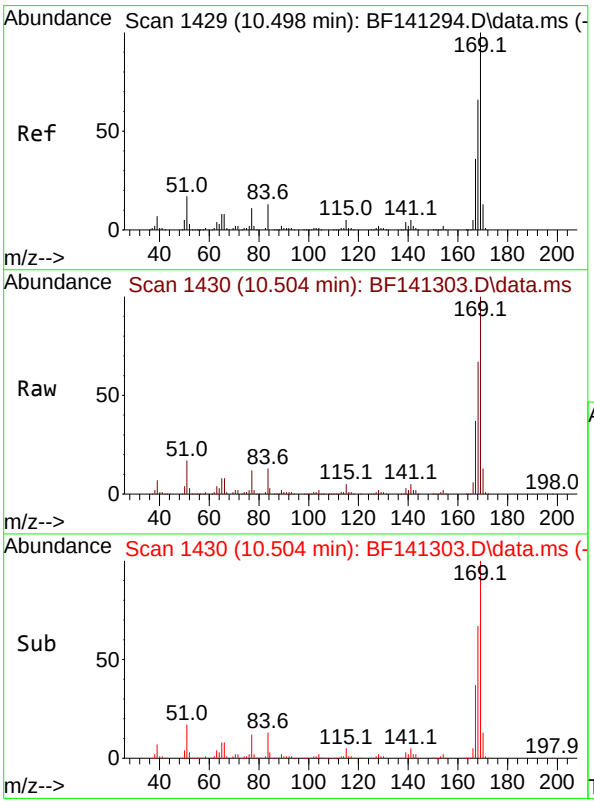
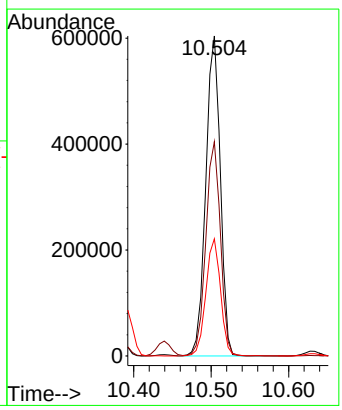
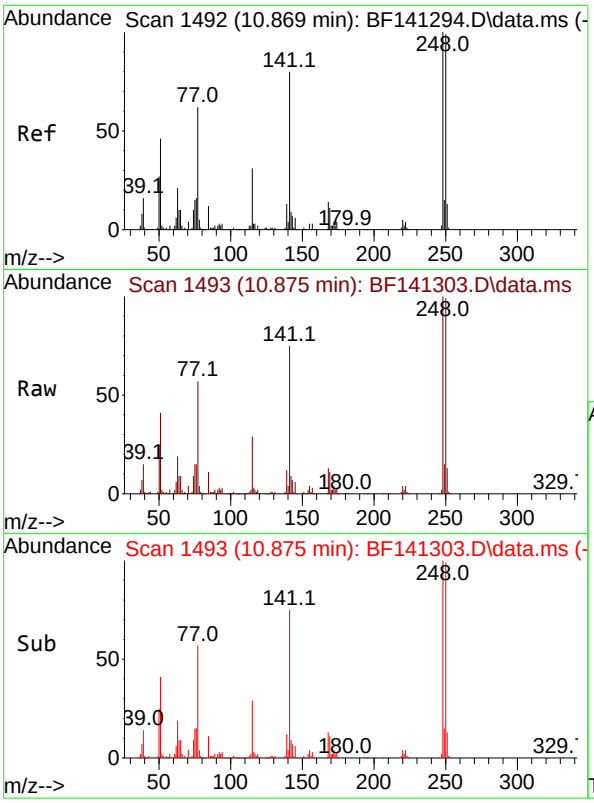


#66
n-Nitrosodiphenylamine
Concen: 46.003 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
PB166335BS

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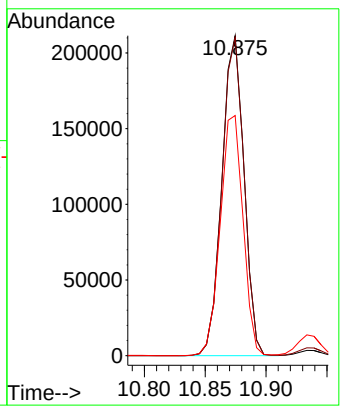
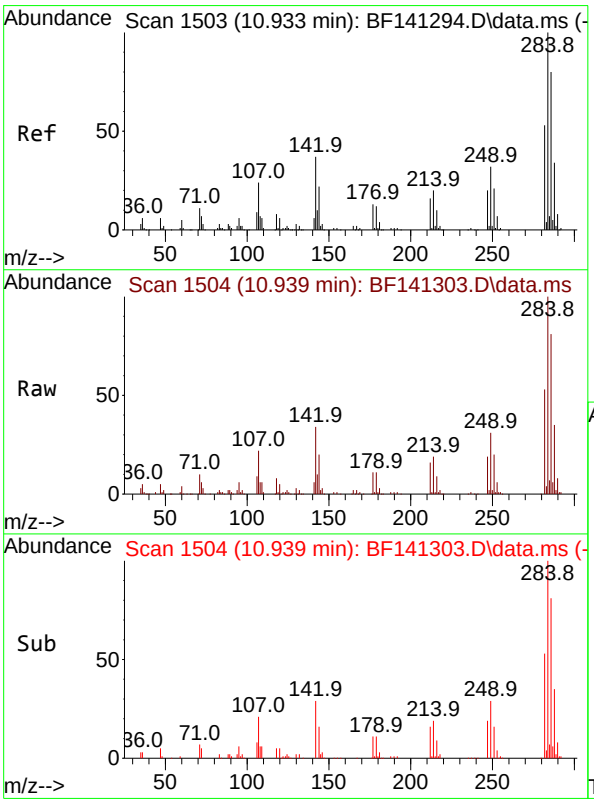
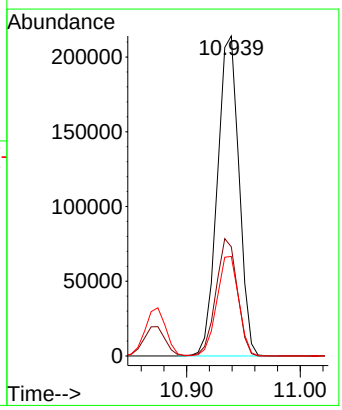


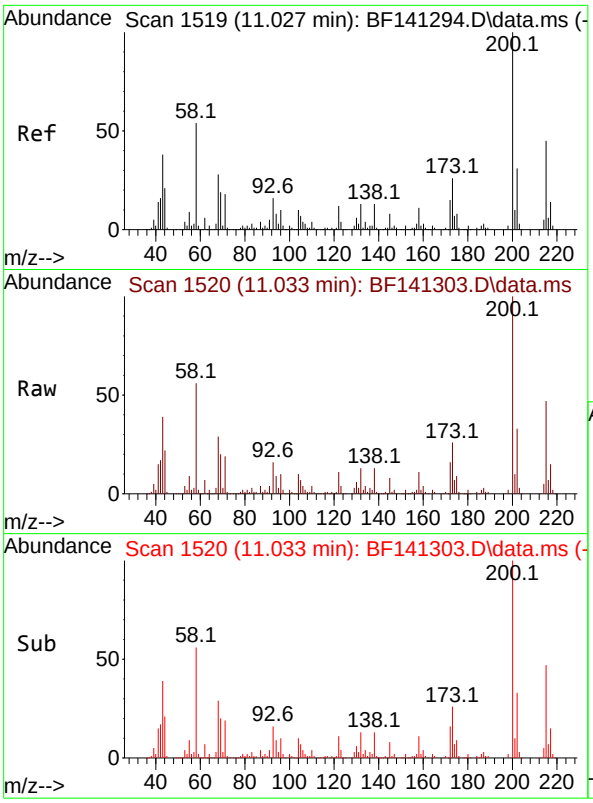


#68
Hexachlorobenzene
Concen: 45.293 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

Instrument :
BNA_F
ClientSampleId :
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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

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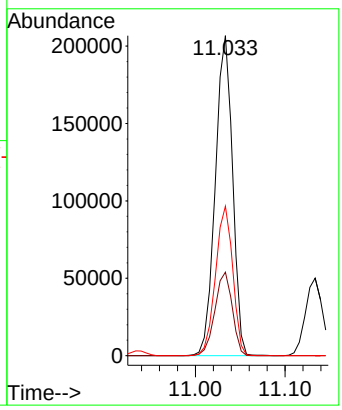
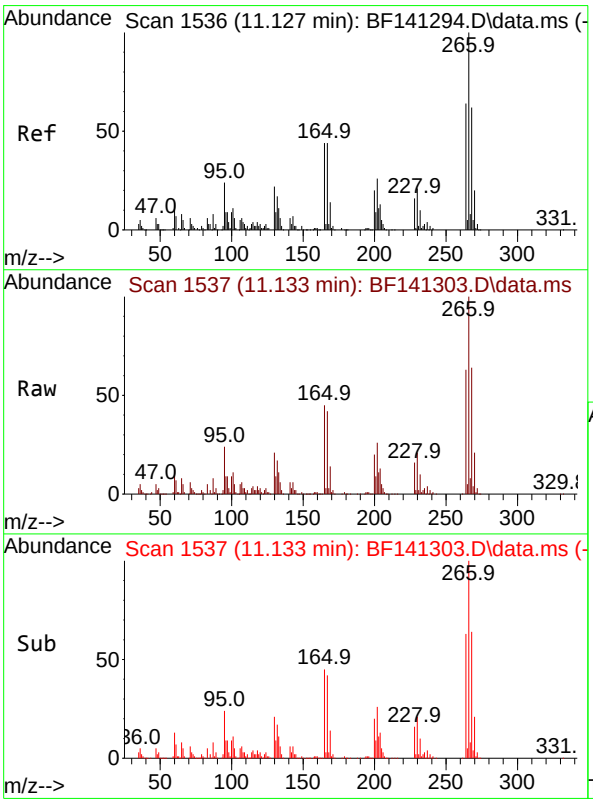
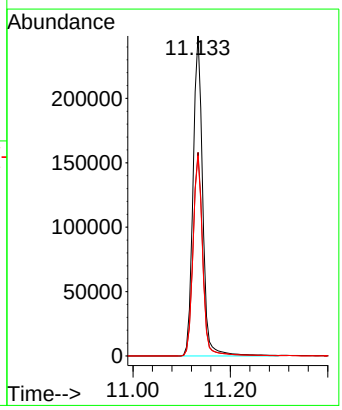


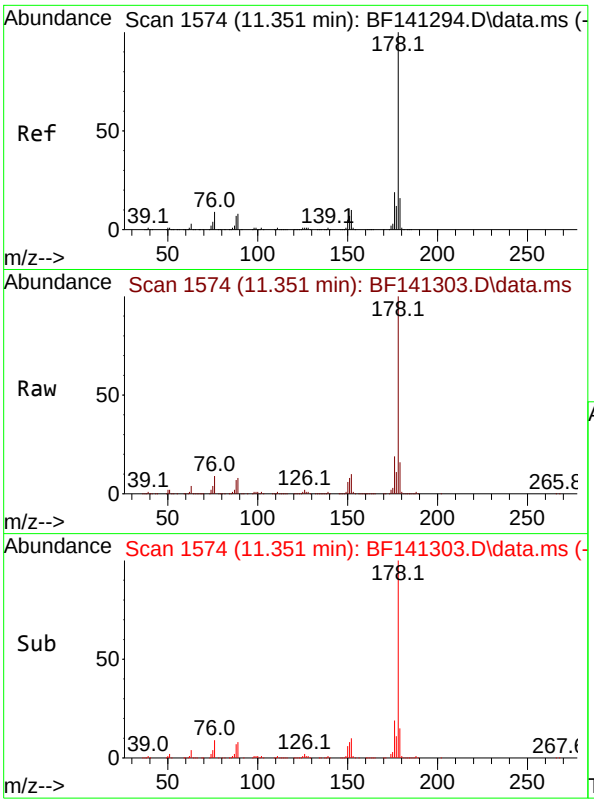


#70
Pentachlorophenol
Concen: 93.942 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

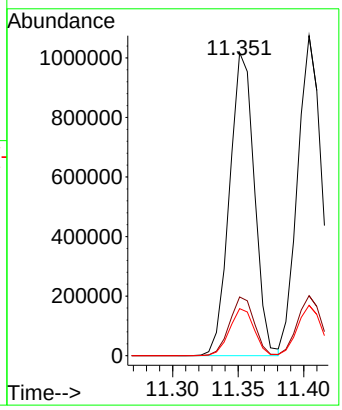




#71
Phenanthrene
Concen: 47.307 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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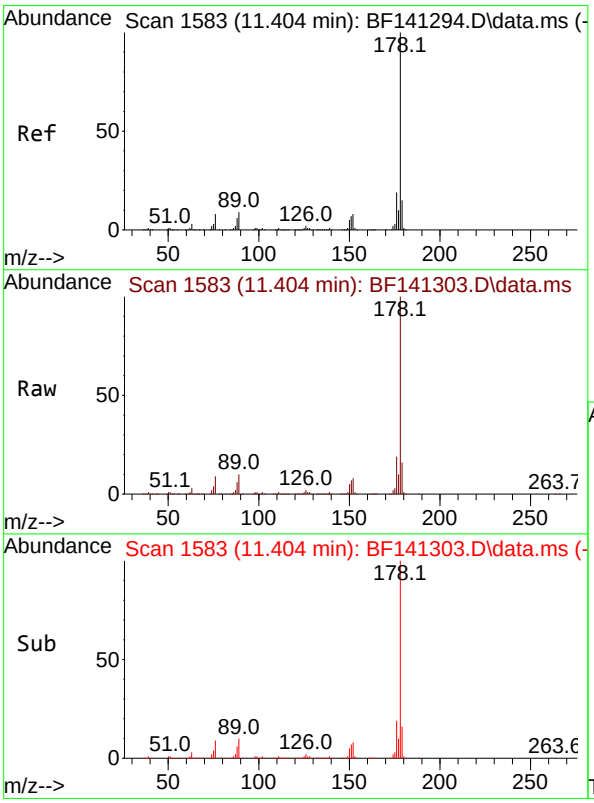
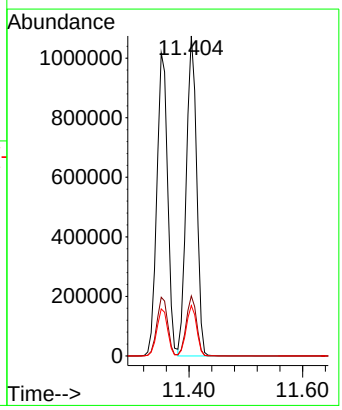
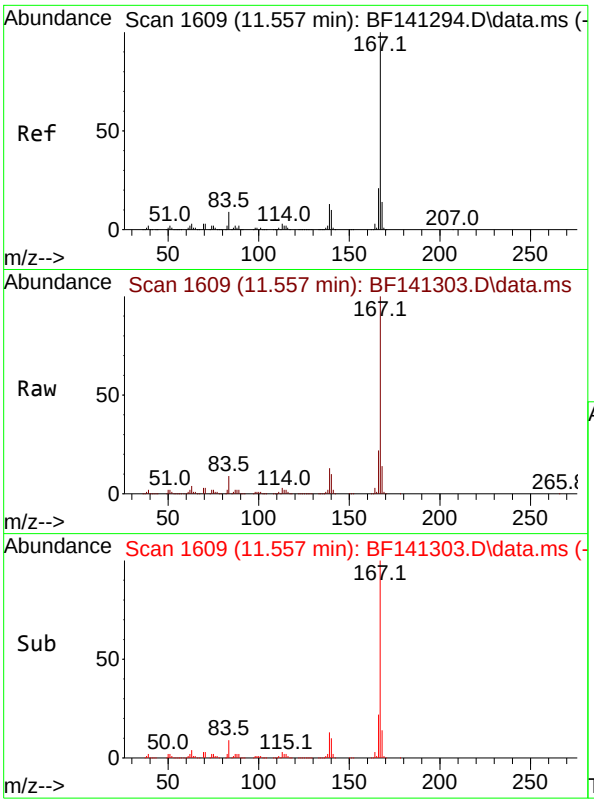


#72
Anthracene
Concen: 48.866 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

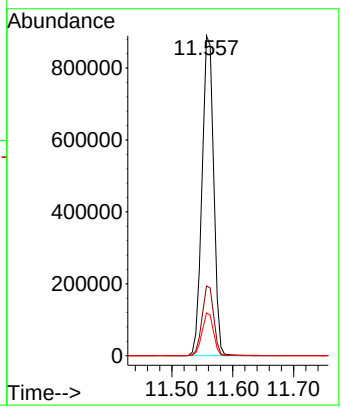




#73
Carbazole
Concen: 47.979 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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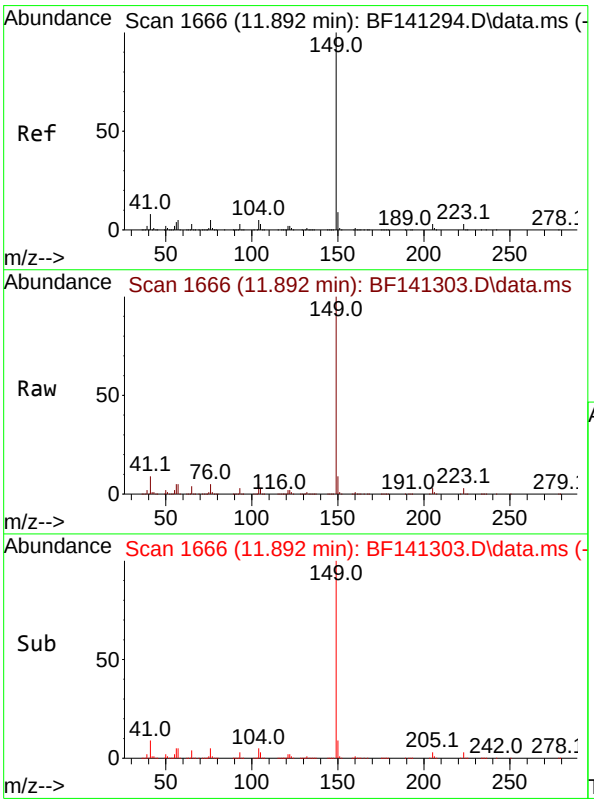
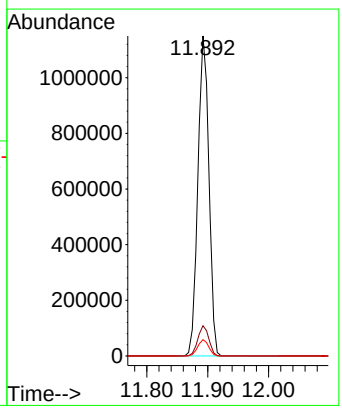
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

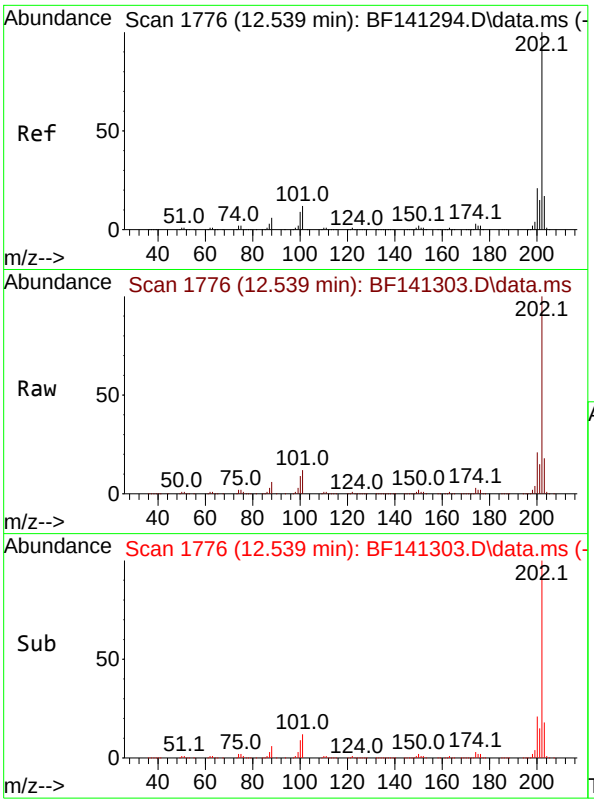


#74
Di-n-butylphthalate
Concen: 48.248 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

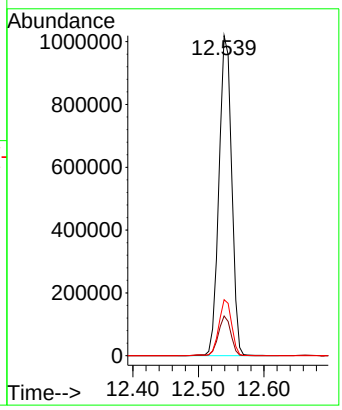




#75
Fluoranthene
Concen: 48.639 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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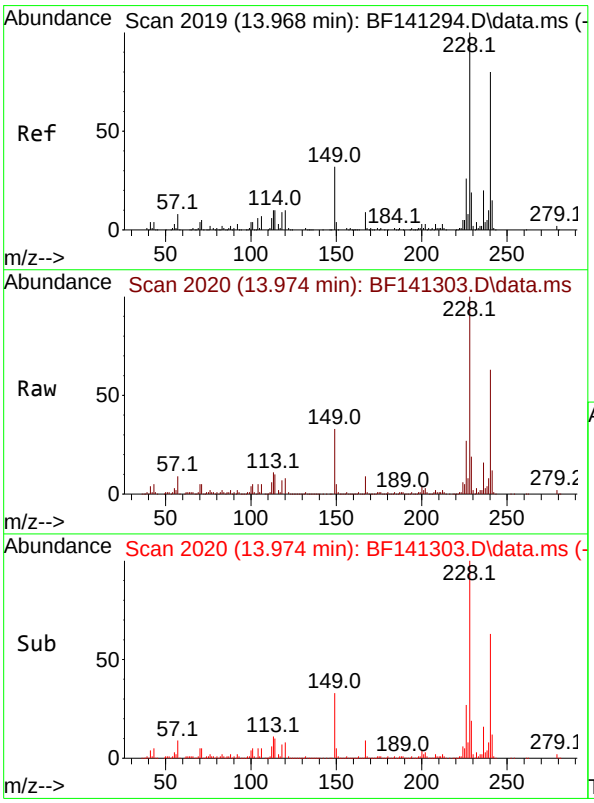
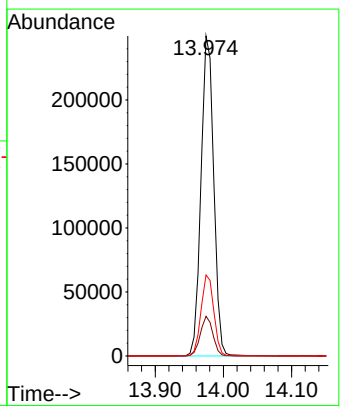
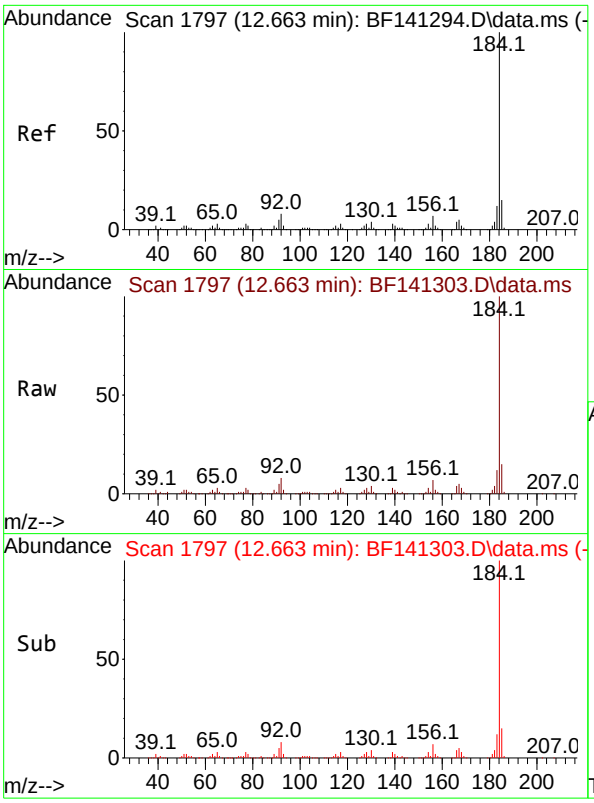


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

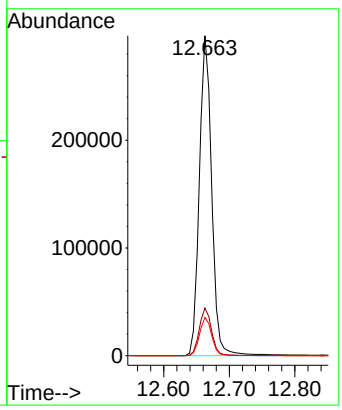




#77
Benzidine
Concen: 37.427 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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



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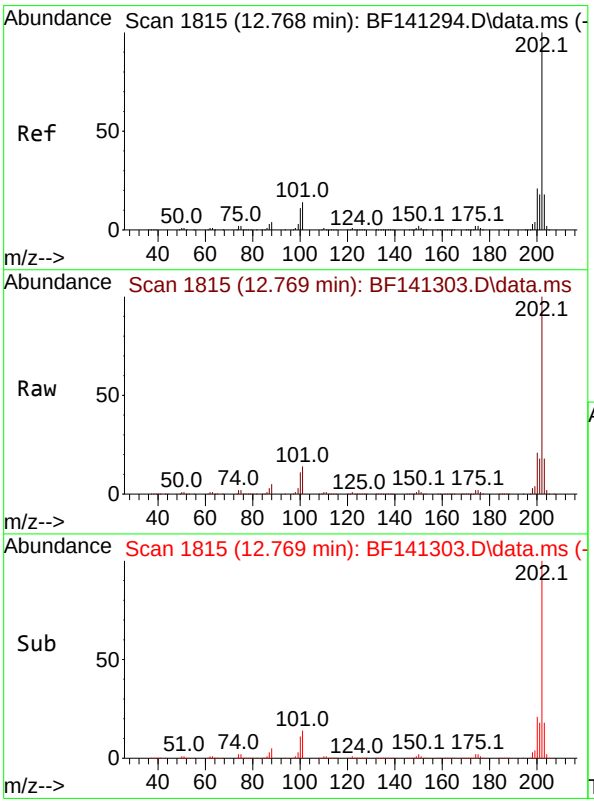
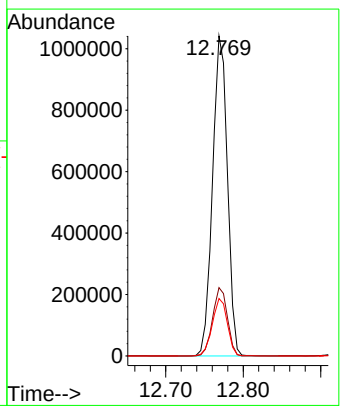
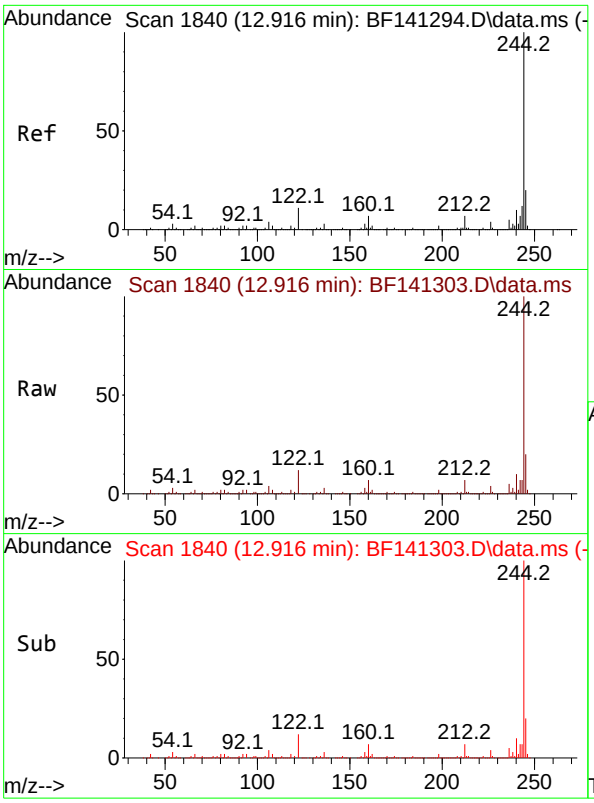


#78
Pyrene
Concen: 44.402 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

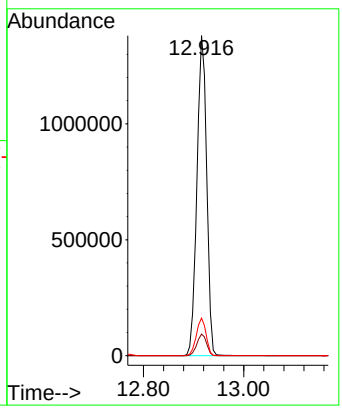




#79
Terphenyl-d14
Concen: 88.161 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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ClientSampleId :
PB166335BS

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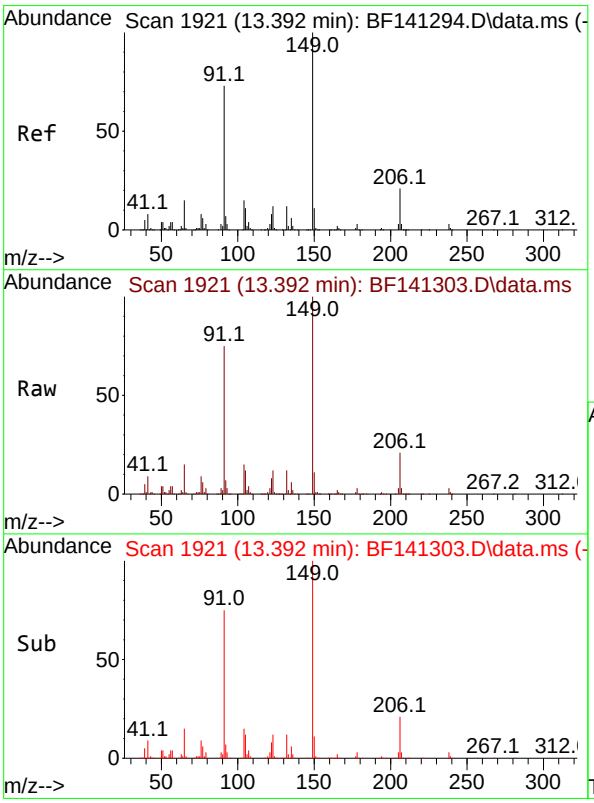
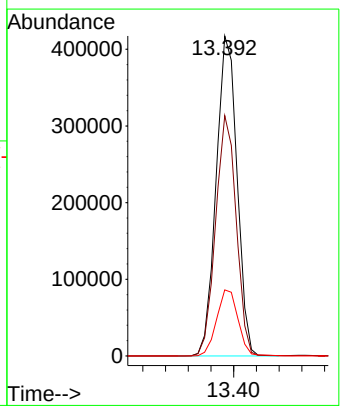
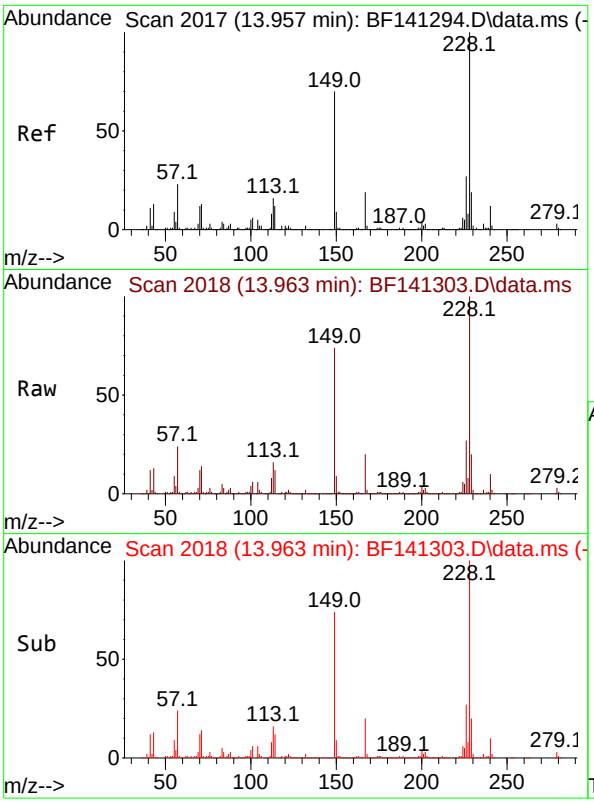


#80
Butylbenzylphthalate
Concen: 48.924 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

Instrument :
BNA_F
ClientSampleId :
PB166335BS

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

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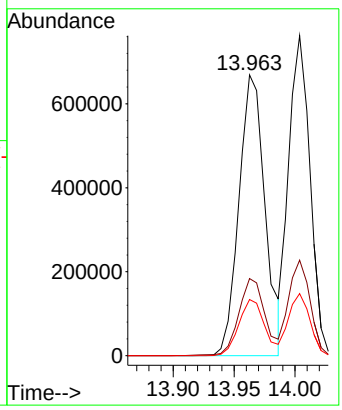
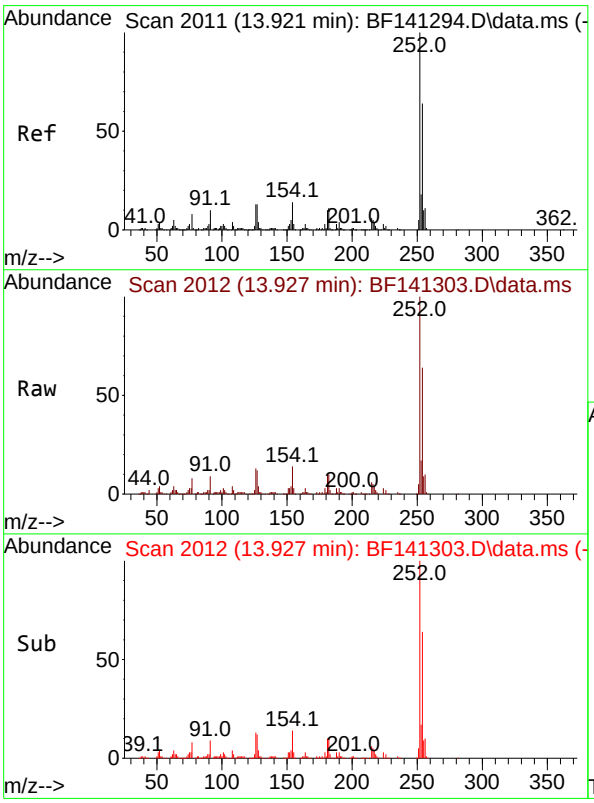
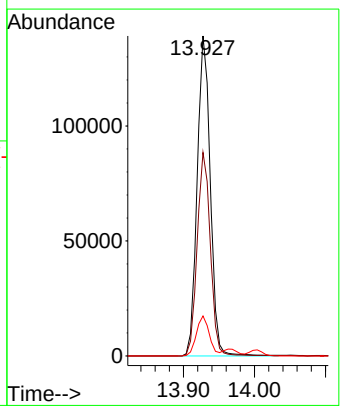


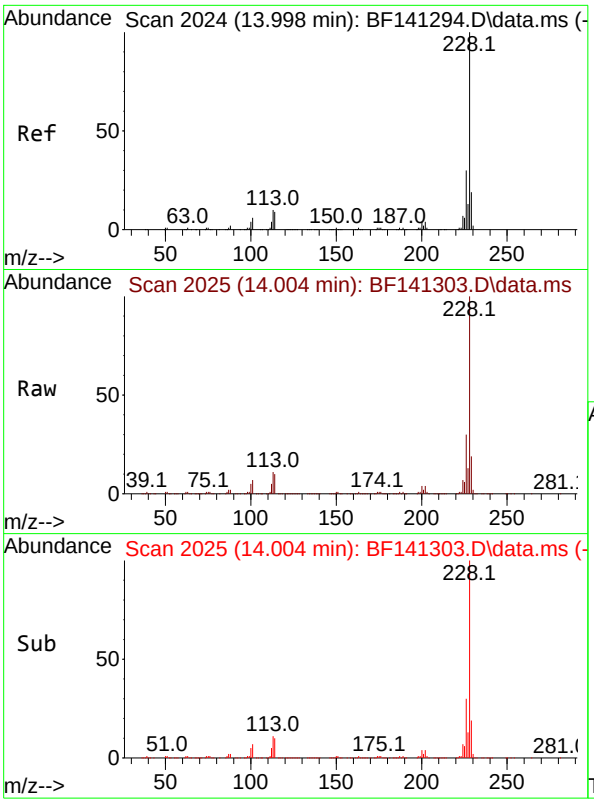


#82
3,3'-Dichlorobenzidine
Concen: 25.107 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

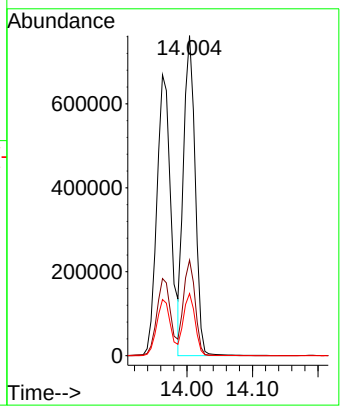




#83
Chrysene
Concen: 45.556 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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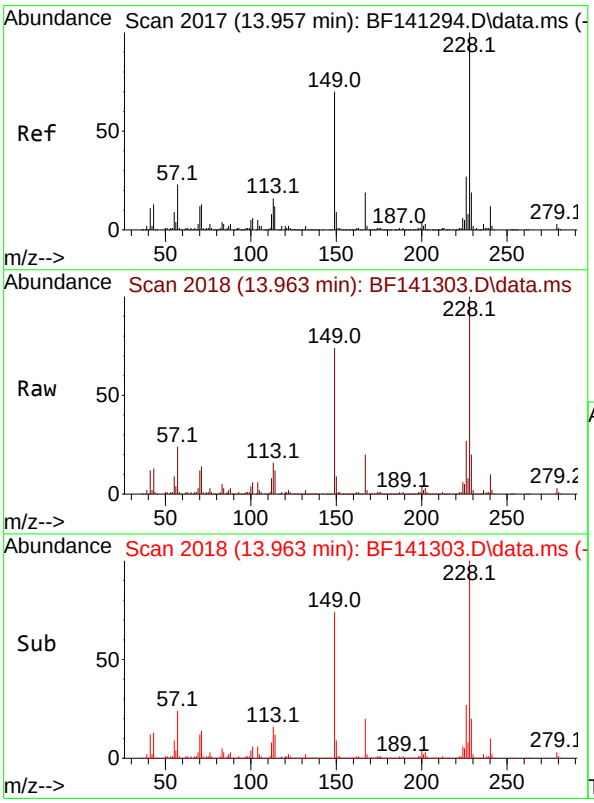
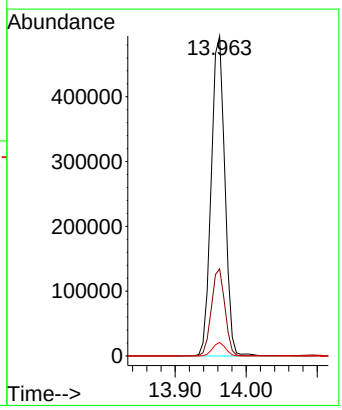
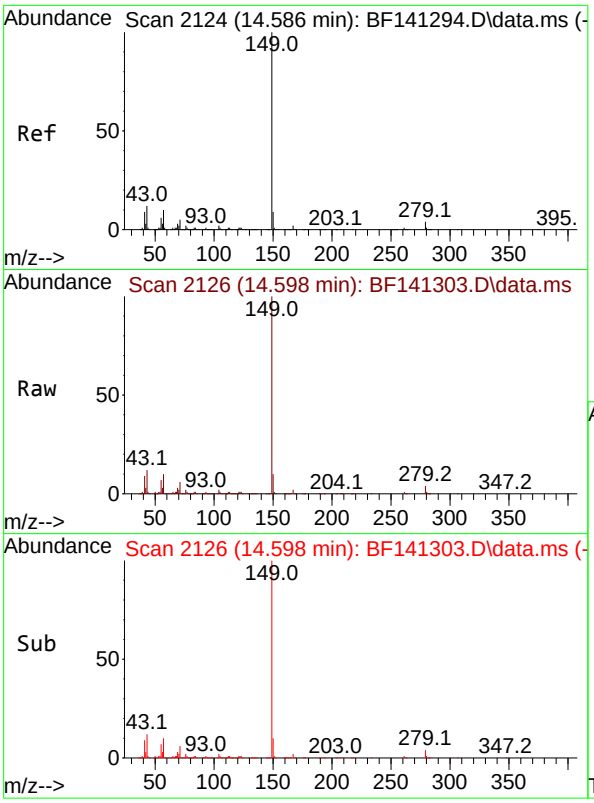


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.608 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
BNA_F
ClientSampleId :
PB166335BS

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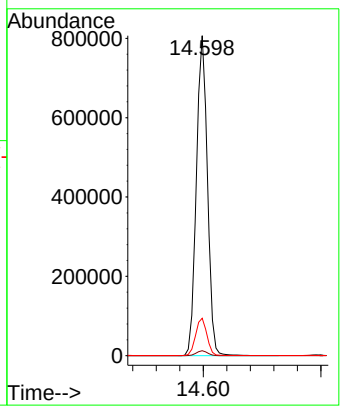
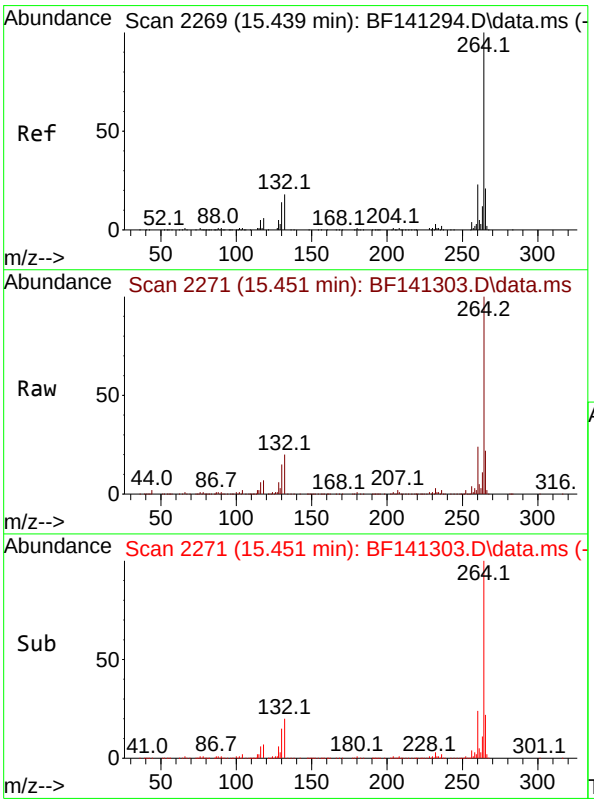
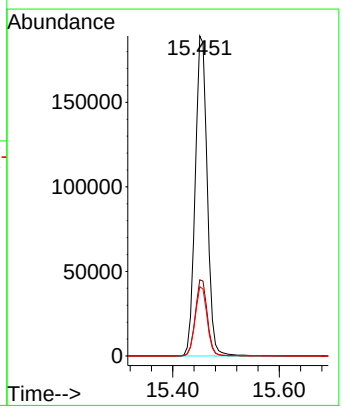


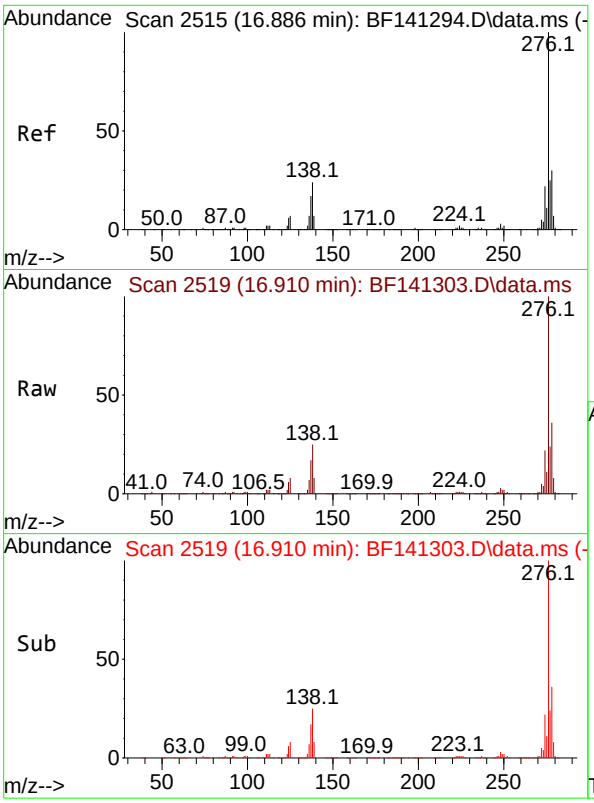


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

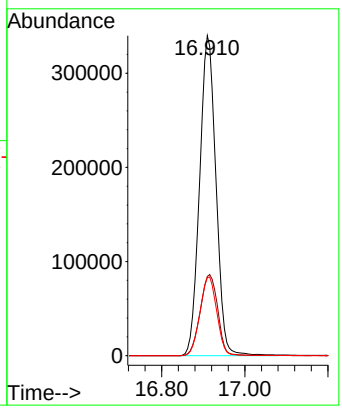




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.747 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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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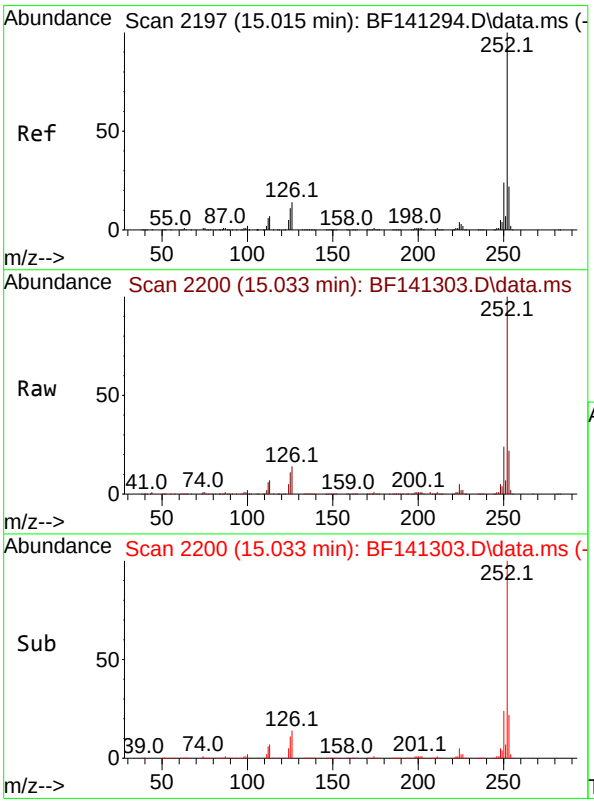
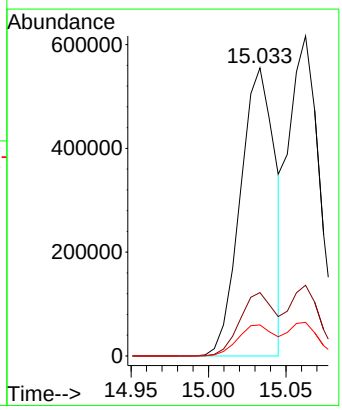
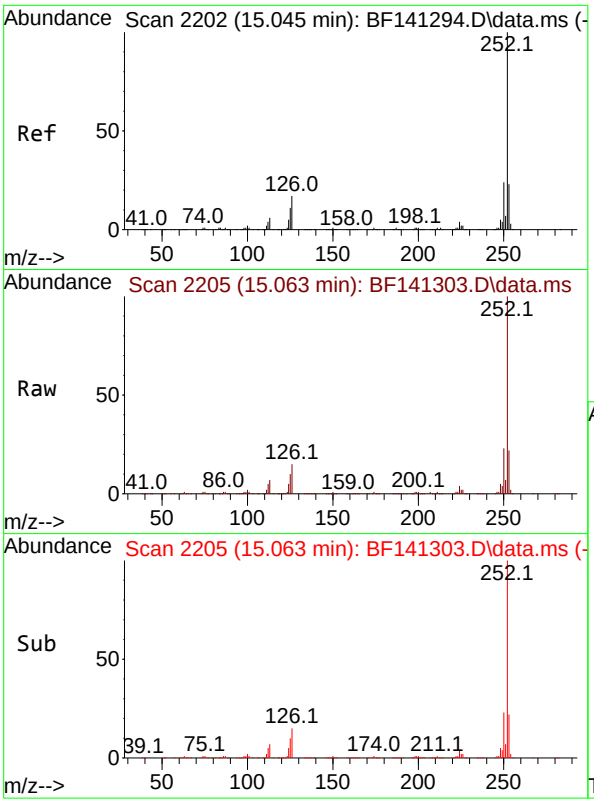


#88
Benzo(b)fluoranthene
Concen: 46.618 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

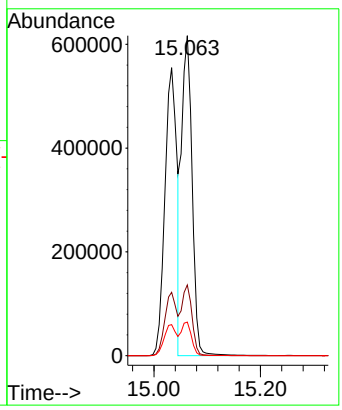




#89
Benzo(k)fluoranthene
Concen: 51.164 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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 :
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ClientSampleId :
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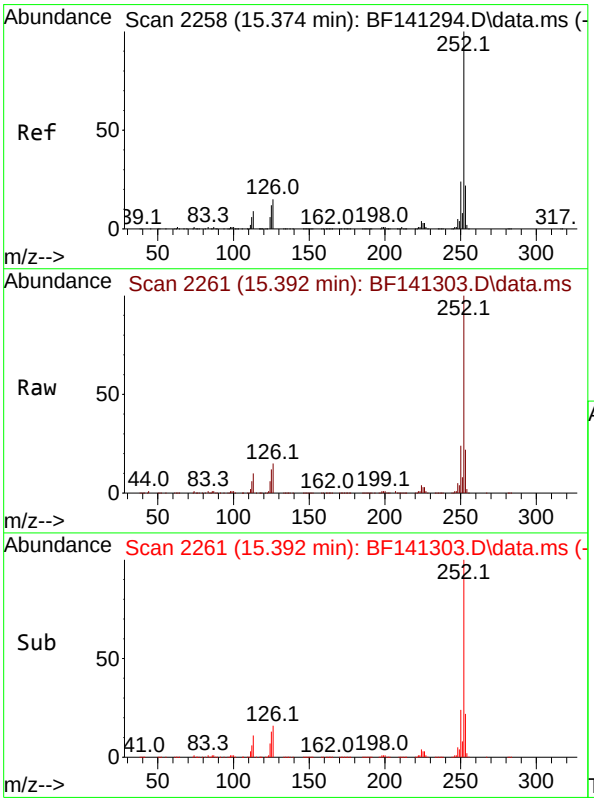
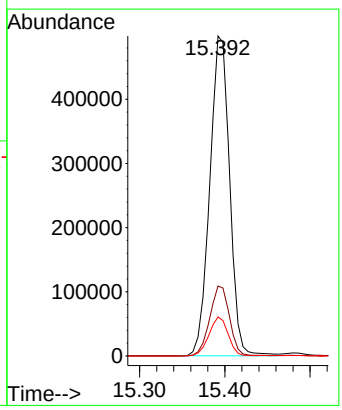
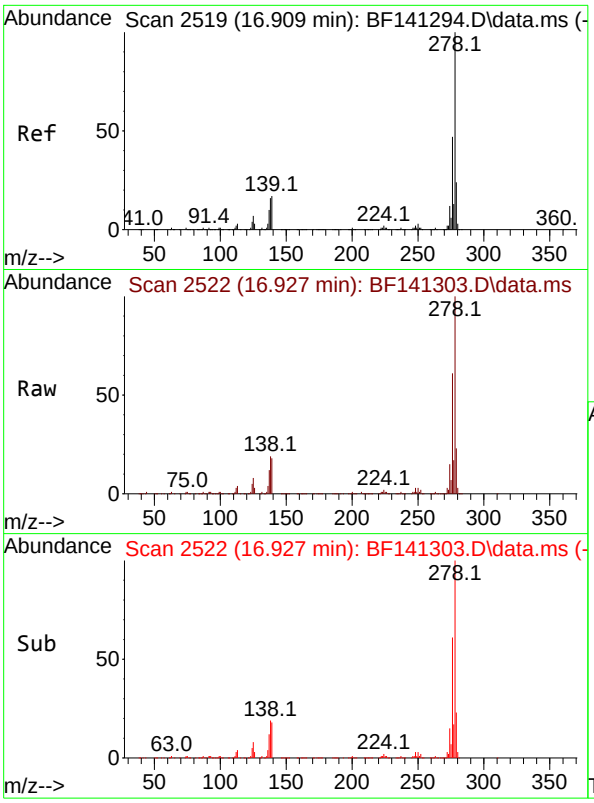


#90
Benzo(a)pyrene
Concen: 51.366 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

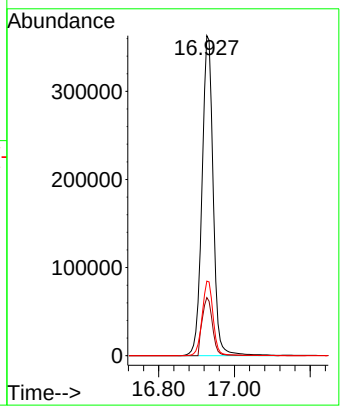




#91
Dibenzo(a,h)anthracene
Concen: 48.629 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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

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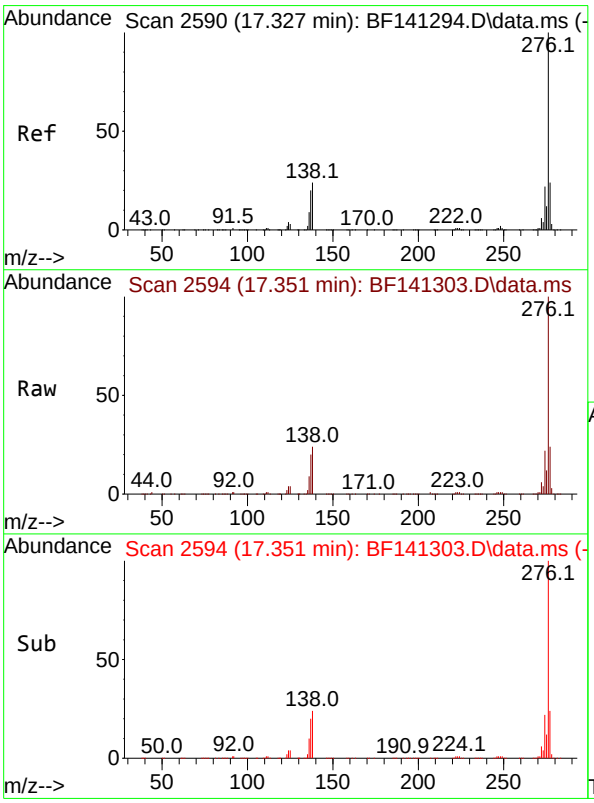
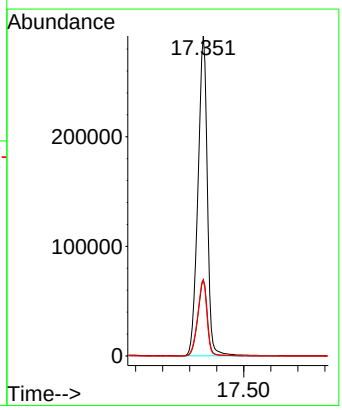


#92
Benzo(g,h,i)perylene
Concen: 44.287 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

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



Raw Data: **BF141315.D**

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.:	Q1206
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

Raw Data: **BF141315.D**

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.:	Q1206
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

Raw Data: **BF141315.D**

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.:	Q1206
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

Sample Results: **BF141315.D**

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

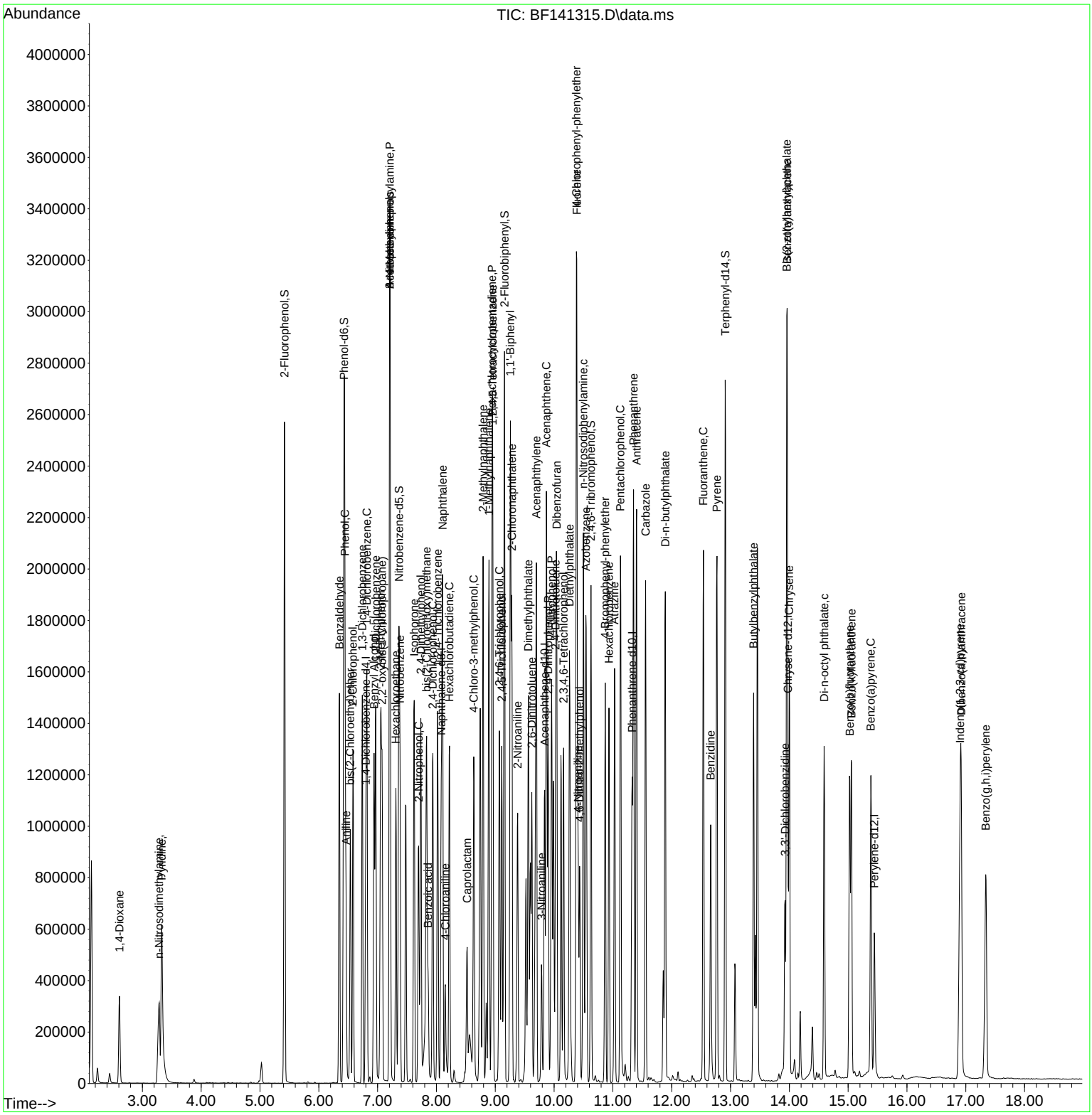
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141315.D
Acq On : 30 Jan 2025 16:03
Operator : RC/JU
Sample : Q1209-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

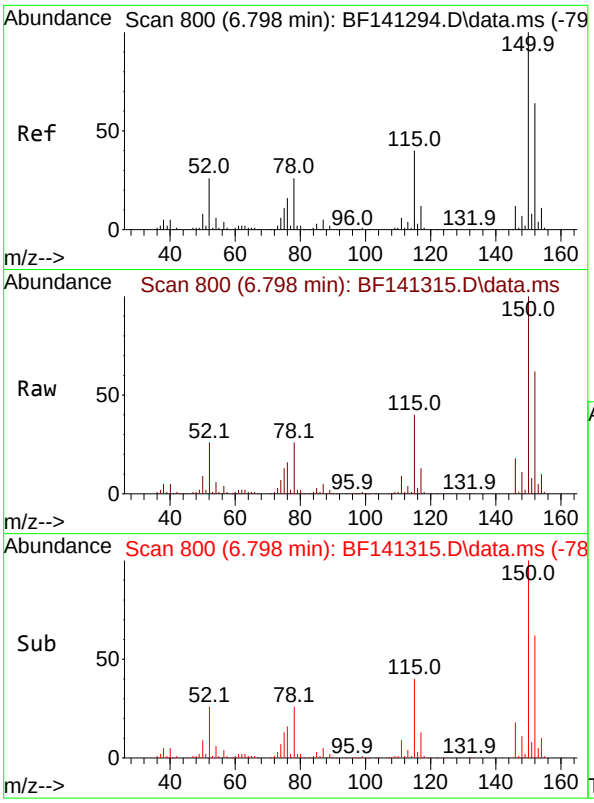
Quant Time: Jan 30 16:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

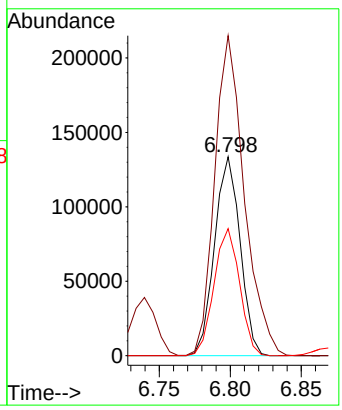




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:152 Resp: 16707

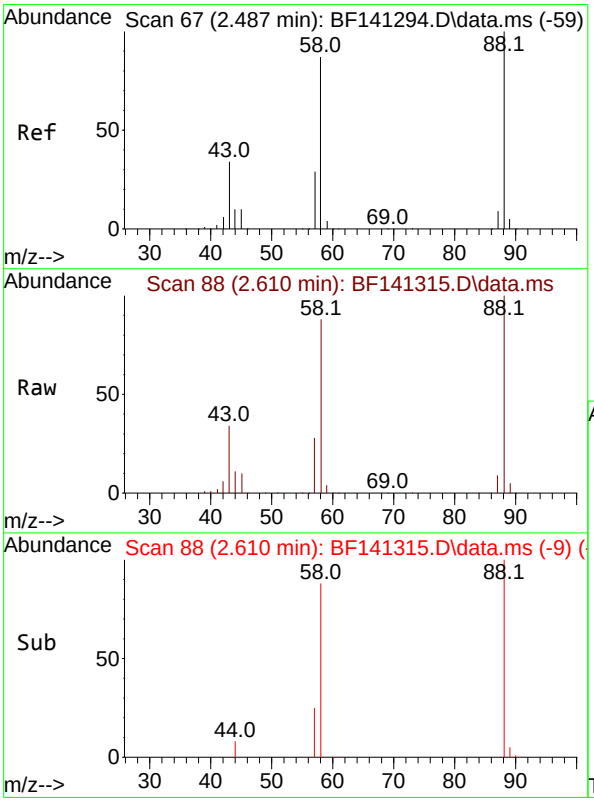
Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.9	188.9
115	63.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations
APPROVED

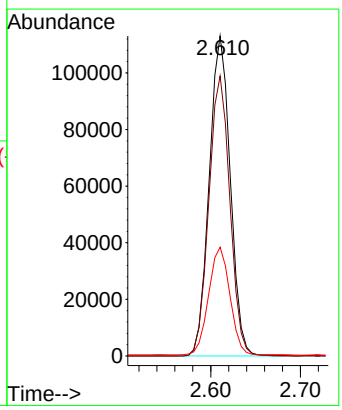
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

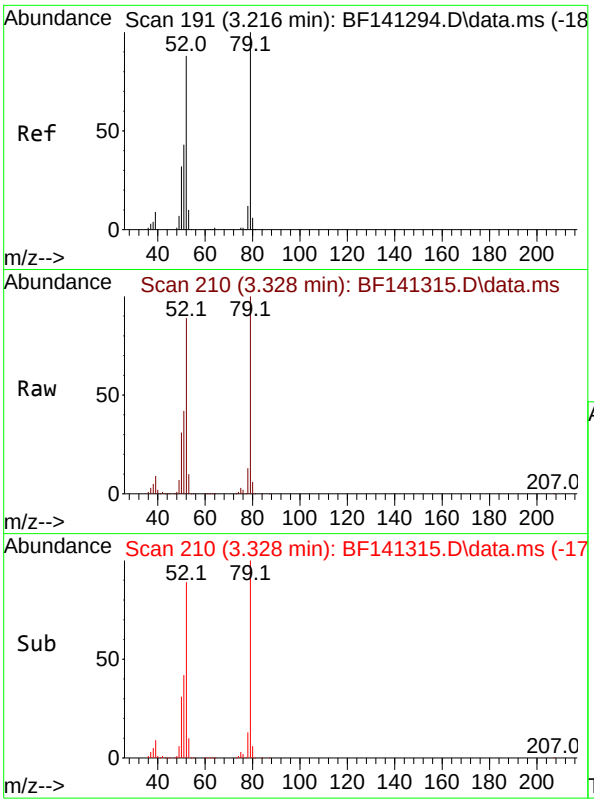


#2
1,4-Dioxane
Concen: 38.384 ng
RT: 2.610 min Scan# 88
Delta R.T. 0.118 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

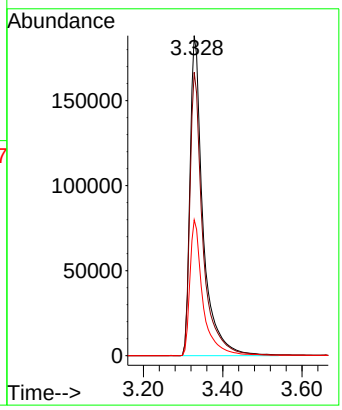




#3
Pyridine
Concen: 37.243 ng
RT: 3.328 min Scan# 21
Delta R.T. 0.100 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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



Instrument :
BNA_F
ClientSampleId :
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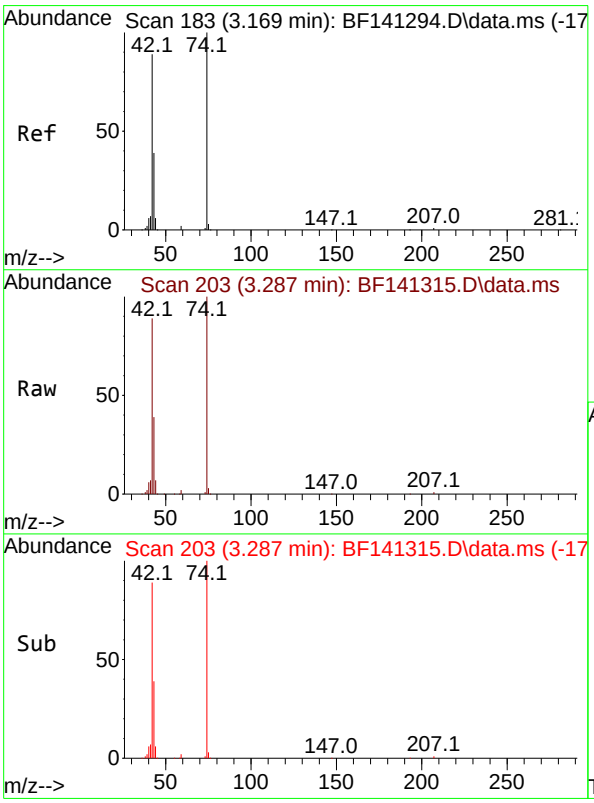
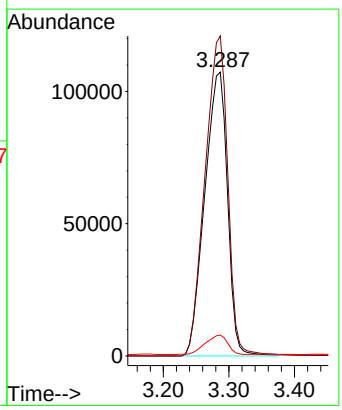
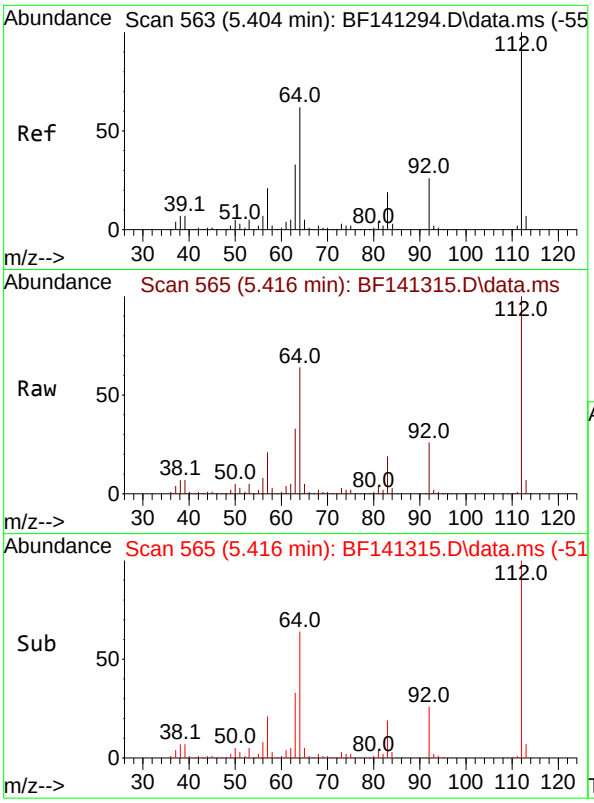


#4
n-Nitrosodimethylamine
Concen: 39.289 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.088 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

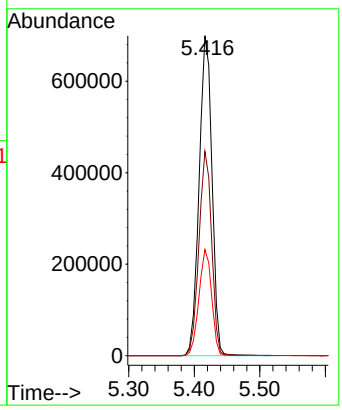




#5
2-Fluorophenol
Concen: 88.114 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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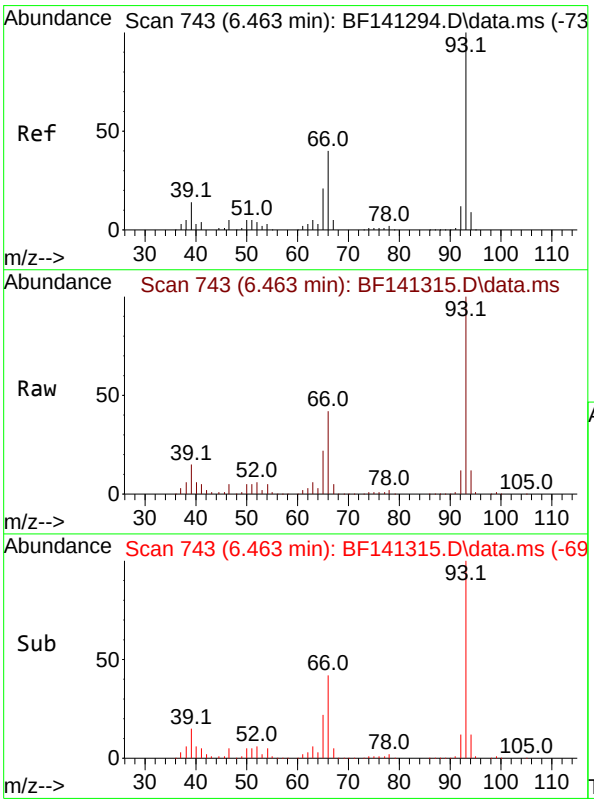
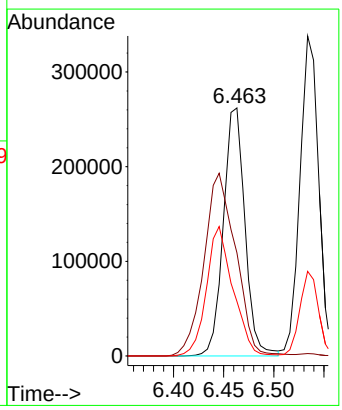
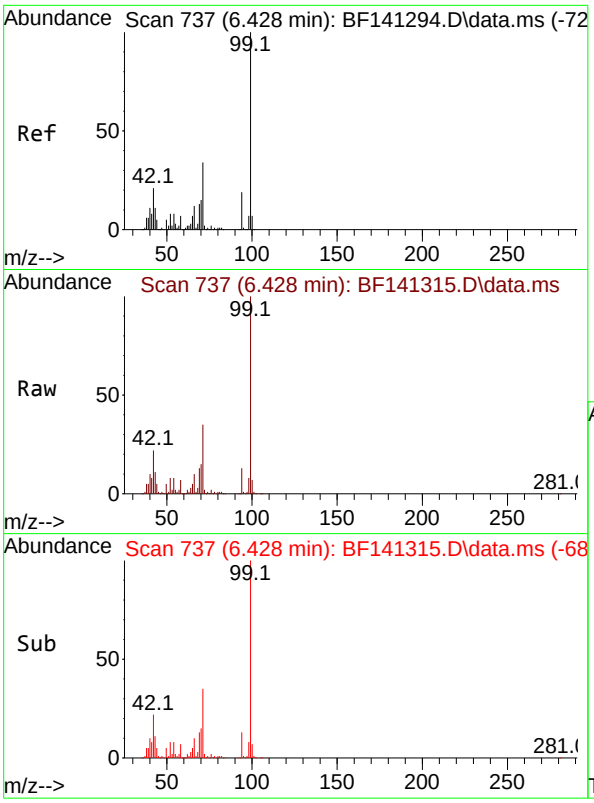


#6
Aniline
Concen: 33.523 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

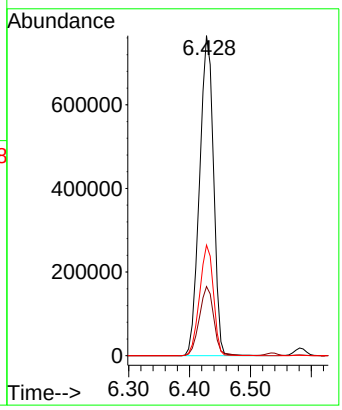




#7
Phenol-d6
Concen: 88.351 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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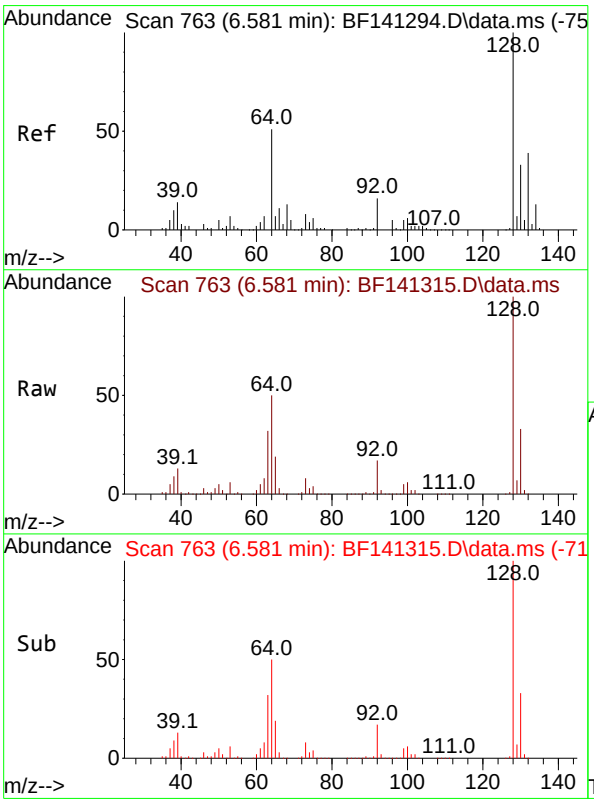
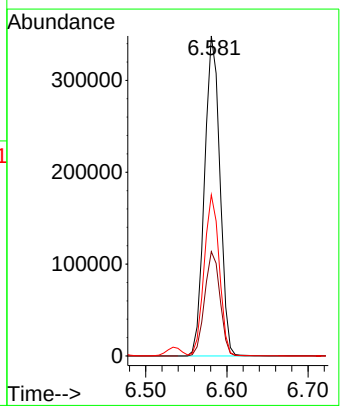
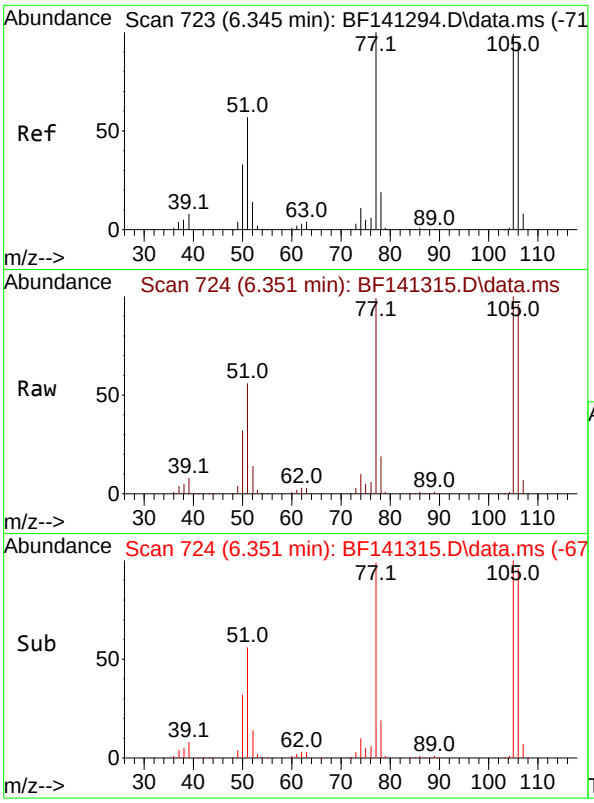


#8
2-Chlorophenol
Concen: 39.233 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

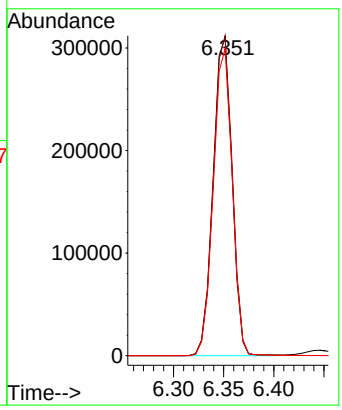




#9
Benzaldehyde
Concen: 50.876 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
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ClientSampleId :
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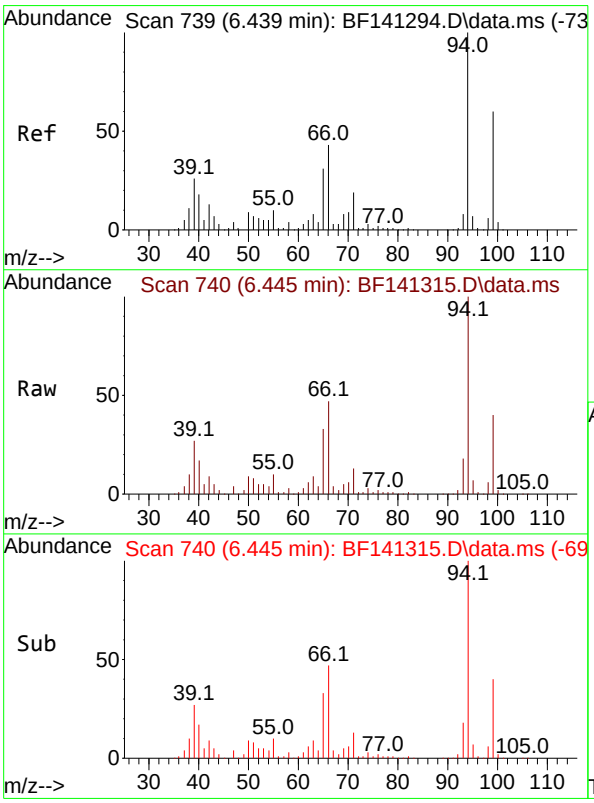
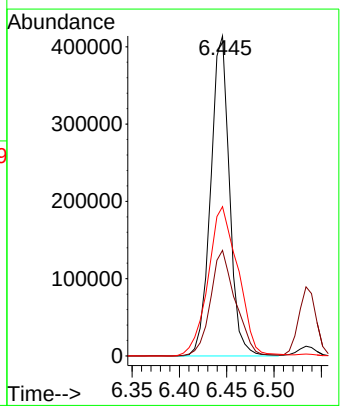
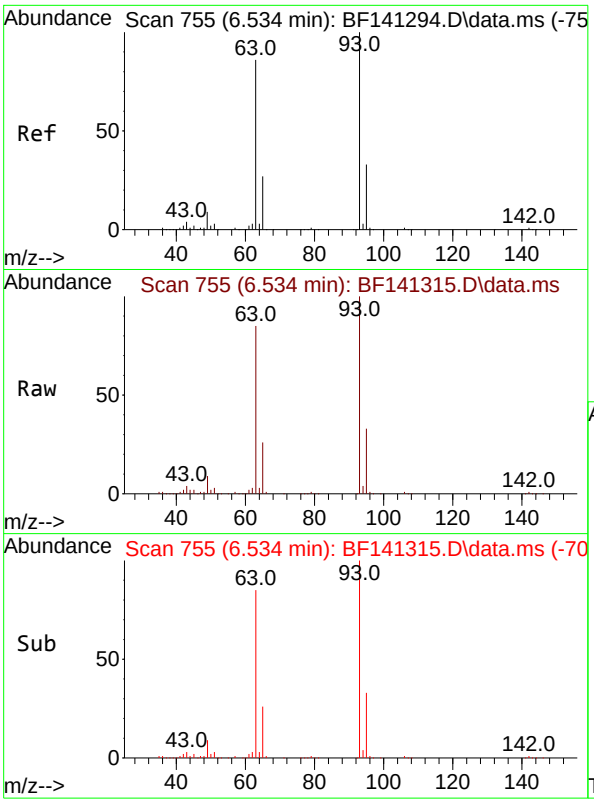


#10
Phenol
Concen: 38.988 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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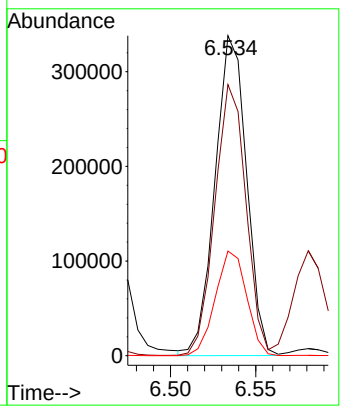
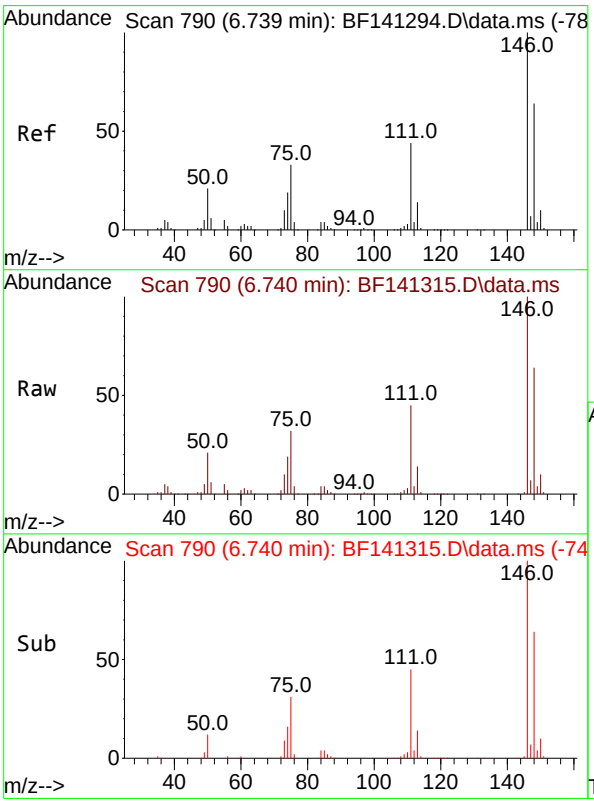
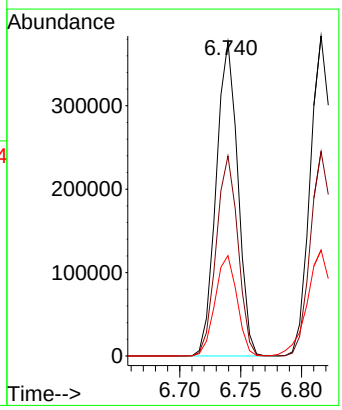


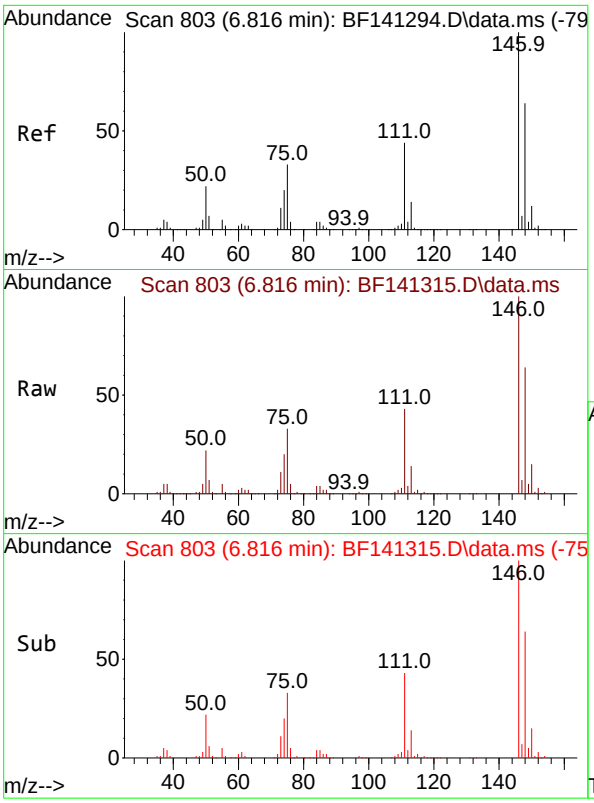


#12
1,3-Dichlorobenzene
Concen: 36.310 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

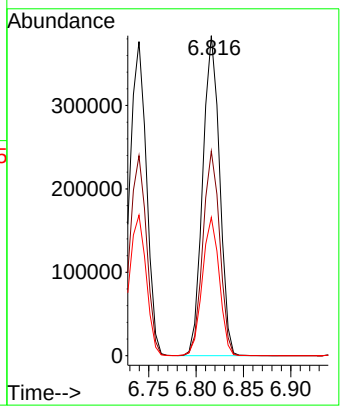




#13
1,4-Dichlorobenzene
Concen: 36.802 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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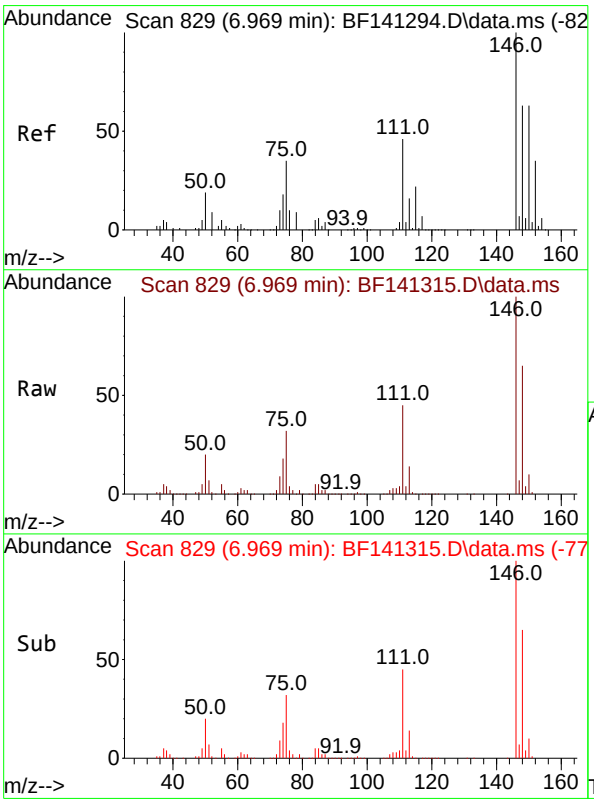
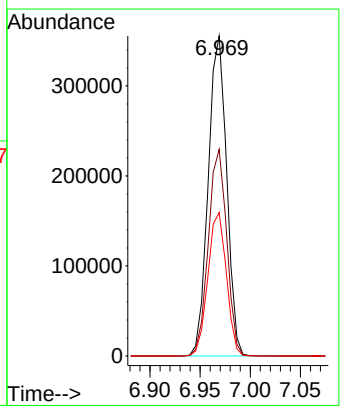
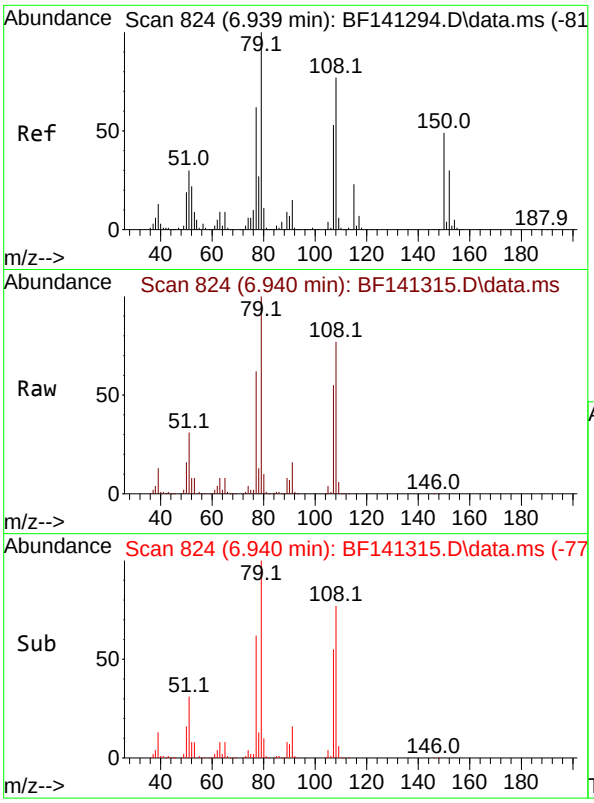


#14
1,2-Dichlorobenzene
Concen: 37.628 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
BNA_F
ClientSampleId :
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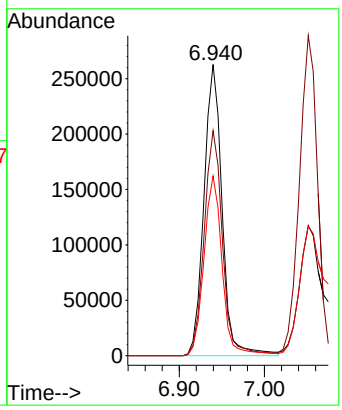
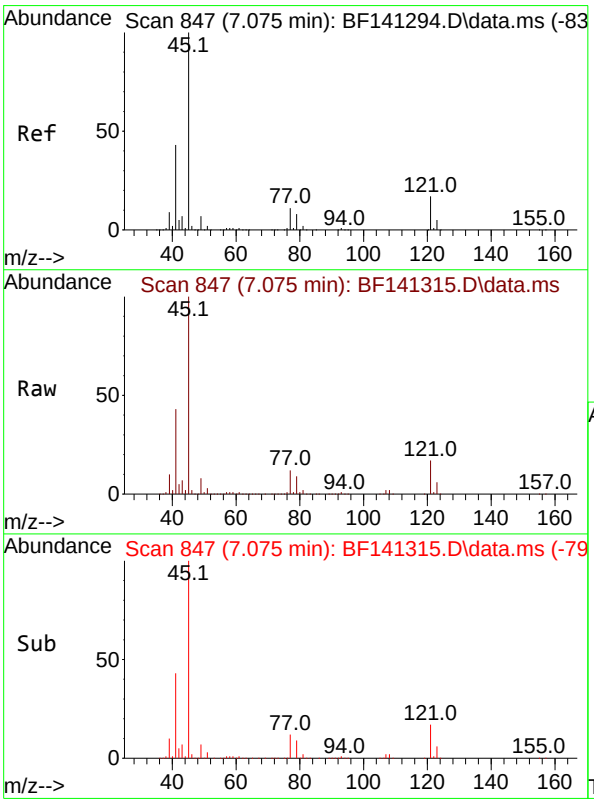
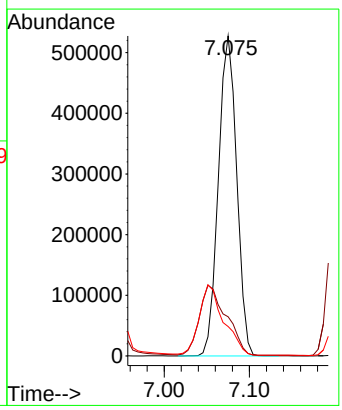


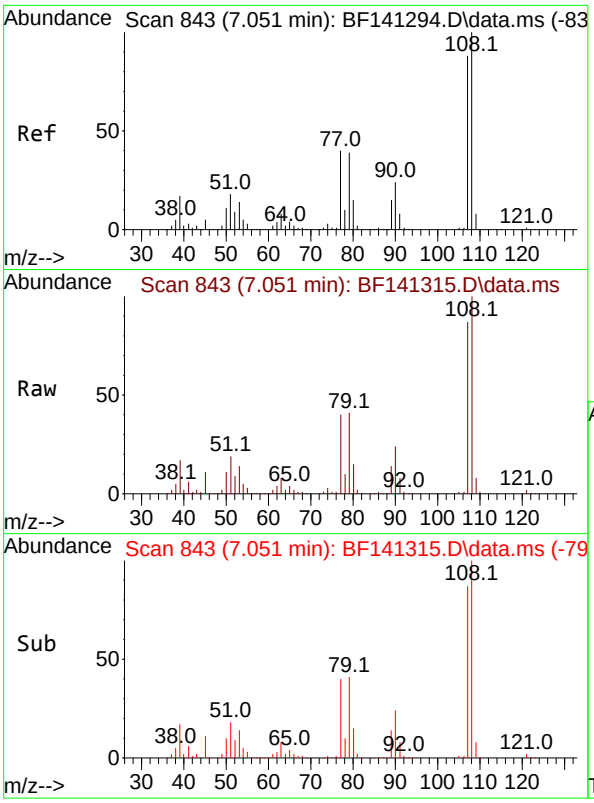


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.328 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

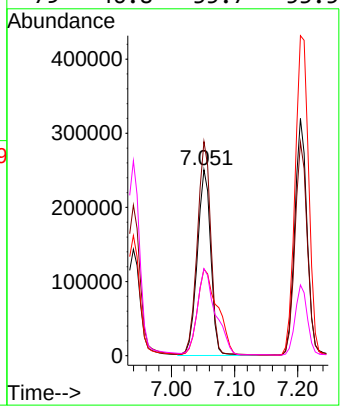




#17
2-Methylphenol
Concen: 39.424 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
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ClientSampleId :
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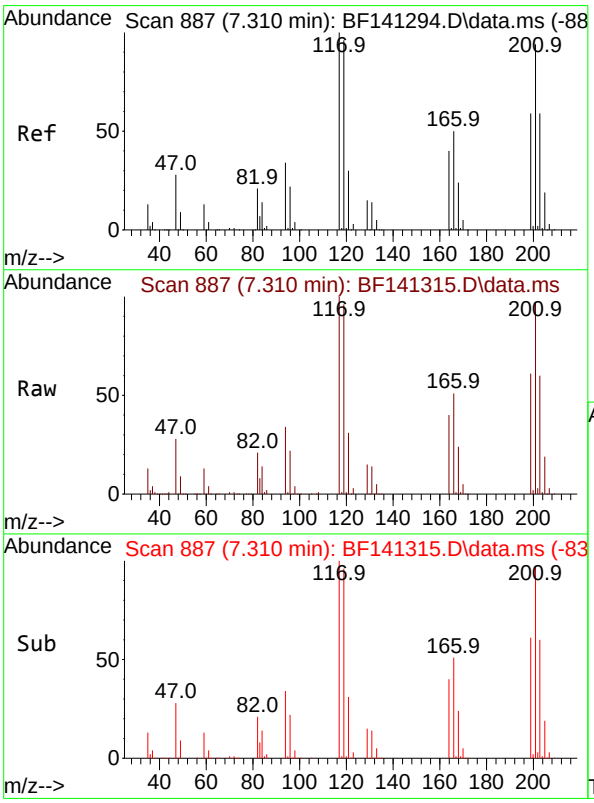
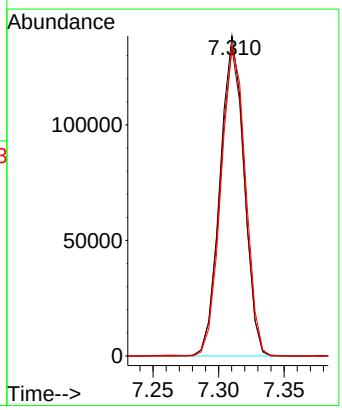
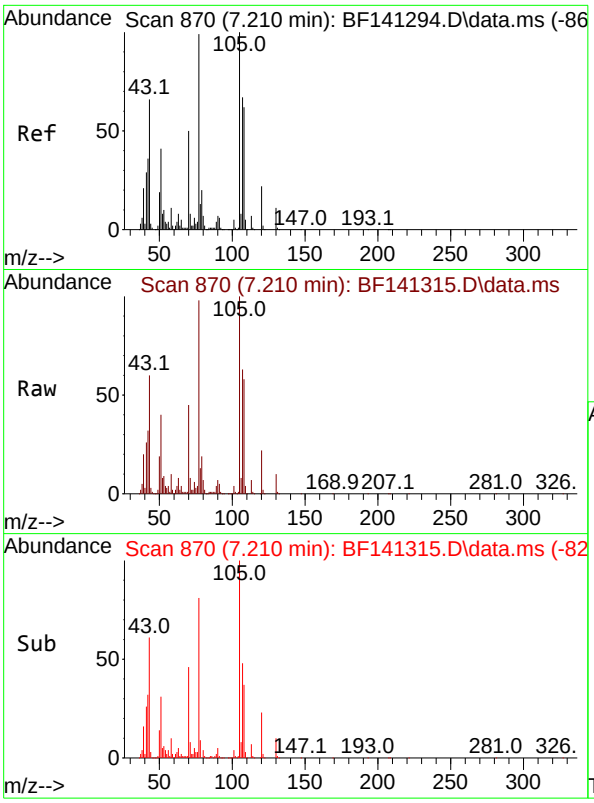


#18
Hexachloroethane
Concen: 37.051 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

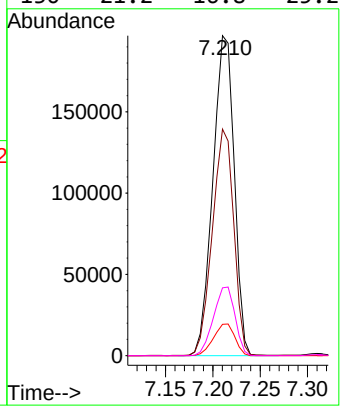




#19
n-Nitroso-di-n-propylamine
Concen: 37.662 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
BNA_F
ClientSampleId :
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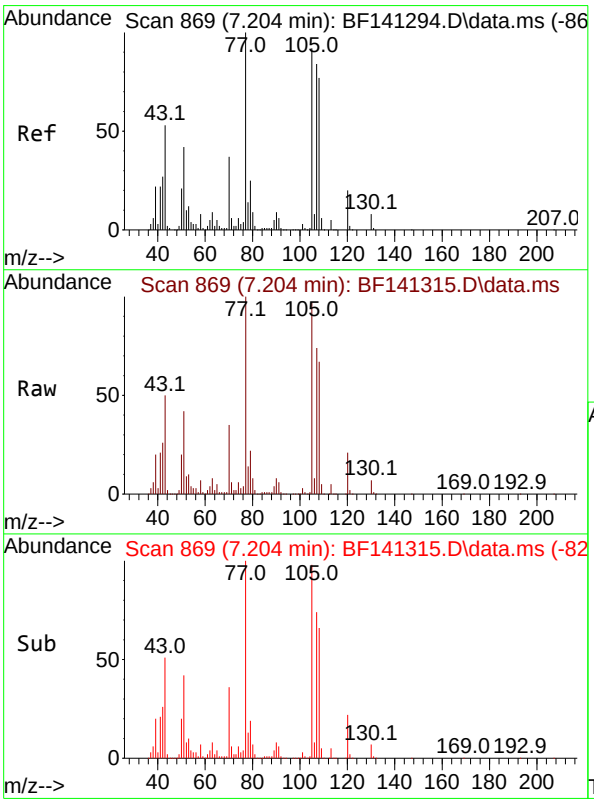
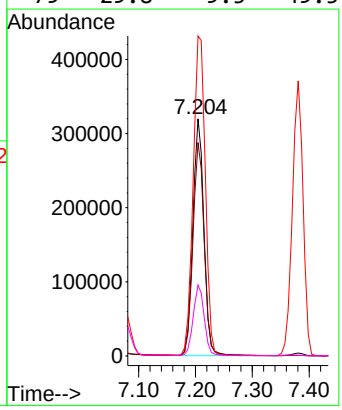
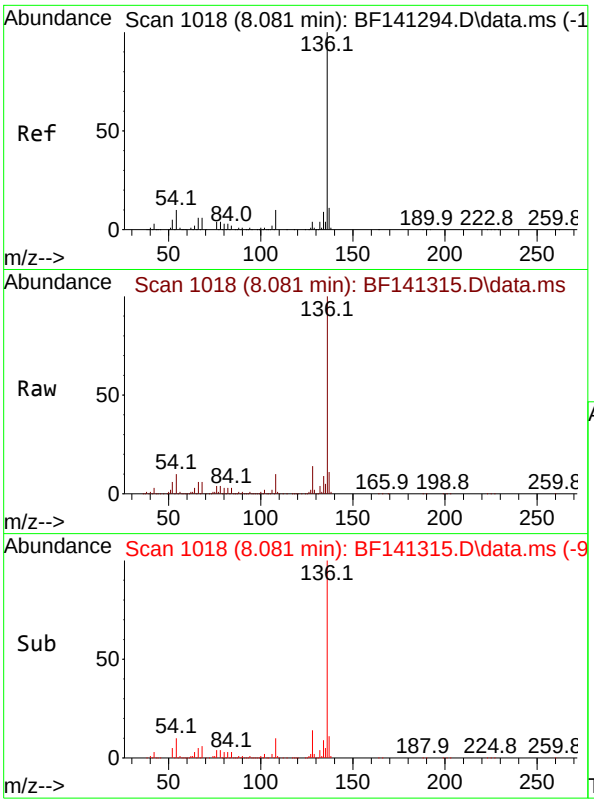


#20
3+4-Methylphenols
Concen: 37.321 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

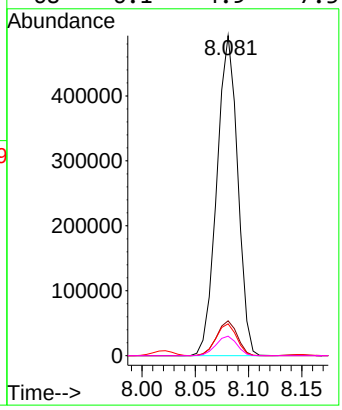




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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



Instrument :
BNA_F
ClientSampleId :
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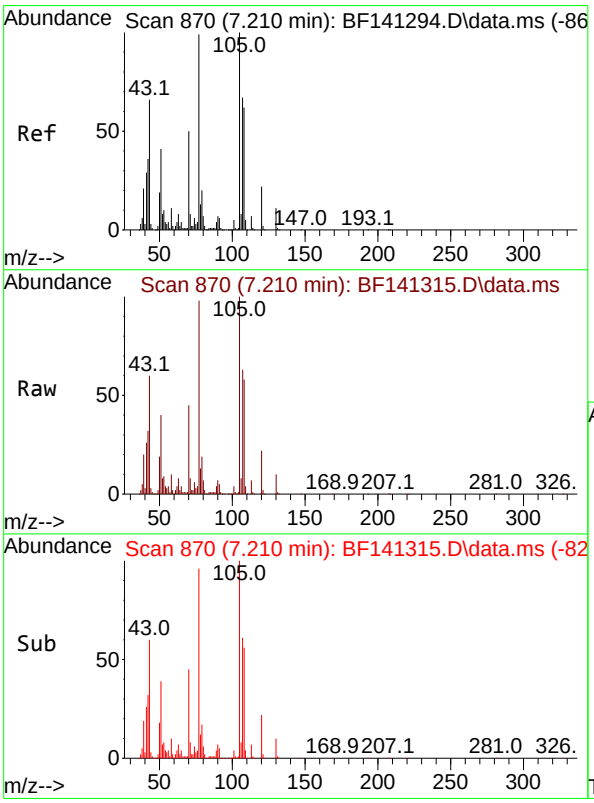
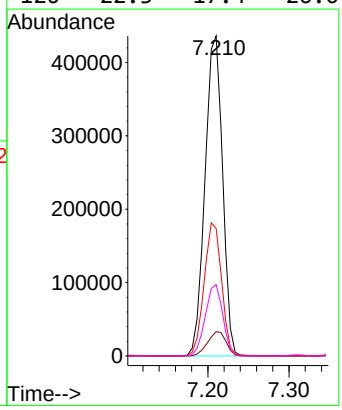
Supervised By :mohammad ahmed 01/31/2025

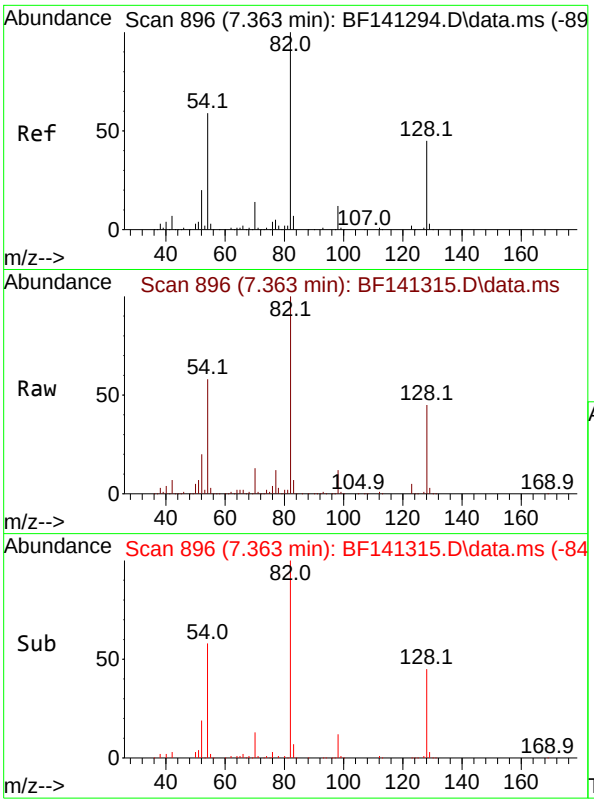


#22
Acetophenone
Concen: 41.086 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Instrument :
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ClientSampleId :
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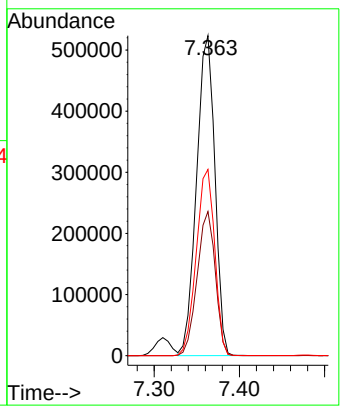
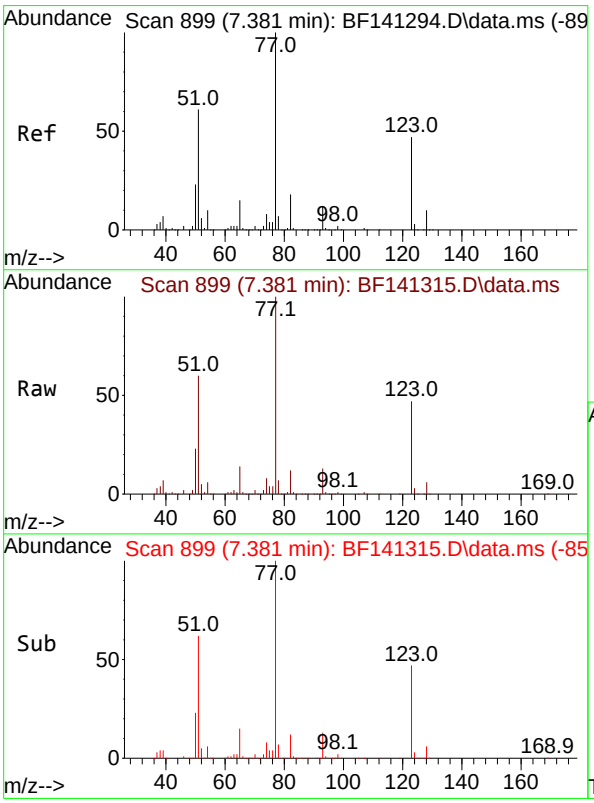
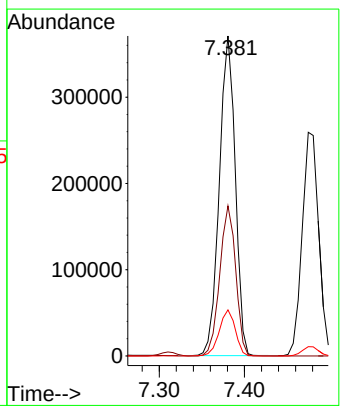


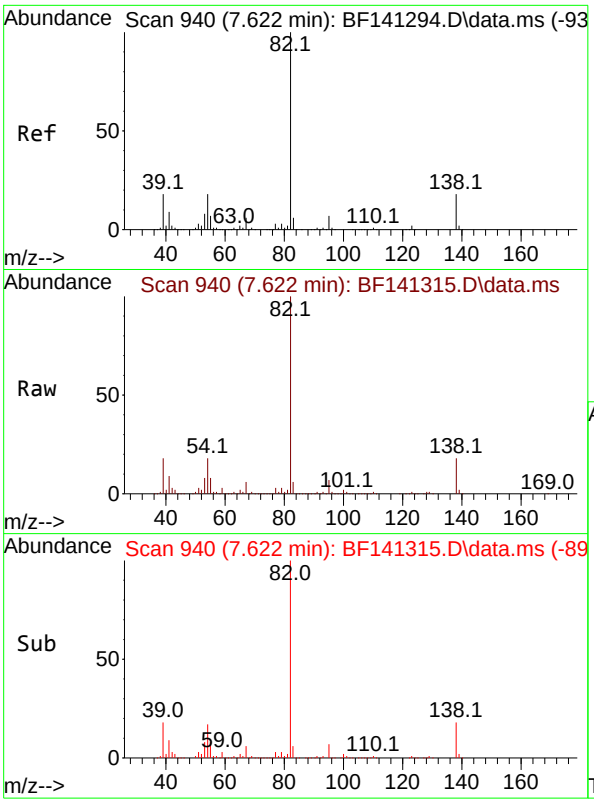


#24
Nitrobenzene
Concen: 36.600 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

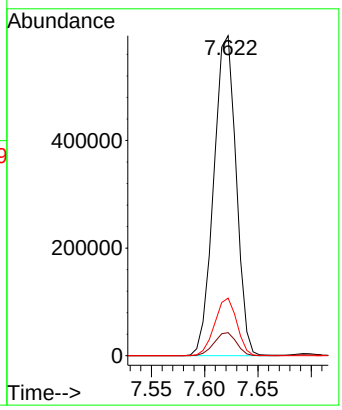




#25
Isophorone
Concen: 39.569 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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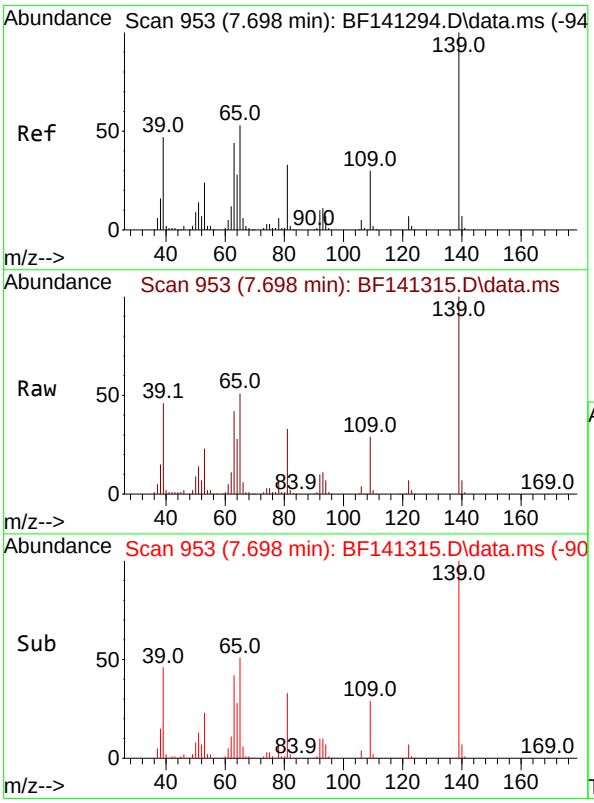
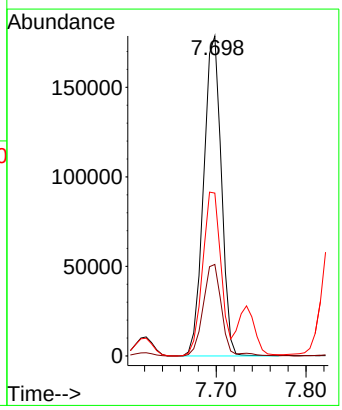
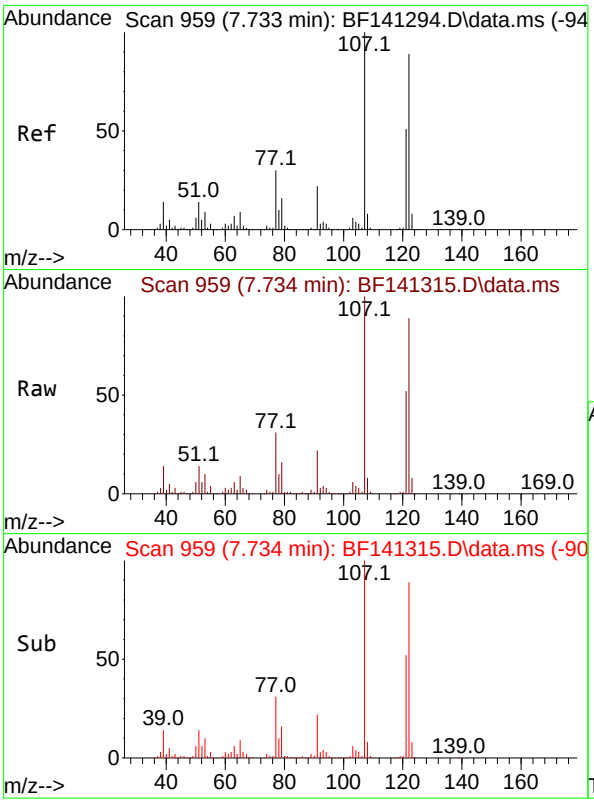


#26
2-Nitrophenol
Concen: 39.364 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

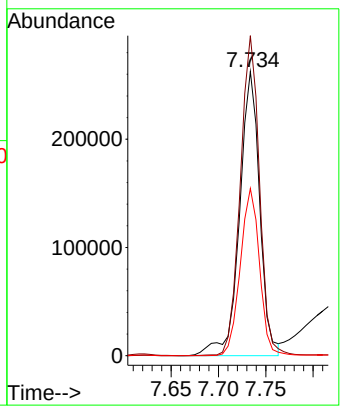




#27
2,4-Dimethylphenol
Concen: 49.159 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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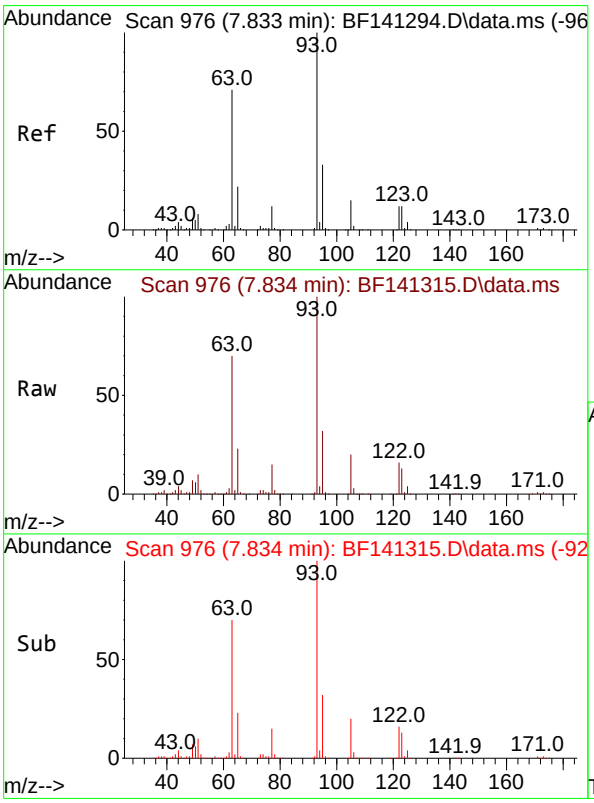
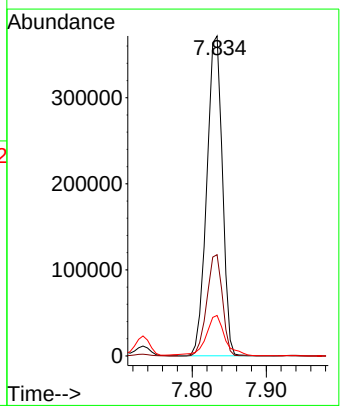
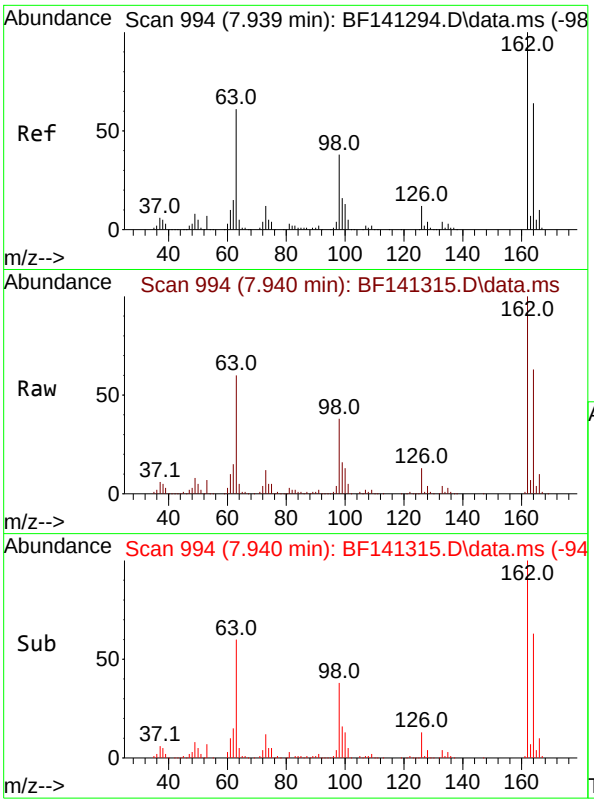


#28
bis(2-Chloroethoxy)methane
Concen: 38.703 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

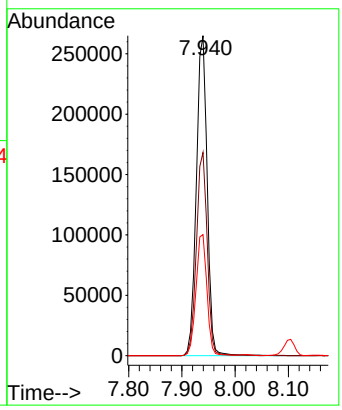




#29
2,4-Dichlorophenol
Concen: 38.581 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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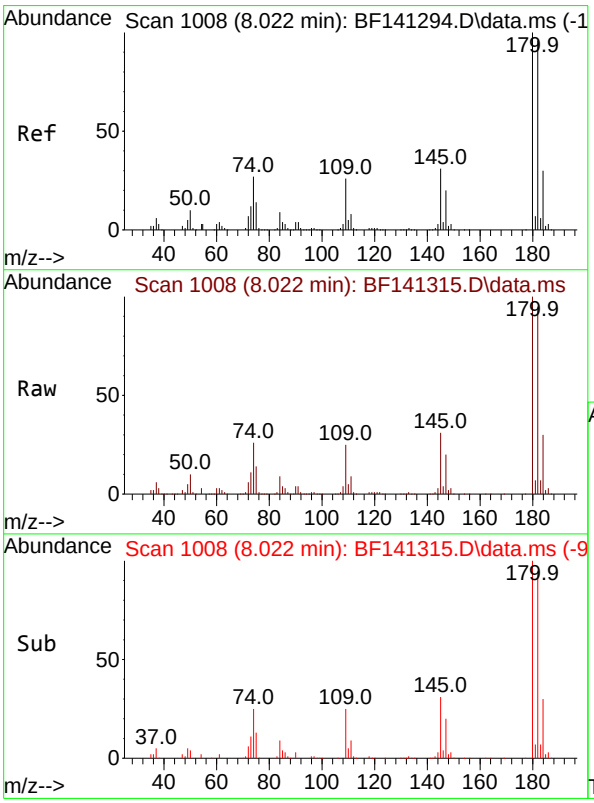
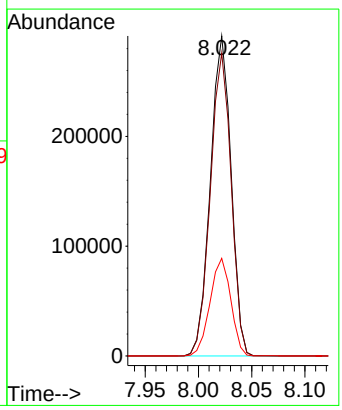
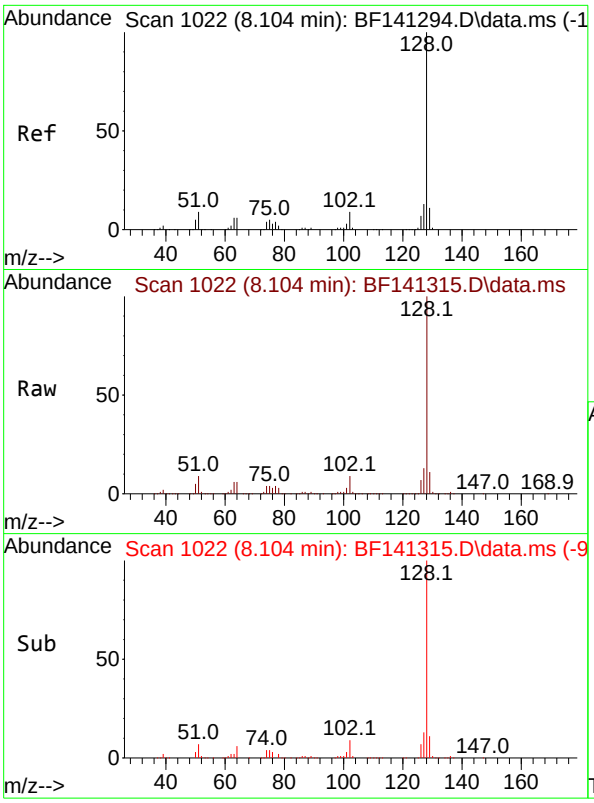


#30
1,2,4-Trichlorobenzene
Concen: 35.701 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
BNA_F
ClientSampleId :
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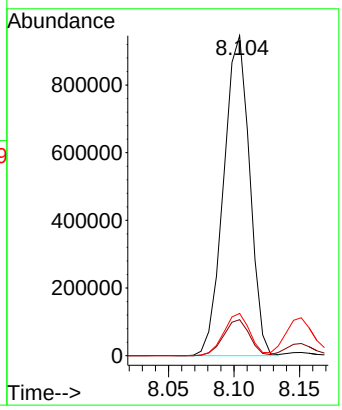
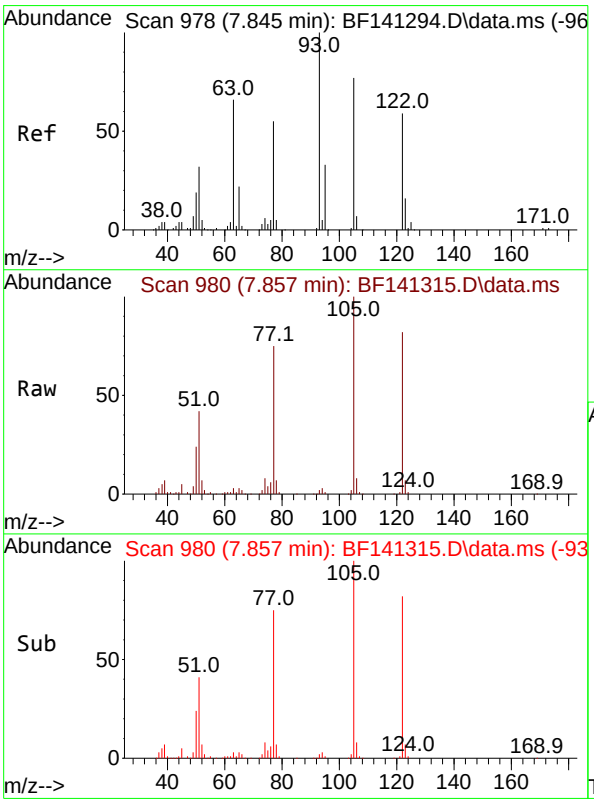
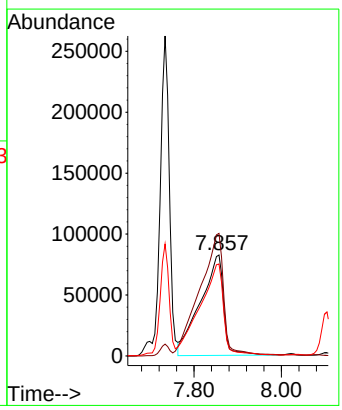


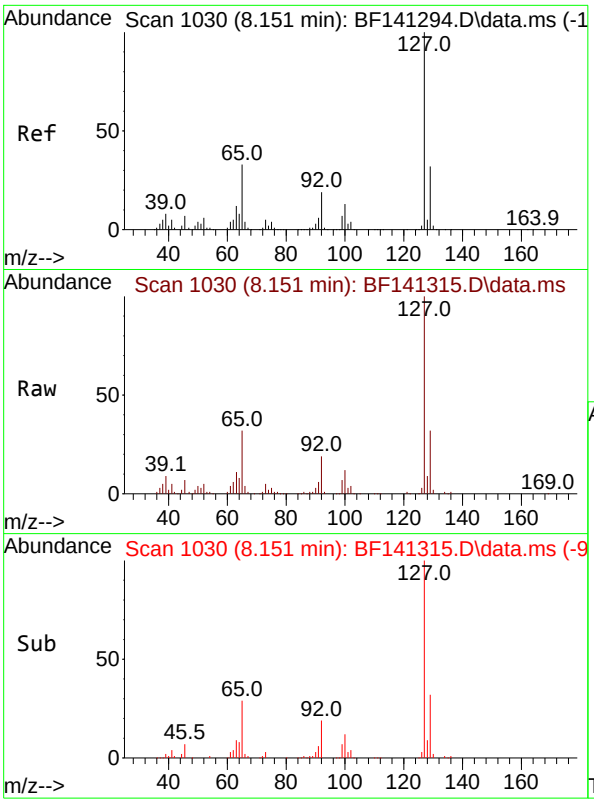


#32
Benzoic acid
Concen: 42.076 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

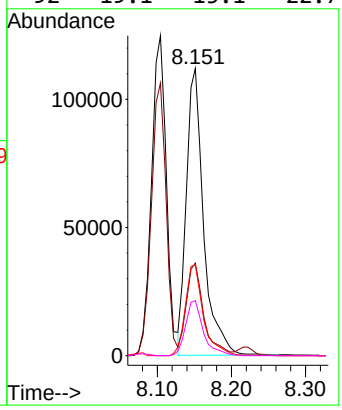




#33
4-Chloroaniline
Concen: 15.069 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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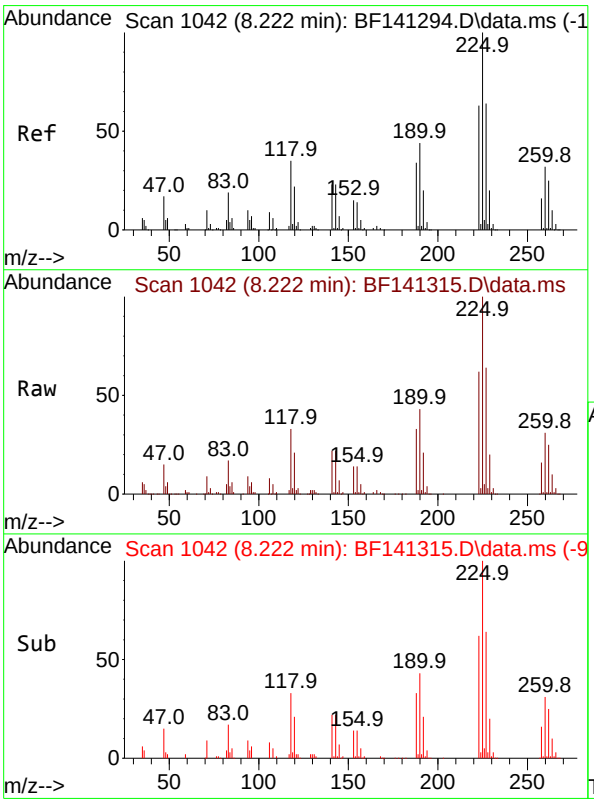
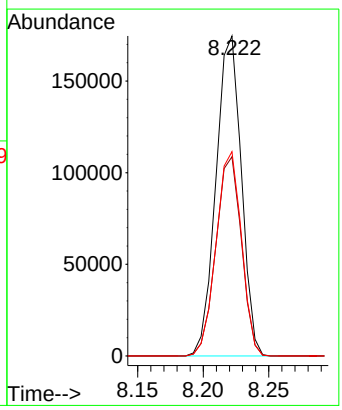
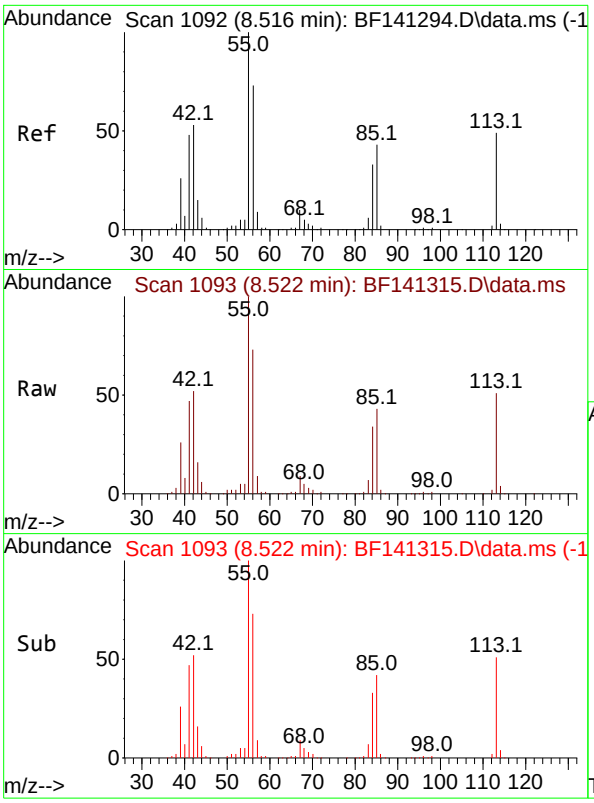


#34
Hexachlorobutadiene
Concen: 36.240 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

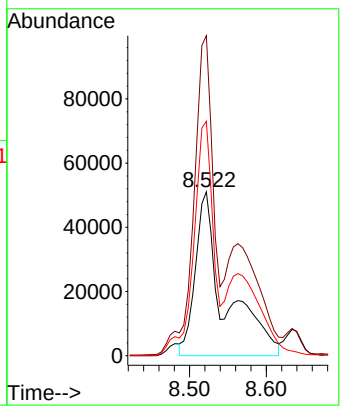




#35
Caprolactam
Concen: 42.993 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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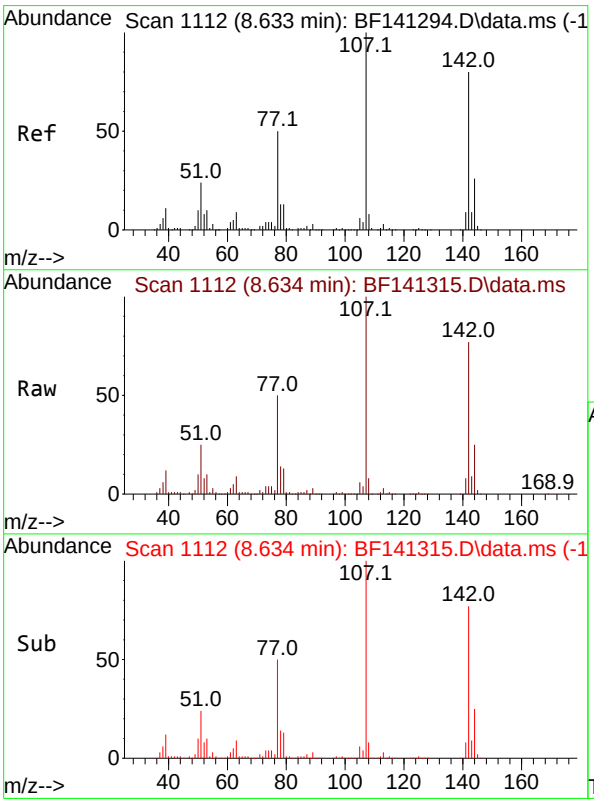
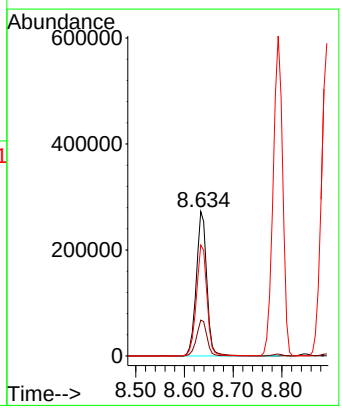
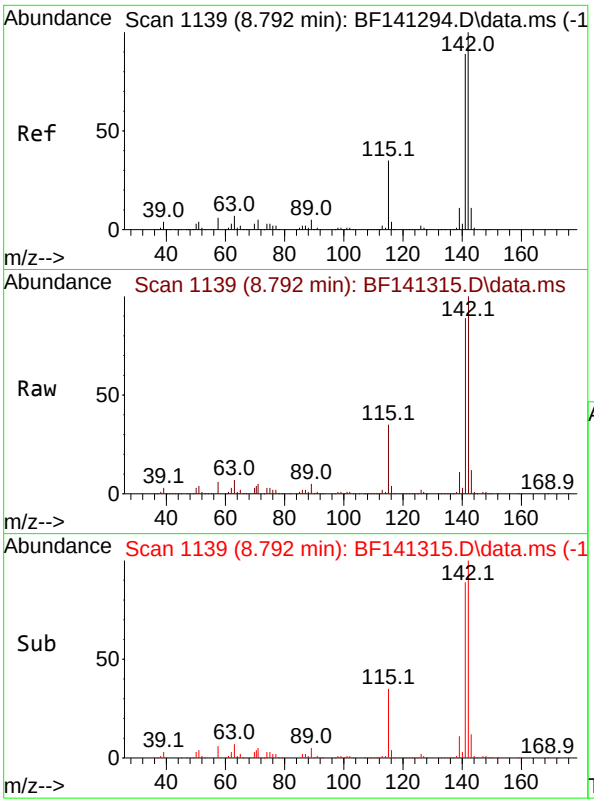


#36
4-Chloro-3-methylphenol
Concen: 39.492 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

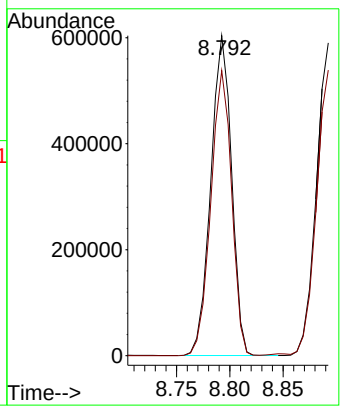




#37
2-Methylnaphthalene
Concen: 36.379 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:142 Resp: 81825

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
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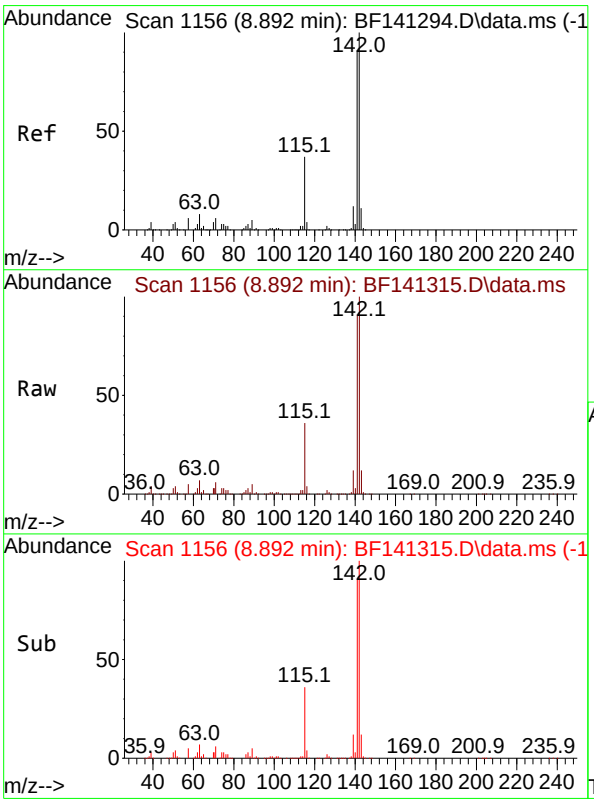
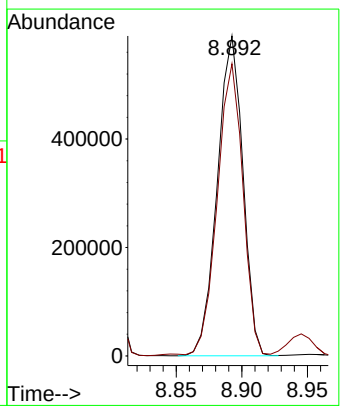
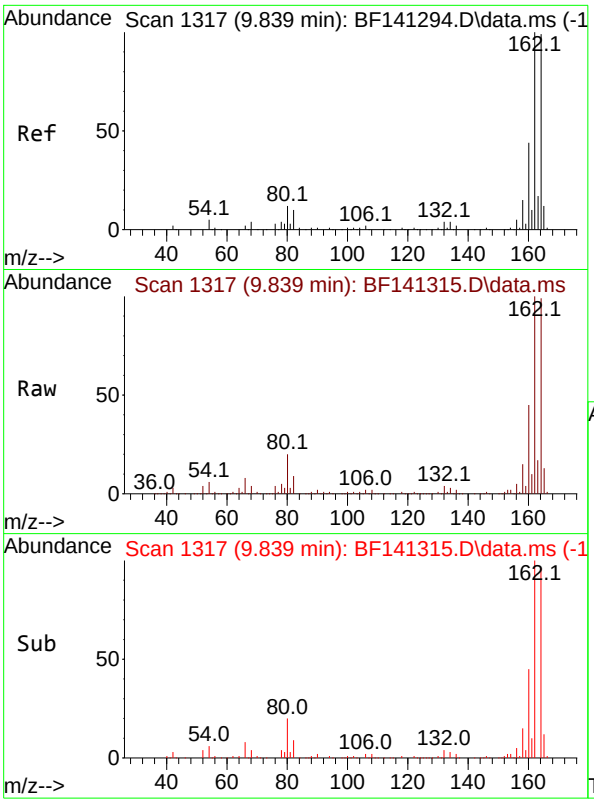


#38
1-Methylnaphthalene
Concen: 36.203 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:142 Resp: 799890

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8

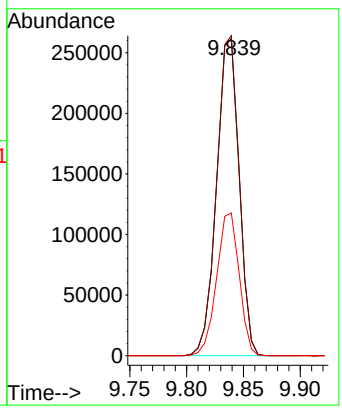




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
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ClientSampleId :
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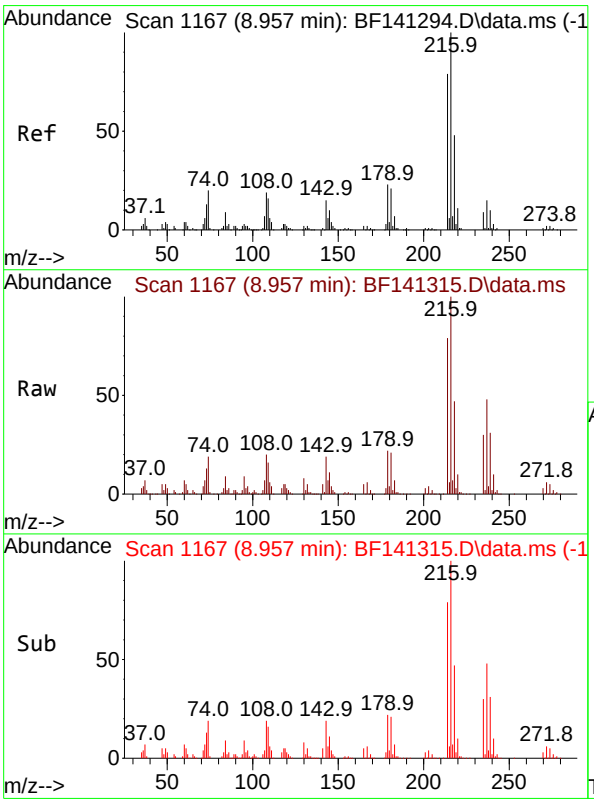
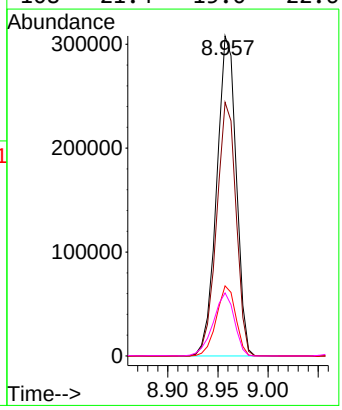
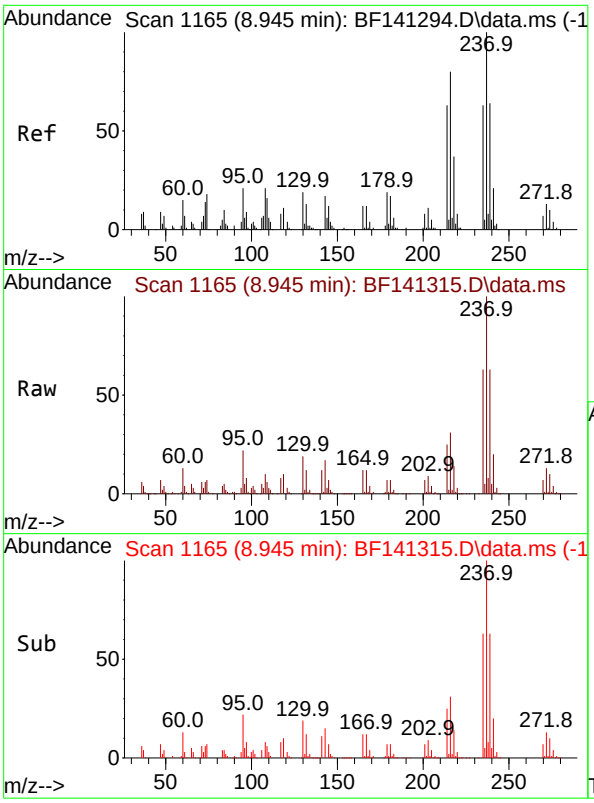


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.479 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

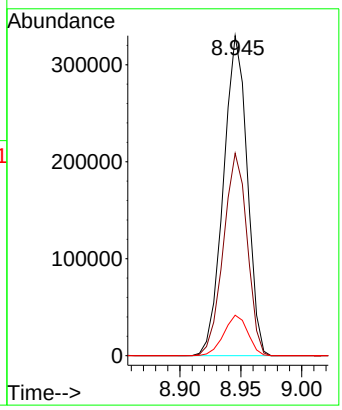




#41
Hexachlorocyclopentadiene
Concen: 147.988 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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



Instrument :
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ClientSampleId :
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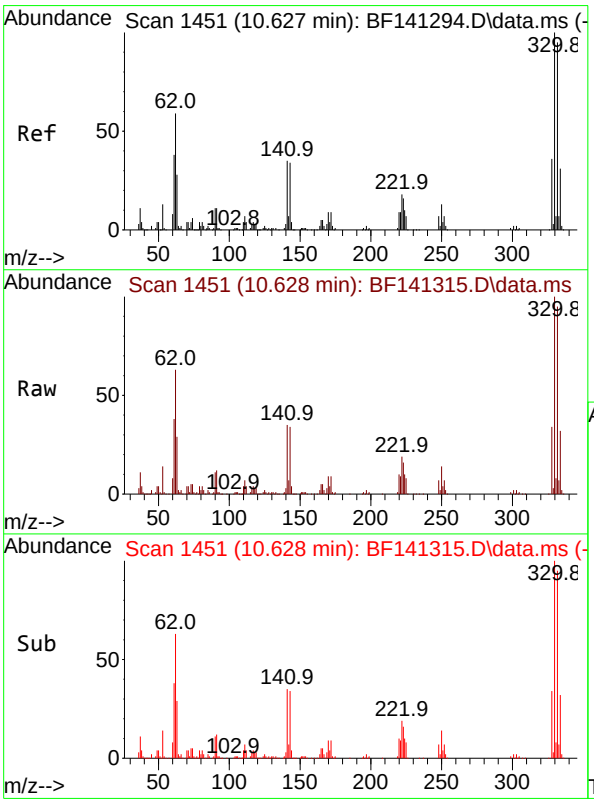
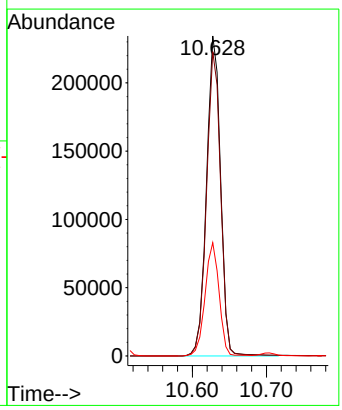
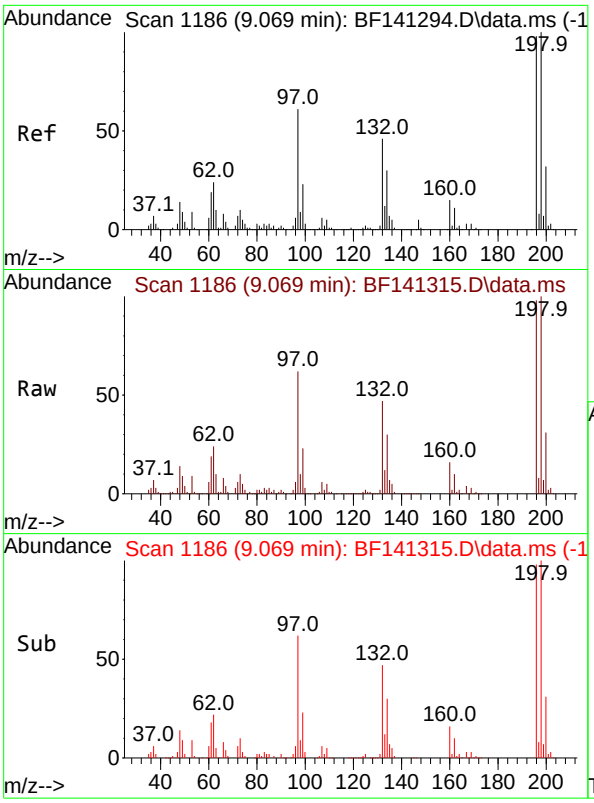


#42
2,4,6-Tribromophenol
Concen: 93.300 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

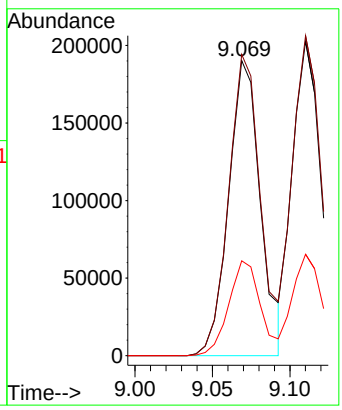




#43
2,4,6-Trichlorophenol
Concen: 40.323 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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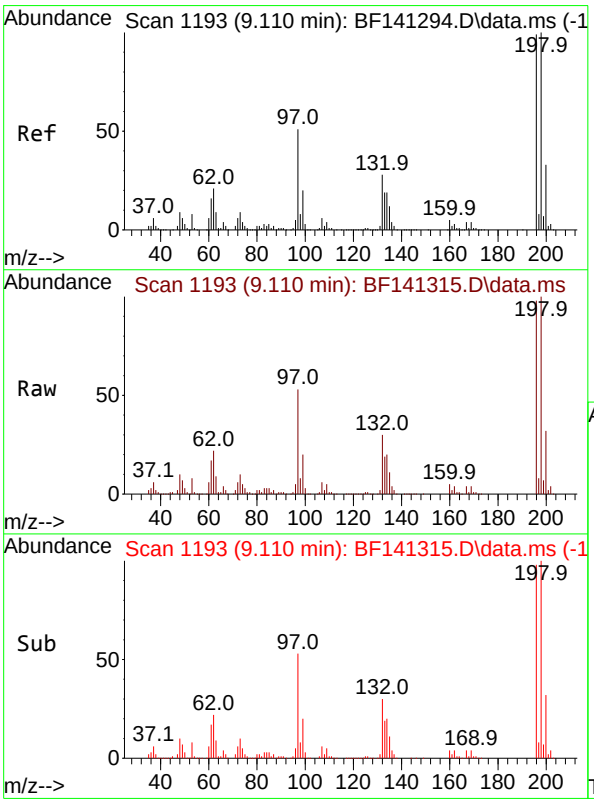
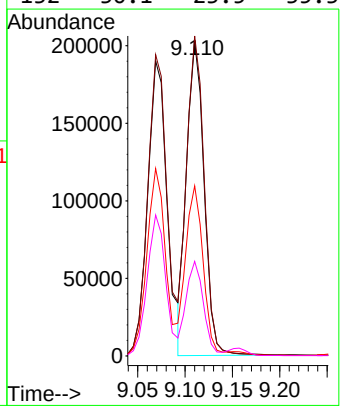
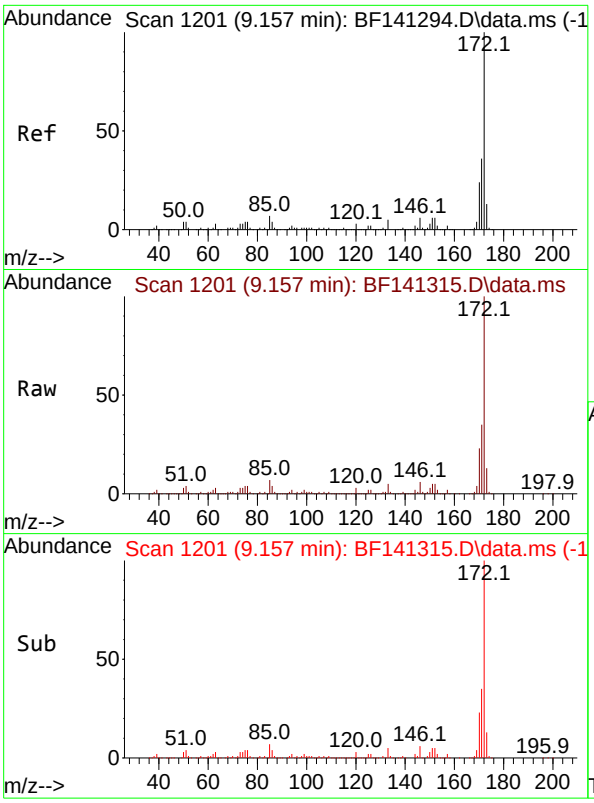


#44
2,4,5-Trichlorophenol
Concen: 35.851 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

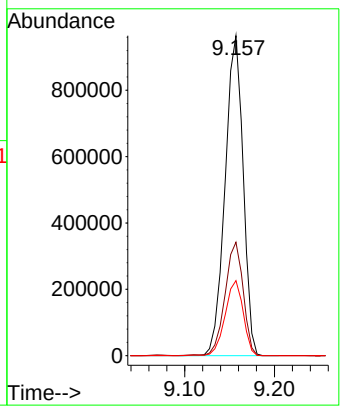




#45
2-Fluorobiphenyl
Concen: 57.384 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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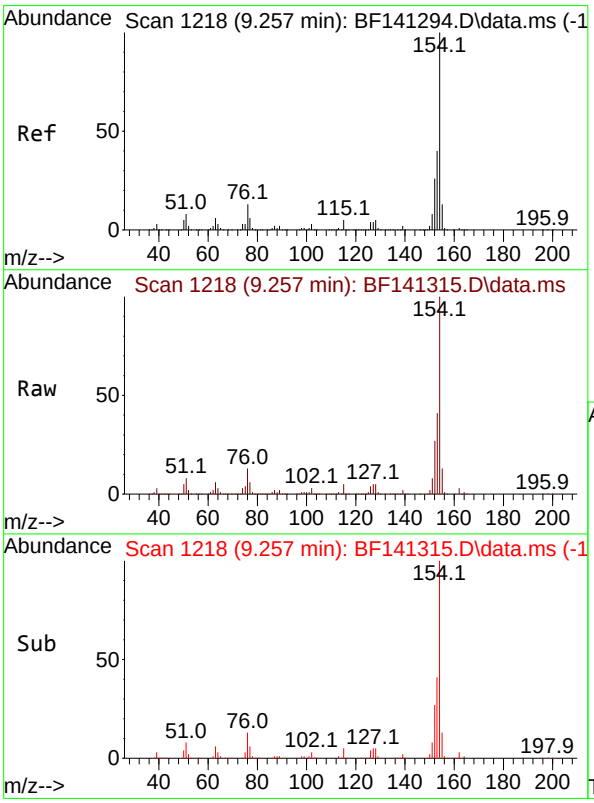
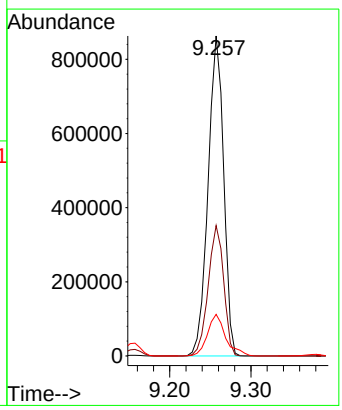
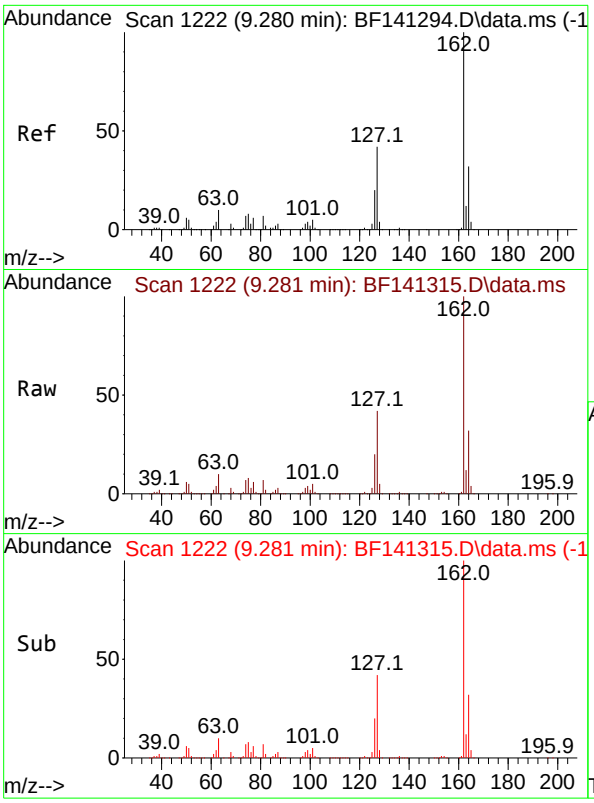


#46
1,1'-Biphenyl
Concen: 40.745 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

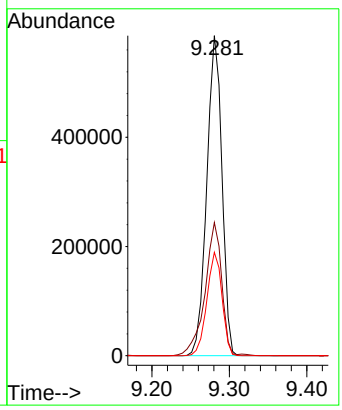




#47
2-Chloronaphthalene
Concen: 36.241 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
BNA_F
ClientSampleId :
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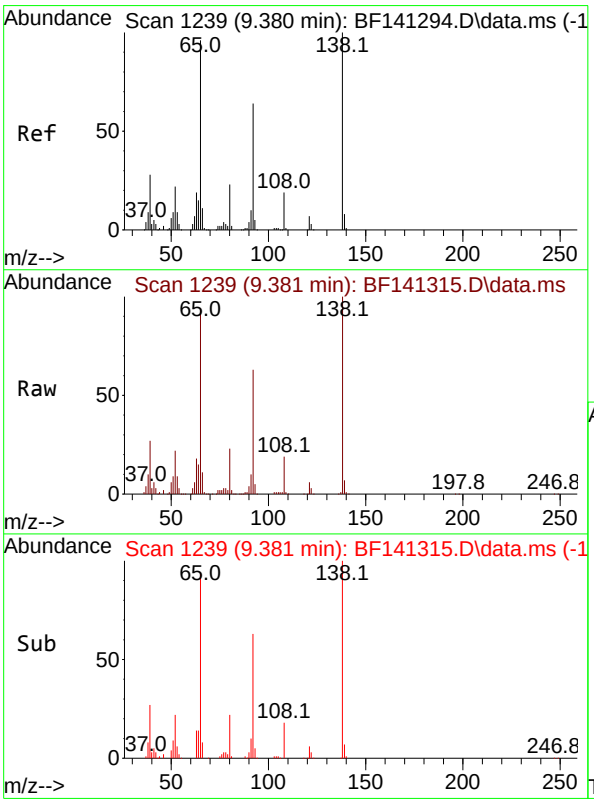
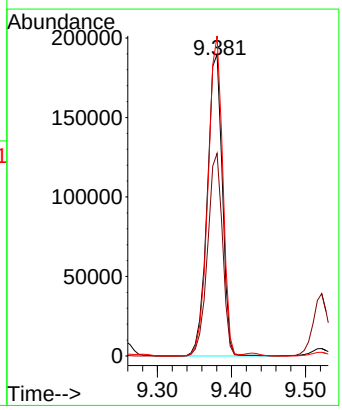
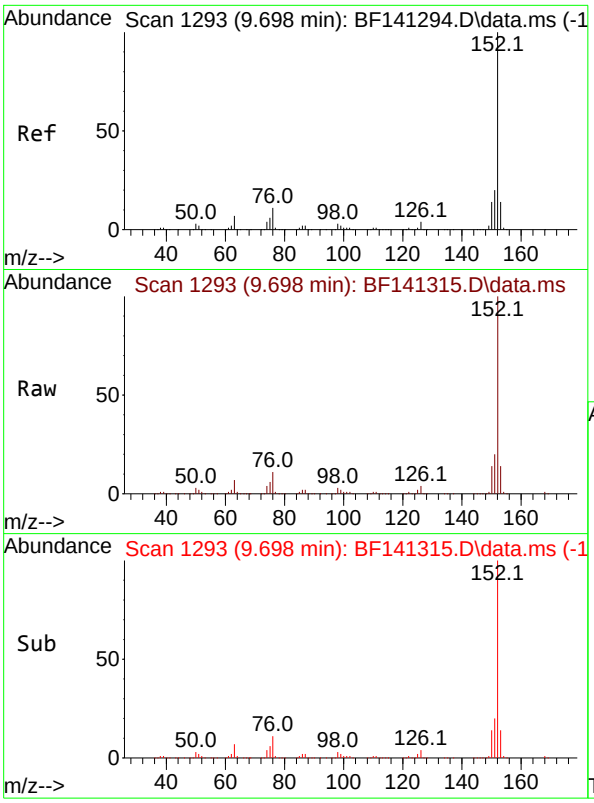


#48
2-Nitroaniline
Concen: 38.862 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

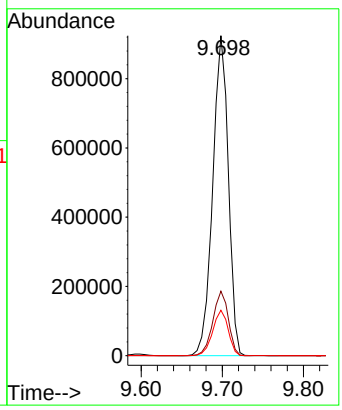




#49
Acenaphthylene
Concen: 40.194 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
BNA_F
ClientSampleId :
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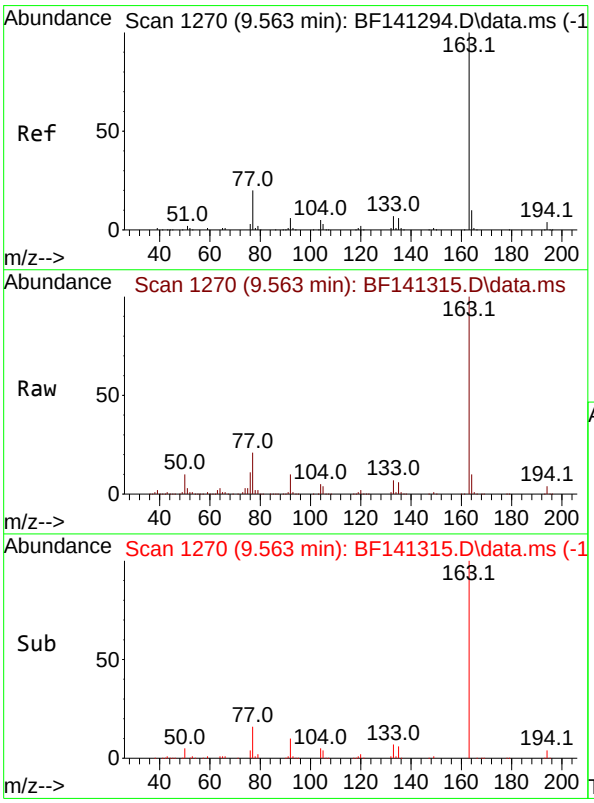
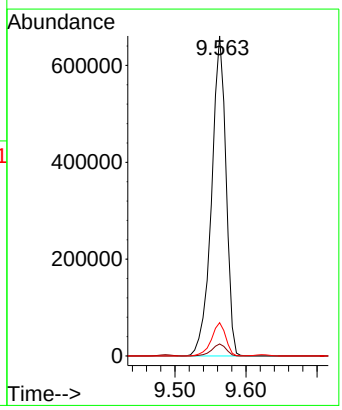
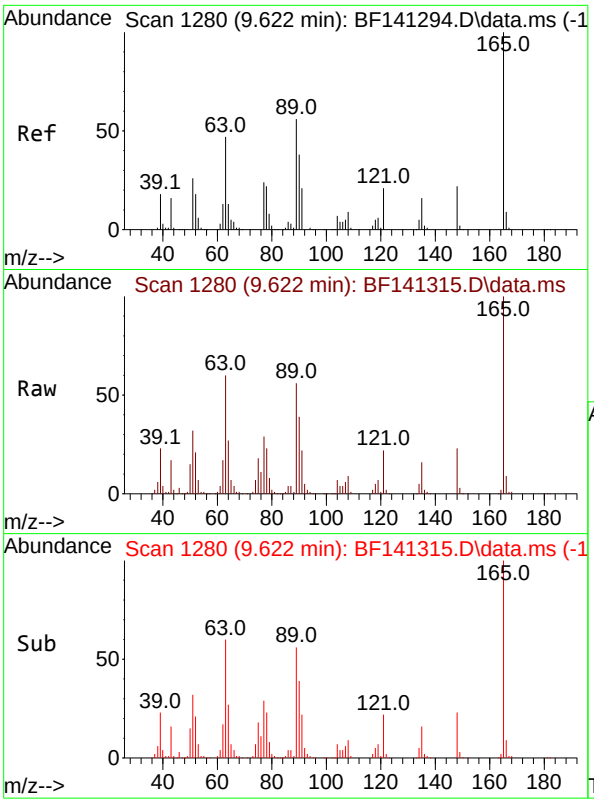


#50
Dimethylphthalate
Concen: 38.156 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

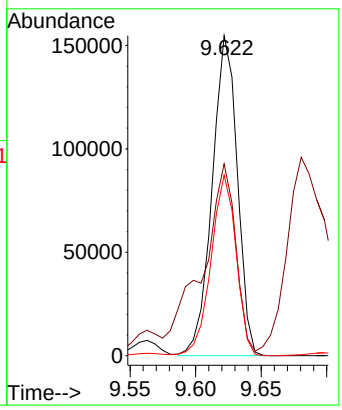




#51
2,6-Dinitrotoluene
Concen: 36.359 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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



Instrument :
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ClientSampleId :
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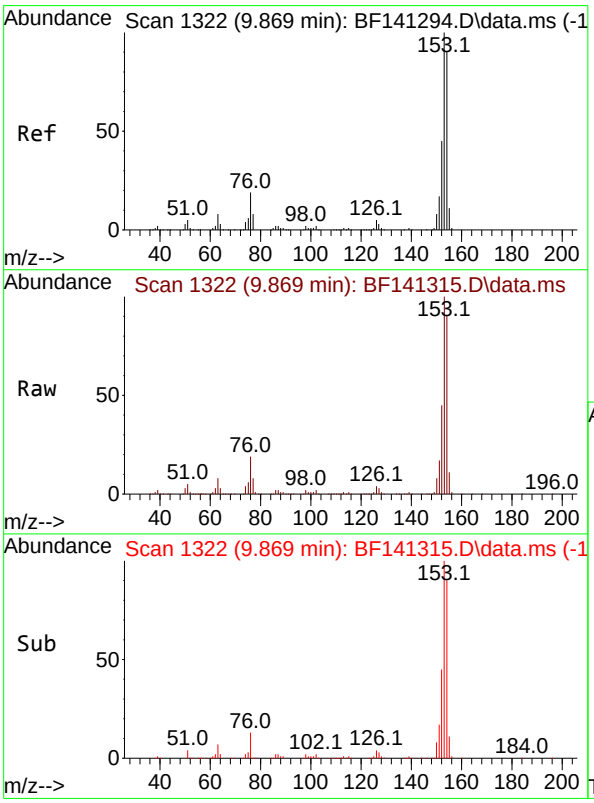
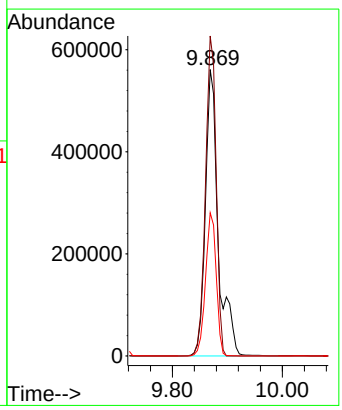
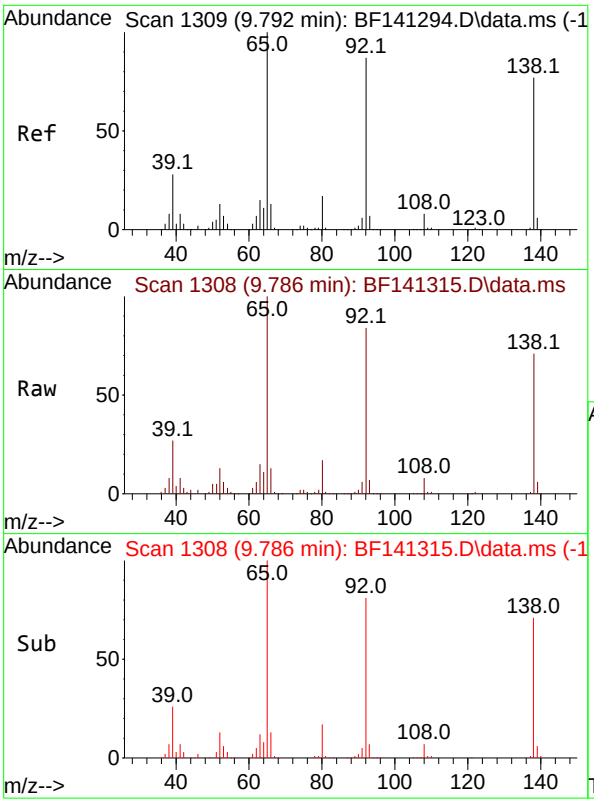


#52
Acenaphthene
Concen: 41.441 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Instrument :
BNA_F
ClientSampleId :
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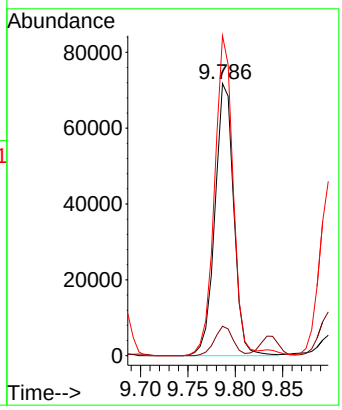
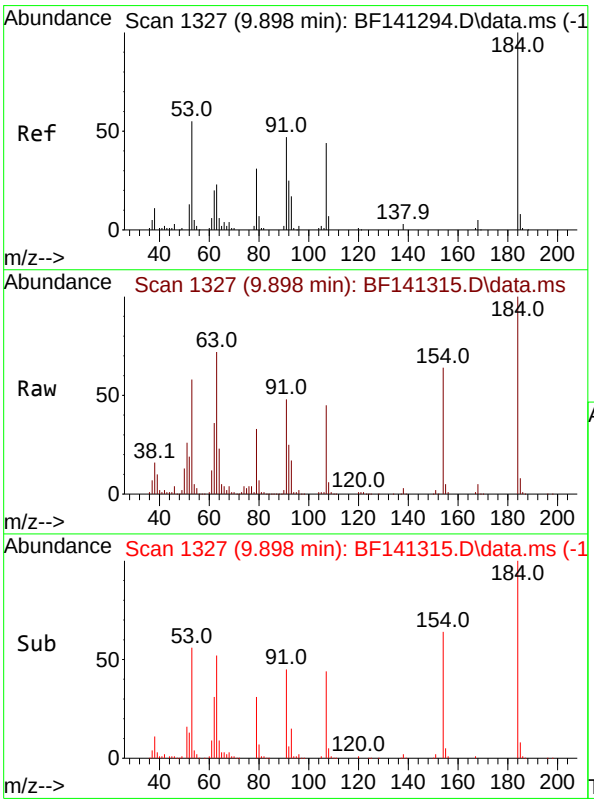
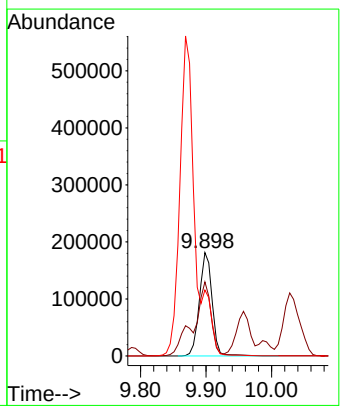


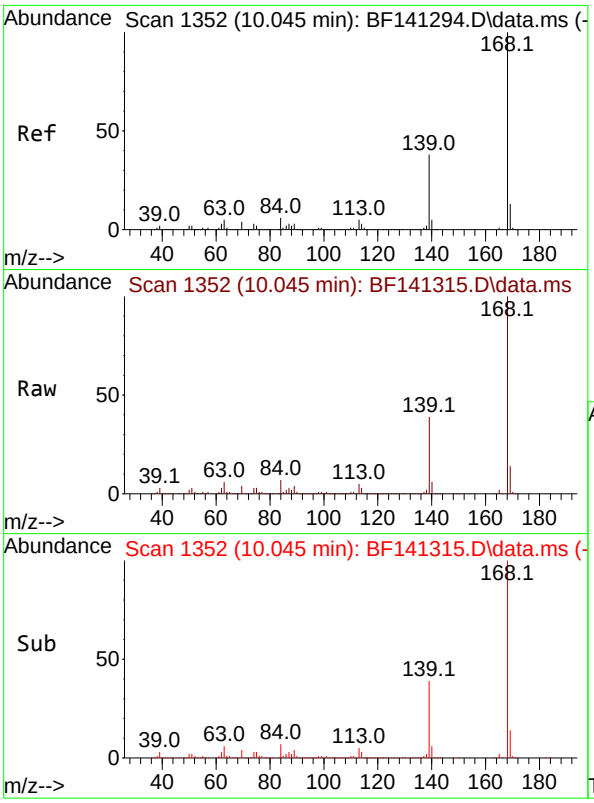


#54
2,4-Dinitrophenol
Concen: 93.333 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

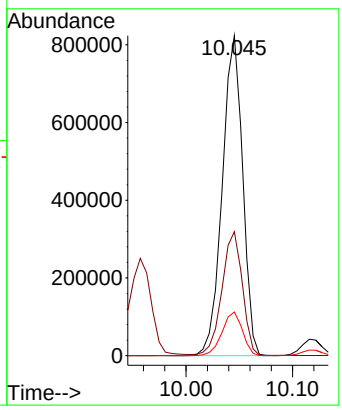




#55
Dibenzofuran
Concen: 37.190 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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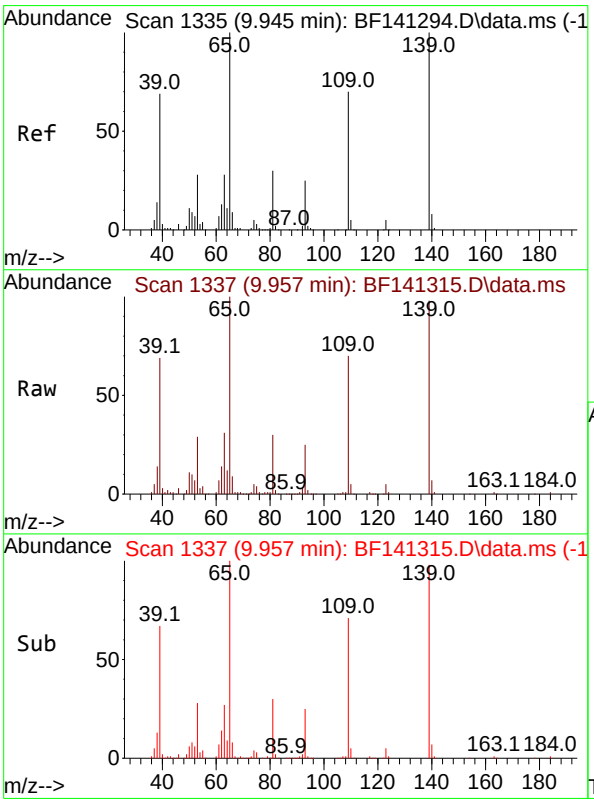
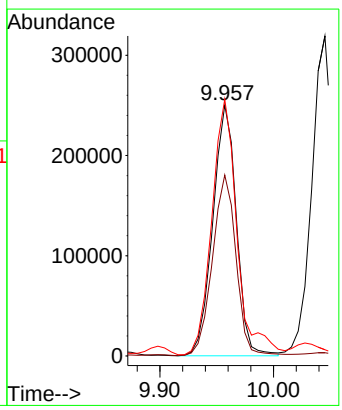
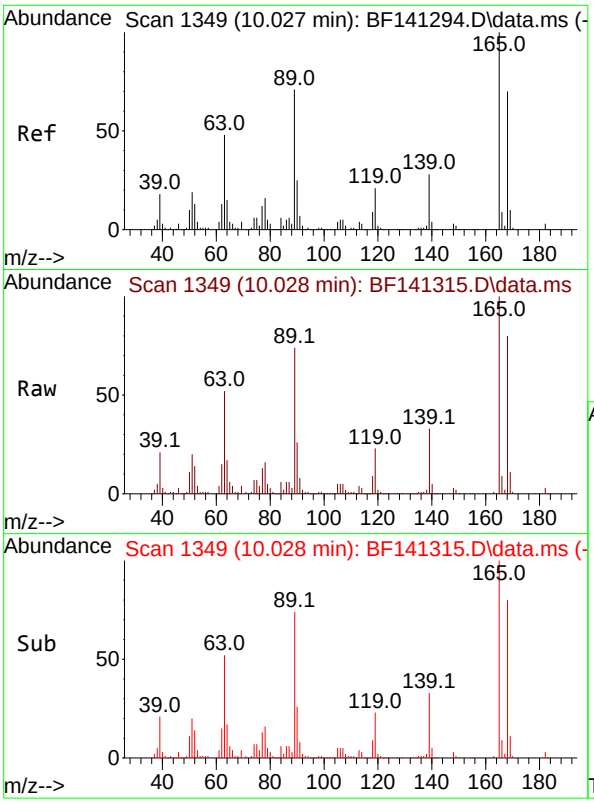


#56
4-Nitrophenol
Concen: 88.860 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

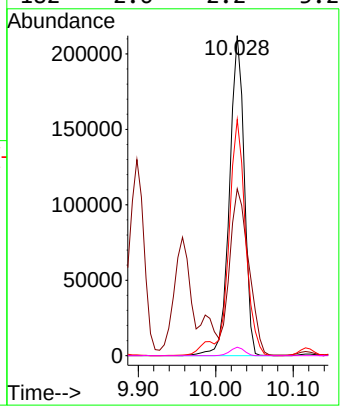




#57
2,4-Dinitrotoluene
Concen: 38.281 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
WC-5MS

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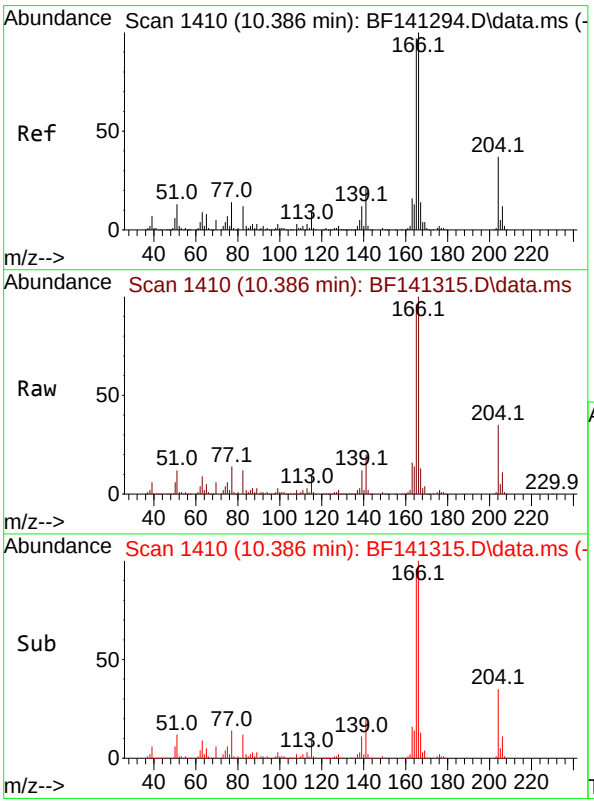
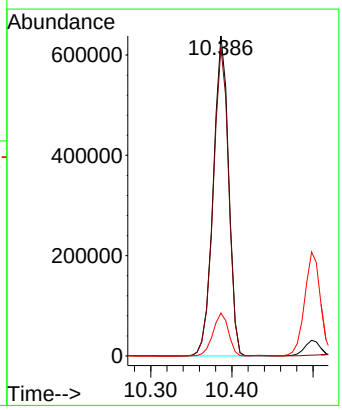
Supervised By :mohammad ahmed 01/31/2025

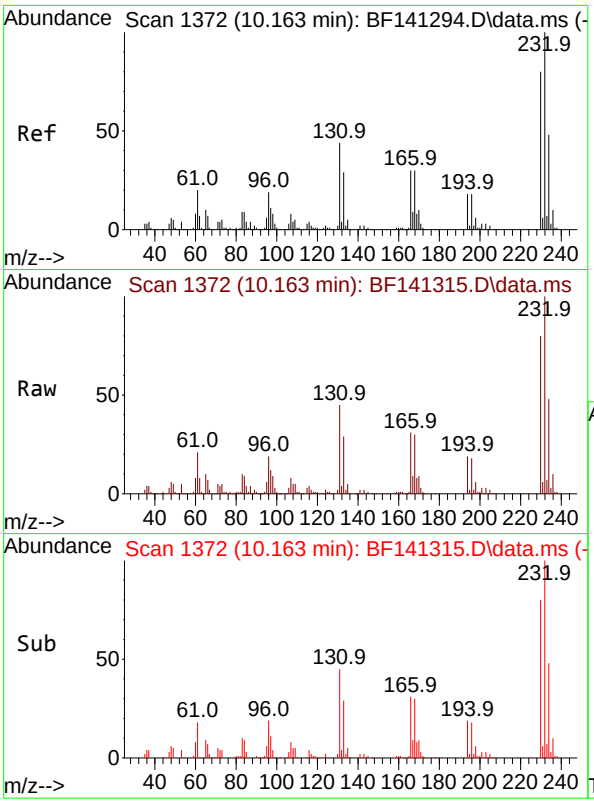


#58
Fluorene
Concen: 36.844 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

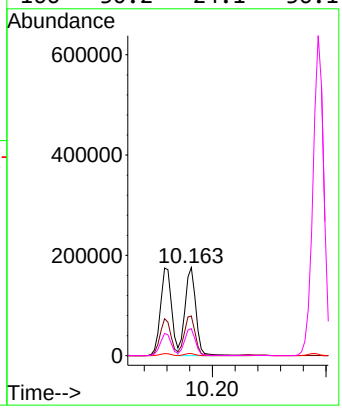




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.247 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
BNA_F
ClientSampleId :
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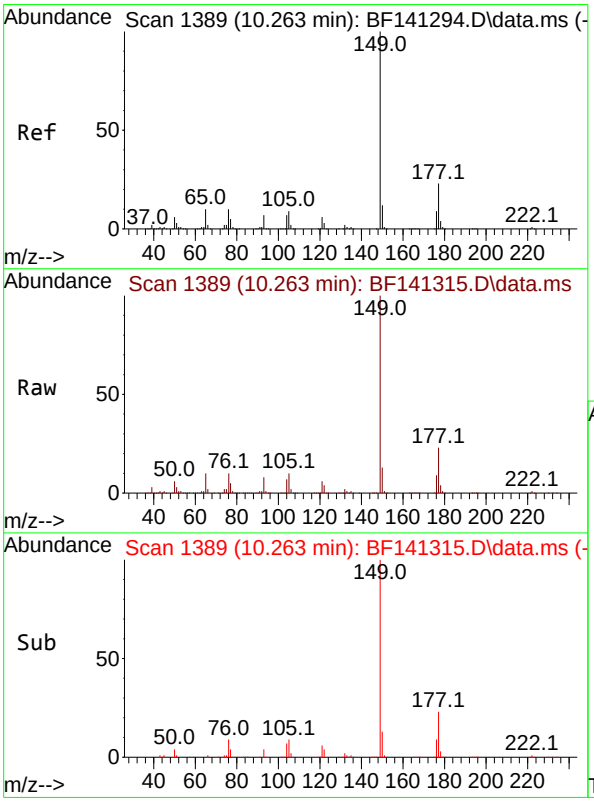
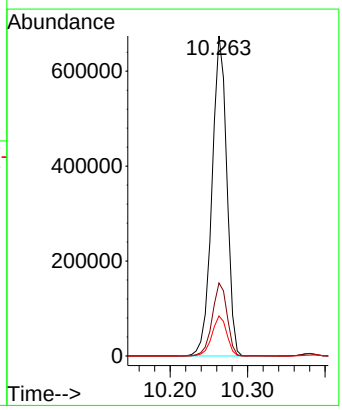
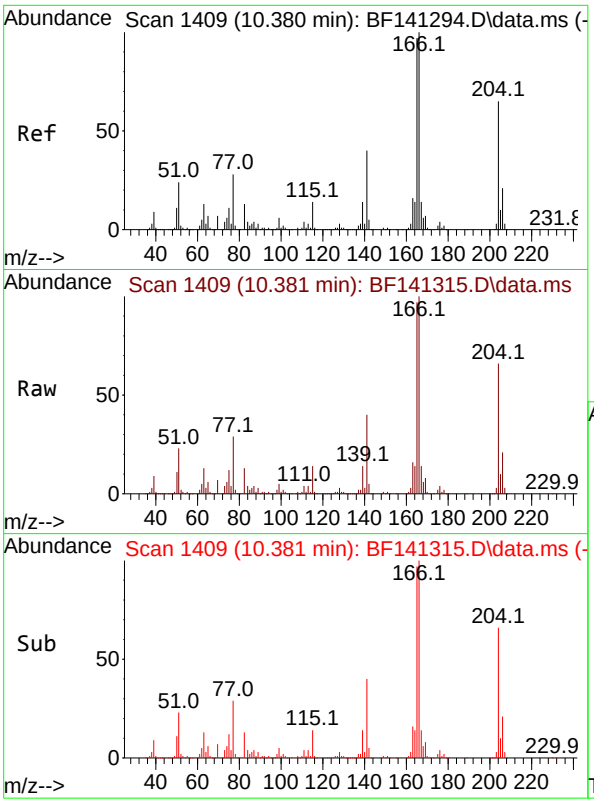


#60
Diethylphthalate
Concen: 37.755 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Instrument :
BNA_F
ClientSampleId :
WC-5MS

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

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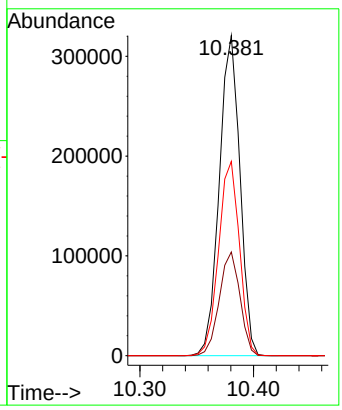
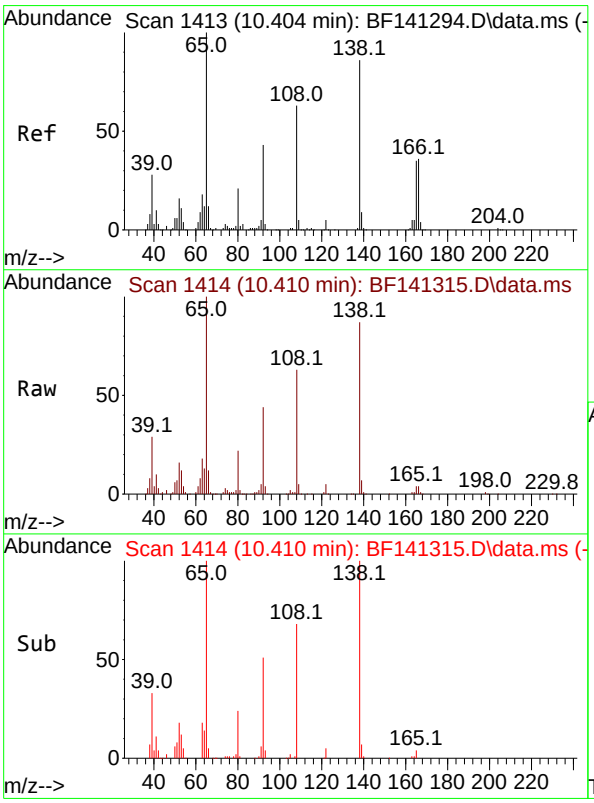
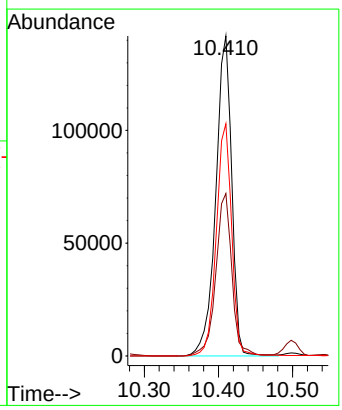


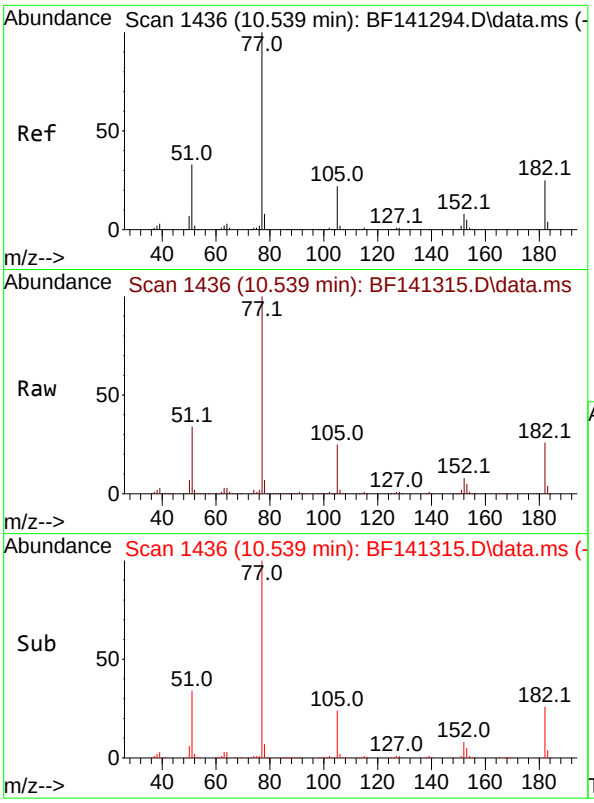


#62
4-Nitroaniline
Concen: 38.819 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

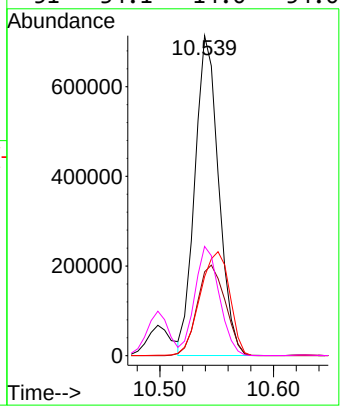




#63
Azobenzene
Concen: 43.776 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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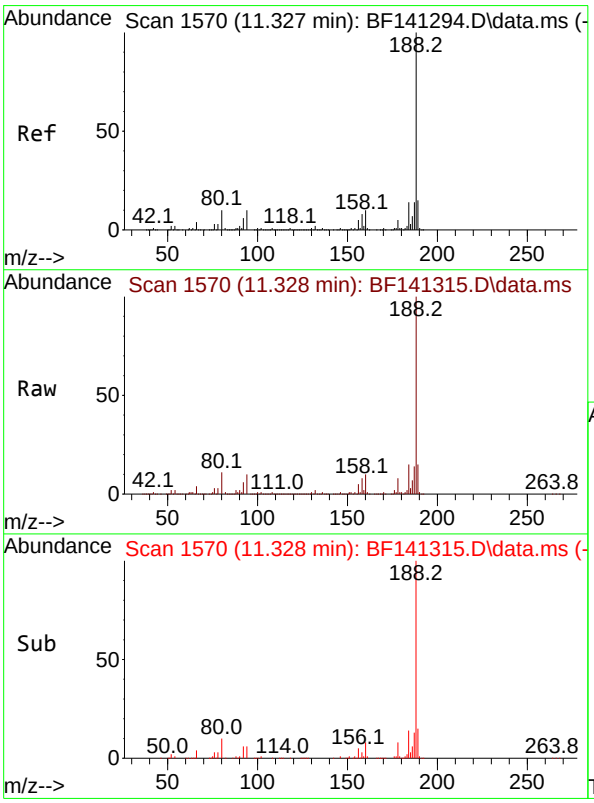
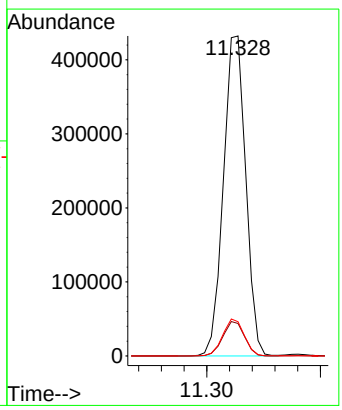
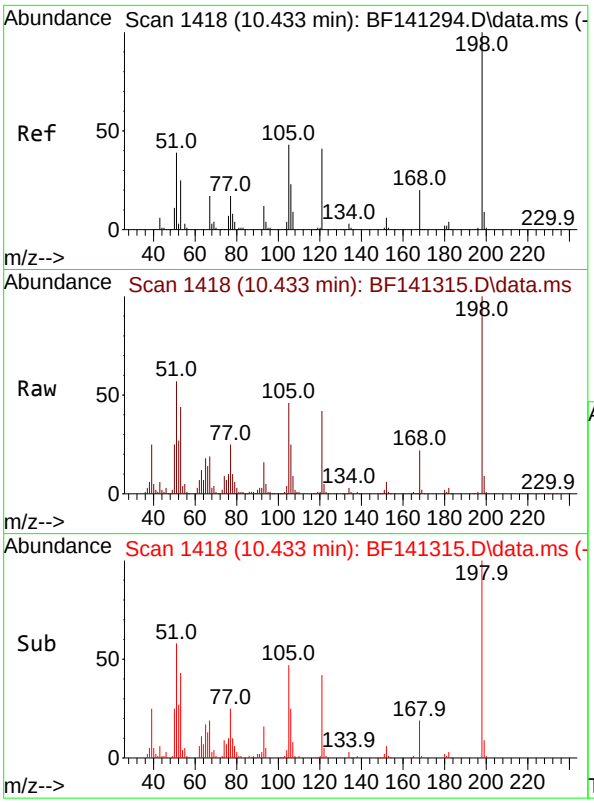


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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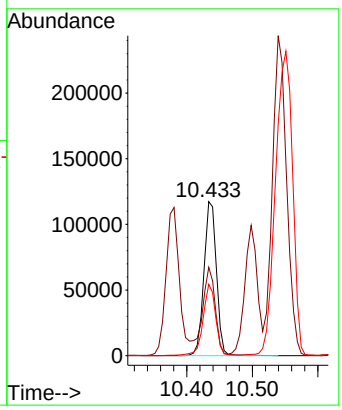
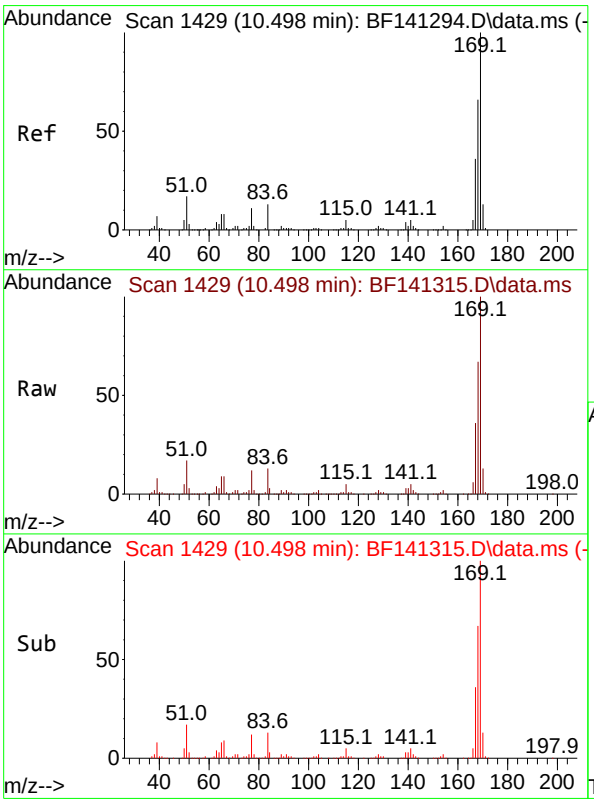
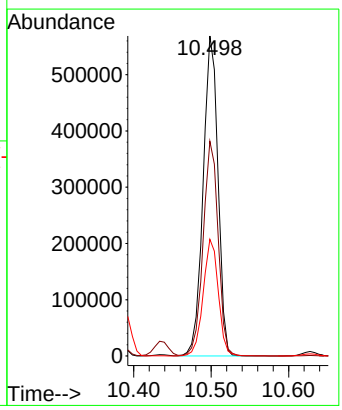


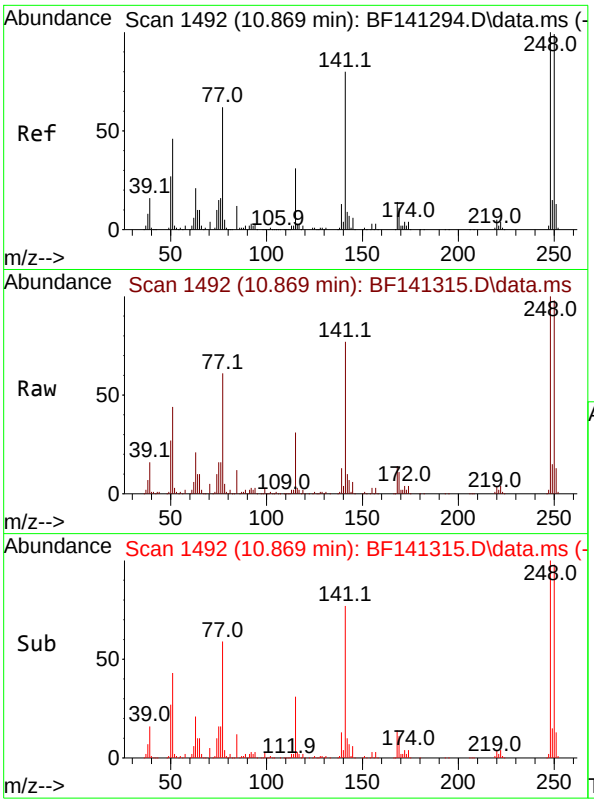


#66
n-Nitrosodiphenylamine
Concen: 39.707 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

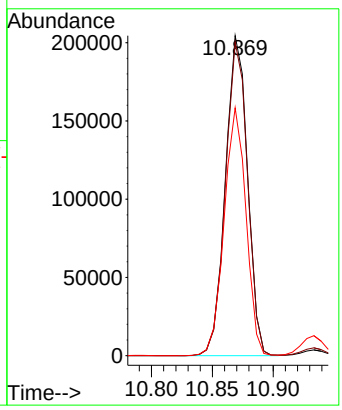




#67
4-Bromophenyl-phenylether
Concen: 39.142 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
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ClientSampleId :
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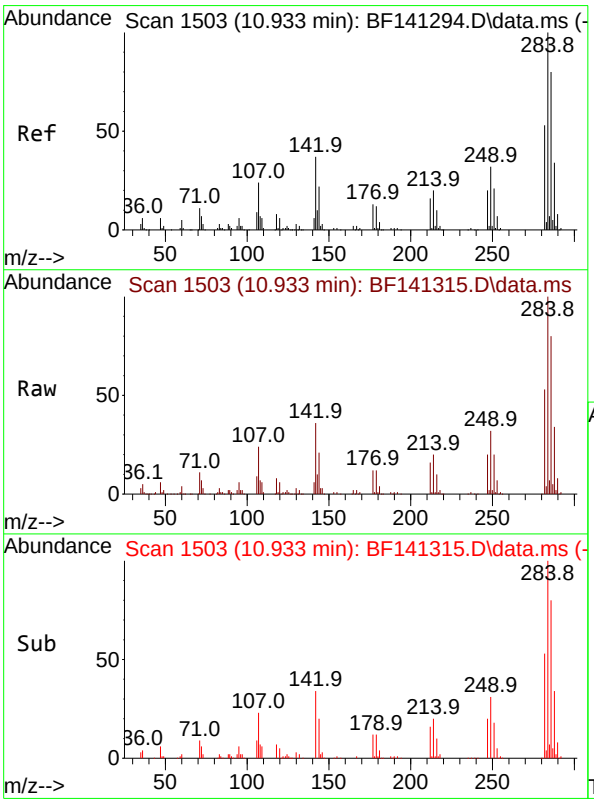
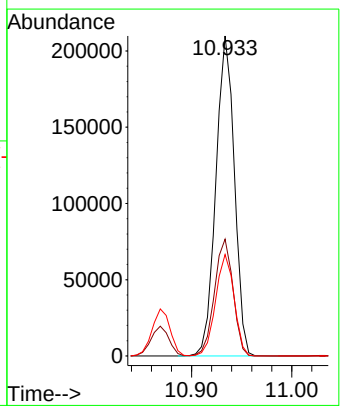
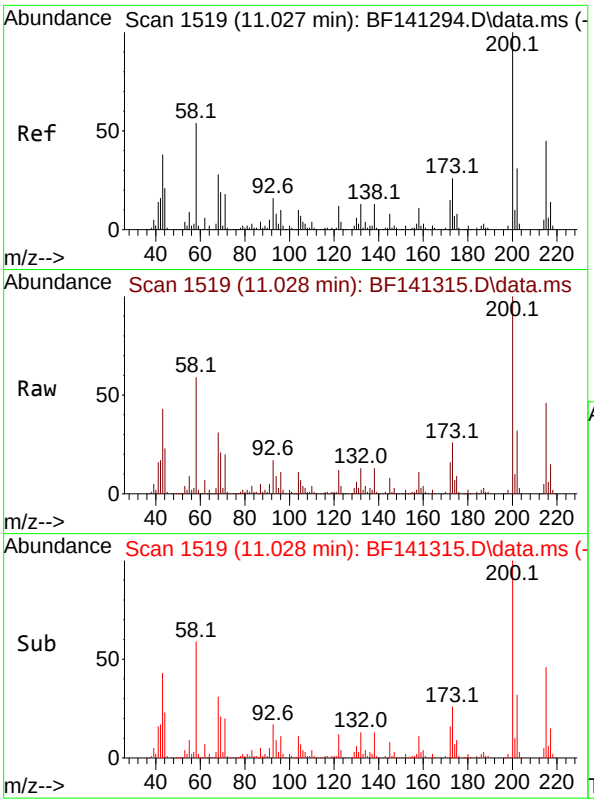


#68
Hexachlorobenzene
Concen: 38.355 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

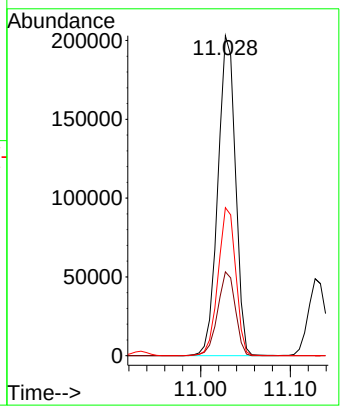




#69
Atrazine
Concen: 43.348 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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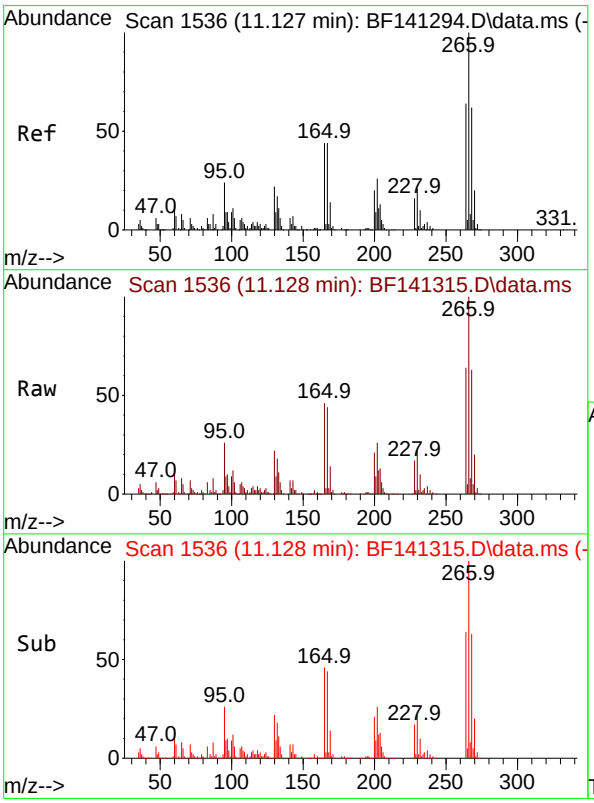
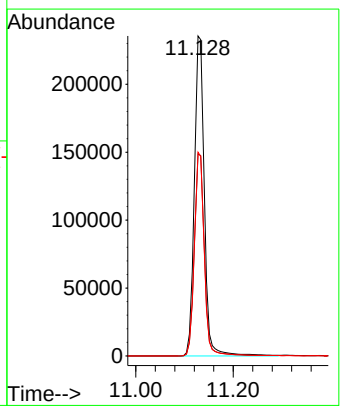
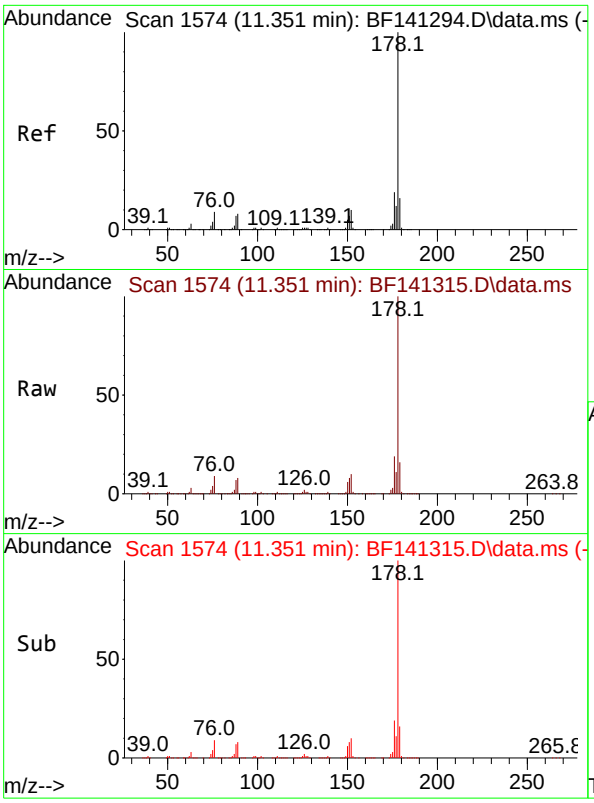


#70
Pentachlorophenol
Concen: 82.551 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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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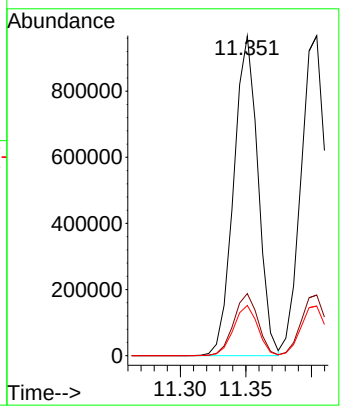
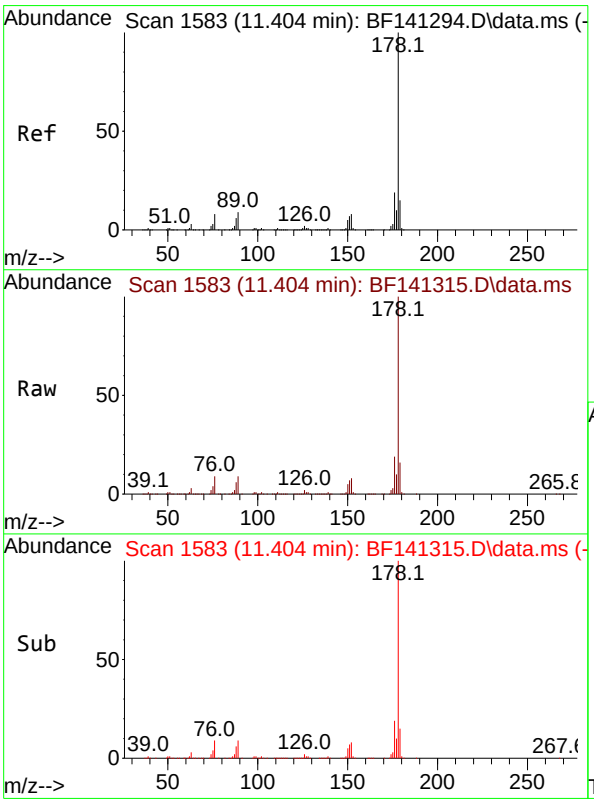
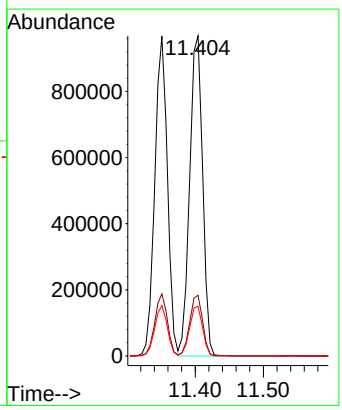


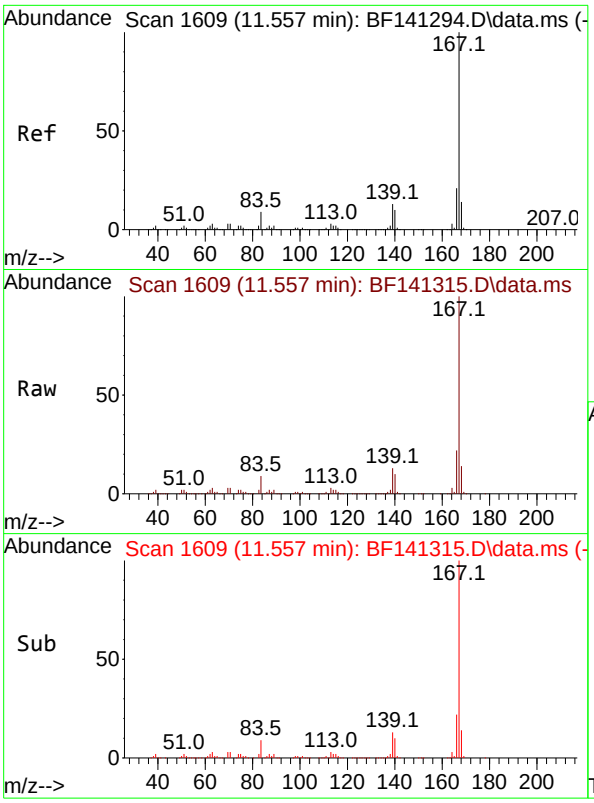


#72
Anthracene
Concen: 40.904 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

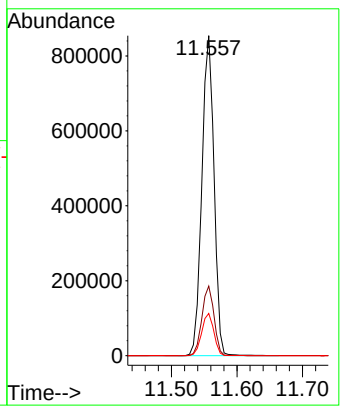




#73
Carbazole
Concen: 40.093 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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 :
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ClientSampleId :
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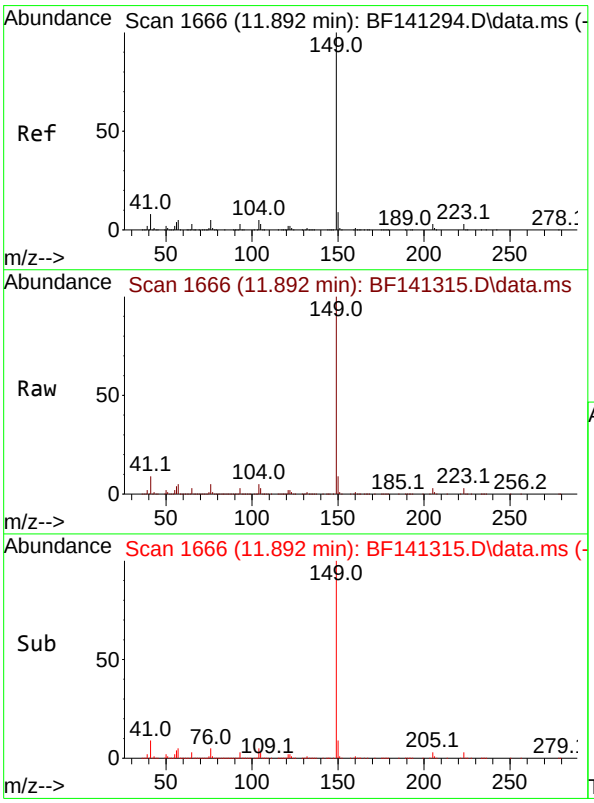
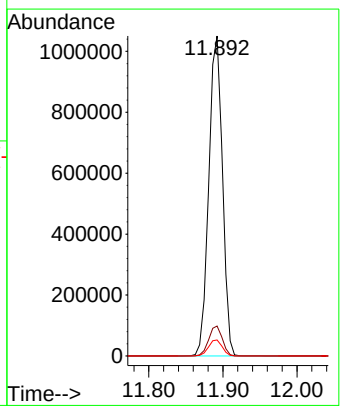
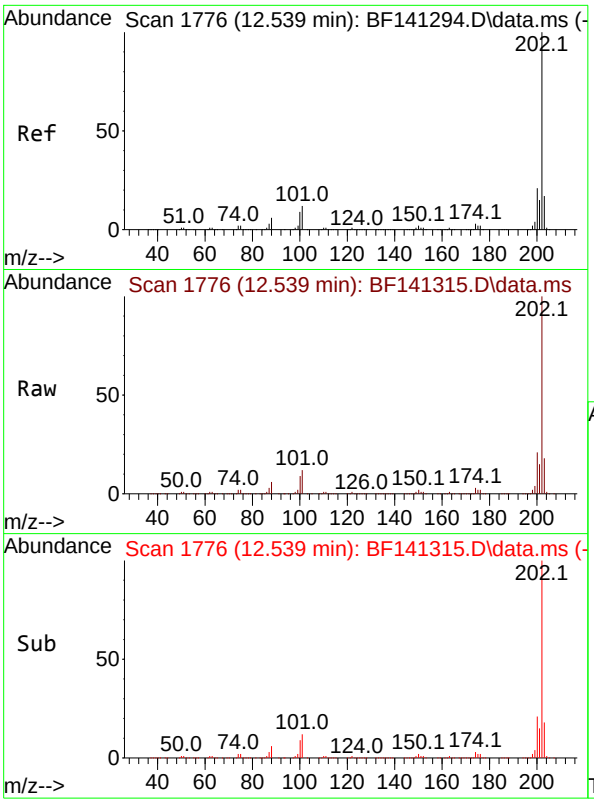


#74
Di-n-butylphthalate
Concen: 40.206 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

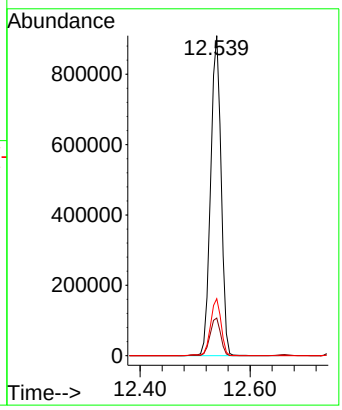




#75
Fluoranthene
Concen: 38.321 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

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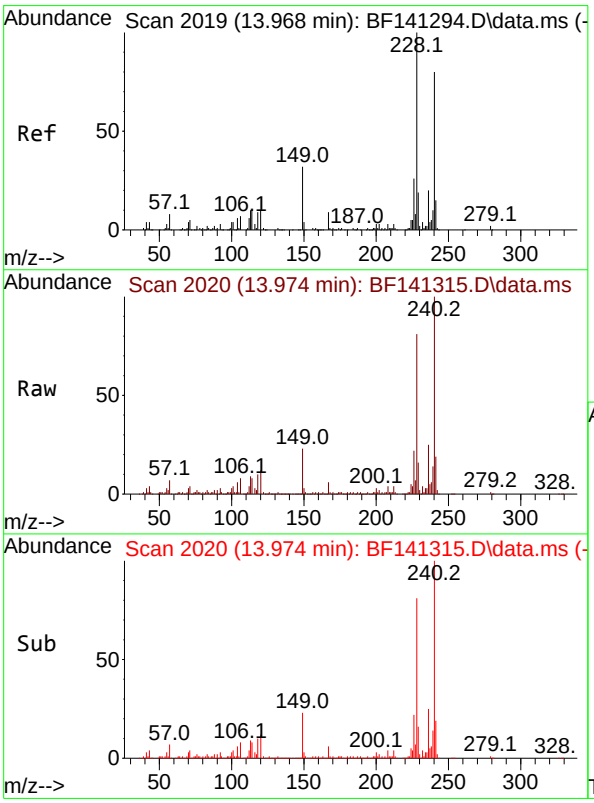
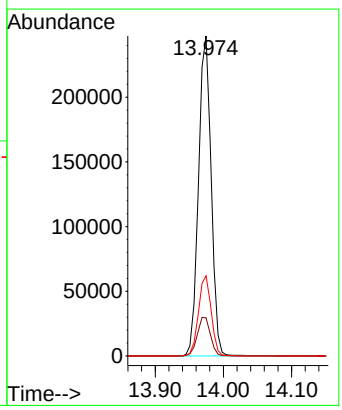
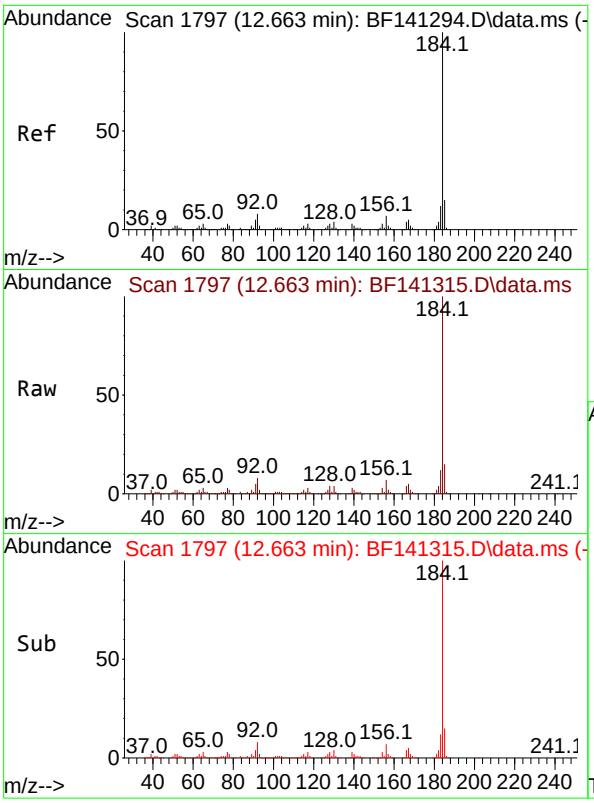


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

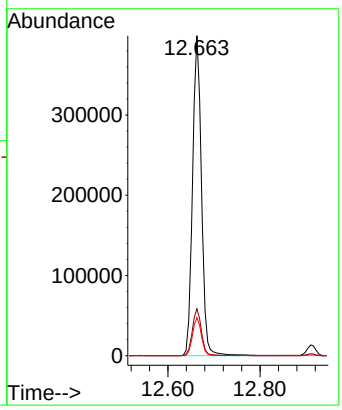




#77
Benzidine
Concen: 52.246 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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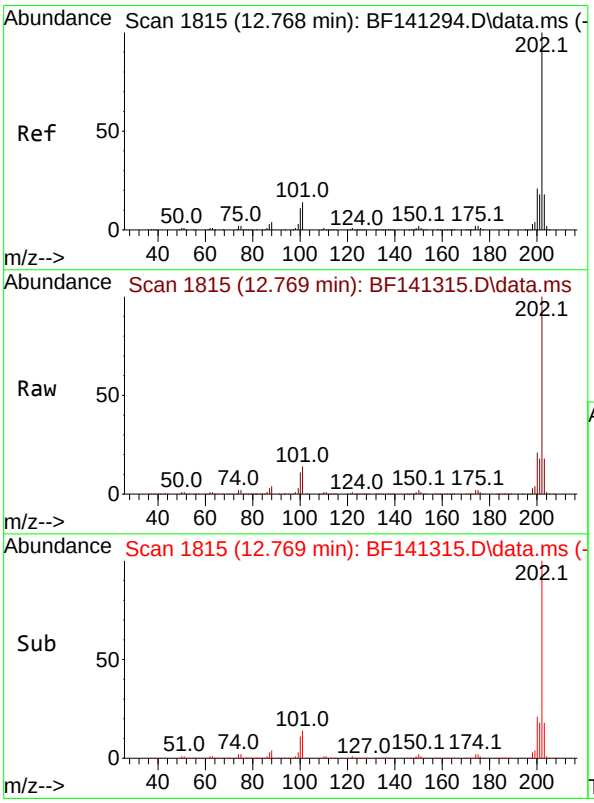
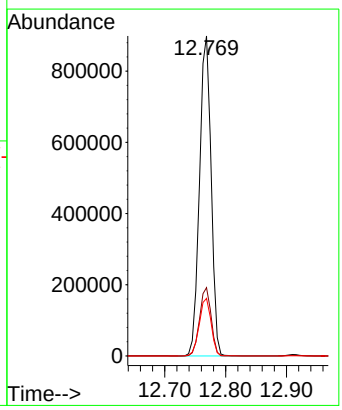
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

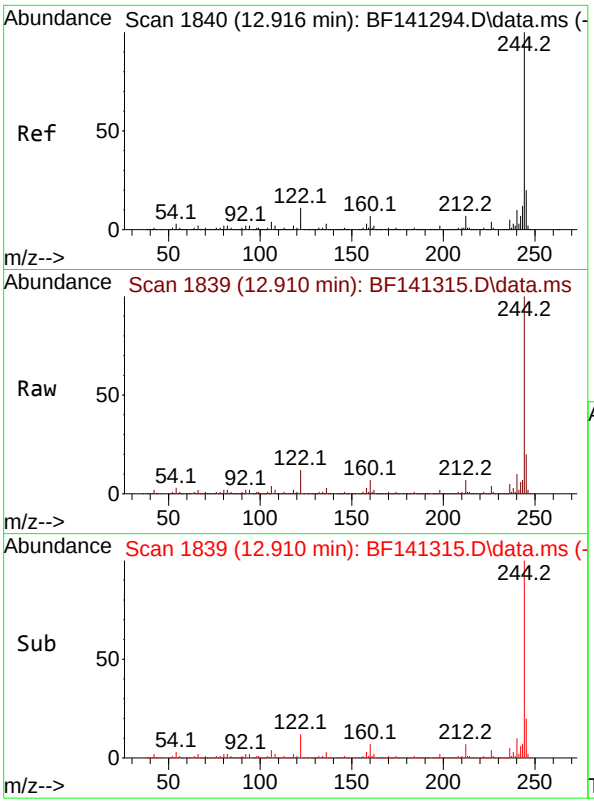


#78
Pyrene
Concen: 38.836 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

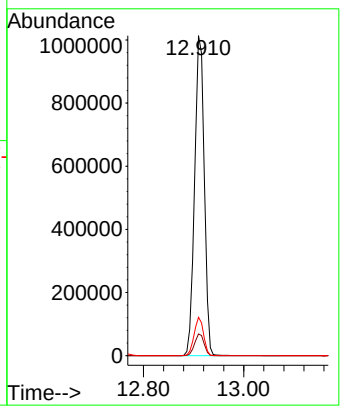




#79
Terphenyl-d14
Concen: 65.165 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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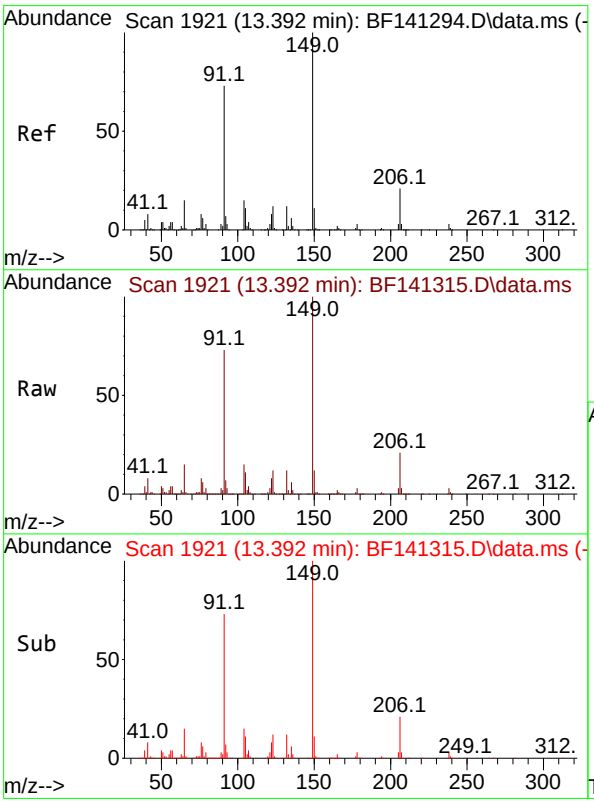
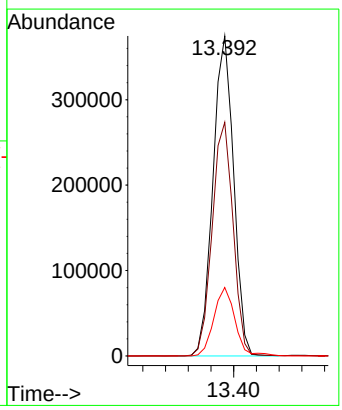
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

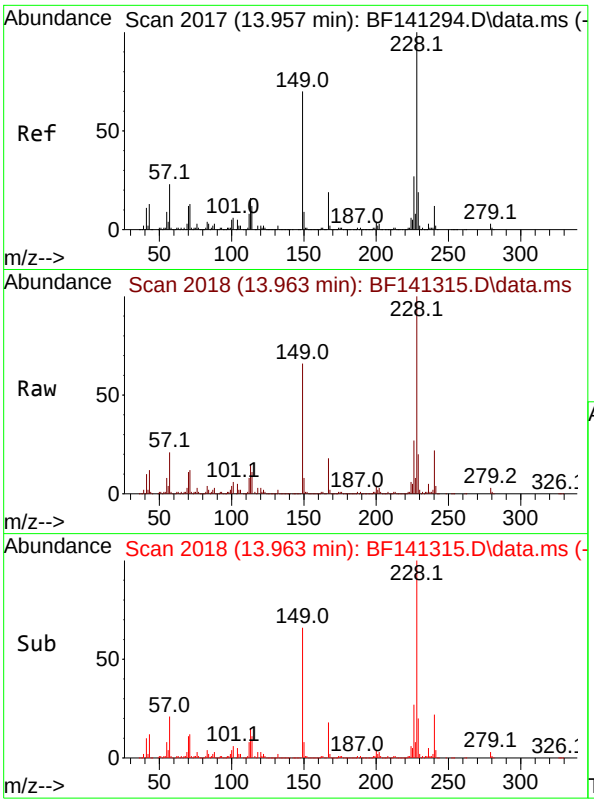


#80
Butylbenzylphthalate
Concen: 44.191 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

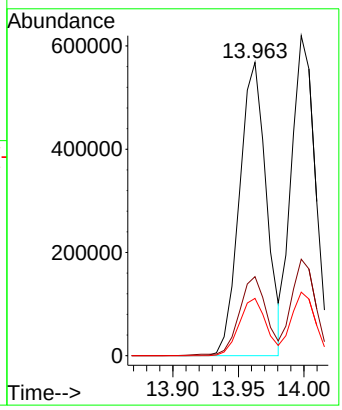




#81
Benzo(a)anthracene
Concen: 36.852 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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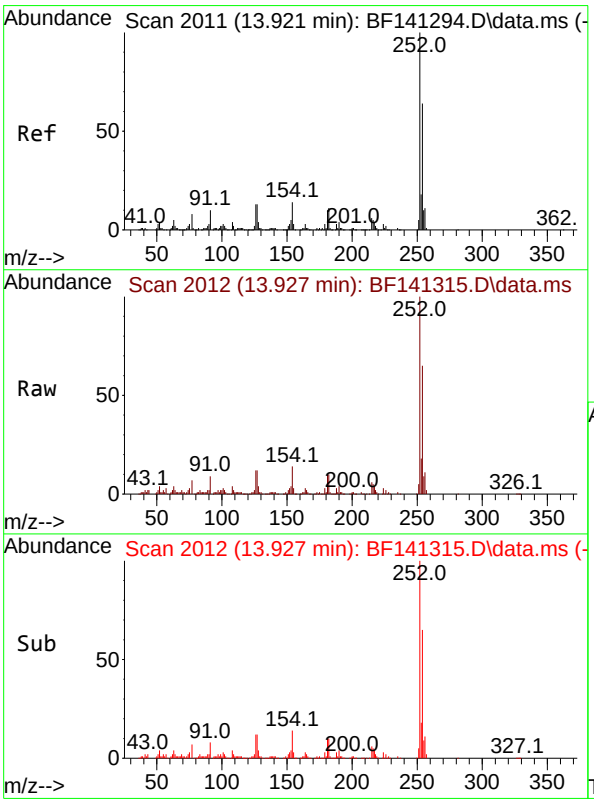
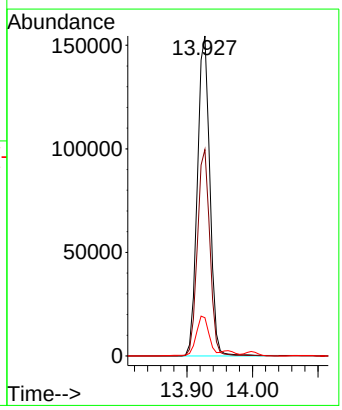
Supervised By :mohammad ahmed 01/31/2025

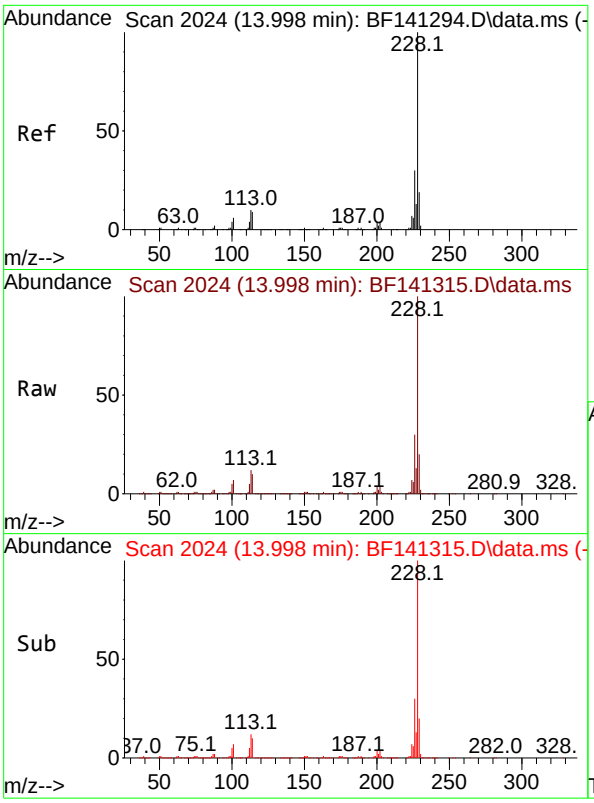


#82
3,3'-Dichlorobenzidine
Concen: 29.259 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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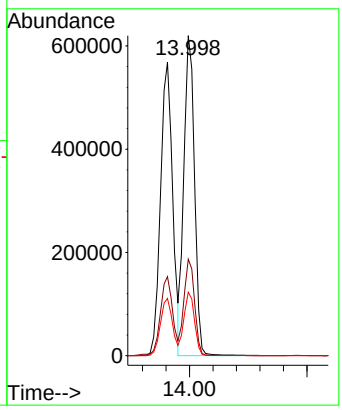
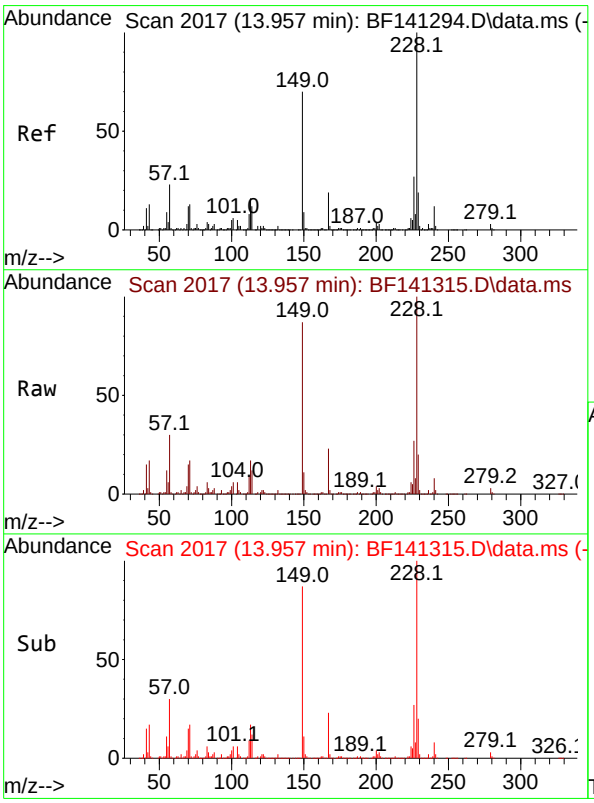
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

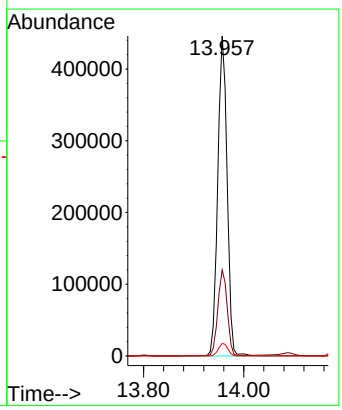


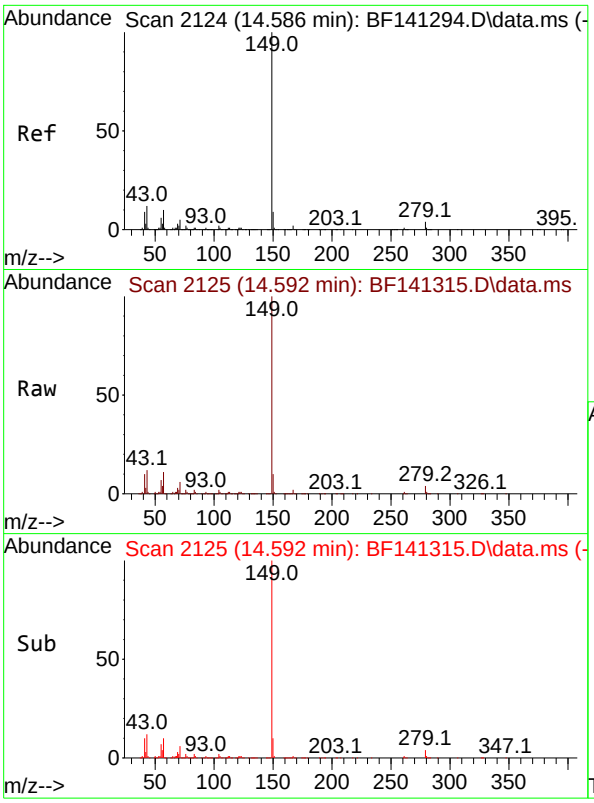


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.396 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

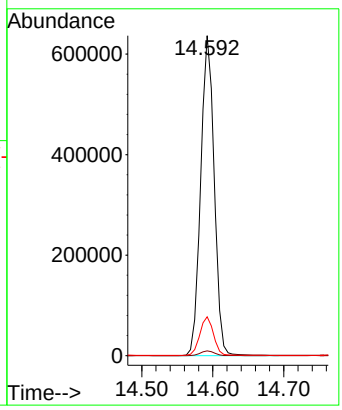




#85
Di-n-octyl phthalate
Concen: 40.068 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

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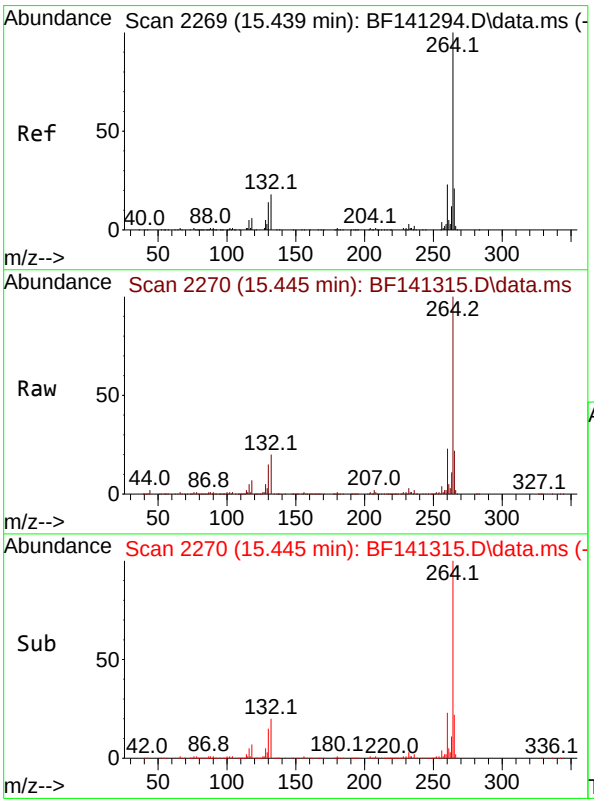
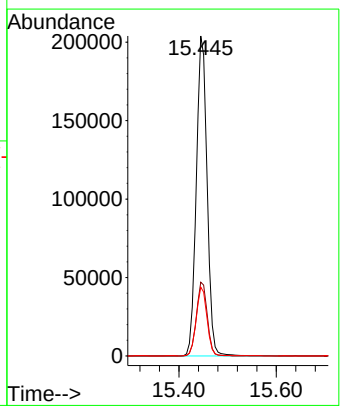
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

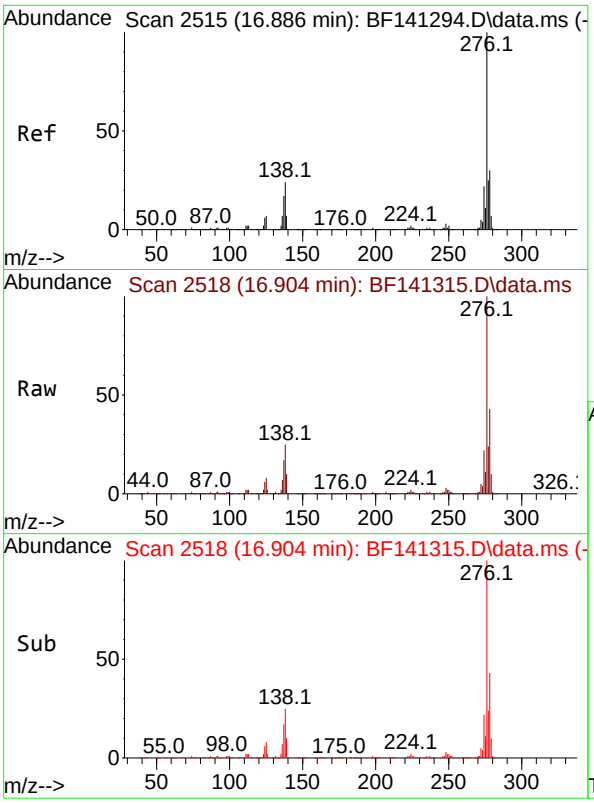


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

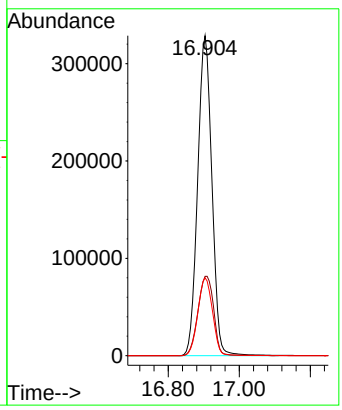




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.947 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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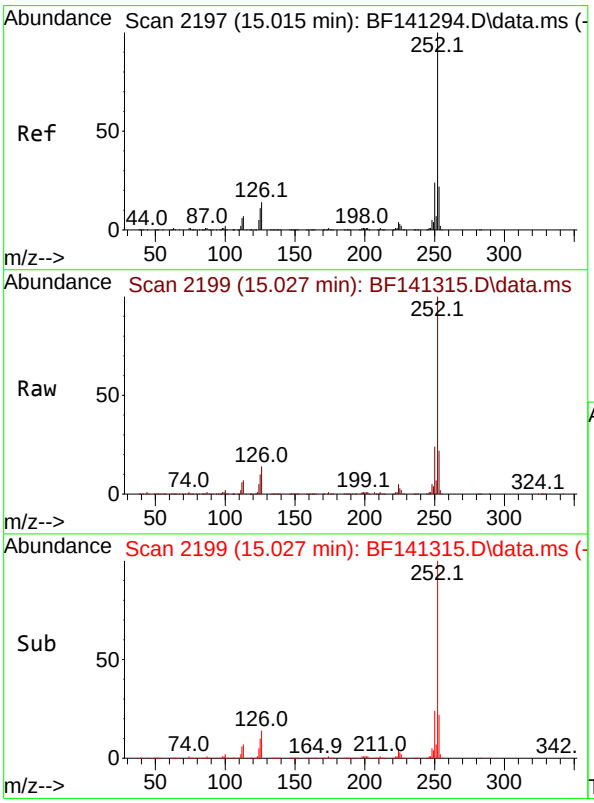
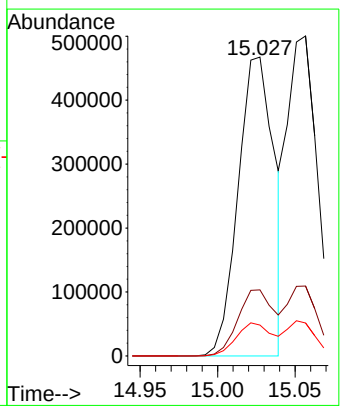
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

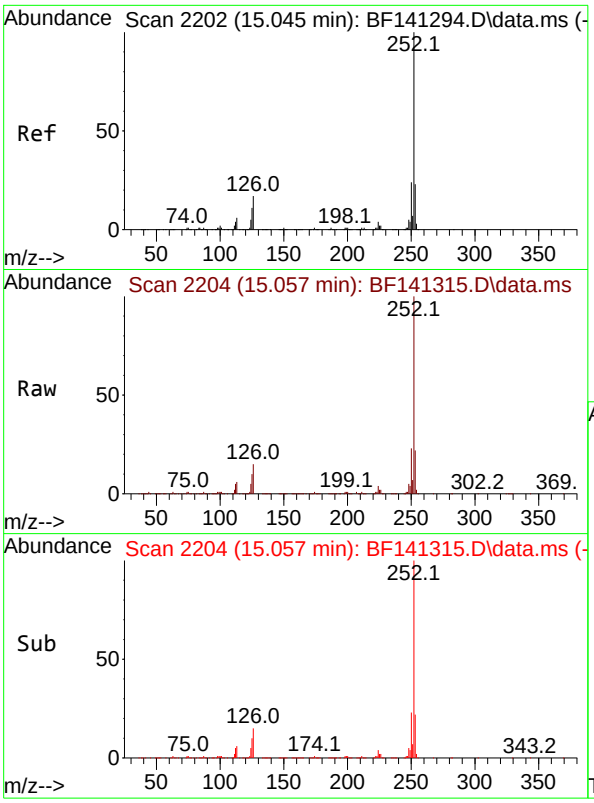


#88
Benzo(b)fluoranthene
Concen: 38.064 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

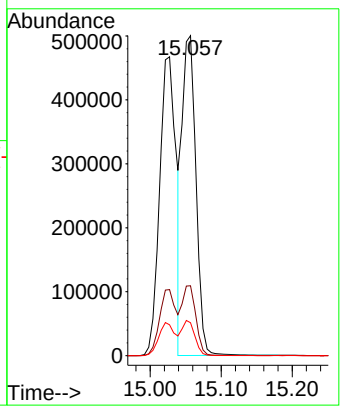




#89
Benzo(k)fluoranthene
Concen: 38.487 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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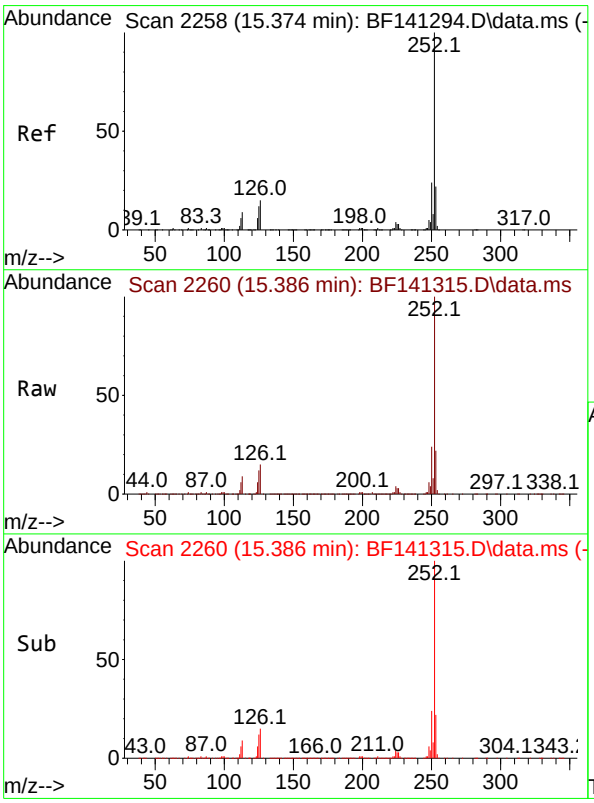
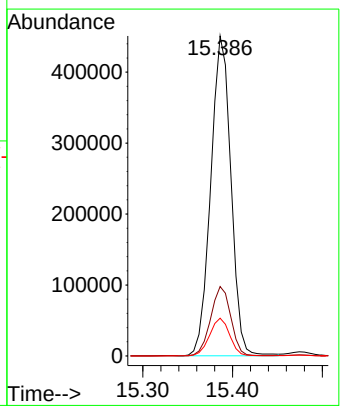
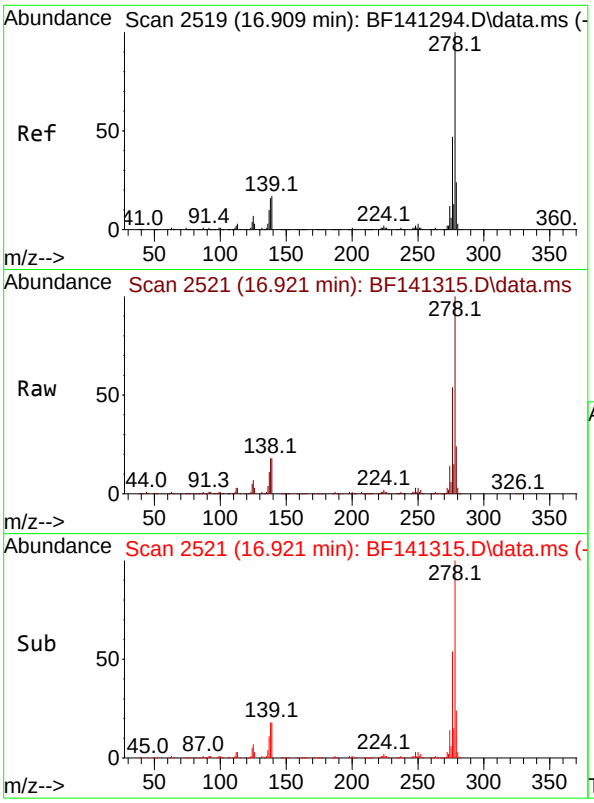


#90
Benzo(a)pyrene
Concen: 41.949 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

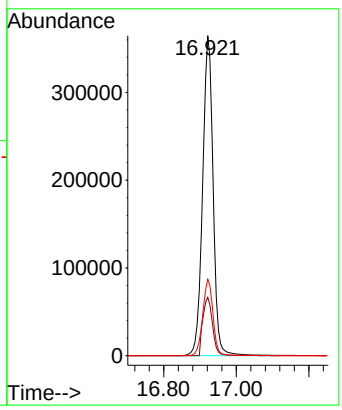




#91
Dibenzo(a,h)anthracene
Concen: 44.710 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

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

Manual Integrations
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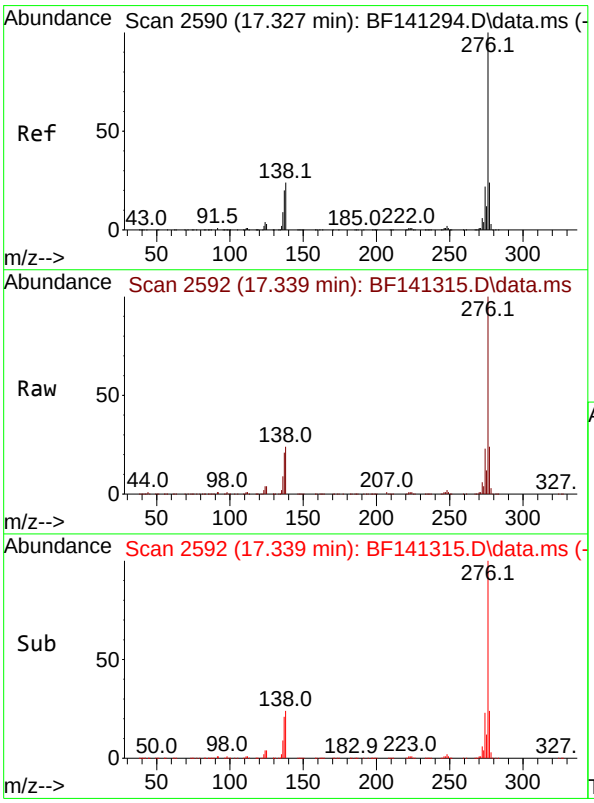
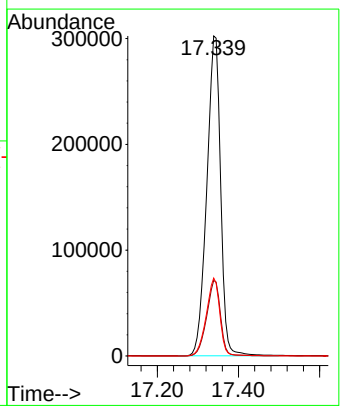
Supervised By :mohammad ahmed 01/31/2025



#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



Raw Data: **BF141316.D**

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.:	Q1206
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

Raw Data: **BF141316.D**

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.:	Q1206
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

Raw Data: **BF141316.D**

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.:	Q1206
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

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

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

	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

Sample Results: **BF141316.D**

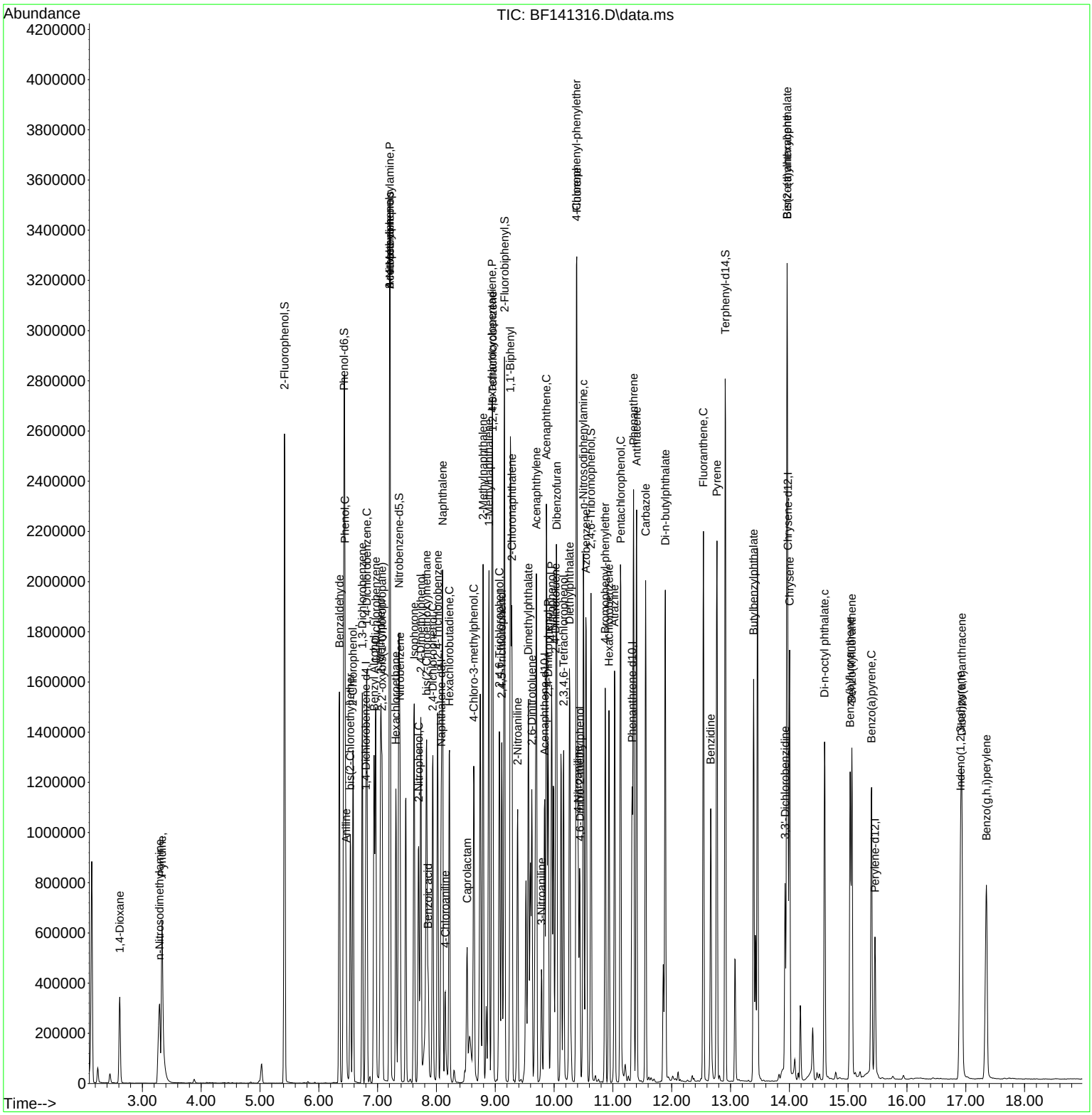
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141316.D
Acq On : 30 Jan 2025 16:30
Operator : RC/JU
Sample : Q1209-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

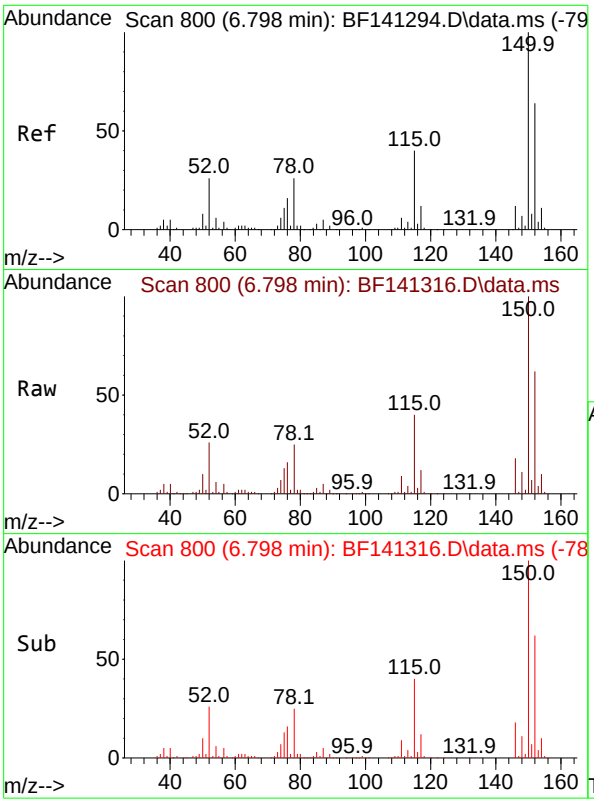
Quant Time: Jan 30 17:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

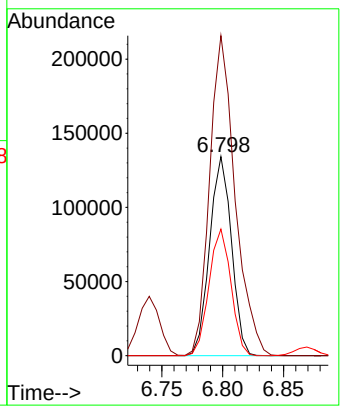




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:152 Resp: 16742

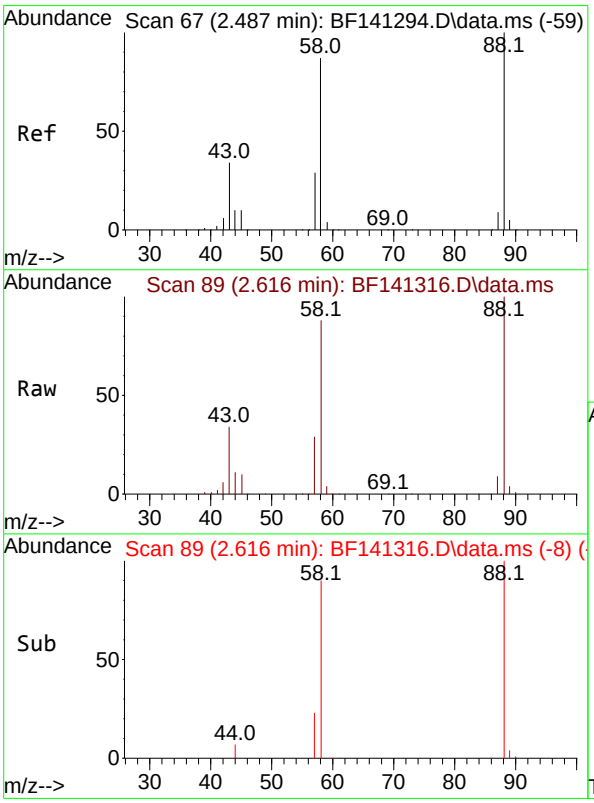
Ion	Ratio	Lower	Upper
152	100		
150	160.8	125.9	188.9
115	63.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations
APPROVED

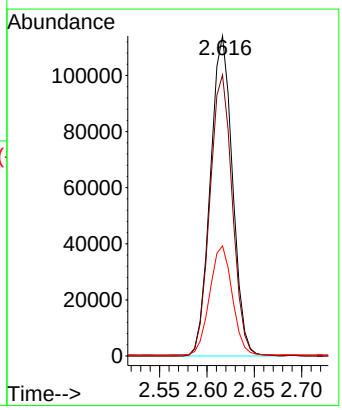
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

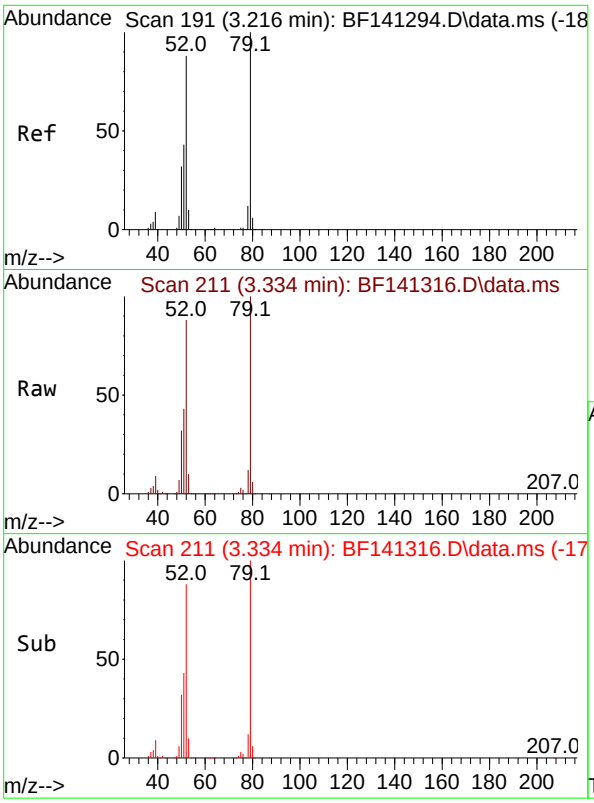


#2
1,4-Dioxane
Concen: 38.666 ng
RT: 2.616 min Scan# 89
Delta R.T. 0.124 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

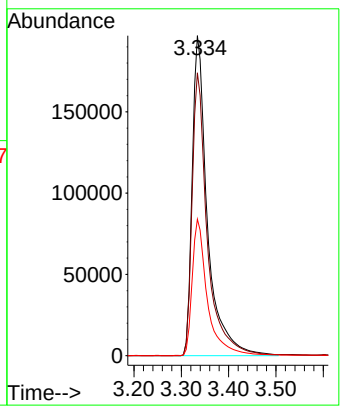




#3
Pyridine
Concen: 38.248 ng
RT: 3.334 min Scan# 2
Delta R.T. 0.106 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 79 Resp: 44199

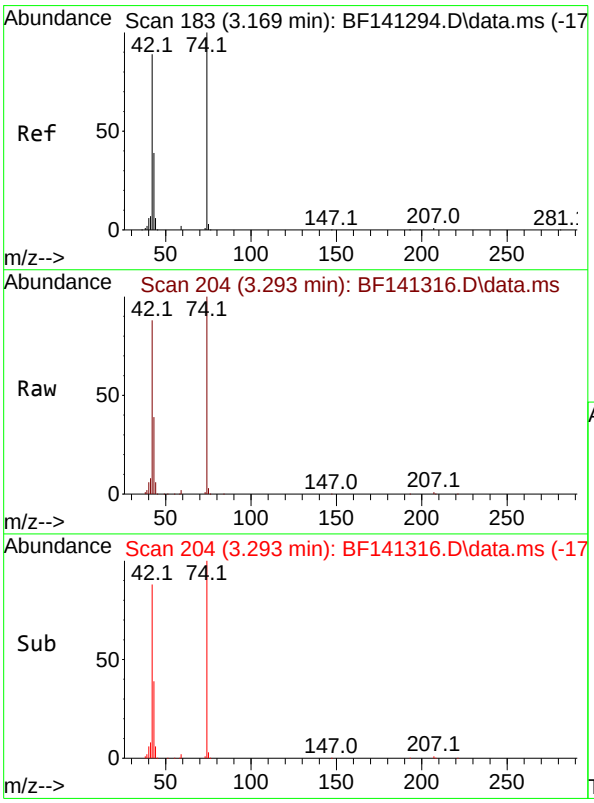
Ion	Ratio	Lower	Upper
79	100		
52	88.4	70.3	105.5
51	42.7	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations
APPROVED

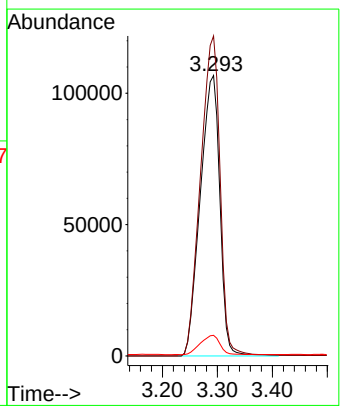
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

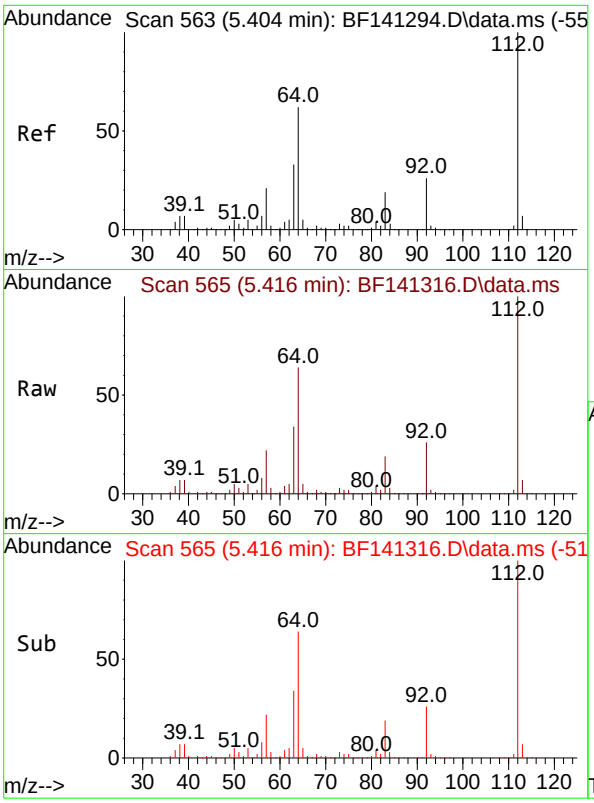


#4
n-Nitrosodimethylamine
Concen: 40.049 ng
RT: 3.293 min Scan# 204
Delta R.T. 0.094 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

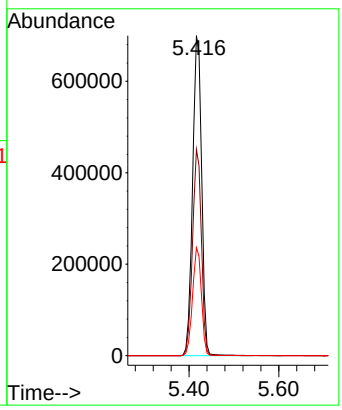




#5
2-Fluorophenol
Concen: 89.741 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
BNA_F
ClientSampleId :
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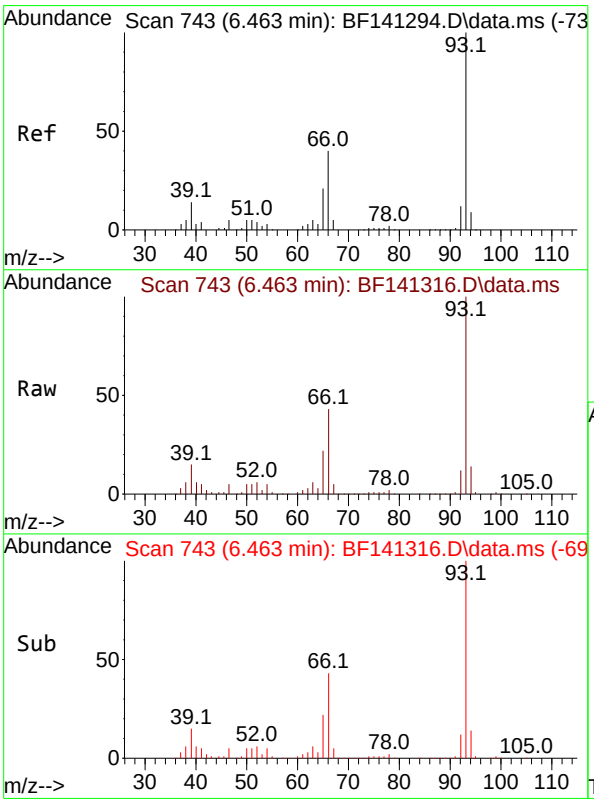
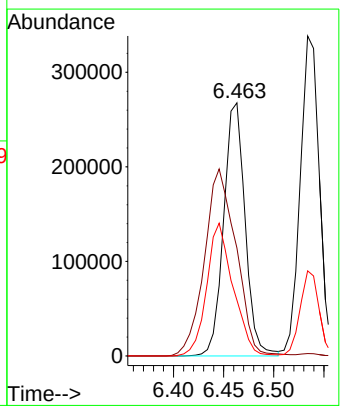
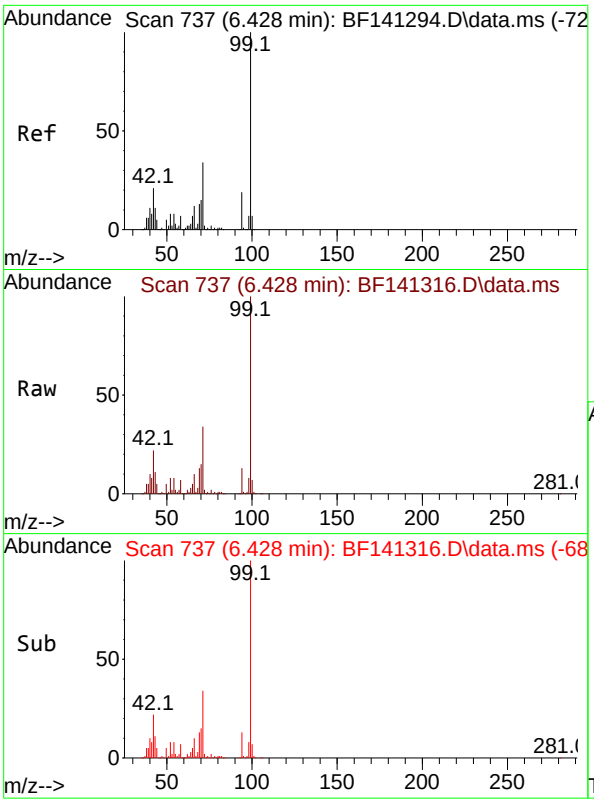


#6
Aniline
Concen: 33.990 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

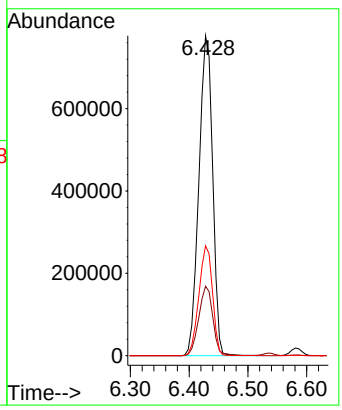




#7
Phenol-d6
Concen: 90.901 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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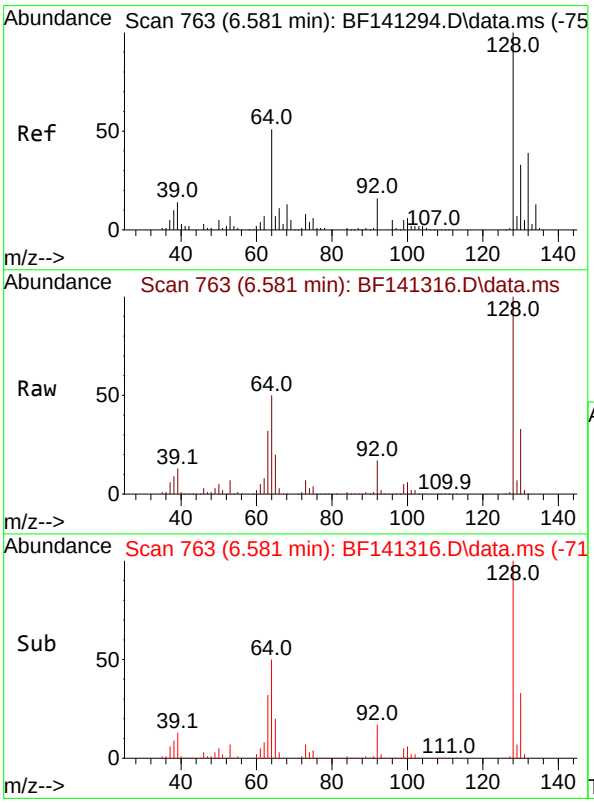
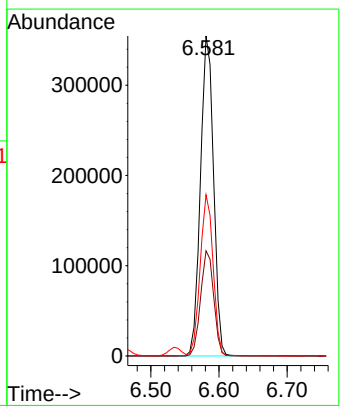
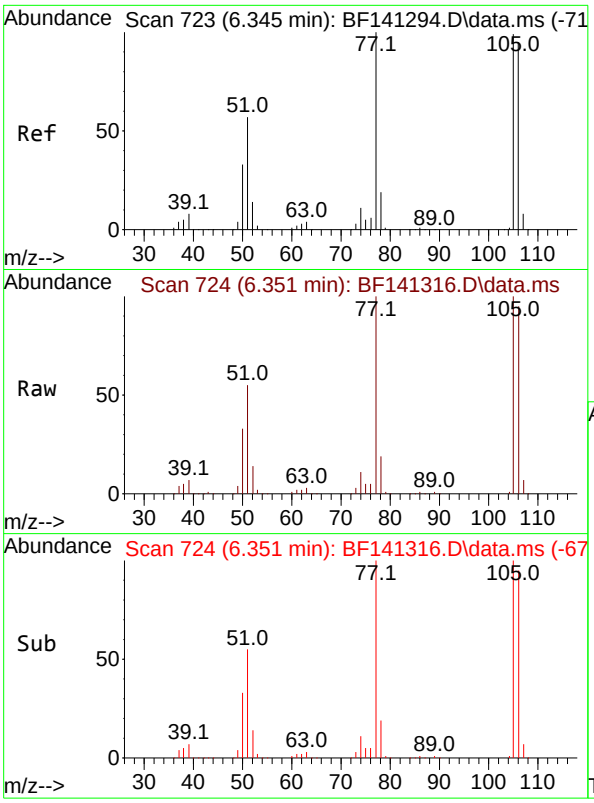


#8
2-Chlorophenol
Concen: 40.629 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

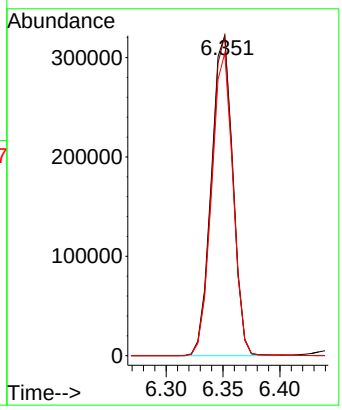




#9
Benzaldehyde
Concen: 52.587 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
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ClientSampleId :
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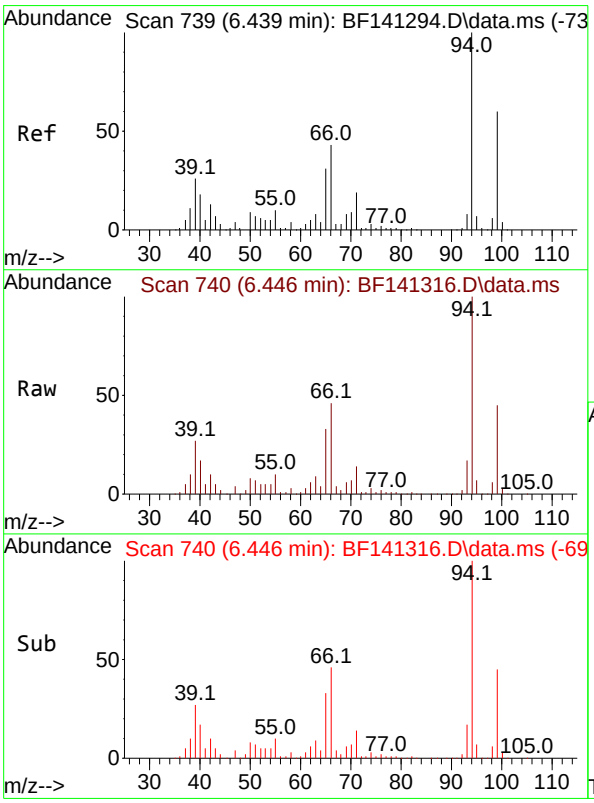
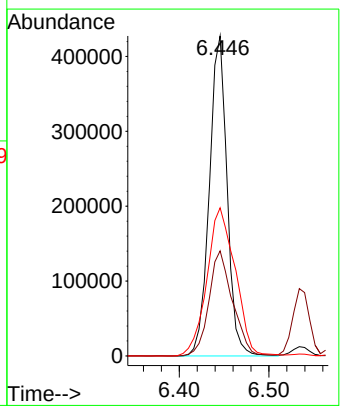
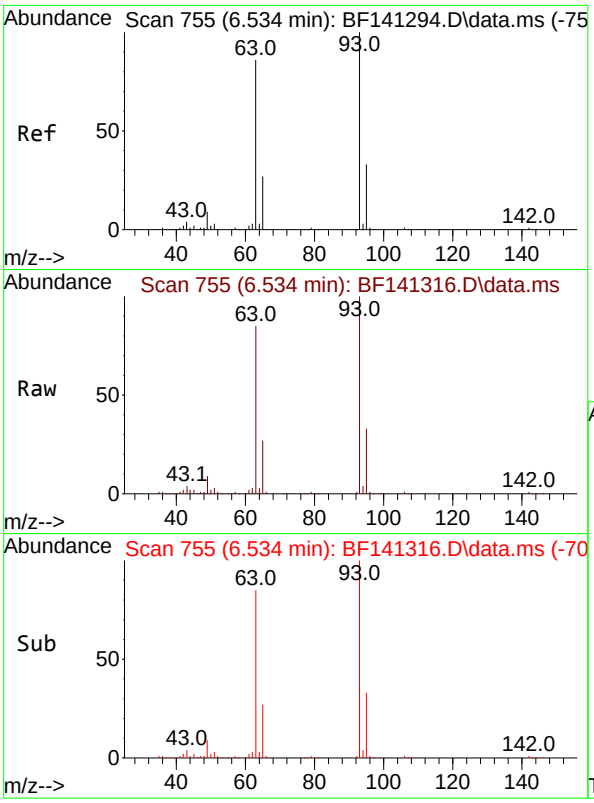


#10
Phenol
Concen: 39.999 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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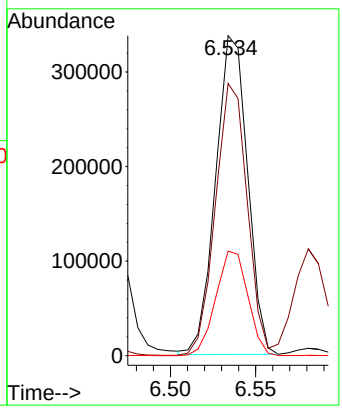
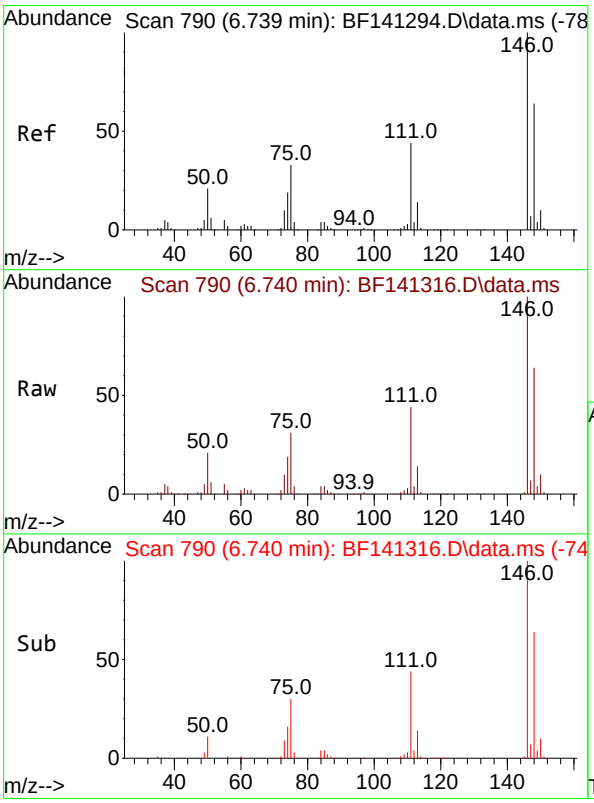
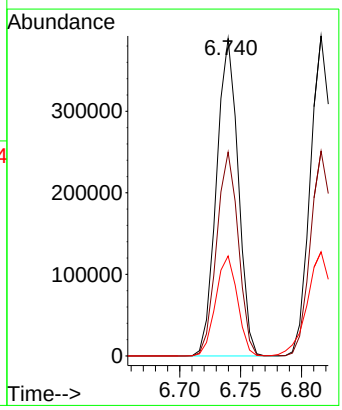


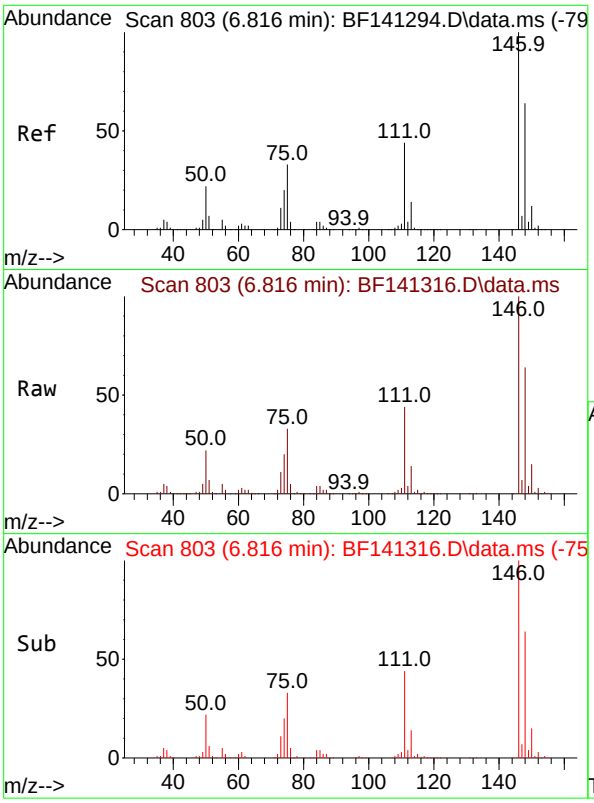


#12
1,3-Dichlorobenzene
Concen: 37.481 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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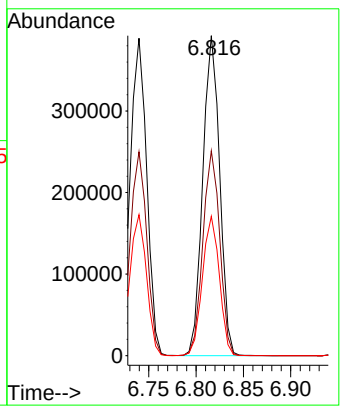
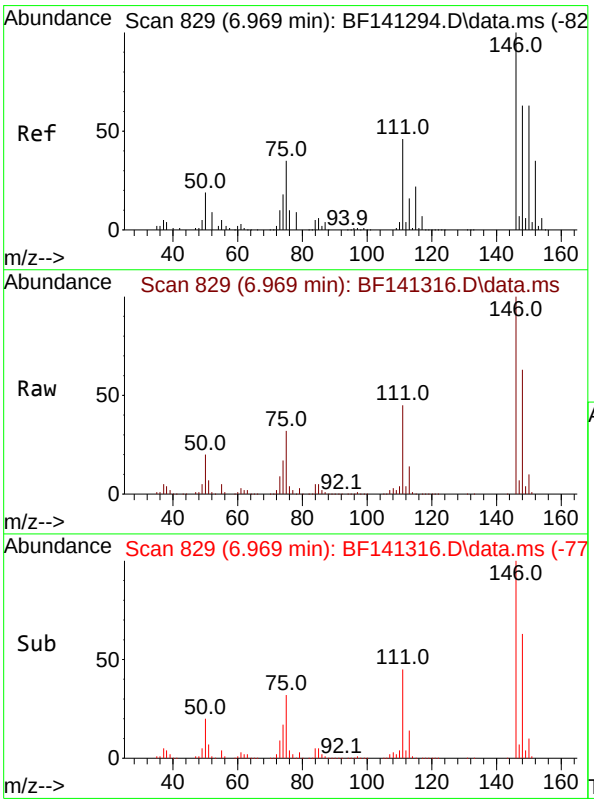
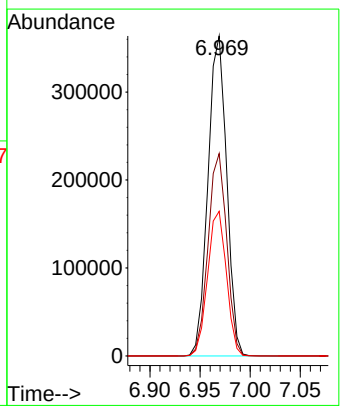


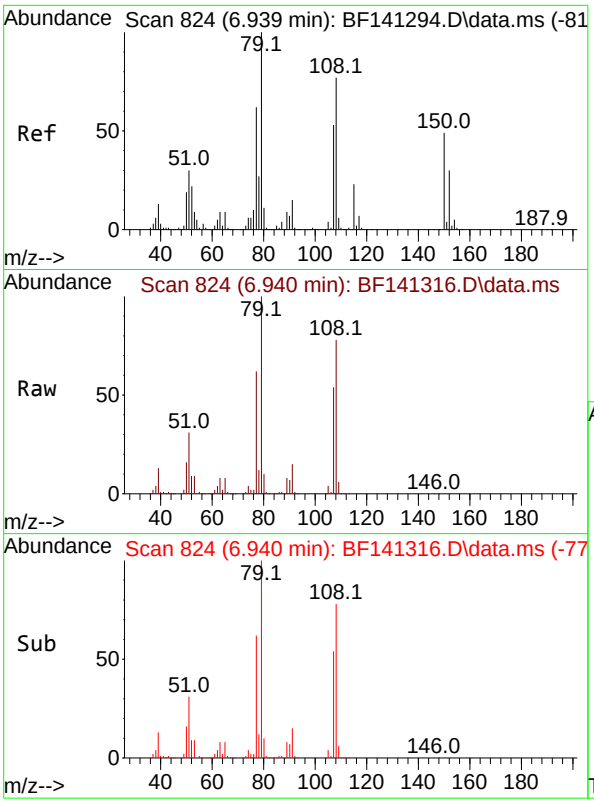


#14
1,2-Dichlorobenzene
Concen: 39.020 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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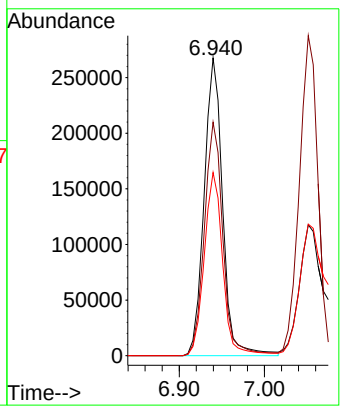
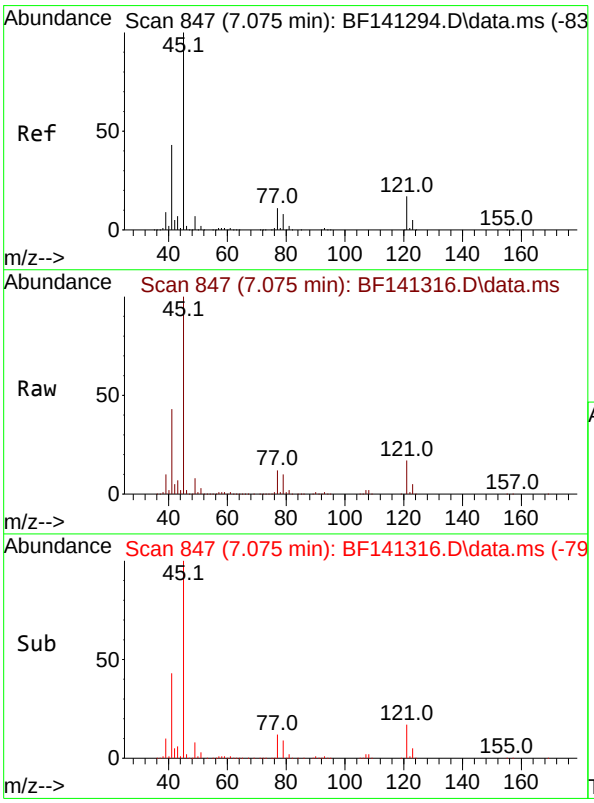
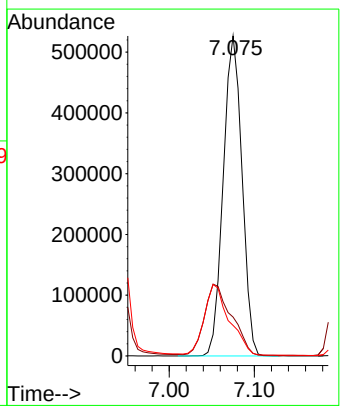


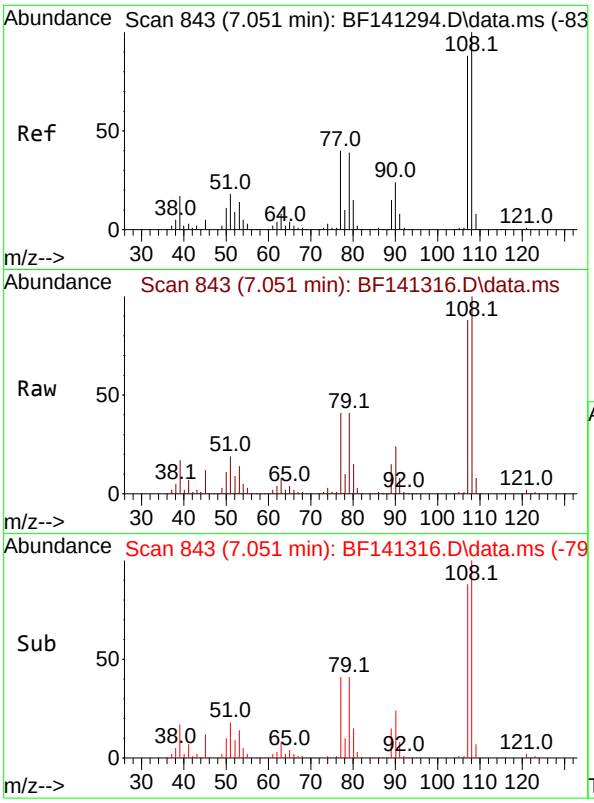


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.033 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

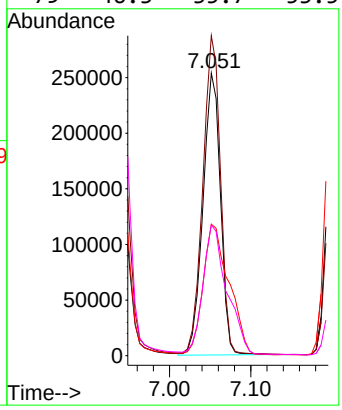




#17
2-Methylphenol
Concen: 39.930 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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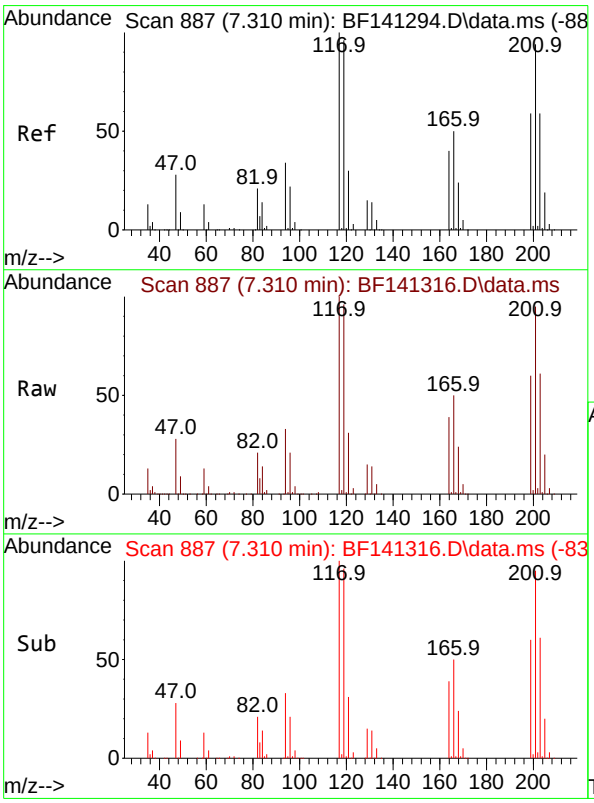
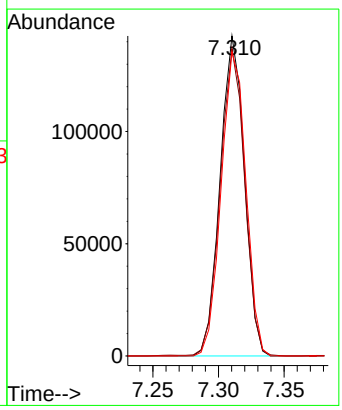
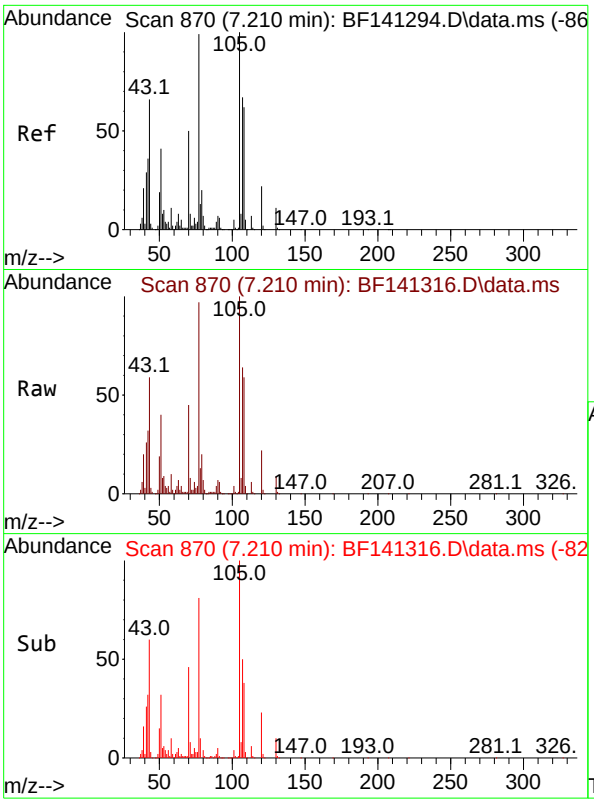


#18
Hexachloroethane
Concen: 38.504 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

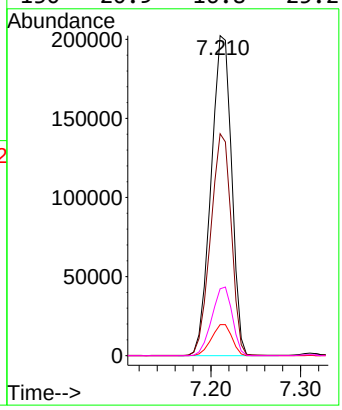




#19
n-Nitroso-di-n-propylamine
Concen: 39.055 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
BNA_F
ClientSampleId :
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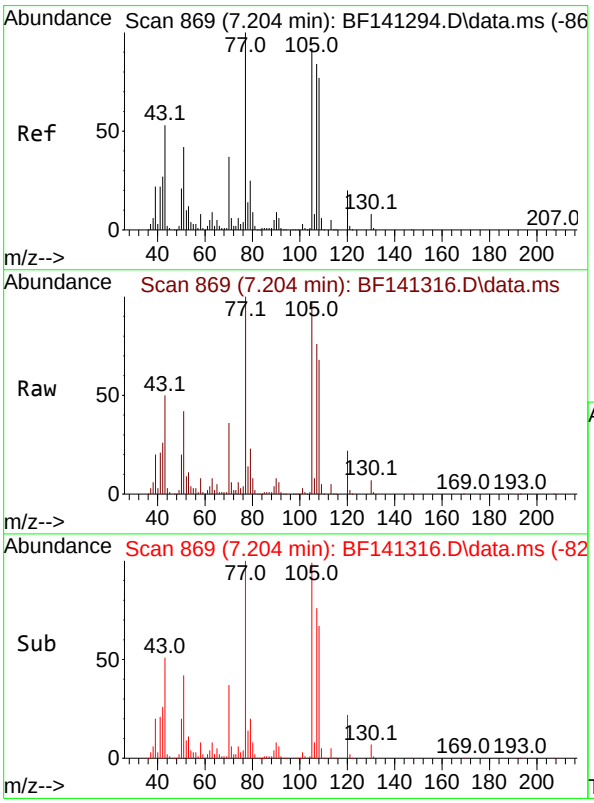
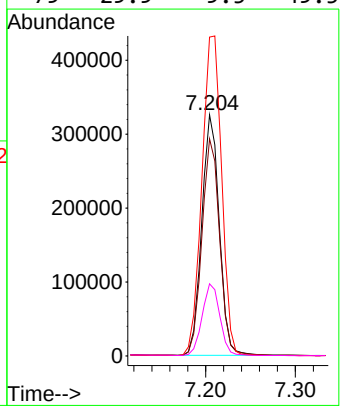
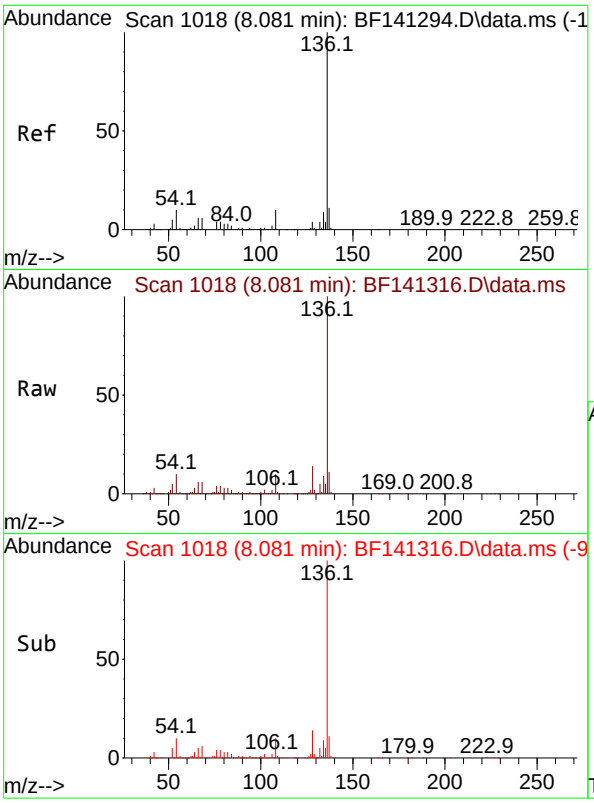


#20
3+4-Methylphenols
Concen: 37.812 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

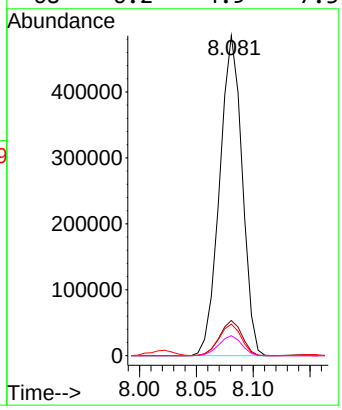




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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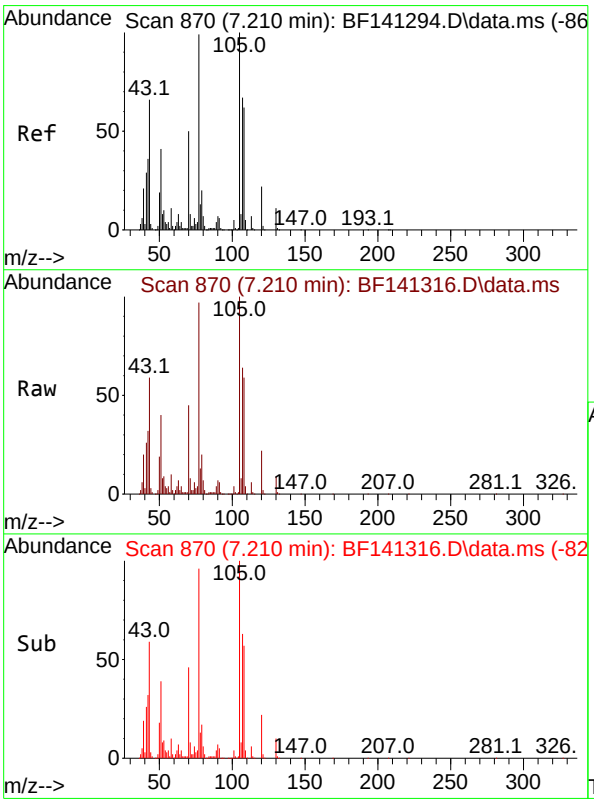
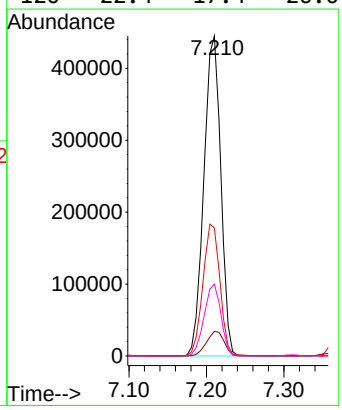
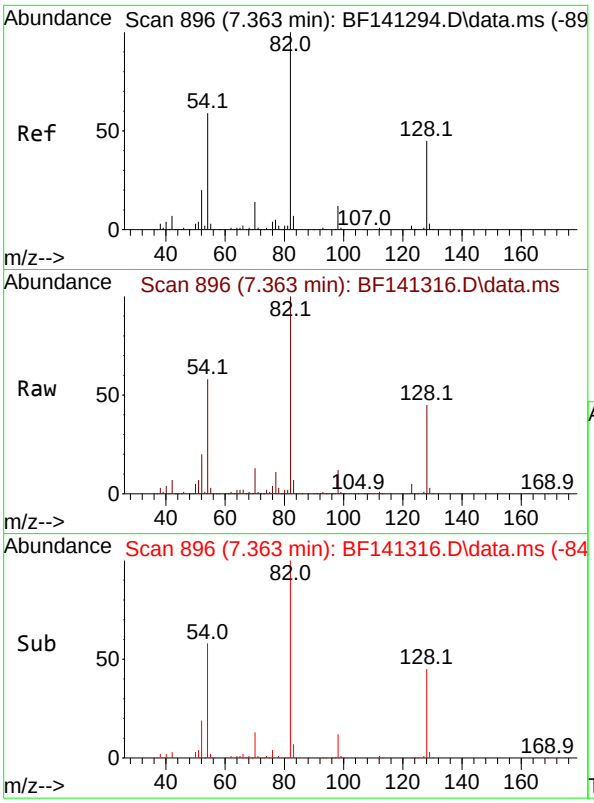


#22
Acetophenone
Concen: 42.347 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

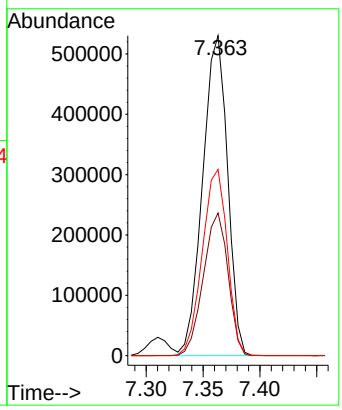




#23
Nitrobenzene-d5
Concen: 63.320 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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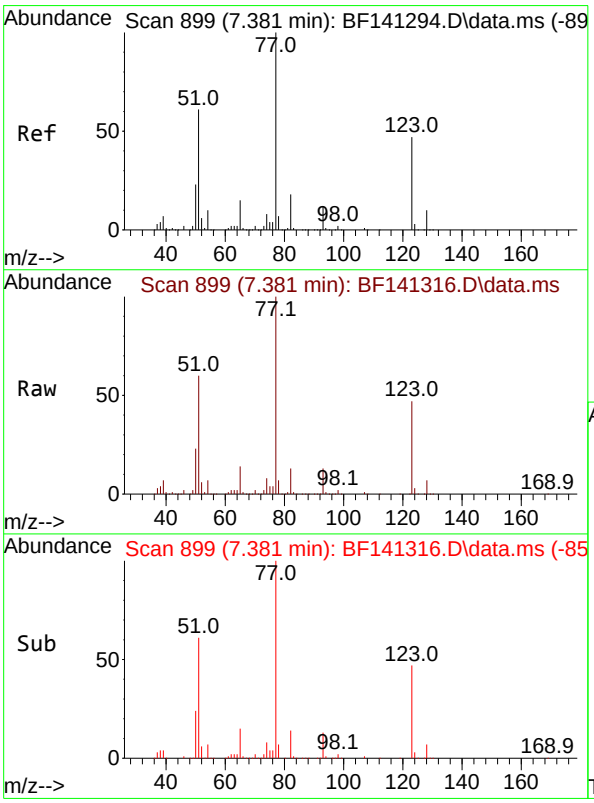
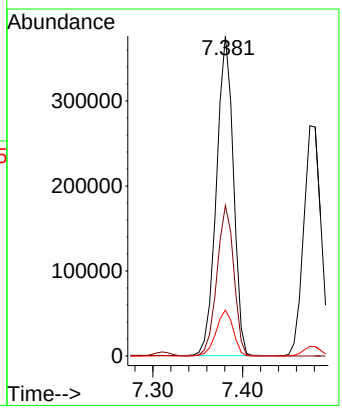
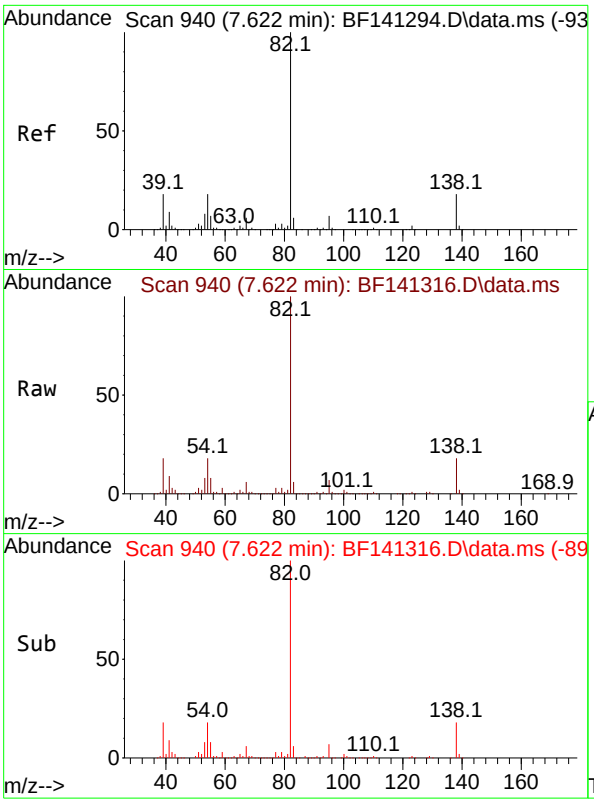


#24
Nitrobenzene
Concen: 37.322 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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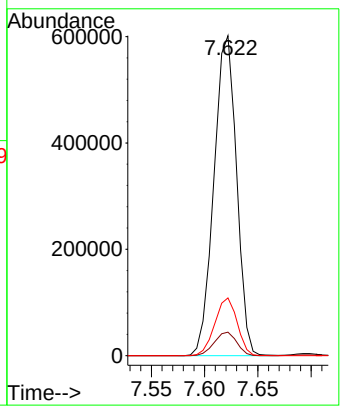
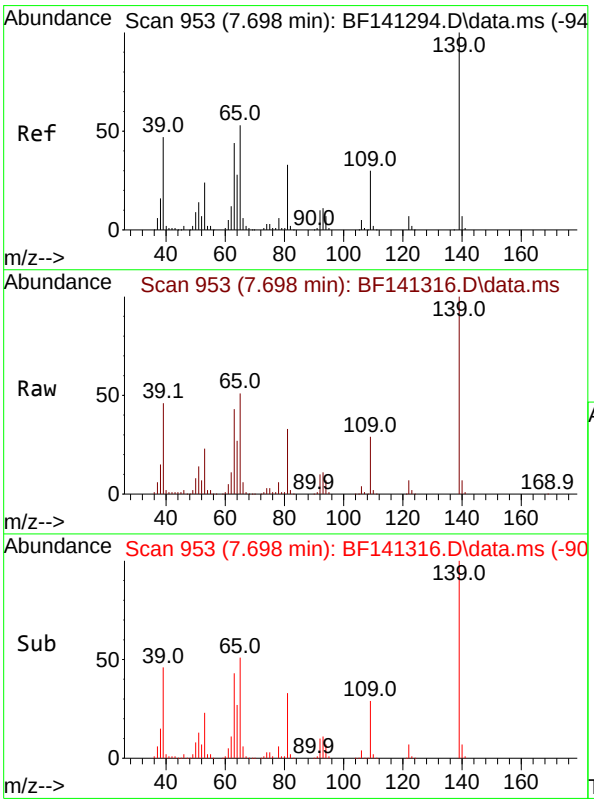
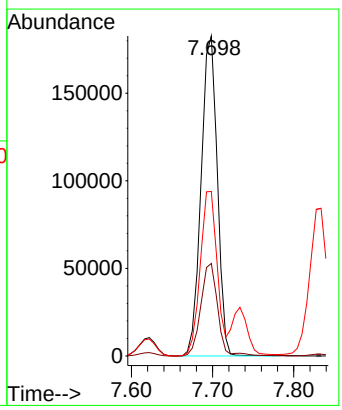


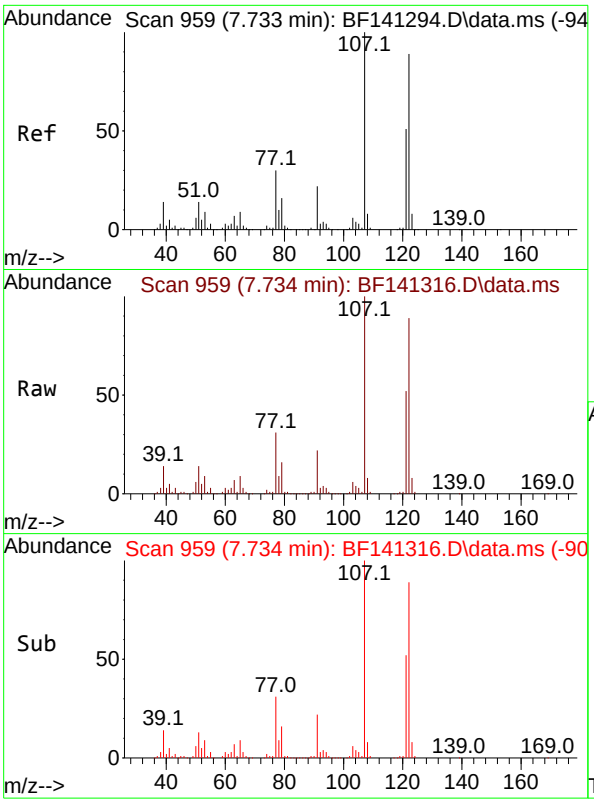


#26
2-Nitrophenol
Concen: 40.757 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
BNA_F
ClientSampleId :
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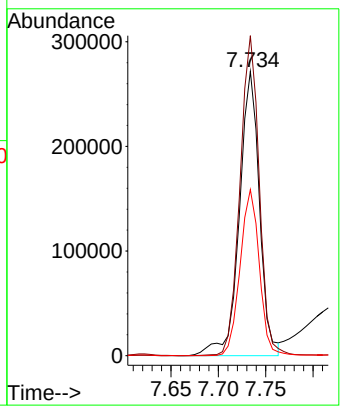
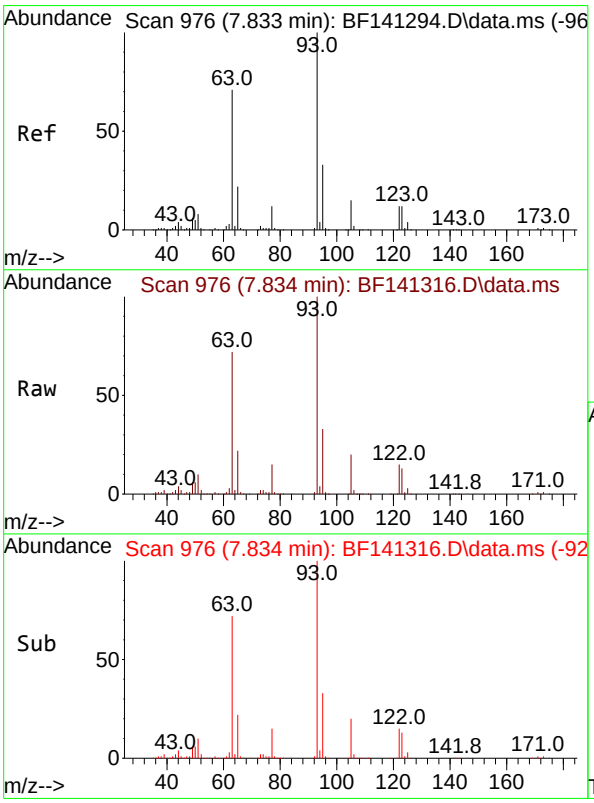
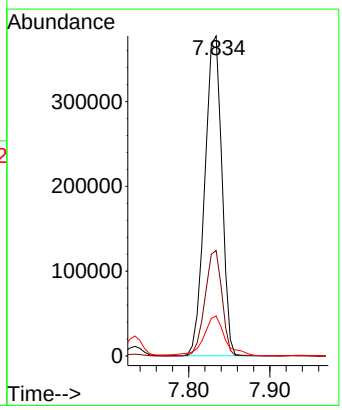


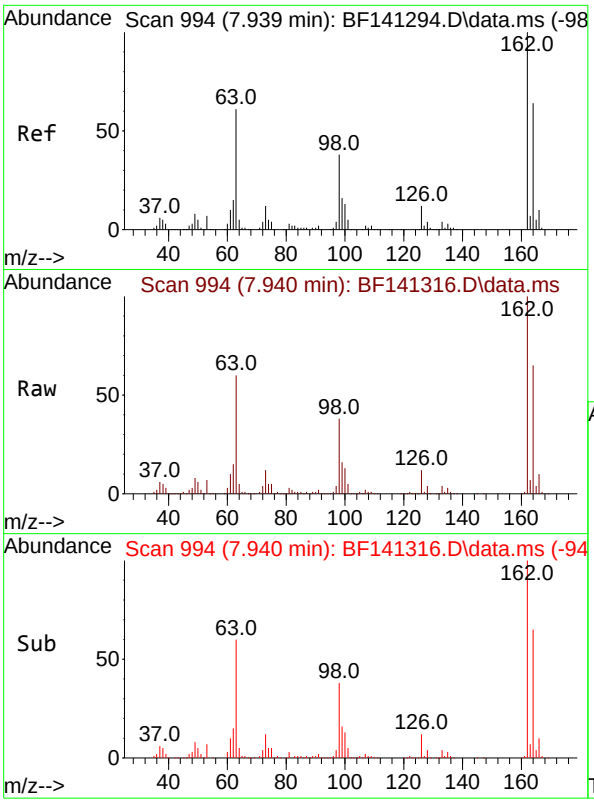


#28
bis(2-Chloroethoxy)methane
Concen: 39.196 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

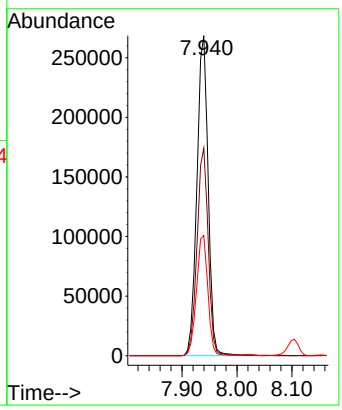




#29
2,4-Dichlorophenol
Concen: 39.479 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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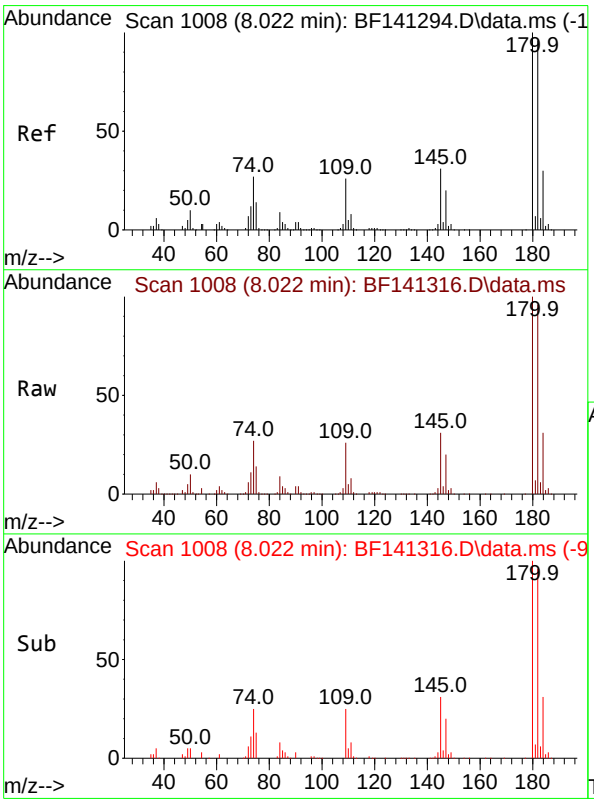
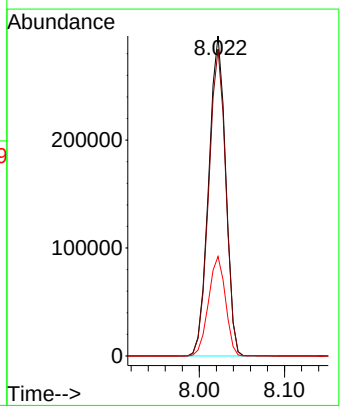
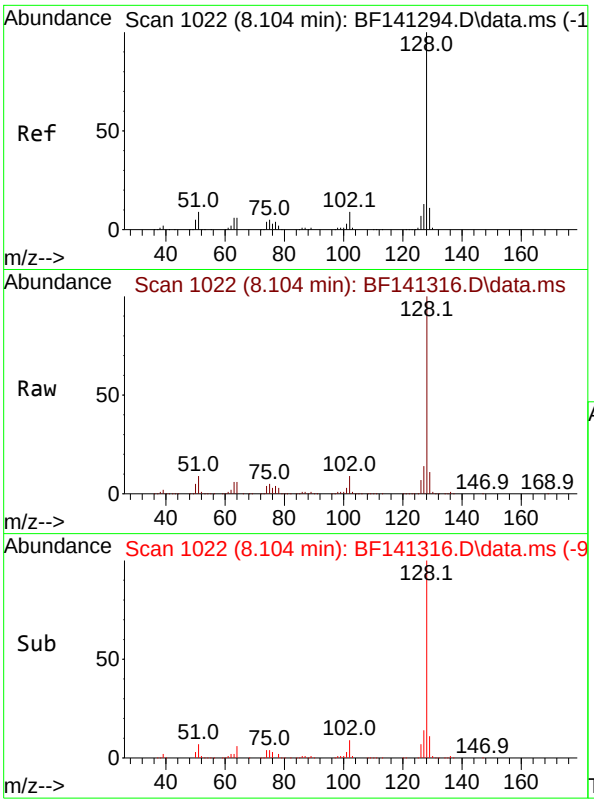


#30
1,2,4-Trichlorobenzene
Concen: 37.119 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

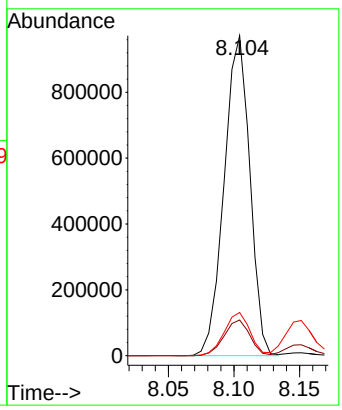




#31
Naphthalene
Concen: 37.362 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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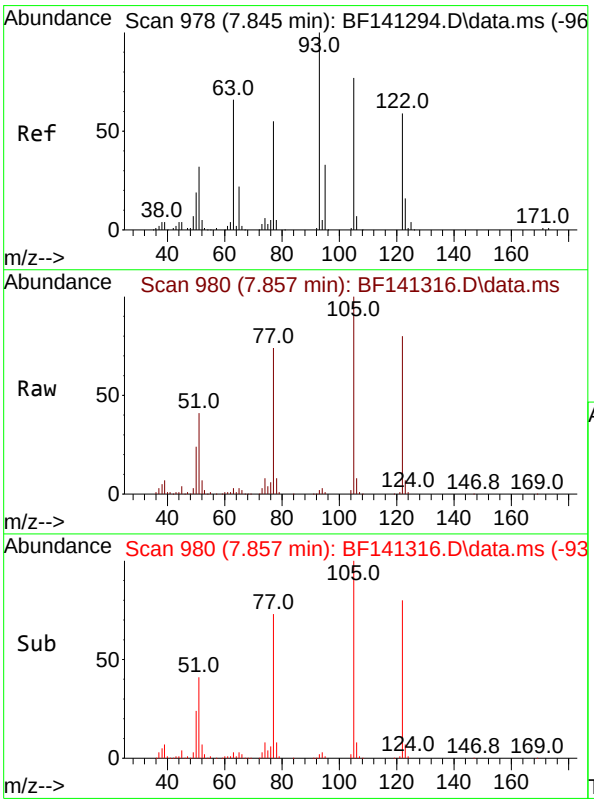
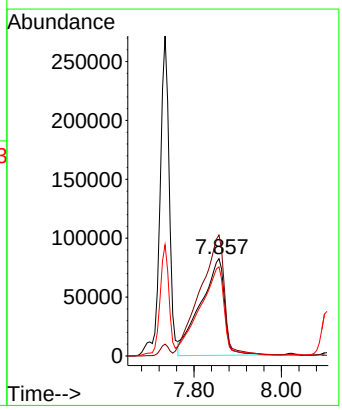
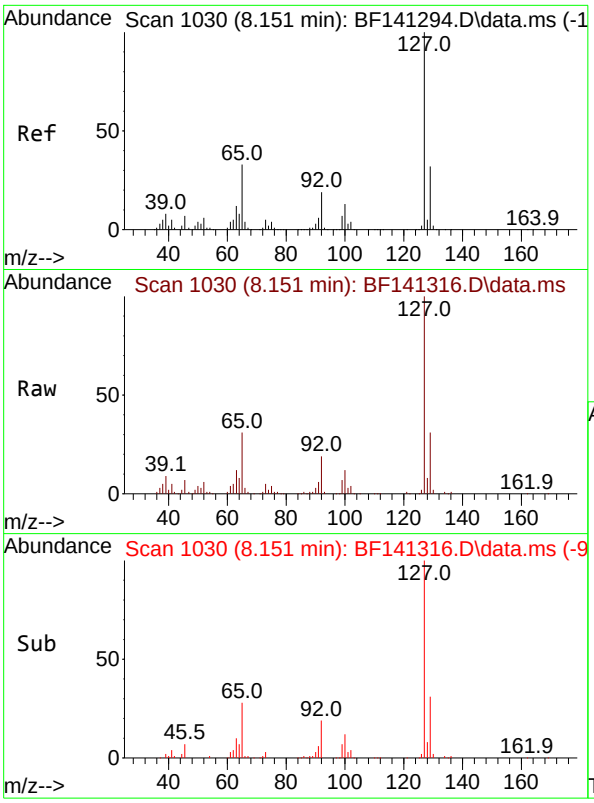


#32
Benzoic acid
Concen: 43.403 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

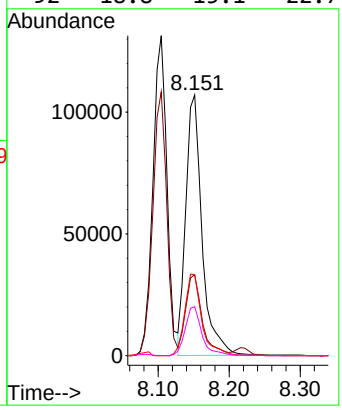




#33
4-Chloroaniline
Concen: 14.172 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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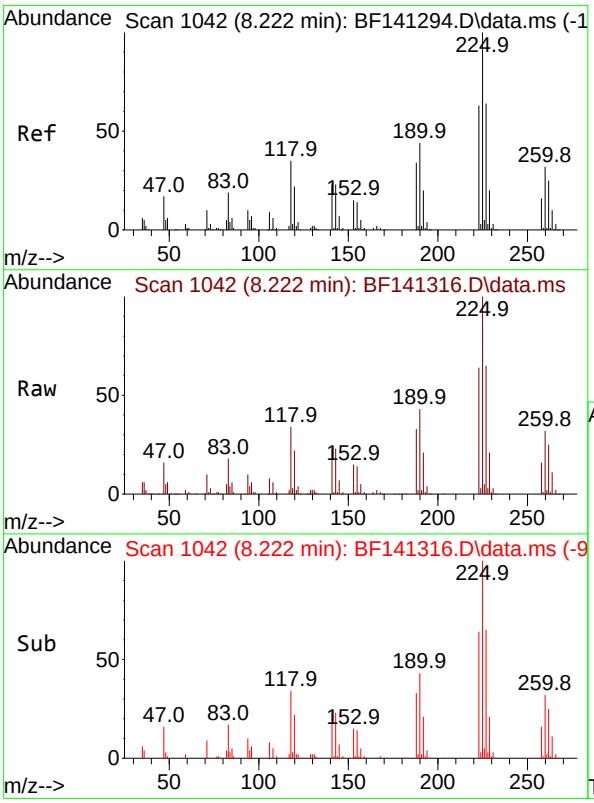
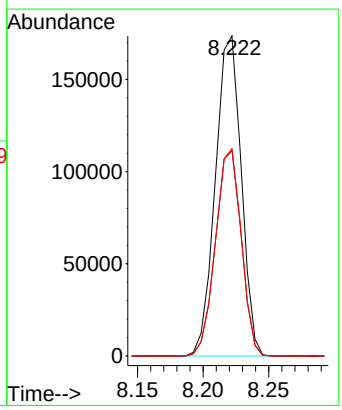
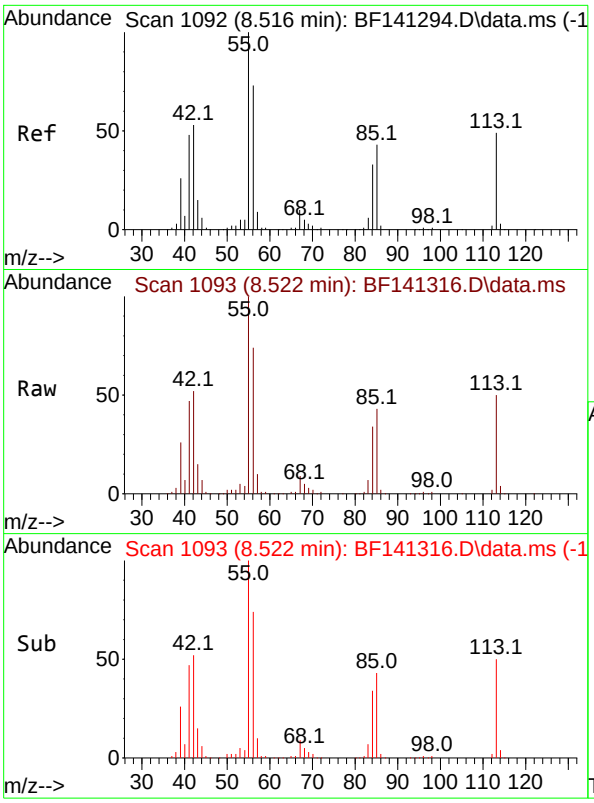


#34
Hexachlorobutadiene
Concen: 36.708 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

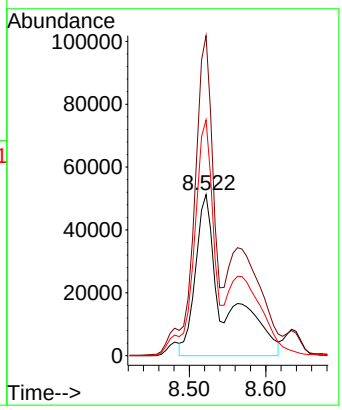




#35
Caprolactam
Concen: 43.013 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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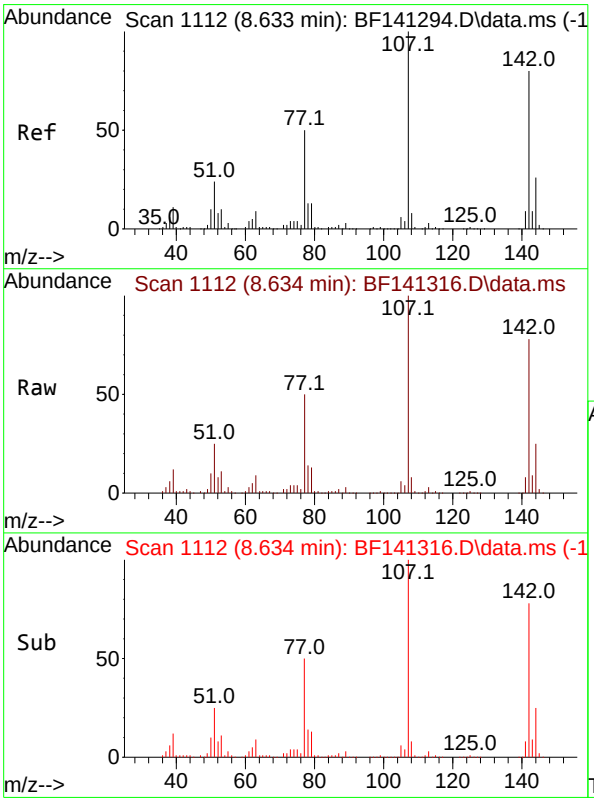
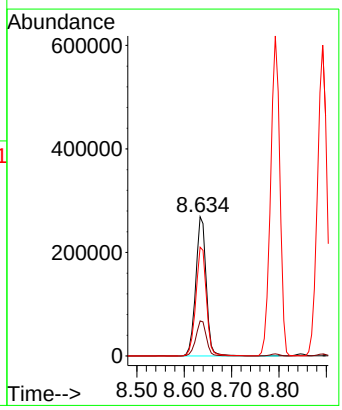
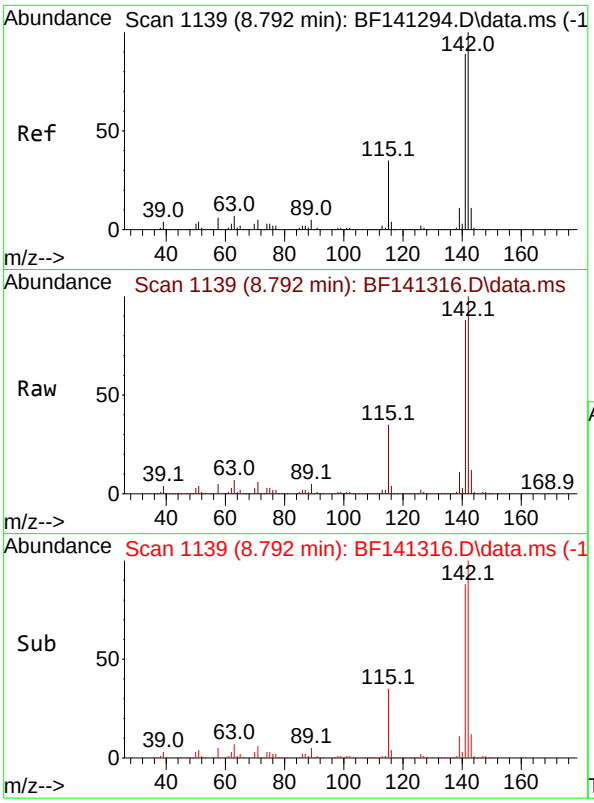


#36
4-Chloro-3-methylphenol
Concen: 39.912 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
WC-5MSD

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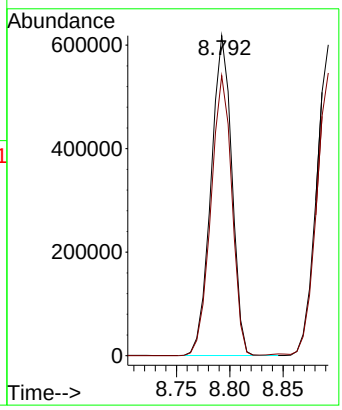
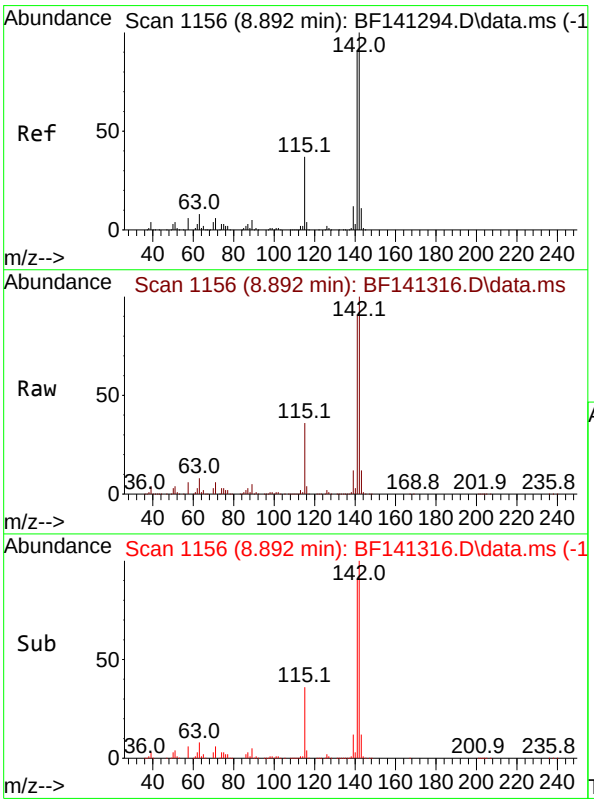
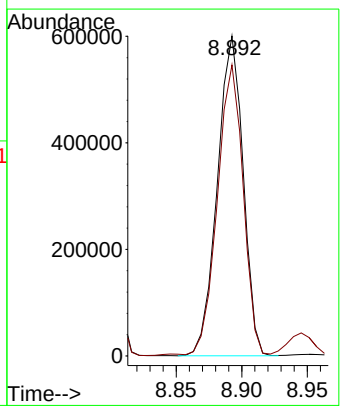


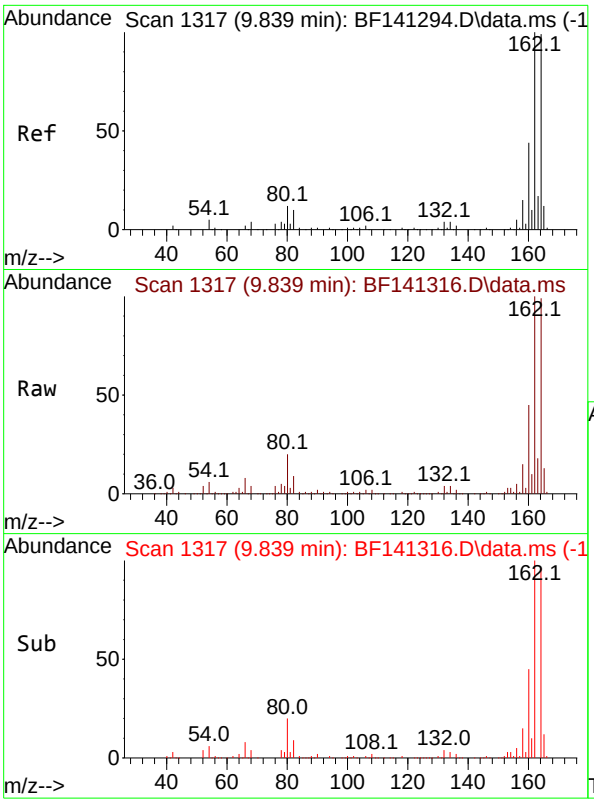


#38
1-Methylnaphthalene
Concen: 37.106 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:142 Resp: 820539

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.2	109.8

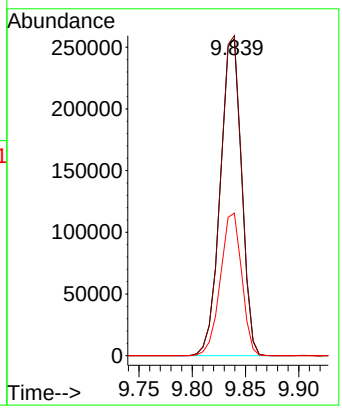




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
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ClientSampleId :
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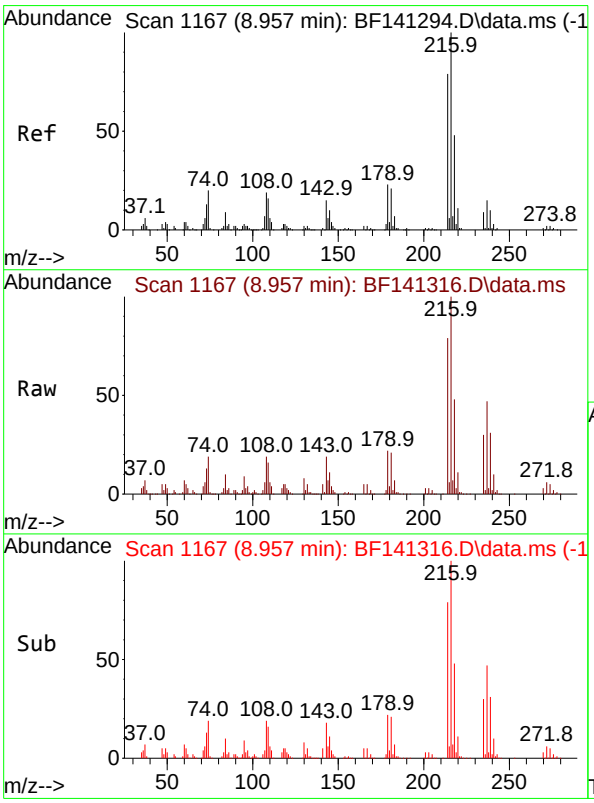
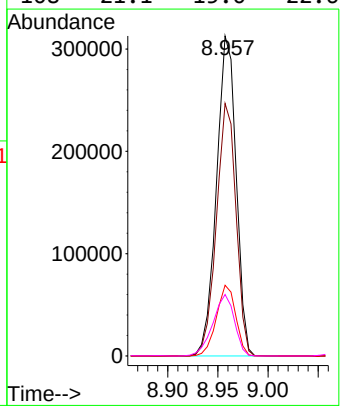
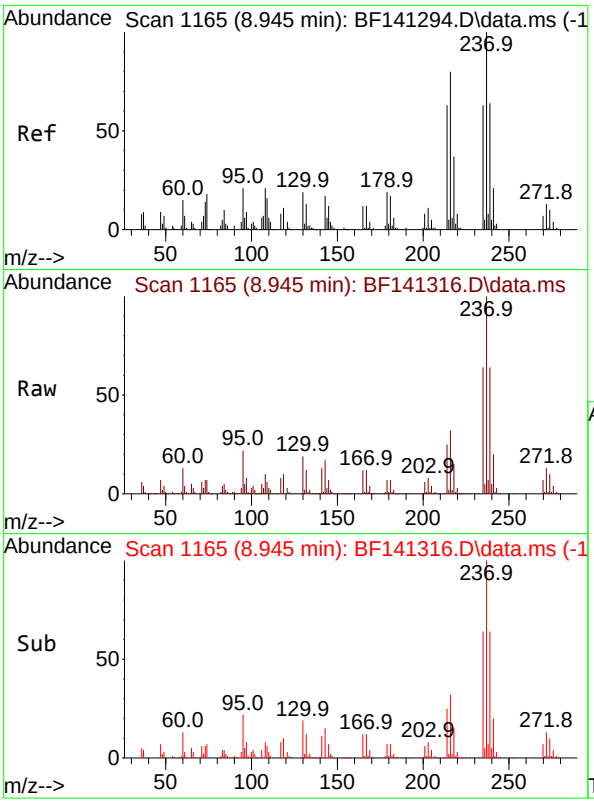


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.890 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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# 11
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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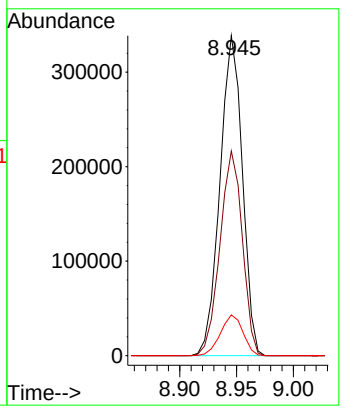
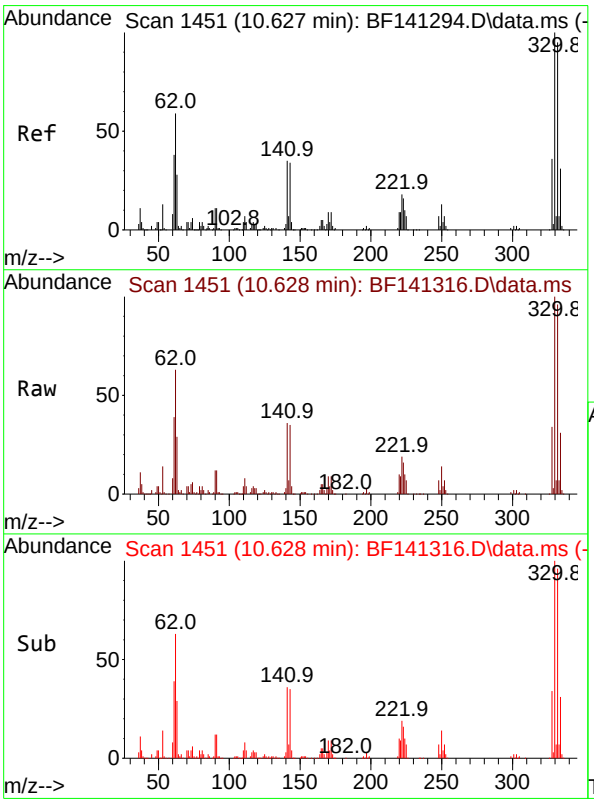
Supervised By :mohammad ahmed 01/31/2025

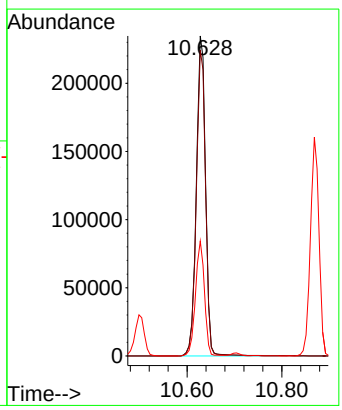


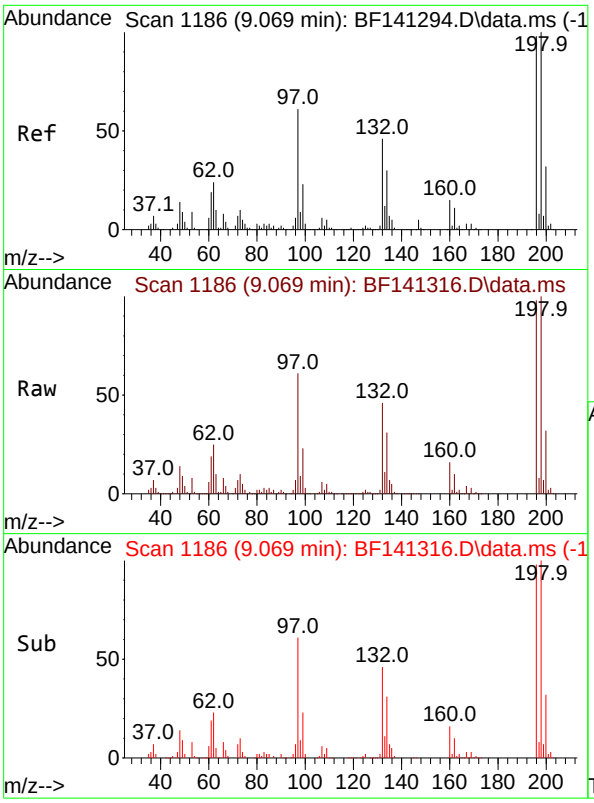


#42
2,4,6-Tribromophenol
Concen: 97.407 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

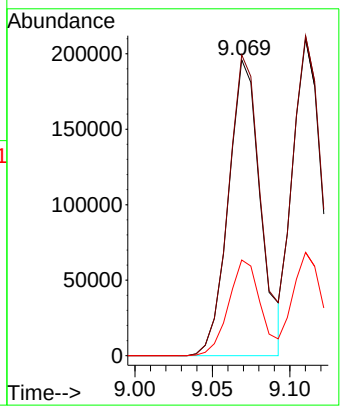




#43
2,4,6-Trichlorophenol
Concen: 42.381 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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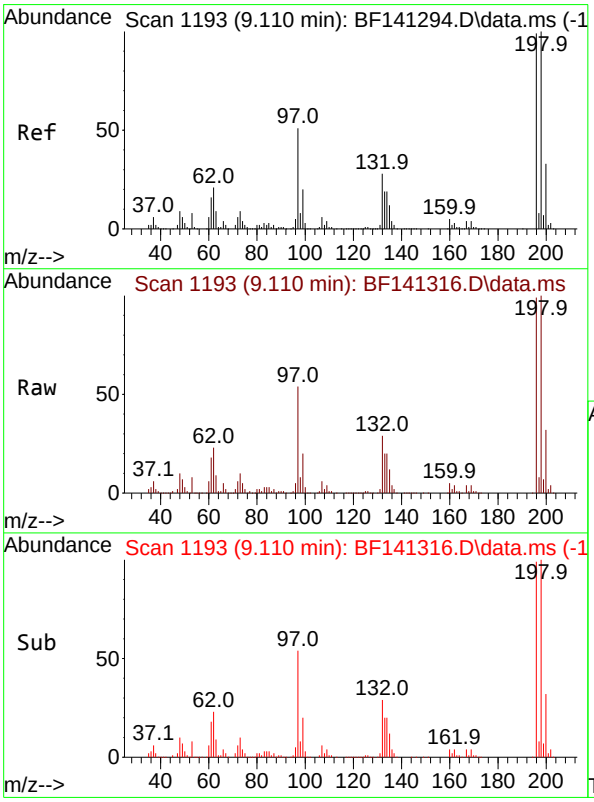
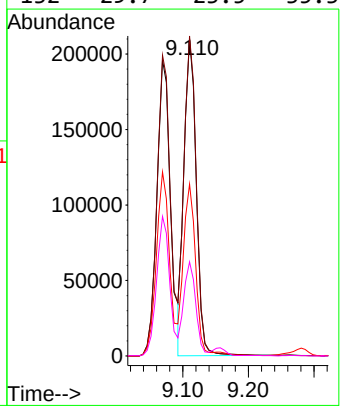
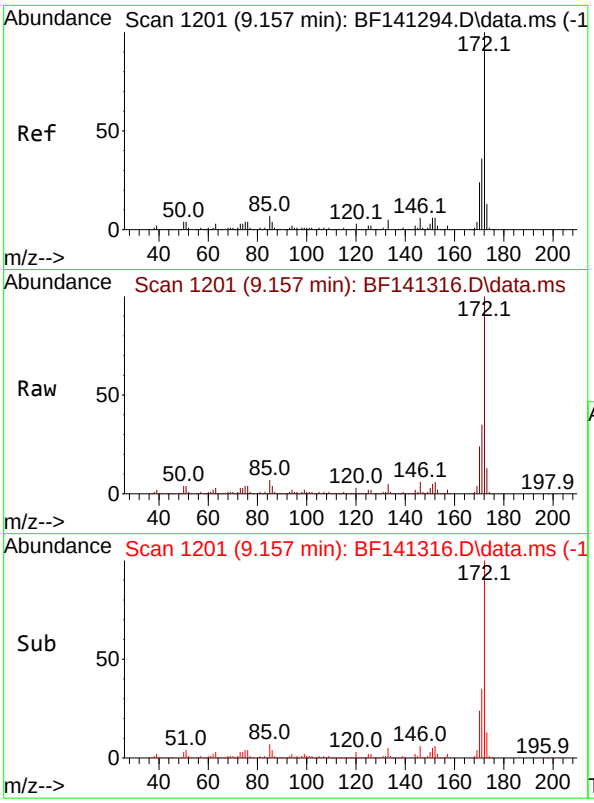


#44
2,4,5-Trichlorophenol
Concen: 37.799 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

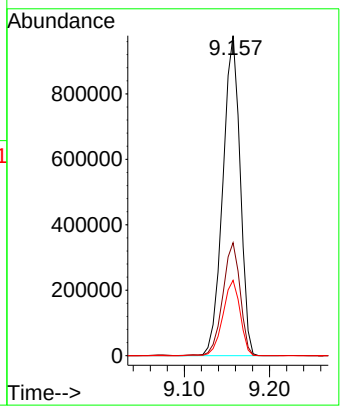




#45
2-Fluorobiphenyl
Concen: 59.412 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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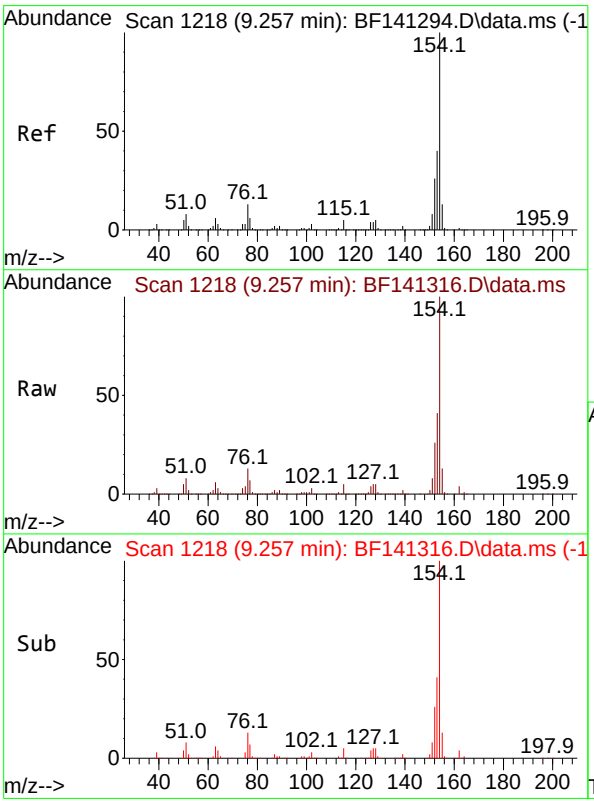
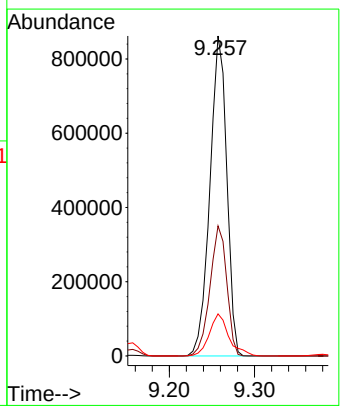
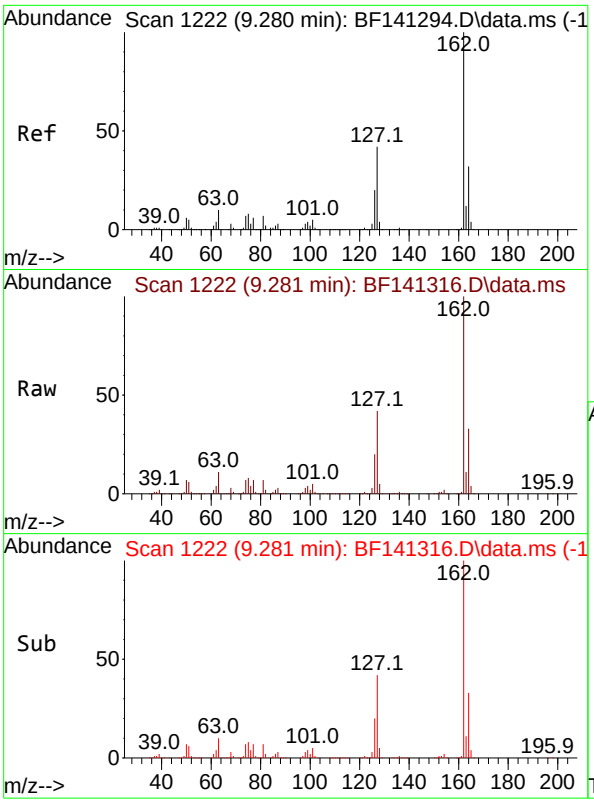


#46
1,1'-Biphenyl
Concen: 42.647 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

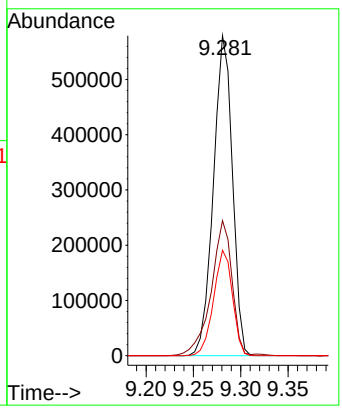




#47
2-Chloronaphthalene
Concen: 37.403 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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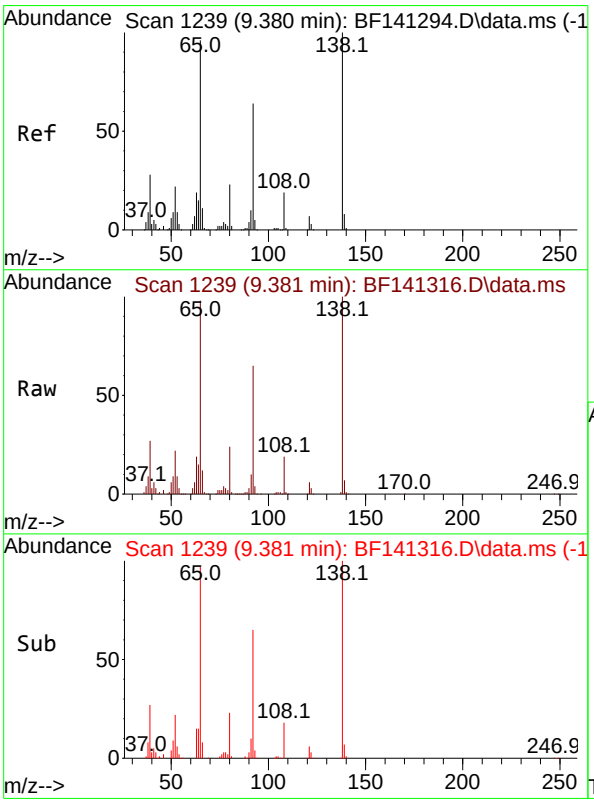
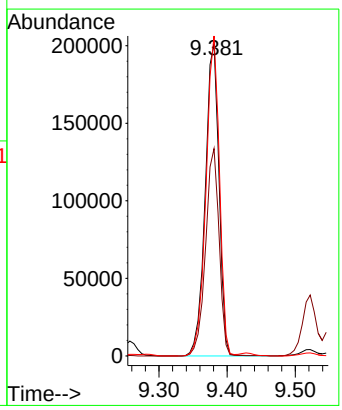
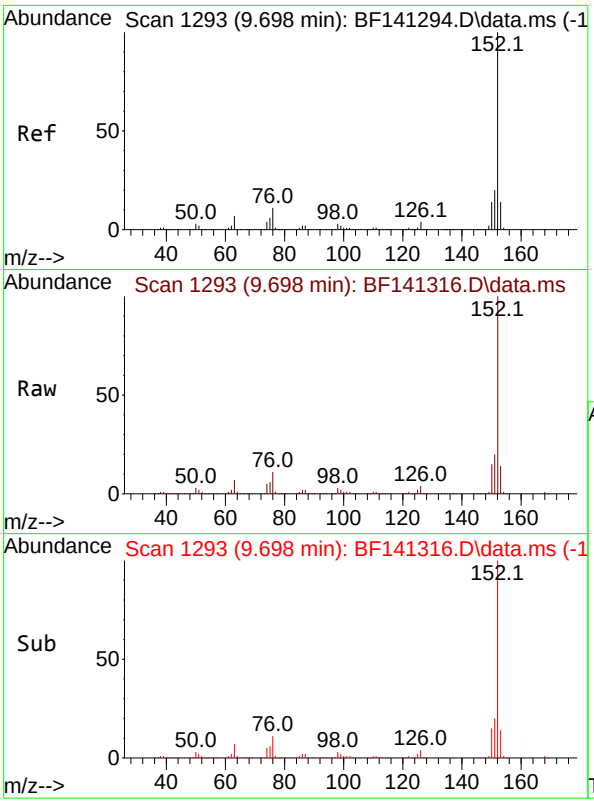


#48
2-Nitroaniline
Concen: 41.434 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

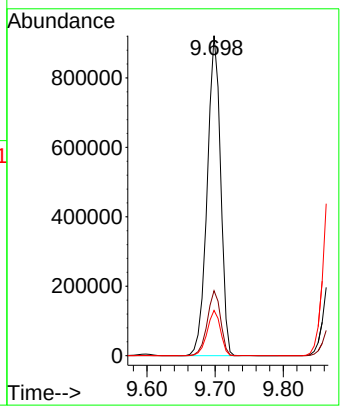




#49
Acenaphthylene
Concen: 41.496 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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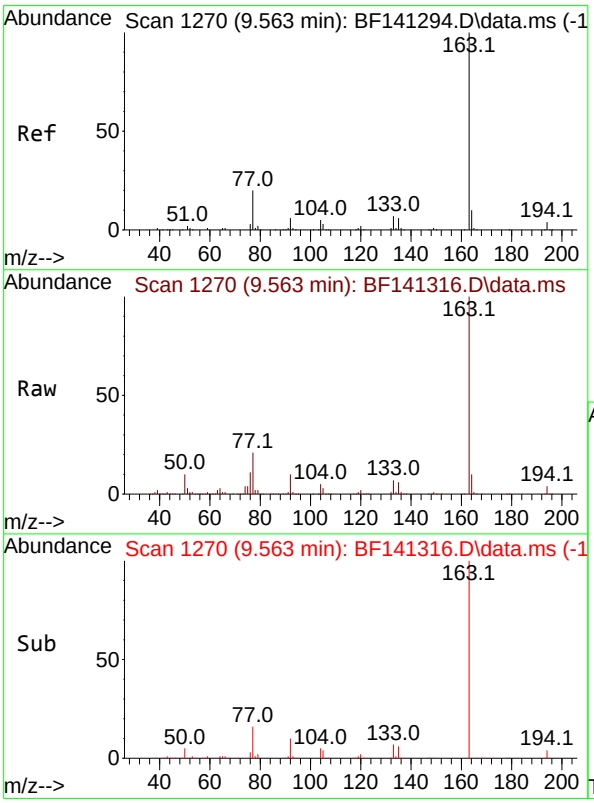
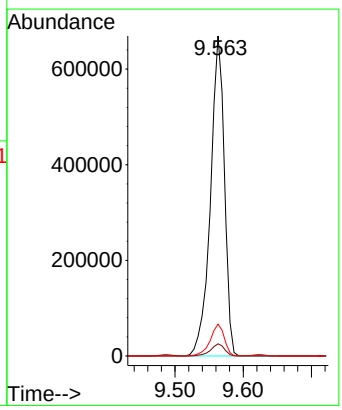
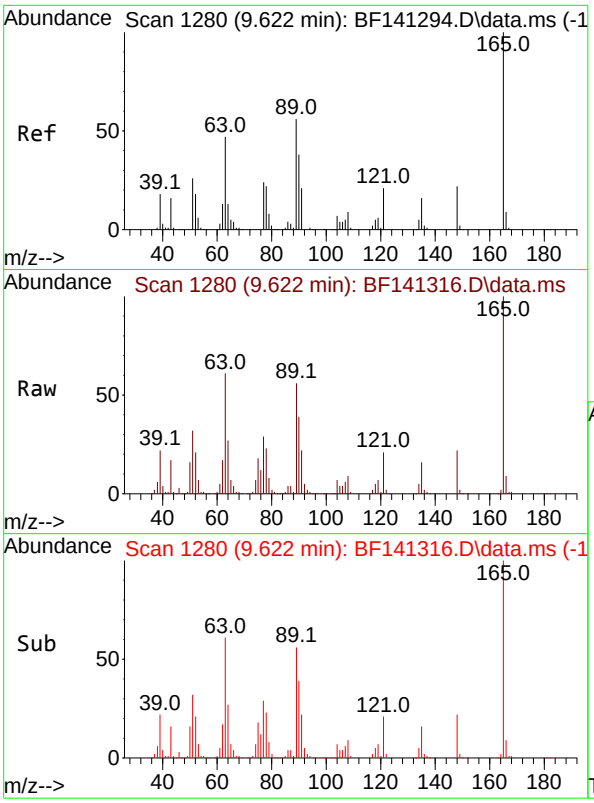


#50
Dimethylphthalate
Concen: 39.592 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

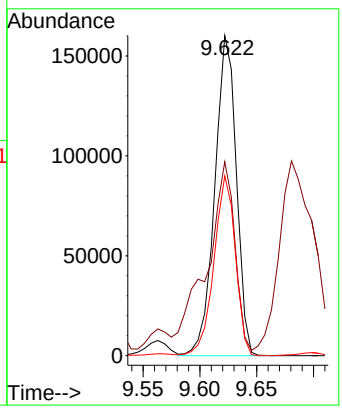




#51
2,6-Dinitrotoluene
Concen: 37.868 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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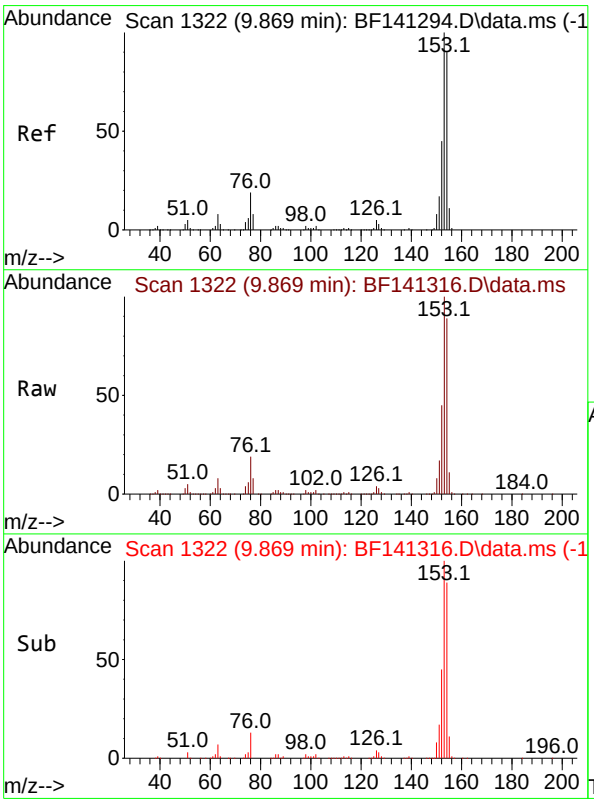
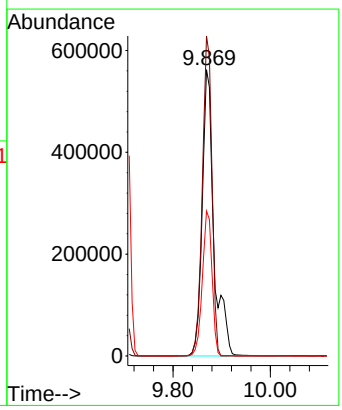
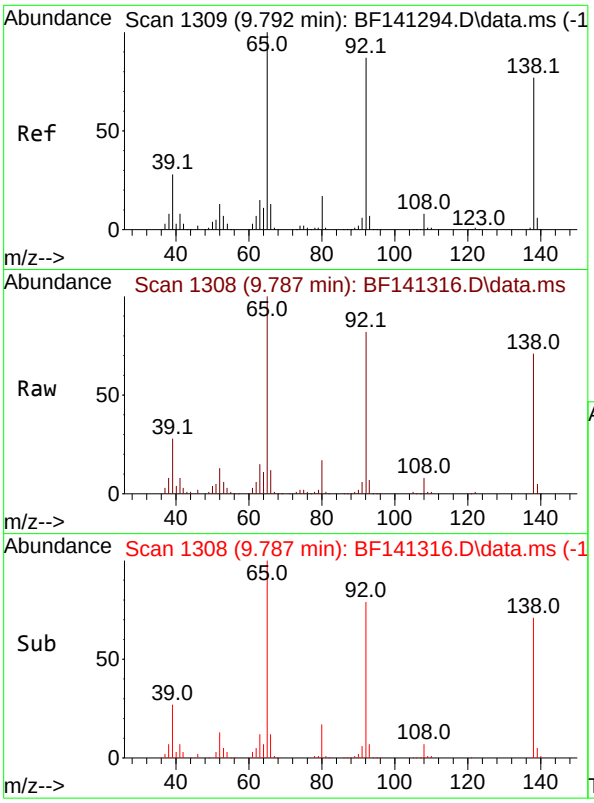


#52
Acenaphthene
Concen: 43.164 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

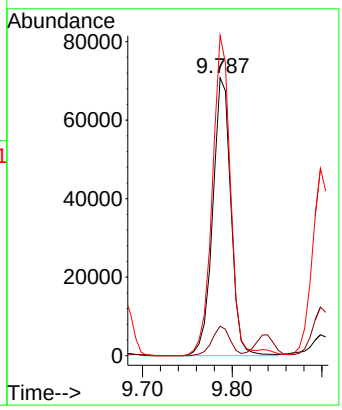




#53
3-Nitroaniline
Concen: 18.193 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
WC-5MSD

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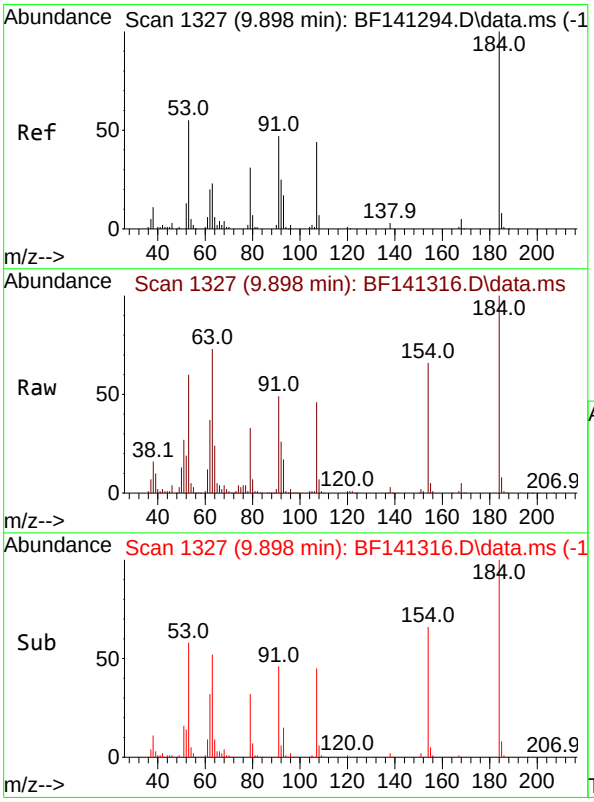
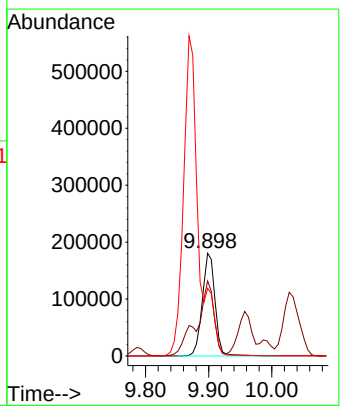
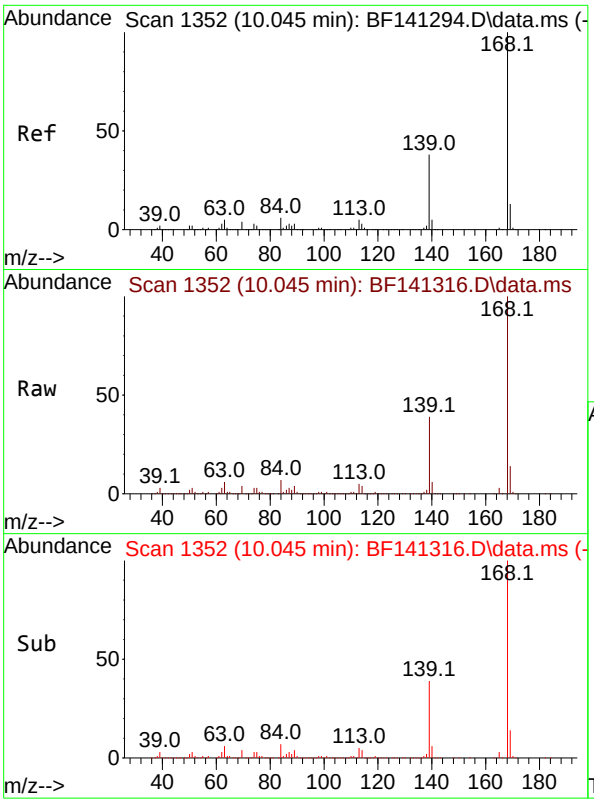


#54
2,4-Dinitrophenol
Concen: 97.477 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

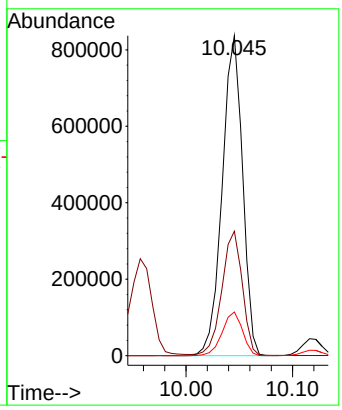




#55
Dibenzofuran
Concen: 38.315 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
BNA_F
ClientSampleId :
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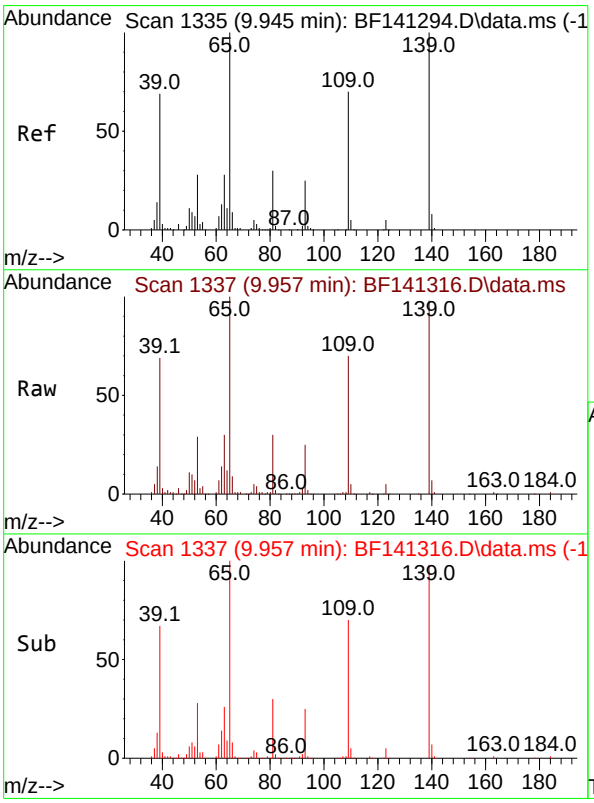
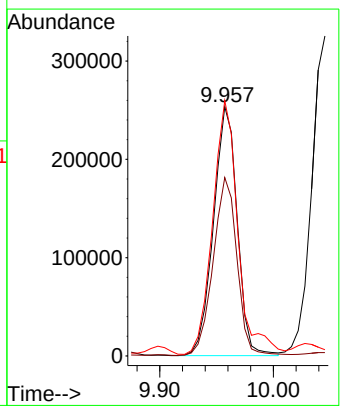
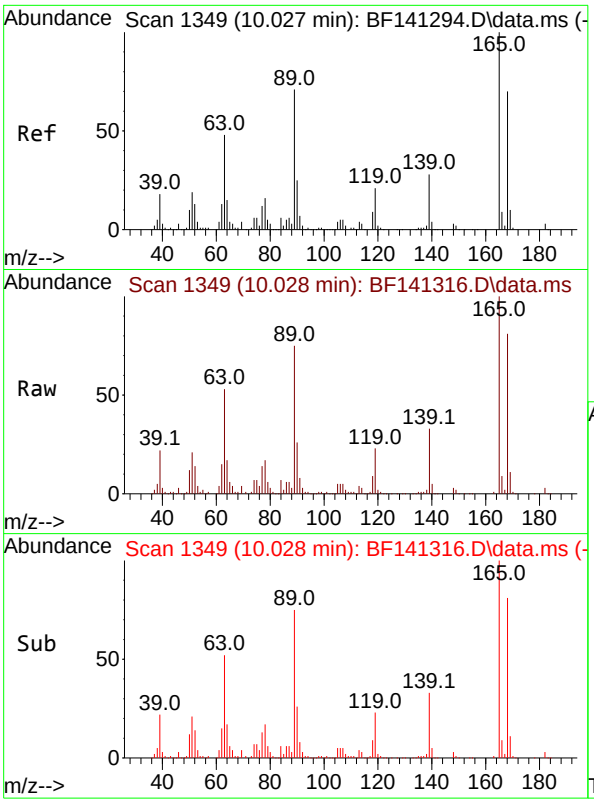


#56
4-Nitrophenol
Concen: 91.830 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

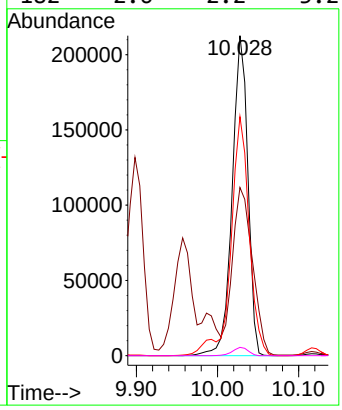




#57
2,4-Dinitrotoluene
Concen: 39.344 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
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ClientSampleId :
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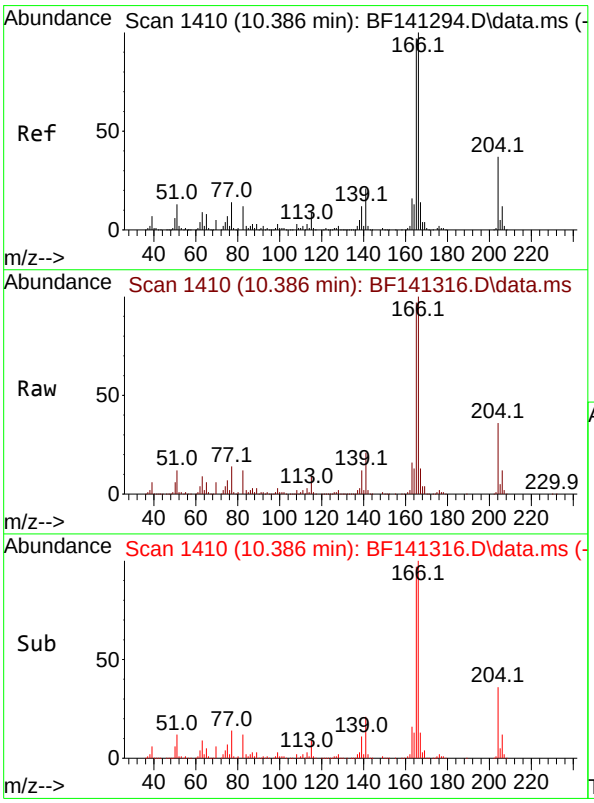
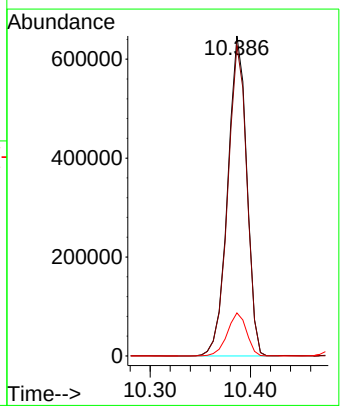
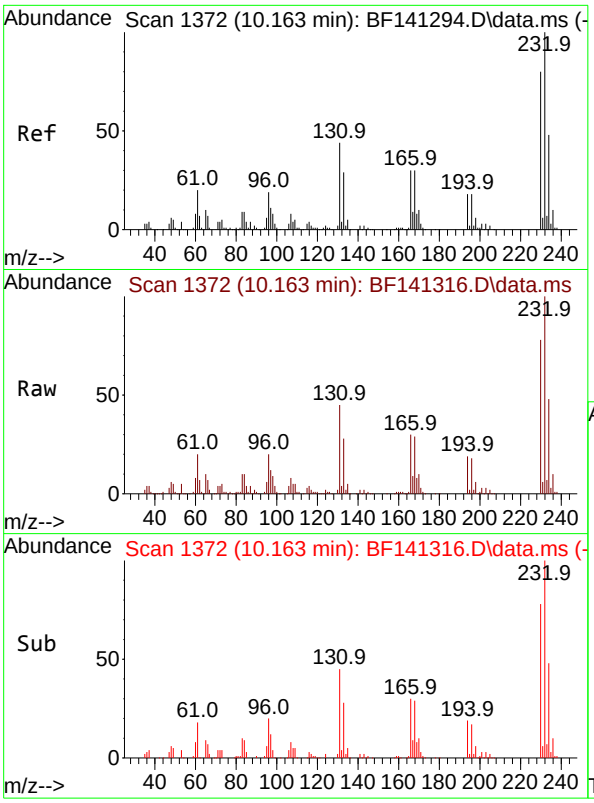


#58
Fluorene
Concen: 37.866 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

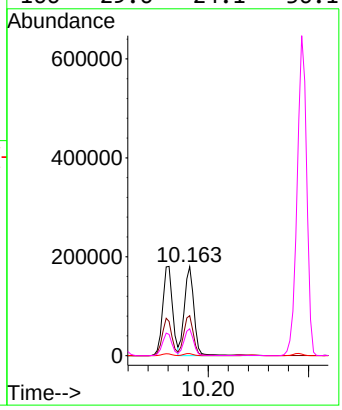




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.085 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
WC-5MSD

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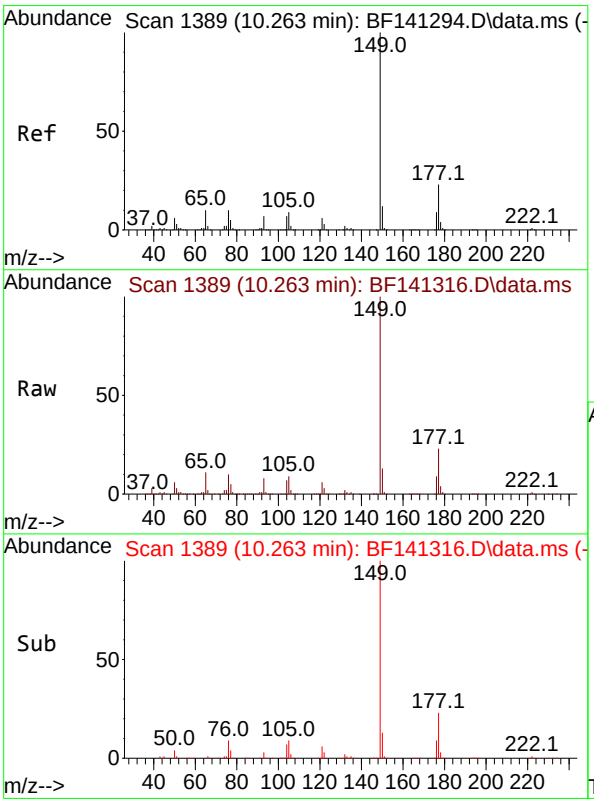
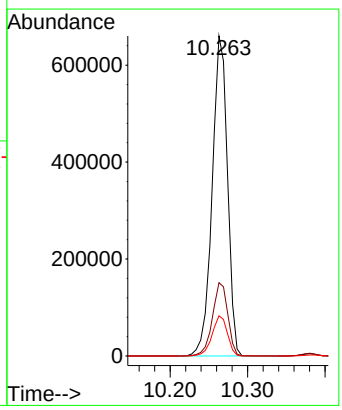
Supervised By :mohammad ahmed 01/31/2025

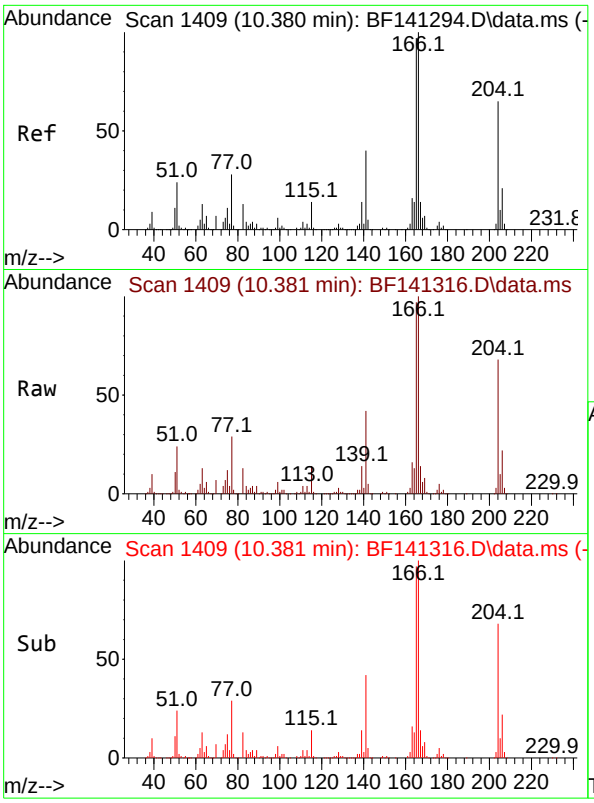


#60
Diethylphthalate
Concen: 38.786 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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

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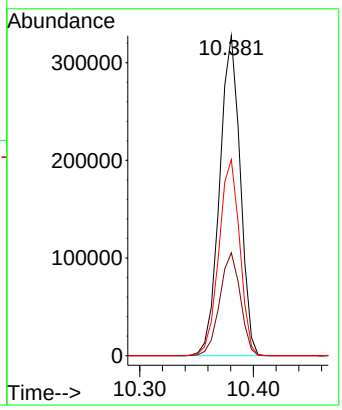
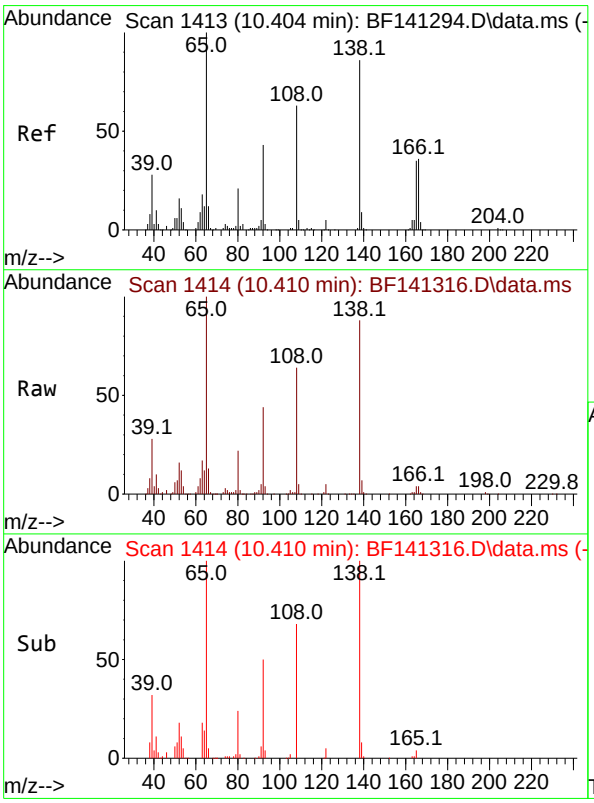
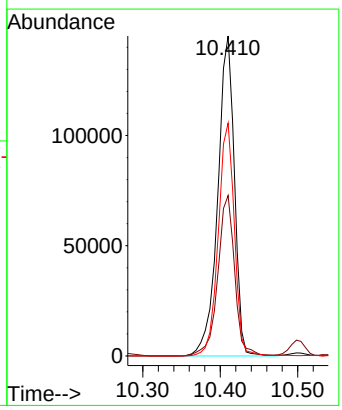


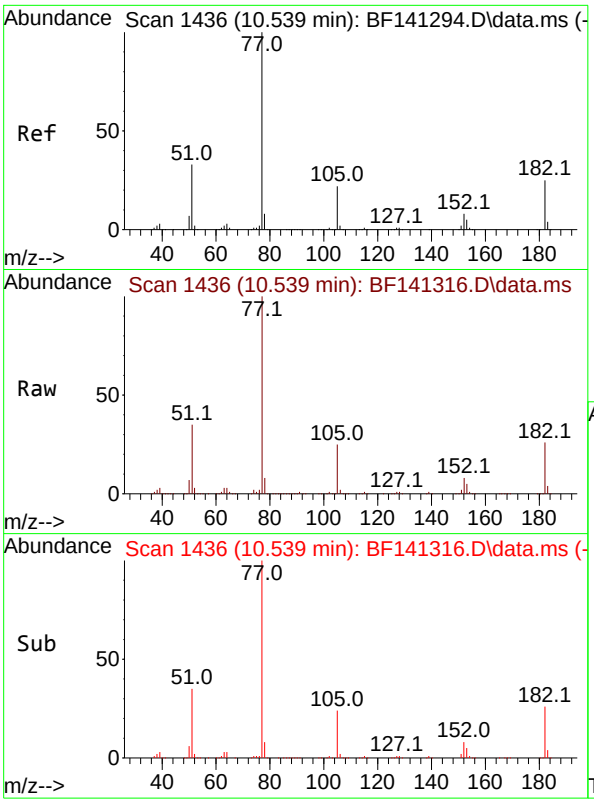


#62
4-Nitroaniline
Concen: 40.302 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

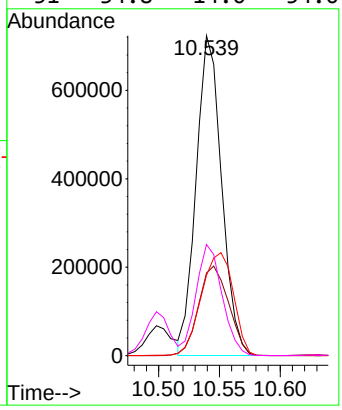




#63
Azobenzene
Concen: 45.030 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
BNA_F
ClientSampleId :
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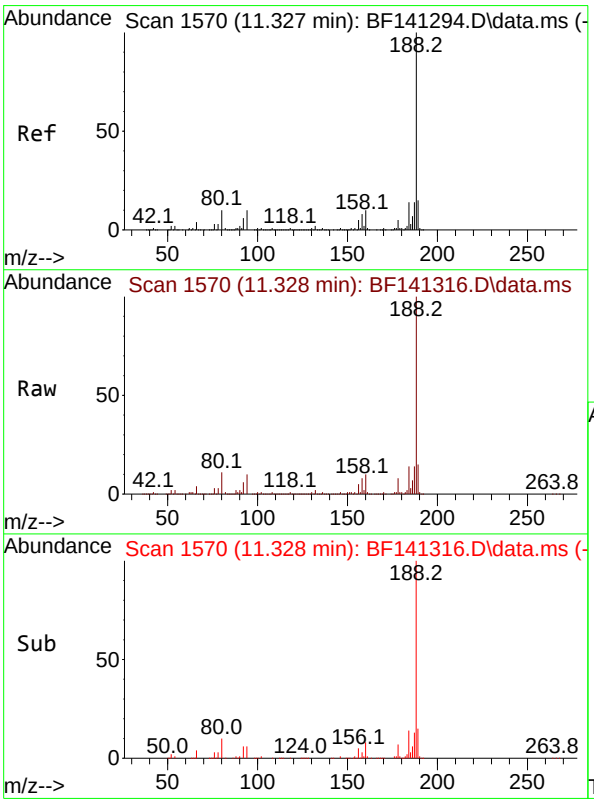
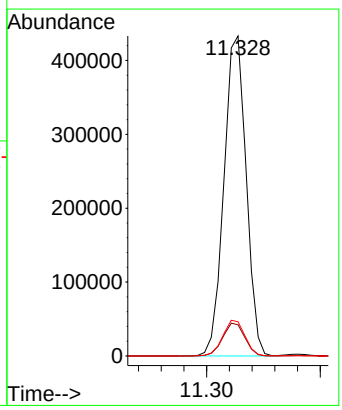
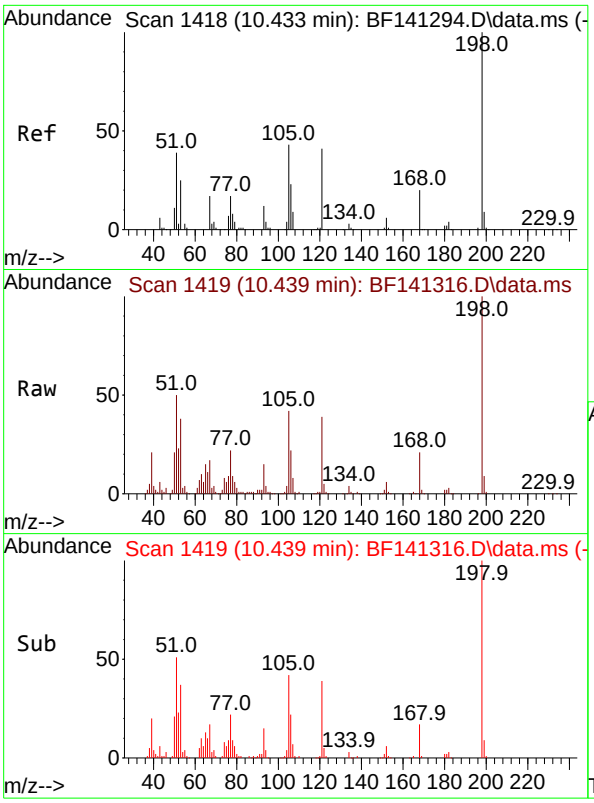


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
WC-5MSD

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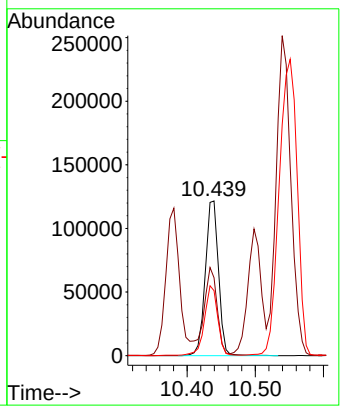
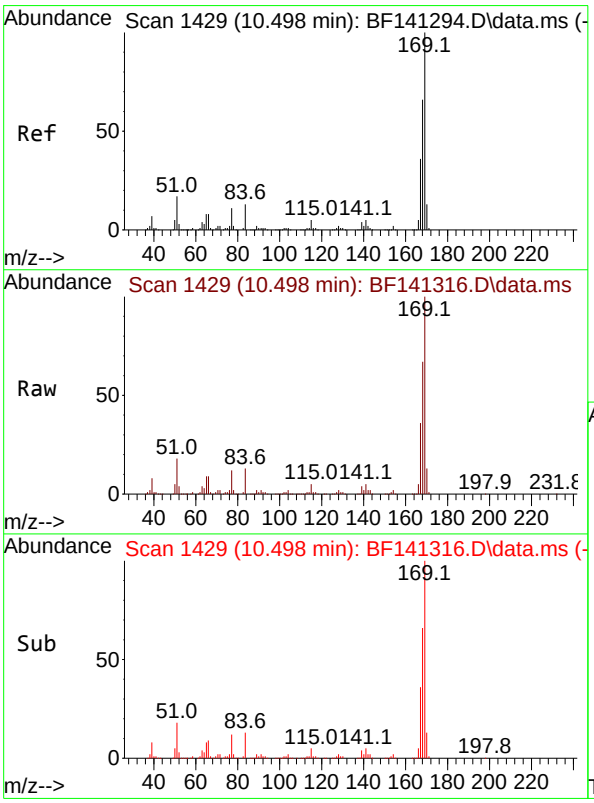
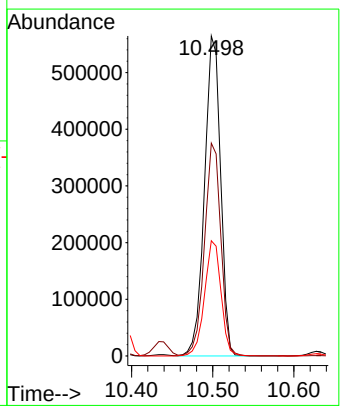


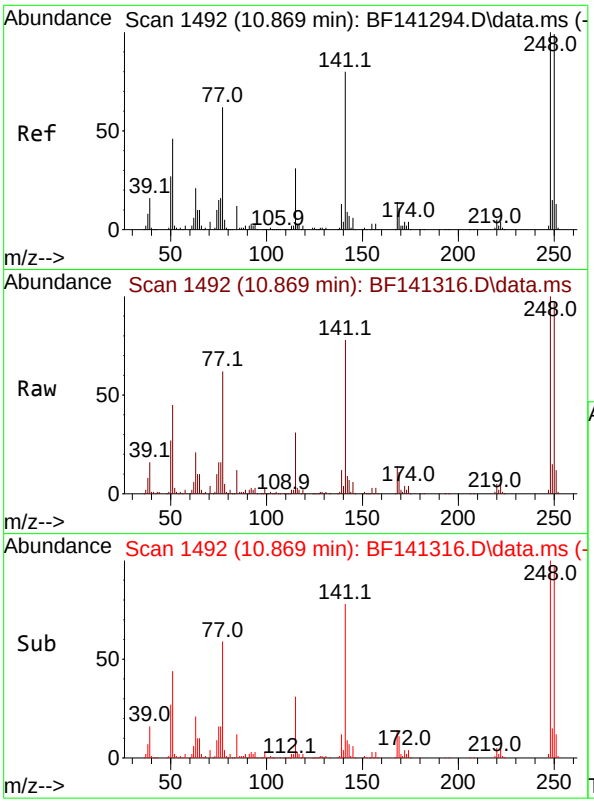


#66
n-Nitrosodiphenylamine
Concen: 40.641 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

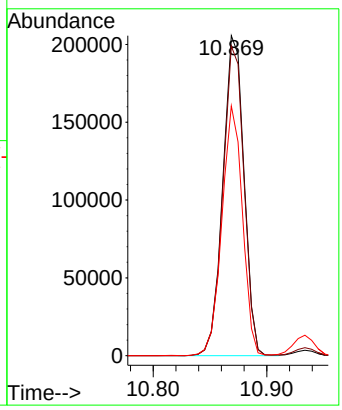




#67
4-Bromophenyl-phenylether
Concen: 40.435 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
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ClientSampleId :
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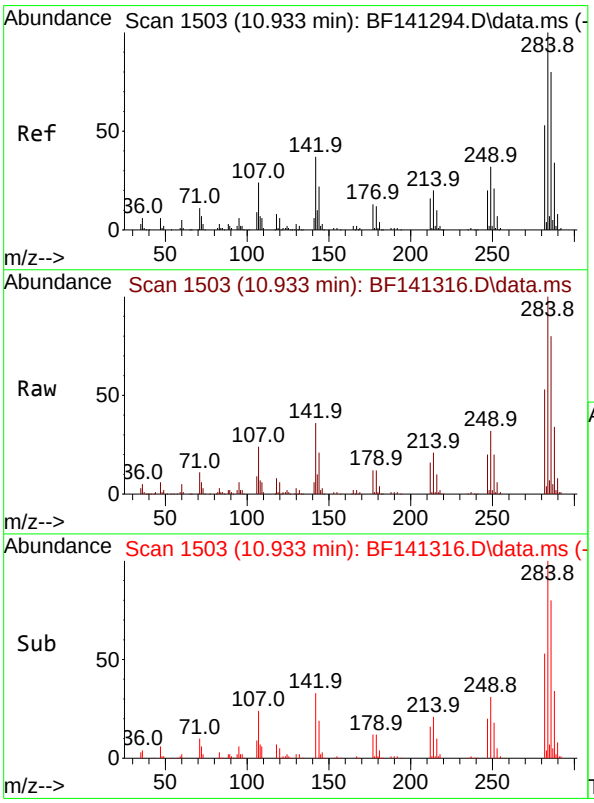
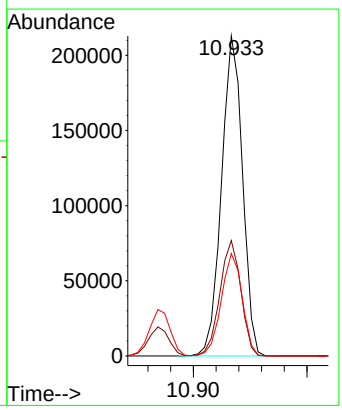
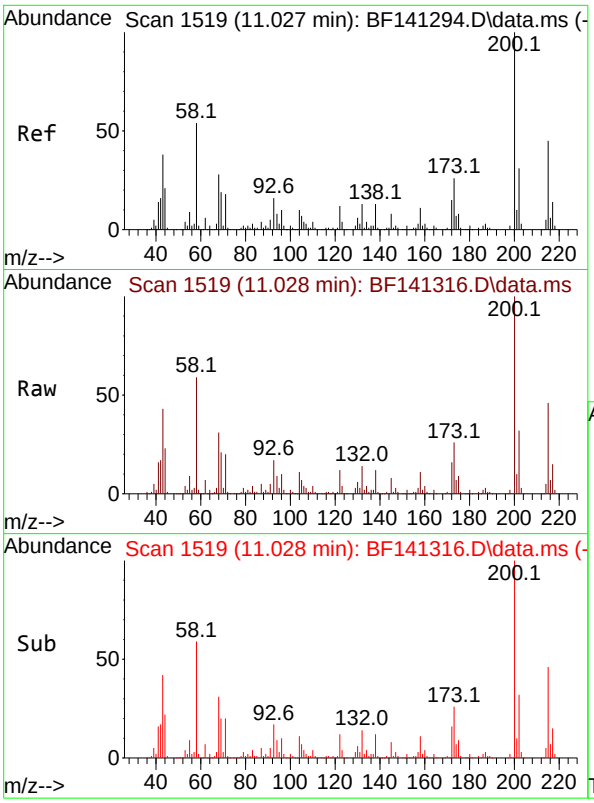


#68
Hexachlorobenzene
Concen: 39.099 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

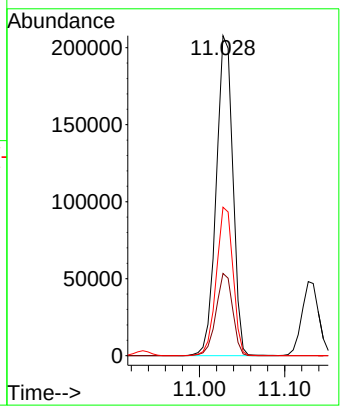




#69
Atrazine
Concen: 44.182 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
WC-5MSD

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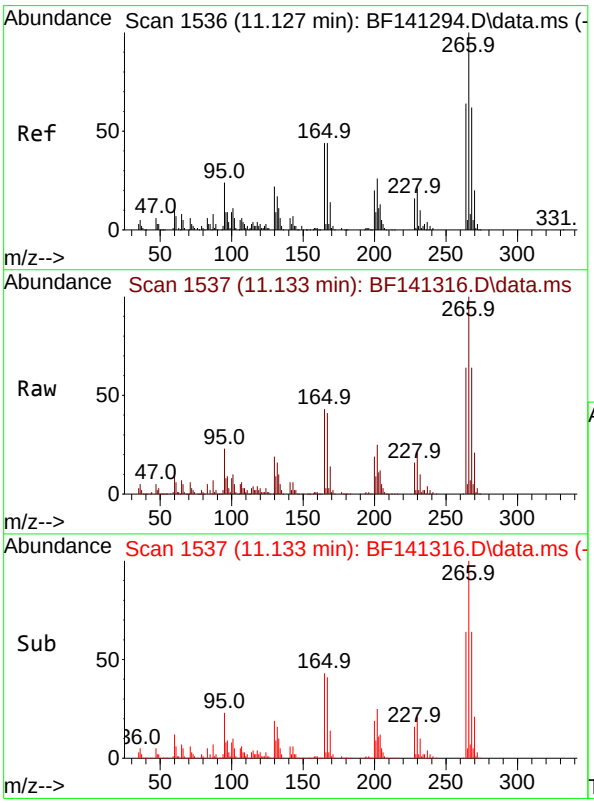
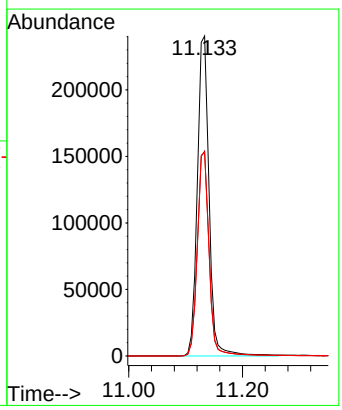
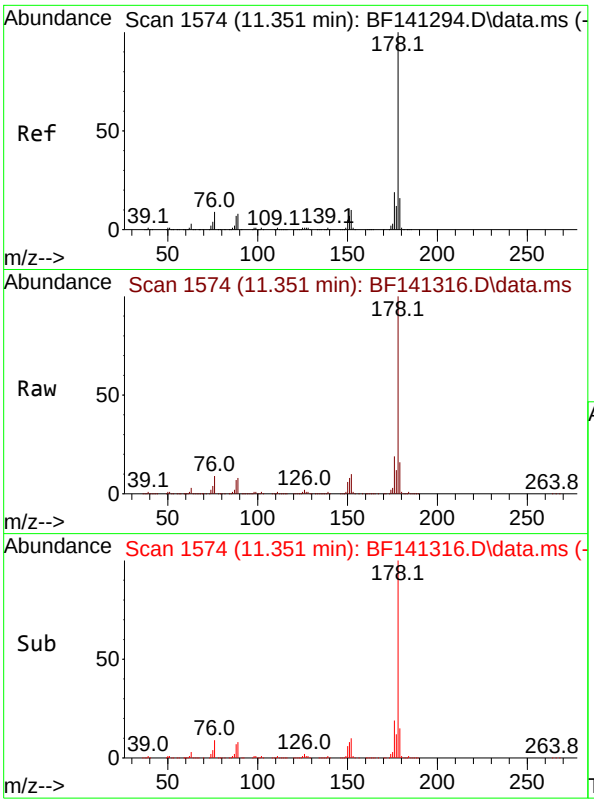


#70
Pentachlorophenol
Concen: 84.595 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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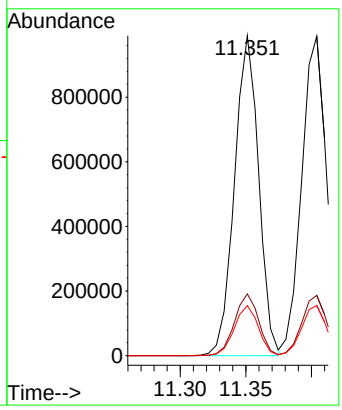
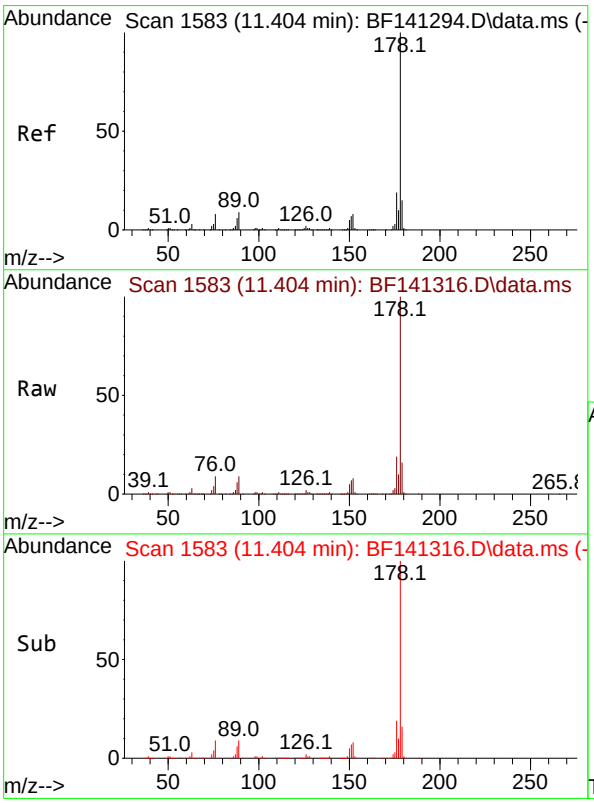
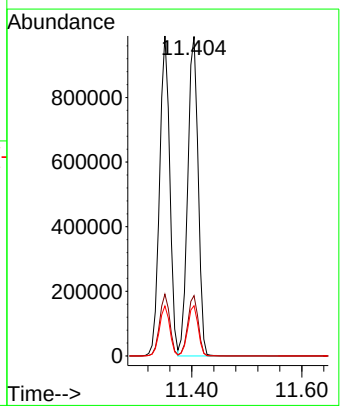


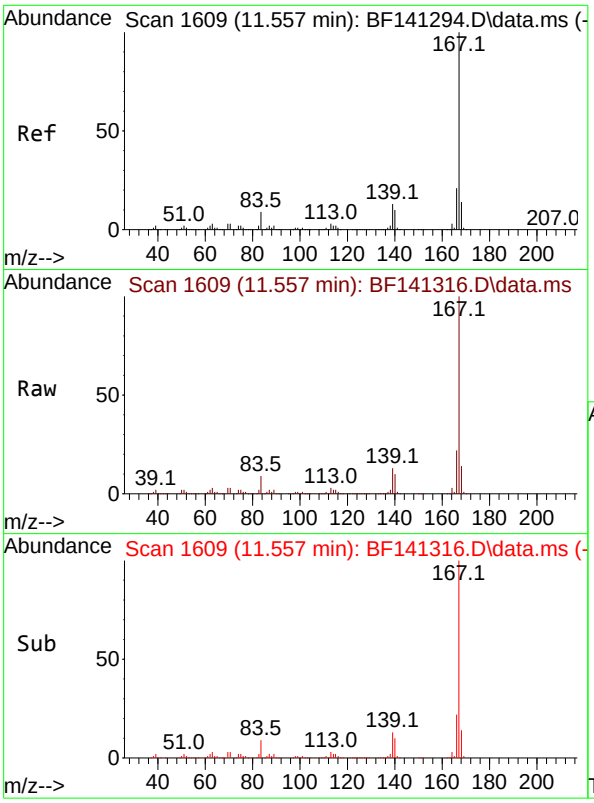


#72
Anthracene
Concen: 41.770 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

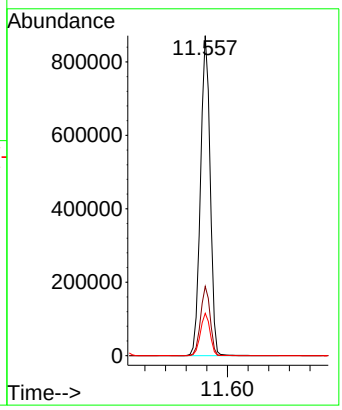




#73
Carbazole
Concen: 40.995 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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 :
BNA_F
ClientSampleId :
WC-5MSD

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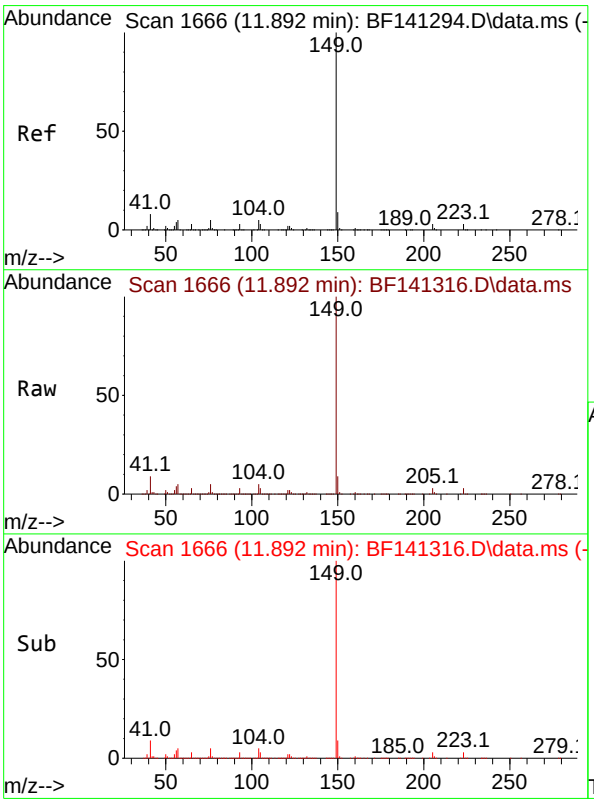
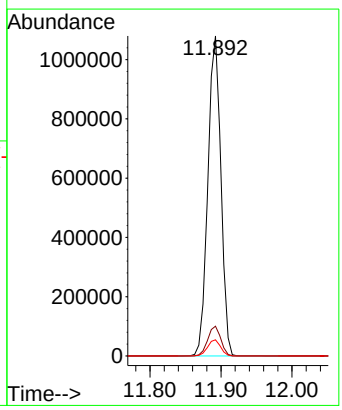
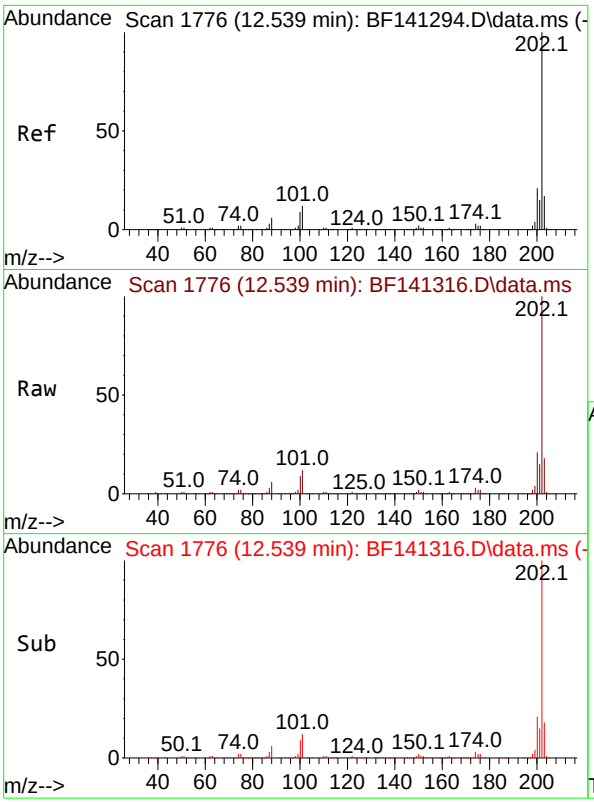


#74
Di-n-butylphthalate
Concen: 41.305 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

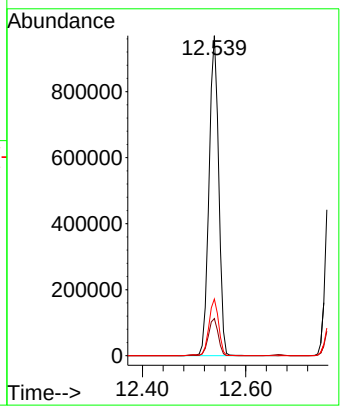




#75
Fluoranthene
Concen: 40.106 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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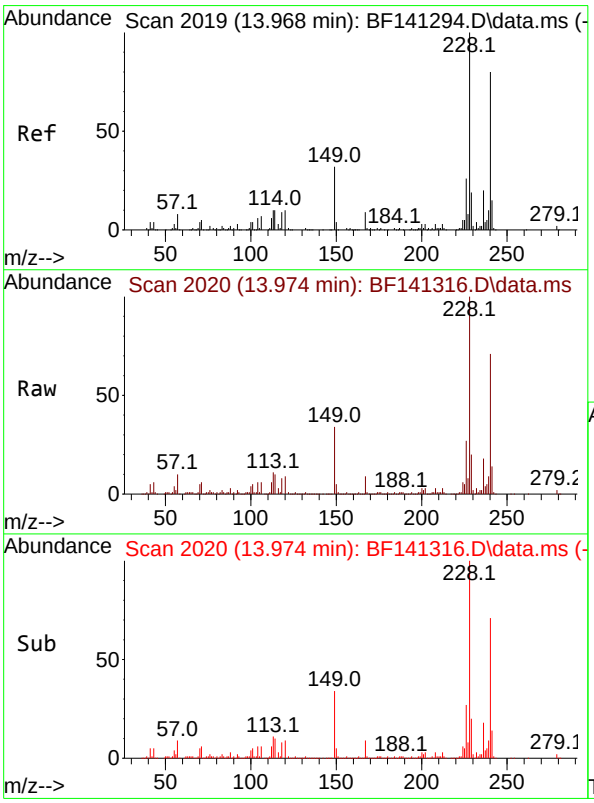
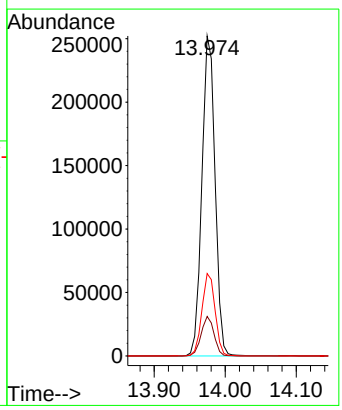
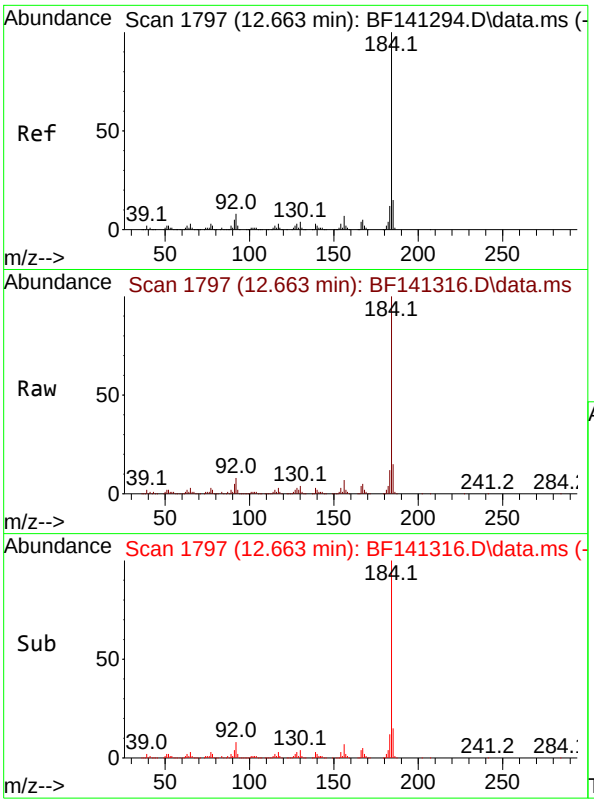


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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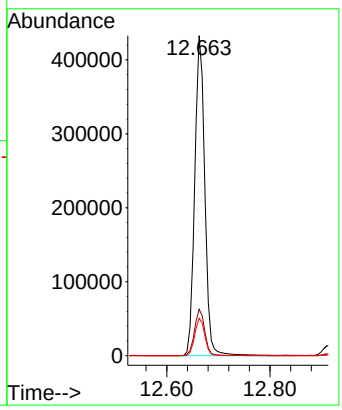
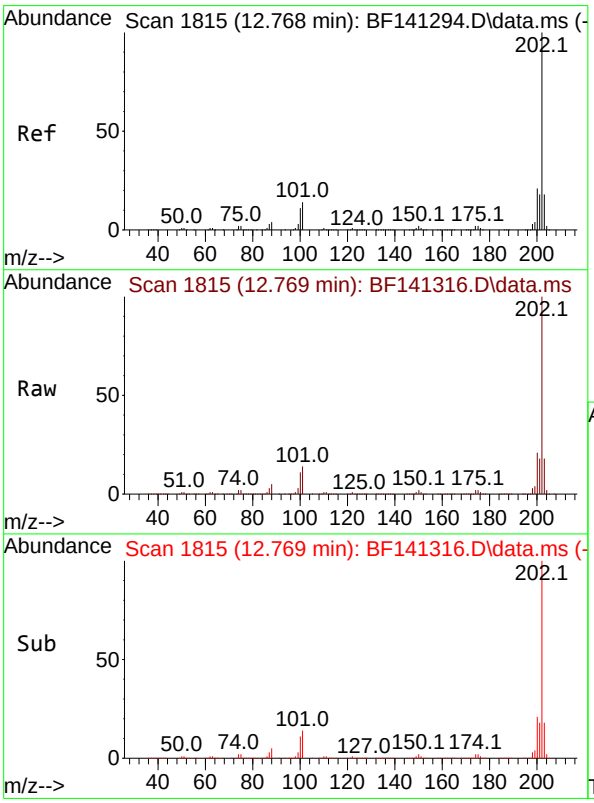
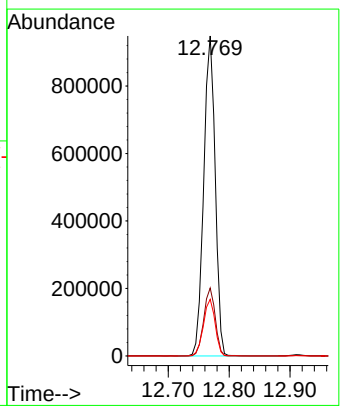


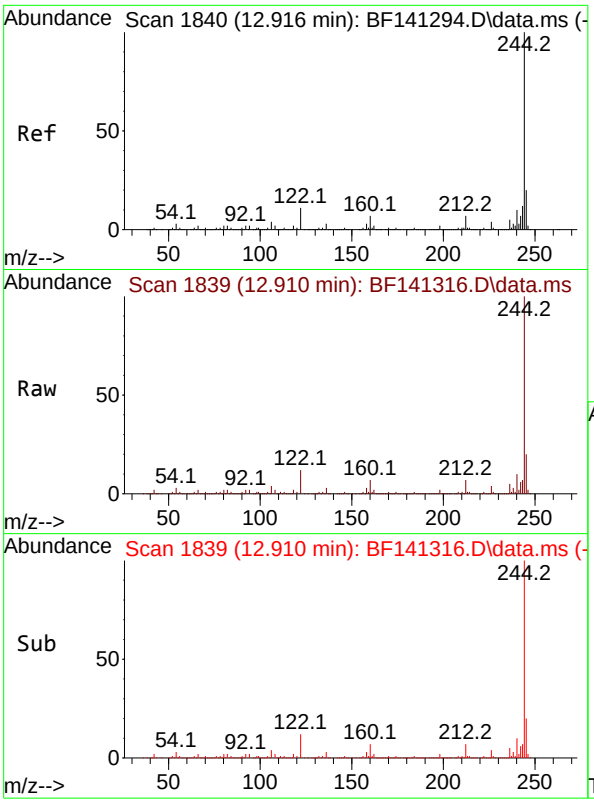


#78
Pyrene
Concen: 39.658 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

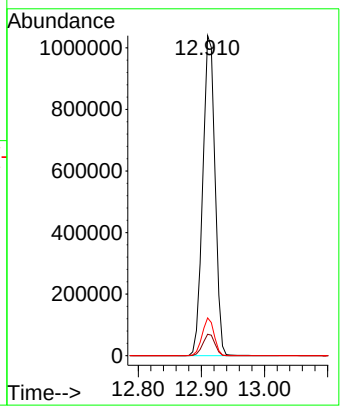




#79
Terphenyl-d14
Concen: 66.224 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

Manual Integrations
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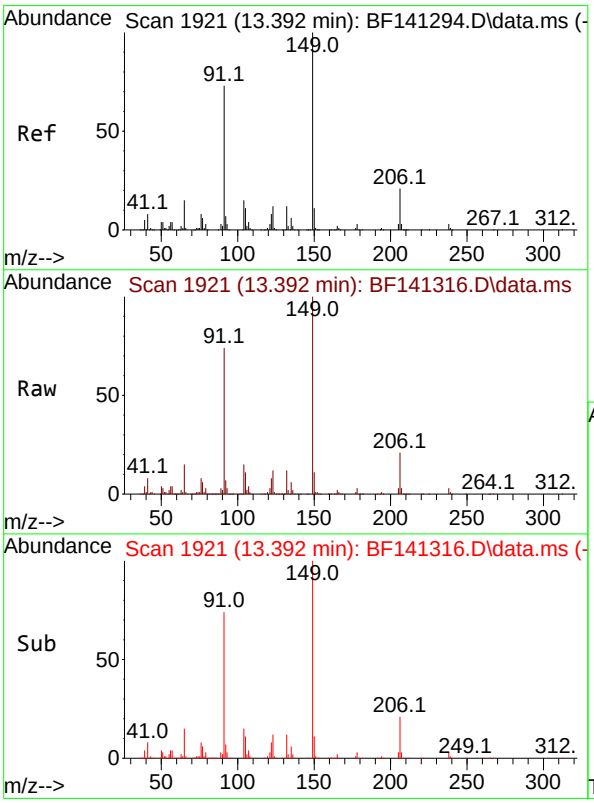
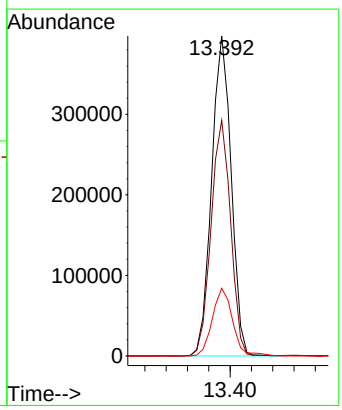
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

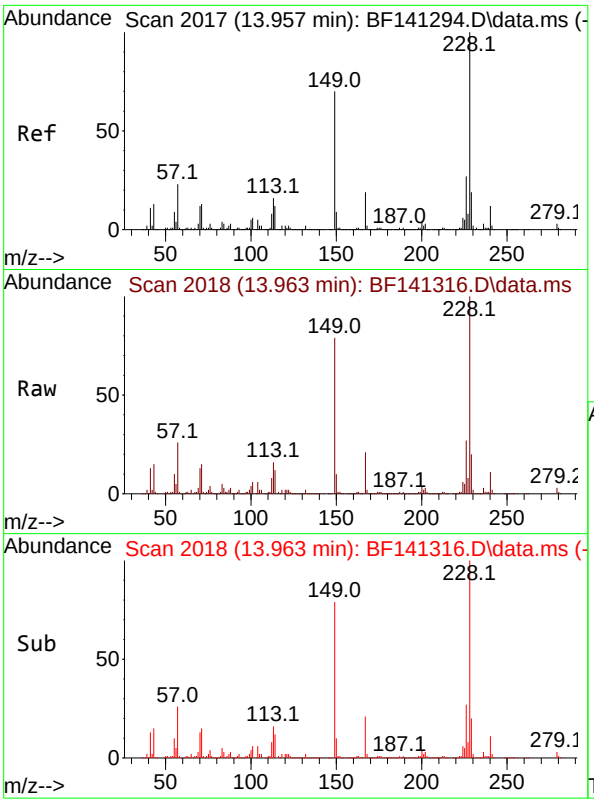


#80
Butylbenzylphthalate
Concen: 46.313 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

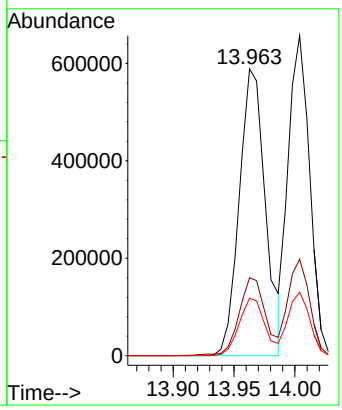




#81
Benzo(a)anthracene
Concen: 39.212 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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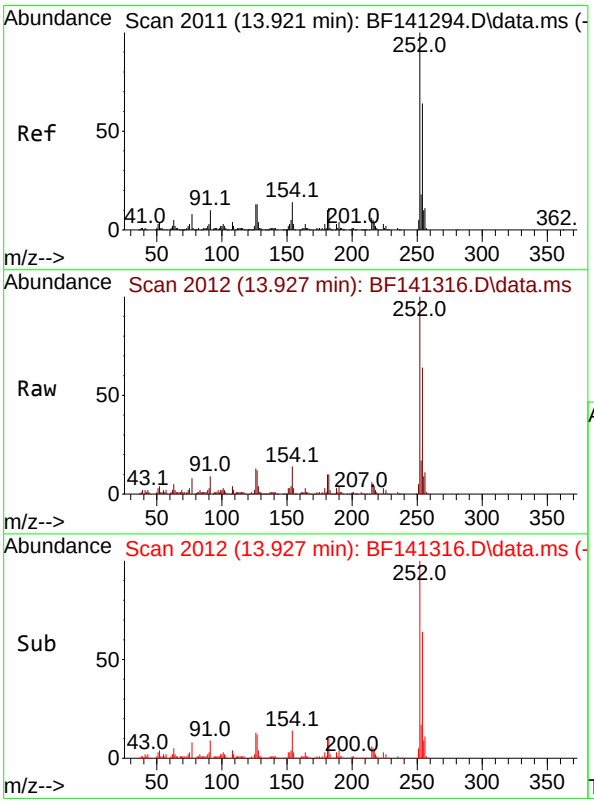
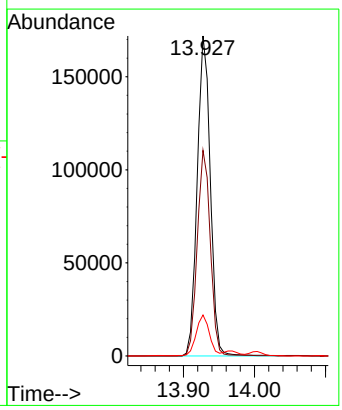
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

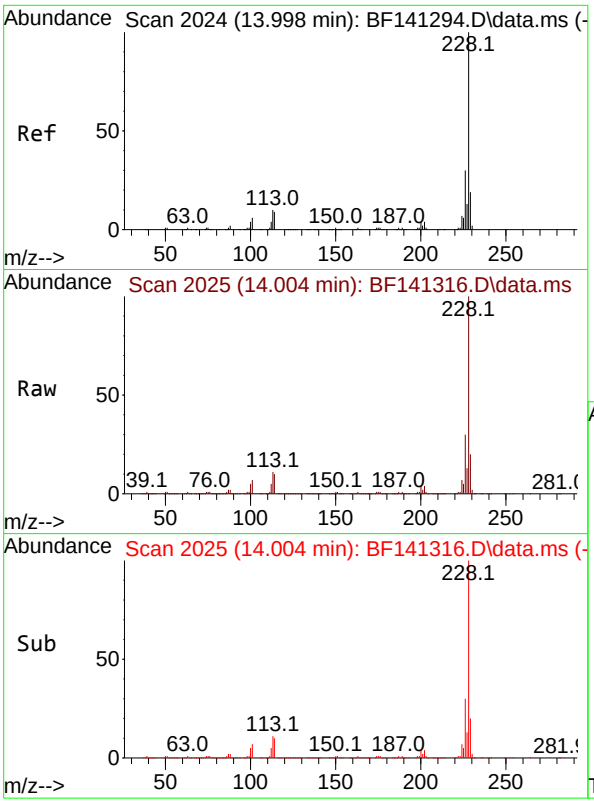


#82
3,3'-Dichlorobenzidine
Concen: 30.919 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

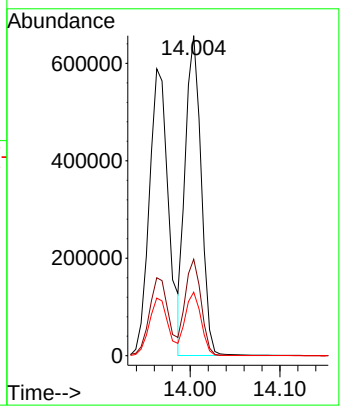




#83
Chrysene
Concen: 39.205 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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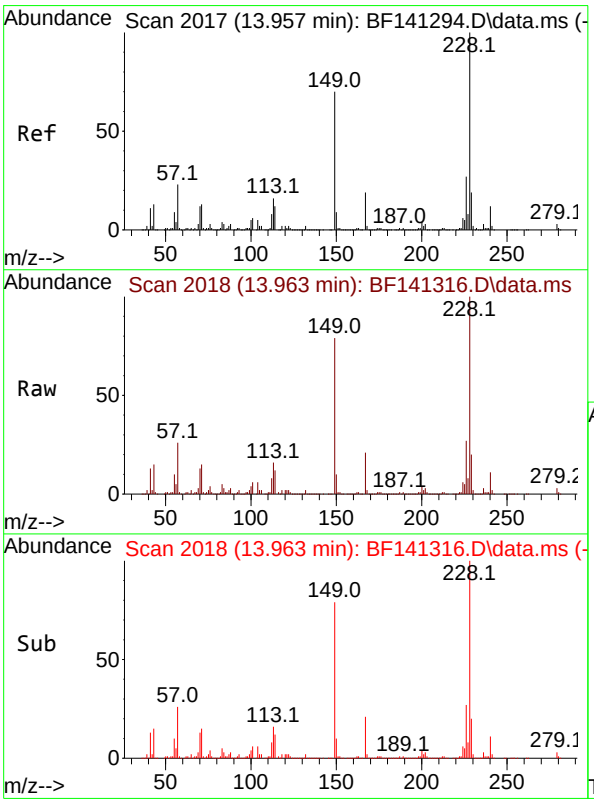
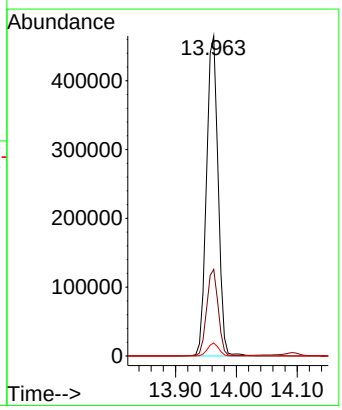
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

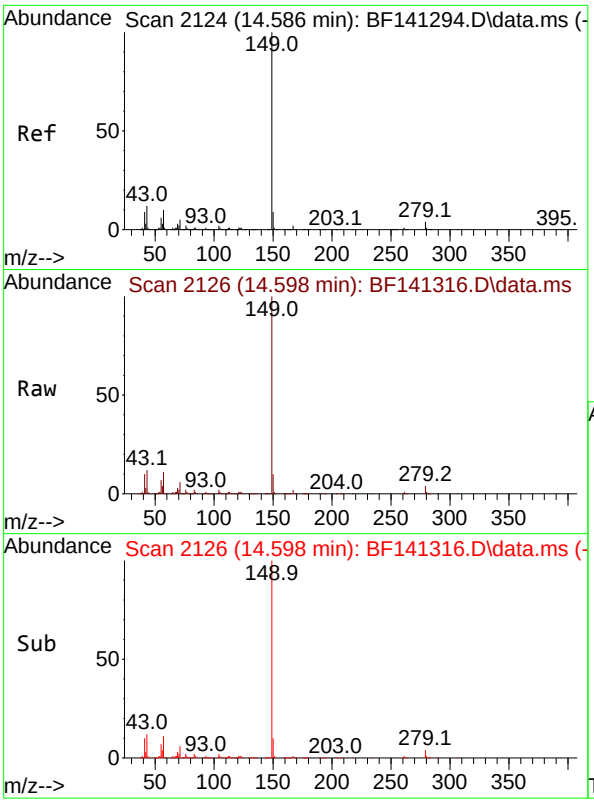


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.500 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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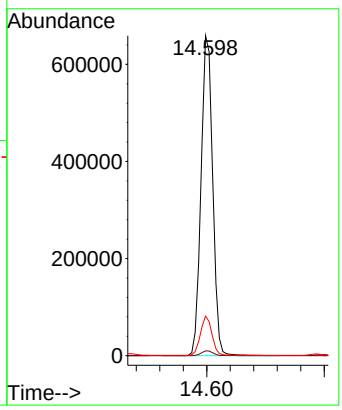
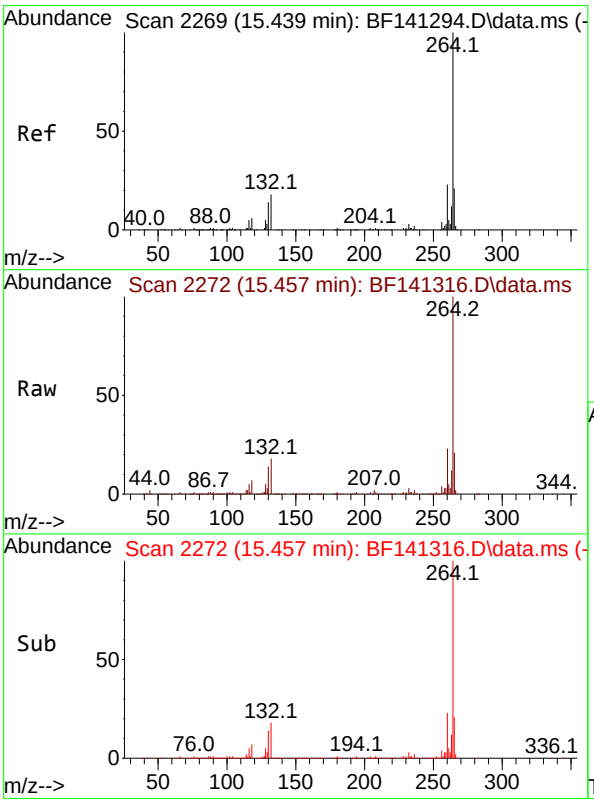
Supervised By :mohammad ahmed 01/31/2025

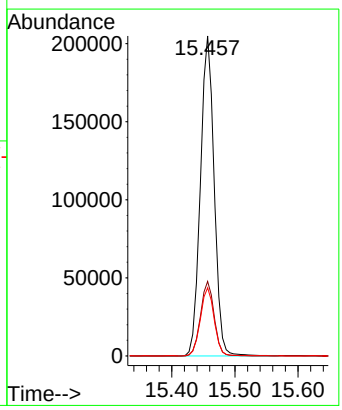


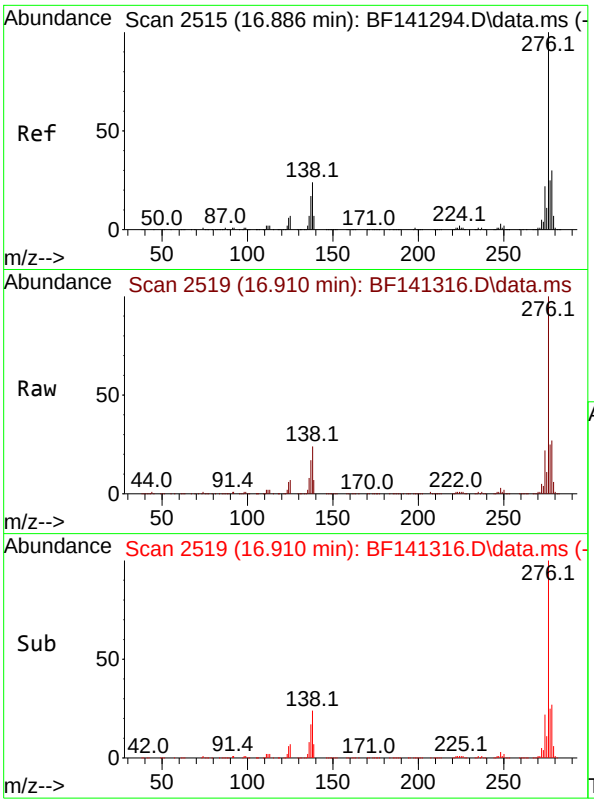


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

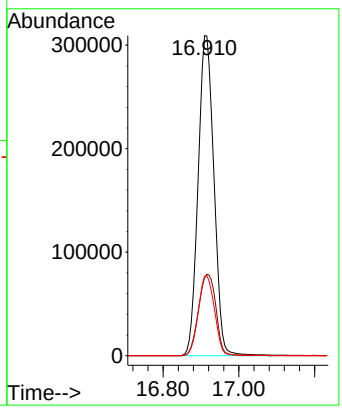




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.867 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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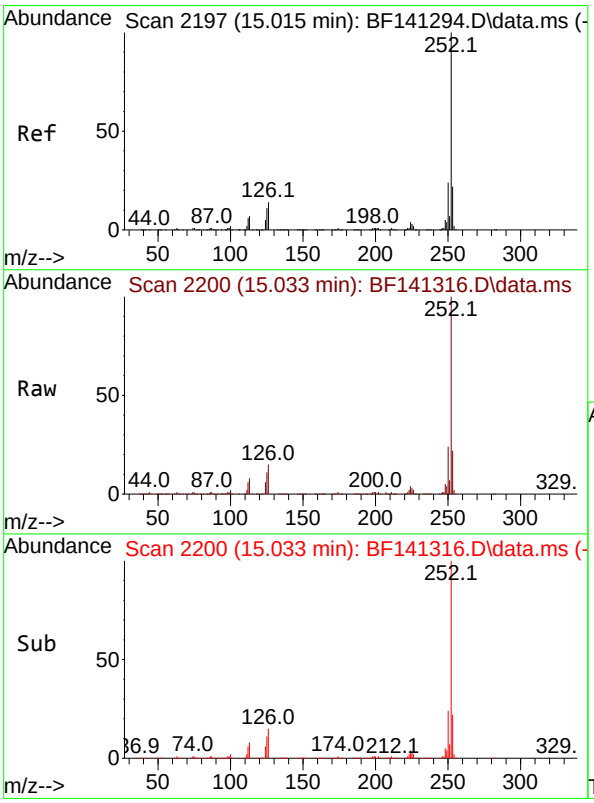
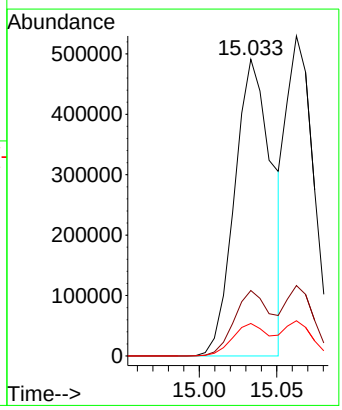
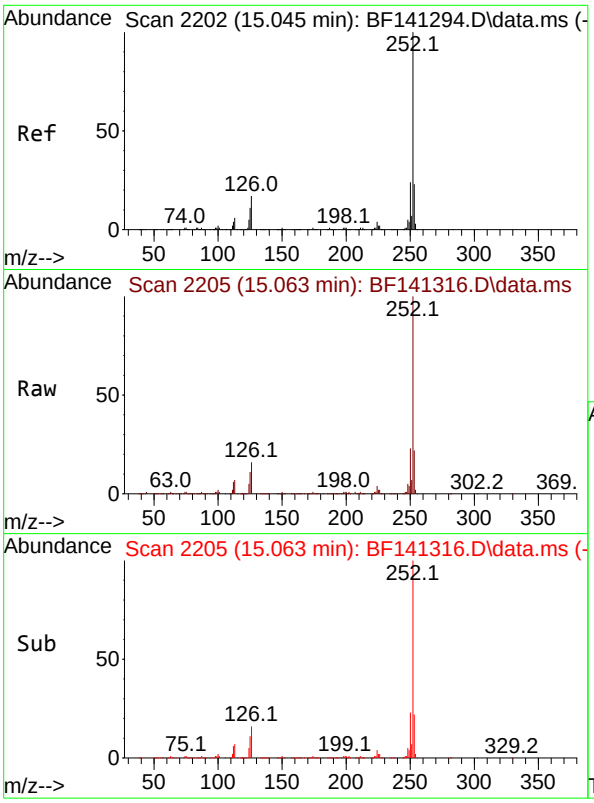


#88
Benzo(b)fluoranthene
Concen: 42.148 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

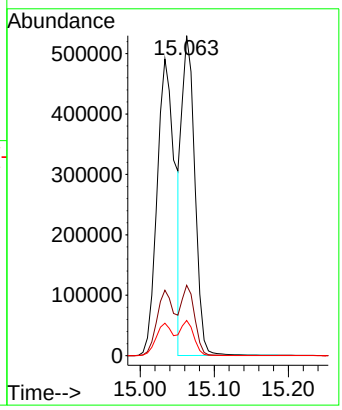




#89
Benzo(k)fluoranthene
Concen: 37.701 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

Manual Integrations
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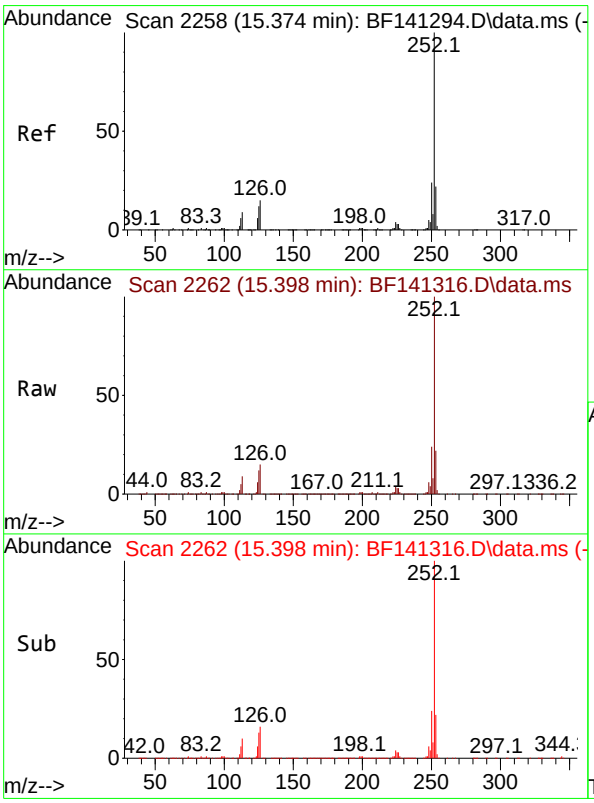
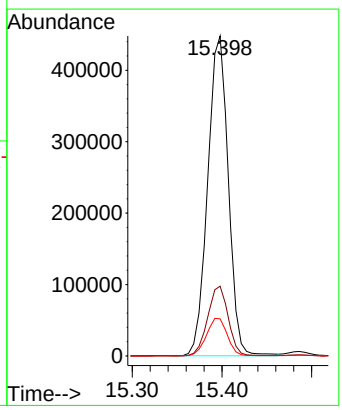
Supervised By :mohammad ahmed 01/31/2025

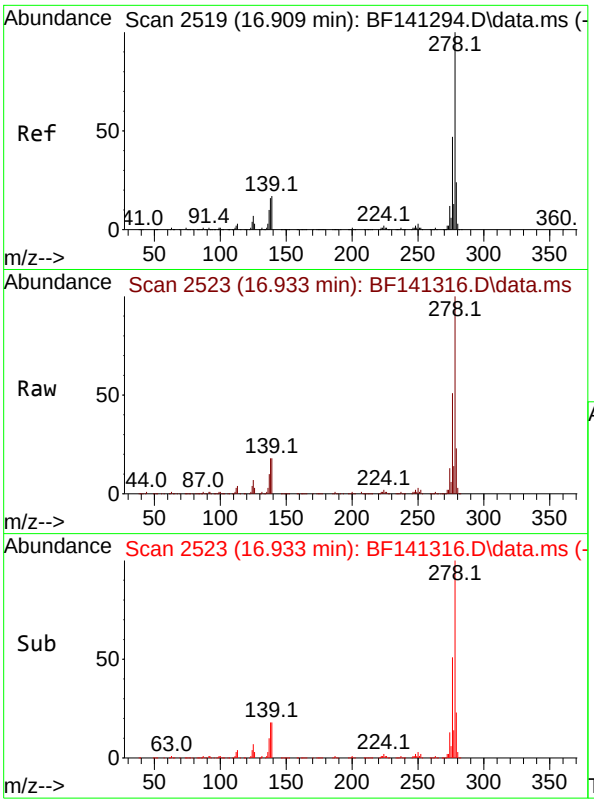


#90
Benzo(a)pyrene
Concen: 43.212 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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

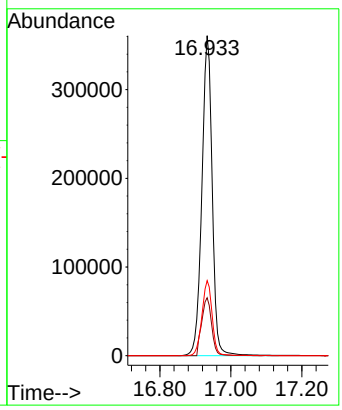




#91
Dibenzo(a,h)anthracene
Concen: 45.331 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

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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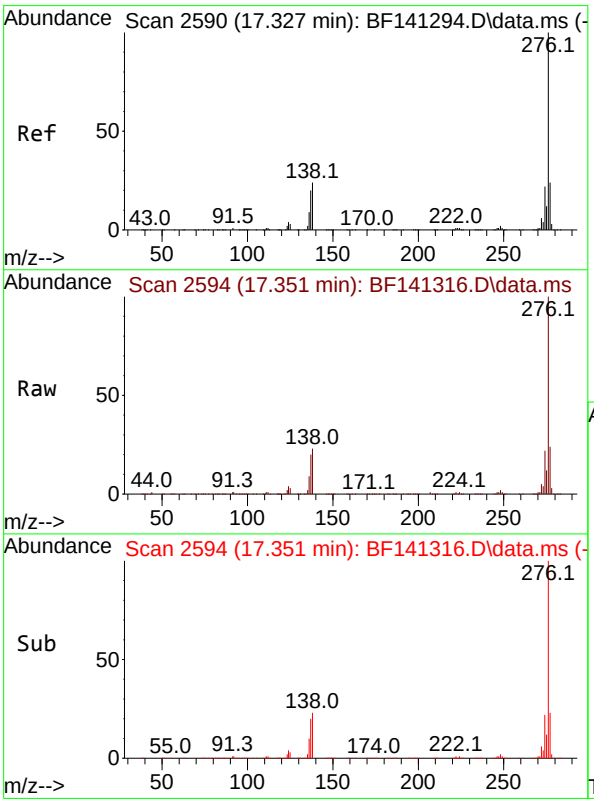
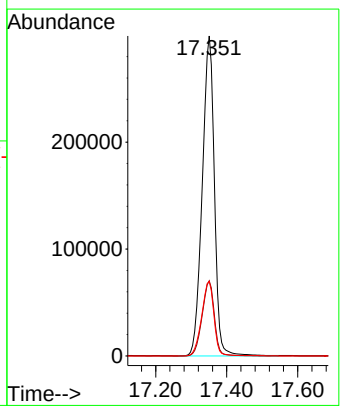
Supervised By :mohammad ahmed 01/31/2025



#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
Q1206-03	BF141461.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1206-03	BF141461.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:44:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1206-03	BF141461.D	Dibenzo(a,h)anthracene	yogesh	2/6/2025 7:44:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1206-03	BF141461.D	Indeno(1,2,3-cd)pyrene	yogesh	2/6/2025 7:44:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1206-07	BF141466.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:45:22 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1206-07	BF141466.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:45:22 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141474.D	Acenaphthene	Jagrut	2/7/2025 3:49:22 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software
SSTDICC020	BF141475.D	Acenaphthene	Jagrut	2/7/2025 3:49:24 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF021125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1206-03DL	BF141567.D	Benzo(b)fluoranthene	Jagrut	2/11/2025 6:23:46 PM	mohammad	2/12/2025 7:26:53 AM	Peak Integrated by Software
Q1206-03DL	BF141567.D	Benzo(k)fluoranthene	Jagrut	2/11/2025 6:23:46 PM	mohammad	2/12/2025 7:26:53 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 # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F			HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
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	BF141471.D	06 Feb 2025 10:41	RC/JU	Ok
2	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07	RC/JU	Ok
3	SSTDICC005	BF141473.D	06 Feb 2025 11:34	RC/JU	Ok
4	SSTDICC010	BF141474.D	06 Feb 2025 12:00	RC/JU	Ok,M
5	SSTDICC020	BF141475.D	06 Feb 2025 12:26	RC/JU	Ok,M
6	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	RC/JU	Ok
7	SSTDICC050	BF141477.D	06 Feb 2025 13:21	RC/JU	Ok
8	SSTDICC060	BF141478.D	06 Feb 2025 13:47	RC/JU	Ok
9	SSTDICC080	BF141479.D	06 Feb 2025 14:14	RC/JU	Ok
10	SSTDICV040	BF141480.D	06 Feb 2025 15:03	RC/JU	Ok
11	PB166563BL	BF141481.D	06 Feb 2025 15:43	RC/JU	Ok
12	PB166468BS	BF141482.D	06 Feb 2025 16:09	RC/JU	Ok,M
13	PB166468BSD	BF141483.D	06 Feb 2025 16:36	RC/JU	Ok,M
14	PB166468BL	BF141484.D	06 Feb 2025 17:02	RC/JU	Ok
15	Q1214-01RE	BF141485.D	06 Feb 2025 17:34	RC/JU	Confirms
16	Q1309-01	BF141486.D	06 Feb 2025 18:00	RC/JU	Ok
17	Q1309-05	BF141487.D	06 Feb 2025 18:27	RC/JU	Ok
18	Q1309-09	BF141488.D	06 Feb 2025 18:53	RC/JU	Ok
19	Q1309-13	BF141489.D	06 Feb 2025 19:19	RC/JU	Ok
20	Q1309-13MS	BF141490.D	06 Feb 2025 19:45	RC/JU	Ok,M
21	Q1309-13MSD	BF141491.D	06 Feb 2025 20:11	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1309-17	BF141492.D	06 Feb 2025 20:37	RC/JU	Ok
23	Q1309-21	BF141493.D	06 Feb 2025 21:03	RC/JU	Ok
24	Q1216-04	BF141494.D	06 Feb 2025 21:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM				
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM				
SubDirectory	BF021125	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141550.D	11 Feb 2025 10:02	RC/JU	Ok
2	SSTDCCC040	BF141551.D	11 Feb 2025 10:28	RC/JU	Ok
3	PB166640BL	BF141552.D	11 Feb 2025 10:55	RC/JU	Ok
4	PB166640BS	BF141553.D	11 Feb 2025 11:21	RC/JU	Ok,M
5	PB166641BL	BF141554.D	11 Feb 2025 11:47	RC/JU	Ok
6	PB166641BS	BF141555.D	11 Feb 2025 12:13	RC/JU	Ok,M
7	PB166641BSD	BF141556.D	11 Feb 2025 12:39	RC/JU	Ok,M
8	PB166591TB	BF141557.D	11 Feb 2025 13:05	RC/JU	Ok
9	PB166610BS	BF141558.D	11 Feb 2025 13:32	RC/JU	Ok,M
10	Q1309-20	BF141559.D	11 Feb 2025 14:04	RC/JU	Ok
11	Q1309-24	BF141560.D	11 Feb 2025 14:30	RC/JU	ReRun
12	Q1309-08	BF141561.D	11 Feb 2025 14:56	RC/JU	Ok
13	Q1309-16	BF141562.D	11 Feb 2025 15:23	RC/JU	Ok
14	Q1309-12	BF141563.D	11 Feb 2025 15:49	RC/JU	Ok
15	Q1343-17	BF141564.D	11 Feb 2025 16:15	RC/JU	Ok
16	Q1340-01	BF141565.D	11 Feb 2025 16:42	RC/JU	Ok
17	Q1343-01	BF141566.D	11 Feb 2025 17:08	RC/JU	Ok,M
18	Q1206-03DL	BF141567.D	11 Feb 2025 17:35	RC/JU	Ok,M
19	Q1285-01DL	BF141568.D	11 Feb 2025 18:01	RC/JU	Ok,M
20	Q1346-01	BF141569.D	11 Feb 2025 18:27	RC/JU	Ok,M
21	Q1346-01MS	BF141570.D	11 Feb 2025 18:53	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM				
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM				
SubDirectory	BF021125	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1346-01MSD	BF141571.D	11 Feb 2025 19:19	RC/JU	Ok,M
23	Q1215-03	BF141572.D	11 Feb 2025 19:45	RC/JU	Ok,M
24	Q1215-03MS	BF141573.D	11 Feb 2025 20:11	RC/JU	Ok,M
25	Q1215-03MSD	BF141574.D	11 Feb 2025 20:38	RC/JU	Ok,M
26	Q1345-01	BF141575.D	11 Feb 2025 21:04	RC/JU	Ok,M

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

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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	

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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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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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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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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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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
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	BF141471.D	06 Feb 2025 10:41		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141473.D	06 Feb 2025 11:34	Compound #32,41,54 and #65 removed from 5PPM	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141474.D	06 Feb 2025 12:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141475.D	06 Feb 2025 12:26		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141477.D	06 Feb 2025 13:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141478.D	06 Feb 2025 13:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141479.D	06 Feb 2025 14:14	Compound #9 removed from 80ppm	RC/JU	Ok
10	SSTDICV040	ICVBF020625	BF141480.D	06 Feb 2025 15:03		RC/JU	Ok
11	PB166563BL	PB166563BL	BF141481.D	06 Feb 2025 15:43		RC/JU	Ok
12	PB166468BS	PB166468BS	BF141482.D	06 Feb 2025 16:09		RC/JU	Ok,M
13	PB166468BSD	PB166468BSD	BF141483.D	06 Feb 2025 16:36		RC/JU	Ok,M
14	PB166468BL	PB166468BL	BF141484.D	06 Feb 2025 17:02		RC/JU	Ok
15	Q1214-01RE	PARAMUS-CONDENS/	BF141485.D	06 Feb 2025 17:34	Surrogate Fail	RC/JU	Confirms
16	Q1309-01	WC-2	BF141486.D	06 Feb 2025 18:00		RC/JU	Ok
17	Q1309-05	WC-3	BF141487.D	06 Feb 2025 18:27		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1309-09	WC-4	BF141488.D	06 Feb 2025 18:53		RC/JU	Ok
19	Q1309-13	WC-5	BF141489.D	06 Feb 2025 19:19		RC/JU	Ok
20	Q1309-13MS	WC-5MS	BF141490.D	06 Feb 2025 19:45		RC/JU	Ok,M
21	Q1309-13MSD	WC-5MSD	BF141491.D	06 Feb 2025 20:11		RC/JU	Ok,M
22	Q1309-17	WC-6	BF141492.D	06 Feb 2025 20:37		RC/JU	Ok
23	Q1309-21	WC-8	BF141493.D	06 Feb 2025 21:03		RC/JU	Ok
24	Q1216-04	JPP-18.1-012825	BF141494.D	06 Feb 2025 21:30		RC/JU	Ok

M : Manual Integration

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 # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/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	BF141550.D	11 Feb 2025 10:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141551.D	11 Feb 2025 10:28		RC/JU	Ok
3	PB166640BL	PB166640BL	BF141552.D	11 Feb 2025 10:55		RC/JU	Ok
4	PB166640BS	PB166640BS	BF141553.D	11 Feb 2025 11:21		RC/JU	Ok,M
5	PB166641BL	PB166641BL	BF141554.D	11 Feb 2025 11:47		RC/JU	Ok
6	PB166641BS	PB166641BS	BF141555.D	11 Feb 2025 12:13		RC/JU	Ok,M
7	PB166641BSD	PB166641BSD	BF141556.D	11 Feb 2025 12:39		RC/JU	Ok,M
8	PB166591TB	PB166591TB	BF141557.D	11 Feb 2025 13:05		RC/JU	Ok
9	PB166610BS	PB166610BS	BF141558.D	11 Feb 2025 13:32		RC/JU	Ok,M
10	Q1309-20	WC-6	BF141559.D	11 Feb 2025 14:04		RC/JU	Ok
11	Q1309-24	WC-8	BF141560.D	11 Feb 2025 14:30	Internal Standard and surrogate fail	RC/JU	ReRun
12	Q1309-08	WC-3	BF141561.D	11 Feb 2025 14:56		RC/JU	Ok
13	Q1309-16	WC-5	BF141562.D	11 Feb 2025 15:23		RC/JU	Ok
14	Q1309-12	WC-4	BF141563.D	11 Feb 2025 15:49		RC/JU	Ok
15	Q1343-17	WC-14	BF141564.D	11 Feb 2025 16:15		RC/JU	Ok
16	Q1340-01	RV-SOIL	BF141565.D	11 Feb 2025 16:42		RC/JU	Ok
17	Q1343-01	WC-9	BF141566.D	11 Feb 2025 17:08		RC/JU	Ok,M

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 # BF021125

Review By	yogesh	Review On	2/12/2025 6:52:02 AM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:53 AM		
SubDirectory	BF021125	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12651,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1206-03DL	JPP-20.1-012725DL	BF141567.D	11 Feb 2025 17:35		RC/JU	Ok,M
19	Q1285-01DL	72-11977DL	BF141568.D	11 Feb 2025 18:01		RC/JU	Ok,M
20	Q1346-01	SOIL-COMP	BF141569.D	11 Feb 2025 18:27		RC/JU	Ok,M
21	Q1346-01MS	SOIL-COMPMS	BF141570.D	11 Feb 2025 18:53		RC/JU	Ok,M
22	Q1346-01MSD	SOIL-COMPMSD	BF141571.D	11 Feb 2025 19:19		RC/JU	Ok,M
23	Q1215-03	JPP-29.1-012825	BF141572.D	11 Feb 2025 19:45		RC/JU	Ok,M
24	Q1215-03MS	JPP-29.1-012825MS	BF141573.D	11 Feb 2025 20:11		RC/JU	Ok,M
25	Q1215-03MSD	JPP-29.1-012825MSD	BF141574.D	11 Feb 2025 20:38		RC/JU	Ok,M
26	Q1345-01	EO-01-021025	BF141575.D	11 Feb 2025 21:04		RC/JU	Ok,M

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)

VB 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: CP SM

Date/Time 01/28/25 17:10

Raw Sample Received by: CP SM

Raw Sample Relinquished by: [illegible]

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
Q1209-05MSD	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

166335
9:40

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

Date/Time 01/29/25 9:45
Raw Sample Received by: RS (Set log)
Raw Sample Relinquished by:

Date/Time 01/29/25 10:05
Raw Sample Received by:
Raw Sample Relinquished by: RS (Set log)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1206

Test : SVOC-TCL BNA -20

Prepbatch ID : PB166335,

Sequence ID/Qc Batch ID: BF013025,BF020325,BF020525,BF021125,

Standard ID :
EP2578,EP2580,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6717,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3815,E3827,E3828,E3846,E3848,E3871,E3874,S10103,S10104,S10246,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11087,S11093,S11099,S11103,S11138,S11141,S11160,S11161,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,S12270,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12510,S12511,S12512,S12513,S12514,S12515,S12516,S12517,S12649,S12650,S12651,S12790,S12791,

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

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

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

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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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = 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
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patell 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = 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
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = 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
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patell 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 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 #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

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 #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

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

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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	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

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

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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	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

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

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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	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

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-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

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

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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-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

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-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

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

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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-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

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

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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	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

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

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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

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

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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

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

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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	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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

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

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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	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

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

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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	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

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

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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

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	08/07/2025	02/07/2025 / anahy	09/20/2024 / anahy	S12651

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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

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	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

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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
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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.

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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

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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

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Jacob Mulloy
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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

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Certified By: _____
Shane Overcash
Chemist

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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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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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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
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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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by TUV USA to ISO 9001:2015

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

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: 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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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

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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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 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 **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

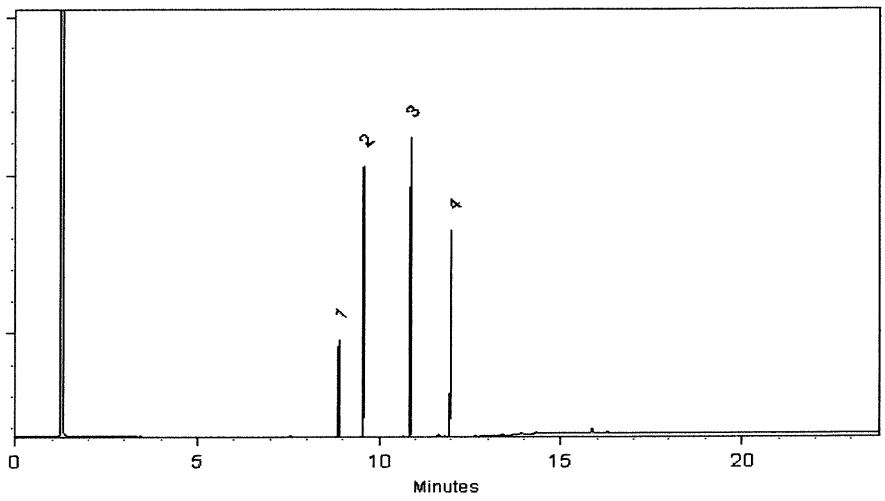
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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 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
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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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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
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
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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)

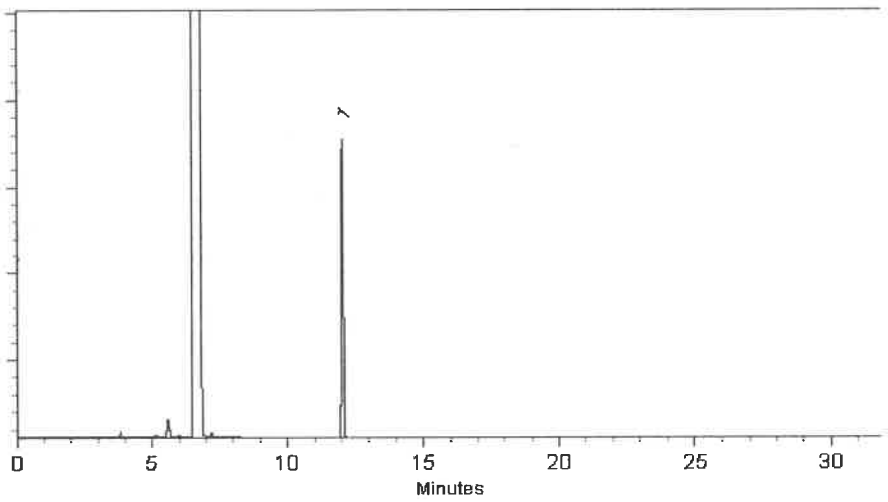
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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)

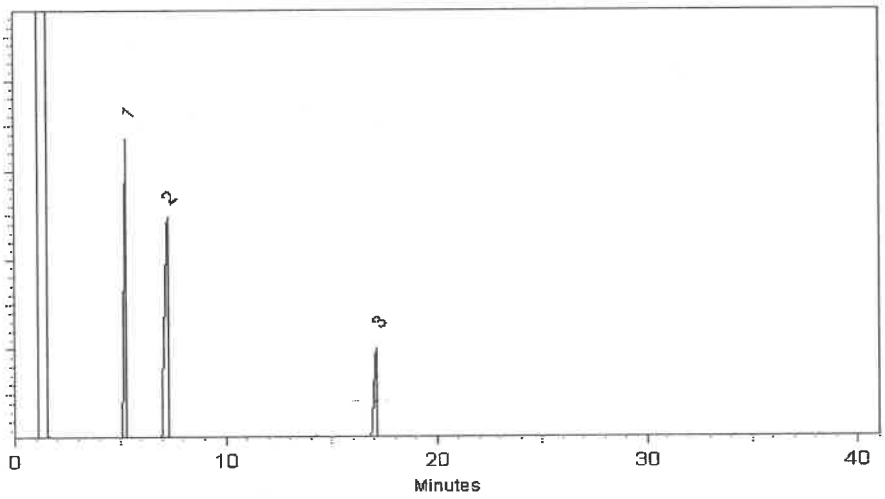
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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)

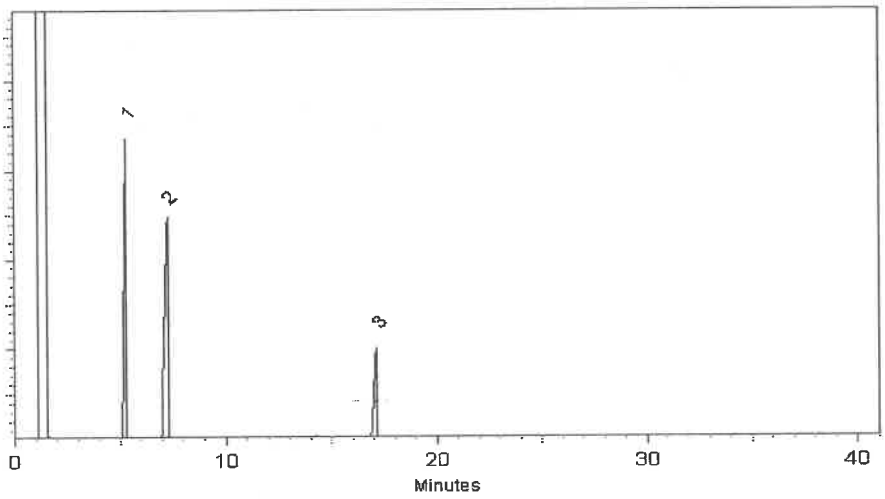
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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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)

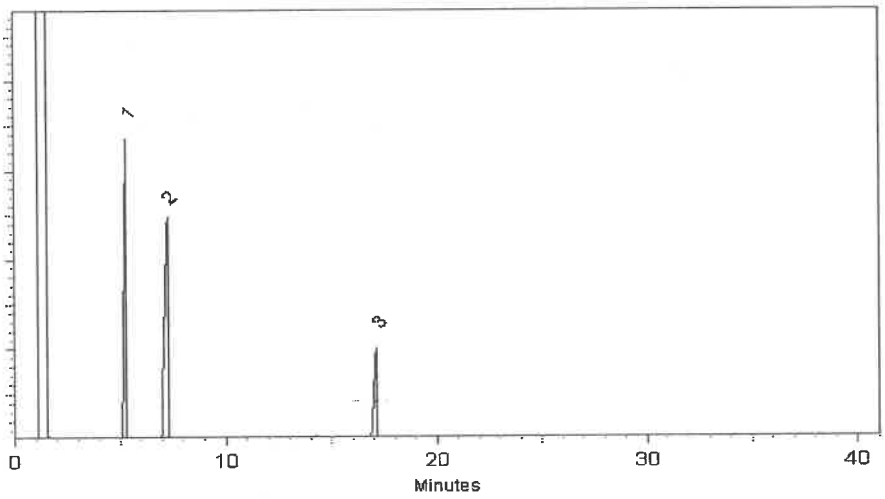
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 $10981 to $11010

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)

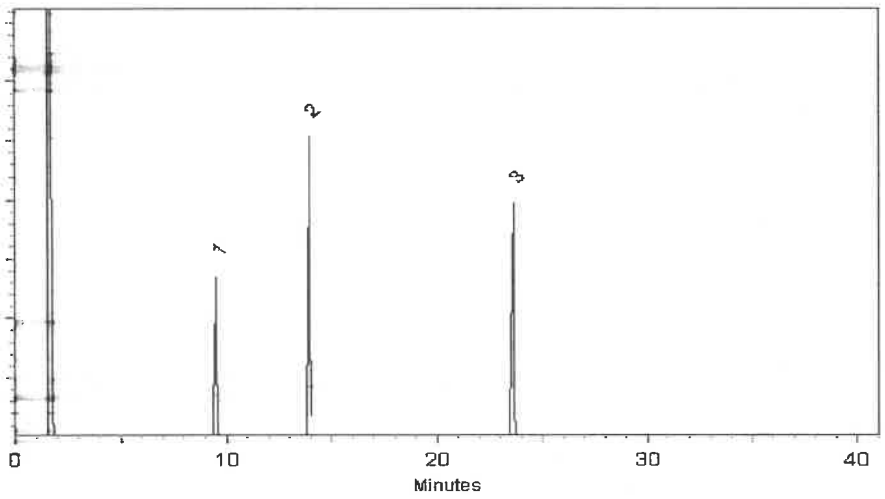
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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

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Received by CG on 12/28/22 $10981 to $11010

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)

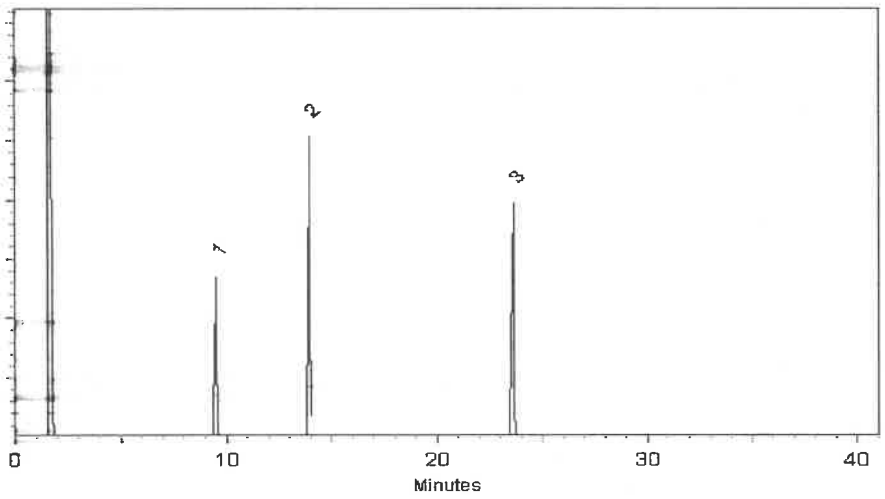
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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

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Received by CG on 12/28/22 $10981 to $11010

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)

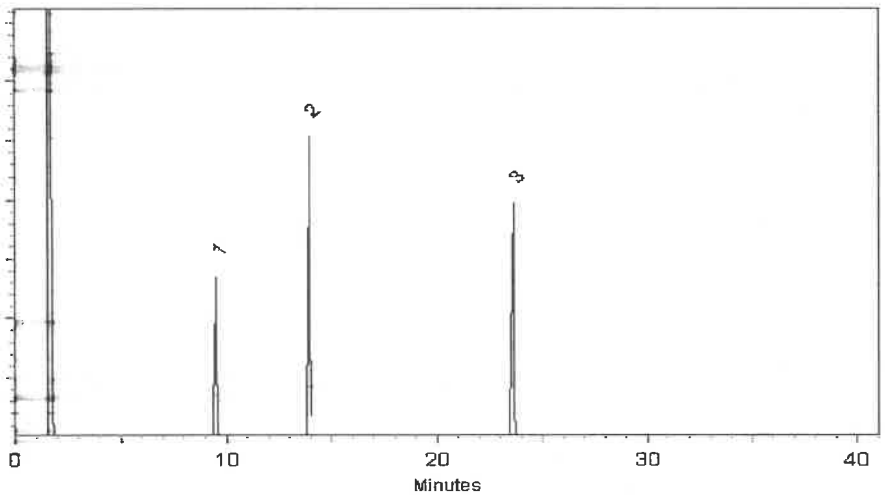
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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)

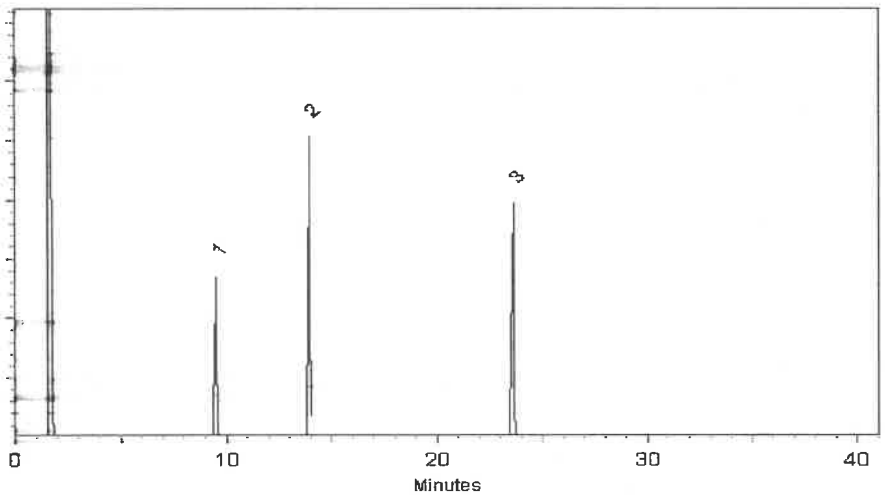
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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)	
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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:
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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
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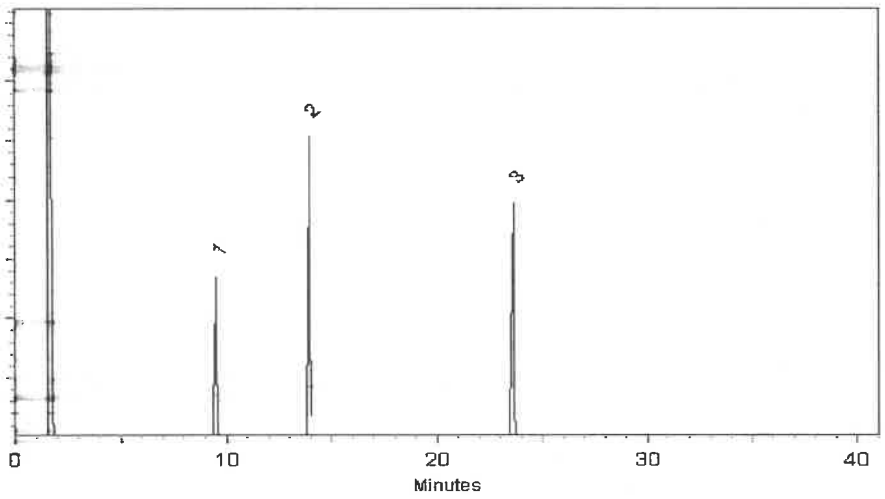

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

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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)

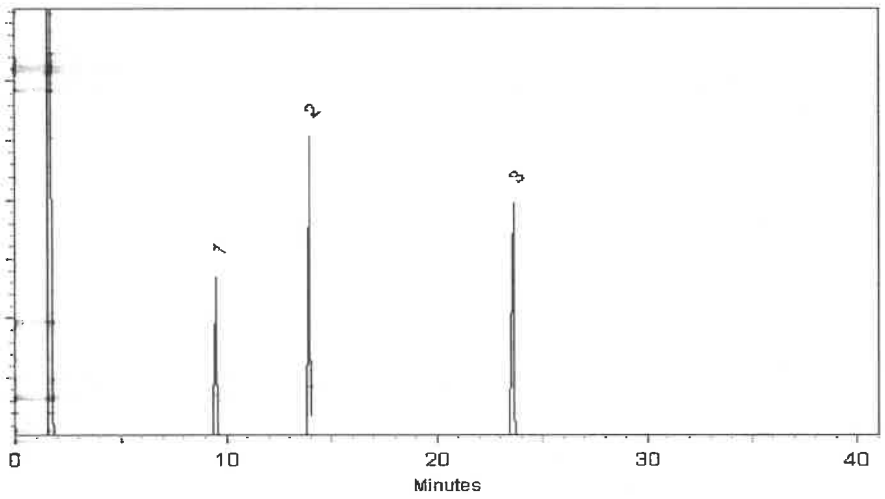
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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.

Received by CG on 12/28/22 $10981 to $11010

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)

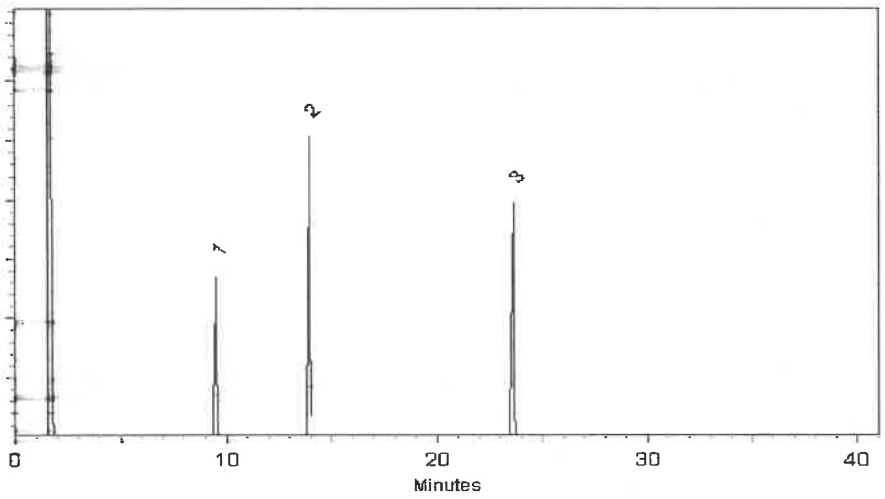
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

CERTIFIED

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.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ɜnded 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.

ıds 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 ɔmpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

ɜrtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ıty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ıty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

ɜrage factor of 2, which gives a level of confidence of approximately 95%.

ıged 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 Γ 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 ɳ, 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 ɟards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ɜm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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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. : 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

:es:

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 RB 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

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

Avantor Performance Materials LLC

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

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Avantor Performance Materials LLC

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
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	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 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 3874

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.

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.

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:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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:

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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.)

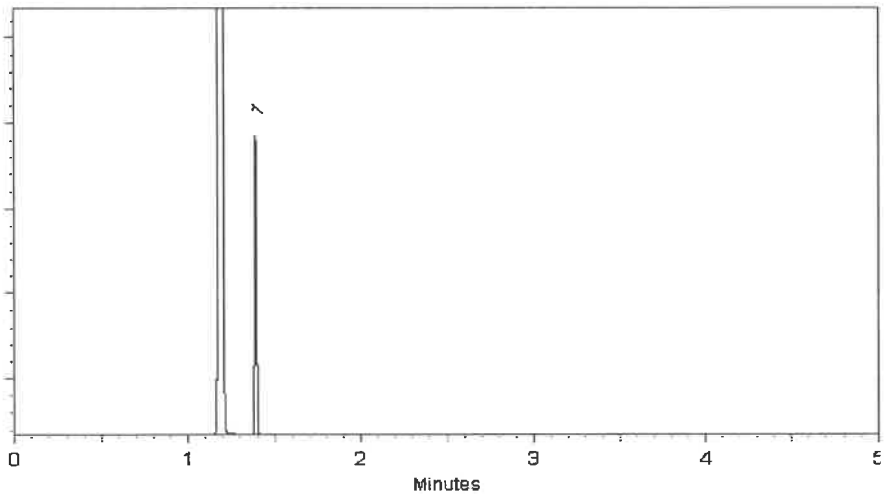
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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:

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Manufacturing Notes:

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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.)

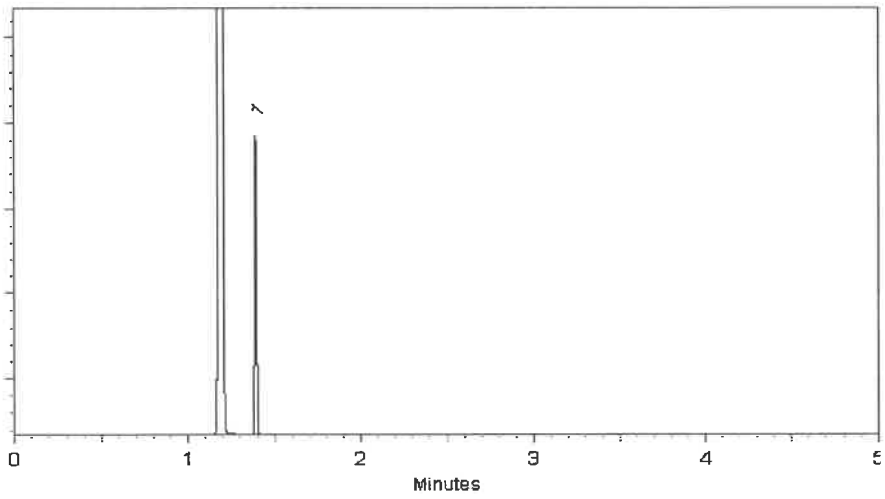
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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:

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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

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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:
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Det. Temp:
340°C

Det. Type:
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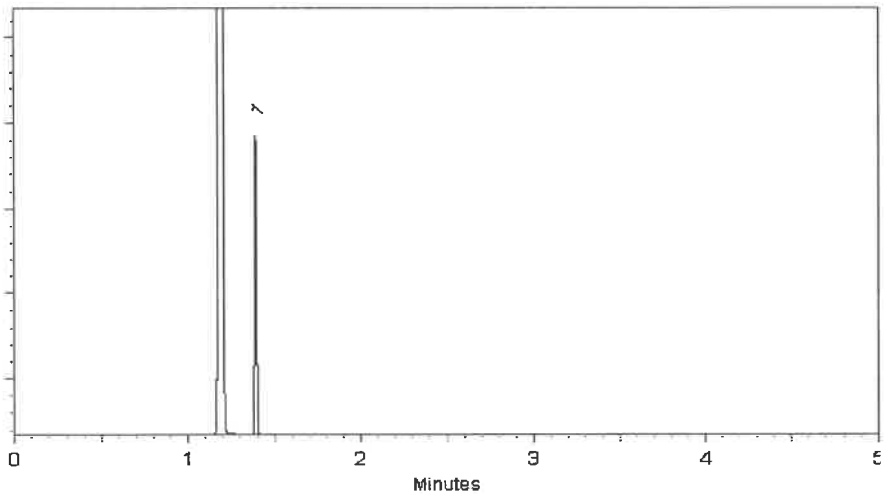
Split Vent:
100 ml/min.

Inj. Vol
1µl



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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

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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Temp. Program:
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@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
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Det. Temp:
340°C

Det. Type:
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Split Vent:
100 ml/min.

Inj. Vol
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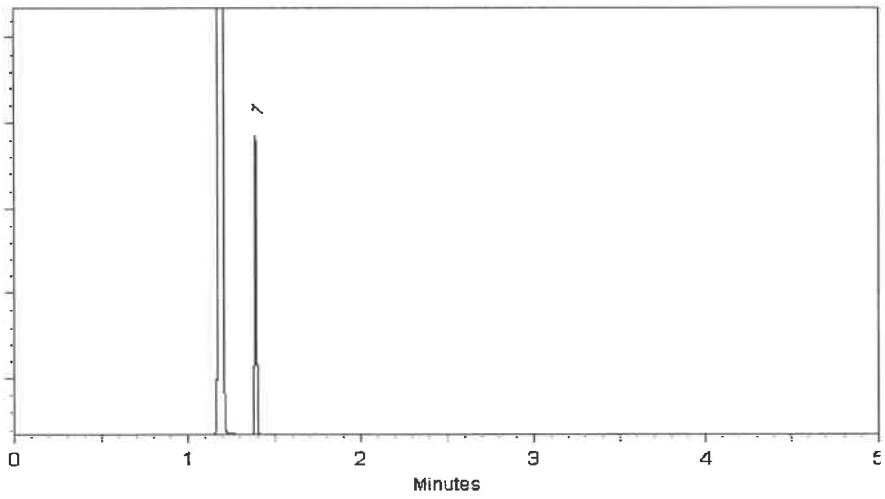

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Sam Moodler - Operations Tech I

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

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S11749 ↓ S11794 RC 11/30/23

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Split Vent:
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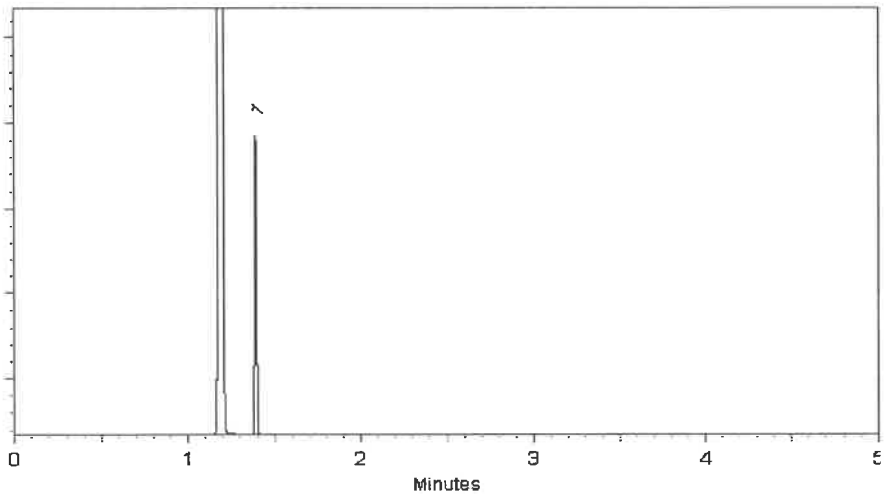

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Sam Moodler - Operations Tech I

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

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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.

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-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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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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

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. : 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%

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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. : 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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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. : 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%

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

chromatographic plus

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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

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Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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
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CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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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
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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%

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

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. : 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%

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

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. : 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%

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

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. : 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%

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

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. : 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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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. : 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.)

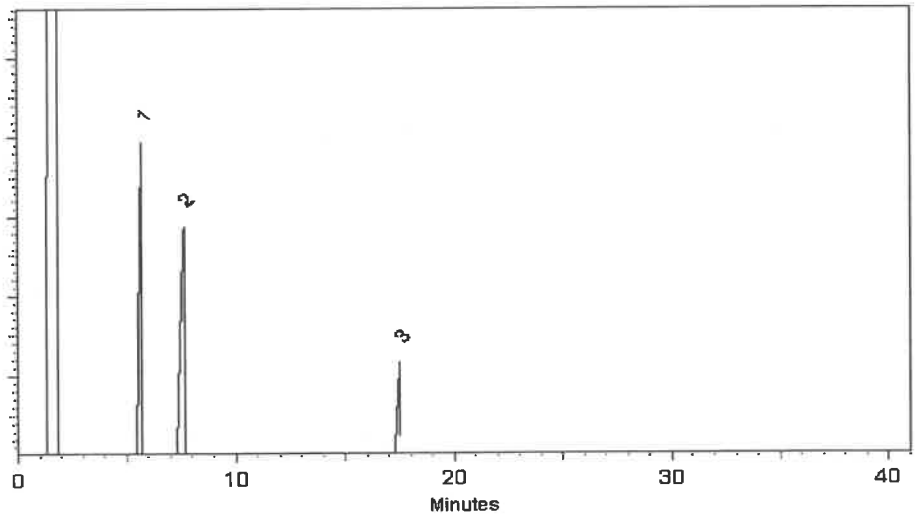
Inj. Temp:
250°C

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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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. : 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.)

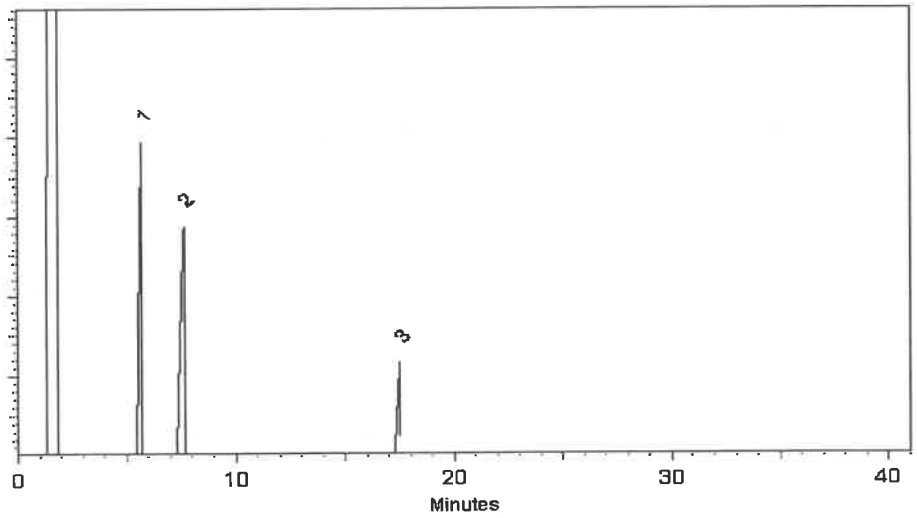
Inj. Temp:
250°C

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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Testing Laboratory
Certificate #3222.02

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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.

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.)

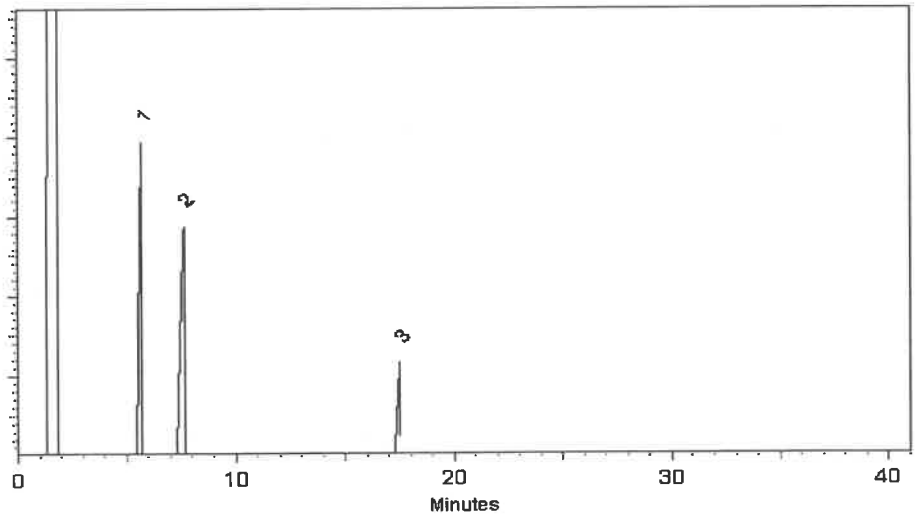
Inj. Temp:
250°C

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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ilac-MRA A2LA 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. : 31086 **Lot No.:** A0206381

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

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.)

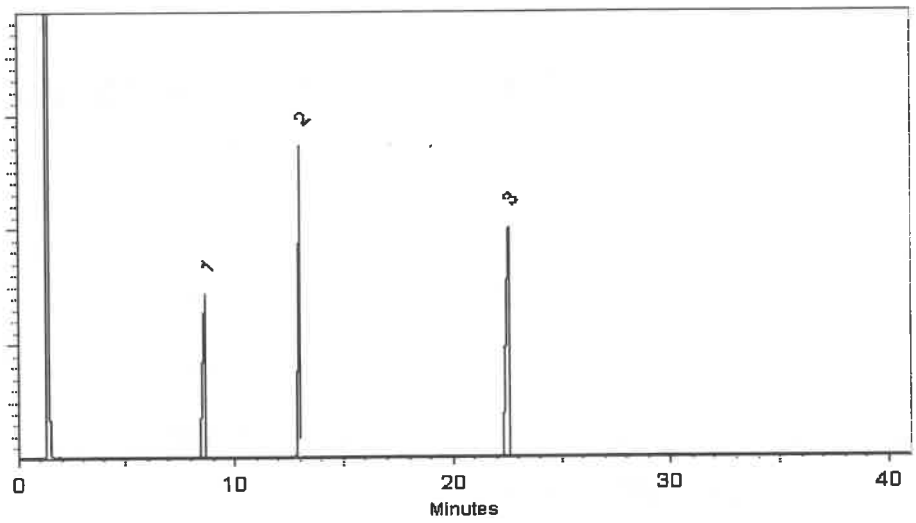
Inj. Temp:
250°C

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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ilac-MRA A2LA 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. : 31086 **Lot No.:** A0206381

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 : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

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.)

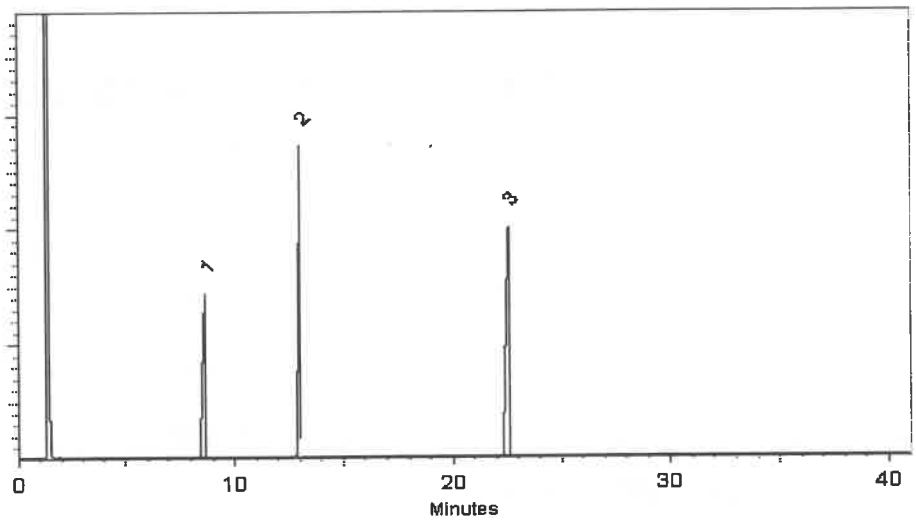
Inj. Temp:
250°C

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

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-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	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	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
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.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
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.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
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.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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CPI INTERNATIONAL

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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-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.

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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.

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Bellefonte, PA 16823-8812
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chromatographic plus

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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.)

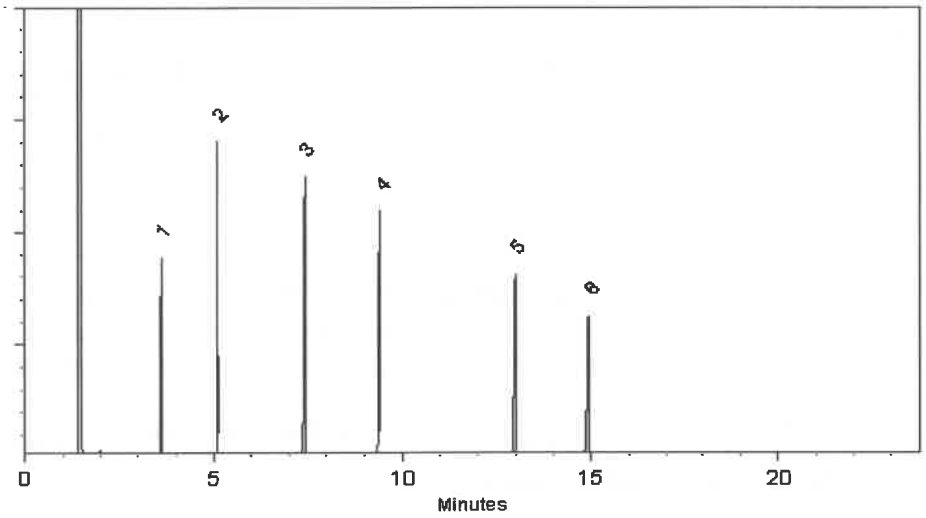
Inj. Temp:
250°C

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

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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. : 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.
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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:

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Manufacturing Notes:

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Handling Notes:

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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:

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Manufacturing Notes:

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Handling Notes:

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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:

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- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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Handling Notes:

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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.

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- Purity values are rounded to the nearest whole number.

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  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:

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Handling Notes:

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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:

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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. : 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

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Description : Custom 8270 Plus Standard #1

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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)
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Rebecca Gingerich - Operations Tech II

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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)
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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

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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.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 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

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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.
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Manufacturing Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 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

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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Custom 8270 Plus Standard #2 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

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.01

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. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 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

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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.
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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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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

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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.

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

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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. Q1206
QUOTE NO.
COC Number 2041690

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY: ZIP:
ATTENTION: Rutu Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMCR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Rutu 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 VOC + TICs + 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-20,1-012725	Soil		G	1/27/25	14:15	3	X	X	X							
2.	JPP-20,1-012725	Soil	C		1/27/25	14:18	7			X	X	X	X	X	X	X	
3.	JPP-16,3-012725	Soil		G	1/27/25	15:10	3	X	X	X							
4.	JPP-16,3-012725	Soil	C		1/27/25	15:15	7			X	X	X	X	X	X	X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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:	DATE/TIME:
1. RM	1/28/2025	1.	1053 1-28-25
2.		2.	
3.	1259 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

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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 : Q1206 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:18:51 AM
Project Name : ~~SANDTWOBR BMCR Bro~~ YG 02/03/25 NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-01	JPP-20.1-012725	Solid	01/27/2025	14:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1206-05	JPP-16.3-012725	Solid	01/27/2025	15:10					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1-28-25 1447

Received By :
Date / Time : 1/28/25 14:47

Storage Area : VOA Refridgerator Room

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1206 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:18:51 AM
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 1/28/2025 2:56:10 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1206-~~03~~01	JPP-20.1-012725	Solid	01/27/2025	~~14:18~~ 14:15	Gasoline Range Organics		8015D		10 Bus. Days
Q1206-~~07~~05	JPP-16.3-012725	Solid	01/27/2025	~~15:17~~ 15:10	Gasoline Range Organics		8015D		10 Bus. Days

YG
02/03/25

Relinguished By :
Date / Time : 1-28-25 1447

Received By : Sam
Date / Time : 1/28/25 14:47
Storage Area : VOA Refridgerator Room

Refr. P22