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Cover Page

Order ID : Q1383

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1383-01	OU4-PCS-TC-11-021725
Q1383-02	OU4-PCS-TC-11-021725
Q1383-03	OU4-PCS-TC-12-021725
Q1383-04	OU4-PCS-TC-12-021725
Q1383-05	OU4-PCS-TC-13-021725
Q1383-06	OU4-PCS-TC-13-021725
Q1383-07	OU4-PCS-TC-14-021725
Q1383-08	OU4-PCS-TC-14-021725
Q1383-09	OU4-PCS-TC-15-021725
Q1383-10	OU4-PCS-TC-15-021725
Q1383-11	OU4-PCS-TC-16-021725
Q1383-12	OU4-PCS-TC-16-021725
Q1383-13	OU4-PCS-TC-17-021725
Q1383-14	OU4-PCS-TC-17-021725
Q1383-15	OU4-PCS-TC-18-021725
Q1383-16	OU4-PCS-TC-18-021725
Q1383-17	OU4-PCS-TC-19-021725
Q1383-18	OU4-PCS-TC-19-021725
Q1383-19	OU4-PCS-TC-20-021725
Q1383-20	OU4-PCS-TC-20-021725
Q1383-21	OU4-CF-15-021725
Q1383-22	OU4-CF-15-021725

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: 2/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Chemtech Project # Q1383
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 02/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SVOCMS Group3.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group3 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 recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141671.D met the requirements except for Benzo(g,h,i)perylene failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

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The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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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: Q1383 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 File ID BF141671.D met the requirements except for Benzo(g,h,i)perylene failing high but no positive hit in associated samples therefore no corrective action taken.			
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 Blank Spike met requirements for all samples .			
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:			

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 (CONTINUED)

		NA	NO	YES
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

The not QT review data is reported in the Miscellaneous.

The soil samples results are based on a dry weight basis.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1383**

	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:** **02/24/2025**

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LAB CHRONICLE

OrderID:	Q1383	**OrderDate:**	2/18/2025 11:19:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	H31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1383-01	**OU4-PCS-TC-11-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1383-03	**OU4-PCS-TC-12-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1383-05	**OU4-PCS-TC-13-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1383-07	**OU4-PCS-TC-14-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1383-09	**OU4-PCS-TC-15-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/19/25	
Q1383-11	**OU4-PCS-TC-16-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/20/25	
Q1383-13	**OU4-PCS-TC-17-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/20/25	
Q1383-15	**OU4-PCS-TC-18-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/20/25	
Q1383-17	**OU4-PCS-TC-19-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/20/25	

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LAB CHRONICLE

Q1383-19	**OU4-PCS-TC-20-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/20/25	
Q1383-21	**OU4-CF-15-021725**	**SOIL**			**02/17/25**			**02/18/25**
			SVOCMS Group3	8270E		02/19/25	02/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1383

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
				0.000					
			Total Svoc :		**0.00**				
			Total Concentration:		**0.00**				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB166776BL	PB166776BL	Nitrobenzene-d5	100	83.7	84		37	122
		2-Fluorobiphenyl	100	88.0	88		44	115
		Terphenyl-d14	100	92.0	92		54	127
PB166776BS	PB166776BS	Nitrobenzene-d5	100	88.5	88		37	122
		2-Fluorobiphenyl	100	94.1	94		44	115
		Terphenyl-d14	100	96.1	96		54	127
Q1383-01	OU4-PCS-TC-11-021725	Nitrobenzene-d5	100	55.2	55		37	122
		2-Fluorobiphenyl	100	57.8	58		44	115
		Terphenyl-d14	100	66.6	67		54	127
Q1383-03	OU4-PCS-TC-12-021725	Nitrobenzene-d5	100	57.0	57		37	122
		2-Fluorobiphenyl	100	60.1	60		44	115
		Terphenyl-d14	100	70.7	71		54	127
Q1383-05	OU4-PCS-TC-13-021725	Nitrobenzene-d5	100	58.4	58		37	122
		2-Fluorobiphenyl	100	61.9	62		44	115
		Terphenyl-d14	100	72.0	72		54	127
Q1383-07	OU4-PCS-TC-14-021725	Nitrobenzene-d5	100	63.6	64		37	122
		2-Fluorobiphenyl	100	69.0	69		44	115
		Terphenyl-d14	100	79.8	80		54	127
Q1383-09	OU4-PCS-TC-15-021725	Nitrobenzene-d5	100	76.3	76		37	122
		2-Fluorobiphenyl	100	80.2	80		44	115
		Terphenyl-d14	100	96.5	96		54	127
Q1383-09MS	OU4-PCS-TC-15-021725MS	Nitrobenzene-d5	100	57.0	57		37	122
		2-Fluorobiphenyl	100	60.6	61		44	115
		Terphenyl-d14	100	71.8	72		54	127
Q1383-09MSD	OU4-PCS-TC-15-021725MSD	Nitrobenzene-d5	100	54.4	54		37	122
		2-Fluorobiphenyl	100	59.2	59		44	115
		Terphenyl-d14	100	69.2	69		54	127
Q1383-11	OU4-PCS-TC-16-021725	Nitrobenzene-d5	100	53.4	53		37	122
		2-Fluorobiphenyl	100	57.7	58		44	115
		Terphenyl-d14	100	61.1	61		54	127
Q1383-13	OU4-PCS-TC-17-021725	Nitrobenzene-d5	100	52.6	53		37	122
		2-Fluorobiphenyl	100	56.1	56		44	115
		Terphenyl-d14	100	59.5	60		54	127
Q1383-15	OU4-PCS-TC-18-021725	Nitrobenzene-d5	100	60.3	60		37	122
		2-Fluorobiphenyl	100	63.6	64		44	115
		Terphenyl-d14	100	69.1	69		54	127
Q1383-17	OU4-PCS-TC-19-021725	Nitrobenzene-d5	100	54.2	54		37	122
		2-Fluorobiphenyl	100	57.9	58		44	115
		Terphenyl-d14	100	66.4	66		54	127
Q1383-19	OU4-PCS-TC-20-021725	Nitrobenzene-d5	100	50.0	50		37	122
		2-Fluorobiphenyl	100	54.7	55		44	115
		Terphenyl-d14	100	61.1	61		54	127
Q1383-21	OU4-CF-15-021725	Nitrobenzene-d5	100	61.6	62		37	122
		2-Fluorobiphenyl	100	65.4	65		44	115
		Terphenyl-d14	100	72.2	72		54	127

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1383-09MS		**Client Sample ID: OU4-PCS-TC-15-021725MS**						**DataFile: BF141691.D**			
Naphthalene	1800	0	1500	ug/Kg	83				35	123	
2-Methylnaphthalene	1800	0	1500	ug/Kg	83				38	122	
Acenaphthylene	1800	0	1600	ug/Kg	89				32	132	
Acenaphthene	1800	0	1500	ug/Kg	83				40	123	
Fluorene	1800	0	1500	ug/Kg	83				43	125	
Phenanthrene	1800	0	1600	ug/Kg	89				50	121	
Anthracene	1800	0	1600	ug/Kg	89				47	123	
Fluoranthene	1800	0	1400	ug/Kg	78				50	127	
Pyrene	1800	0	1700	ug/Kg	94				47	127	
Benzo(a)anthracene	1800	0	1500	ug/Kg	83				49	126	
Chrysene	1800	0	1600	ug/Kg	89				50	124	
Benzo(b)fluoranthene	1800	0	1300	ug/Kg	72				45	132	
Benzo(k)fluoranthene	1800	0	1600	ug/Kg	89				47	132	
Benzo(a)pyrene	1800	0	1600	ug/Kg	89				45	129	
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94				43	134	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1383-09MSD		**Client Sample ID: OU4-PCS-TC-15-021725MSD**						**DataFile: BF141692.D**			
Naphthalene	1800	0	1400	ug/Kg	78		6		35	123	20
2-Methylnaphthalene	1800	0	1400	ug/Kg	78		6		38	122	20
Acenaphthylene	1800	0	1600	ug/Kg	89		0		32	132	20
Acenaphthene	1800	0	1400	ug/Kg	78		6		40	123	20
Fluorene	1800	0	1500	ug/Kg	83		0		43	125	20
Phenanthrene	1800	0	1500	ug/Kg	83		7		50	121	20
Anthracene	1800	0	1600	ug/Kg	89		0		47	123	20
Fluoranthene	1800	0	1400	ug/Kg	78		0		50	127	20
Pyrene	1800	0	1600	ug/Kg	89		5		47	127	20
Benzo(a)anthracene	1800	0	1500	ug/Kg	83		0		49	126	20
Chrysene	1800	0	1500	ug/Kg	83		7		50	124	20
Benzo(b)fluoranthene	1800	0	1300	ug/Kg	72		0		45	132	20
Benzo(k)fluoranthene	1800	0	1600	ug/Kg	89		0		47	132	20
Benzo(a)pyrene	1800	0	1600	ug/Kg	89		0		45	129	20
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100		0		45	133	20
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100		0		45	134	20
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94		0		43	134	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1383

Client: Nobis Group

Analytical Method: 8270E **DataFile:** BF141699.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166776BS	Naphthalene	1700	1400	ug/Kg	82				35	123	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				38	122	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	Acenaphthene	1700	1400	ug/Kg	82				40	123	
	Fluorene	1700	1400	ug/Kg	82				43	125	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1600	ug/Kg	94				47	123	
	Fluoranthene	1700	1400	ug/Kg	82				50	127	
	Pyrene	1700	1400	ug/Kg	82				47	127	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				45	132	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				47	132	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				45	133	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				45	134	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				43	134	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166776BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

Lab File ID: BF141698.D Lab Sample ID: PB166776BL

Instrument ID: BNA_F Date Extracted: 02/19/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/20/2025

Level: (low/med) LOW Time Analyzed: 12:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166776BS	PB166776BS	BF141699.D	02/20/2025
OU4-PCS-TC-16-021725	Q1383-11	BF141700.D	02/20/2025
OU4-PCS-TC-17-021725	Q1383-13	BF141701.D	02/20/2025
OU4-PCS-TC-18-021725	Q1383-15	BF141702.D	02/20/2025
OU4-PCS-TC-19-021725	Q1383-17	BF141703.D	02/20/2025
OU4-PCS-TC-20-021725	Q1383-19	BF141704.D	02/20/2025
OU4-CF-15-021725	Q1383-21	BF141705.D	02/20/2025
OU4-PCS-TC-11-021725	Q1383-01	BF141686.D	02/19/2025
OU4-PCS-TC-12-021725	Q1383-03	BF141687.D	02/19/2025
OU4-PCS-TC-13-021725	Q1383-05	BF141688.D	02/19/2025
OU4-PCS-TC-14-021725	Q1383-07	BF141689.D	02/19/2025
OU4-PCS-TC-15-021725	Q1383-09	BF141690.D	02/19/2025
OU4-PCS-TC-15-021725MS	Q1383-09MS	BF141691.D	02/19/2025
OU4-PCS-TC-15-021725MSD	Q1383-09MSD	BF141692.D	02/19/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1383 SDG NO.: Q1383

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

Raw Data: **BF141670.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1383 SDG NO.: Q1383

Lab File ID: BF141670.D DFTPP Injection Date: 02/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.9
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	26.7
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.9 (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
SSTDCCC040	SSTDCCC040	BF141671.D	02/19/2025	12:47
OU4-PCS-TC-11-021725	Q1383-01	BF141686.D	02/19/2025	20:39
OU4-PCS-TC-12-021725	Q1383-03	BF141687.D	02/19/2025	21:09
OU4-PCS-TC-13-021725	Q1383-05	BF141688.D	02/19/2025	21:38
OU4-PCS-TC-14-021725	Q1383-07	BF141689.D	02/19/2025	22:07
OU4-PCS-TC-15-021725	Q1383-09	BF141690.D	02/19/2025	22:37
OU4-PCS-TC-15-021725MS	Q1383-09MS	BF141691.D	02/19/2025	23:06
OU4-PCS-TC-15-021725MSD	Q1383-09MSD	BF141692.D	02/19/2025	23:36
SSTDCCC040EC	SSTDCCC040	BF141693.D	02/20/2025	00:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1383 SDG NO.: Q1383

Lab File ID: BF141694.D DFTPP Injection Date: 02/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.9
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 (0.6) 1
127	10.0 - 80.0% of mass 198	48.9
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	7.1
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14 (19.2) 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	BF141695.D	02/20/2025	10:04
PB166776BL	PB166776BL	BF141698.D	02/20/2025	12:33
PB166776BS	PB166776BS	BF141699.D	02/20/2025	13:03
OU4-PCS-TC-16-021725	Q1383-11	BF141700.D	02/20/2025	13:36
OU4-PCS-TC-17-021725	Q1383-13	BF141701.D	02/20/2025	14:06
OU4-PCS-TC-18-021725	Q1383-15	BF141702.D	02/20/2025	14:36
OU4-PCS-TC-19-021725	Q1383-17	BF141703.D	02/20/2025	15:07
OU4-PCS-TC-20-021725	Q1383-19	BF141704.D	02/20/2025	15:36
OU4-CF-15-021725	Q1383-21	BF141705.D	02/20/2025	16:05
SSTDCCC040EC	SSTDCCC040	BF141707.D	02/20/2025	17:09

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/19/2025

Lab File ID: BF141671.D Time Analyzed: 12:47

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	144854	6.781	529423	8.07	263870	9.82
	UPPER LIMIT	289708	7.281	1058850	8.569	527740	10.322
	LOWER LIMIT	72427	6.281	264712	7.569	131935	9.322
	EPA SAMPLE NO.						
01	OU4-PCS-TC-11-021725	88276	6.78	353732	8.06	190080	9.81
02	OU4-PCS-TC-12-021725	90790	6.78	362025	8.06	192735	9.82
03	OU4-PCS-TC-13-021725	90325	6.78	359030	8.06	192044	9.82
04	OU4-PCS-TC-14-021725	87499	6.78	348299	8.06	182351	9.82
05	OU4-PCS-TC-15-021725	93977	6.78	374022	8.06	200098	9.81
06	OU4-PCS-TC-15-021725MS	91383	6.78	356803	8.06	191594	9.82
07	OU4-PCS-TC-15-021725MSD	92518	6.78	366969	8.06	197029	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.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/19/2025

Lab File ID: BF141671.D Time Analyzed: 12:47

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	393121	11.304	243707	13.945	298525	15.386
	UPPER LIMIT	786242	11.804	487414	14.445	597050	15.886
	LOWER LIMIT	196561	10.804	121854	13.445	149263	14.886
	EPA SAMPLE NO.						
01	OU4-PCS-TC-11-021725	316714	11.30	169195	13.93	172083	15.38
02	OU4-PCS-TC-12-021725	317483	11.30	170220	13.93	174477	15.38
03	OU4-PCS-TC-13-021725	317895	11.30	170108	13.93	175024	15.38
04	OU4-PCS-TC-14-021725	309267	11.30	162170	13.93	167944	15.38
05	OU4-PCS-TC-15-021725	336579	11.30	182552	13.93	183803	15.38
06	OU4-PCS-TC-15-021725MS	315237	11.30	173447	13.94	184904	15.38
07	OU4-PCS-TC-15-021725MSD	324047	11.30	182126	13.94	184442	15.38

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.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/20/2025

Lab File ID: BF141695.D Time Analyzed: 10:04

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	80069	6.781	307804	8.06	159807	9.82
	UPPER LIMIT	160138	7.281	615608	8.563	319614	10.316
	LOWER LIMIT	40034.5	6.281	153902	7.563	79903.5	9.316
	EPA SAMPLE NO.						
01	PB166776BL	87229	6.78	339851	8.06	180981	9.81
02	PB166776BS	87175	6.78	332694	8.06	173693	9.82
03	OU4-PCS-TC-16-021725	82444	6.78	322017	8.06	167817	9.81
04	OU4-PCS-TC-17-021725	83503	6.78	327906	8.06	173956	9.81
05	OU4-PCS-TC-18-021725	84665	6.78	329153	8.06	174135	9.81
06	OU4-PCS-TC-19-021725	89237	6.78	348436	8.06	184599	9.81
07	OU4-PCS-TC-20-021725	89180	6.78	355178	8.06	185538	9.82
08	OU4-CF-15-021725	89370	6.78	350480	8.06	181694	9.81

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.: Q1383 SAS No.: Q1383 SDG NO.: Q1383

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/20/2025

Lab File ID: BF141695.D Time Analyzed: 10:04

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	248423	11.298	161001	13.939	169222	15.38
	UPPER LIMIT	496846	11.798	322002	14.439	338444	15.88
	LOWER LIMIT	124212	10.798	80500.5	13.439	84611	14.88
	EPA SAMPLE NO.						
01	PB166776BL	295461	11.30	194169	13.94	170584	15.38
02	PB166776BS	269657	11.30	173634	13.94	176994	15.38
03	OU4-PCS-TC-16-021725	284309	11.30	192403	13.93	145631	15.37
04	OU4-PCS-TC-17-021725	294630	11.30	196352	13.93	158833	15.38
05	OU4-PCS-TC-18-021725	300993	11.30	190107	13.93	159816	15.37
06	OU4-PCS-TC-19-021725	314386	11.30	193483	13.94	168330	15.38
07	OU4-PCS-TC-20-021725	316202	11.30	190956	13.94	170452	15.38
08	OU4-CF-15-021725	311871	11.30	182612	13.94	168942	15.38

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: **BF141686.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141686.D	1	02/19/25 10:05	02/19/25 20:39	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.087	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.089	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.086	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	55.2		37 - 122		55%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.8		44 - 115		58%	SPK: 100
1718-51-0	Terphenyl-d14	66.6		54 - 127		67%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88300	6.781				
1146-65-2	Naphthalene-d8	354000	8.063				
15067-26-2	Acenaphthene-d10	190000	9.81				
1517-22-2	Phenanthrene-d10	317000	11.298				
1719-03-5	Chrysene-d12	169000	13.933				
1520-96-3	Perylene-d12	172000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141686.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-11-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141686.D	1	02/19/25 10:05	02/19/25 20:39	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF021925\
Data File : BF141686.D
Acq On : 19 Feb 2025 20:39
Operator : RC/JU
Sample : Q1383-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Quant Time: Feb 20 00:14:20 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

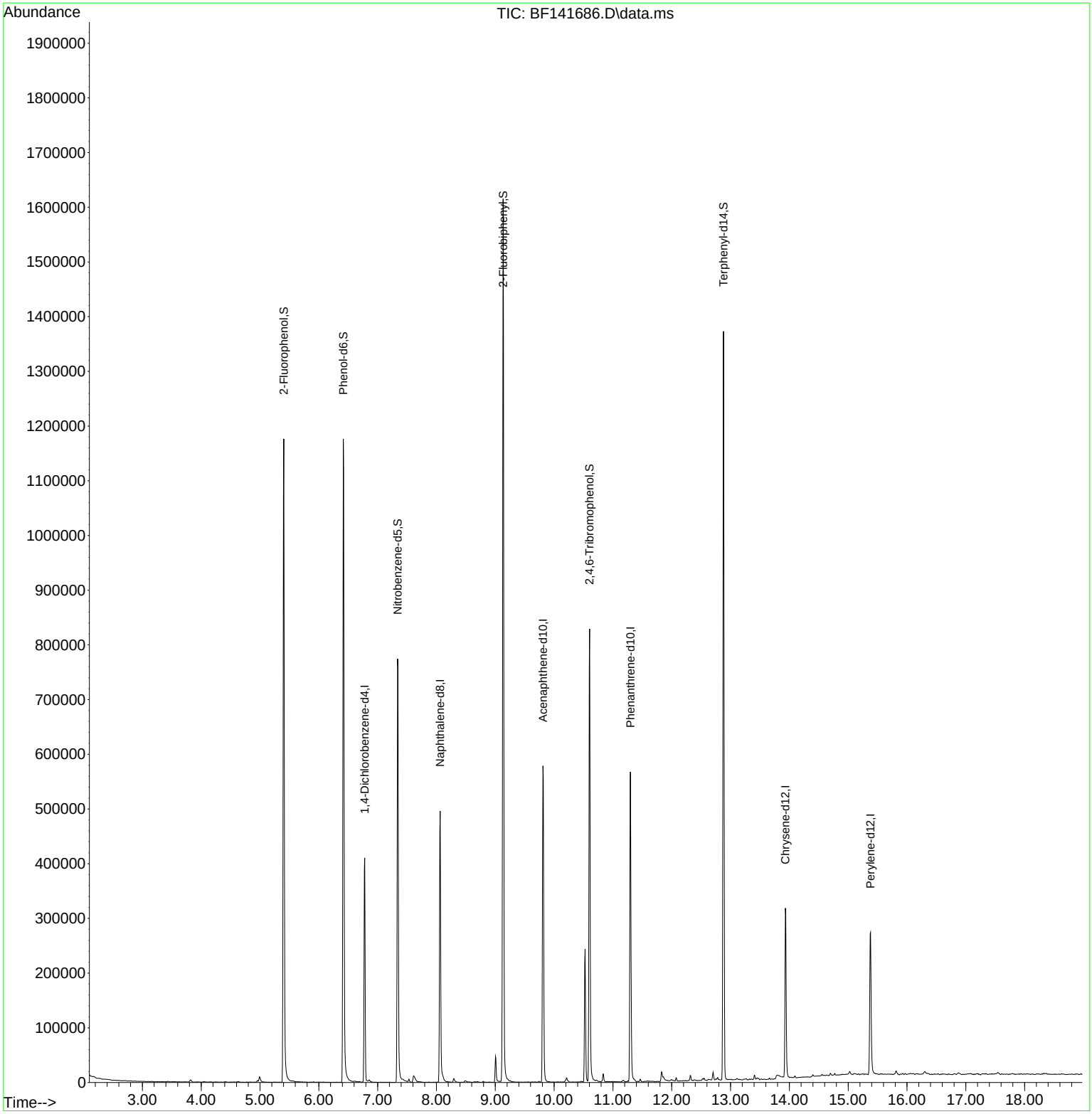
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	88276	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	353732	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	190080	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	316714	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	169195	20.000	ng	-0.03
86) Perylene-d12	15.380	264	172083	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	459658	81.633	ng	0.00
7) Phenol-d6	6.416	99	570257	80.128	ng	-0.02
23) Nitrobenzene-d5	7.339	82	374170	55.172	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	141077	73.884	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	713461	57.828	ng	-0.02
79) Terphenyl-d14	12.880	244	667649	66.616	ng	-0.02
Target Compounds						Qvalue

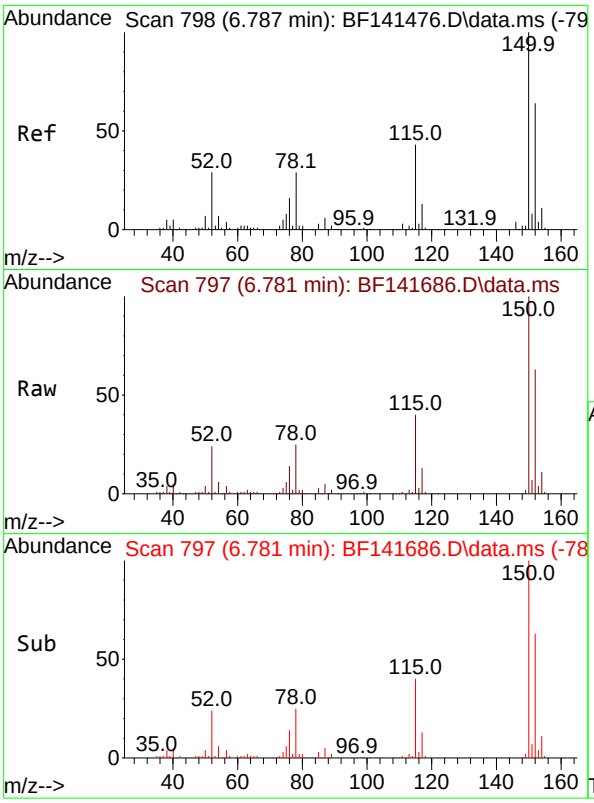
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141686.D
Acq On : 19 Feb 2025 20:39
Operator : RC/JU
Sample : Q1383-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Quant Time: Feb 20 00:14:20 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



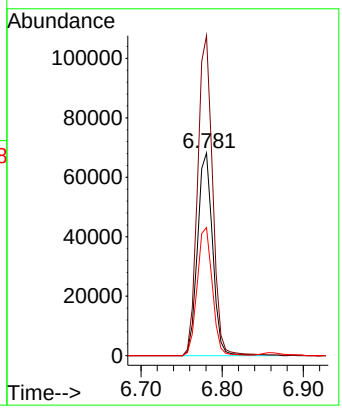


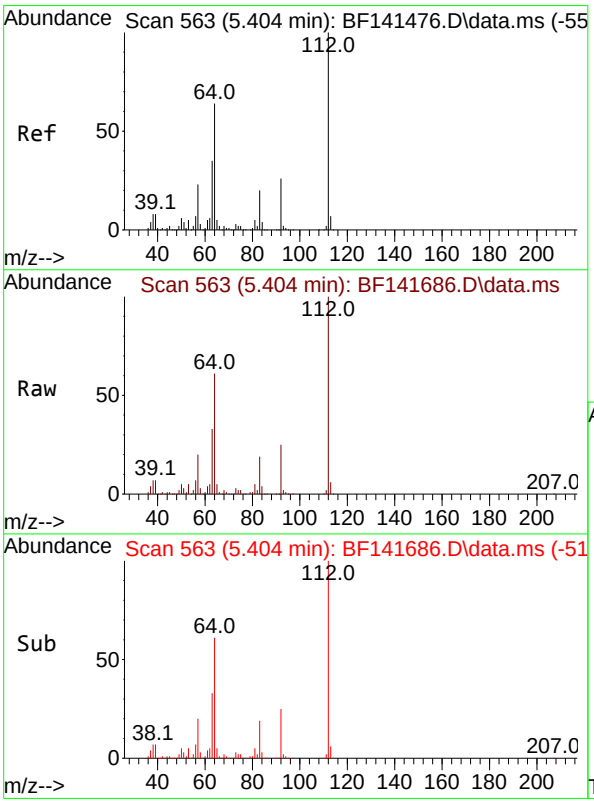
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Tgt Ion:152 Resp: 88276

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.0	187.4
115	63.2	53.6	80.4

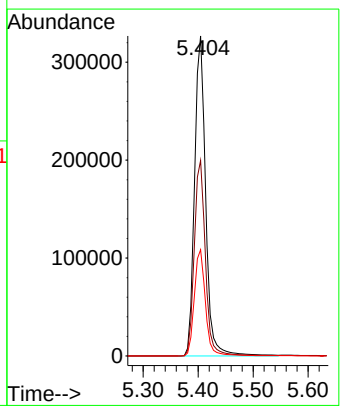


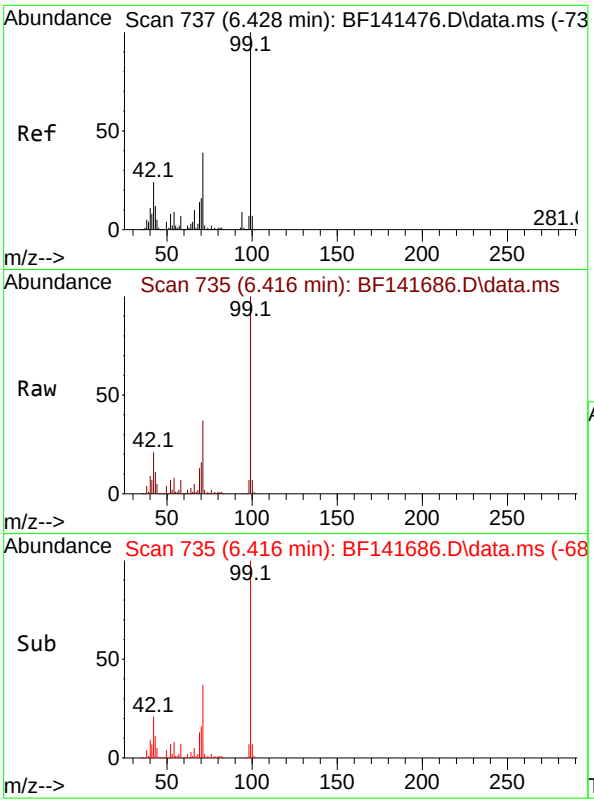


#5
2-Fluorophenol
Concen: 81.633 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Tgt Ion:112 Resp: 459658

Ion	Ratio	Lower	Upper
112	100		
64	61.1	51.1	76.7
63	33.2	28.4	42.6



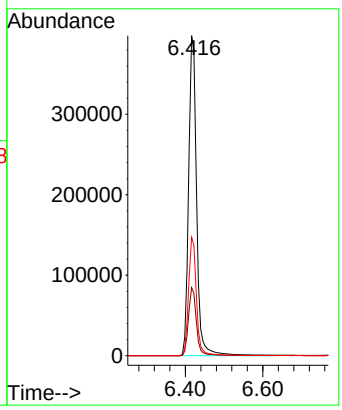


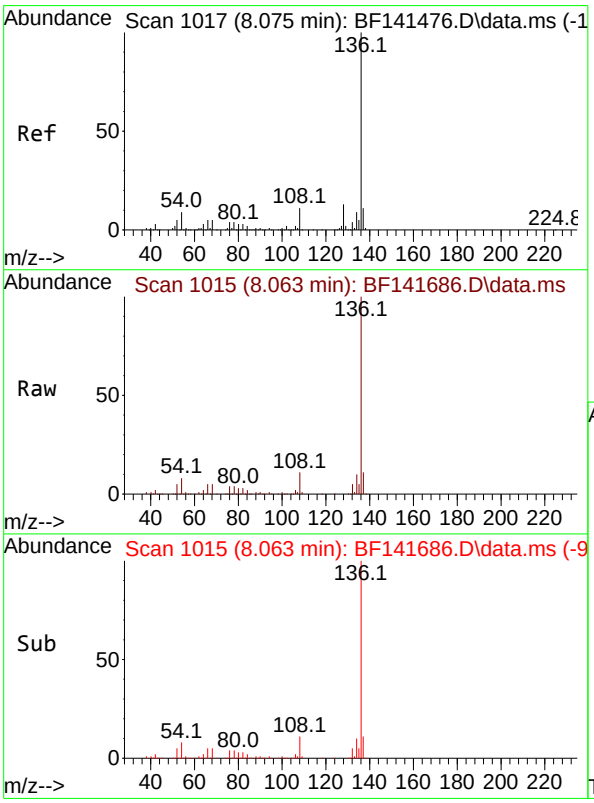
#7
Phenol-d6
Concen: 80.128 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Tgt Ion: 99 Resp: 570257

Ion	Ratio	Lower	Upper
99	100		
42	21.3	19.1	28.7
71	37.0	31.1	46.7

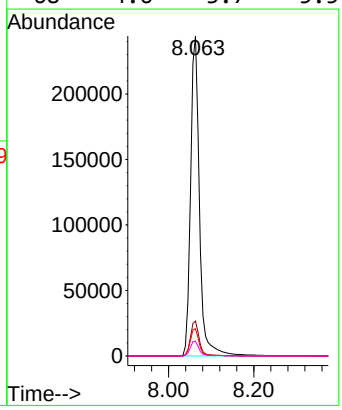


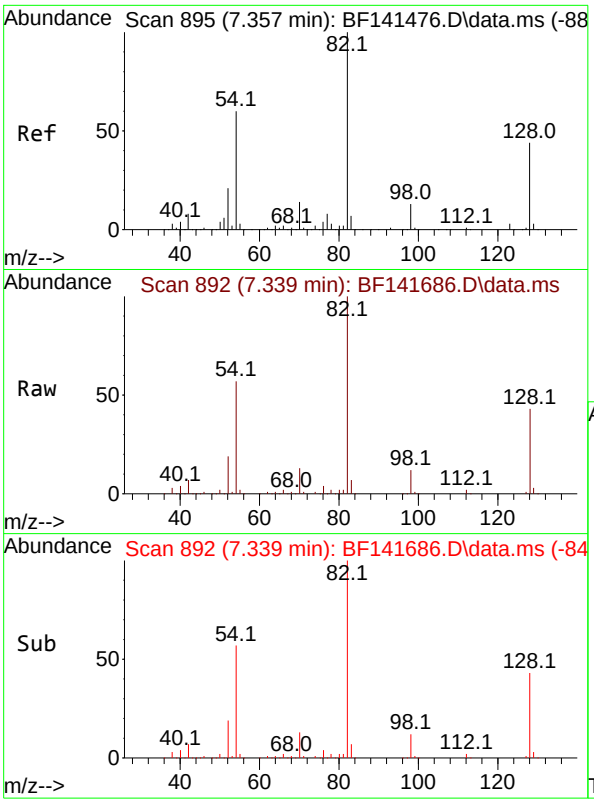


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Tgt Ion:136 Resp: 353732

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	7.2	10.8
68	4.6	3.7	5.5



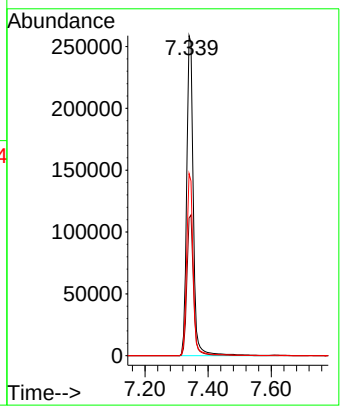


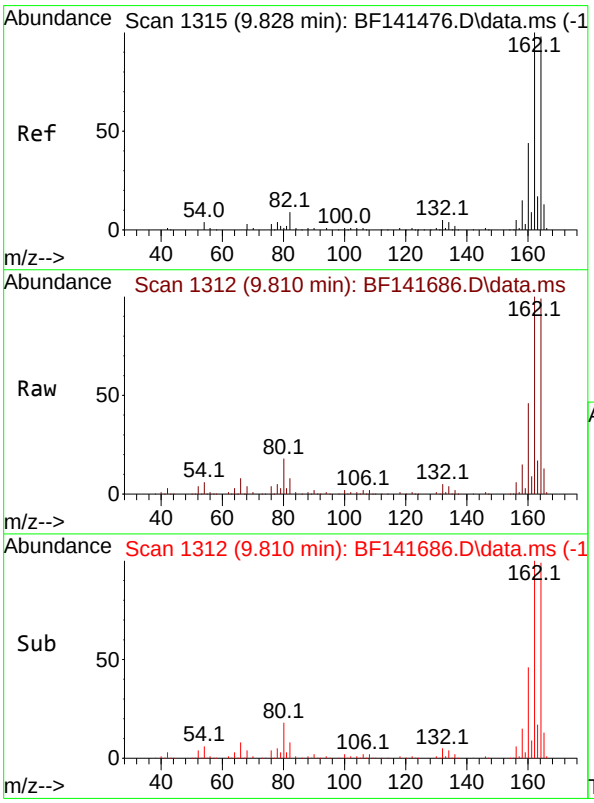
#23
Nitrobenzene-d5
Concen: 55.172 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Tgt Ion: 82 Resp: 374170

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.8	52.2
54	56.9	48.2	72.4

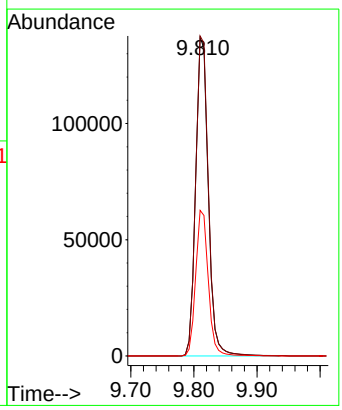


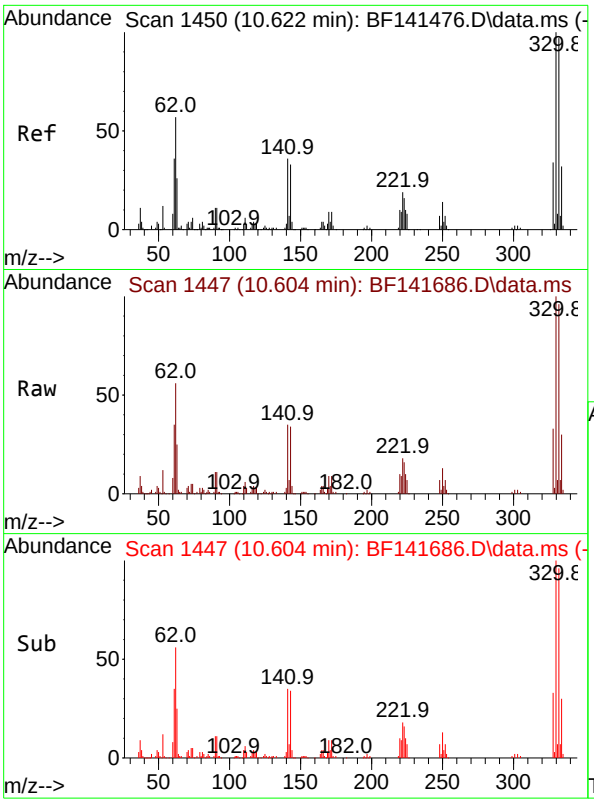


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Tgt Ion:164 Resp: 190080

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.3	121.9
160	45.7	35.9	53.9



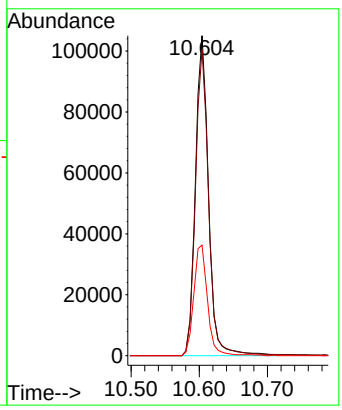


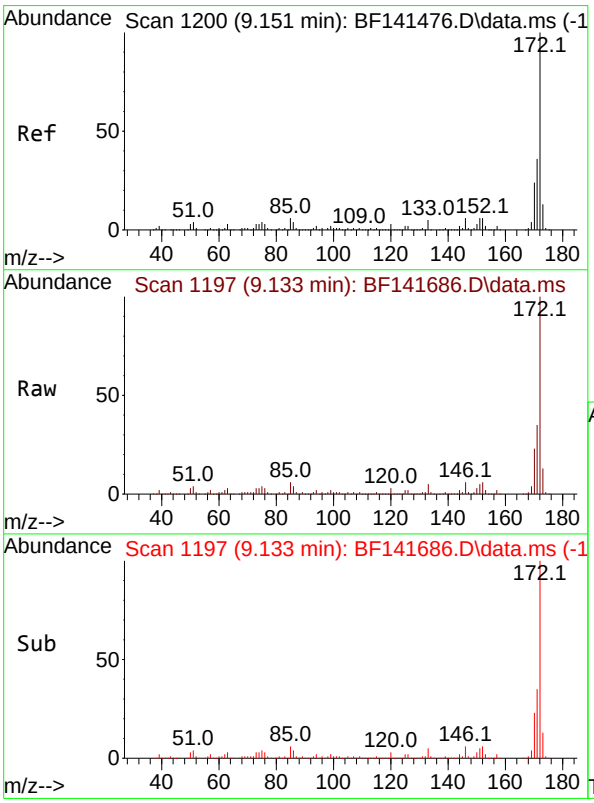
#42
2,4,6-Tribromophenol
Concen: 73.884 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Tgt Ion:330 Resp: 141077

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.5	117.7
141	36.1	31.0	46.4

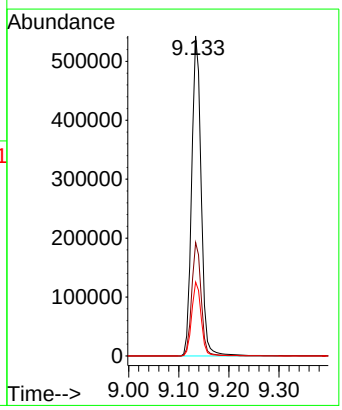


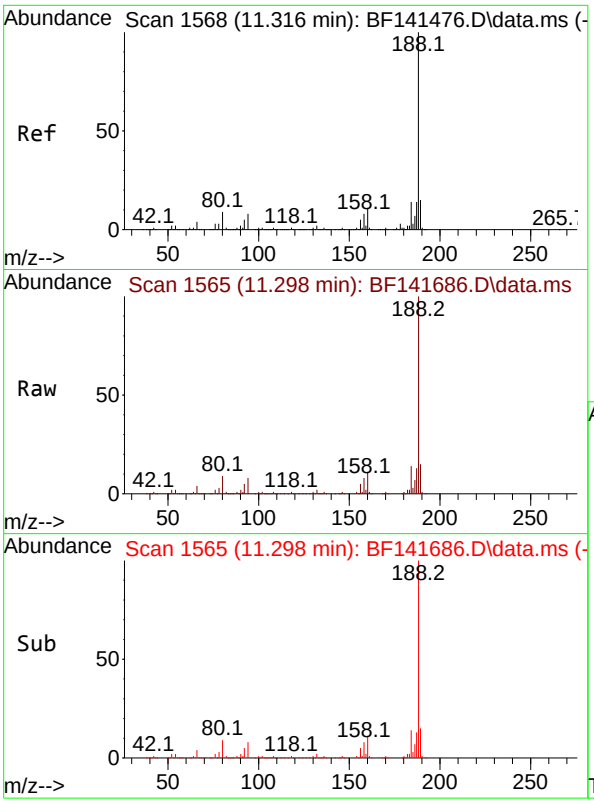


#45
2-Fluorobiphenyl
Concen: 57.828 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Tgt Ion:172 Resp: 713461

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.1	18.9	28.3



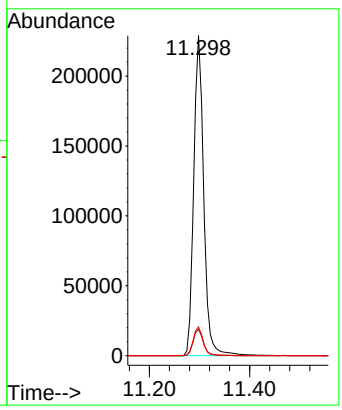


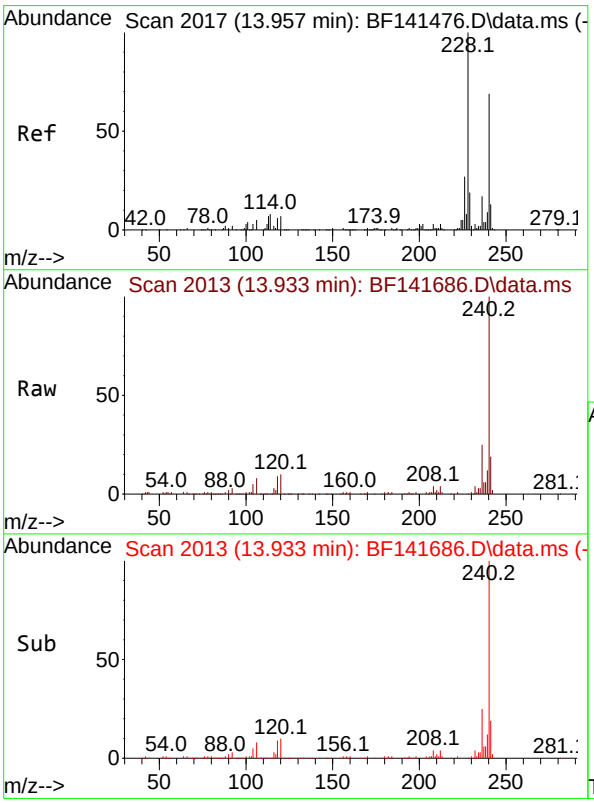
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Tgt Ion:188 Resp: 316714

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.0	7.3	10.9

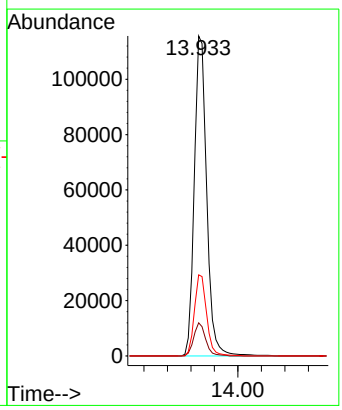


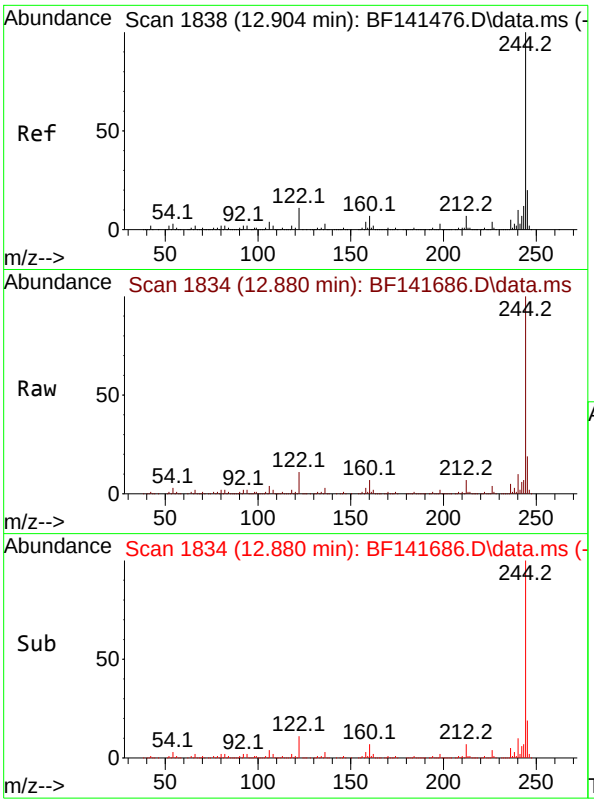


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Tgt Ion:240 Resp: 169195

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.0	12.0
236	25.3	19.8	29.8



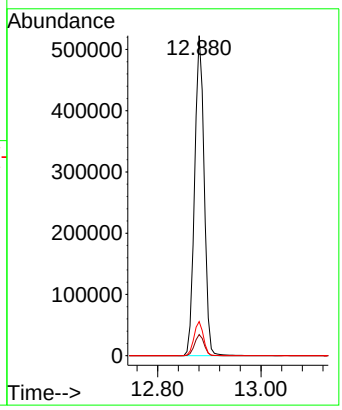


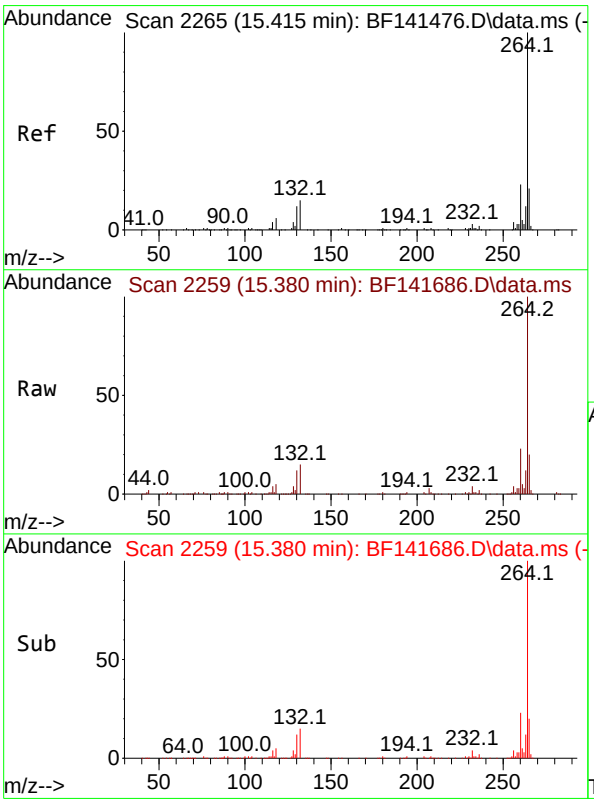
#79
Terphenyl-d14
Concen: 66.616 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Tgt Ion:244 Resp: 667649

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.7	8.4	12.6

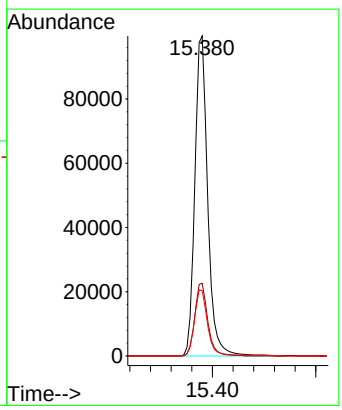




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141686.D
Acq: 19 Feb 2025 20:39

Tgt Ion:264 Resp: 172083

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	20.4	17.0	25.4



Sample Results: **BF141686.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141686.D
Acq On : 19 Feb 2025 20:39
Operator : RC/JU
Sample : Q1383-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141686.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	557	563	587	rBV	1176160	1660890	77.08%	12.204%
2	6.416	730	735	763	rBV	1176469	1693077	78.58%	12.440%
3	6.781	791	797	805	rBV	409859	528005	24.50%	3.880%
4	7.339	887	892	905	rBV	774359	1095433	50.84%	8.049%
5	7.610	933	938	950	rBV2	11703	32053	1.49%	0.236%
6	8.063	1009	1015	1033	rBV	495452	707583	32.84%	5.199%
7	9.004	1170	1175	1185	rBV	47090	66481	3.09%	0.488%
8	9.133	1190	1197	1215	rVV	1613695	2154703	100.00%	15.832%
9	9.810	1307	1312	1329	rBV	577894	793400	36.82%	5.830%
10	10.528	1429	1434	1441	rBV	242786	309771	14.38%	2.276%
11	10.604	1441	1447	1463	rVV	826739	1129409	52.42%	8.298%
12	11.298	1560	1565	1583	rVB	566078	773632	35.90%	5.684%
13	11.827	1650	1655	1659	rBV2	17447	30210	1.40%	0.222%
14	12.880	1828	1834	1842	rBV	1368391	1735478	80.54%	12.752%
15	13.933	2008	2013	2024	rVB	309490	444826	20.64%	3.268%
16	15.380	2252	2259	2274	rBV	259841	454933	21.11%	3.343%

Sum of corrected areas: 13609884

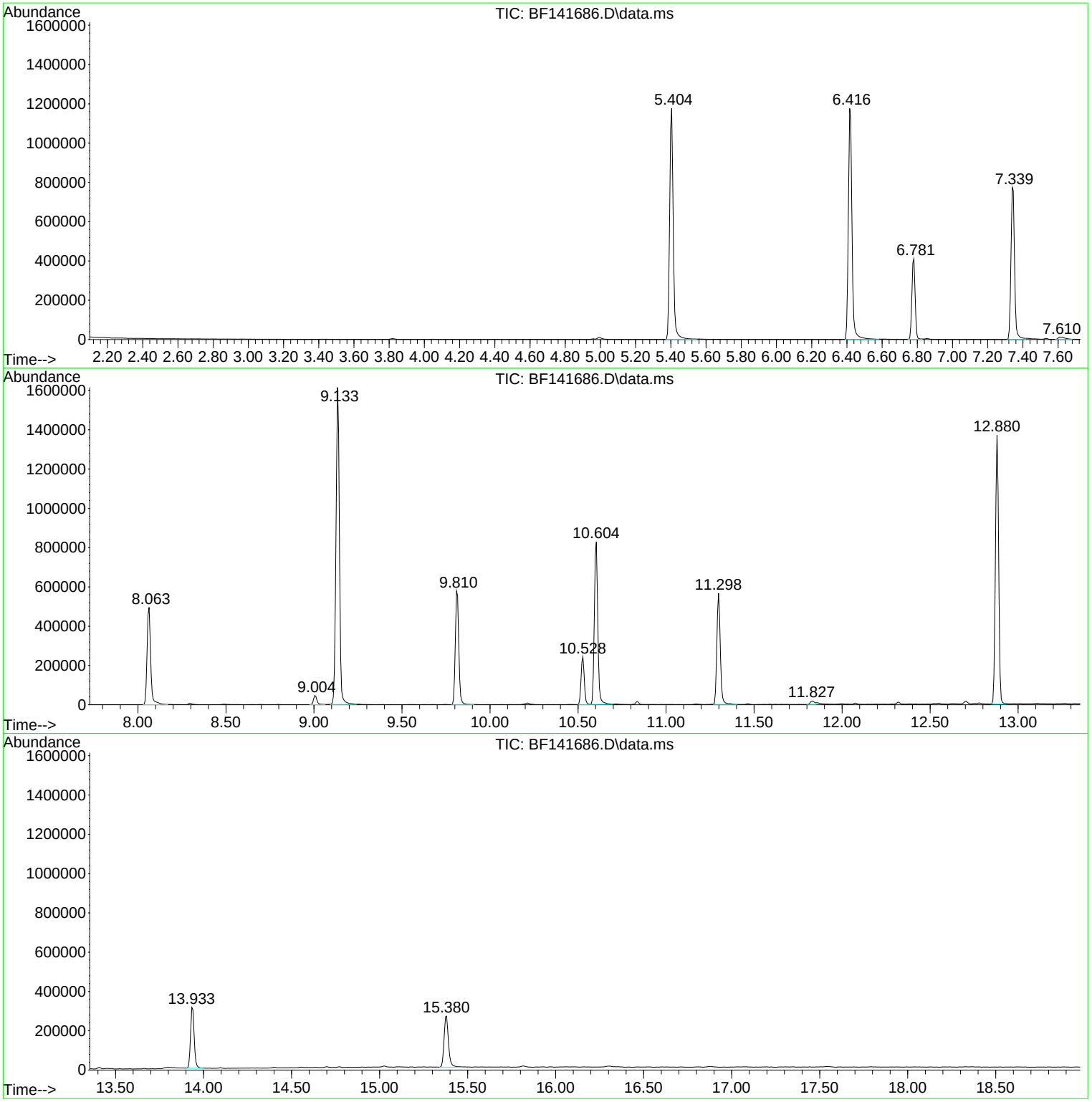
Sample Results: **BF141686.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141686.D
Acq On : 19 Feb 2025 20:39
Operator : RC/JU
Sample : Q1383-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Sample Results: **BF141686.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141686.D
Acq On : 19 Feb 2025 20:39
Operator : RC/JU
Sample : Q1383-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141686.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141686.D
Acq On : 19 Feb 2025 20:39
Operator : RC/JU
Sample : Q1383-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-11-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141687.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-12-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141687.D	1	02/19/25 10:05	02/19/25 21:09	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	57.0		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.1		44 - 115		60%	SPK: 100
1718-51-0	Terphenyl-d14	70.7		54 - 127		71%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90800	6.781				
1146-65-2	Naphthalene-d8	362000	8.063				
15067-26-2	Acenaphthene-d10	193000	9.816				
1517-22-2	Phenanthrene-d10	317000	11.298				
1719-03-5	Chrysene-d12	170000	13.933				
1520-96-3	Perylene-d12	174000	15.38				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **BF141687.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-12-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141687.D	1	02/19/25 10:05	02/19/25 21:09	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF021925\
Data File : BF141687.D
Acq On : 19 Feb 2025 21:09
Operator : RC/JU
Sample : Q1383-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Quant Time: Feb 20 00:14:47 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

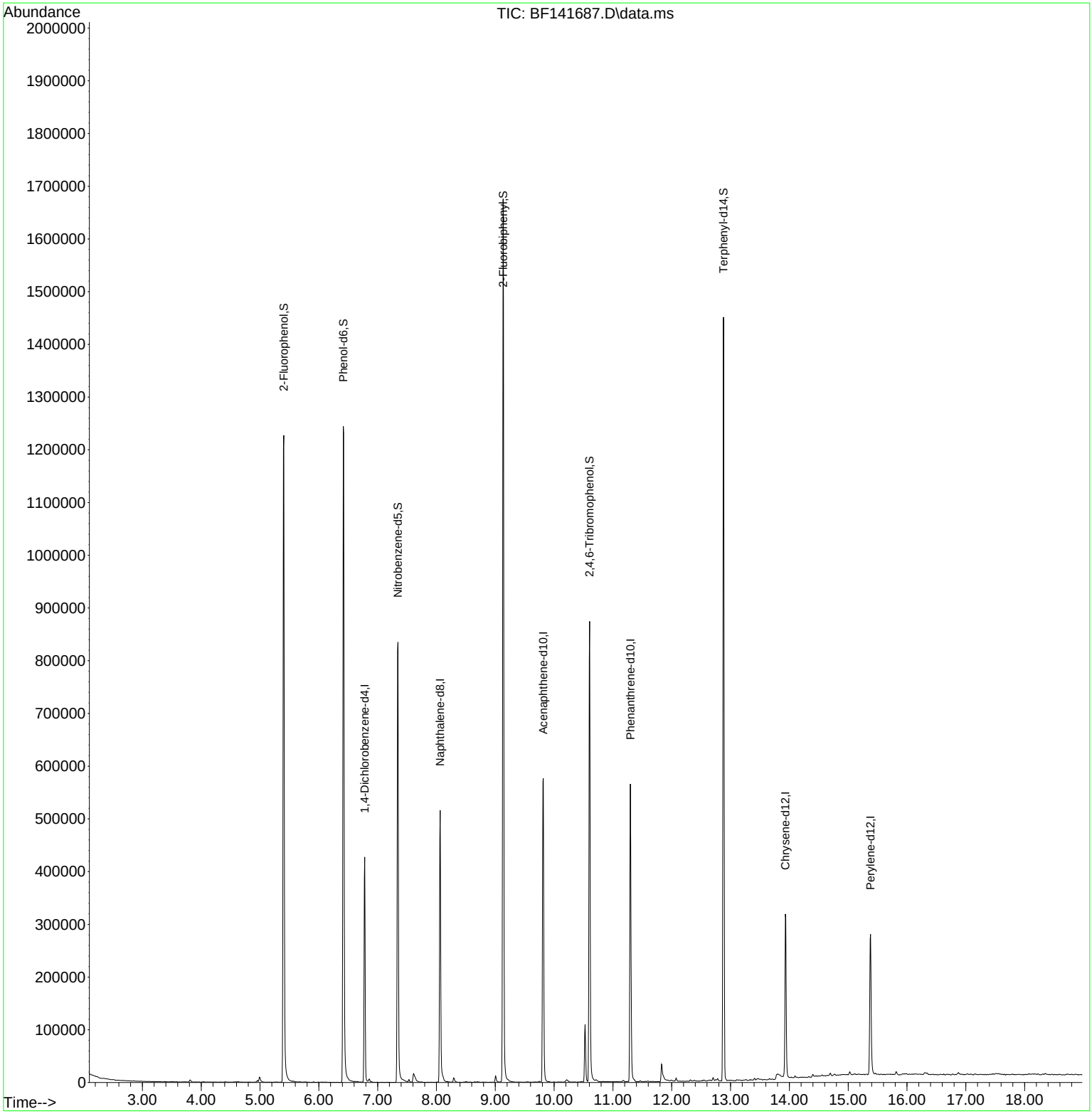
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90790	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	362025	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	192735	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	317483	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	170220	20.000	ng	-0.03
86) Perylene-d12	15.380	264	174477	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	493082	85.144	ng	0.00
7) Phenol-d6	6.416	99	606597	82.874	ng	-0.02
23) Nitrobenzene-d5	7.345	82	395925	57.042	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	149582	77.259	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	751693	60.087	ng	-0.02
79) Terphenyl-d14	12.880	244	713212	70.733	ng	-0.02
Target Compounds						Qvalue

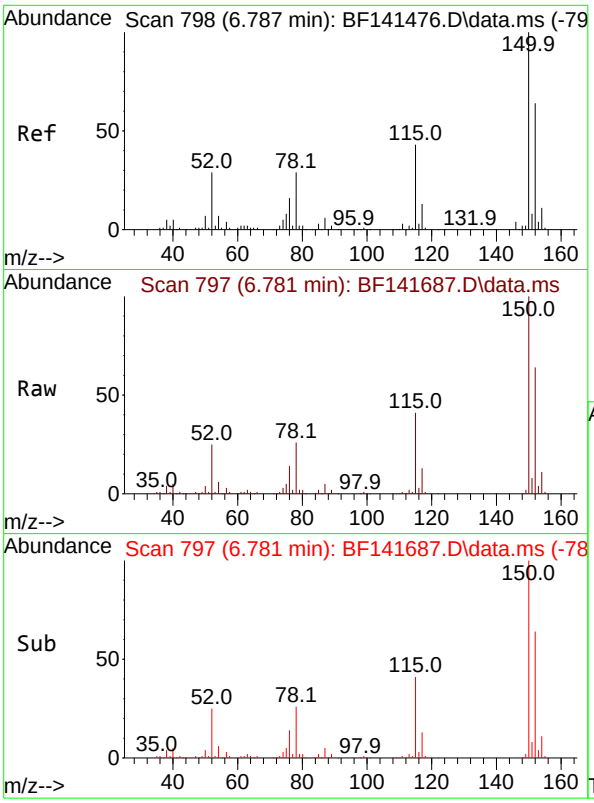
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141687.D
Acq On : 19 Feb 2025 21:09
Operator : RC/JU
Sample : Q1383-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Quant Time: Feb 20 00:14:47 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



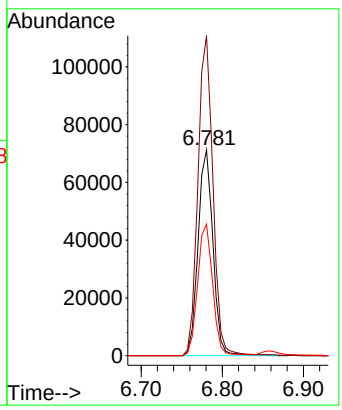


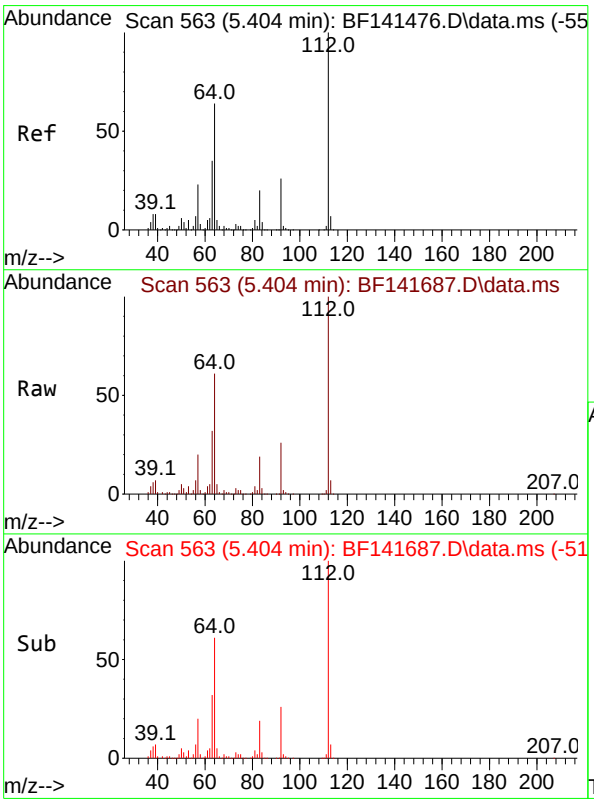
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion:152 Resp: 90790

Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.0	187.4
115	64.0	53.6	80.4

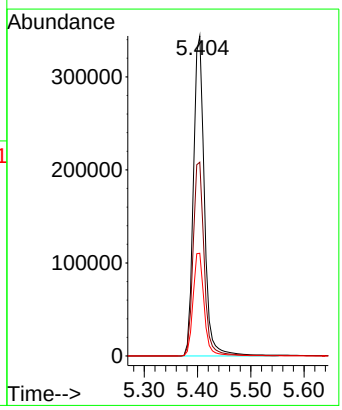


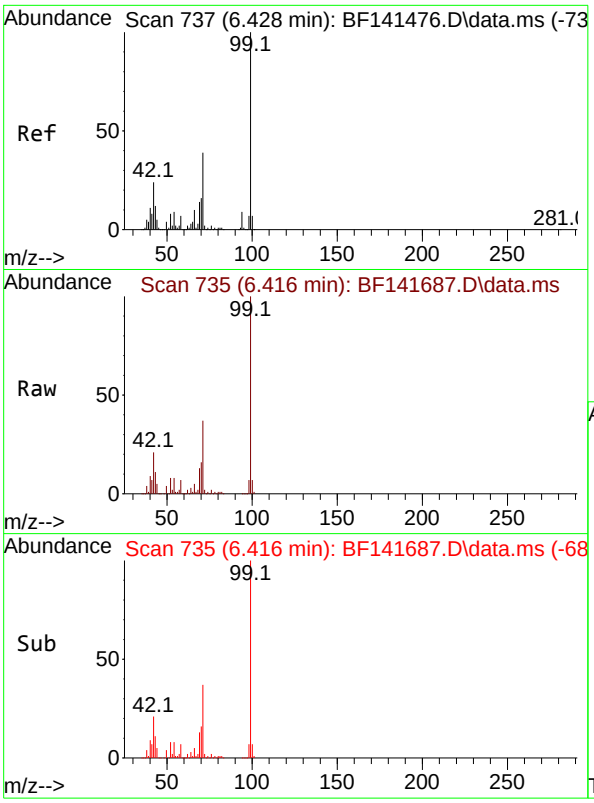


#5
2-Fluorophenol
Concen: 85.144 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:112 Resp: 493082

Ion	Ratio	Lower	Upper
112	100		
64	60.6	51.1	76.7
63	32.1	28.4	42.6



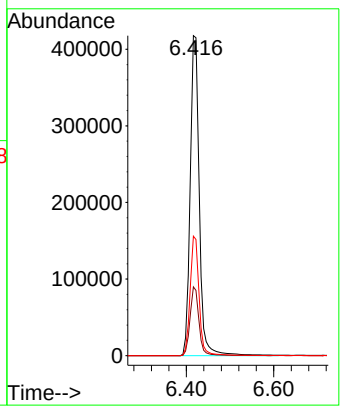


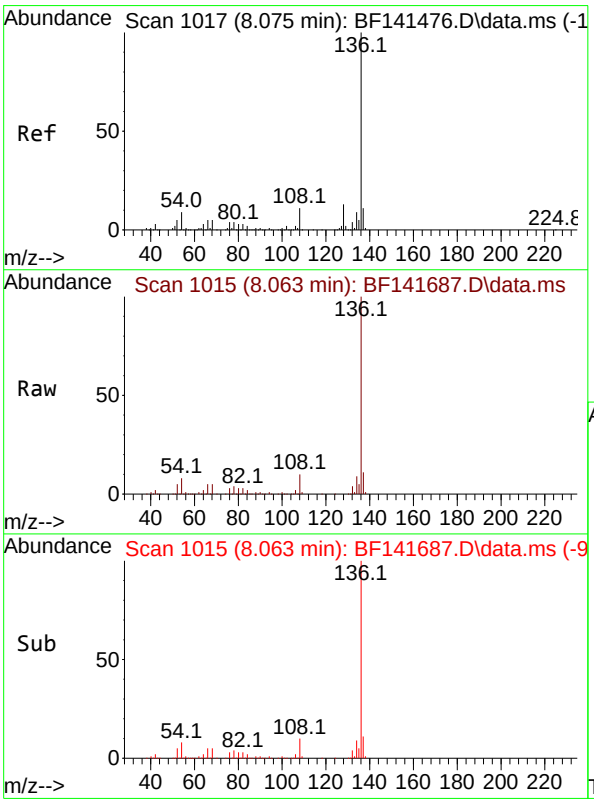
#7
Phenol-d6
Concen: 82.874 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion: 99 Resp: 606597

Ion	Ratio	Lower	Upper
99	100		
42	21.5	19.1	28.7
71	37.3	31.1	46.7

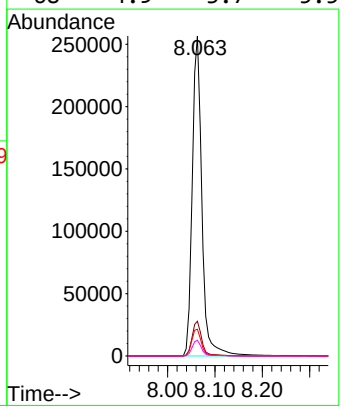


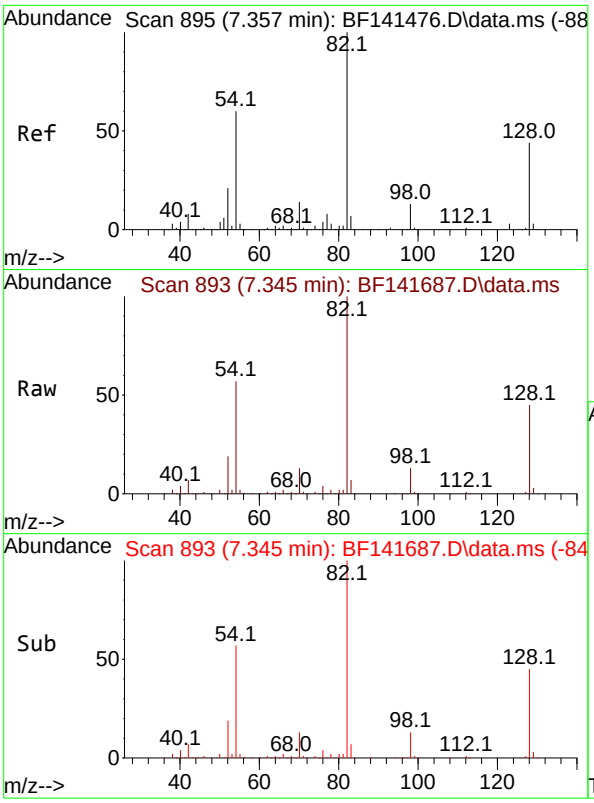


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:136 Resp: 362025

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.3	7.2	10.8
68	4.9	3.7	5.5



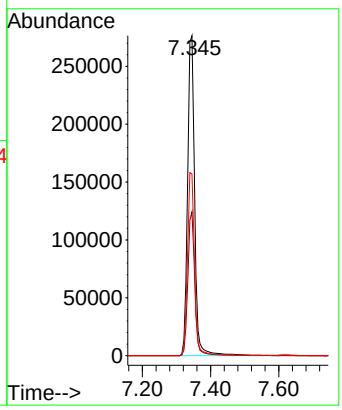


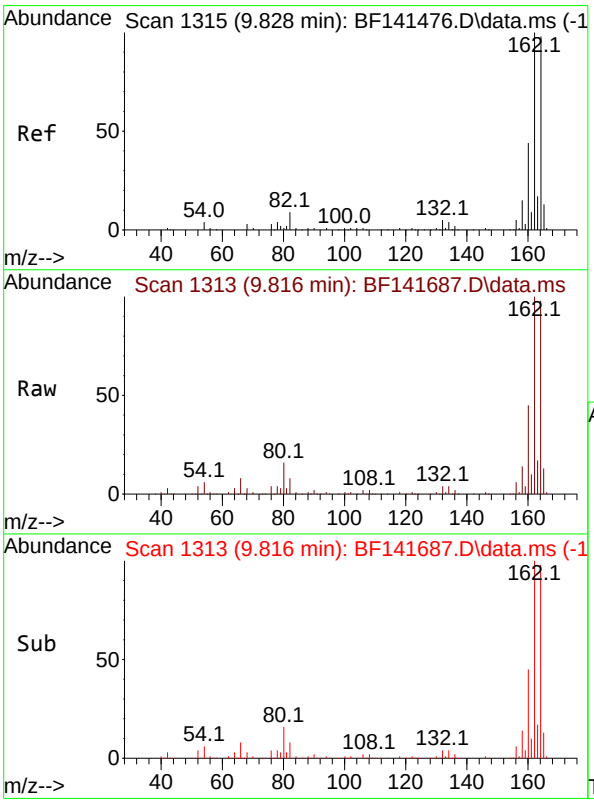
#23
Nitrobenzene-d5
Concen: 57.042 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion: 82 Resp: 395925

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.8	52.2
54	56.8	48.2	72.4

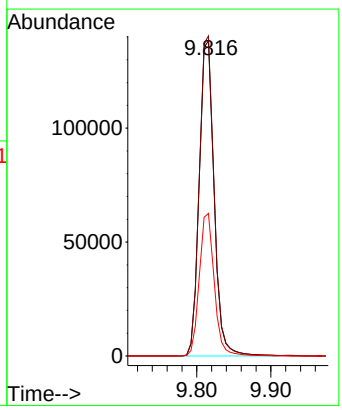


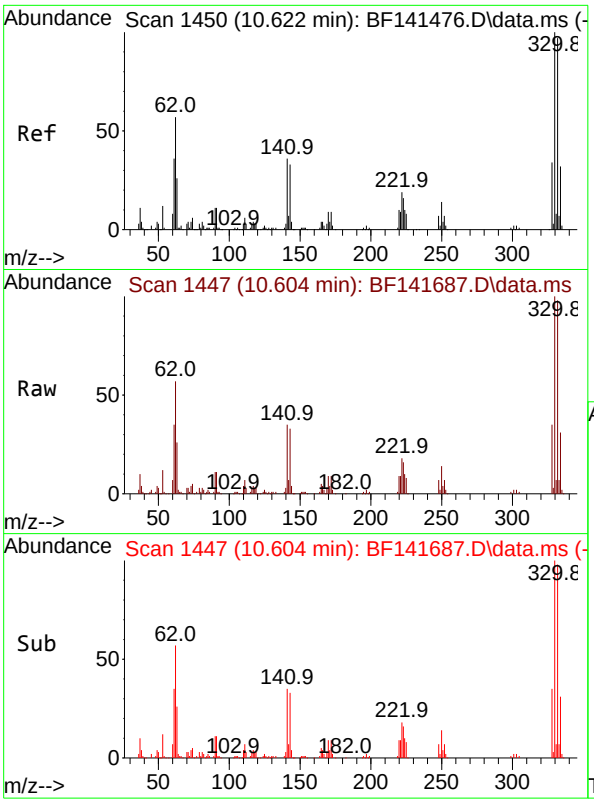


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:164 Resp: 192735

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	45.2	35.9	53.9



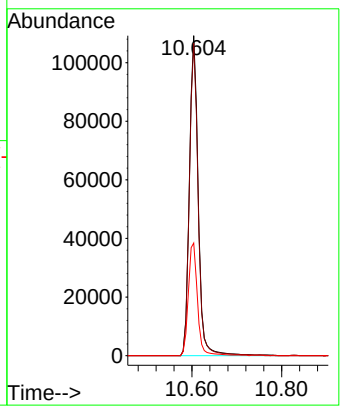


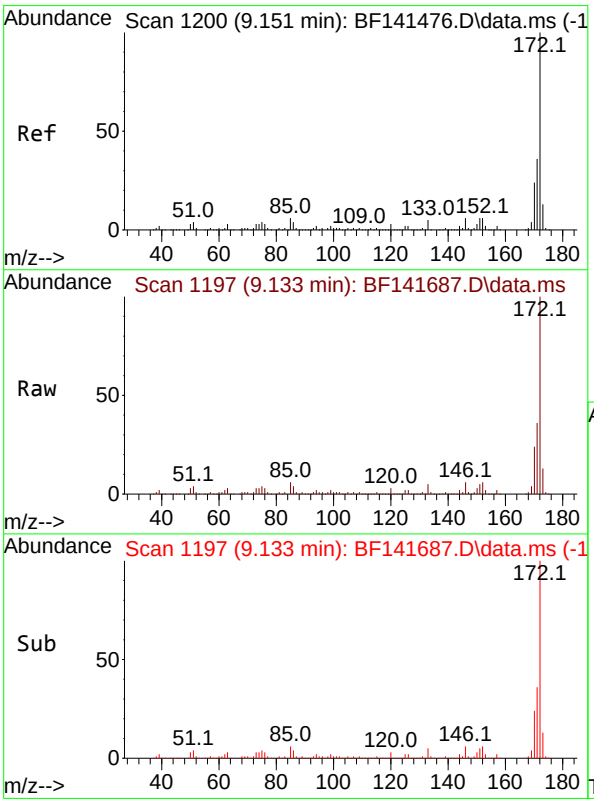
#42
2,4,6-Tribromophenol
Concen: 77.259 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion:330 Resp: 149582

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.5	117.7
141	36.5	31.0	46.4

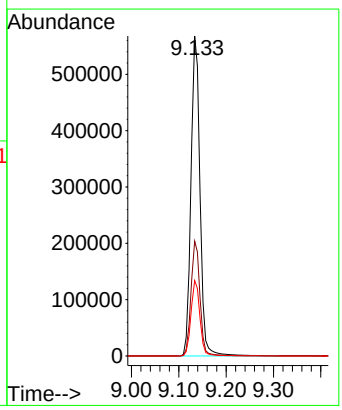


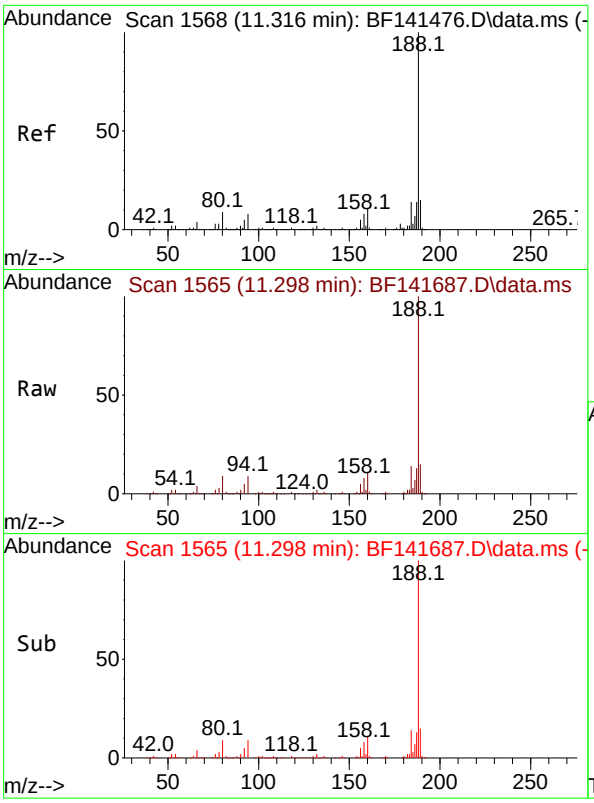


#45
2-Fluorobiphenyl
Concen: 60.087 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:172 Resp: 751693

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.6	18.9	28.3



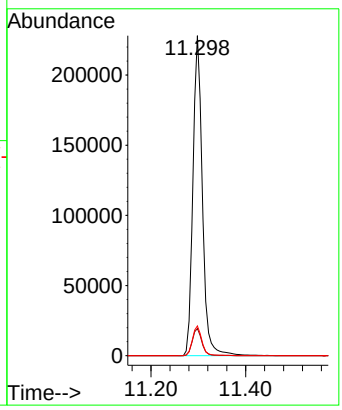


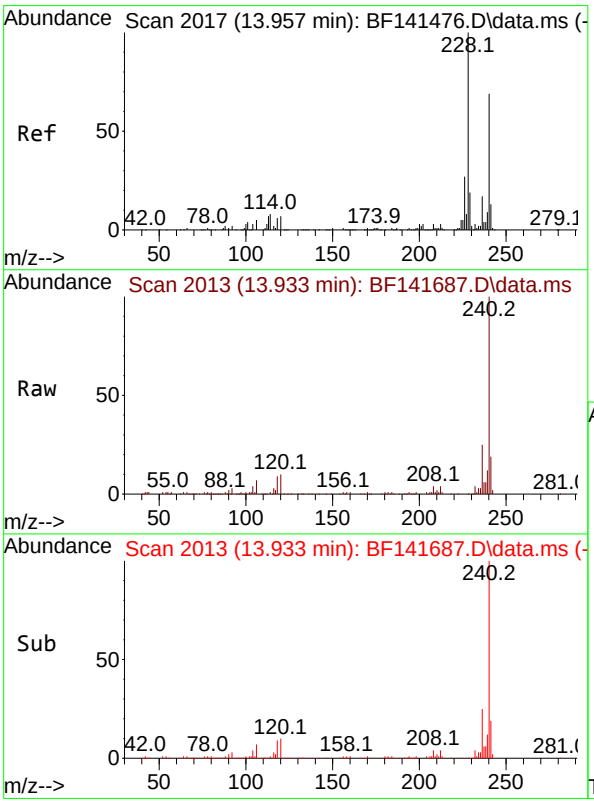
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion:188 Resp: 317483

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	7.3	10.9

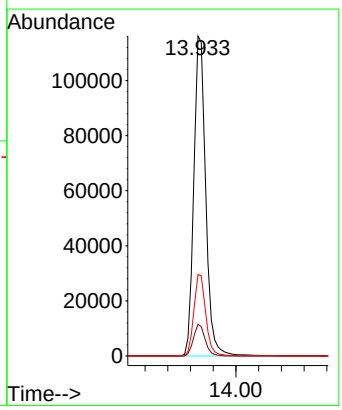


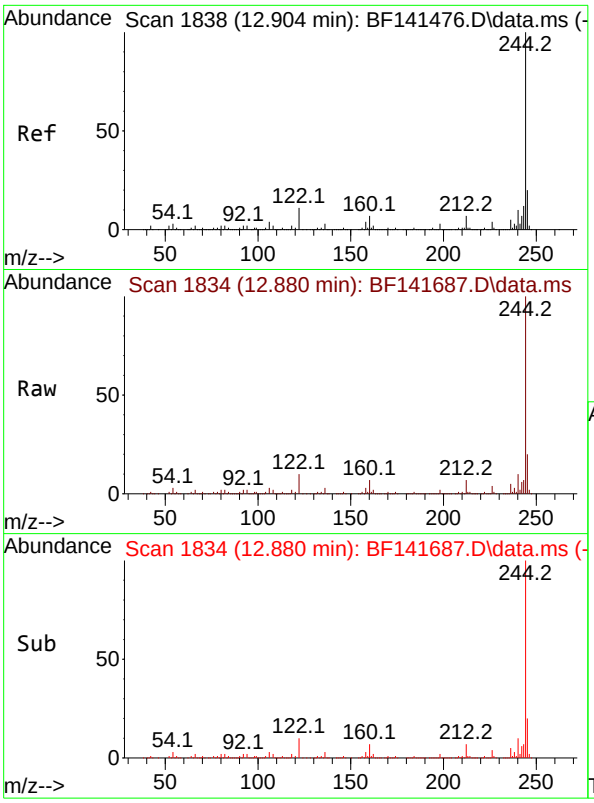


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:240 Resp: 170220

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.0	12.0
236	25.5	19.8	29.8



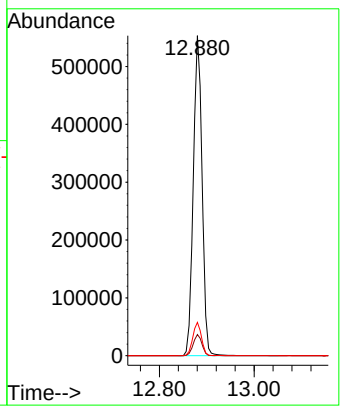


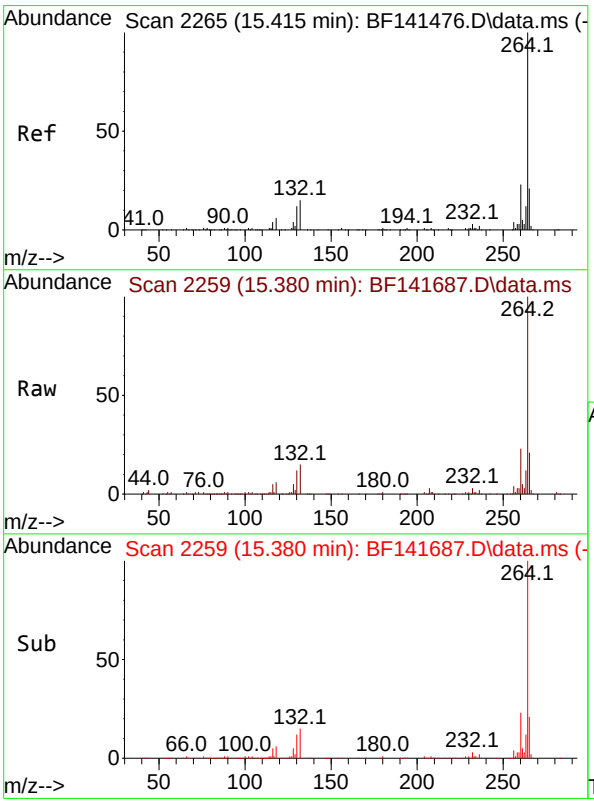
#79
Terphenyl-d14
Concen: 70.733 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion:244 Resp: 713212

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.4	8.4	12.6

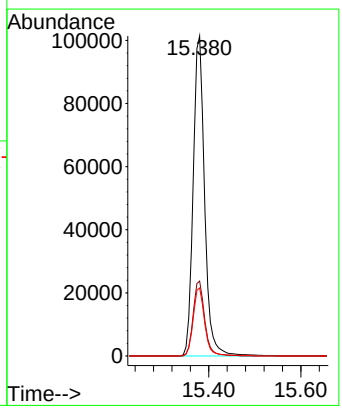




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:264 Resp: 174477

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.2	17.0	25.4



Sample Results: **BF141687.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141687.D
Acq On : 19 Feb 2025 21:09
Operator : RC/JU
Sample : Q1383-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141687.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	557	563	587	rBV	1226685	1771318	80.95%	12.555%
2	6.416	730	735	765	rBV	1244123	1819939	83.17%	12.899%
3	6.781	792	797	806	rBV	426819	543663	24.84%	3.853%
4	7.345	887	893	920	rBV	834800	1187846	54.28%	8.419%
5	7.610	934	938	956	rBV2	16272	46225	2.11%	0.328%
6	8.063	1009	1015	1034	rBV	515381	721572	32.98%	5.114%
7	9.133	1192	1197	1216	rVB	1673867	2188233	100.00%	15.510%
8	9.816	1307	1313	1327	rBV	575466	802856	36.69%	5.690%
9	10.527	1429	1434	1441	rBV	109019	143677	6.57%	1.018%
10	10.604	1441	1447	1463	rVV	872668	1208026	55.21%	8.562%
11	11.298	1560	1565	1581	rVB	564642	775568	35.44%	5.497%
12	11.827	1650	1655	1669	rBV3	32747	75440	3.45%	0.535%
13	12.880	1828	1834	1845	rBV	1448654	1853131	84.69%	13.135%
14	13.804	1983	1991	2003	rBV10	10125	50884	2.33%	0.361%
15	13.933	2006	2013	2027	rVB	310718	461915	21.11%	3.274%
16	15.380	2252	2259	2270	rBV	266142	458506	20.95%	3.250%

Sum of corrected areas: 14108799

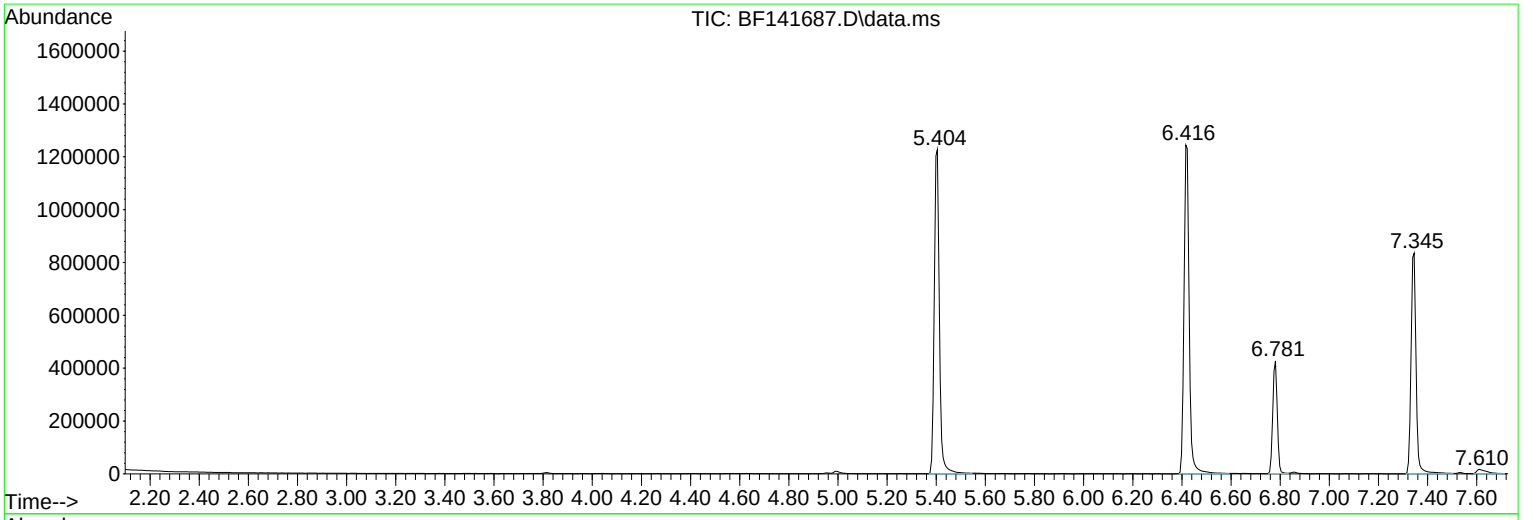
Sample Results: **BF141687.D**

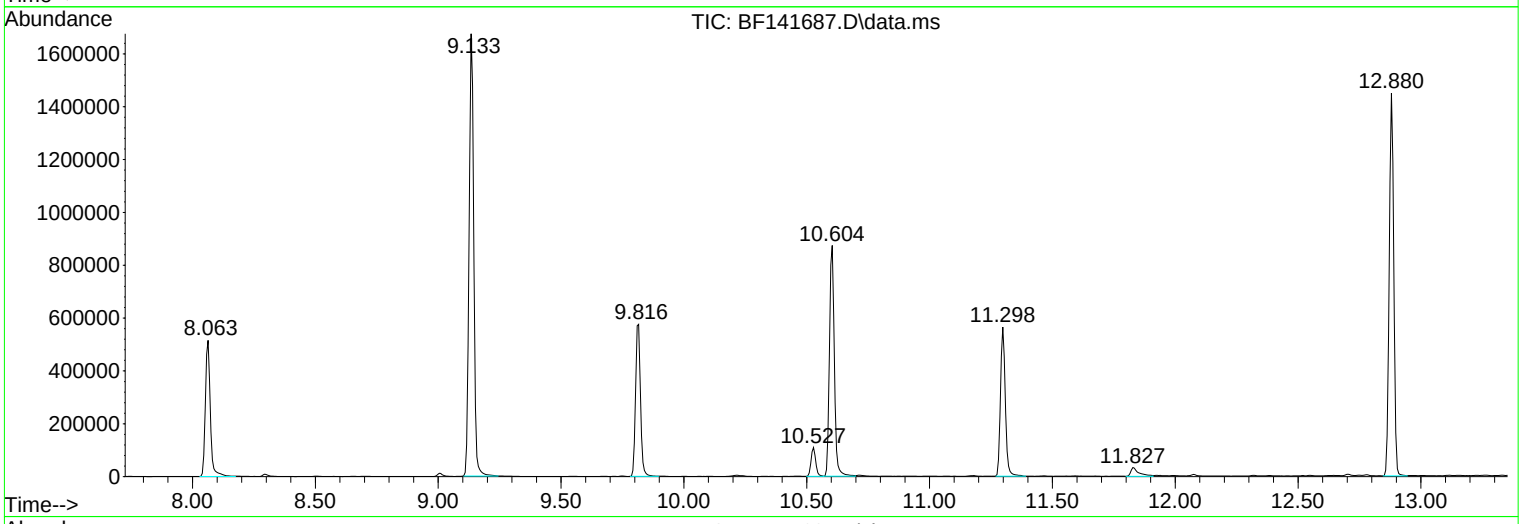
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141687.D
Acq On : 19 Feb 2025 21:09
Operator : RC/JU
Sample : Q1383-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

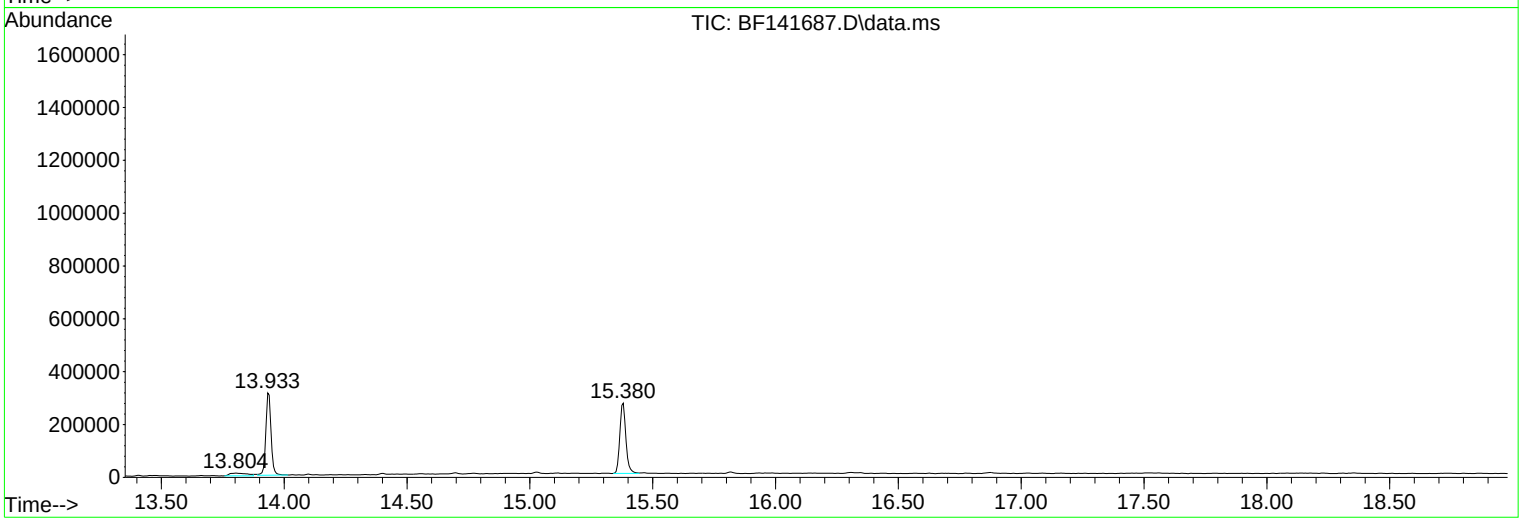
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141687.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141687.D
Acq On : 19 Feb 2025 21:09
Operator : RC/JU
Sample : Q1383-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141687.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141687.D
Acq On : 19 Feb 2025 21:09
Operator : RC/JU
Sample : Q1383-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141688.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-13-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141688.D	1	02/19/25 10:05	02/19/25 21:38	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.087	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.087	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.086	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	58.4		37 - 122		58%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.9		44 - 115		62%	SPK: 100
1718-51-0	Terphenyl-d14	72.0		54 - 127		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90300	6.781				
1146-65-2	Naphthalene-d8	359000	8.063				
15067-26-2	Acenaphthene-d10	192000	9.816				
1517-22-2	Phenanthrene-d10	318000	11.298				
1719-03-5	Chrysene-d12	170000	13.933				
1520-96-3	Perylene-d12	175000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141688.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-13-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141688.D	1	02/19/25 10:05	02/19/25 21:38	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF021925\
Data File : BF141688.D
Acq On : 19 Feb 2025 21:38
Operator : RC/JU
Sample : Q1383-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Quant Time: Feb 20 00:15:12 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

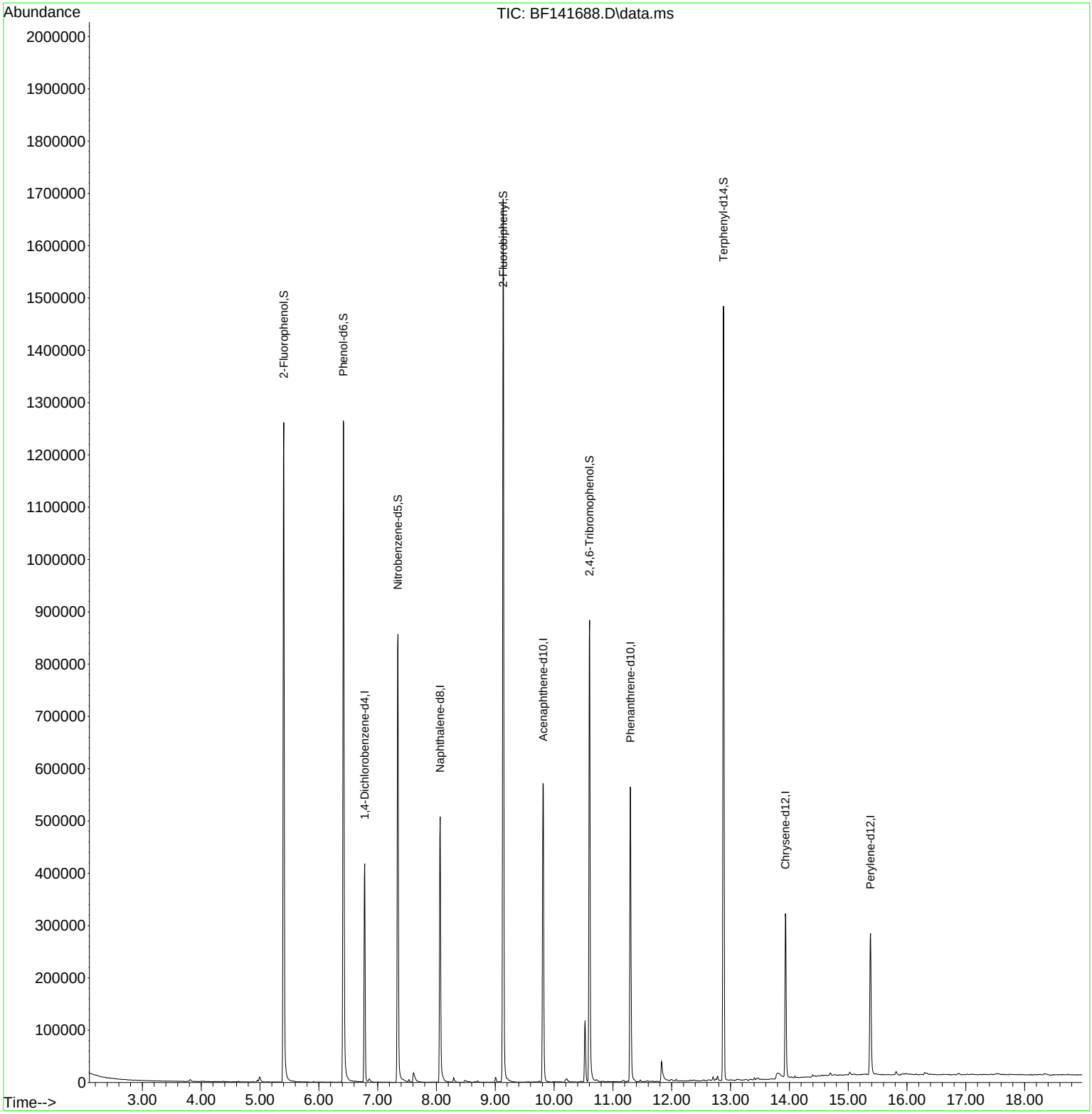
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90325	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	359030	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	192044	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	317895	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	170108	20.000	ng	-0.03
86) Perylene-d12	15.380	264	175024	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	497199	86.297	ng	0.00
7) Phenol-d6	6.416	99	616565	84.670	ng	-0.02
23) Nitrobenzene-d5	7.345	82	401957	58.394	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	155557	80.634	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	771454	61.889	ng	-0.02
79) Terphenyl-d14	12.880	244	725825	72.032	ng	-0.02
Target Compounds						Qvalue

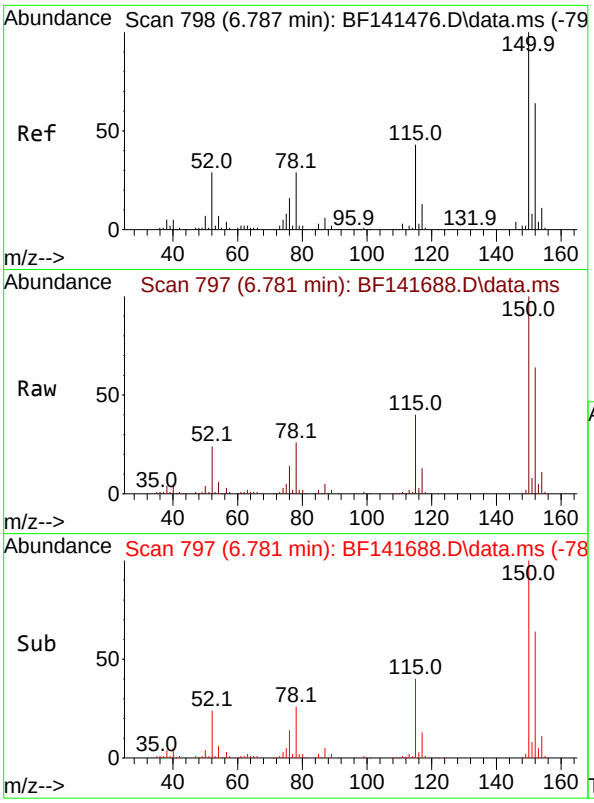
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141688.D
Acq On : 19 Feb 2025 21:38
Operator : RC/JU
Sample : Q1383-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Quant Time: Feb 20 00:15:12 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



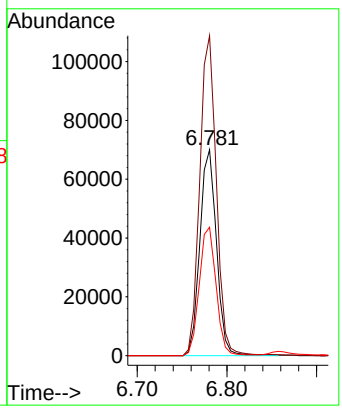


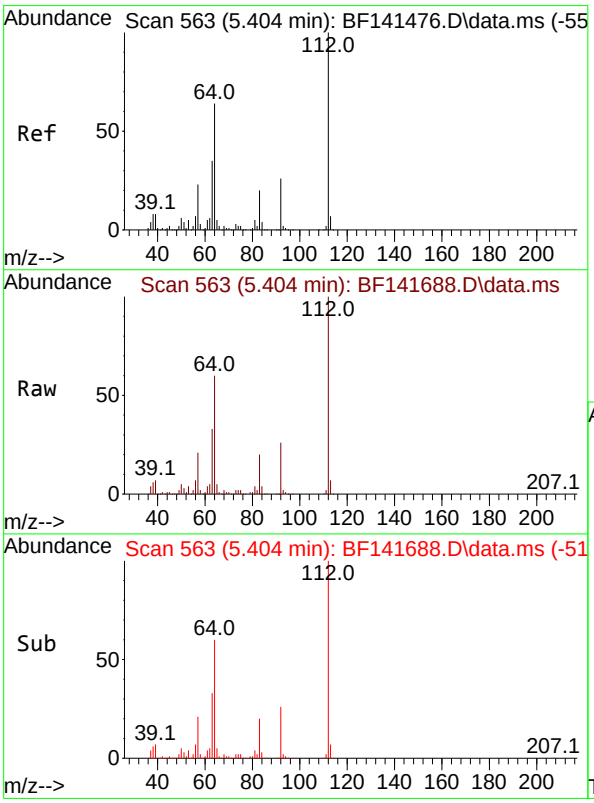
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Tgt Ion:152 Resp: 90325

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.0	187.4
115	62.4	53.6	80.4

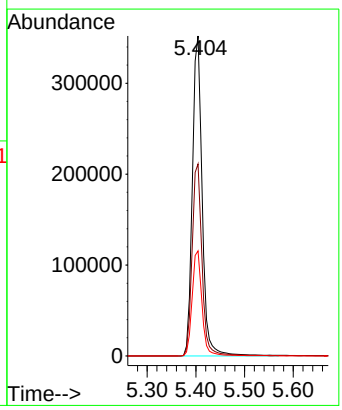


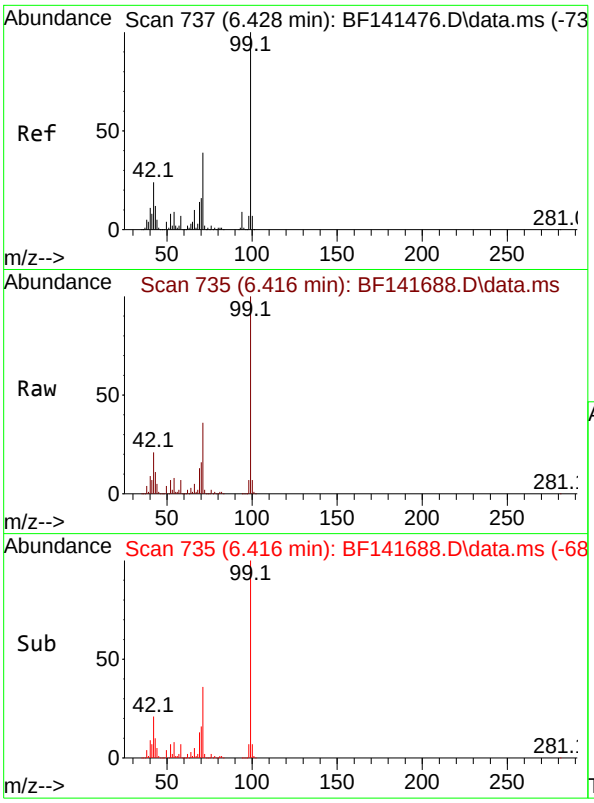


#5
2-Fluorophenol
Concen: 86.297 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Tgt Ion:112 Resp: 497199

Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.1	76.7
63	32.9	28.4	42.6



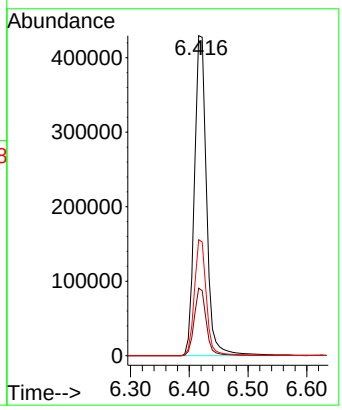


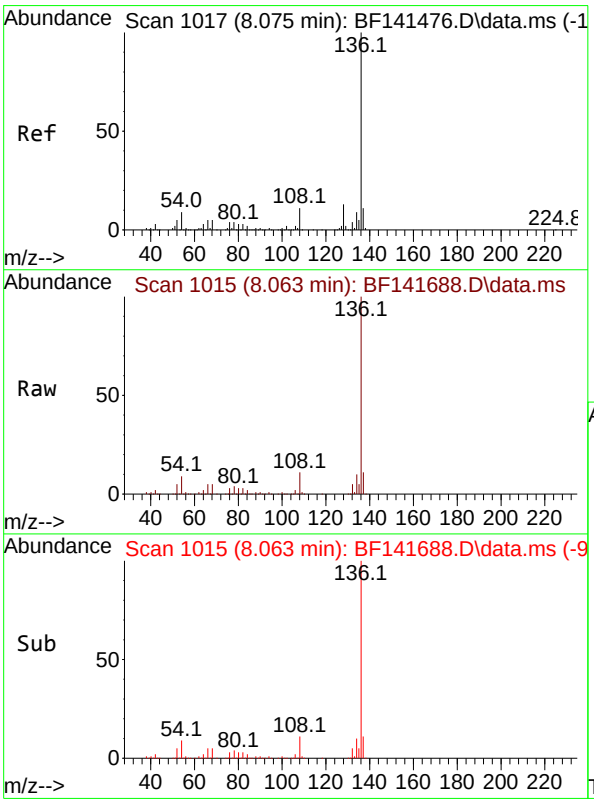
#7
Phenol-d6
Concen: 84.670 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Tgt Ion: 99 Resp: 616565

Ion	Ratio	Lower	Upper
99	100		
42	21.1	19.1	28.7
71	36.3	31.1	46.7

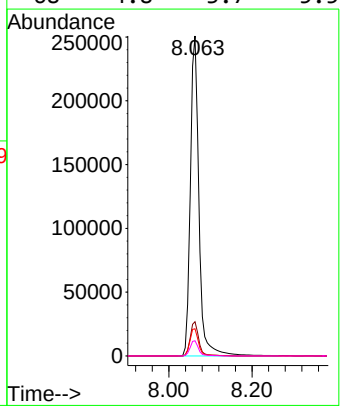


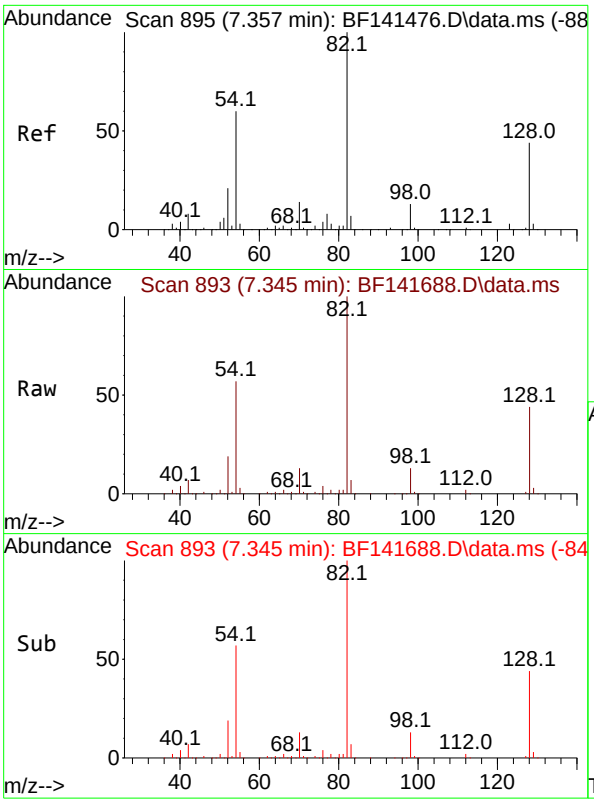


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Tgt Ion:136 Resp: 359030

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.5	7.2	10.8
68	4.8	3.7	5.5



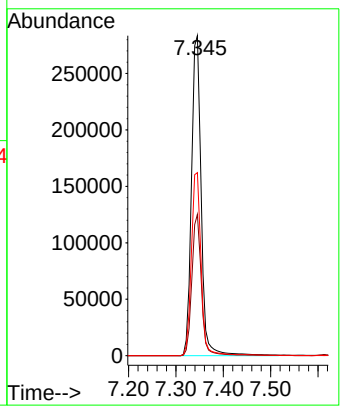


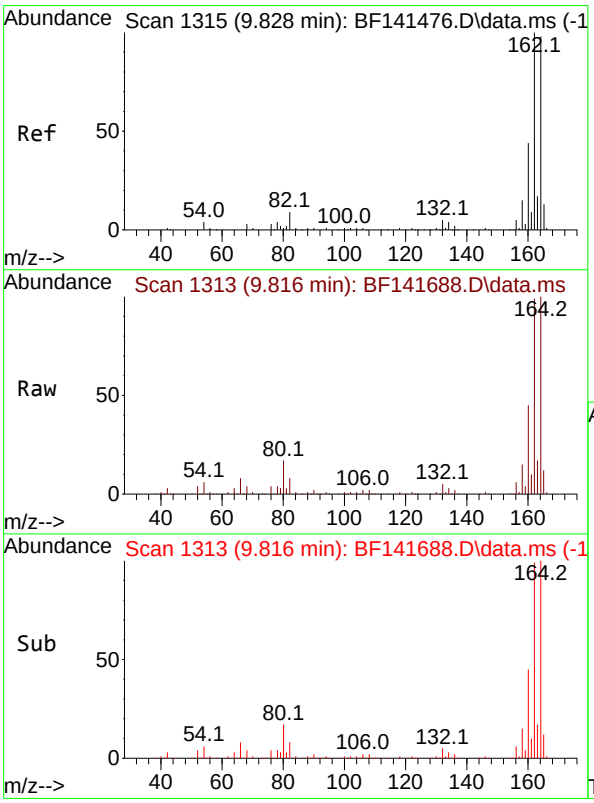
#23
Nitrobenzene-d5
Concen: 58.394 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Tgt Ion: 82 Resp: 401957

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.8	52.2
54	57.2	48.2	72.4

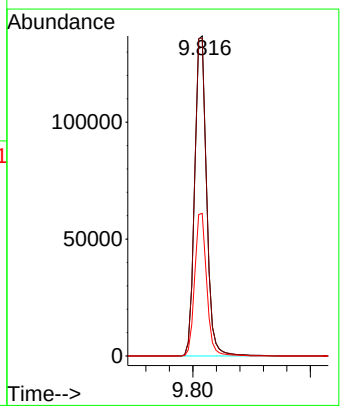


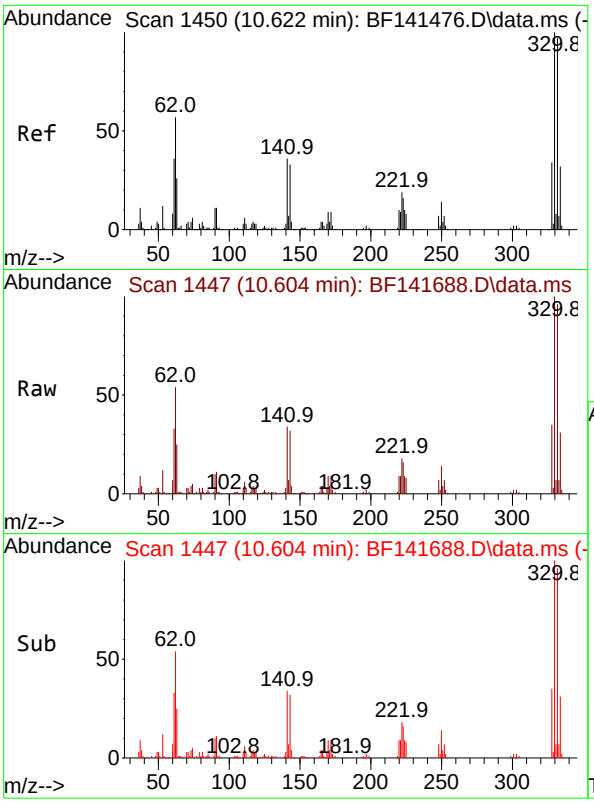


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Tgt Ion:164 Resp: 192044

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.3	121.9
160	44.6	35.9	53.9



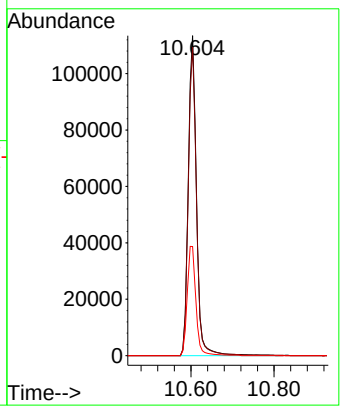


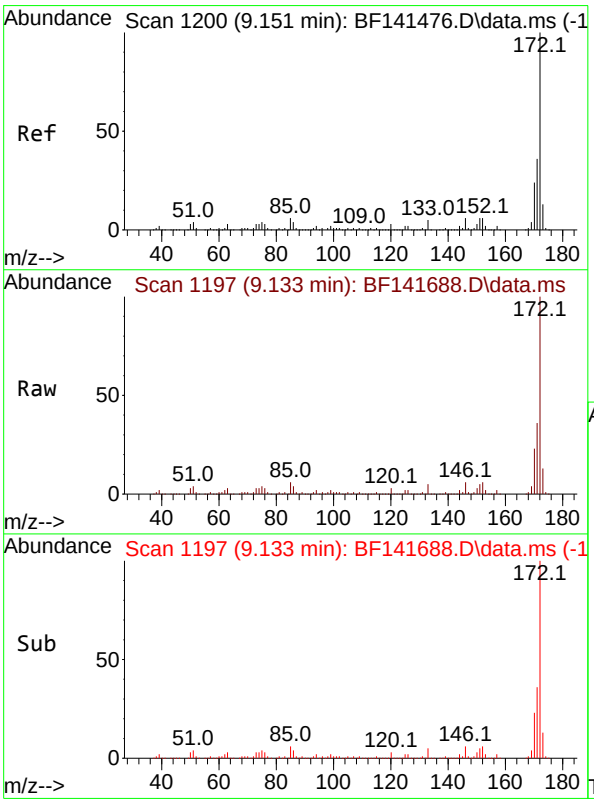
#42
2,4,6-Tribromophenol
Concen: 80.634 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Tgt Ion:330 Resp: 155557

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.5	117.7
141	36.1	31.0	46.4

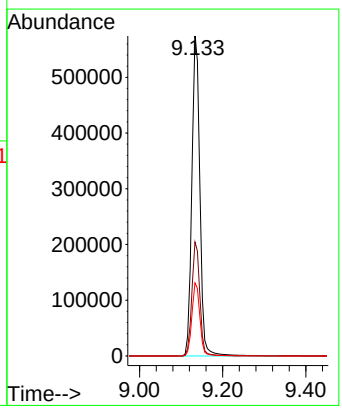


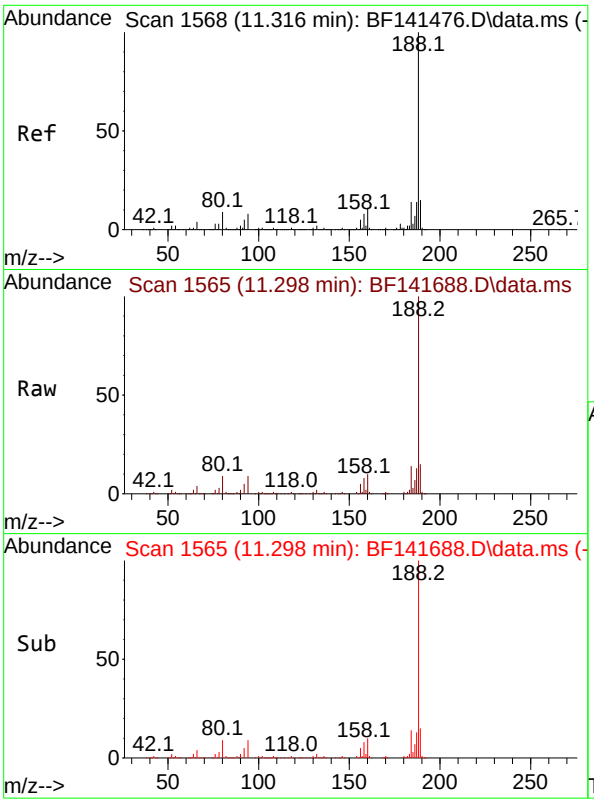


#45
2-Fluorobiphenyl
Concen: 61.889 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Tgt Ion:172 Resp: 771454

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	22.8	18.9	28.3



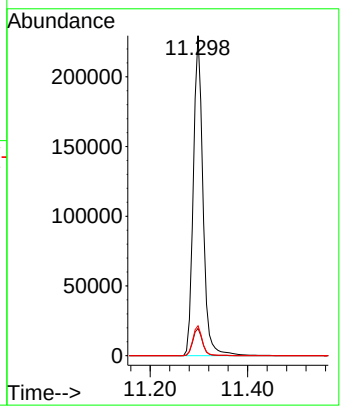


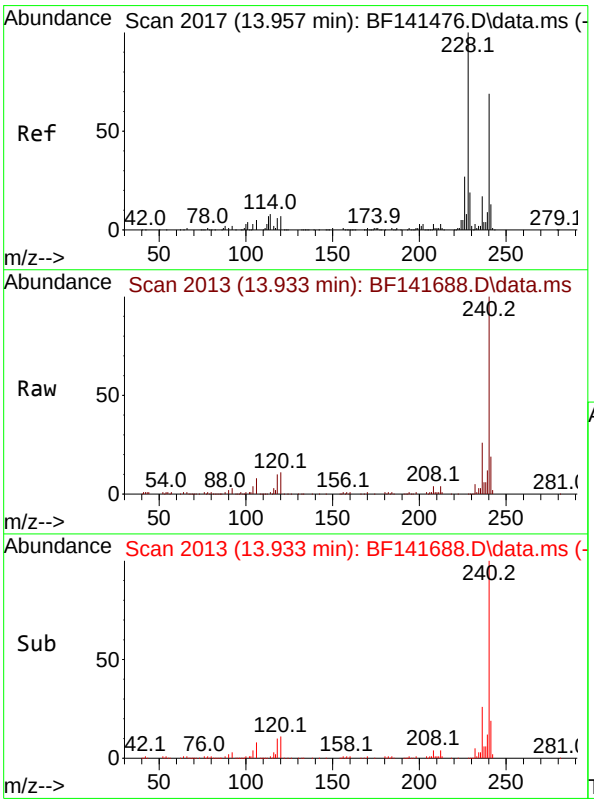
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Tgt Ion:188 Resp: 317895

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	7.3	10.9

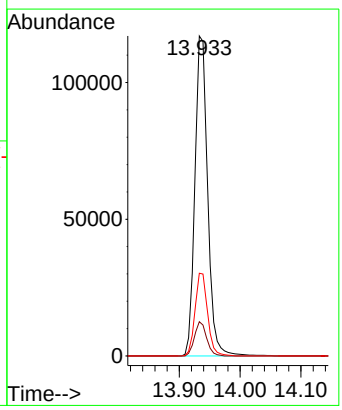


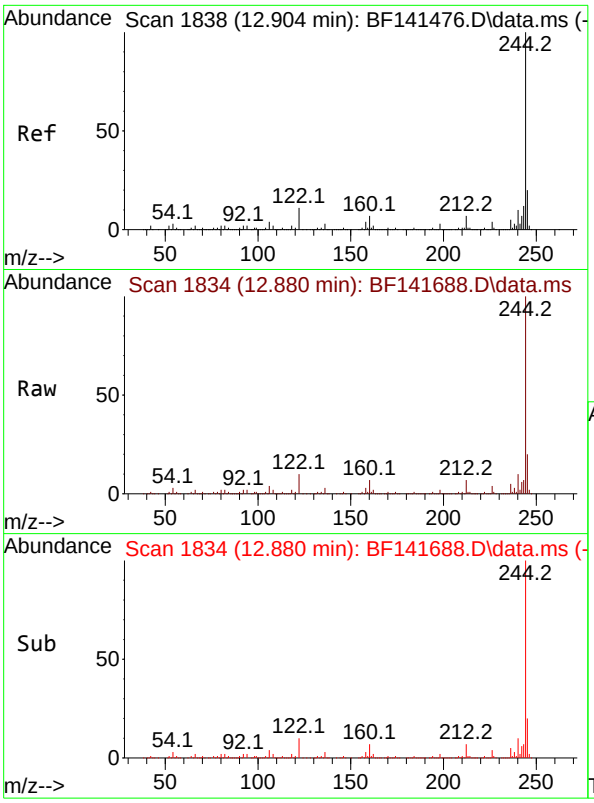


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Tgt Ion:240 Resp: 170108

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.0	12.0
236	25.9	19.8	29.8



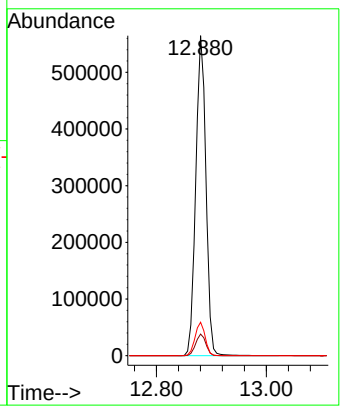


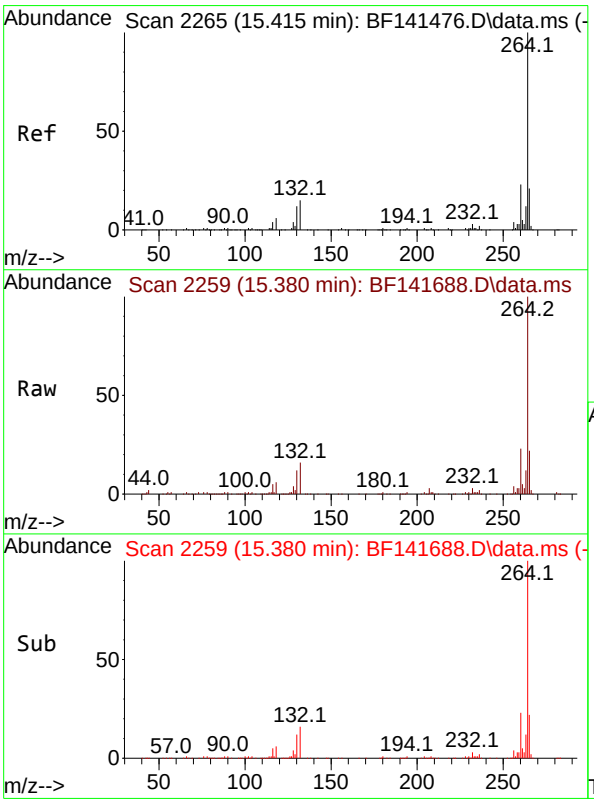
#79
Terphenyl-d14
Concen: 72.032 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Tgt Ion:244 Resp: 725825

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.4	8.4	12.6

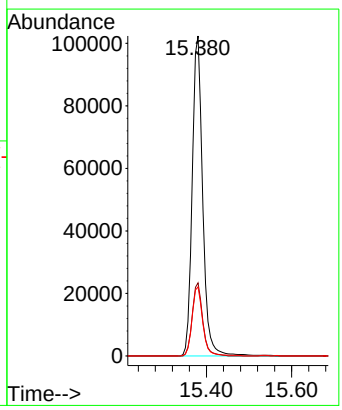




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141688.D
Acq: 19 Feb 2025 21:38

Tgt Ion:264 Resp: 175024

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.6	17.0	25.4



Sample Results: **BF141688.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141688.D
Acq On : 19 Feb 2025 21:38
Operator : RC/JU
Sample : Q1383-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141688.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	557	563	591	rBV	1261323	1789577	79.82%	12.517%
2	6.416	730	735	759	rBV	1264671	1838675	82.01%	12.860%
3	6.781	792	797	806	rBV	416616	536188	23.92%	3.750%
4	7.345	887	893	919	rBV	856582	1212215	54.07%	8.479%
5	7.610	933	938	956	rBV	17681	46242	2.06%	0.323%
6	8.063	1009	1015	1035	rBV	507496	719807	32.11%	5.034%
7	9.133	1191	1197	1216	rBV	1688314	2242026	100.00%	15.681%
8	9.810	1307	1312	1327	rBV	570919	796665	35.53%	5.572%
9	10.527	1428	1434	1441	rBV	117407	155870	6.95%	1.090%
10	10.604	1441	1447	1463	rVV	881884	1239150	55.27%	8.667%
11	11.298	1560	1565	1586	rVB	563448	772505	34.46%	5.403%
12	11.827	1650	1655	1673	rBV2	37923	91211	4.07%	0.638%
13	12.880	1828	1834	1844	rBV	1480807	1890724	84.33%	13.224%
14	13.804	1983	1991	2008	rBV	11155	64861	2.89%	0.454%
15	13.933	2008	2013	2022	rVB	312260	444591	19.83%	3.110%
16	15.380	2252	2259	2272	rBV	270114	457197	20.39%	3.198%

Sum of corrected areas: 14297504

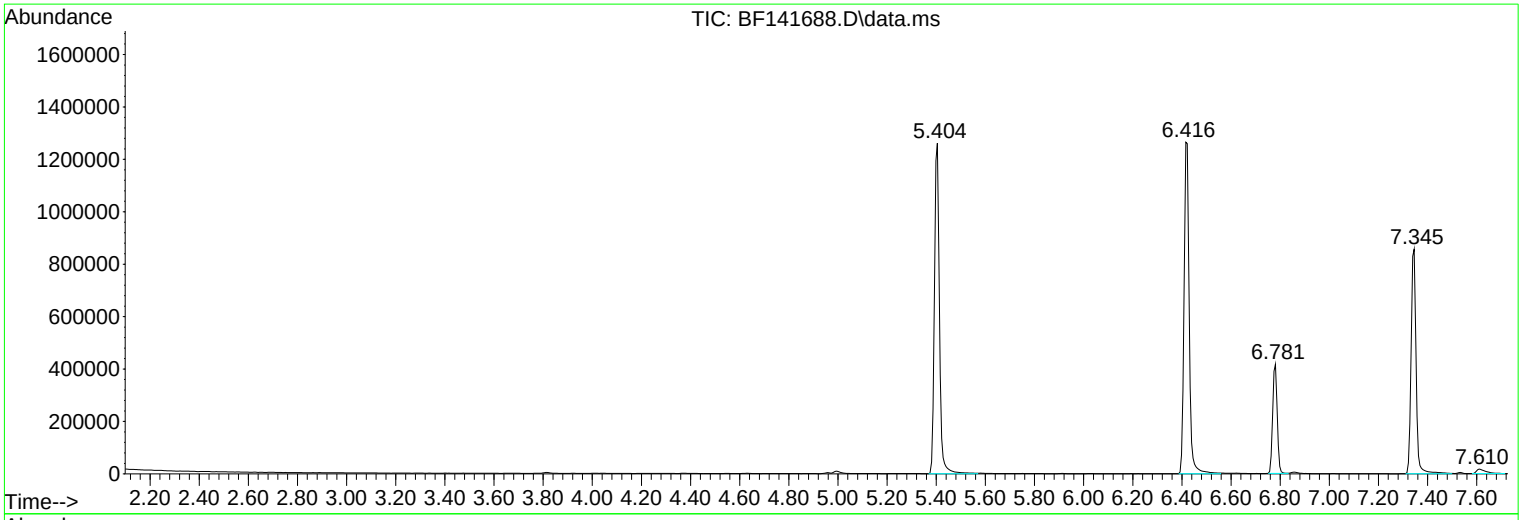
Sample Results: **BF141688.D**

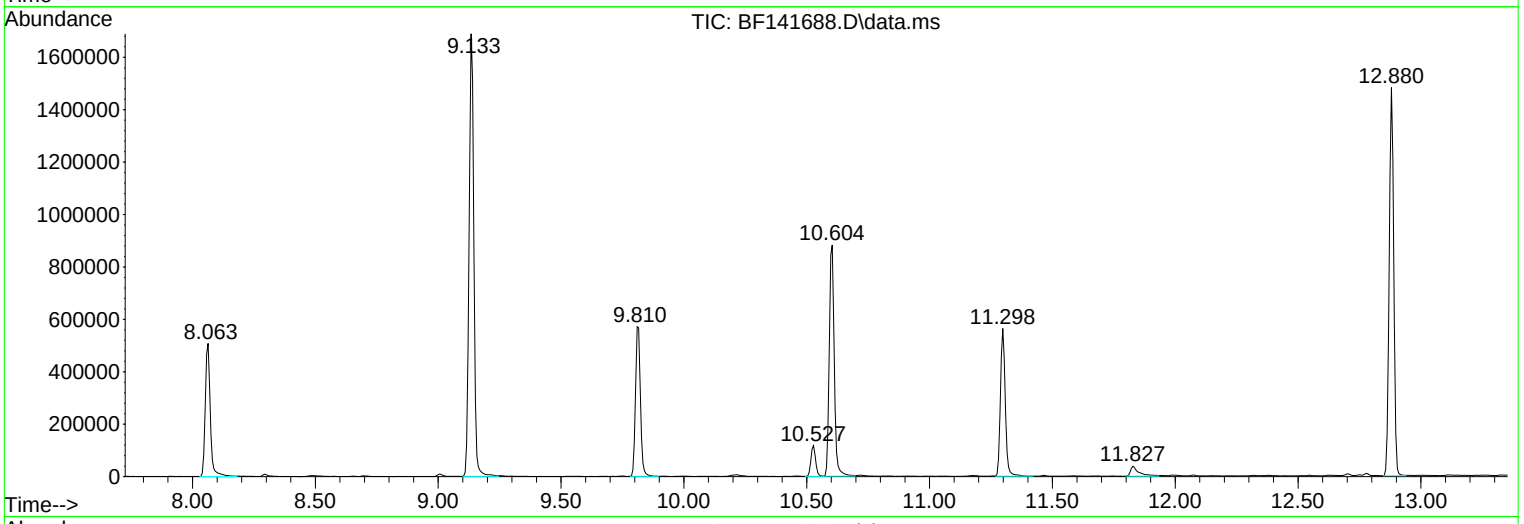
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141688.D
Acq On : 19 Feb 2025 21:38
Operator : RC/JU
Sample : Q1383-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

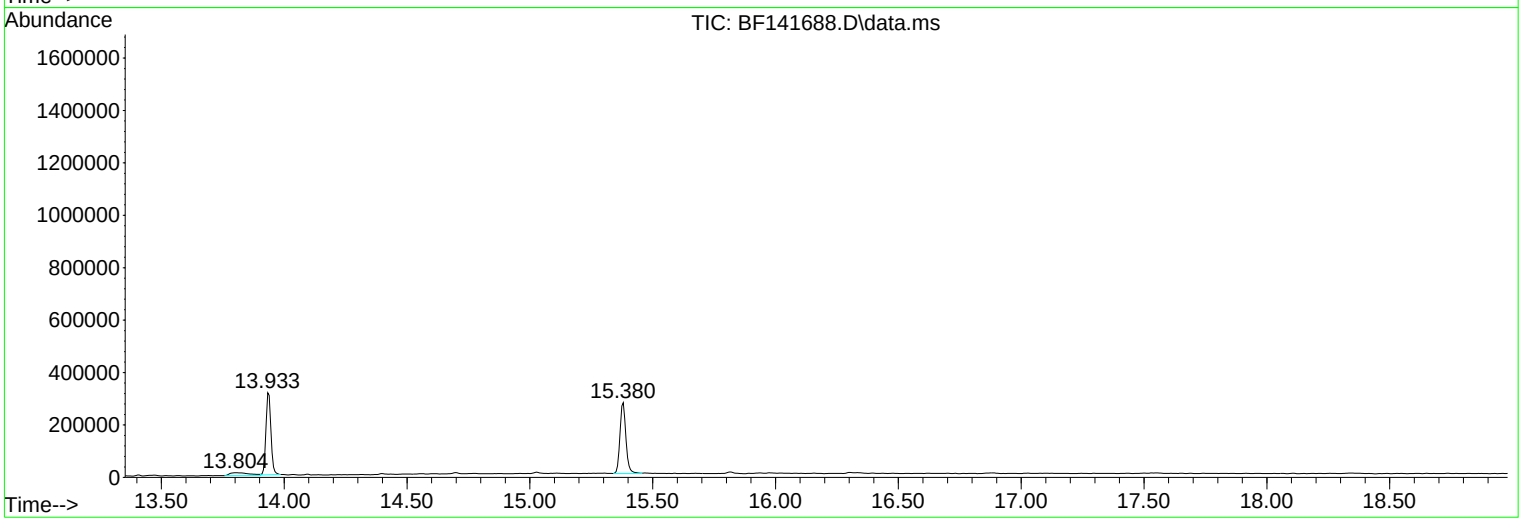
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141688.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141688.D
Acq On : 19 Feb 2025 21:38
Operator : RC/JU
Sample : Q1383-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141688.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141688.D
Acq On : 19 Feb 2025 21:38
Operator : RC/JU
Sample : Q1383-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-13-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141689.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-14-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141689.D	1	02/19/25 10:05	02/19/25 22:07	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	63.6		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.0		44 - 115		69%	SPK: 100
1718-51-0	Terphenyl-d14	79.8		54 - 127		80%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87500	6.781				
1146-65-2	Naphthalene-d8	348000	8.063				
15067-26-2	Acenaphthene-d10	182000	9.816				
1517-22-2	Phenanthrene-d10	309000	11.298				
1719-03-5	Chrysene-d12	162000	13.933				
1520-96-3	Perylene-d12	168000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141689.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-14-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141689.D	1	02/19/25 10:05	02/19/25 22:07	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF021925\
Data File : BF141689.D
Acq On : 19 Feb 2025 22:07
Operator : RC/JU
Sample : Q1383-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Quant Time: Feb 20 00:15:38 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

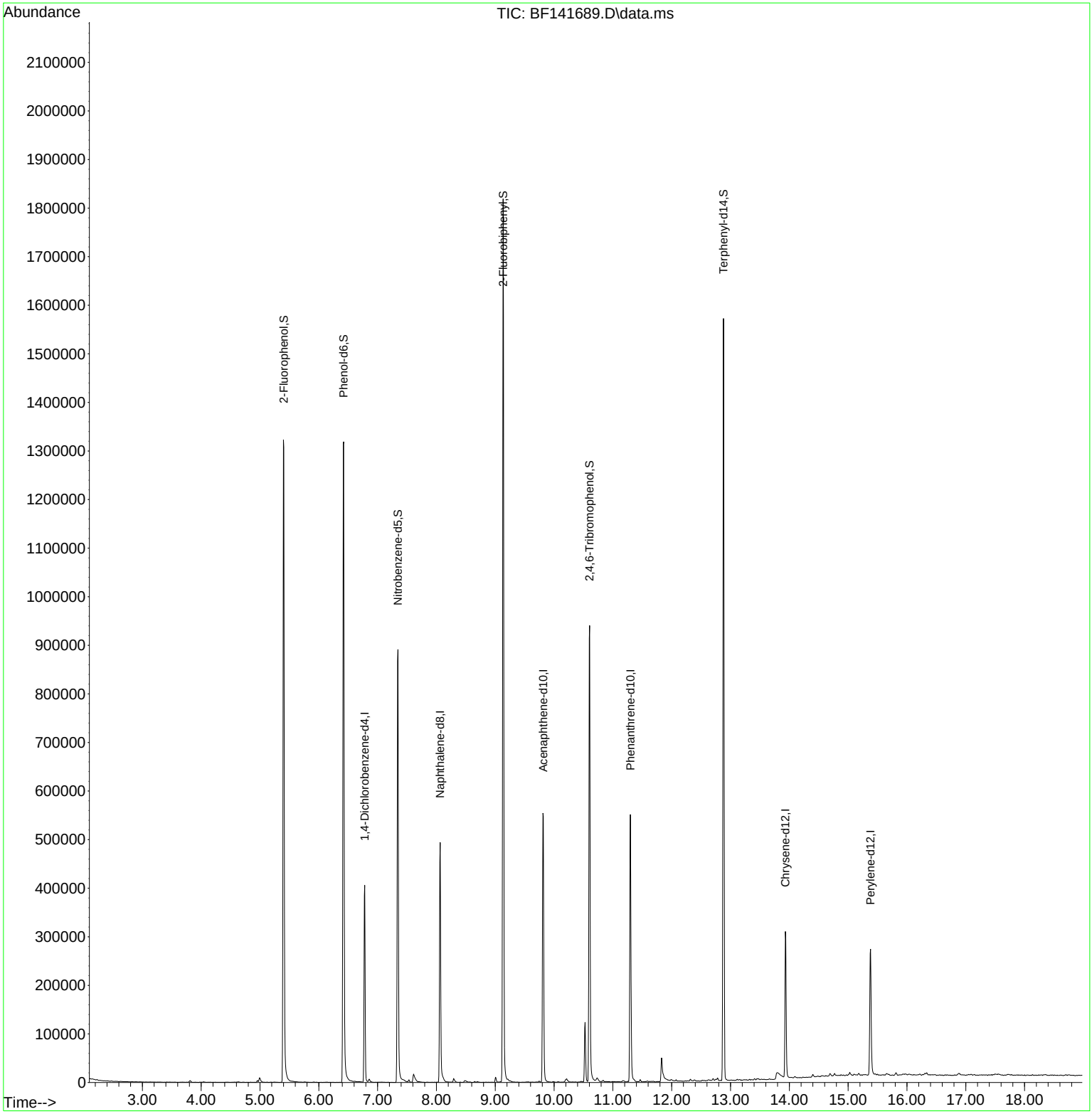
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87499	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	348299	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	182351	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	309267	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	162170	20.000	ng	-0.03
86) Perylene-d12	15.380	264	167944	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	529826	94.930	ng	0.00
7) Phenol-d6	6.422	99	644588	91.377	ng	-0.02
23) Nitrobenzene-d5	7.345	82	424630	63.589	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	165617	90.412	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	816714	69.002	ng	-0.02
79) Terphenyl-d14	12.880	244	766330	79.774	ng	-0.02
Target Compounds						Qvalue

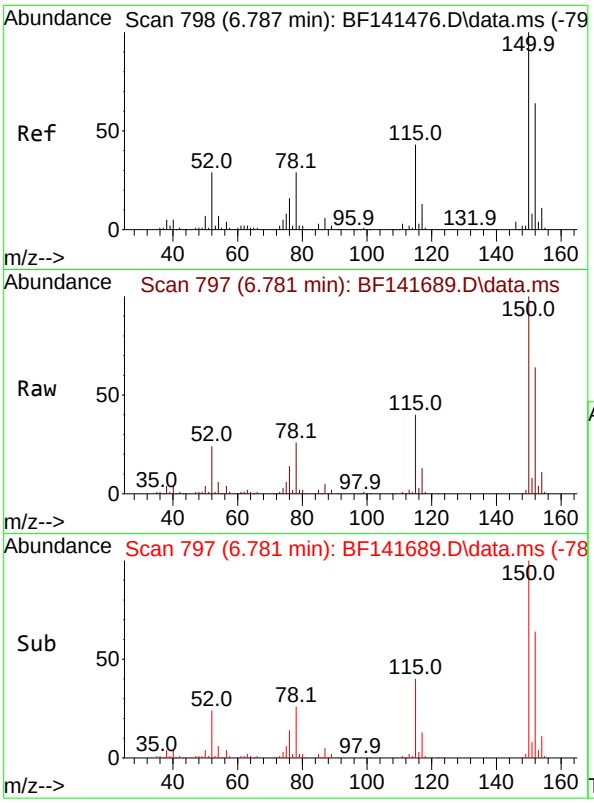
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141689.D
Acq On : 19 Feb 2025 22:07
Operator : RC/JU
Sample : Q1383-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Quant Time: Feb 20 00:15:38 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



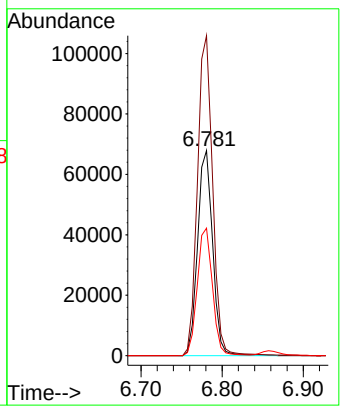


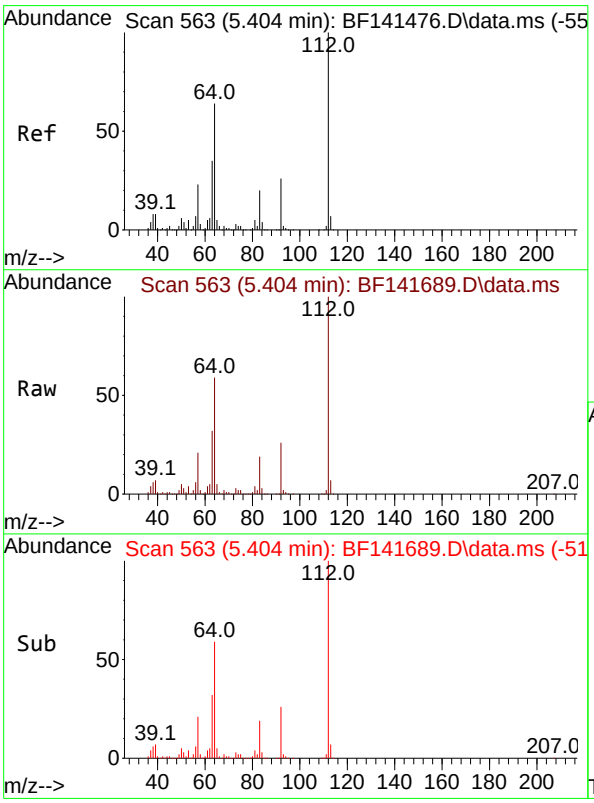
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion:152 Resp: 87499

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.0	187.4
115	62.2	53.6	80.4

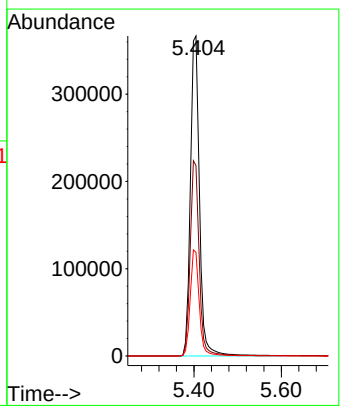


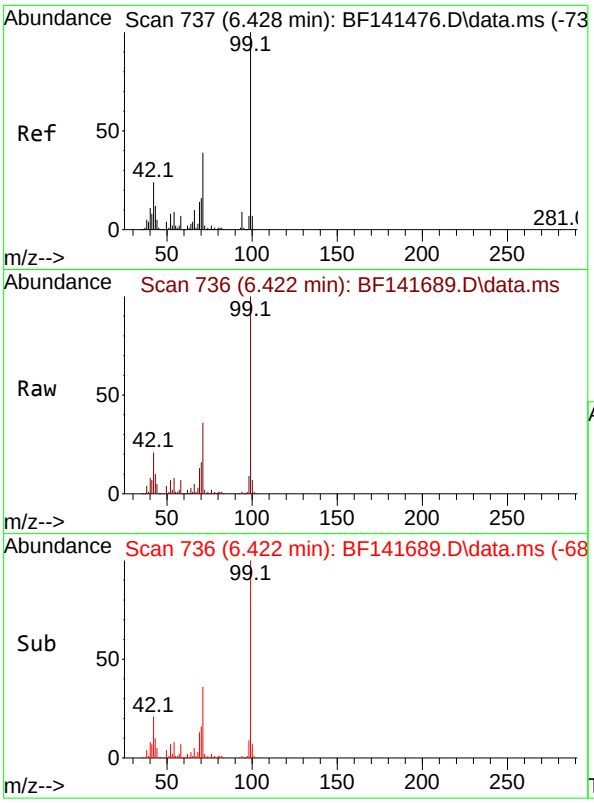


#5
2-Fluorophenol
Concen: 94.930 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:112 Resp: 529826

Ion	Ratio	Lower	Upper
112	100		
64	59.5	51.1	76.7
63	32.4	28.4	42.6



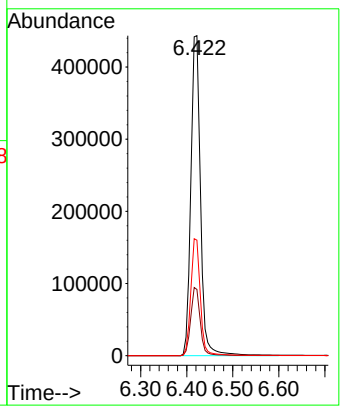


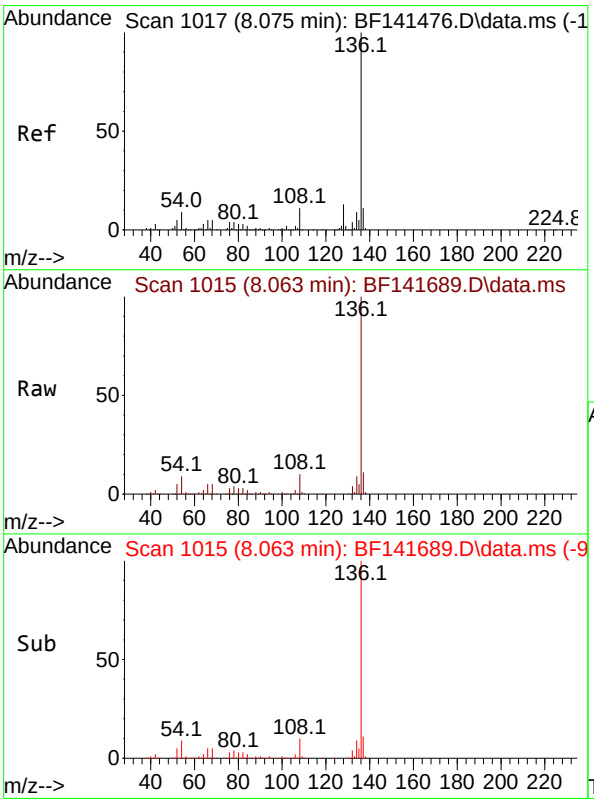
#7
Phenol-d6
Concen: 91.377 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion: 99 Resp: 644588

Ion	Ratio	Lower	Upper
99	100		
42	20.7	19.1	28.7
71	36.1	31.1	46.7

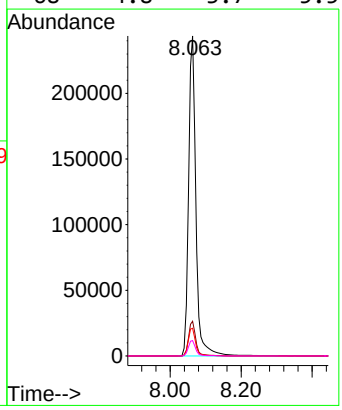


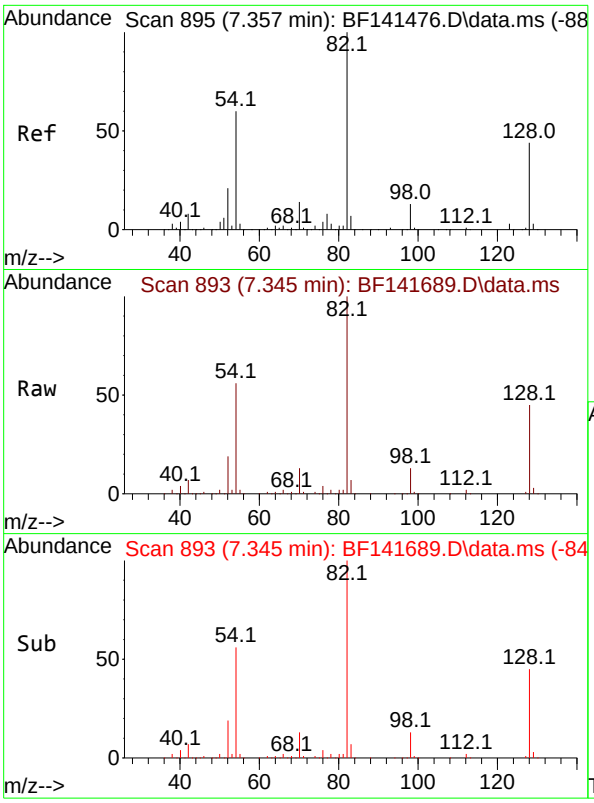


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:136 Resp: 348299

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.7	7.2	10.8
68	4.8	3.7	5.5



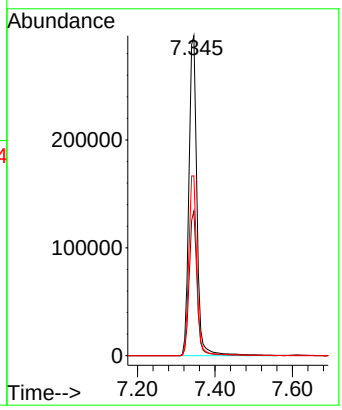


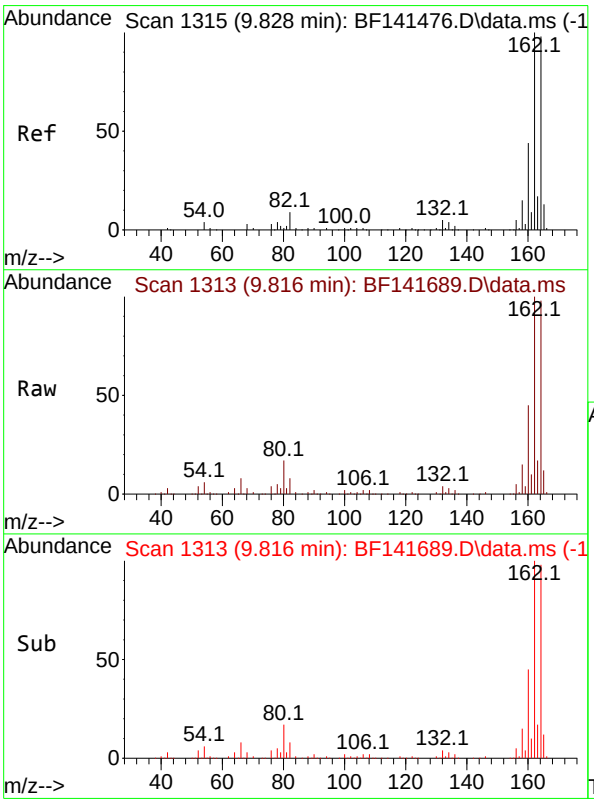
#23
Nitrobenzene-d5
Concen: 63.589 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion: 82 Resp: 424630

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.8	52.2
54	56.2	48.2	72.4

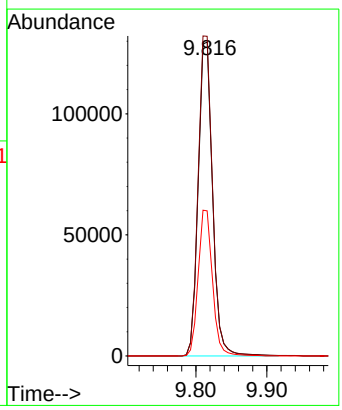


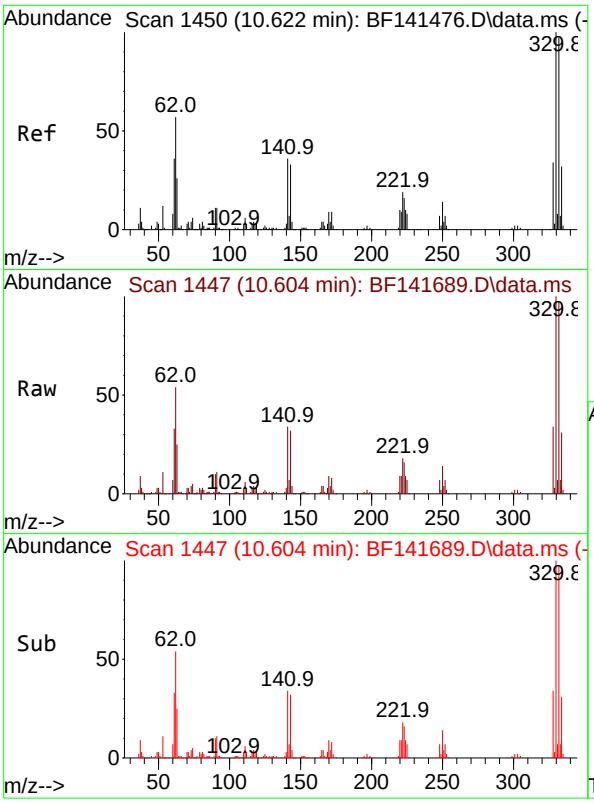


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:164 Resp: 182351

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.3	121.9
160	46.2	35.9	53.9



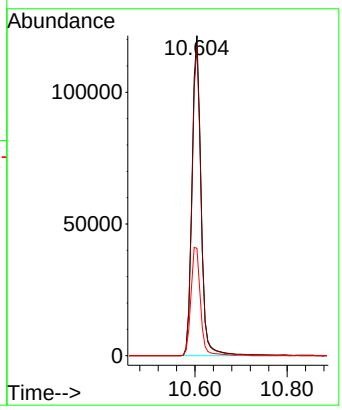


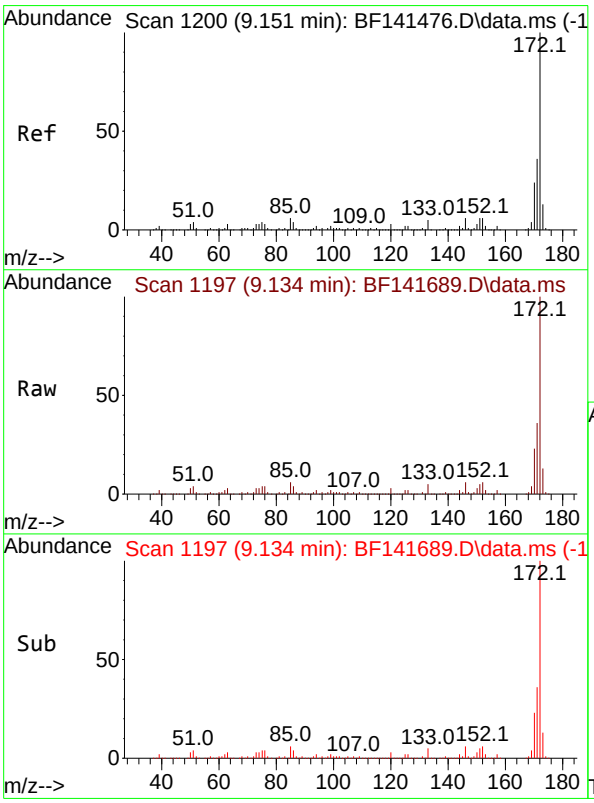
#42
2,4,6-Tribromophenol
Concen: 90.412 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion:330 Resp: 165617

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.5	117.7
141	35.5	31.0	46.4

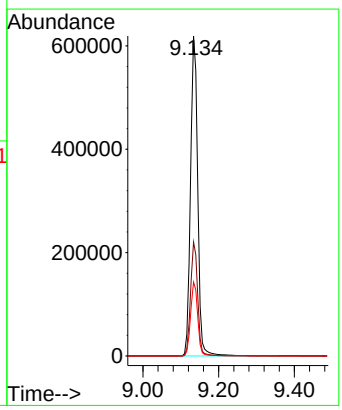


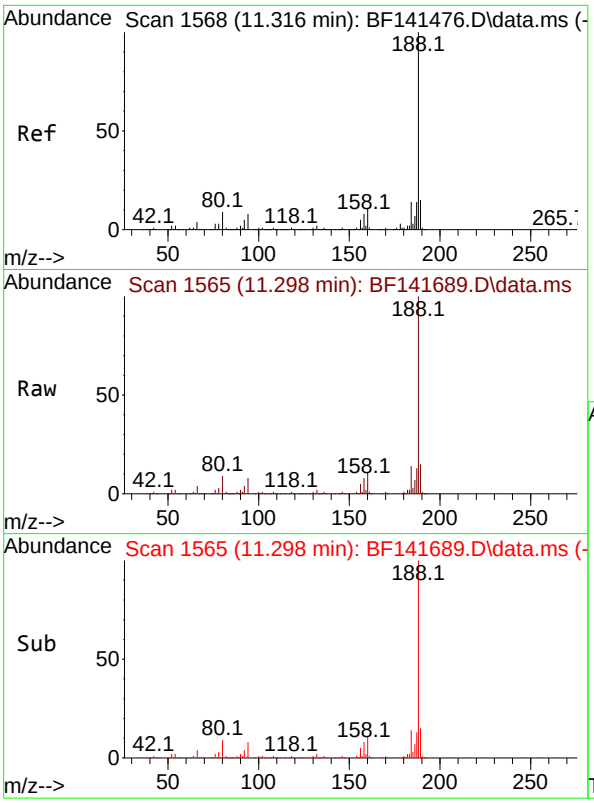


#45
2-Fluorobiphenyl
Concen: 69.002 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:172 Resp: 816714

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.1	18.9	28.3



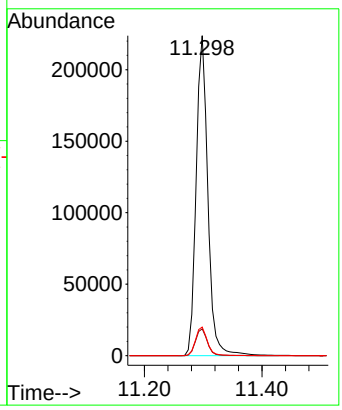


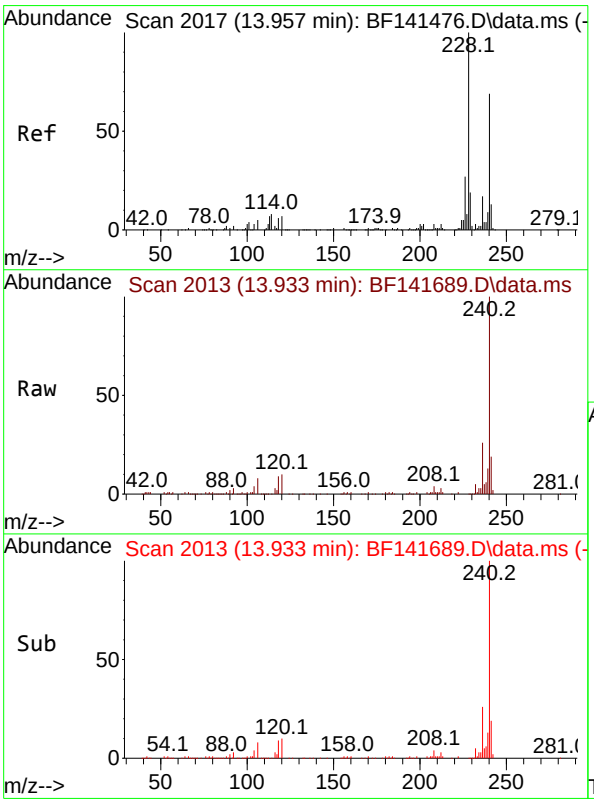
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion:188 Resp: 309267

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	8.9	7.3	10.9

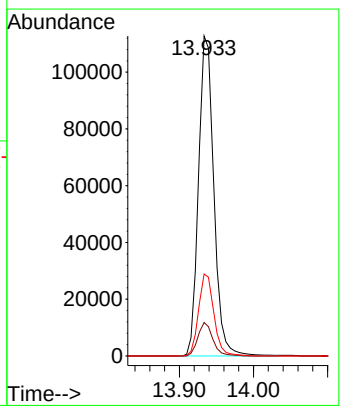


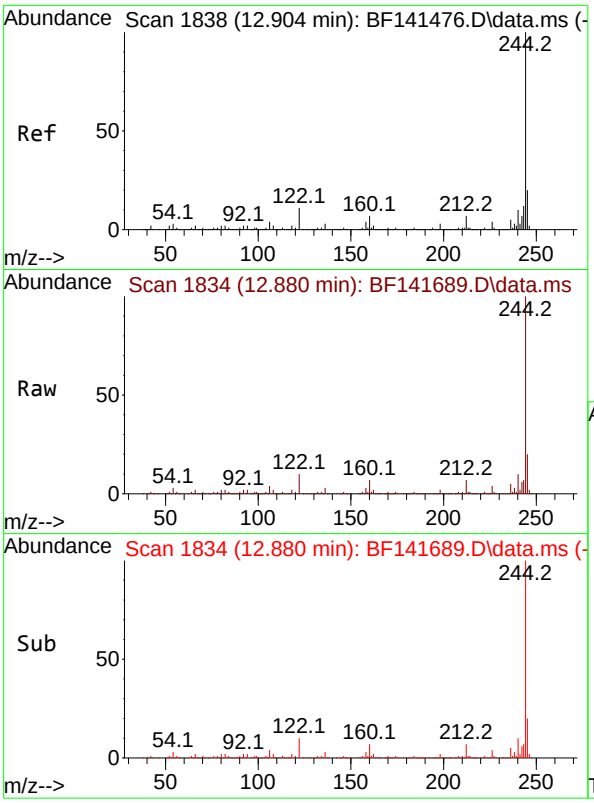


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:240 Resp: 162170

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.0	12.0
236	25.6	19.8	29.8



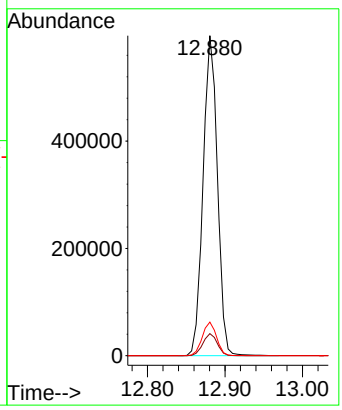


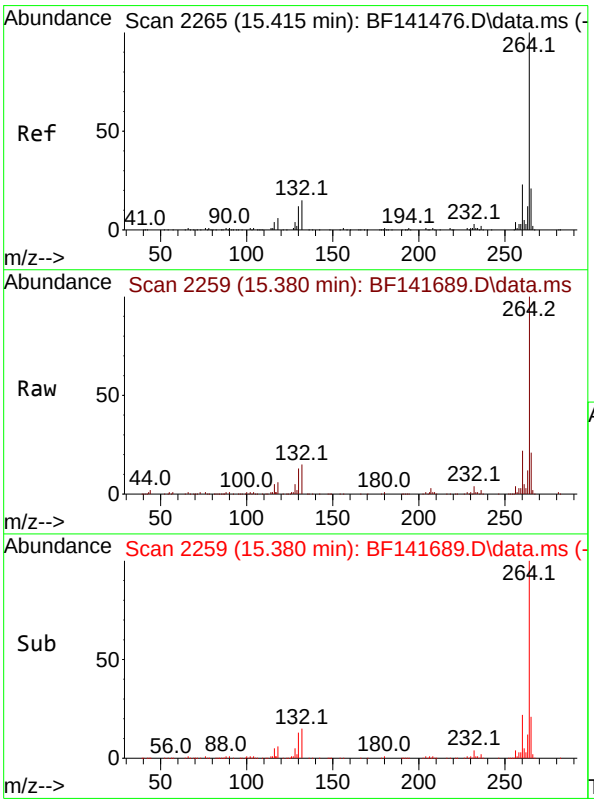
#79
Terphenyl-d14
Concen: 79.774 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion:244 Resp: 766330

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.5	8.4	12.6

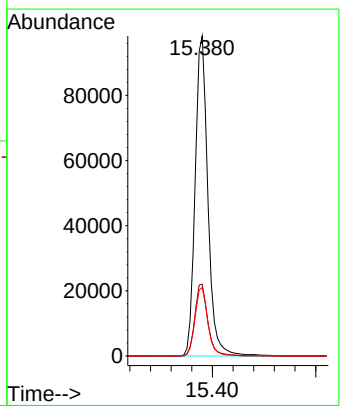




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:264 Resp: 167944

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	28.0
265	21.4	17.0	25.4



Sample Results: **BF141689.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141689.D
Acq On : 19 Feb 2025 22:07
Operator : RC/JU
Sample : Q1383-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141689.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.399	557	562	586	rBV	1322849	1902468	80.78%	12.857%
2	6.422	730	736	763	rBV	1318731	1937117	82.25%	13.091%
3	6.781	791	797	806	rBV	405244	524136	22.26%	3.542%
4	7.345	887	893	921	rBV	891204	1274037	54.10%	8.610%
5	7.610	933	938	951	rBV	15968	41718	1.77%	0.282%
6	8.063	1009	1015	1034	rBV	493561	698454	29.66%	4.720%
7	9.134	1192	1197	1209	rBV	1816477	2355081	100.00%	15.916%
8	9.810	1307	1312	1325	rBV	553015	769408	32.67%	5.200%
9	10.528	1429	1434	1441	rBV	123066	162914	6.92%	1.101%
10	10.604	1441	1447	1463	rVV	939120	1321076	56.09%	8.928%
11	11.298	1560	1565	1585	rVB	549809	753665	32.00%	5.093%
12	11.828	1650	1655	1674	rBV2	49153	115412	4.90%	0.780%
13	12.880	1828	1834	1846	rBV	1568661	2001775	85.00%	13.528%
14	13.798	1983	1990	2008	rBV	13202	73644	3.13%	0.498%
15	13.933	2008	2013	2027	rVB	301062	429312	18.23%	2.901%
16	15.380	2253	2259	2270	rBV	258629	437060	18.56%	2.954%

Sum of corrected areas: 14797277

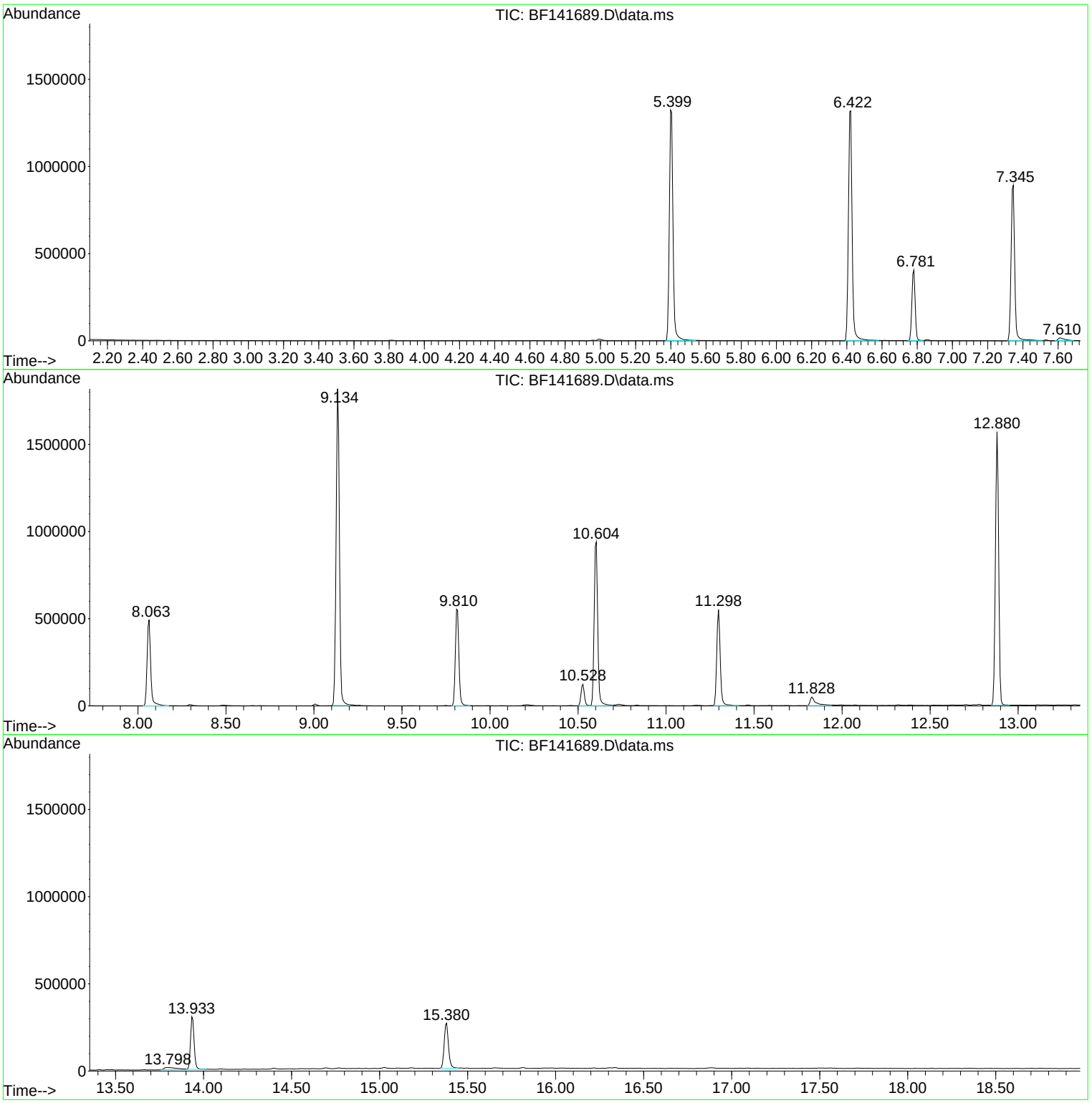
Sample Results: **BF141689.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141689.D
Acq On : 19 Feb 2025 22:07
Operator : RC/JU
Sample : Q1383-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Sample Results: **BF141689.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141689.D
Acq On : 19 Feb 2025 22:07
Operator : RC/JU
Sample : Q1383-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141689.D
Acq On : 19 Feb 2025 22:07
Operator : RC/JU
Sample : Q1383-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141690.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141690.D	1	02/19/25 10:05	02/19/25 22:37	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	76.3		37 - 122		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.2		44 - 115		80%	SPK: 100
1718-51-0	Terphenyl-d14	96.5		54 - 127		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94000	6.781				
1146-65-2	Naphthalene-d8	374000	8.063				
15067-26-2	Acenaphthene-d10	200000	9.81				
1517-22-2	Phenanthrene-d10	337000	11.298				
1719-03-5	Chrysene-d12	183000	13.933				
1520-96-3	Perylene-d12	184000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141690.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141690.D	1	02/19/25 10:05	02/19/25 22:37	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF021925\
Data File : BF141690.D
Acq On : 19 Feb 2025 22:37
Operator : RC/JU
Sample : Q1383-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Quant Time: Feb 20 00:16:04 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

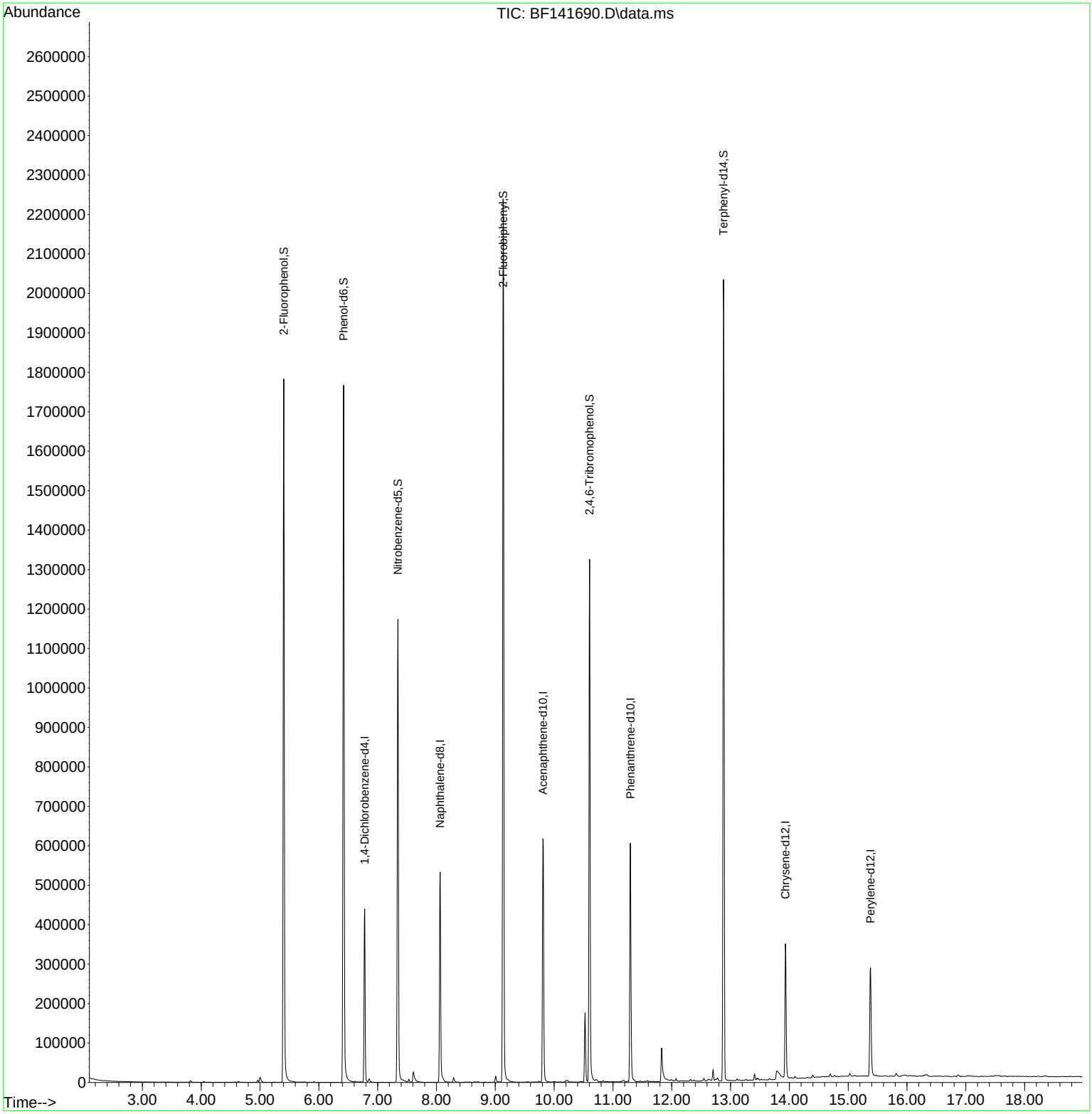
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	93977	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	374022	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	200098	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	336579	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	182552	20.000	ng	-0.03
86) Perylene-d12	15.380	264	183803	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	673535	112.360	ng	0.00
7) Phenol-d6	6.422	99	839637	110.822	ng	-0.02
23) Nitrobenzene-d5	7.345	82	547127	76.298	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	225226	112.049	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1041995	80.228	ng	-0.02
79) Terphenyl-d14	12.880	244	1043224	96.473	ng	-0.02
Target Compounds						Qvalue

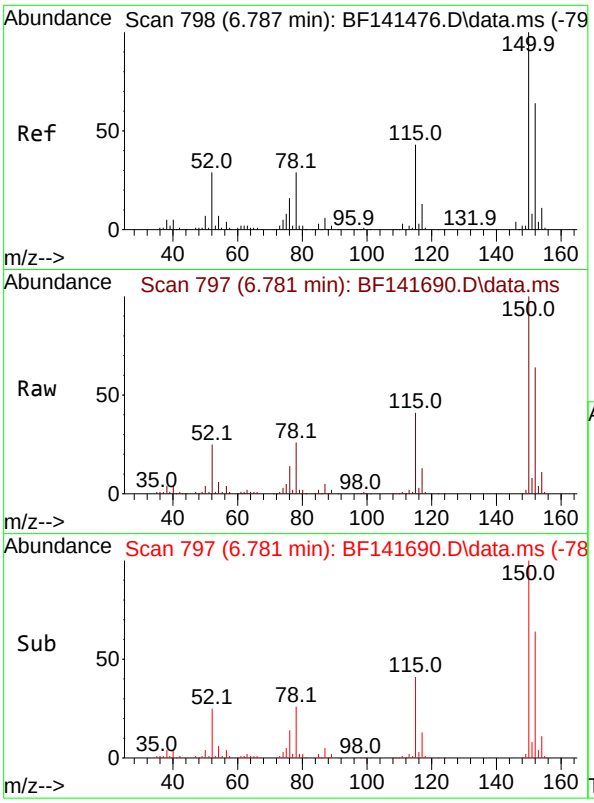
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141690.D
Acq On : 19 Feb 2025 22:37
Operator : RC/JU
Sample : Q1383-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Quant Time: Feb 20 00:16:04 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



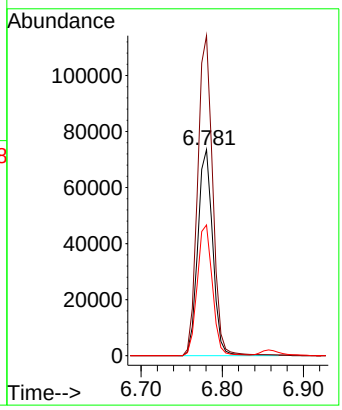


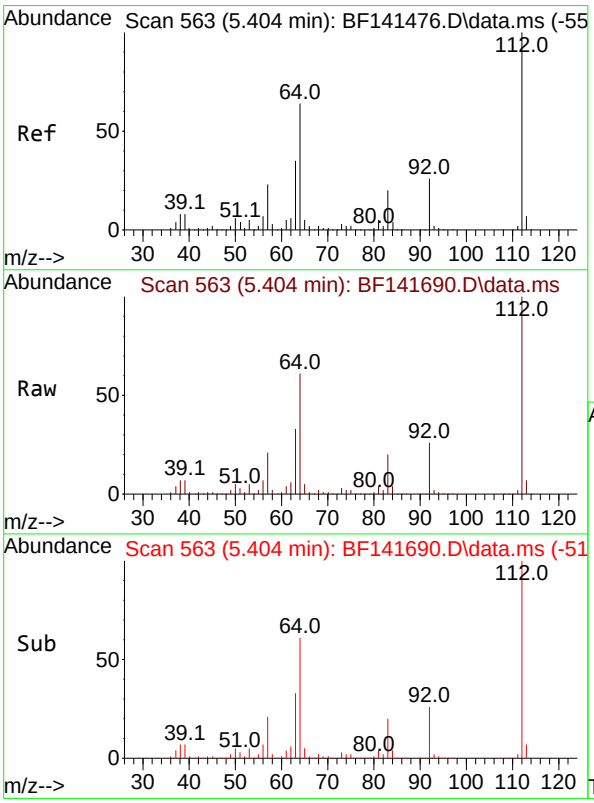
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion:152 Resp: 93977

Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.0	187.4
115	63.4	53.6	80.4

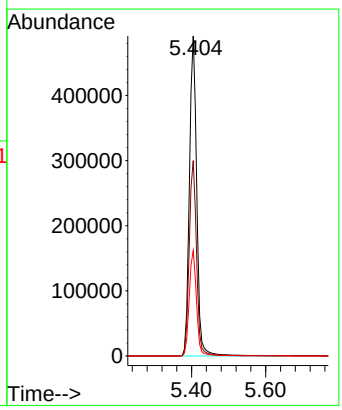


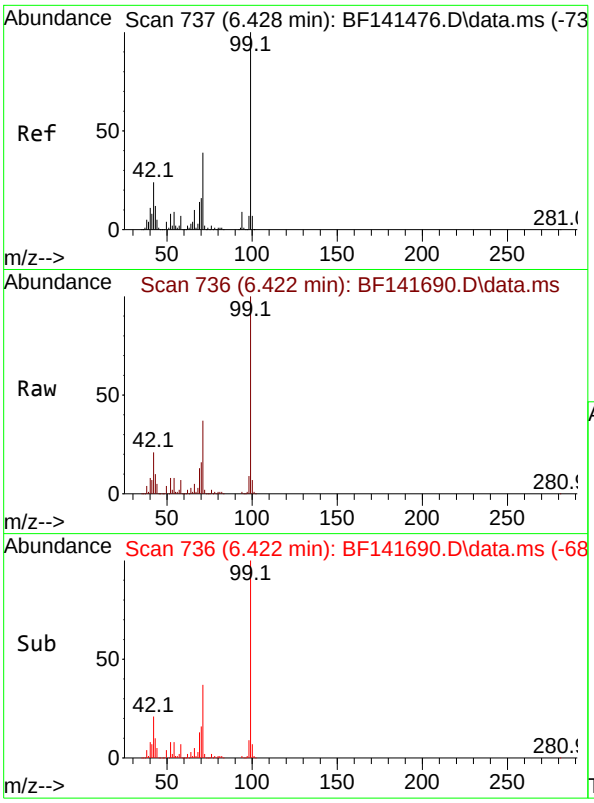


#5
2-Fluorophenol
Concen: 112.360 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:112 Resp: 673535

Ion	Ratio	Lower	Upper
112	100		
64	61.1	51.1	76.7
63	32.9	28.4	42.6



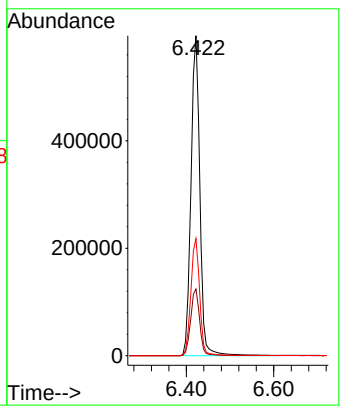


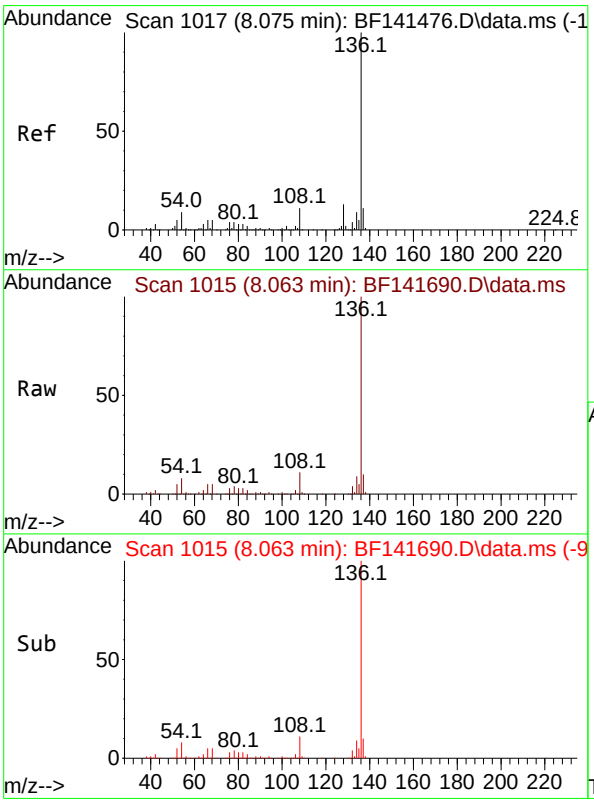
#7
Phenol-d6
Concen: 110.822 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion: 99 Resp: 839637

Ion	Ratio	Lower	Upper
99	100		
42	20.9	19.1	28.7
71	36.6	31.1	46.7

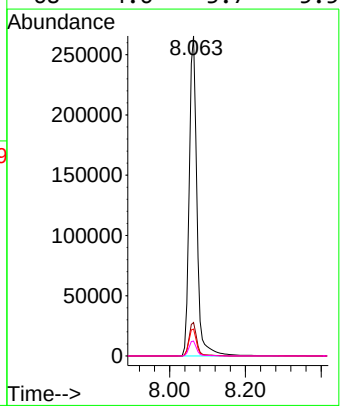


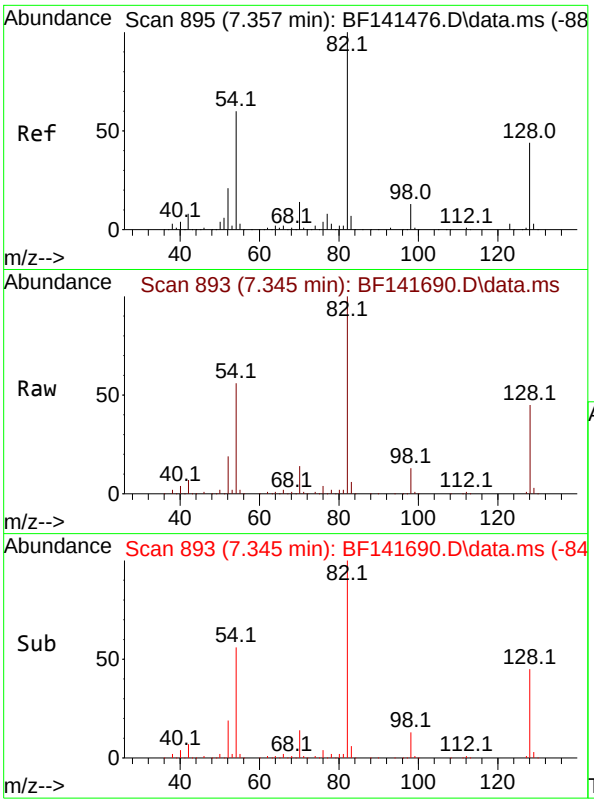


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:136 Resp: 374022

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.4	7.2	10.8
68	4.6	3.7	5.5



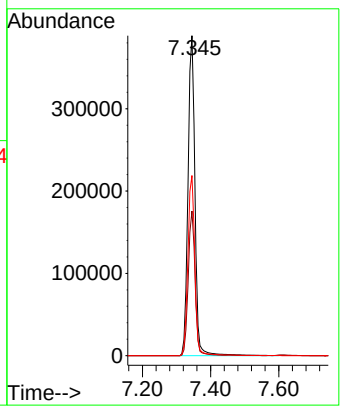


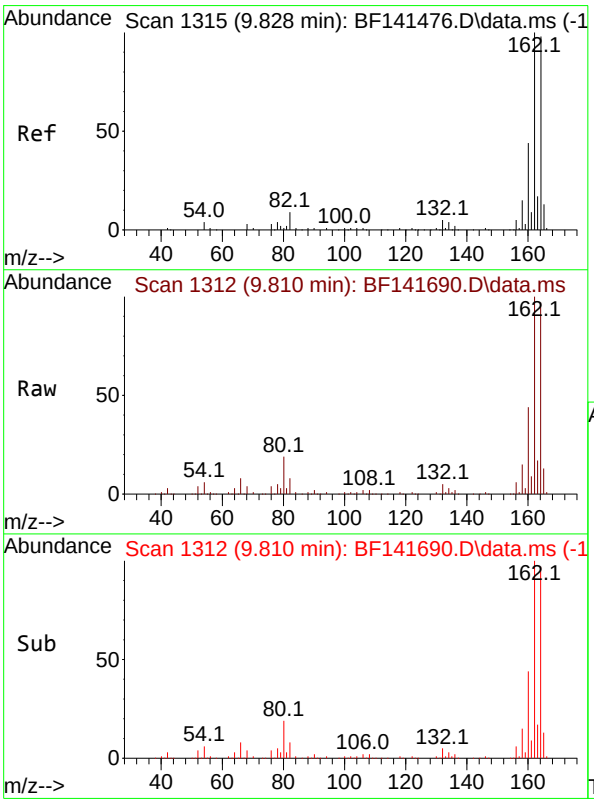
#23
Nitrobenzene-d5
Concen: 76.298 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion: 82 Resp: 547127

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.8	52.2
54	56.3	48.2	72.4

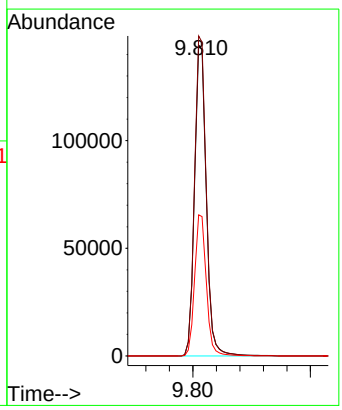


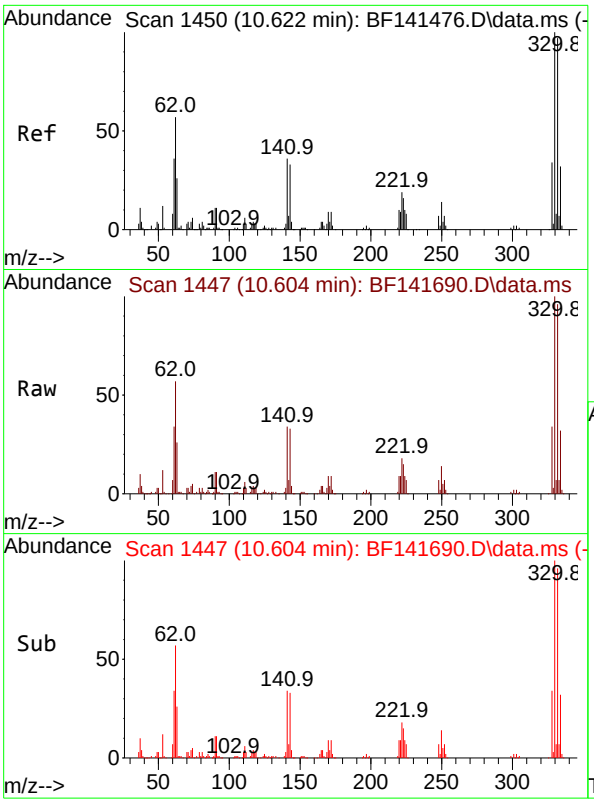


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:164 Resp: 200098

Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.3	121.9
160	45.4	35.9	53.9



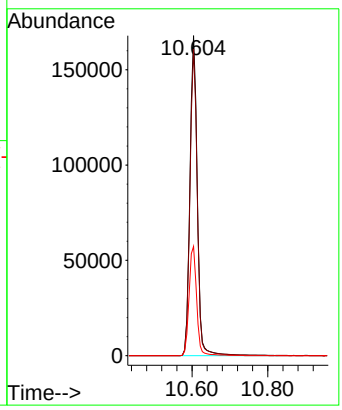


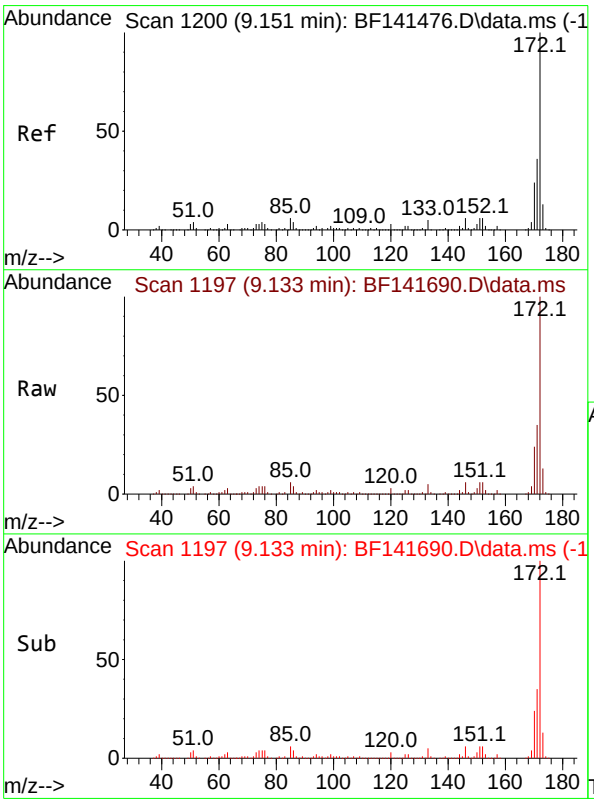
#42
2,4,6-Tribromophenol
Concen: 112.049 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.024 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion:330 Resp: 225226

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.5	117.7
141	35.3	31.0	46.4

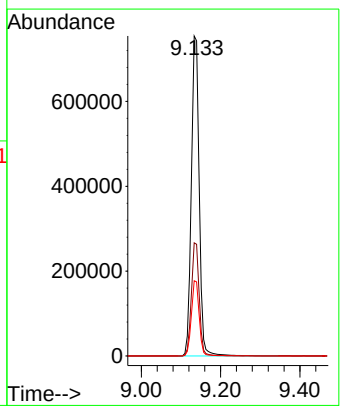


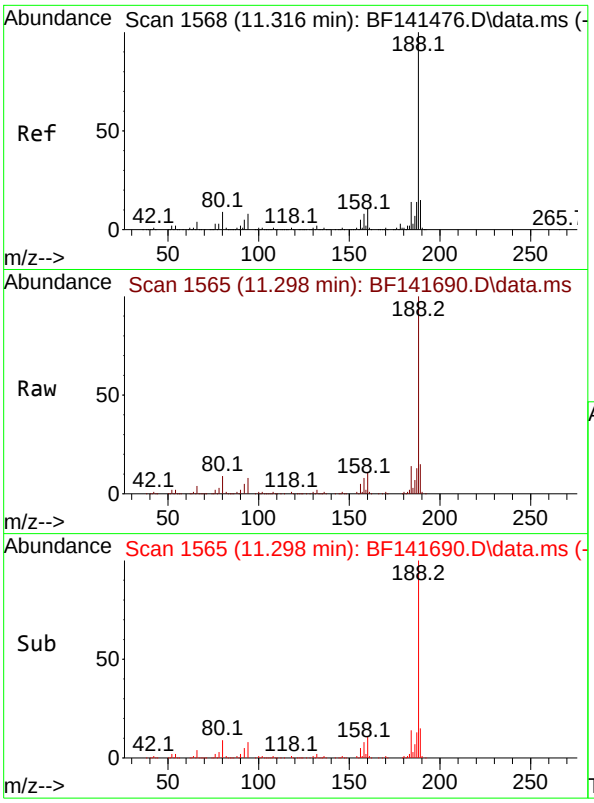


#45
2-Fluorobiphenyl
Concen: 80.228 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:172 Resp: 1041995

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.5	18.9	28.3



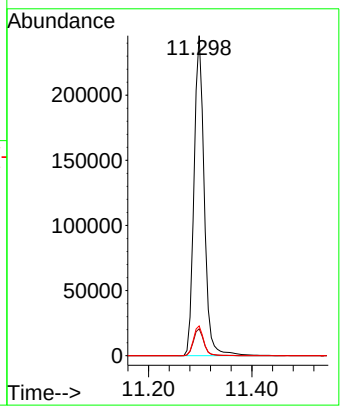


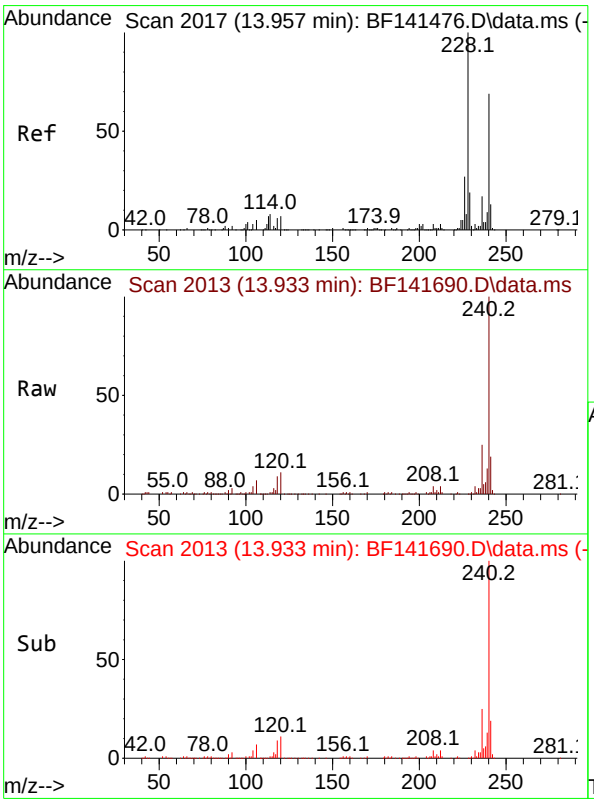
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion:188 Resp: 336579

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.3	7.3	10.9

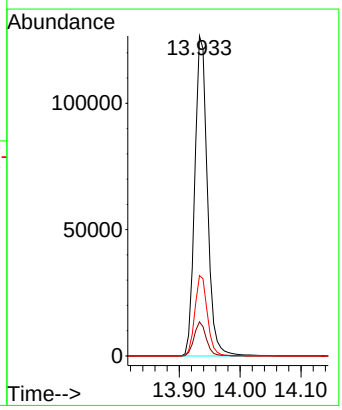


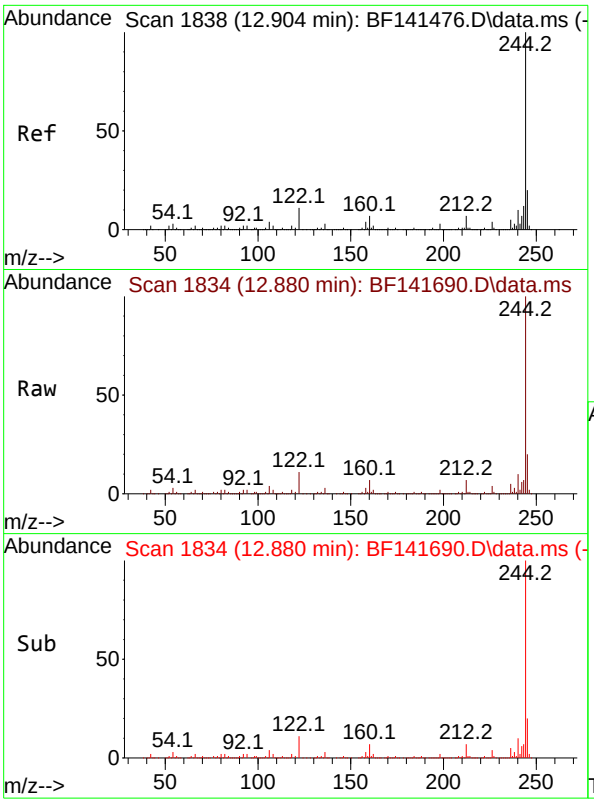


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:240 Resp: 182552

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.0	12.0
236	25.1	19.8	29.8



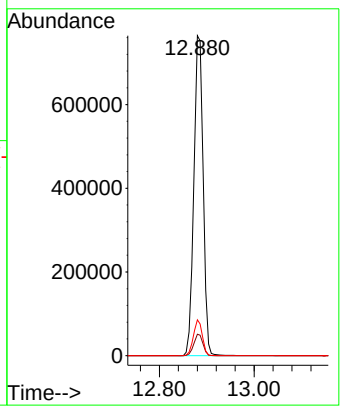


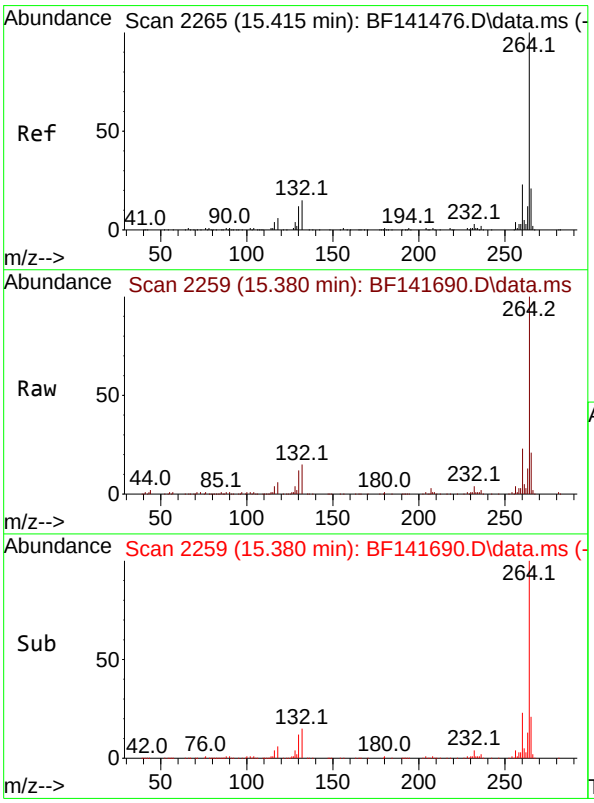
#79
Terphenyl-d14
Concen: 96.473 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion:244 Resp: 1043224

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.2	8.4	12.6

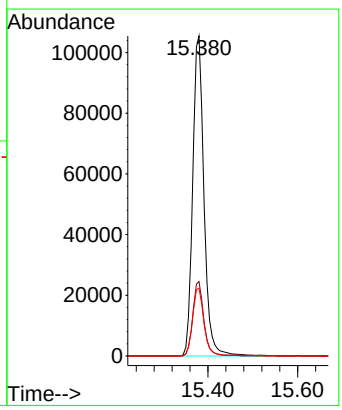




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:264 Resp: 183803

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	17.0	25.4



Sample Results: **BF141690.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141690.D
Acq On : 19 Feb 2025 22:37
Operator : RC/JU
Sample : Q1383-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141690.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	557	563	584	rBV	1782777	2427986	79.64%	12.996%
2	6.422	730	736	757	rBV	1767220	2513498	82.45%	13.454%
3	6.781	792	797	805	rBV	439064	562199	18.44%	3.009%
4	7.345	887	893	921	rBV	1173641	1642653	53.88%	8.793%
5	7.610	933	938	950	rBV	25706	57883	1.90%	0.310%
6	8.063	1009	1015	1033	rBV	532799	746452	24.48%	3.996%
7	9.133	1191	1197	1216	rBV	2237890	3048669	100.00%	16.319%
8	9.810	1307	1312	1328	rBV	616343	842899	27.65%	4.512%
9	10.527	1429	1434	1441	rBV	175370	224115	7.35%	1.200%
10	10.604	1441	1447	1461	rBV	1323244	1791251	58.76%	9.588%
11	11.298	1560	1565	1584	rVB	604915	825207	27.07%	4.417%
12	11.827	1650	1655	1673	rBV2	84922	175390	5.75%	0.939%
13	12.704	1799	1804	1808	rVB	26470	32133	1.05%	0.172%
14	12.880	1828	1834	1840	rBV	2030311	2720905	89.25%	14.564%
15	13.792	1983	1989	2007	rBV4	21336	101034	3.31%	0.541%
16	13.933	2008	2013	2026	rVB	340847	488233	16.01%	2.613%
17	15.380	2252	2259	2270	rBV	275123	481401	15.79%	2.577%

Sum of corrected areas: 18681908

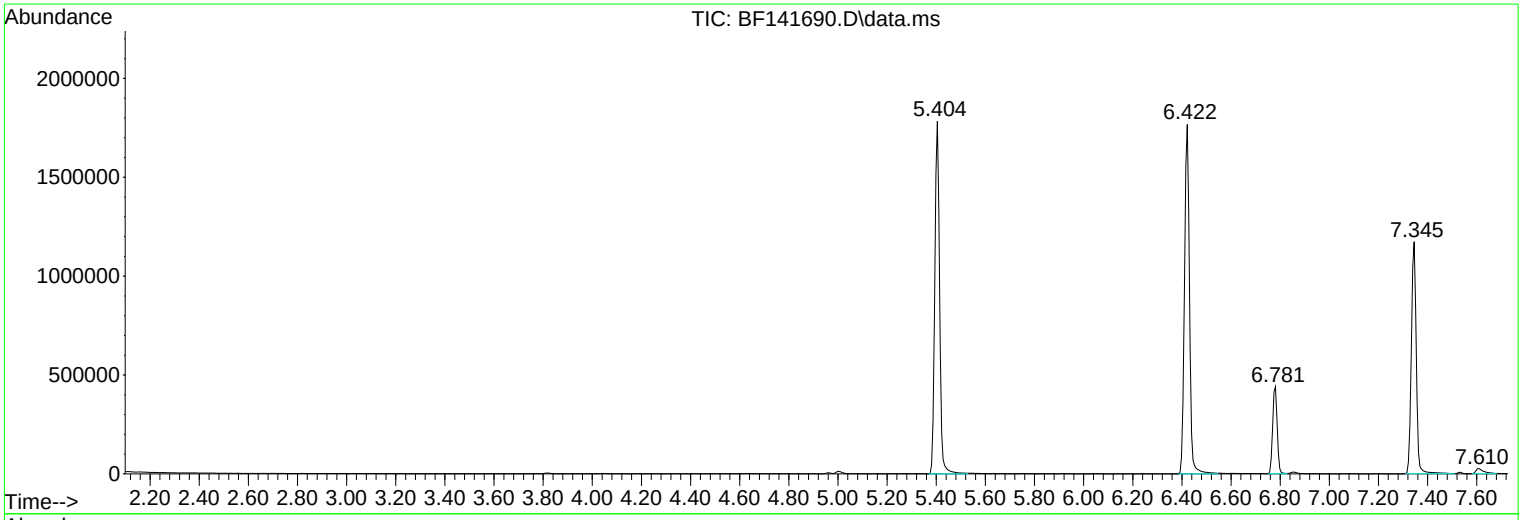
Sample Results: **BF141690.D**

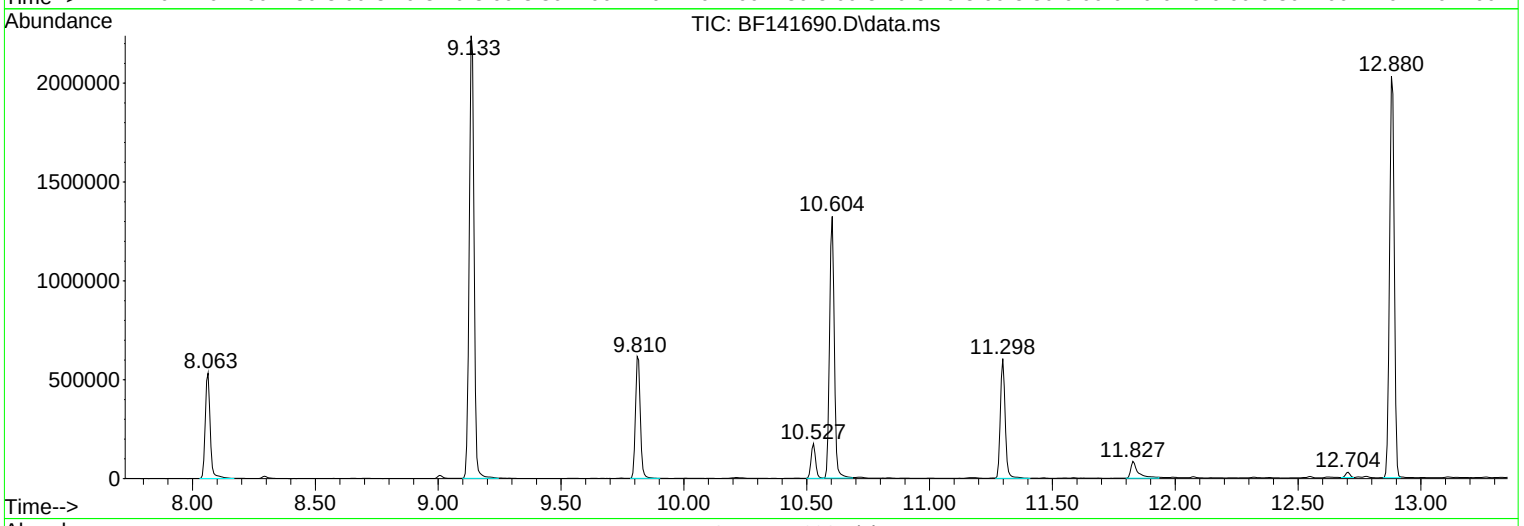
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141690.D
Acq On : 19 Feb 2025 22:37
Operator : RC/JU
Sample : Q1383-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

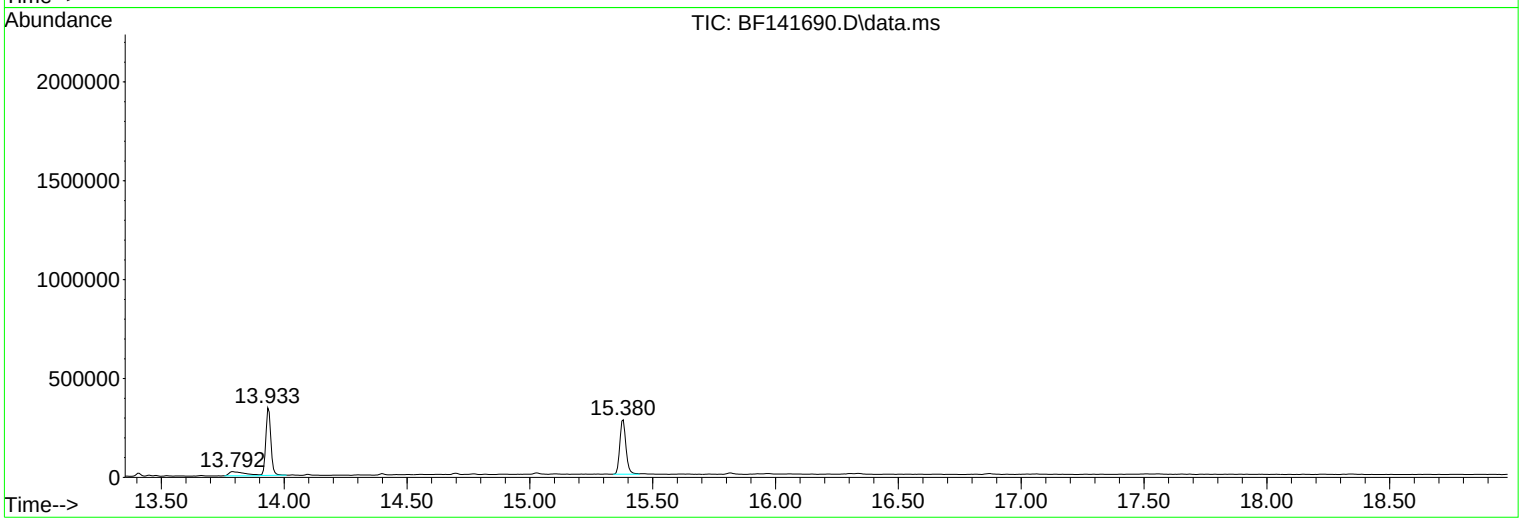
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141690.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141690.D
Acq On : 19 Feb 2025 22:37
Operator : RC/JU
Sample : Q1383-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141690.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141690.D
Acq On : 19 Feb 2025 22:37
Operator : RC/JU
Sample : Q1383-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141700.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-16-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141700.D	1	02/19/25 10:05	02/20/25 13:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	53.4		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.7		44 - 115		58%	SPK: 100
1718-51-0	Terphenyl-d14	61.1		54 - 127		61%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82400	6.775				
1146-65-2	Naphthalene-d8	322000	8.063				
15067-26-2	Acenaphthene-d10	168000	9.81				
1517-22-2	Phenanthrene-d10	284000	11.298				
1719-03-5	Chrysene-d12	192000	13.933				
1520-96-3	Perylene-d12	146000	15.374				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141700.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-16-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141700.D	1	02/19/25 10:05	02/20/25 13:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF022025\
Data File : BF141700.D
Acq On : 20 Feb 2025 13:36
Operator : RC/JU
Sample : Q1383-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Quant Time: Feb 20 14:33:30 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

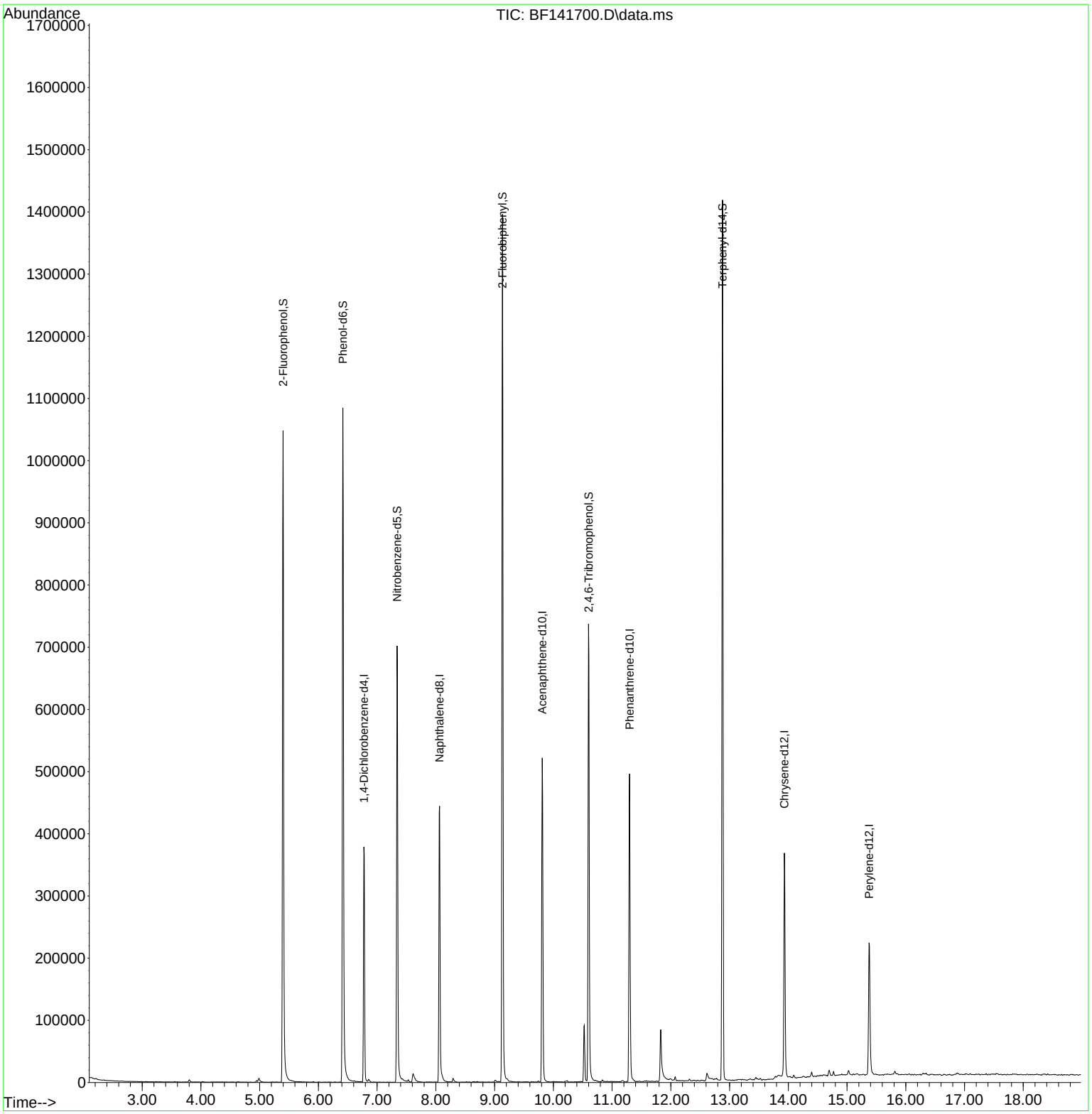
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	82444	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	322017	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	167817	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	284309	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	192403	20.000	ng	-0.03
86) Perylene-d12	15.374	264	145631	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	416622	79.224	ng	-0.01
7) Phenol-d6	6.416	99	523552	78.769	ng	-0.02
23) Nitrobenzene-d5	7.340	82	329559	53.380	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	128585	76.275	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	628950	57.741	ng	-0.02
79) Terphenyl-d14	12.880	244	696166	61.083	ng	-0.02
Target Compounds						Qvalue

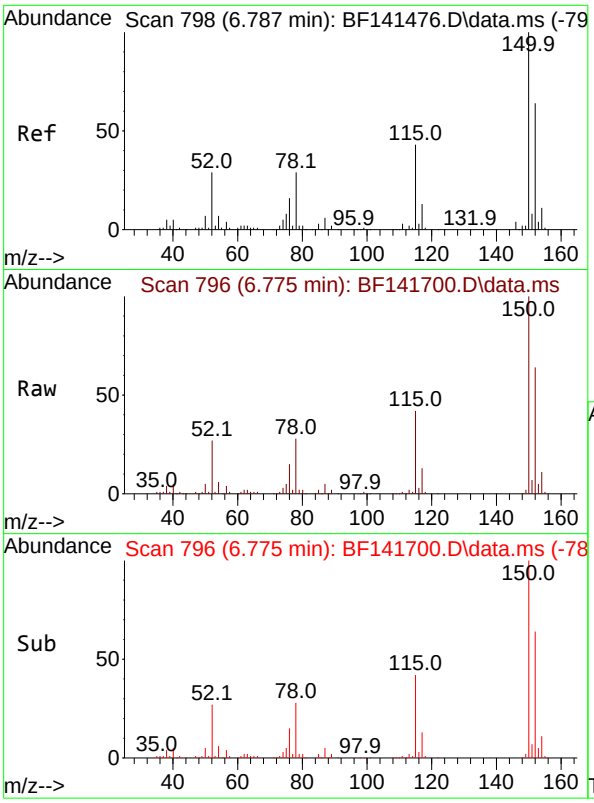
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141700.D
Acq On : 20 Feb 2025 13:36
Operator : RC/JU
Sample : Q1383-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Quant Time: Feb 20 14:33:30 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



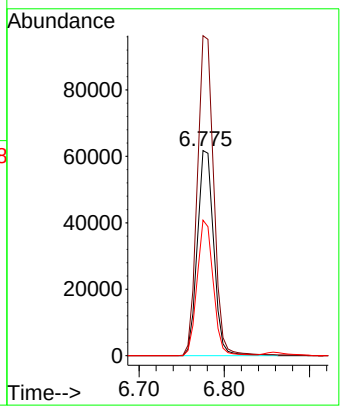


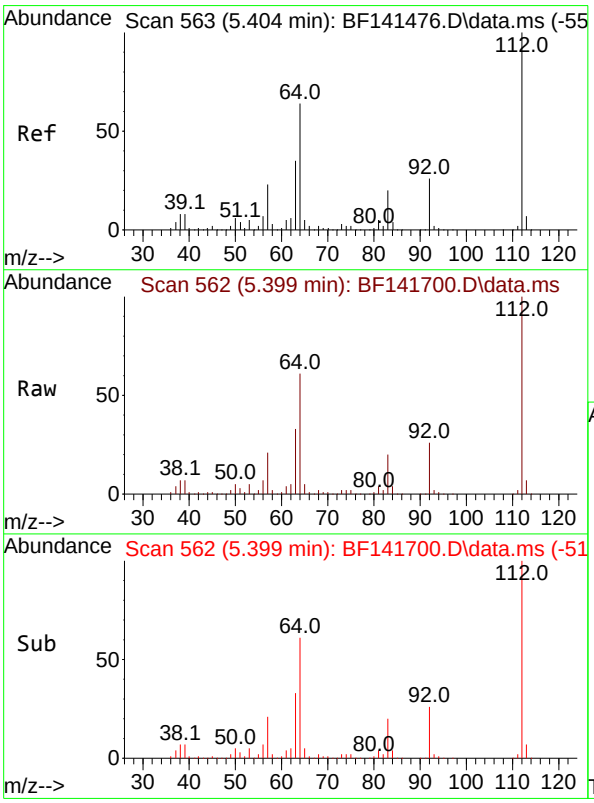
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion:152 Resp: 82444

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.0	187.4
115	66.0	53.6	80.4

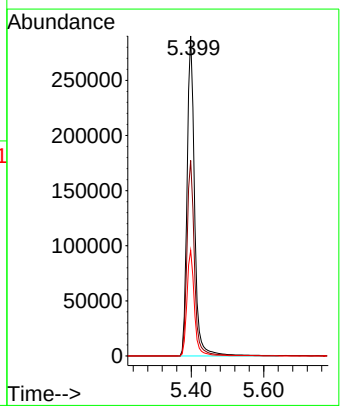


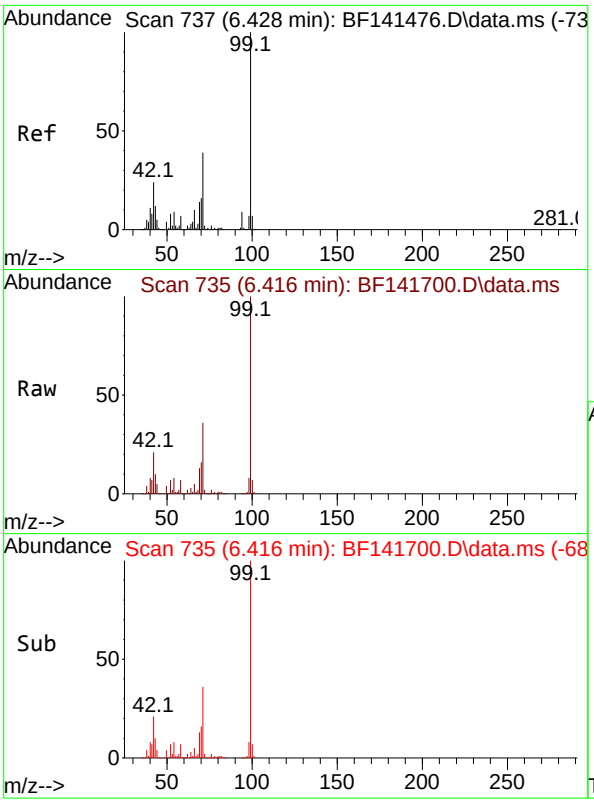


#5
2-Fluorophenol
Concen: 79.224 ng
RT: 5.399 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:112 Resp: 416622

Ion	Ratio	Lower	Upper
112	100		
64	61.1	51.1	76.7
63	33.0	28.4	42.6



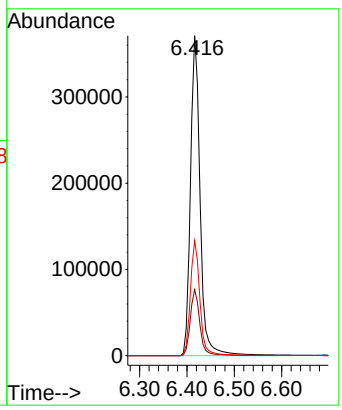


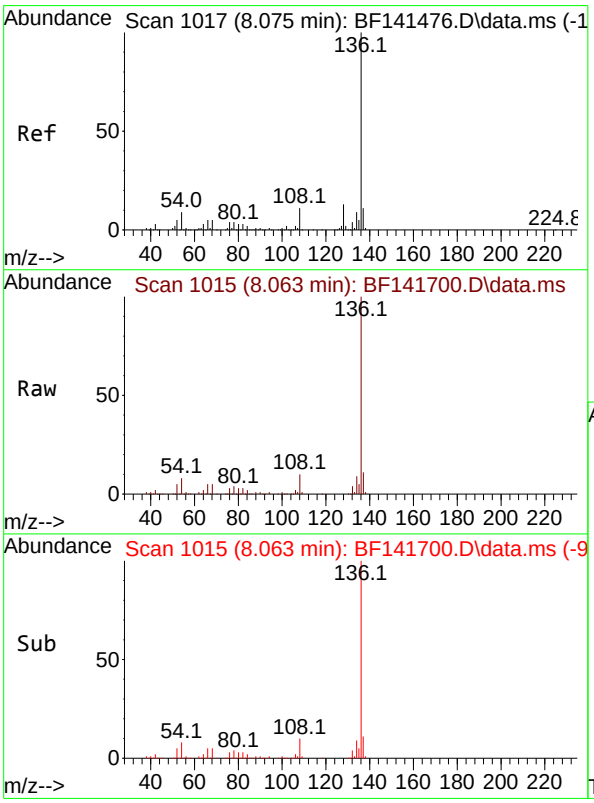
#7
Phenol-d6
Concen: 78.769 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion: 99 Resp: 523552

Ion	Ratio	Lower	Upper
99	100		
42	20.7	19.1	28.7
71	35.9	31.1	46.7

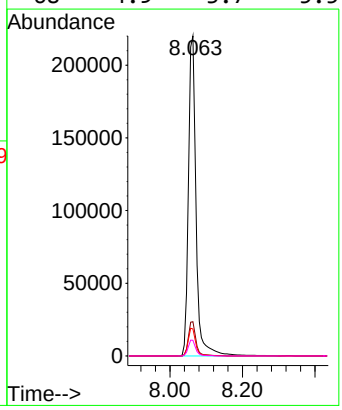


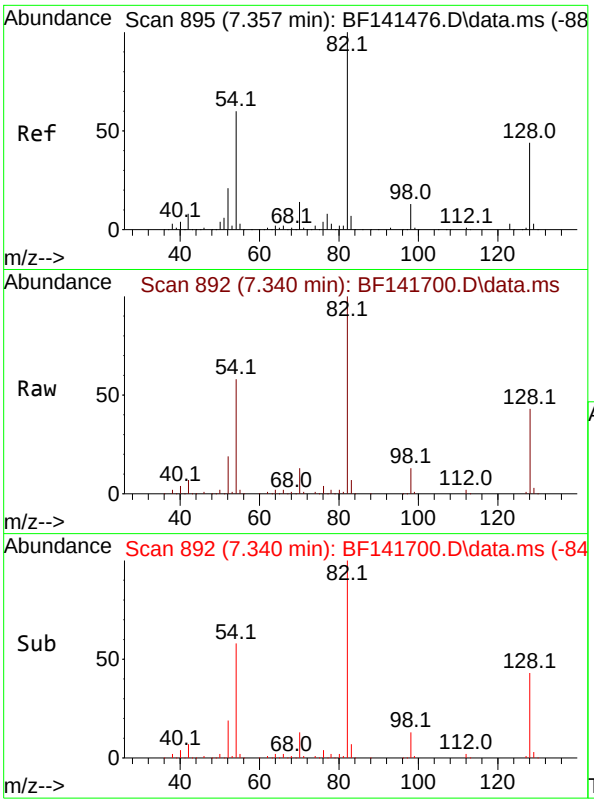


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:136 Resp: 322017

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.5	7.2	10.8
68	4.9	3.7	5.5



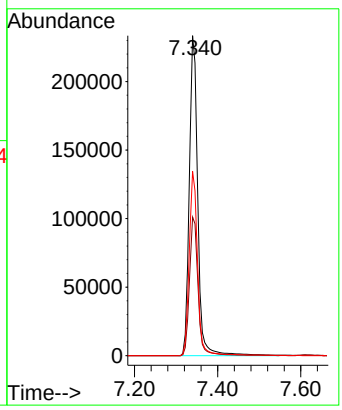


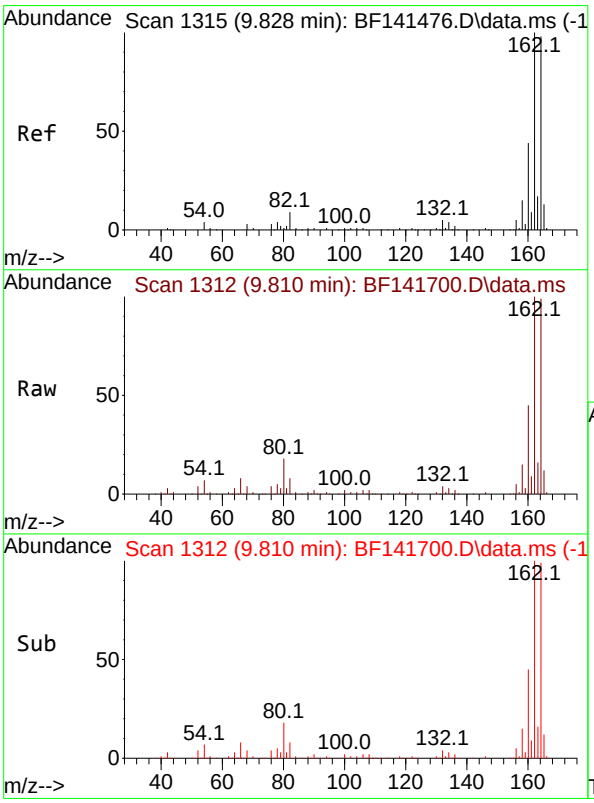
#23
Nitrobenzene-d5
Concen: 53.380 ng
RT: 7.340 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion: 82 Resp: 329559

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.8	52.2
54	57.6	48.2	72.4

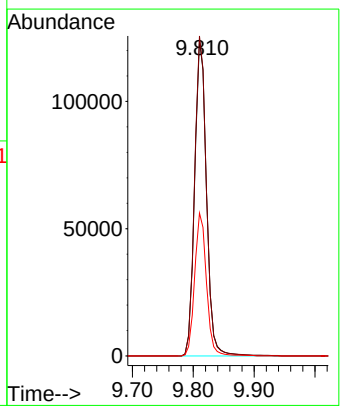


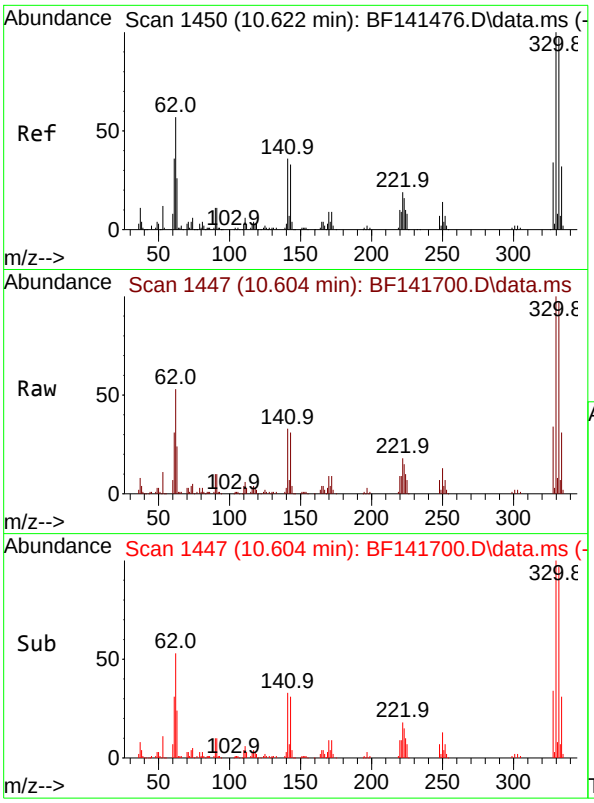


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:164 Resp: 167817

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.3	121.9
160	45.2	35.9	53.9



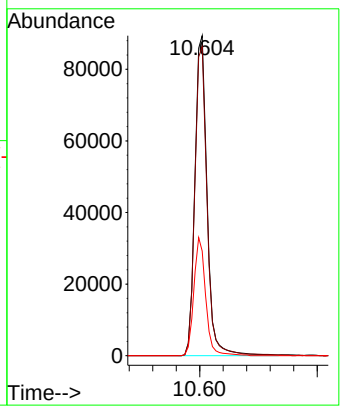


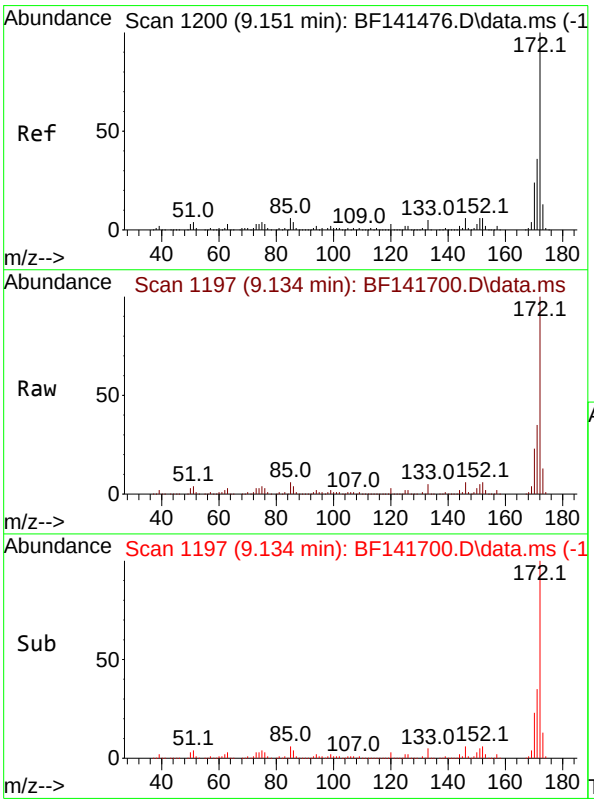
#42
2,4,6-Tribromophenol
Concen: 76.275 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion:330 Resp: 128585

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.5	117.7
141	35.8	31.0	46.4

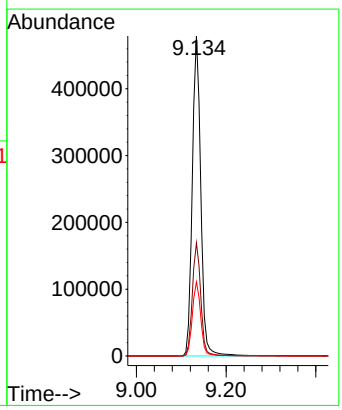


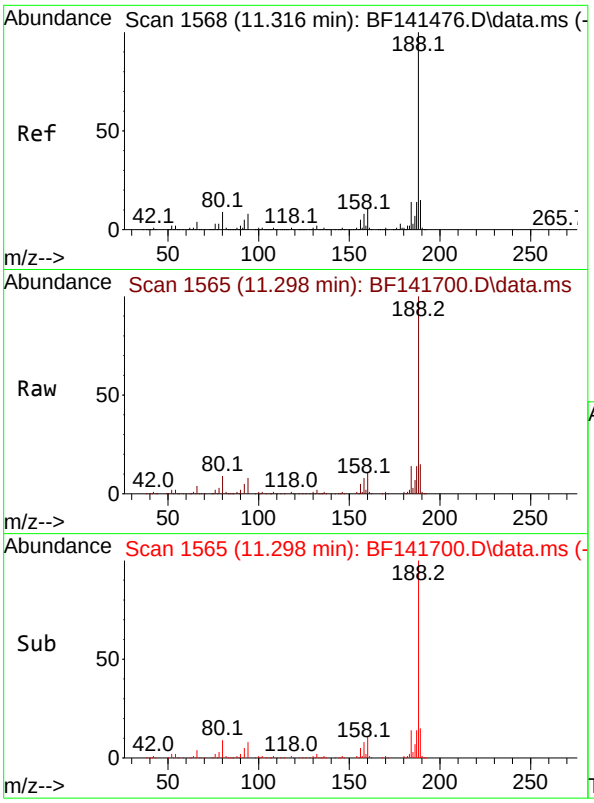


#45
2-Fluorobiphenyl
Concen: 57.741 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:172 Resp: 628950

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.1	18.9	28.3



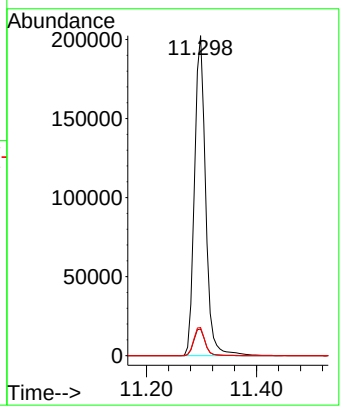


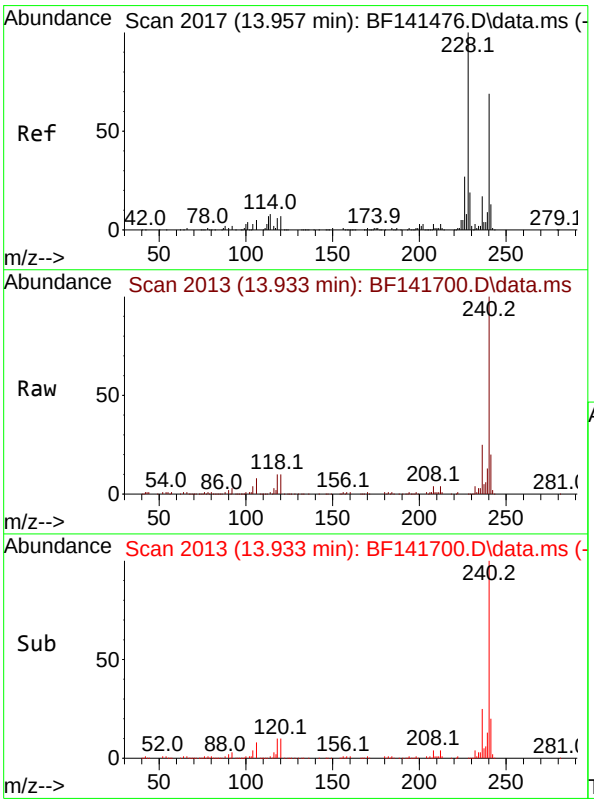
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion:188 Resp: 284309

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	8.8	7.3	10.9

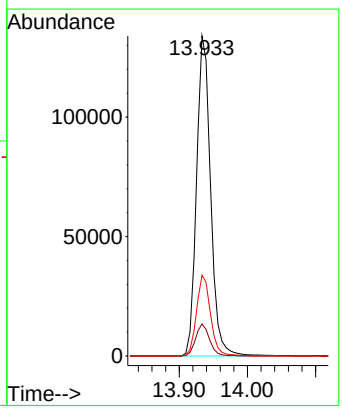


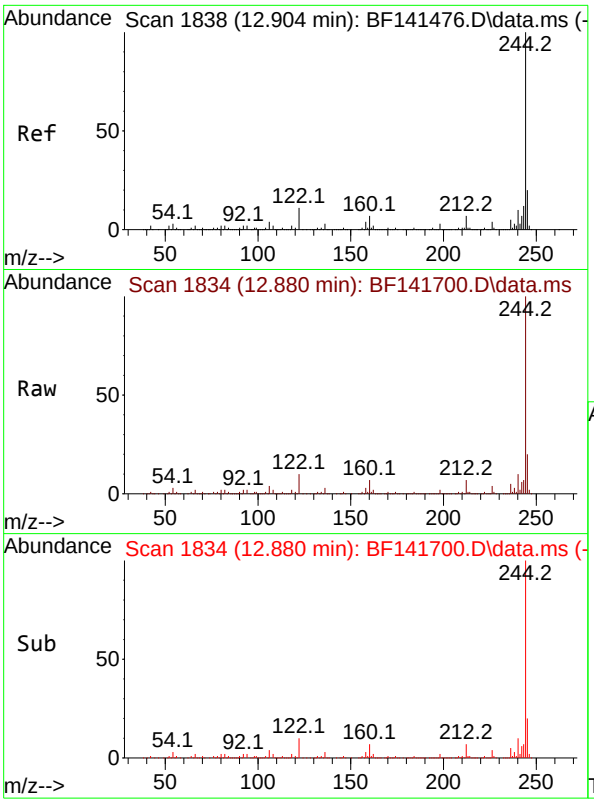


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:240 Resp: 192403

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	25.2	19.8	29.8



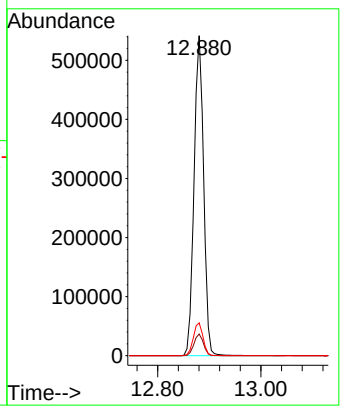


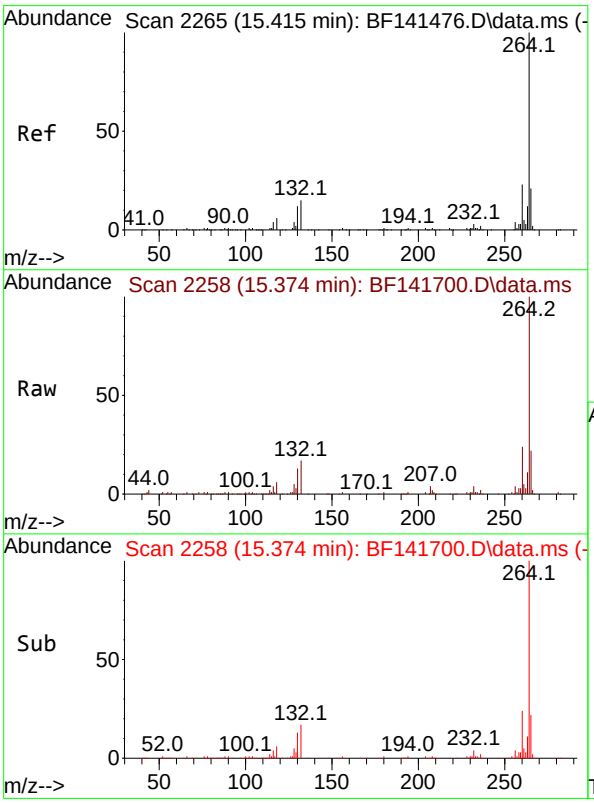
#79
Terphenyl-d14
Concen: 61.083 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion:244 Resp: 696166

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.2	8.4	12.6

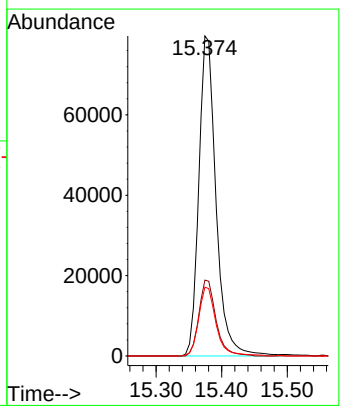




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.041 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:264 Resp: 145631

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.5	17.0	25.4



Sample Results: **BF141700.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141700.D
Acq On : 20 Feb 2025 13:36
Operator : RC/JU
Sample : Q1383-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141700.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.399	556	562	582	rBV	1047945	1489567	82.28%	11.950%
2	6.416	730	735	765	rBV	1084486	1550444	85.64%	12.439%
3	6.775	791	796	806	rBV	377997	492263	27.19%	3.949%
4	7.340	887	892	906	rBV	701726	975135	53.86%	7.823%
5	7.610	933	938	952	rBV	12900	35684	1.97%	0.286%
6	8.063	1009	1015	1041	rBV	443714	643112	35.52%	5.160%
7	9.134	1191	1197	1208	rBV	1394992	1805679	99.74%	14.486%
8	9.810	1307	1312	1328	rBV	521033	695553	38.42%	5.580%
9	10.528	1429	1434	1441	rBV	91361	124637	6.88%	1.000%
10	10.598	1441	1446	1464	rVV	735016	1035403	57.19%	8.307%
11	11.298	1559	1565	1585	rVB	494830	692120	38.23%	5.553%
12	11.828	1648	1655	1676	rBV2	83690	180722	9.98%	1.450%
13	12.616	1782	1789	1800	rBV5	12311	35127	1.94%	0.282%
14	12.880	1828	1834	1844	rBV	1415149	1810356	100.00%	14.524%
15	13.933	2006	2013	2023	rVB	360209	519564	28.70%	4.168%
16	15.374	2252	2258	2272	rVB	211676	379232	20.95%	3.042%

Sum of corrected areas: 12464598

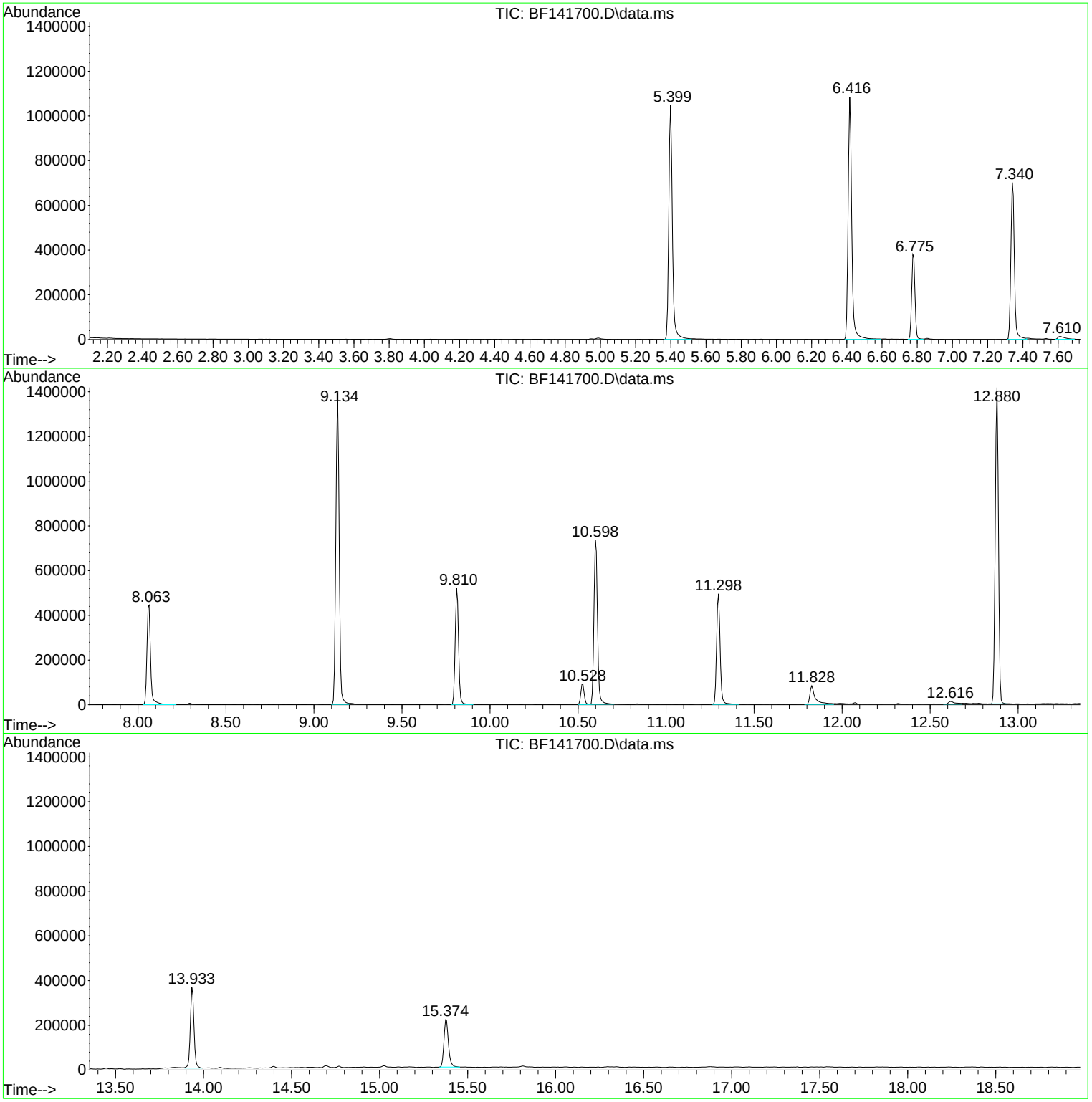
Sample Results: **BF141700.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141700.D
Acq On : 20 Feb 2025 13:36
Operator : RC/JU
Sample : Q1383-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Sample Results: **BF141700.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141700.D
Acq On : 20 Feb 2025 13:36
Operator : RC/JU
Sample : Q1383-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141700.D
Acq On : 20 Feb 2025 13:36
Operator : RC/JU
Sample : Q1383-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141701.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-17-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141701.D	1	02/19/25 10:05	02/20/25 14:06	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.19	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.19	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.095	0.14	0.19	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.089	0.14	0.19	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.19	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.092	0.14	0.19	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.19	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.19	mg/Kg
129-00-0	Pyrene	0.14	U	0.091	0.14	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.19	mg/Kg
218-01-9	Chrysene	0.14	U	0.087	0.14	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.089	0.14	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.089	0.14	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.088	0.14	0.19	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	52.6		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.1		44 - 115		56%	SPK: 100
1718-51-0	Terphenyl-d14	59.5		54 - 127		60%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83500	6.781				
1146-65-2	Naphthalene-d8	328000	8.063				
15067-26-2	Acenaphthene-d10	174000	9.81				
1517-22-2	Phenanthrene-d10	295000	11.298				
1719-03-5	Chrysene-d12	196000	13.933				
1520-96-3	Perylene-d12	159000	15.38				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **BF141701.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-17-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141701.D	1	02/19/25 10:05	02/20/25 14:06	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF022025\
Data File : BF141701.D
Acq On : 20 Feb 2025 14:06
Operator : RC/JU
Sample : Q1383-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Quant Time: Feb 20 14:38:05 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

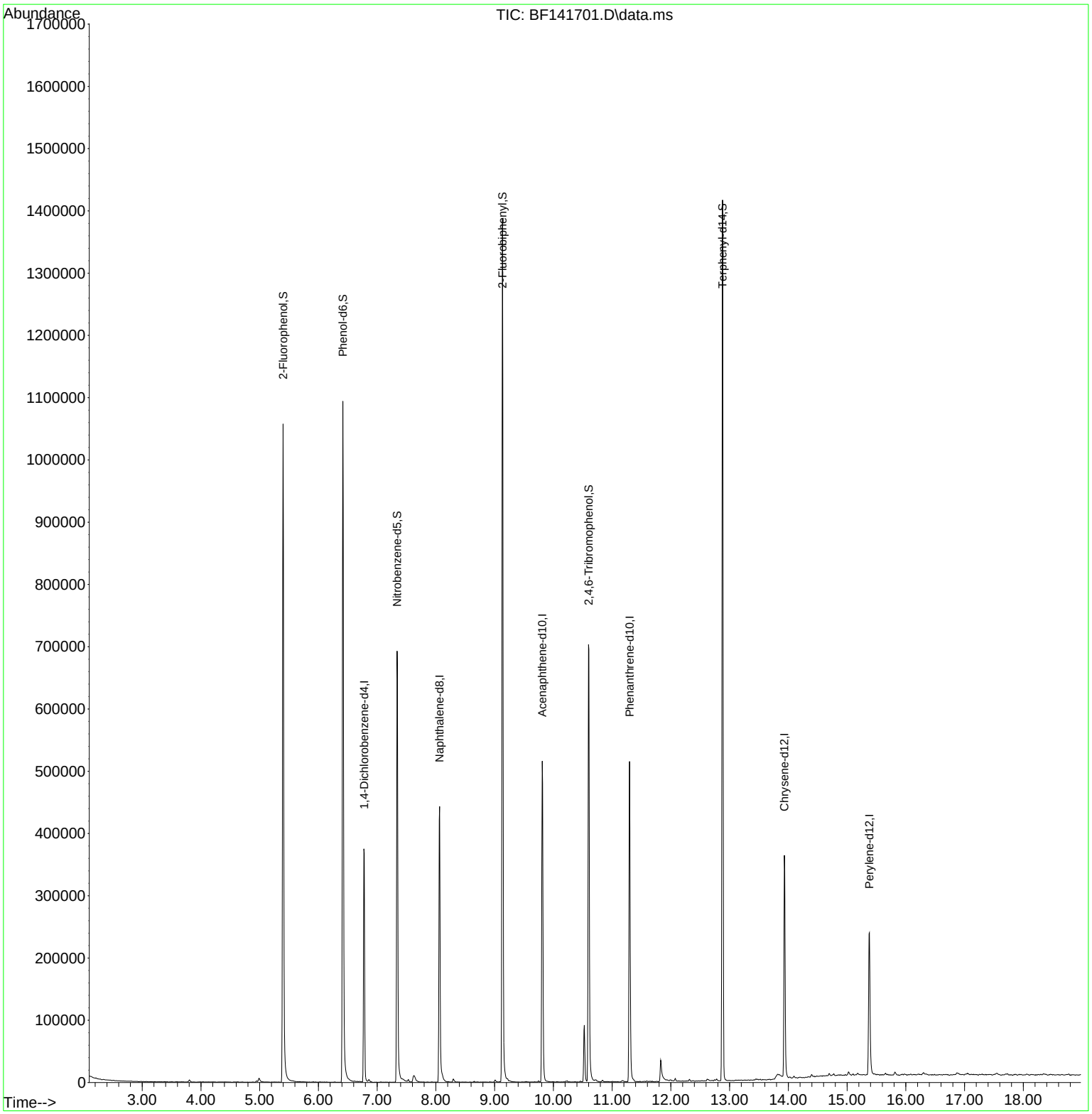
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	83503	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	327906	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	173956	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	294630	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	196352	20.000	ng	-0.03
86) Perylene-d12	15.380	264	158833	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	418797	78.628	ng	-0.01
7) Phenol-d6	6.416	99	517173	76.823	ng	-0.02
23) Nitrobenzene-d5	7.339	82	330676	52.599	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	127702	73.078	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	632883	56.051	ng	-0.02
79) Terphenyl-d14	12.880	244	692499	59.539	ng	-0.02
Target Compounds						Qvalue

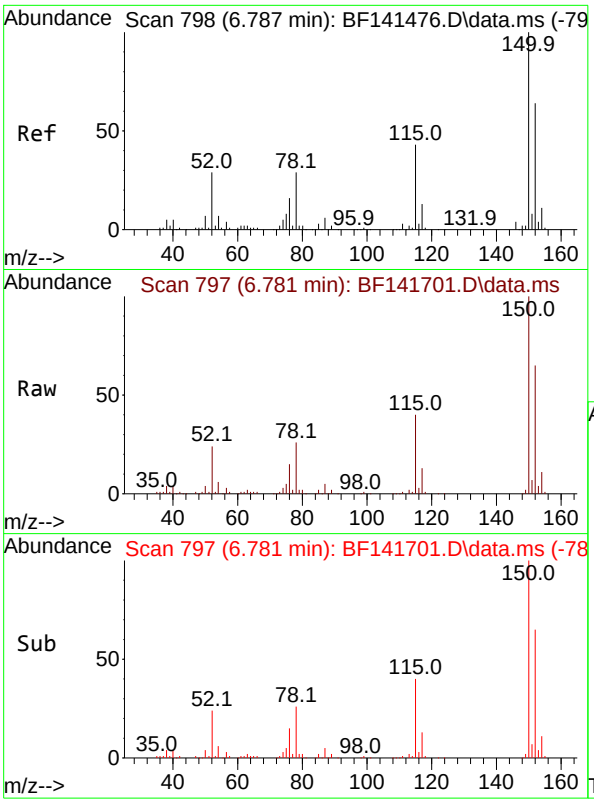
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141701.D
Acq On : 20 Feb 2025 14:06
Operator : RC/JU
Sample : Q1383-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Quant Time: Feb 20 14:38:05 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



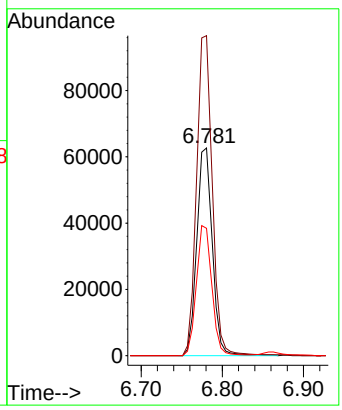


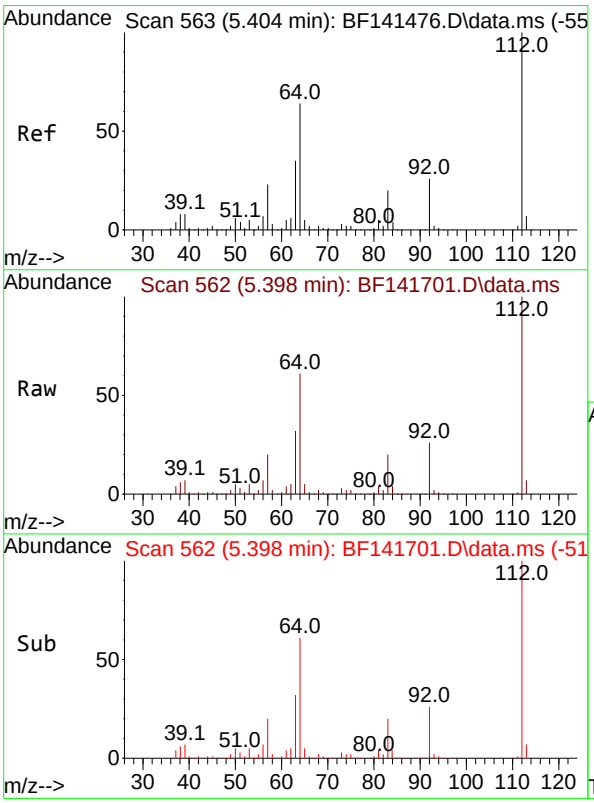
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion:152 Resp: 83503

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.0	187.4
115	61.3	53.6	80.4

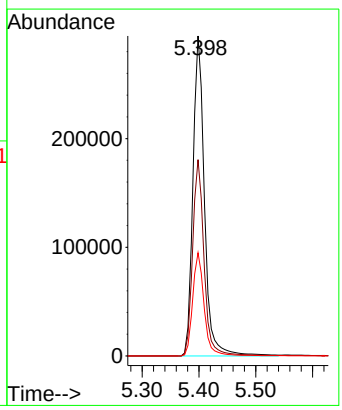


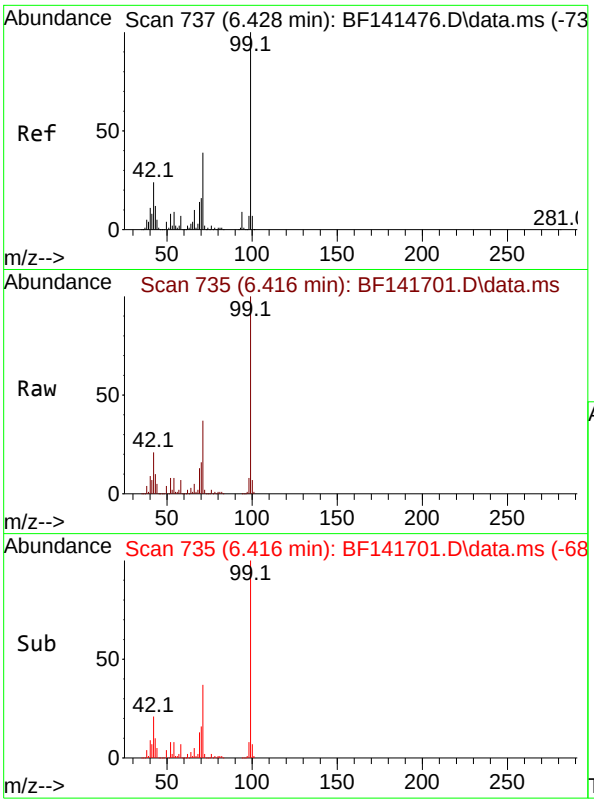


#5
2-Fluorophenol
Concen: 78.628 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:112 Resp: 418797

Ion	Ratio	Lower	Upper
112	100		
64	61.4	51.1	76.7
63	32.2	28.4	42.6



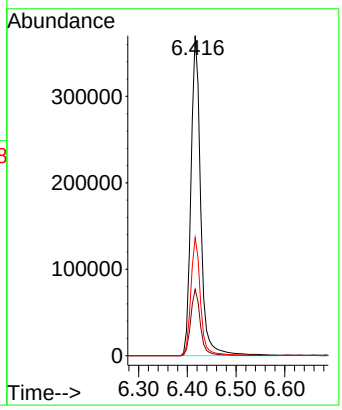


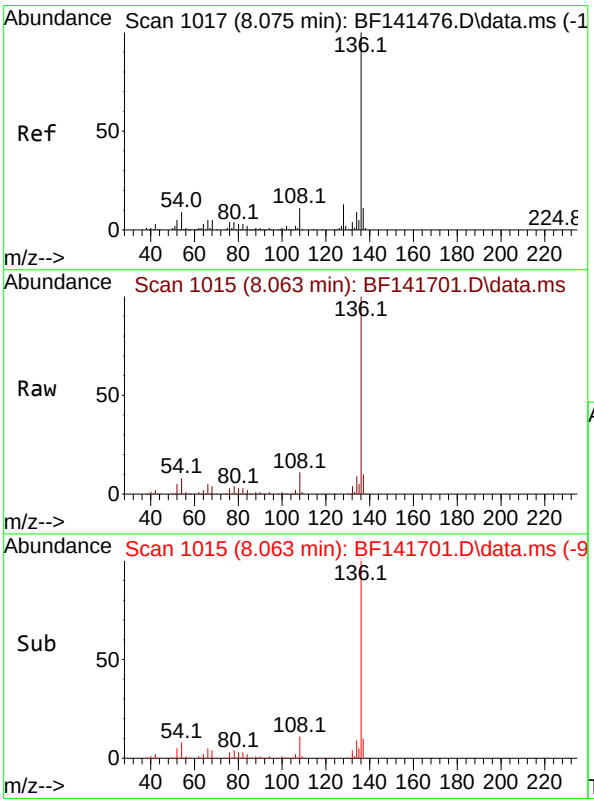
#7
Phenol-d6
Concen: 76.823 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion: 99 Resp: 517173

Ion	Ratio	Lower	Upper
99	100		
42	20.8	19.1	28.7
71	36.9	31.1	46.7

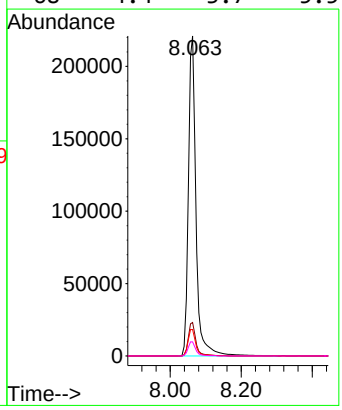


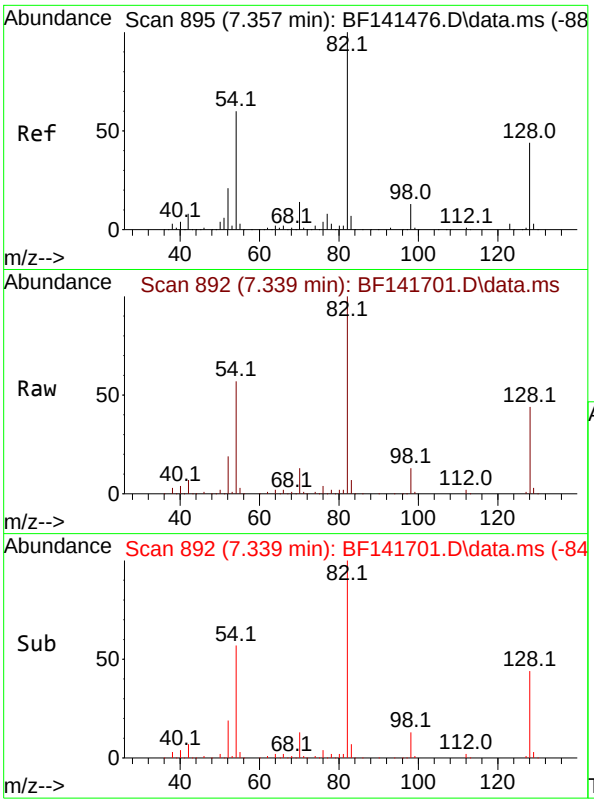


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:136 Resp: 327906

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.2	7.2	10.8
68	4.4	3.7	5.5



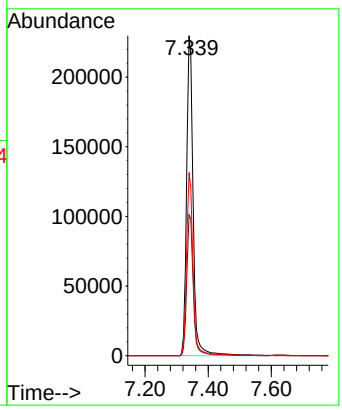


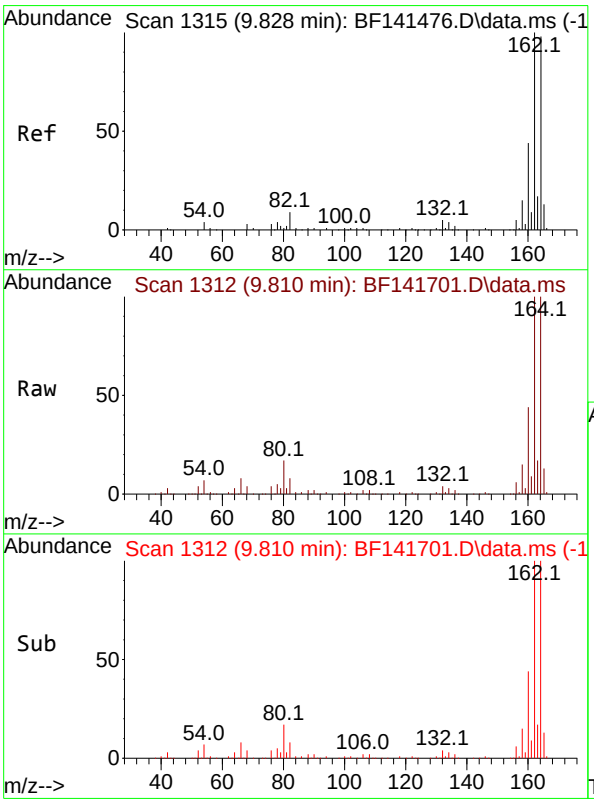
#23
Nitrobenzene-d5
Concen: 52.599 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion: 82 Resp: 330676

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	57.2	48.2	72.4

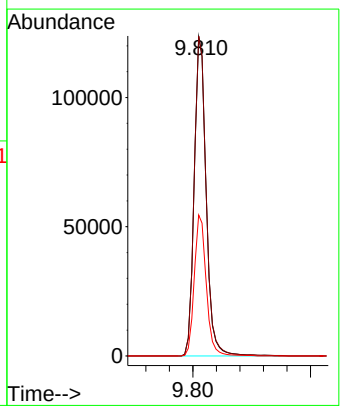


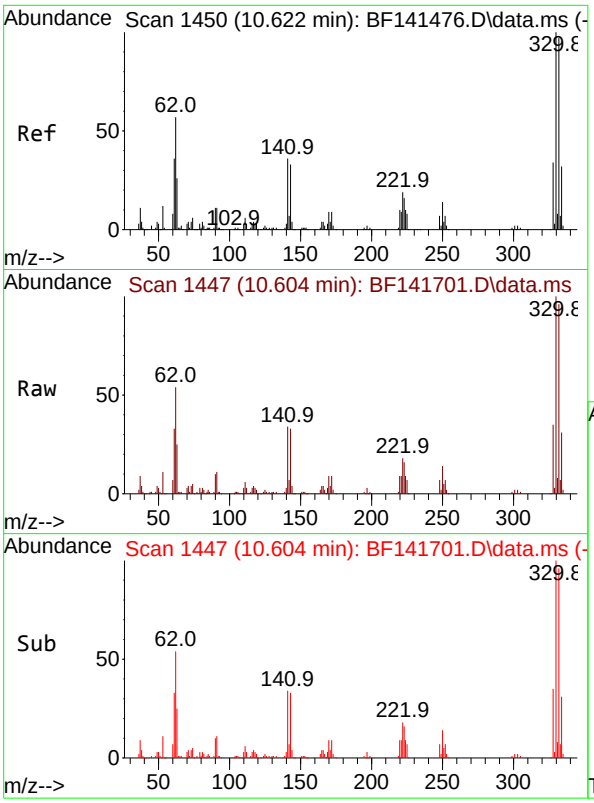


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:164 Resp: 173956

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.3	121.9
160	44.2	35.9	53.9



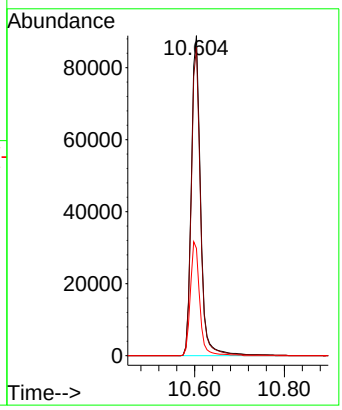


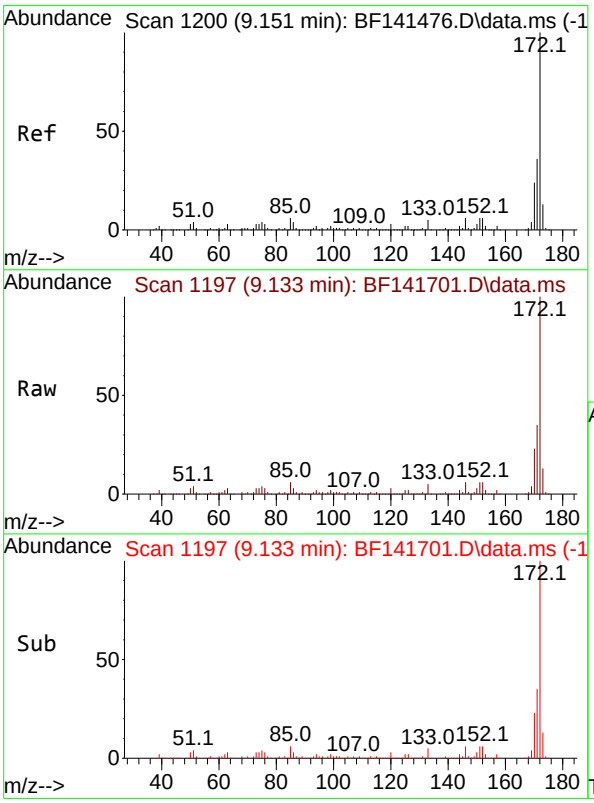
#42
2,4,6-Tribromophenol
Concen: 73.078 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion:330 Resp: 127702

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.5	117.7
141	35.8	31.0	46.4

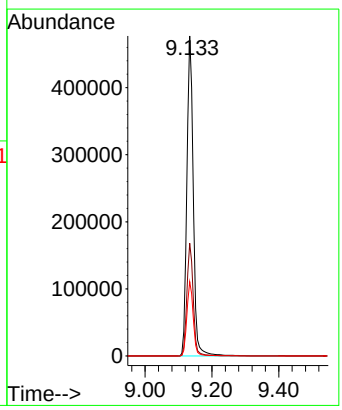


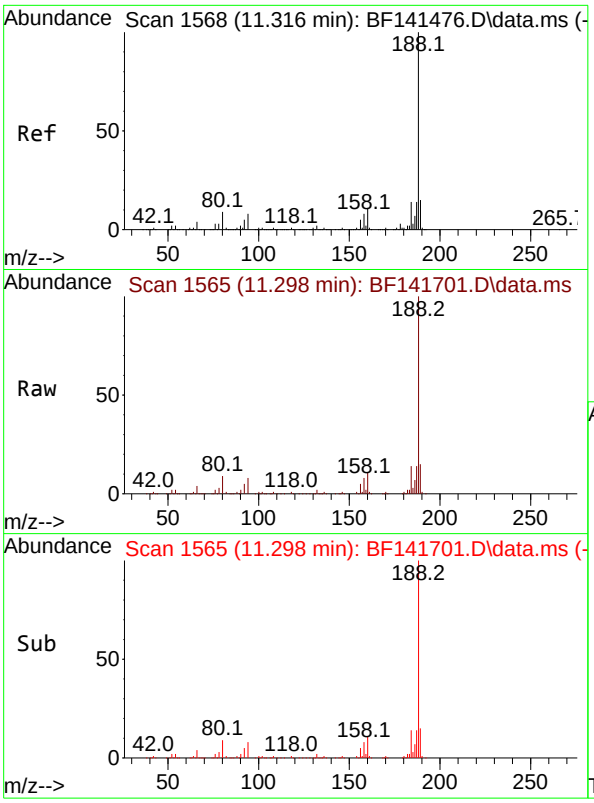


#45
2-Fluorobiphenyl
Concen: 56.051 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:172 Resp: 632883

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.2	18.9	28.3



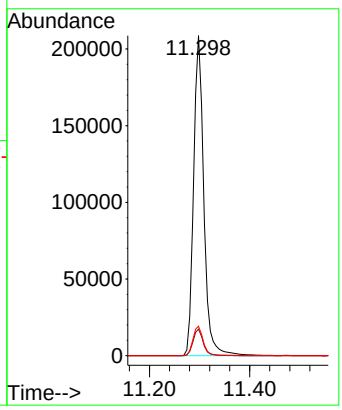


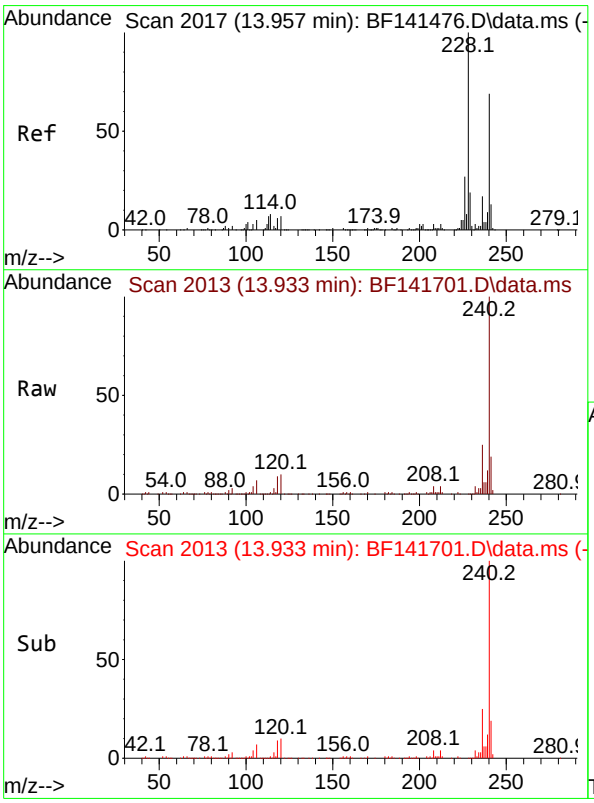
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion:188 Resp: 294630

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	7.3	10.9

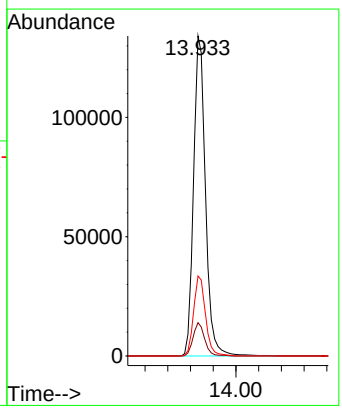


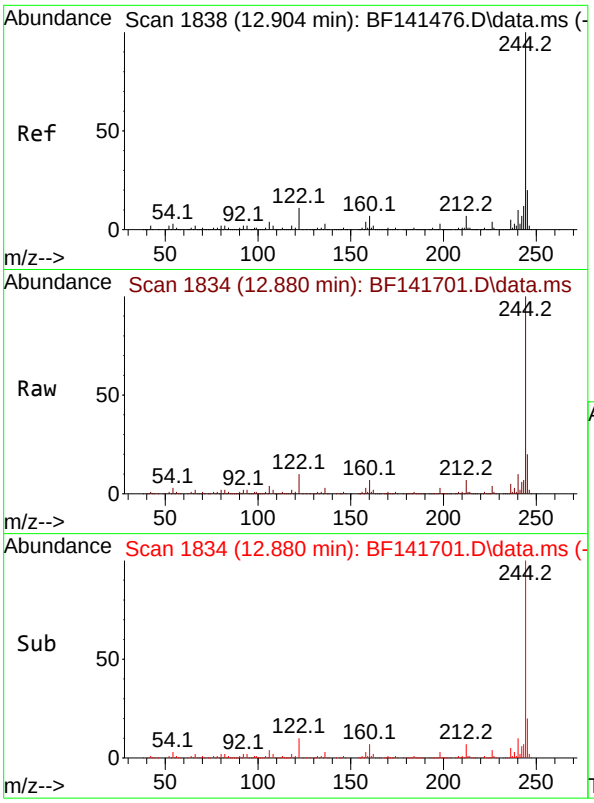


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:240 Resp: 196352

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.0	12.0
236	25.0	19.8	29.8



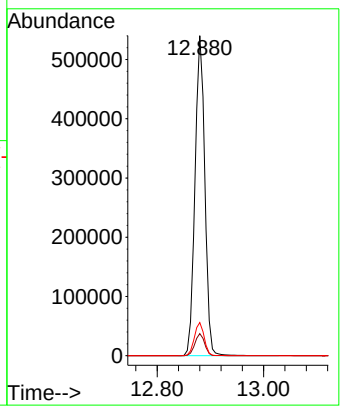


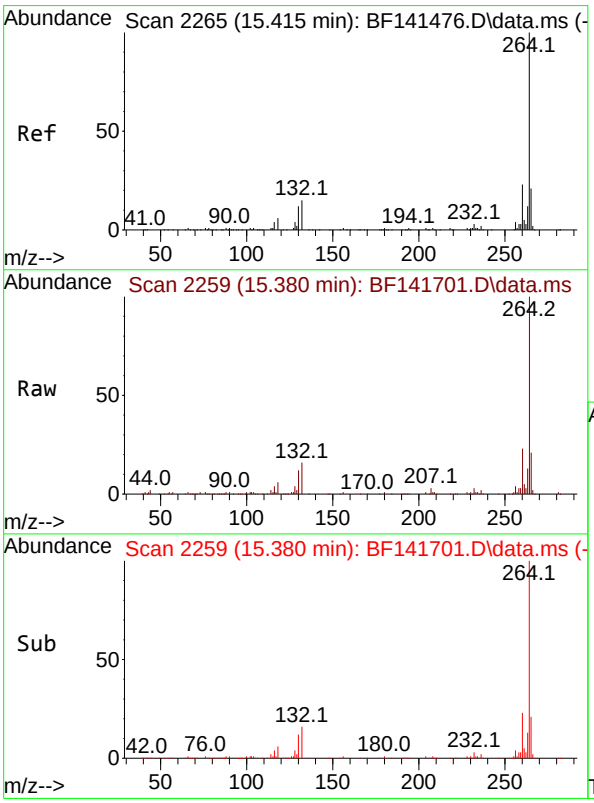
#79
Terphenyl-d14
Concen: 59.539 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion:244 Resp: 692499

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.3	8.4	12.6

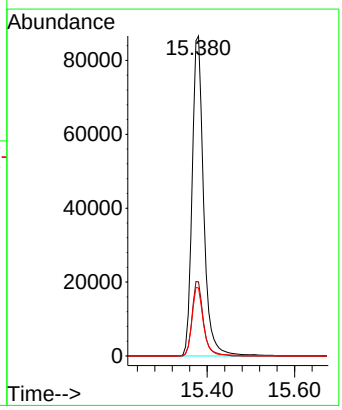




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:264 Resp: 158833

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.3	17.0	25.4



Sample Results: **BF141701.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141701.D
Acq On : 20 Feb 2025 14:06
Operator : RC/JU
Sample : Q1383-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141701.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.398	557	562	587	rBV	1057050	1491178	82.67%	12.035%
2	6.416	730	735	761	rBV	1093966	1543536	85.57%	12.457%
3	6.775	791	796	806	rBV	374278	494220	27.40%	3.989%
4	7.339	887	892	907	rBV	692412	974262	54.01%	7.863%
5	7.628	935	941	958	rBV2	10297	33365	1.85%	0.269%
6	8.063	1009	1015	1038	rBV	442813	651378	36.11%	5.257%
7	9.133	1192	1197	1209	rBV	1386271	1803737	100.00%	14.558%
8	9.810	1307	1312	1333	rBV	515421	716234	39.71%	5.781%
9	10.527	1428	1434	1441	rBV	90876	123117	6.83%	0.994%
10	10.598	1441	1446	1463	rVV	701138	1019754	56.54%	8.230%
11	11.298	1559	1565	1584	rBV	514342	716421	39.72%	5.782%
12	11.827	1650	1655	1671	rBV2	34403	79590	4.41%	0.642%
13	12.880	1828	1834	1849	rBV	1414553	1801935	99.90%	14.543%
14	13.821	1984	1994	1996	rBV4	7688	21230	1.18%	0.171%
15	13.933	2008	2013	2025	rVB	357073	513964	28.49%	4.148%
16	15.380	2253	2259	2272	rBV	227512	406496	22.54%	3.281%

Sum of corrected areas: 12390417

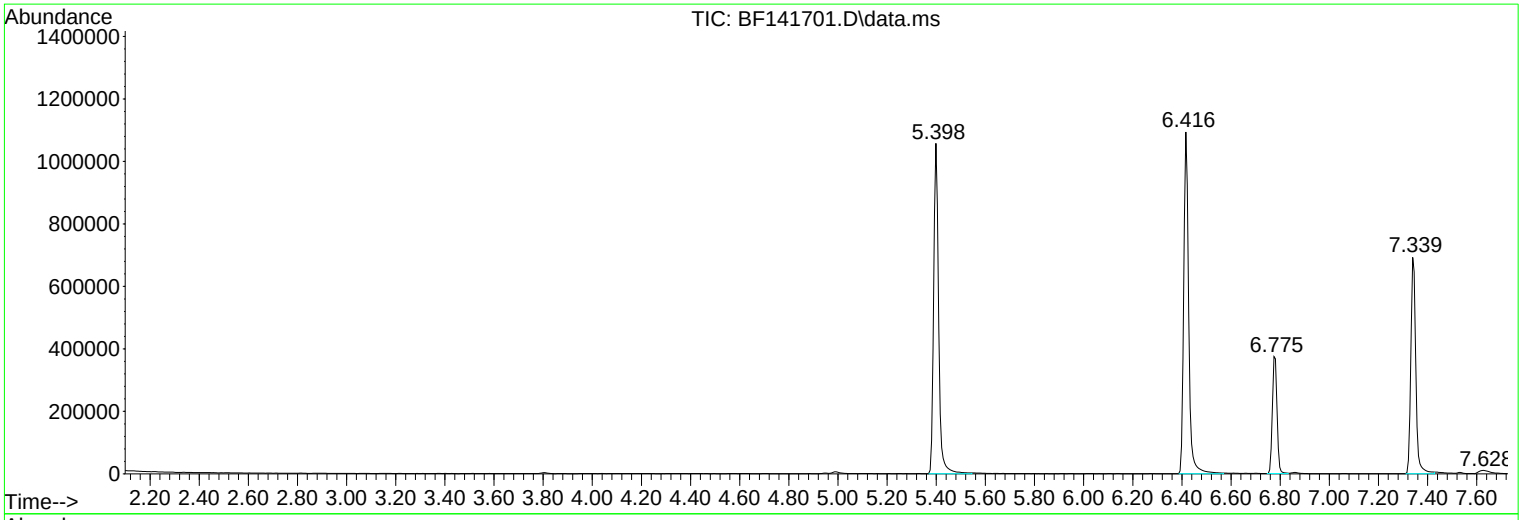
Sample Results: **BF141701.D**

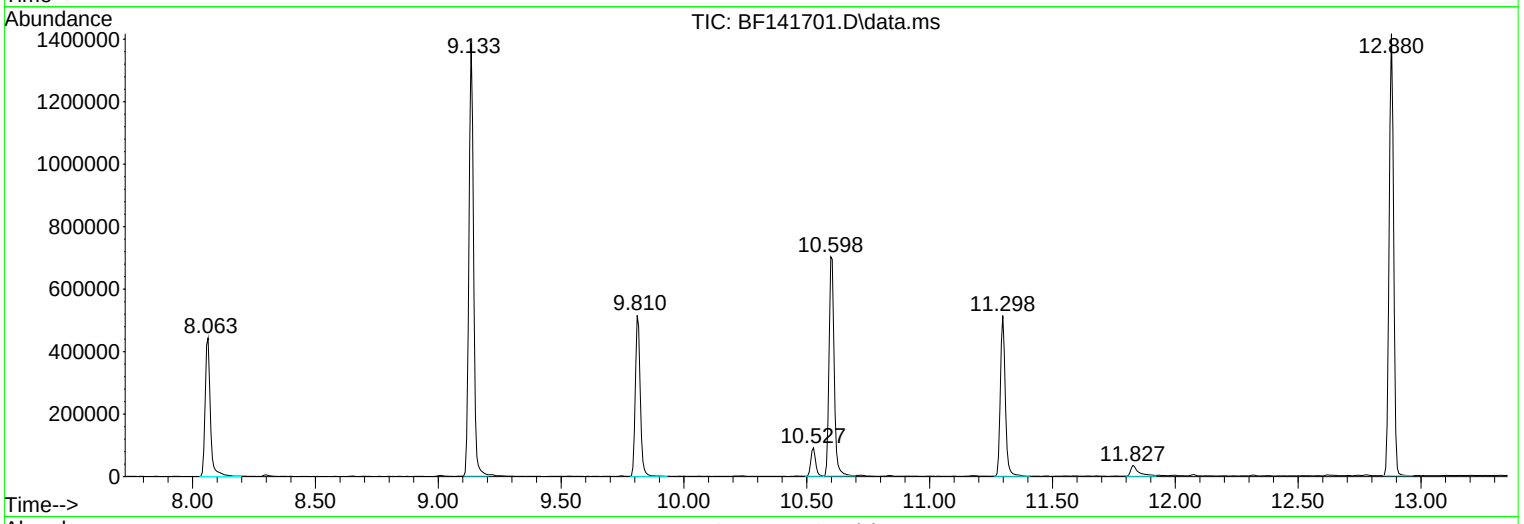
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141701.D
Acq On : 20 Feb 2025 14:06
Operator : RC/JU
Sample : Q1383-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

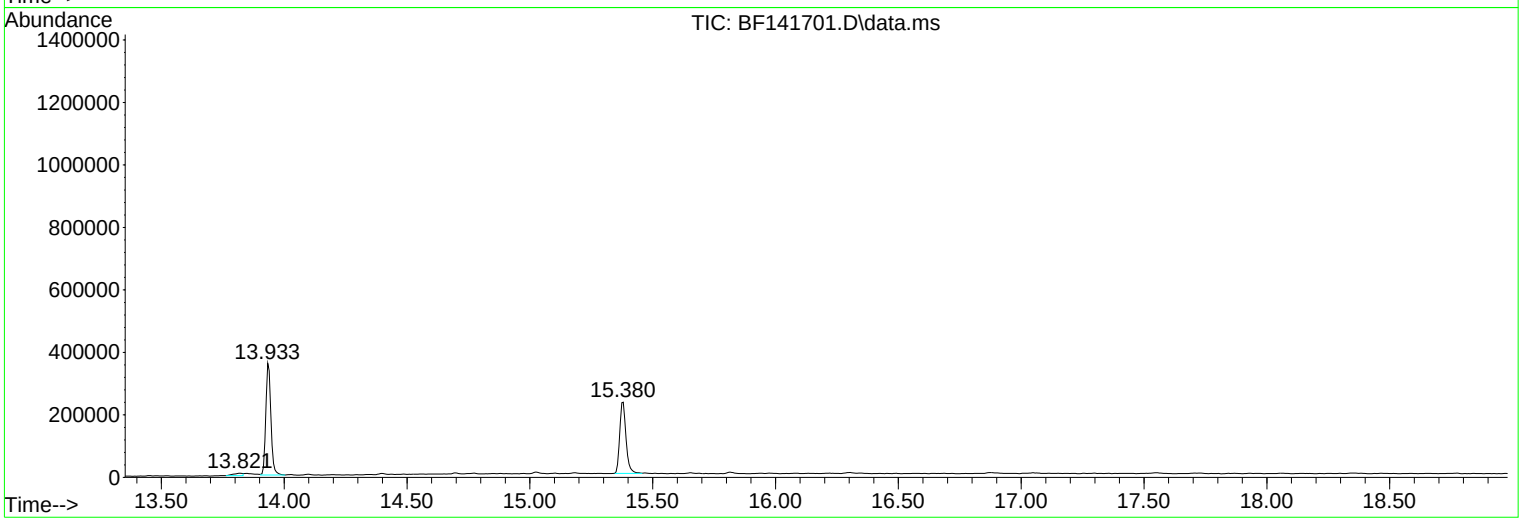
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141701.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141701.D
Acq On : 20 Feb 2025 14:06
Operator : RC/JU
Sample : Q1383-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141701.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141701.D
Acq On : 20 Feb 2025 14:06
Operator : RC/JU
Sample : Q1383-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141702.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-18-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141702.D	1	02/19/25 10:05	02/20/25 14:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	60.3		37 - 122		60%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.6		44 - 115		64%	SPK: 100
1718-51-0	Terphenyl-d14	69.1		54 - 127		69%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84700	6.775				
1146-65-2	Naphthalene-d8	329000	8.063				
15067-26-2	Acenaphthene-d10	174000	9.81				
1517-22-2	Phenanthrene-d10	301000	11.298				
1719-03-5	Chrysene-d12	190000	13.933				
1520-96-3	Perylene-d12	160000	15.374				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141702.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-18-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141702.D	1	02/19/25 10:05	02/20/25 14:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF022025\
Data File : BF141702.D
Acq On : 20 Feb 2025 14:36
Operator : RC/JU
Sample : Q1383-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Quant Time: Feb 20 14:56:41 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

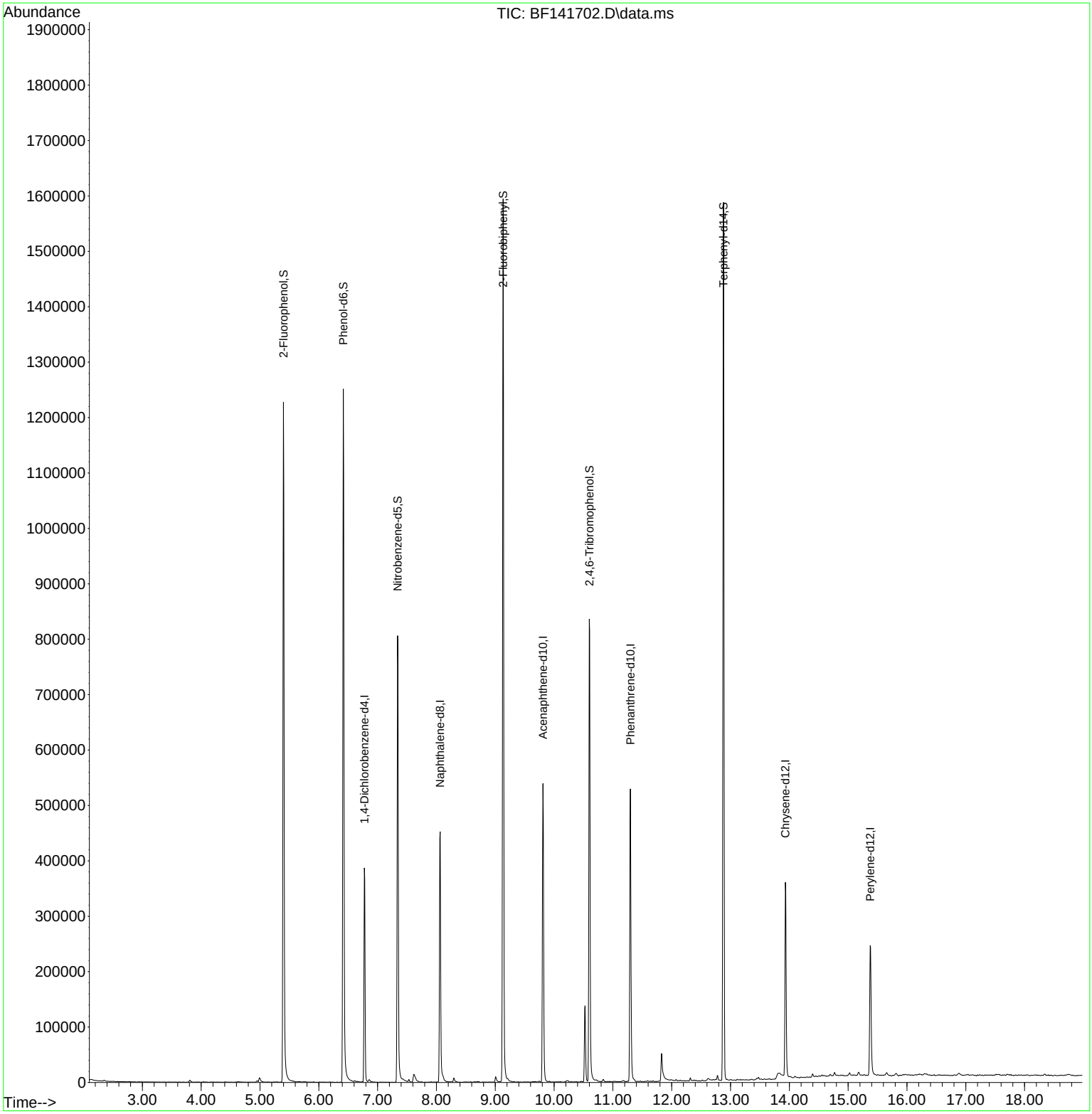
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	84665	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	329153	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	174135	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	300993	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	190107	20.000	ng	-0.03
86) Perylene-d12	15.374	264	159816	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	479827	88.850	ng	-0.01
7) Phenol-d6	6.416	99	599553	87.837	ng	-0.02
23) Nitrobenzene-d5	7.340	82	380295	60.262	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	149623	85.535	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	718368	63.557	ng	-0.02
79) Terphenyl-d14	12.880	244	778501	69.132	ng	-0.02
Target Compounds						Qvalue

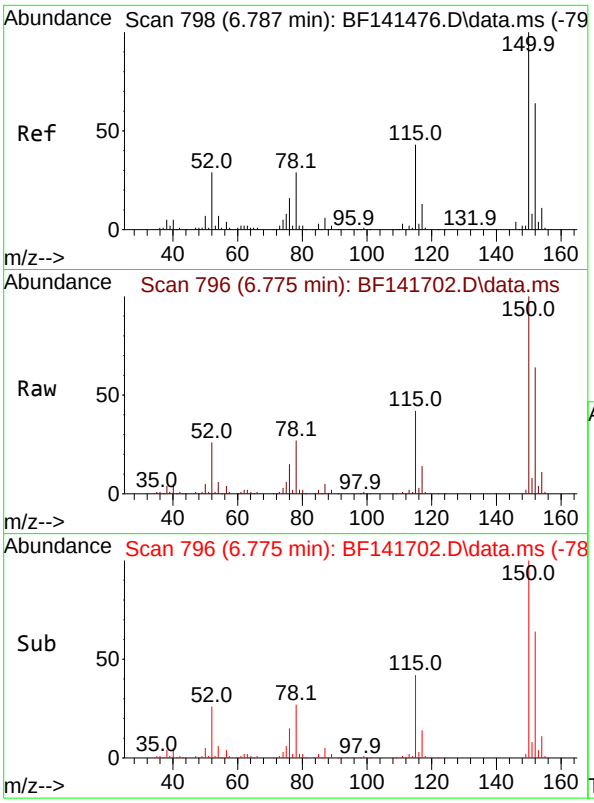
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141702.D
Acq On : 20 Feb 2025 14:36
Operator : RC/JU
Sample : Q1383-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Quant Time: Feb 20 14:56:41 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



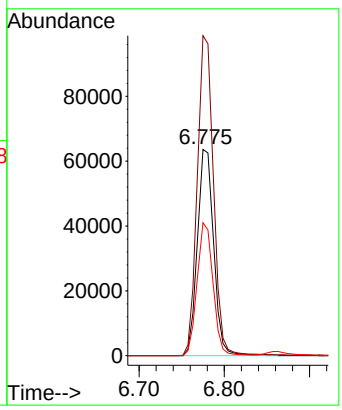


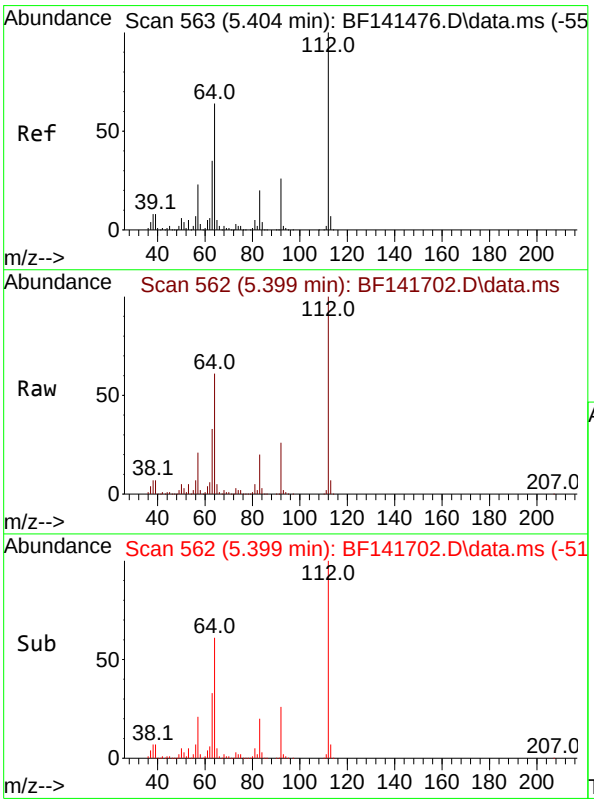
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion:152 Resp: 84665

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.0	187.4
115	64.4	53.6	80.4

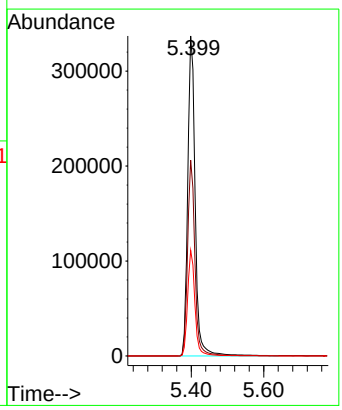


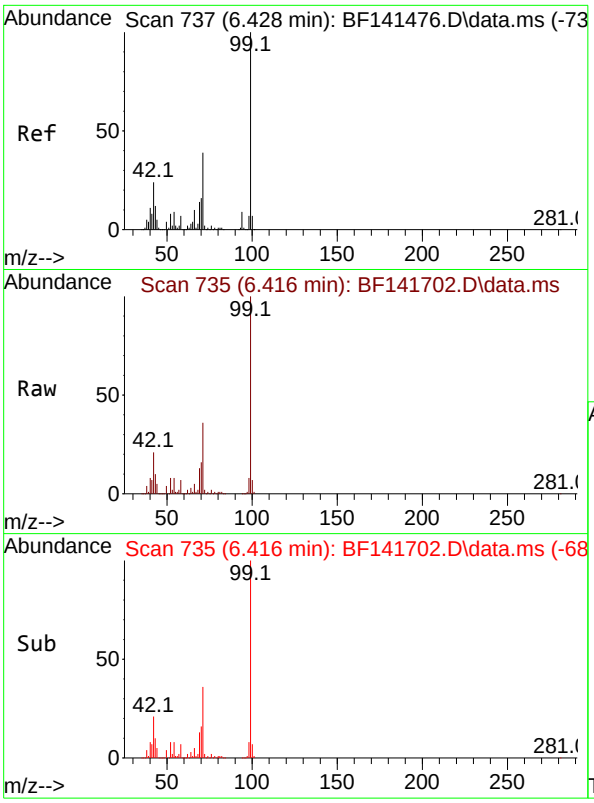


#5
2-Fluorophenol
Concen: 88.850 ng
RT: 5.399 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:112 Resp: 479827

Ion	Ratio	Lower	Upper
112	100		
64	61.2	51.1	76.7
63	33.0	28.4	42.6



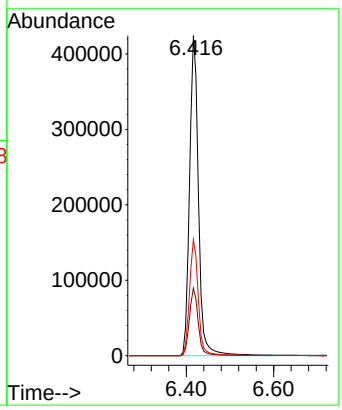


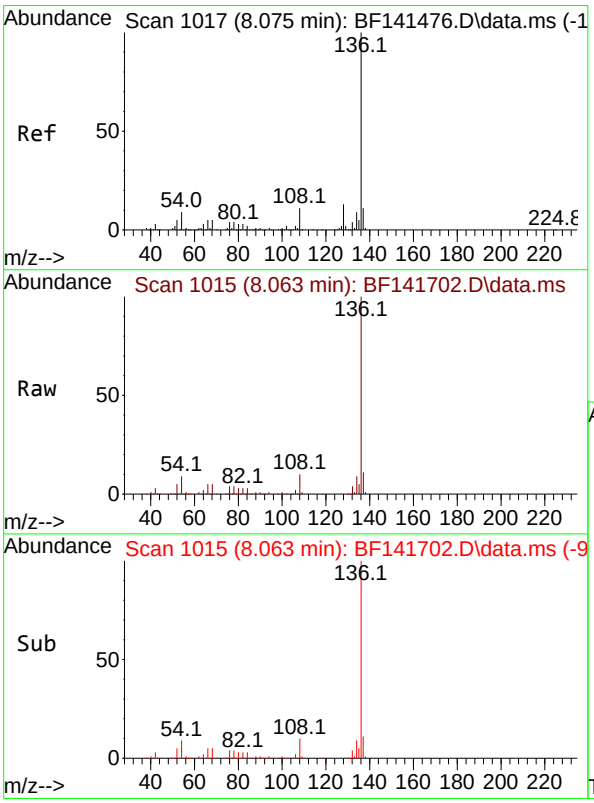
#7
Phenol-d6
Concen: 87.837 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion: 99 Resp: 599553

Ion	Ratio	Lower	Upper
99	100		
42	21.1	19.1	28.7
71	36.3	31.1	46.7

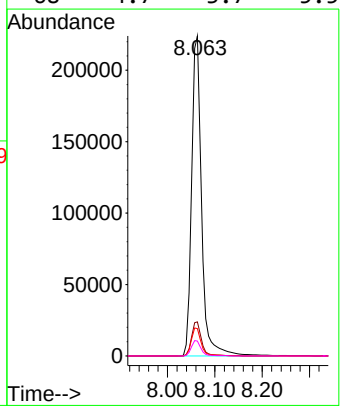


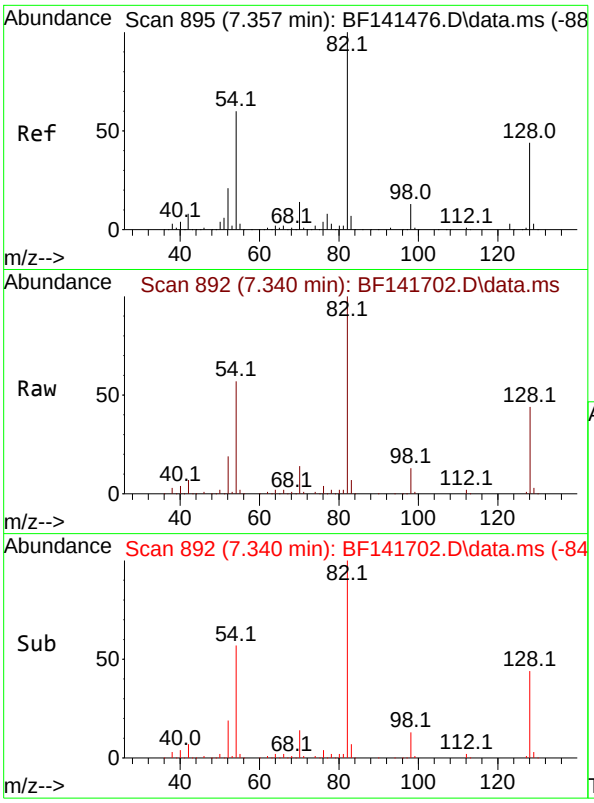


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:136 Resp: 329153

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.6	7.2	10.8
68	4.7	3.7	5.5



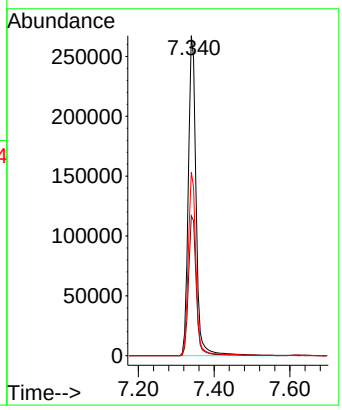


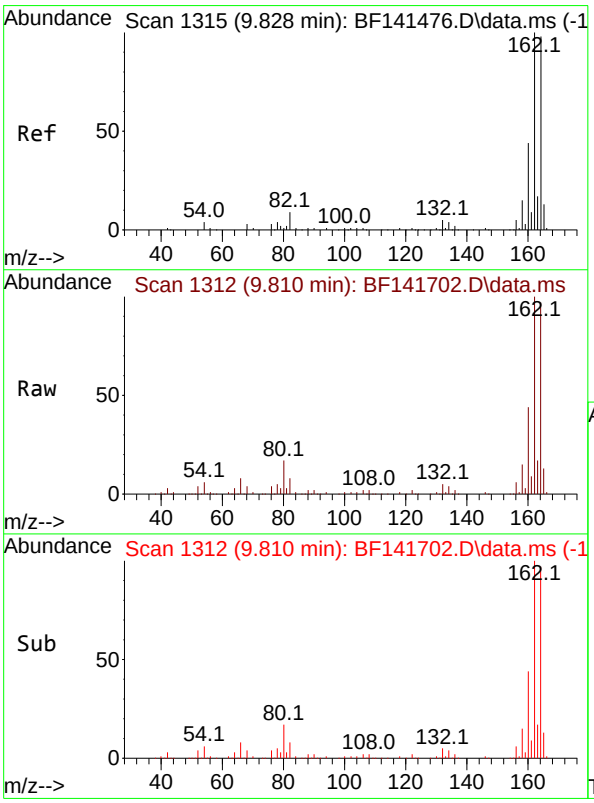
#23
Nitrobenzene-d5
Concen: 60.262 ng
RT: 7.340 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion: 82 Resp: 380295

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.8	52.2
54	57.4	48.2	72.4

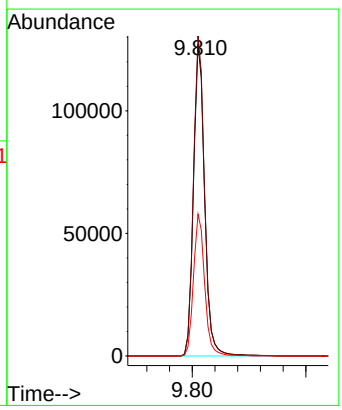


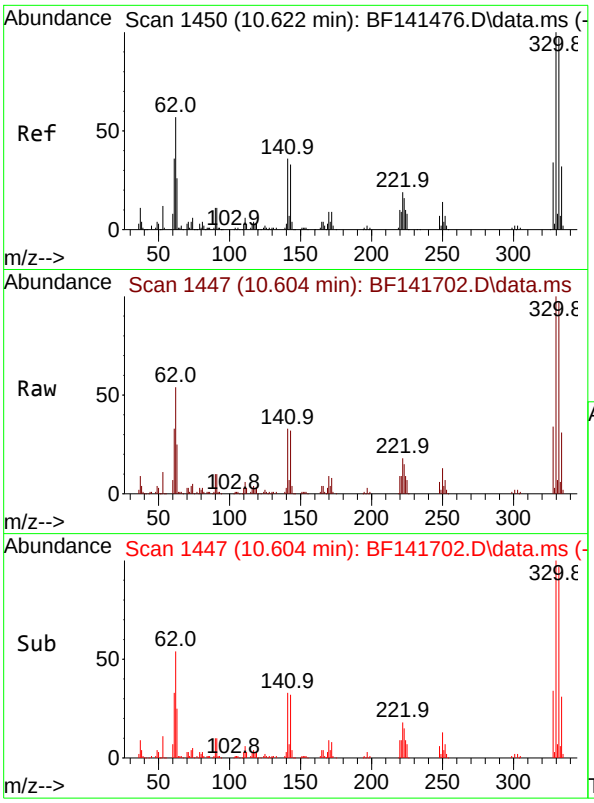


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:164 Resp: 174135

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.3	121.9
160	45.5	35.9	53.9



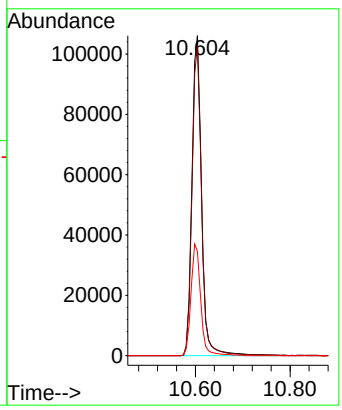


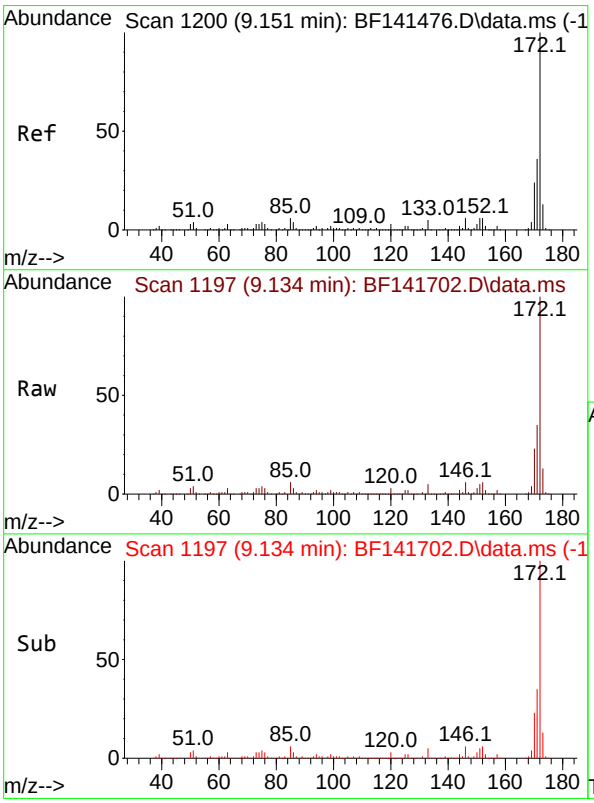
#42
2,4,6-Tribromophenol
Concen: 85.535 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion:330 Resp: 149623

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.5	117.7
141	35.2	31.0	46.4

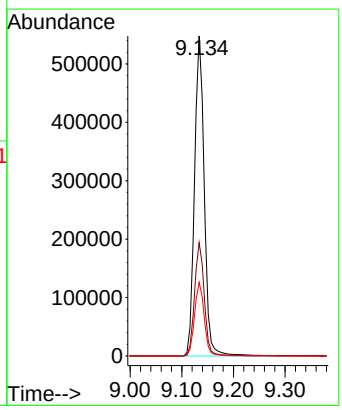


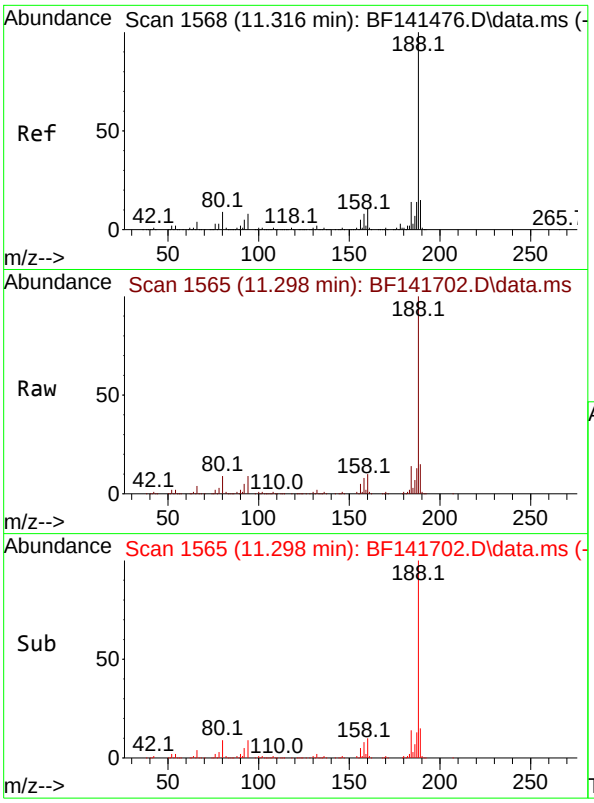


#45
2-Fluorobiphenyl
Concen: 63.557 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:172 Resp: 718368

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.0	18.9	28.3



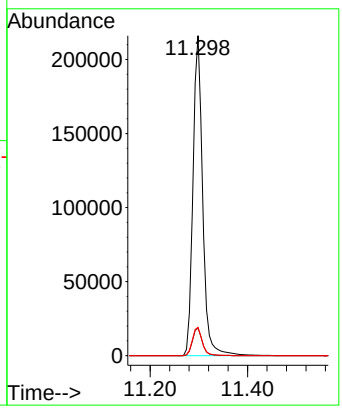


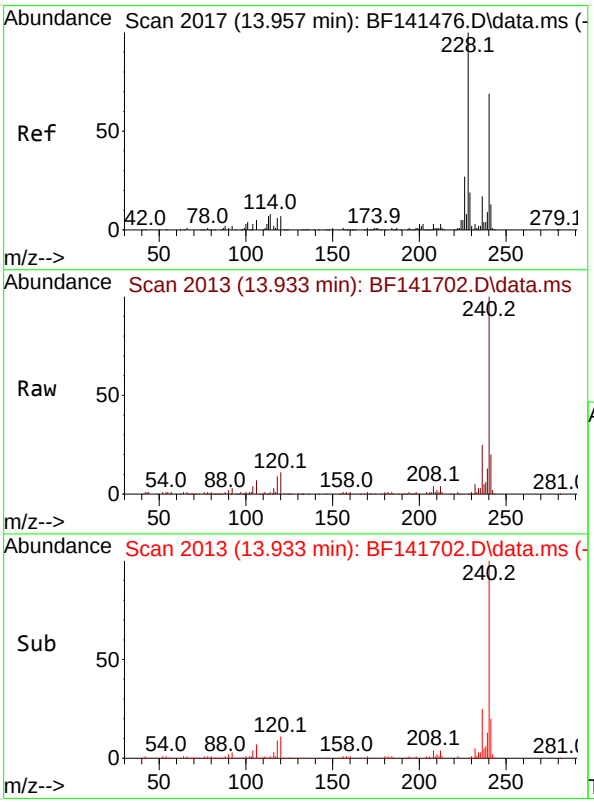
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion:188 Resp: 300993

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	8.8	7.3	10.9

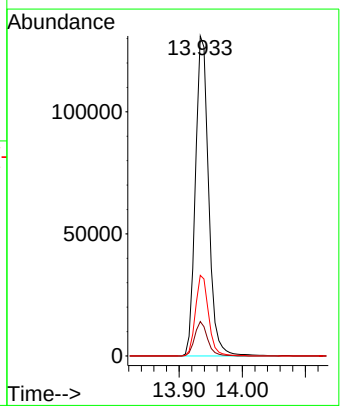


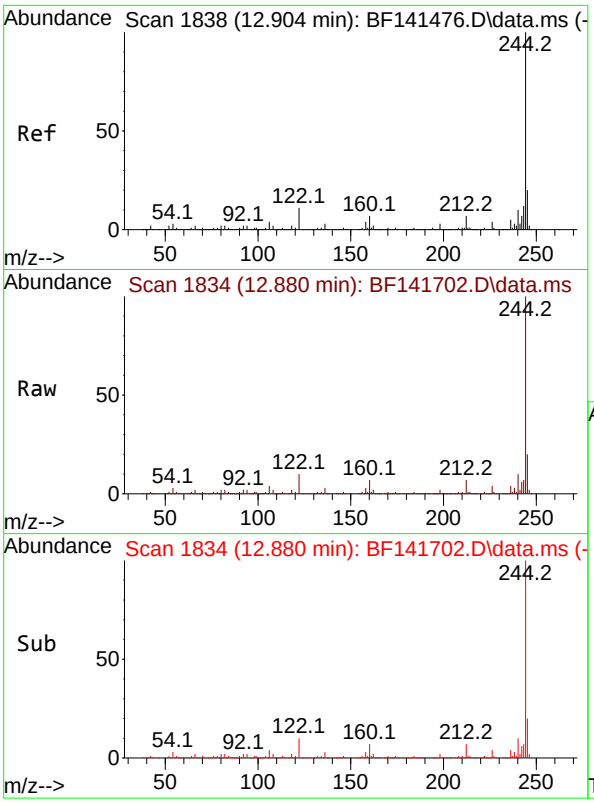


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:240 Resp: 190107

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.0	12.0
236	25.2	19.8	29.8



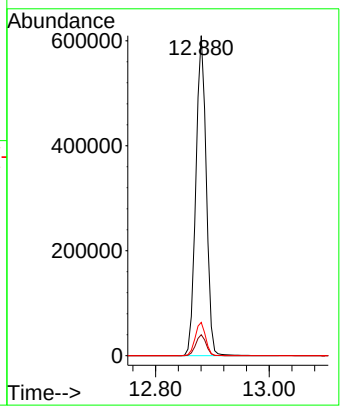


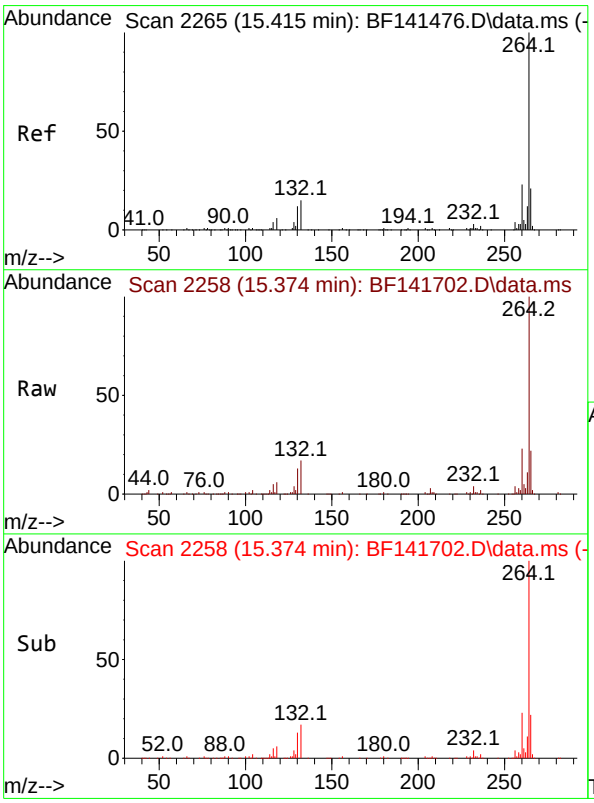
#79
Terphenyl-d14
Concen: 69.132 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Tgt Ion:244 Resp: 778501

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.4	8.4	12.6

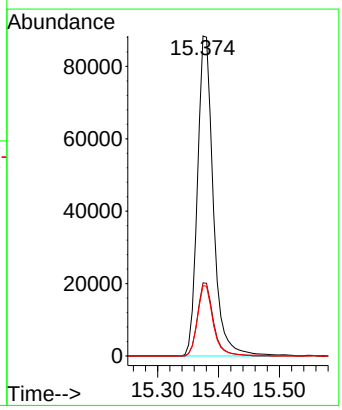




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.041 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:264 Resp: 159816

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.9	17.0	25.4



Sample Results: **BF141702.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141702.D
Acq On : 20 Feb 2025 14:36
Operator : RC/JU
Sample : Q1383-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141702.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.399	557	562	596	rBV	1227264	1722934	83.00%	12.428%
2	6.416	730	735	758	rBV	1251440	1786377	86.06%	12.886%
3	6.775	792	796	805	rBV	386258	498460	24.01%	3.596%
4	7.340	887	892	921	rBV	805773	1138381	54.84%	8.212%
5	7.616	931	939	955	rBV3	13837	41691	2.01%	0.301%
6	8.063	1009	1015	1034	rBV	451904	660153	31.80%	4.762%
7	9.134	1191	1197	1208	rBV	1592808	2075764	100.00%	14.973%
8	9.810	1307	1312	1327	rBV	539059	731301	35.23%	5.275%
9	10.528	1429	1434	1441	rBV	137339	185338	8.93%	1.337%
10	10.598	1441	1446	1463	rVV	834118	1189765	57.32%	8.582%
11	11.298	1559	1565	1581	rVB	528102	730763	35.20%	5.271%
12	11.828	1650	1655	1676	rBV2	50192	112982	5.44%	0.815%
13	12.880	1828	1834	1843	rBV	1584582	2017825	97.21%	14.555%
14	13.827	1984	1995	2003	rBV	10677	53287	2.57%	0.384%
15	13.933	2008	2013	2023	rVB	351201	502442	24.21%	3.624%
16	15.374	2252	2258	2270	rBV	234068	415684	20.03%	2.998%

Sum of corrected areas: 13863147

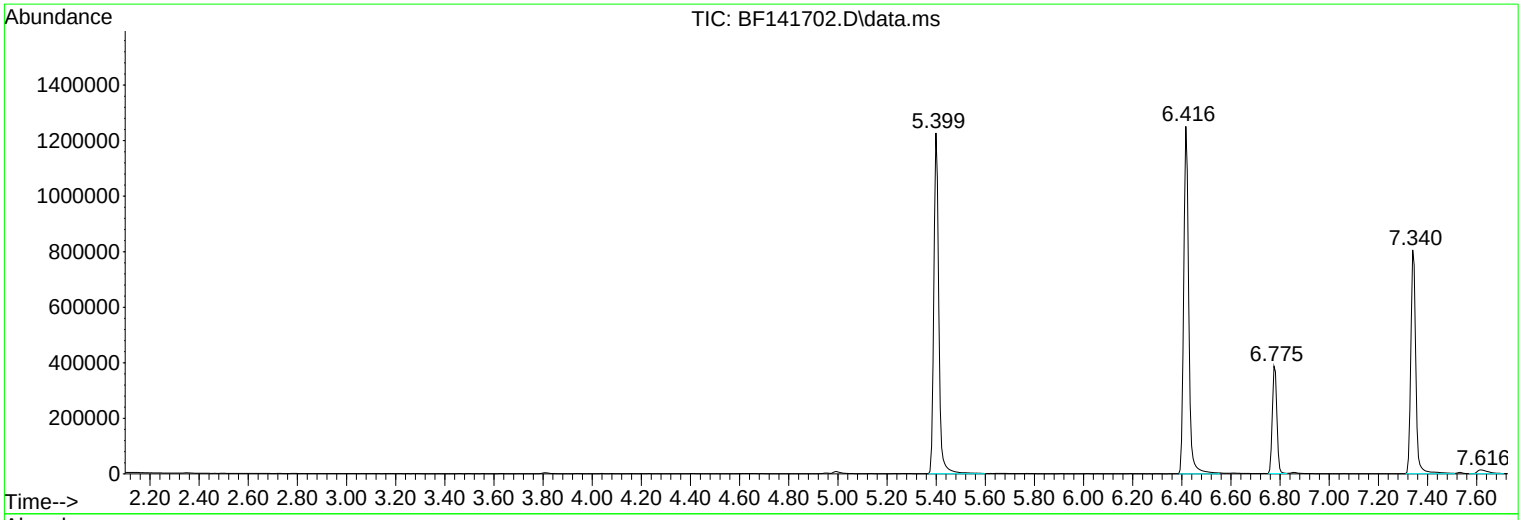
Sample Results: **BF141702.D**

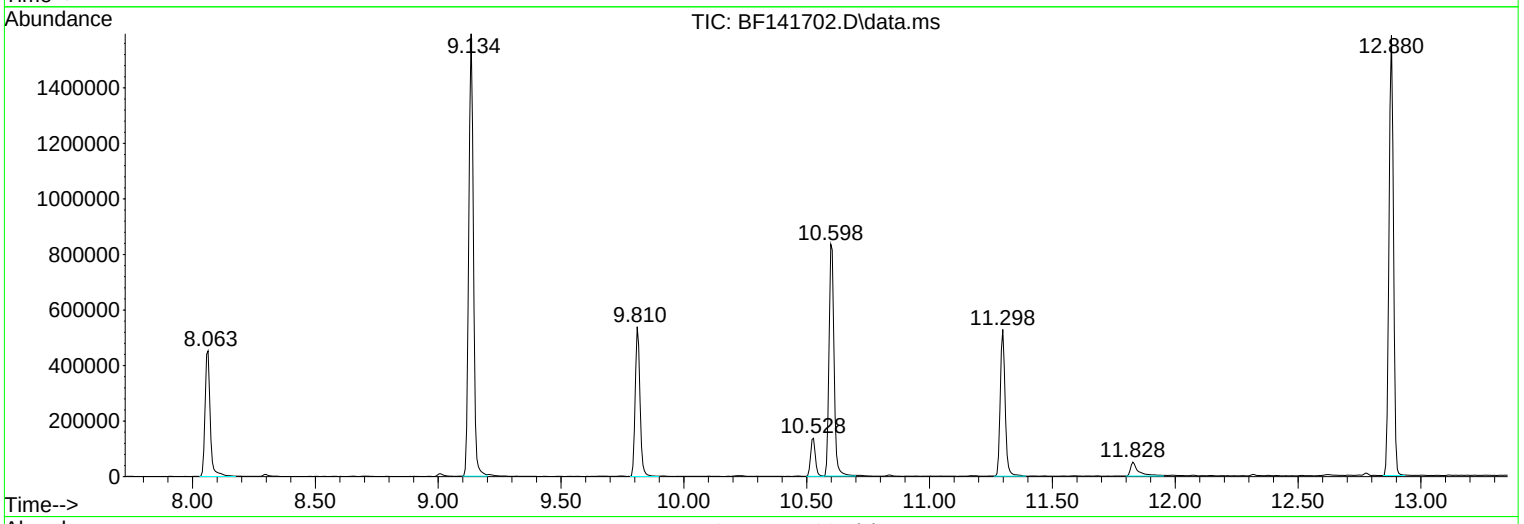
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141702.D
Acq On : 20 Feb 2025 14:36
Operator : RC/JU
Sample : Q1383-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

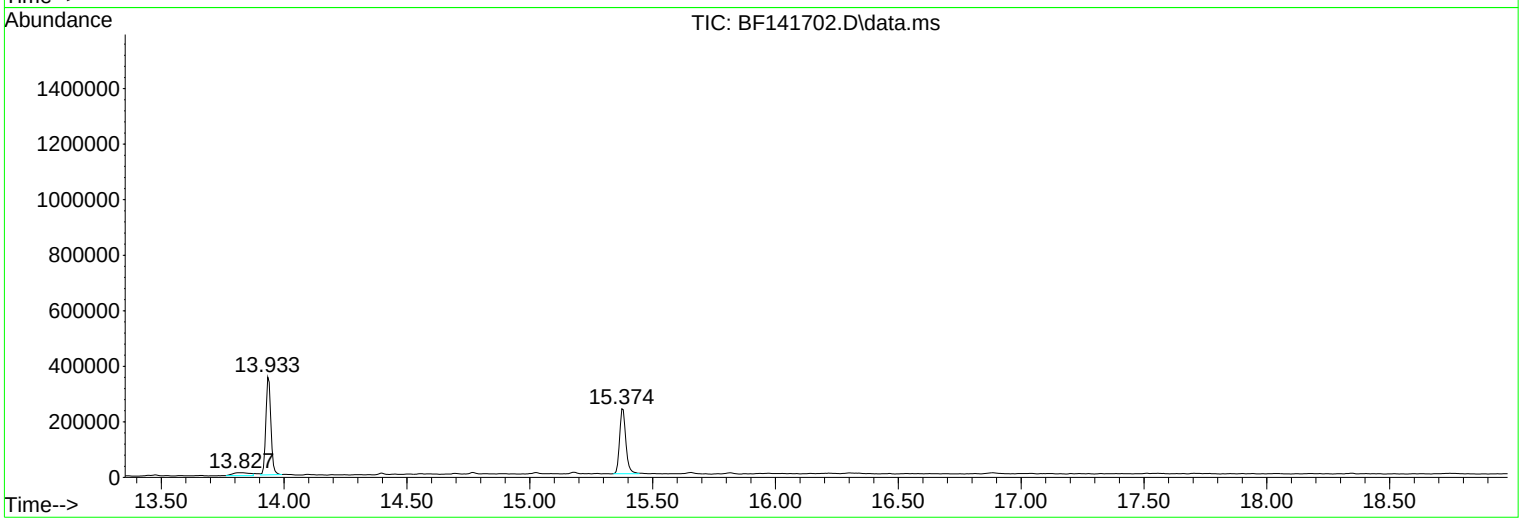
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141702.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141702.D
Acq On : 20 Feb 2025 14:36
Operator : RC/JU
Sample : Q1383-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141702.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141702.D
Acq On : 20 Feb 2025 14:36
Operator : RC/JU
Sample : Q1383-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141703.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-19-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141703.D	1	02/19/25 10:05	02/20/25 15:07	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.090	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.092	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.090	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	54.2		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.9		44 - 115		58%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		54 - 127		66%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89200	6.781				
1146-65-2	Naphthalene-d8	348000	8.063				
15067-26-2	Acenaphthene-d10	185000	9.81				
1517-22-2	Phenanthrene-d10	314000	11.298				
1719-03-5	Chrysene-d12	193000	13.939				
1520-96-3	Perylene-d12	168000	15.38				

TENTATIVE IDENTIFIED COMPOUNDS

Raw Data: **BF141703.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-19-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141703.D	1	02/19/25 10:05	02/20/25 15:07	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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\BF022025\
Data File : BF141703.D
Acq On : 20 Feb 2025 15:07
Operator : RC/JU
Sample : Q1383-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Quant Time: Feb 20 15:33:54 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

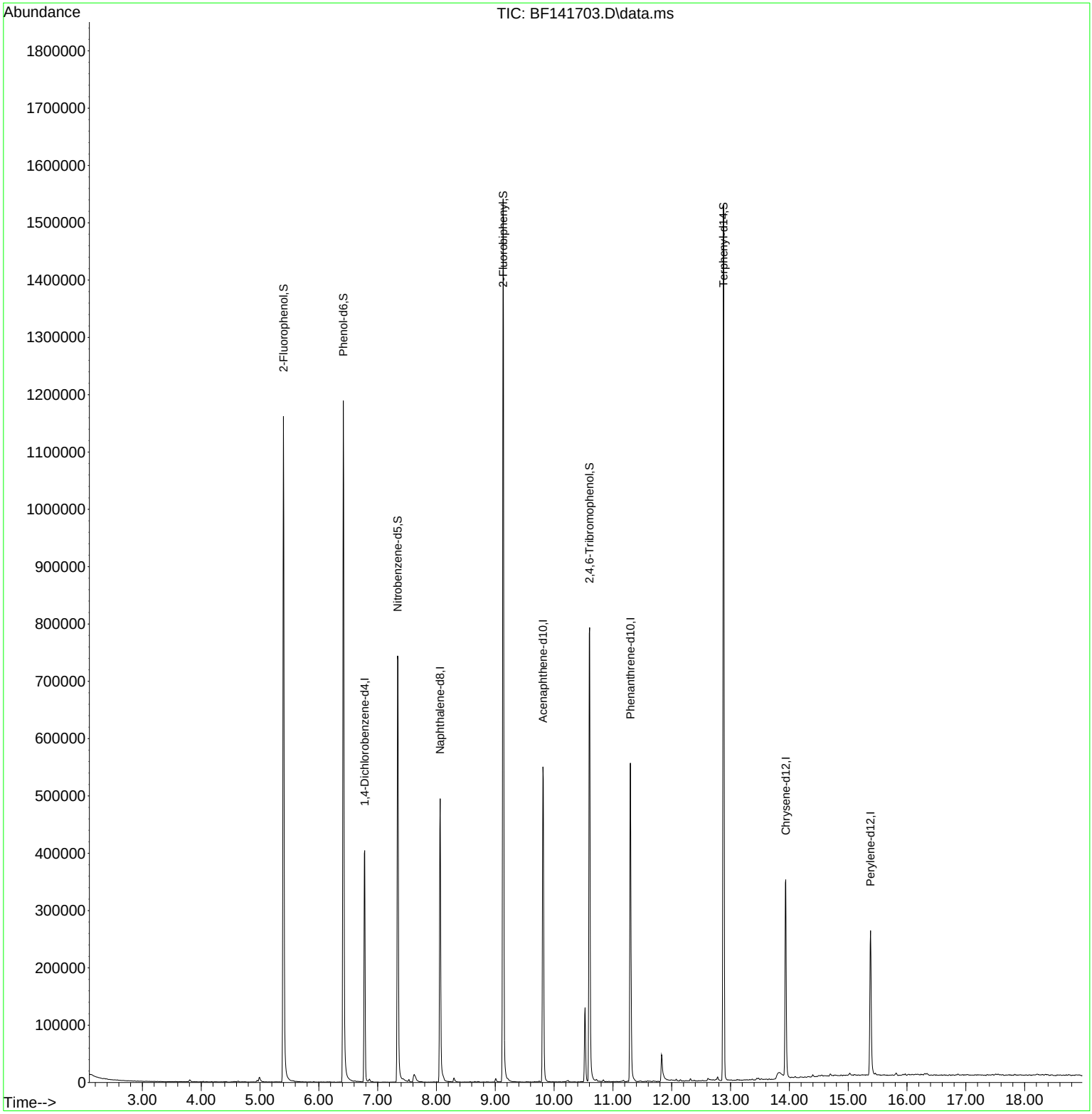
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89237	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	348436	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	184599	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	314386	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	193483	20.000	ng	-0.02
86) Perylene-d12	15.380	264	168330	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	458091	80.479	ng	-0.01
7) Phenol-d6	6.416	99	563692	78.353	ng	-0.02
23) Nitrobenzene-d5	7.339	82	362187	54.217	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	142239	76.704	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	694262	57.942	ng	-0.02
79) Terphenyl-d14	12.880	244	761044	66.402	ng	-0.02
Target Compounds						Qvalue

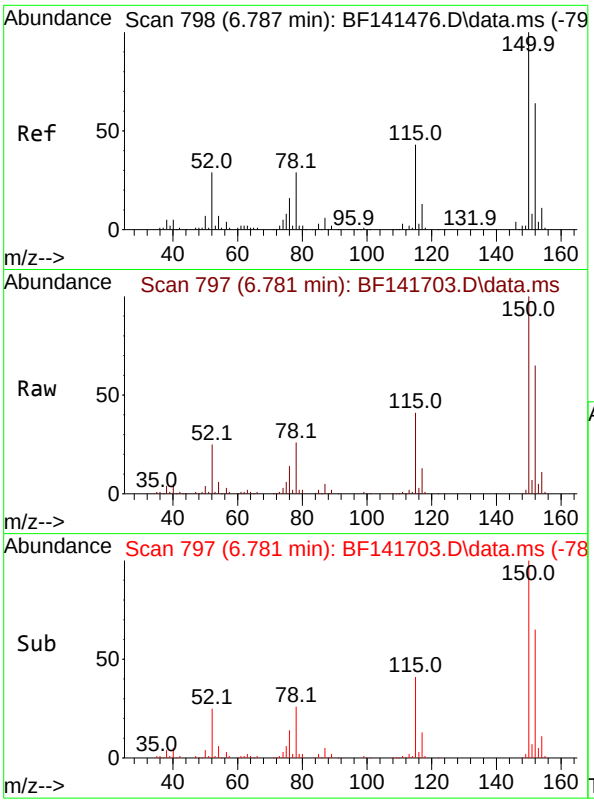
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141703.D
Acq On : 20 Feb 2025 15:07
Operator : RC/JU
Sample : Q1383-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Quant Time: Feb 20 15:33:54 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



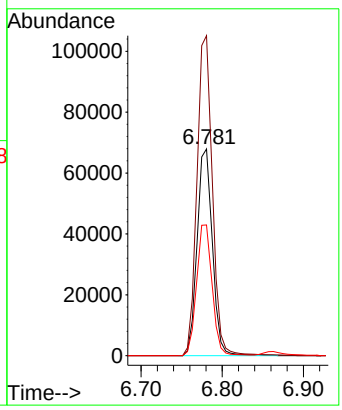


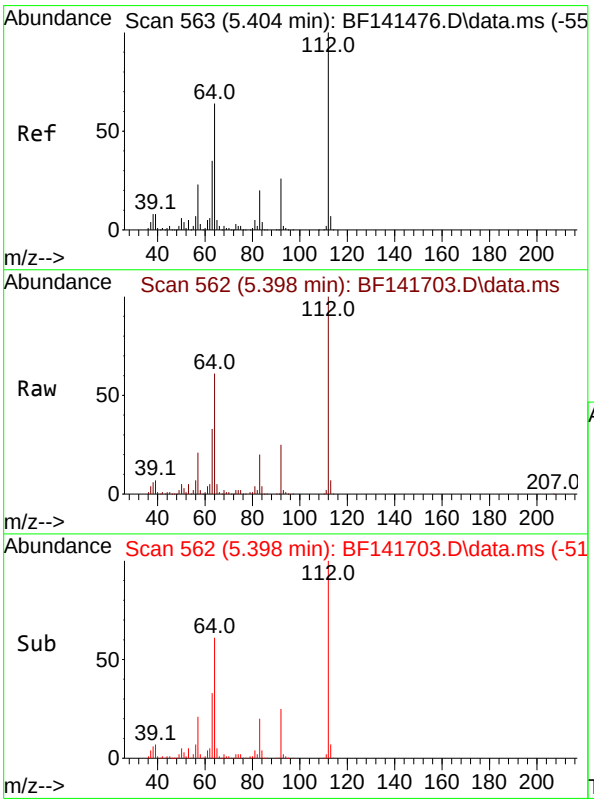
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion:152 Resp: 89237

Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.0	187.4
115	63.2	53.6	80.4

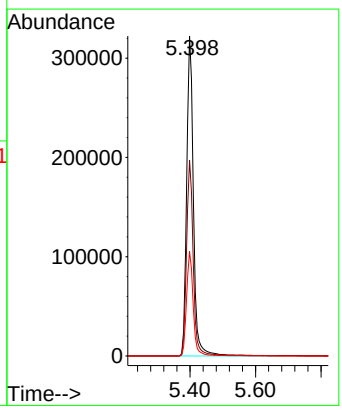


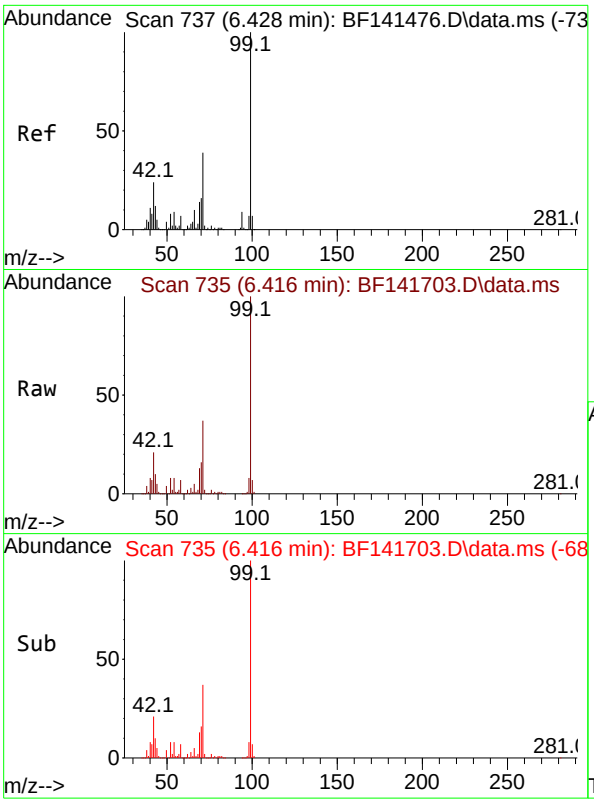


#5
2-Fluorophenol
Concen: 80.479 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:112 Resp: 458091

Ion	Ratio	Lower	Upper
112	100		
64	61.2	51.1	76.7
63	32.6	28.4	42.6



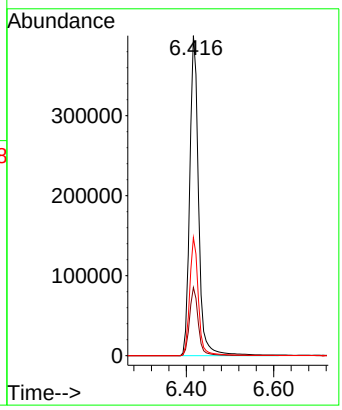


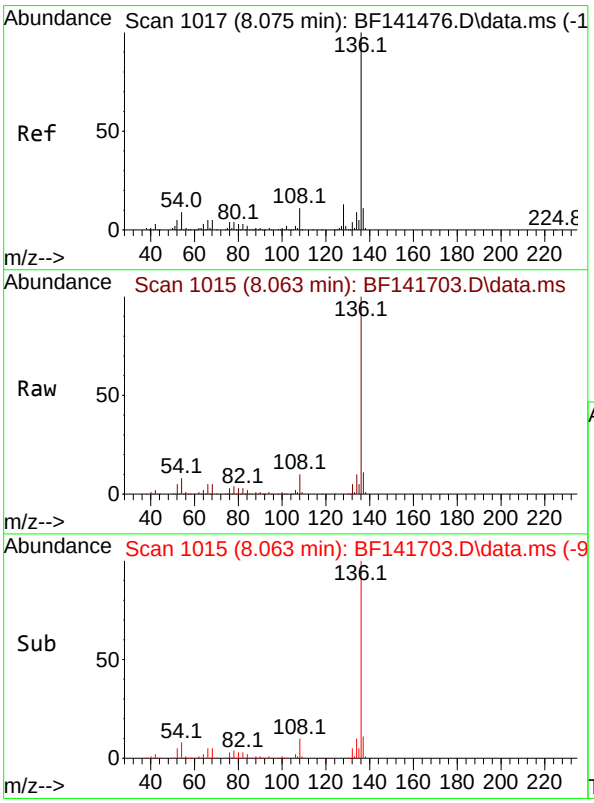
#7
Phenol-d6
Concen: 78.353 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion: 99 Resp: 563692

Ion	Ratio	Lower	Upper
99	100		
42	21.3	19.1	28.7
71	36.9	31.1	46.7

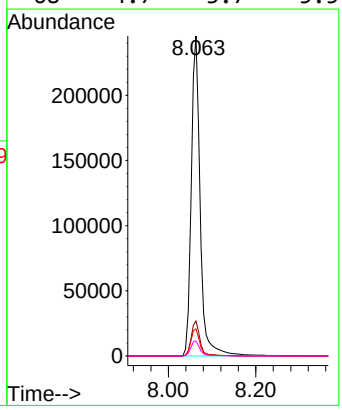


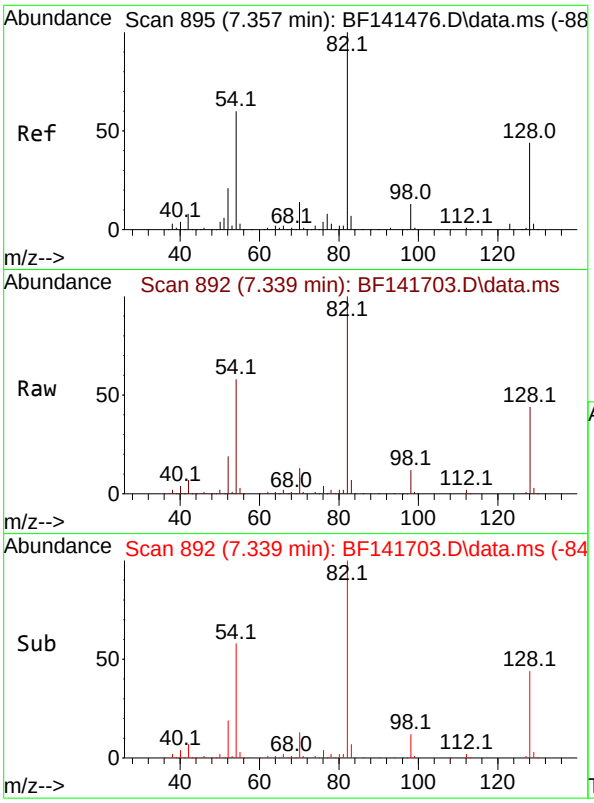


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:136 Resp: 348436

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	7.2	10.8
68	4.7	3.7	5.5



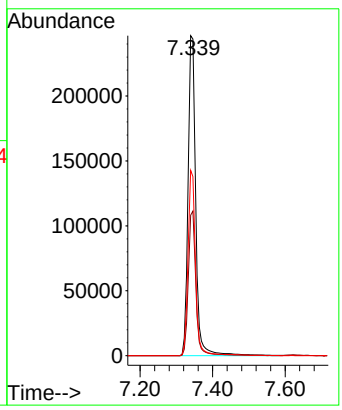


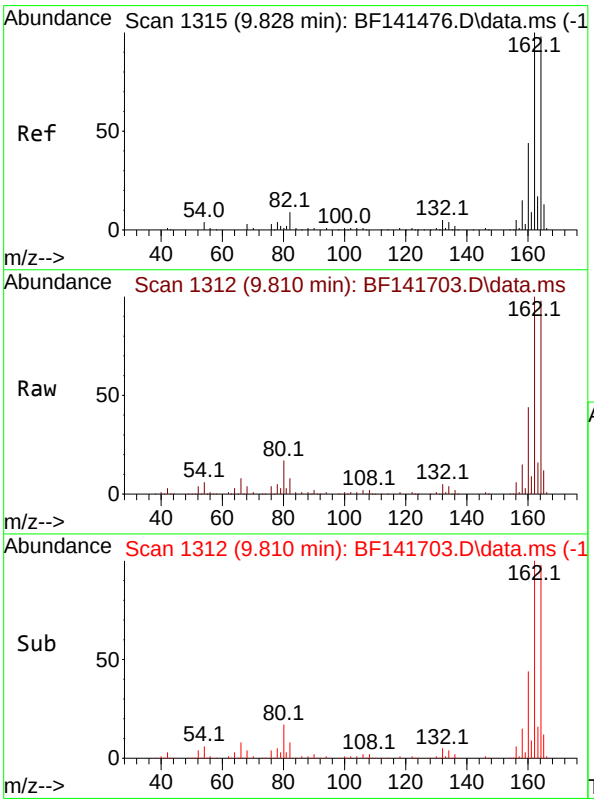
#23
Nitrobenzene-d5
Concen: 54.217 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion: 82 Resp: 362187

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.8	52.2
54	57.9	48.2	72.4

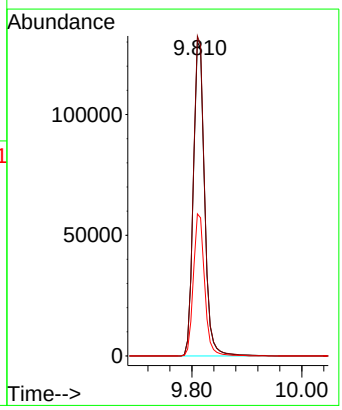


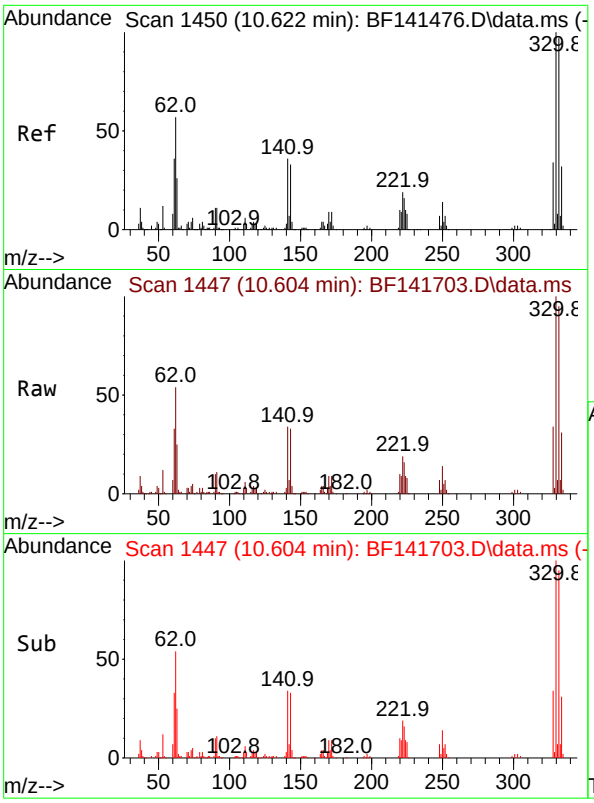


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:164 Resp: 184599

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	45.1	35.9	53.9



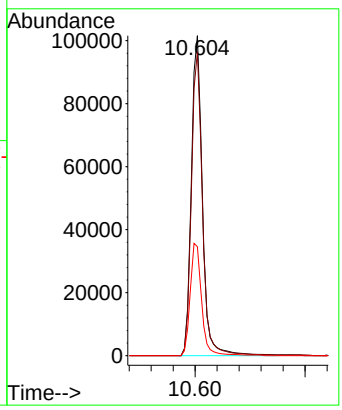


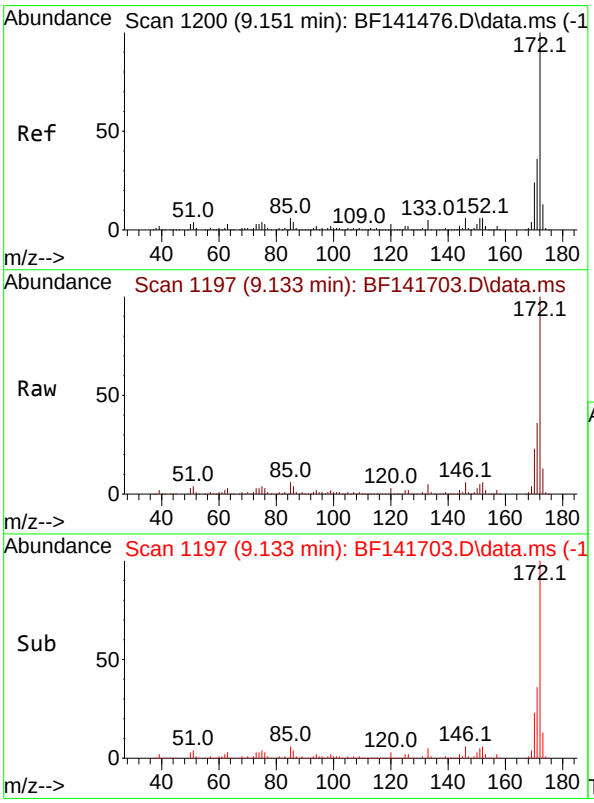
#42
2,4,6-Tribromophenol
Concen: 76.704 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion:330 Resp: 142239

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.5	117.7
141	36.2	31.0	46.4

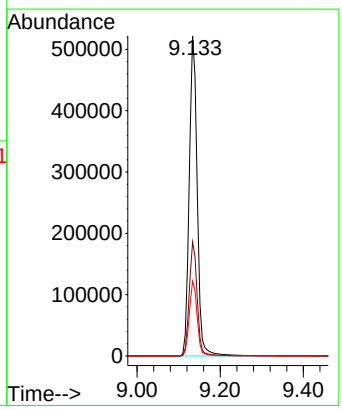


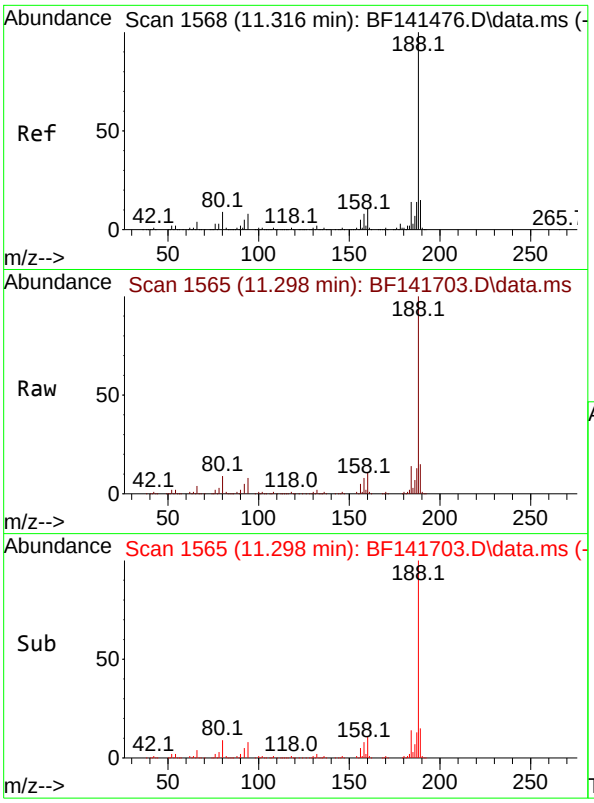


#45
2-Fluorobiphenyl
Concen: 57.942 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:172 Resp: 694262

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.4	18.9	28.3



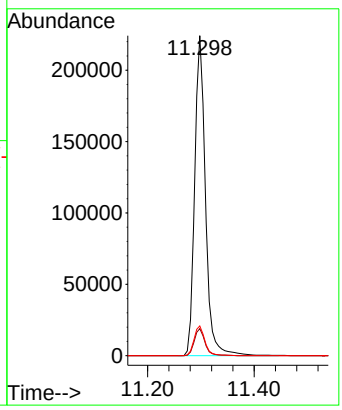


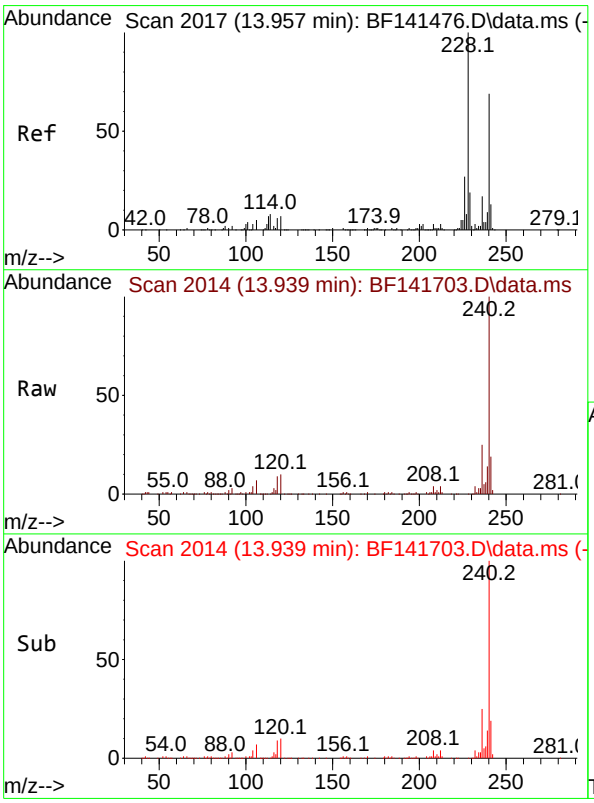
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion:188 Resp: 314386

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.3	7.3	10.9

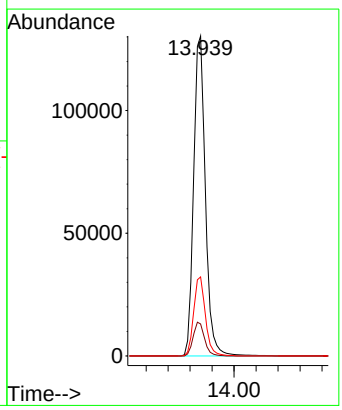


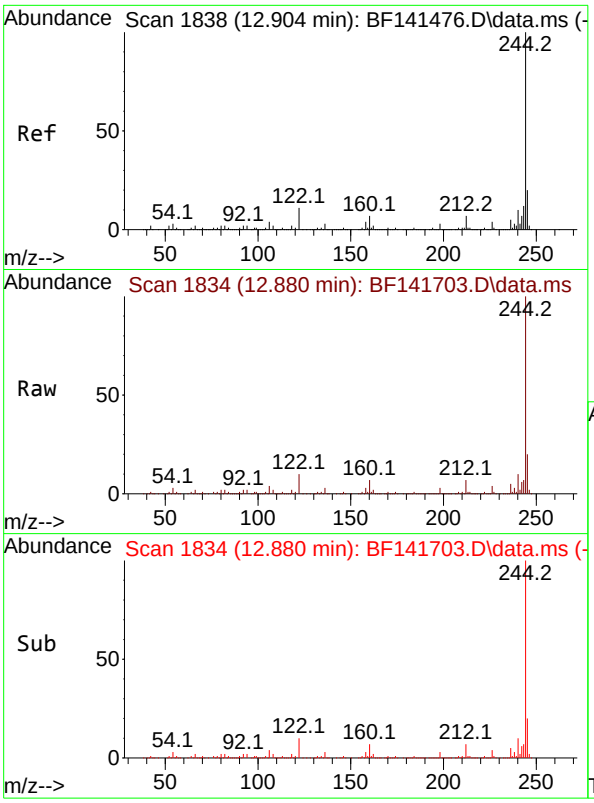


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:240 Resp: 193483

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.7	19.8	29.8



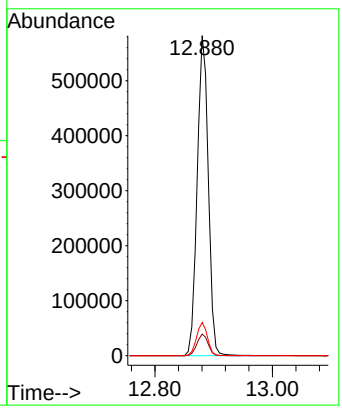


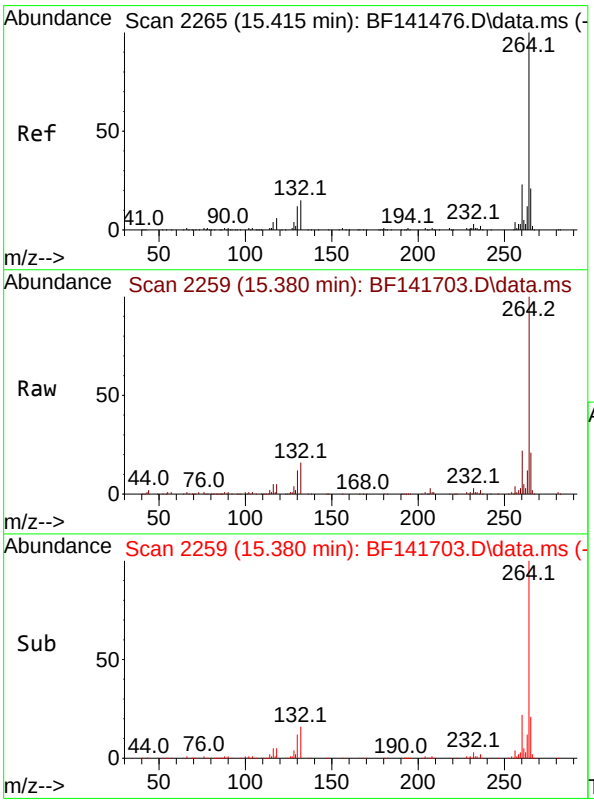
#79
Terphenyl-d14
Concen: 66.402 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion:244 Resp: 761044

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.4	8.4	12.6

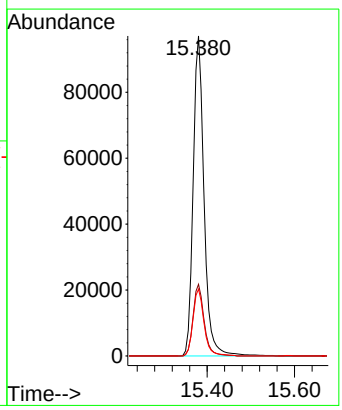




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:264 Resp: 168330

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	28.0
265	20.9	17.0	25.4



Sample Results: **BF141703.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141703.D
Acq On : 20 Feb 2025 15:07
Operator : RC/JU
Sample : Q1383-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141703.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.398	557	562	587	rBV	1161300	1620688	80.07%	11.908%
2	6.416	730	735	765	rBV	1188703	1688384	83.41%	12.405%
3	6.781	791	797	806	rBV	403604	532543	26.31%	3.913%
4	7.339	887	892	907	rBV	743976	1073178	53.02%	7.885%
5	7.622	934	940	956	rBV3	12986	41322	2.04%	0.304%
6	8.063	1009	1015	1038	rBV	494339	697823	34.48%	5.127%
7	9.133	1192	1197	1225	rVB	1540468	2024140	100.00%	14.872%
8	9.810	1307	1312	1328	rBV	549682	768202	37.95%	5.644%
9	10.527	1429	1434	1441	rBV	128862	170561	8.43%	1.253%
10	10.604	1441	1447	1464	rVV	791342	1137079	56.18%	8.355%
11	11.298	1560	1565	1585	rVB	555761	768574	37.97%	5.647%
12	11.827	1650	1655	1671	rBV2	46646	101070	4.99%	0.743%
13	12.880	1828	1834	1846	rBV	1526802	1974533	97.55%	14.508%
14	13.827	1984	1995	2007	rBV9	10967	64185	3.17%	0.472%
15	13.939	2008	2014	2027	rVB	345850	518774	25.63%	3.812%
16	15.380	2253	2259	2271	rBV	251796	429198	21.20%	3.153%

Sum of corrected areas: 13610254

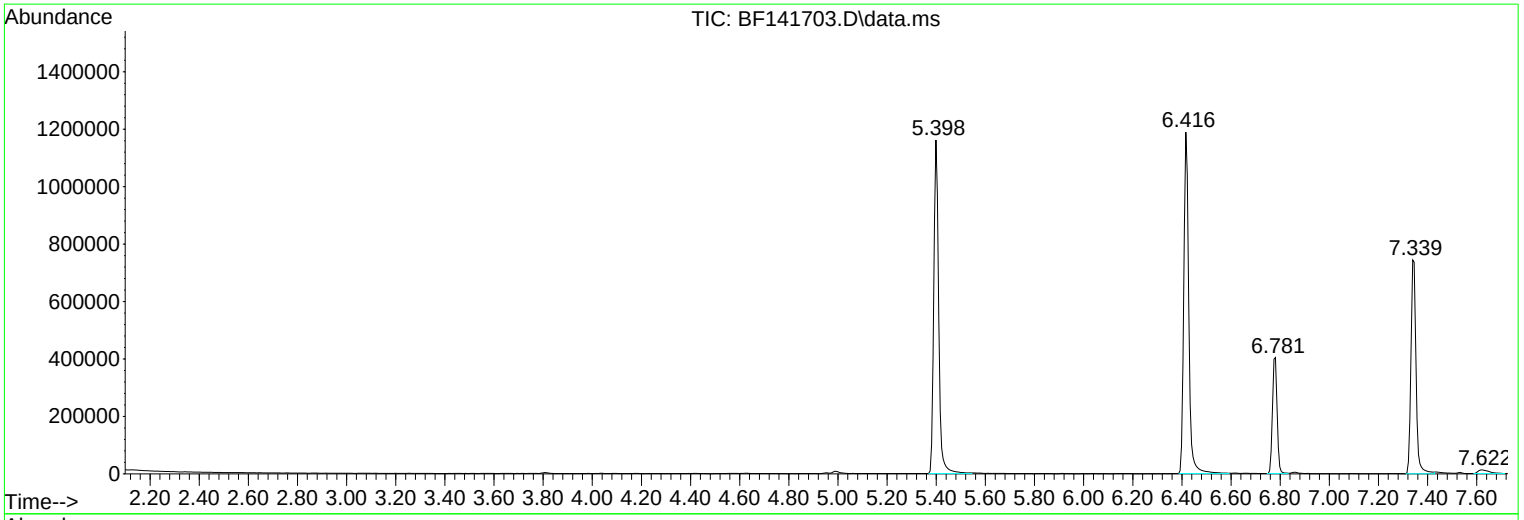
Sample Results: **BF141703.D**

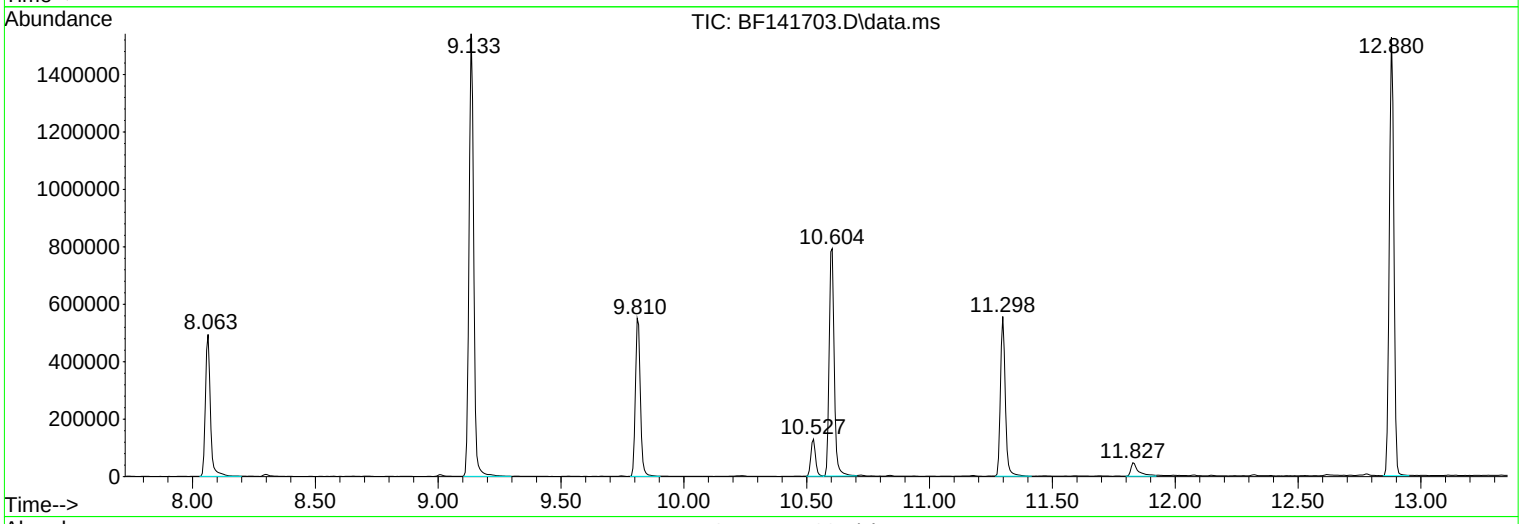
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141703.D
Acq On : 20 Feb 2025 15:07
Operator : RC/JU
Sample : Q1383-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

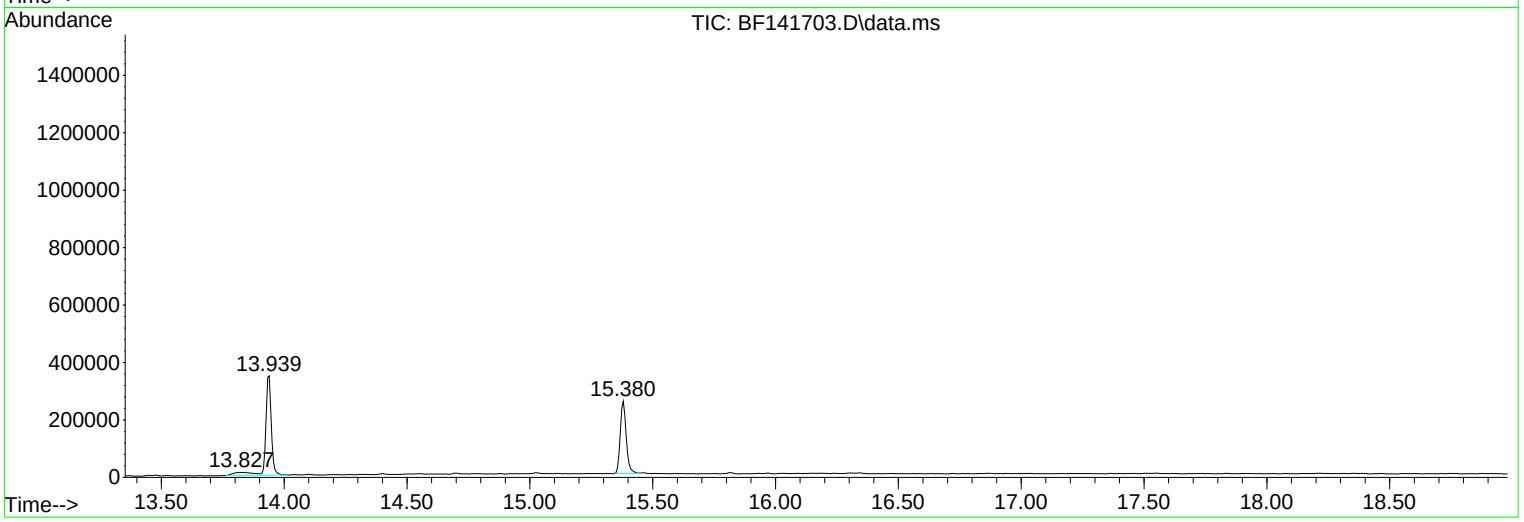
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141703.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141703.D
Acq On : 20 Feb 2025 15:07
Operator : RC/JU
Sample : Q1383-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141703.D
Acq On : 20 Feb 2025 15:07
Operator : RC/JU
Sample : Q1383-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141704.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-20-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141704.D	1	02/19/25 10:05	02/20/25 15:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.093	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.085	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	50.0		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.7		44 - 115		55%	SPK: 100
1718-51-0	Terphenyl-d14	61.1		54 - 127		61%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89200	6.781				
1146-65-2	Naphthalene-d8	355000	8.063				
15067-26-2	Acenaphthene-d10	186000	9.816				
1517-22-2	Phenanthrene-d10	316000	11.298				
1719-03-5	Chrysene-d12	191000	13.939				
1520-96-3	Perylene-d12	170000	15.38				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **BF141704.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-20-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141704.D	1	02/19/25 10:05	02/20/25 15:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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: **BF141704.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141704.D
Acq On : 20 Feb 2025 15:36
Operator : RC/JU
Sample : Q1383-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Quant Time: Feb 20 16:16:10 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 16:58:59 2025
Response via : Initial Calibration

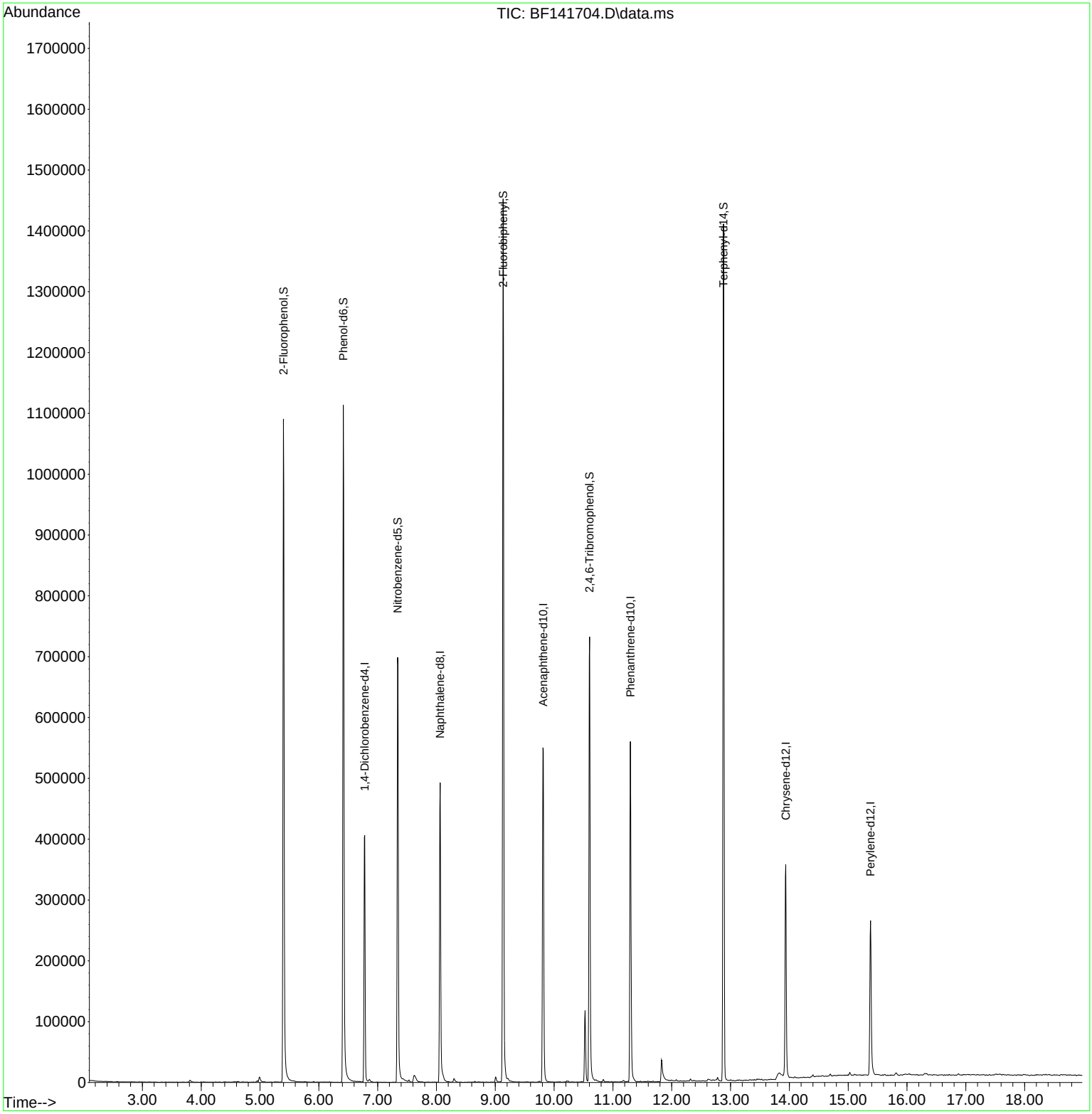
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89180	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	355178	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	185538	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	316202	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	190956	20.000	ng	-0.02
86) Perylene-d12	15.380	264	170452	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	432305	75.997	ng	-0.01
7) Phenol-d6	6.416	99	528501	73.508	ng	-0.02
23) Nitrobenzene-d5	7.339	82	340153	49.952	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	130077	69.791	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	659012	54.722	ng	-0.02
79) Terphenyl-d14	12.880	244	690596	61.053	ng	-0.02
Target Compounds						Qvalue

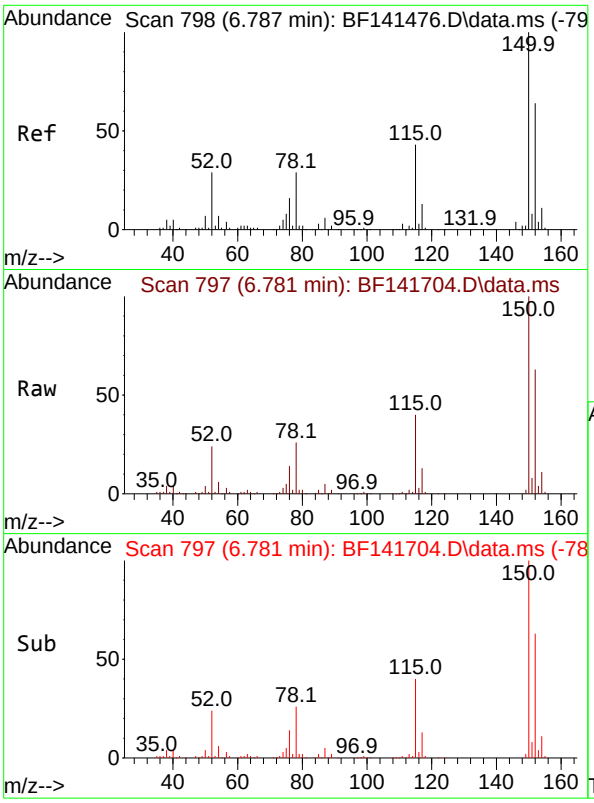
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141704.D
Acq On : 20 Feb 2025 15:36
Operator : RC/JU
Sample : Q1383-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Quant Time: Feb 20 16:16:10 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 16:58:59 2025
Response via : Initial Calibration



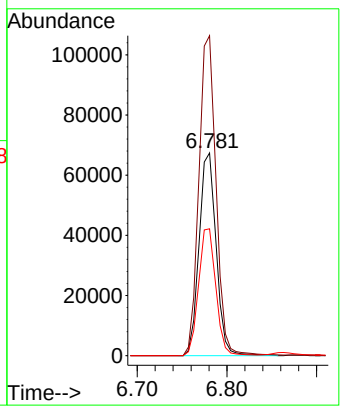


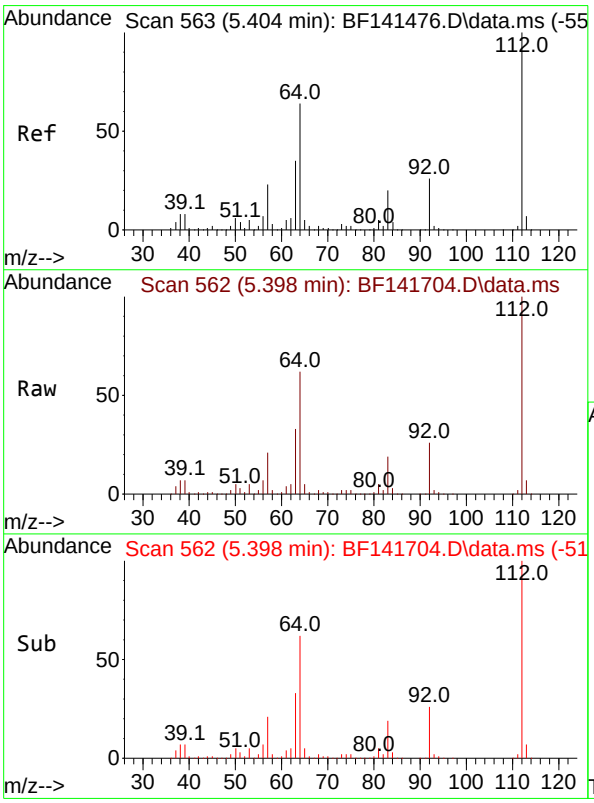
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion:152 Resp: 89180

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.0	187.4
115	62.6	53.6	80.4

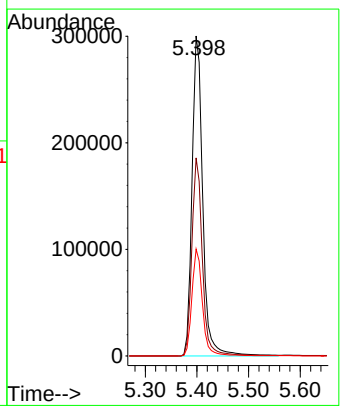


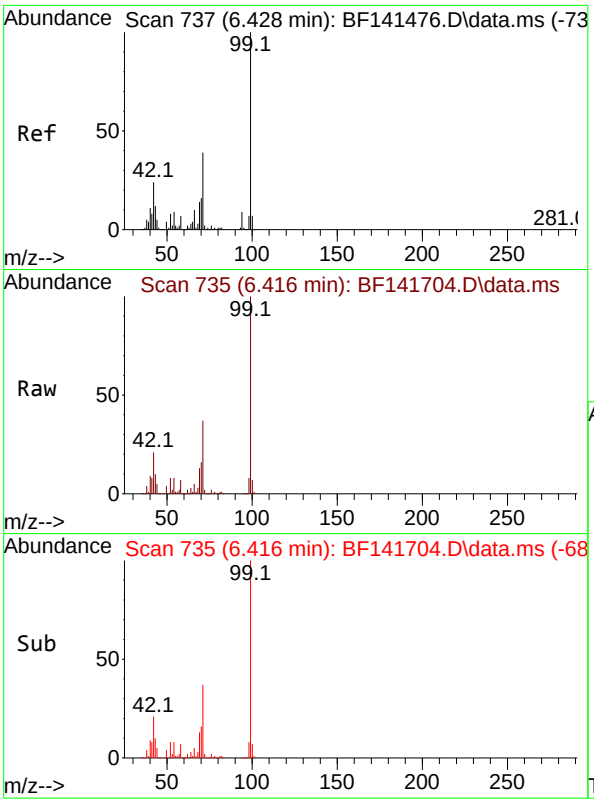


#5
2-Fluorophenol
Concen: 75.997 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:112 Resp: 432305

Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.1	76.7
63	33.4	28.4	42.6



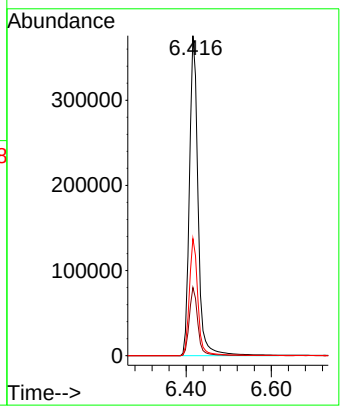


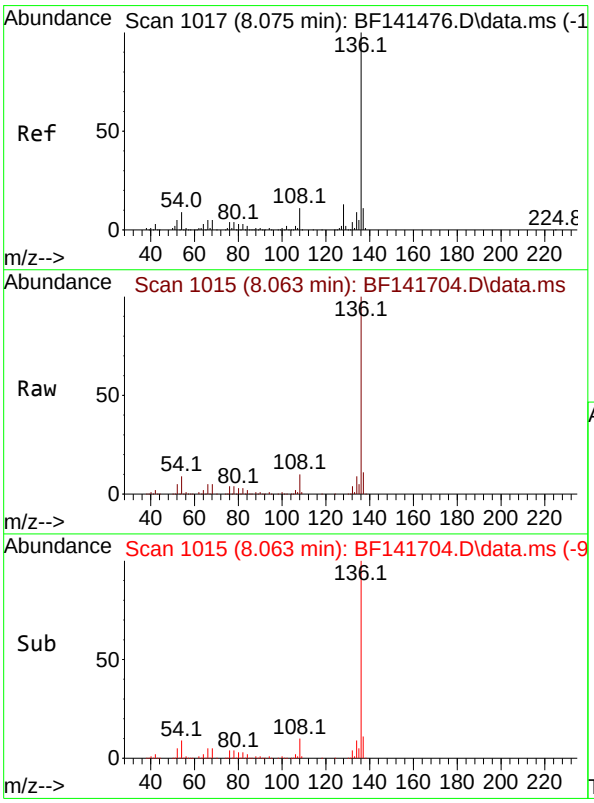
#7
Phenol-d6
Concen: 73.508 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion: 99 Resp: 528501

Ion	Ratio	Lower	Upper
99	100		
42	21.3	19.1	28.7
71	36.6	31.1	46.7

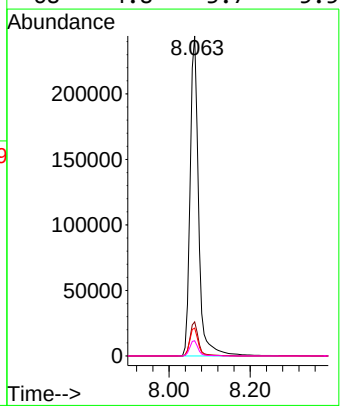


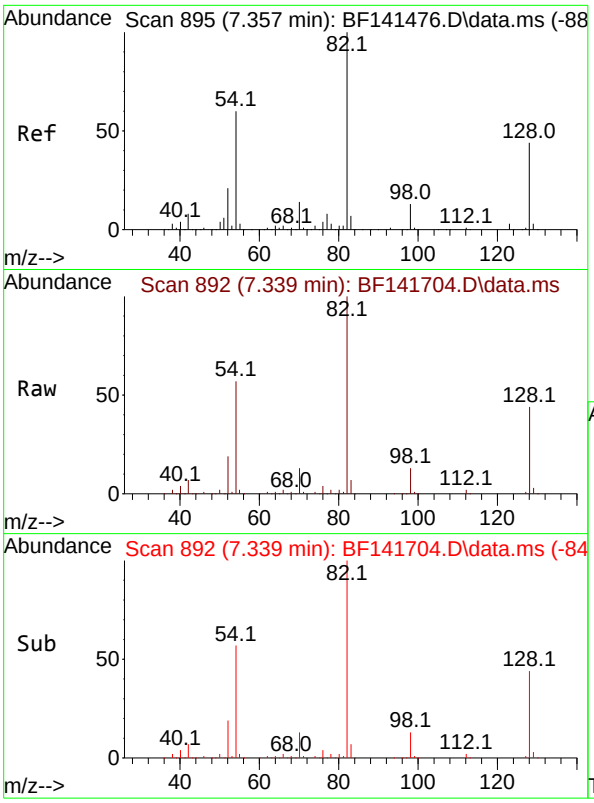


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:136 Resp: 355178

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.7	7.2	10.8
68	4.8	3.7	5.5



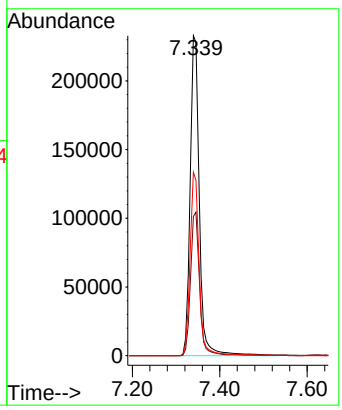


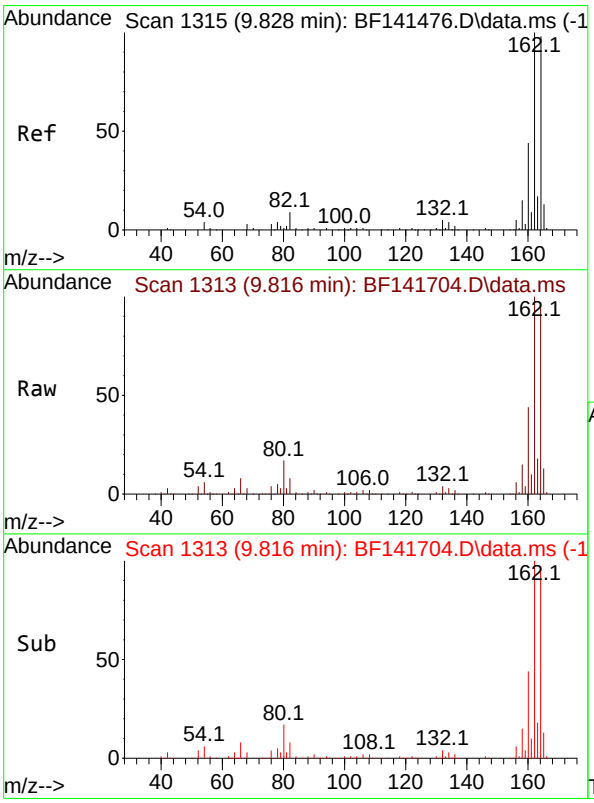
#23
Nitrobenzene-d5
Concen: 49.952 ng
RT: 7.339 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion: 82 Resp: 340153

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	57.4	48.2	72.4

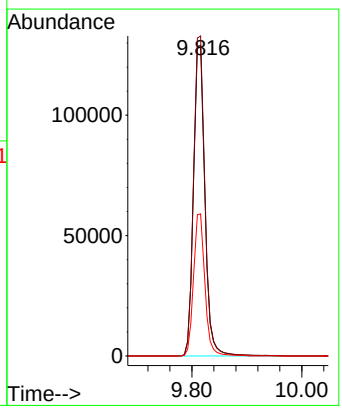


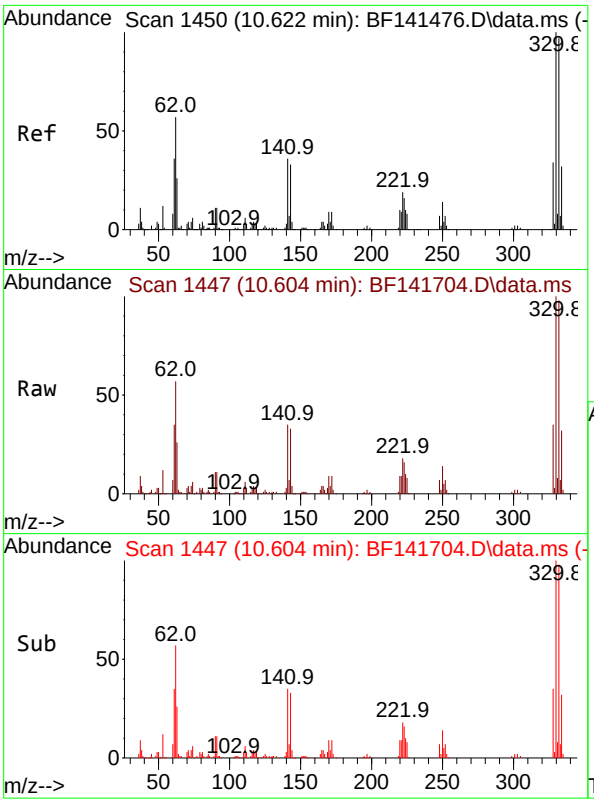


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:164 Resp: 185538

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.3	121.9
160	45.8	35.9	53.9



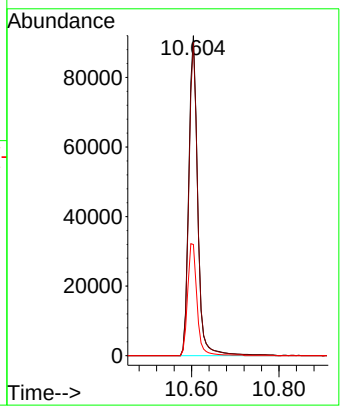


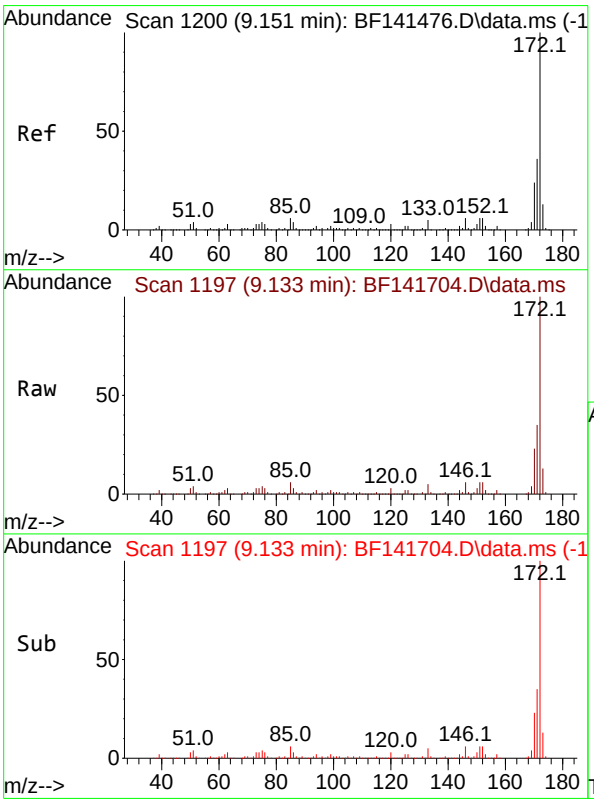
#42
2,4,6-Tribromophenol
Concen: 69.791 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion:330 Resp: 130077

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.5	117.7
141	36.7	31.0	46.4

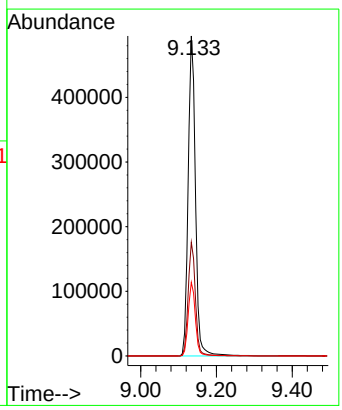


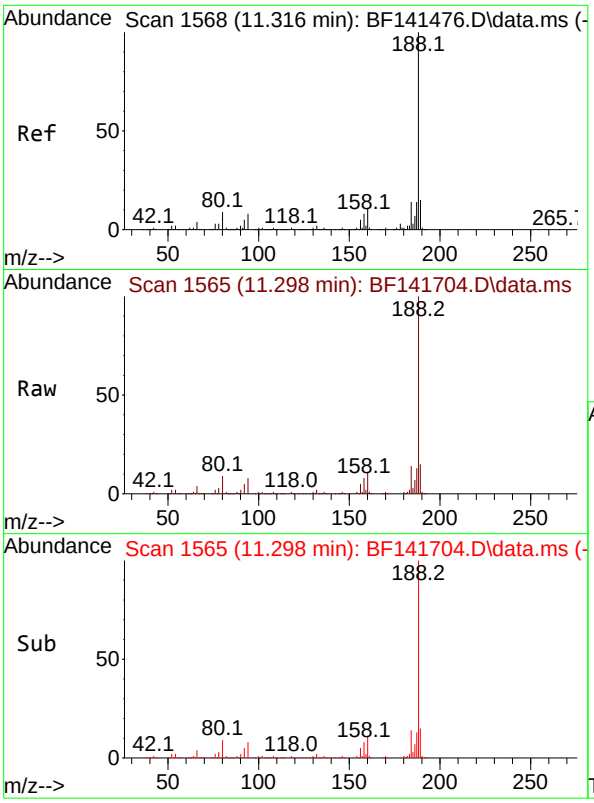


#45
2-Fluorobiphenyl
Concen: 54.722 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:172 Resp: 659012

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



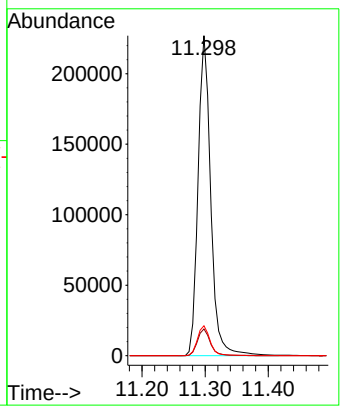


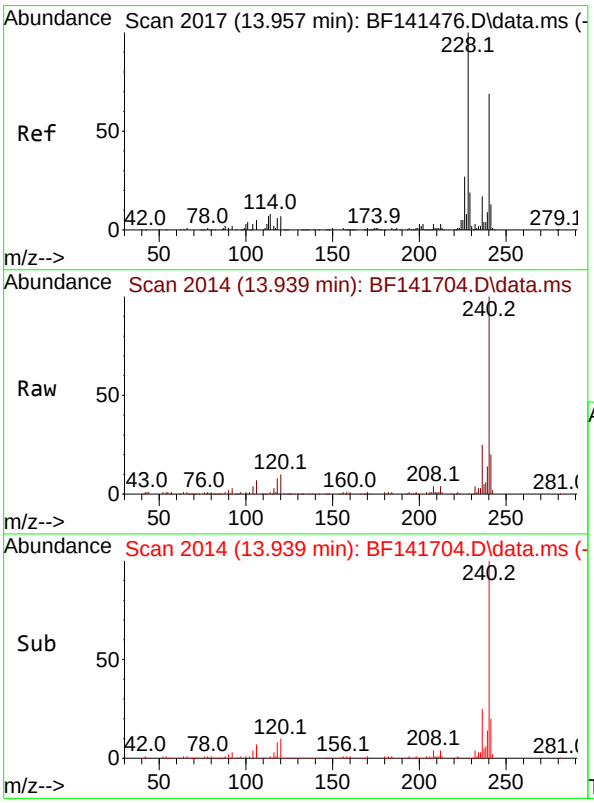
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion:188 Resp: 316202

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.4	7.3	10.9

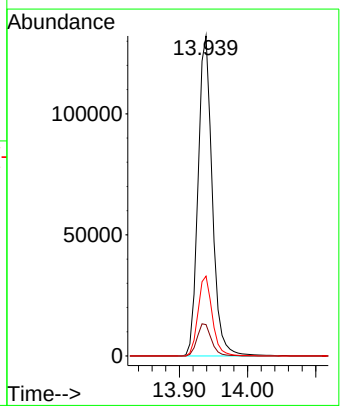


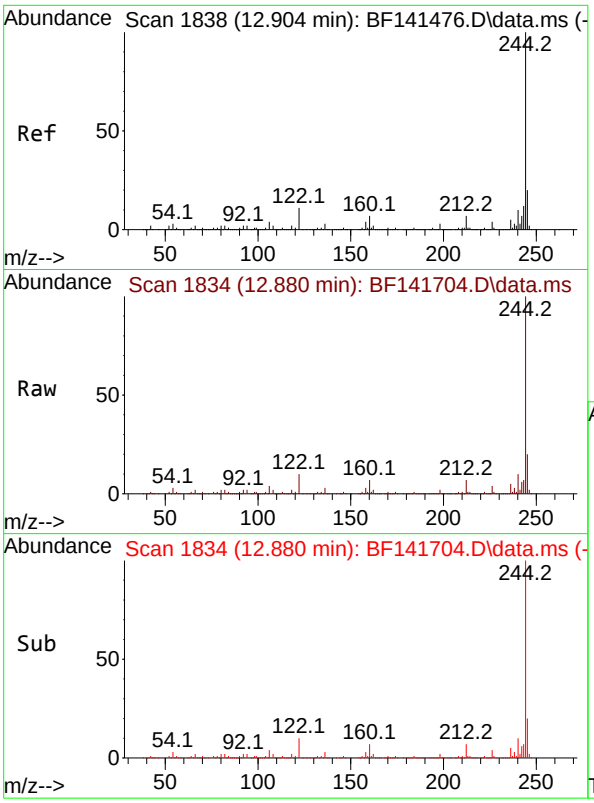


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:240 Resp: 190956

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.0	19.8	29.8



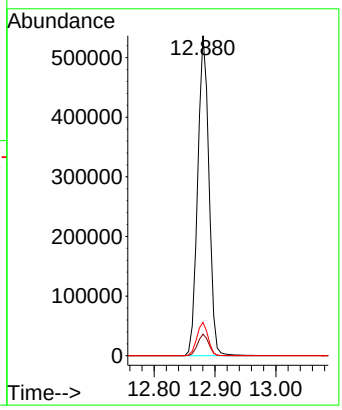


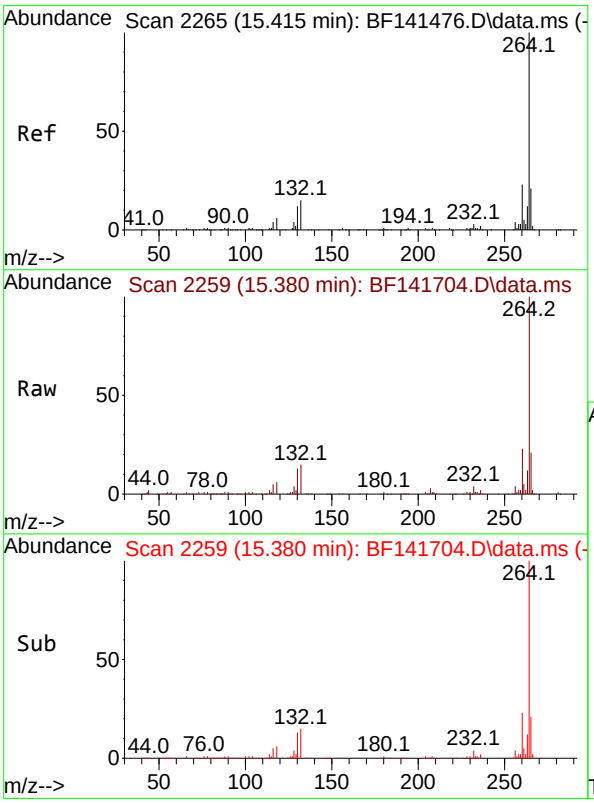
#79
Terphenyl-d14
Concen: 61.053 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Tgt Ion:244 Resp: 690596

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.4	8.4	12.6

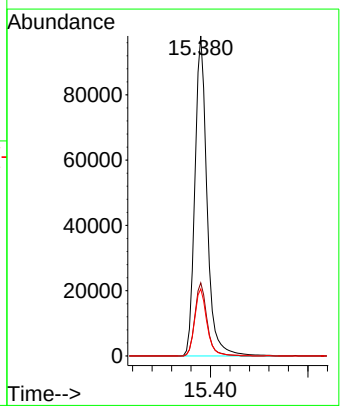




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141704.D
Acq: 20 Feb 2025 15:36

Tgt Ion:264 Resp: 170452

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.0	17.0	25.4



Sample Results: **BF141704.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141704.D
Acq On : 20 Feb 2025 15:36
Operator : RC/JU
Sample : Q1383-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141704.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.398	557	562	580	rBV	1089991	1540765	81.00%	11.884%
2	6.416	730	735	766	rBV	1112911	1580439	83.09%	12.190%
3	6.781	792	797	806	rBV	405342	538965	28.34%	4.157%
4	7.339	887	892	906	rBV	698771	1004877	52.83%	7.750%
5	7.622	934	940	956	rBV3	11277	36541	1.92%	0.282%
6	8.063	1009	1015	1037	rBV	492128	709283	37.29%	5.471%
7	9.133	1191	1197	1209	rBV	1451449	1902111	100.00%	14.671%
8	9.810	1307	1312	1328	rBV	549828	782303	41.13%	6.034%
9	10.527	1429	1434	1441	rBV	117221	157223	8.27%	1.213%
10	10.604	1441	1447	1462	rVV	730173	1044192	54.90%	8.054%
11	11.298	1560	1565	1583	rBV	559038	770162	40.49%	5.940%
12	11.827	1650	1655	1671	rBV2	35771	81764	4.30%	0.631%
13	12.880	1828	1834	1849	rBV	1408804	1800524	94.66%	13.887%
14	13.827	1983	1995	2006	rBV9	11123	60755	3.19%	0.469%
15	13.939	2006	2014	2024	rVB	350347	518470	27.26%	3.999%
16	15.380	2253	2259	2273	rBV	253398	437164	22.98%	3.372%

Sum of corrected areas: 12965538

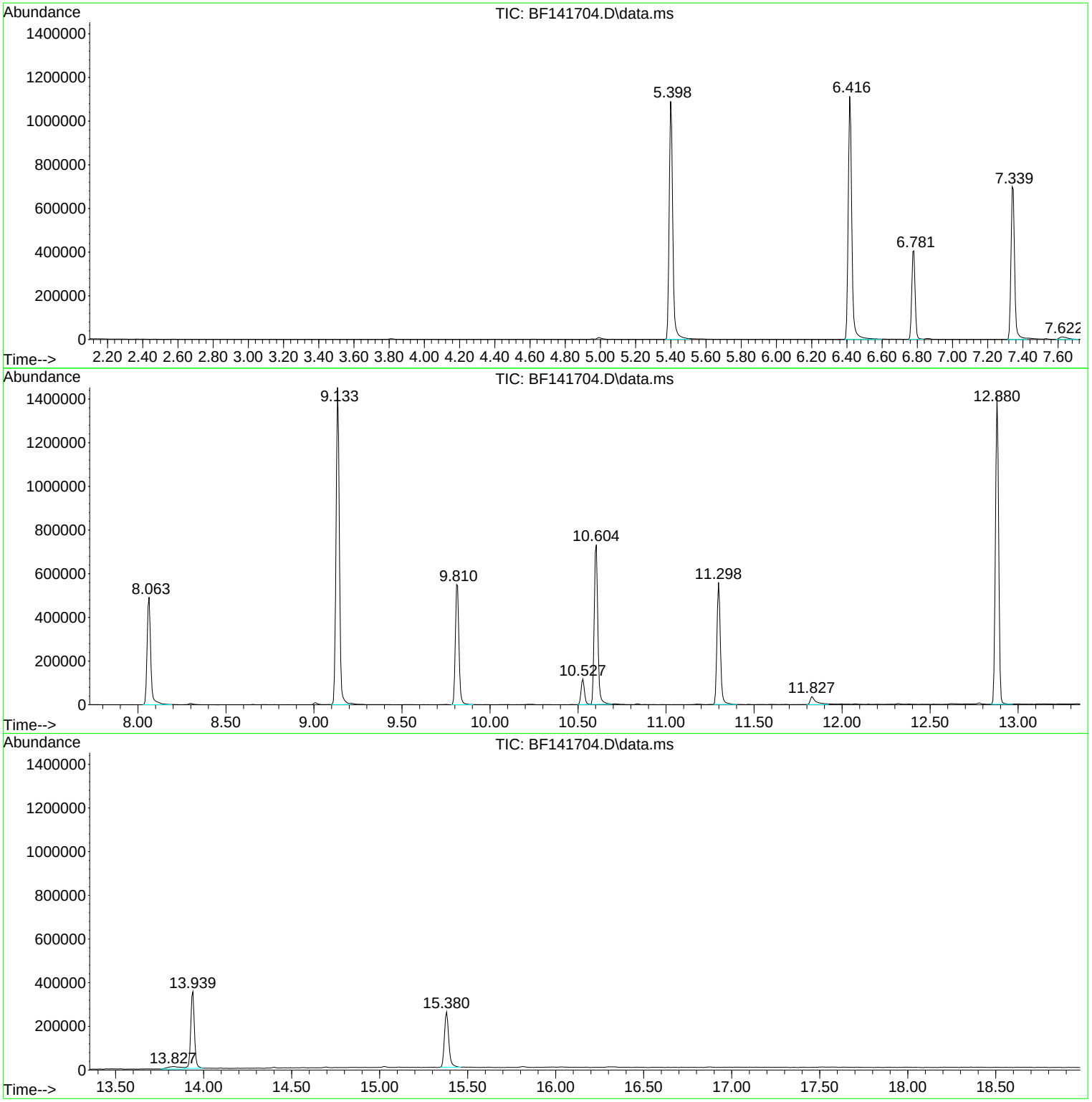
Sample Results: **BF141704.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141704.D
Acq On : 20 Feb 2025 15:36
Operator : RC/JU
Sample : Q1383-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Sample Results: **BF141704.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141704.D
Acq On : 20 Feb 2025 15:36
Operator : RC/JU
Sample : Q1383-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141704.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141704.D
Acq On : 20 Feb 2025 15:36
Operator : RC/JU
Sample : Q1383-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-20-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141705.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-CF-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141705.D	1	02/19/25 10:05	02/20/25 16:05	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	61.6		37 - 122		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.4		44 - 115		65%	SPK: 100
1718-51-0	Terphenyl-d14	72.2		54 - 127		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89400	6.781				
1146-65-2	Naphthalene-d8	350000	8.063				
15067-26-2	Acenaphthene-d10	182000	9.81				
1517-22-2	Phenanthrene-d10	312000	11.298				
1719-03-5	Chrysene-d12	183000	13.939				
1520-96-3	Perylene-d12	169000	15.38				
TENTATIVE IDENTIFIED COMPOUNDS							

Raw Data: **BF141705.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-CF-15-021725	SDG No.:	Q1383
Lab Sample ID:	Q1383-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141705.D	1	02/19/25 10:05	02/20/25 16:05	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972-60-8	ALACHLOR	N.D.					
82-68-8	Quintozine	N.D.					

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: **BF141705.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141705.D
Acq On : 20 Feb 2025 16:05
Operator : RC/JU
Sample : Q1383-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Quant Time: Feb 20 16:30:37 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

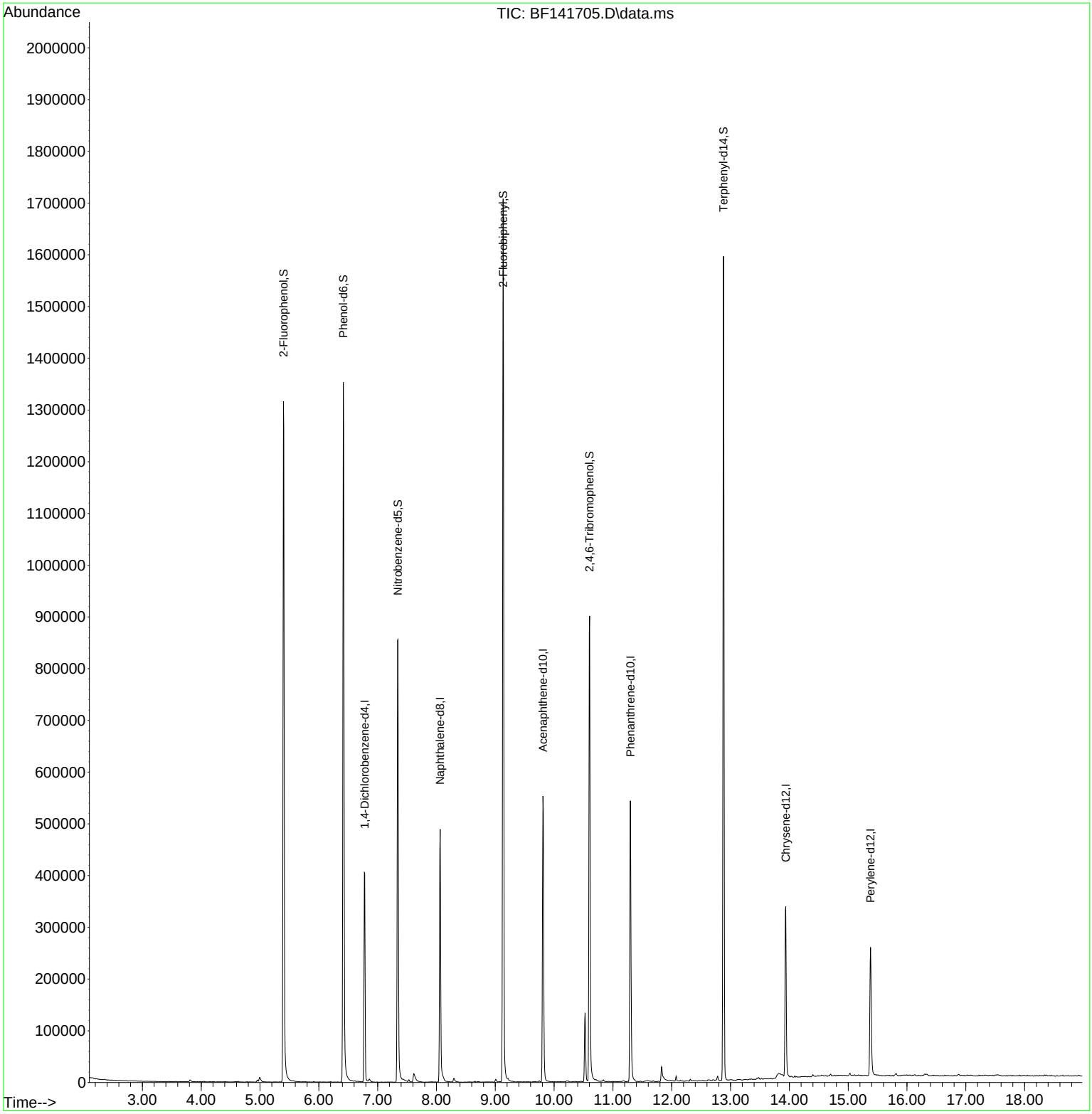
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89370	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	350480	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	181694	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	311871	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	182612	20.000	ng	-0.02
86) Perylene-d12	15.380	264	168942	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	524168	91.950	ng	-0.01
7) Phenol-d6	6.416	99	653165	90.654	ng	-0.02
23) Nitrobenzene-d5	7.345	82	414217	61.644	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	158905	87.062	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	770784	65.357	ng	-0.02
79) Terphenyl-d14	12.880	244	781103	72.210	ng	-0.02
Target Compounds						Qvalue

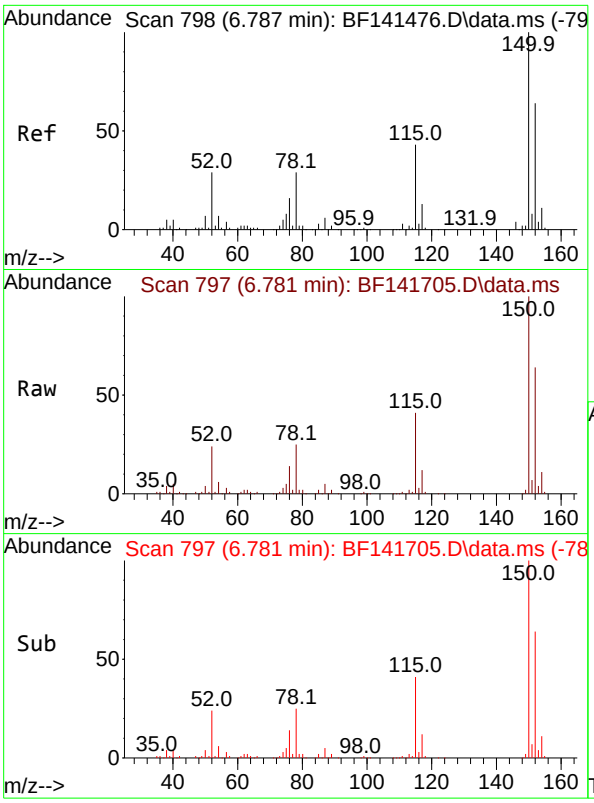
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141705.D
Acq On : 20 Feb 2025 16:05
Operator : RC/JU
Sample : Q1383-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Quant Time: Feb 20 16:30:37 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



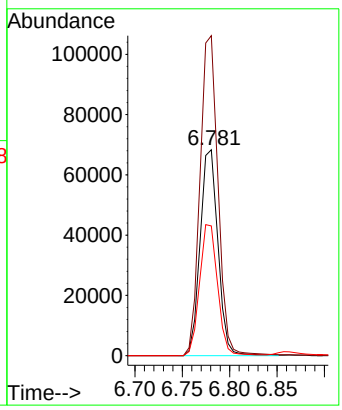


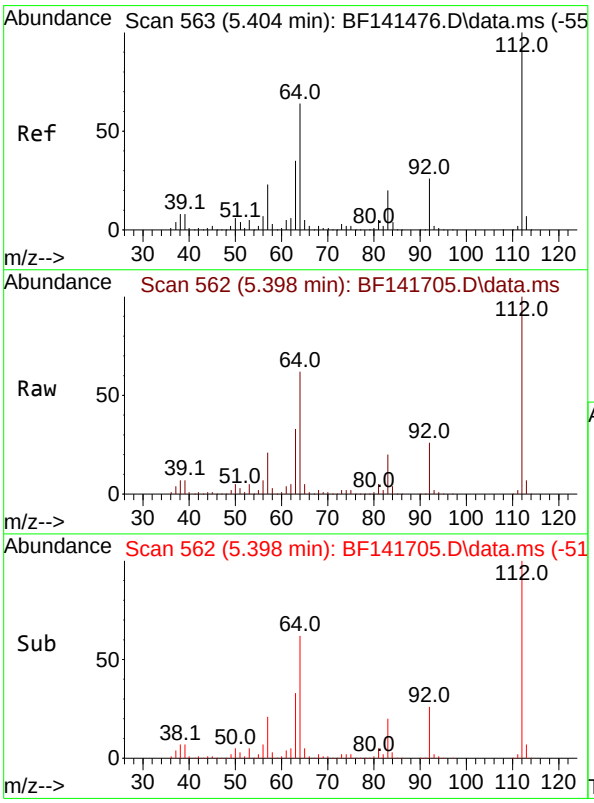
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Tgt Ion:152 Resp: 89370

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.0	187.4
115	63.0	53.6	80.4

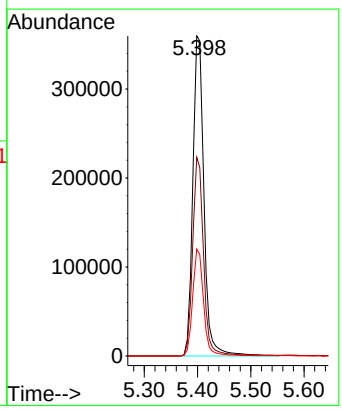


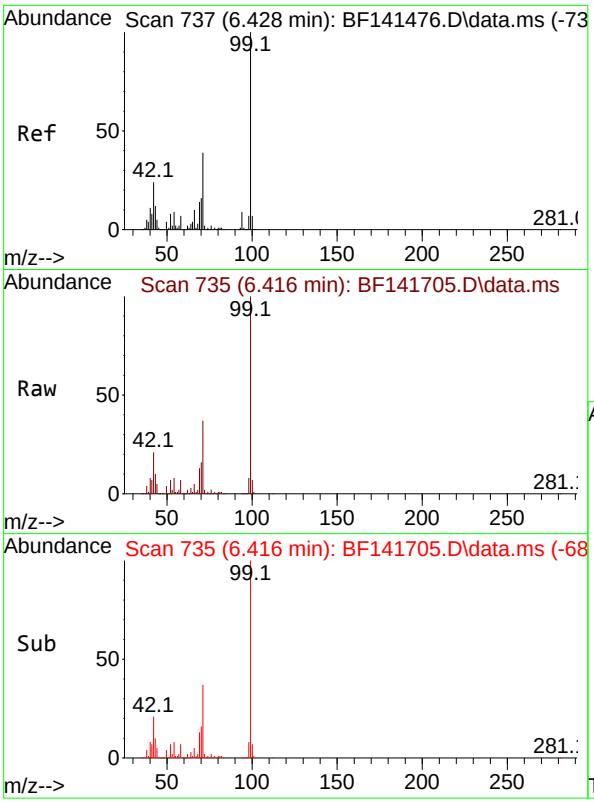


#5
2-Fluorophenol
Concen: 91.950 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Tgt Ion:112 Resp: 524168

Ion	Ratio	Lower	Upper
112	100		
64	62.1	51.1	76.7
63	33.4	28.4	42.6



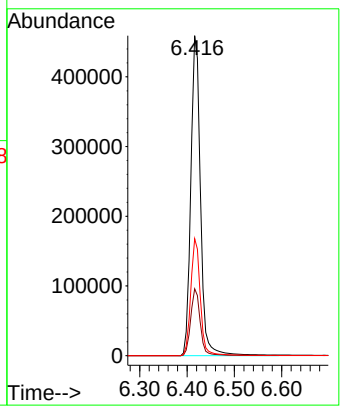


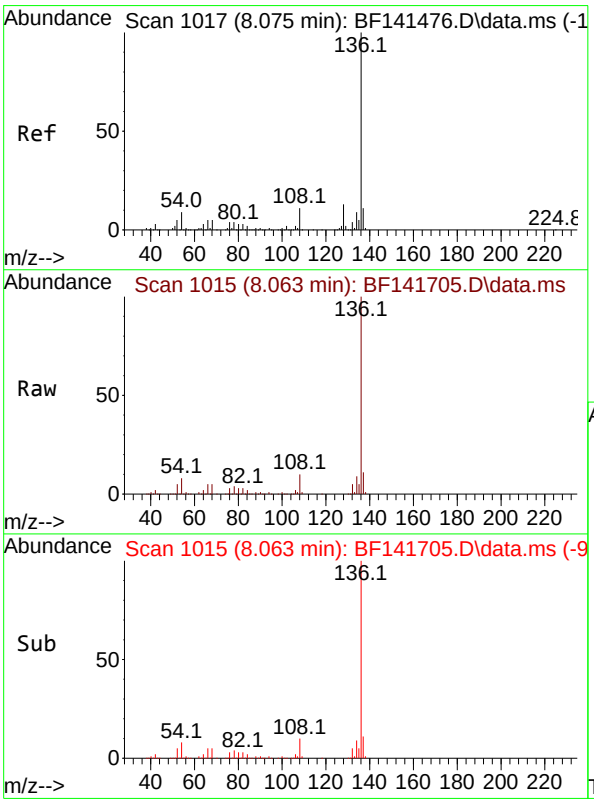
#7
Phenol-d6
Concen: 90.654 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Tgt Ion: 99 Resp: 653165

Ion	Ratio	Lower	Upper
99	100		
42	20.9	19.1	28.7
71	36.6	31.1	46.7

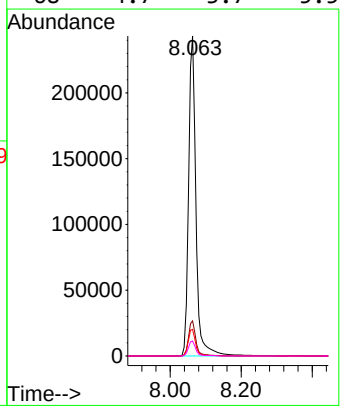


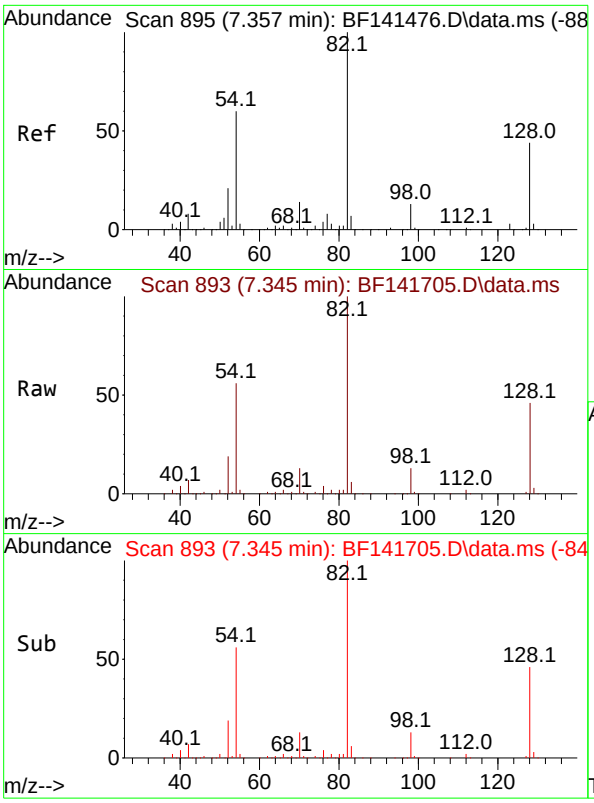


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Tgt Ion:136 Resp: 350480

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	7.2	10.8
68	4.7	3.7	5.5



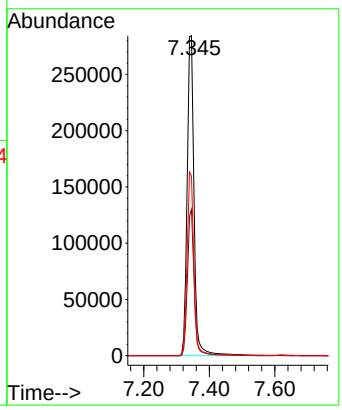


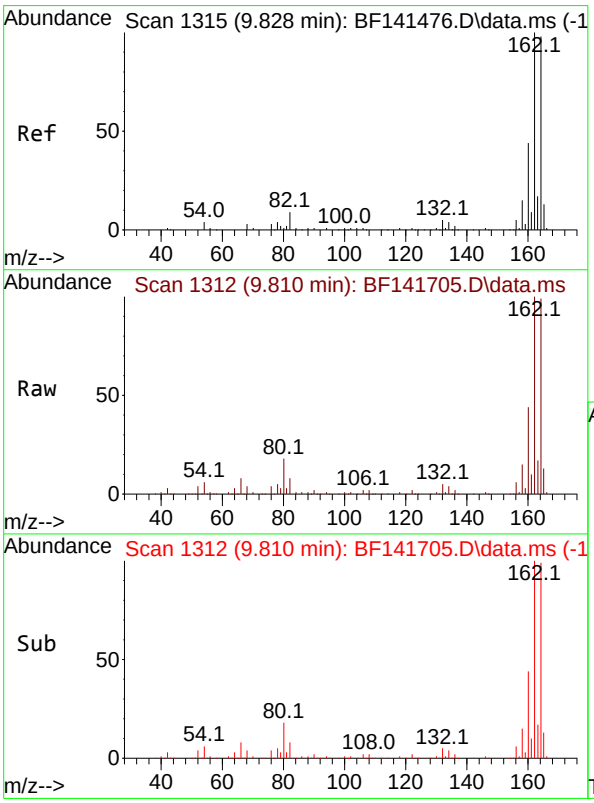
#23
Nitrobenzene-d5
Concen: 61.644 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Tgt Ion: 82 Resp: 414217

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.8	52.2
54	56.2	48.2	72.4

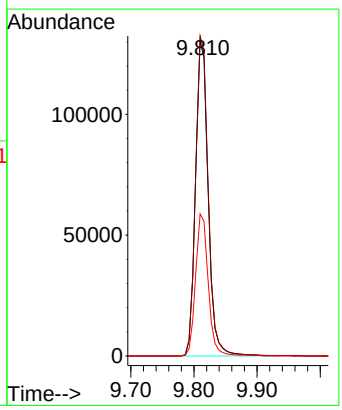


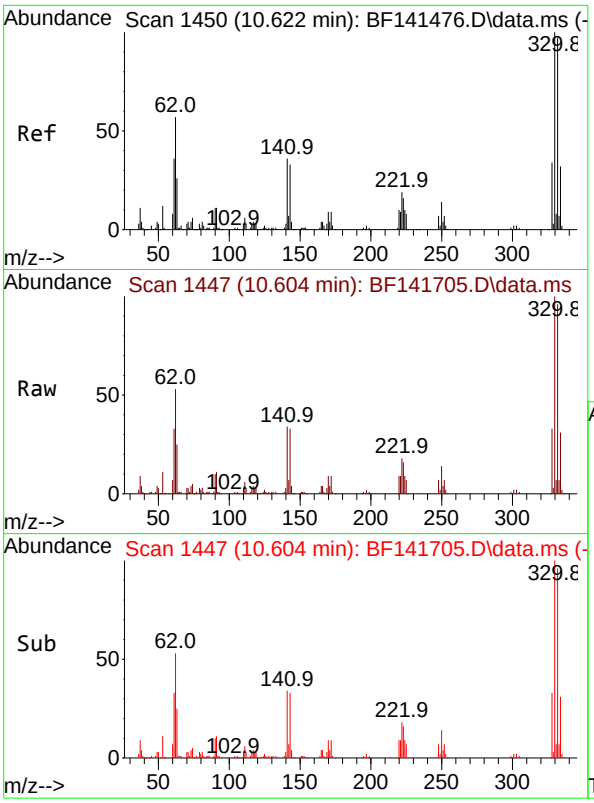


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Tgt Ion:164 Resp: 181694

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	45.1	35.9	53.9



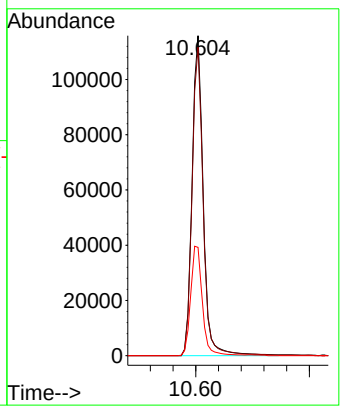


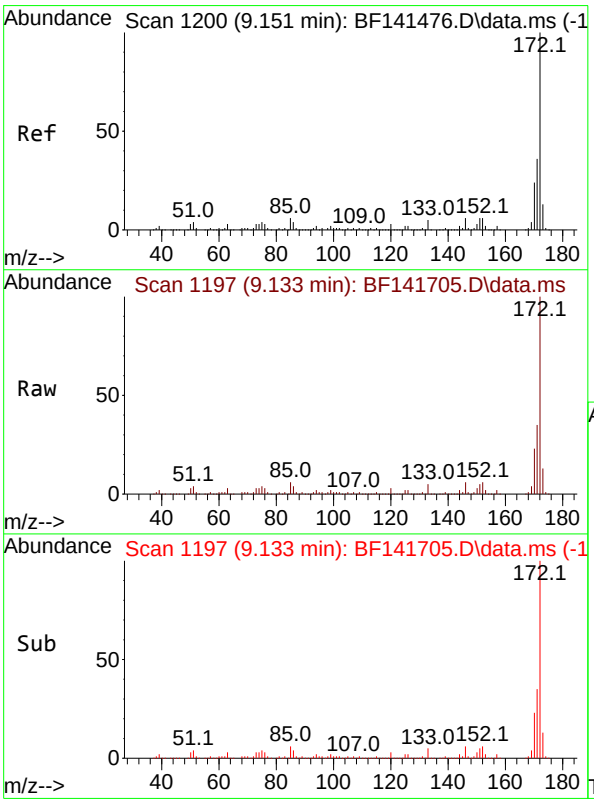
#42
2,4,6-Tribromophenol
Concen: 87.062 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Tgt Ion:330 Resp: 158905

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.5	117.7
141	36.2	31.0	46.4

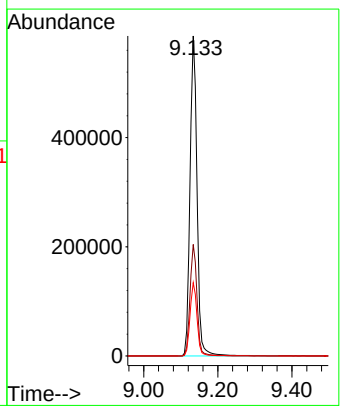


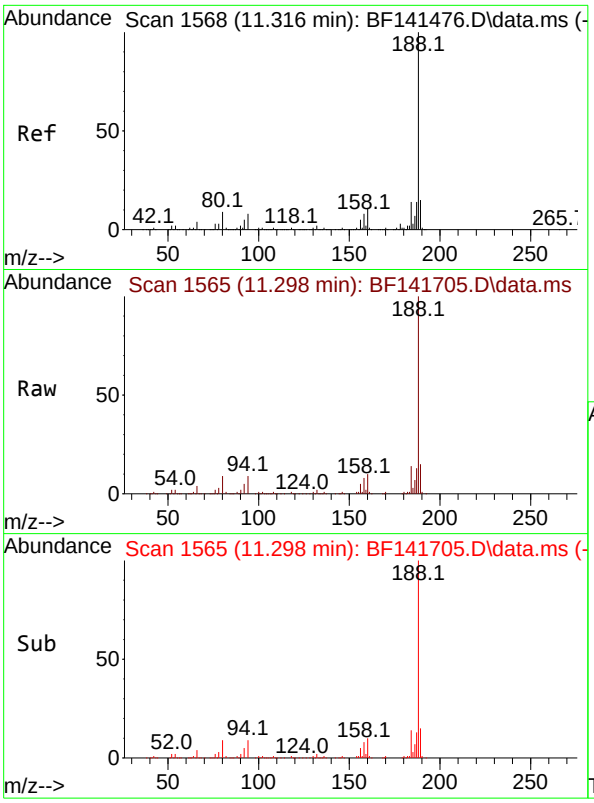


#45
2-Fluorobiphenyl
Concen: 65.357 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Tgt Ion:172 Resp: 770784

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	22.9	18.9	28.3



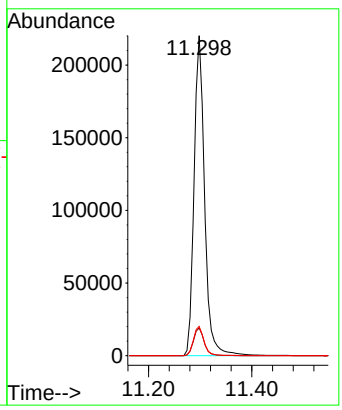


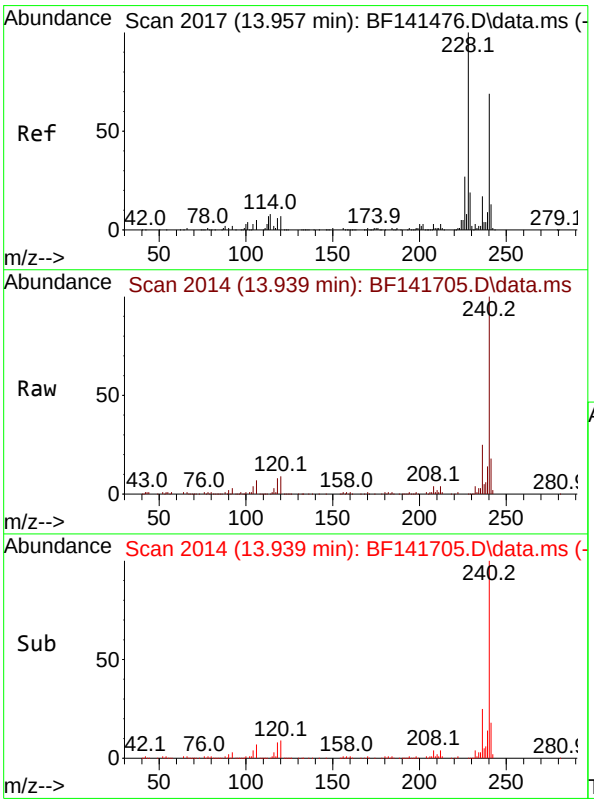
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Tgt Ion:188 Resp: 311871

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.3	10.9

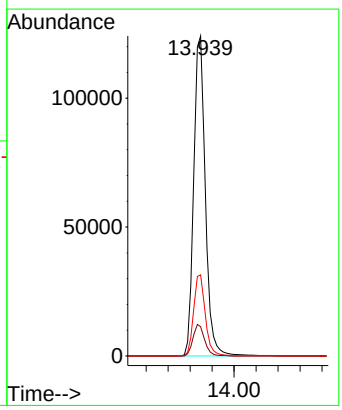


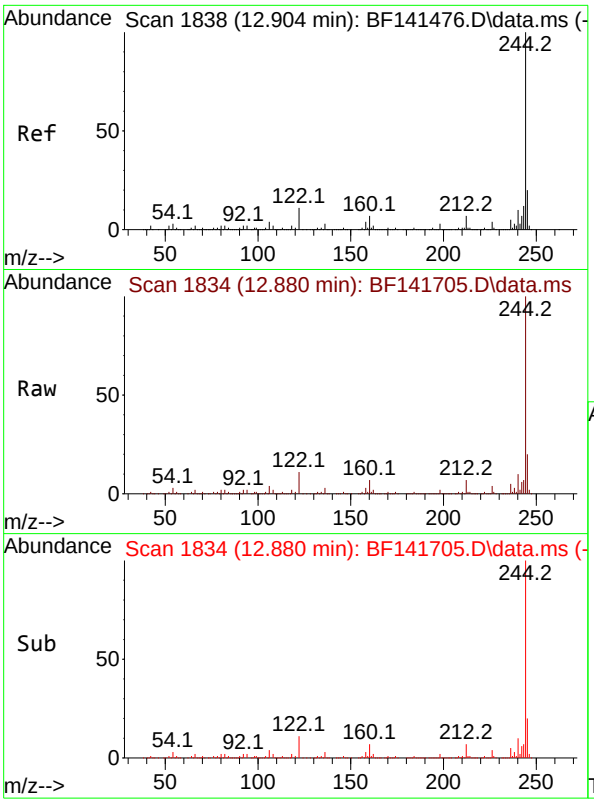


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Tgt Ion:240 Resp: 182612

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.0	12.0
236	25.3	19.8	29.8



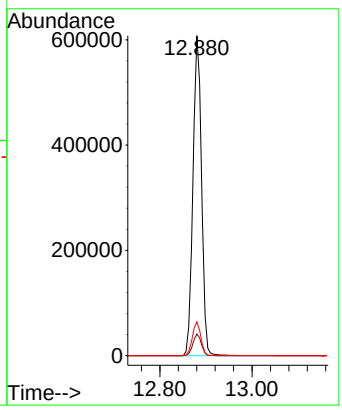


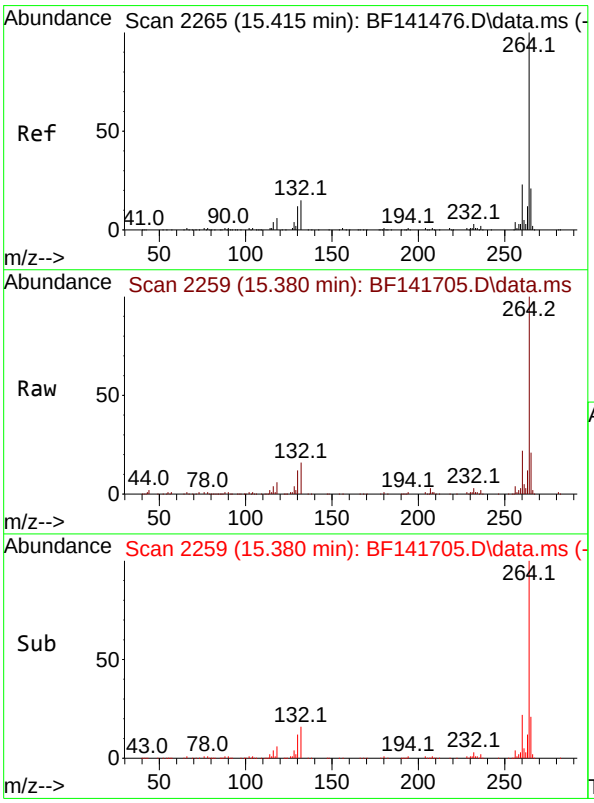
#79
Terphenyl-d14
Concen: 72.210 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Tgt Ion:244 Resp: 781103

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.6	8.4	12.6

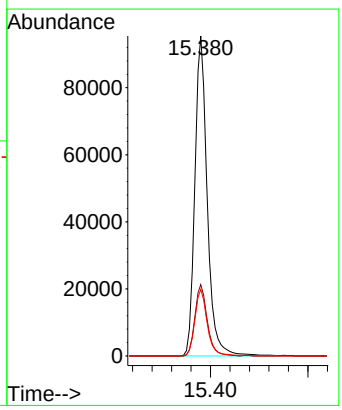




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141705.D
Acq: 20 Feb 2025 16:05

Tgt Ion:264 Resp: 168942

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.6	28.0
265	20.8	17.0	25.4



Sample Results: **BF141705.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141705.D
Acq On : 20 Feb 2025 16:05
Operator : RC/JU
Sample : Q1383-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141705.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.398	557	562	587	rBV	1315616	1882339	85.30%	12.948%
2	6.416	730	735	765	rBV	1352795	1948762	88.31%	13.405%
3	6.775	791	796	806	rBV	404812	533315	24.17%	3.668%
4	7.345	887	893	905	rBV	855831	1220242	55.30%	8.394%
5	7.616	934	939	957	rBV	15790	44179	2.00%	0.304%
6	8.063	1009	1015	1034	rBV	488348	696122	31.55%	4.788%
7	9.133	1192	1197	1210	rBV	1705849	2206651	100.00%	15.179%
8	9.810	1307	1312	1329	rBV	552486	762565	34.56%	5.245%
9	10.527	1429	1434	1441	rBV	132735	174936	7.93%	1.203%
10	10.604	1441	1447	1463	rVV	898652	1266344	57.39%	8.711%
11	11.298	1560	1565	1584	rVB	542692	763222	34.59%	5.250%
12	11.827	1650	1655	1679	rBV2	28240	70416	3.19%	0.484%
13	12.880	1828	1834	1845	rBV	1592742	2028604	91.93%	13.954%
14	13.815	1984	1993	1997	rBV8	8744	28835	1.31%	0.198%
15	13.939	2008	2014	2027	rVB	329235	484167	21.94%	3.330%
16	15.380	2253	2259	2271	rBV	247461	427200	19.36%	2.939%

Sum of corrected areas: 14537899

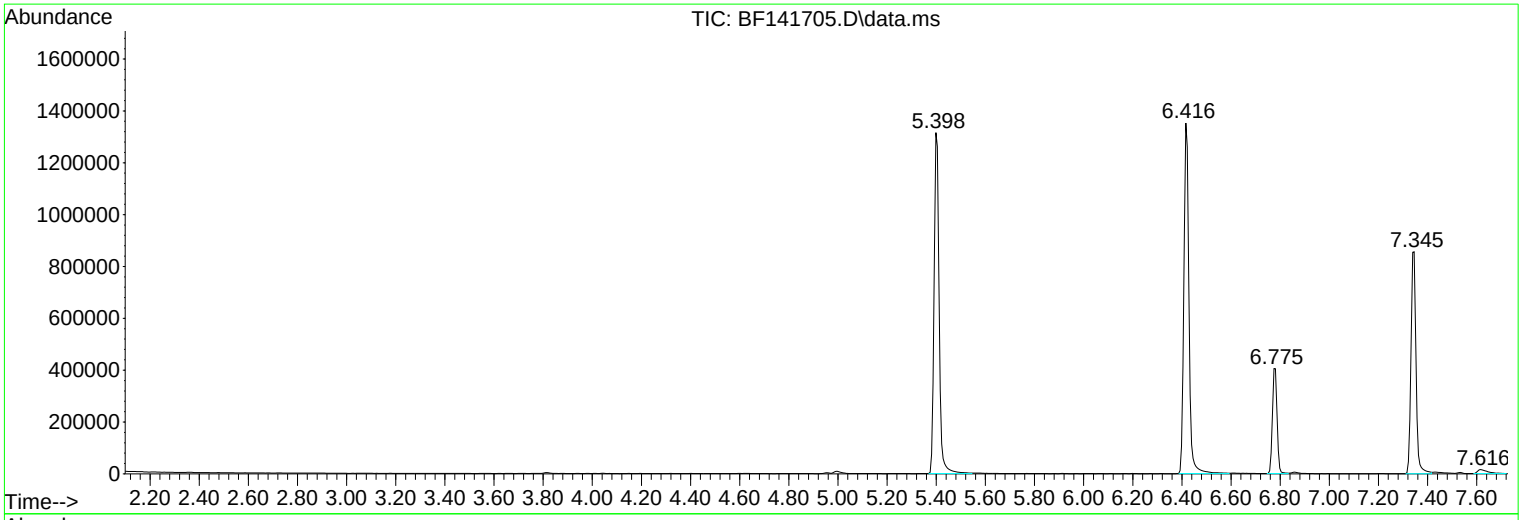
Sample Results: **BF141705.D**

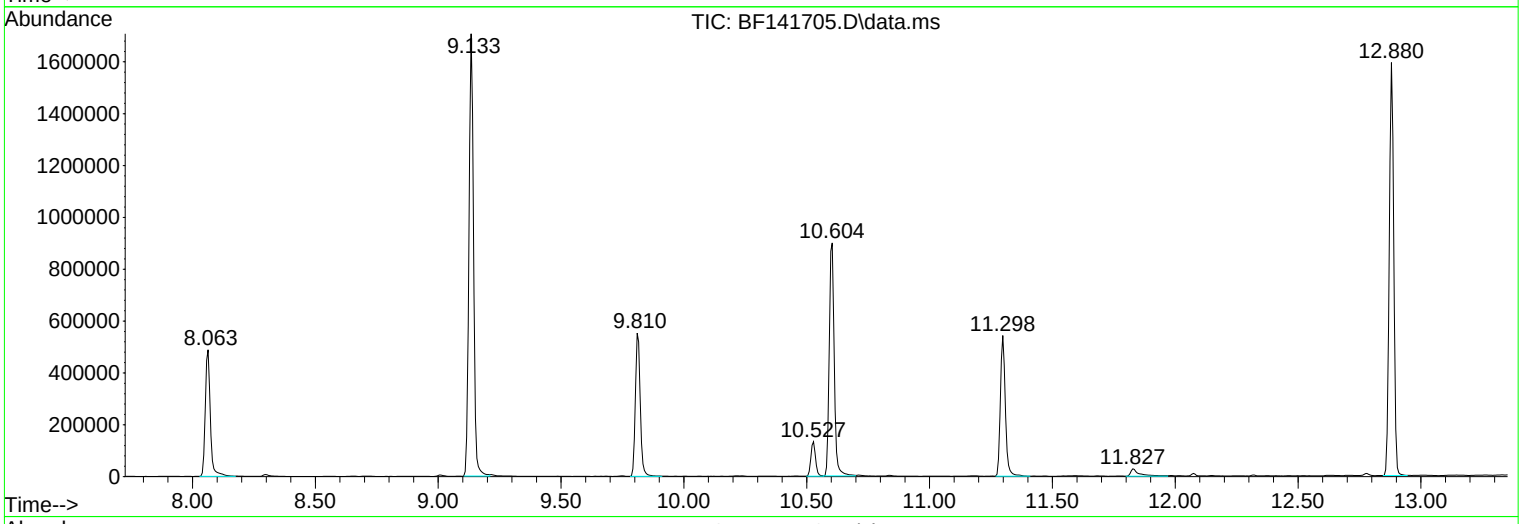
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141705.D
Acq On : 20 Feb 2025 16:05
Operator : RC/JU
Sample : Q1383-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

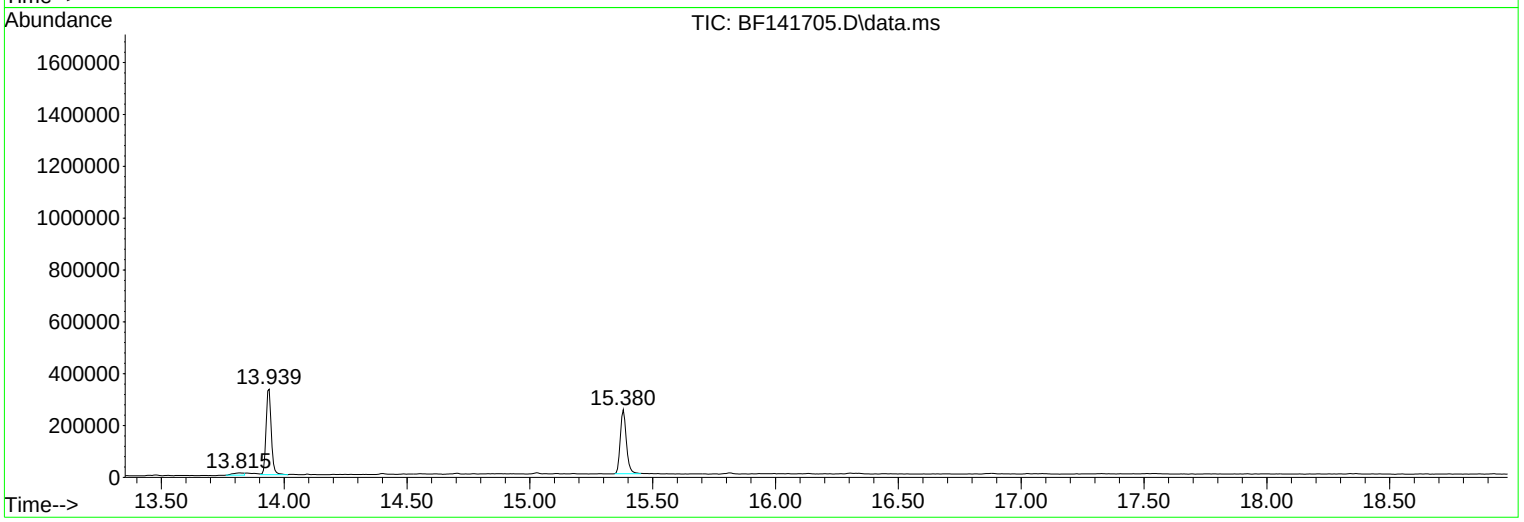
Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141705.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141705.D
Acq On : 20 Feb 2025 16:05
Operator : RC/JU
Sample : Q1383-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141705.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141705.D
Acq On : 20 Feb 2025 16:05
Operator : RC/JU
Sample : Q1383-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-CF-15-021725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

CALIBRATION SUMMARY

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

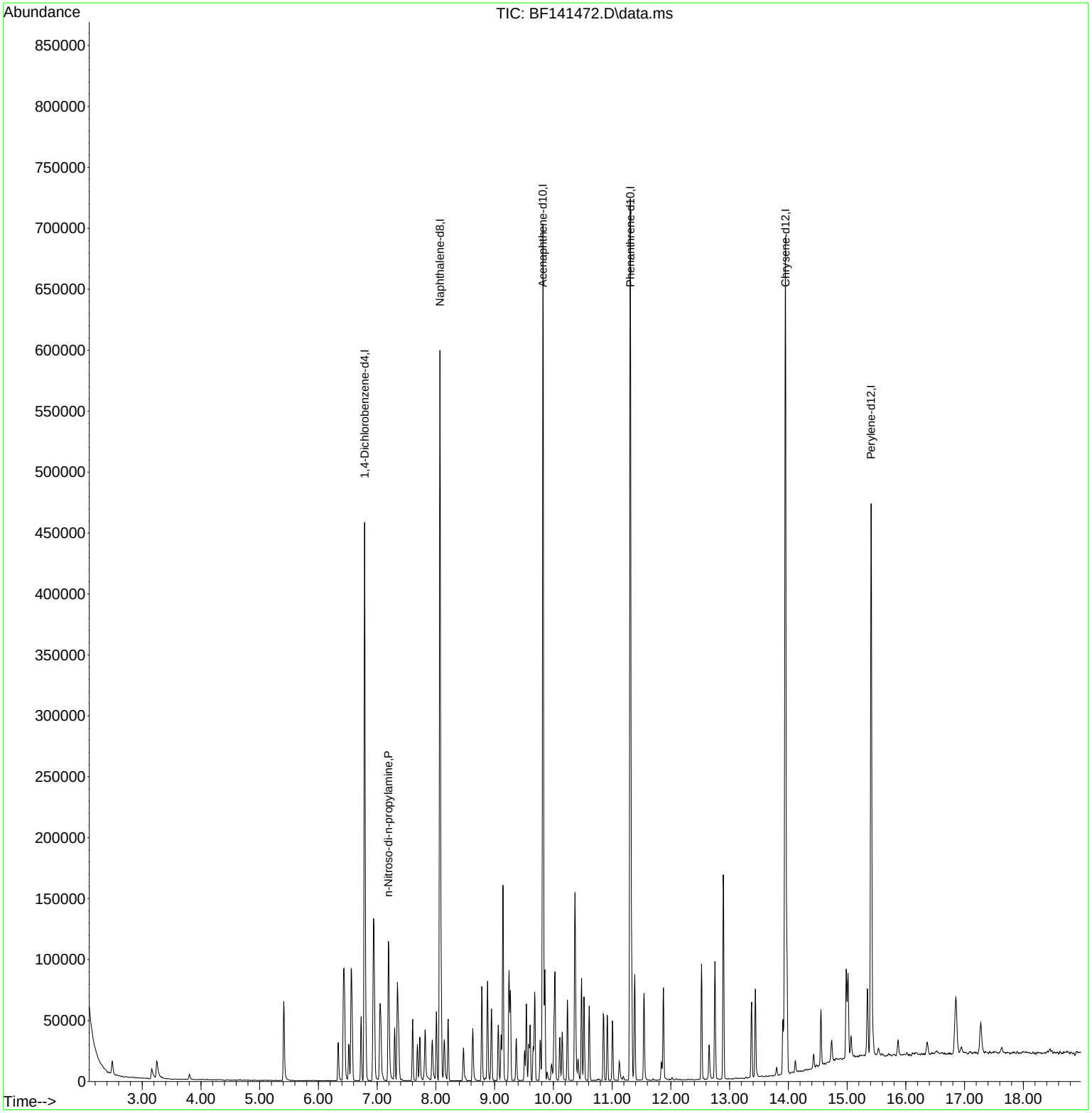
(#) = qualifier out of range (m) = manual integration (+) = signals summed

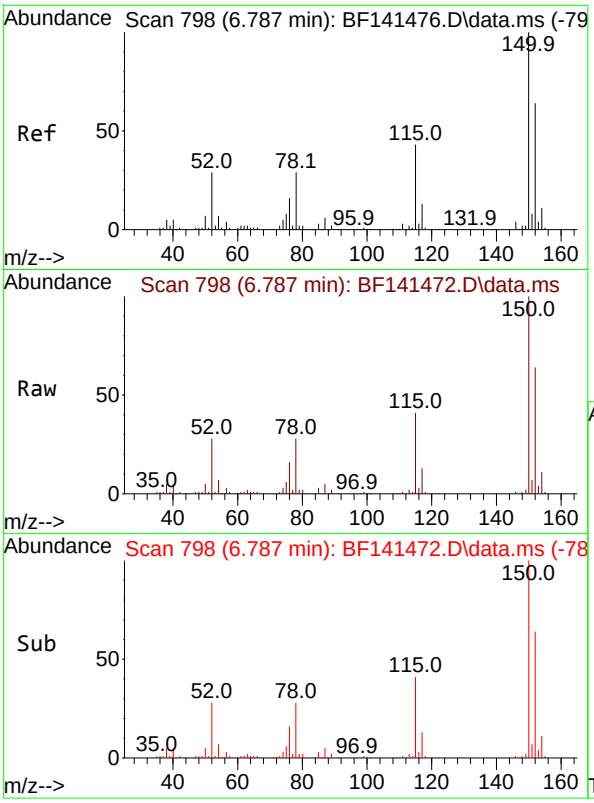
ICAL Form

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



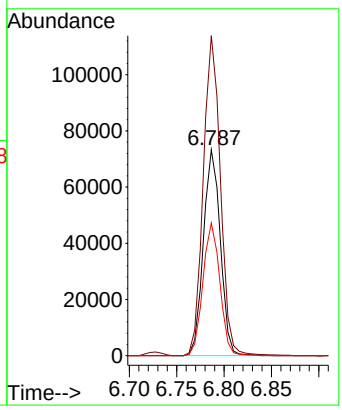


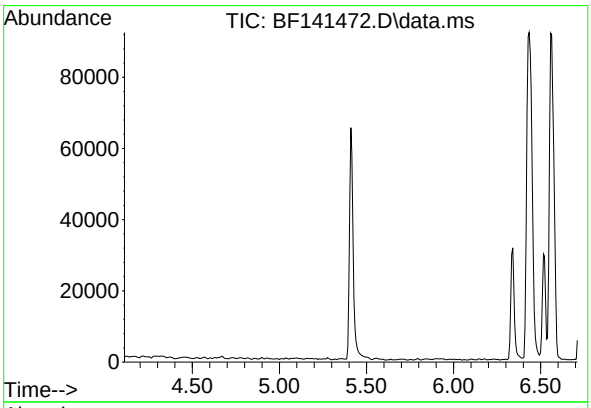
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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



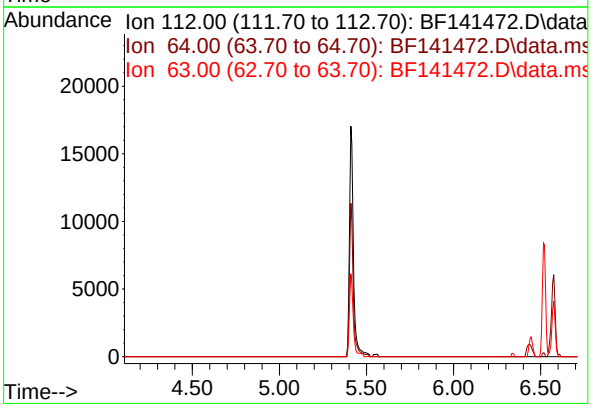


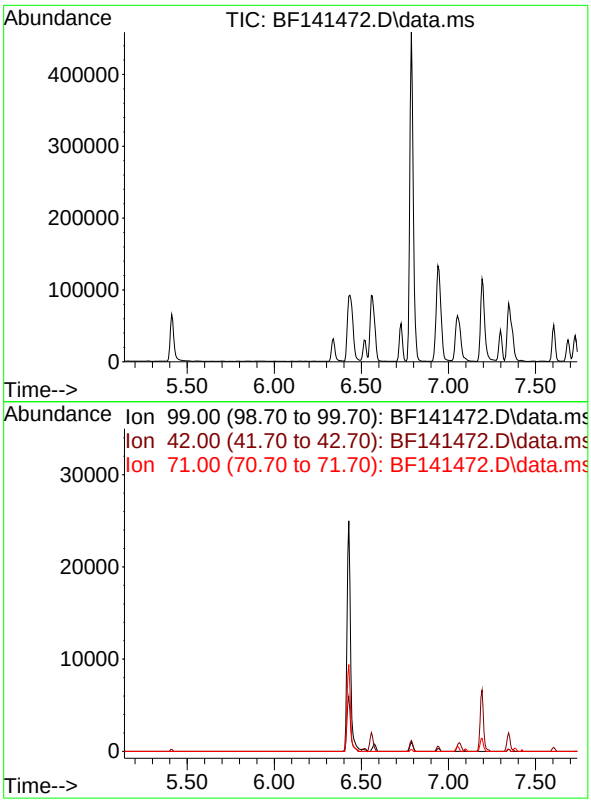
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	63.9
63	35.5





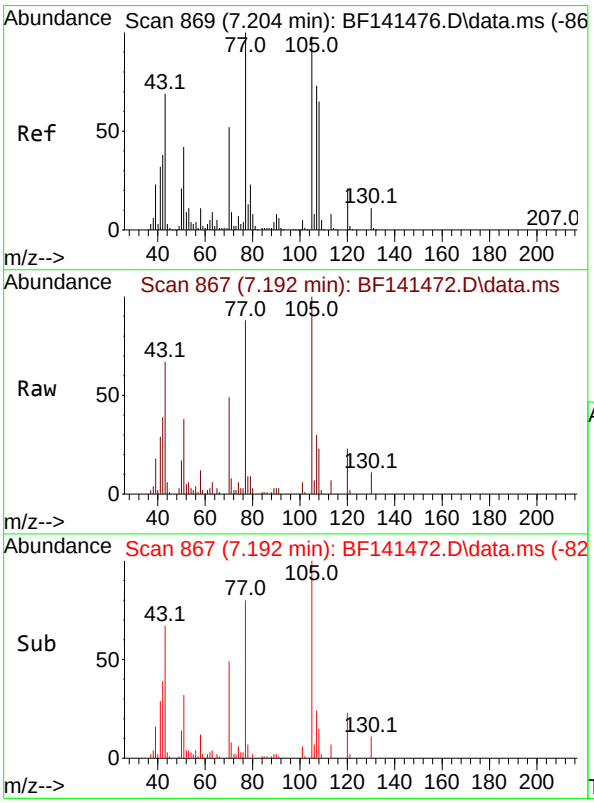
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.44 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

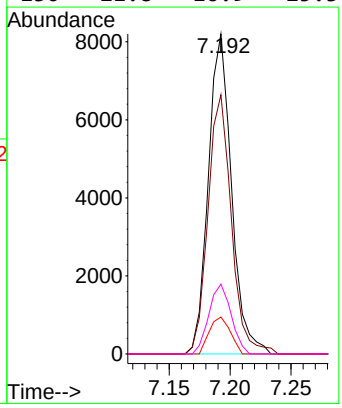
Sig	Exp Ratio
99	100
42	23.9
71	38.9

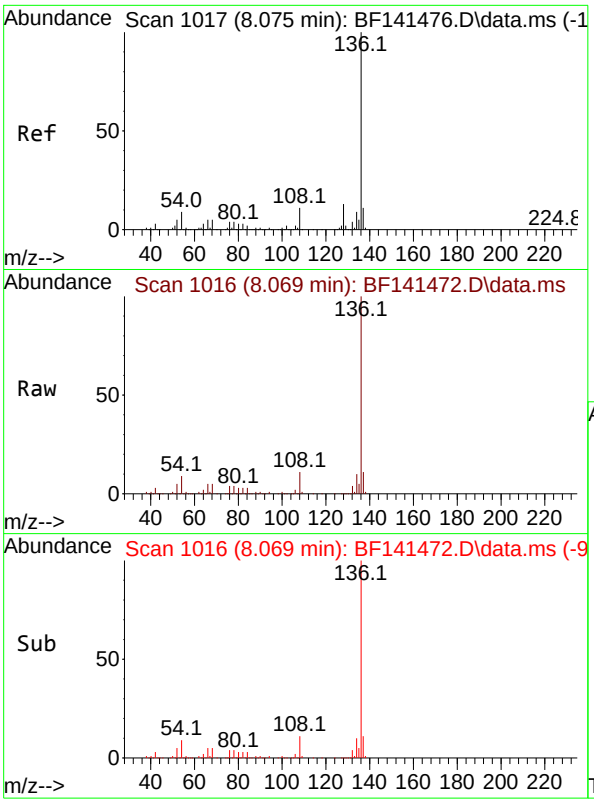


#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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



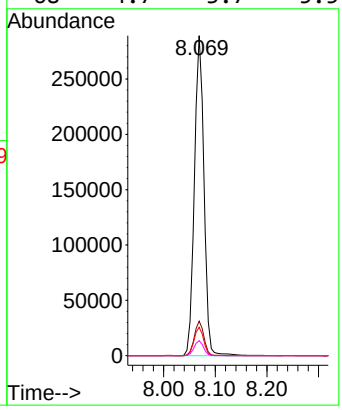


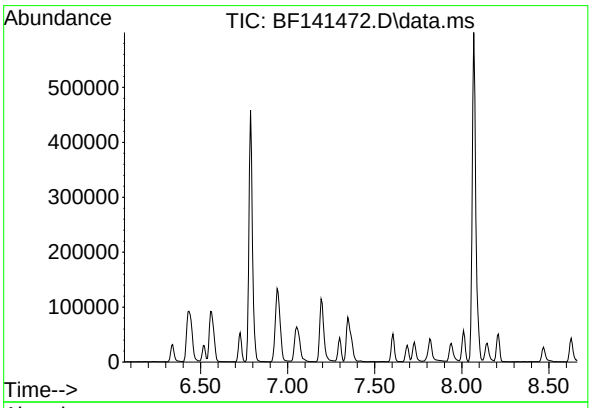
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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



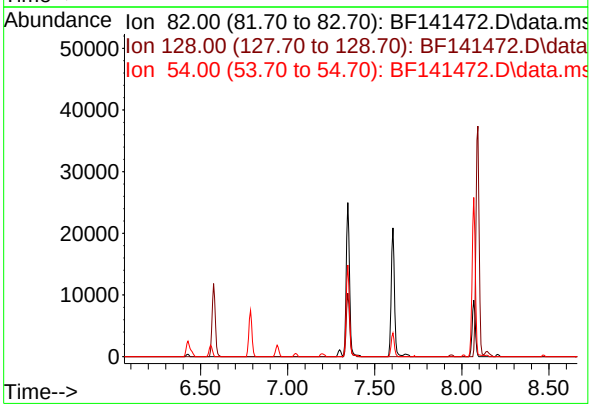


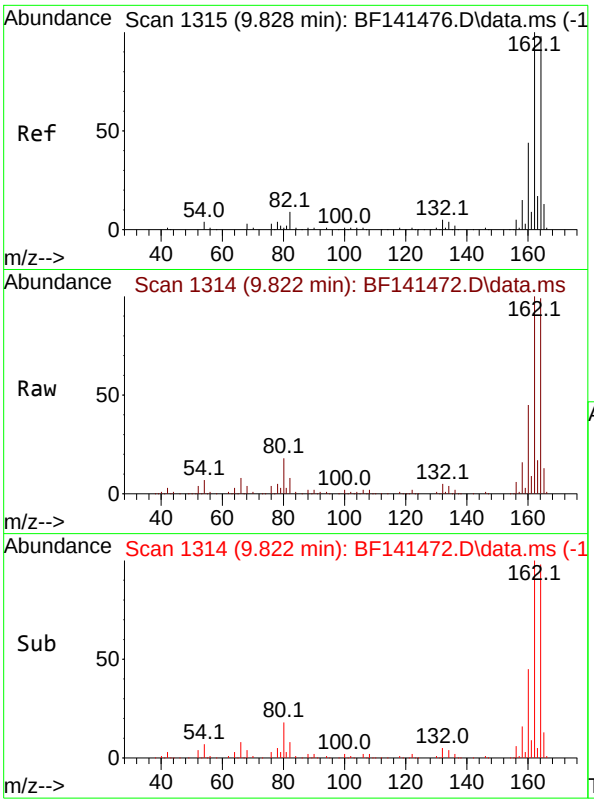
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.5
54	60.3



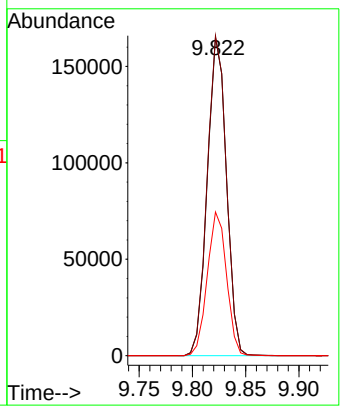


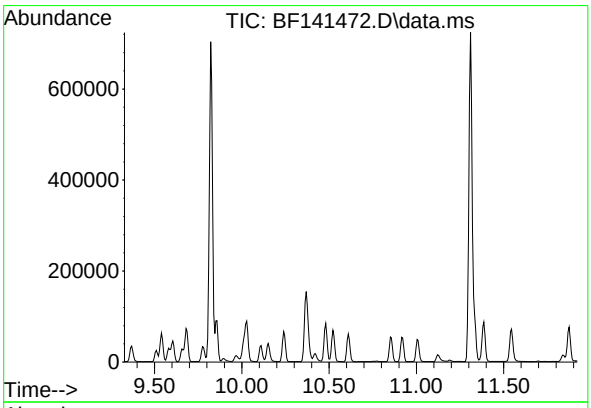
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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



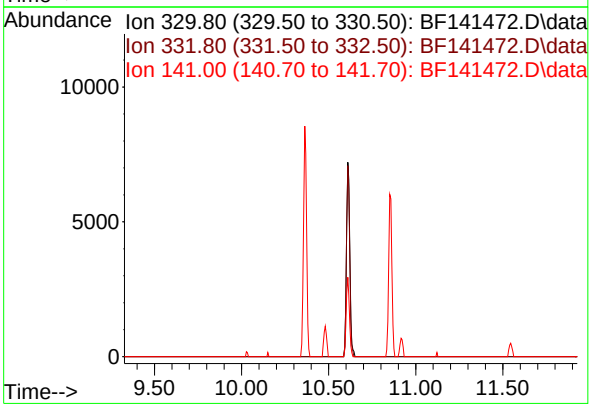


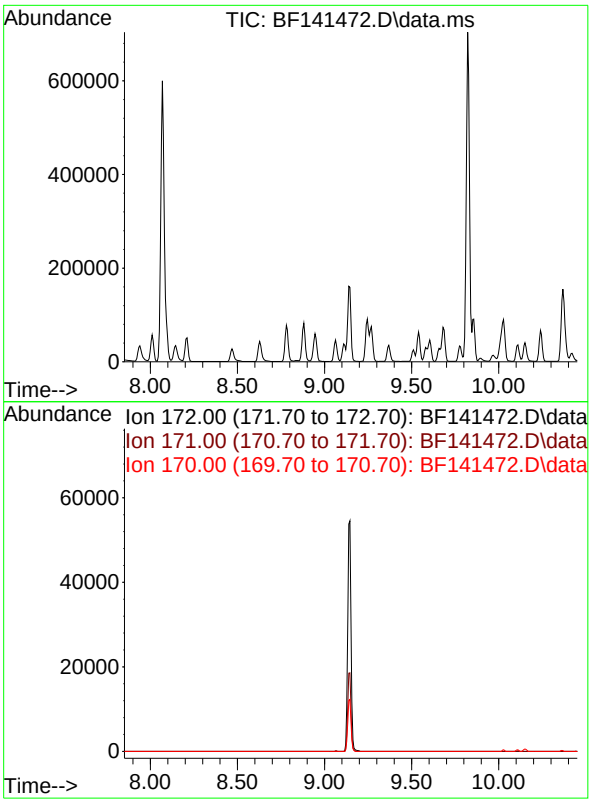
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	98.1
141	38.7





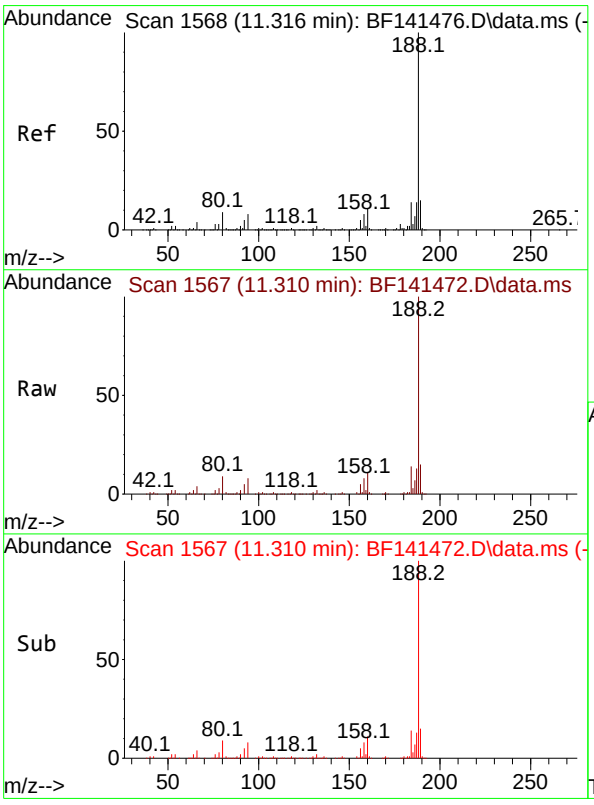
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.15 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

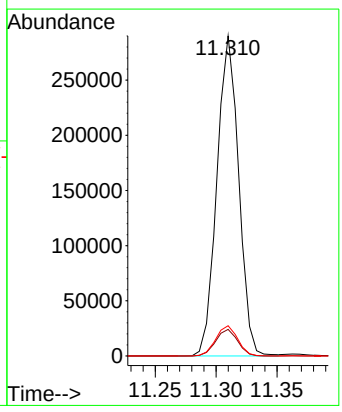
Sig	Exp Ratio
172	100
171	35.9
170	23.6

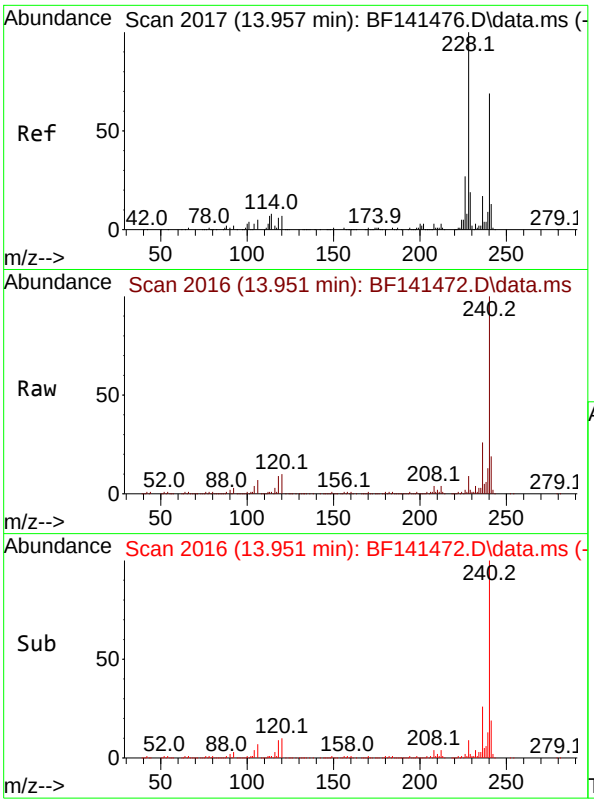


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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



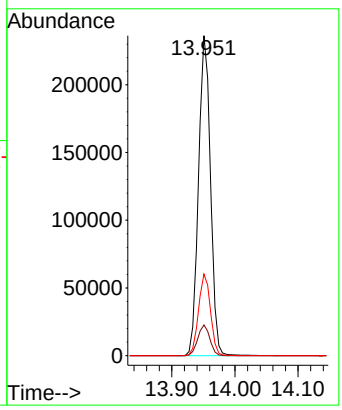


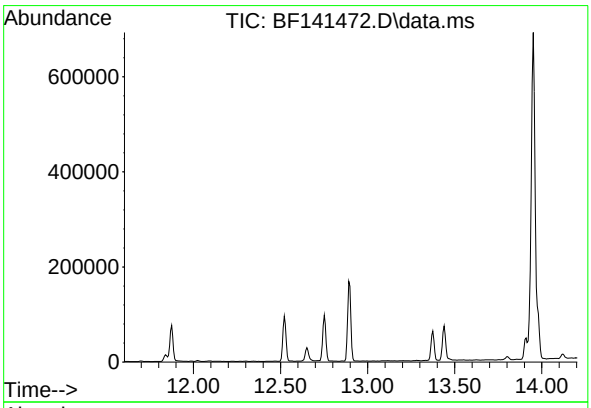
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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



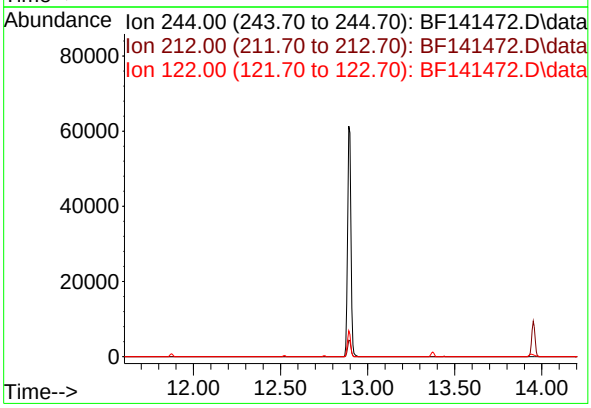


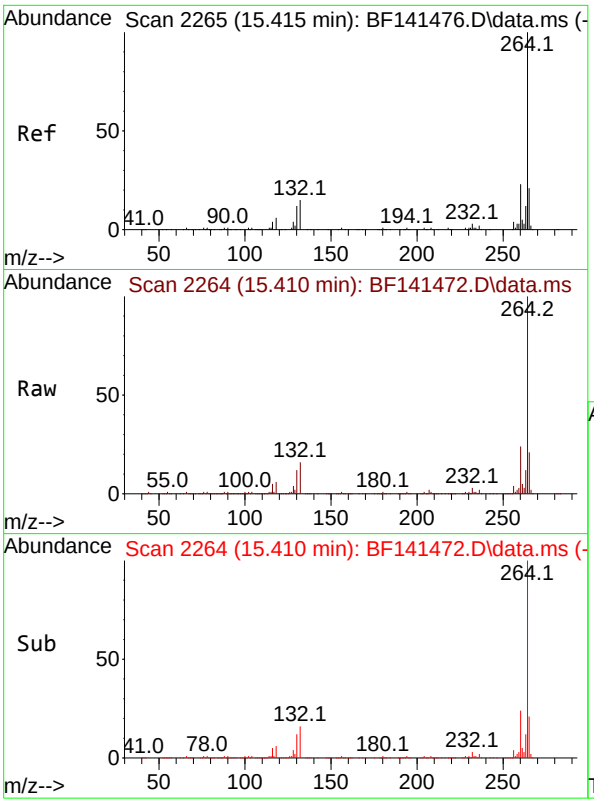
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	10.5



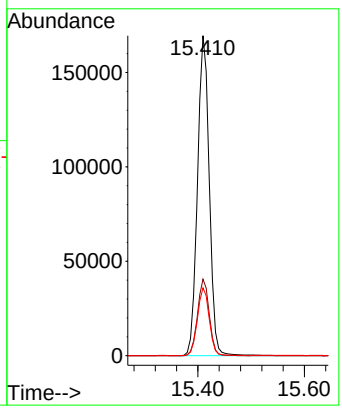


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

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

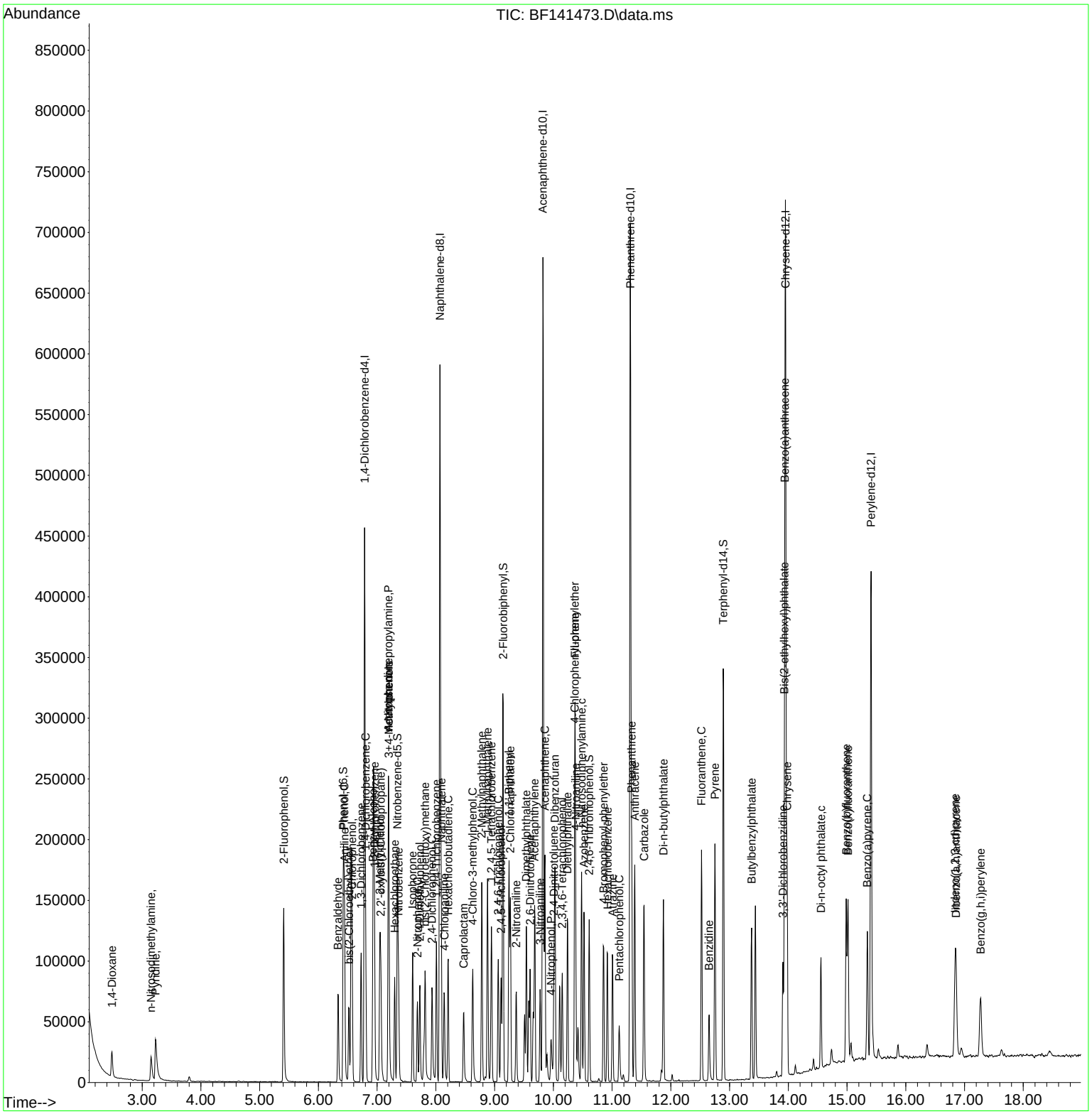
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.269	162	58201	5.088	ng		100
48) 2-Nitroaniline	9.369	65	18494	4.818	ng		98
49) Acenaphthylene	9.681	152	86721	5.097	ng		100
50) Dimethylphthalate	9.539	163	68921	5.088	ng		99
51) 2,6-Dinitrotoluene	9.604	165	14394	4.861	ng		94
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

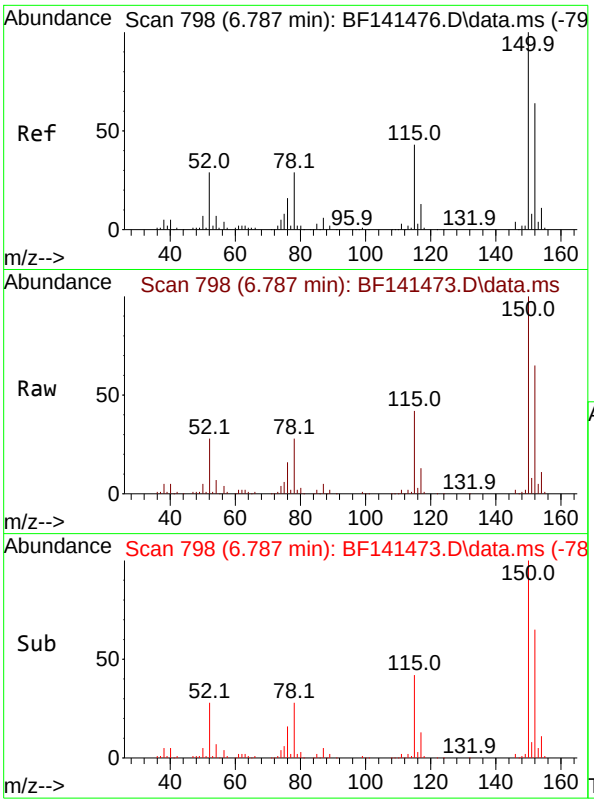
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



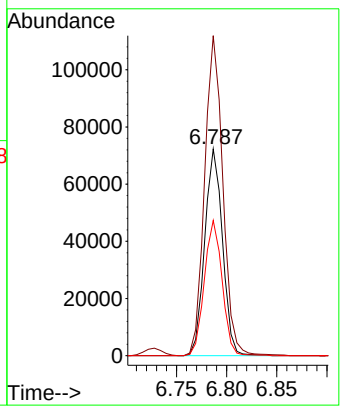


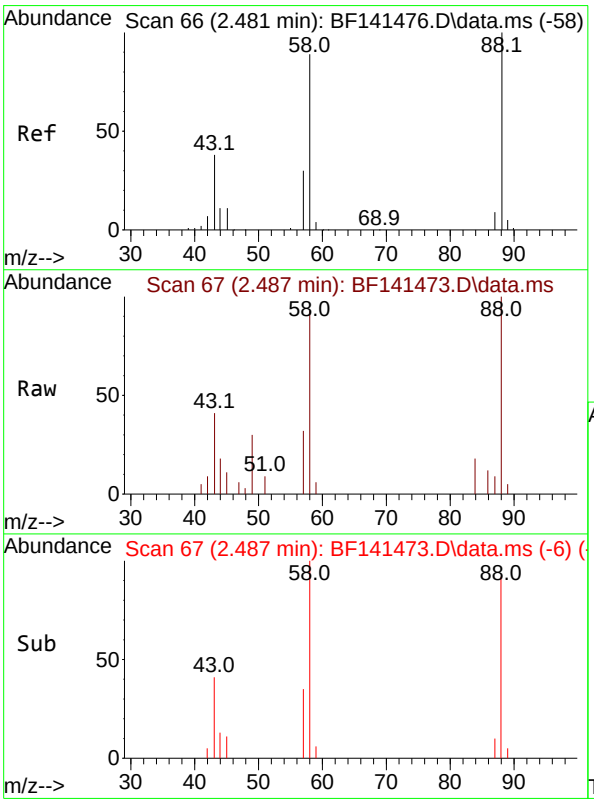
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

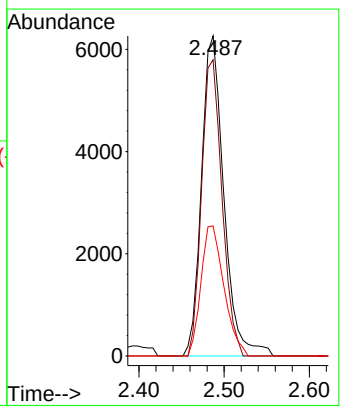


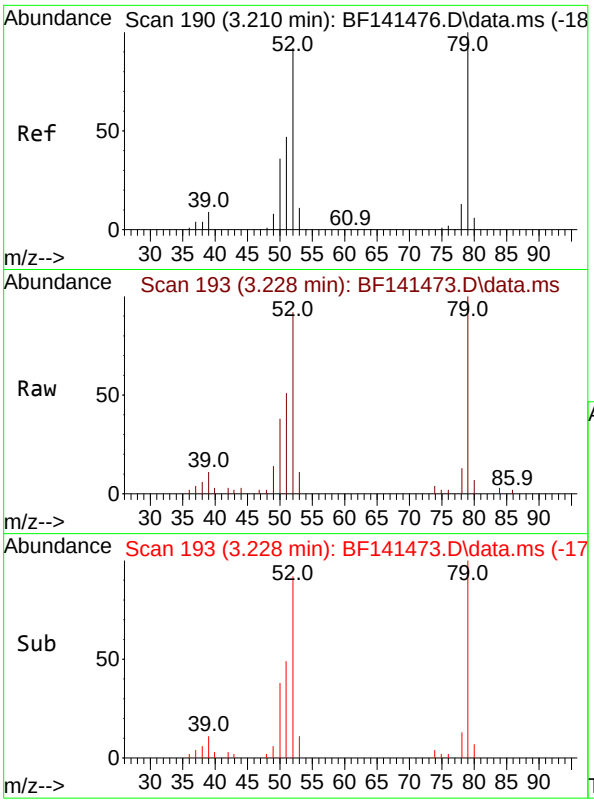


#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



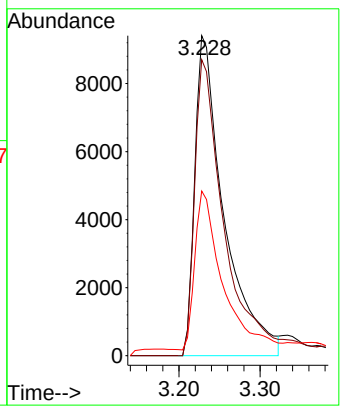


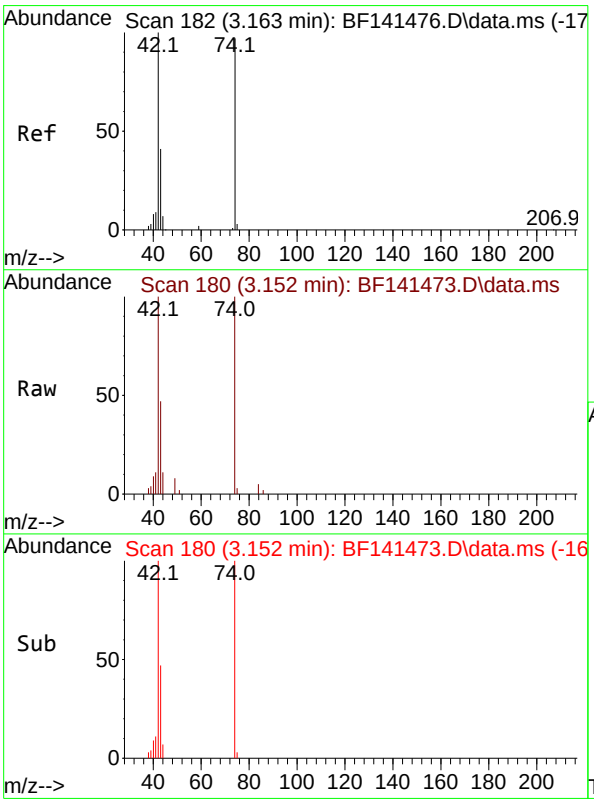
#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

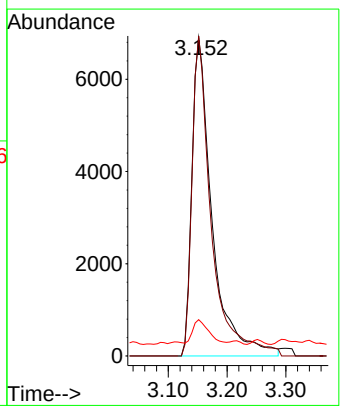


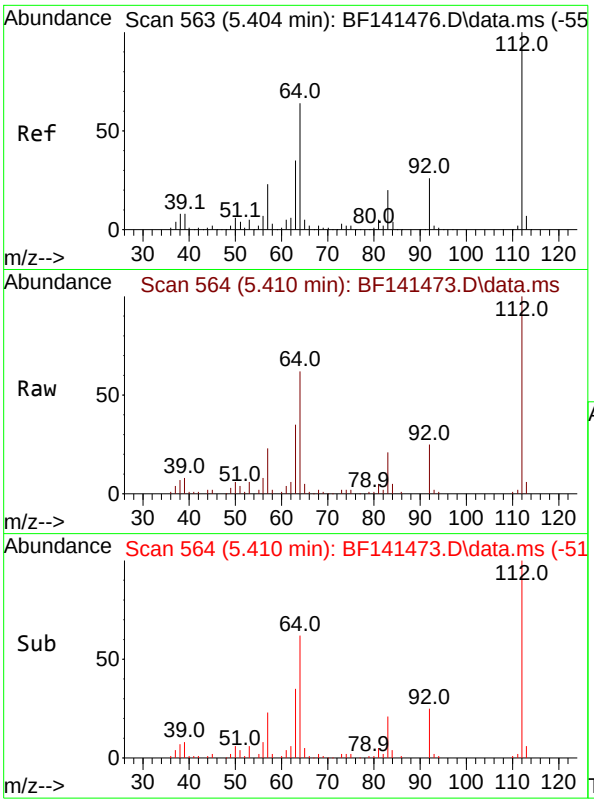


#4
n-Nitrosodimethylamine
Concen: 4.558 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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#



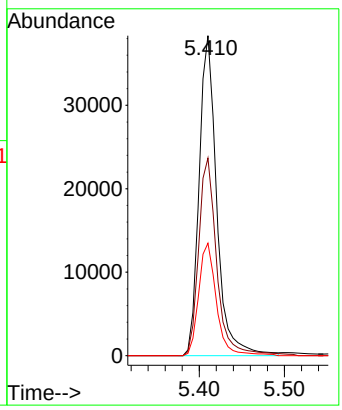


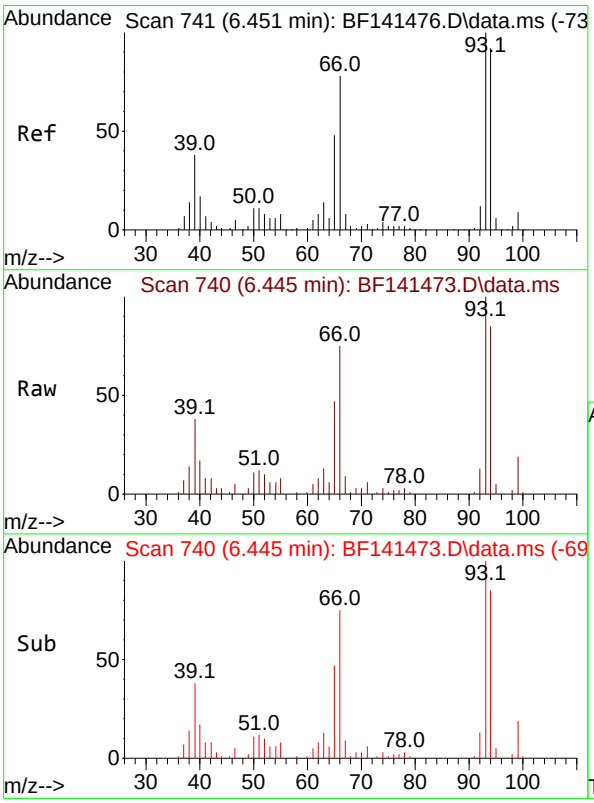
#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

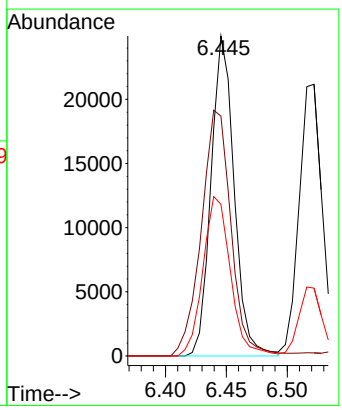


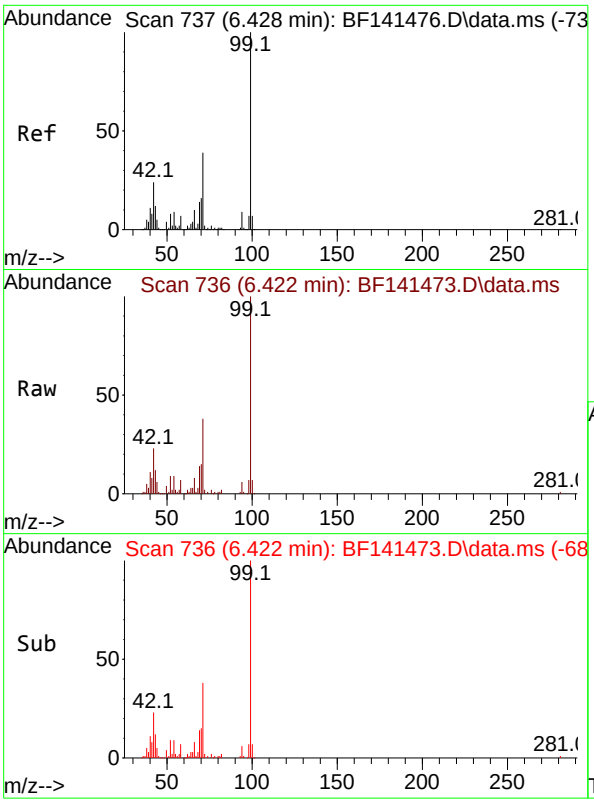


#6
Aniline
Concen: 4.880 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



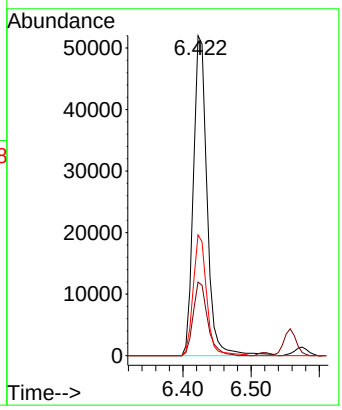


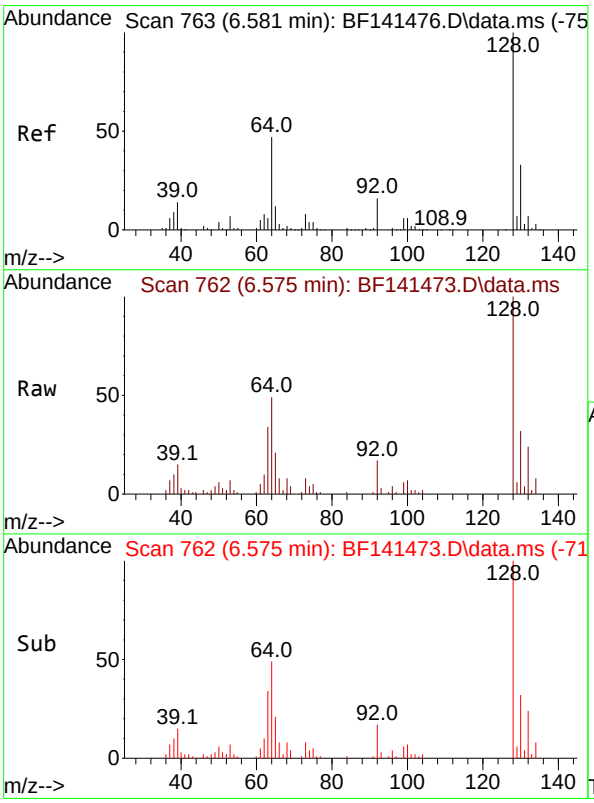
#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

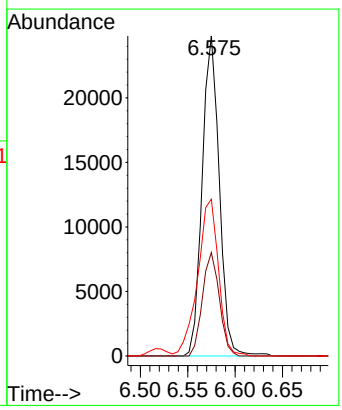


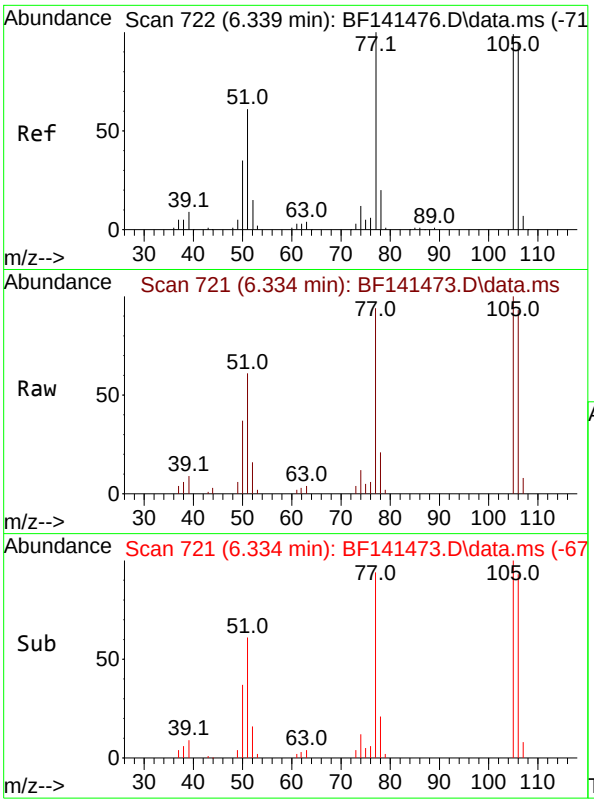


#8
2-Chlorophenol
Concen: 5.074 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



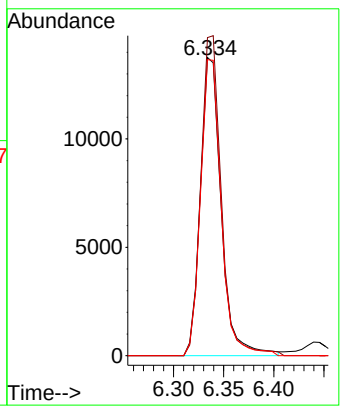


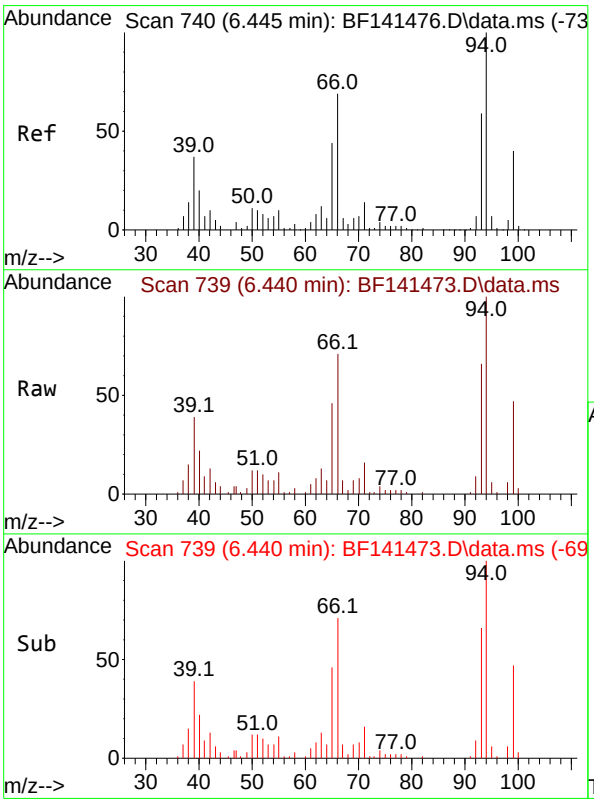
#9
Benzaldehyde
Concen: 5.207 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

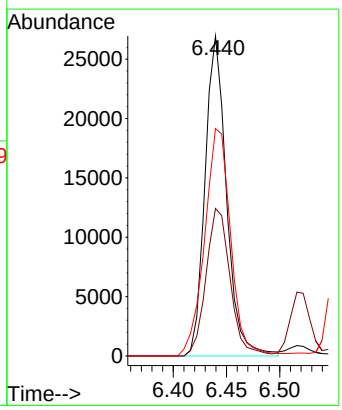


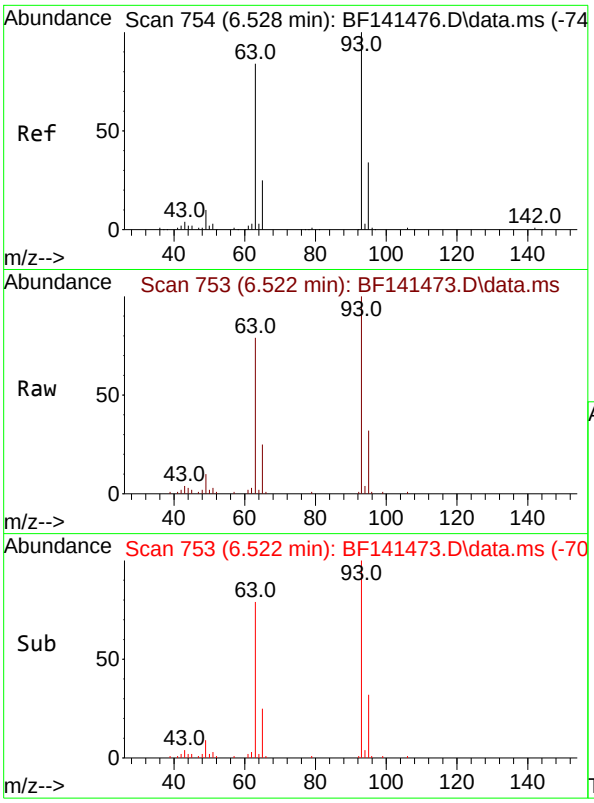


#10
Phenol
Concen: 5.044 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



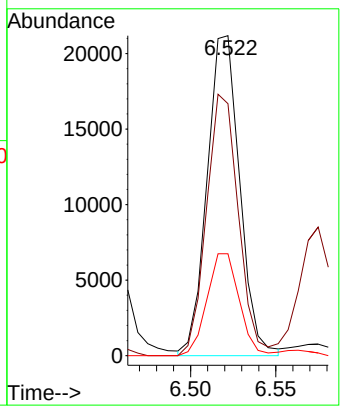


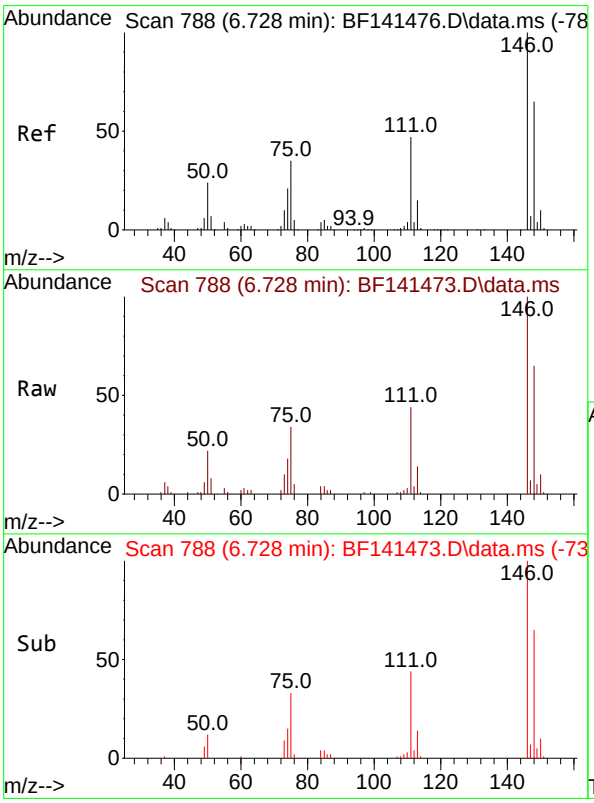
#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

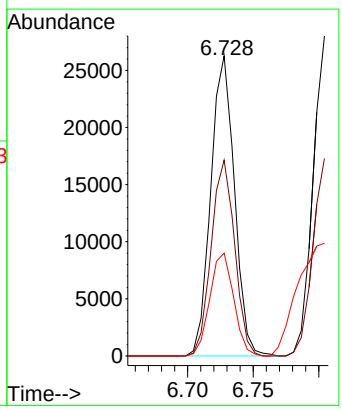


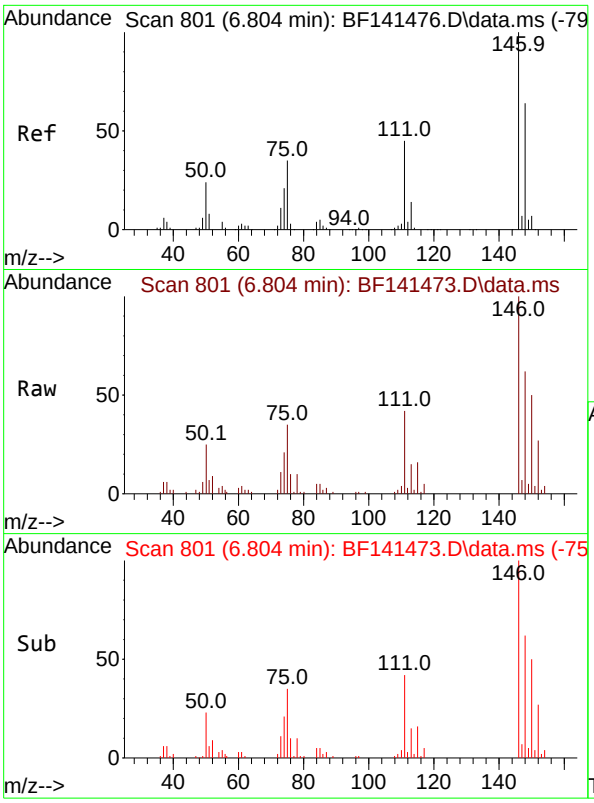


#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



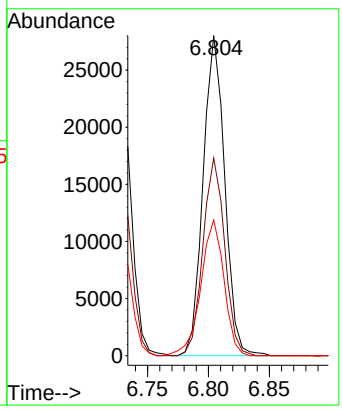


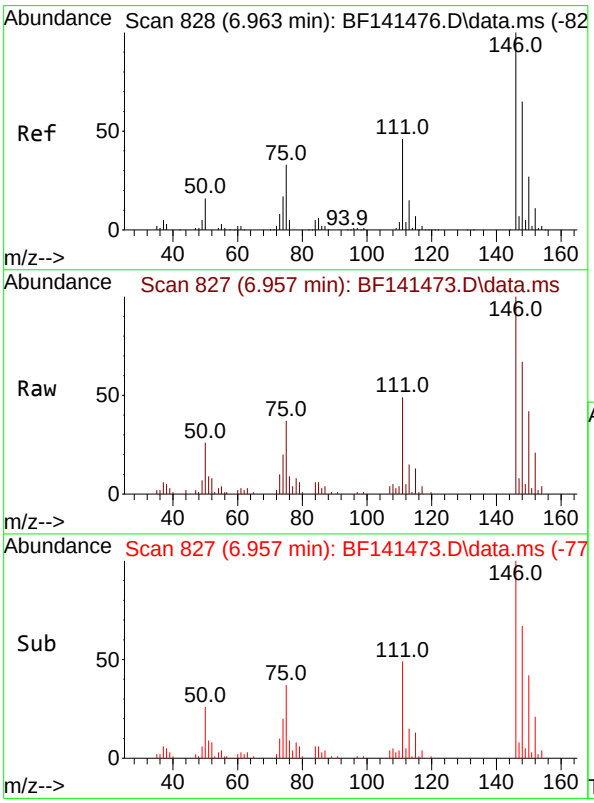
#13
1,4-Dichlorobenzene
Concen: 5.199 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

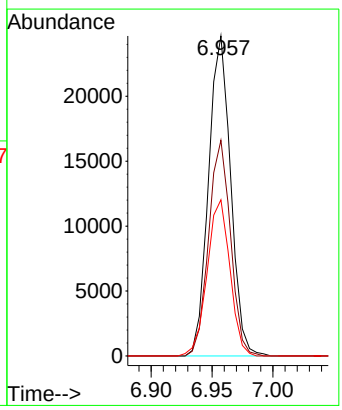


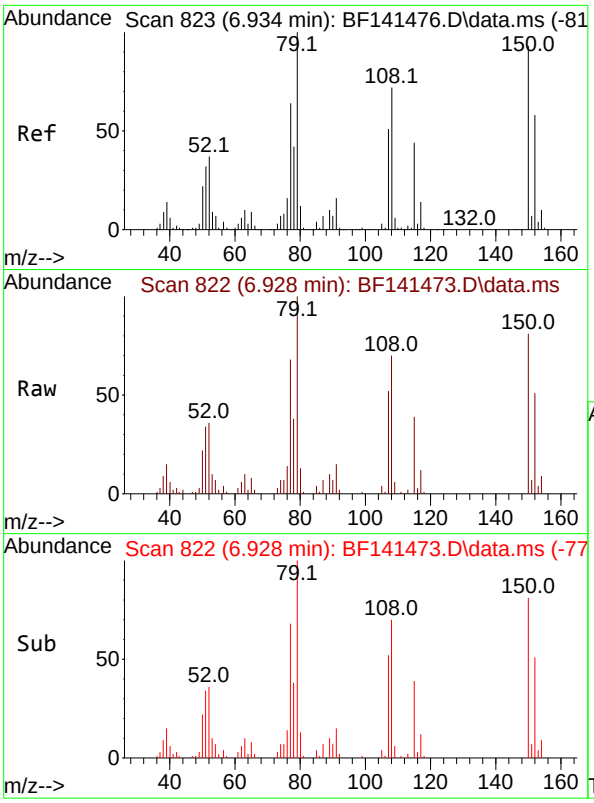


#14
1,2-Dichlorobenzene
Concen: 5.049 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



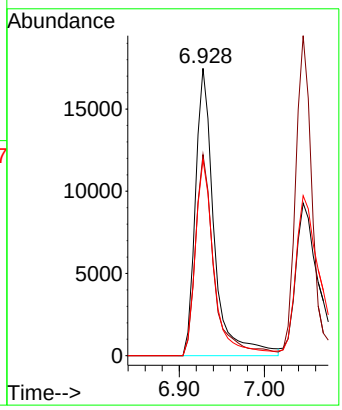


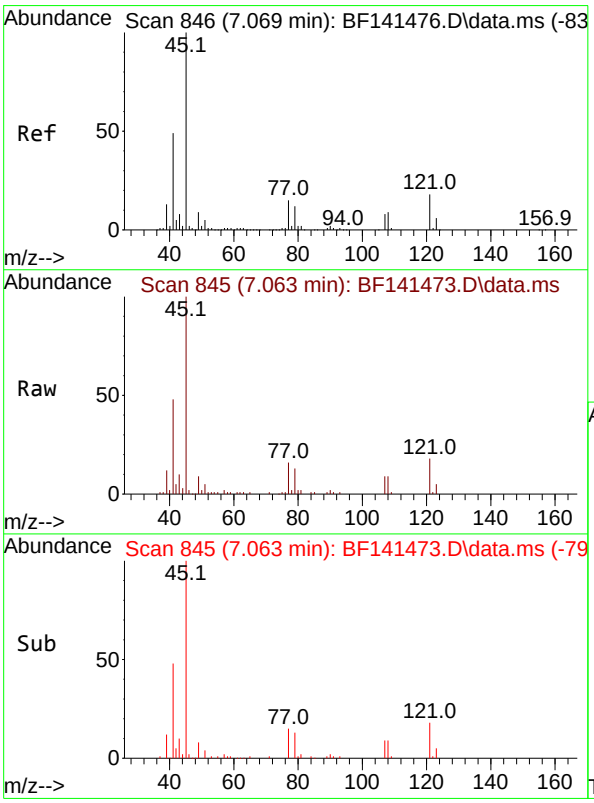
#15
Benzyl Alcohol
Concen: 4.815 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

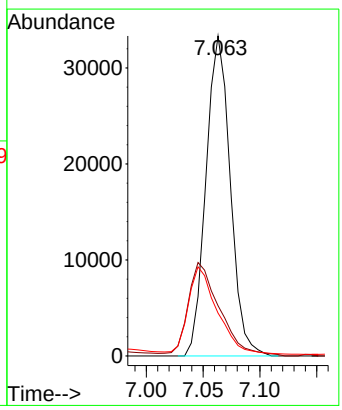


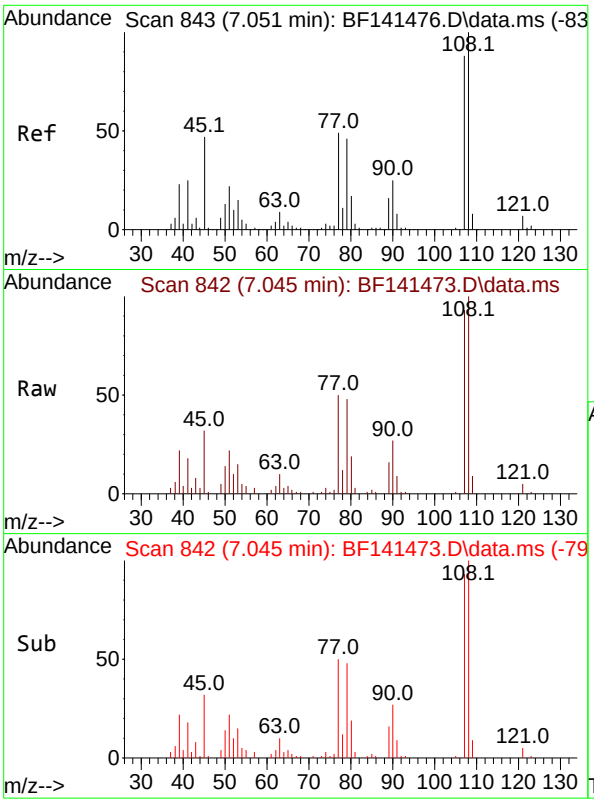


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.150 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



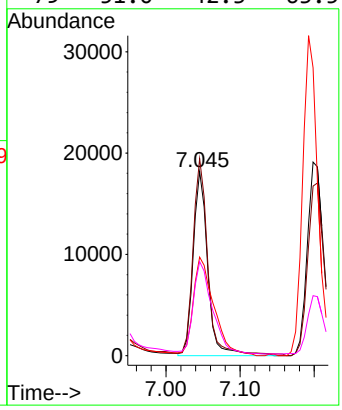


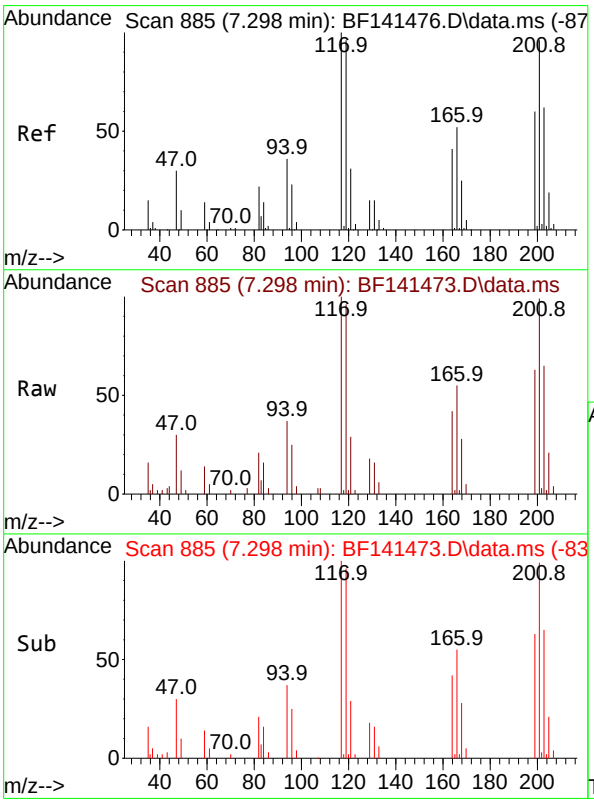
#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

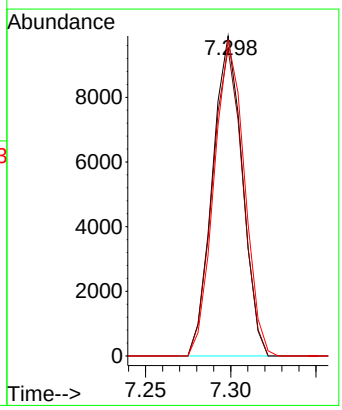


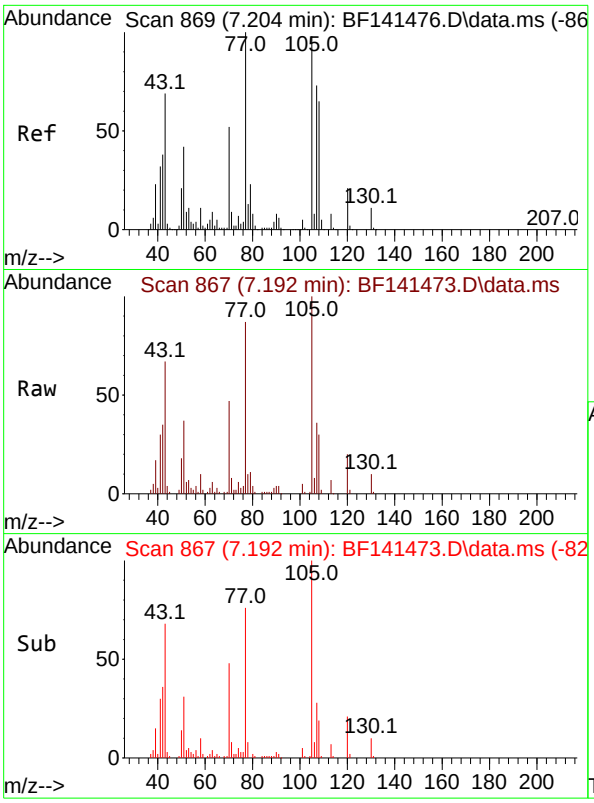


#18
Hexachloroethane
Concen: 4.896 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



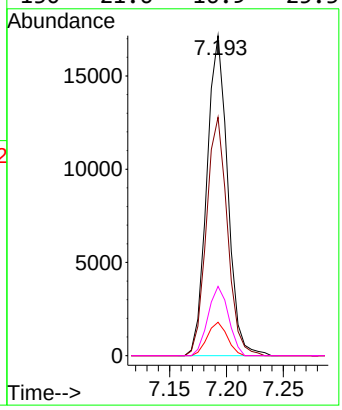


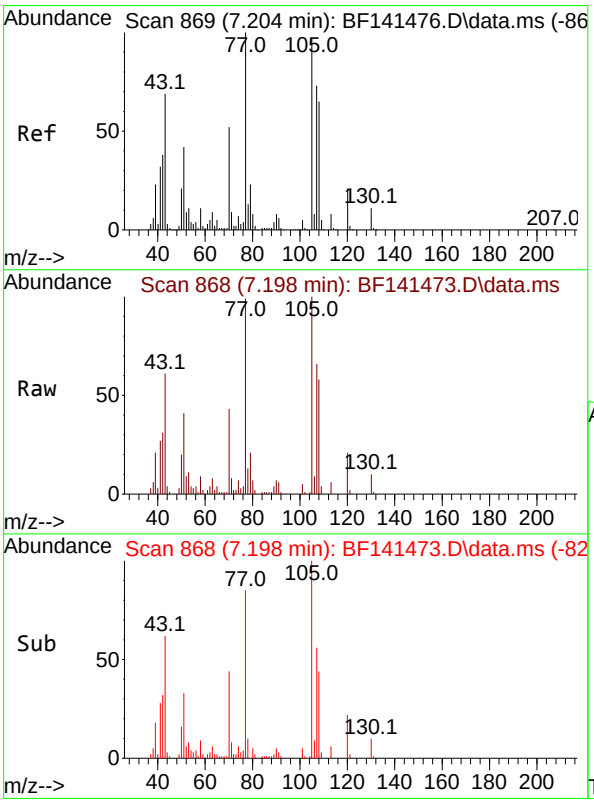
#19
n-Nitroso-di-n-propylamine
Concen: 5.072 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

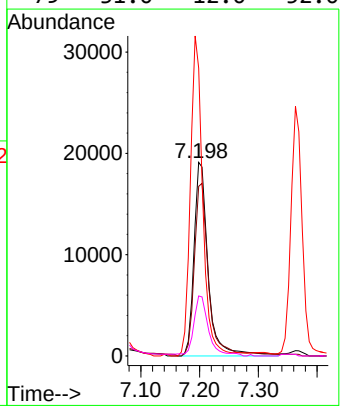


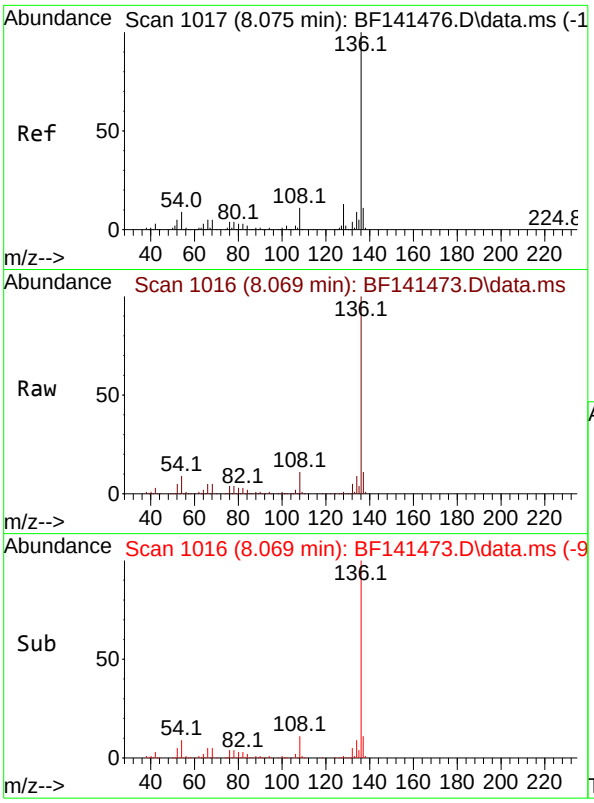


#20
3+4-Methylphenols
Concen: 5.258 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



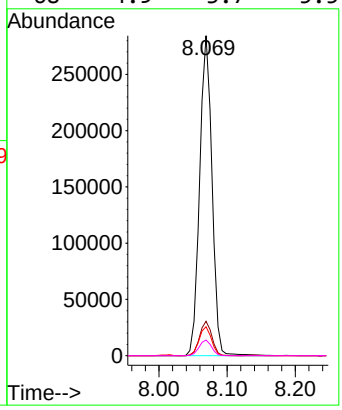


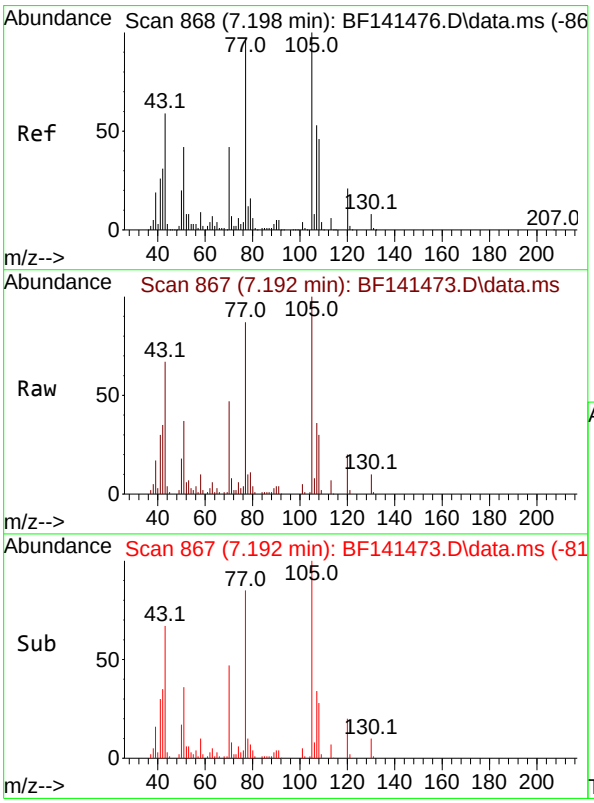
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

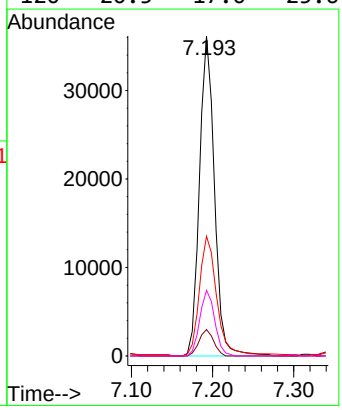


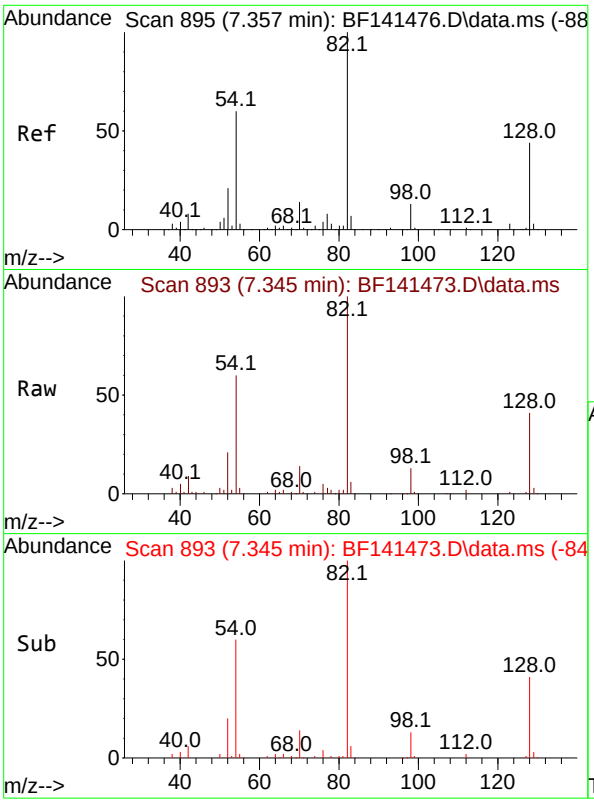


#22
Acetophenone
Concen: 5.201 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



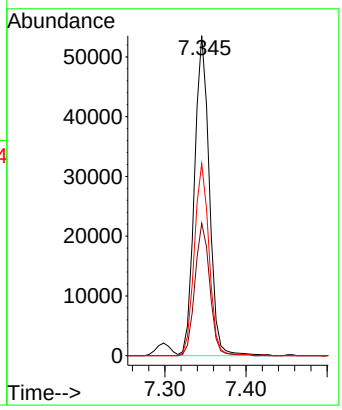


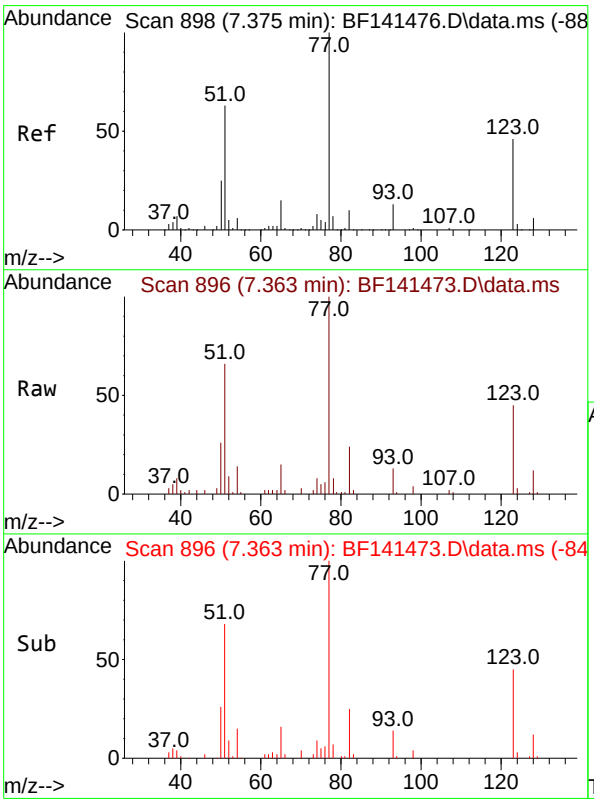
#23
Nitrobenzene-d5
Concen: 9.918 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

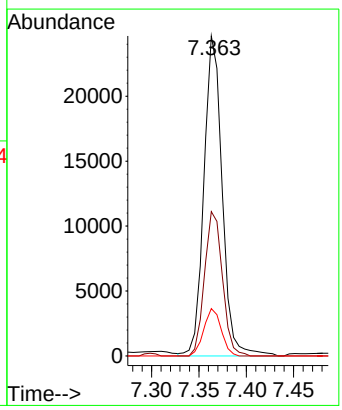


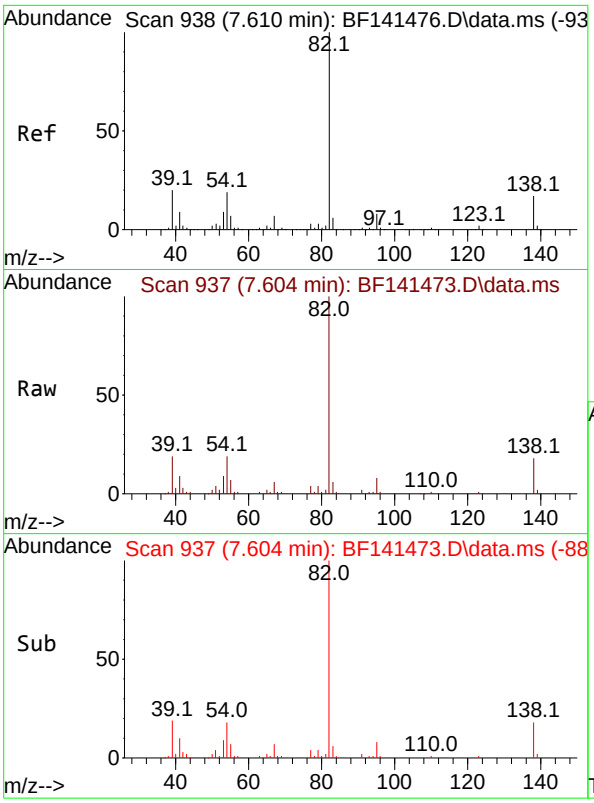


#24
Nitrobenzene
Concen: 4.943 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



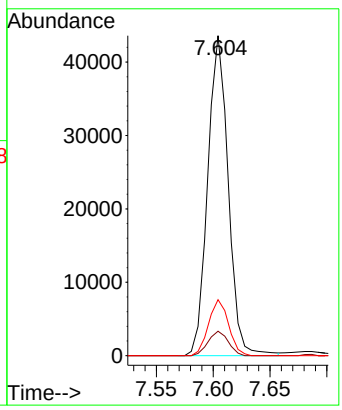


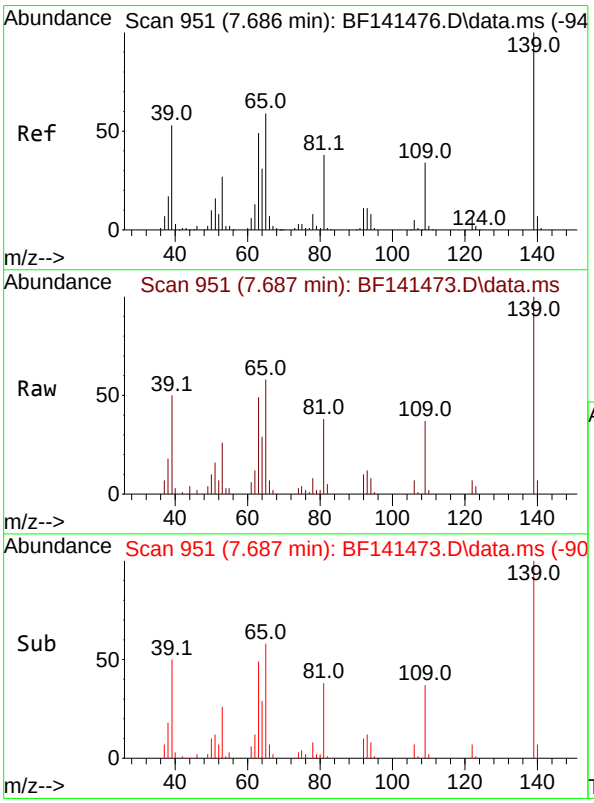
#25
Isophorone
Concen: 4.993 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

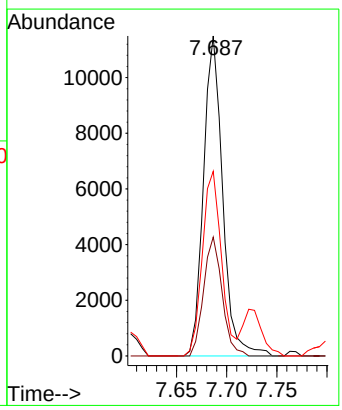


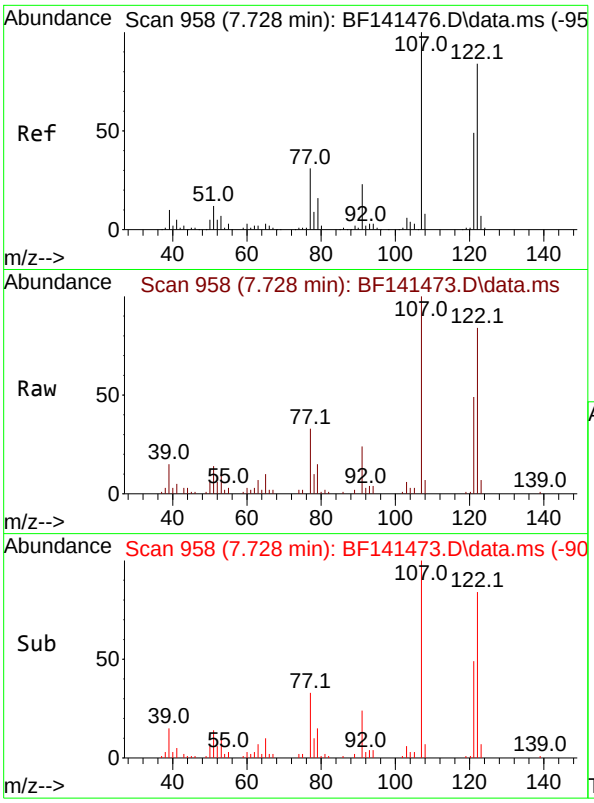


#26
2-Nitrophenol
Concen: 4.592 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



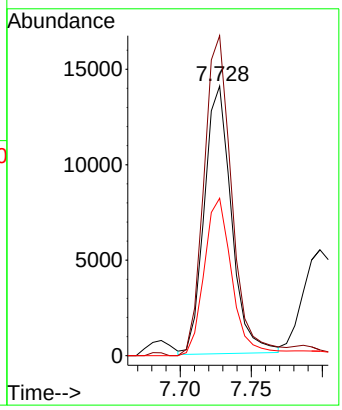


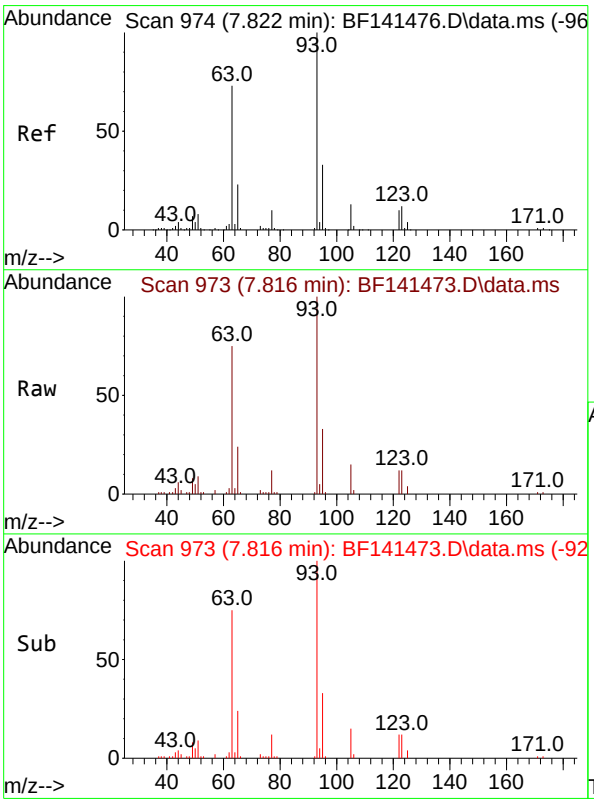
#27
2,4-Dimethylphenol
Concen: 4.784 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

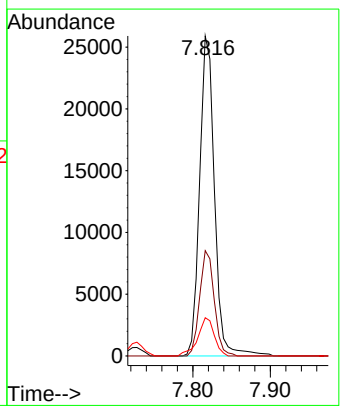


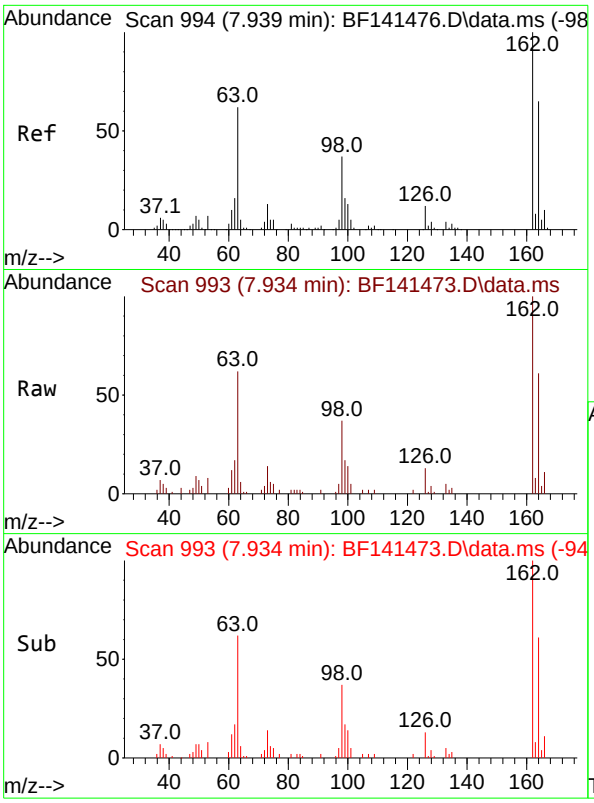


#28
bis(2-Chloroethoxy)methane
Concen: 4.902 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



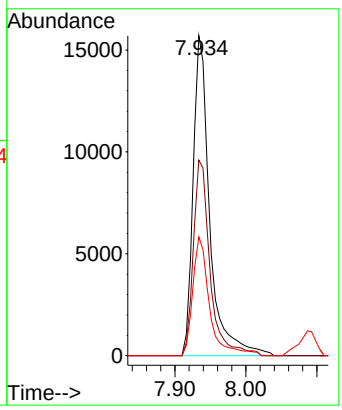


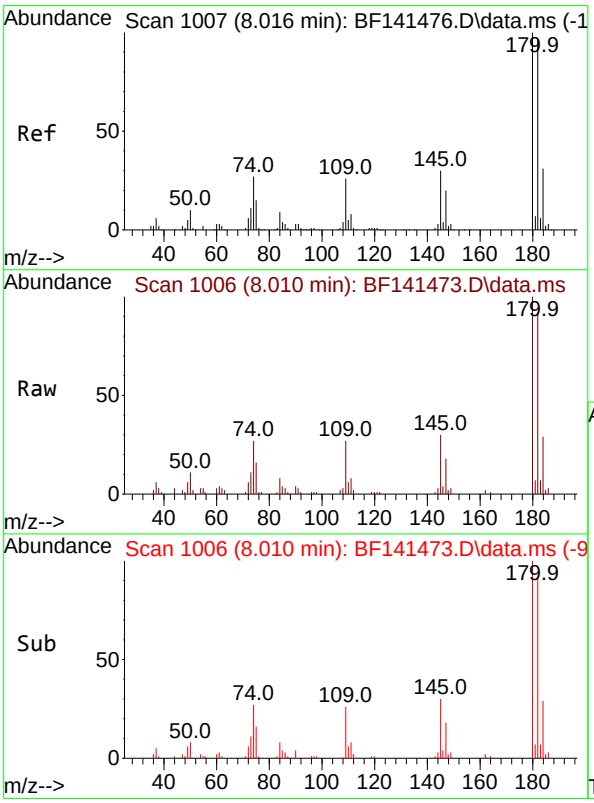
#29
2,4-Dichlorophenol
Concen: 4.870 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

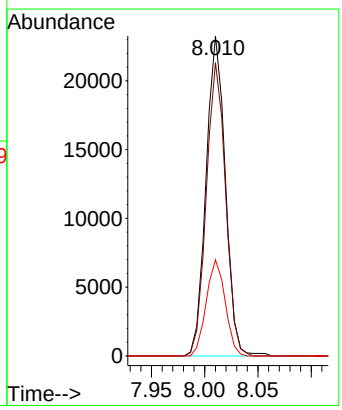


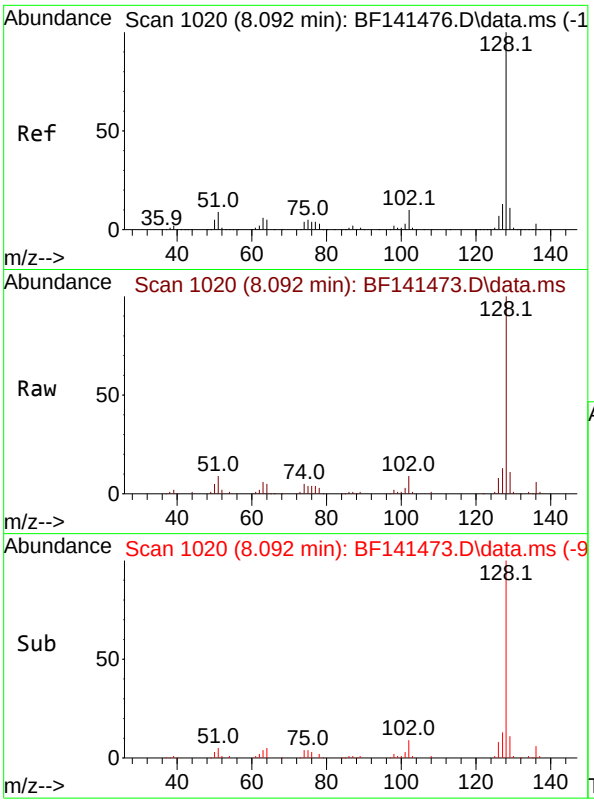


#30
1,2,4-Trichlorobenzene
Concen: 5.109 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



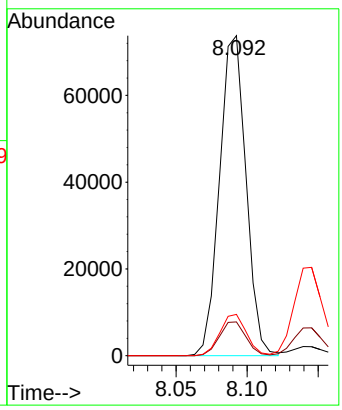


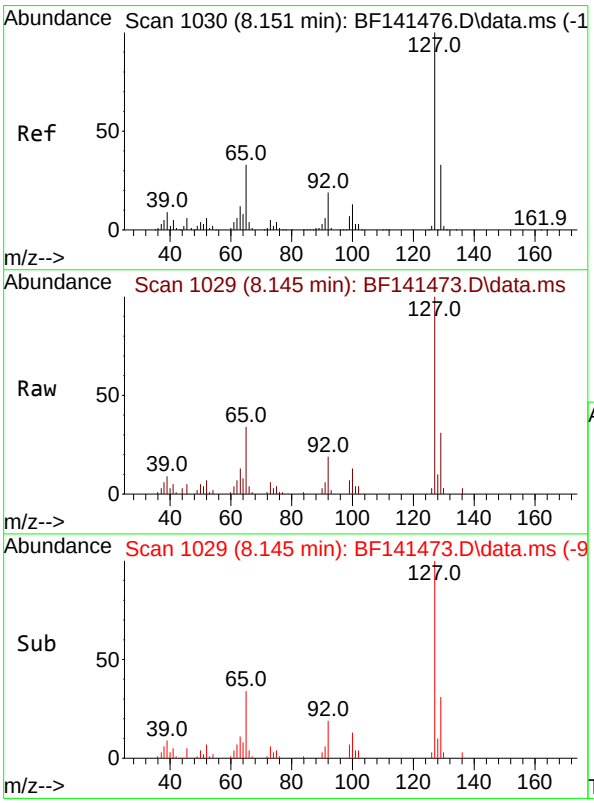
#31
Naphthalene
Concen: 5.123 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

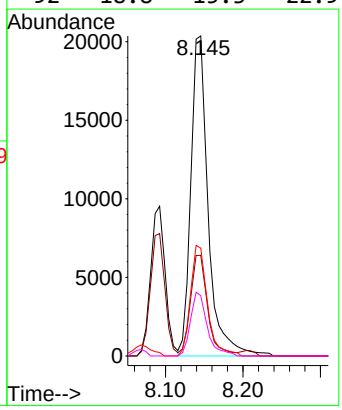


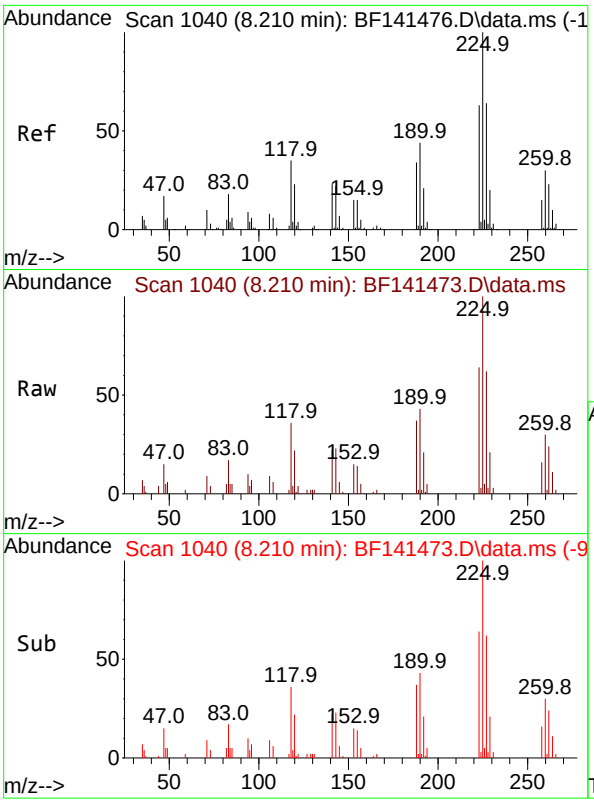


#33
4-Chloroaniline
Concen: 4.864 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



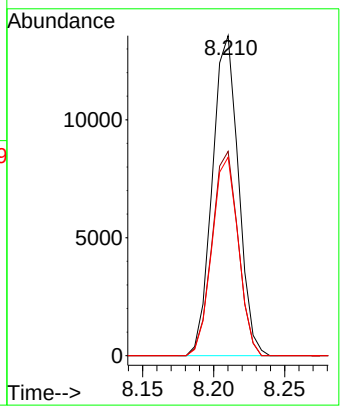


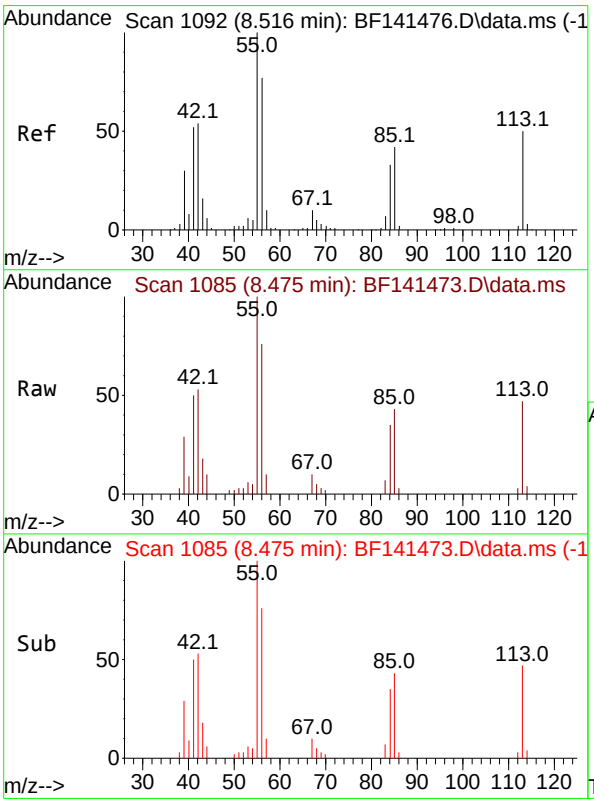
#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

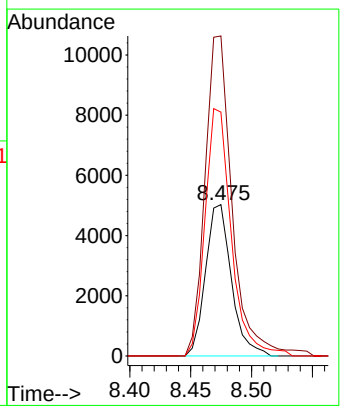


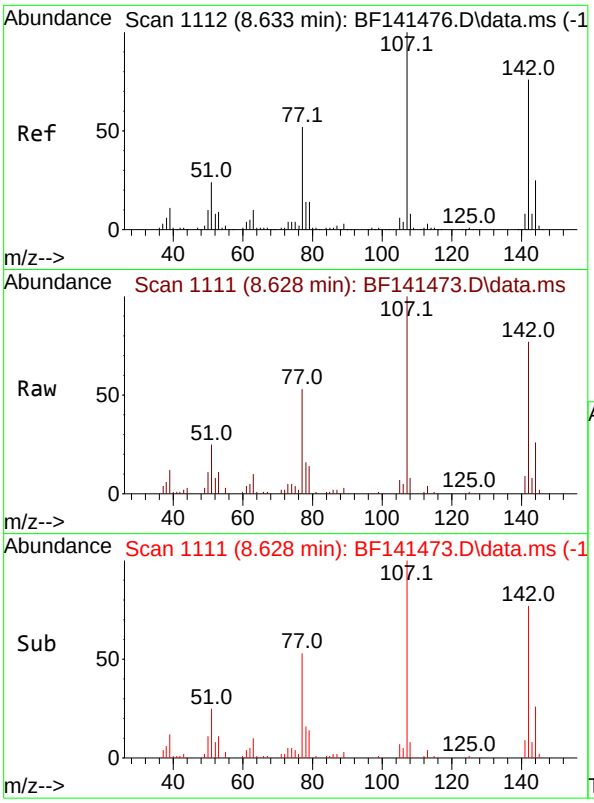


#35
Caprolactam
Concen: 4.635 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.070 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



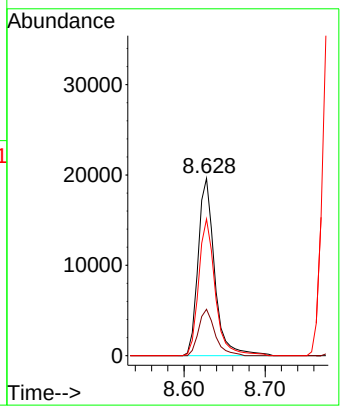


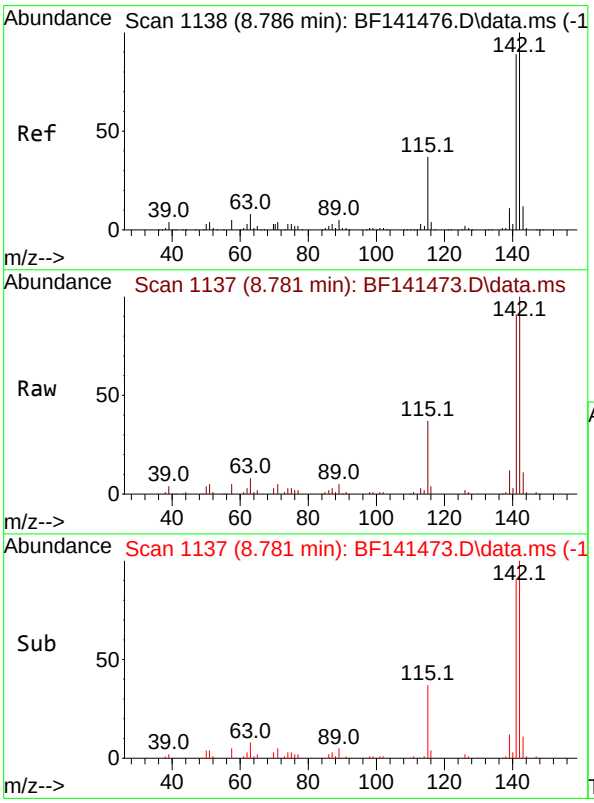
#36
4-Chloro-3-methylphenol
Concen: 4.765 ng
RT: 8.628 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

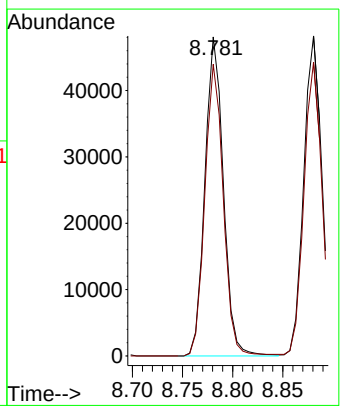


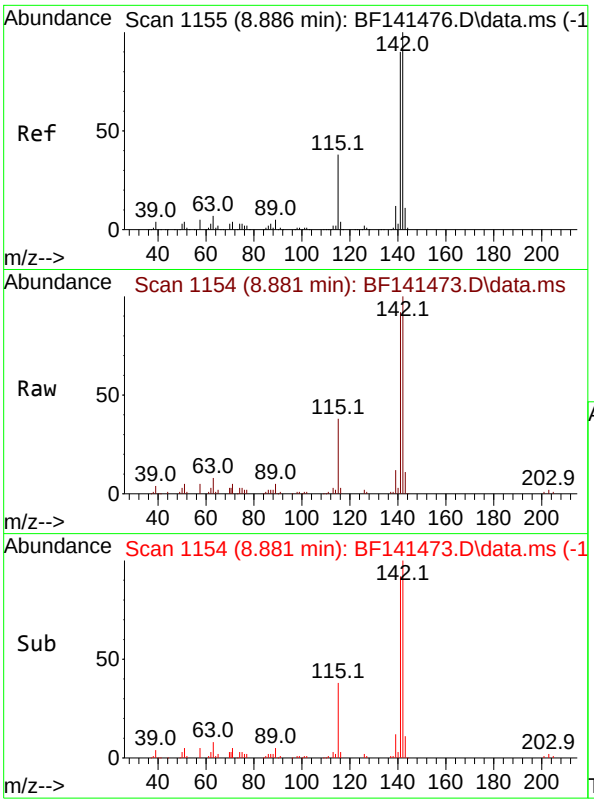


#37
2-Methylnaphthalene
Concen: 5.078 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:142 Resp: 61742

Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.2	106.8



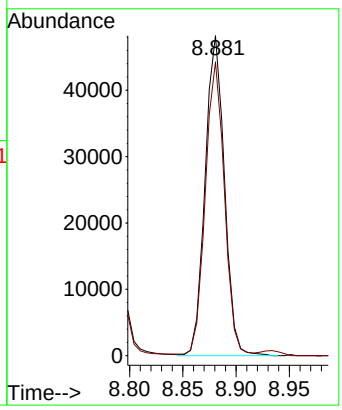


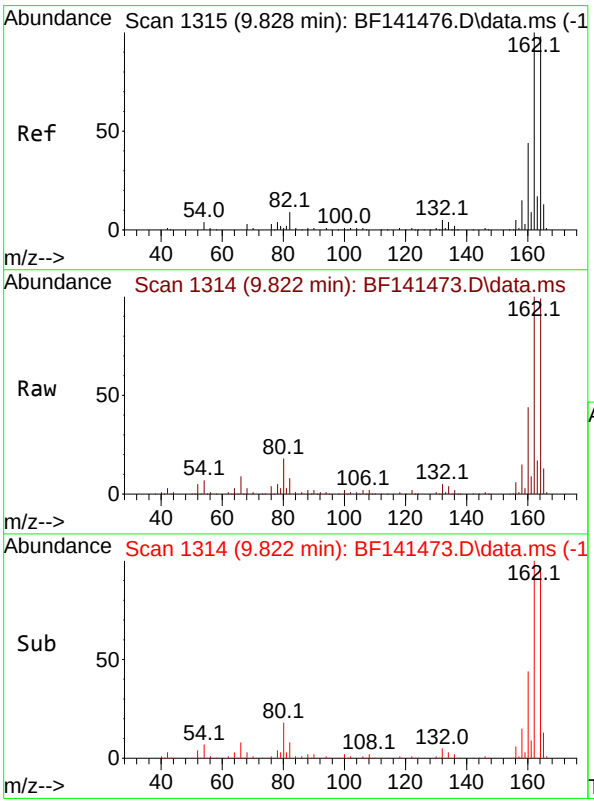
#38
1-Methylnaphthalene
Concen: 5.182 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 61026

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.1	108.1

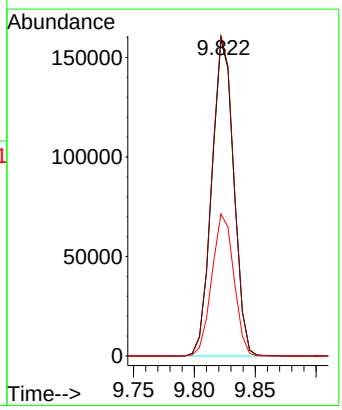


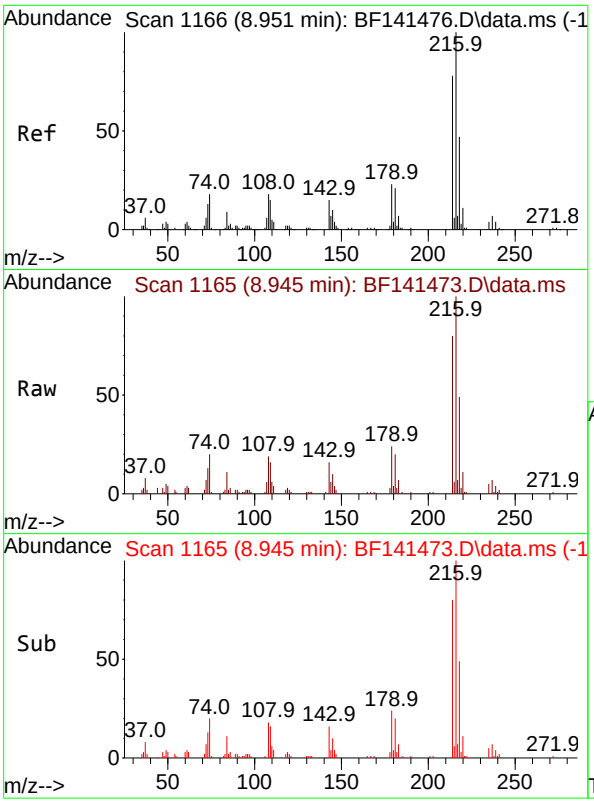


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



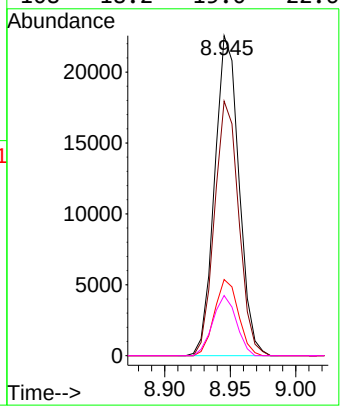


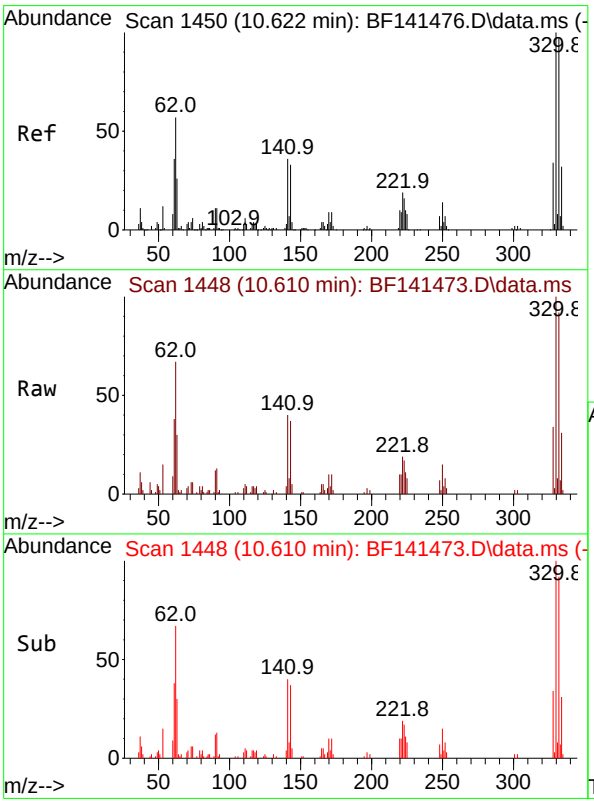
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.028 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

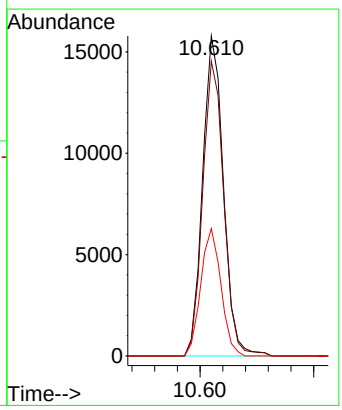


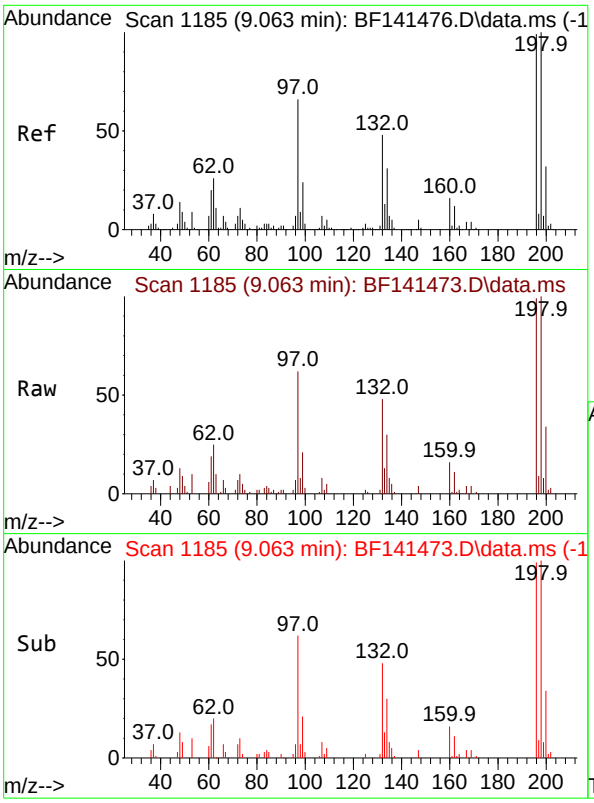


#42
2,4,6-Tribromophenol
Concen: 10.009 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



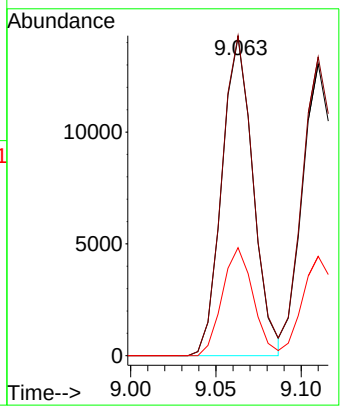


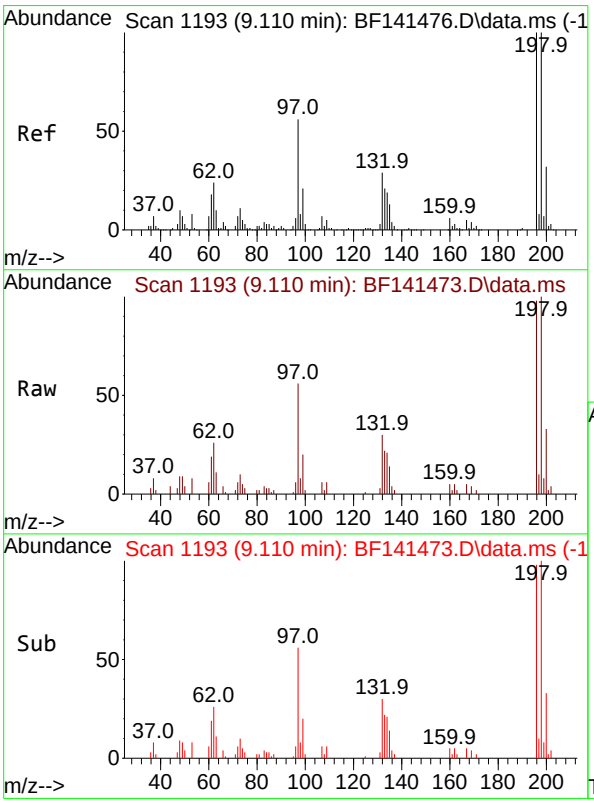
#43
2,4,6-Trichlorophenol
Concen: 4.863 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

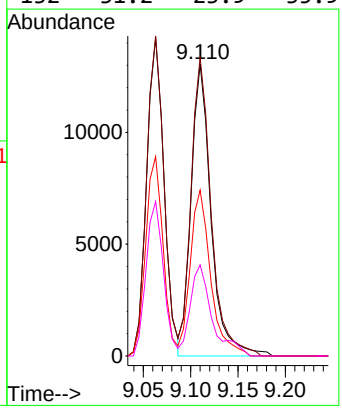


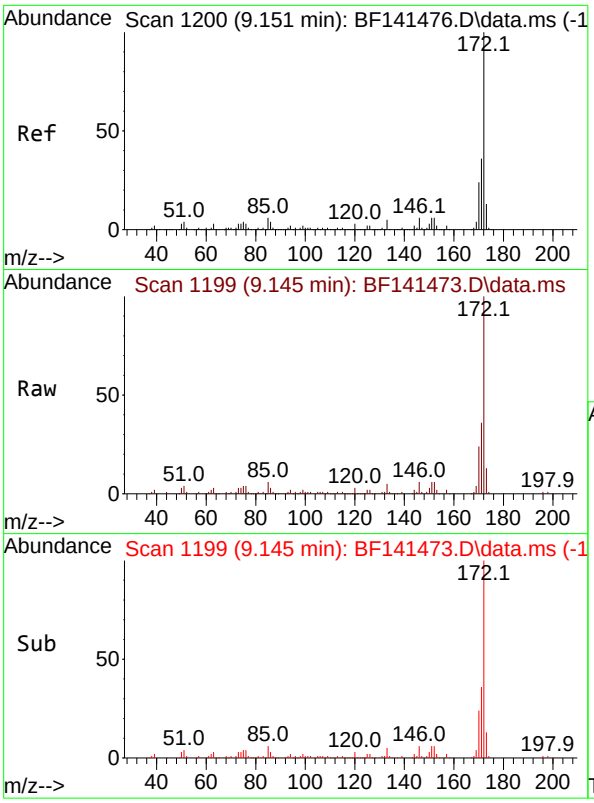


#44
2,4,5-Trichlorophenol
Concen: 4.750 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



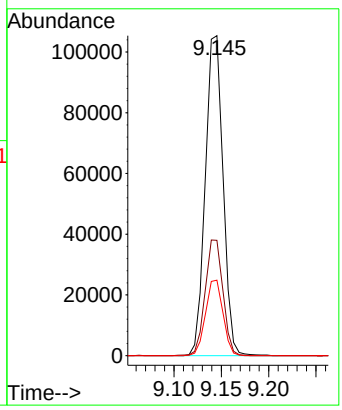


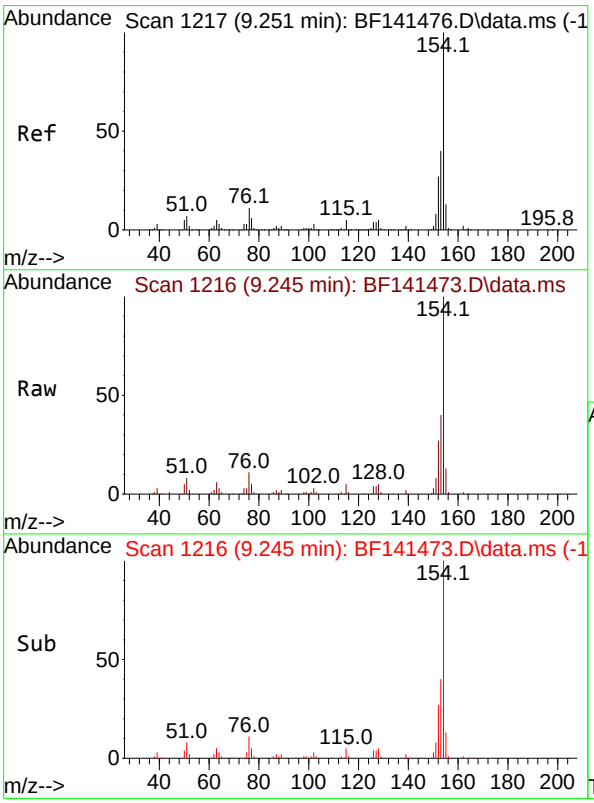
#45
2-Fluorobiphenyl
Concen: 10.573 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

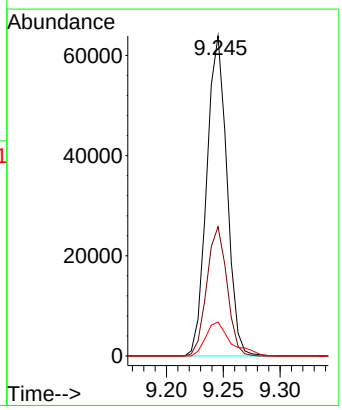


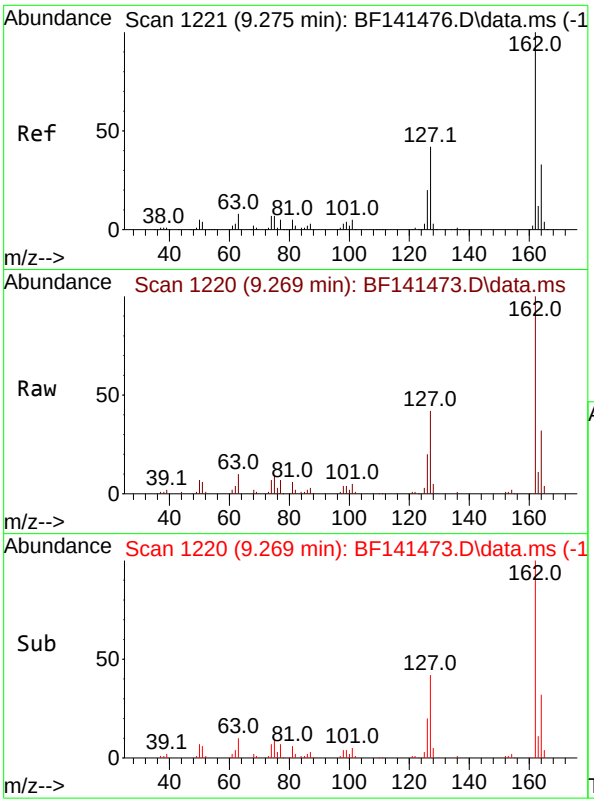


#46
1,1'-Biphenyl
Concen: 5.103 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



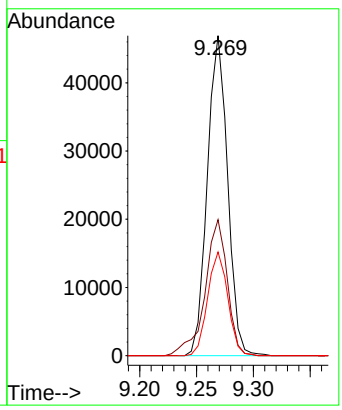


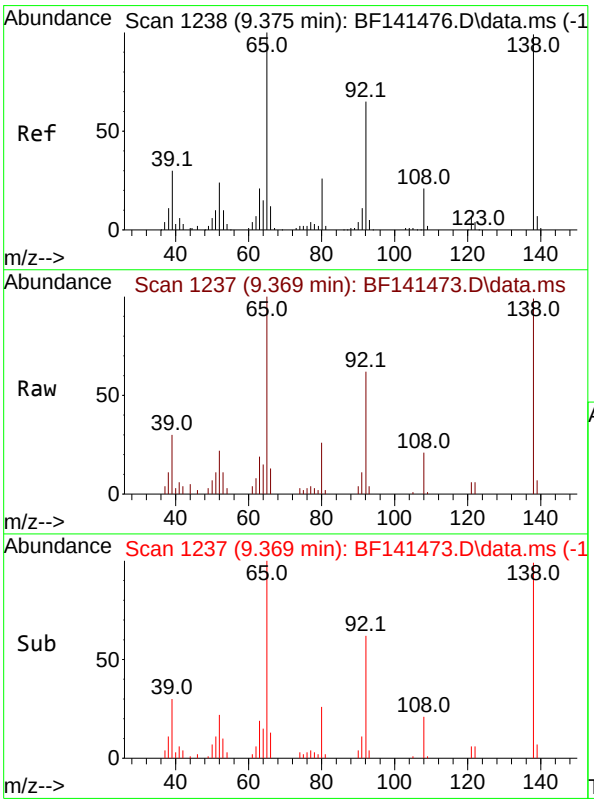
#47
2-Chloronaphthalene
Concen: 5.088 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

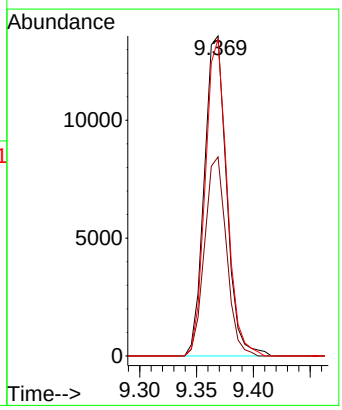


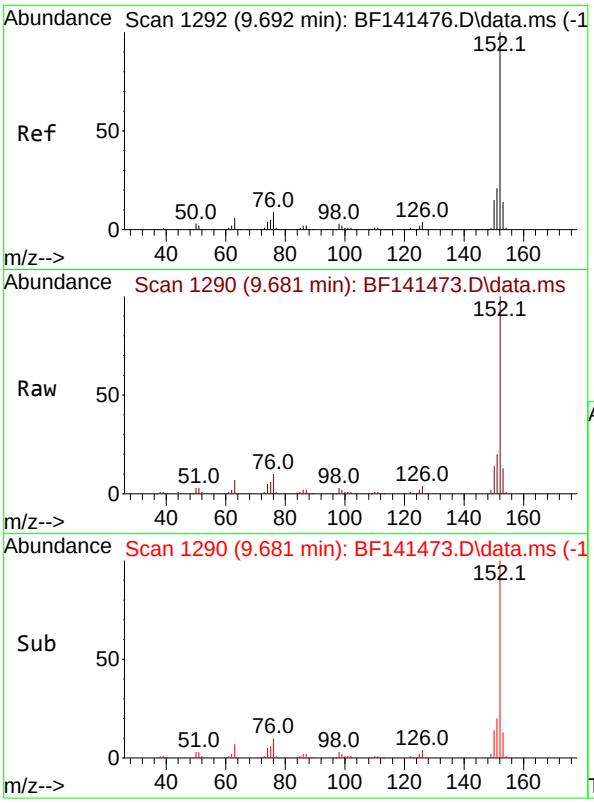


#48
2-Nitroaniline
Concen: 4.818 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



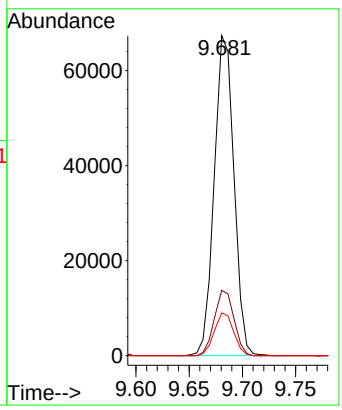


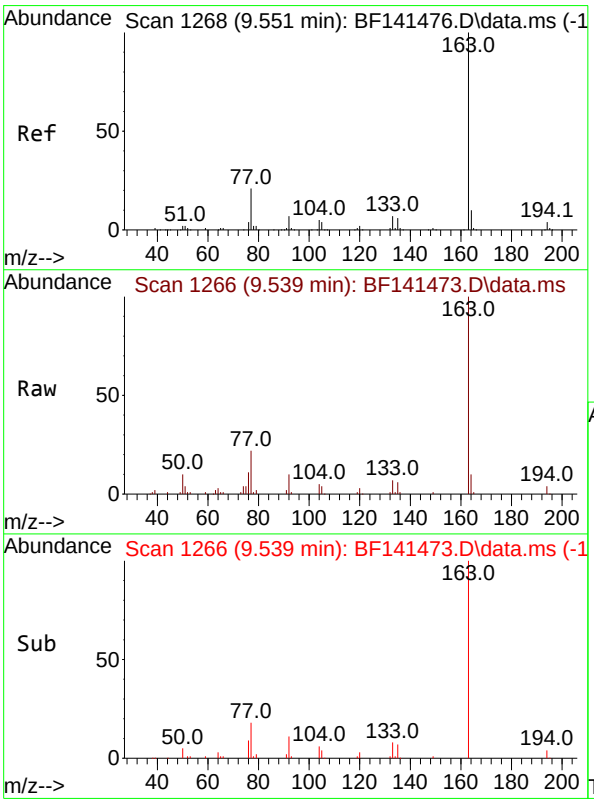
#49
Acenaphthylene
Concen: 5.097 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

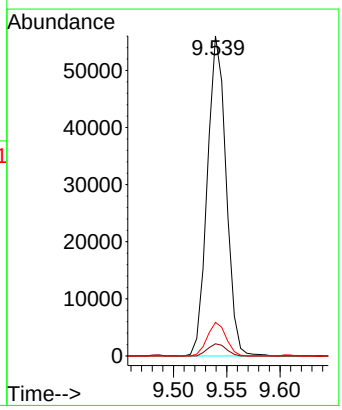


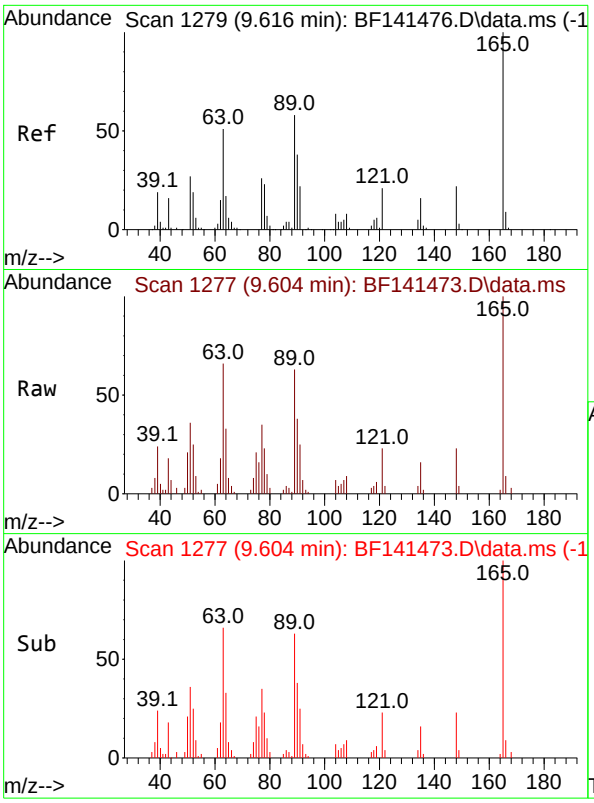


#50
Dimethylphthalate
Concen: 5.088 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



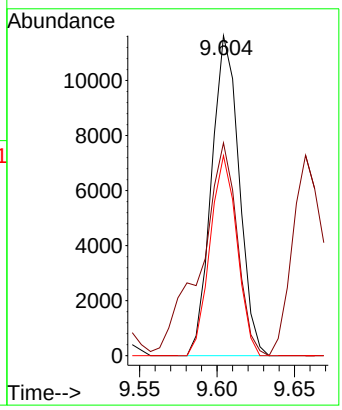


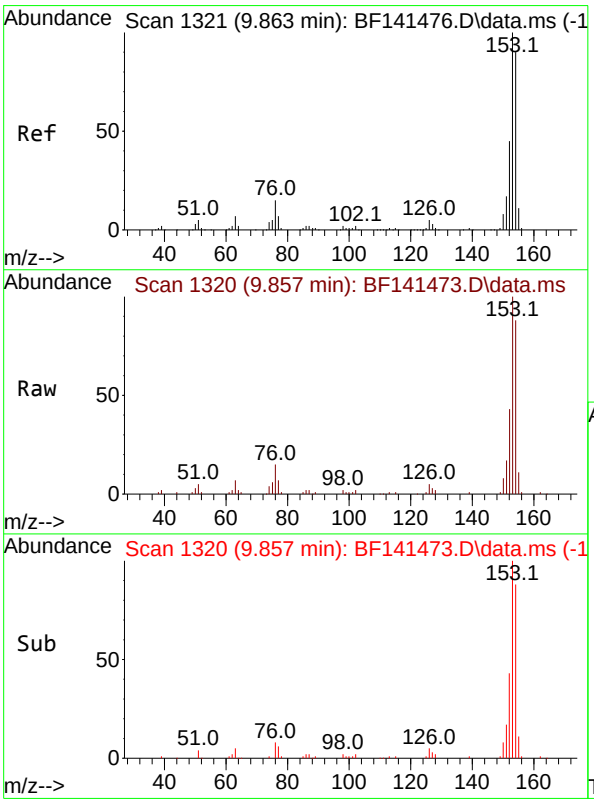
#51
2,6-Dinitrotoluene
Concen: 4.861 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

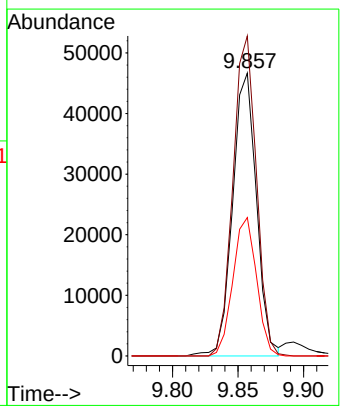


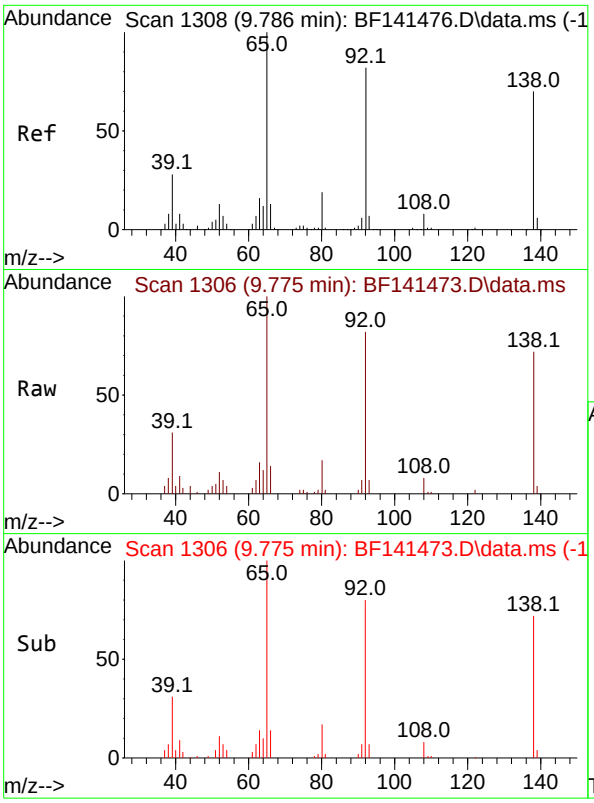


#52
Acenaphthene
Concen: 5.171 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



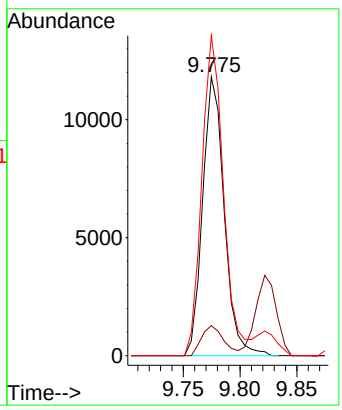


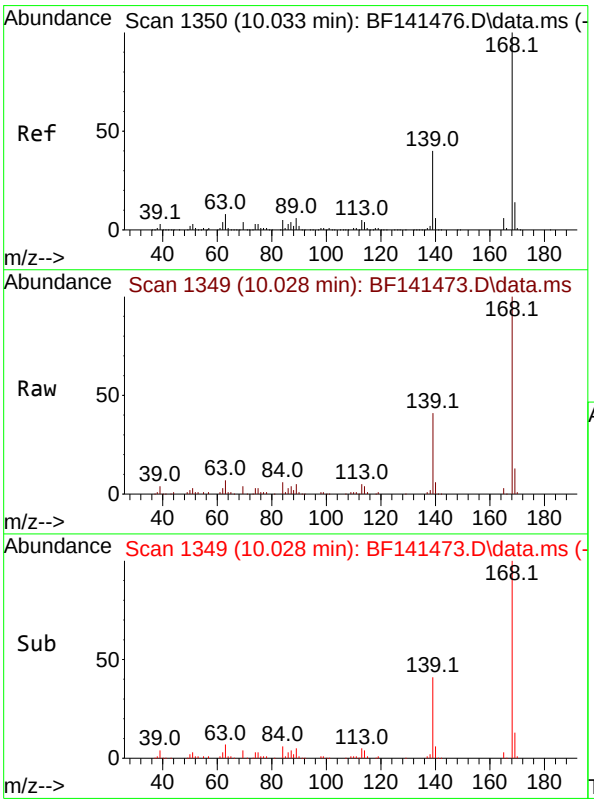
#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

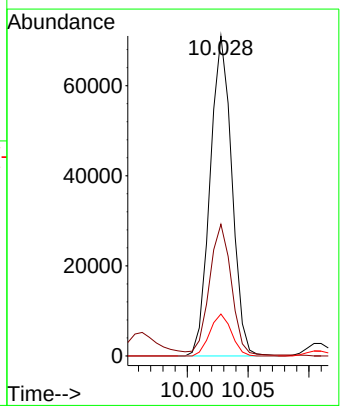


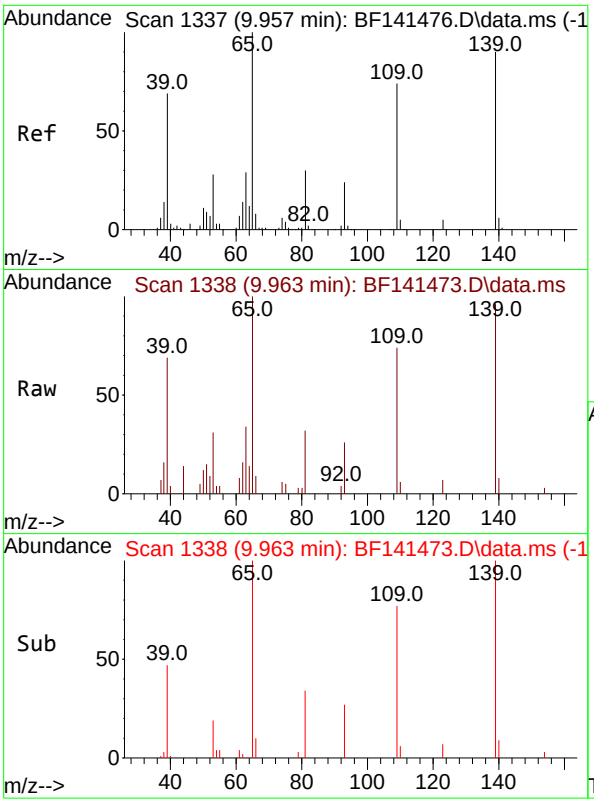


#55
Dibenzofuran
Concen: 5.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



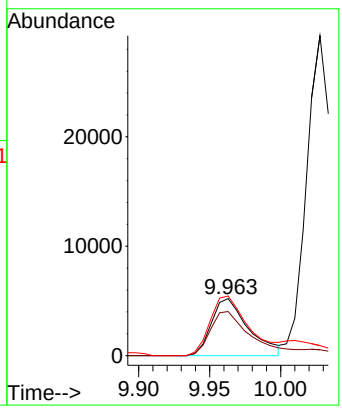


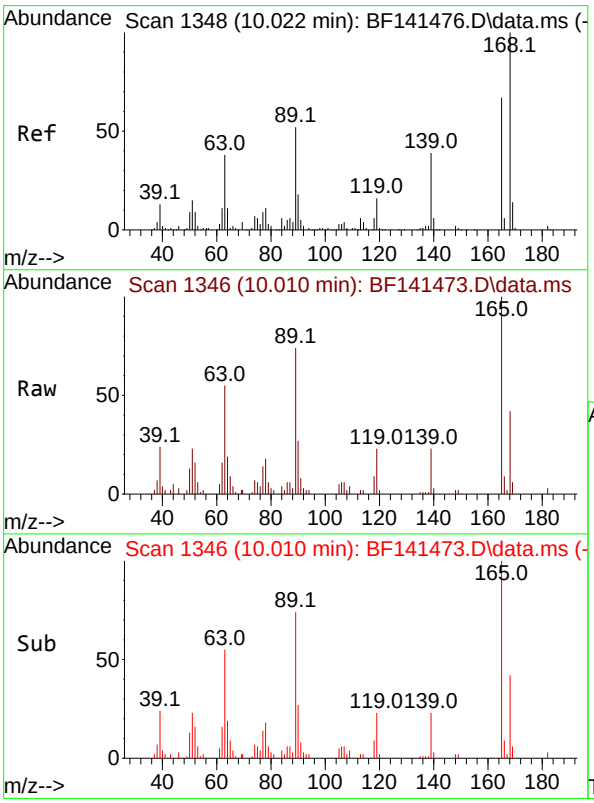
#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

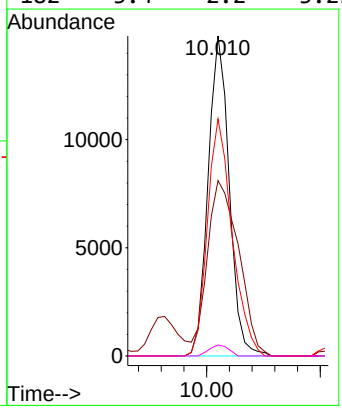


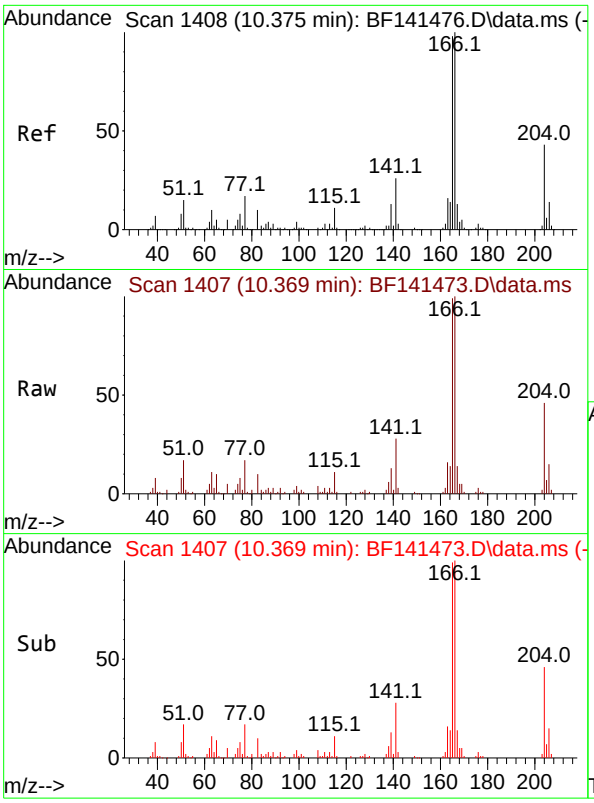


#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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#



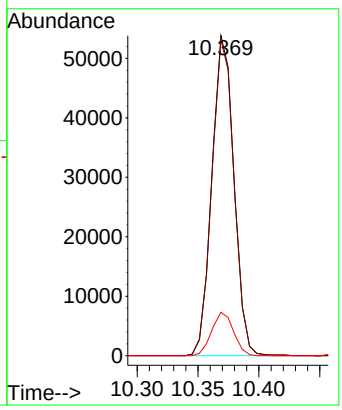


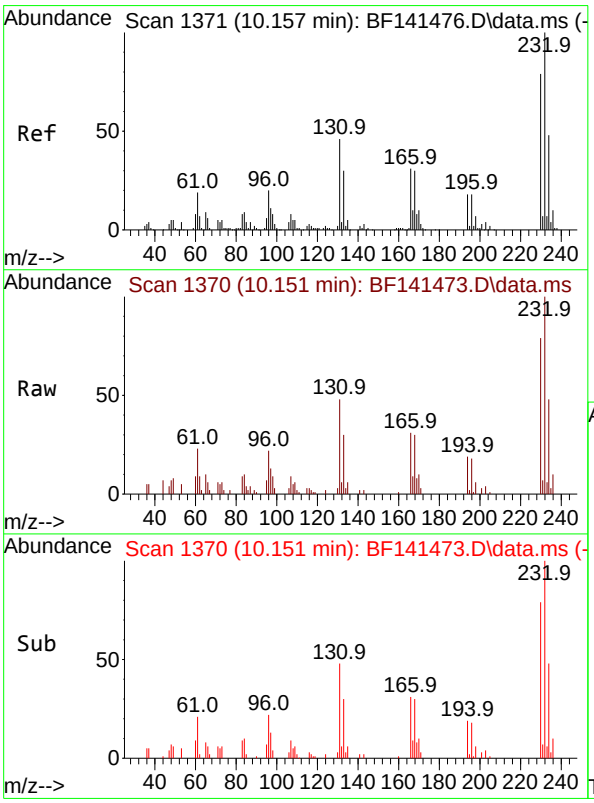
#58
Fluorene
Concen: 5.220 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

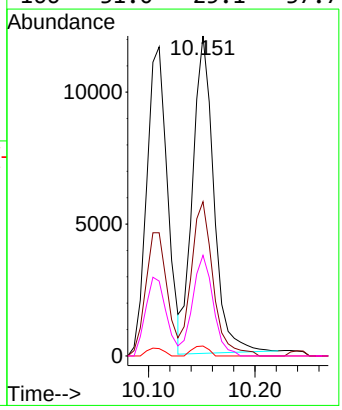


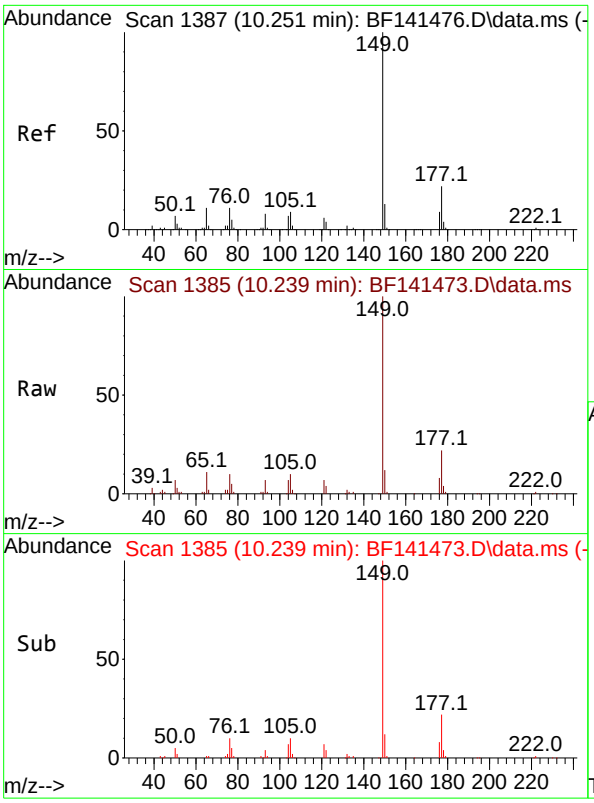


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.760 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



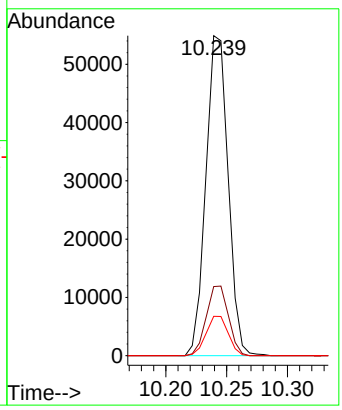


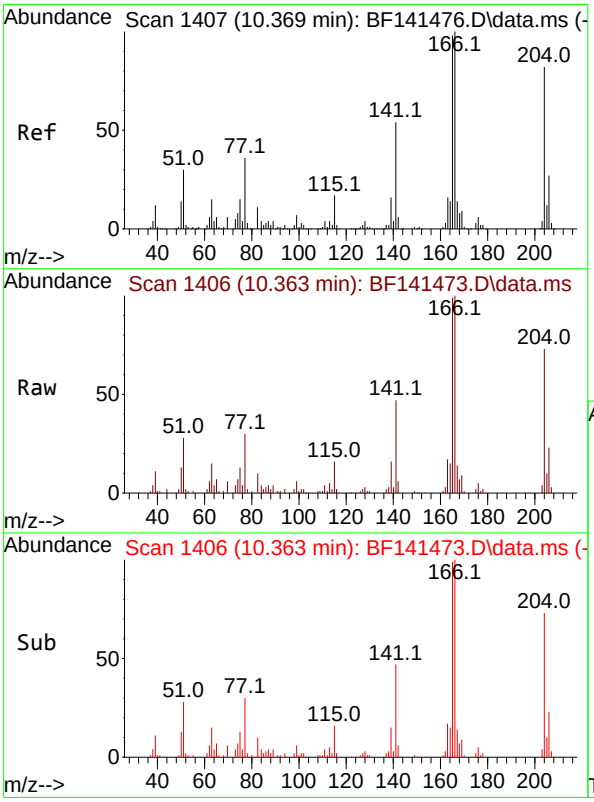
#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

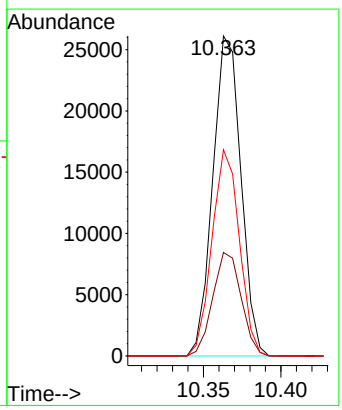


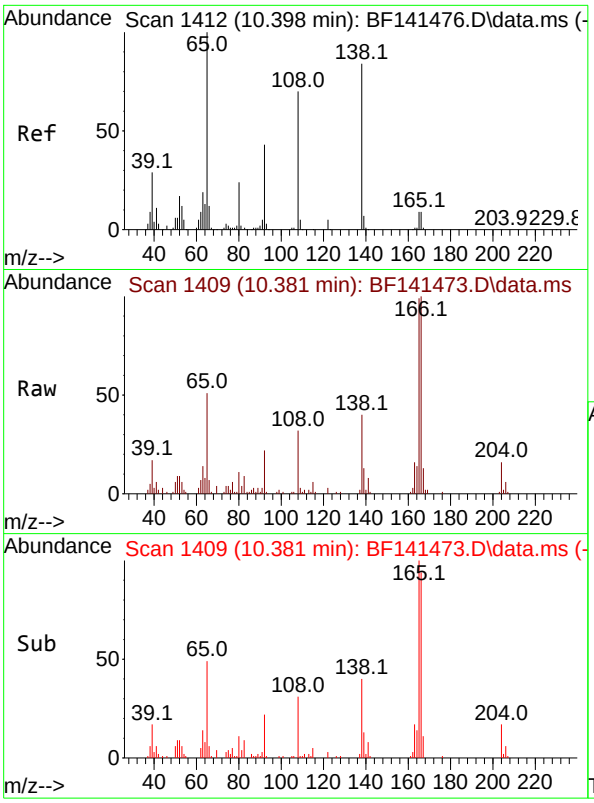


#61
4-Chlorophenyl-phenylether
Concen: 5.277 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



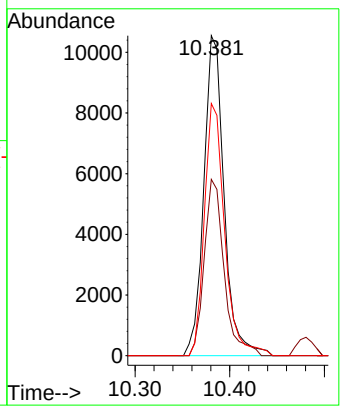


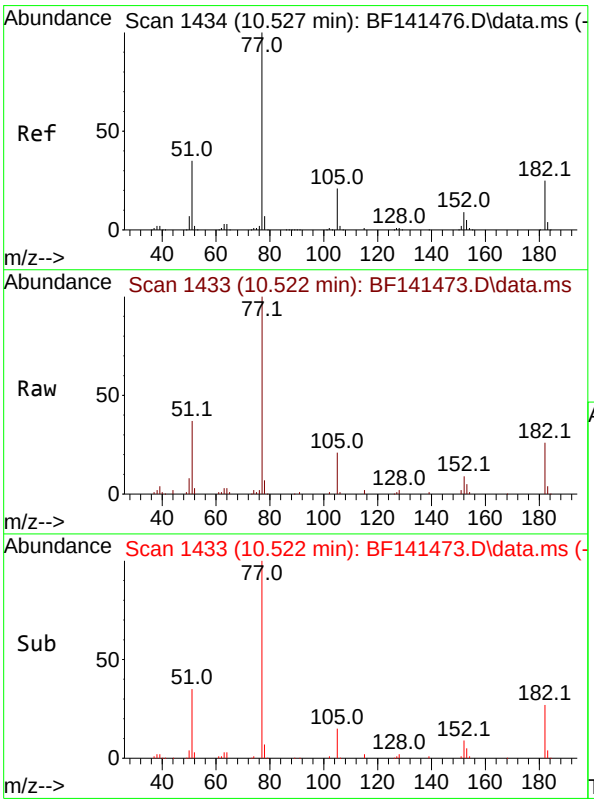
#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

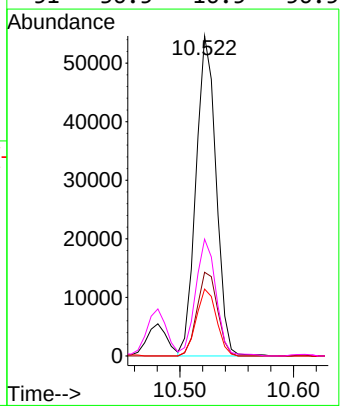


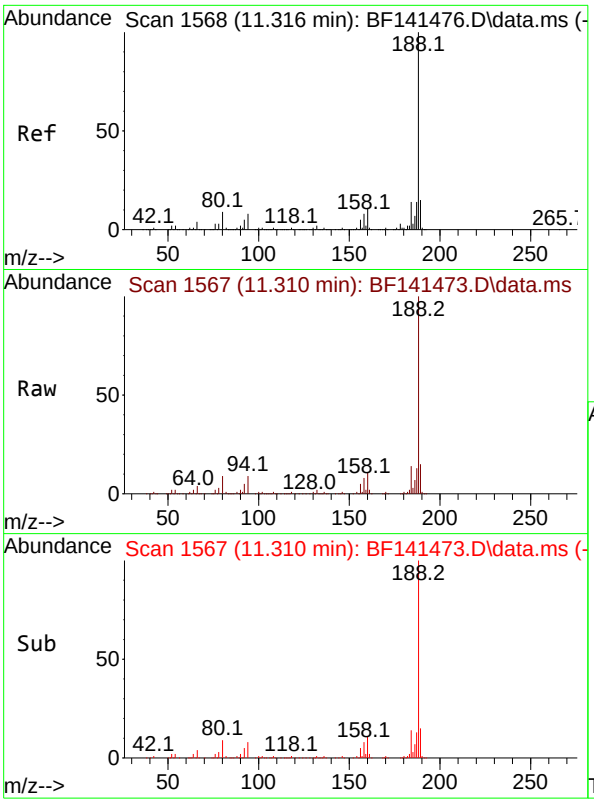


#63
Azobenzene
Concen: 5.077 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



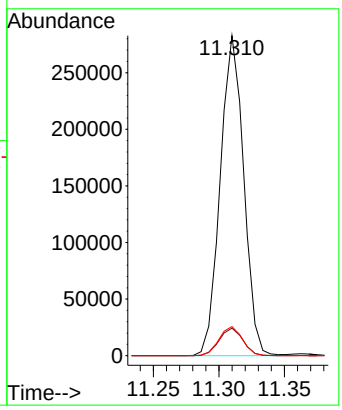


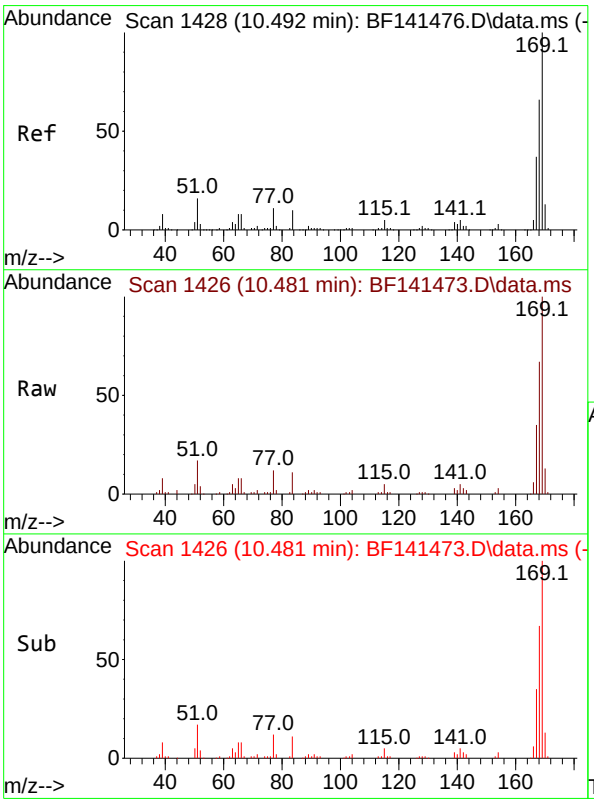
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

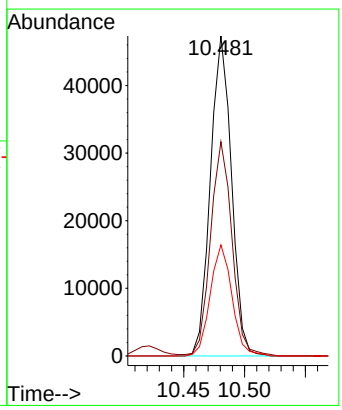


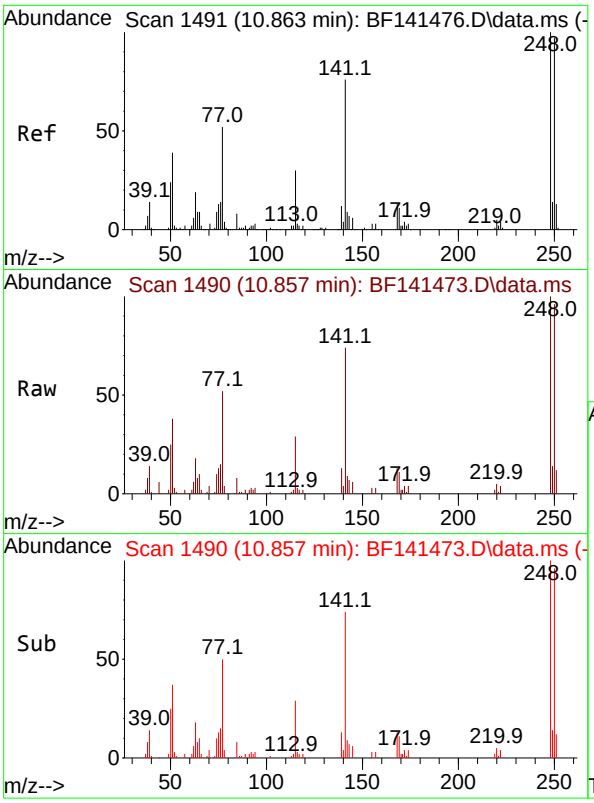


#66
n-Nitrosodiphenylamine
Concen: 5.076 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



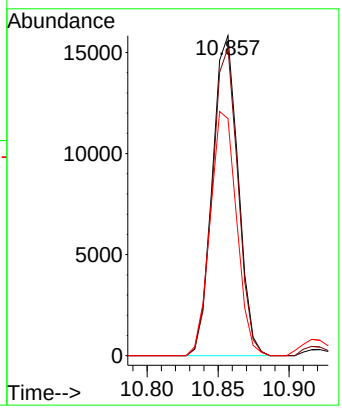


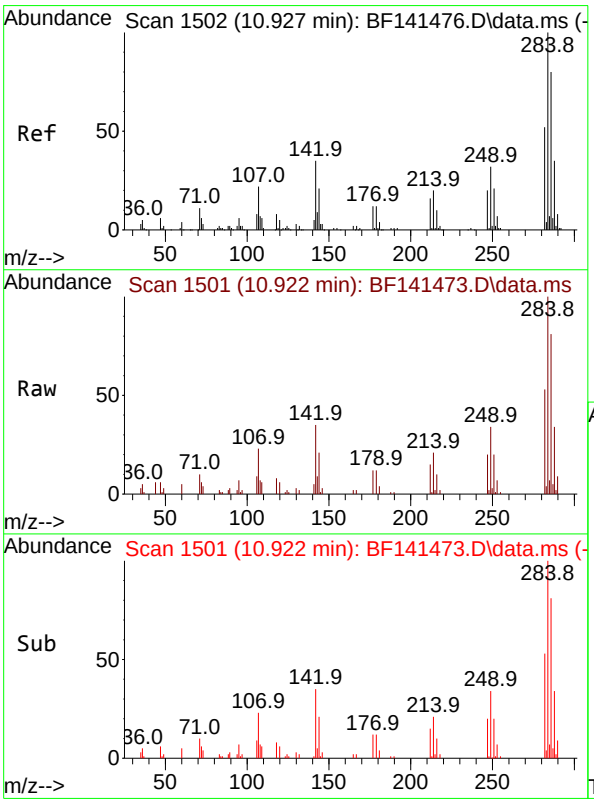
#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

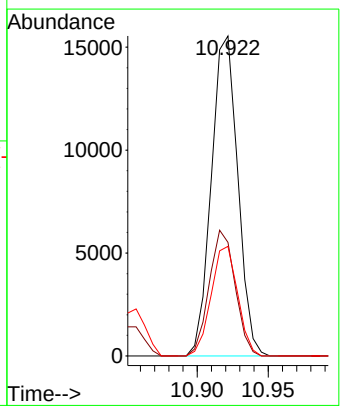


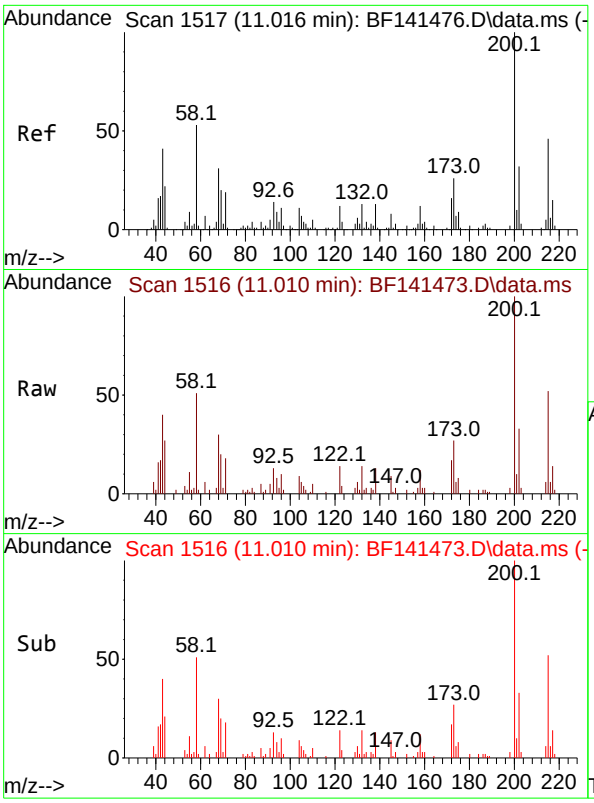


#68
Hexachlorobenzene
Concen: 4.982 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



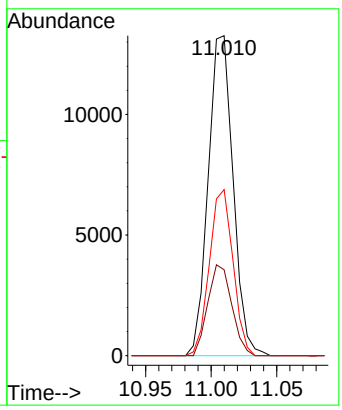


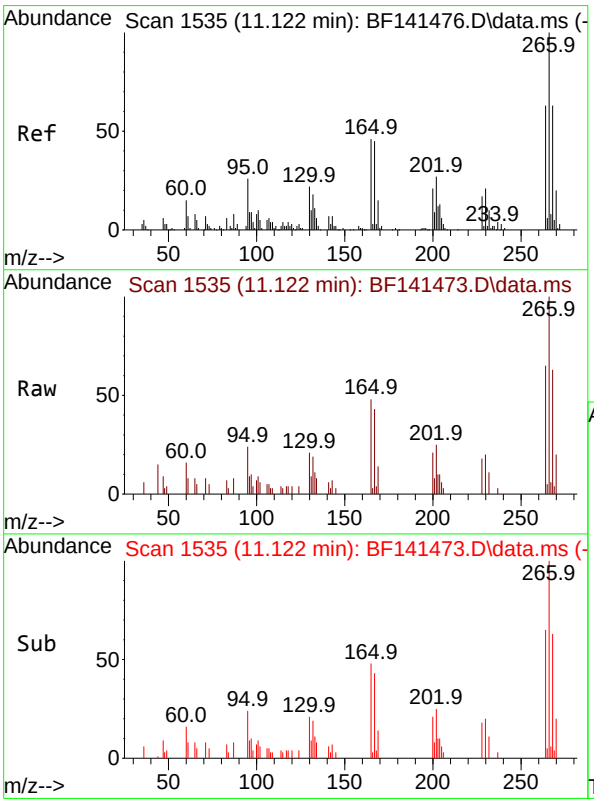
#69
Atrazine
Concen: 5.194 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

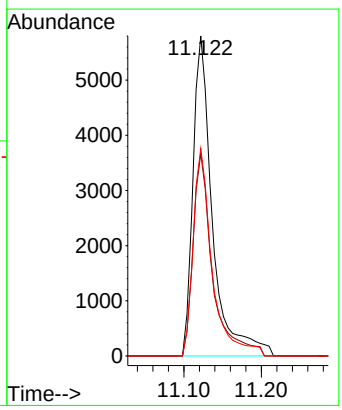


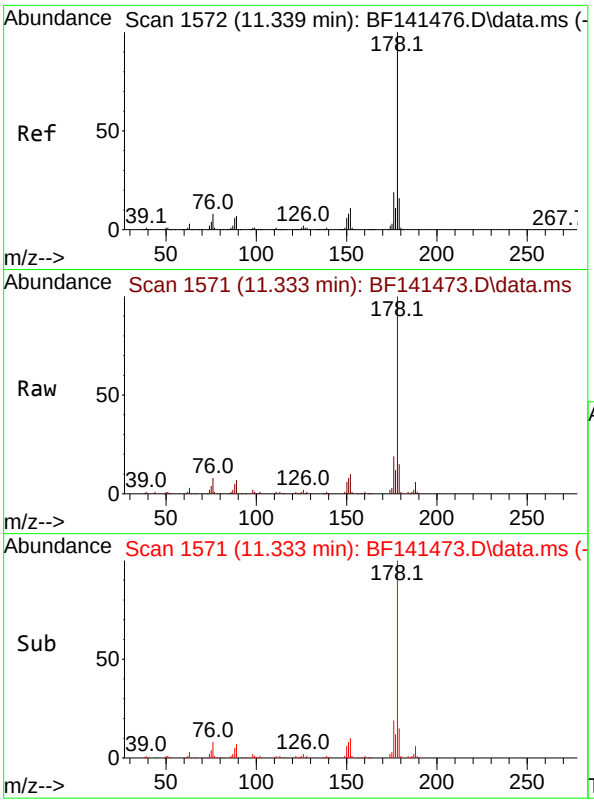


#70
Pentachlorophenol
Concen: 3.928 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



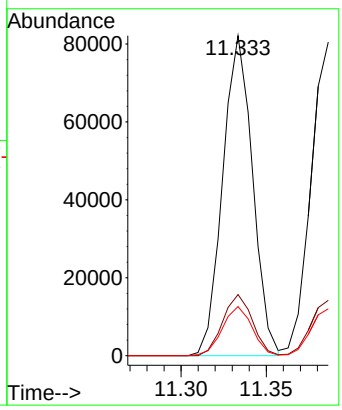


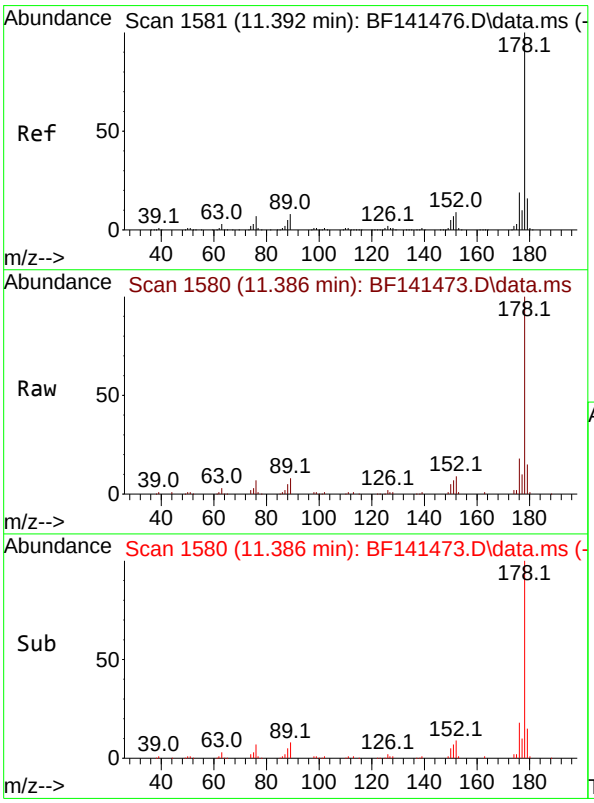
#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

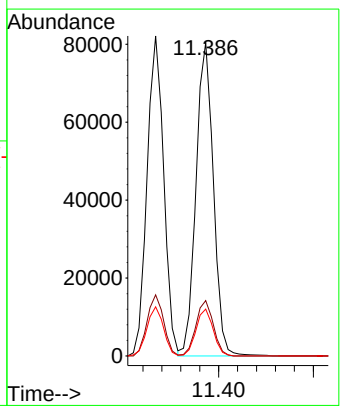


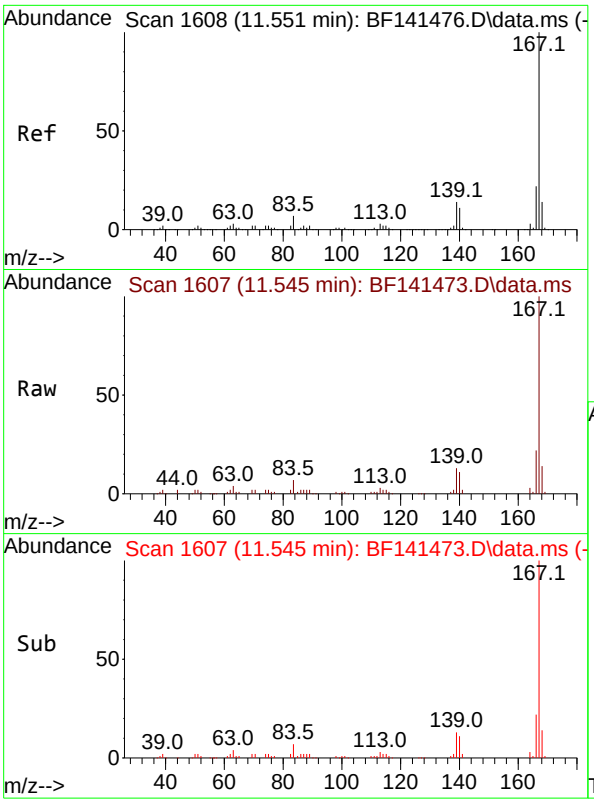


#72
Anthracene
Concen: 5.279 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



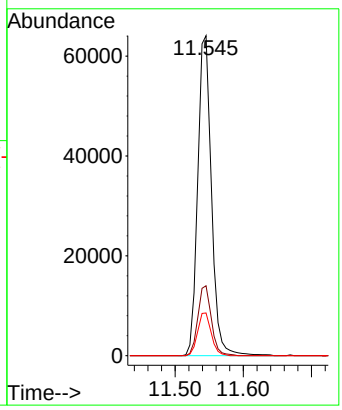


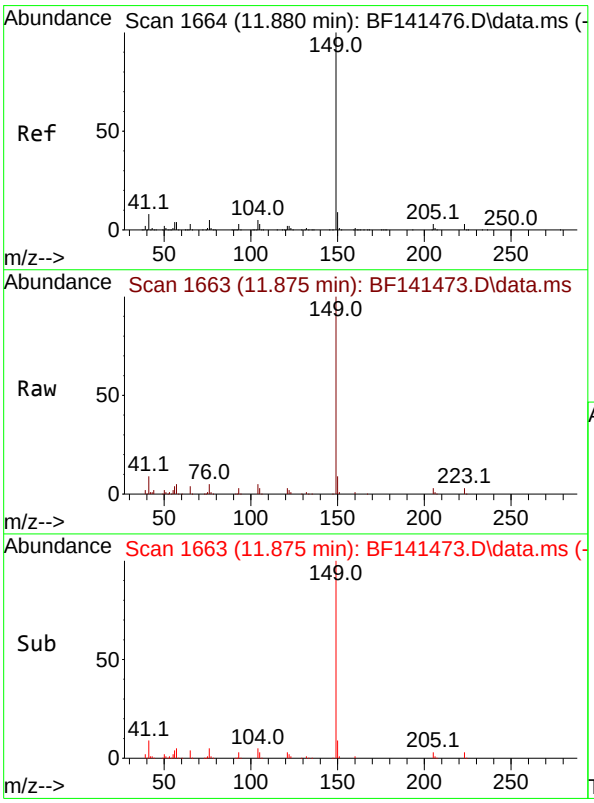
#73
Carbazole
Concen: 5.131 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

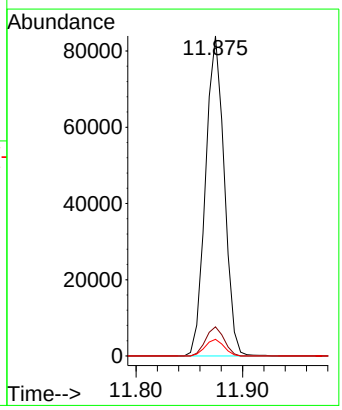


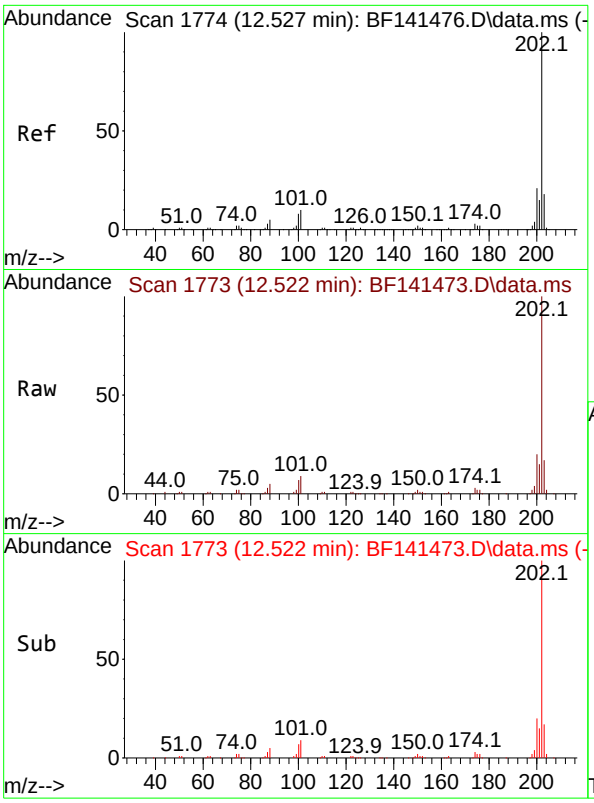


#74
Di-n-butylphthalate
Concen: 5.066 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



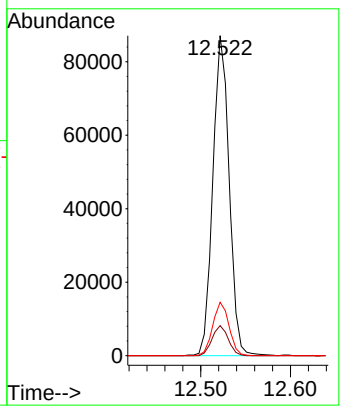


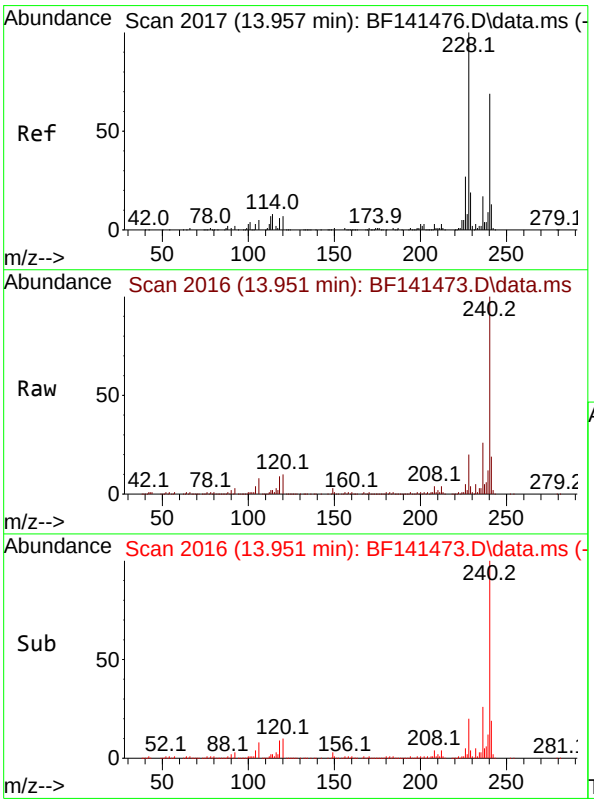
#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

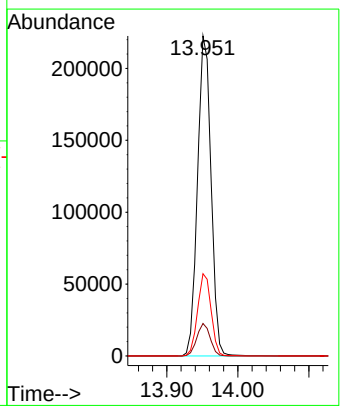


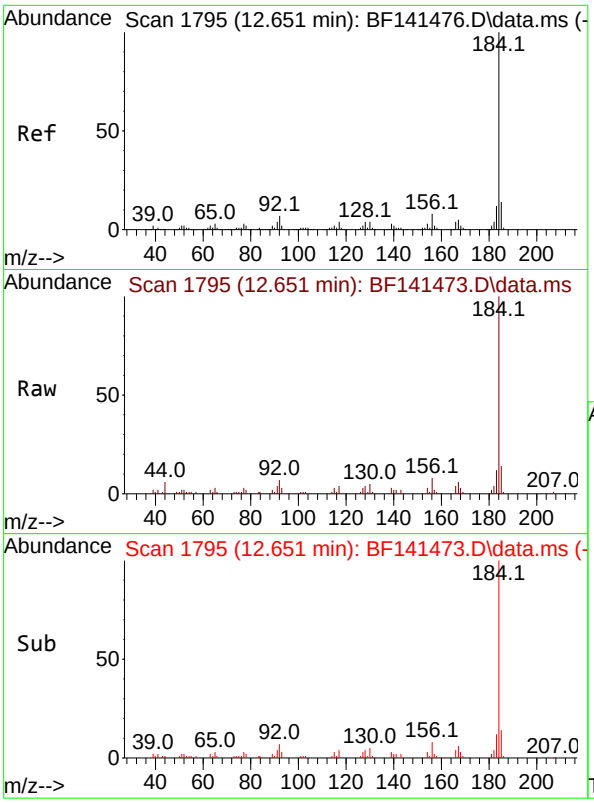


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



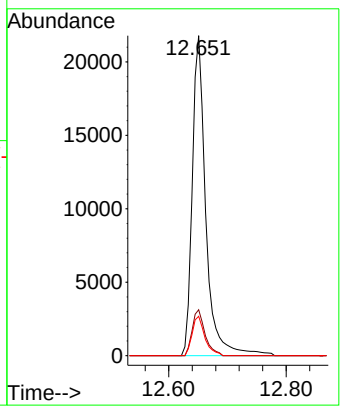


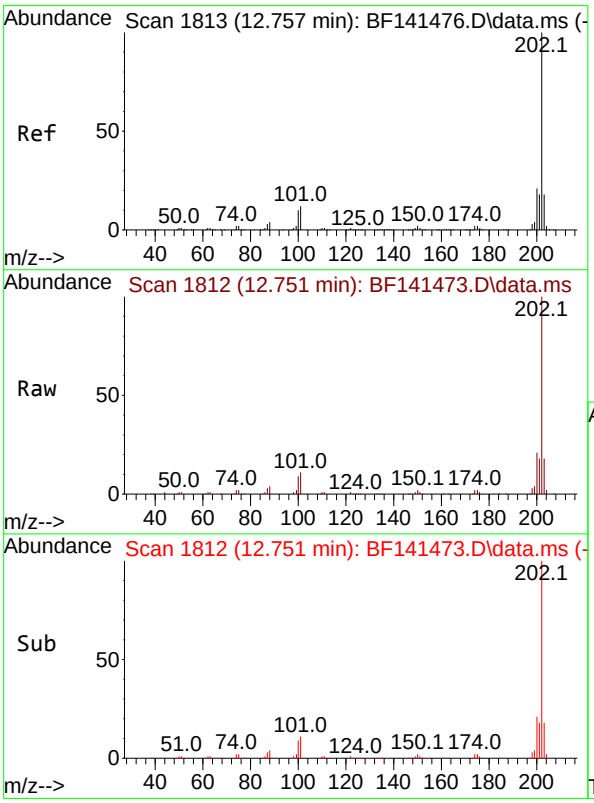
#77
Benzidine
Concen: 5.370 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

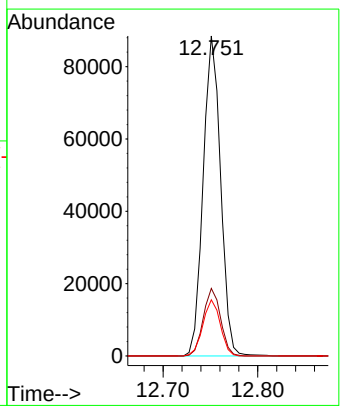


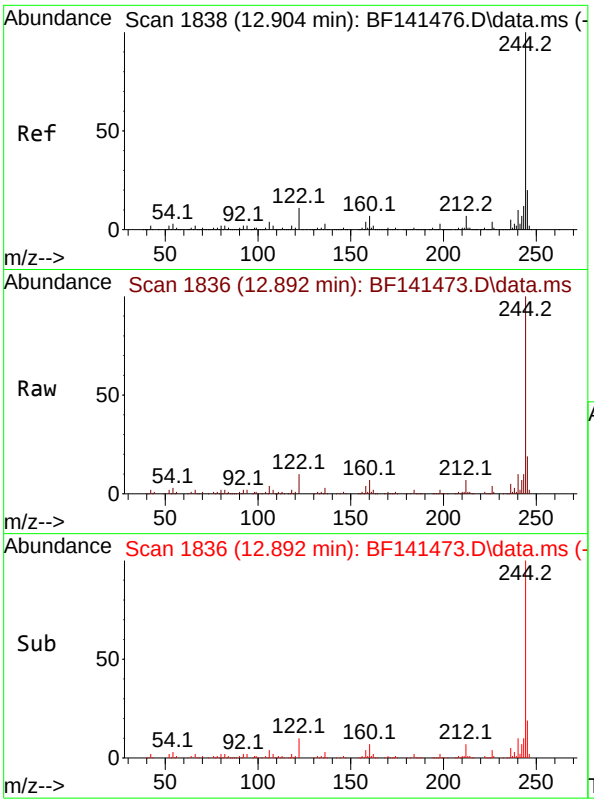


#78
Pyrene
Concen: 4.486 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



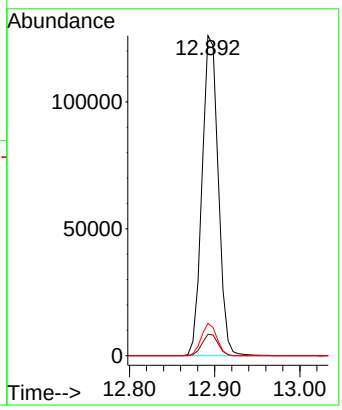


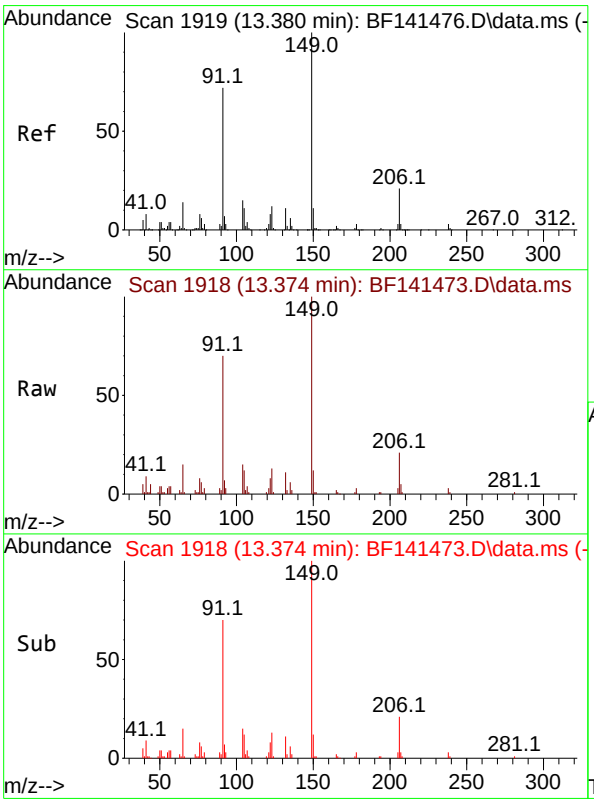
#79
Terphenyl-d14
Concen: 9.531 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

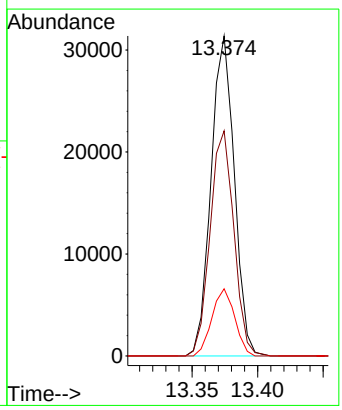


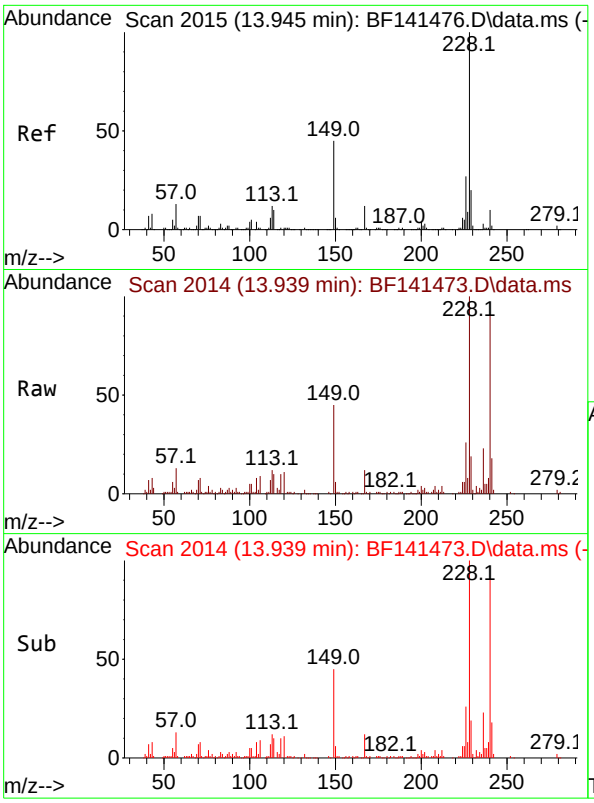


#80
Butylbenzylphthalate
Concen: 4.449 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



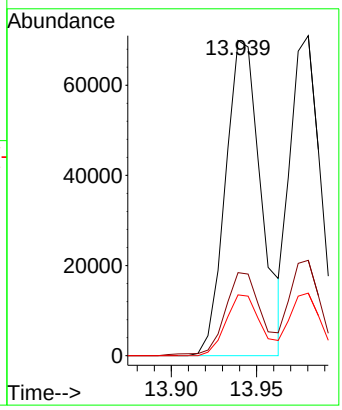


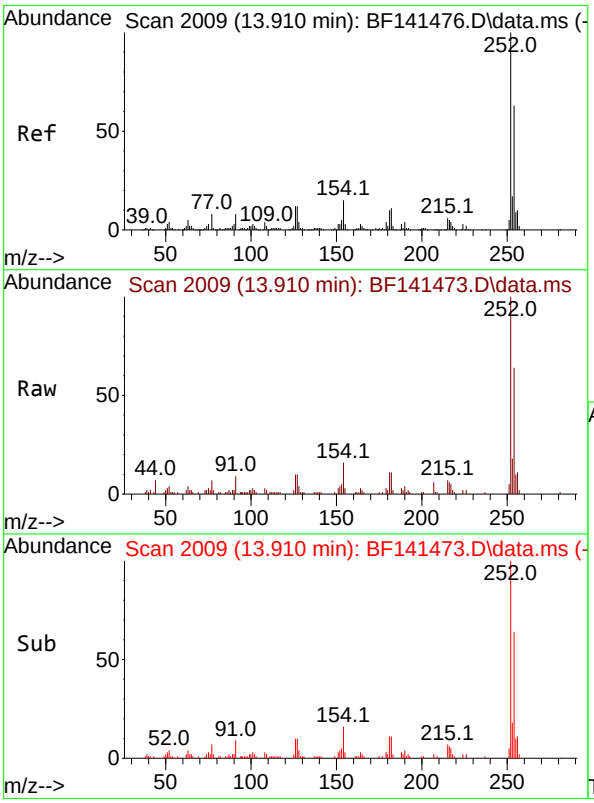
#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 13.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

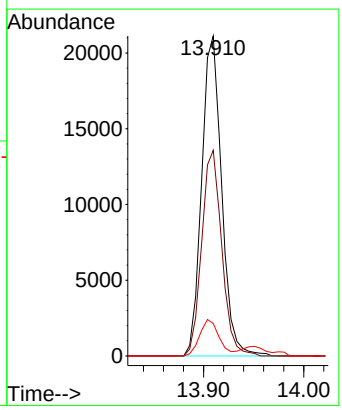


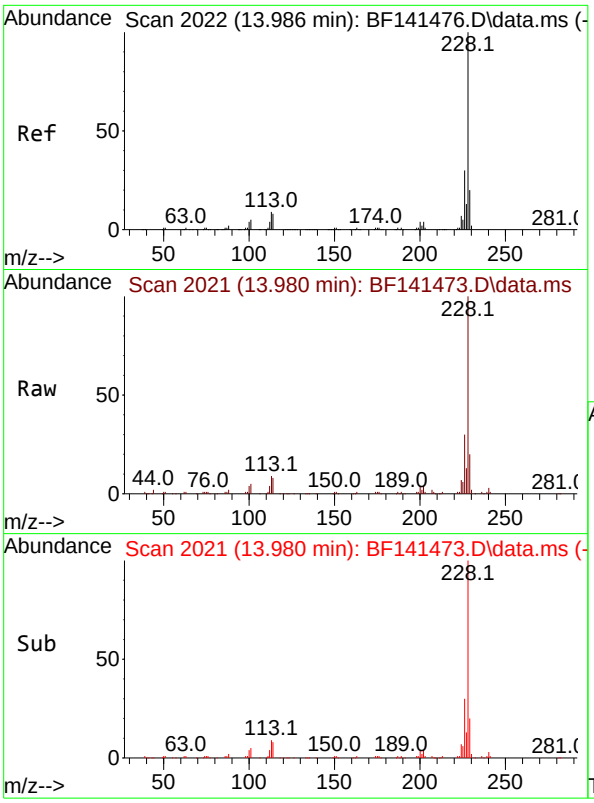


#82
3,3'-Dichlorobenzidine
Concen: 5.216 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



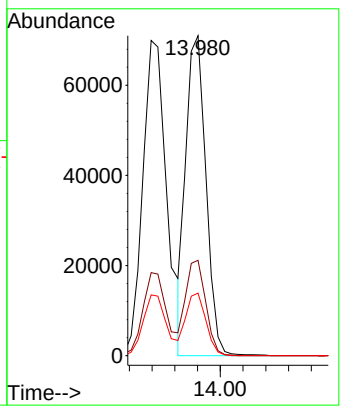


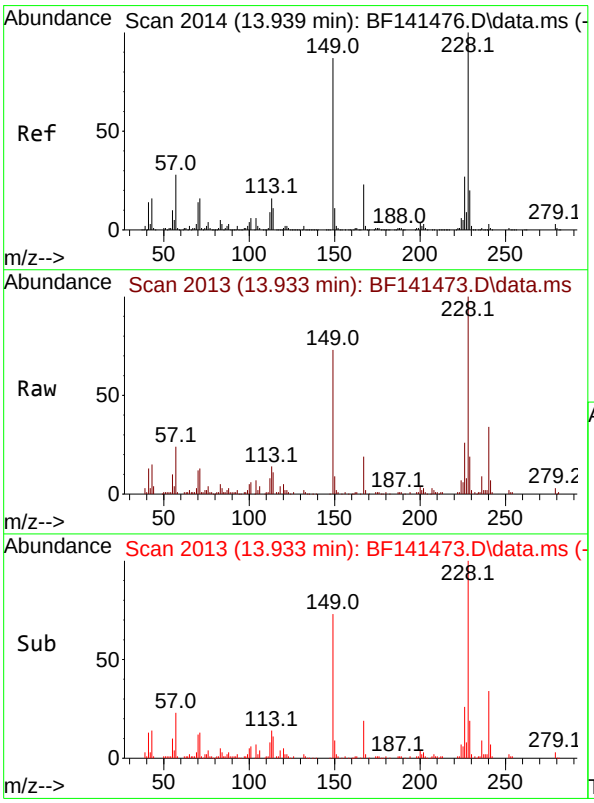
#83
Chrysene
Concen: 4.834 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

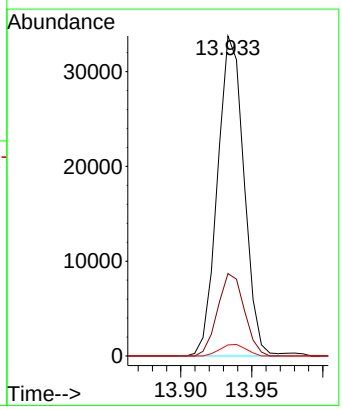


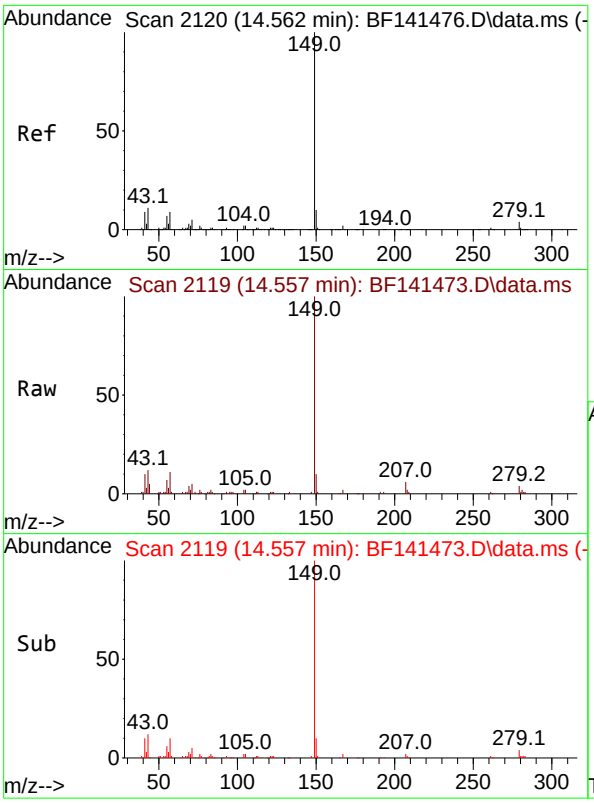


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.457 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



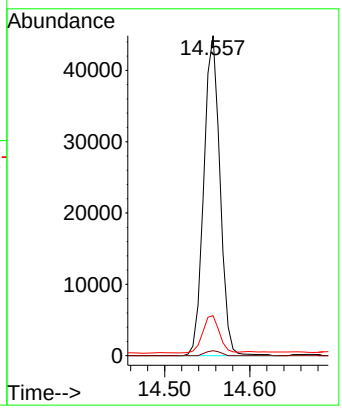


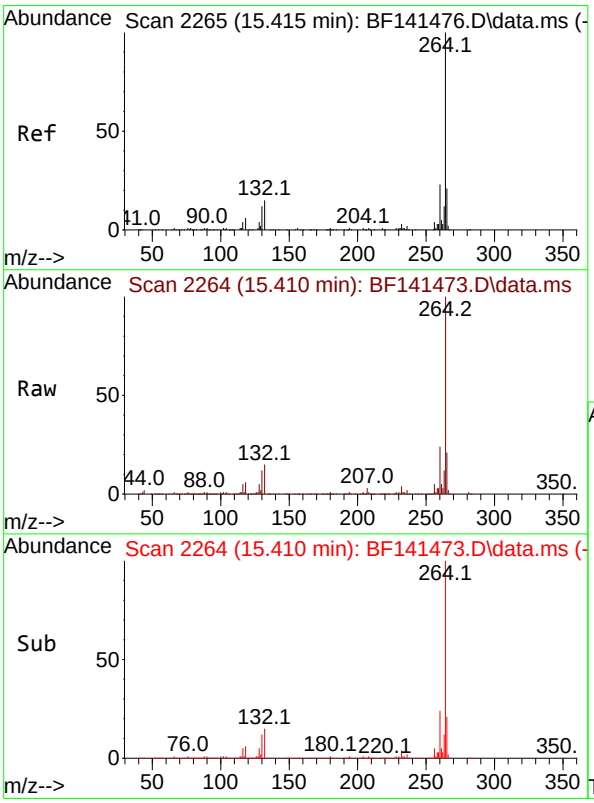
#85
Di-n-octyl phthalate
Concen: 4.229 ng
RT: 14.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

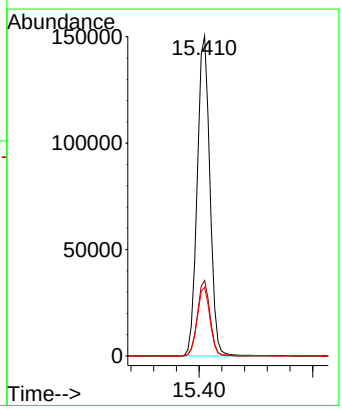


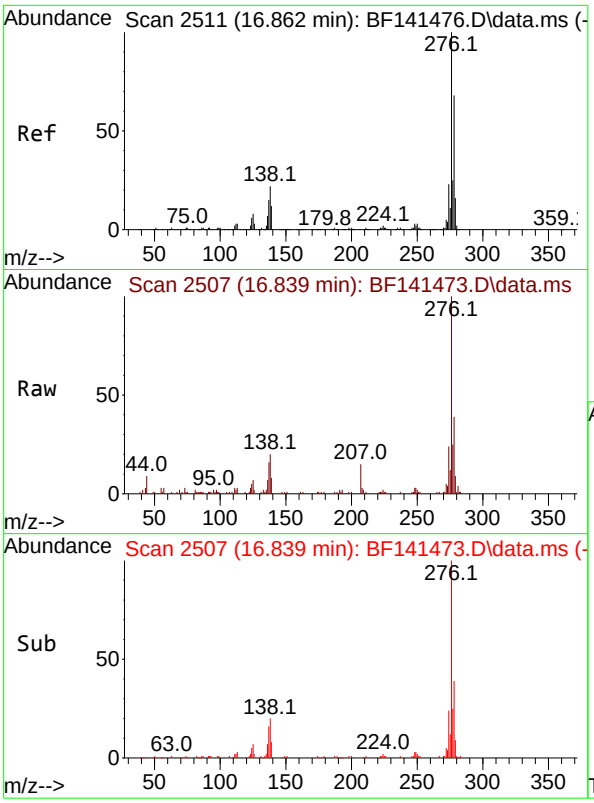


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



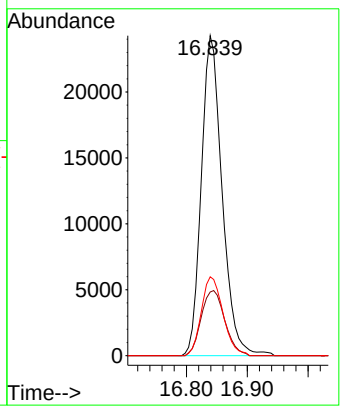


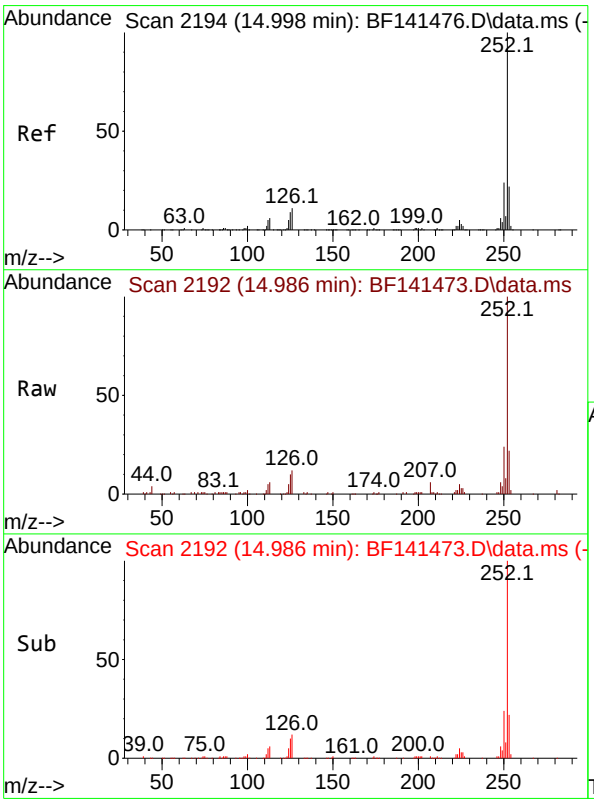
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.993 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

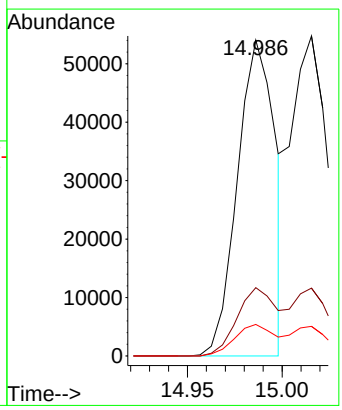


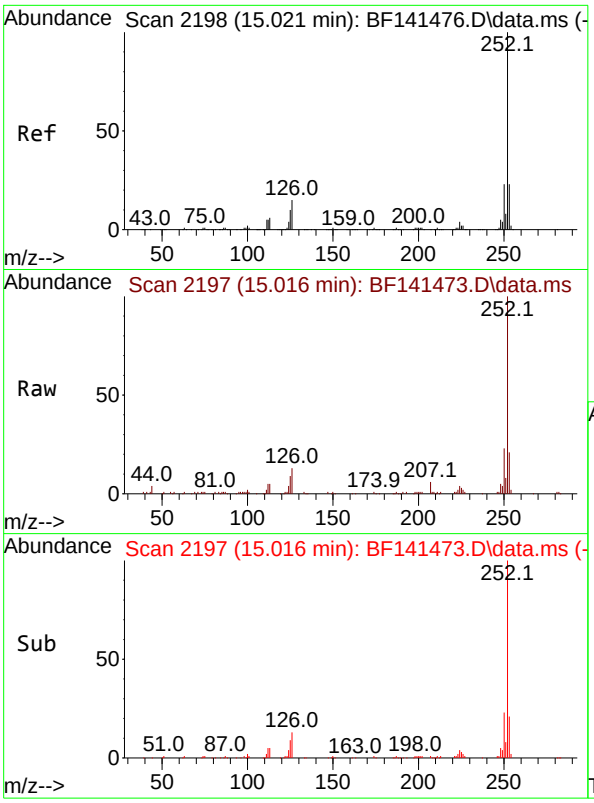


#88
Benzo(b)fluoranthene
Concen: 4.789 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



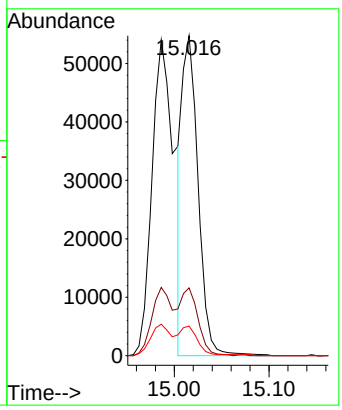


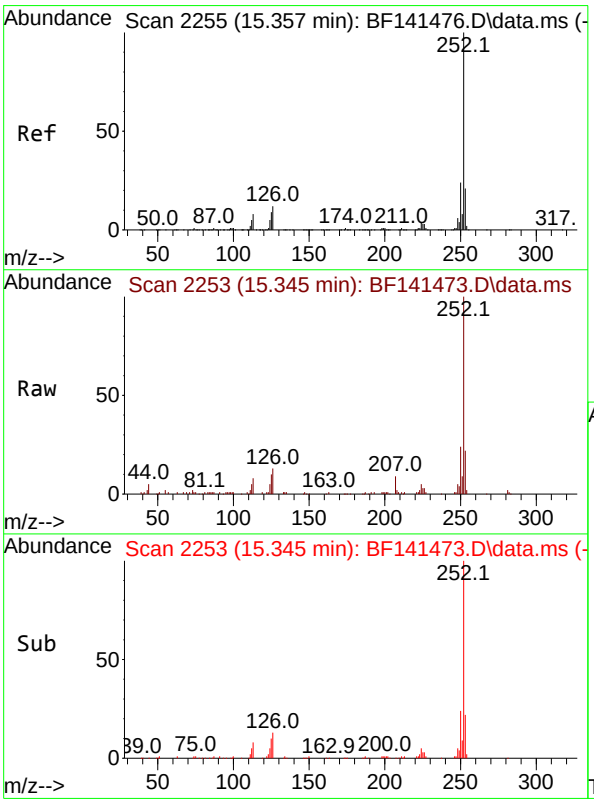
#89
Benzo(k)fluoranthene
Concen: 4.853 ng
RT: 15.016 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

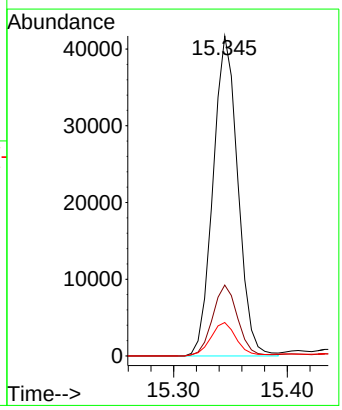


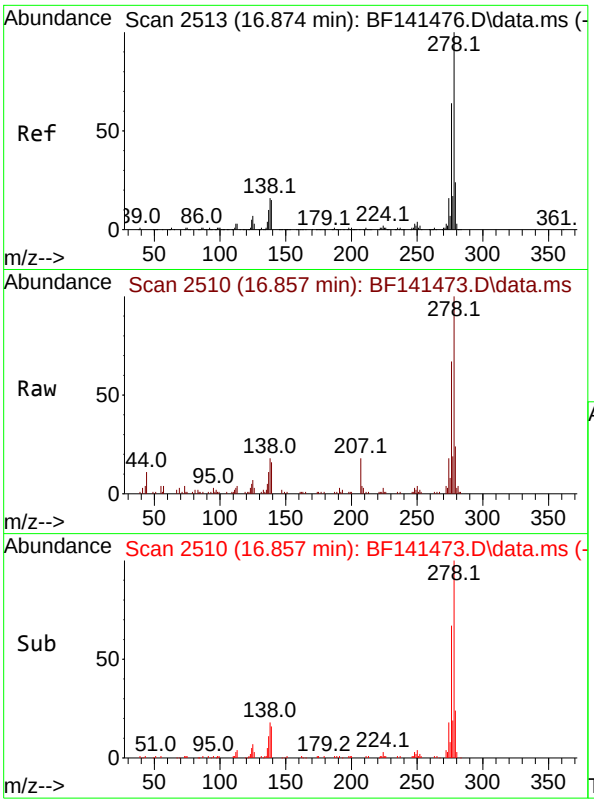


#90
Benzo(a)pyrene
Concen: 4.993 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



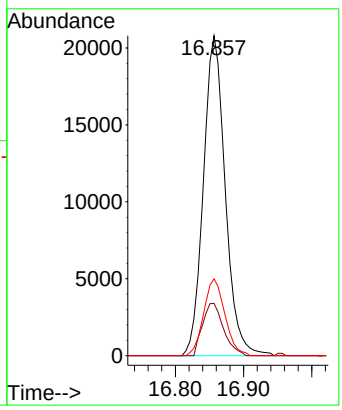


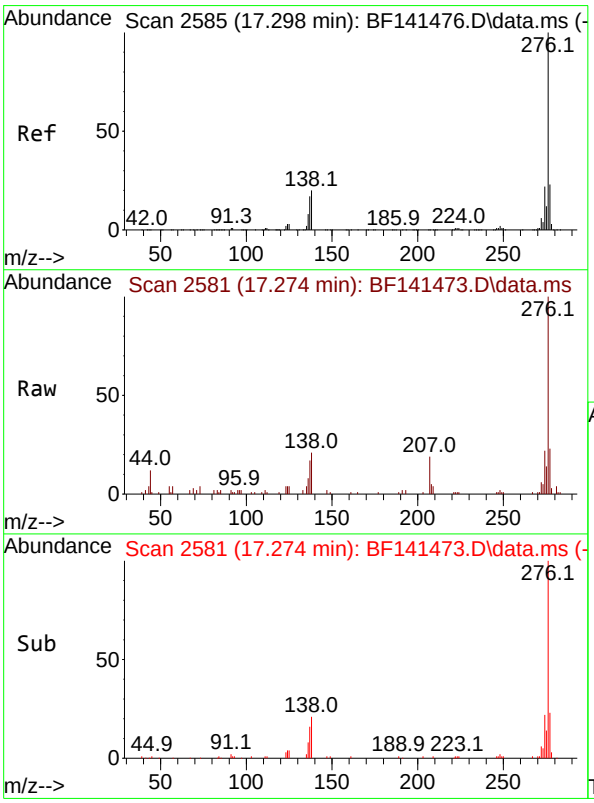
#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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

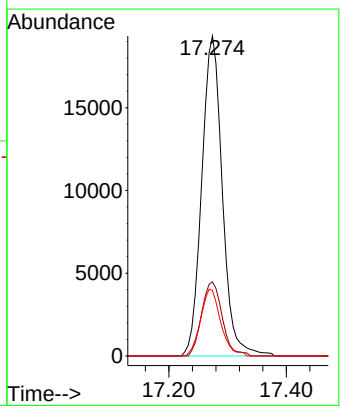




#92
Benzo(g,h,i)perylene
Concen: 3.841 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

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



Quantitation Report (QT Reviewed)

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

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

ICAL Form

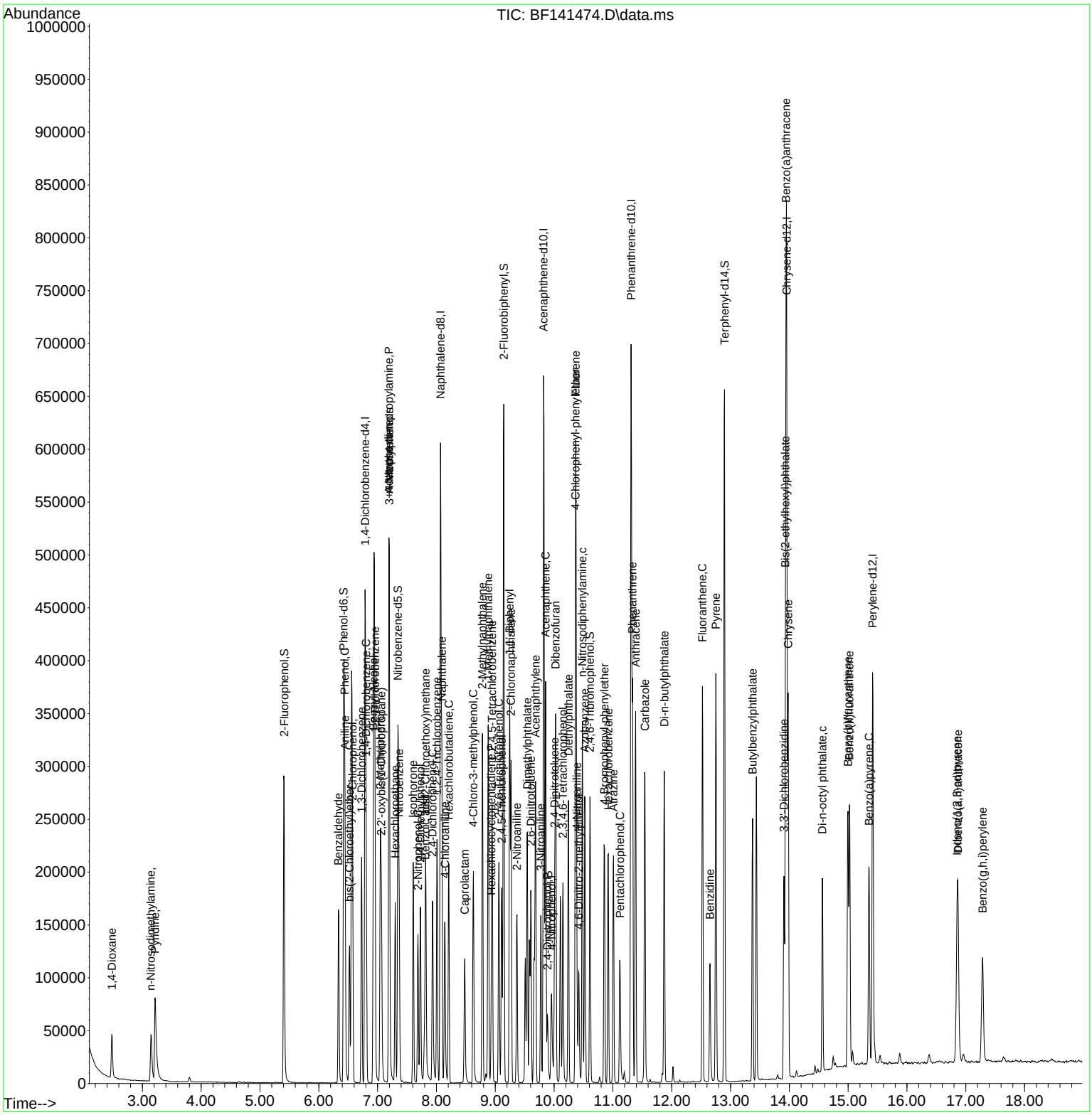
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141474.D
Acq On : 06 Feb 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

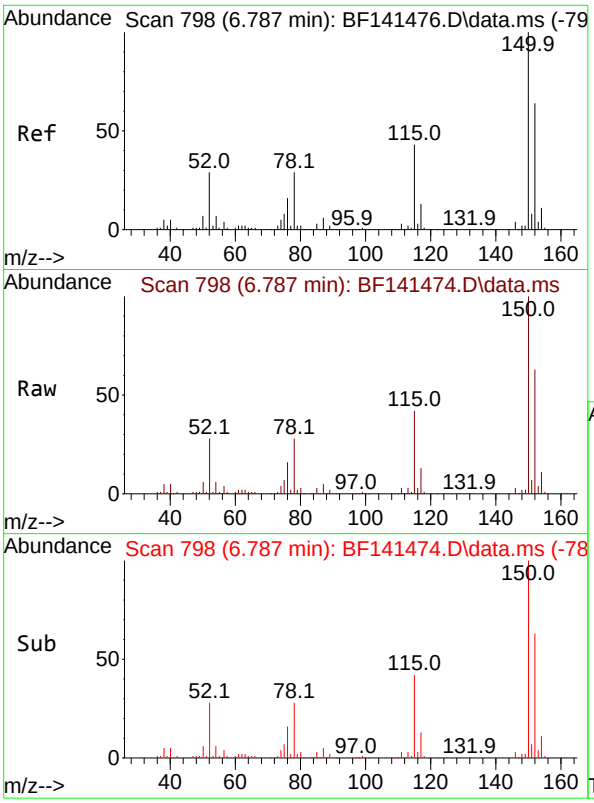
Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

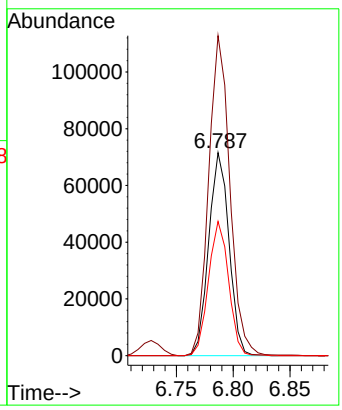




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:152 Resp: 8887

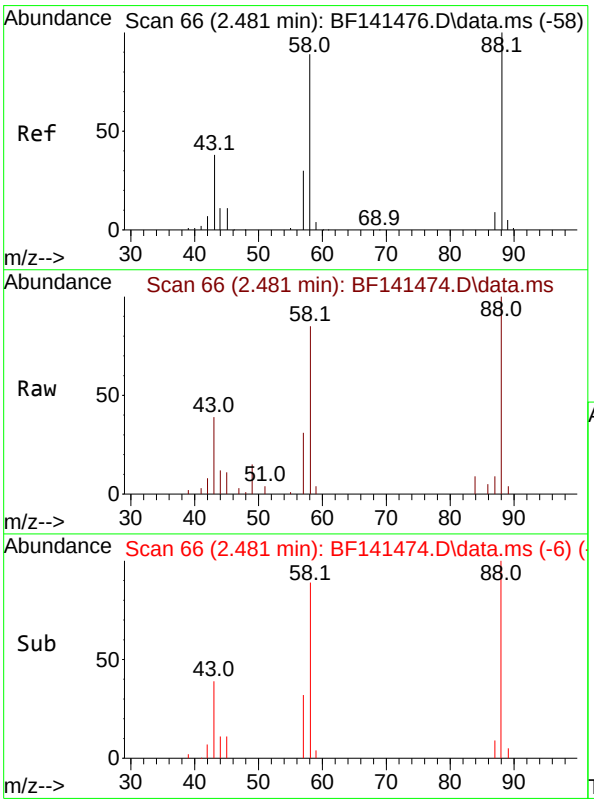
Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.0	187.4
115	66.1	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

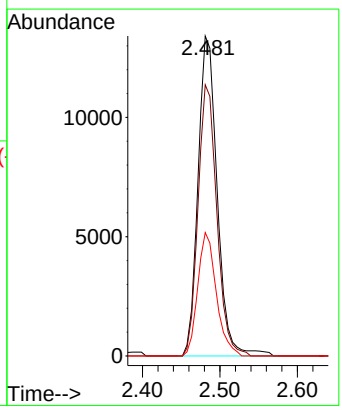
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

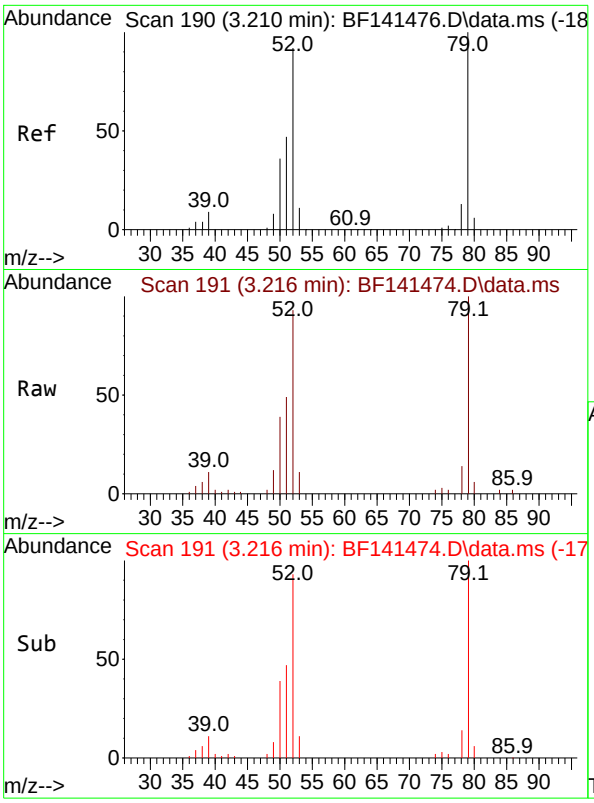


#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

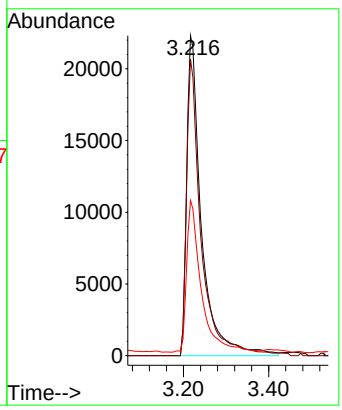




#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 79 Resp: 5353

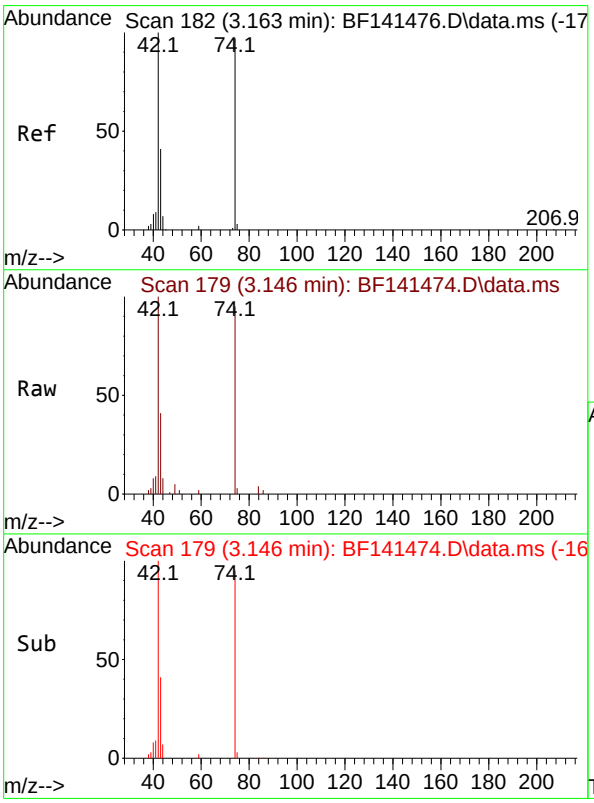
Ion	Ratio	Lower	Upper
79	100		
52	92.7	73.7	110.5
51	48.5	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

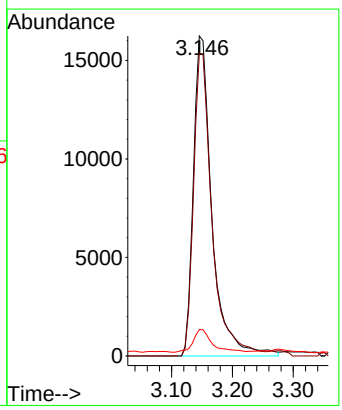
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

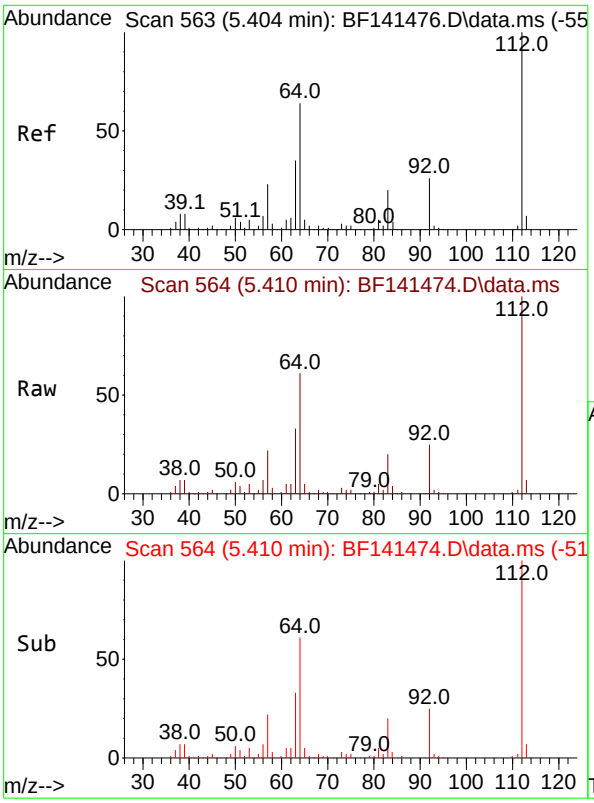


#4
n-Nitrosodimethylamine
Concen: 9.564 ng
RT: 3.146 min Scan# 179
Delta R.T. -0.041 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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#

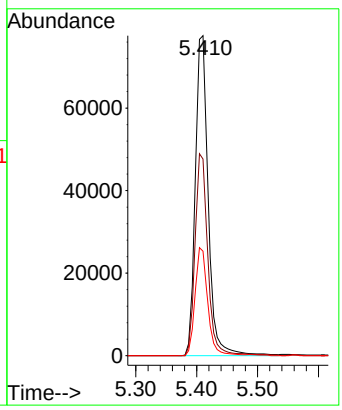




#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:112 Resp: 11466

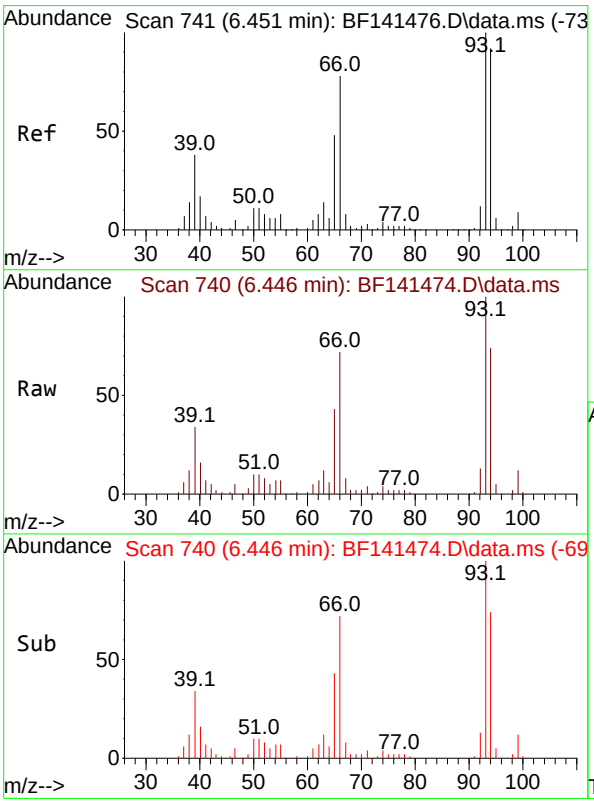
Ion	Ratio	Lower	Upper
112	100		
64	61.5	51.1	76.7
63	32.6	28.4	42.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

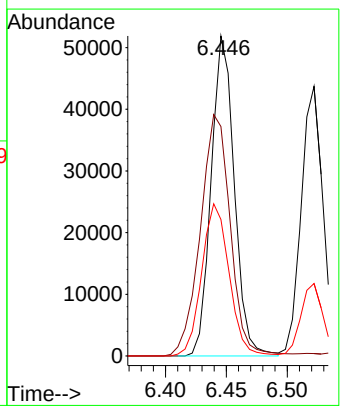
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

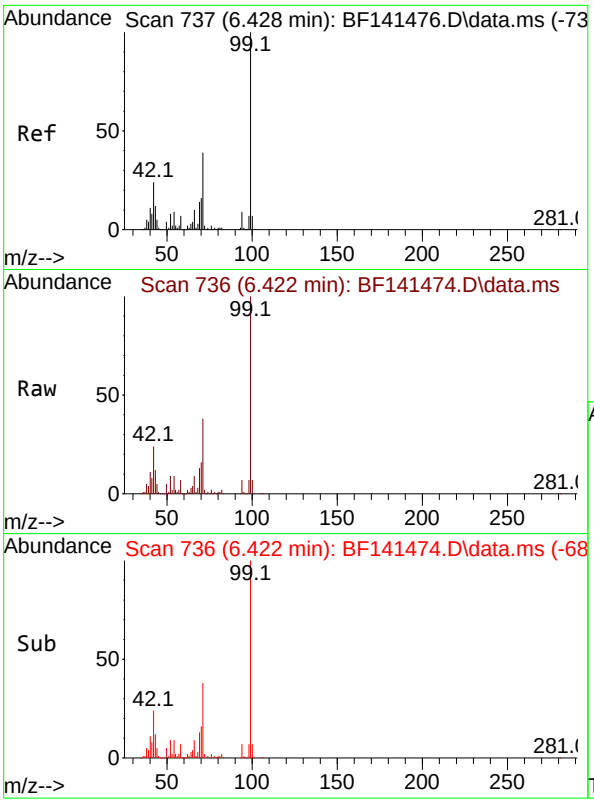


#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

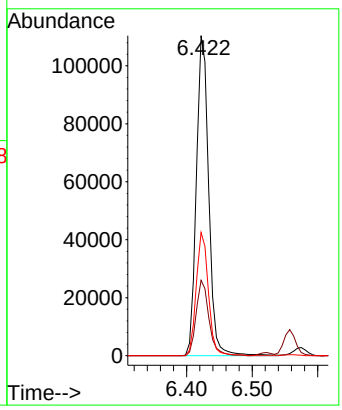




#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 99 Resp: 14480

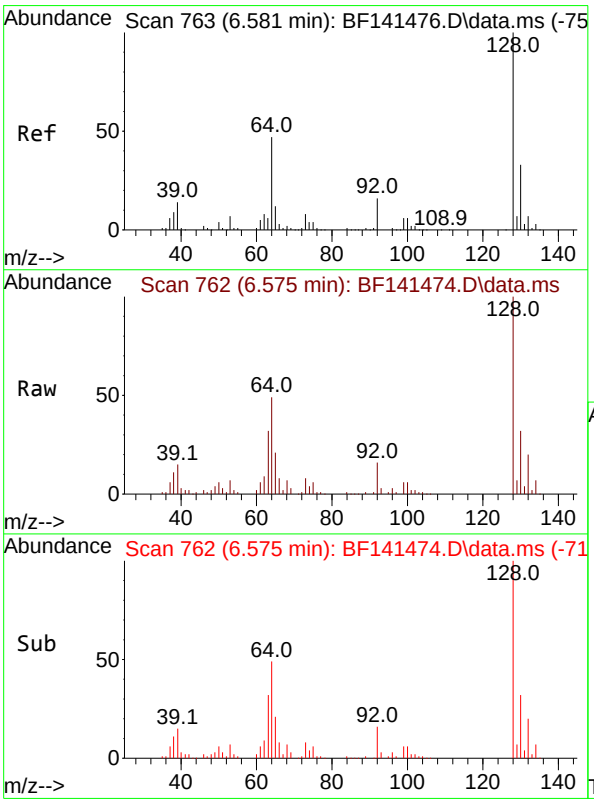
Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.1	28.7
71	38.5	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

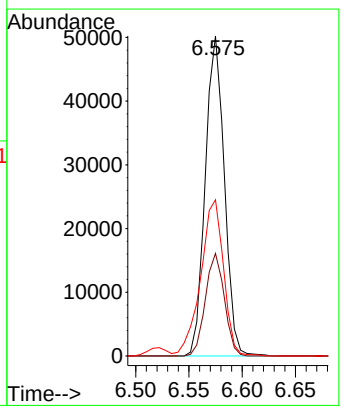
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

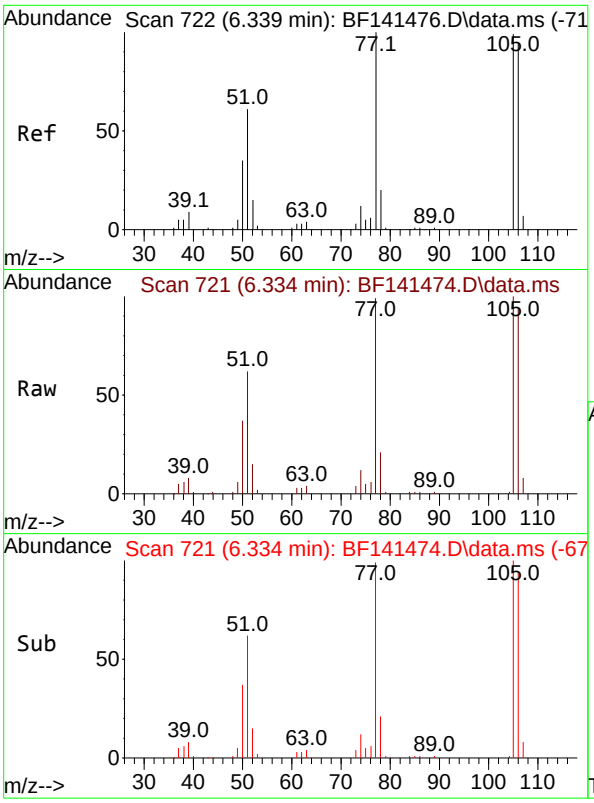


#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

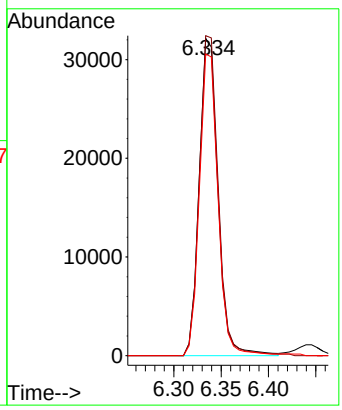




#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 4411

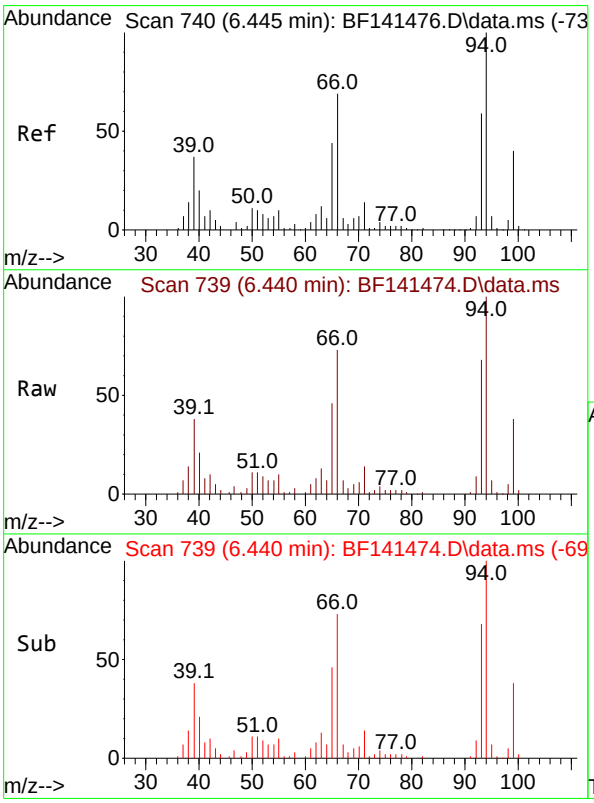
Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	95.1	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

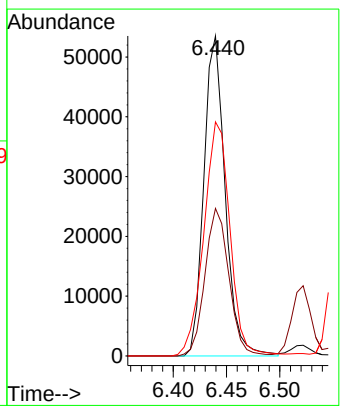
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

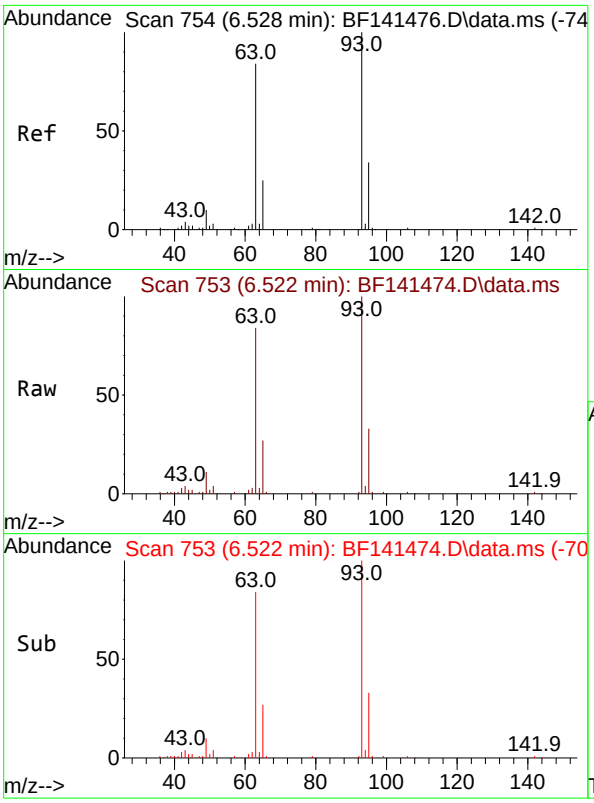


#10
Phenol
Concen: 10.015 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

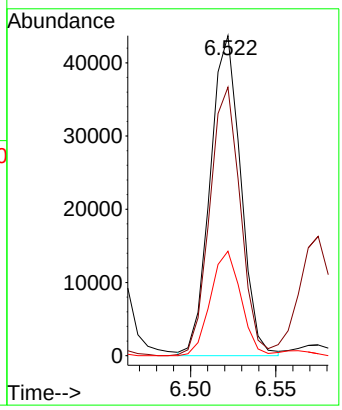




#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 93 Resp: 5462

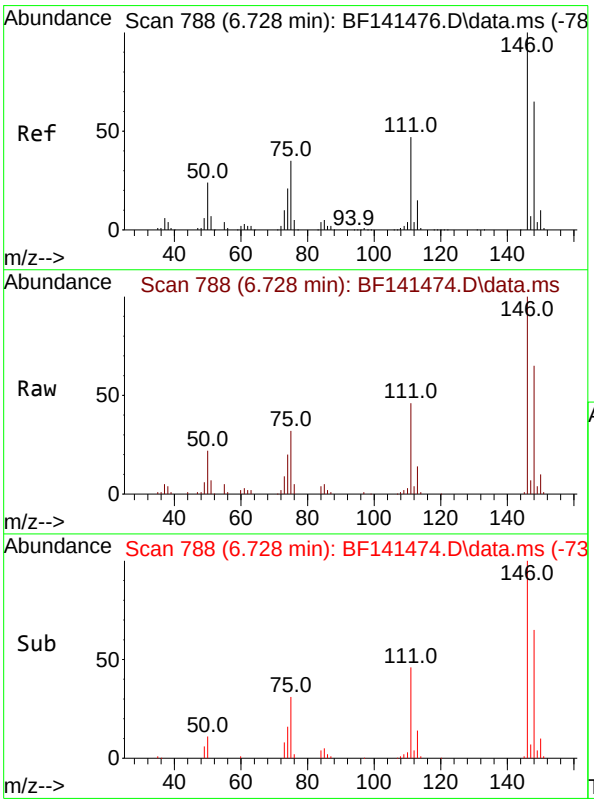
Ion	Ratio	Lower	Upper
93	100		
63	83.9	62.0	102.0
95	32.6	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

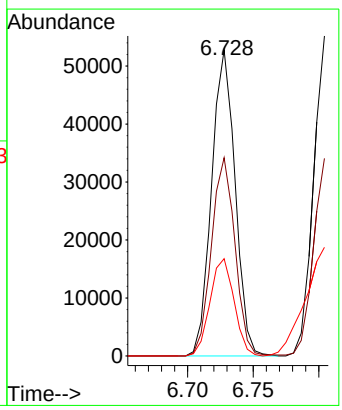
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

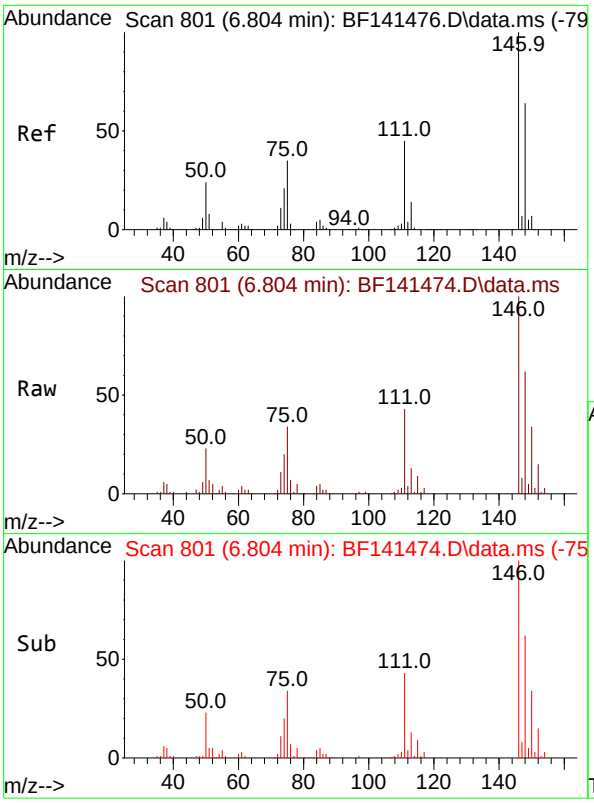


#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

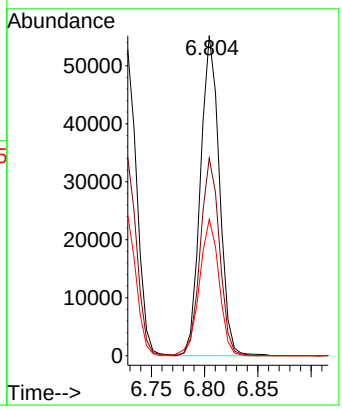




#13
1,4-Dichlorobenzene
Concen: 10.341 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:146 Resp: 6833

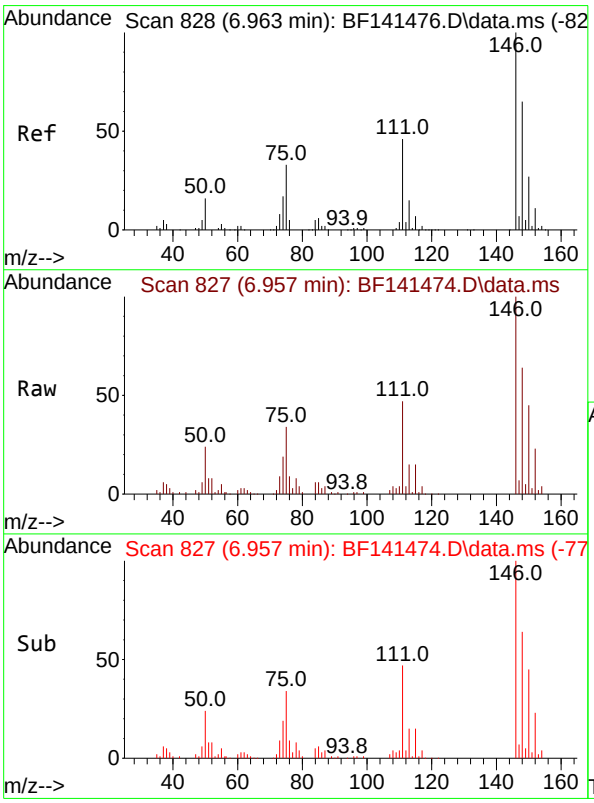
Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.9	76.3
111	42.6	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

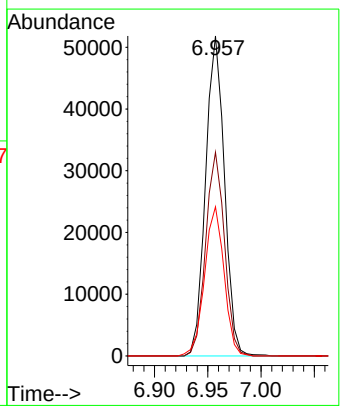
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

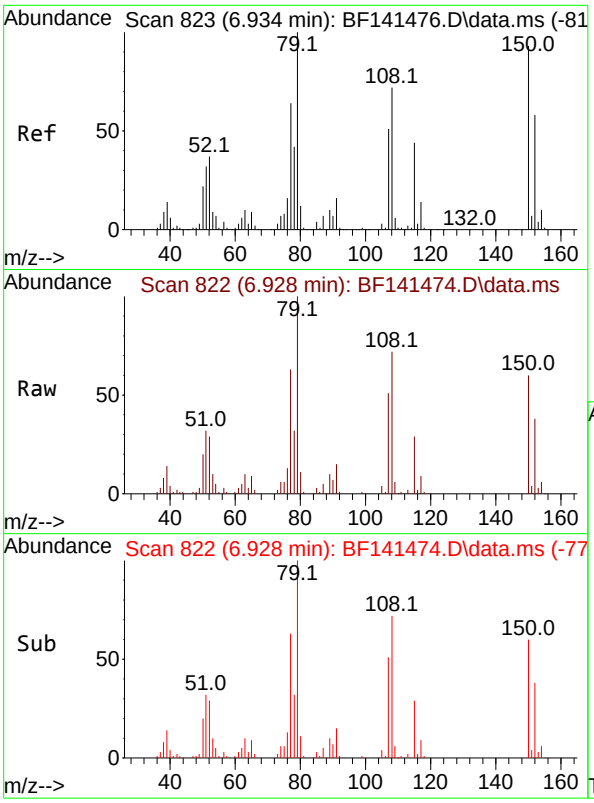


#14
1,2-Dichlorobenzene
Concen: 10.428 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

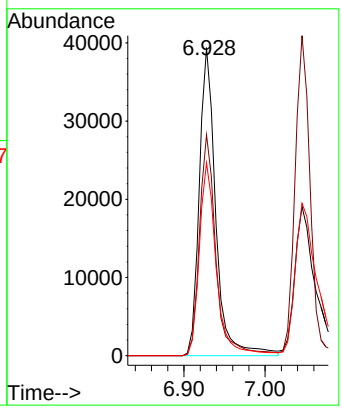




#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 79 Resp: 5558

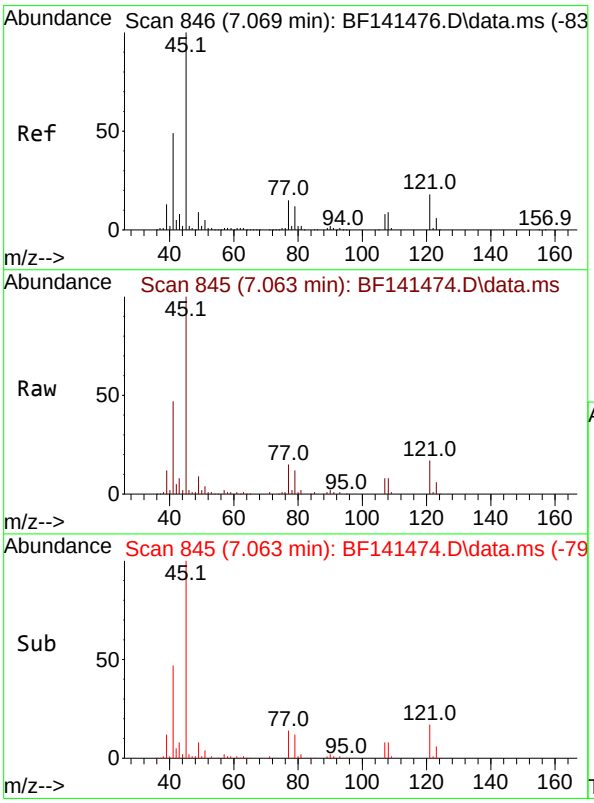
Ion	Ratio	Lower	Upper
79	100		
108	71.7	57.4	86.2
77	62.6	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

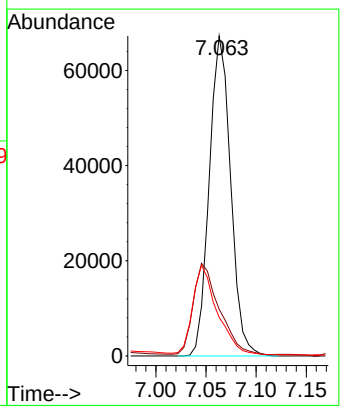
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

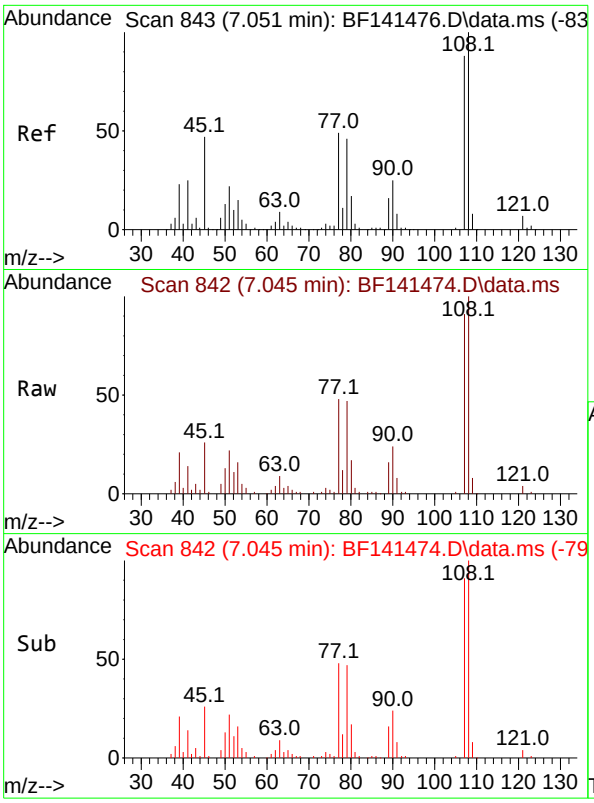


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.406 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

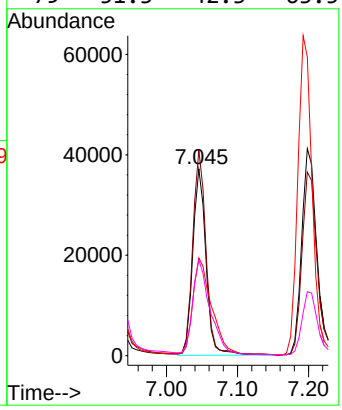




#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:107 Resp: 4837

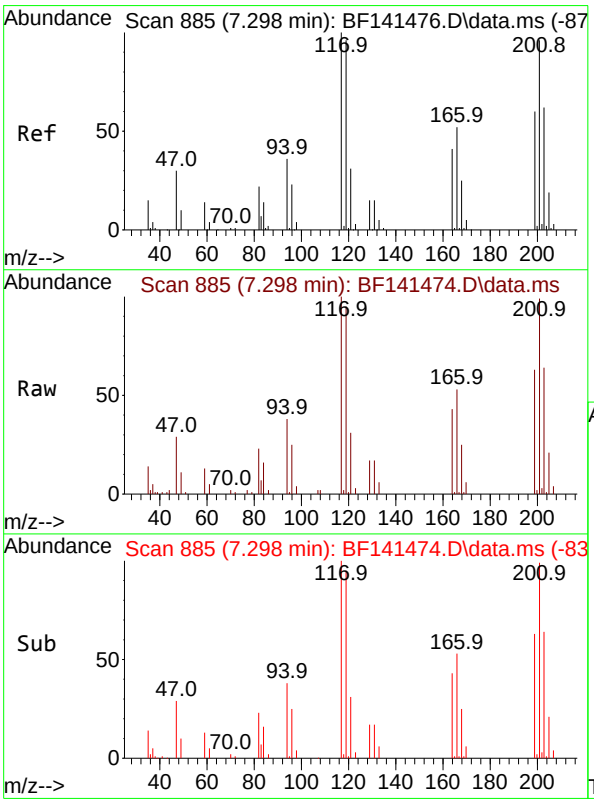
Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.6	136.0
77	52.4	44.4	66.6
79	51.3	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

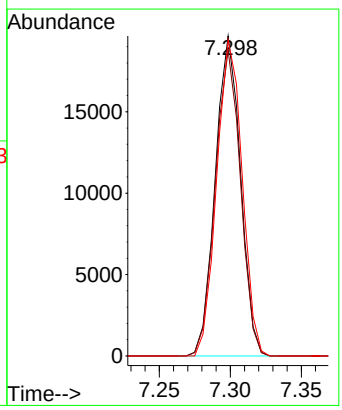
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

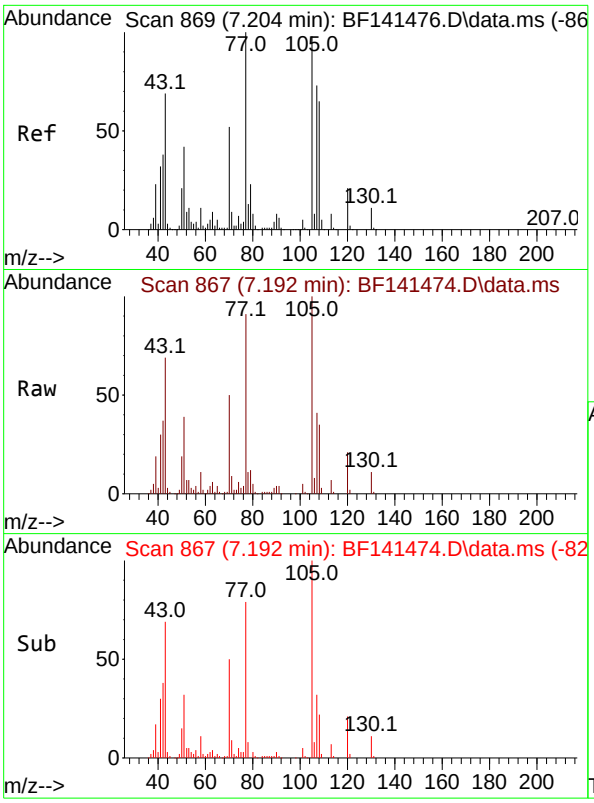


#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

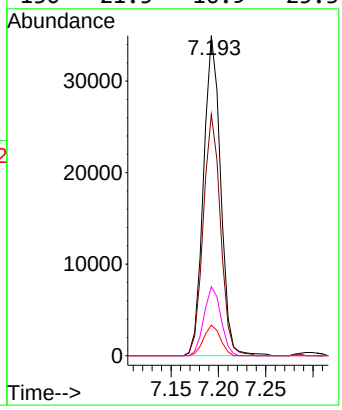




#19
n-Nitroso-di-n-propylamine
Concen: 10.210 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 70 Resp: 4376

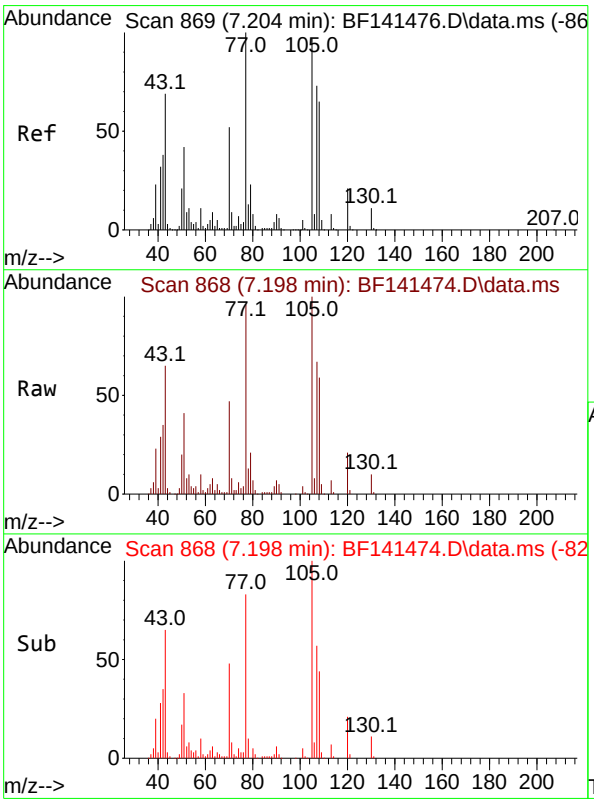
Ion	Ratio	Lower	Upper
70	100		
42	75.4	57.4	86.2
101	9.5	8.0	12.0
130	21.5	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

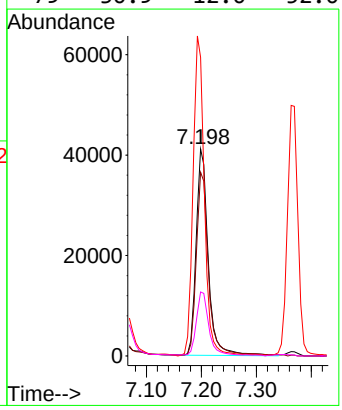
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

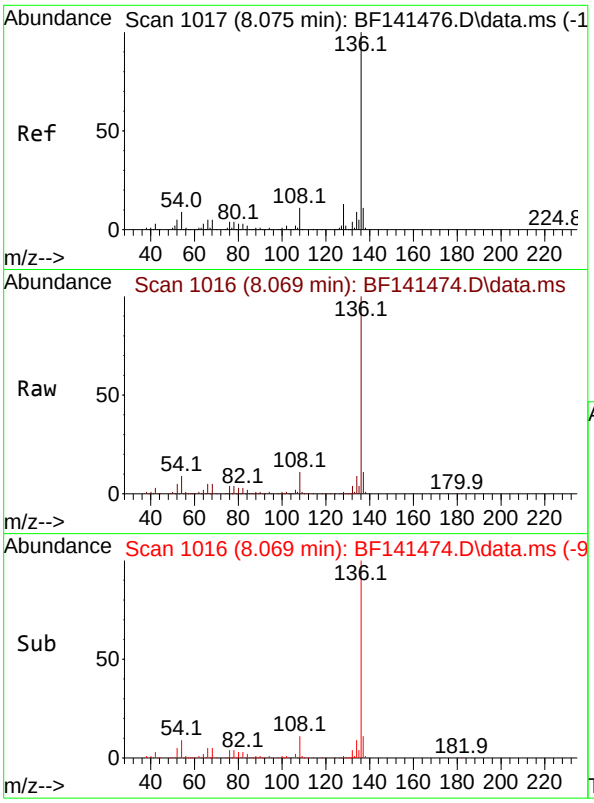


#20
3+4-Methylphenols
Concen: 10.332 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

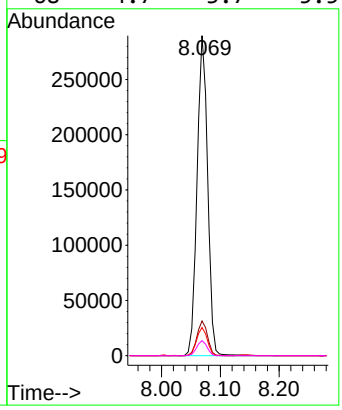




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:136 Resp: 36119

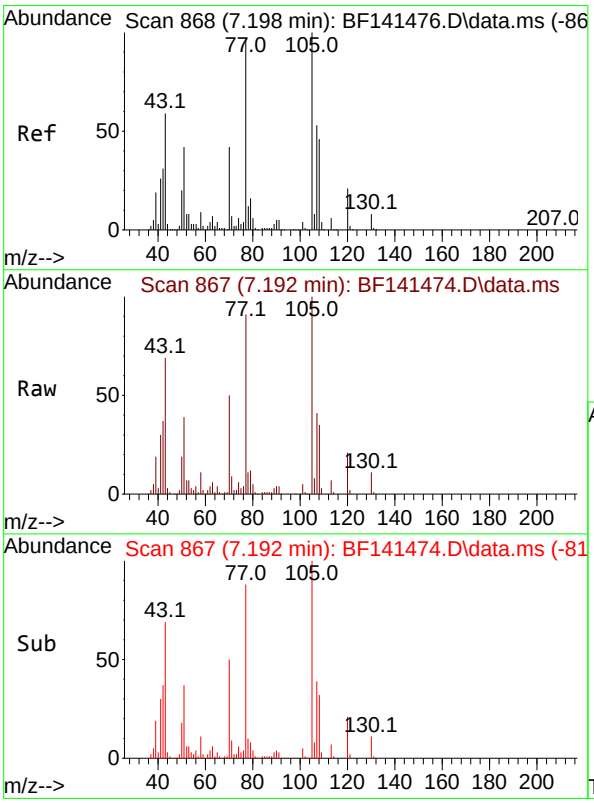
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.2	10.8
68	4.7	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

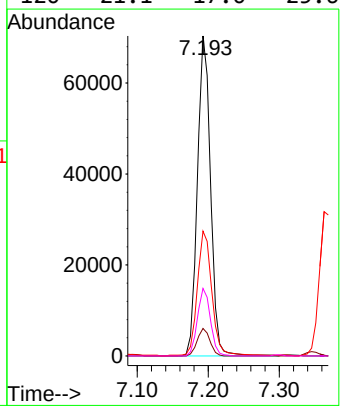
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

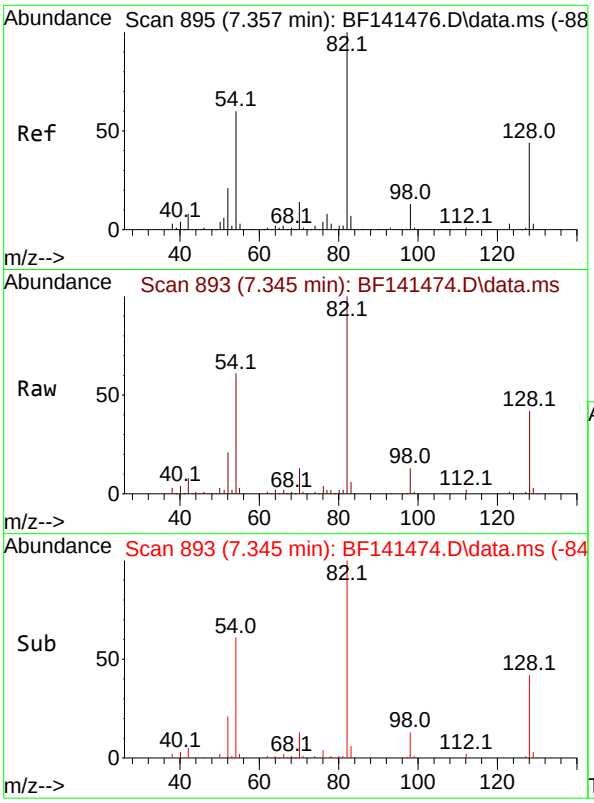


#22
Acetophenone
Concen: 10.085 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

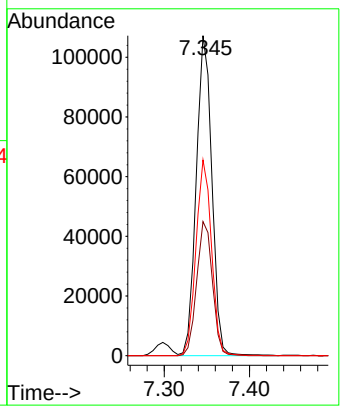




#23
Nitrobenzene-d5
Concen: 19.783 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 82 Resp: 13699

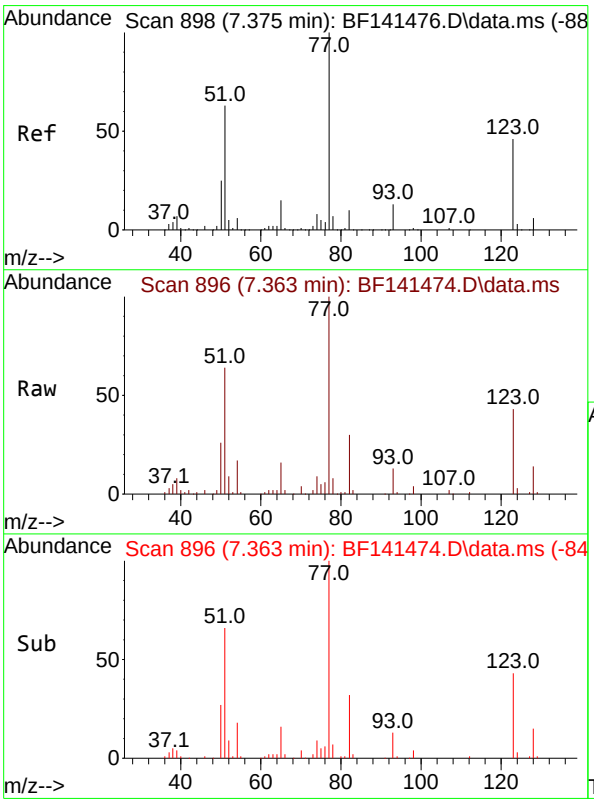
Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.8	52.2
54	61.2	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

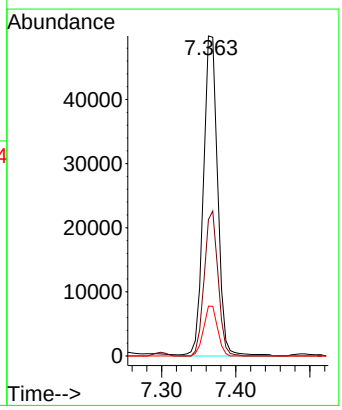
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

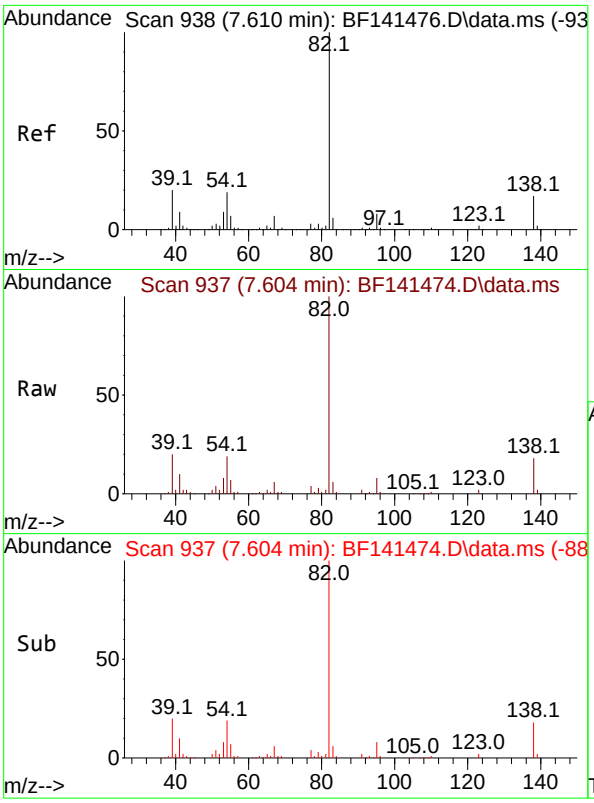


#24
Nitrobenzene
Concen: 9.927 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

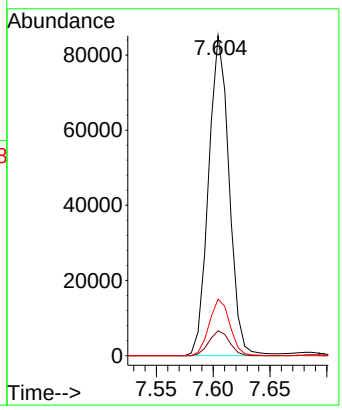




#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 82 Resp: 10724

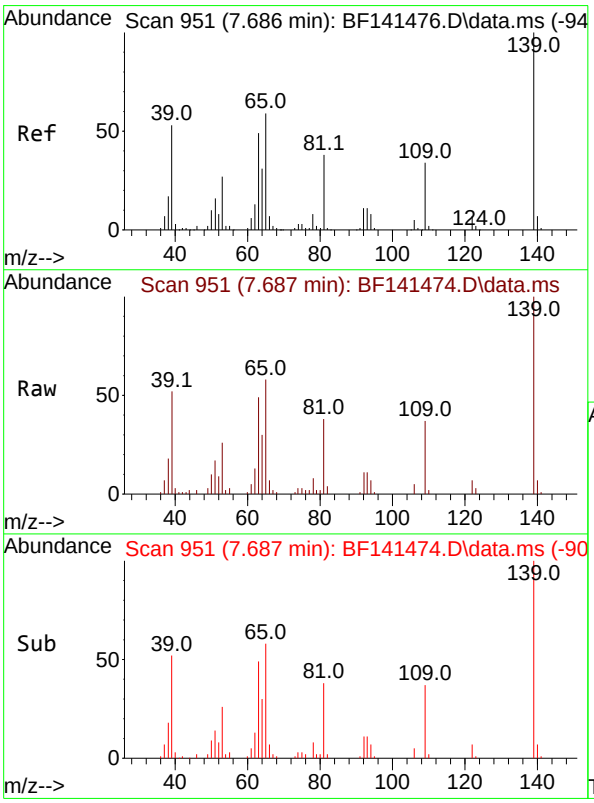
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.7	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

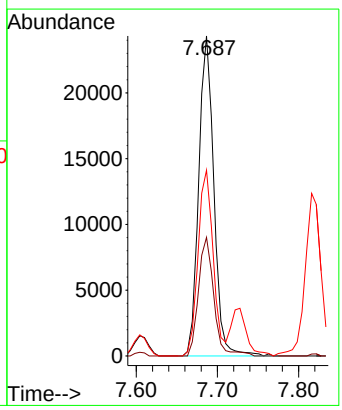
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

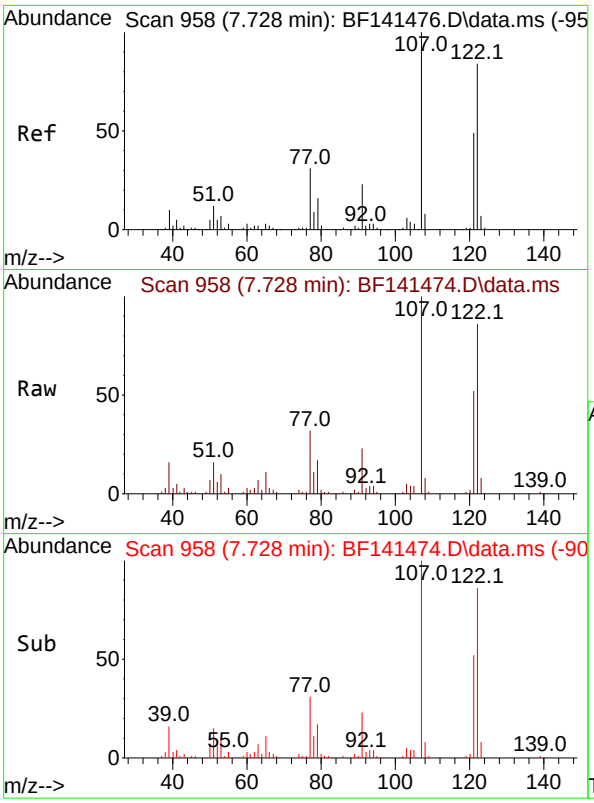


#26
2-Nitrophenol
Concen: 9.403 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

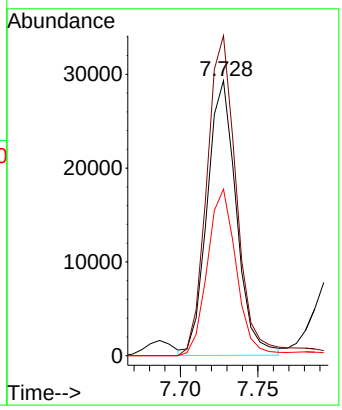




#27
2,4-Dimethylphenol
Concen: 9.759 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:122 Resp: 3830

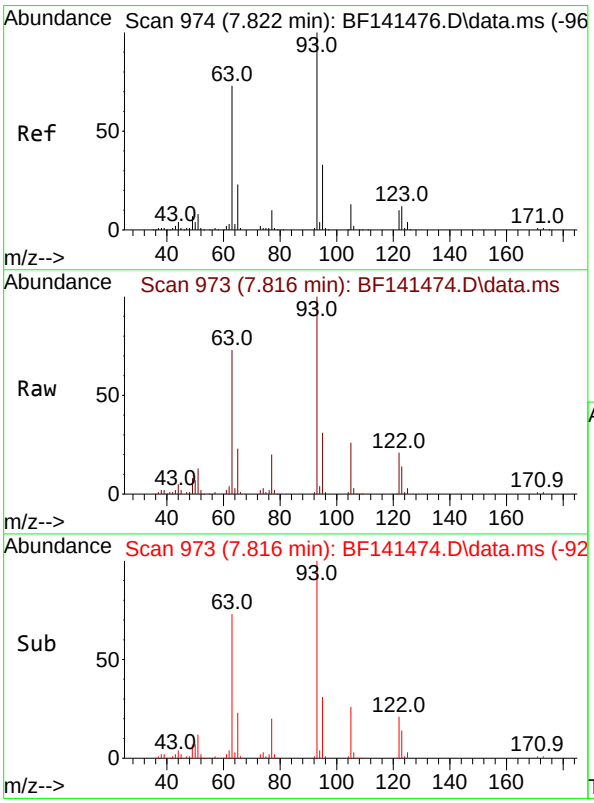
Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	60.5	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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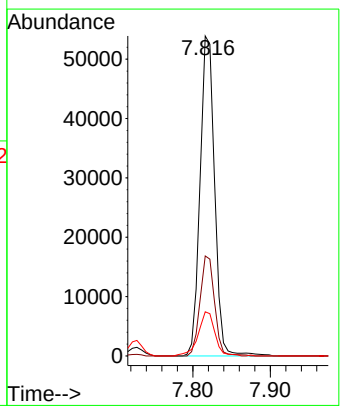
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

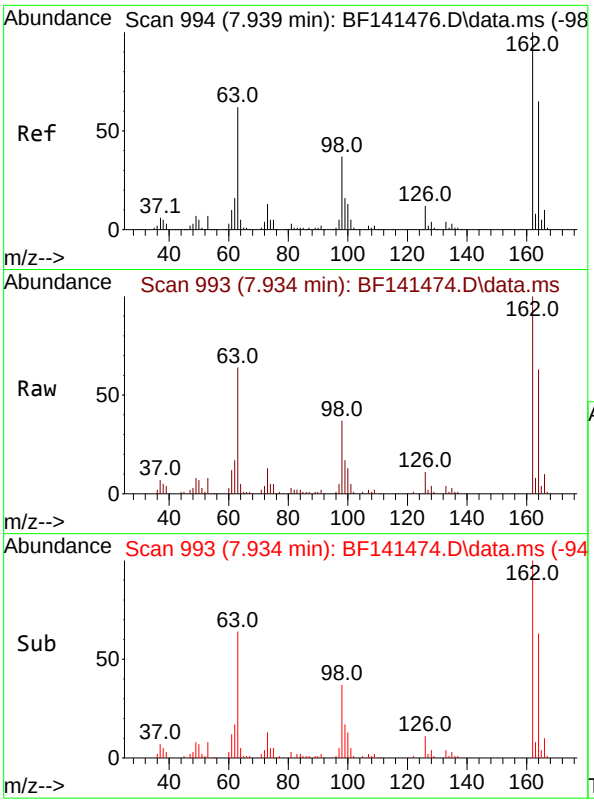


#28
bis(2-Chloroethoxy)methane
Concen: 9.958 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

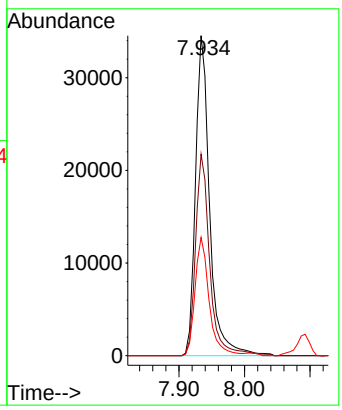




#29
2,4-Dichlorophenol
Concen: 9.784 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:162 Resp: 5188

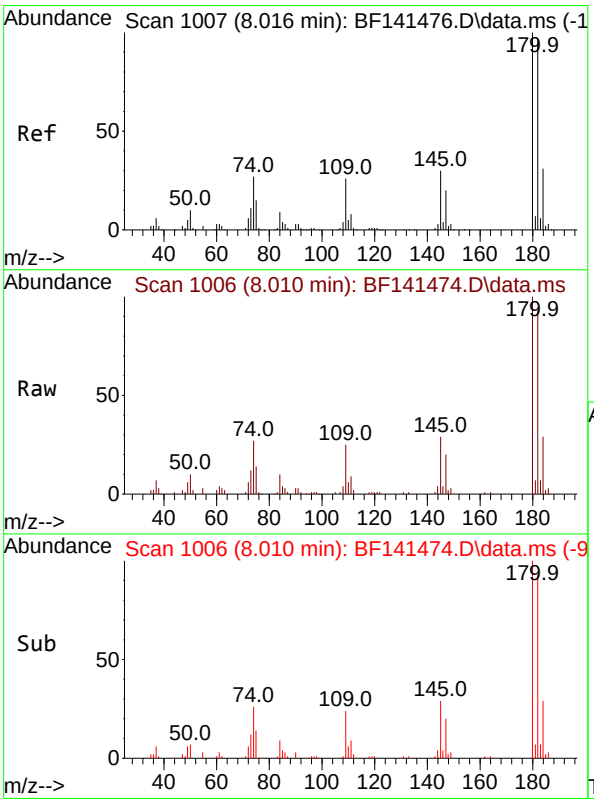
Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	36.9	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
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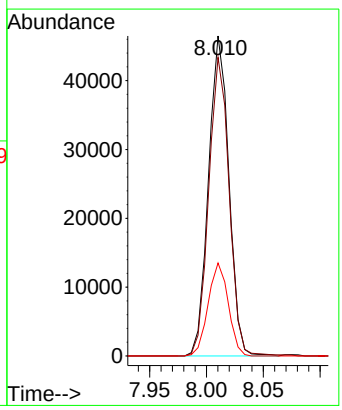
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

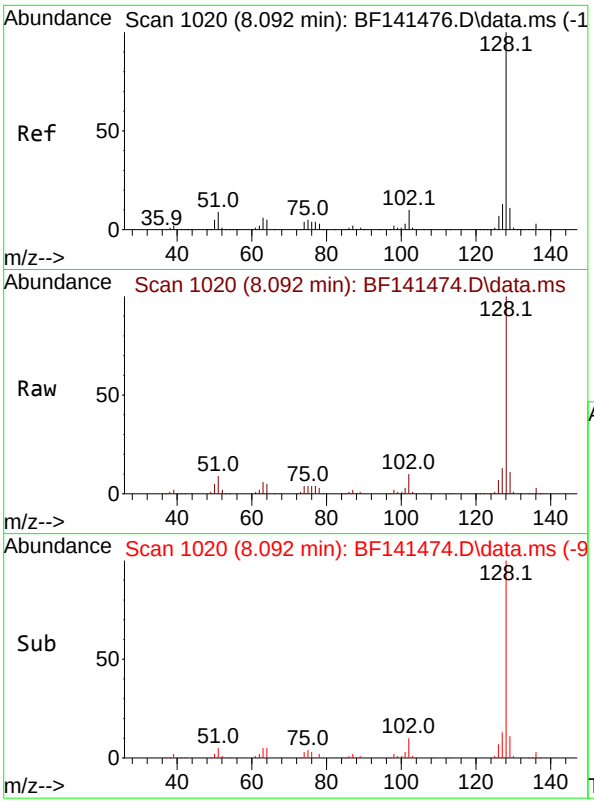


#30
1,2,4-Trichlorobenzene
Concen: 10.033 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

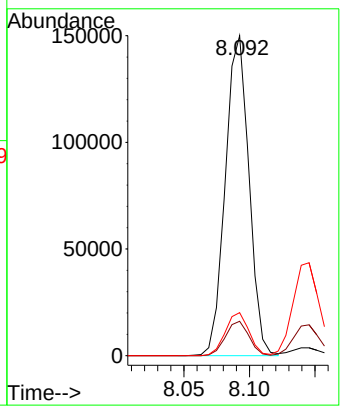
Tgt Ion:128 Resp: 18804(

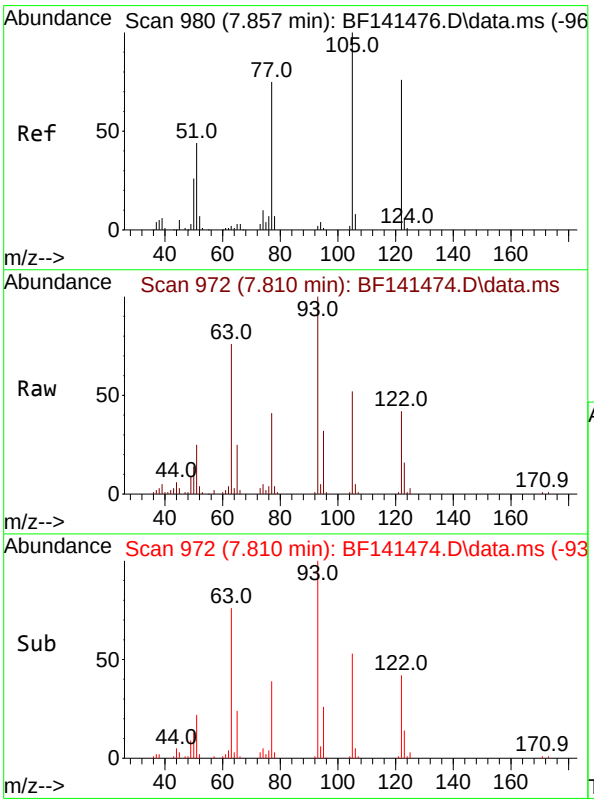
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.5	10.7	16.1

Instrument :
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ClientSampleId :
SSTDICC010

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

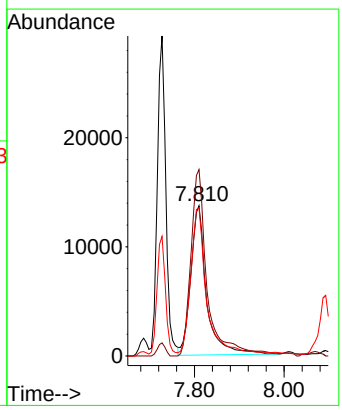


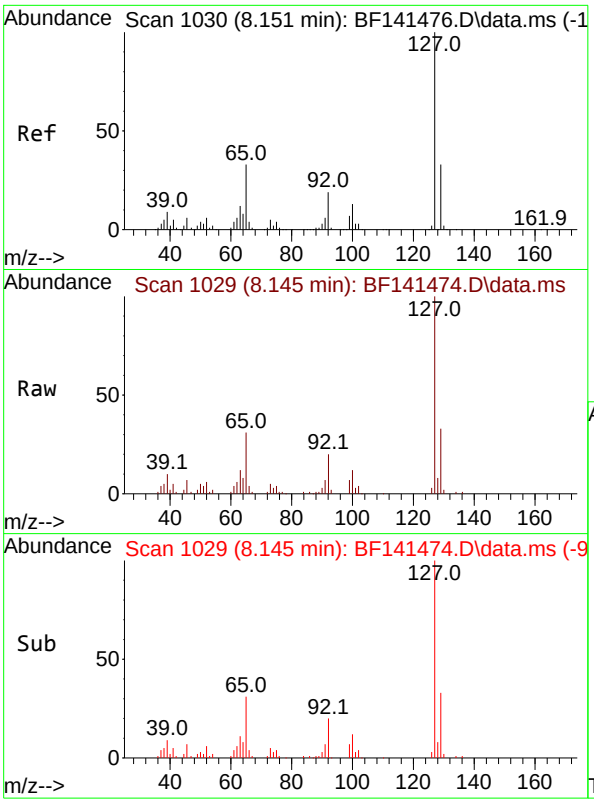


#32
Benzoic acid
Concen: 8.253 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

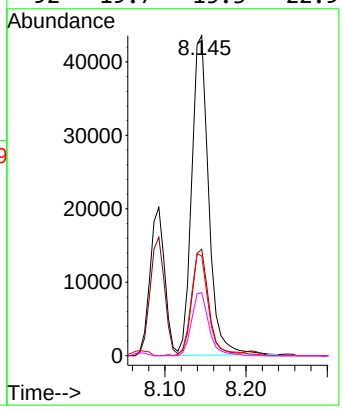




#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:127 Resp: 6352

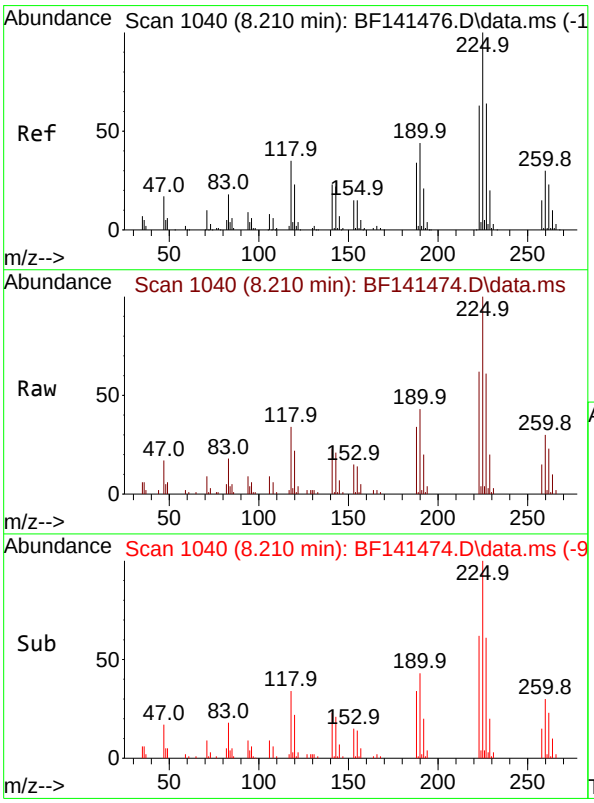
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.5	39.7
65	31.2	26.4	39.6
92	19.7	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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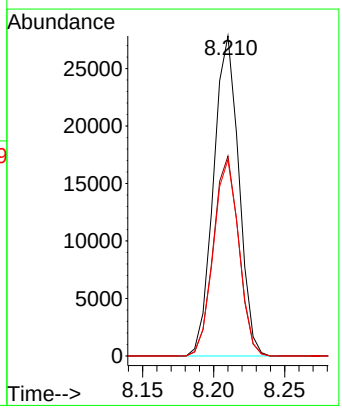
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

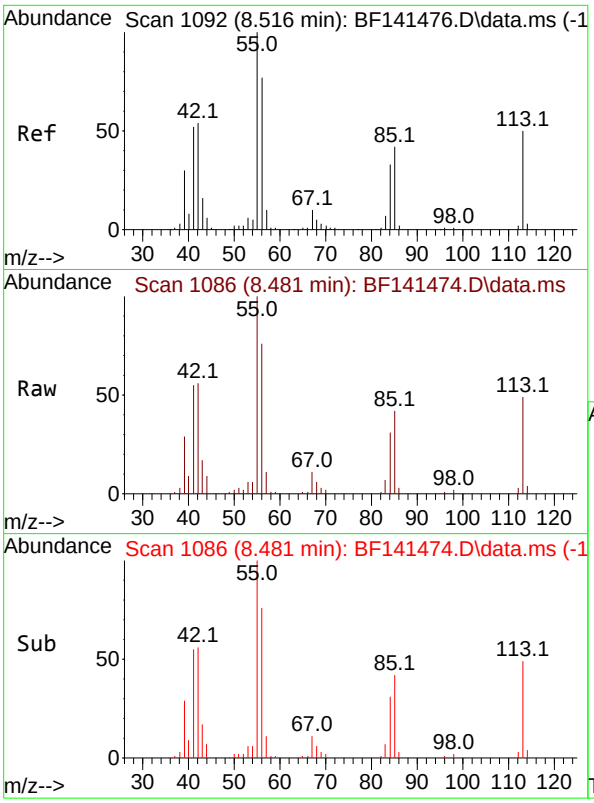


#34
Hexachlorobutadiene
Concen: 9.932 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

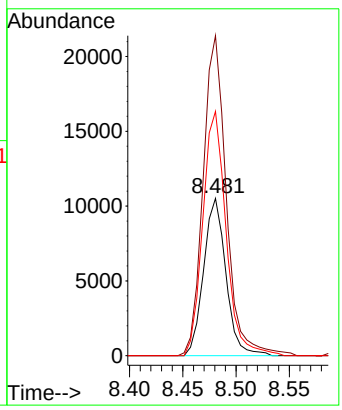




#35
Caprolactam
Concen: 9.495 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.065 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:113 Resp: 1533

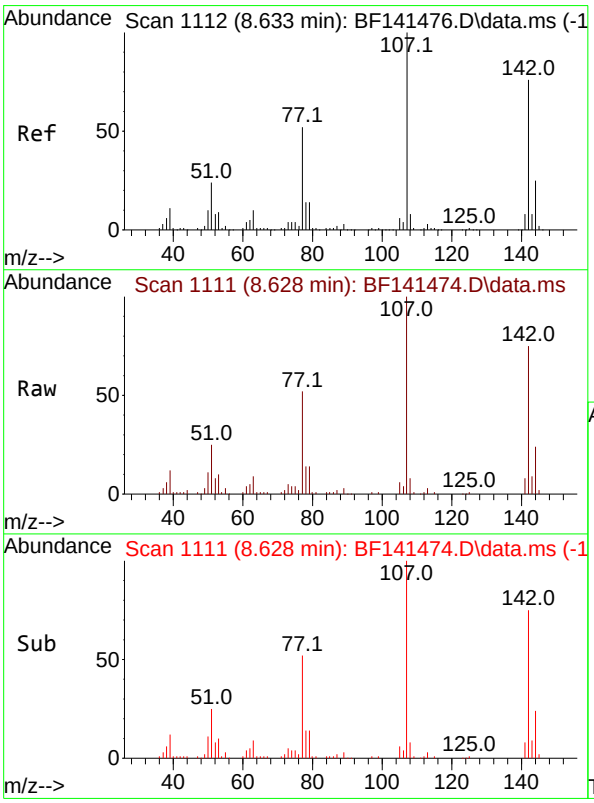
Ion	Ratio	Lower	Upper
113	100		
55	203.4	180.8	220.8
56	155.4	133.6	173.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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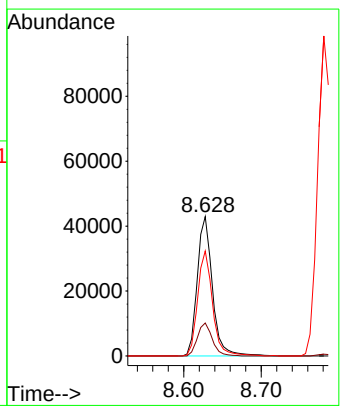
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

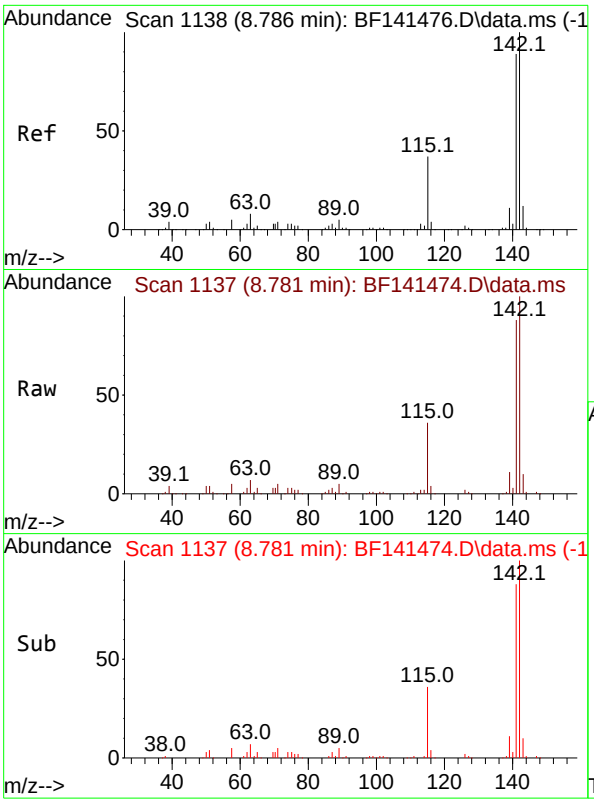


#36
4-Chloro-3-methylphenol
Concen: 9.949 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

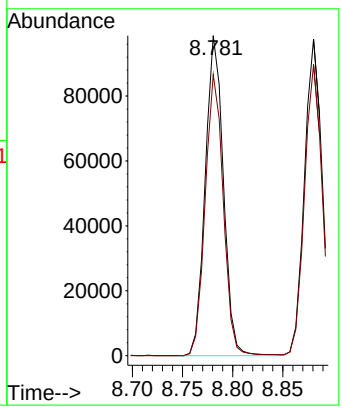




#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 12451

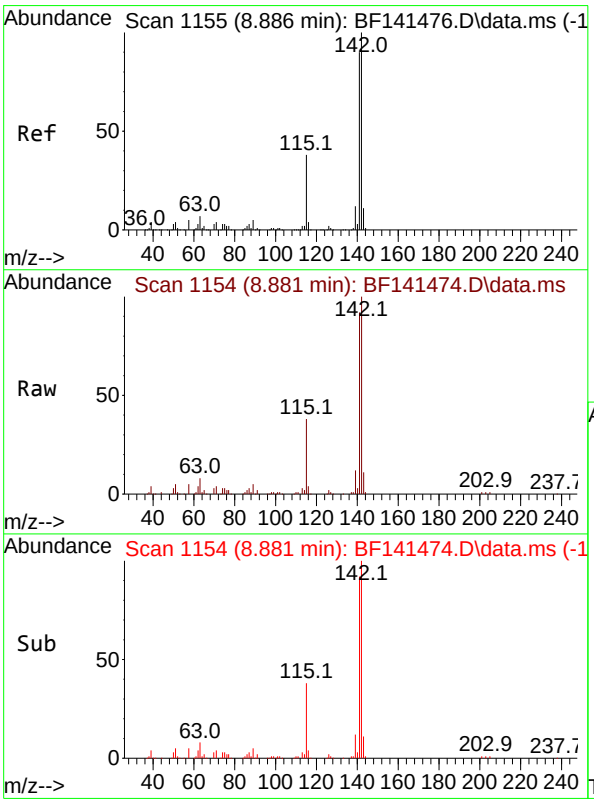
Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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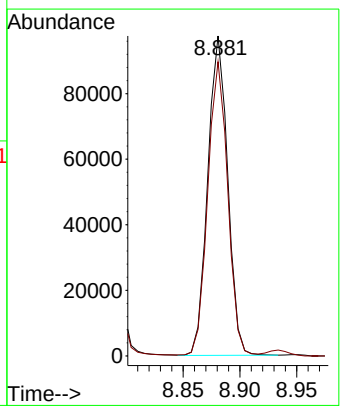
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

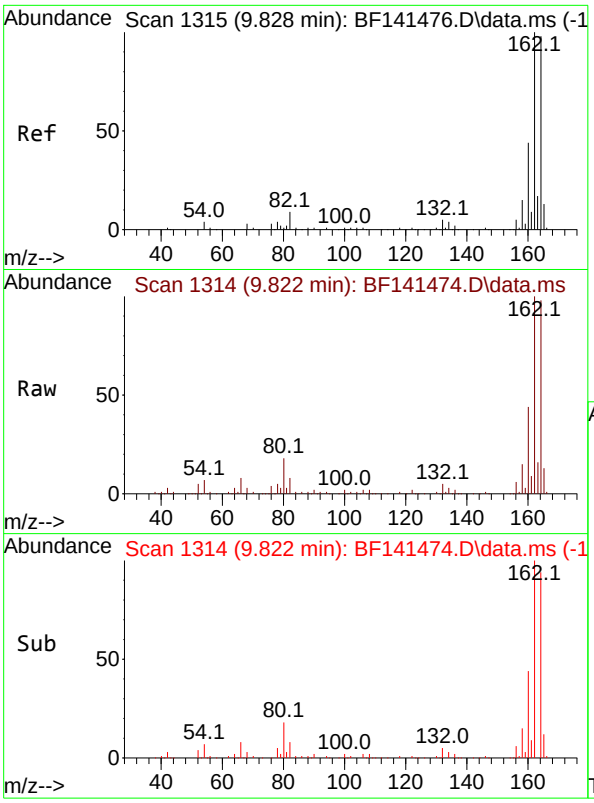


#38
1-Methylnaphthalene
Concen: 10.019 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 118722

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.1	108.1

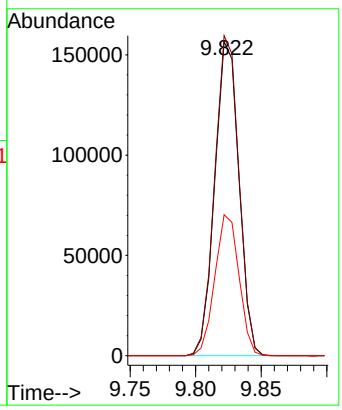




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:164 Resp: 20004

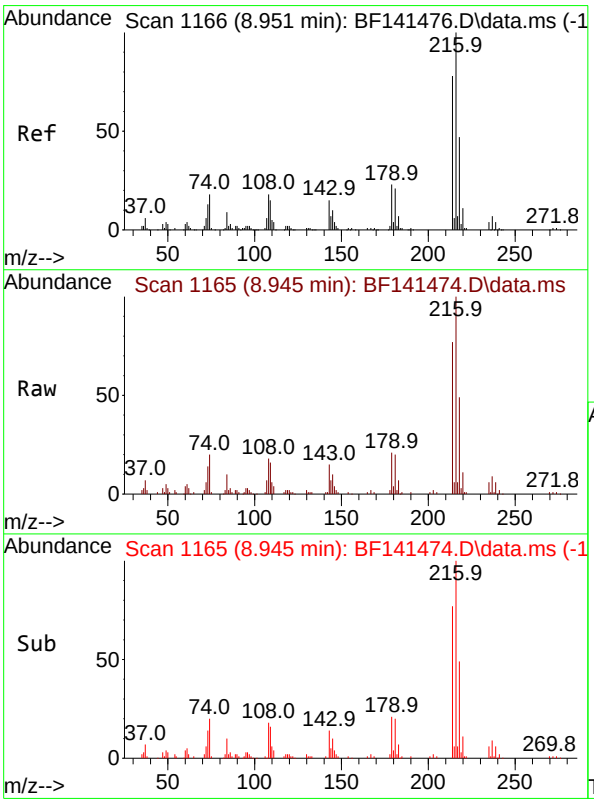
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.3	121.9
160	44.9	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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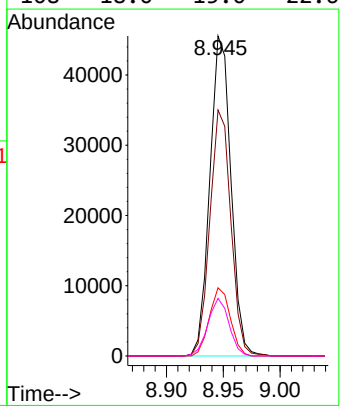
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

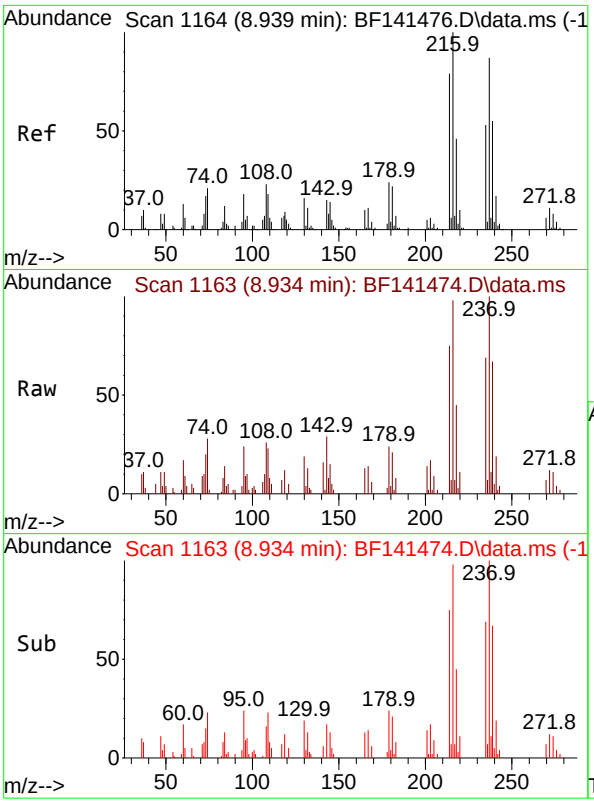


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.160 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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# 1
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

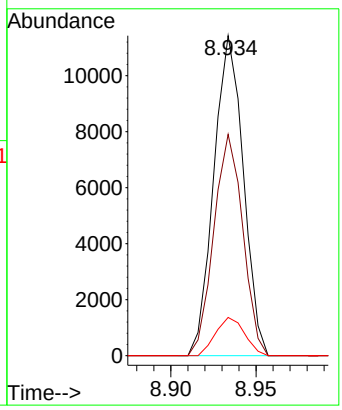
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

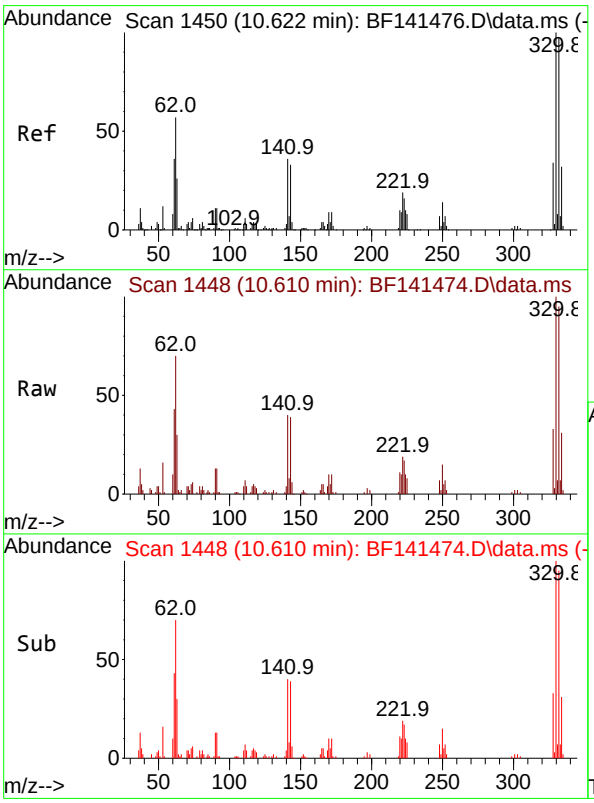
Tgt Ion:237 Resp: 1378

Ion	Ratio	Lower	Upper
237	100		
235	69.2	41.4	81.4
272	11.9	0.0	32.4

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

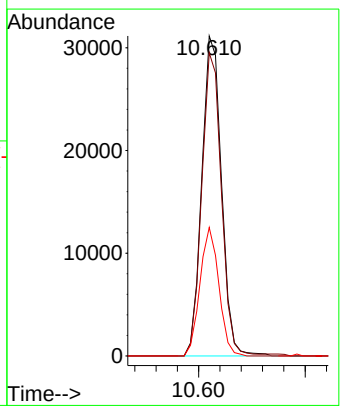


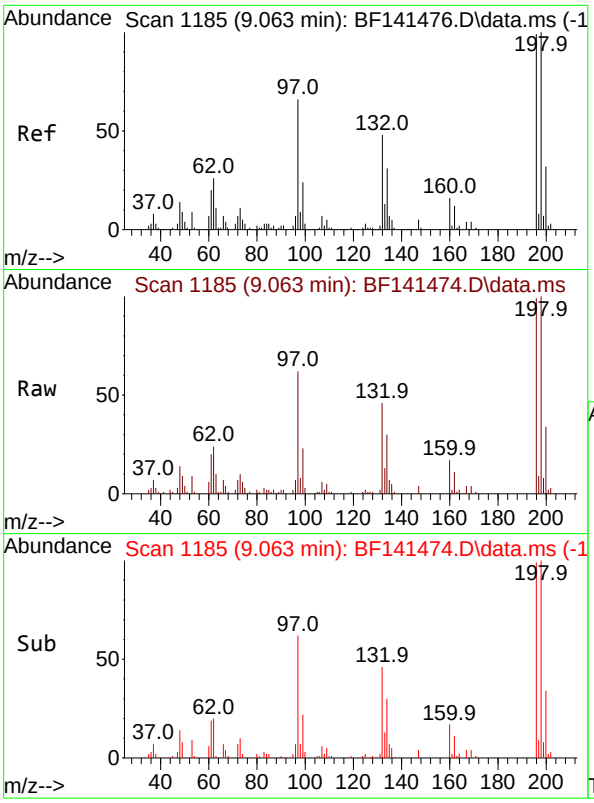


#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

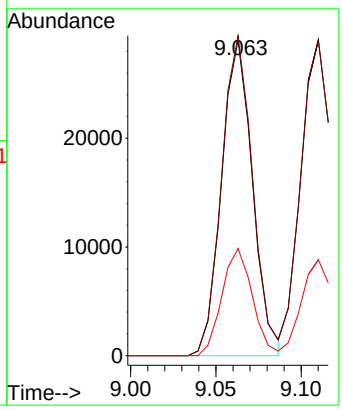




#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:196 Resp: 3655

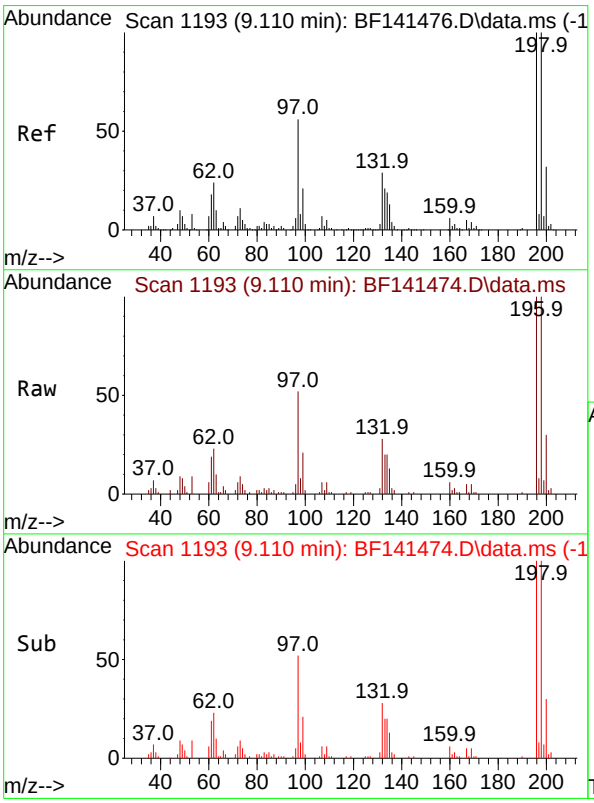
Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.6	121.0
200	34.0	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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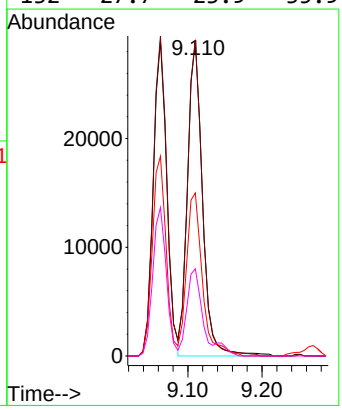
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

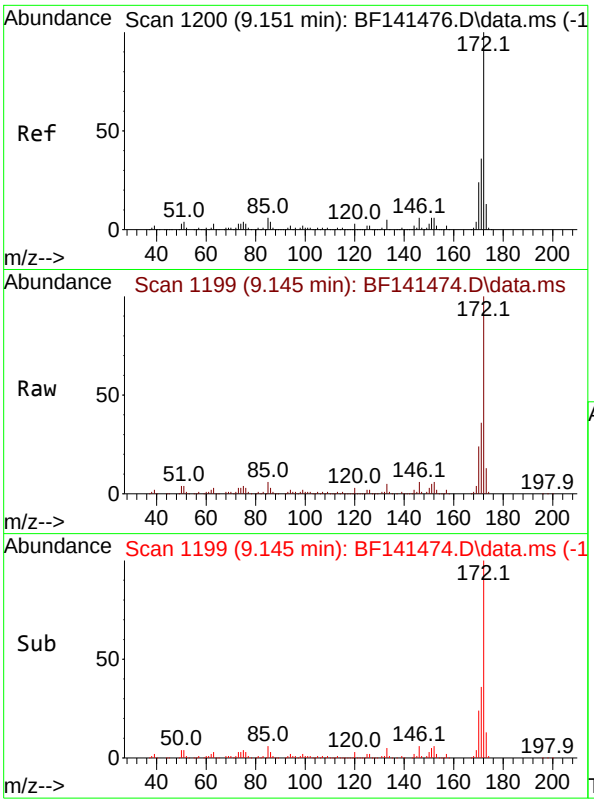


#44
2,4,5-Trichlorophenol
Concen: 10.039 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

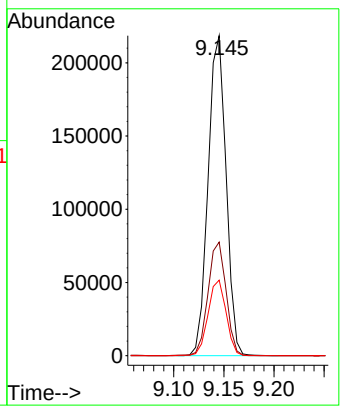




#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:172 Resp: 27198

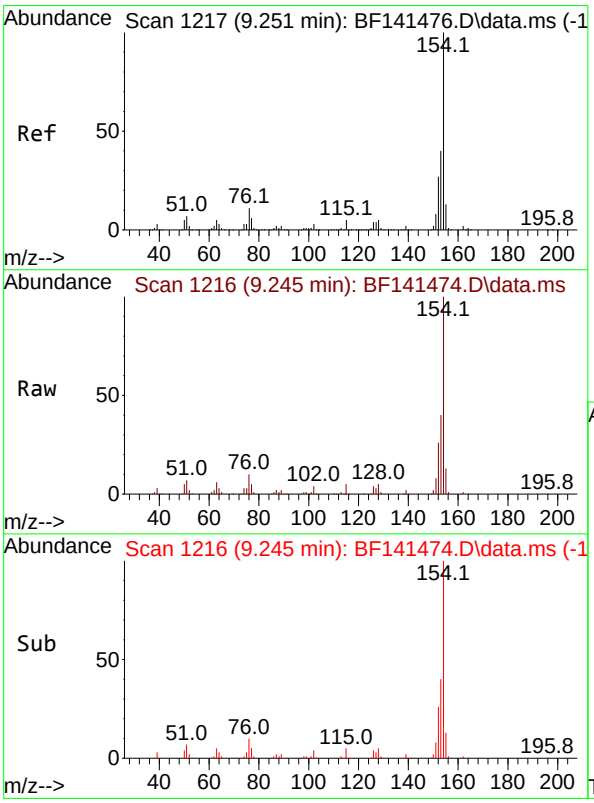
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.6	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

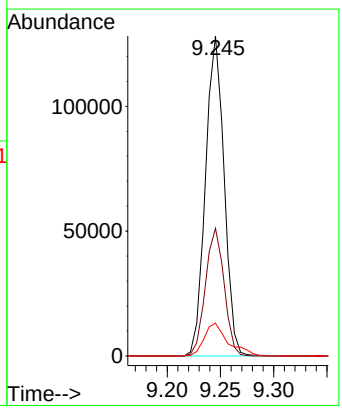
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

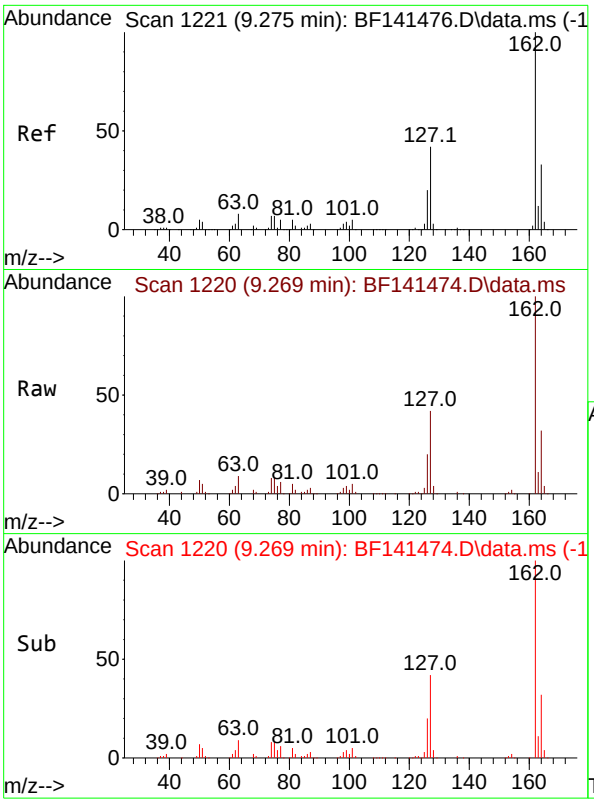


#46
1,1'-Biphenyl
Concen: 10.086 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

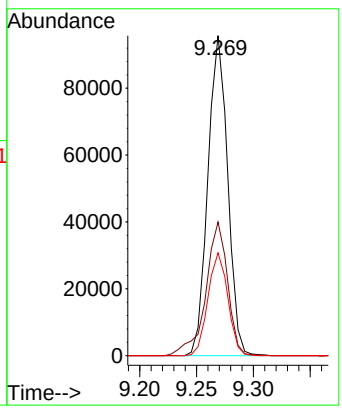




#47
2-Chloronaphthalene
Concen: 10.125 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:162 Resp: 11611

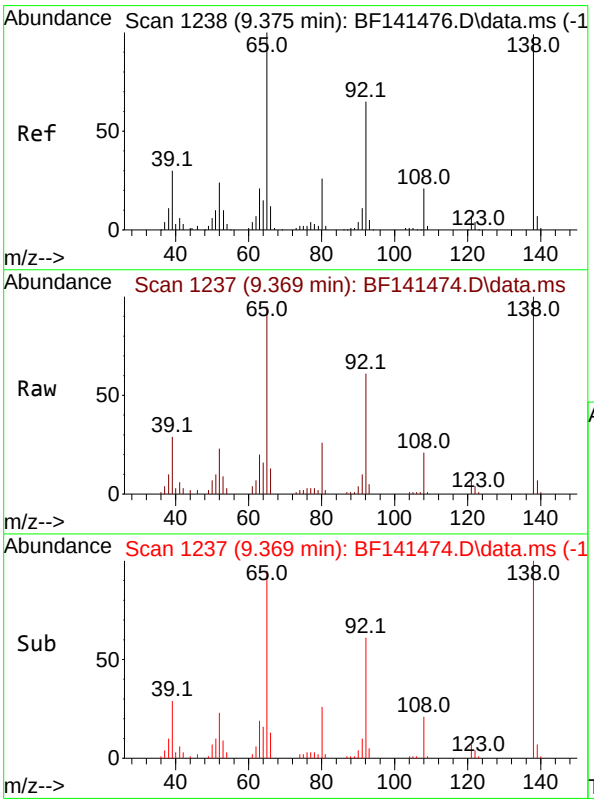
Ion	Ratio	Lower	Upper
162	100		
127	41.8	34.1	51.1
164	32.1	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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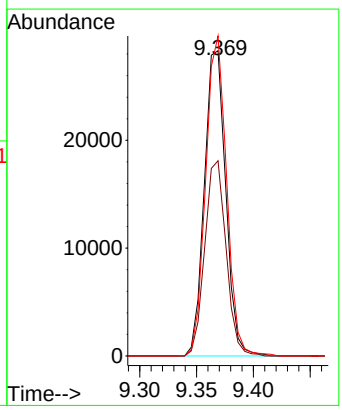
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

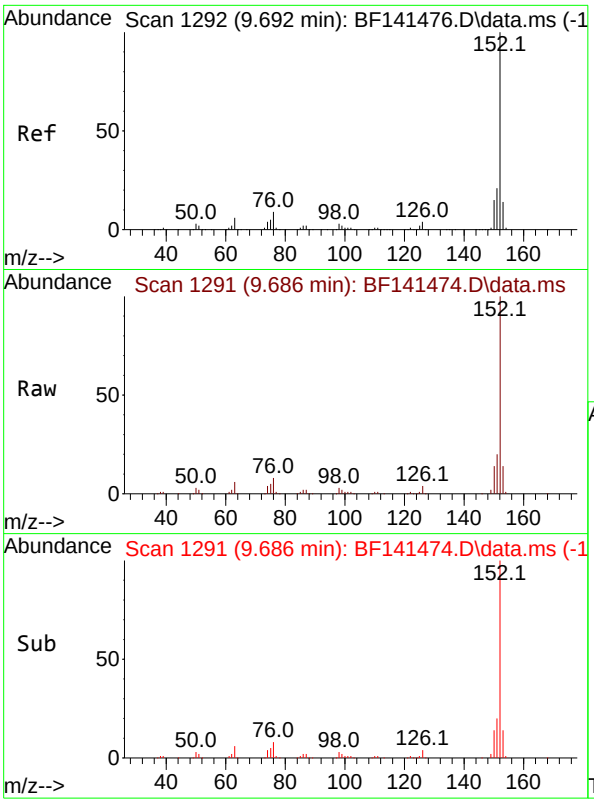


#48
2-Nitroaniline
Concen: 9.653 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

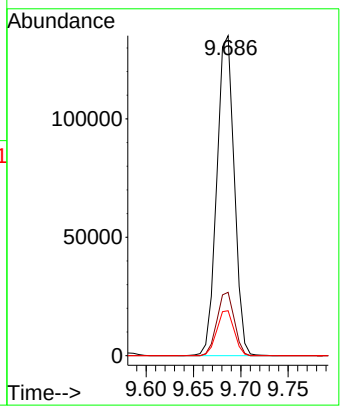




#49
Acenaphthylene
Concen: 10.179 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:152 Resp: 17364

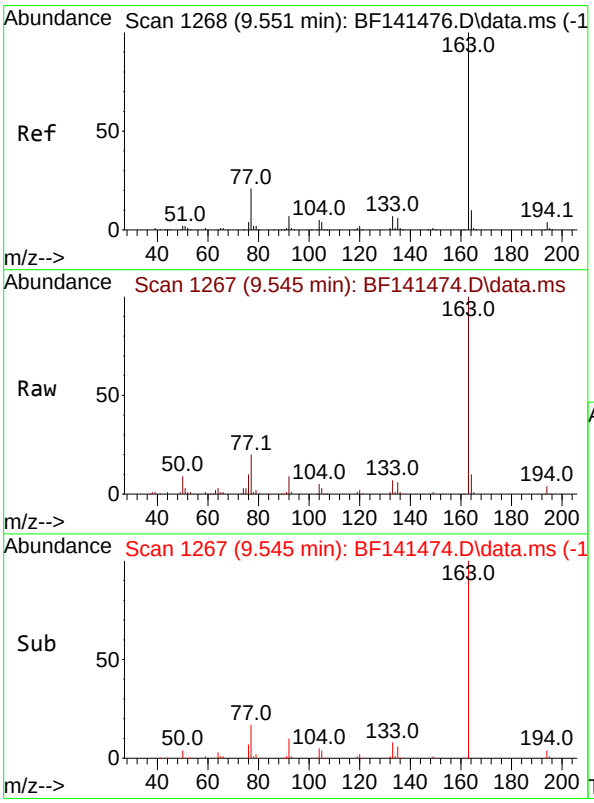
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	14.1	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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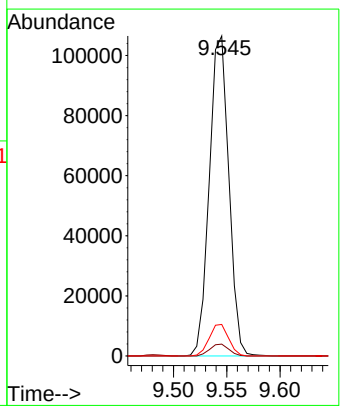
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

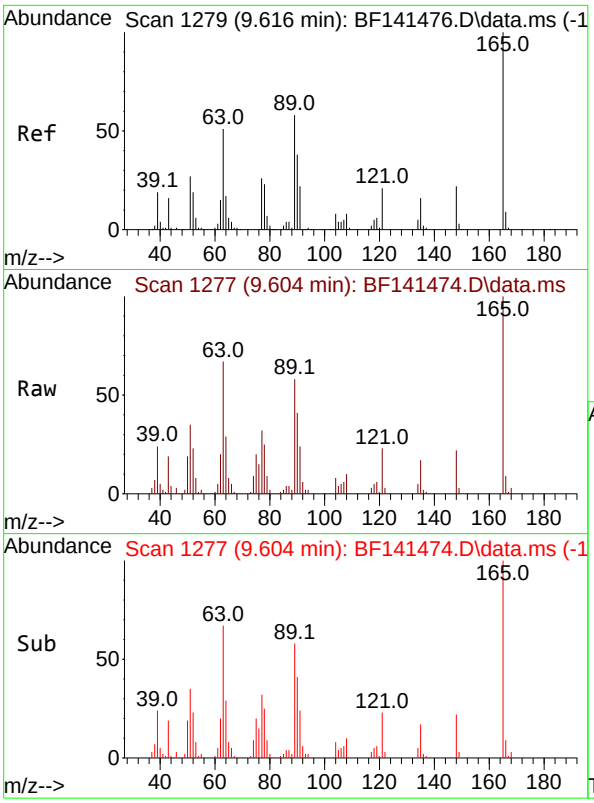


#50
Dimethylphthalate
Concen: 10.006 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

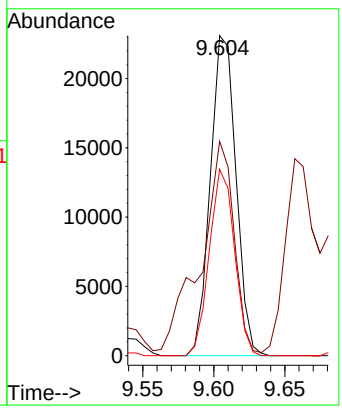
Tgt Ion:165 Resp: 2900

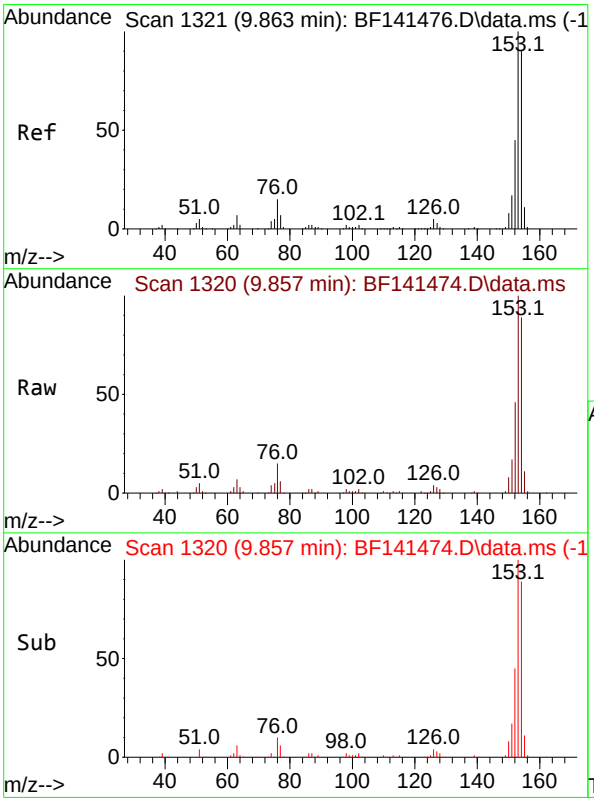
Ion	Ratio	Lower	Upper
165	100		
63	67.0	49.4	74.0
89	58.2	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

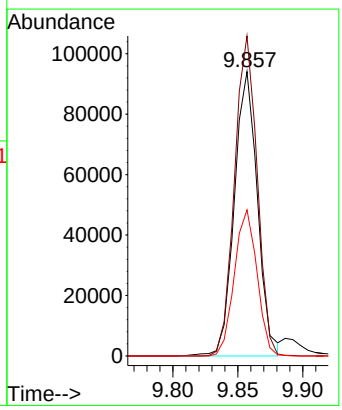


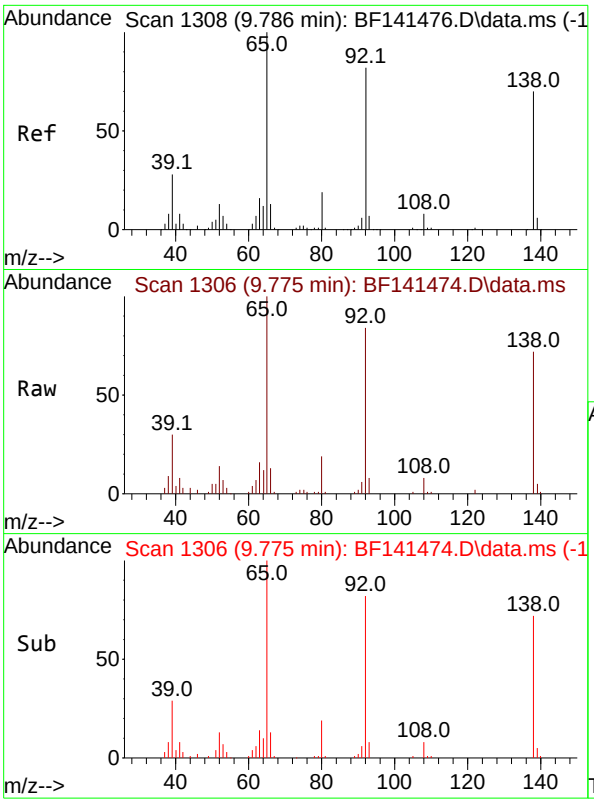


#52
Acenaphthene
Concen: 10.155 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

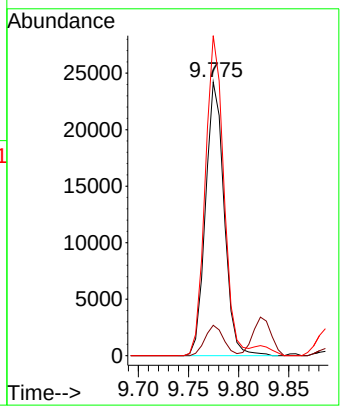
Tgt Ion:138 Resp: 3133

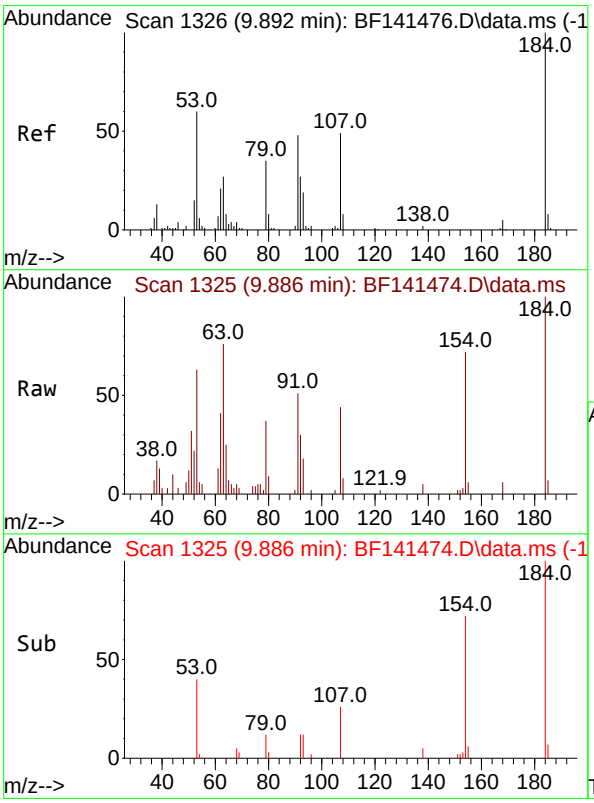
Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	116.9	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

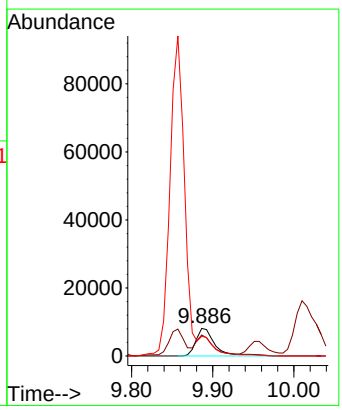


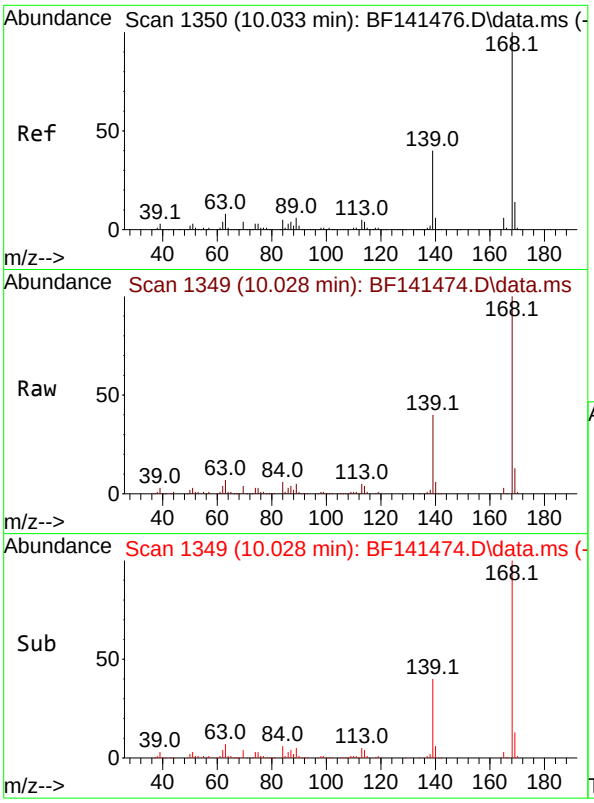


#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

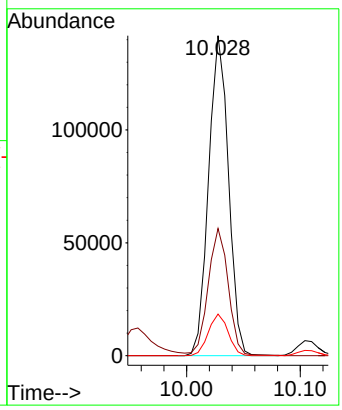




#55
Dibenzofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:168 Resp: 17220

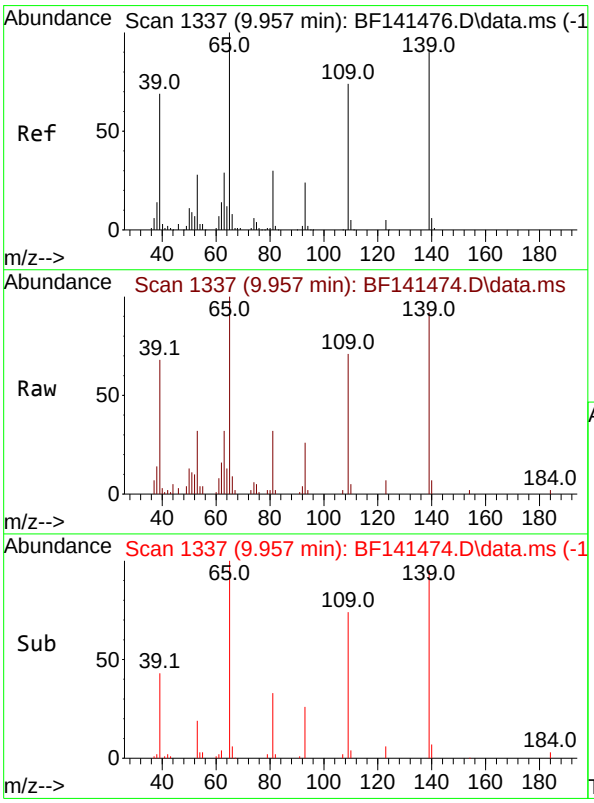
Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.7	49.1
169	13.0	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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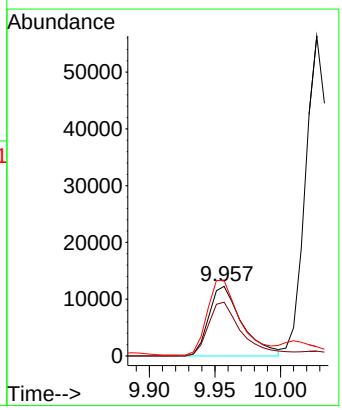
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

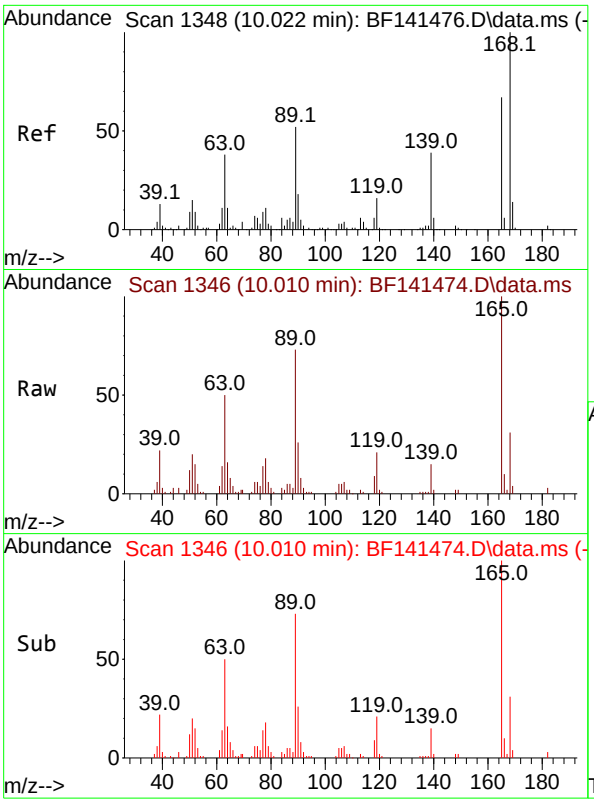


#56
4-Nitrophenol
Concen: 9.093 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

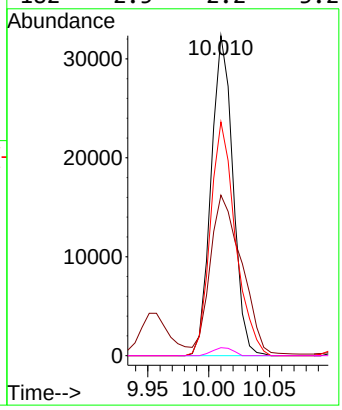




#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:165 Resp: 4030

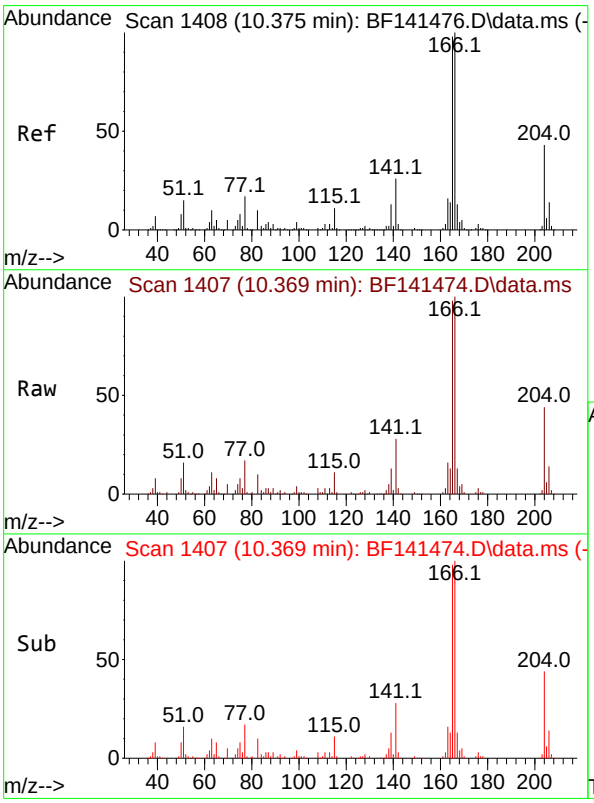
Ion	Ratio	Lower	Upper
165	100		
63	50.1	46.4	69.6
89	73.1	61.8	92.6
182	2.5	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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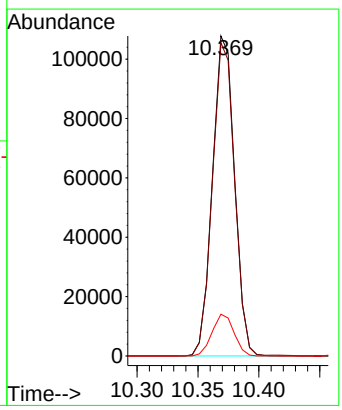
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

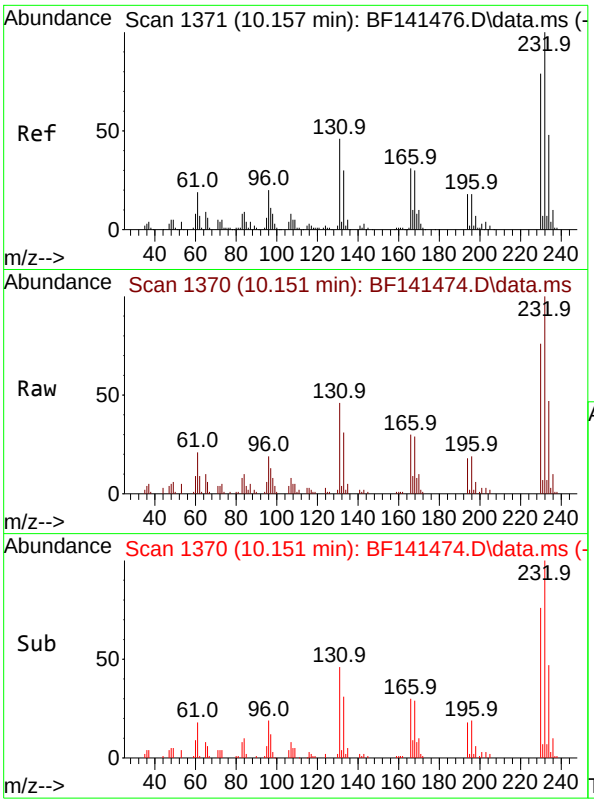


#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

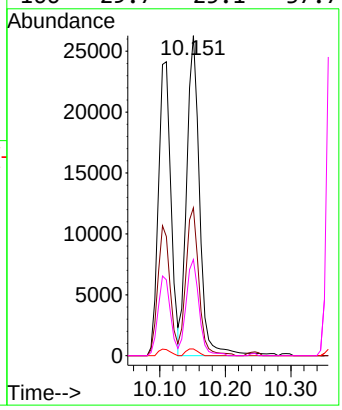




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:232 Resp: 3610

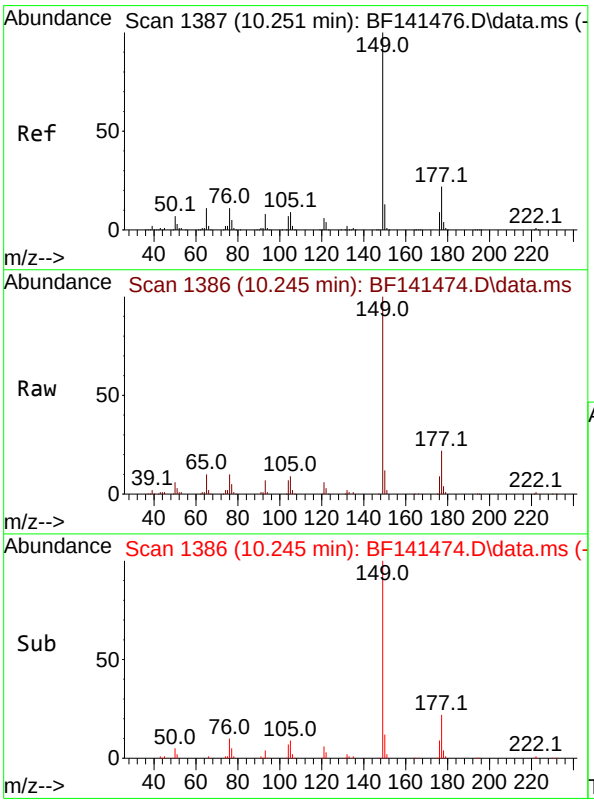
Ion	Ratio	Lower	Upper
232	100		
131	45.8	39.2	58.8
130	1.9	2.1	3.1#
166	29.7	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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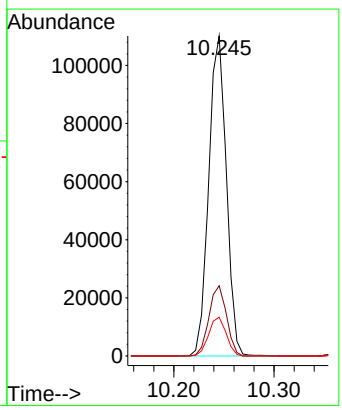
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

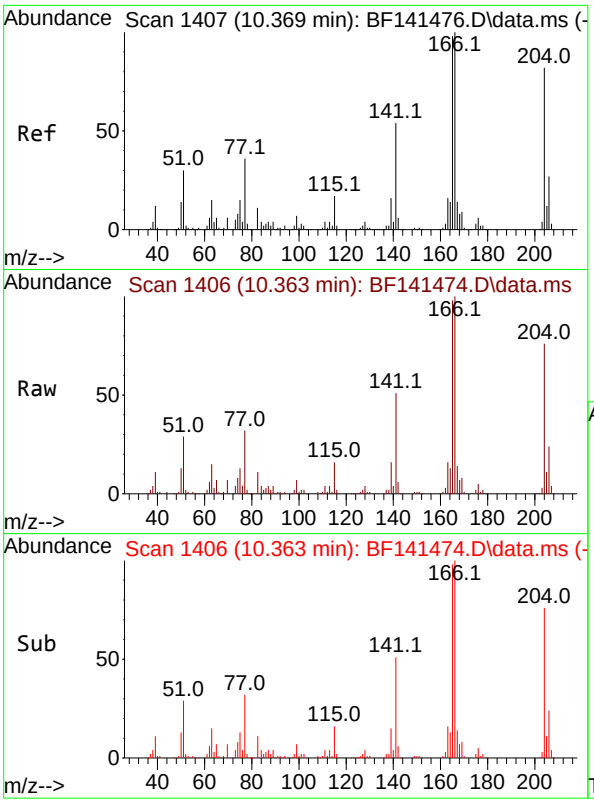


#60
Diethylphthalate
Concen: 10.073 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

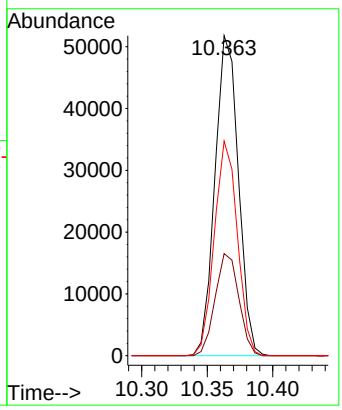
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

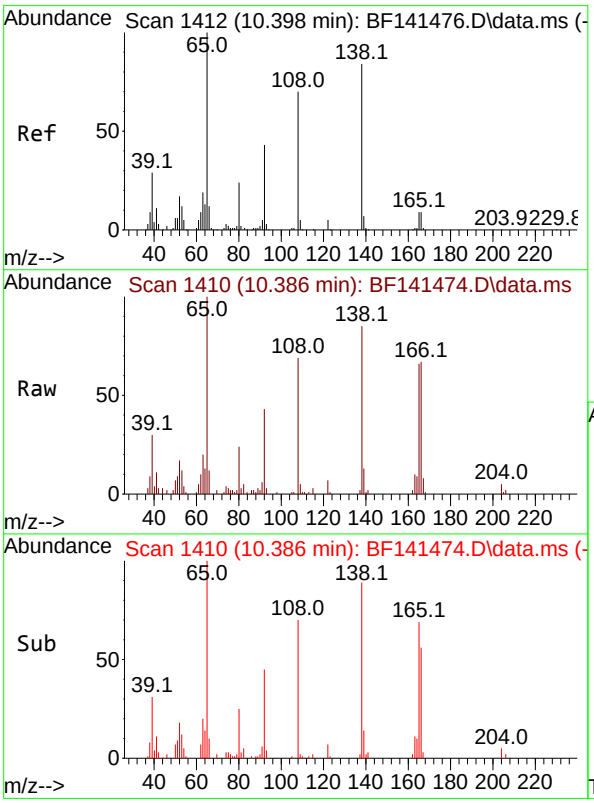
Tgt Ion:204 Resp: 6430

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.6	40.0
141	67.1	51.9	77.9

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

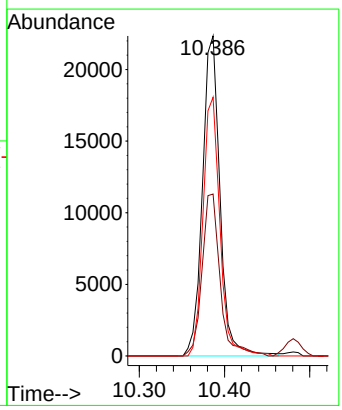


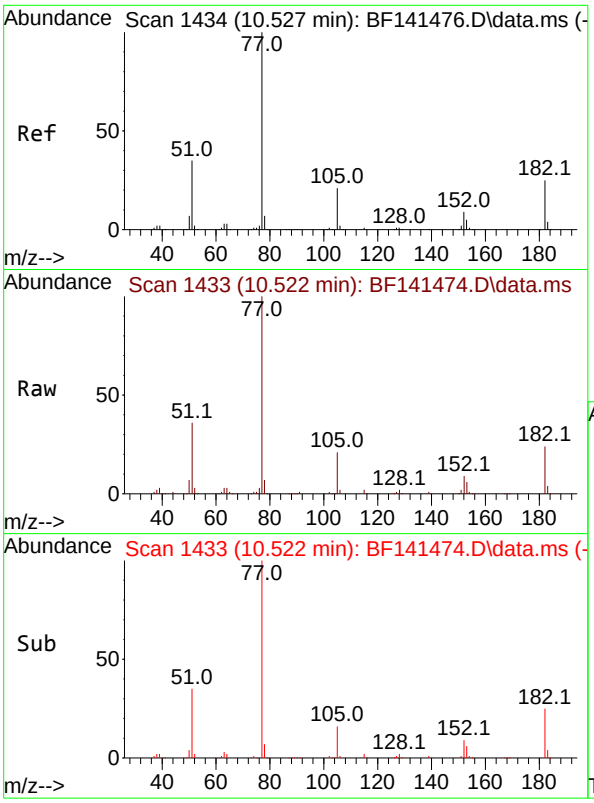


#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

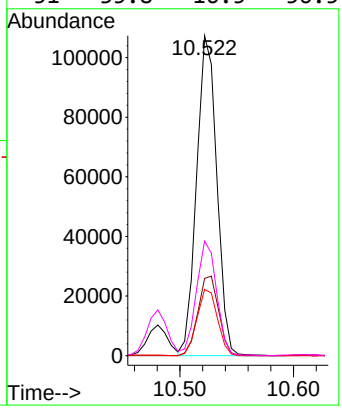




#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 13296

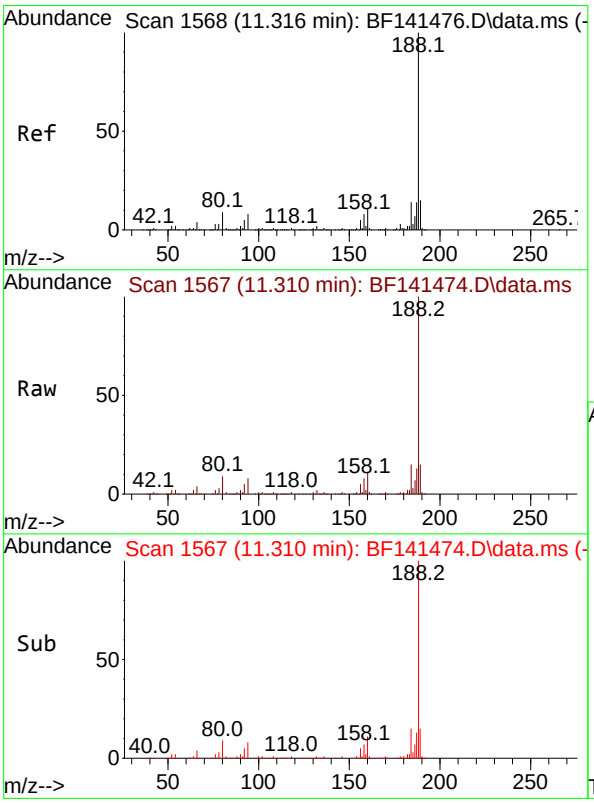
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.7	44.7
105	20.7	0.4	40.4
51	35.8	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

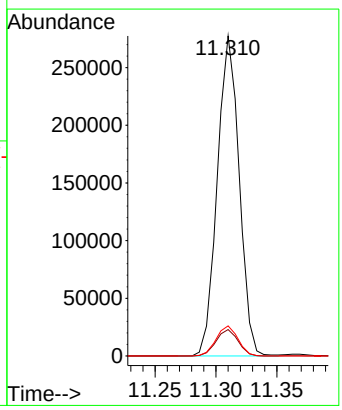
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

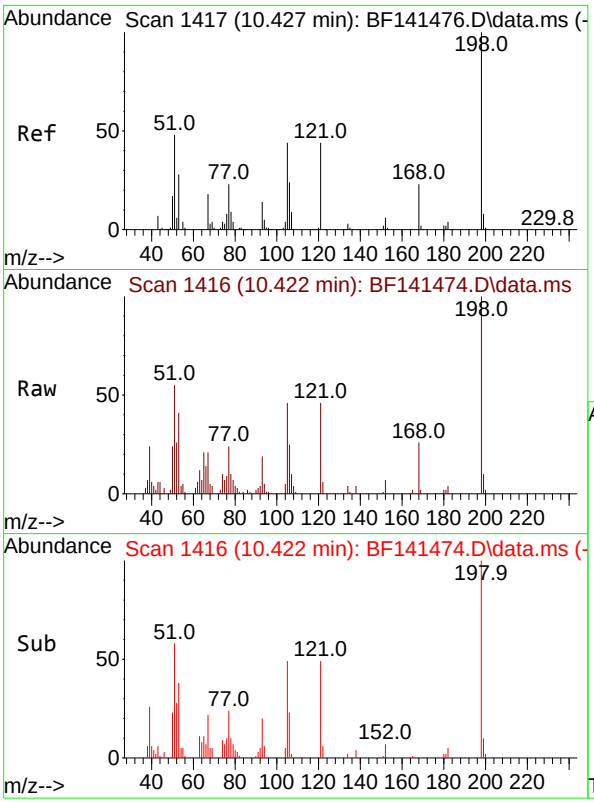


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

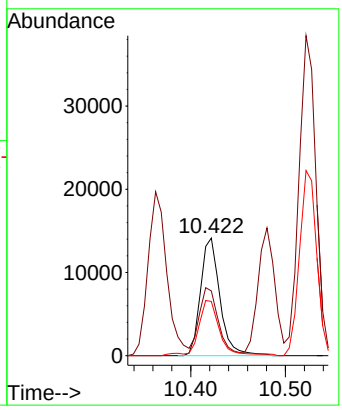
Tgt Ion:198 Resp: 2007

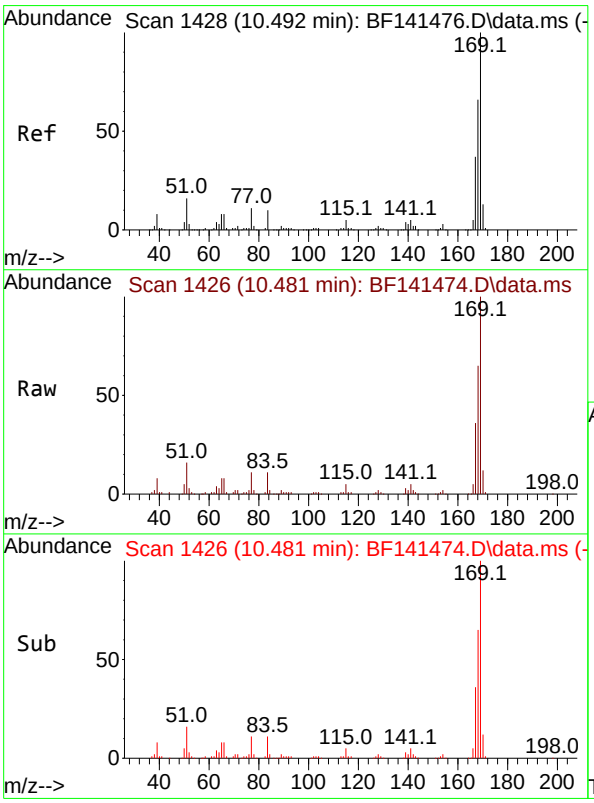
Ion	Ratio	Lower	Upper
198	100		
51	55.2	37.4	77.4
105	46.2	25.2	65.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

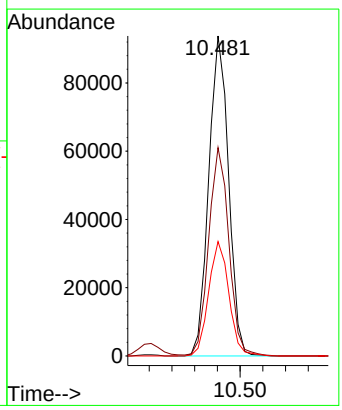


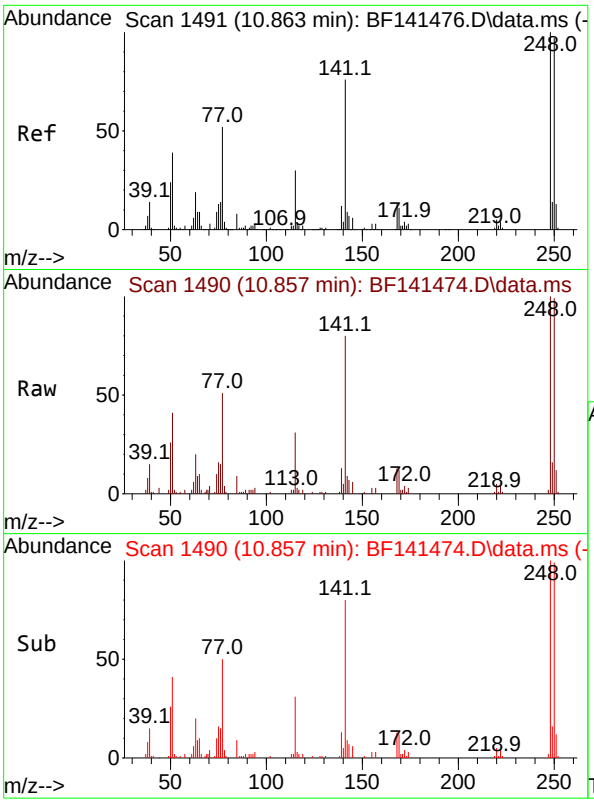


#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

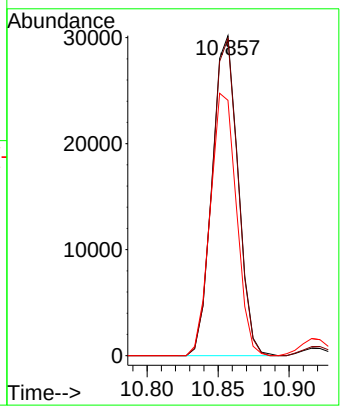




#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:248 Resp: 3825

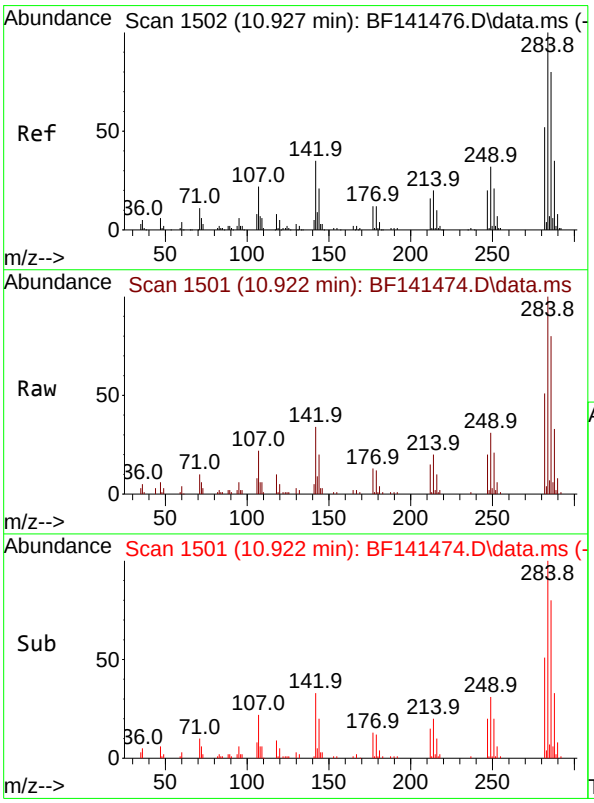
Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.8	116.6
141	79.8	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

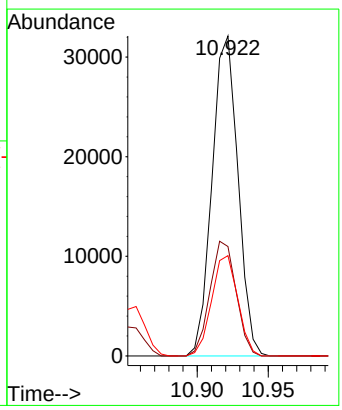
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

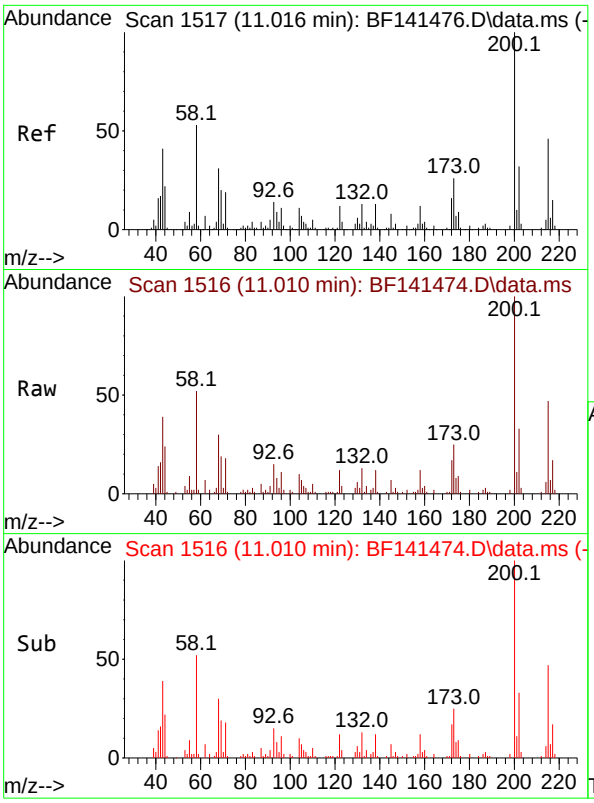


#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

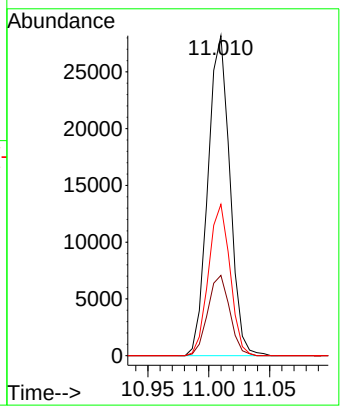




#69
Atrazine
Concen: 10.580 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:200 Resp: 3528

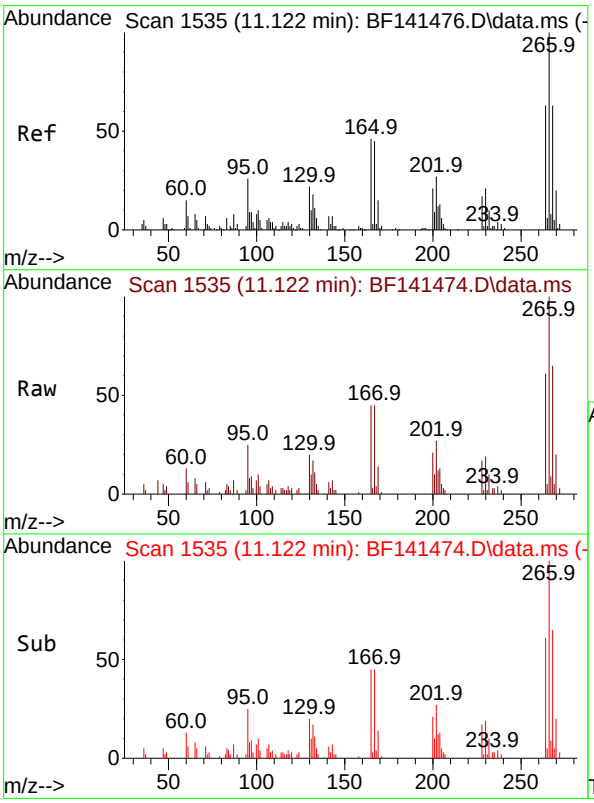
Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.9	45.9
215	47.3	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

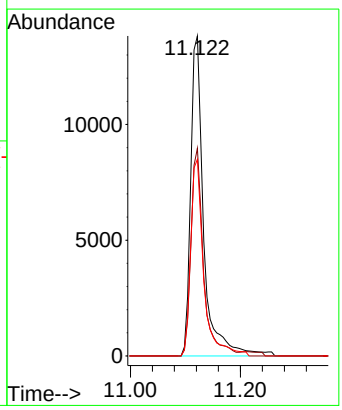
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

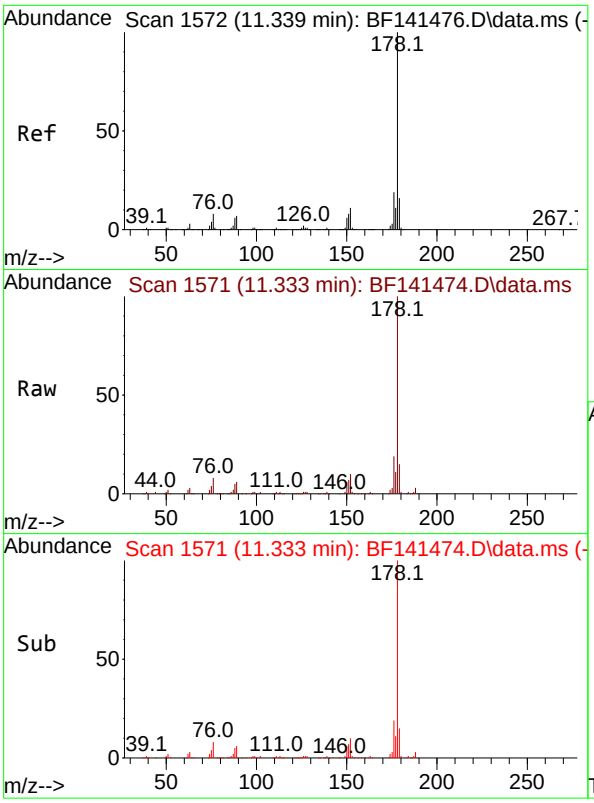


#70
Pentachlorophenol
Concen: 8.895 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

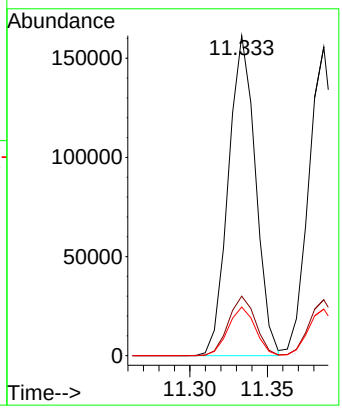




#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:178 Resp: 19658

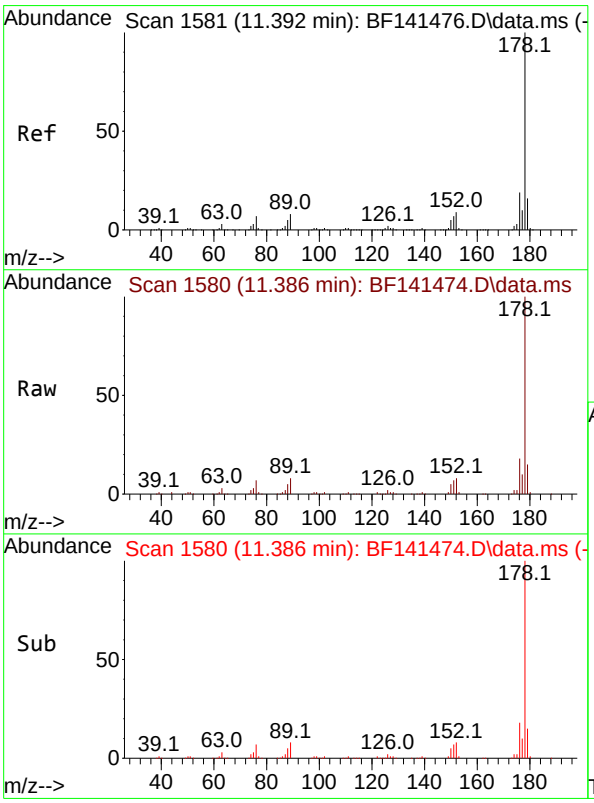
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.2	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

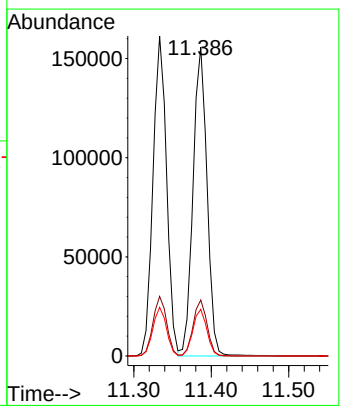
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

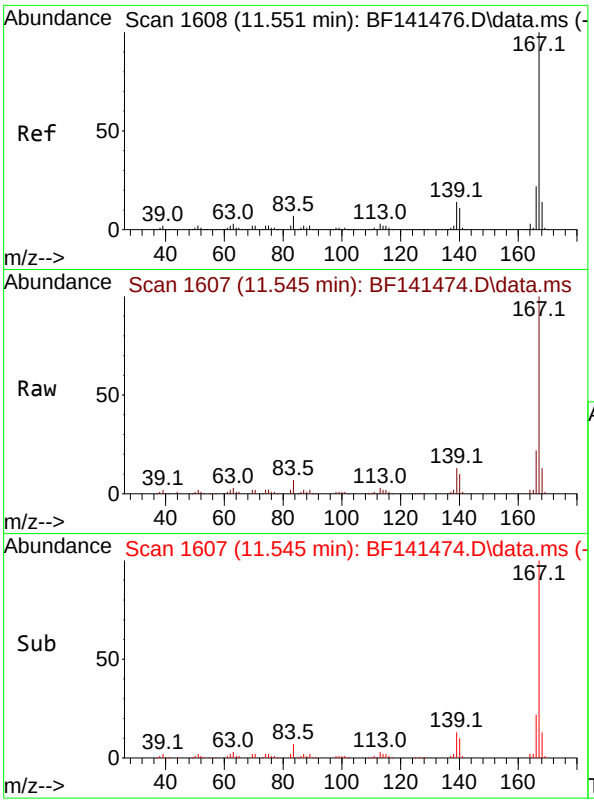


#72
Anthracene
Concen: 10.174 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

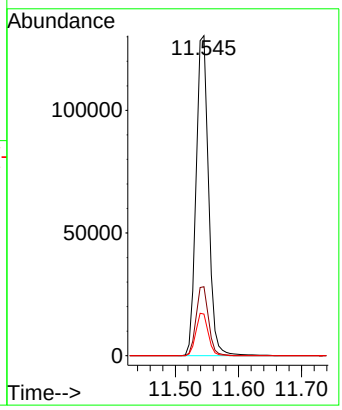




#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:167 Resp: 17822

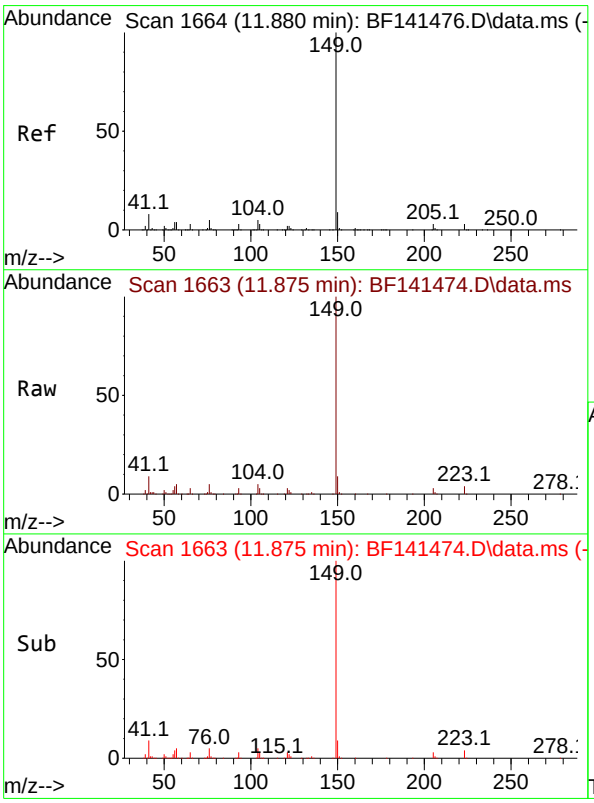
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.0	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

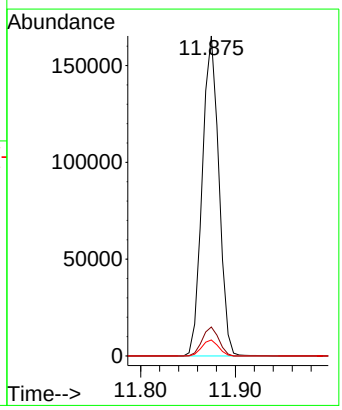
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

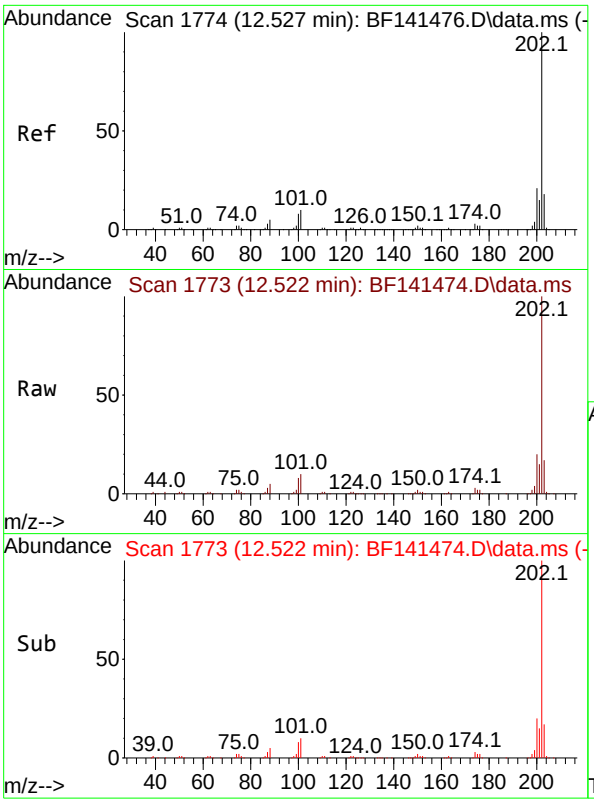


#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

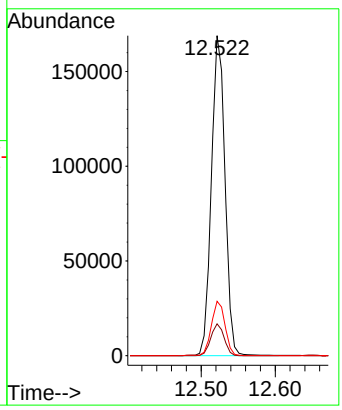




#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:202 Resp: 21521

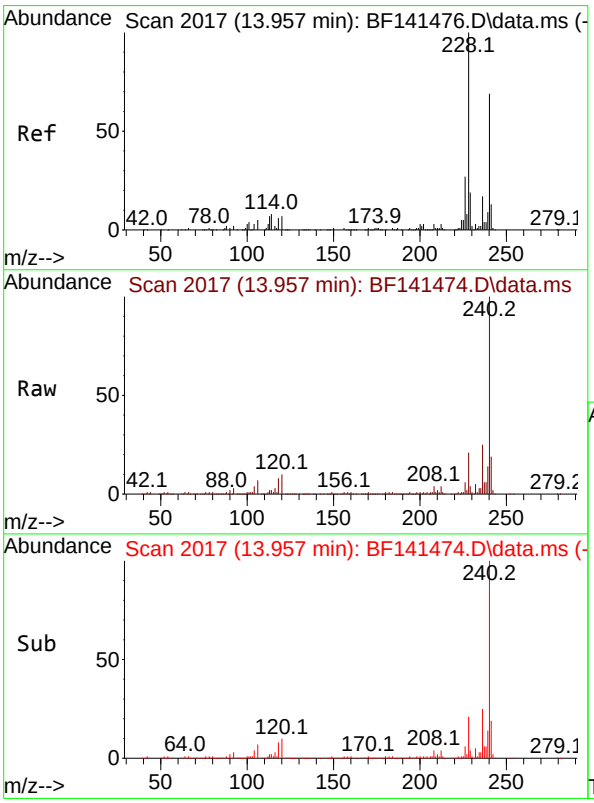
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.0	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

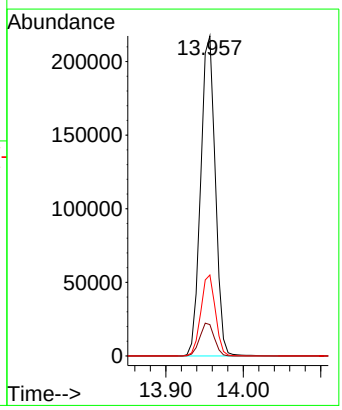
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

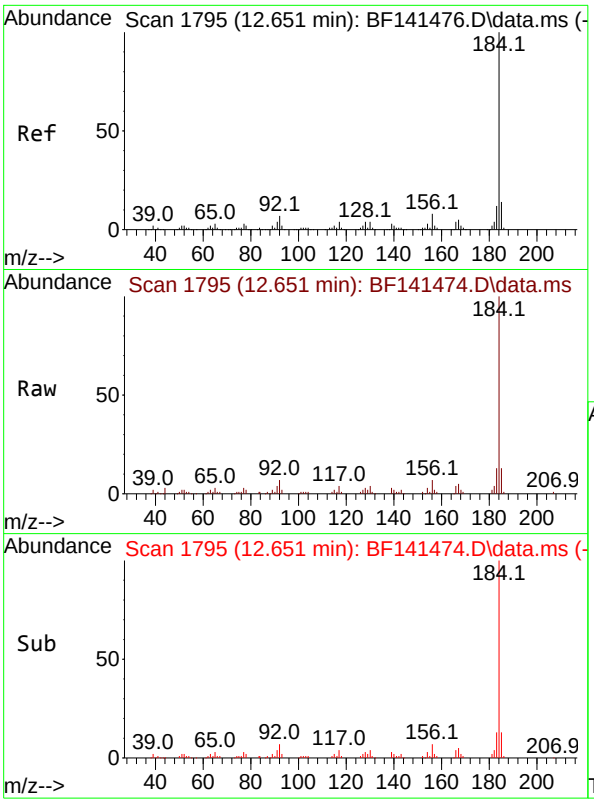


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

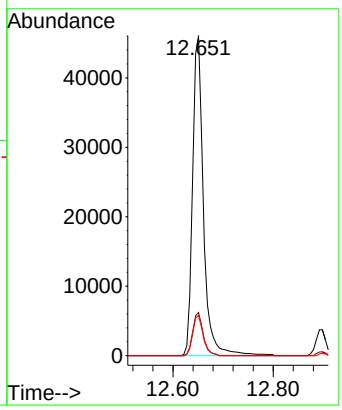




#77
Benzidine
Concen: 11.050 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:184 Resp: 6940

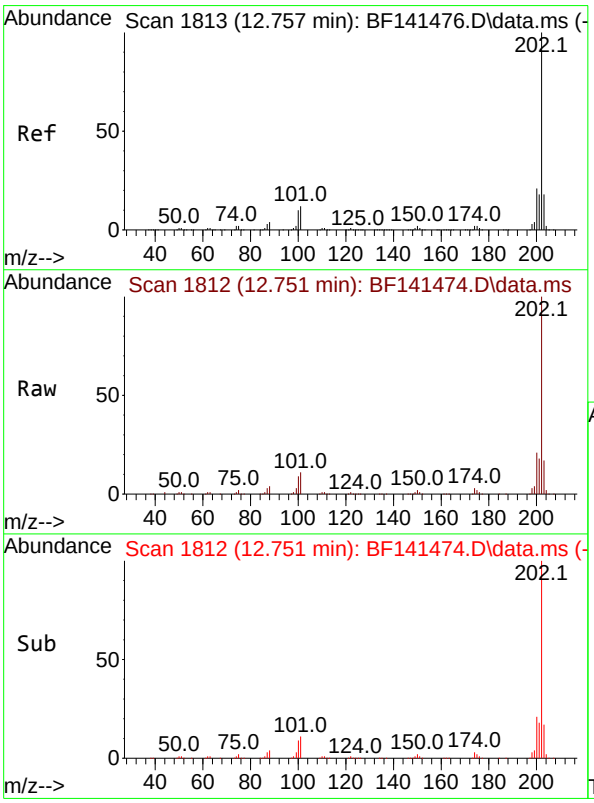
Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.3	16.9
183	12.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

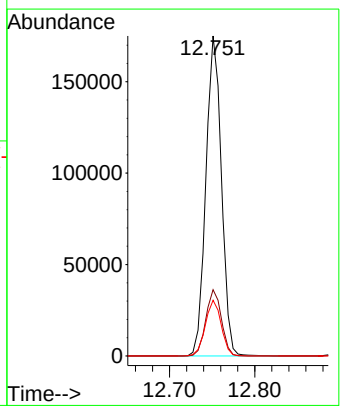
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

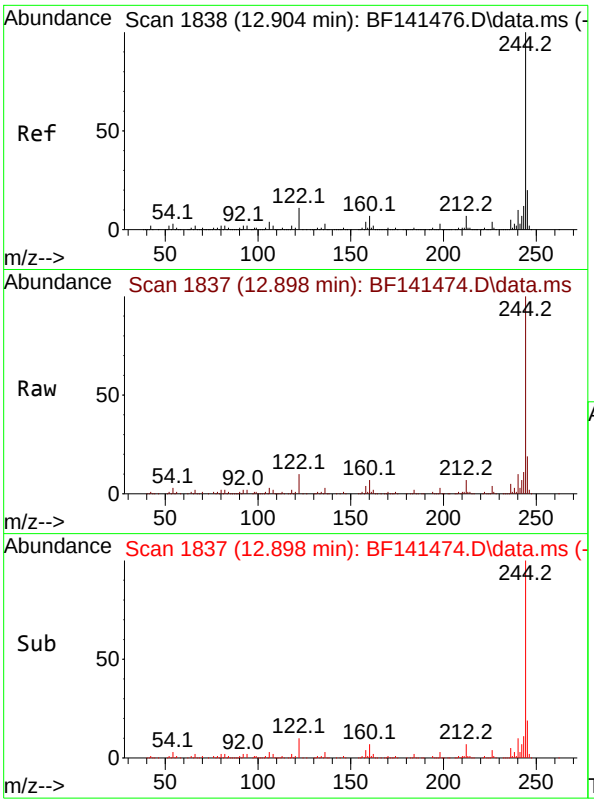


#78
Pyrene
Concen: 9.146 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

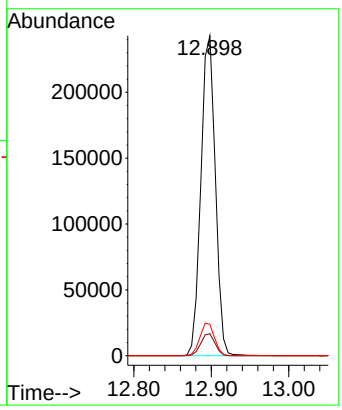
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

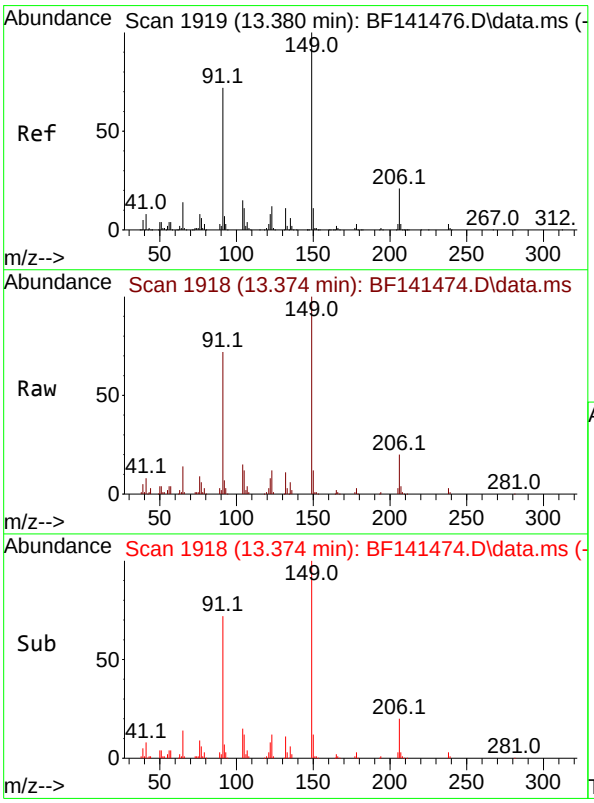
Tgt Ion:244 Resp: 31454

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	8.4	12.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

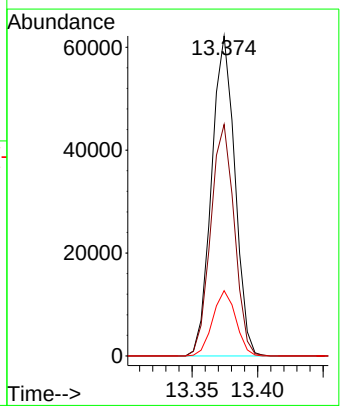


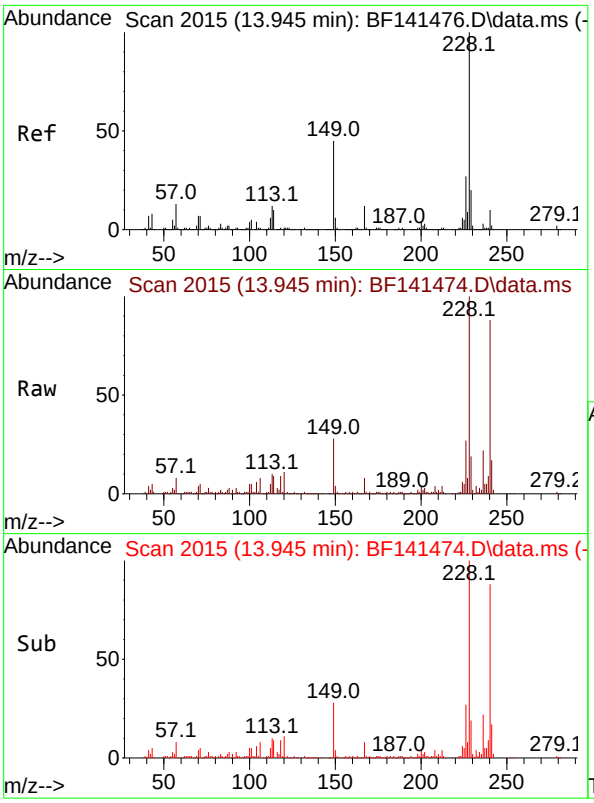


#80
Butylbenzylphthalate
Concen: 9.152 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

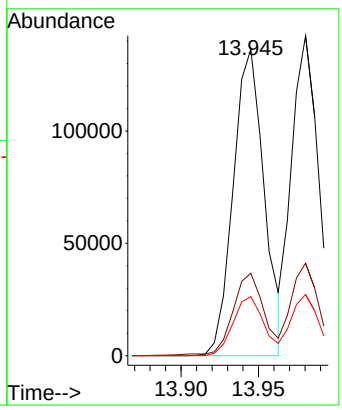




#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:228 Resp: 18970

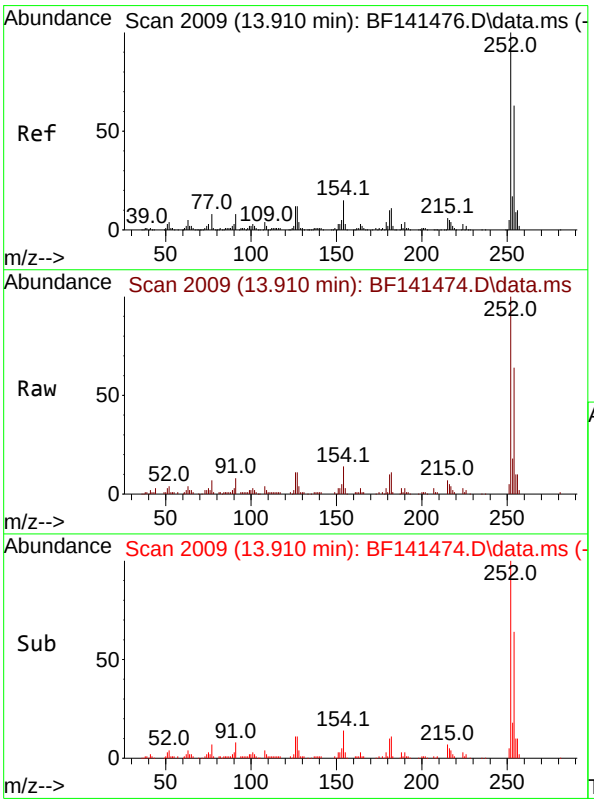
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

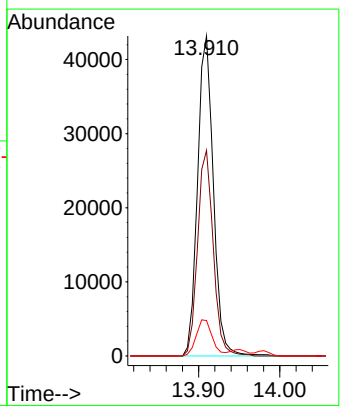
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

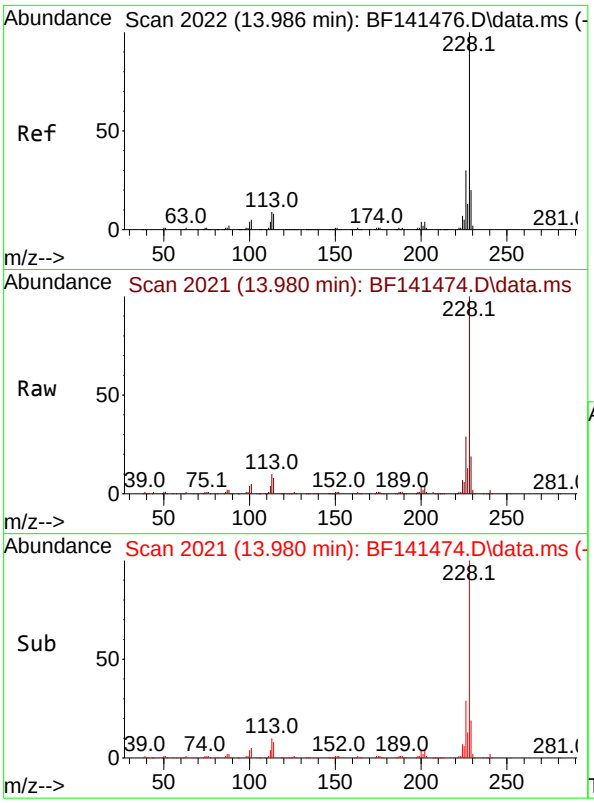


#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

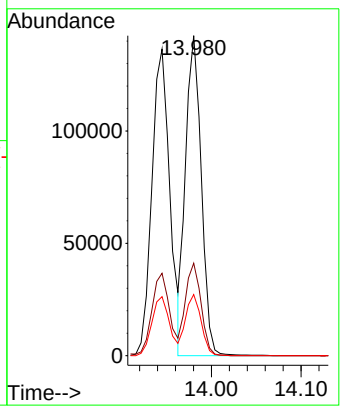




#83
Chrysene
Concen: 9.960 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:228 Resp: 17410

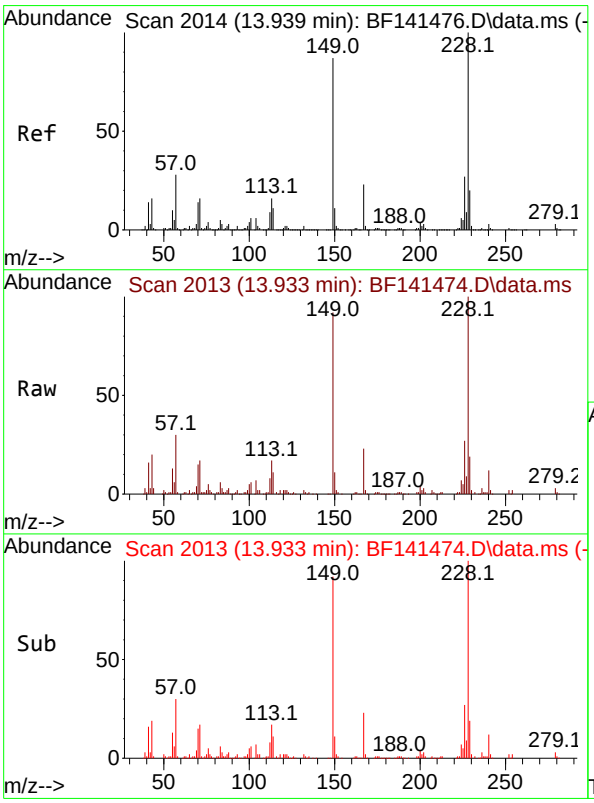
Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	19.1	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

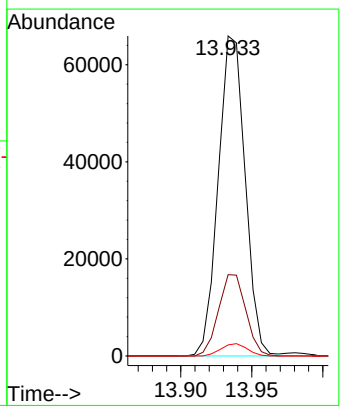
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

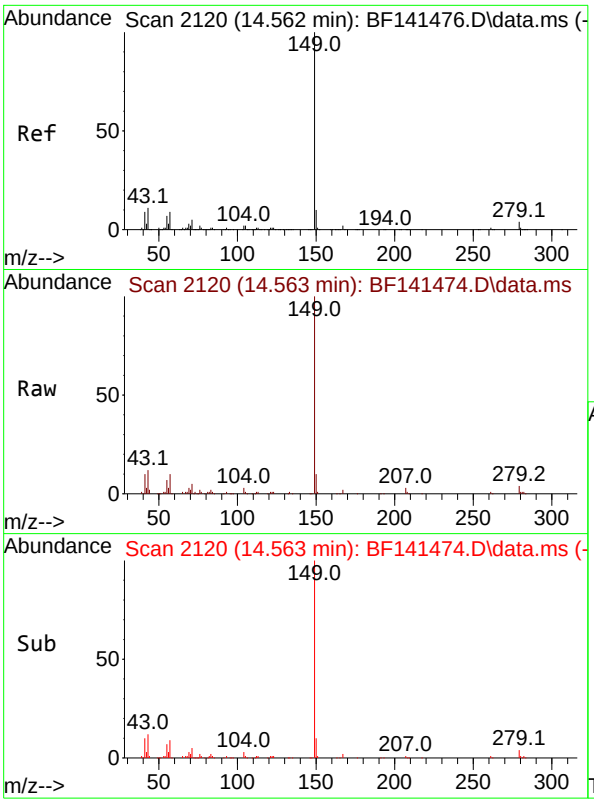


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.171 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

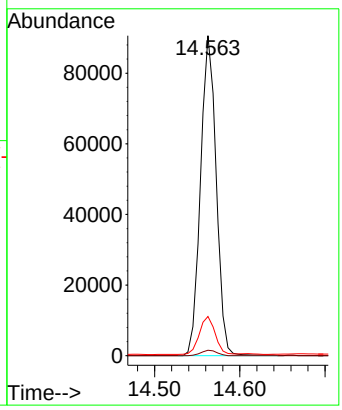




#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:149 Resp: 11587

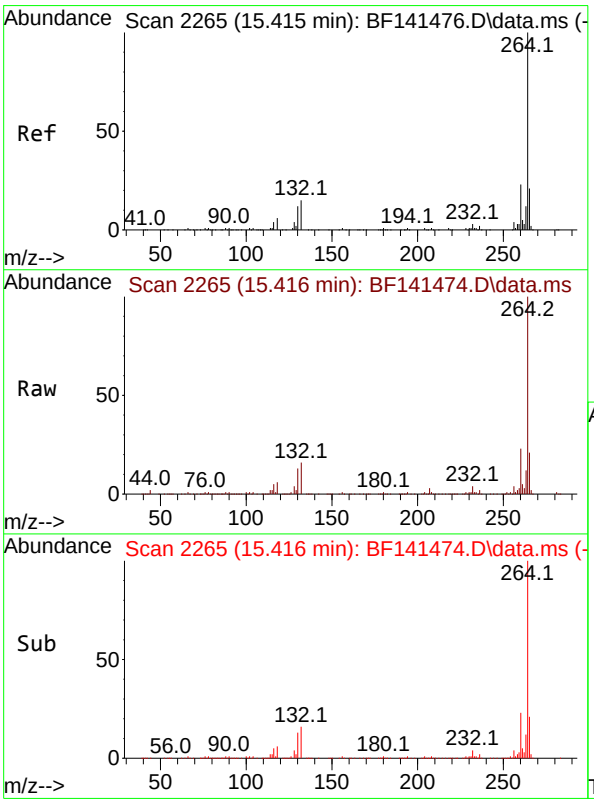
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.1	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

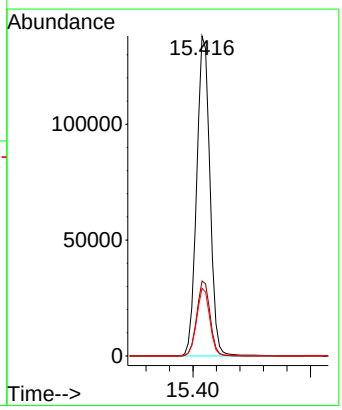
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

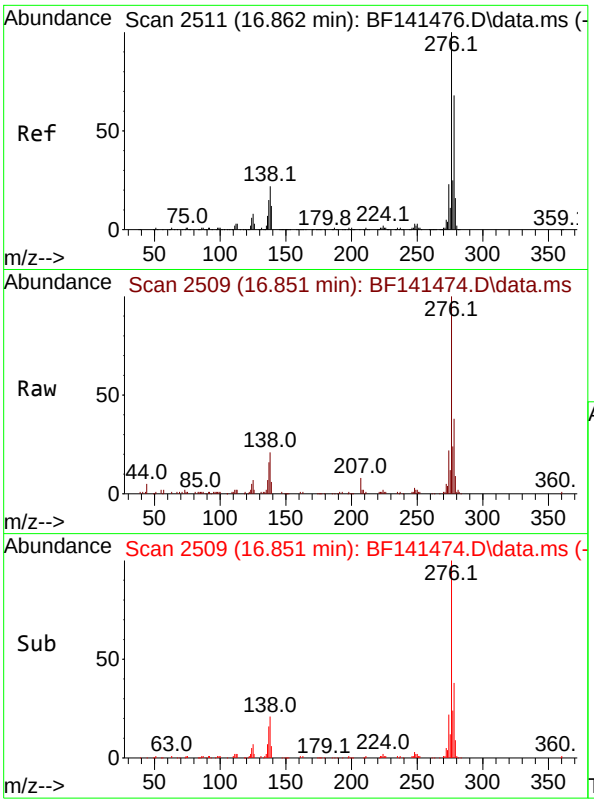


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

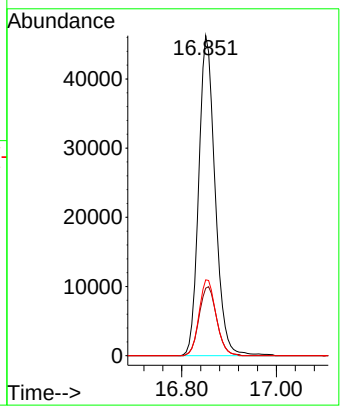




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.327 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:276 Resp: 11108

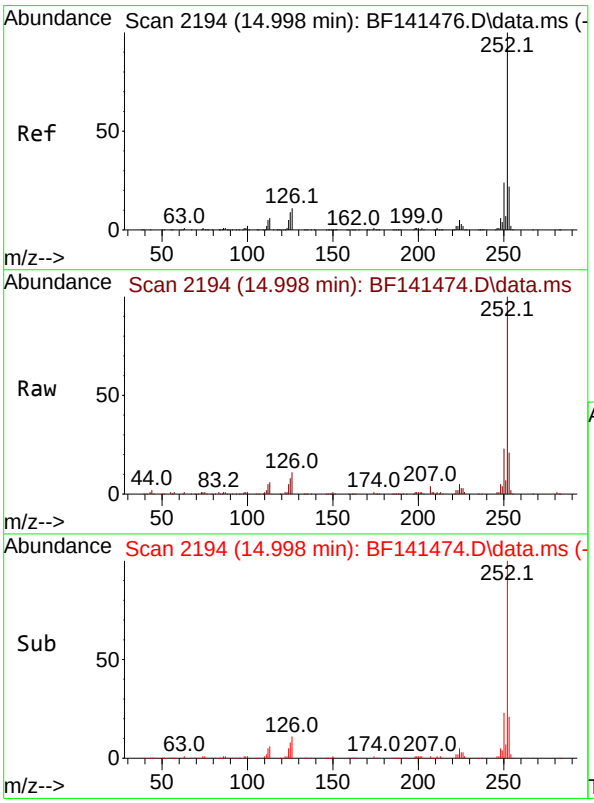
Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.0	27.0
277	24.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

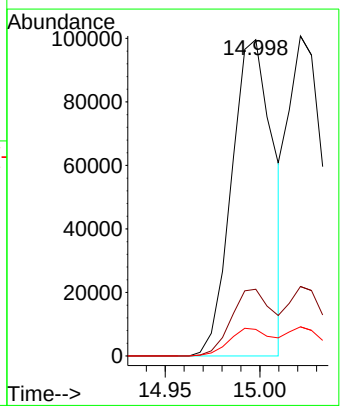
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

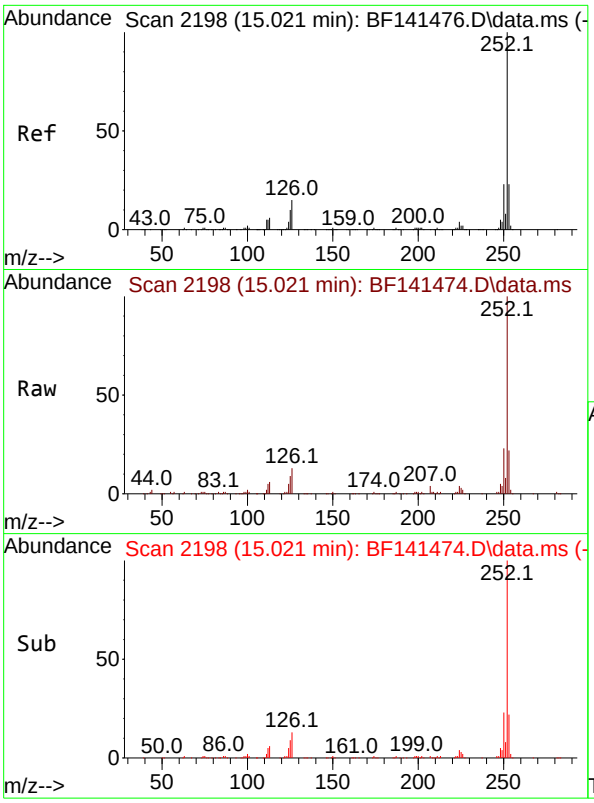


#88
Benzo(b)fluoranthene
Concen: 10.476 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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# 2
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

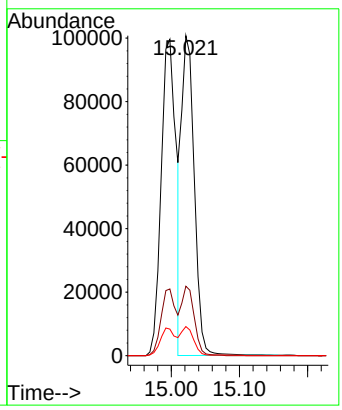
Tgt Ion:252 Resp: 13126

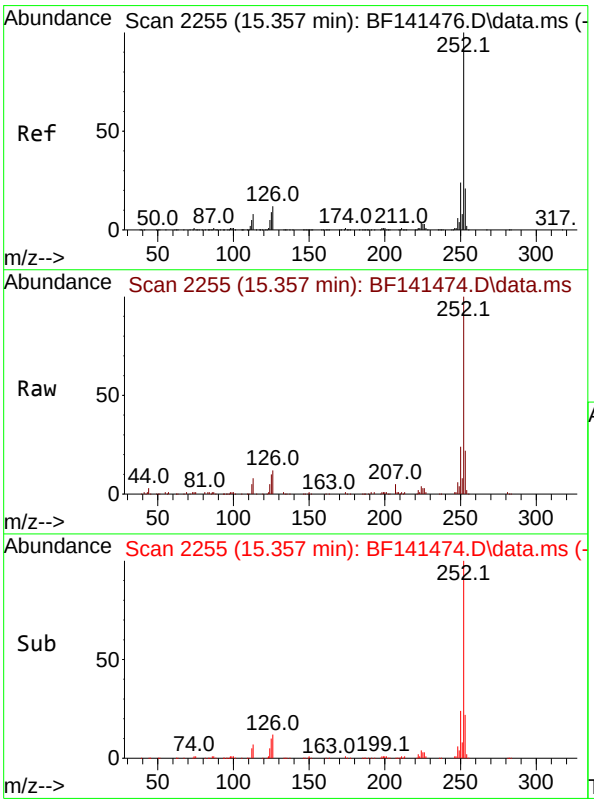
Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	9.1	7.4	11.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

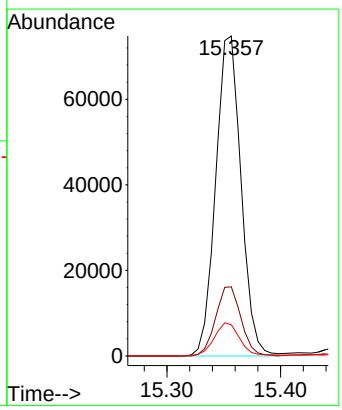


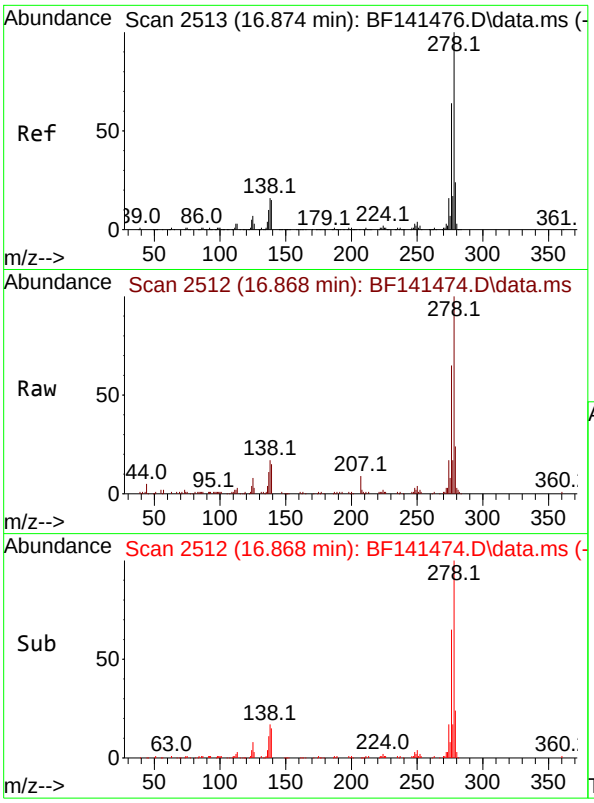


#90
Benzo(a)pyrene
Concen: 9.885 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

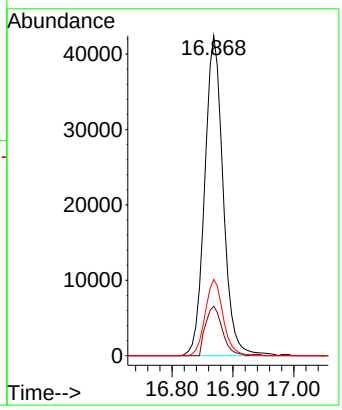




#91
Dibenzo(a,h)anthracene
Concen: 8.271 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:278 Resp: 8940

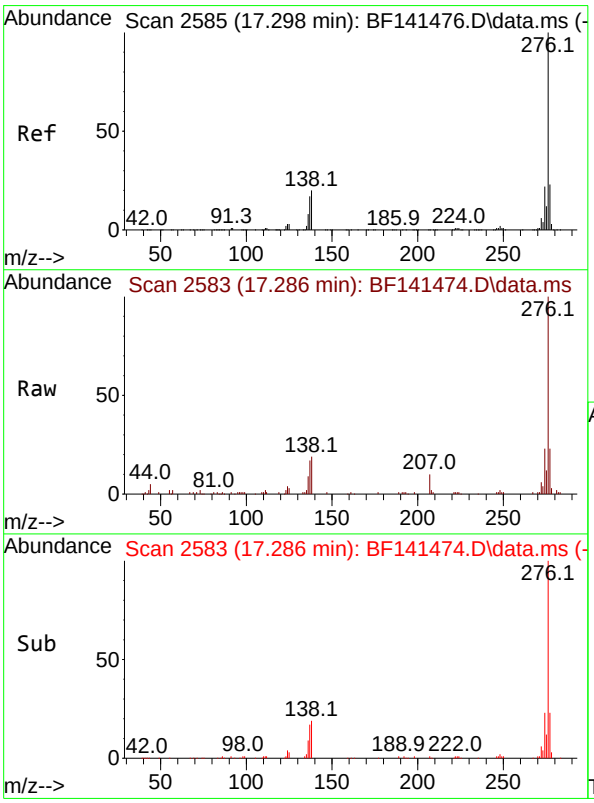
Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	23.8	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

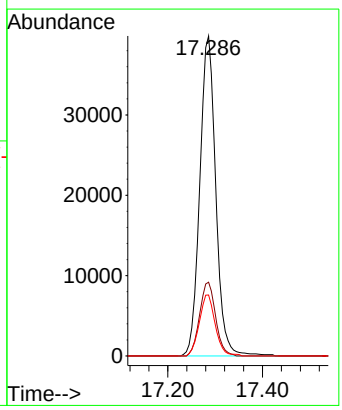
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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



Quantitation Report (QT Reviewed)

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

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

ICAL Form

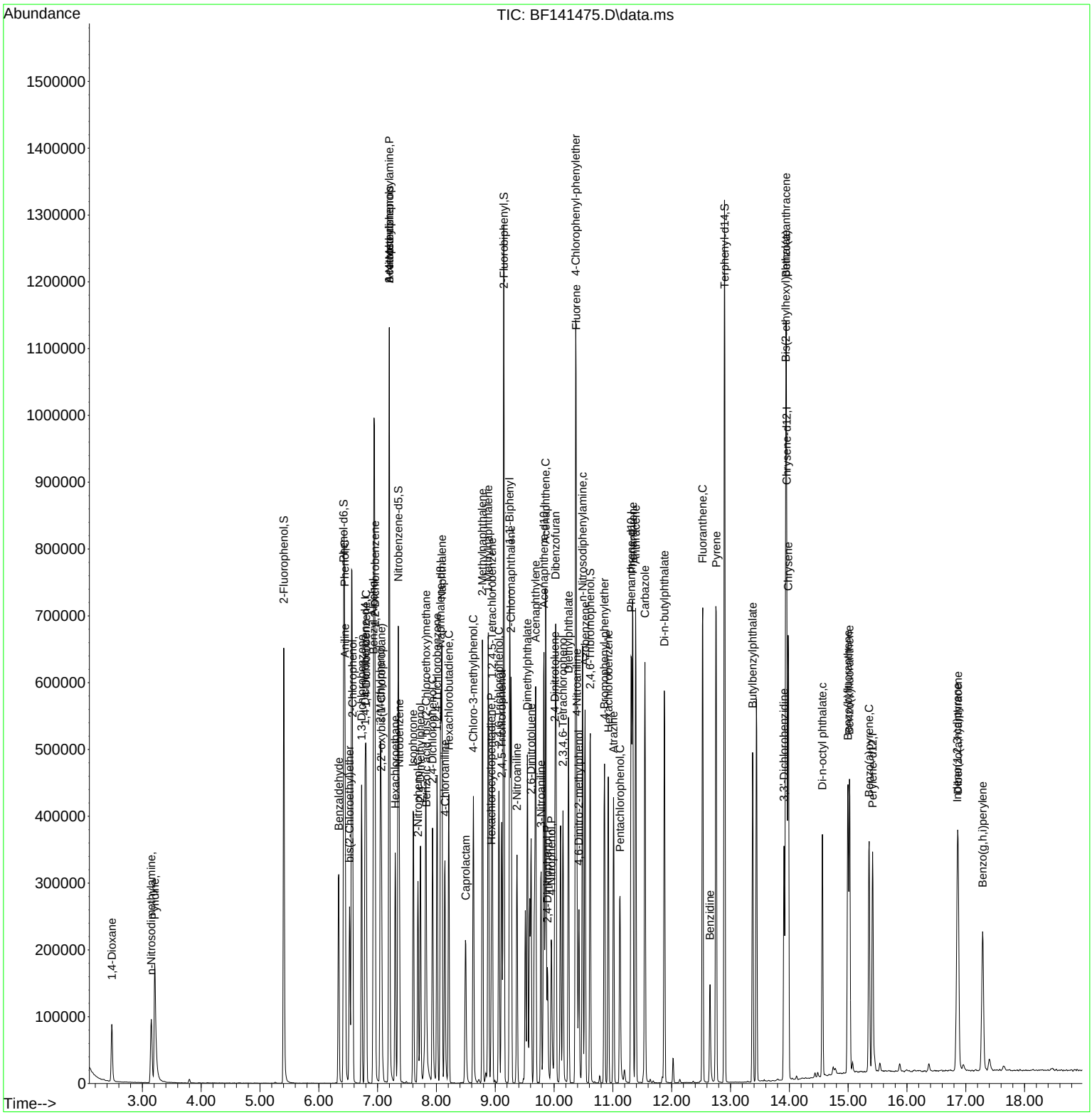
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141475.D
Acq On : 06 Feb 2025 12:26
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

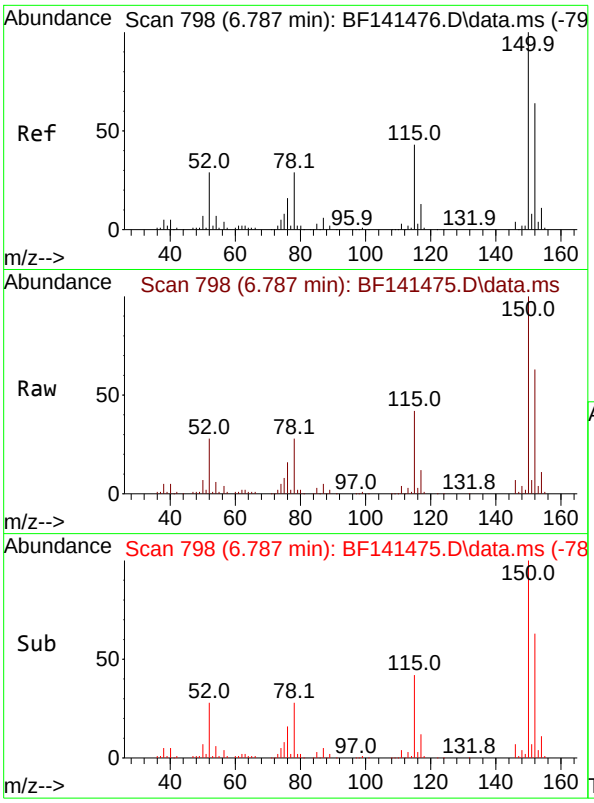
Quant Time: Feb 06 16:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

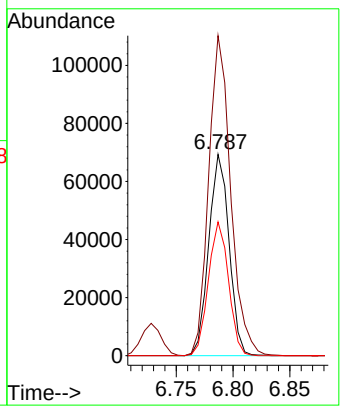




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:152 Resp: 8614

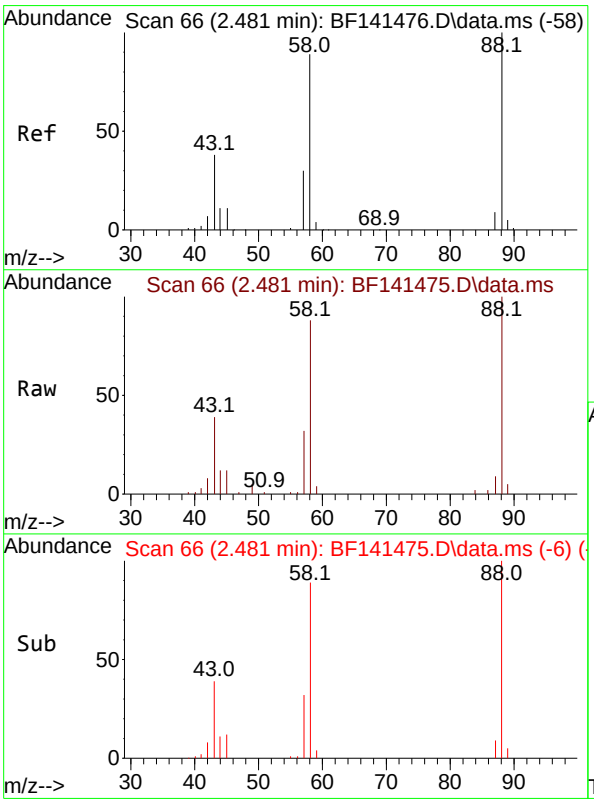
Ion	Ratio	Lower	Upper
152	100		
150	159.0	125.0	187.4
115	66.4	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

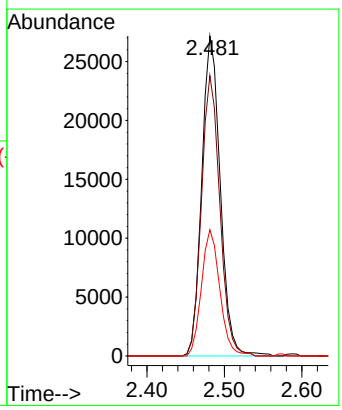
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

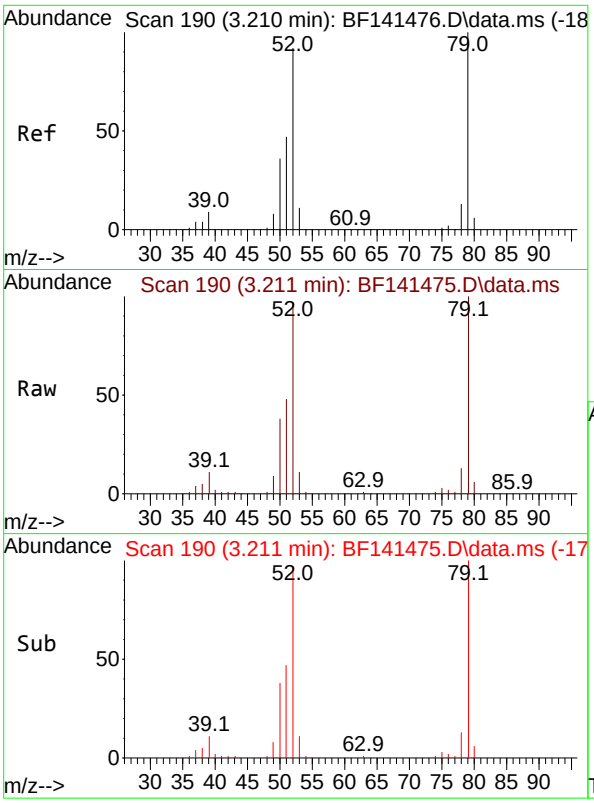


#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

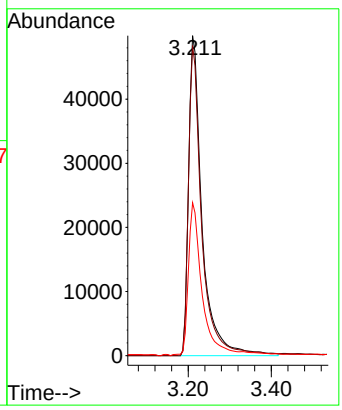




#3
Pyridine
Concen: 21.453 ng
RT: 3.211 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 79 Resp: 11290

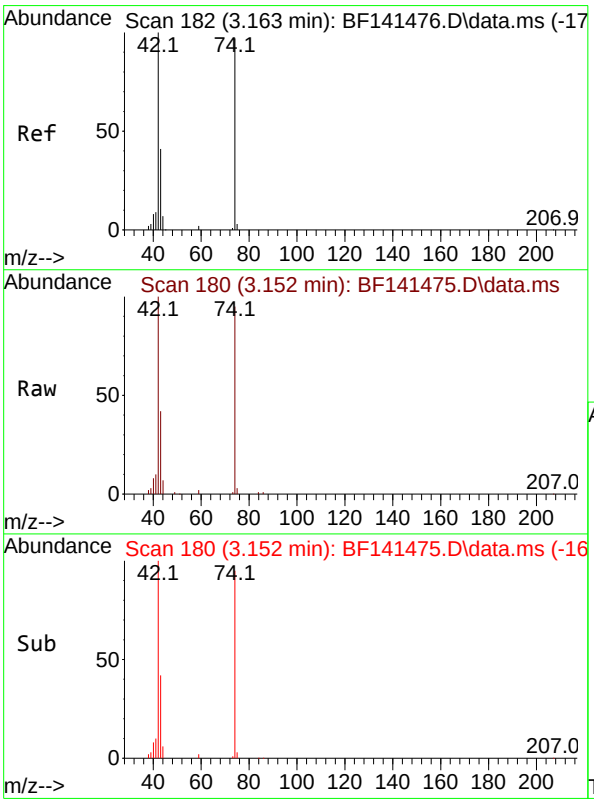
Ion	Ratio	Lower	Upper
79	100		
52	96.9	73.7	110.5
51	47.8	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

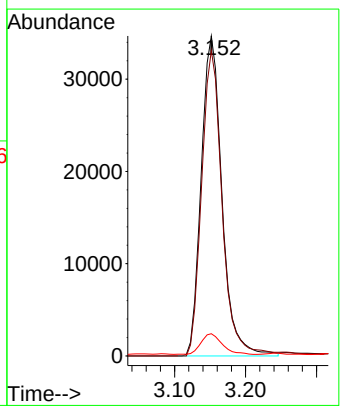
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

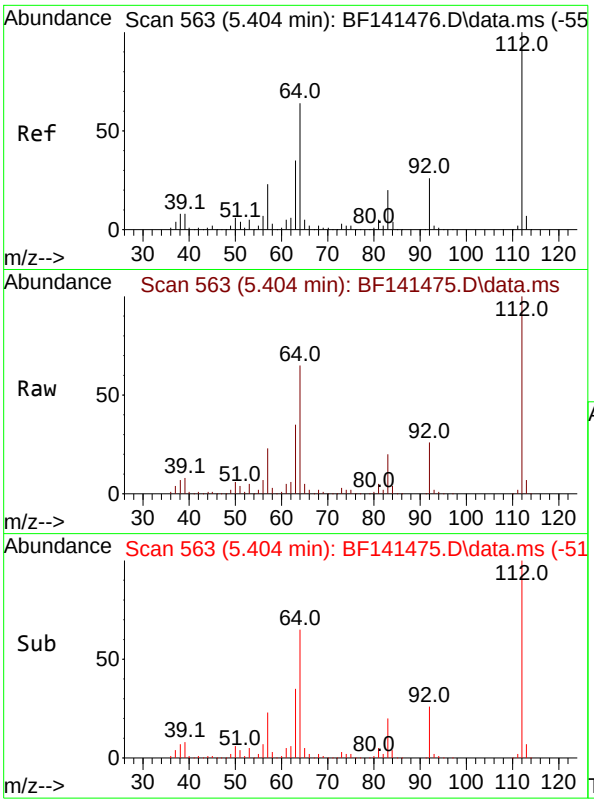


#4
n-Nitrosodimethylamine
Concen: 20.276 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

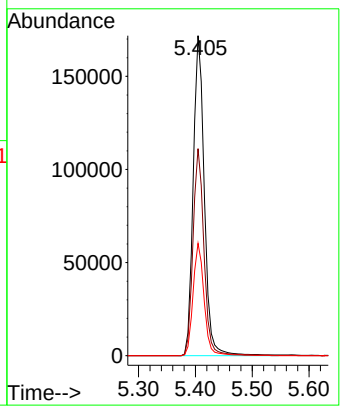




#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:112 Resp: 23510

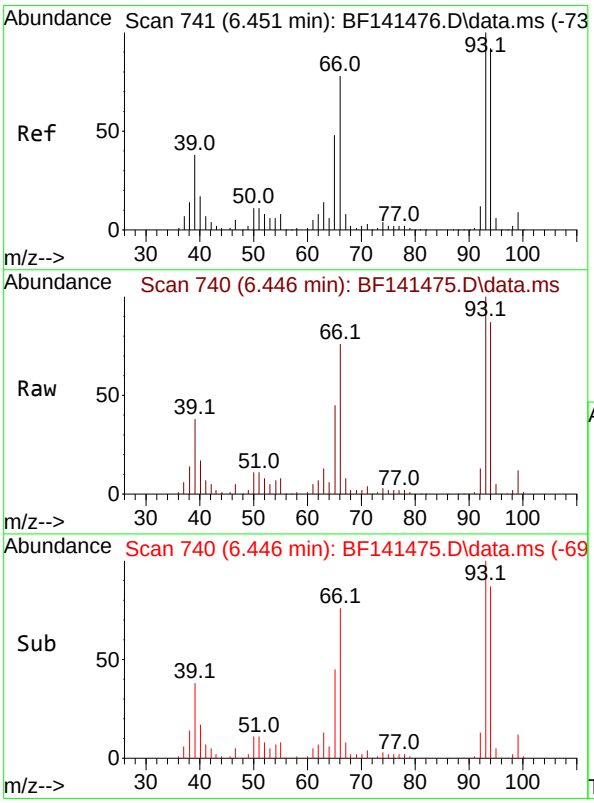
Ion	Ratio	Lower	Upper
112	100		
64	64.7	51.1	76.7
63	35.1	28.4	42.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

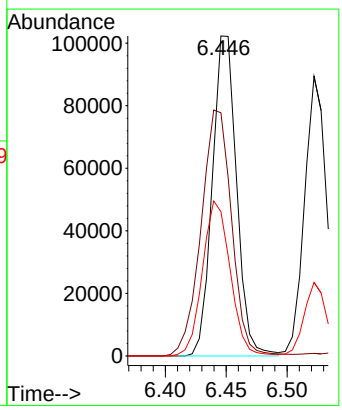
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

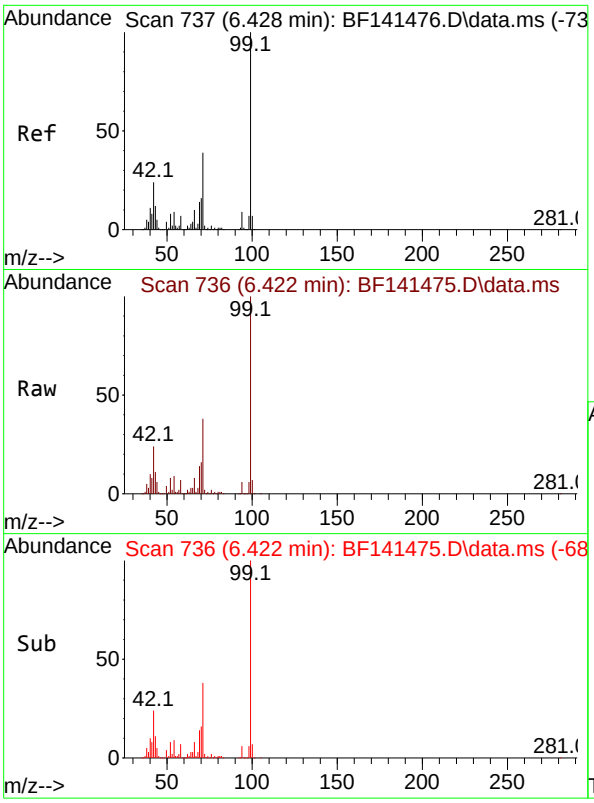


#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

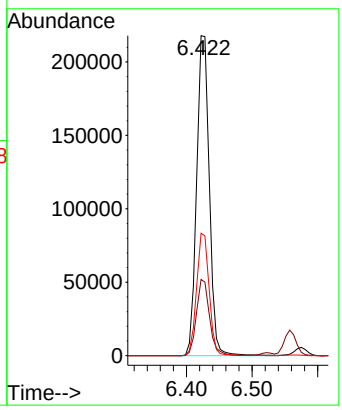
Tgt Ion: 99 Resp: 29360

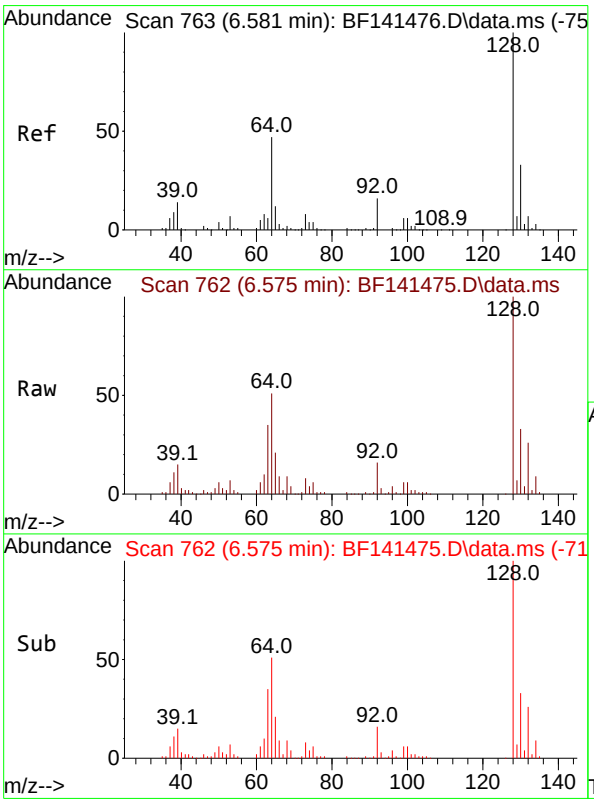
Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.1	28.7
71	38.2	31.1	46.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

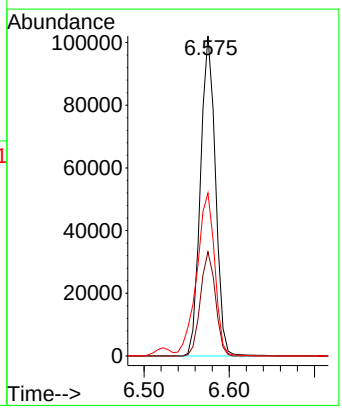


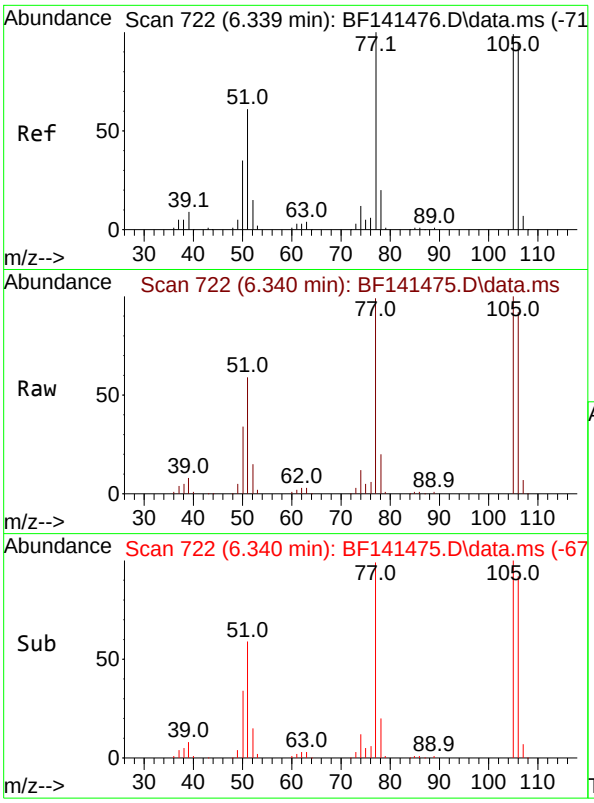


#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

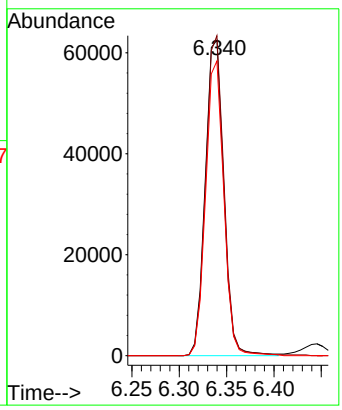




#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 8453

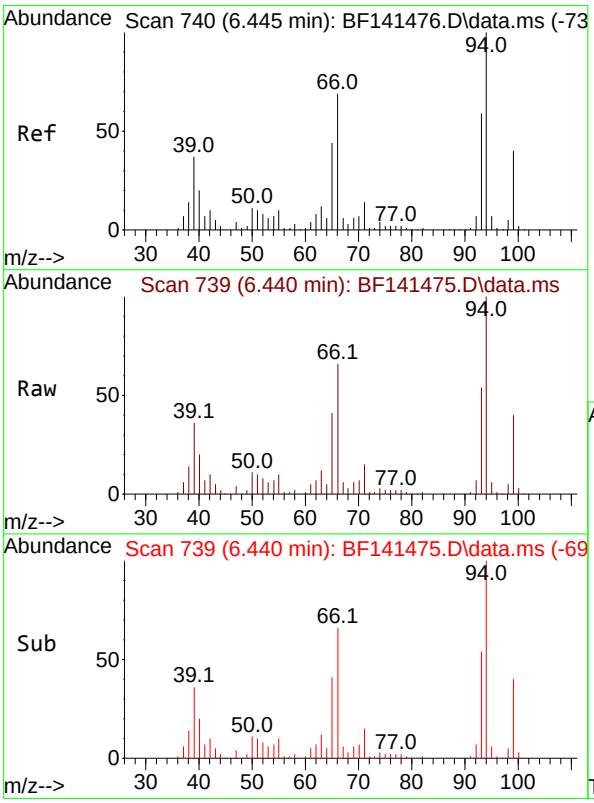
Ion	Ratio	Lower	Upper
77	100		
105	101.4	79.4	119.4
106	93.4	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

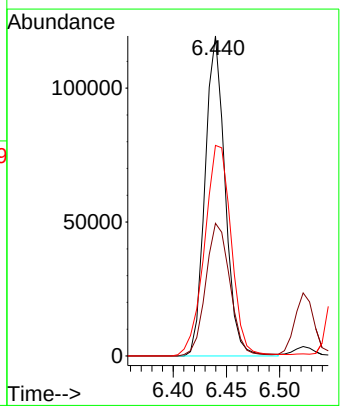
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

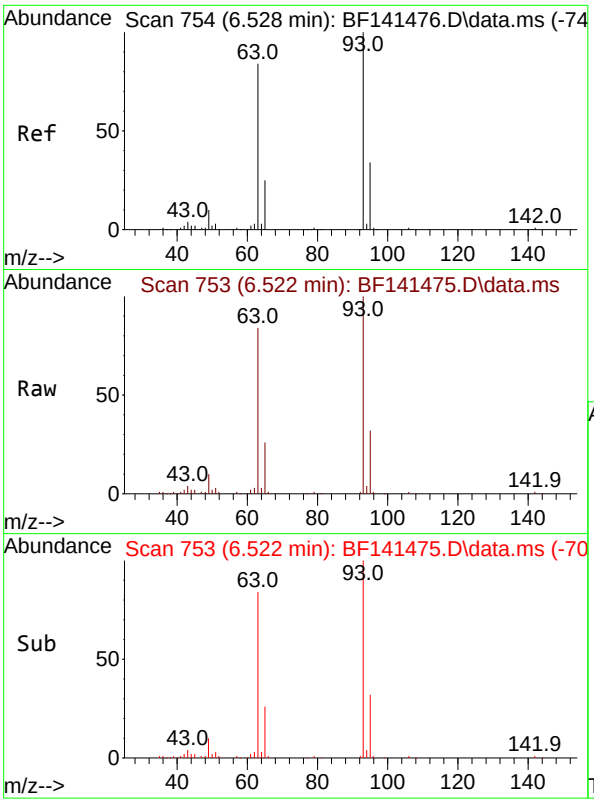


#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

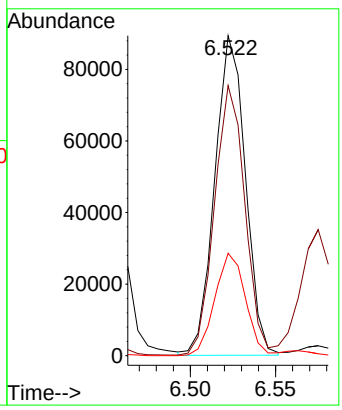




#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 93 Resp: 11167

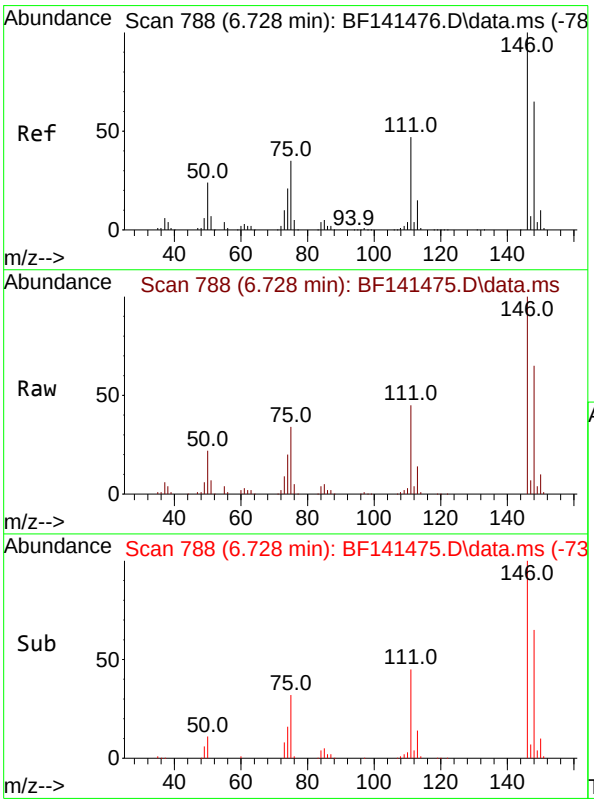
Ion	Ratio	Lower	Upper
93	100		
63	84.4	62.0	102.0
95	32.0	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

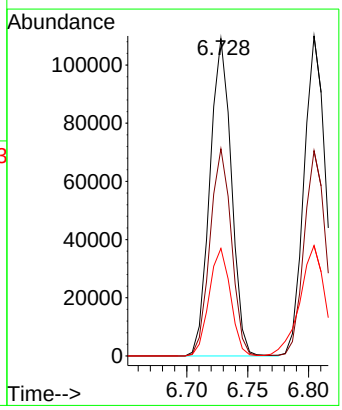
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

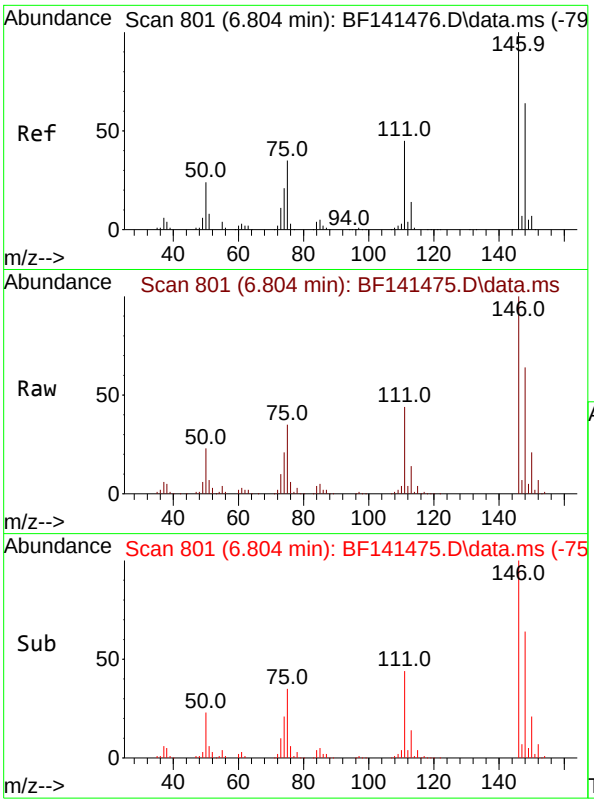


#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

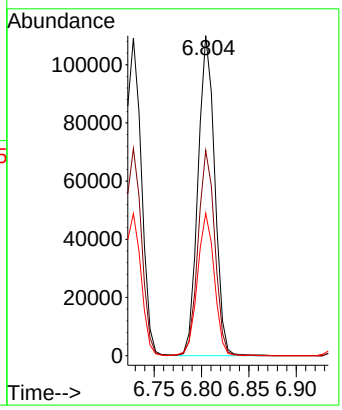




#13
1,4-Dichlorobenzene
Concen: 21.134 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:146 Resp: 13535

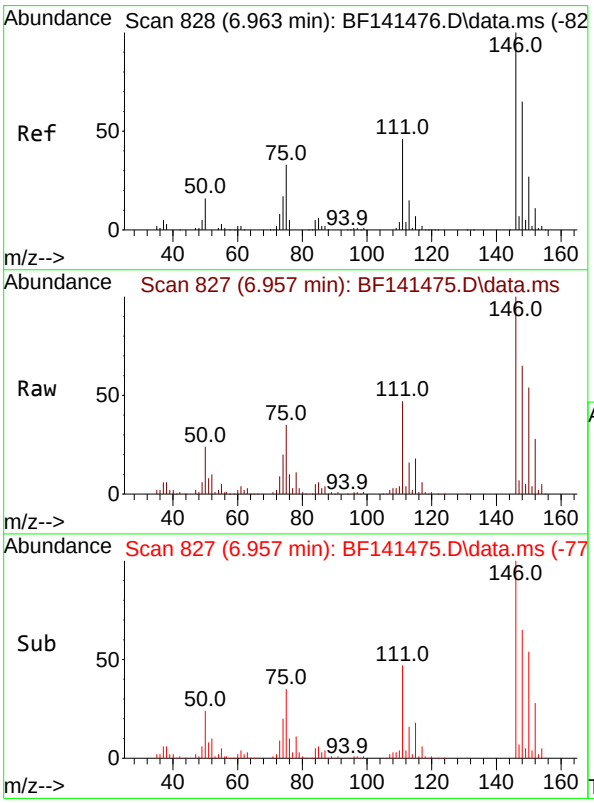
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	44.5	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

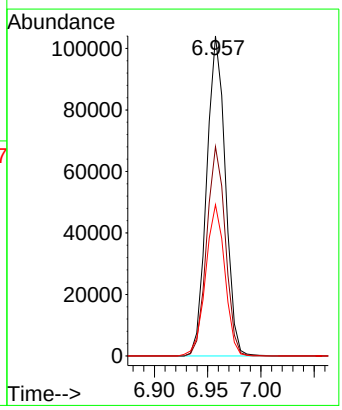
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

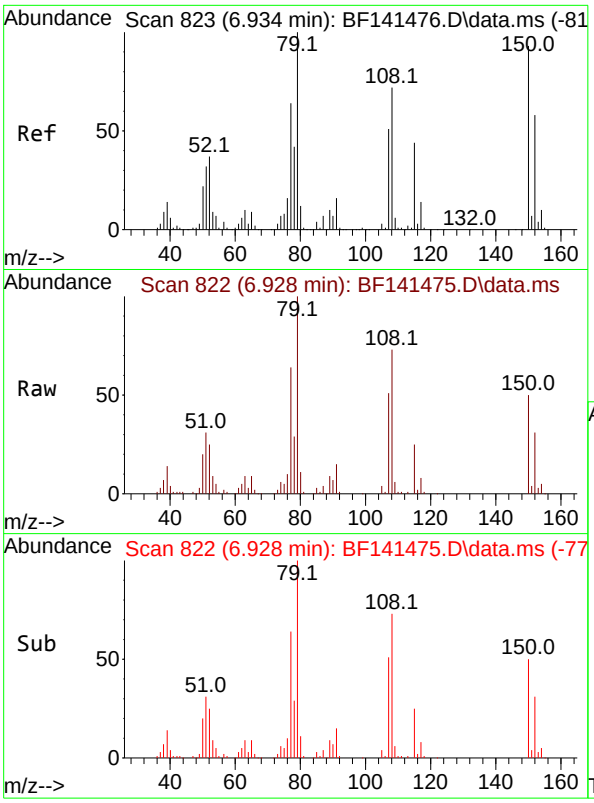


#14
1,2-Dichlorobenzene
Concen: 21.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

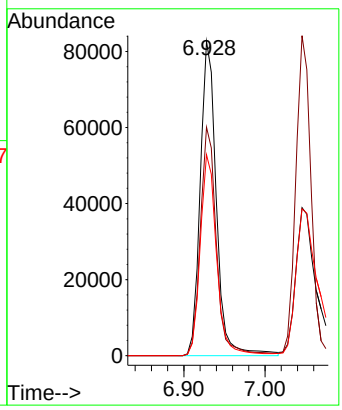




#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 79 Resp: 11390

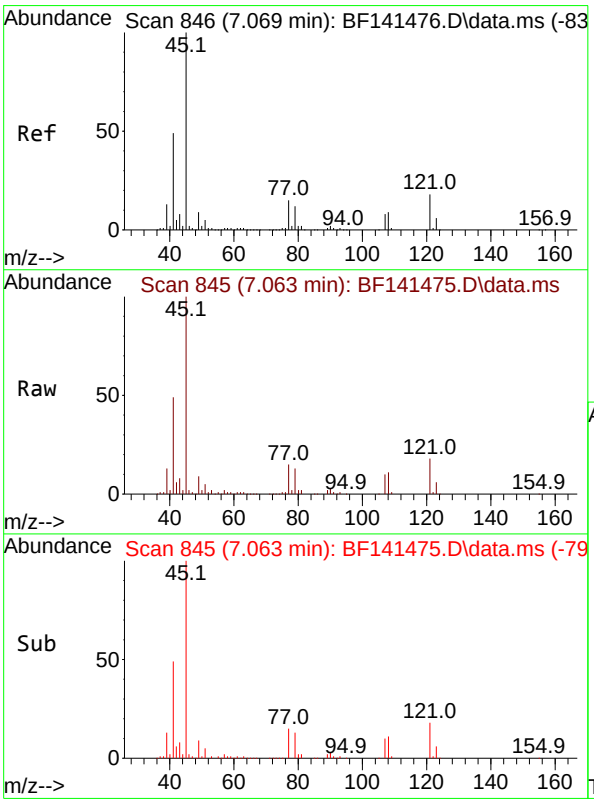
Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.4	86.2
77	63.9	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

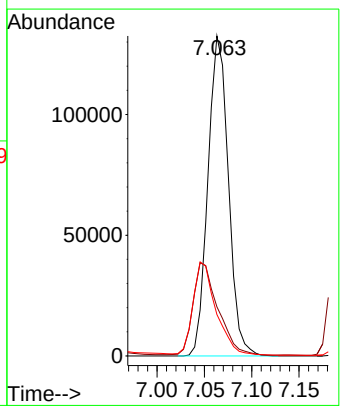
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

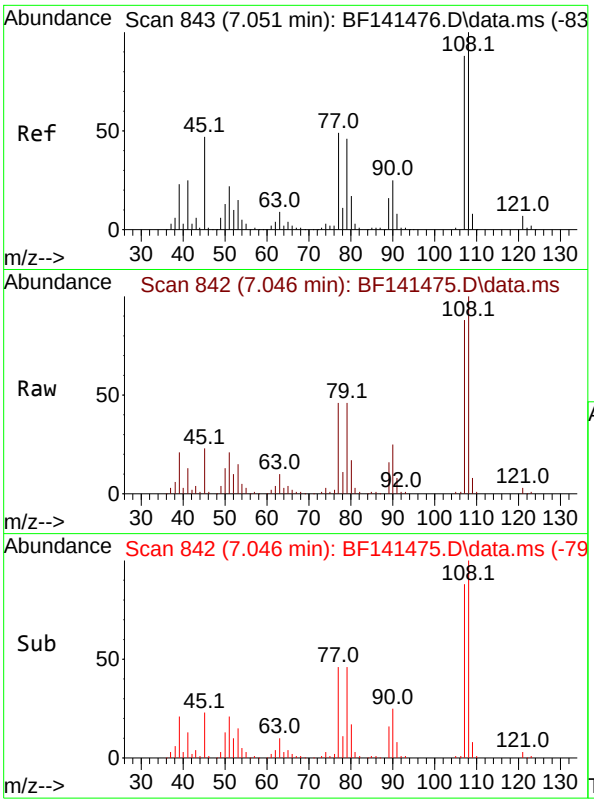


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

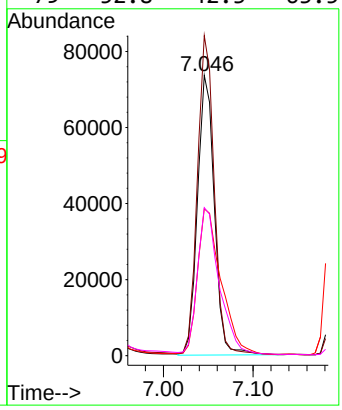




#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:107 Resp: 9660

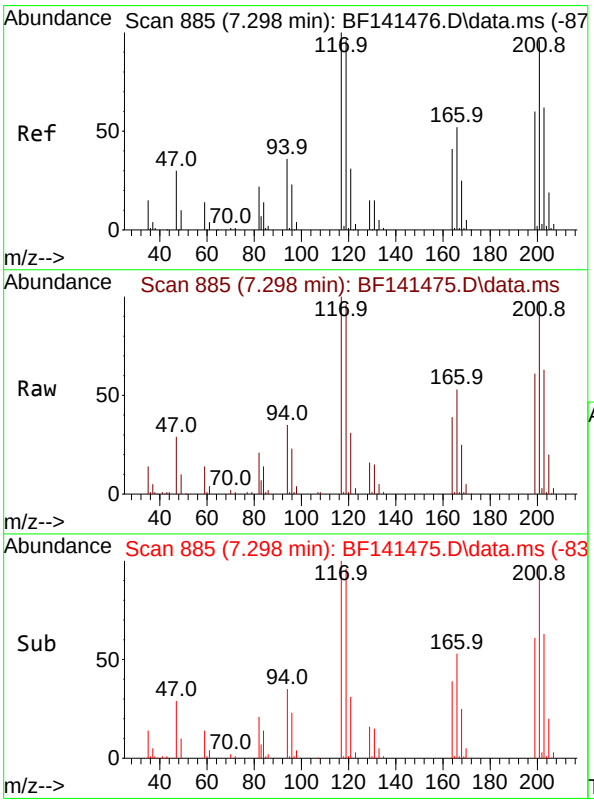
Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	52.4	44.4	66.6
79	52.8	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

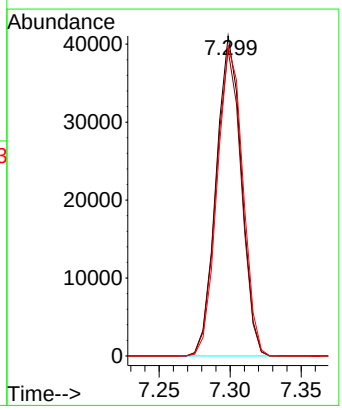
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

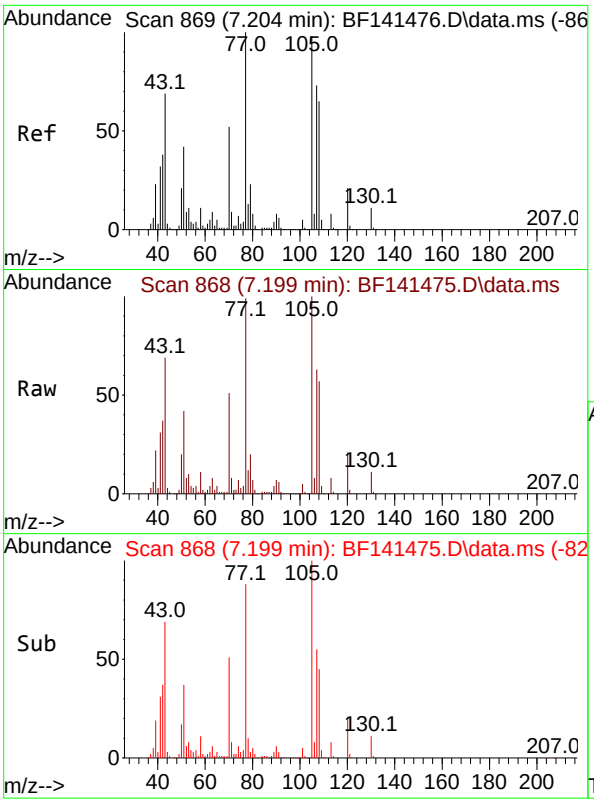


#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

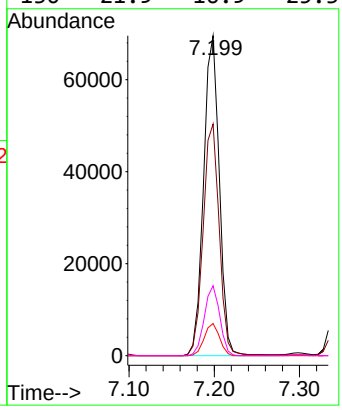




#19
n-Nitroso-di-n-propylamine
Concen: 21.546 ng
RT: 7.199 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 70 Resp: 8951

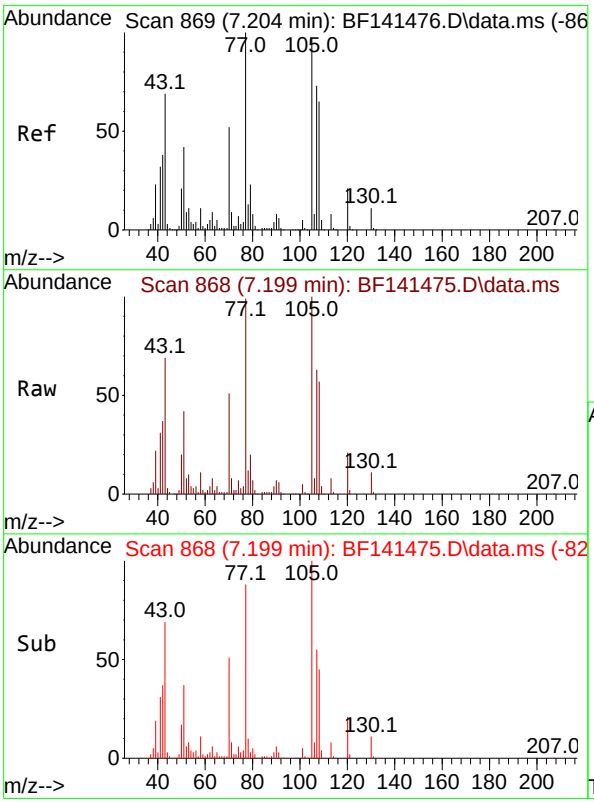
Ion	Ratio	Lower	Upper
70	100		
42	72.4	57.4	86.2
101	10.0	8.0	12.0
130	21.9	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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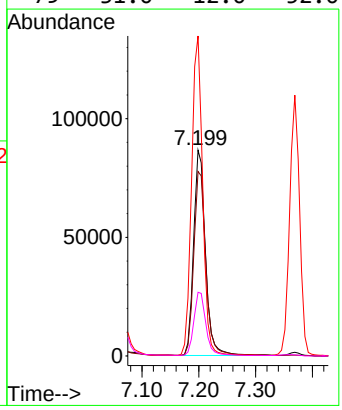
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

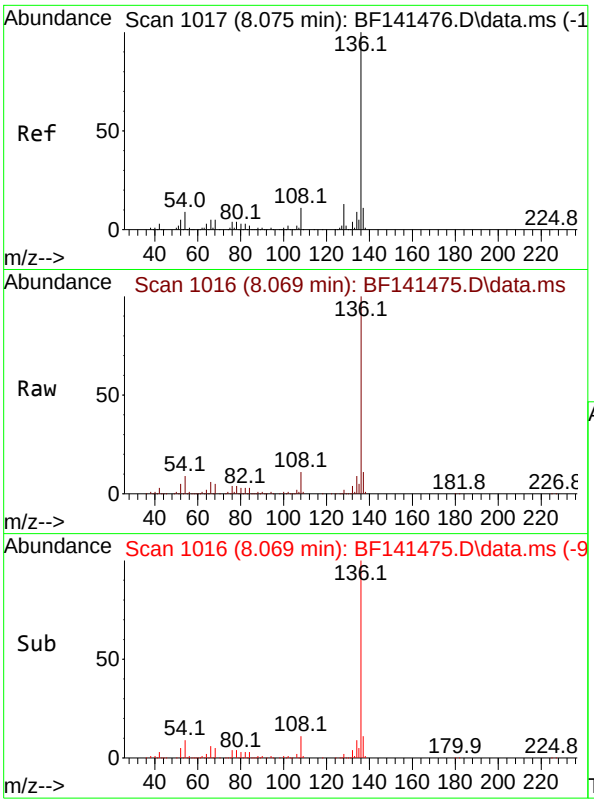


#20
3+4-Methylphenols
Concen: 21.287 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

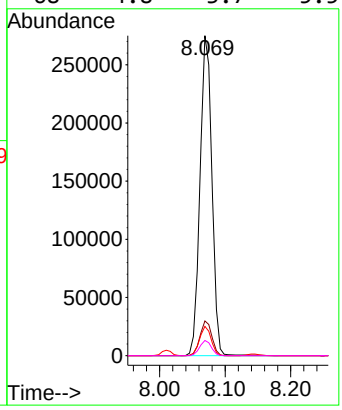




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:136 Resp: 34801

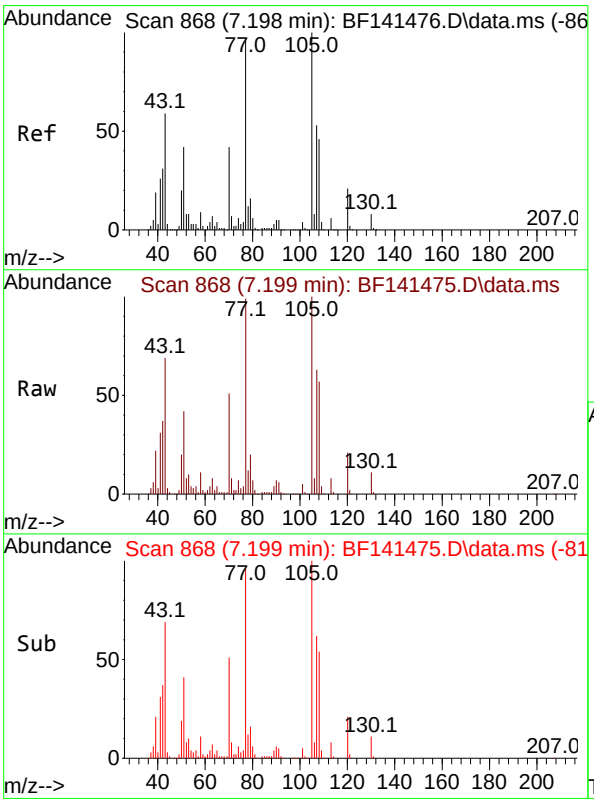
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.8	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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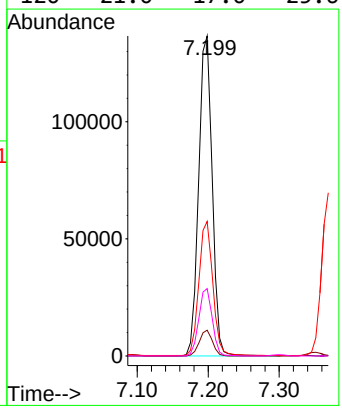
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

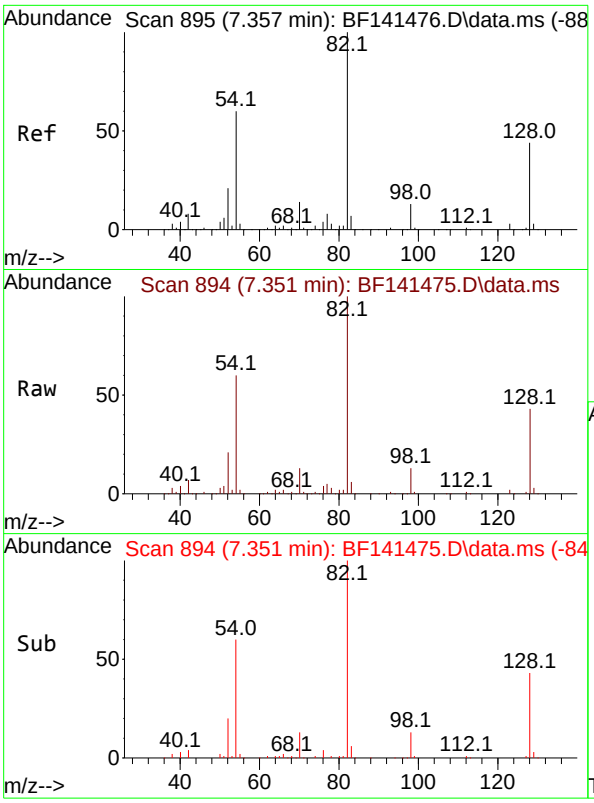


#22
Acetophenone
Concen: 20.946 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

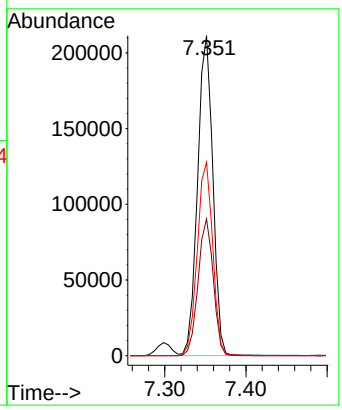




#23
Nitrobenzene-d5
Concen: 41.331 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 82 Resp: 27577

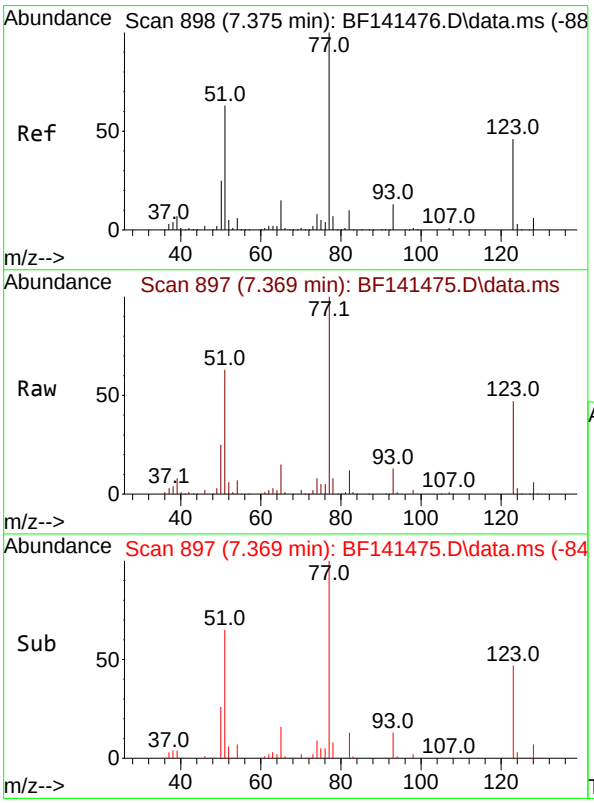
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	60.5	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

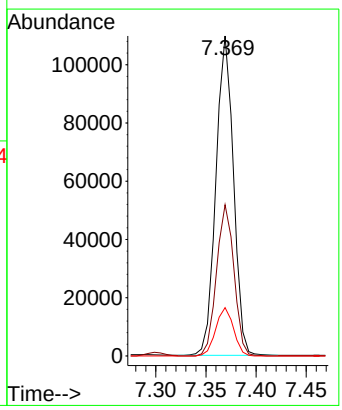
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

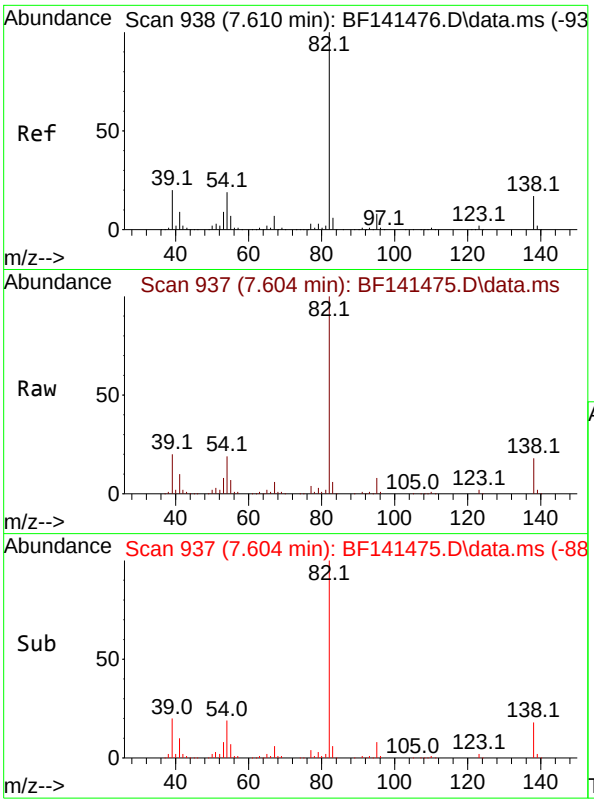


#24
Nitrobenzene
Concen: 20.485 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

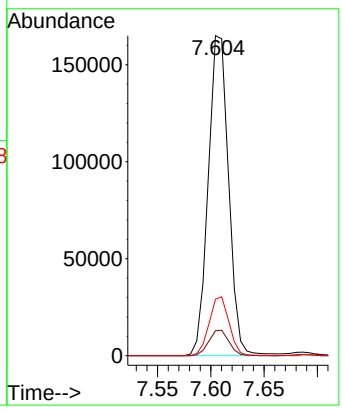




#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 82 Resp: 22029

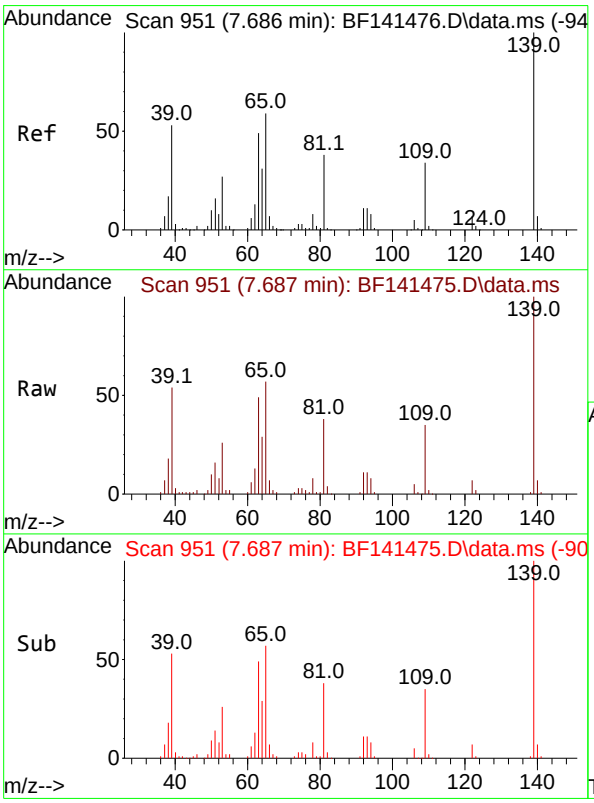
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.6	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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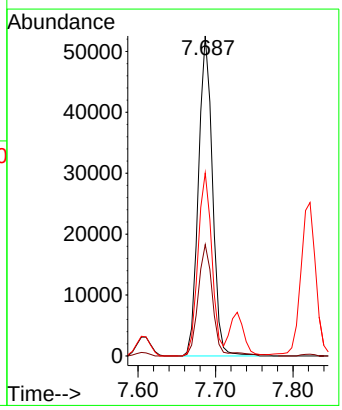
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

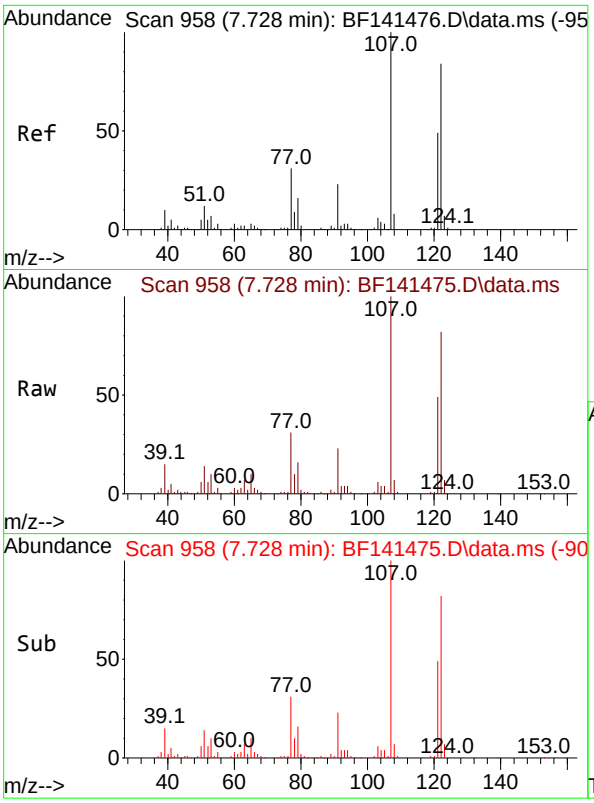


#26
2-Nitrophenol
Concen: 20.449 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

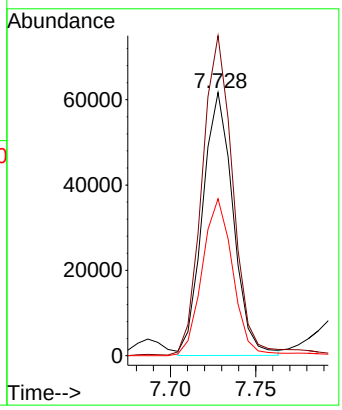




#27
2,4-Dimethylphenol
Concen: 20.296 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:122 Resp: 7675

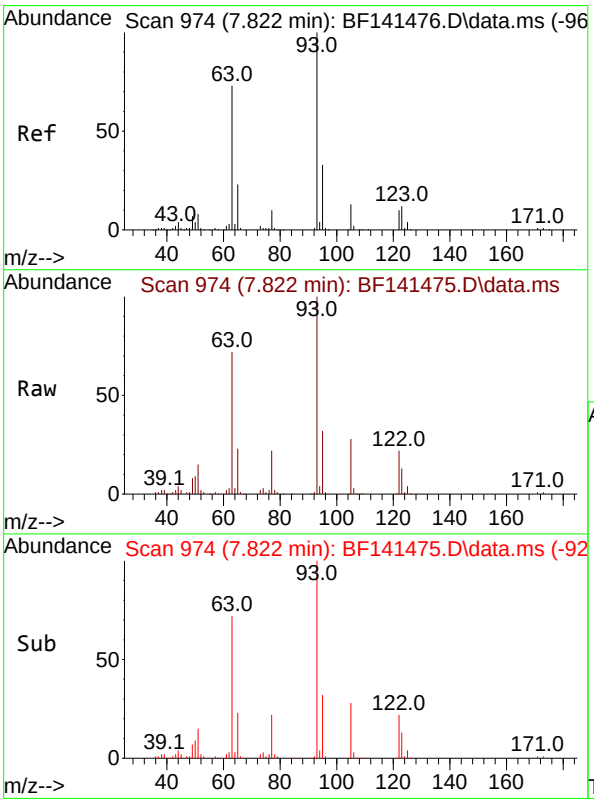
Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.3	141.5
121	59.6	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

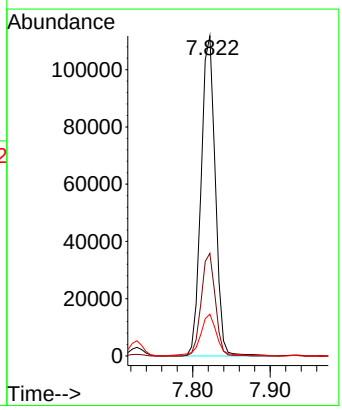
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

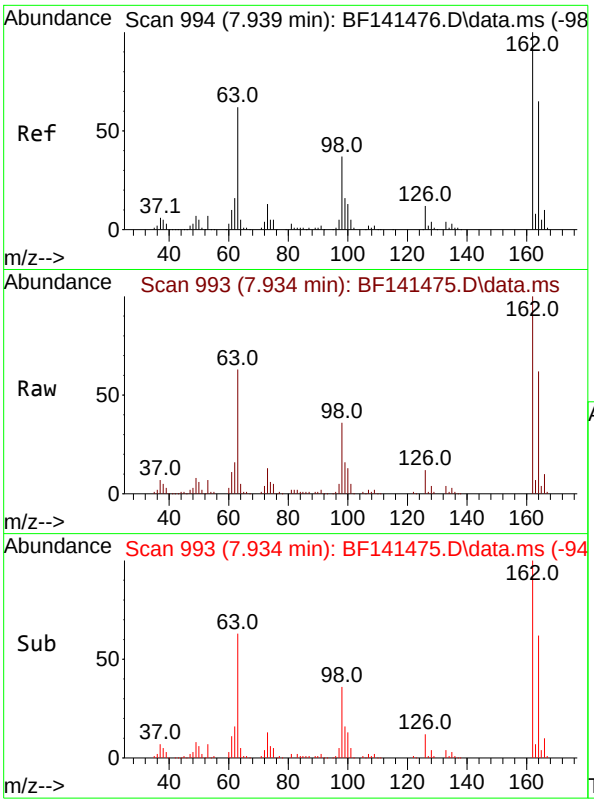


#28
bis(2-Chloroethoxy)methane
Concen: 20.852 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

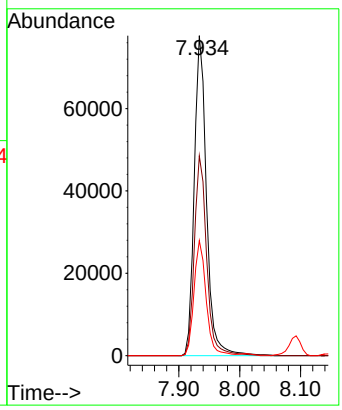
Tgt Ion:162 Resp: 10845

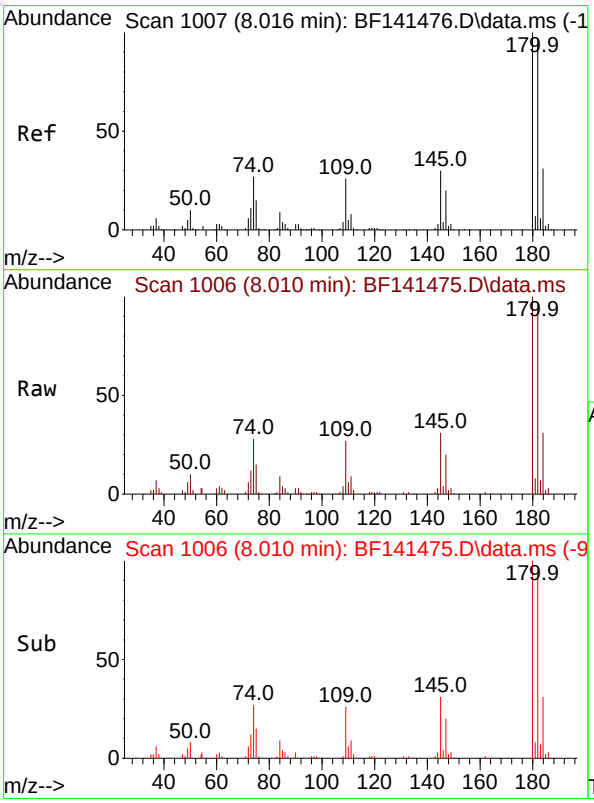
Ion	Ratio	Lower	Upper
162	100		
164	62.4	44.6	84.6
98	36.0	17.2	57.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

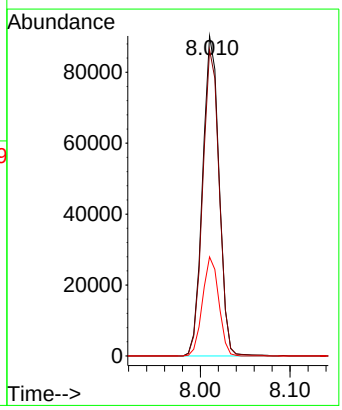


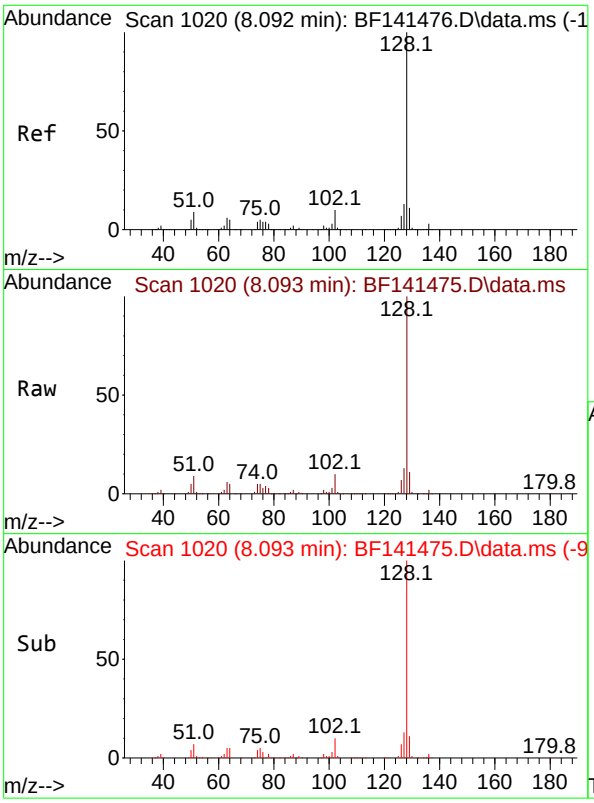


#30
1,2,4-Trichlorobenzene
Concen: 20.678 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

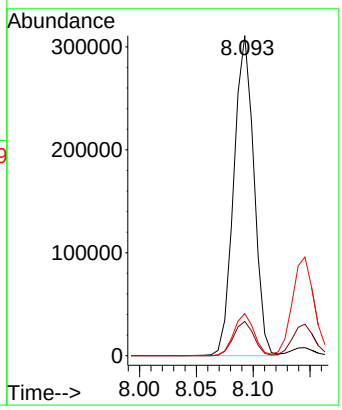




#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:128 Resp: 38154

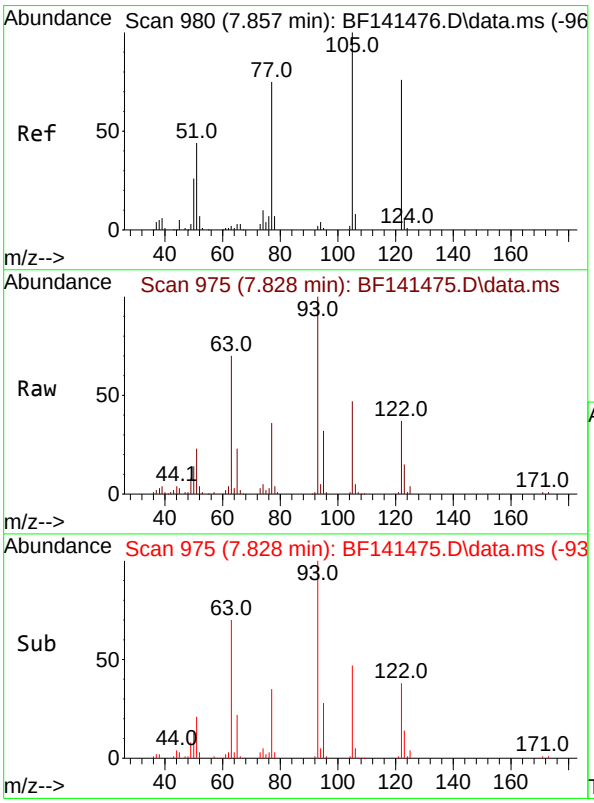
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.2	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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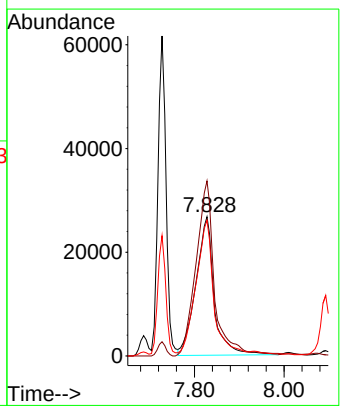
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

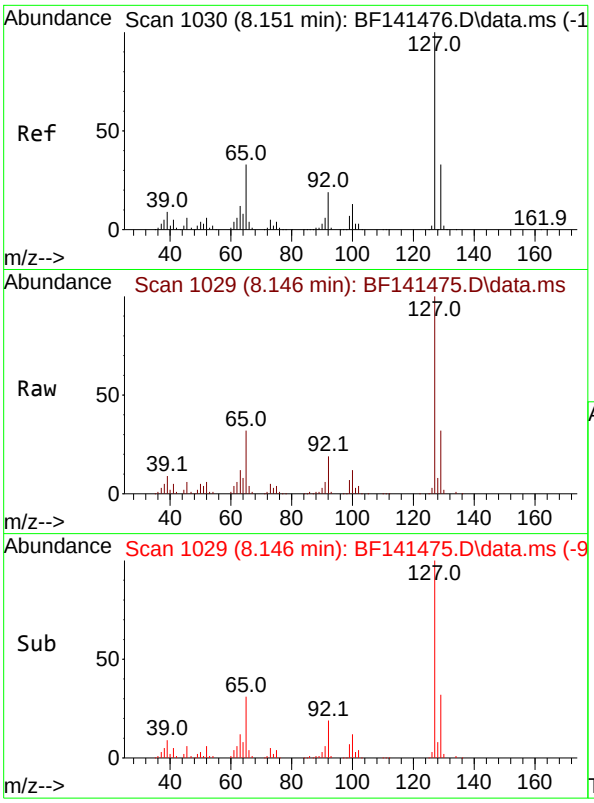


#32
Benzoic acid
Concen: 19.212 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

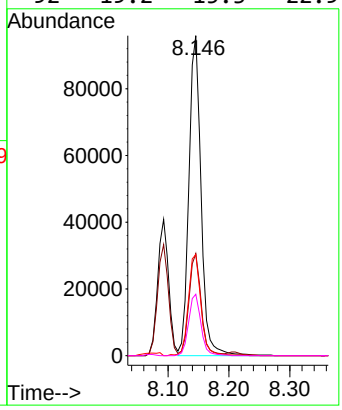




#33
4-Chloroaniline
Concen: 21.014 ng
RT: 8.146 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:127 Resp: 13291

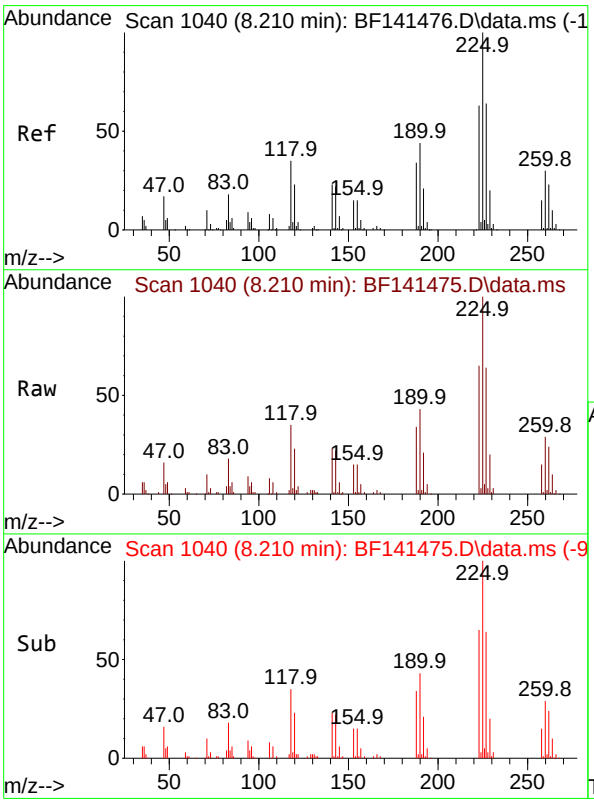
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	31.6	26.4	39.6
92	19.2	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

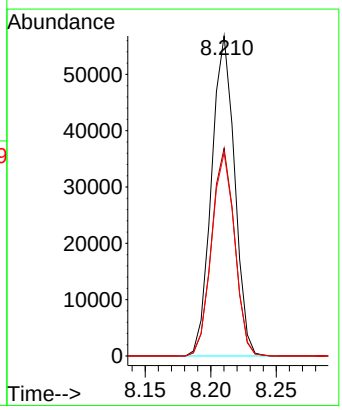
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

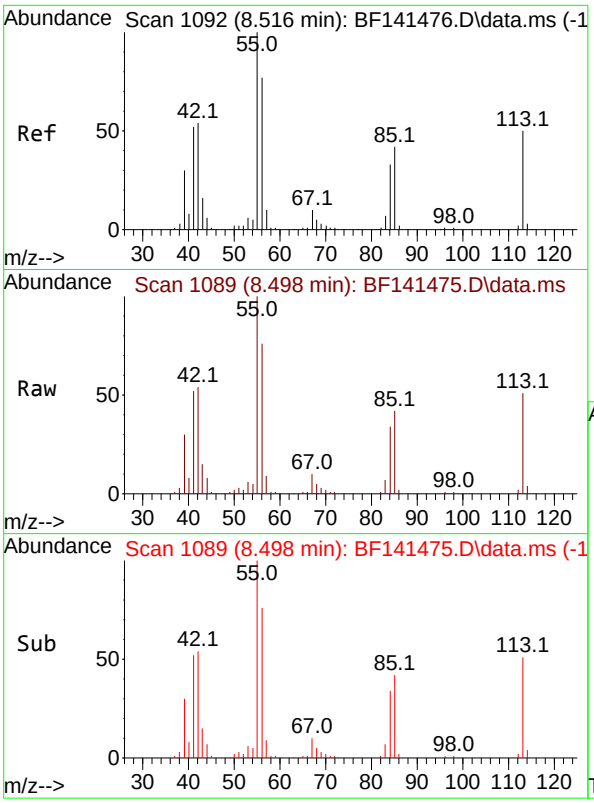


#34
Hexachlorobutadiene
Concen: 20.804 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

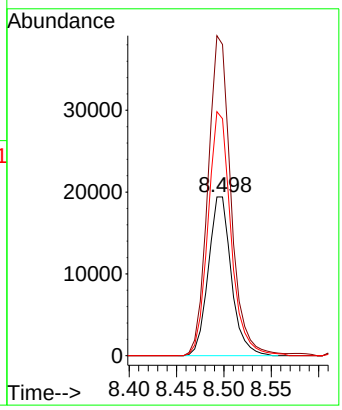




#35
Caprolactam
Concen: 21.050 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:113 Resp: 3274

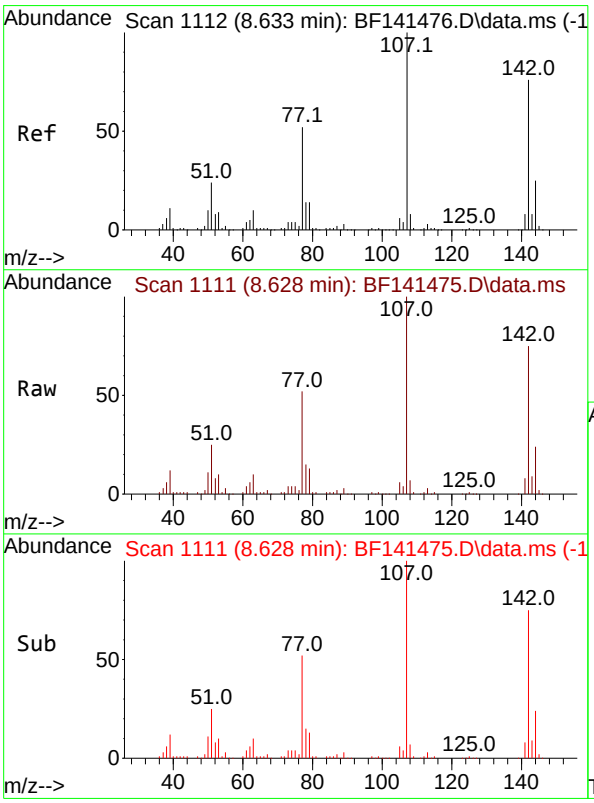
Ion	Ratio	Lower	Upper
113	100		
55	196.0	180.8	220.8
56	149.2	133.6	173.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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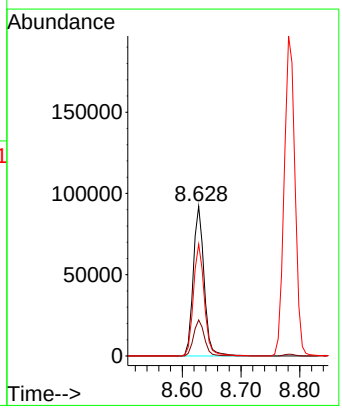
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

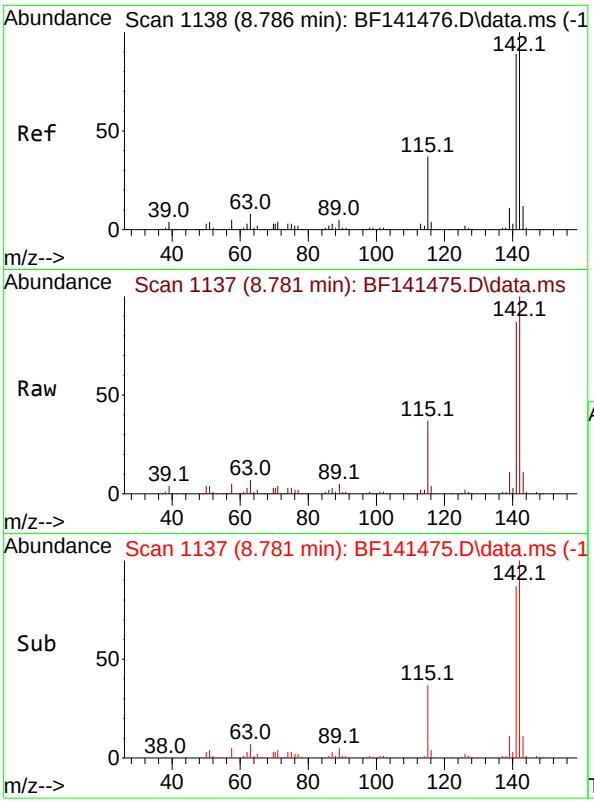


#36
4-Chloro-3-methylphenol
Concen: 21.029 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

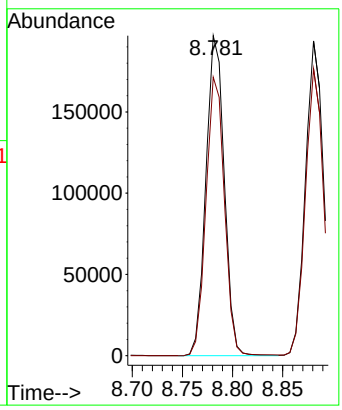




#37
2-Methylnaphthalene
Concen: 21.238 ng
RT: 8.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 25036

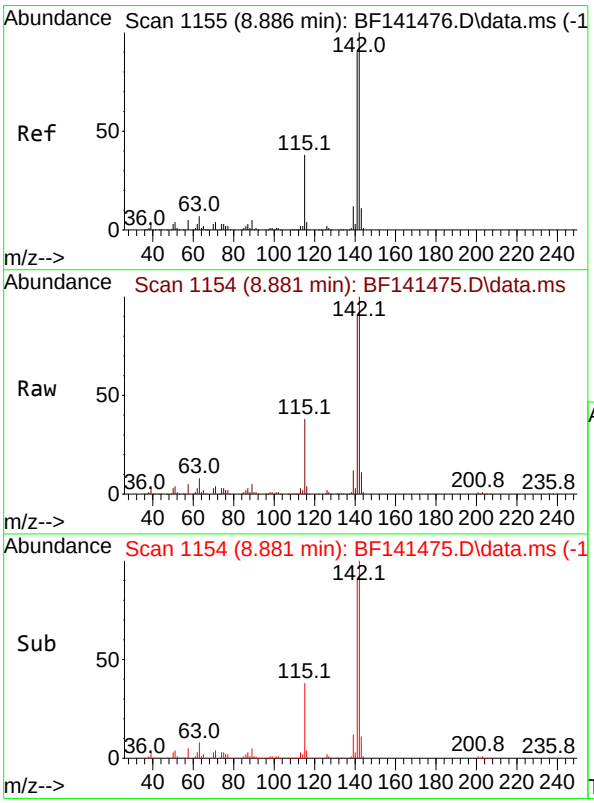
Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

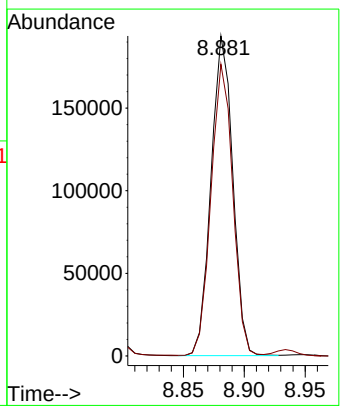
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

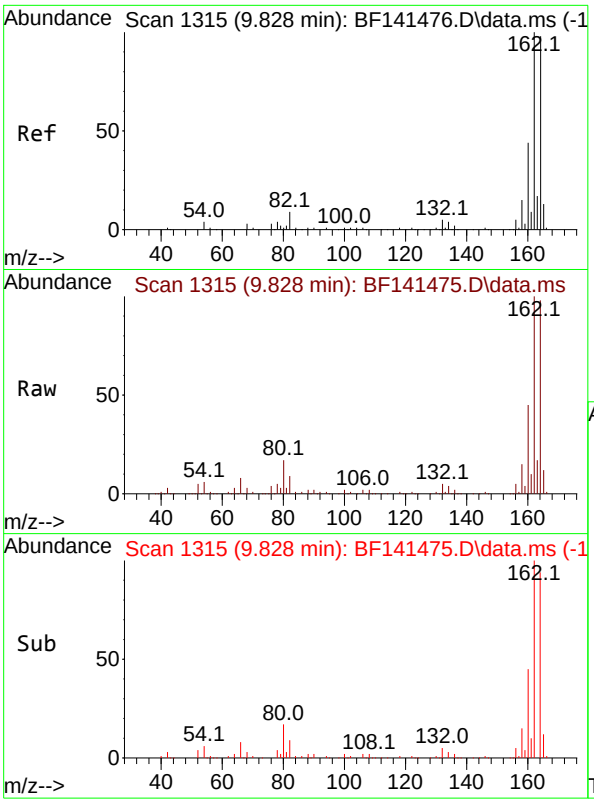


#38
1-Methylnaphthalene
Concen: 21.056 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 240408

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1

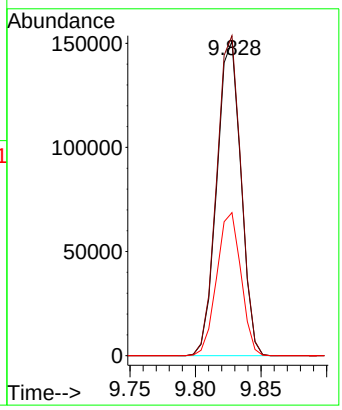




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:164 Resp: 19309

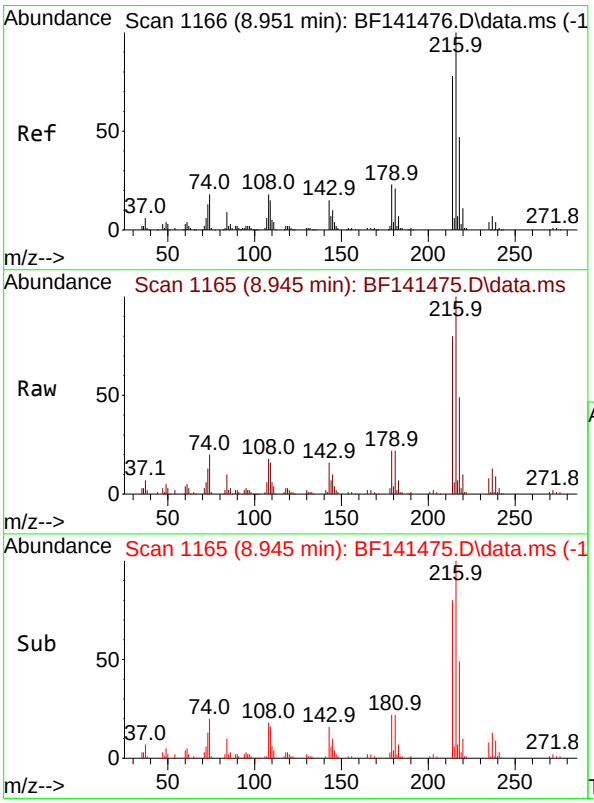
Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.3	121.9
160	45.5	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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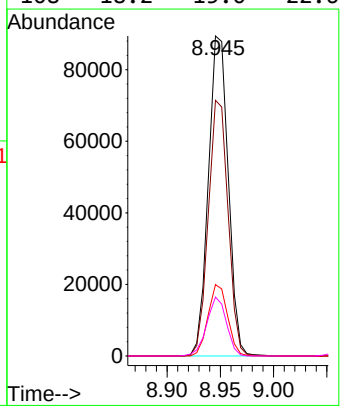
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

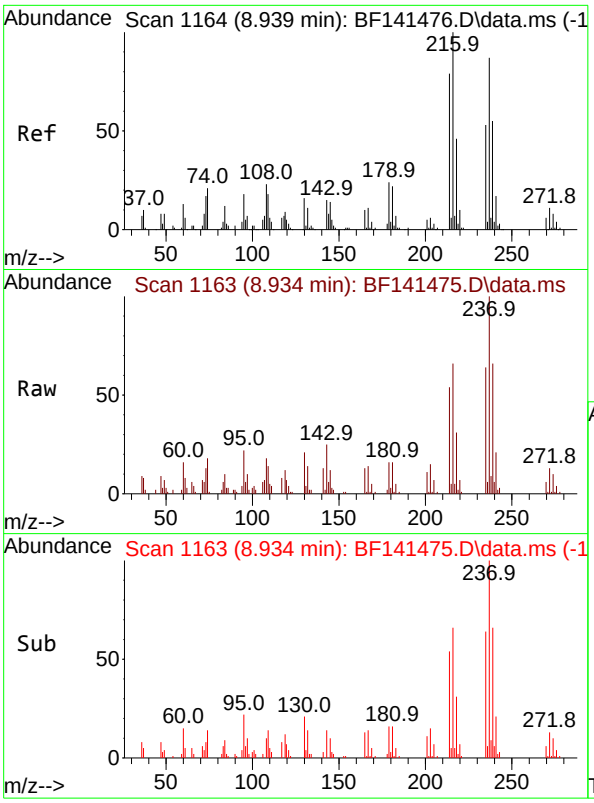


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.753 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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# 1
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

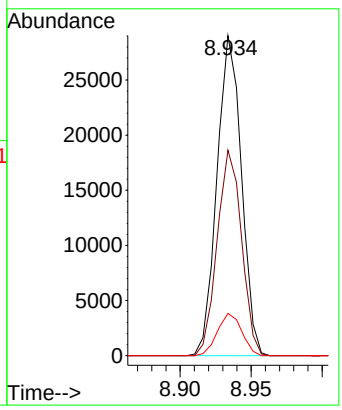
Tgt Ion:237 Resp: 3472

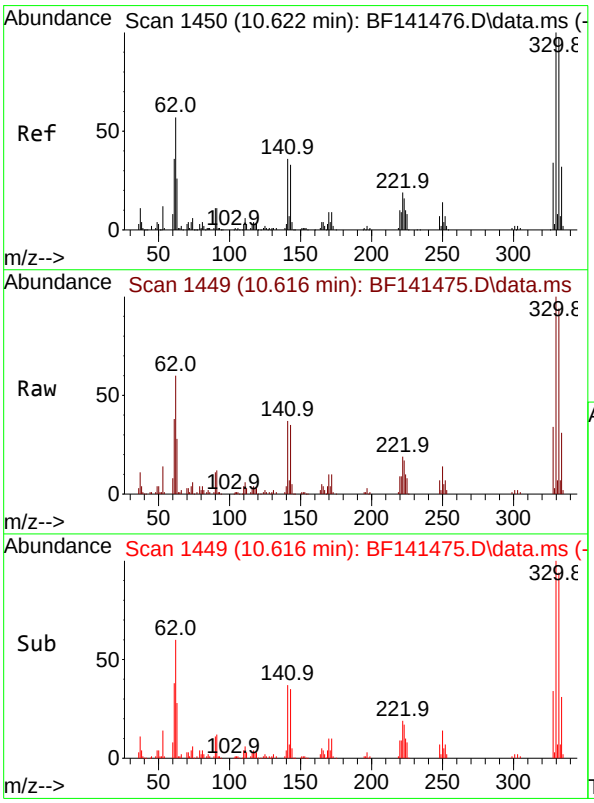
Ion	Ratio	Lower	Upper
237	100		
235	64.2	41.4	81.4
272	13.2	0.0	32.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

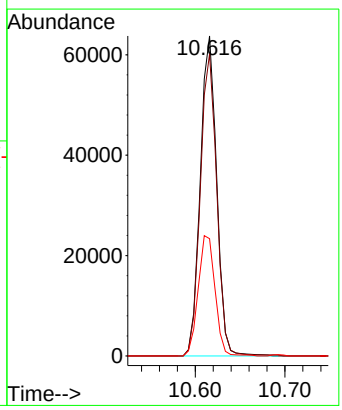


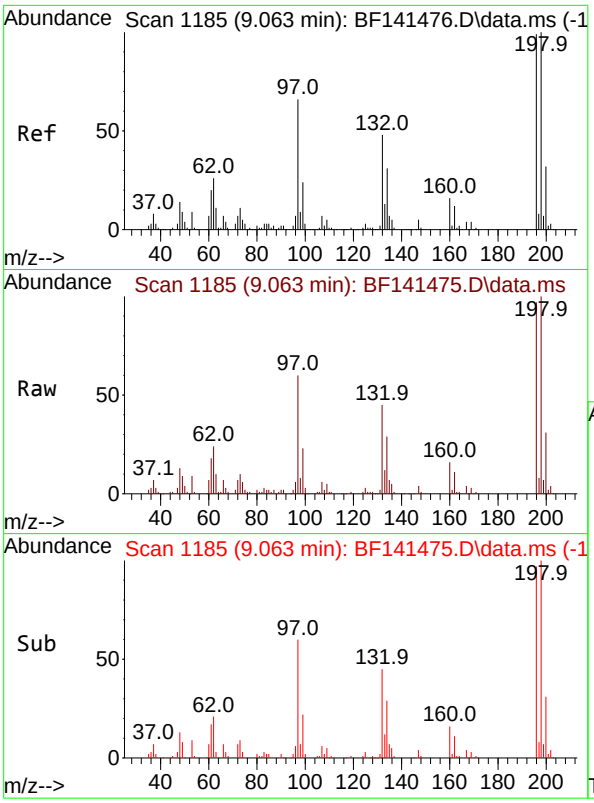


#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

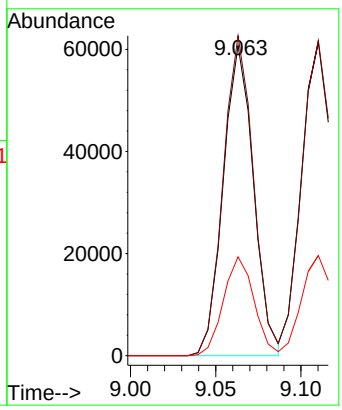




#43
2,4,6-Trichlorophenol
Concen: 20.817 ng
RT: 9.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:196 Resp: 7516

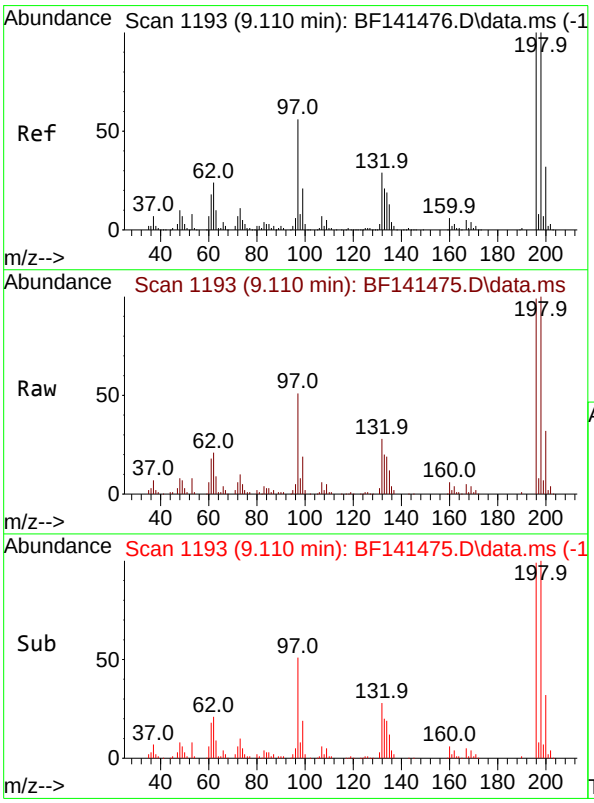
Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.6	121.0
200	31.9	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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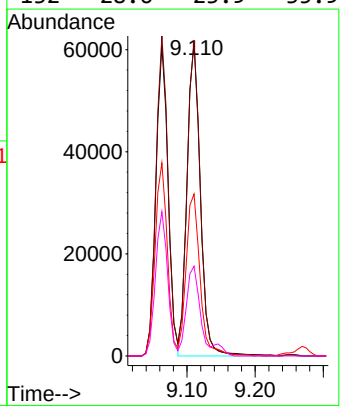
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

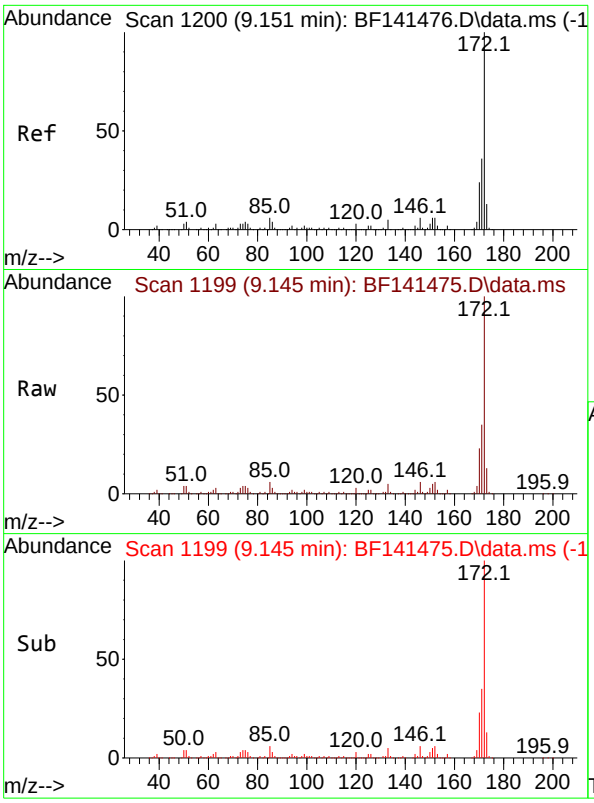


#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

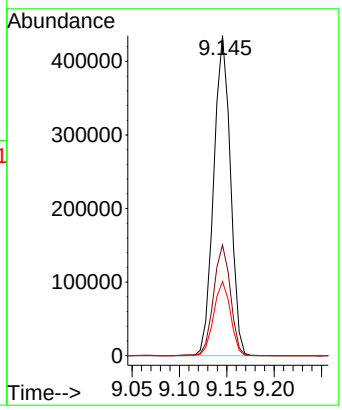




#45
2-Fluorobiphenyl
Concen: 42.674 ng
RT: 9.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:172 Resp: 53484

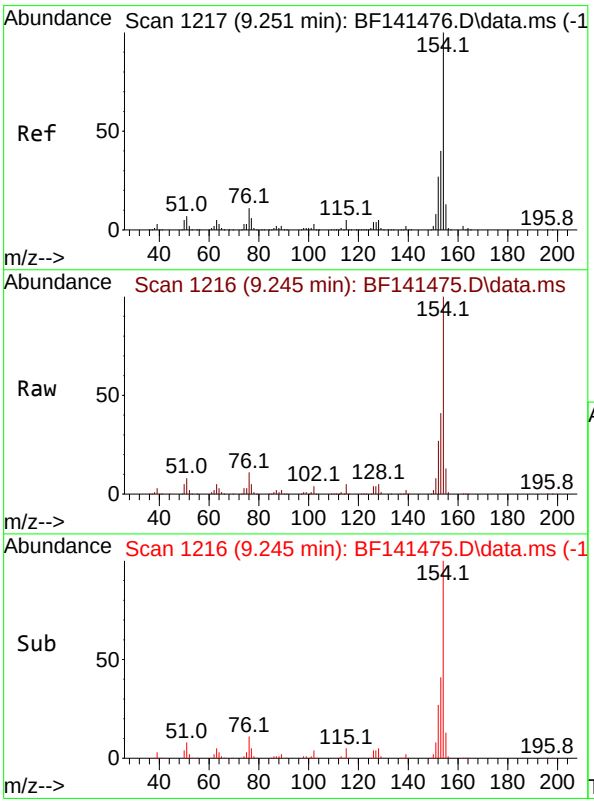
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.7	43.1
170	23.1	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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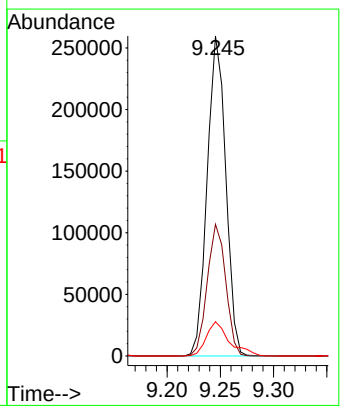
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

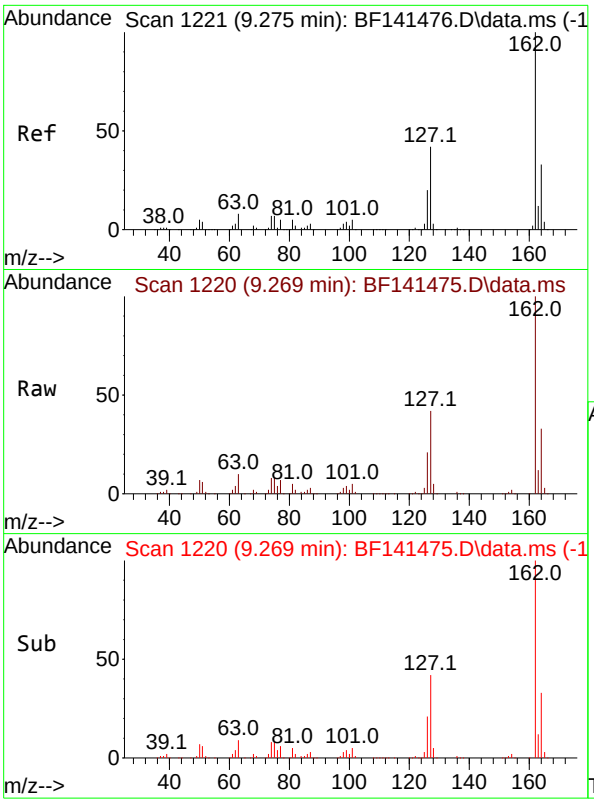


#46
1,1'-Biphenyl
Concen: 21.045 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

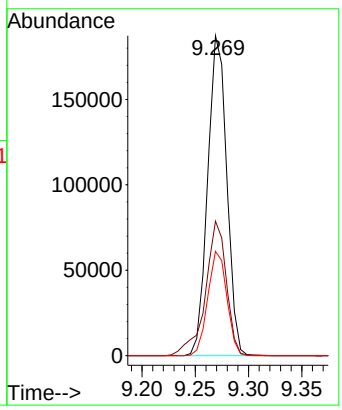




#47
2-Chloronaphthalene
Concen: 21.119 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:162 Resp: 23378

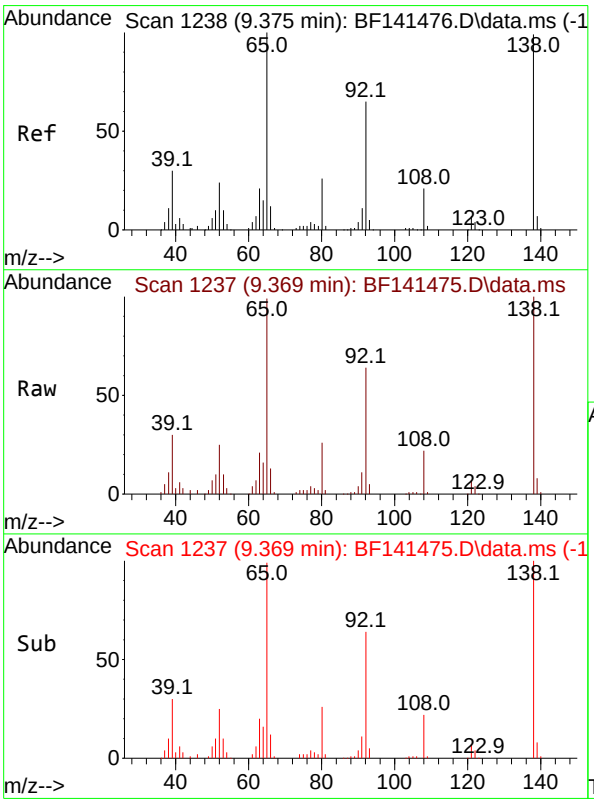
Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.1	51.1
164	32.6	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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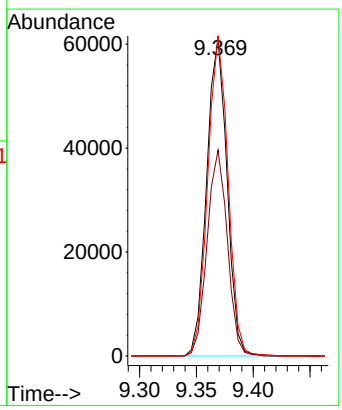
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

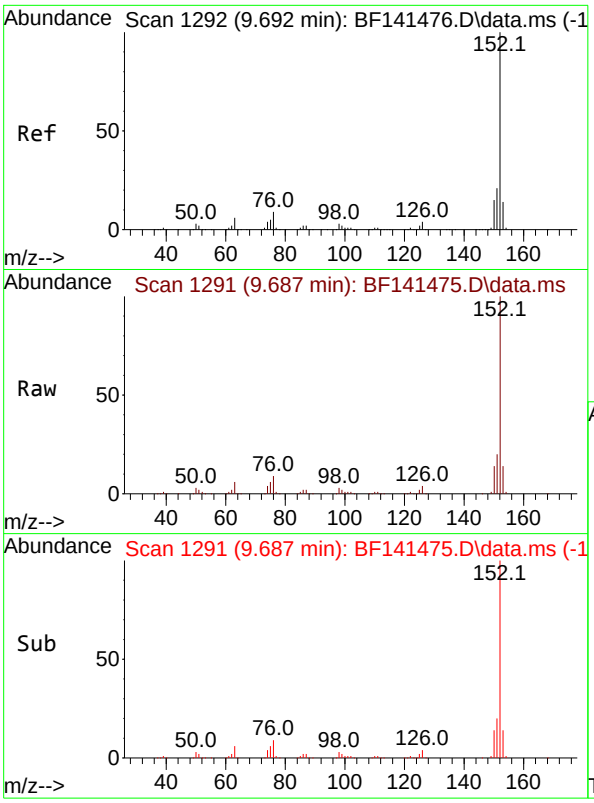


#48
2-Nitroaniline
Concen: 20.455 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

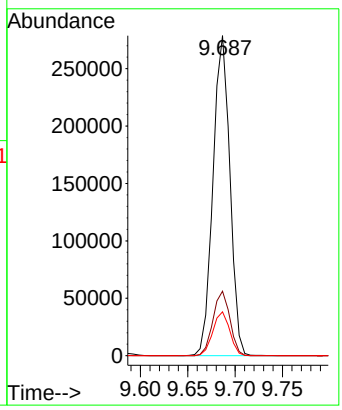




#49
Acenaphthylene
Concen: 21.004 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:152 Resp: 34582

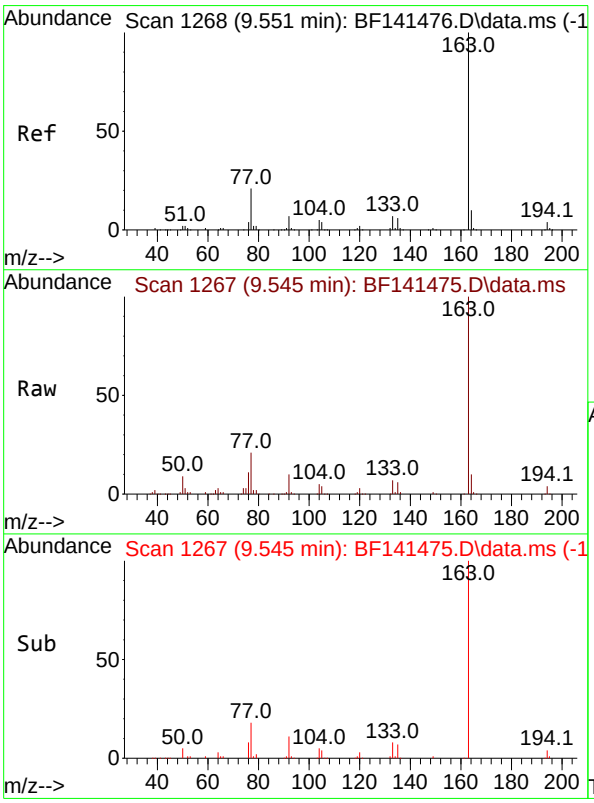
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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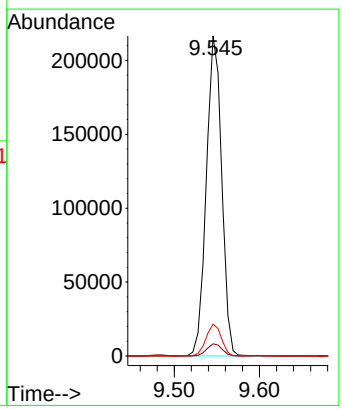
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

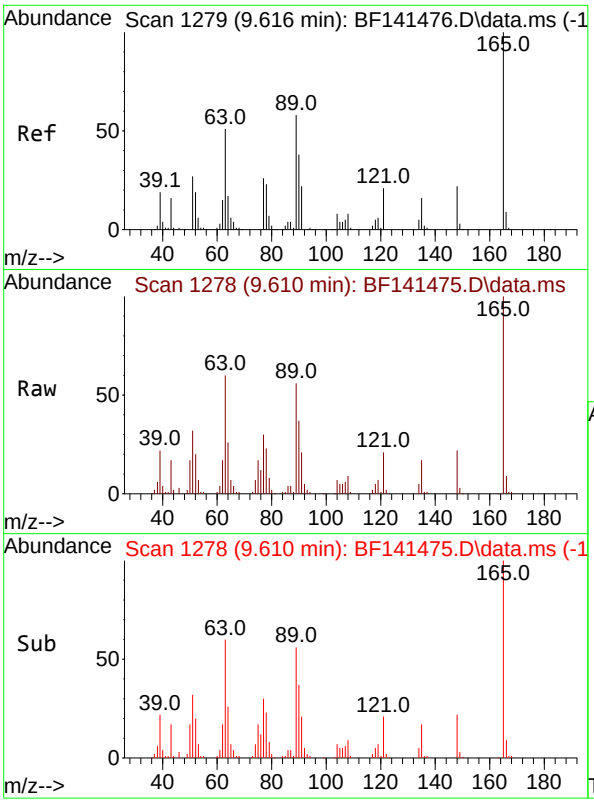


#50
Dimethylphthalate
Concen: 20.744 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

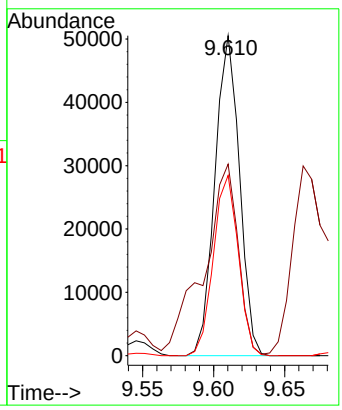
Tgt Ion:165 Resp: 6070

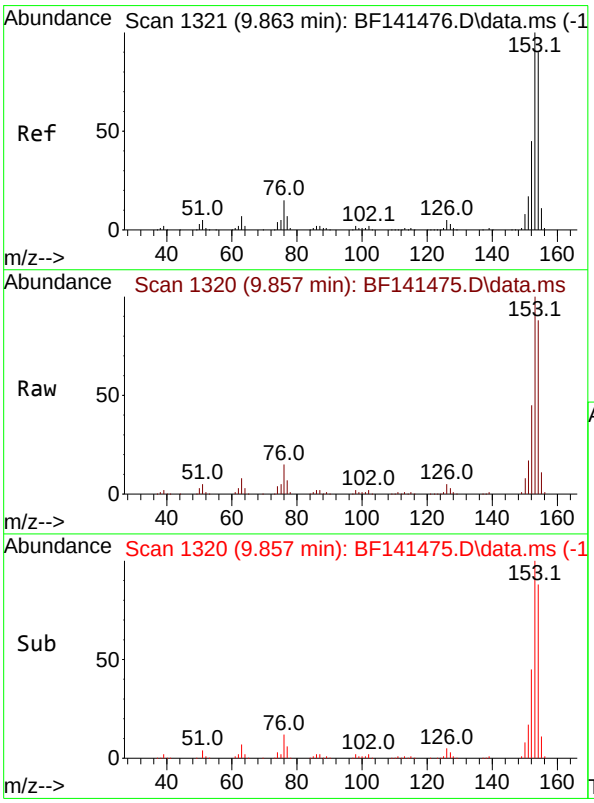
Ion	Ratio	Lower	Upper
165	100		
63	59.8	49.4	74.0
89	56.3	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

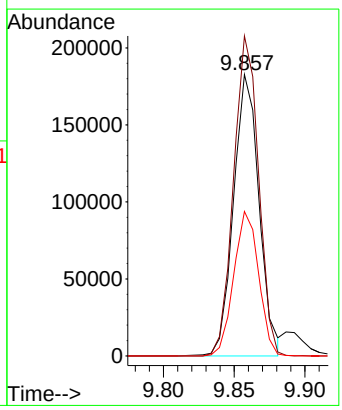


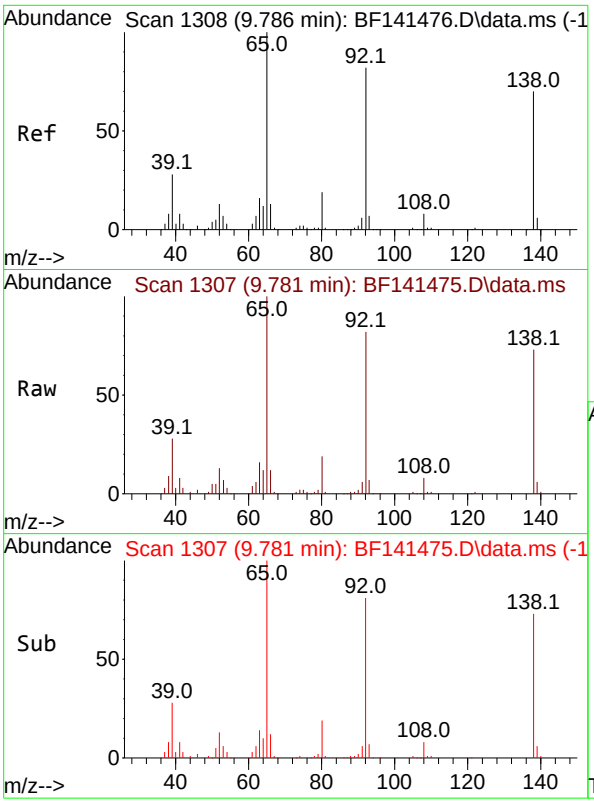


#52
Acenaphthene
Concen: 20.728 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

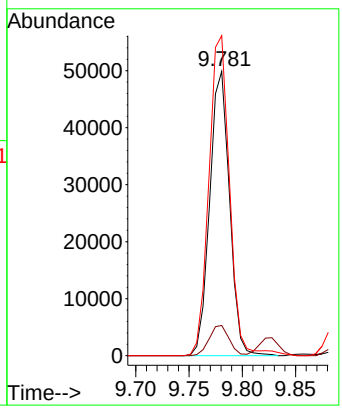
Tgt Ion:138 Resp: 6462

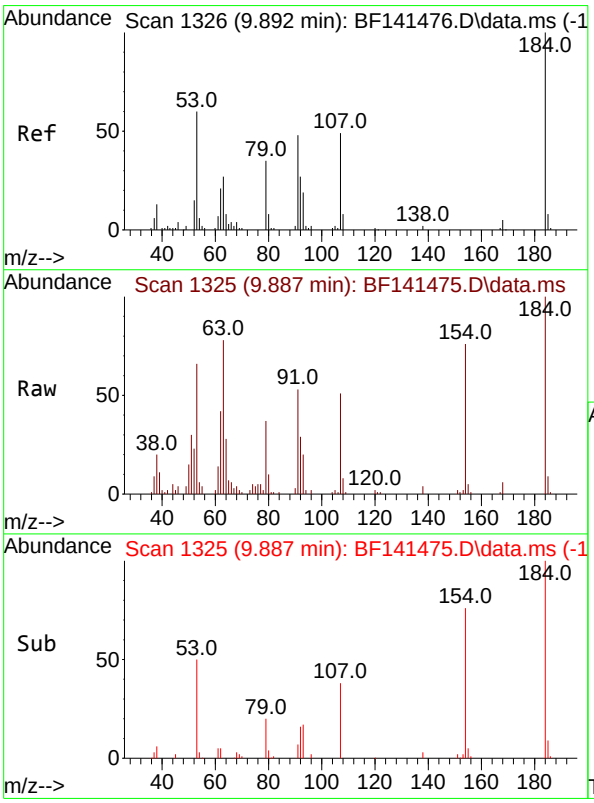
Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.4
92	112.5	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

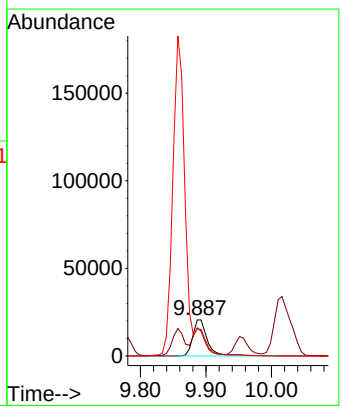


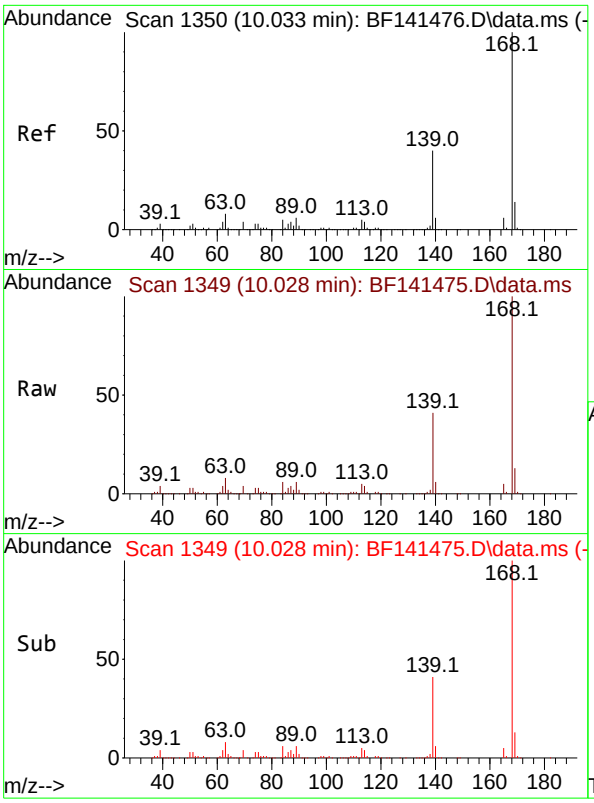


#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

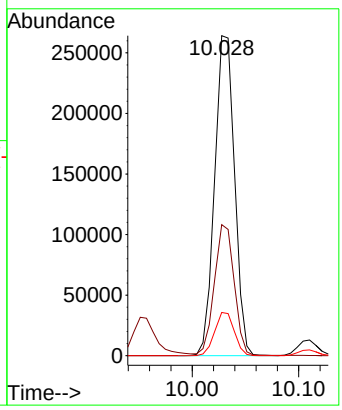




#55
Dibenzofuran
Concen: 21.087 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:168 Resp: 34262

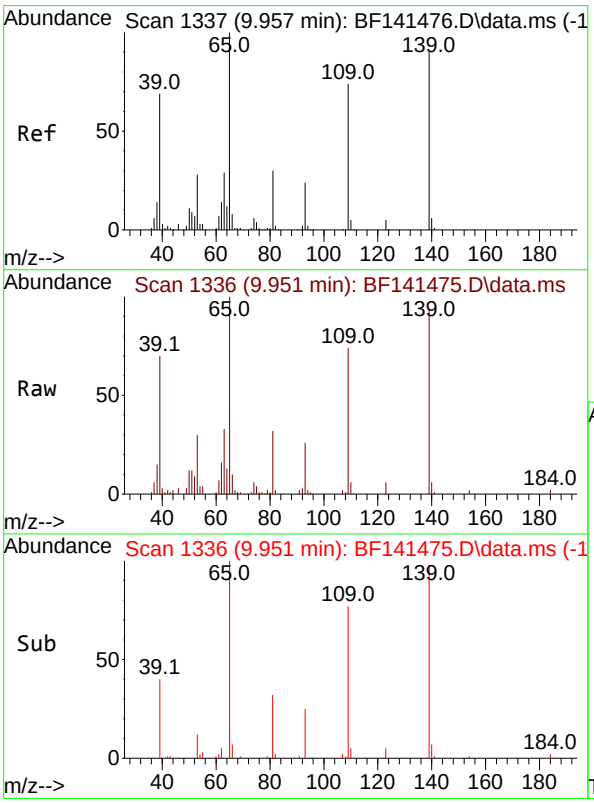
Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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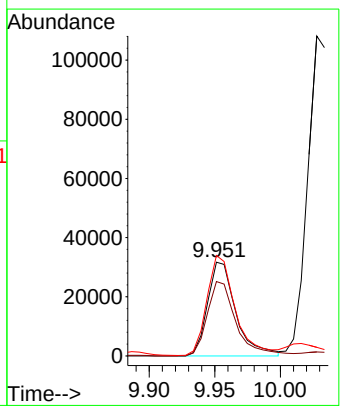
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

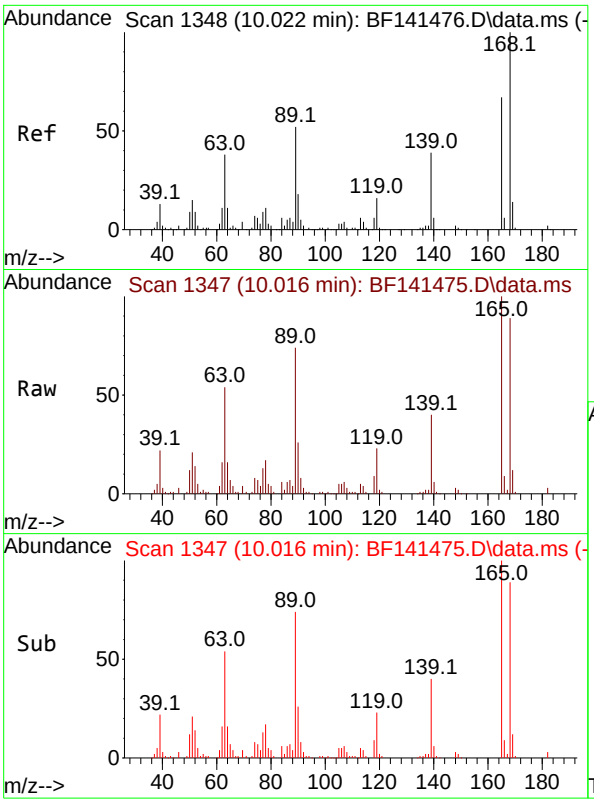


#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

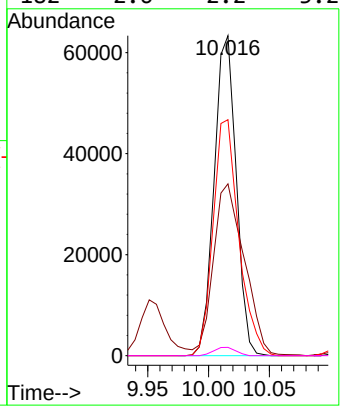




#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:165 Resp: 7986

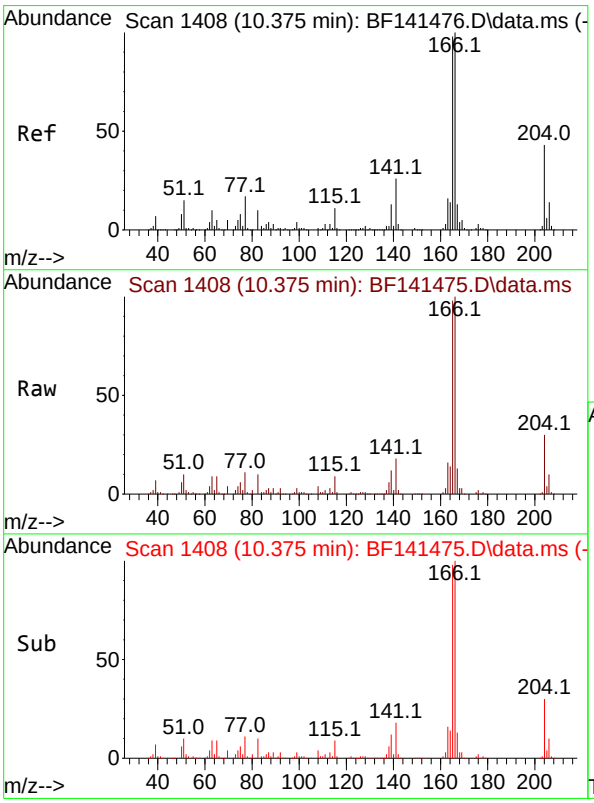
Ion	Ratio	Lower	Upper
165	100		
63	53.7	46.4	69.6
89	73.8	61.8	92.6
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

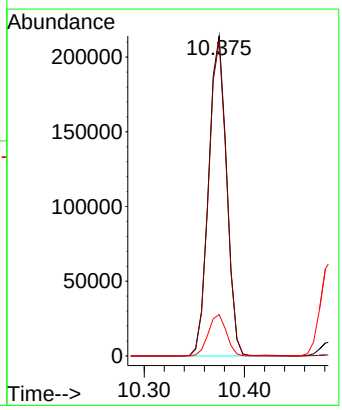
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

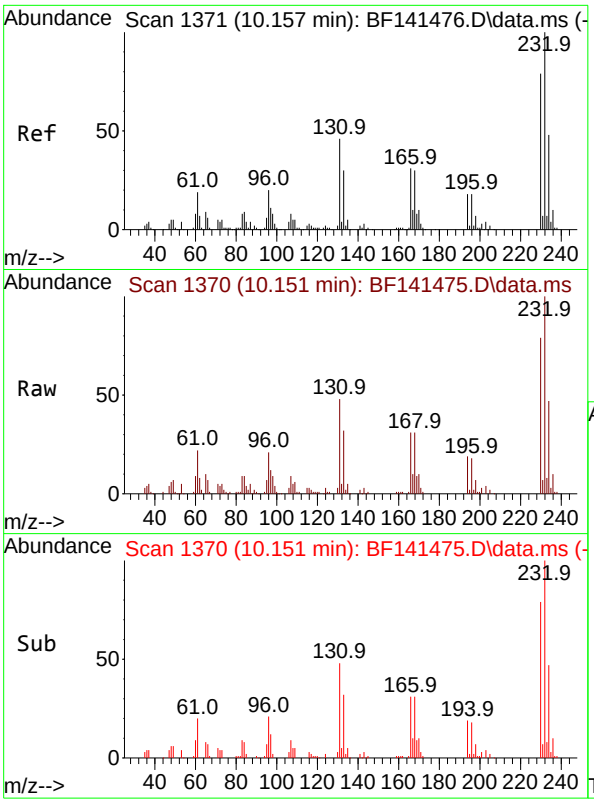


#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

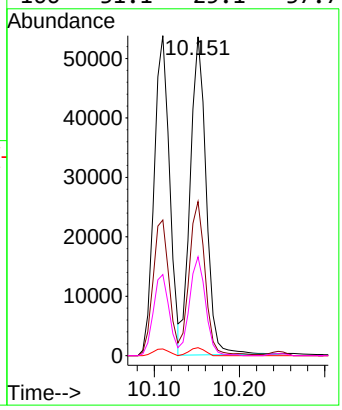




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:232 Resp: 6932

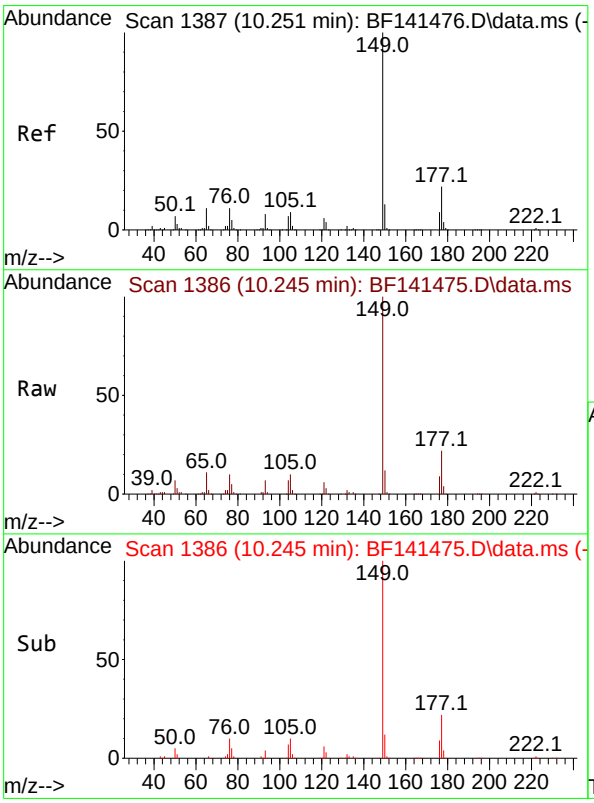
Ion	Ratio	Lower	Upper
232	100		
131	49.0	39.2	58.8
130	2.4	2.1	3.1
166	31.1	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

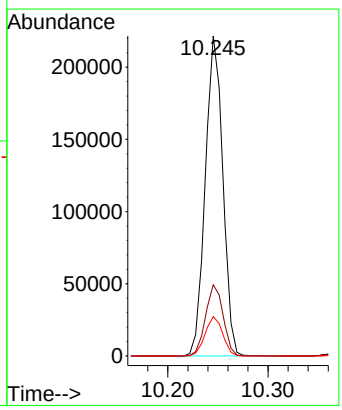
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

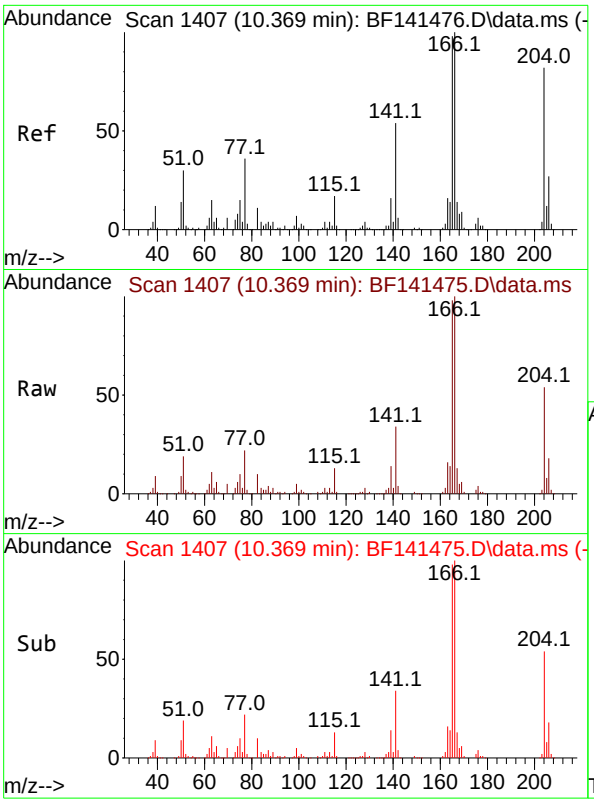


#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

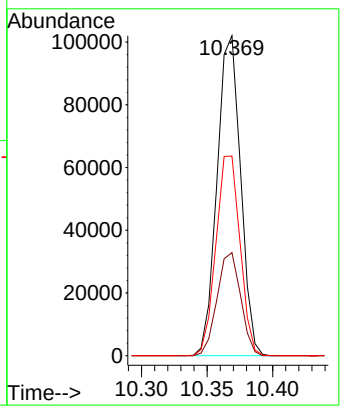




#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:204 Resp: 12721(

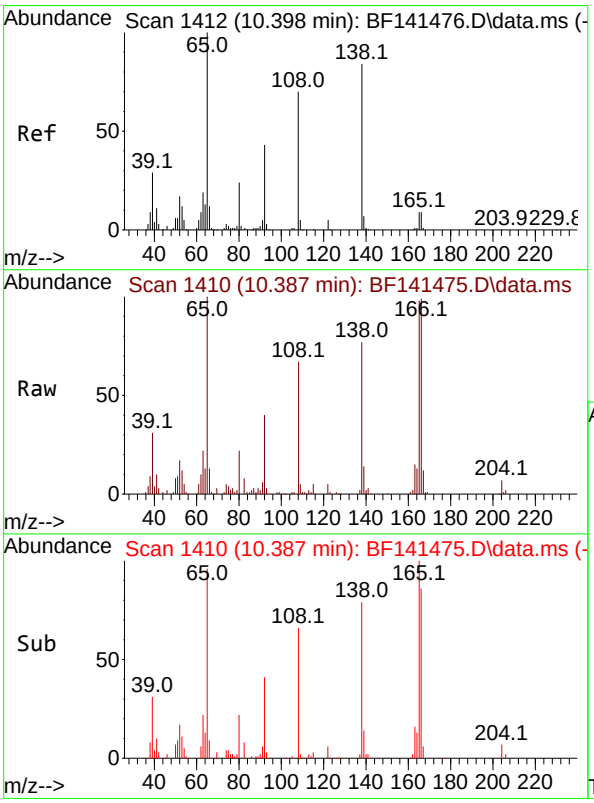
Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.6	40.0
141	62.4	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

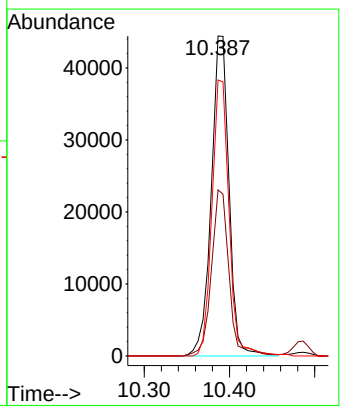
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

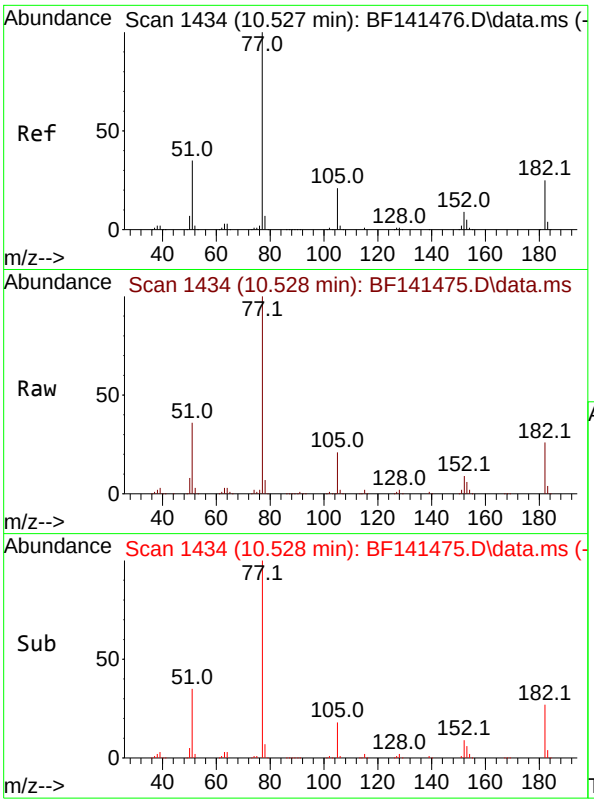


#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

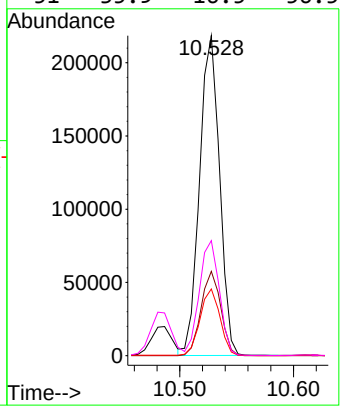




#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 26737

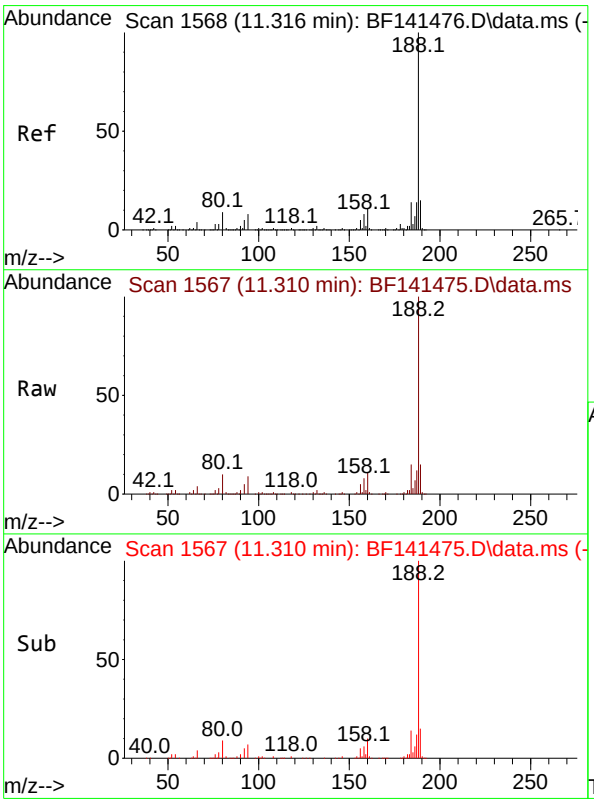
Ion	Ratio	Lower	Upper
77	100		
182	26.4	4.7	44.7
105	20.9	0.4	40.4
51	35.9	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

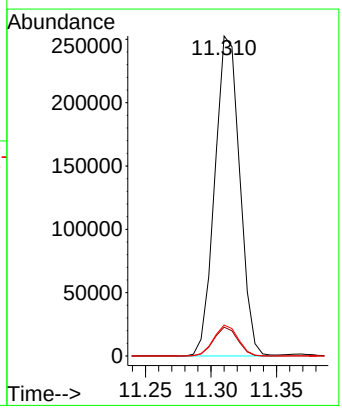
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

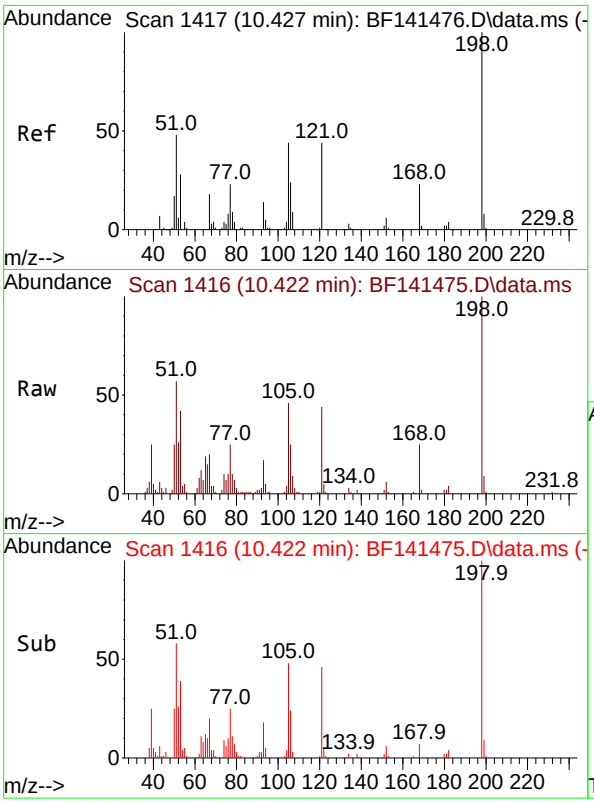


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

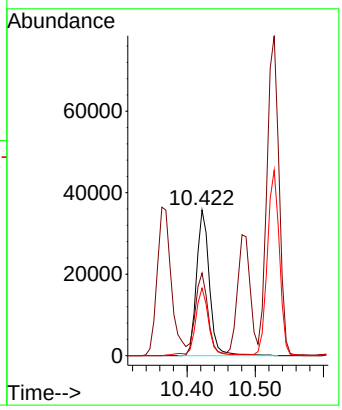
Tgt Ion:198 Resp: 4687

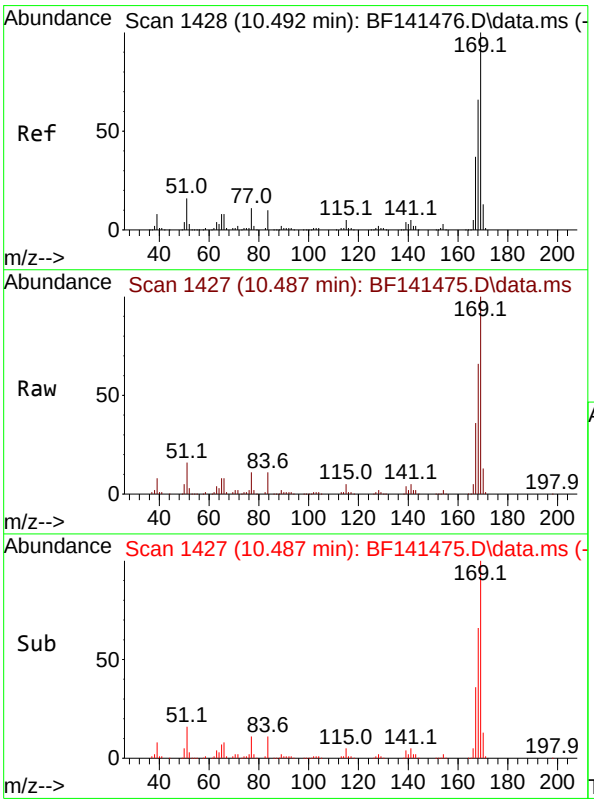
Ion	Ratio	Lower	Upper
198	100		
51	56.7	37.4	77.4
105	46.4	25.2	65.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

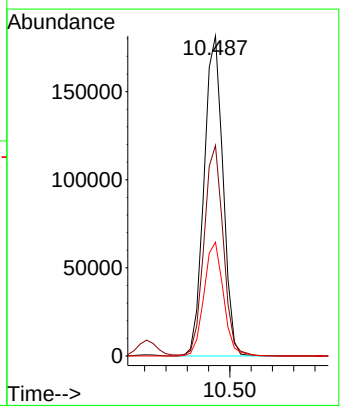


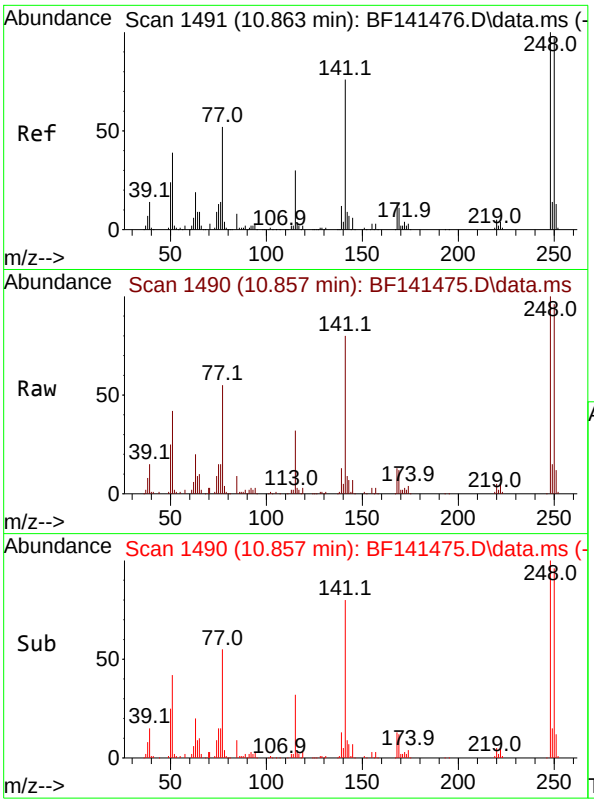


#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

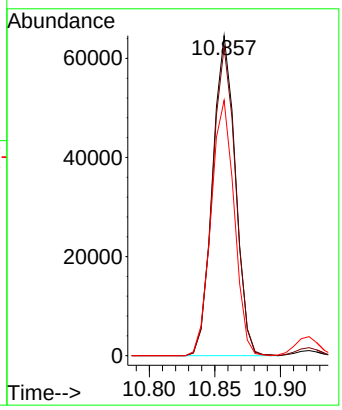




#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:248 Resp: 7816

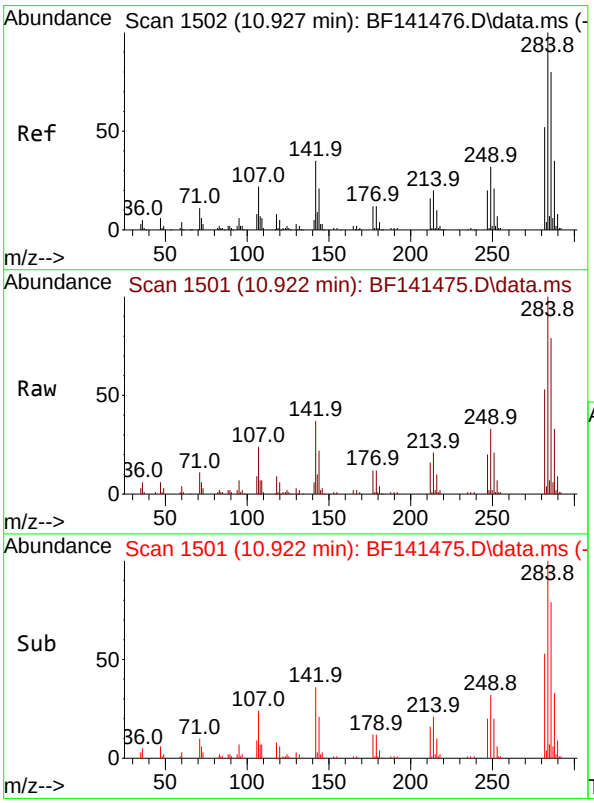
Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.8	116.6
141	79.8	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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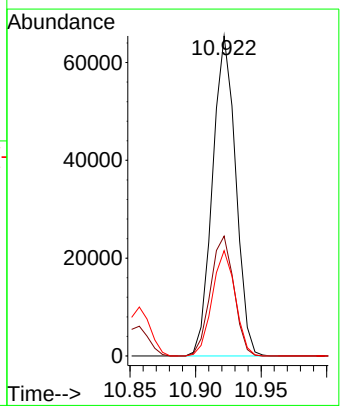
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

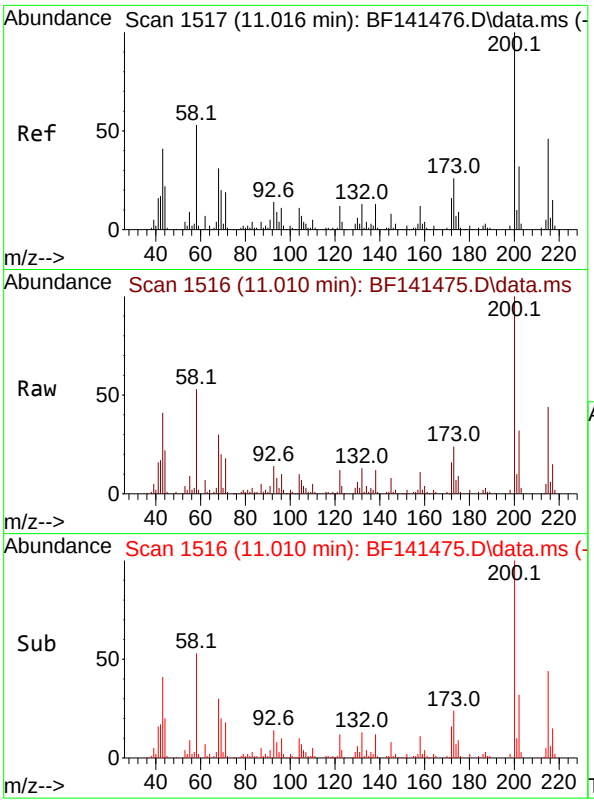


#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

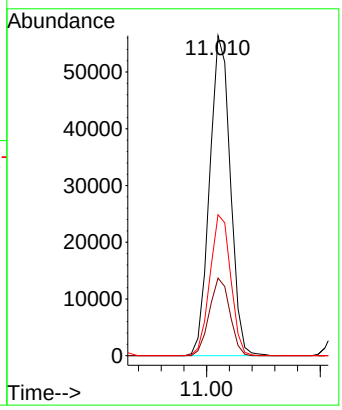




#69
Atrazine
Concen: 22.271 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:200 Resp: 7135

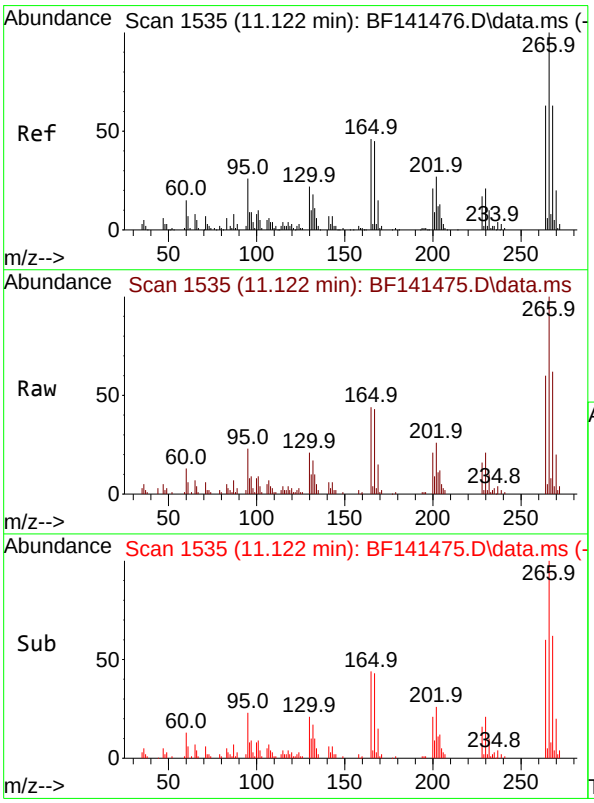
Ion	Ratio	Lower	Upper
200	100		
173	24.3	5.9	45.9
215	44.1	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

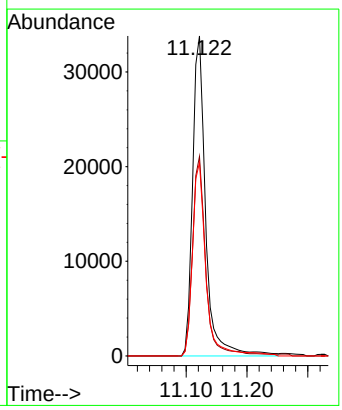
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

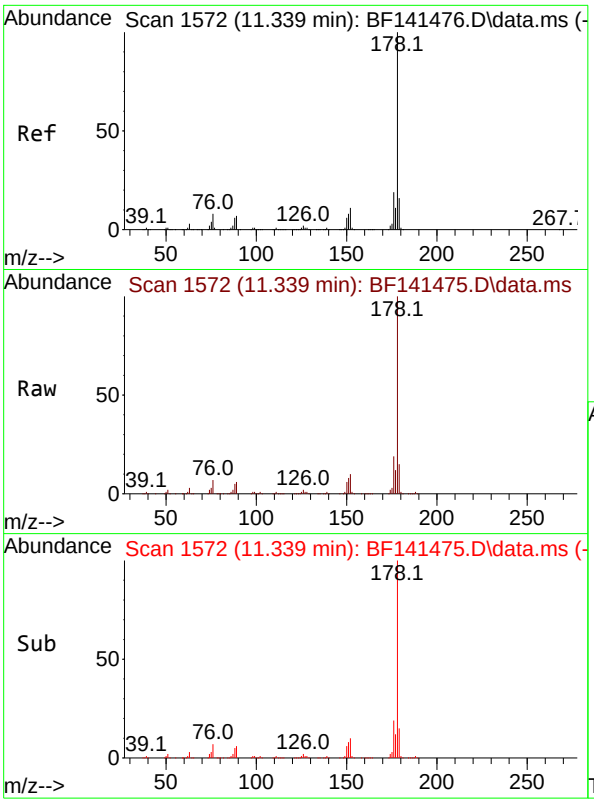


#70
Pentachlorophenol
Concen: 20.584 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

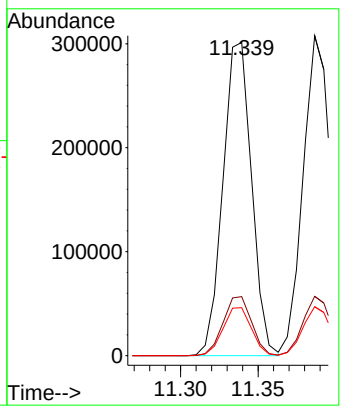




#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:178 Resp: 38725

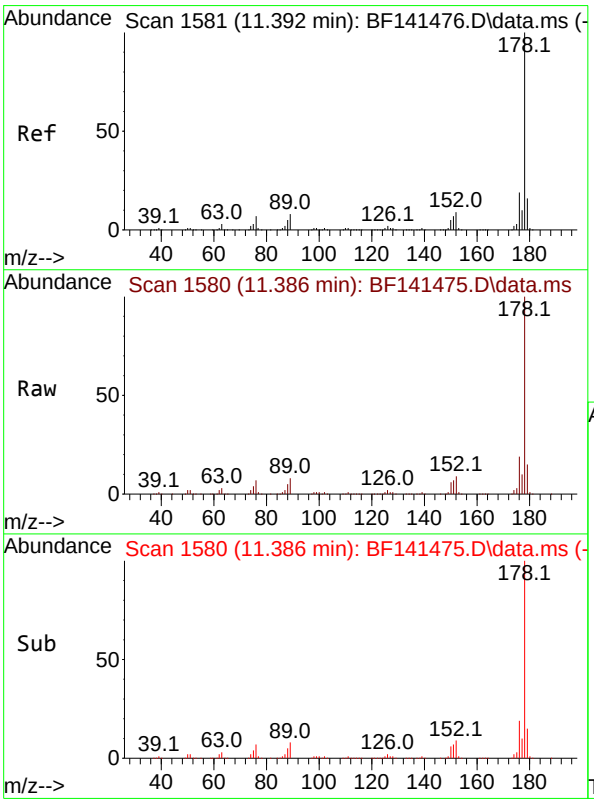
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

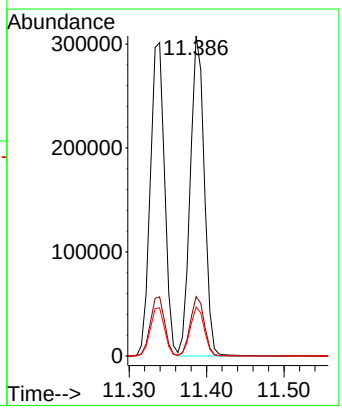
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

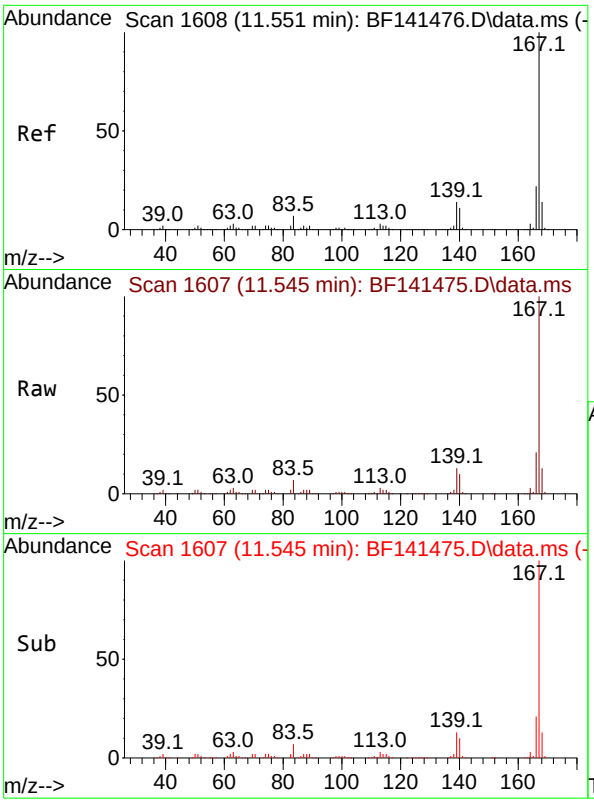


#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

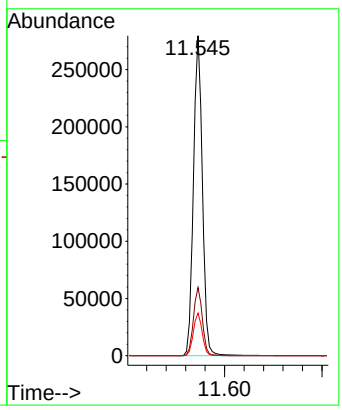




#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:167 Resp: 35898

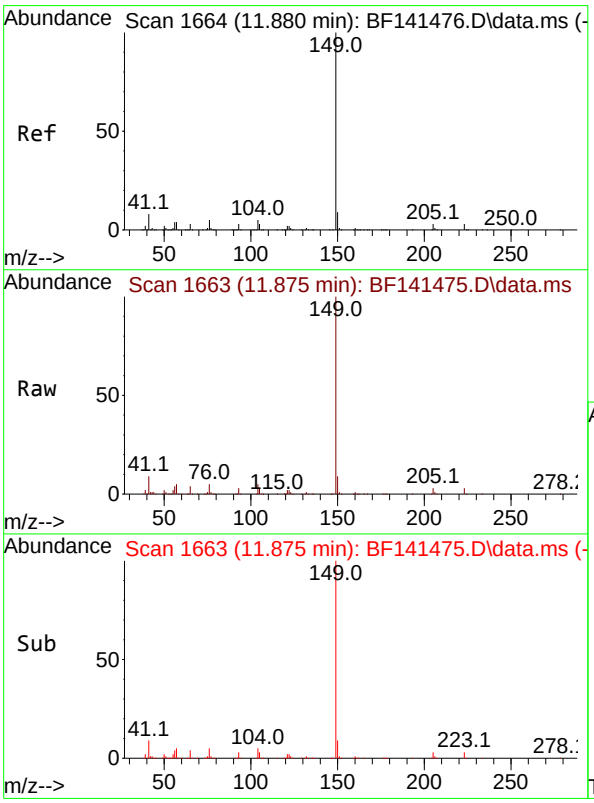
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.2
139	13.3	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

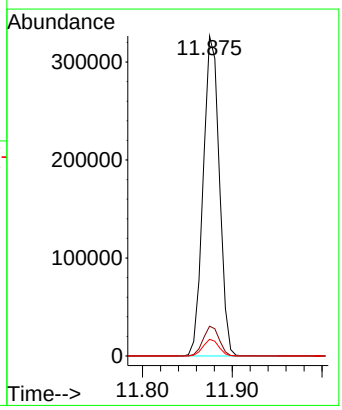
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

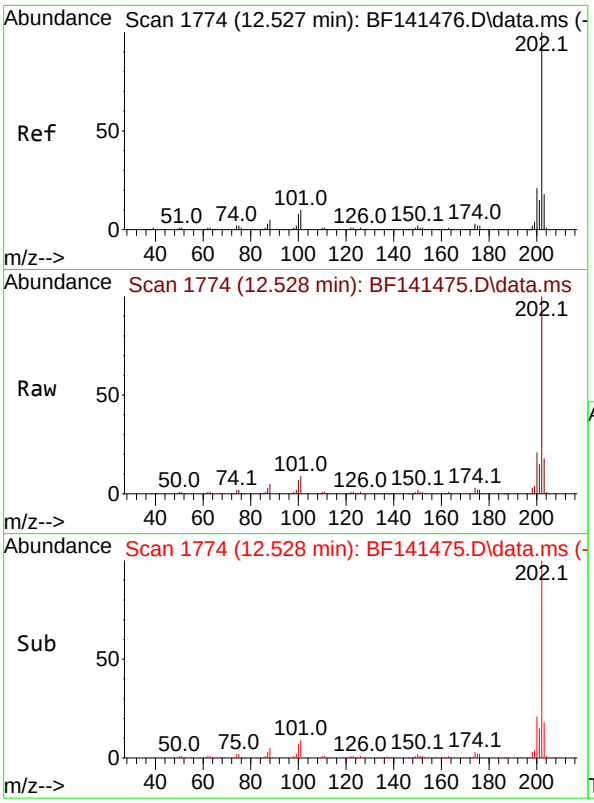


#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

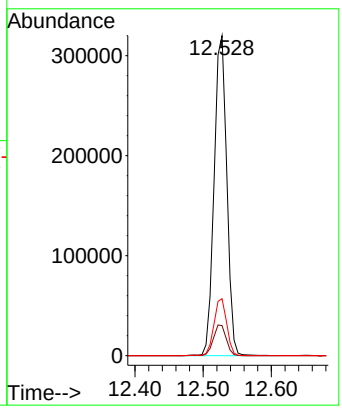




#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:202 Resp: 41471

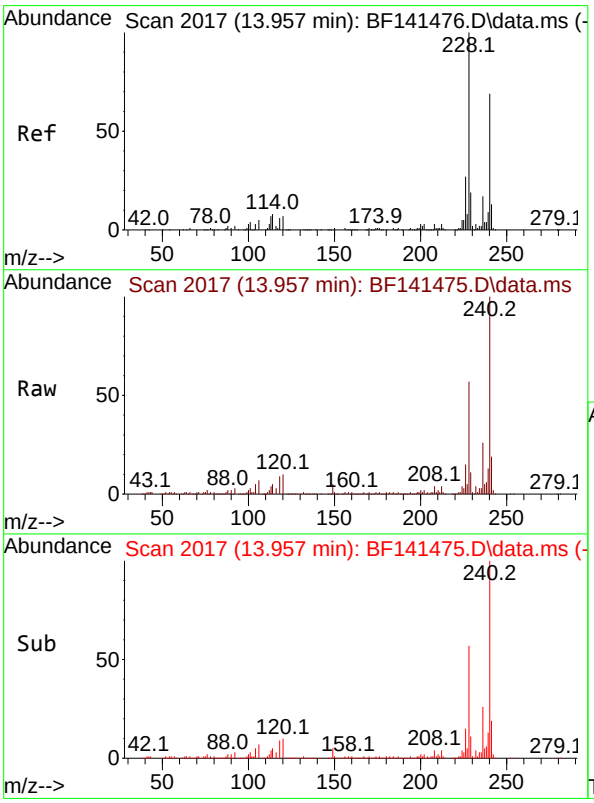
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.8	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

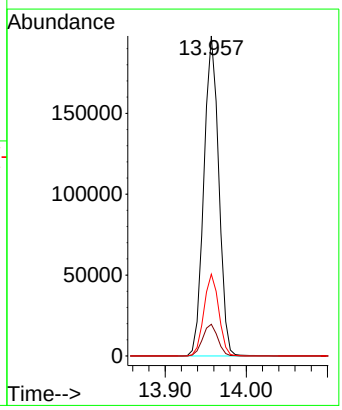
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

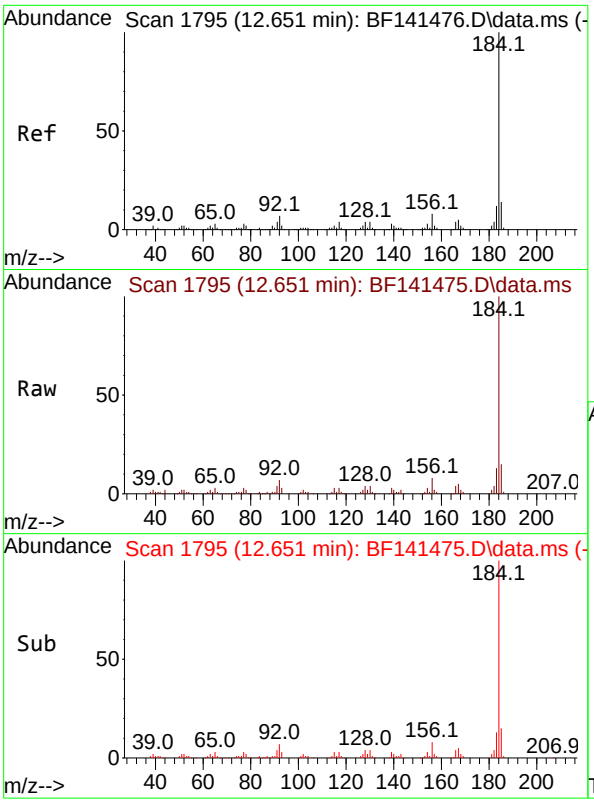


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

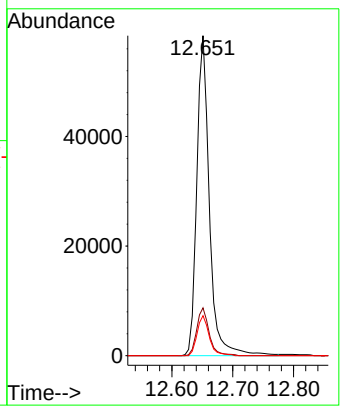




#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:184 Resp: 8401

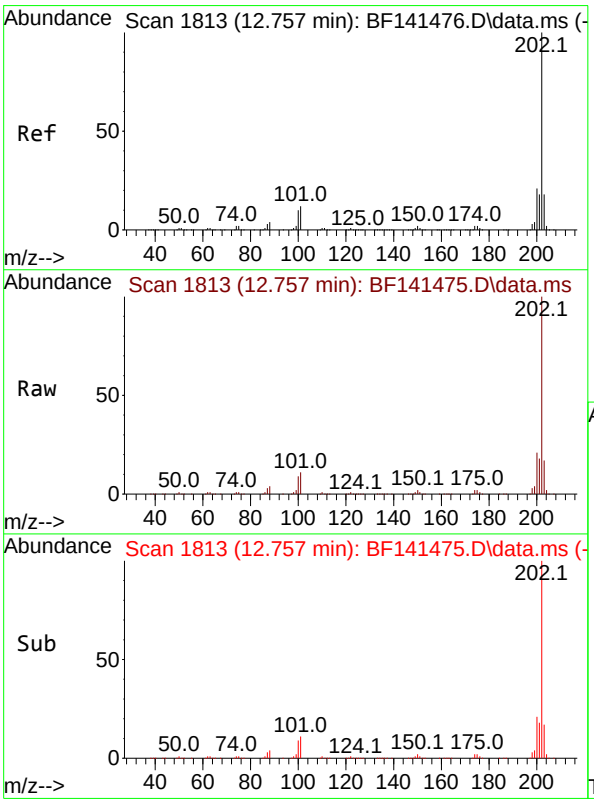
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	12.5	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

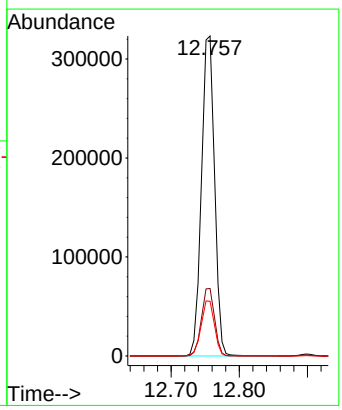
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

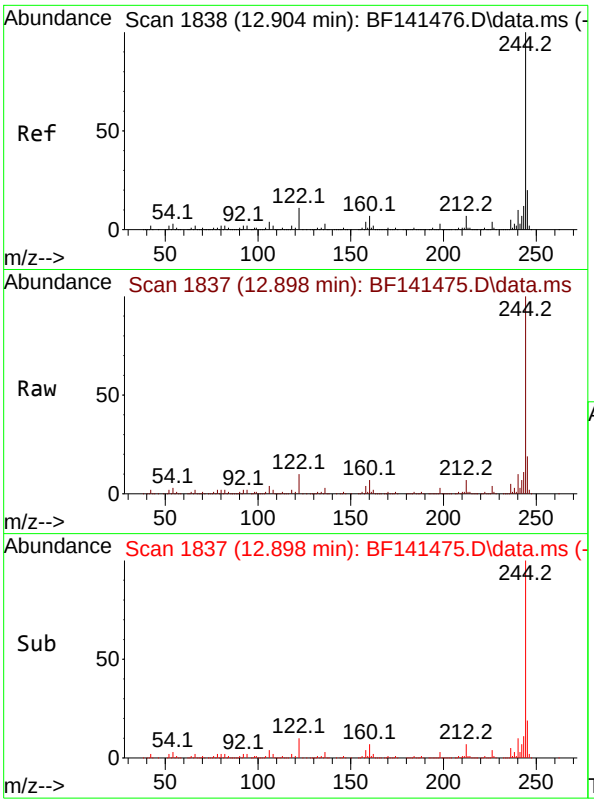


#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

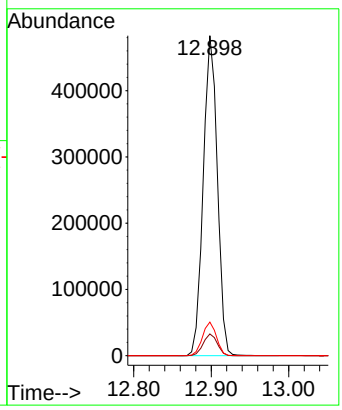




#79
Terphenyl-d14
Concen: 40.894 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:244 Resp: 60981

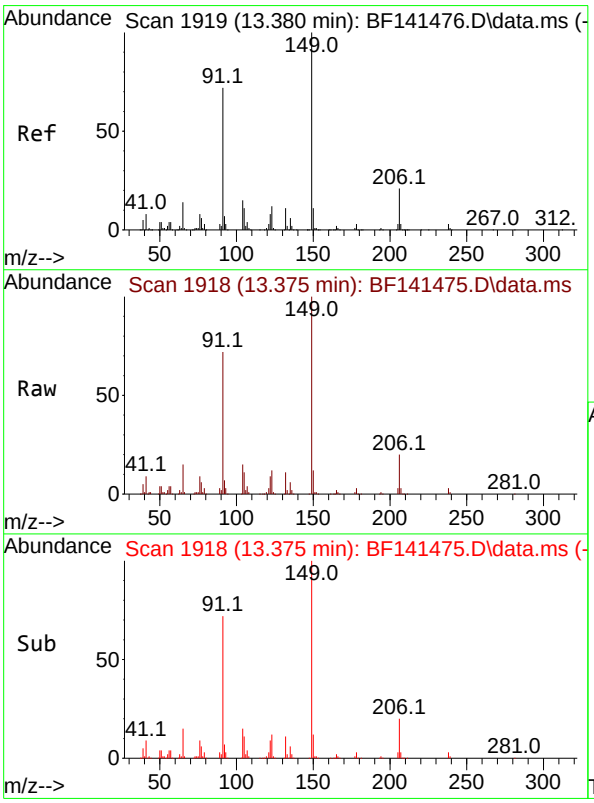
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

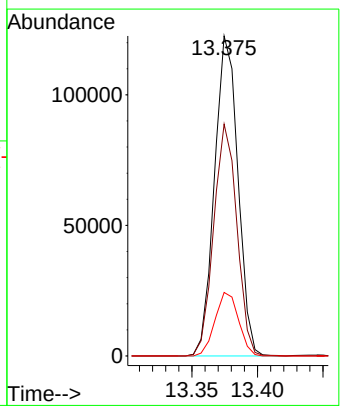
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

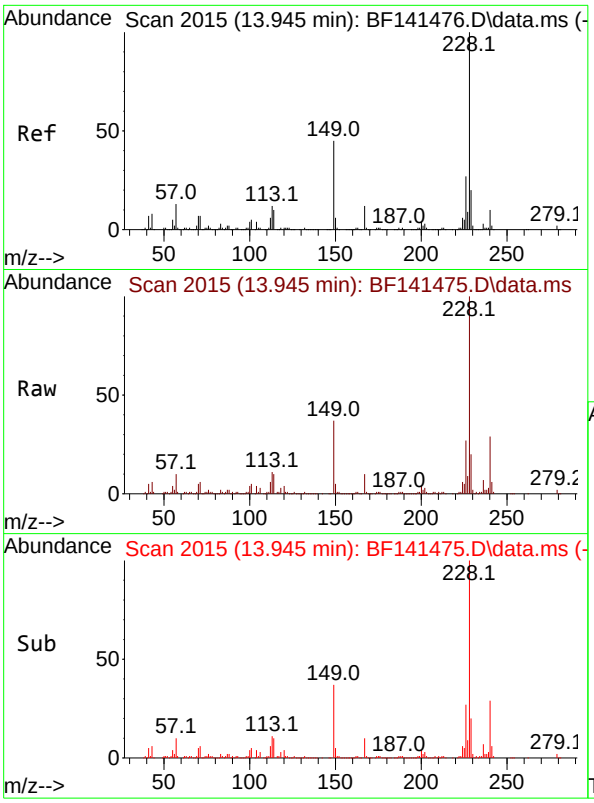


#80
Butylbenzylphthalate
Concen: 20.502 ng
RT: 13.375 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

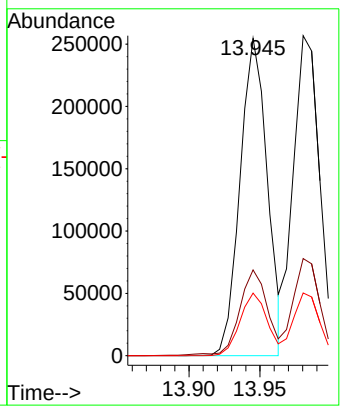




#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:228 Resp: 33987

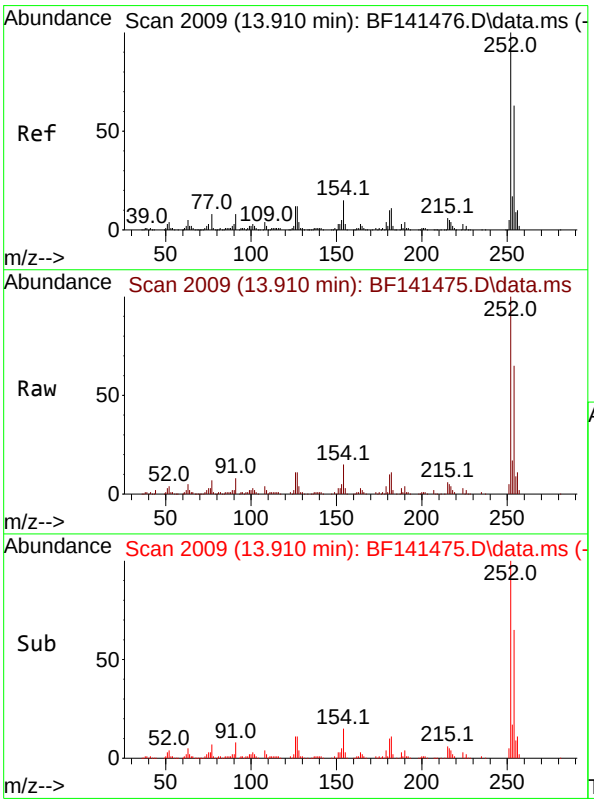
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

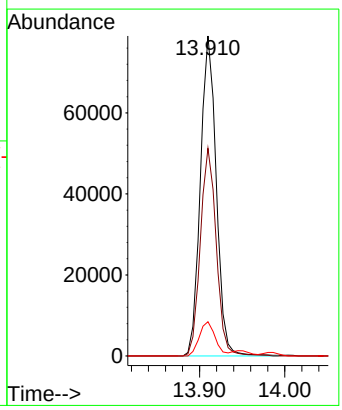
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

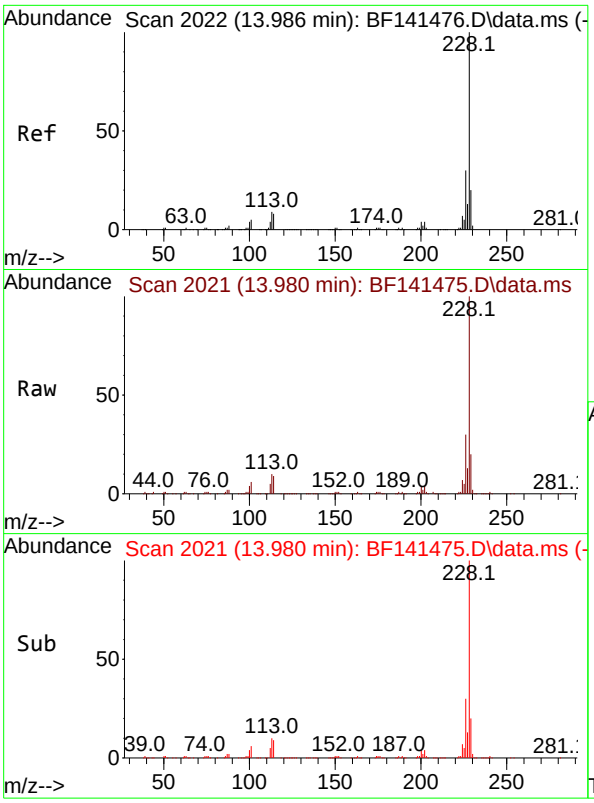


#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

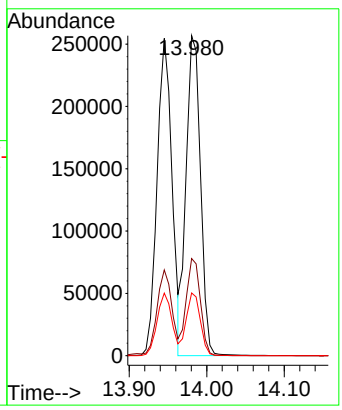
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

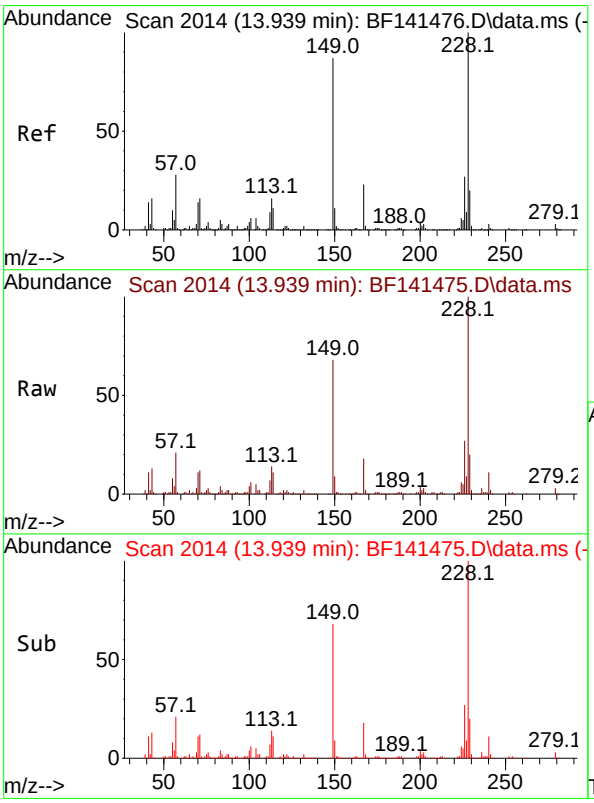
Tgt Ion:228 Resp: 33082

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.6	15.7	23.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

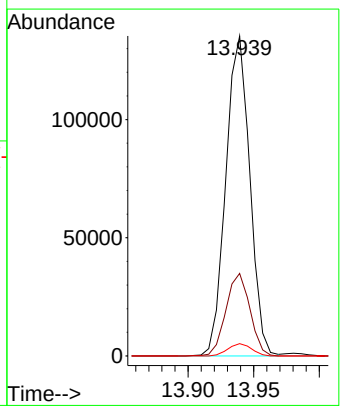


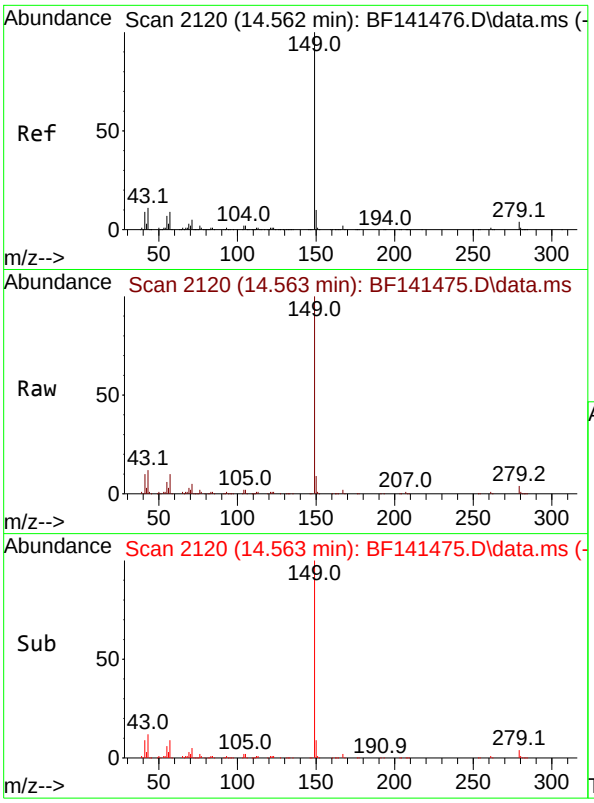


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.588 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

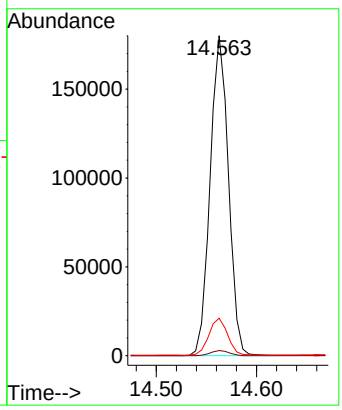




#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:149 Resp: 22906

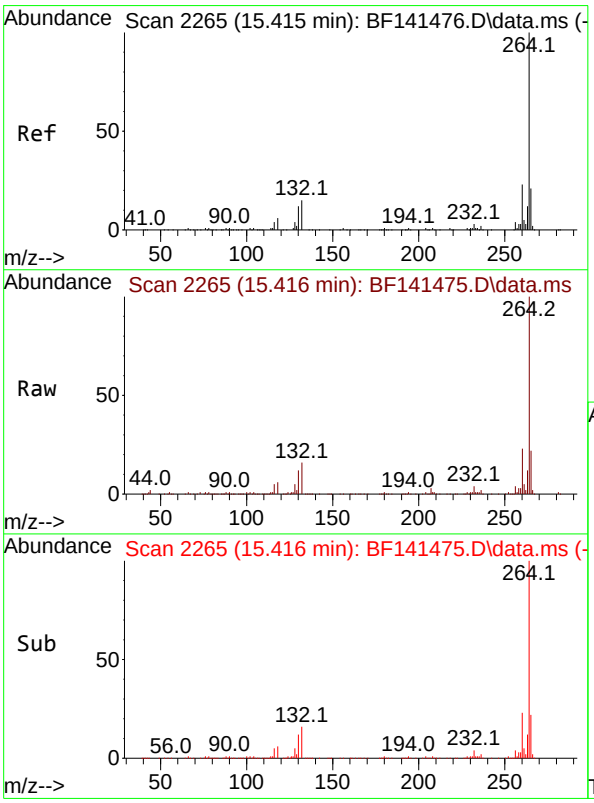
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

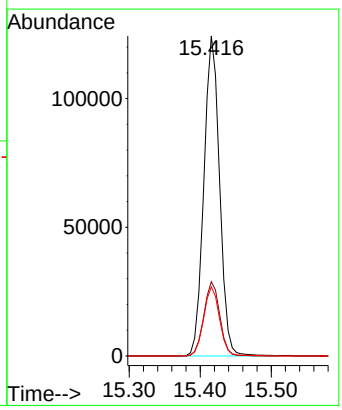
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

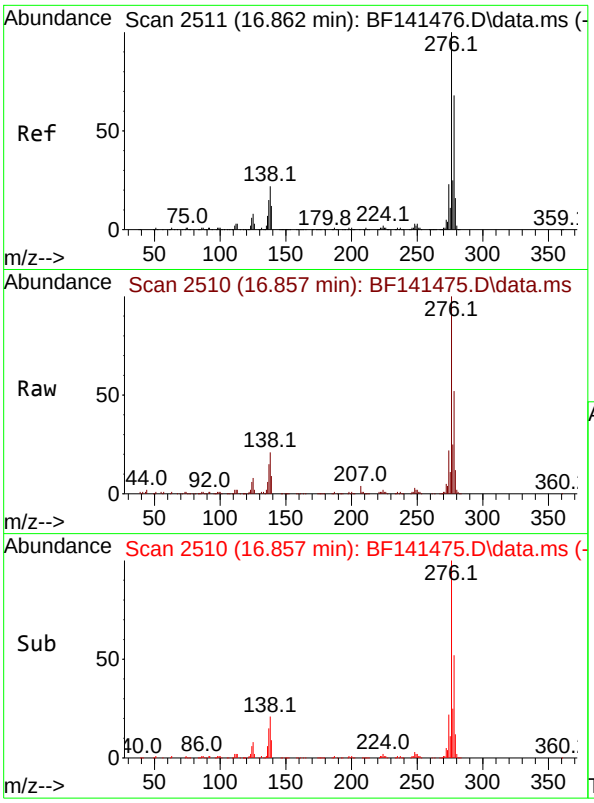


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

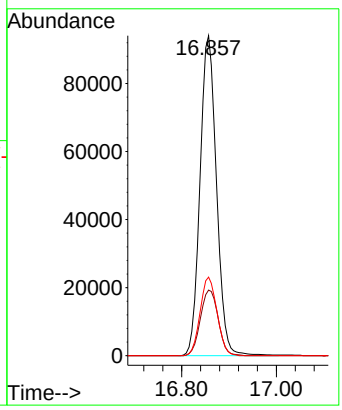




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.200 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 22710

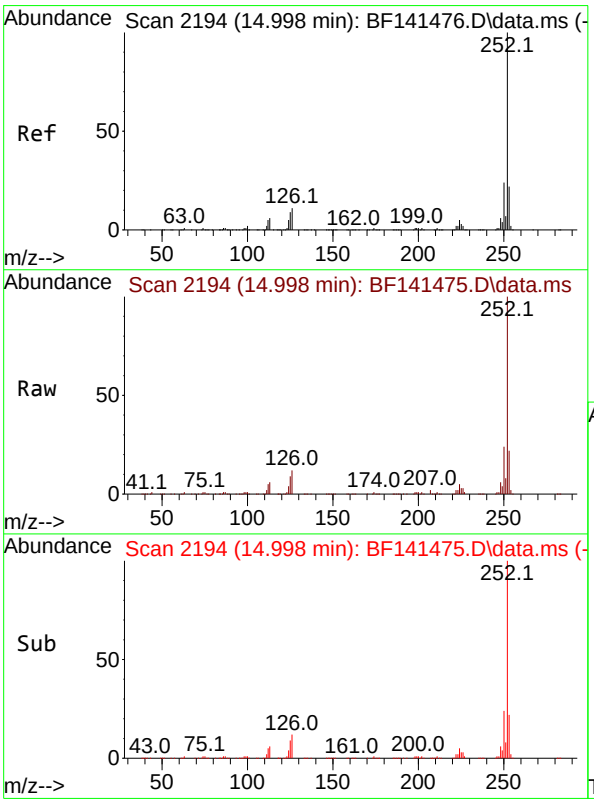
Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.0	27.0
277	25.1	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

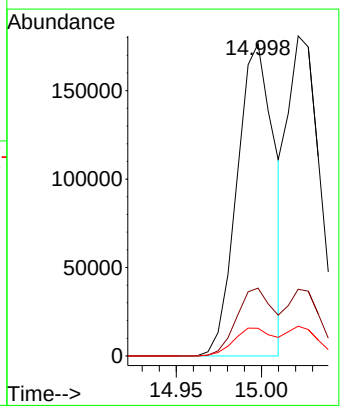
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

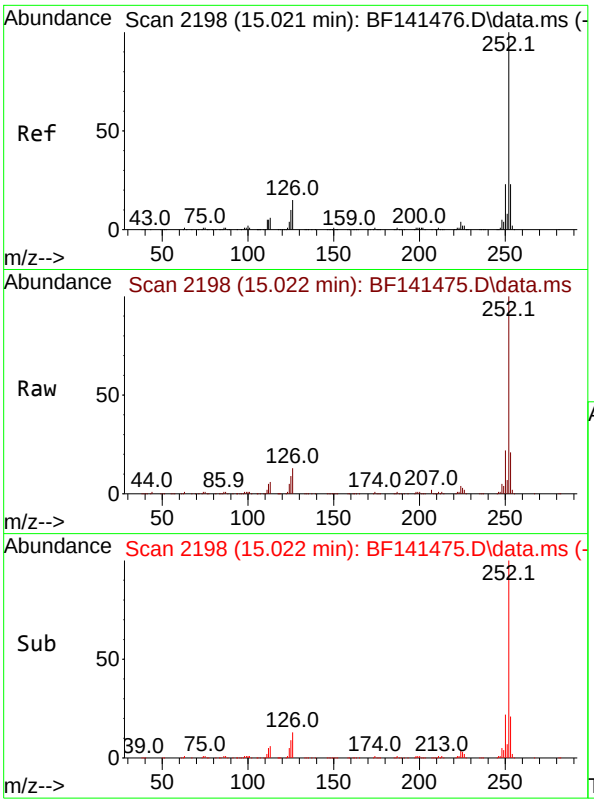


#88
Benzo(b)fluoranthene
Concen: 20.826 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

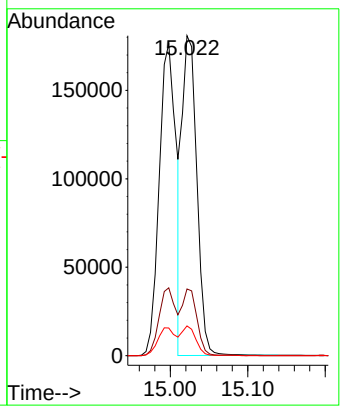




#89
Benzo(k)fluoranthene
Concen: 21.747 ng
RT: 15.022 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 23869

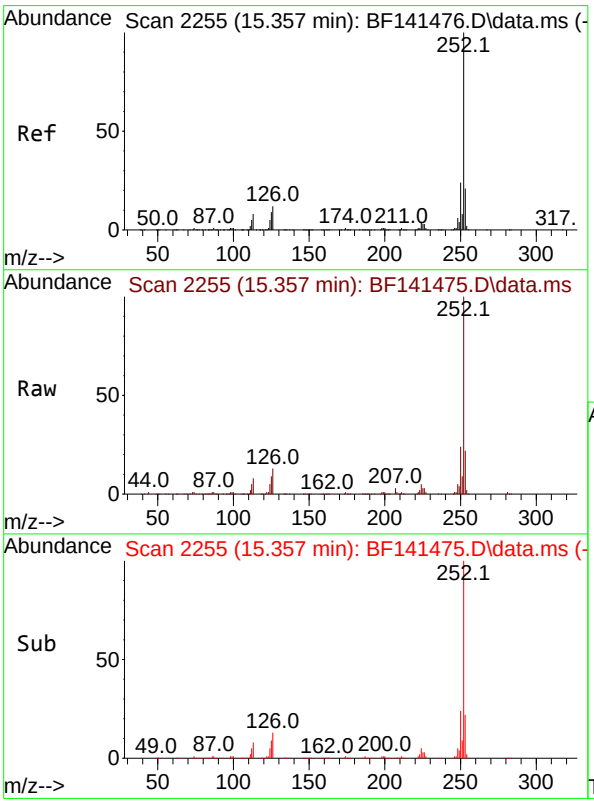
Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.0	27.0
125	9.3	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

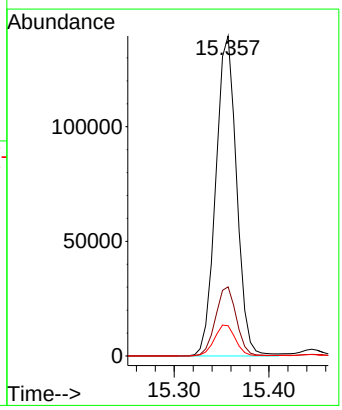
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

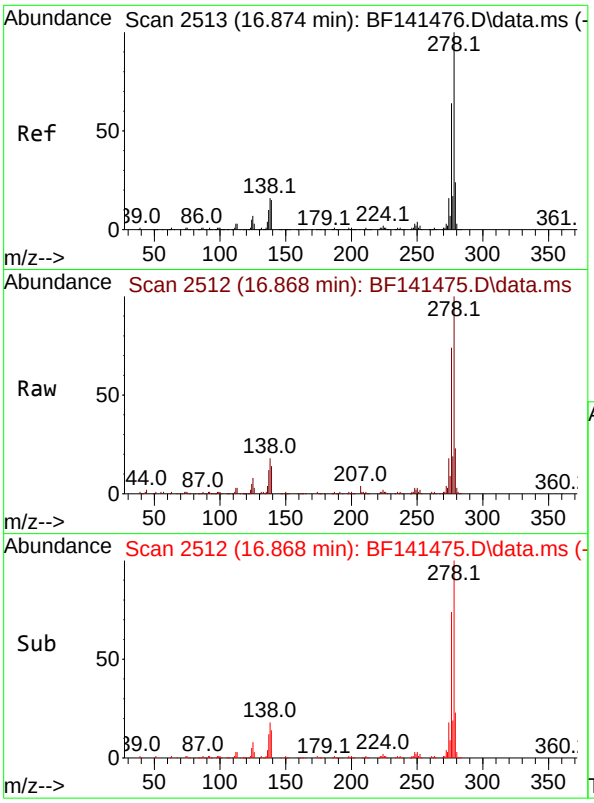


#90
Benzo(a)pyrene
Concen: 20.528 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

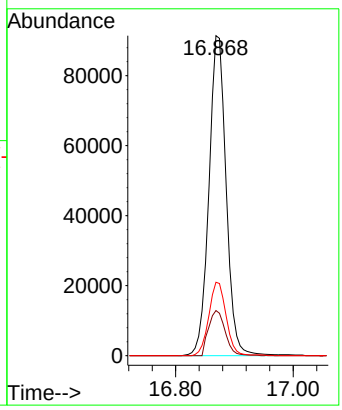




#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:278 Resp: 18574

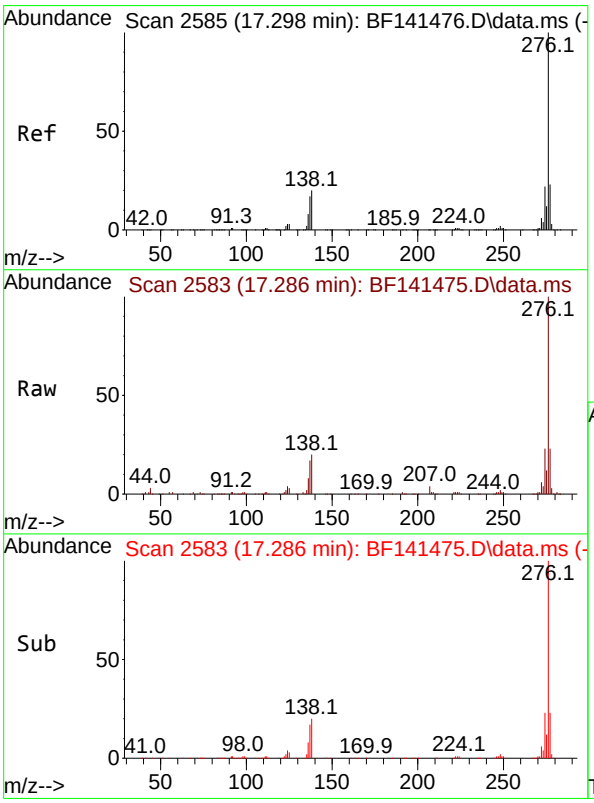
Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.8	17.6
279	23.0	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

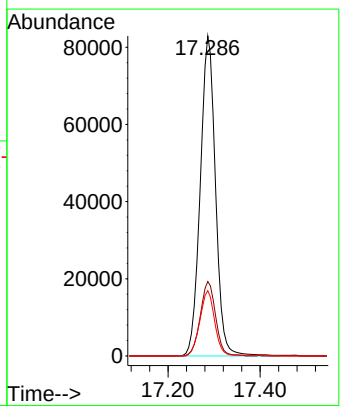
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#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

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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

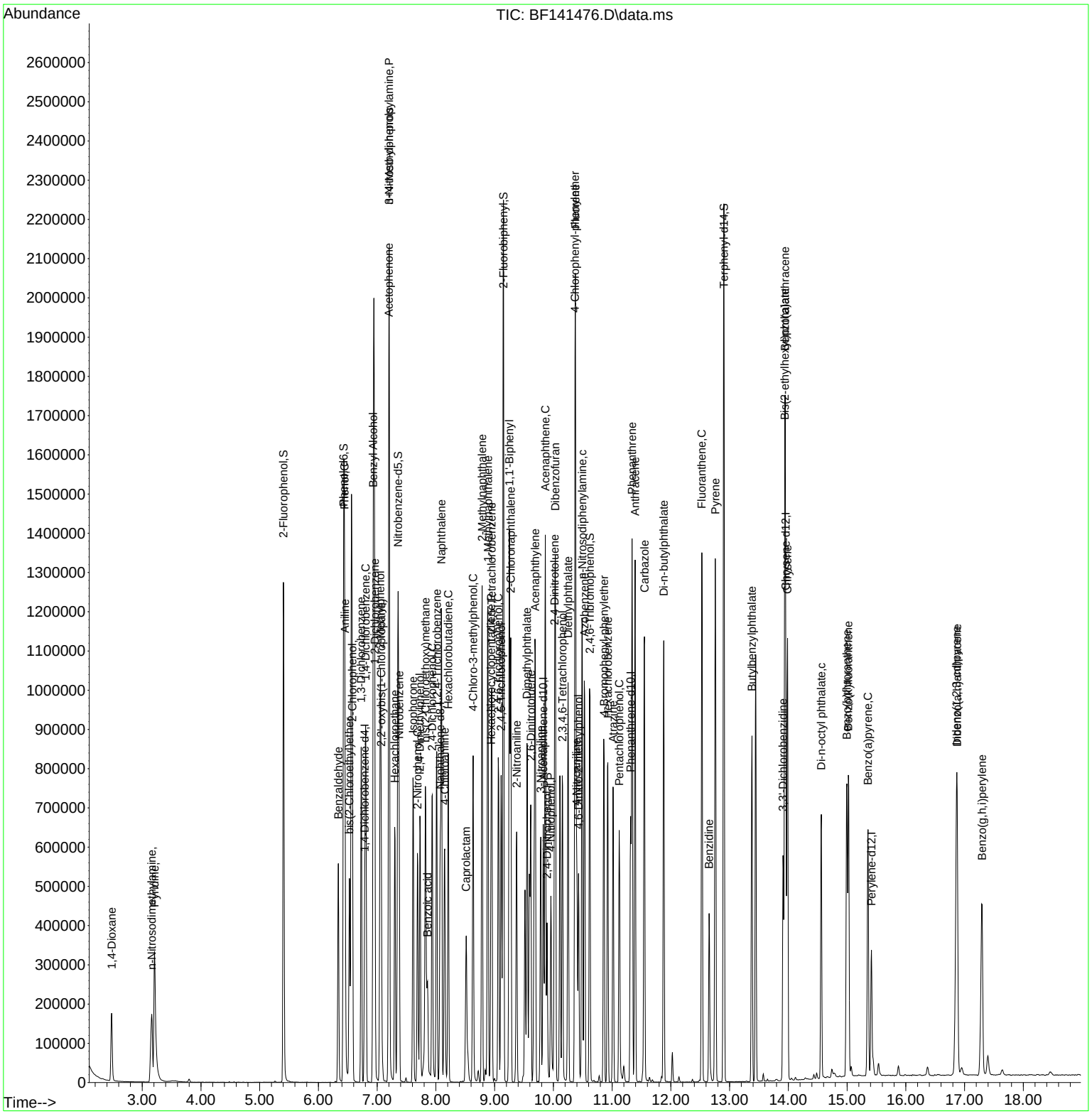
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158685	40.492	ng	100
46) 1,1'-Biphenyl	9.251	154	597404	39.846	ng	100
47) 2-Chloronaphthalene	9.275	162	438926	39.590	ng	100
48) 2-Nitroaniline	9.375	65	150922	40.563	ng	100
49) Acenaphthylene	9.692	152	656124	39.789	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

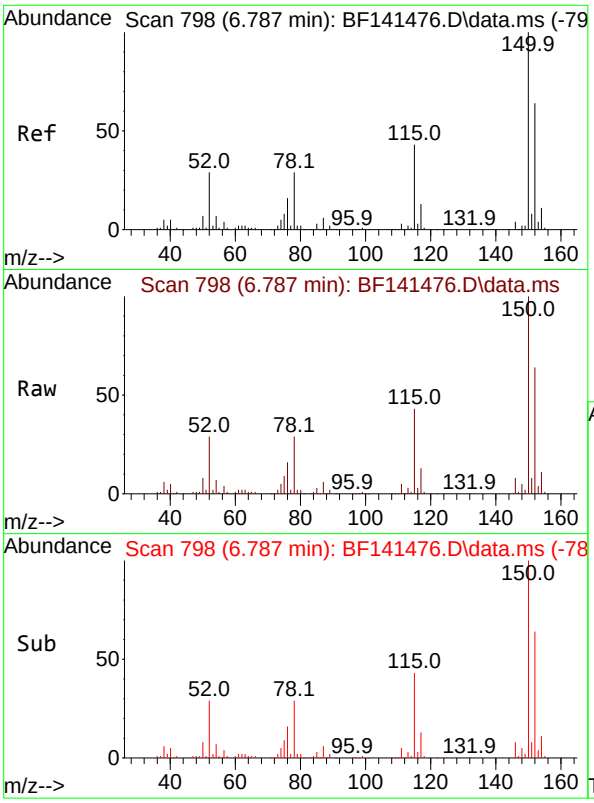
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141476.D
Acq On : 06 Feb 2025 12:55
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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



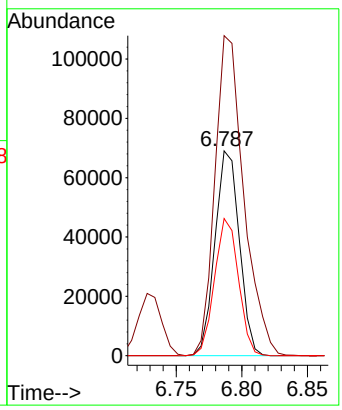


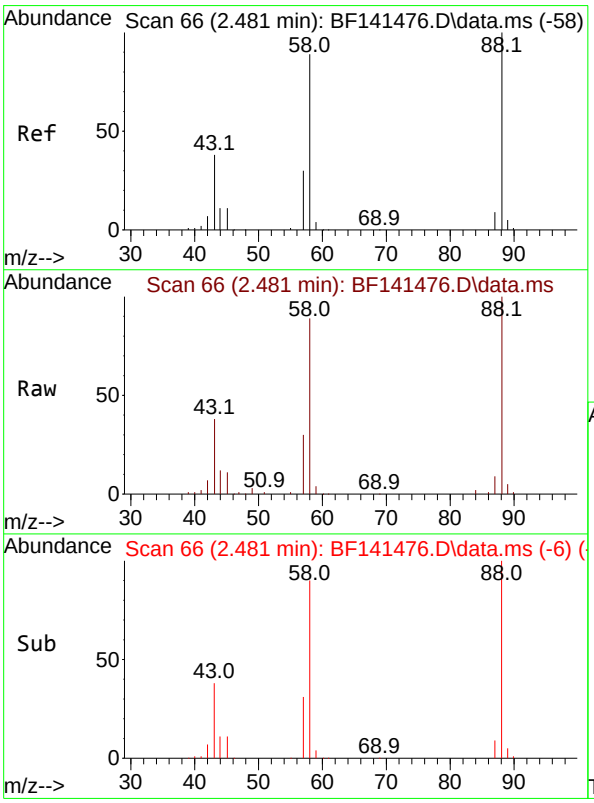
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

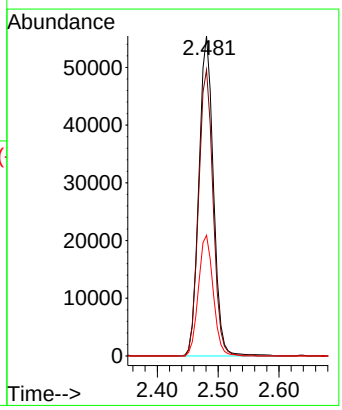


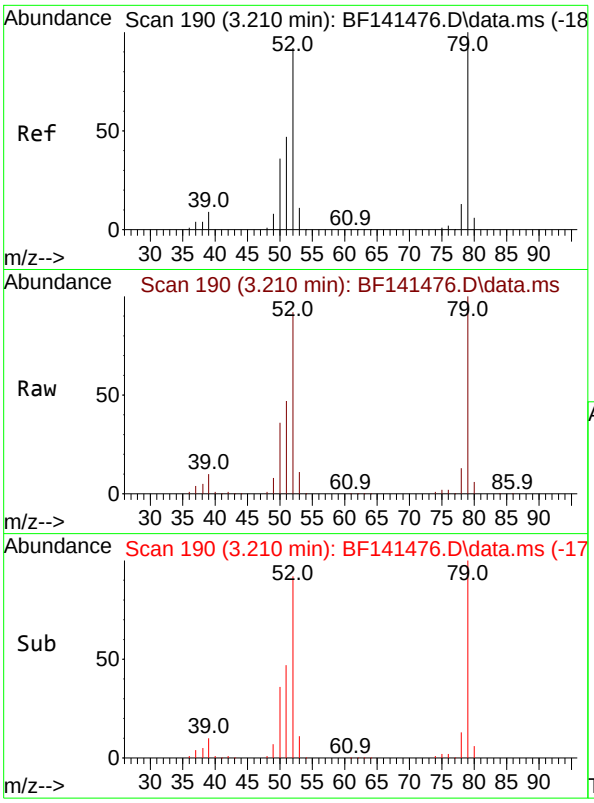


#2
1,4-Dioxane
Concen: 40.262 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



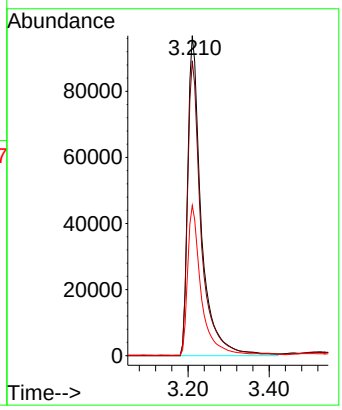


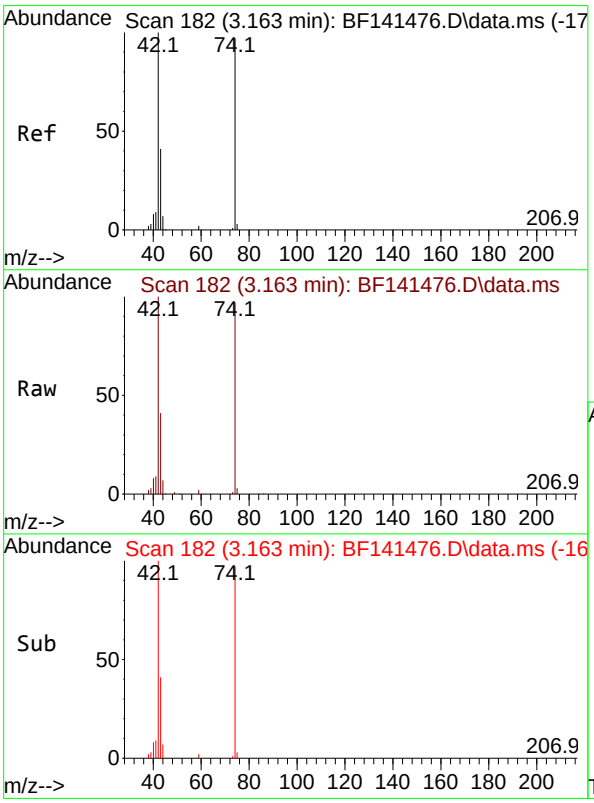
#3
Pyridine
Concen: 41.344 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

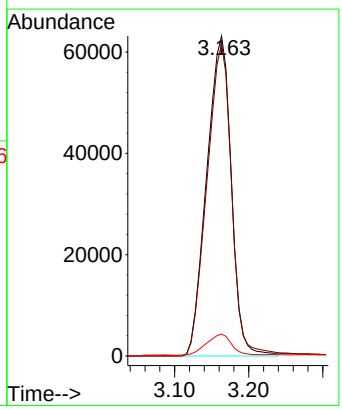


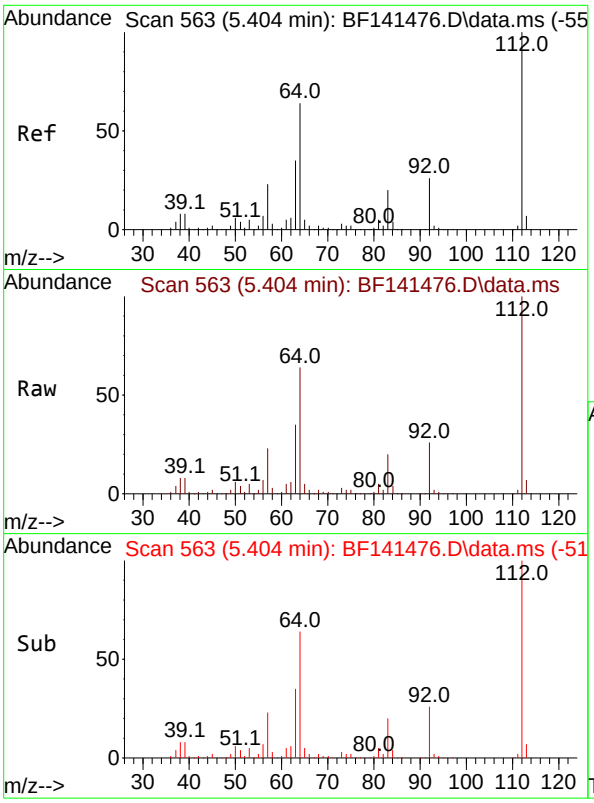


#4
n-Nitrosodimethylamine
Concen: 40.456 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.023 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



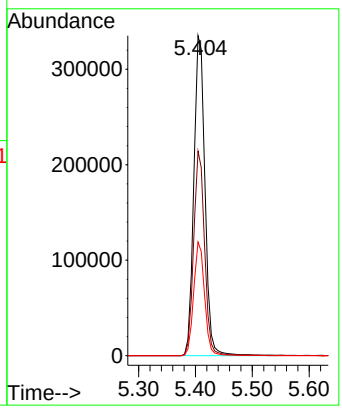


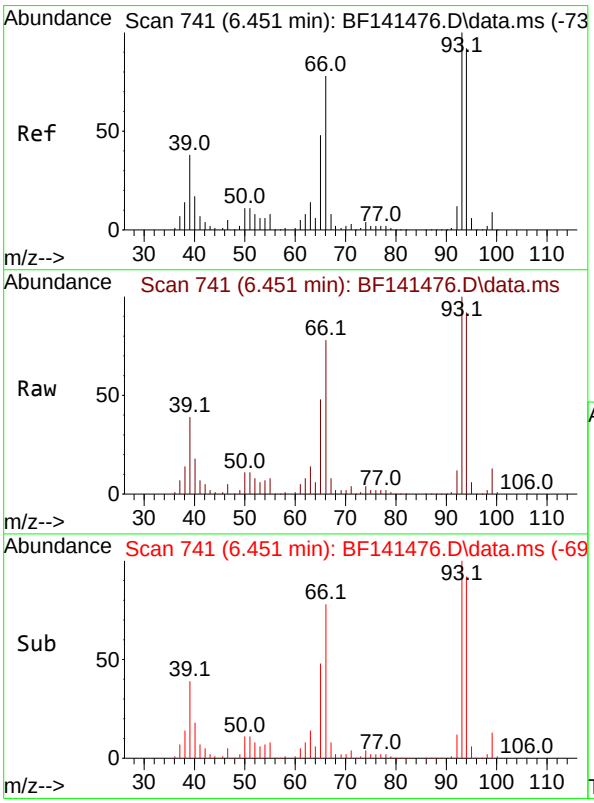
#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

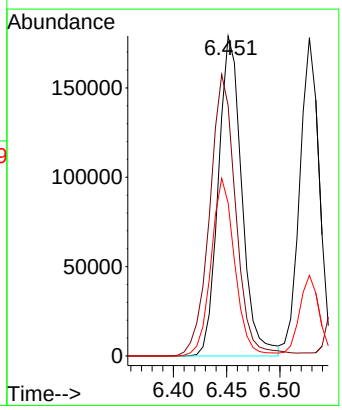


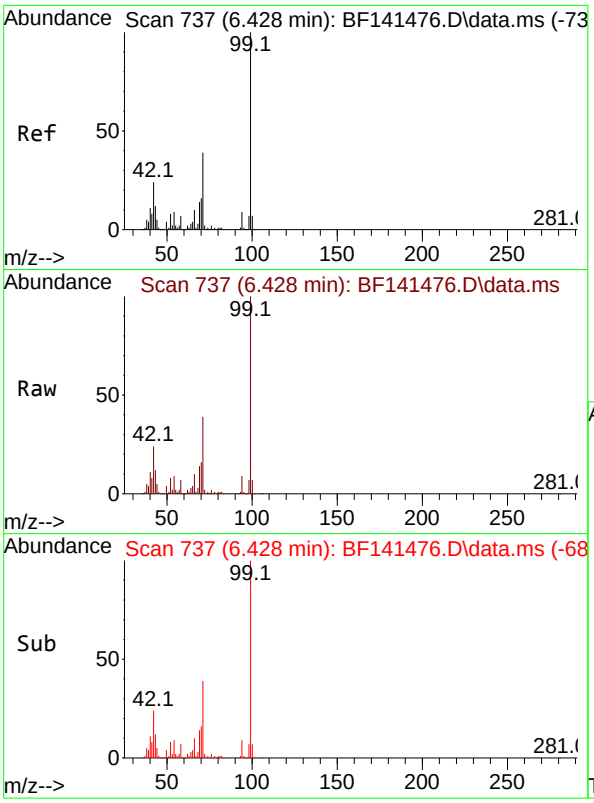


#6
Aniline
Concen: 40.681 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



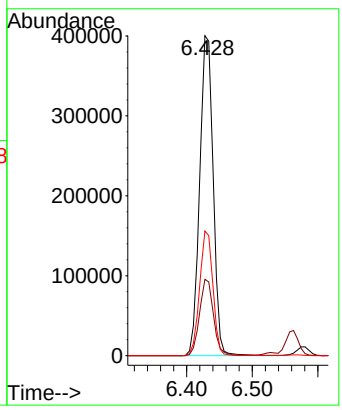


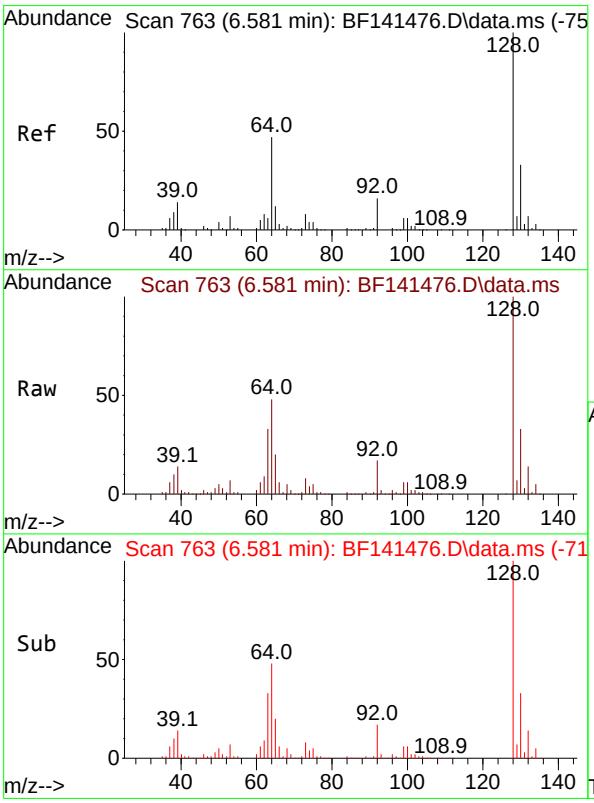
#7
Phenol-d6
Concen: 80.025 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

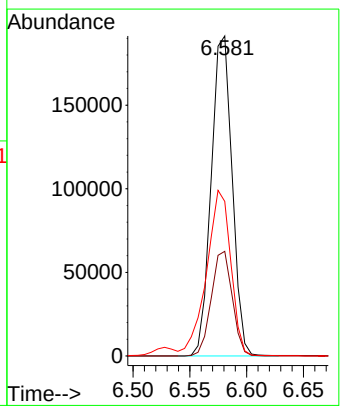


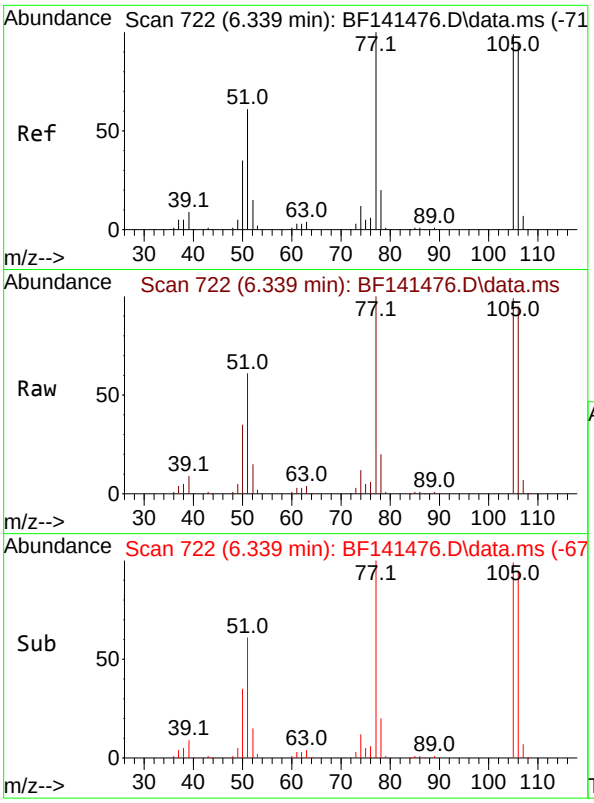


#8
2-Chlorophenol
Concen: 40.008 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



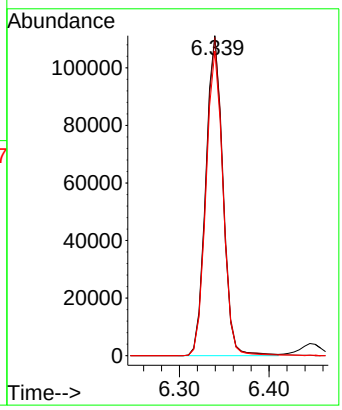


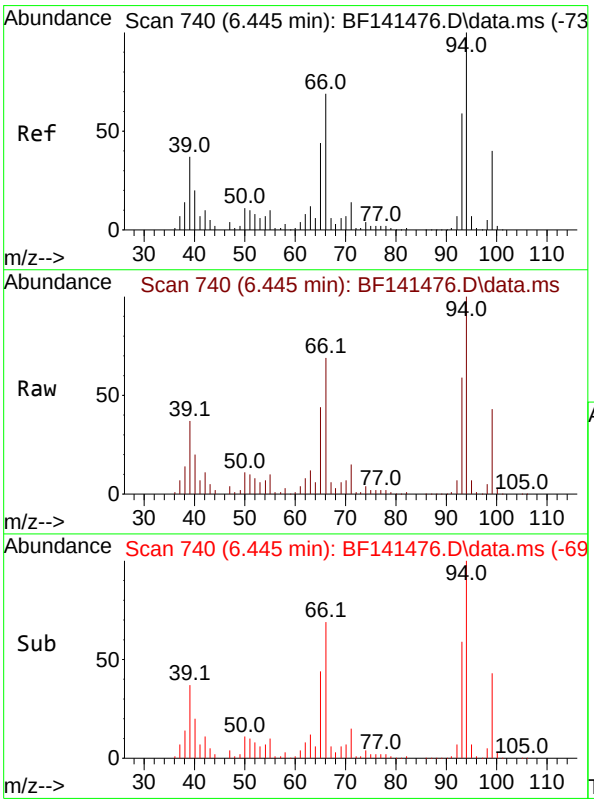
#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

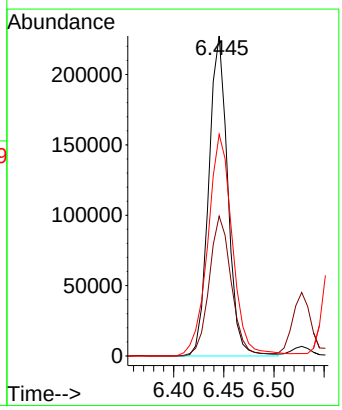


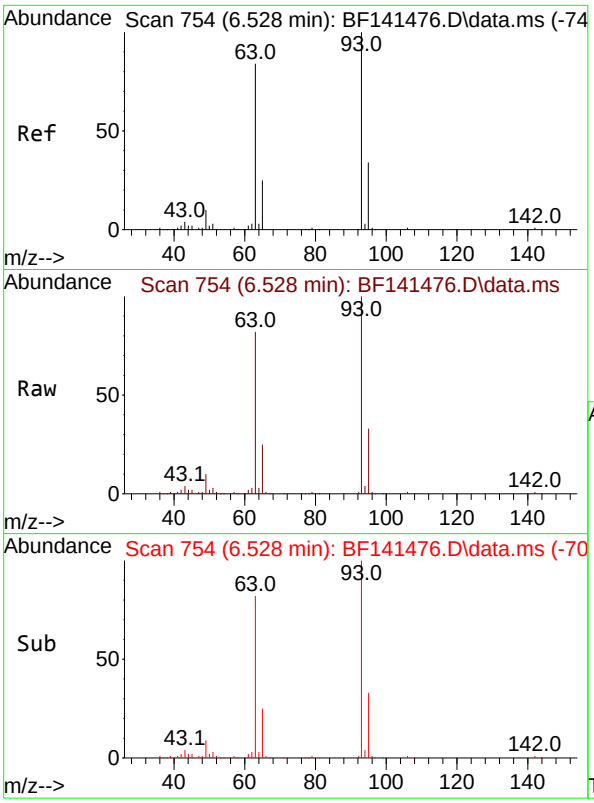


#10
Phenol
Concen: 40.171 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



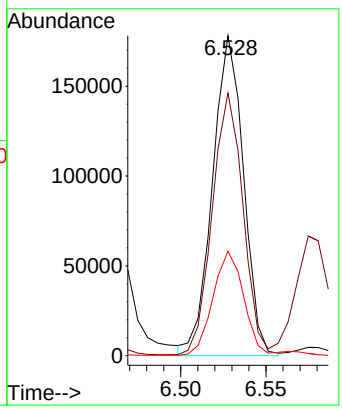


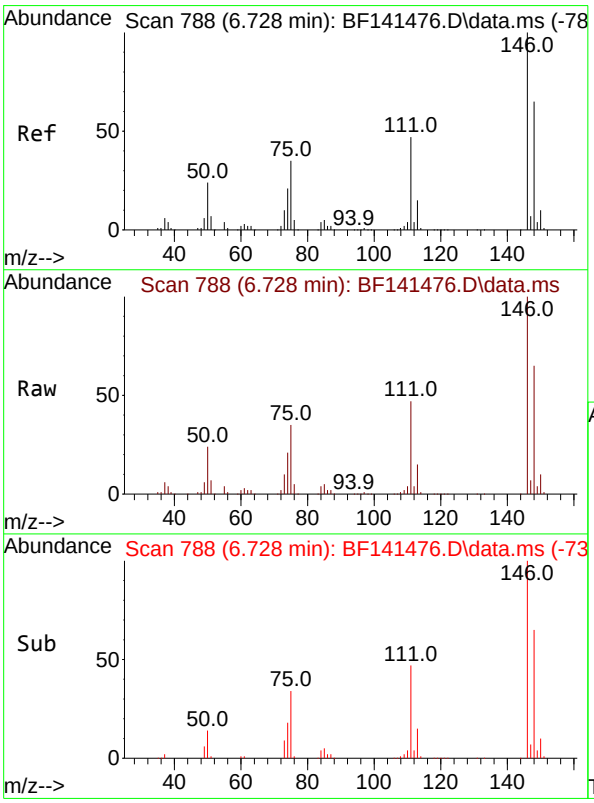
#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

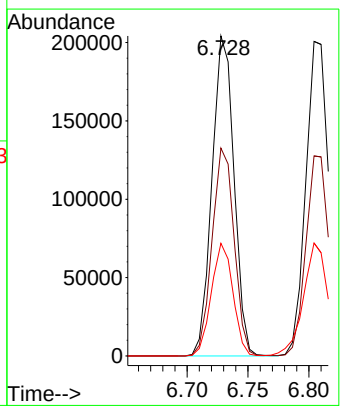


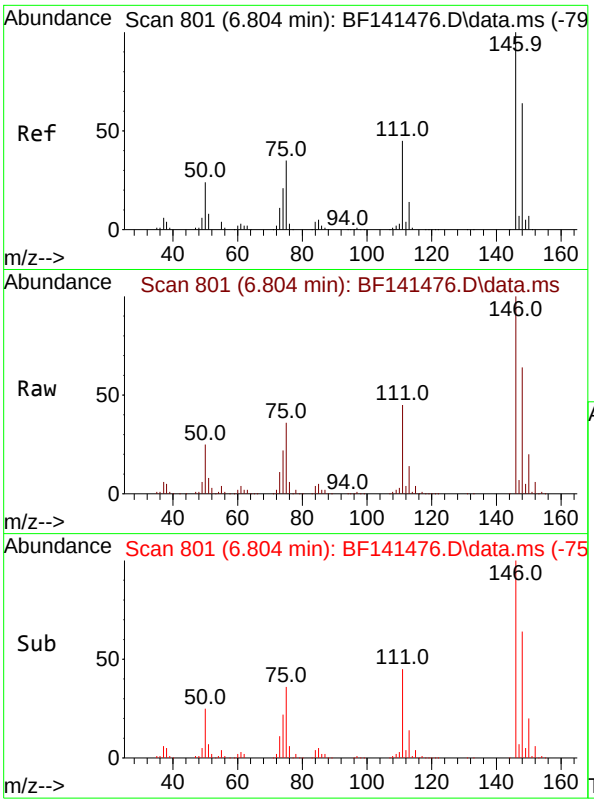


#12
1,3-Dichlorobenzene
Concen: 39.613 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



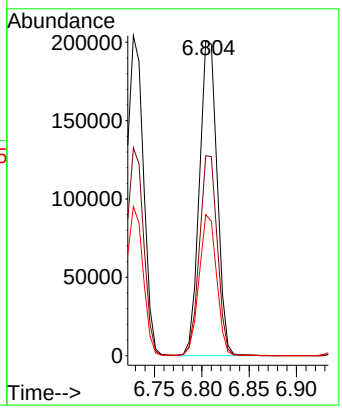


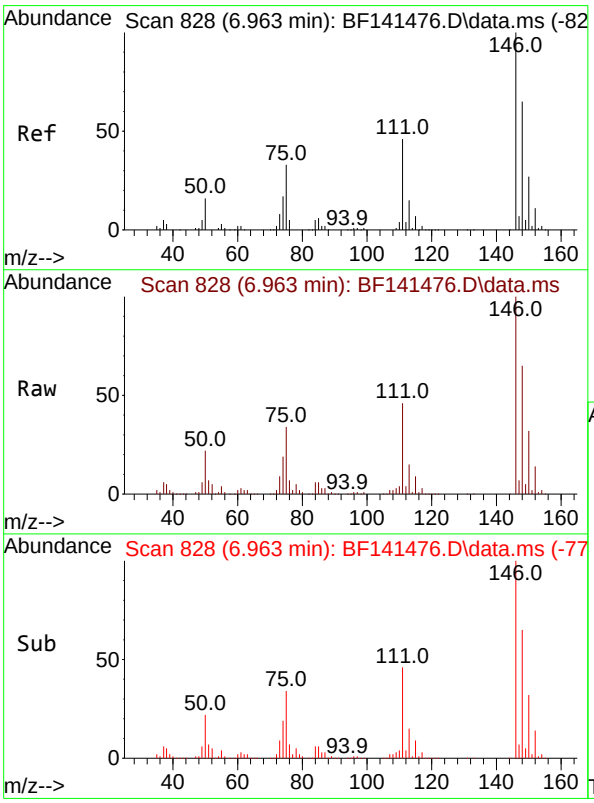
#13
1,4-Dichlorobenzene
Concen: 39.574 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

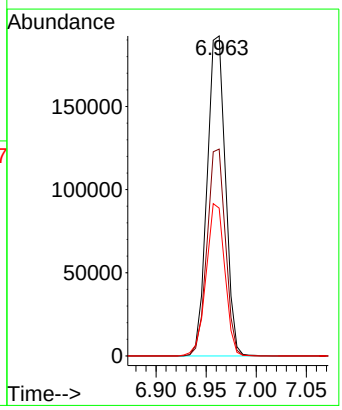


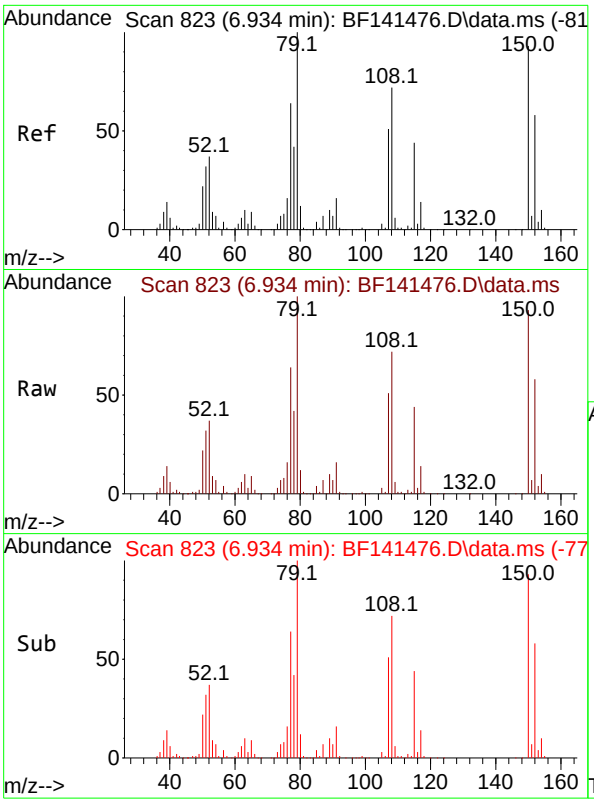


#14
1,2-Dichlorobenzene
Concen: 39.814 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



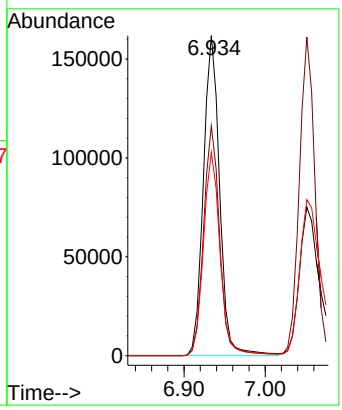


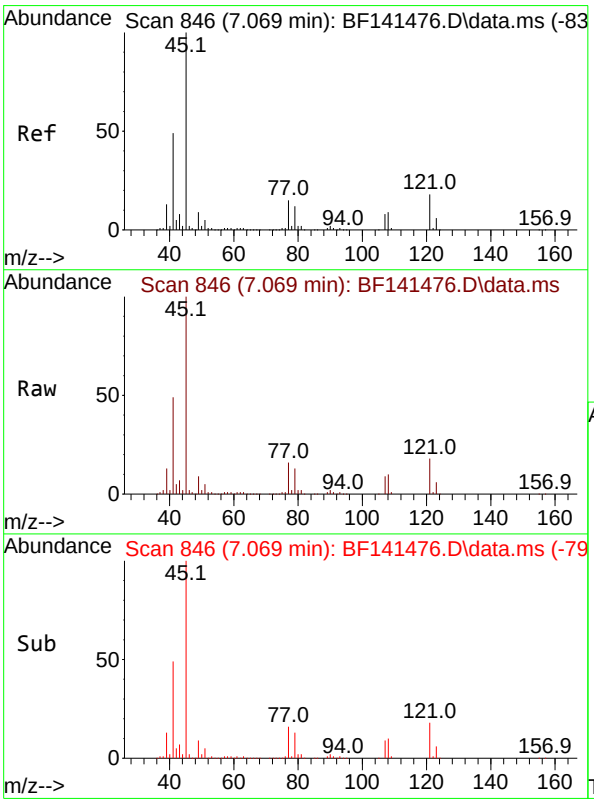
#15
Benzyl Alcohol
Concen: 40.841 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

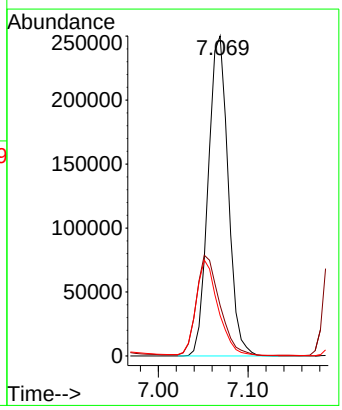


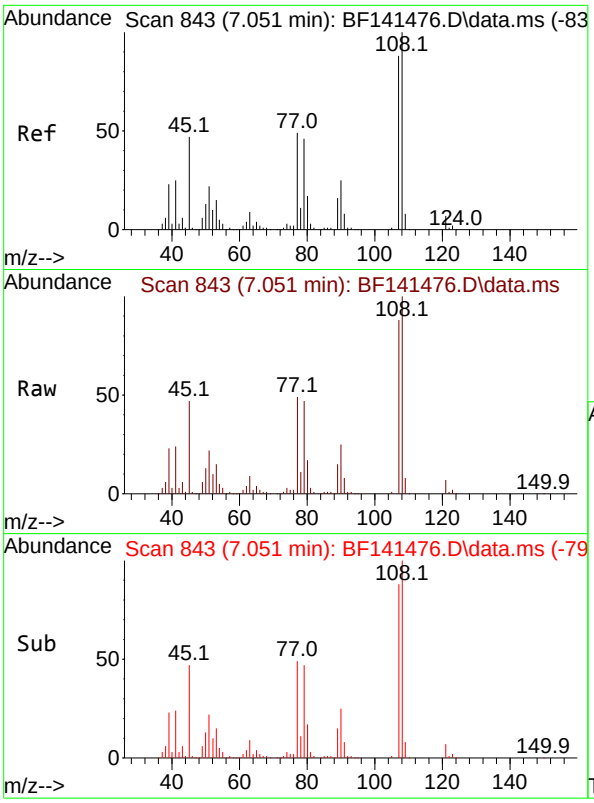


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.130 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



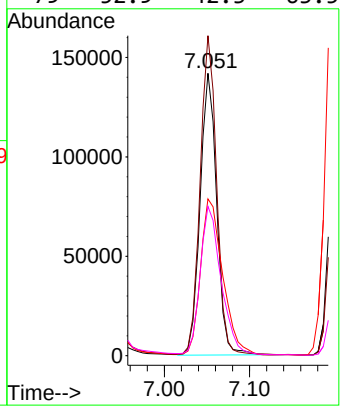


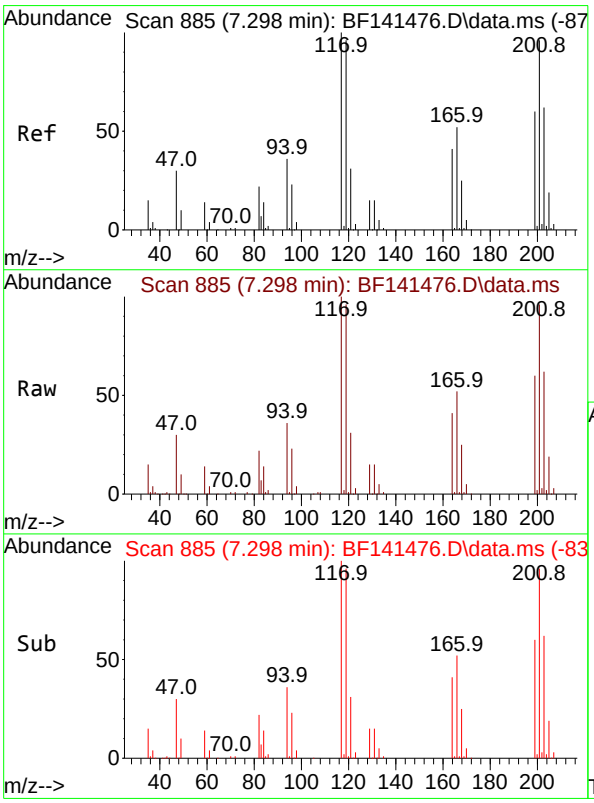
#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

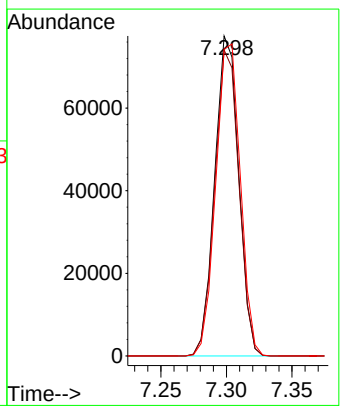


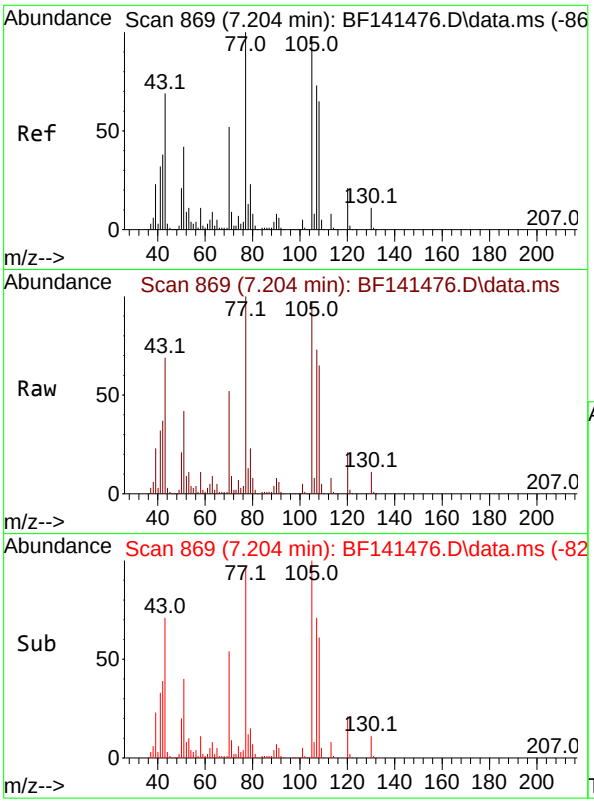


#18
Hexachloroethane
Concen: 40.215 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



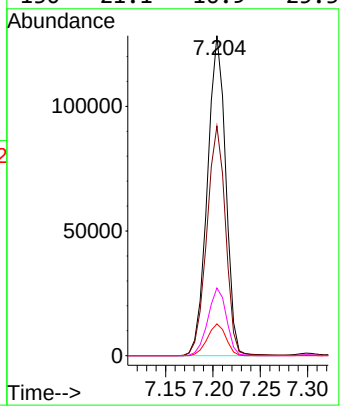


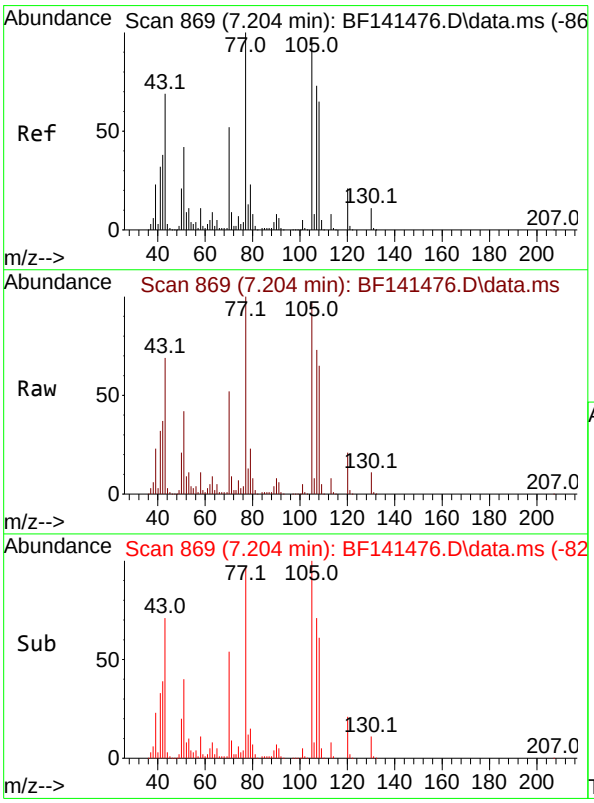
#19
n-Nitroso-di-n-propylamine
Concen: 40.198 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

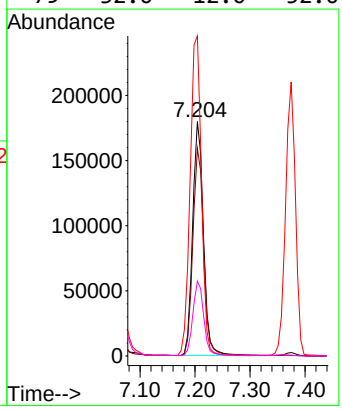


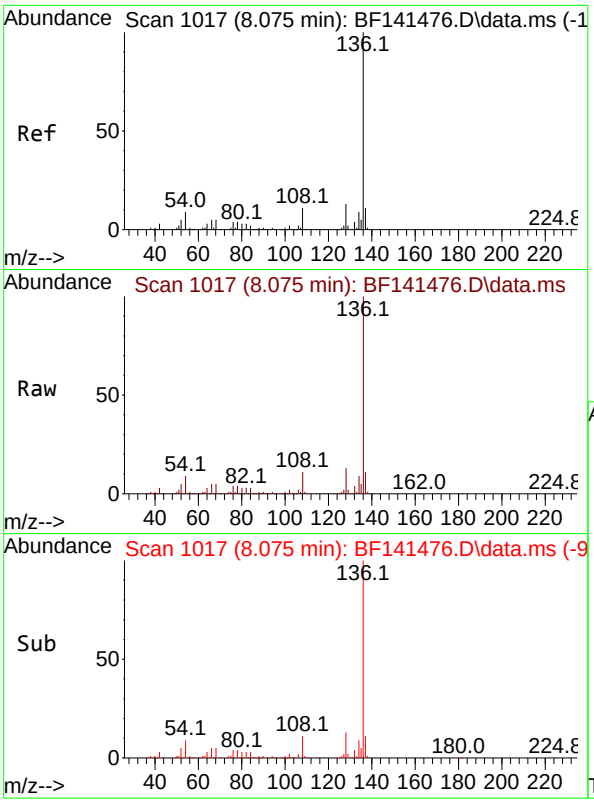


#20
3+4-Methylphenols
Concen: 40.024 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



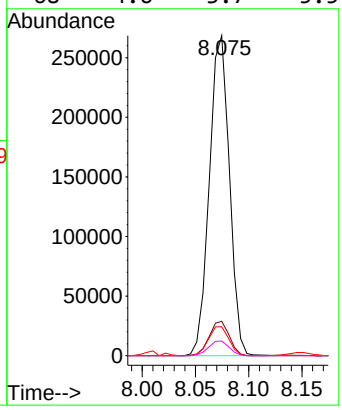


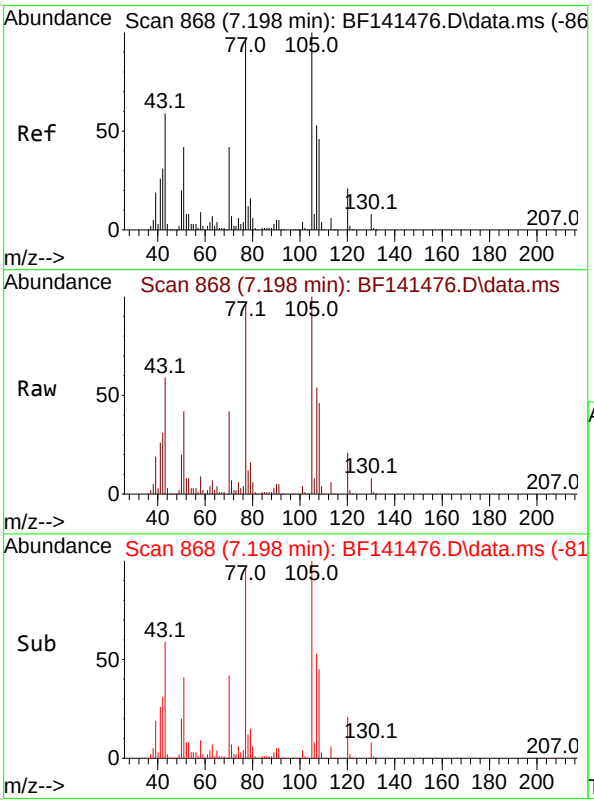
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

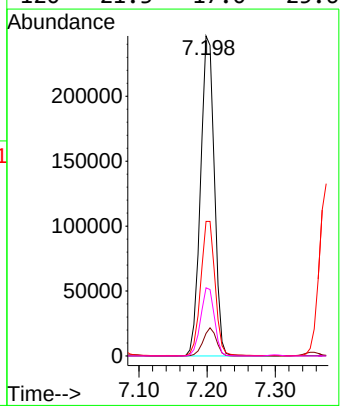


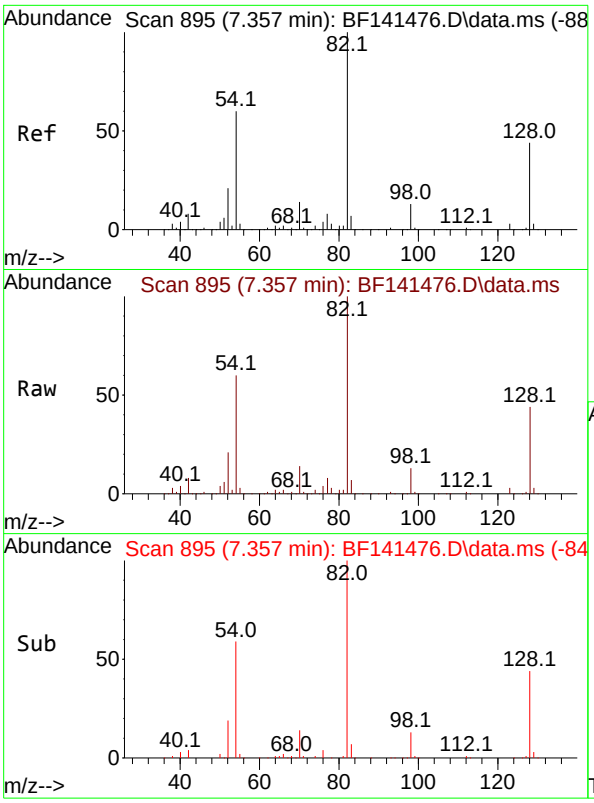


#22
Acetophenone
Concen: 39.649 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



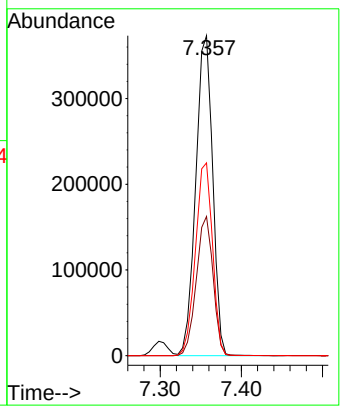


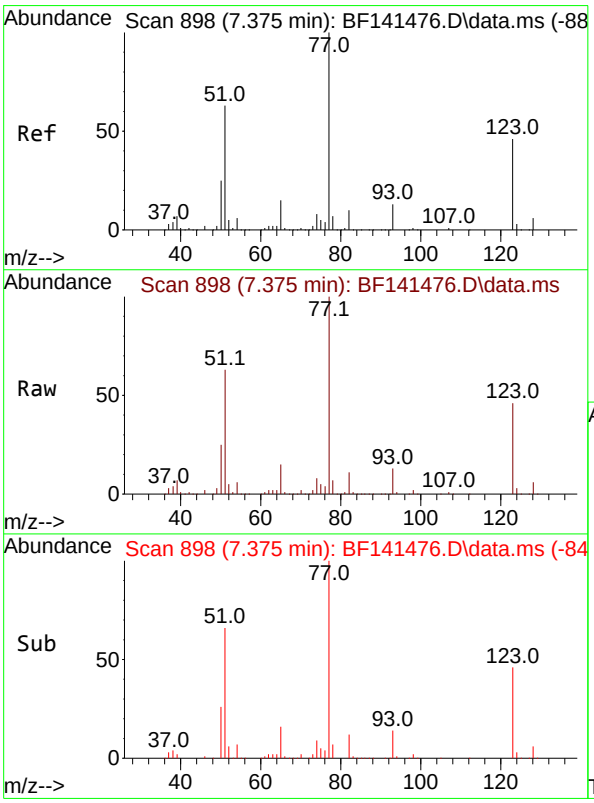
#23
Nitrobenzene-d5
Concen: 80.234 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

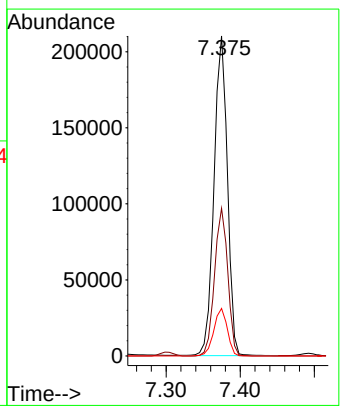


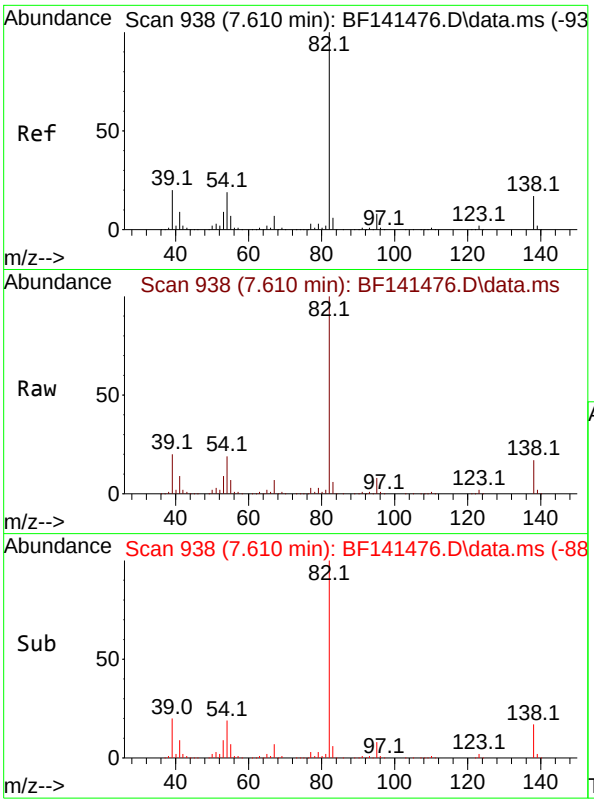


#24
Nitrobenzene
Concen: 40.044 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



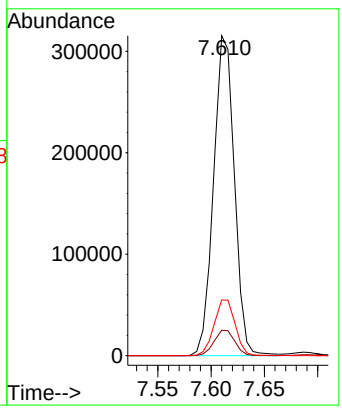


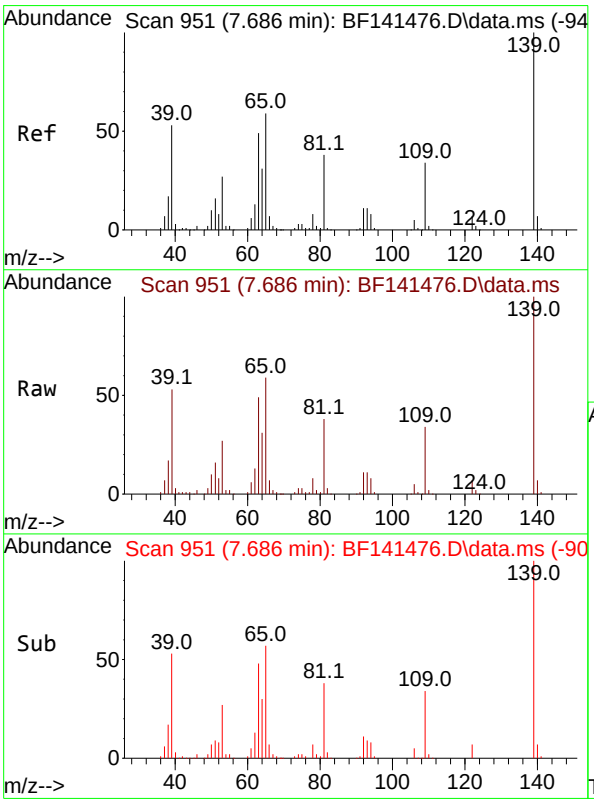
#25
Isophorone
Concen: 39.948 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

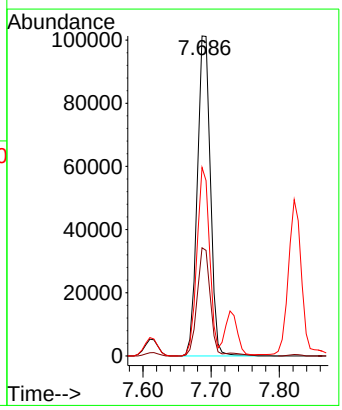


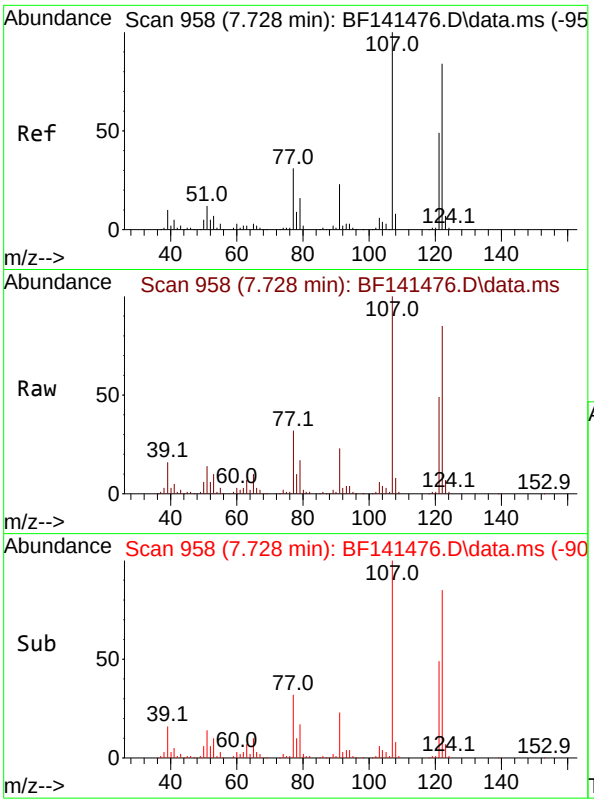


#26
2-Nitrophenol
Concen: 41.394 ng
RT: 7.686 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



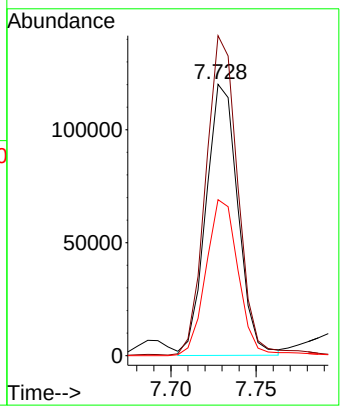


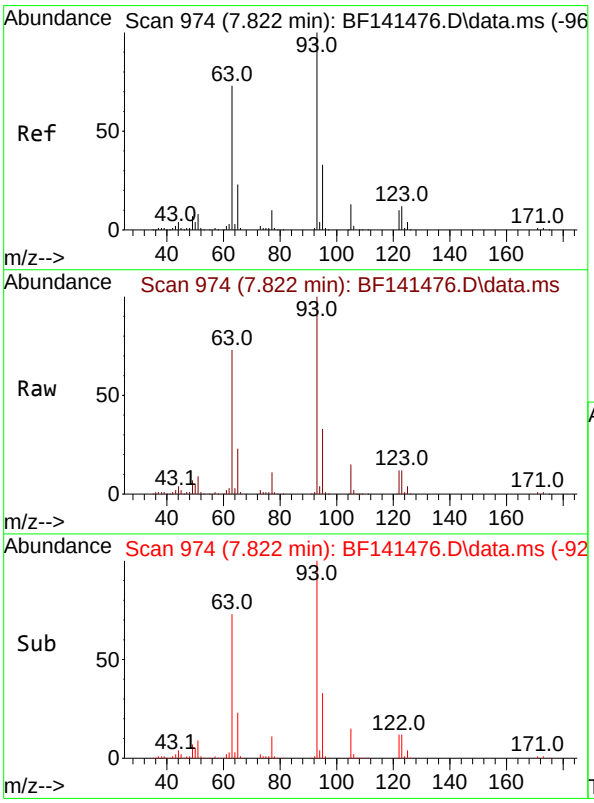
#27
2,4-Dimethylphenol
Concen: 41.012 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

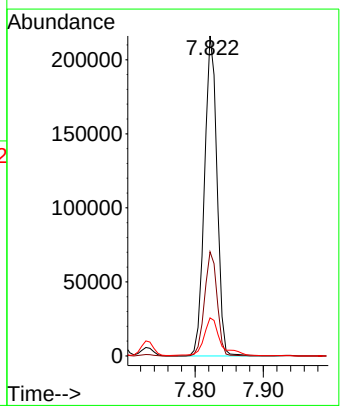


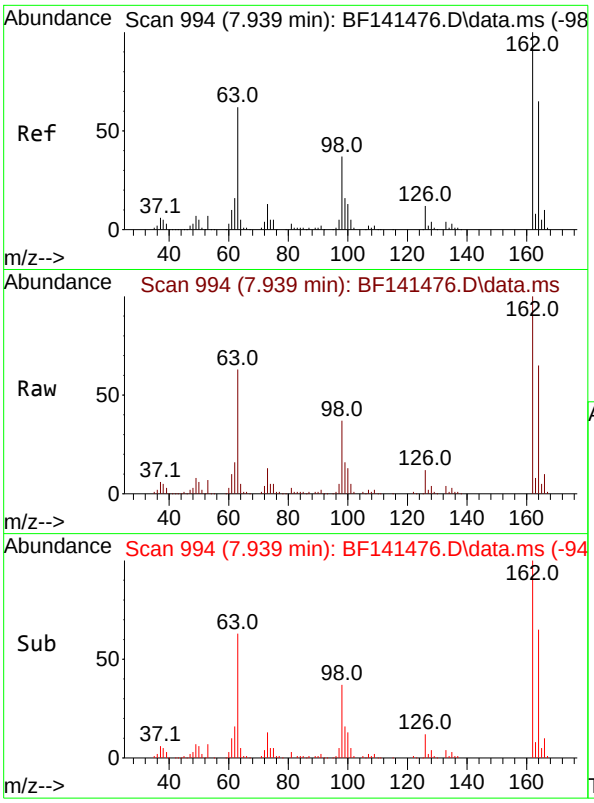


#28
bis(2-Chloroethoxy)methane
Concen: 40.185 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



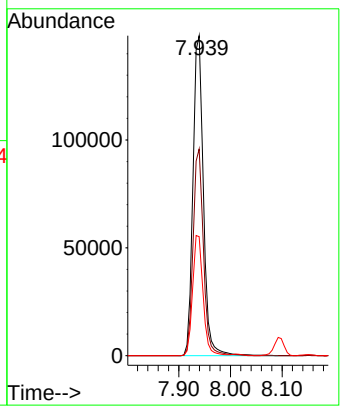


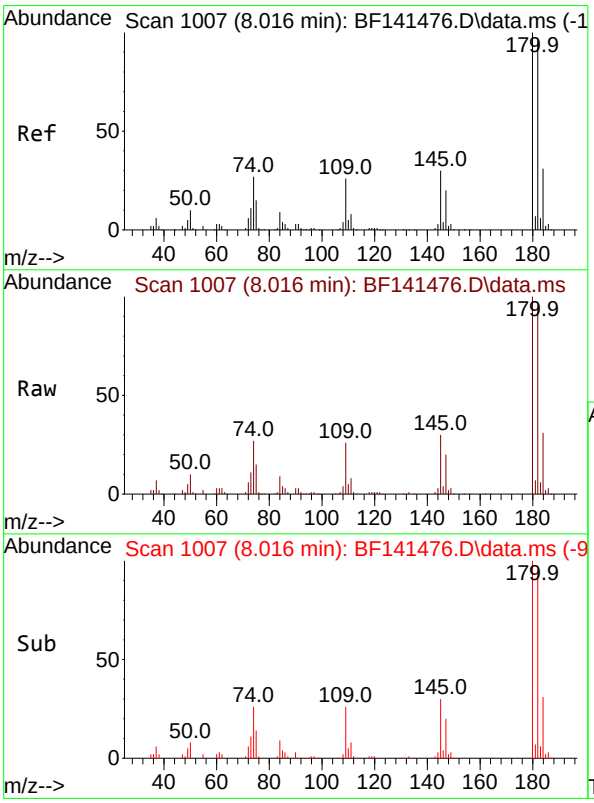
#29
2,4-Dichlorophenol
Concen: 40.375 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

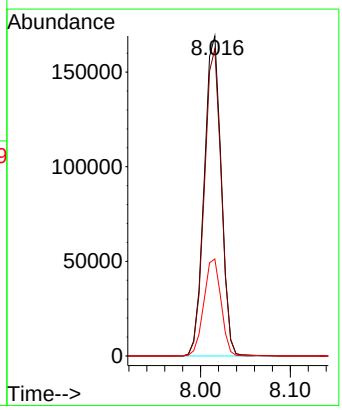


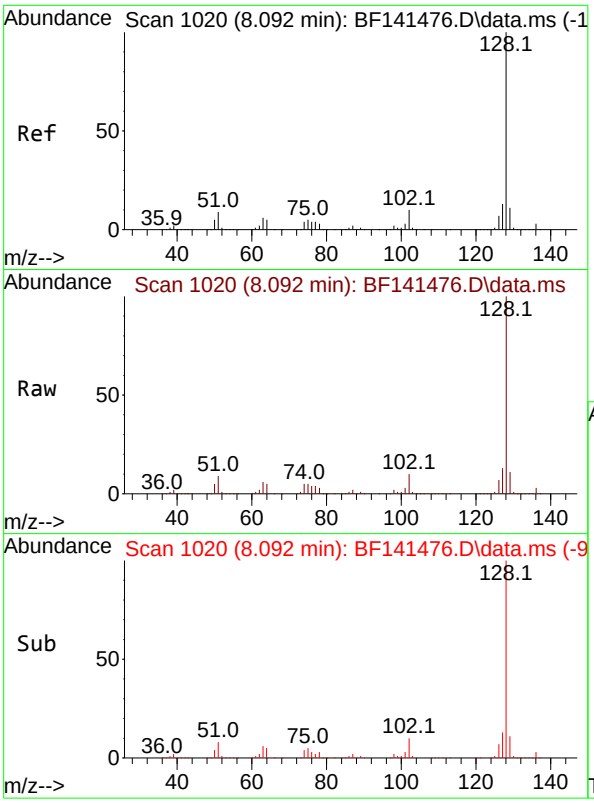


#30
1,2,4-Trichlorobenzene
Concen: 39.619 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



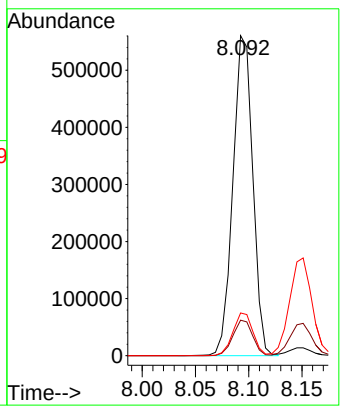


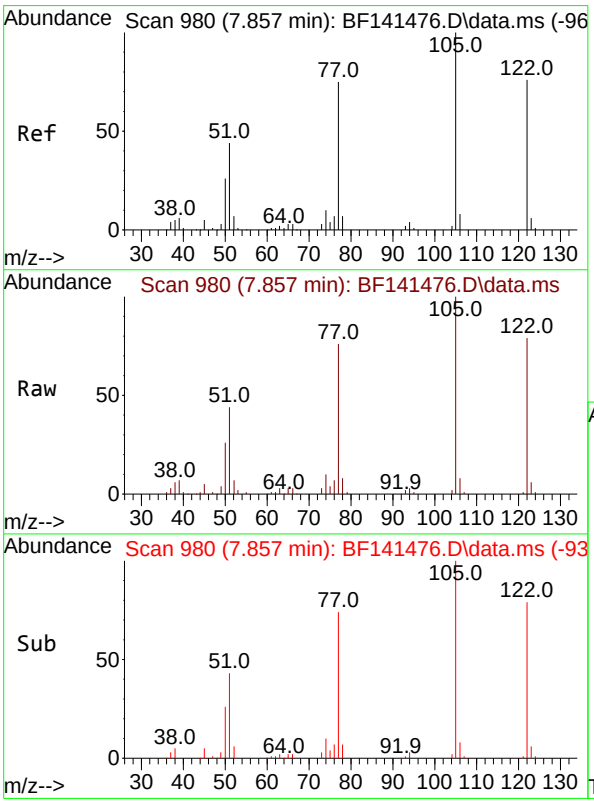
#31
Naphthalene
Concen: 39.856 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

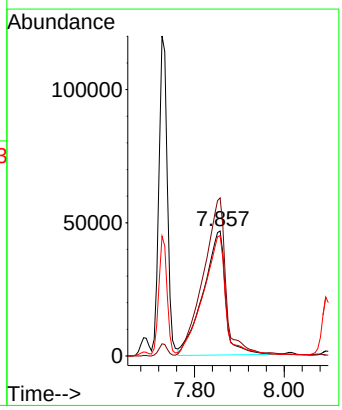


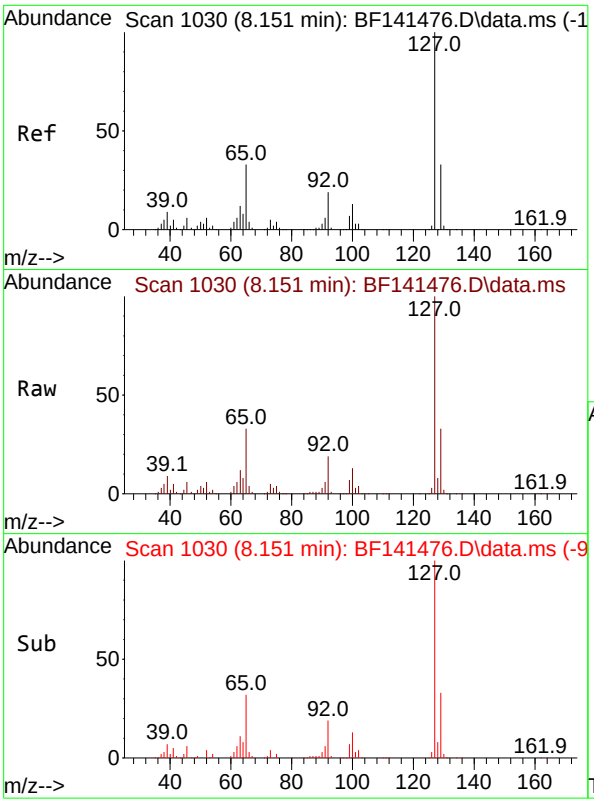


#32
Benzoic acid
Concen: 40.625 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



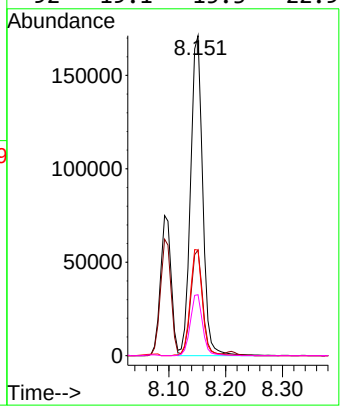


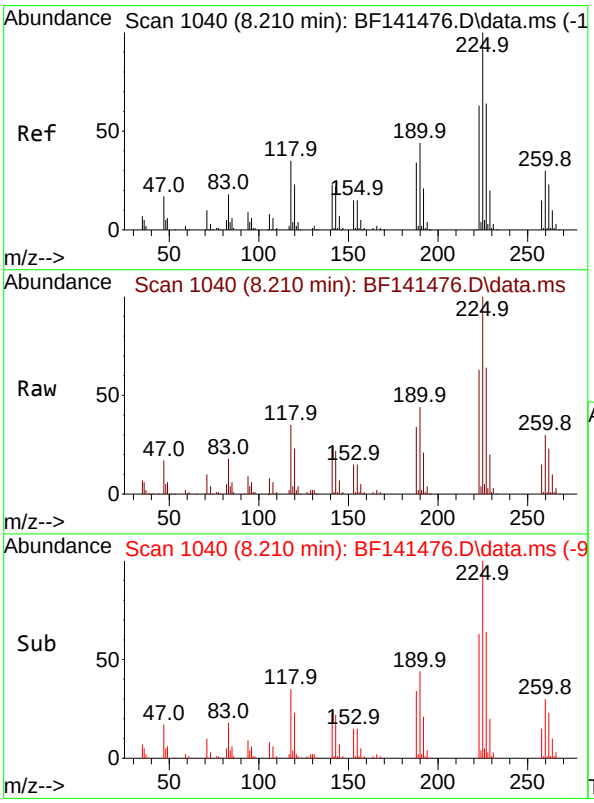
#33
4-Chloroaniline
Concen: 40.029 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

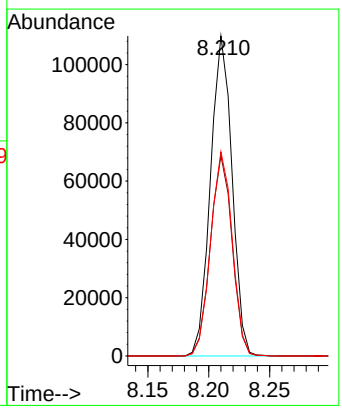


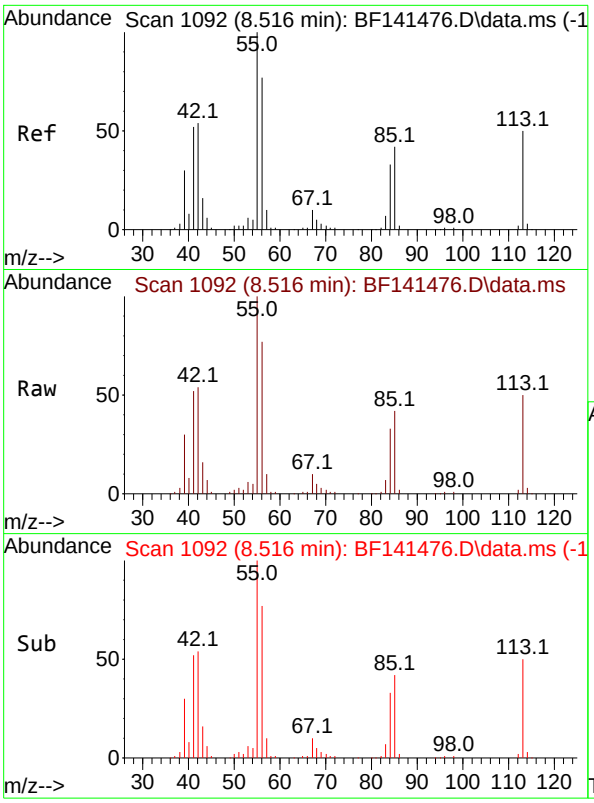


#34
Hexachlorobutadiene
Concen: 40.051 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



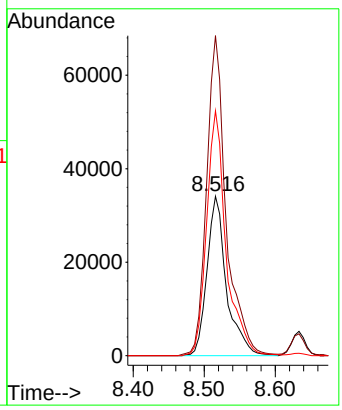


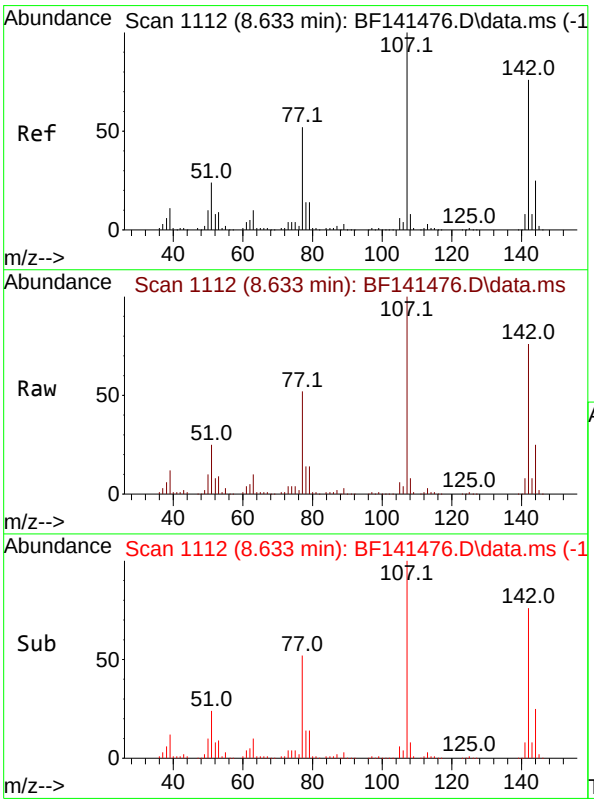
#35
Caprolactam
Concen: 41.461 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

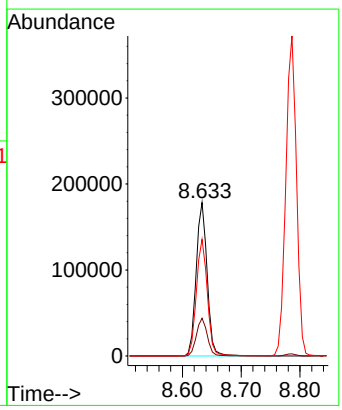


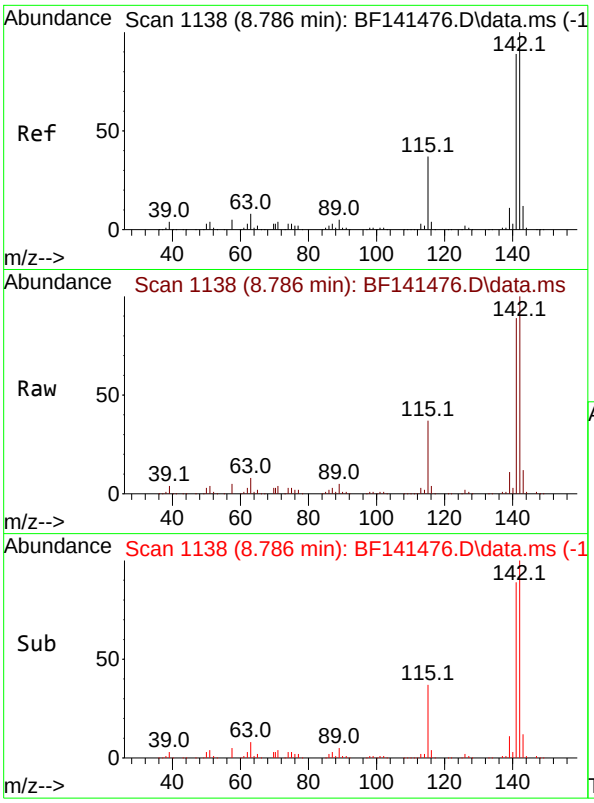


#36
4-Chloro-3-methylphenol
Concen: 40.464 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



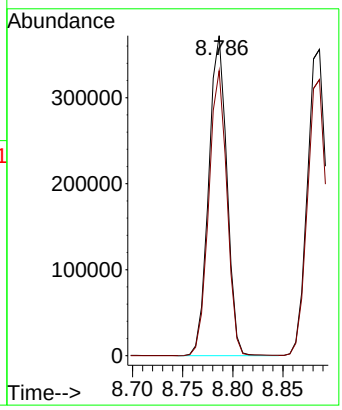


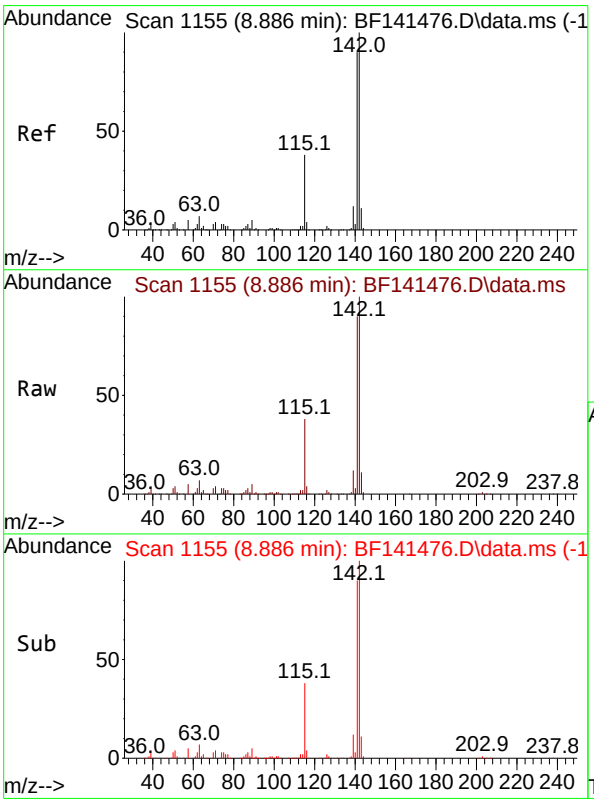
#37
2-Methylnaphthalene
Concen: 39.496 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 470332

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

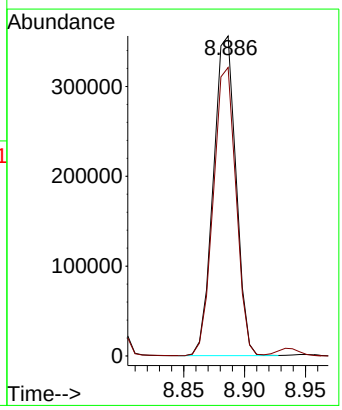


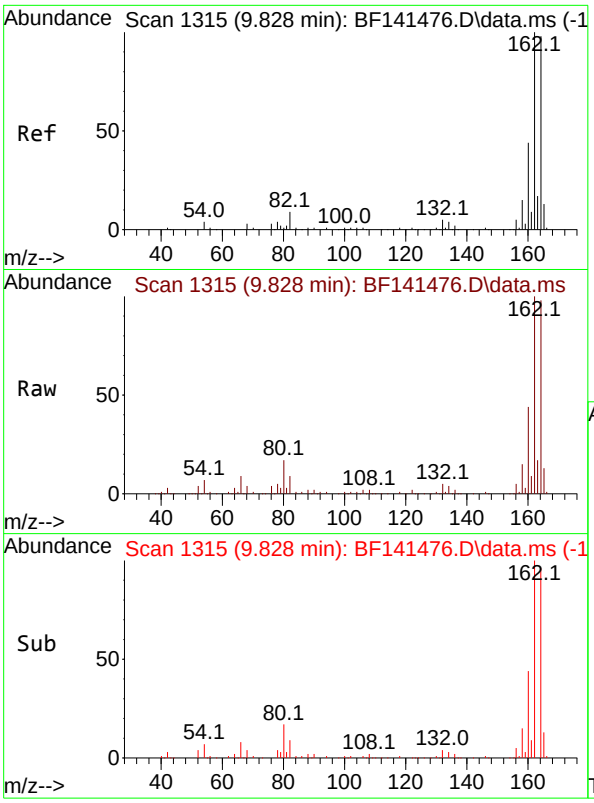


#38
1-Methylnaphthalene
Concen: 39.987 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:142 Resp: 461189

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1



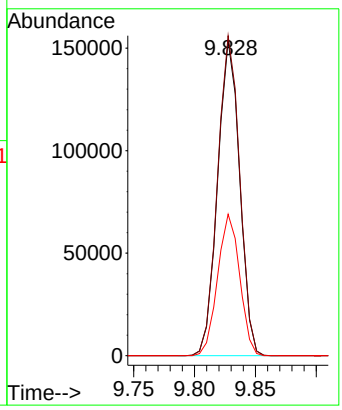


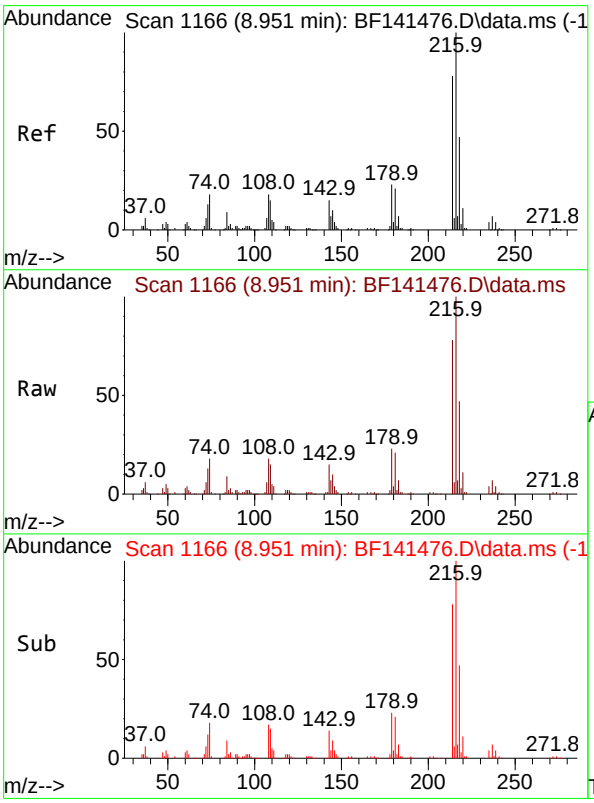
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

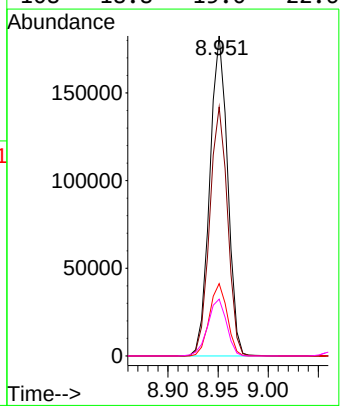


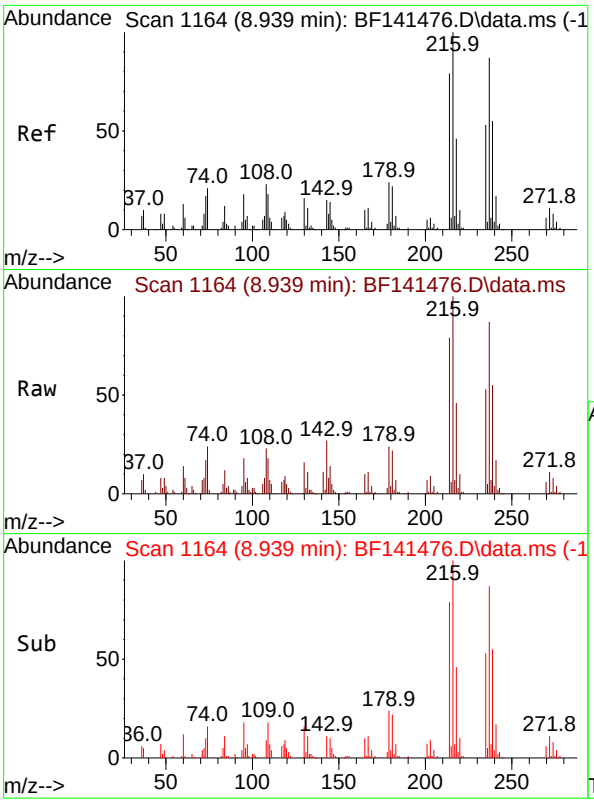


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.383 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



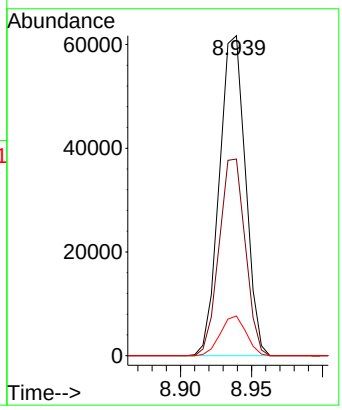


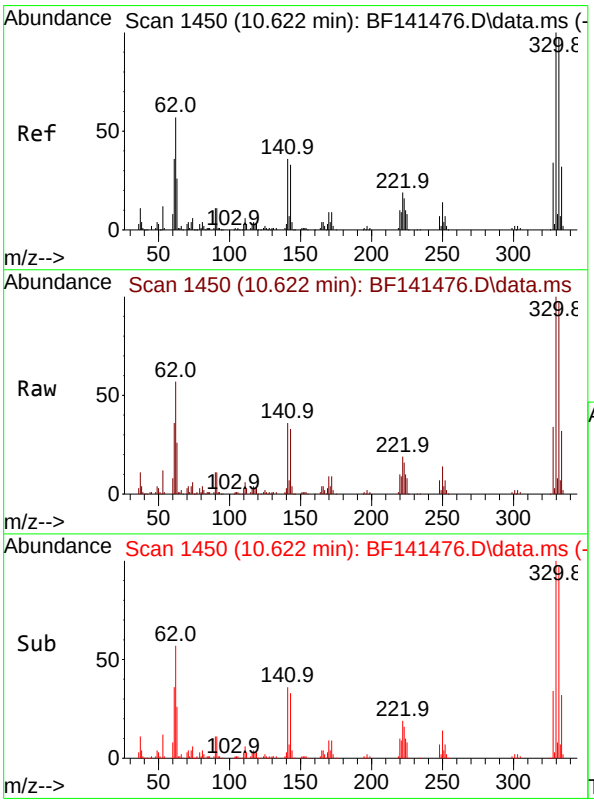
#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

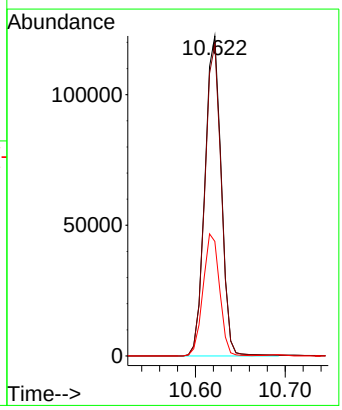


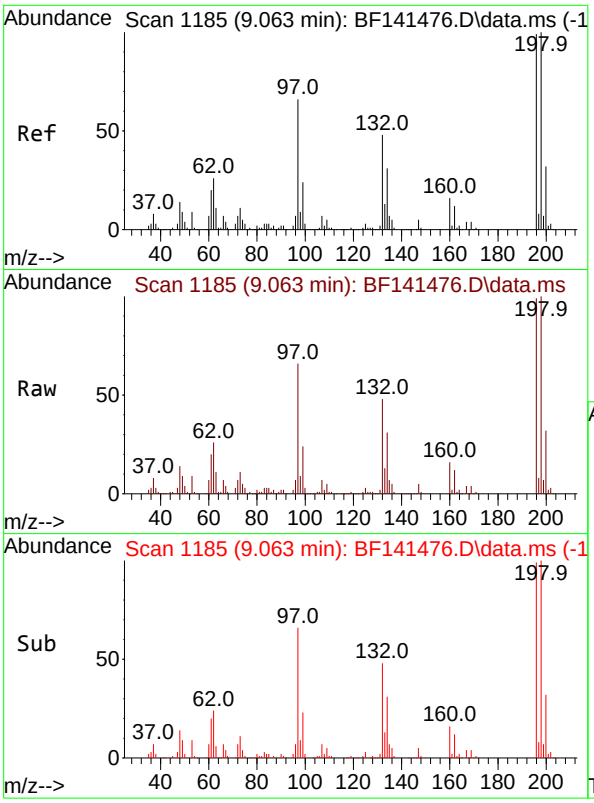


#42
2,4,6-Tribromophenol
Concen: 79.647 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



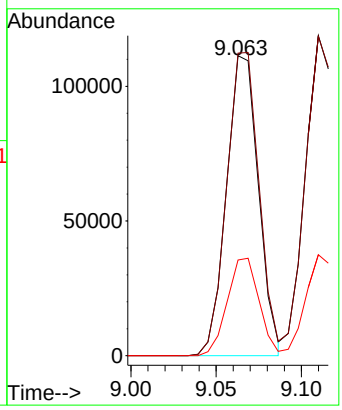


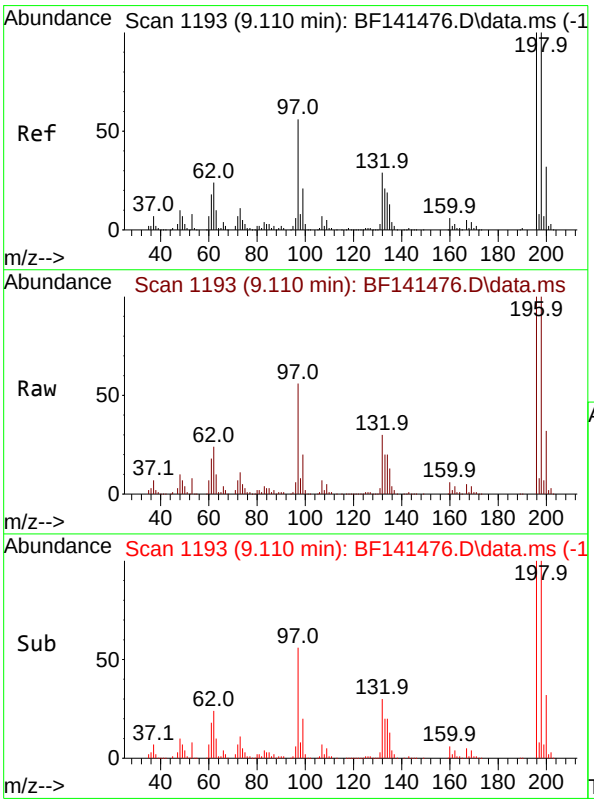
#43
2,4,6-Trichlorophenol
Concen: 40.288 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

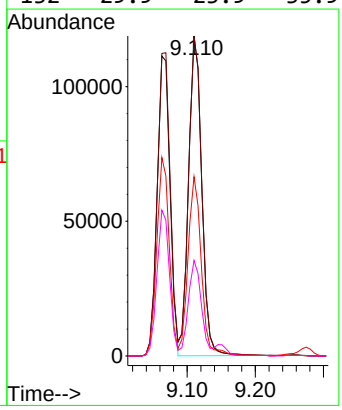


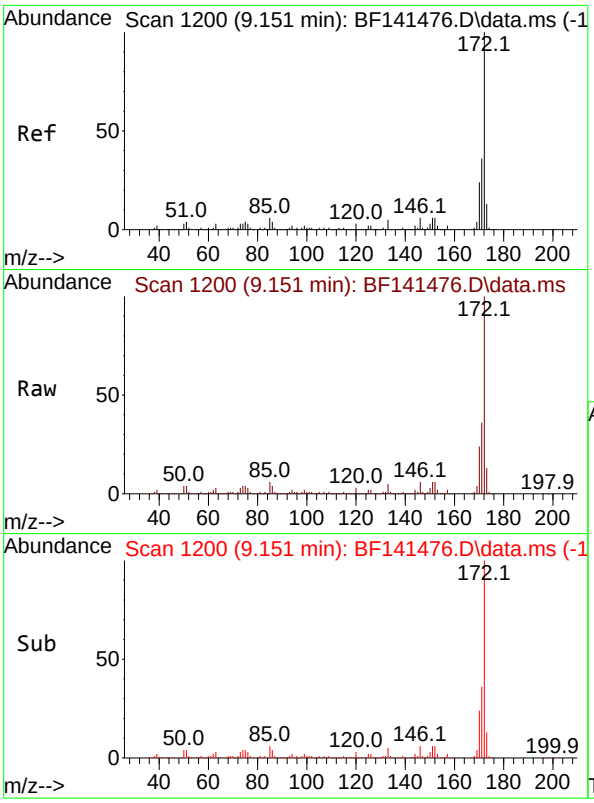


#44
2,4,5-Trichlorophenol
Concen: 40.492 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



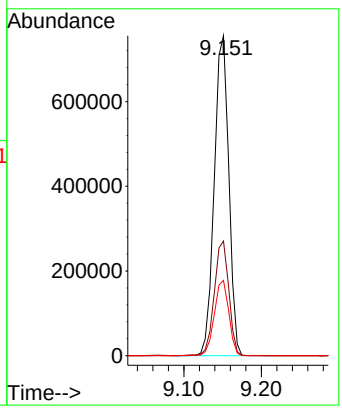


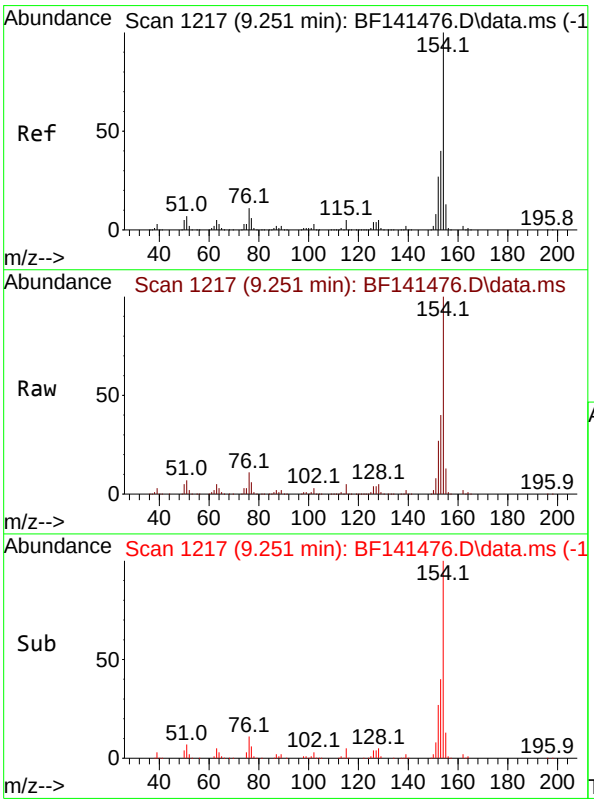
#45
2-Fluorobiphenyl
Concen: 78.189 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

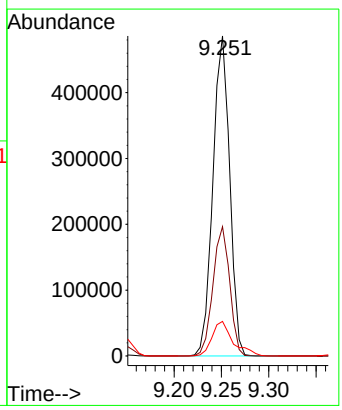


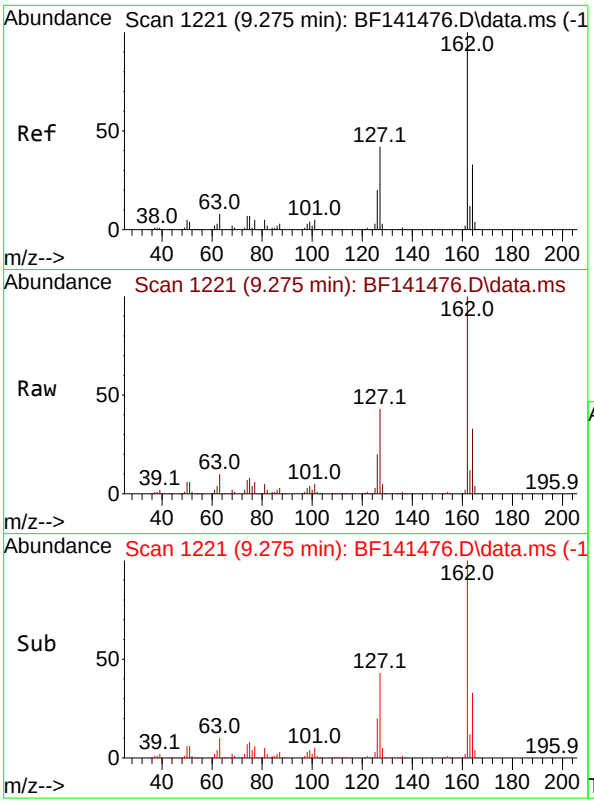


#46
1,1'-Biphenyl
Concen: 39.846 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



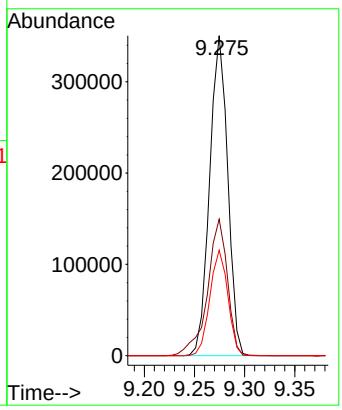


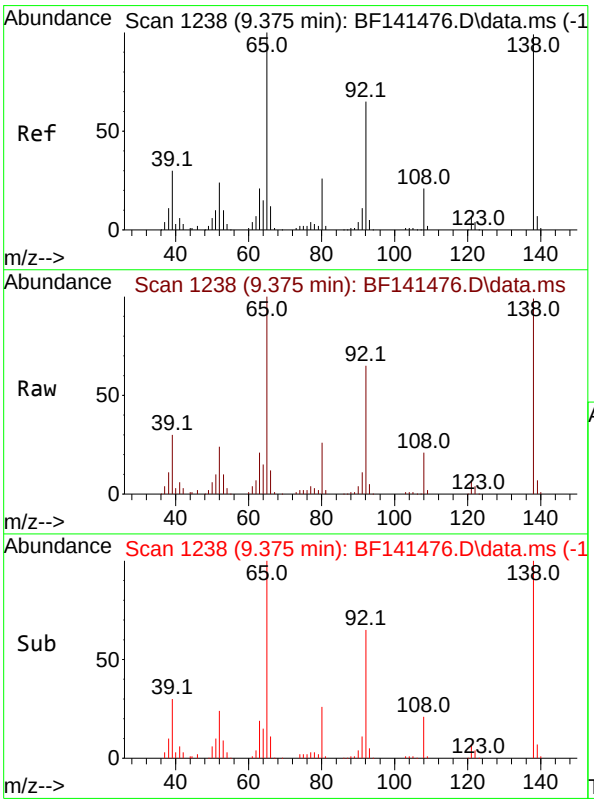
#47
2-Chloronaphthalene
Concen: 39.590 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

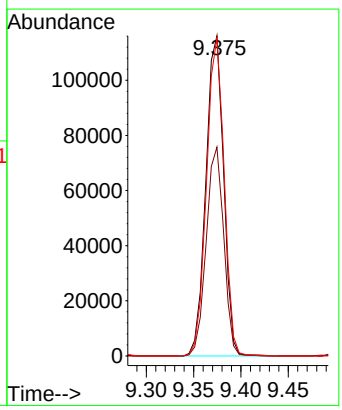


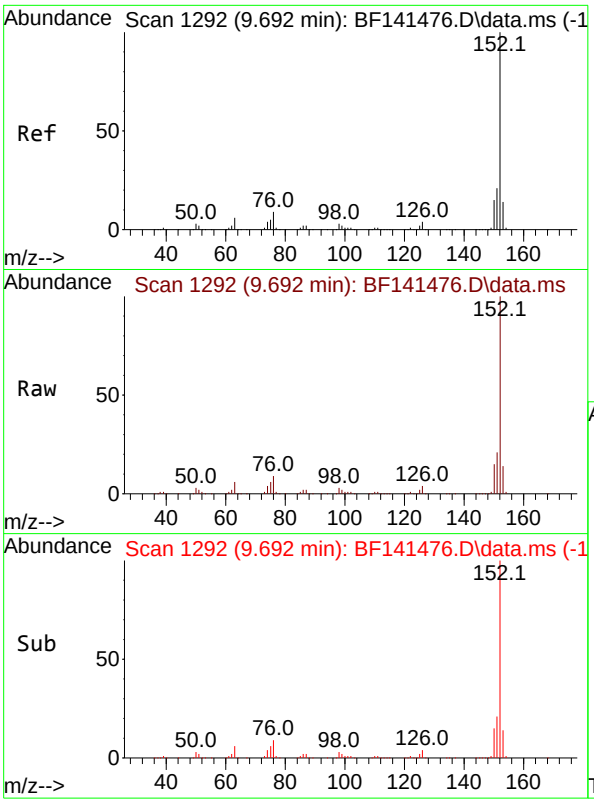


#48
2-Nitroaniline
Concen: 40.563 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



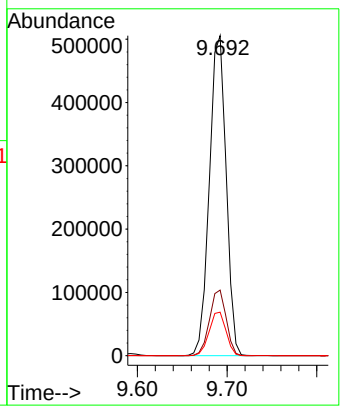


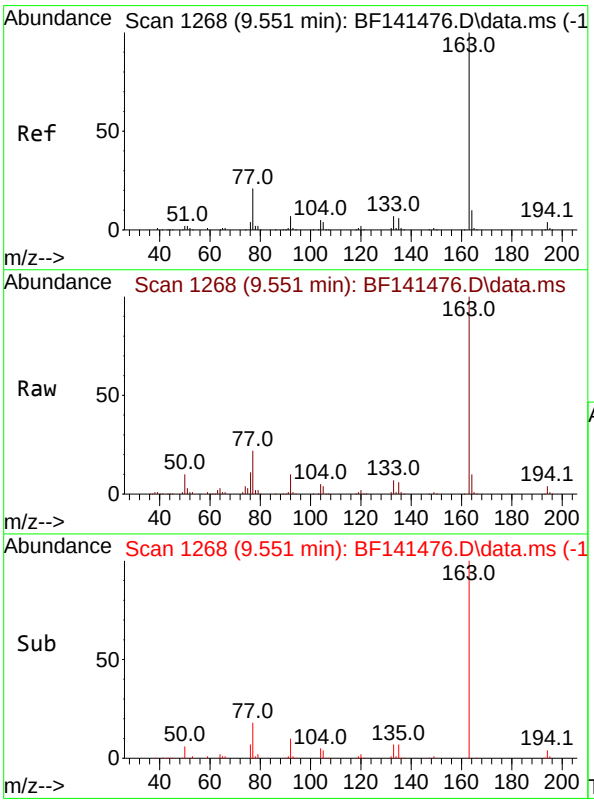
#49
Acenaphthylene
Concen: 39.789 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

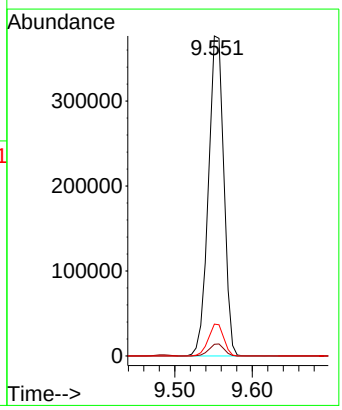


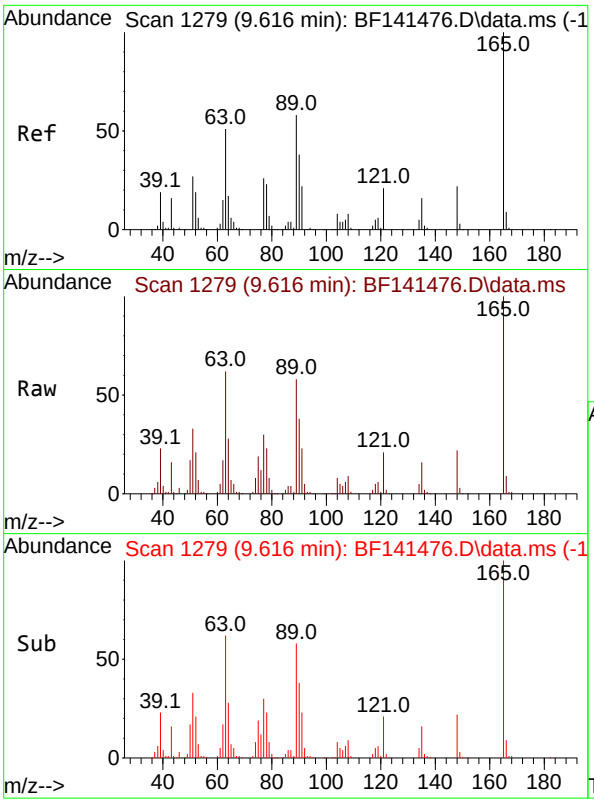


#50
Dimethylphthalate
Concen: 39.638 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



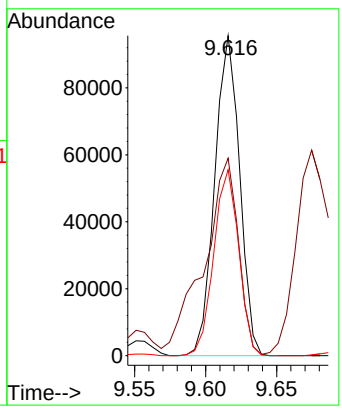


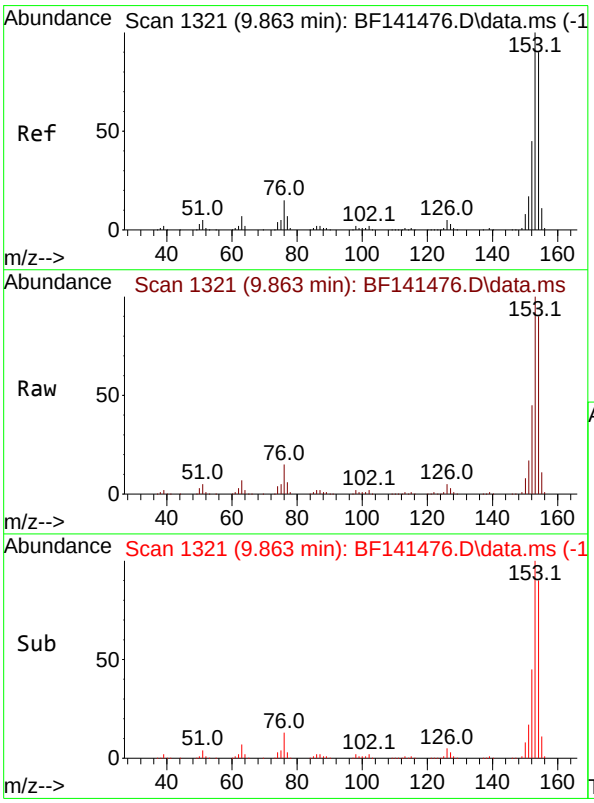
#51
2,6-Dinitrotoluene
Concen: 40.536 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

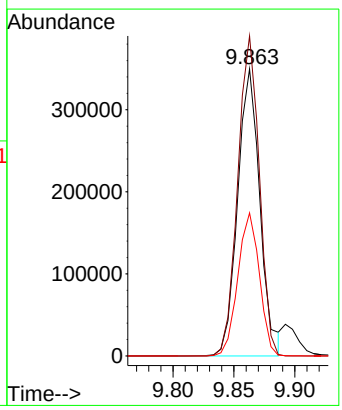


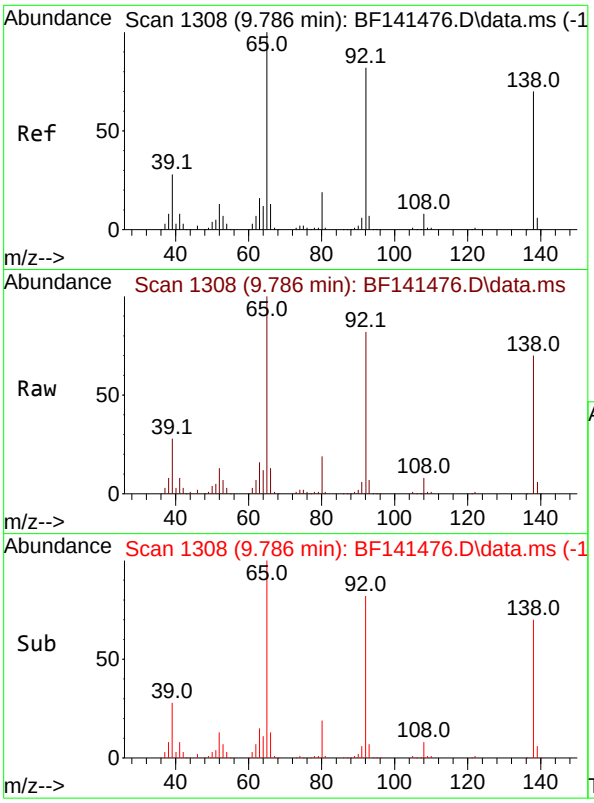


#52
Acenaphthene
Concen: 40.186 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



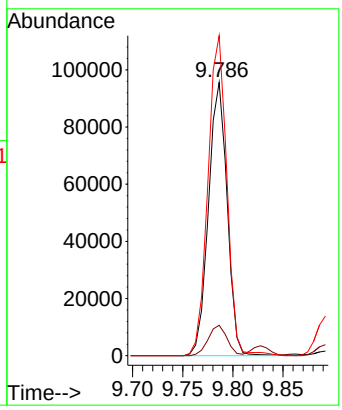


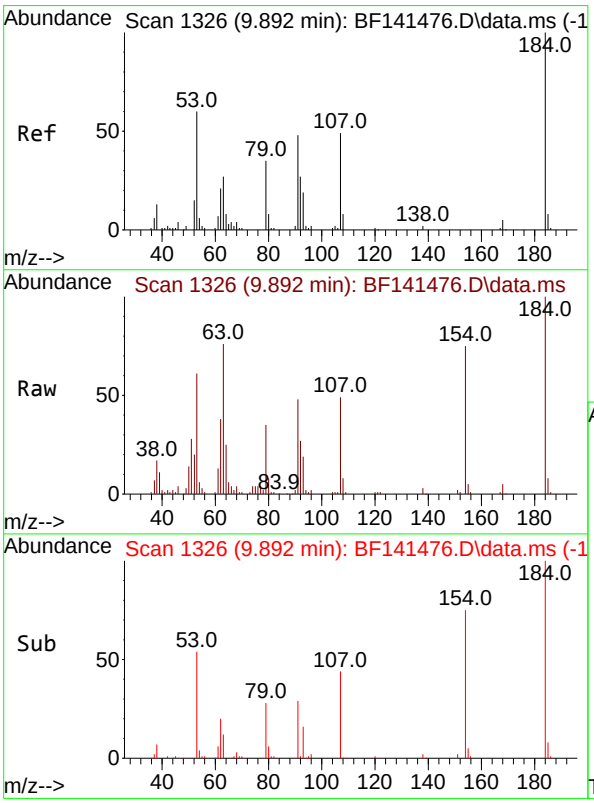
#53
3-Nitroaniline
Concen: 39.991 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

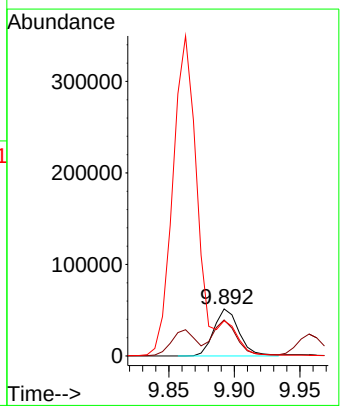


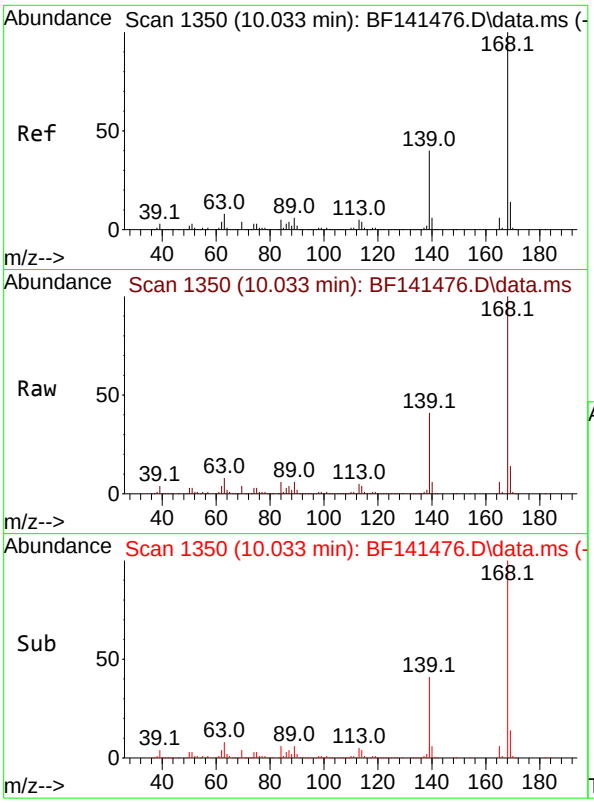


#54
2,4-Dinitrophenol
Concen: 40.153 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



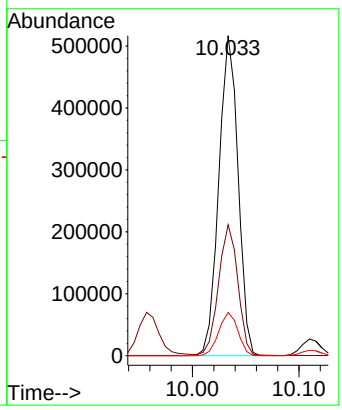


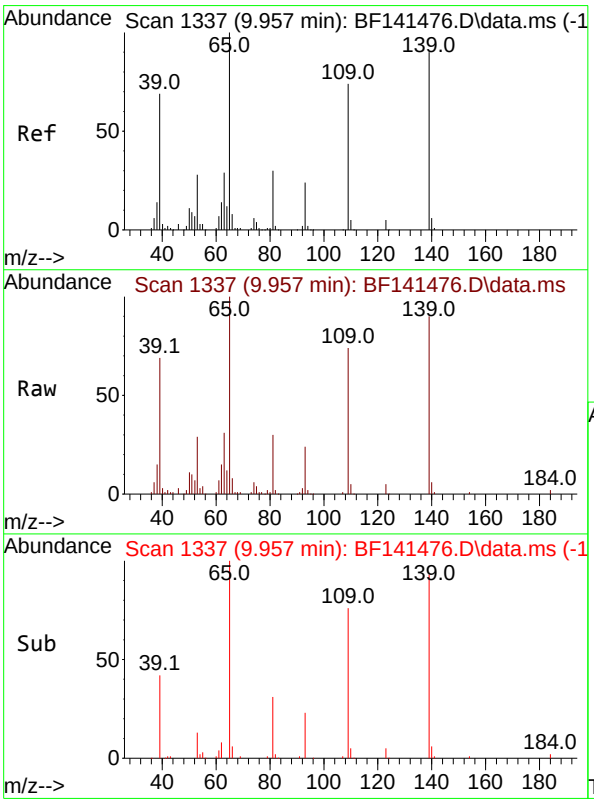
#55
Dibenzofuran
Concen: 39.775 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

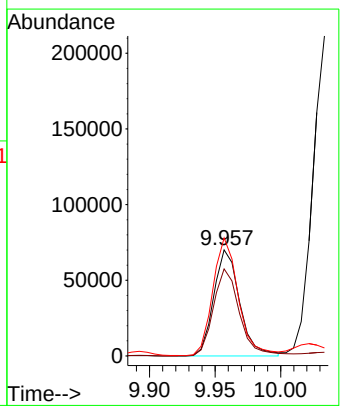


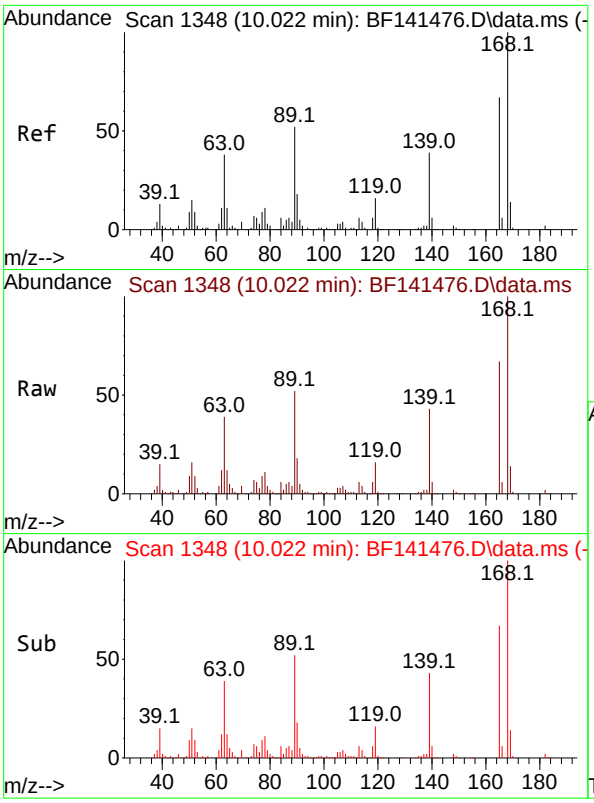


#56
4-Nitrophenol
Concen: 42.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



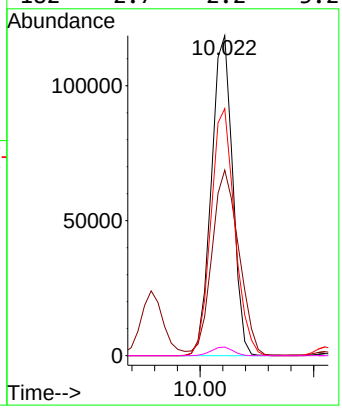


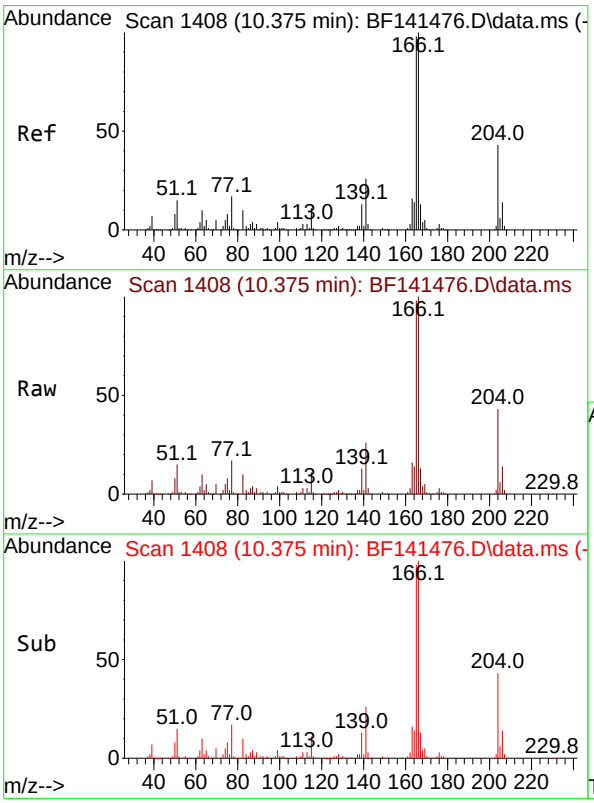
#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

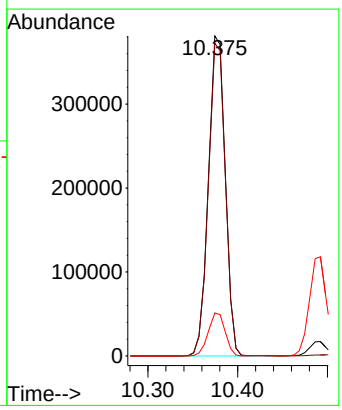


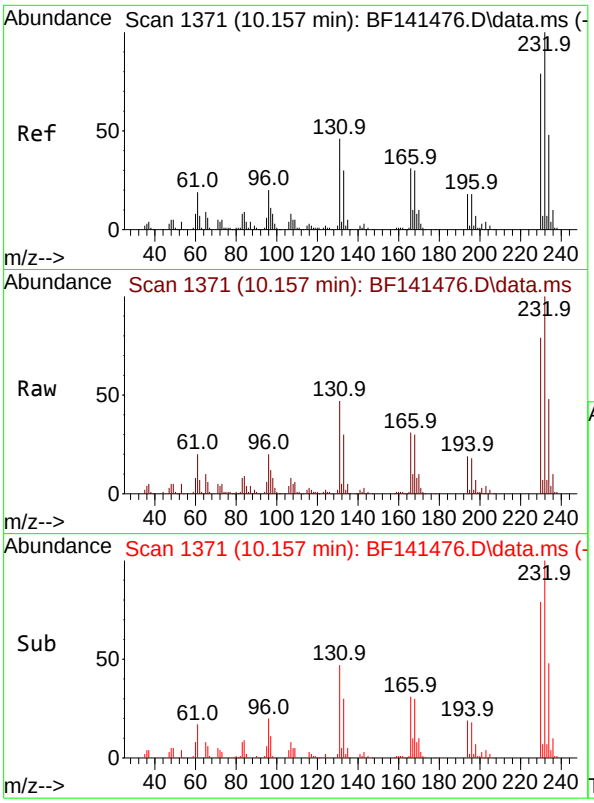


#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



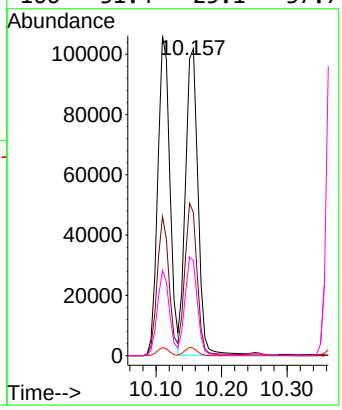


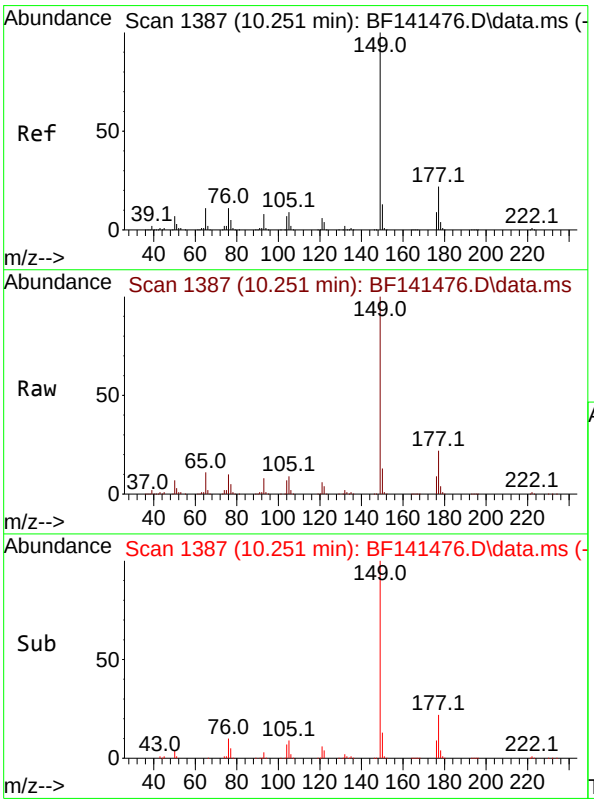
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

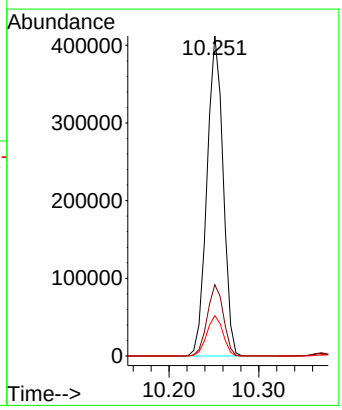


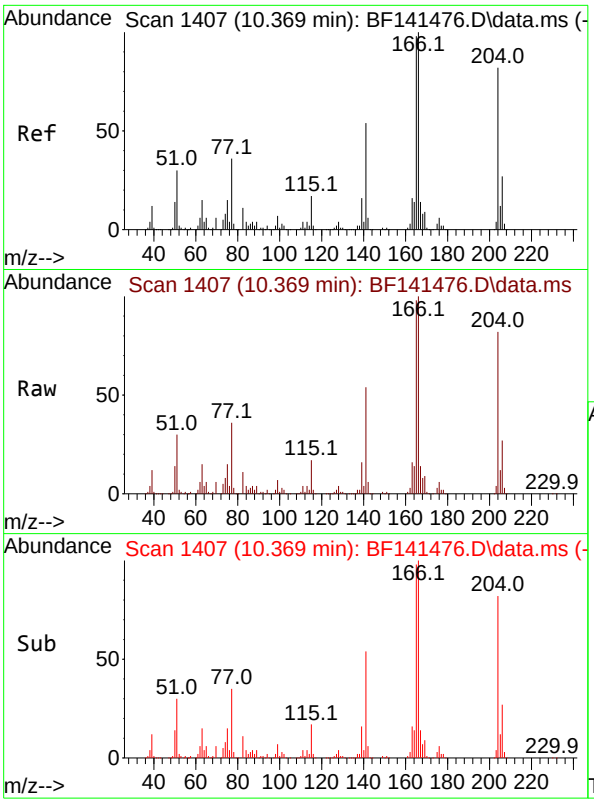


#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



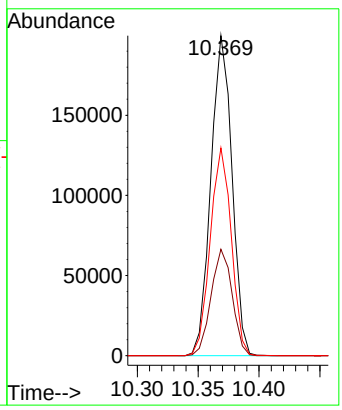


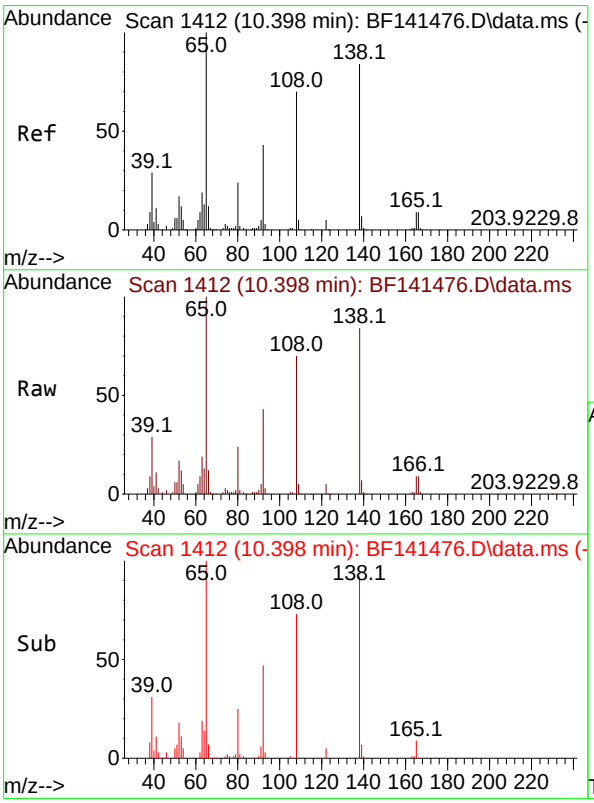
#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

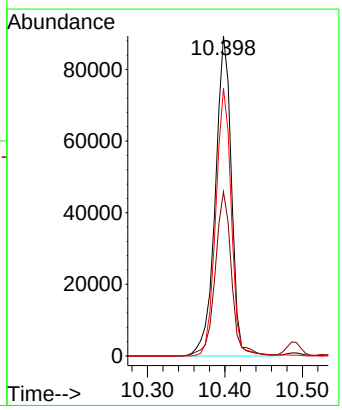


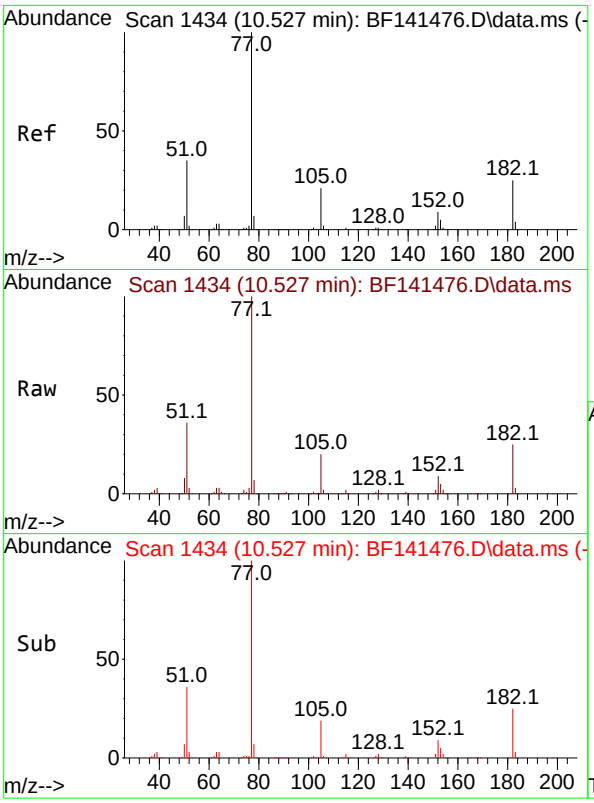


#62
4-Nitroaniline
Concen: 41.253 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



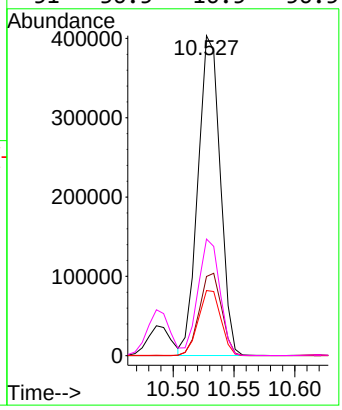


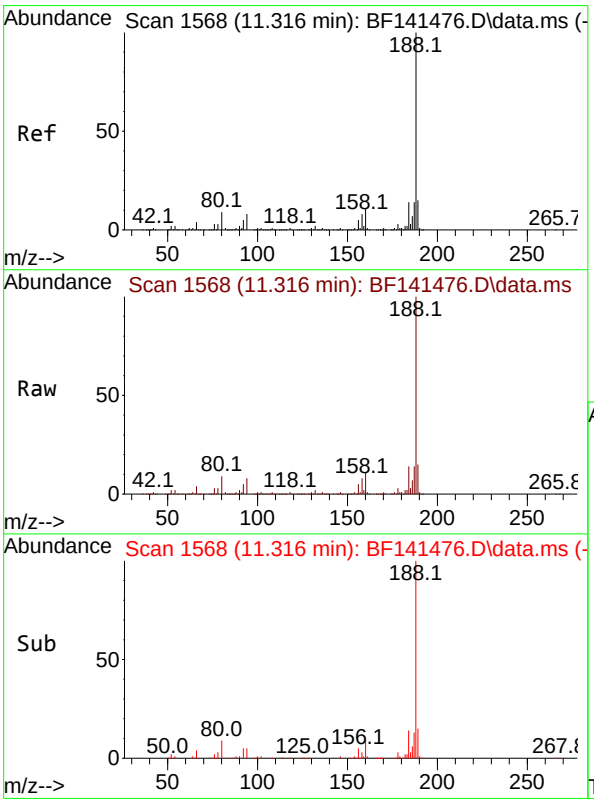
#63
Azobenzene
Concen: 39.926 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

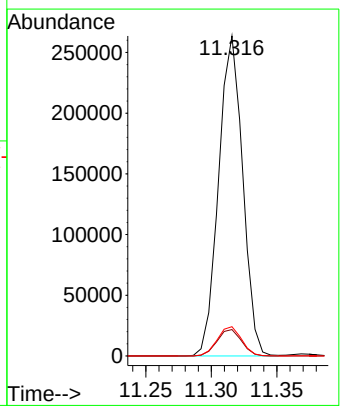


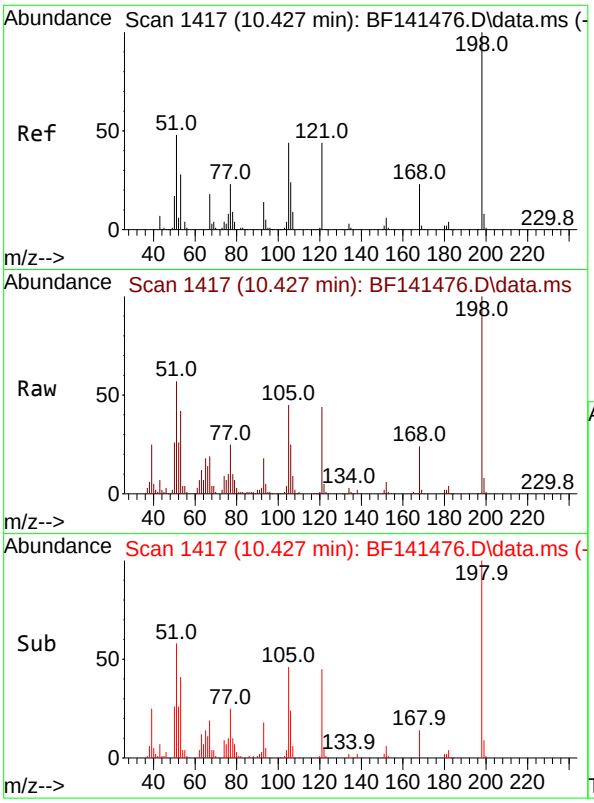


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



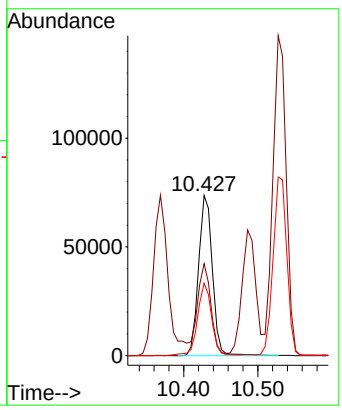


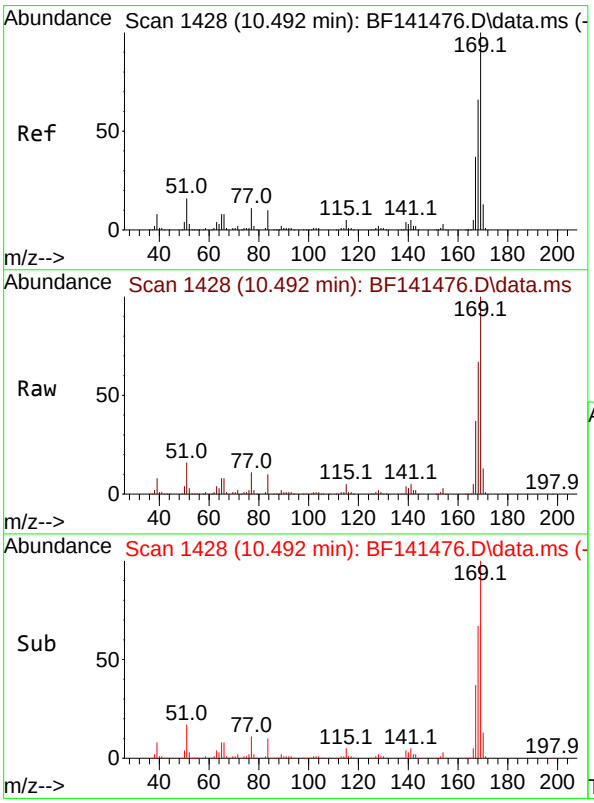
#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

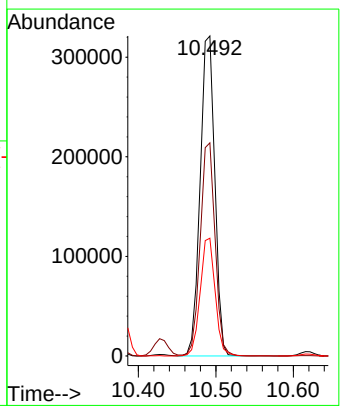


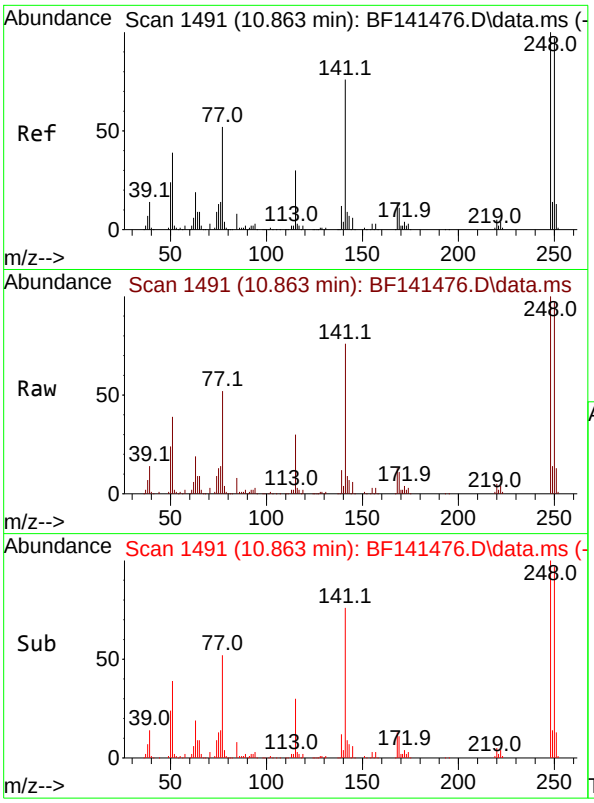


#66
n-Nitrosodiphenylamine
Concen: 39.180 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



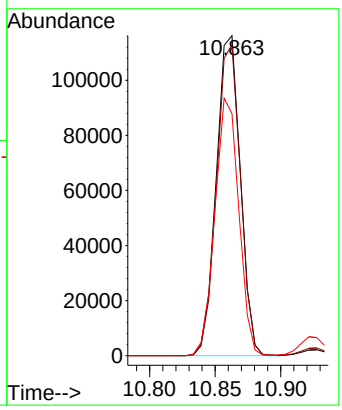


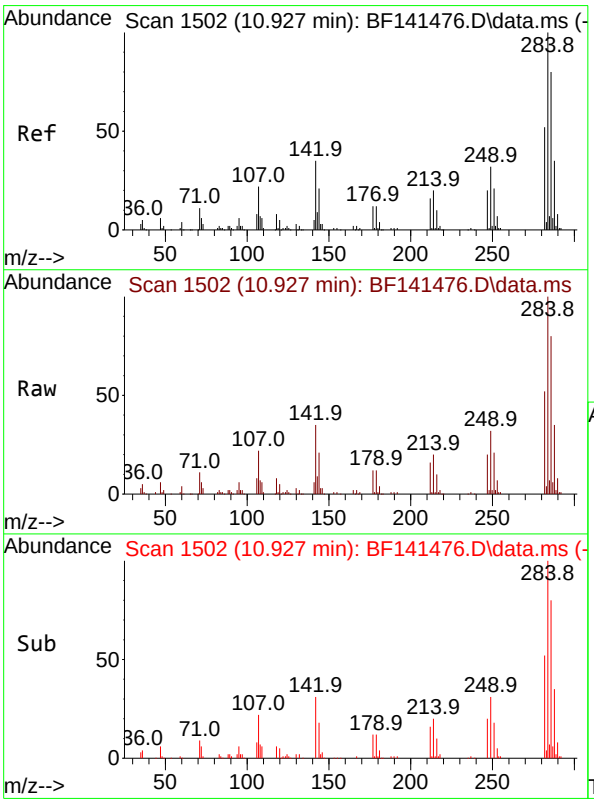
#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

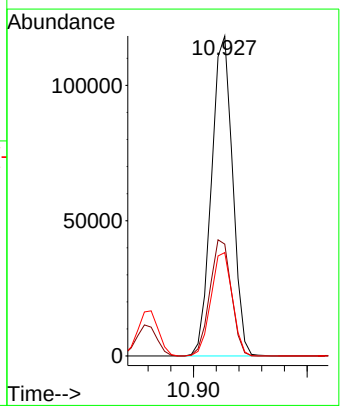


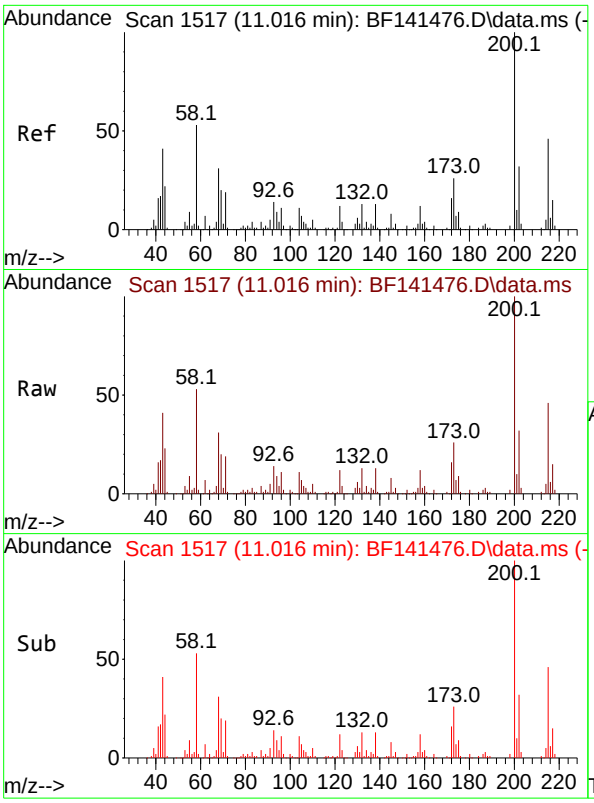


#68
Hexachlorobenzene
Concen: 39.430 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



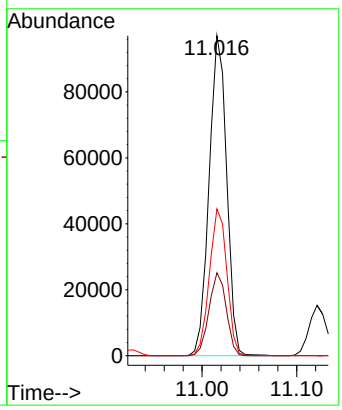


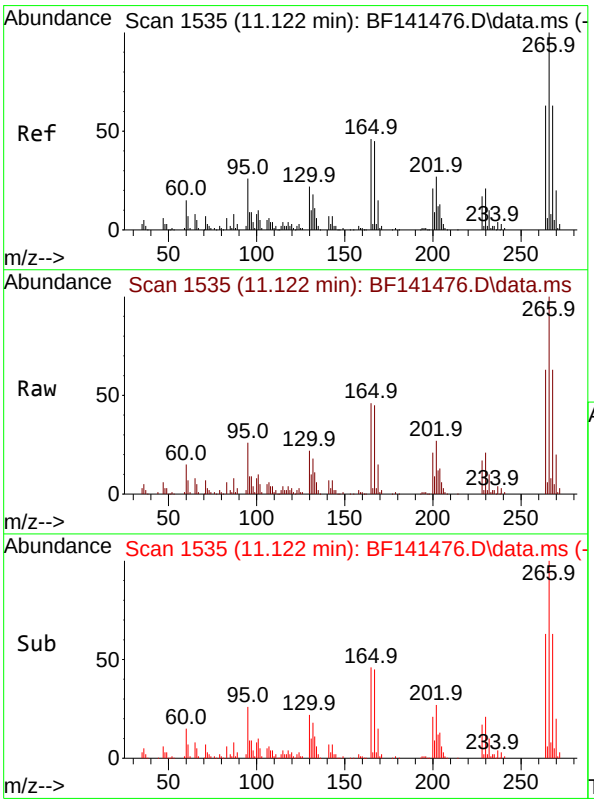
#69
Atrazine
Concen: 38.533 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

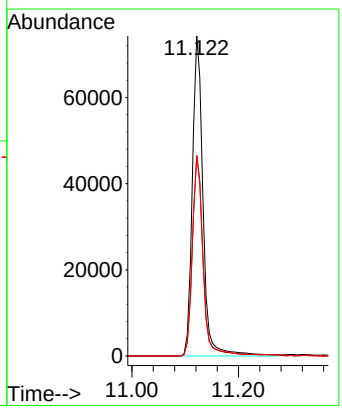


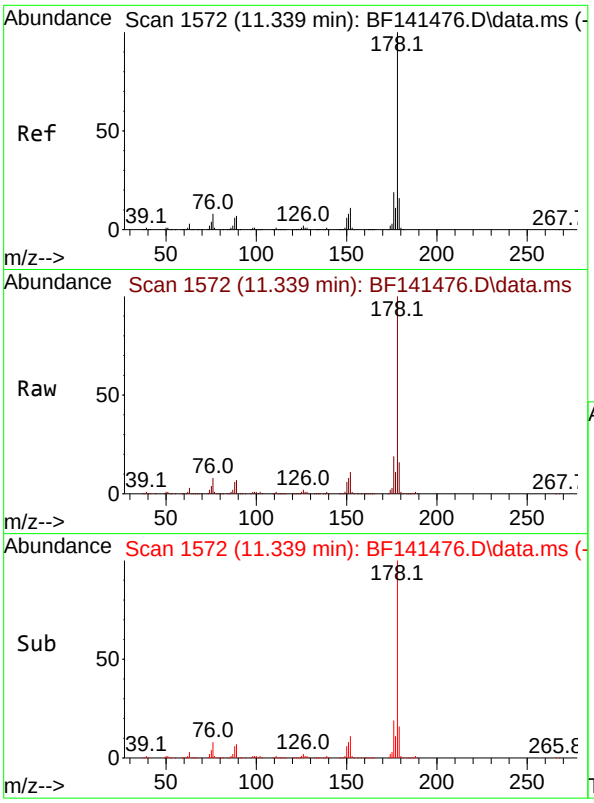


#70
Pentachlorophenol
Concen: 41.930 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



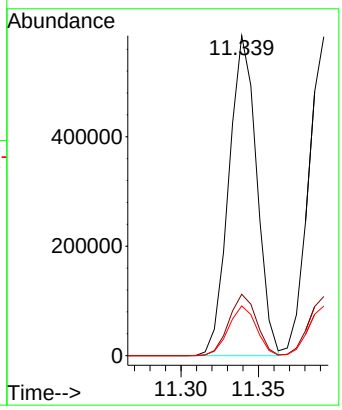


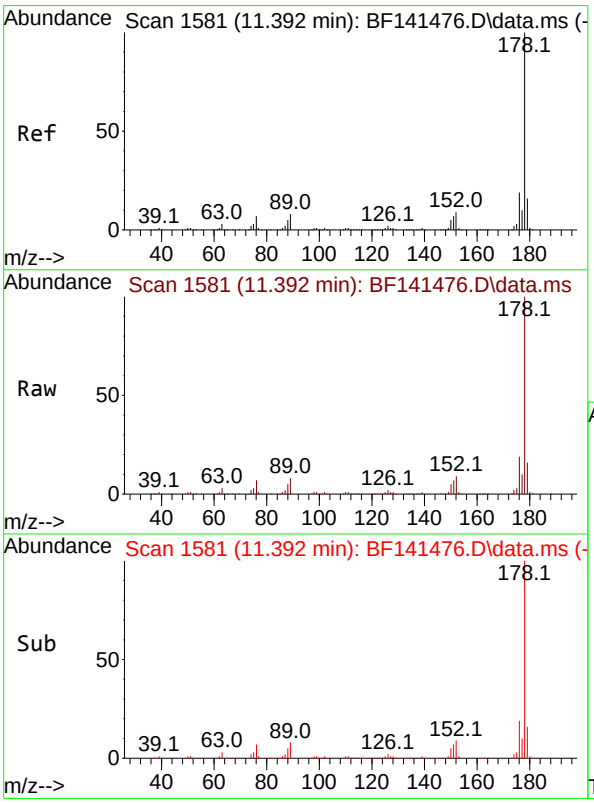
#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

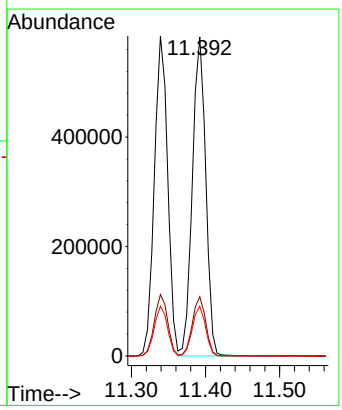


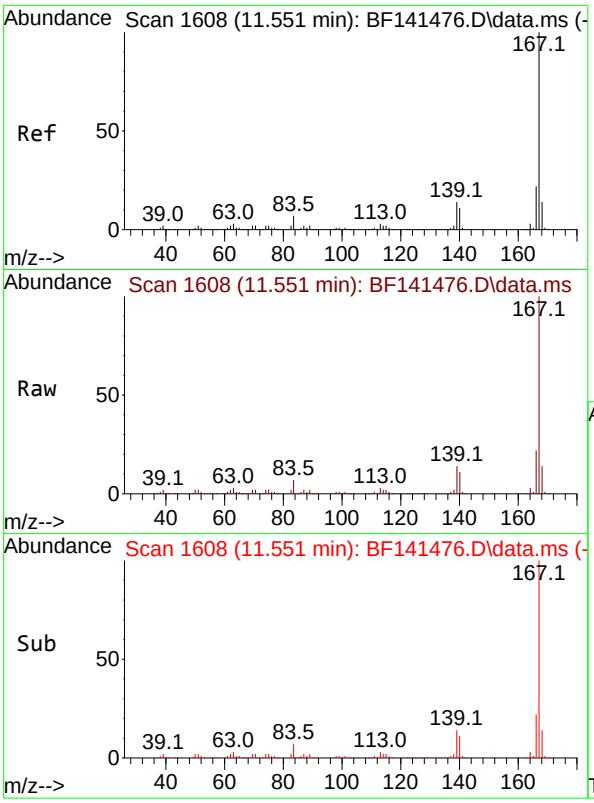


#72
Anthracene
Concen: 39.125 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



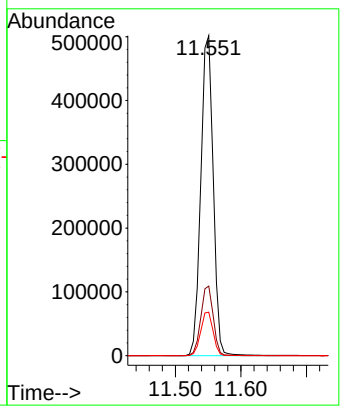


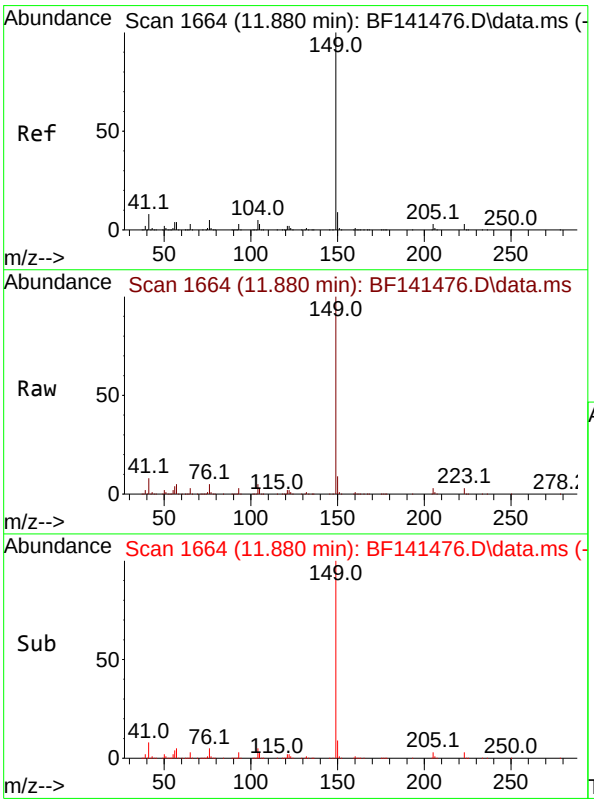
#73
Carbazole
Concen: 39.613 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

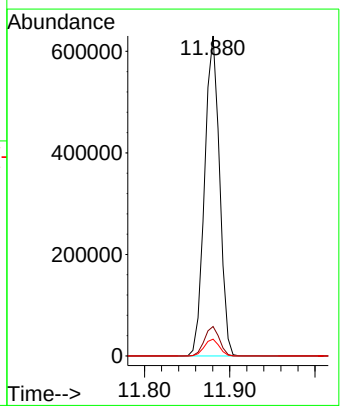


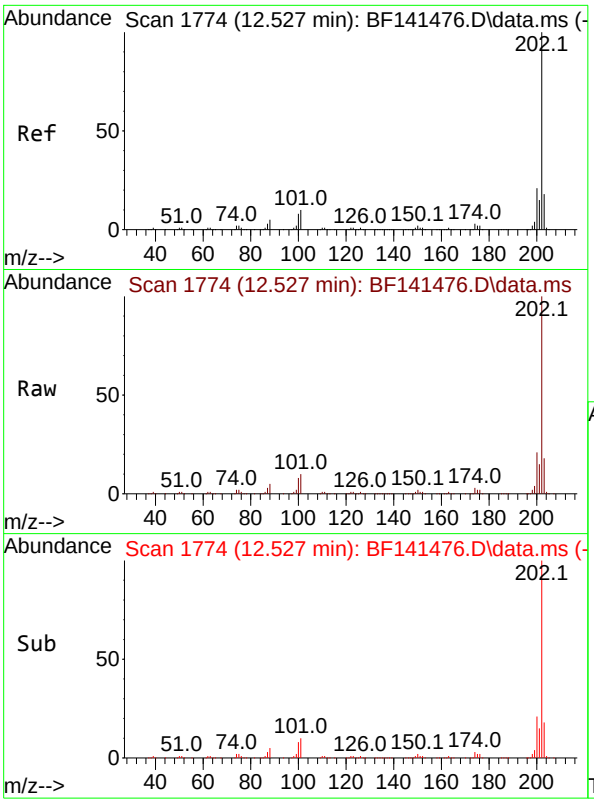


#74
Di-n-butylphthalate
Concen: 39.706 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



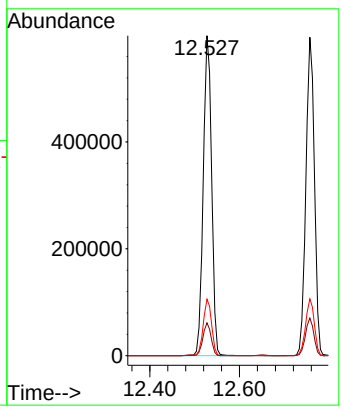


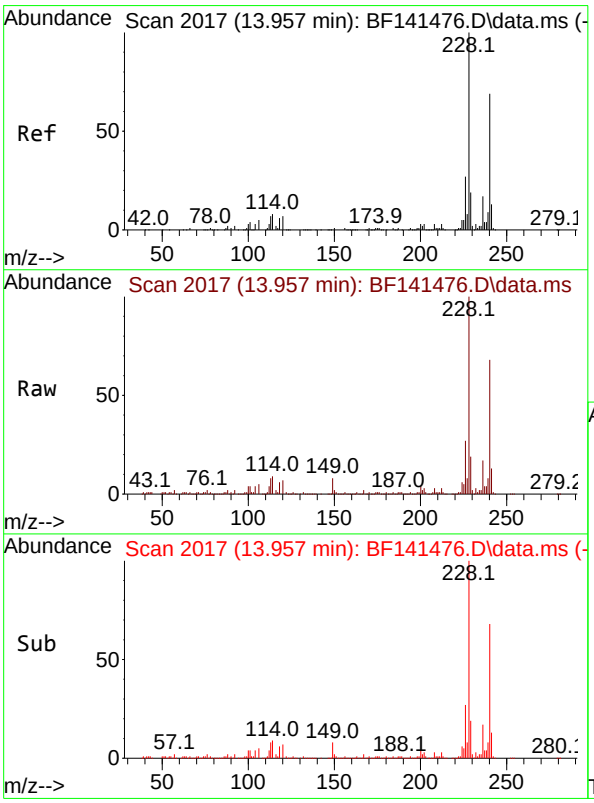
#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

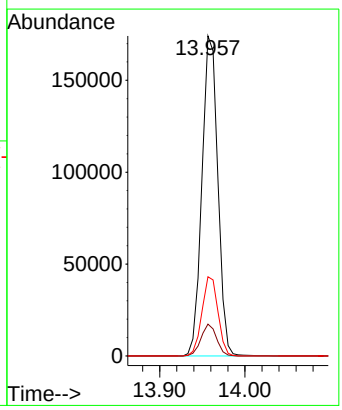


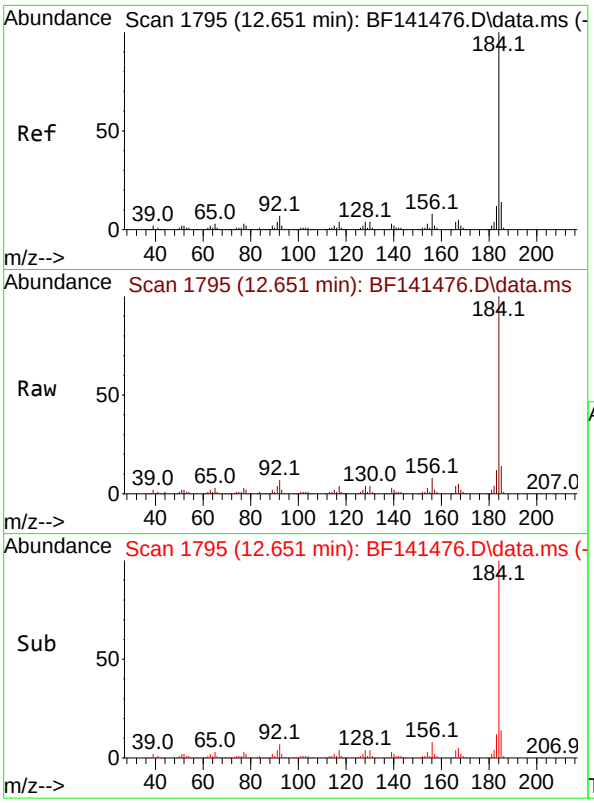


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



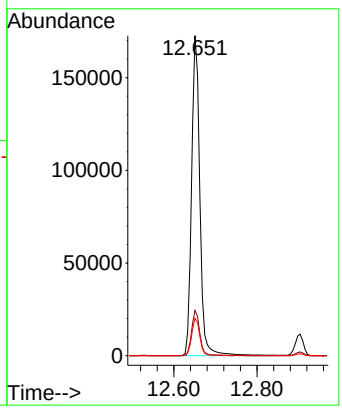


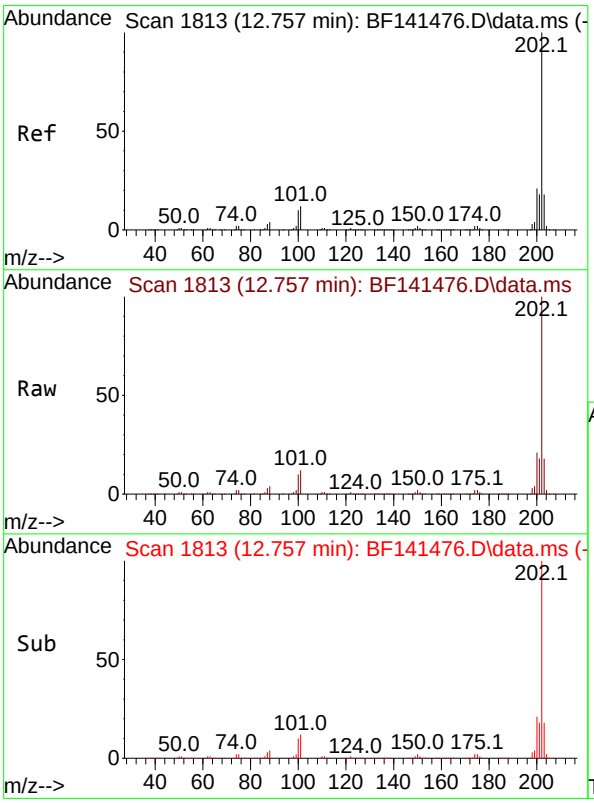
#77
Benzidine
Concen: 47.917 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

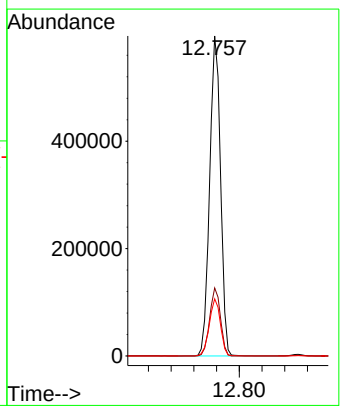


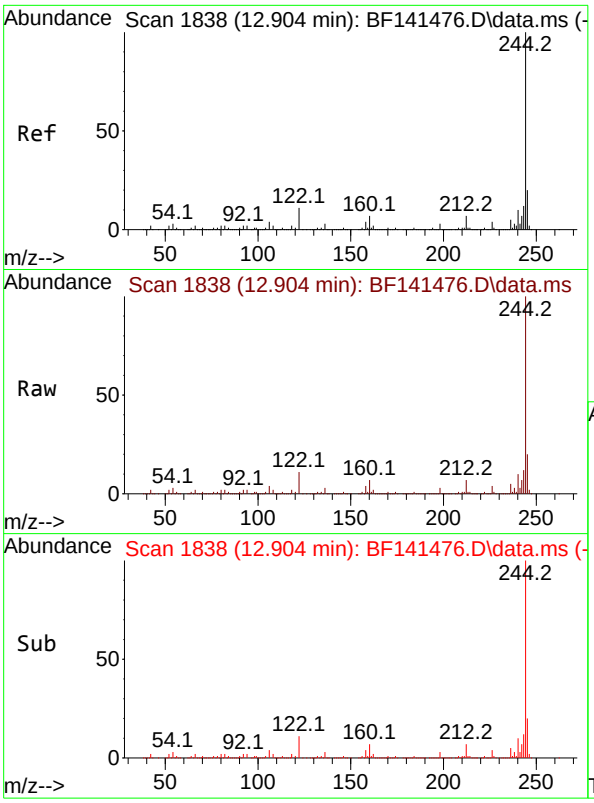


#78
Pyrene
Concen: 41.002 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



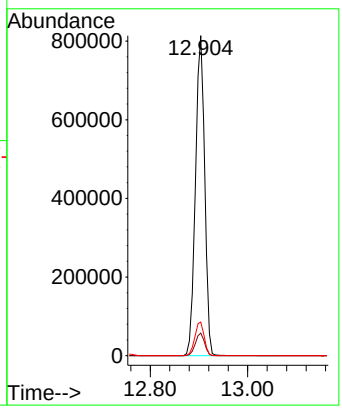


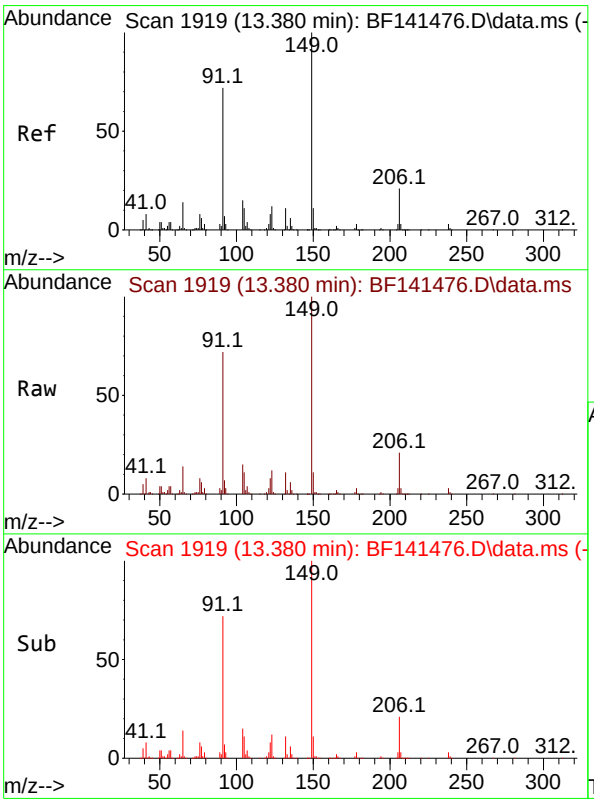
#79
Terphenyl-d14
Concen: 80.879 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

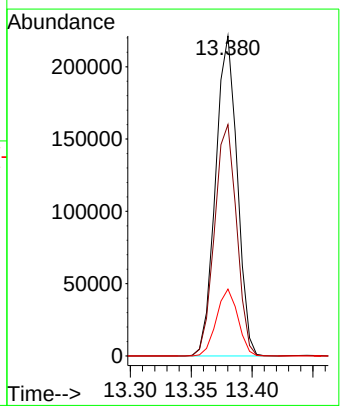


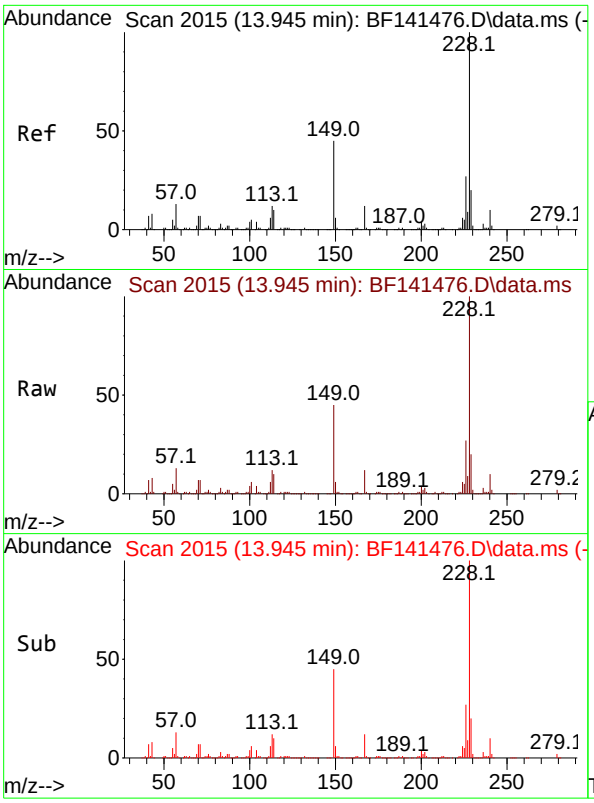


#80
Butylbenzylphthalate
Concen: 41.323 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



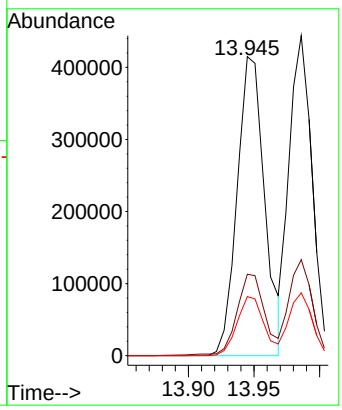


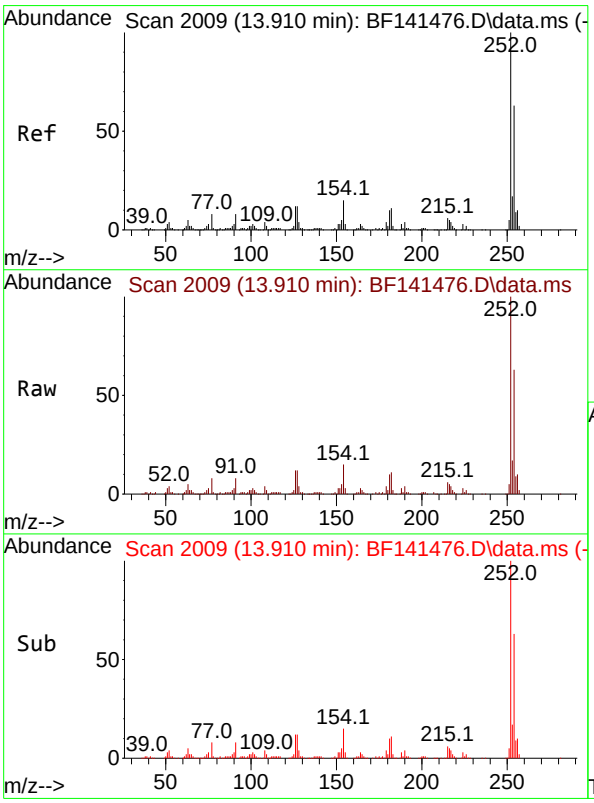
#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

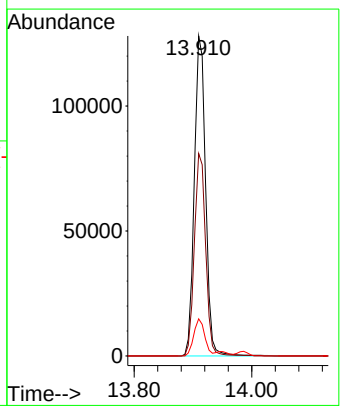


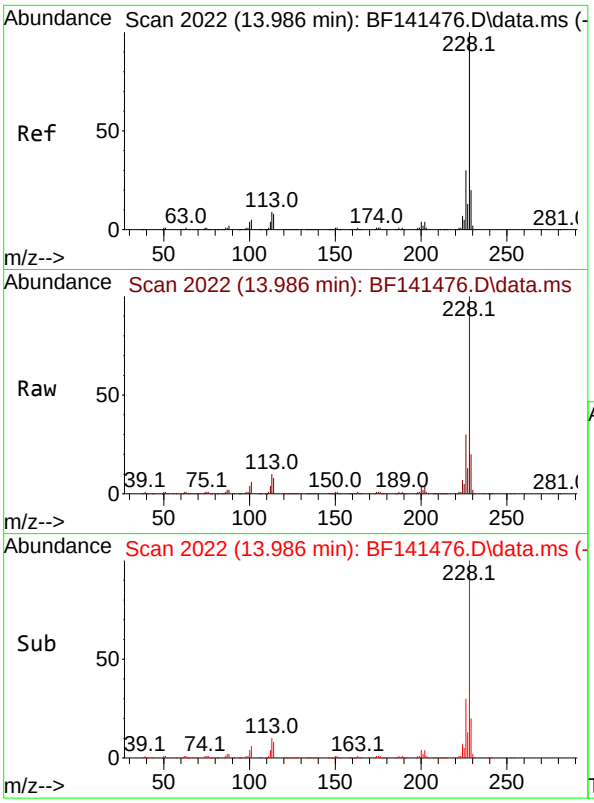


#82
3,3'-Dichlorobenzidine
Concen: 39.640 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



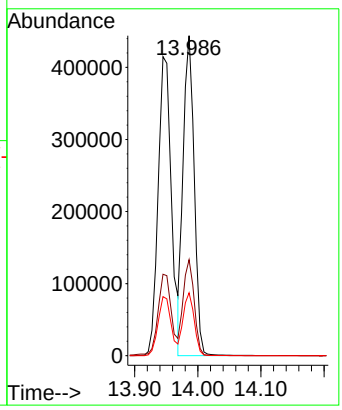


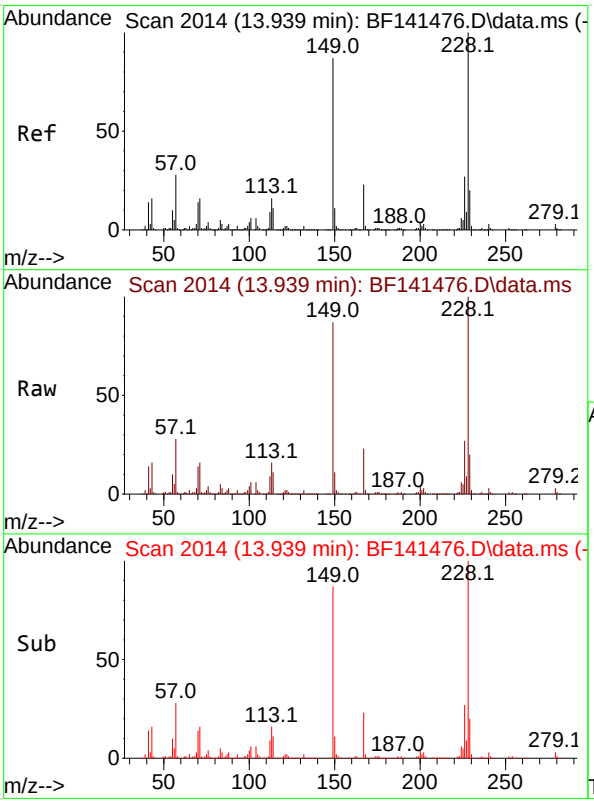
#83
Chrysene
Concen: 39.121 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

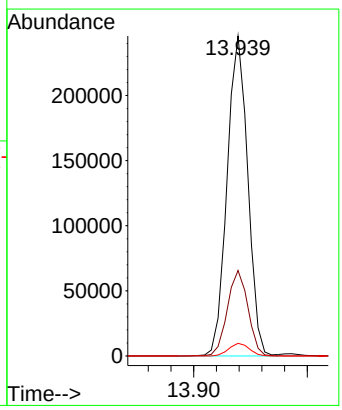


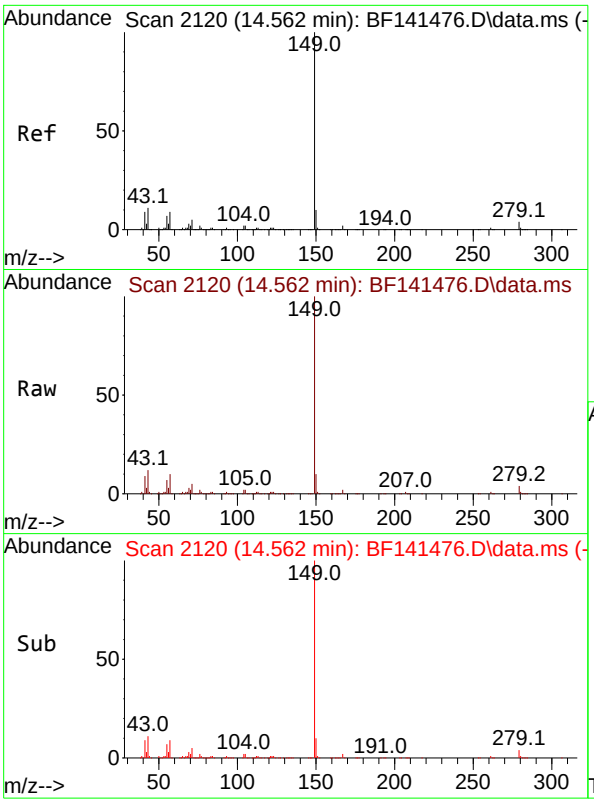


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.438 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



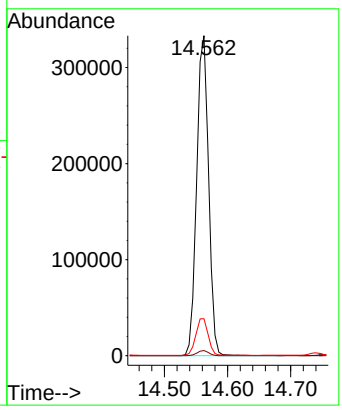


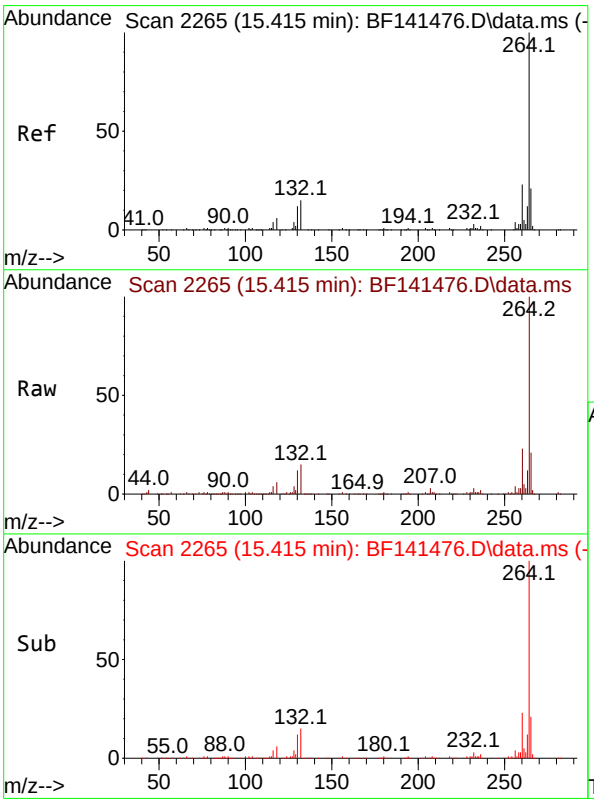
#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

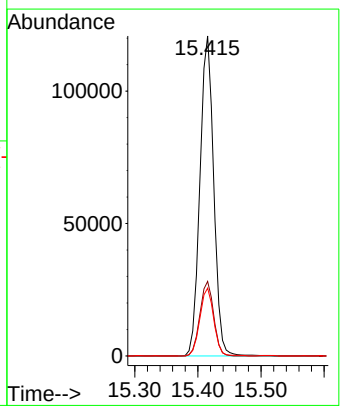


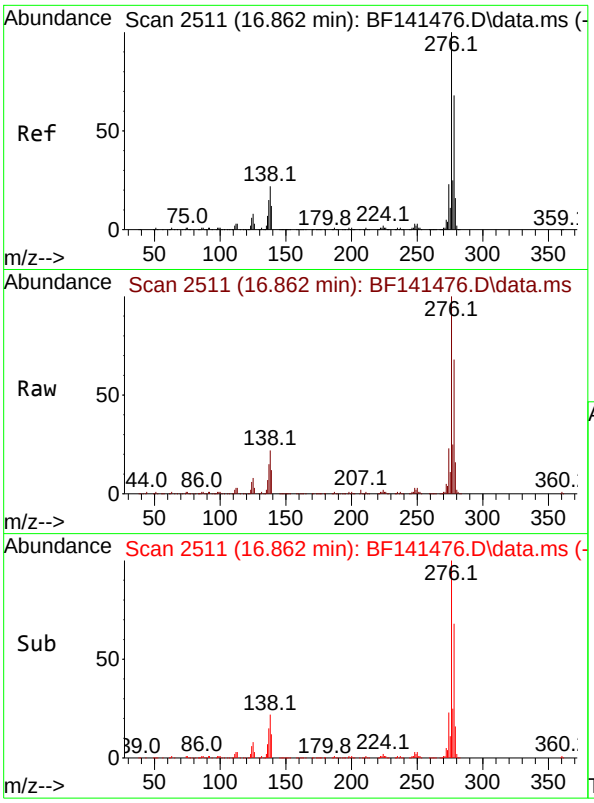


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



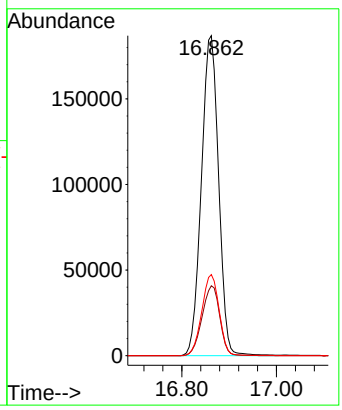


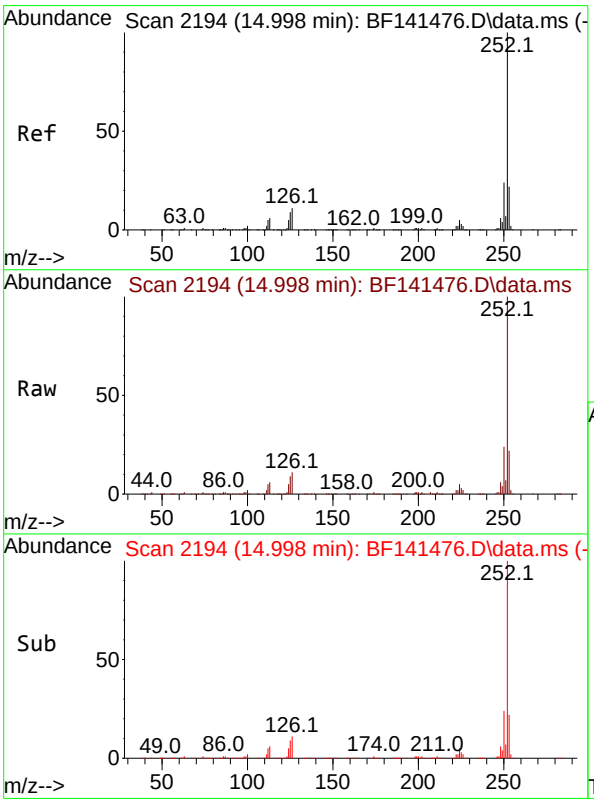
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.699 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

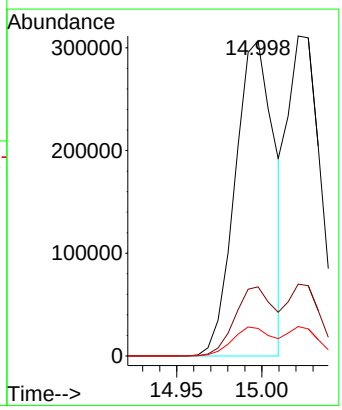


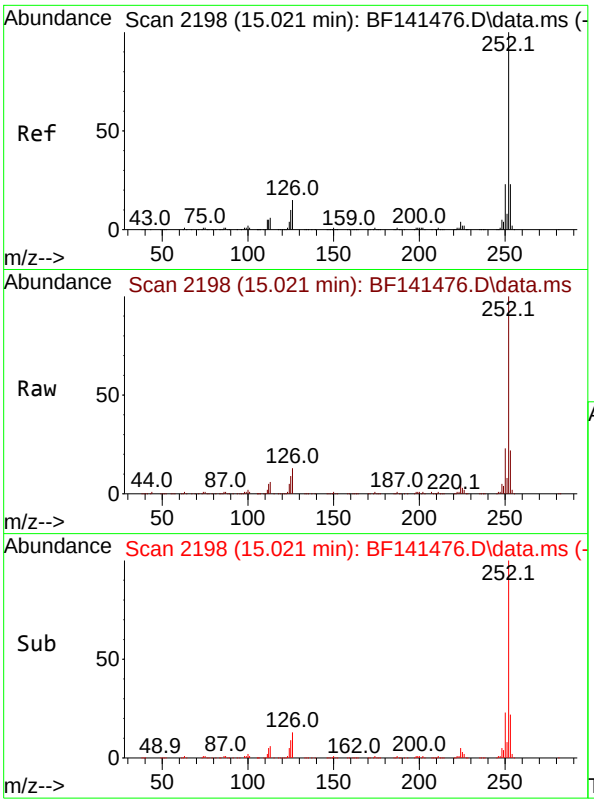


#88
Benzo(b)fluoranthene
Concen: 39.783 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



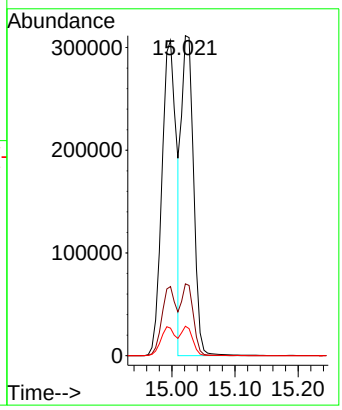


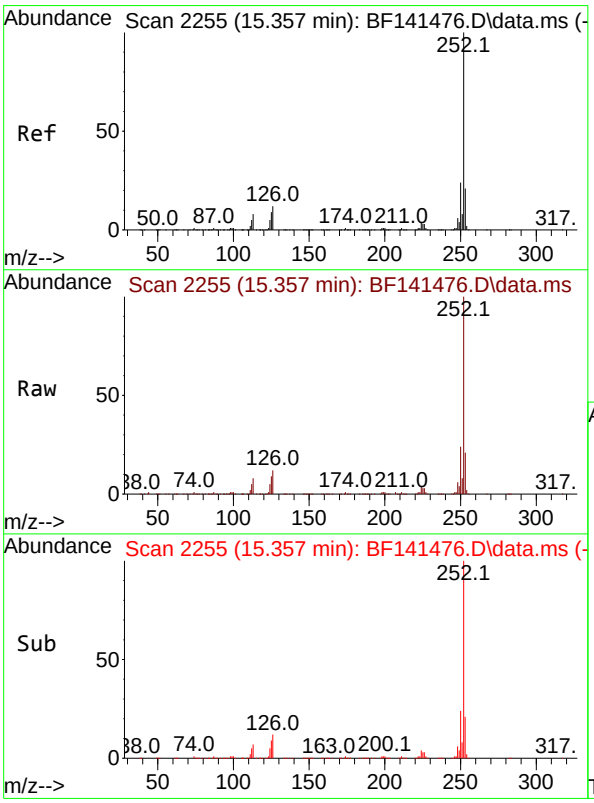
#89
Benzo(k)fluoranthene
Concen: 39.836 ng
RT: 15.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

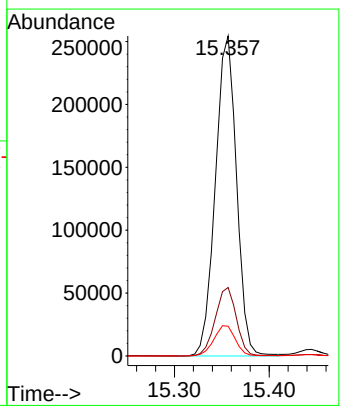


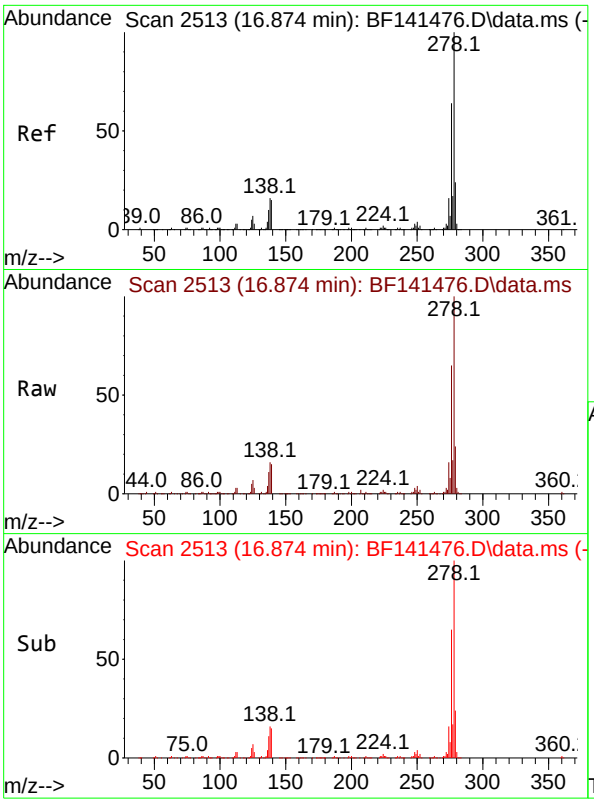


#90
Benzo(a)pyrene
Concen: 39.767 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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



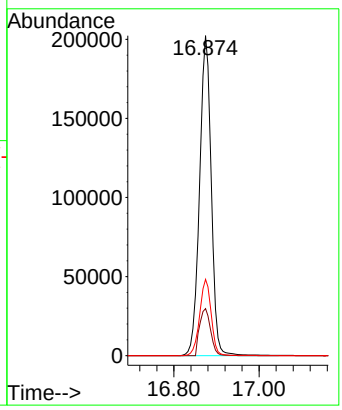


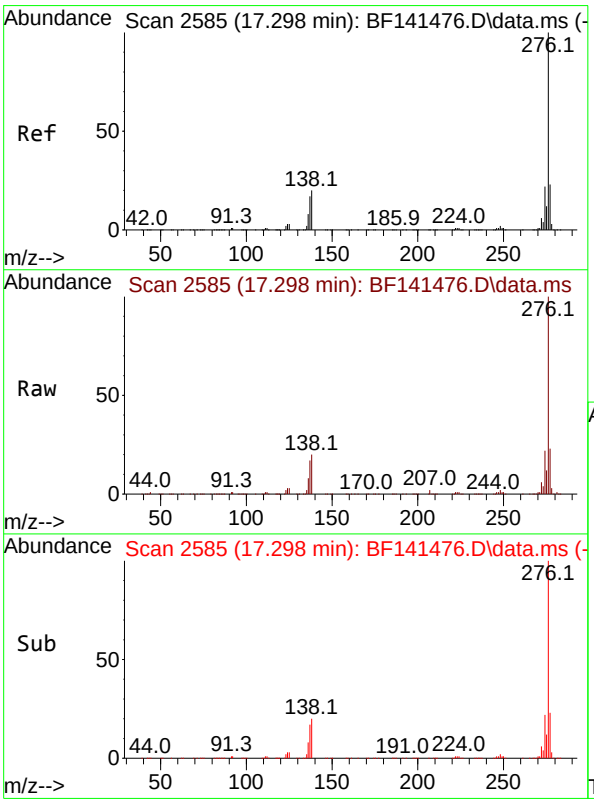
#91
Dibenzo(a,h)anthracene
Concen: 42.001 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

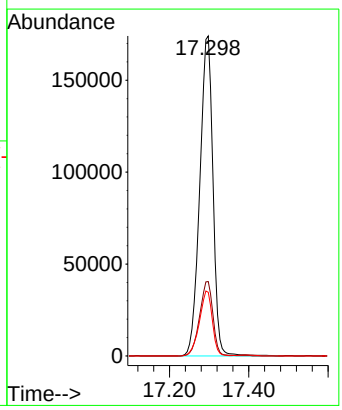




#92
Benzo(g,h,i)perylene
Concen: 41.992 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

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

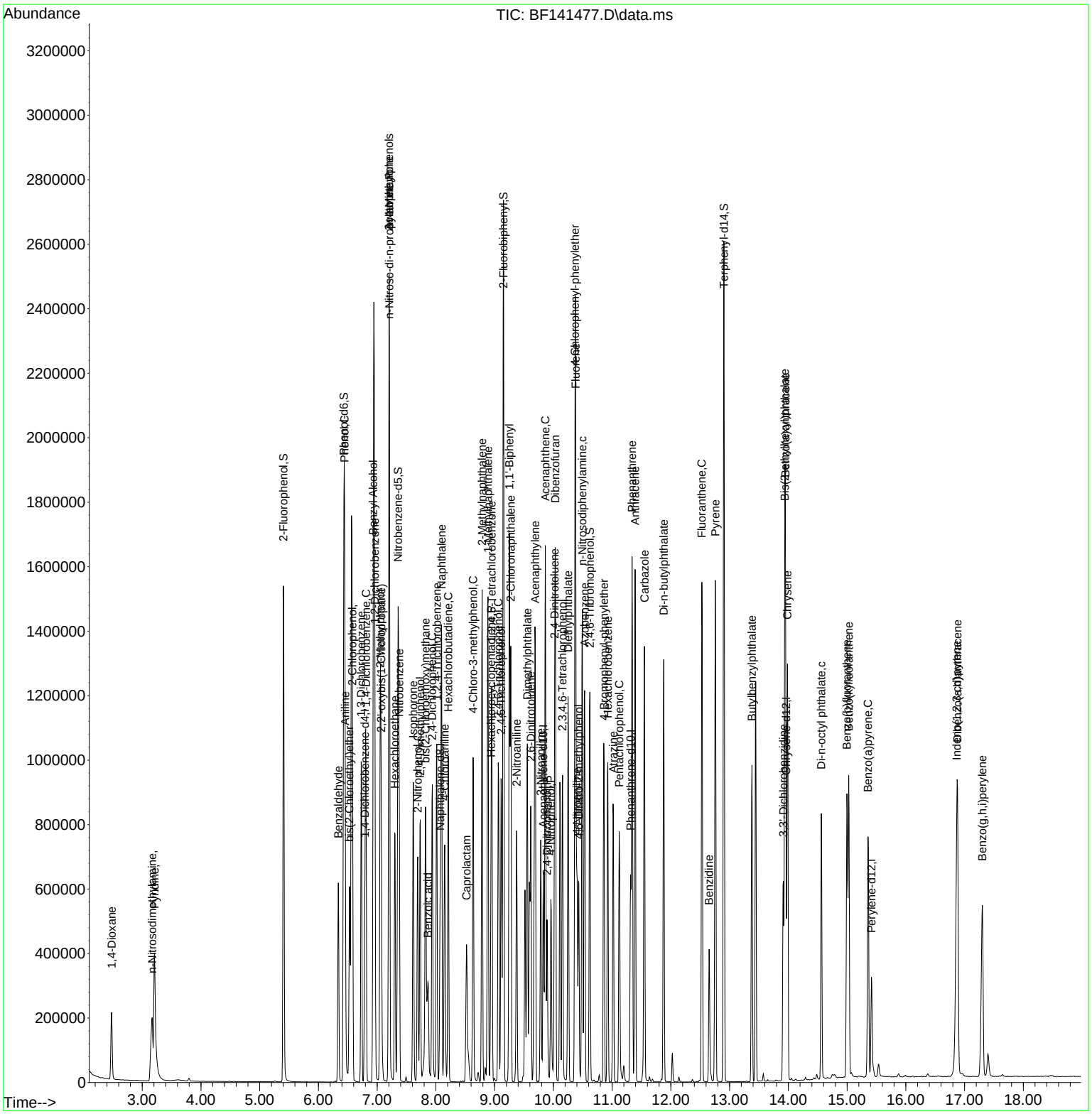
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	187902	48.667	ng	96
46) 1,1'-Biphenyl	9.251	154	722373	48.905	ng	100
47) 2-Chloronaphthalene	9.275	162	530577	48.576	ng	100
48) 2-Nitroaniline	9.375	65	181860	49.612	ng	99
49) Acenaphthylene	9.692	152	790730	48.672	ng	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

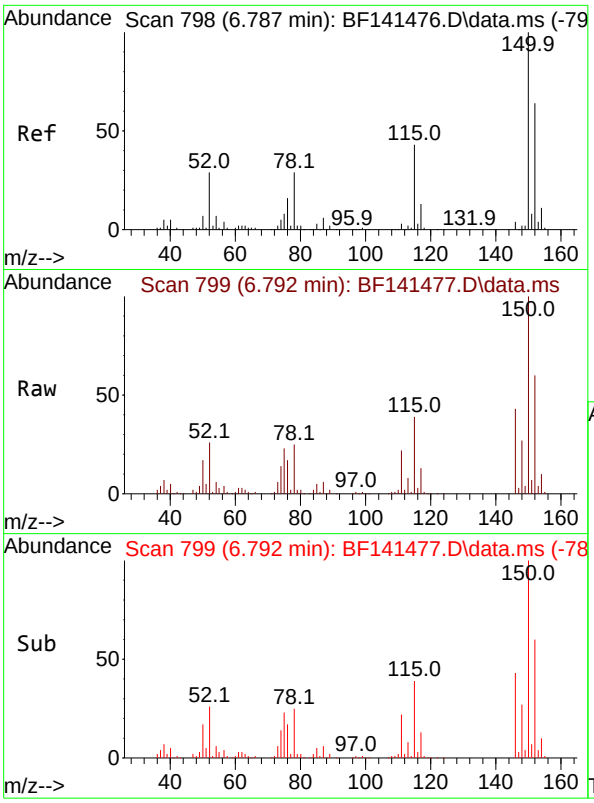
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



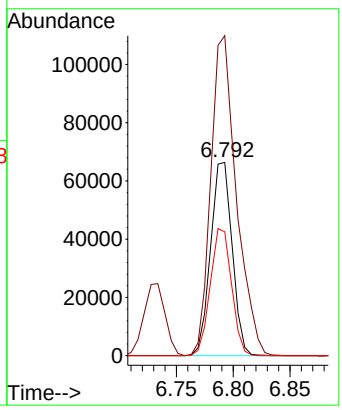


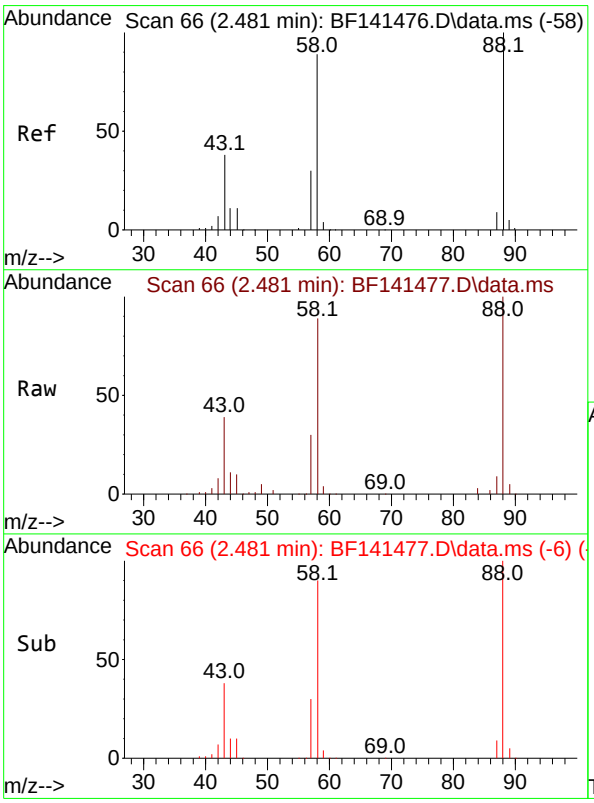
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

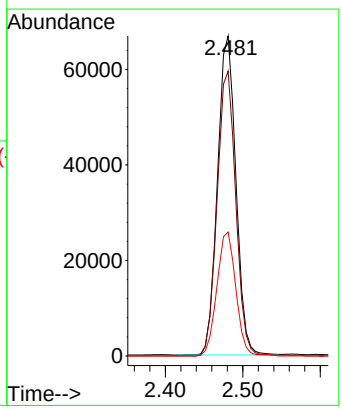


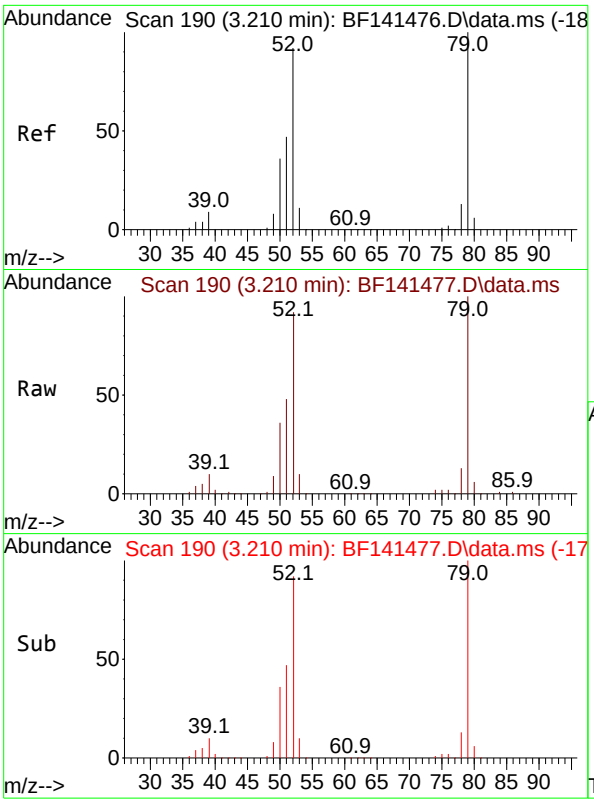


#2
1,4-Dioxane
Concen: 48.882 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



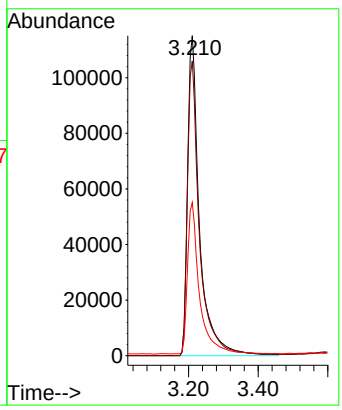


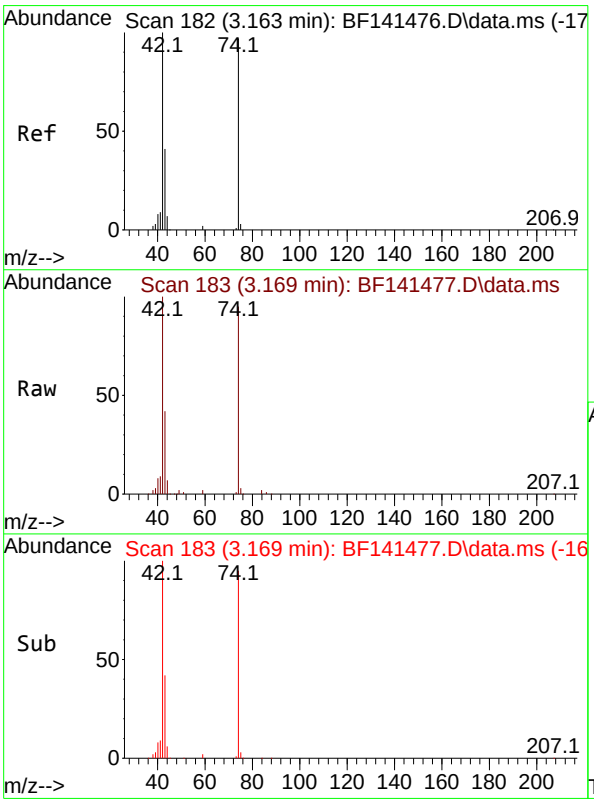
#3
Pyridine
Concen: 51.419 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

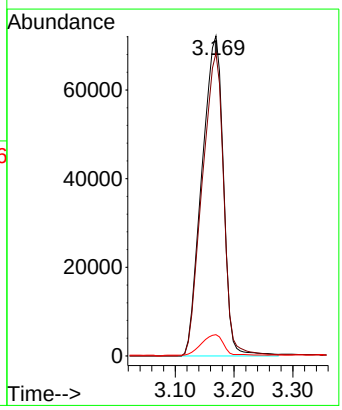


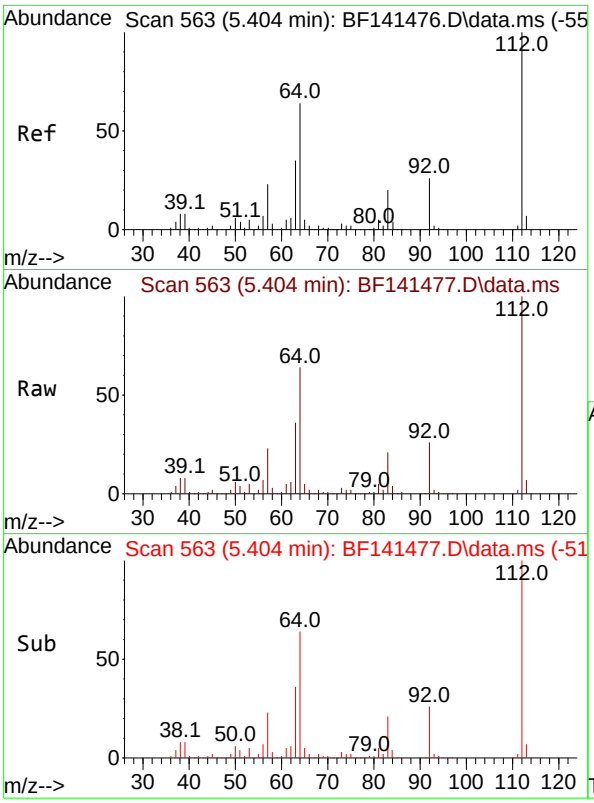


#4
n-Nitrosodimethylamine
Concen: 51.575 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.018 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



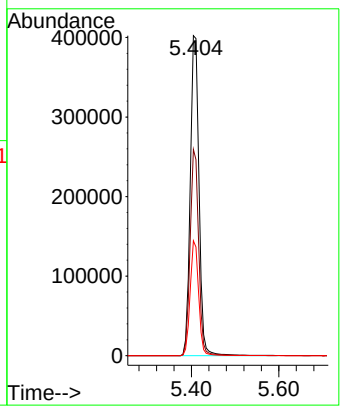


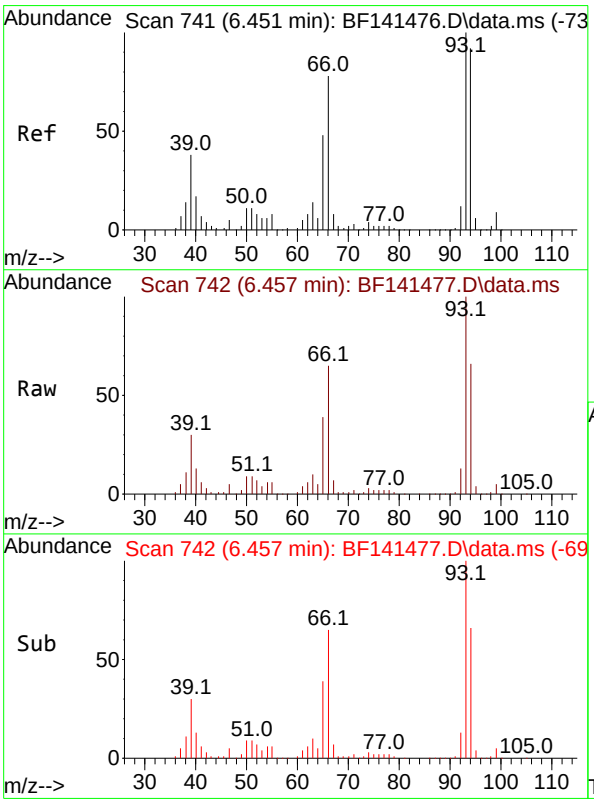
#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

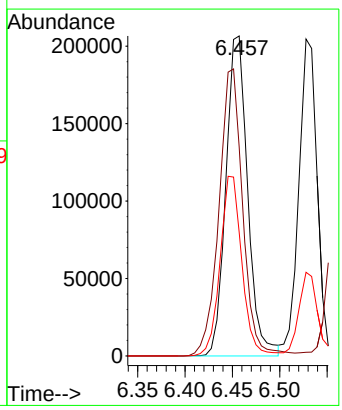


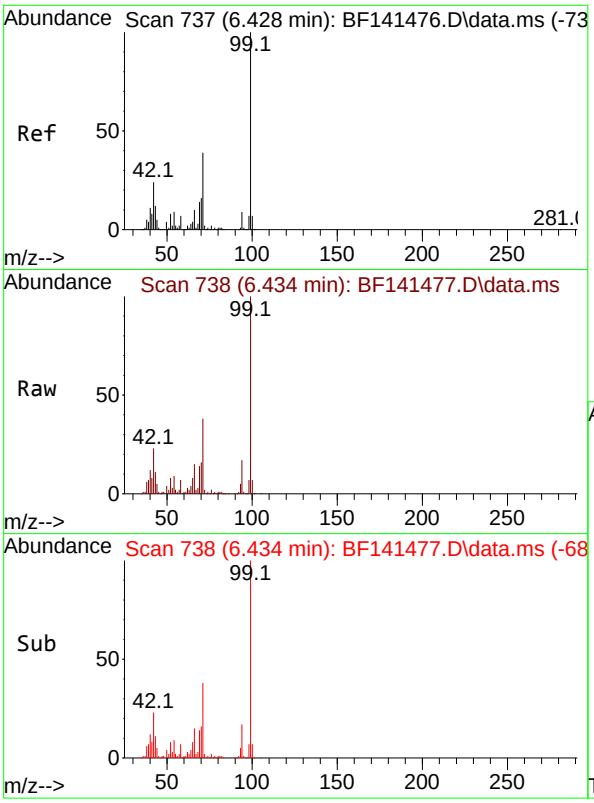


#6
Aniline
Concen: 49.774 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



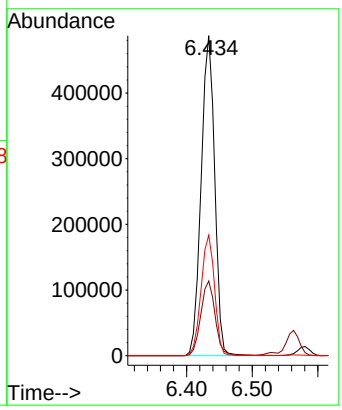


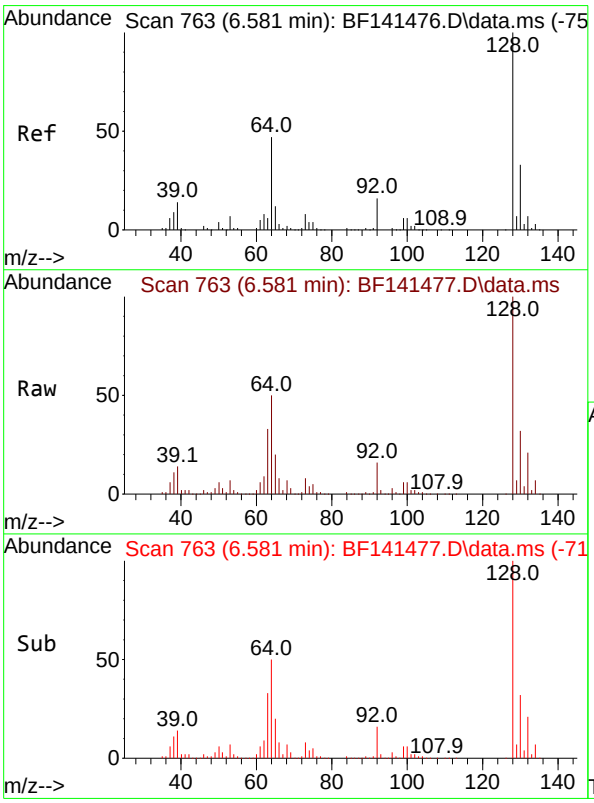
#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

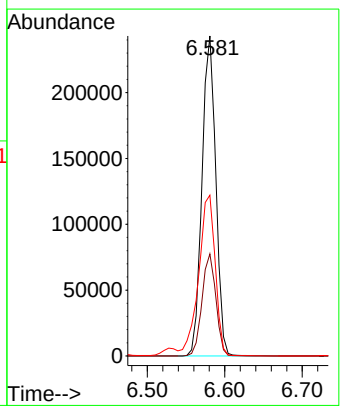


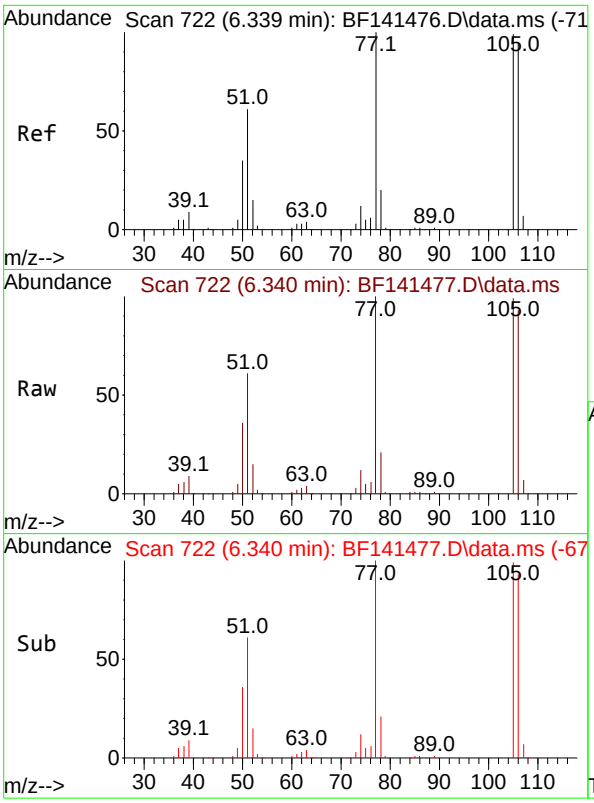


#8
2-Chlorophenol
Concen: 49.604 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



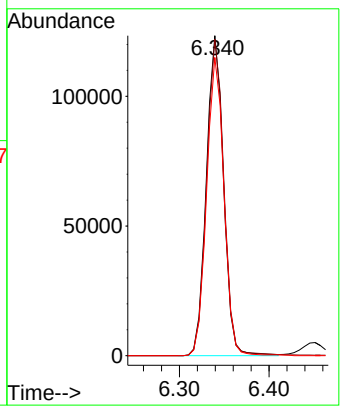


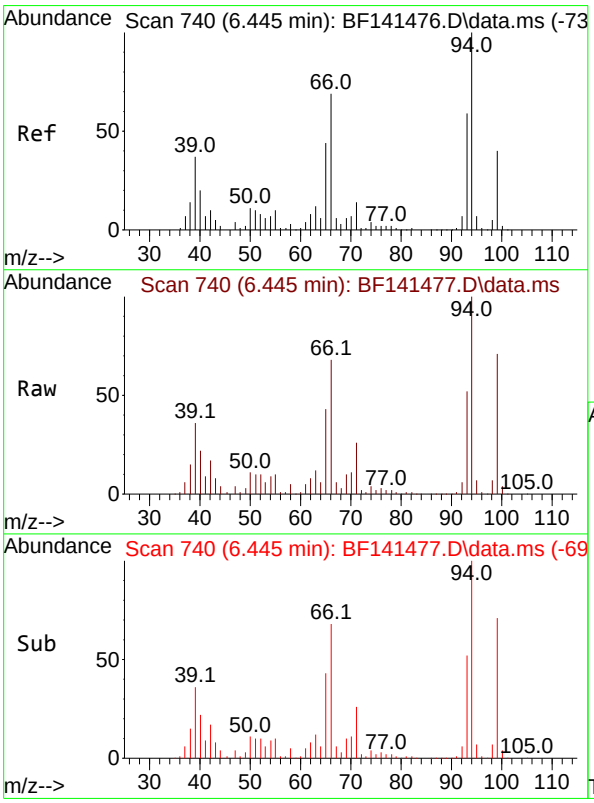
#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

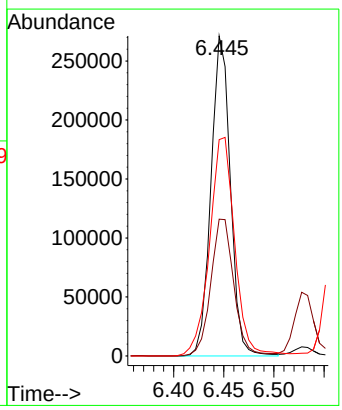


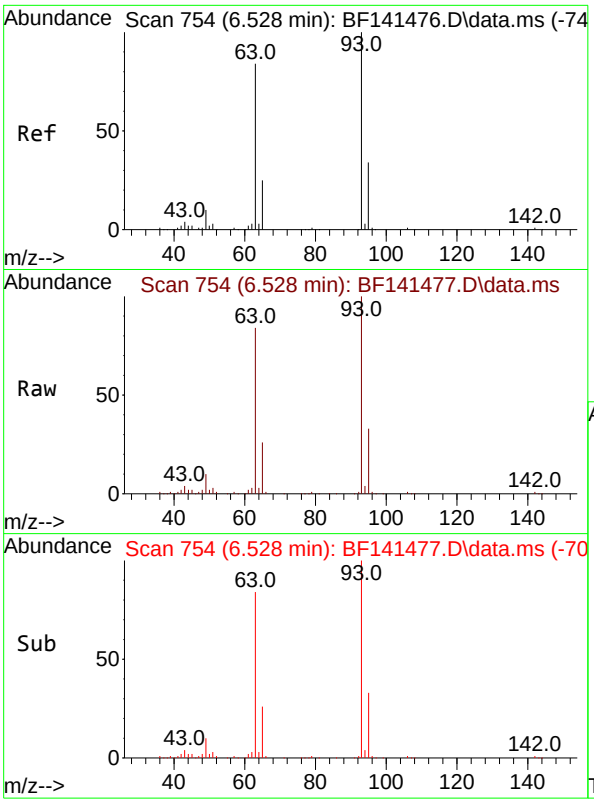


#10
Phenol
Concen: 49.425 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



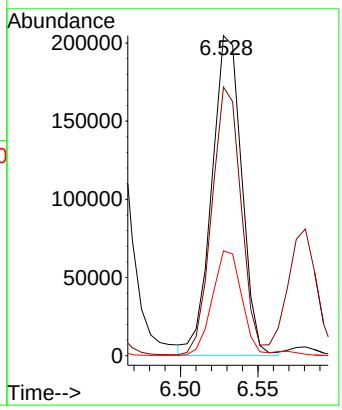


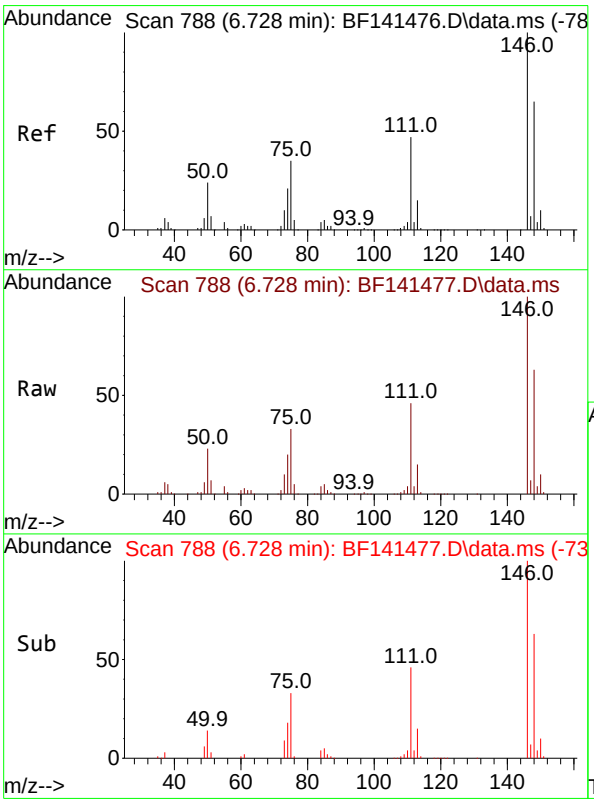
#11
bis(2-Chloroethyl)ether
Concen: 49.643 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

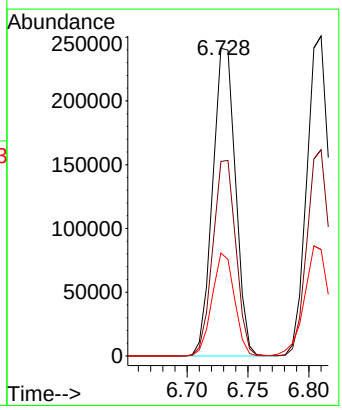


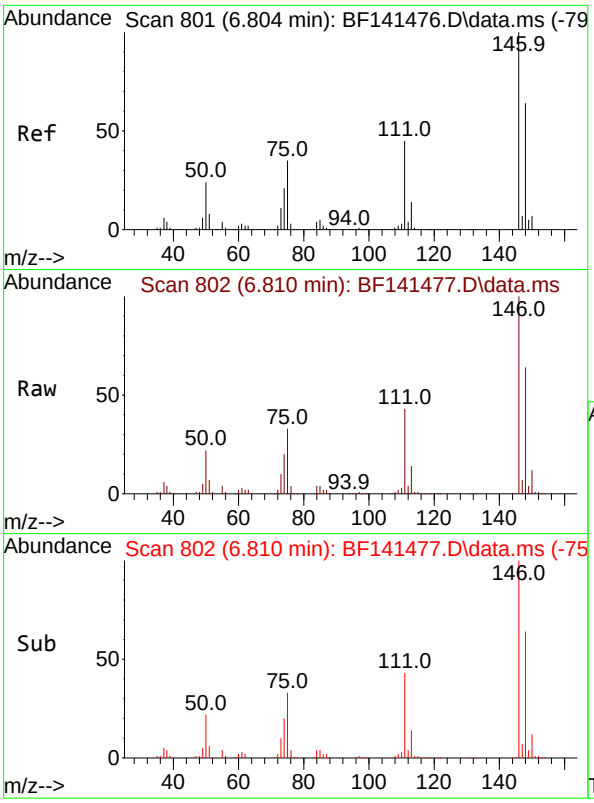


#12
1,3-Dichlorobenzene
Concen: 49.506 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



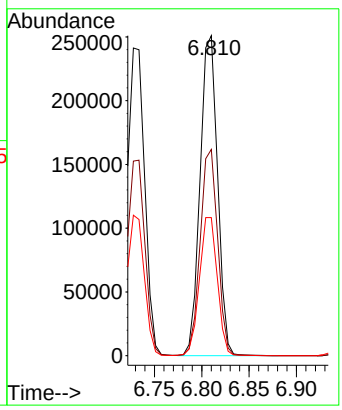


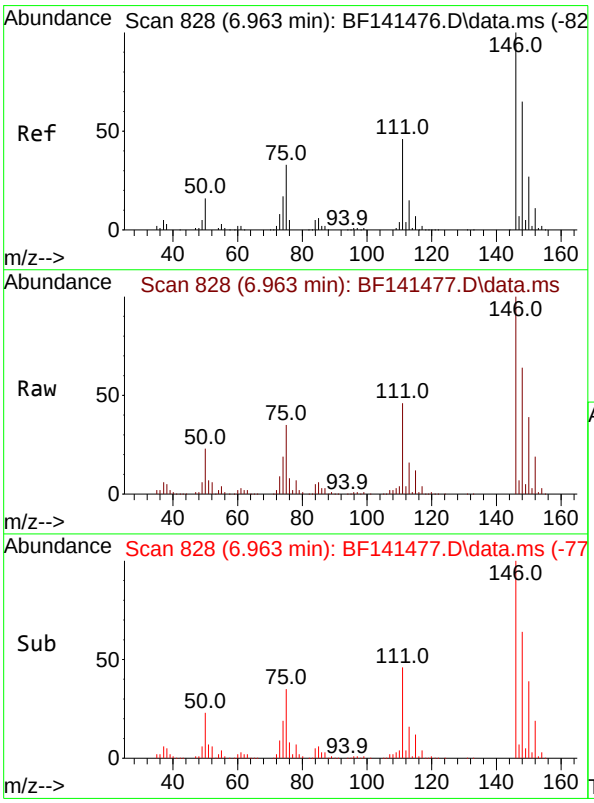
#13
1,4-Dichlorobenzene
Concen: 49.264 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

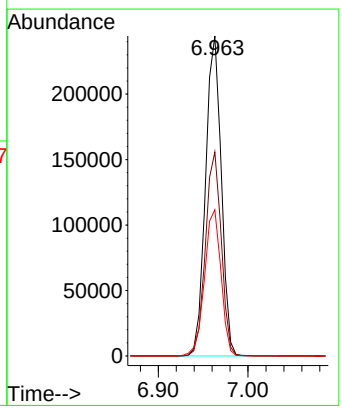


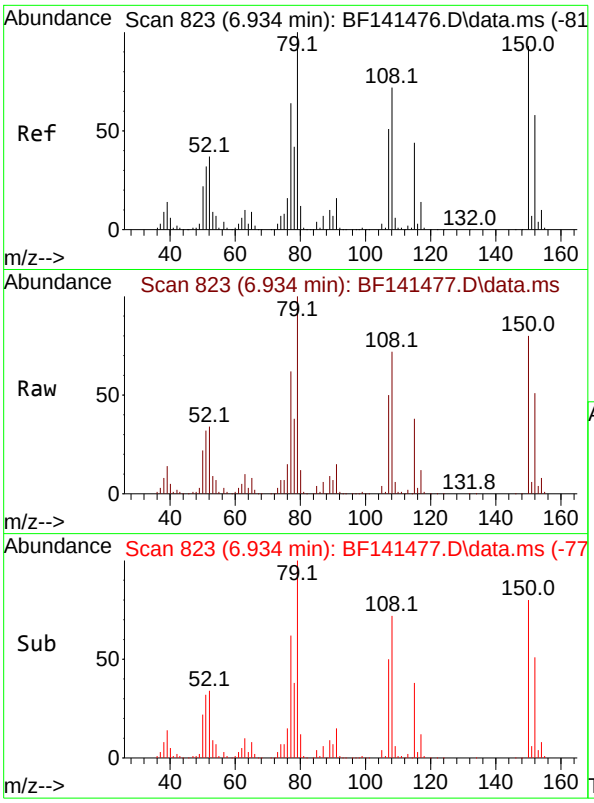


#14
1,2-Dichlorobenzene
Concen: 48.964 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



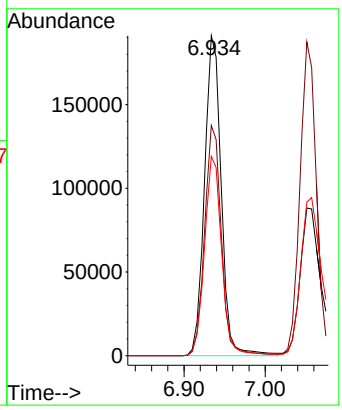


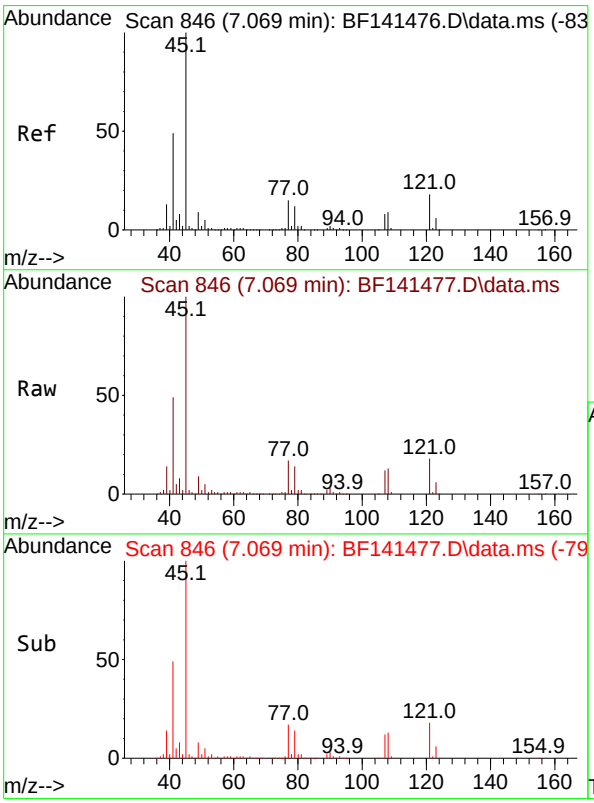
#15
Benzyl Alcohol
Concen: 50.451 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

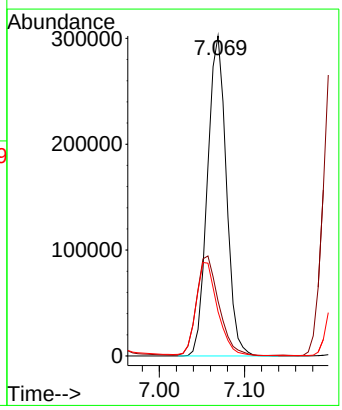


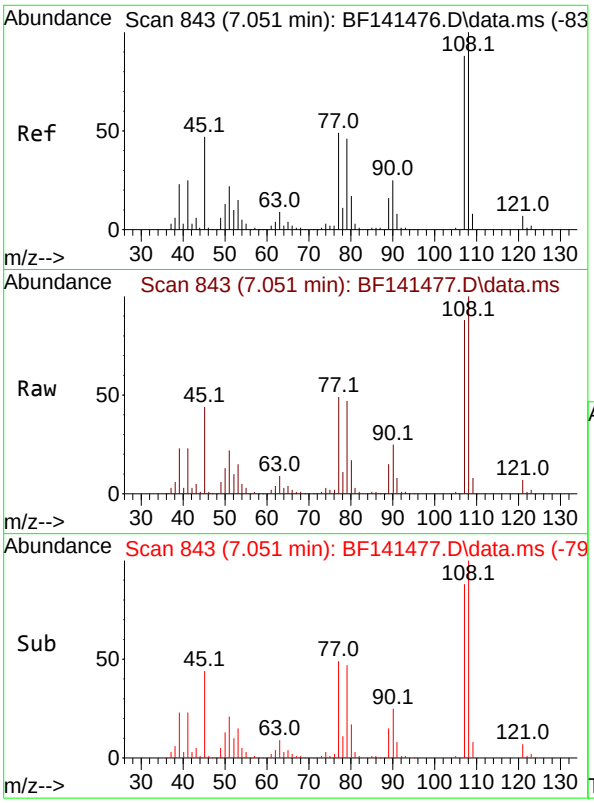


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.091 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



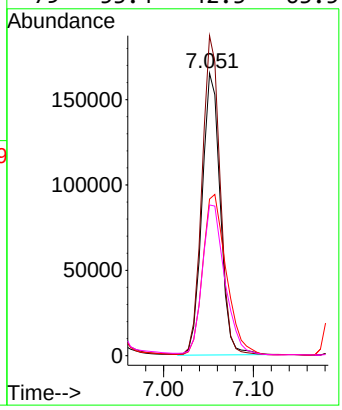


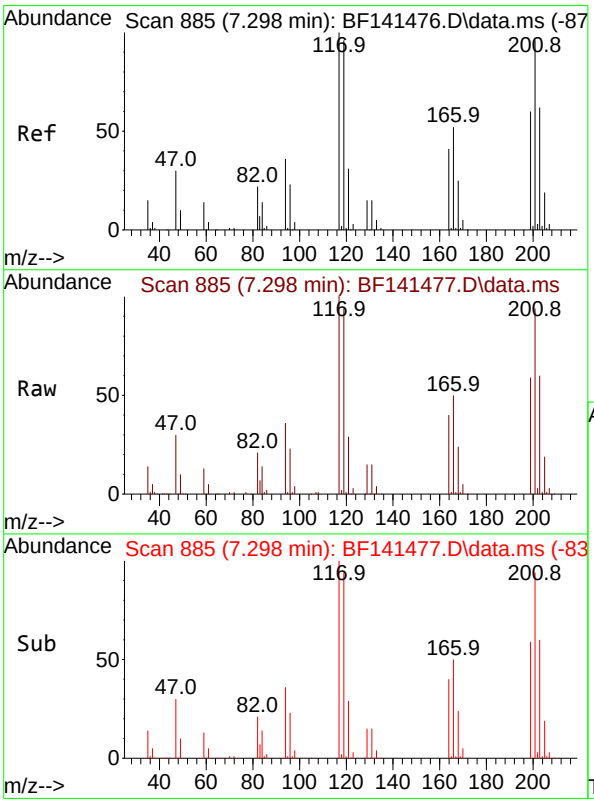
#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

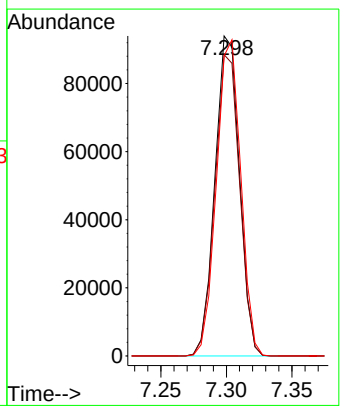


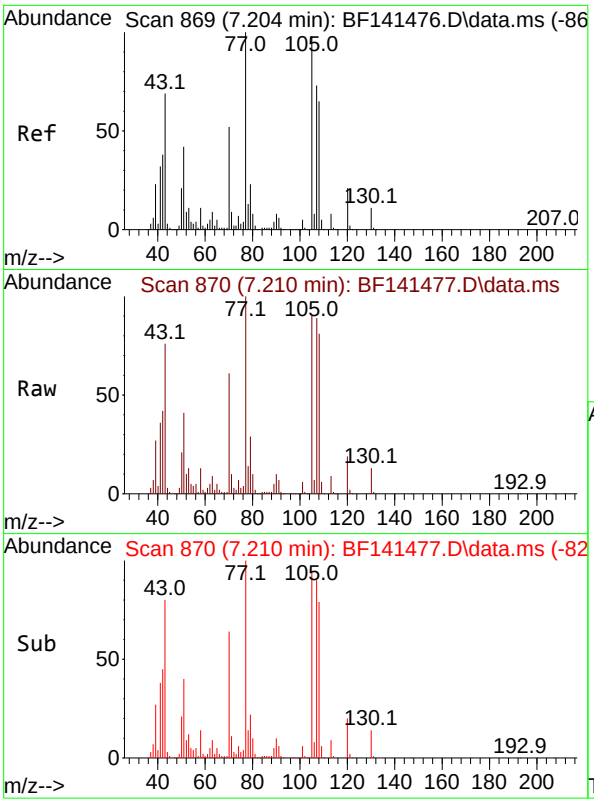


#18
Hexachloroethane
Concen: 50.498 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



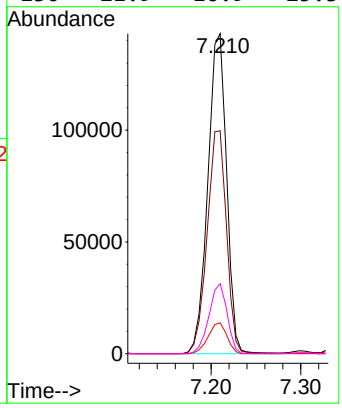


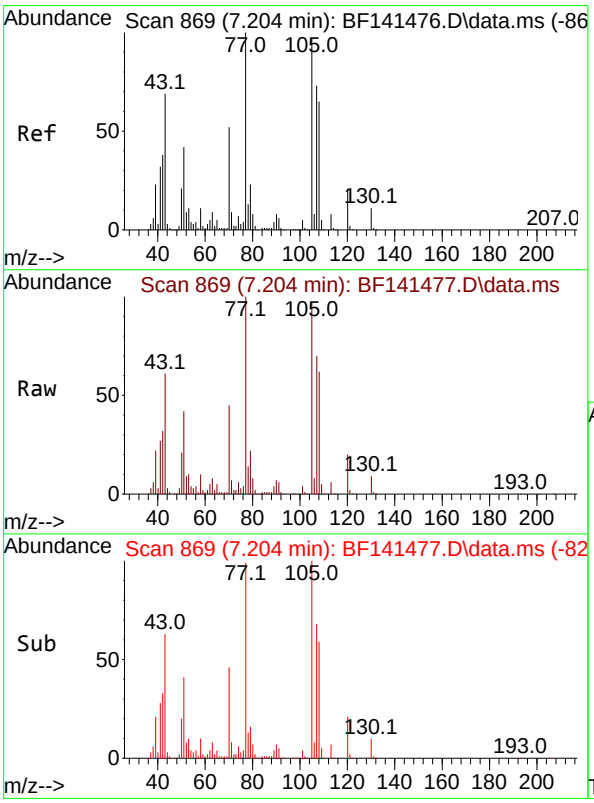
#19
n-Nitroso-di-n-propylamine
Concen: 49.072 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

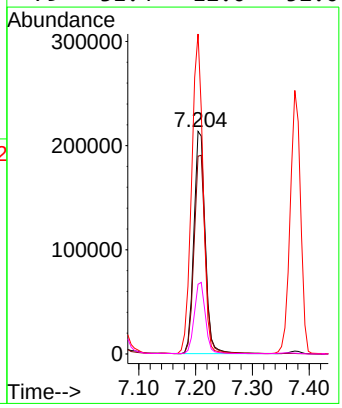


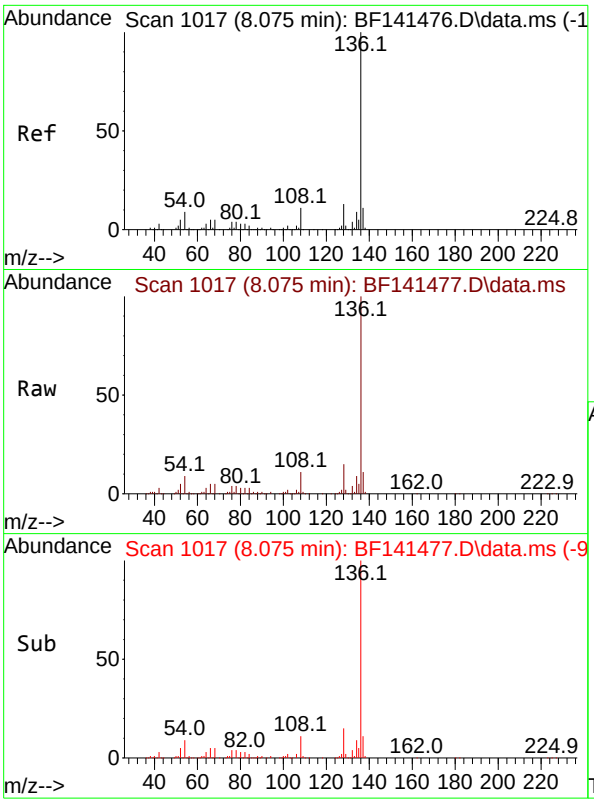


#20
3+4-Methylphenols
Concen: 49.011 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



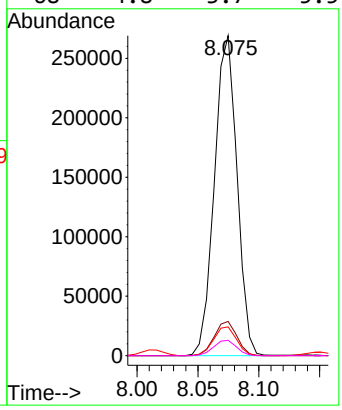


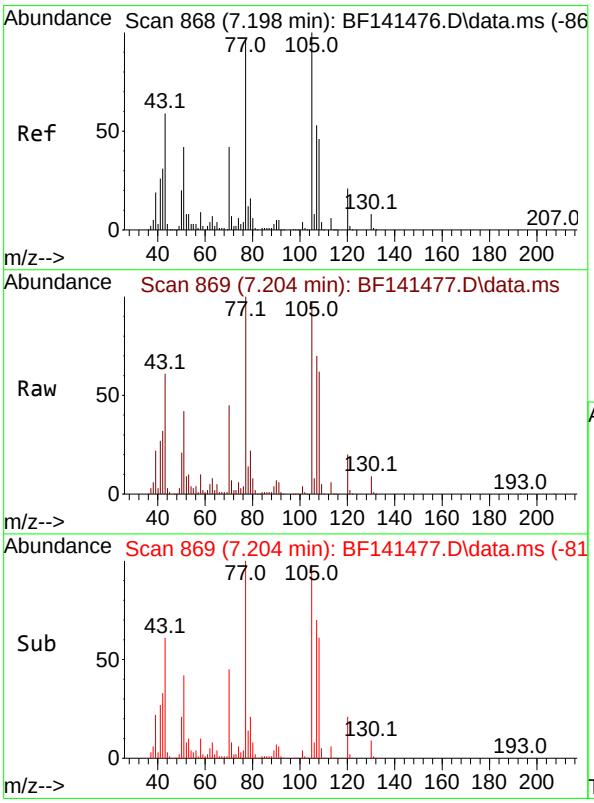
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

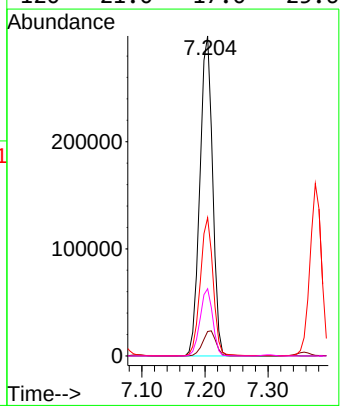


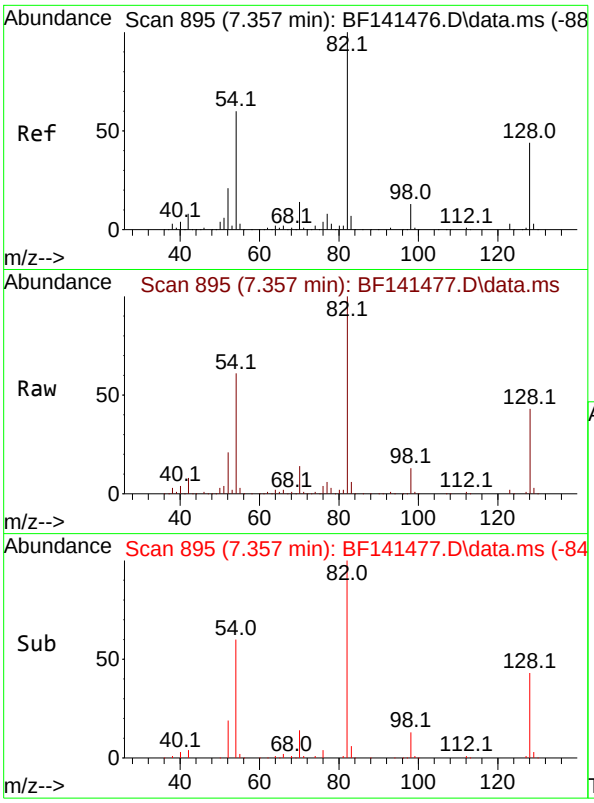


#22
Acetophenone
Concen: 48.588 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



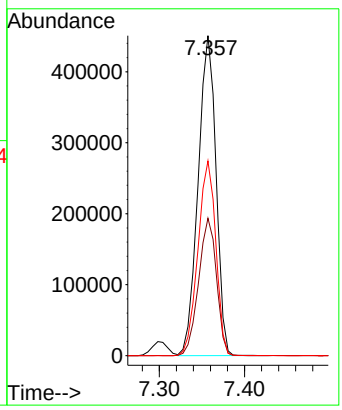


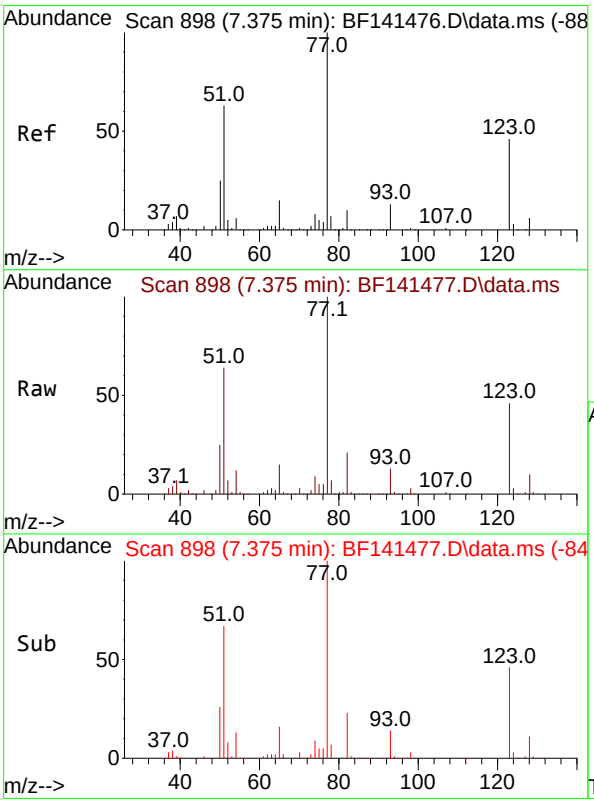
#23
Nitrobenzene-d5
Concen: 98.686 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

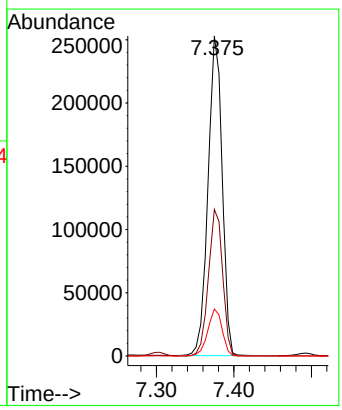


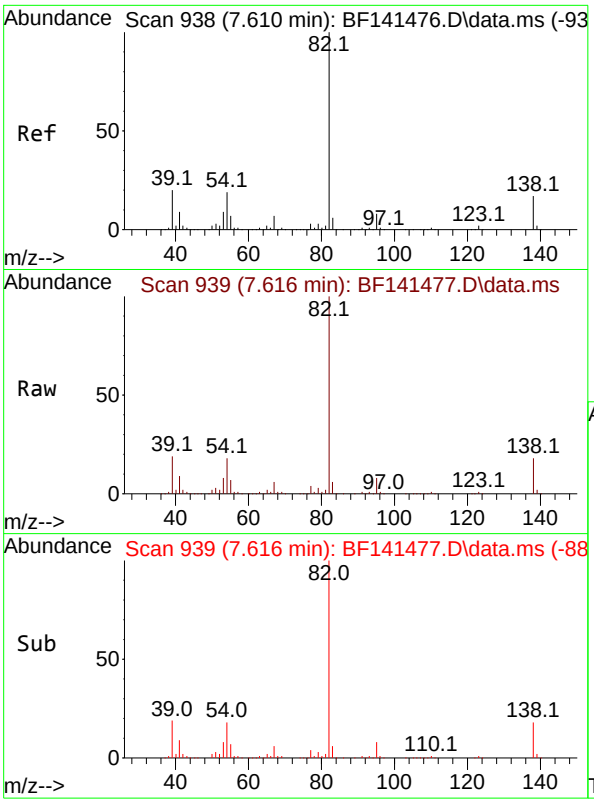


#24
Nitrobenzene
Concen: 49.308 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



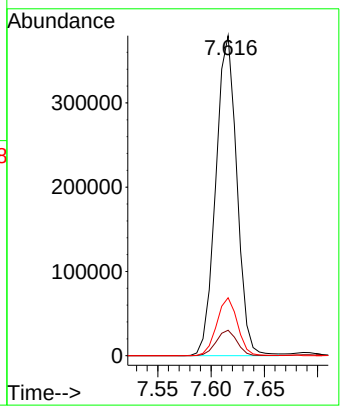


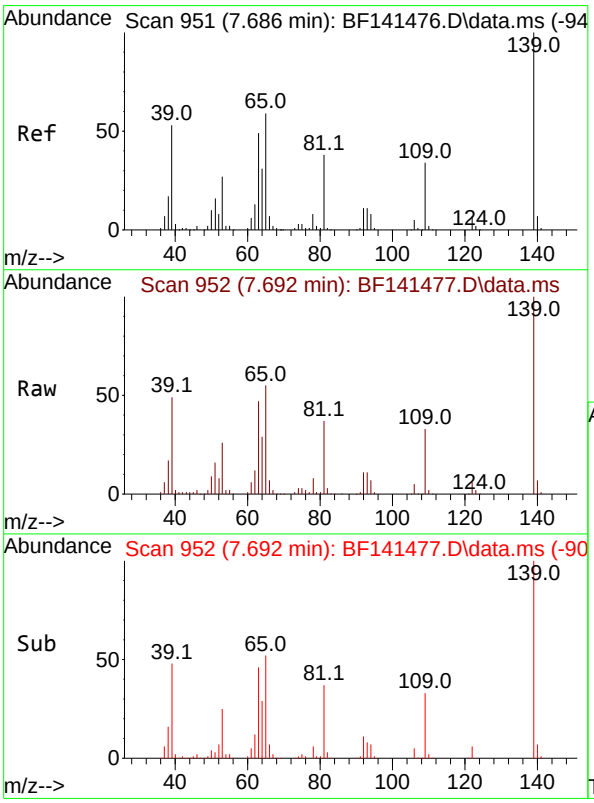
#25
Isophorone
Concen: 49.123 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

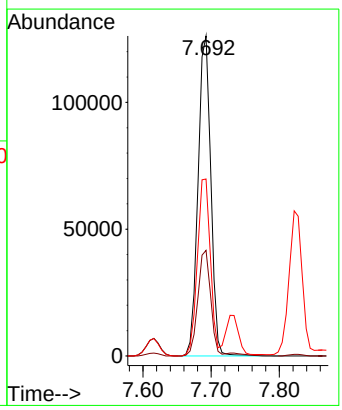


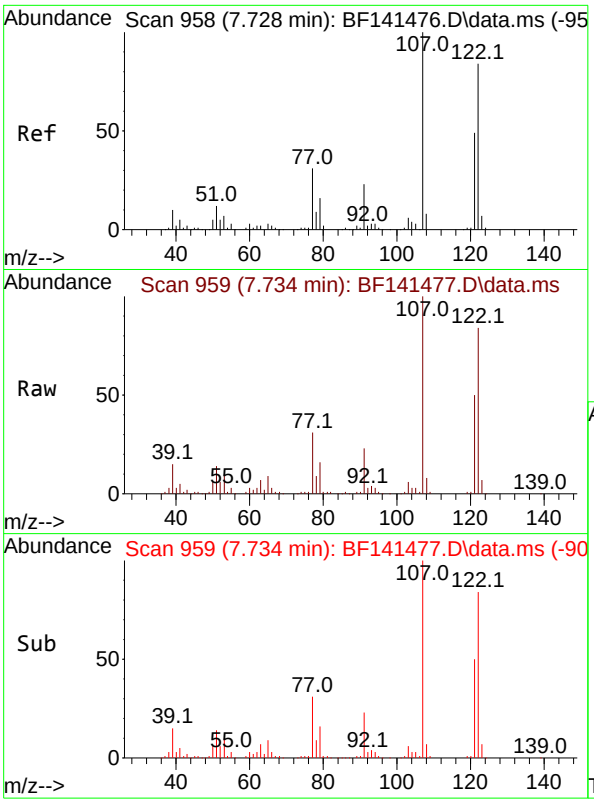


#26
2-Nitrophenol
Concen: 50.962 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



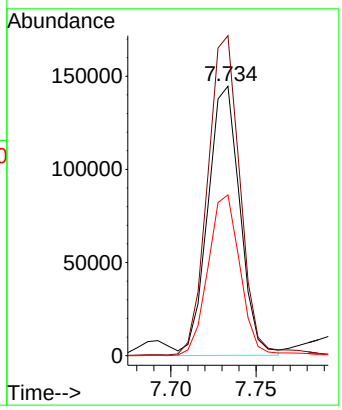


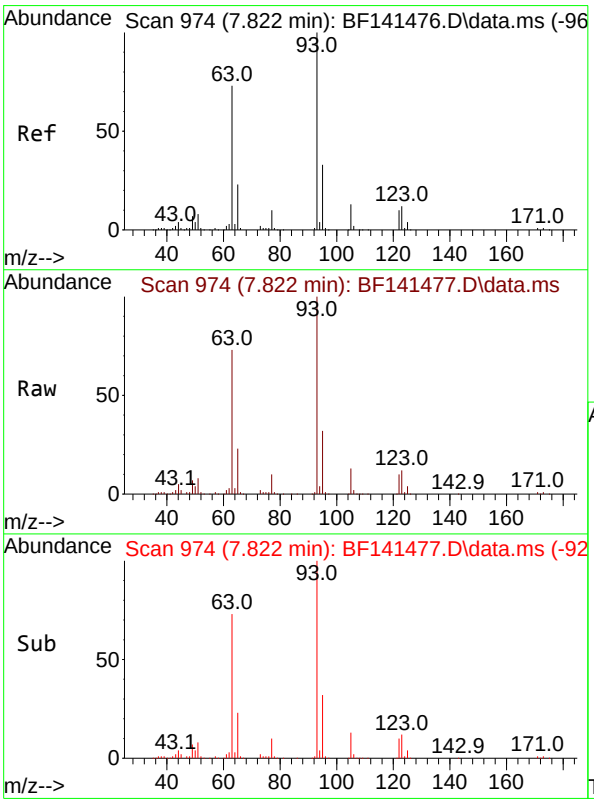
#27
2,4-Dimethylphenol
Concen: 50.093 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

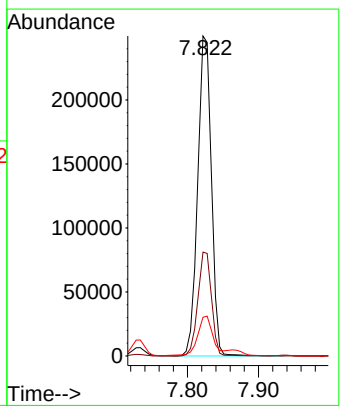


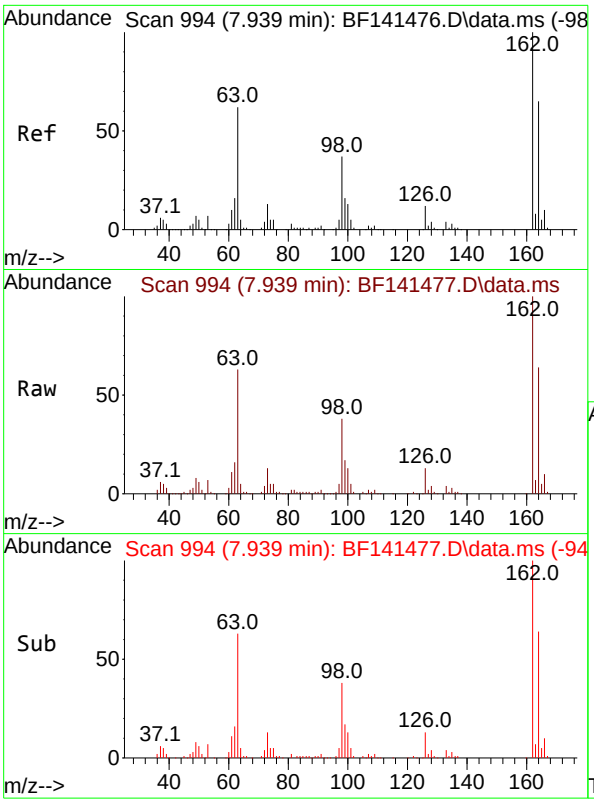


#28
bis(2-Chloroethoxy)methane
Concen: 49.430 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



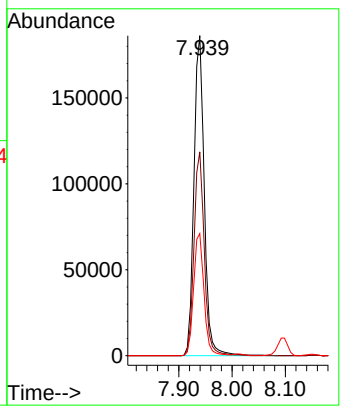


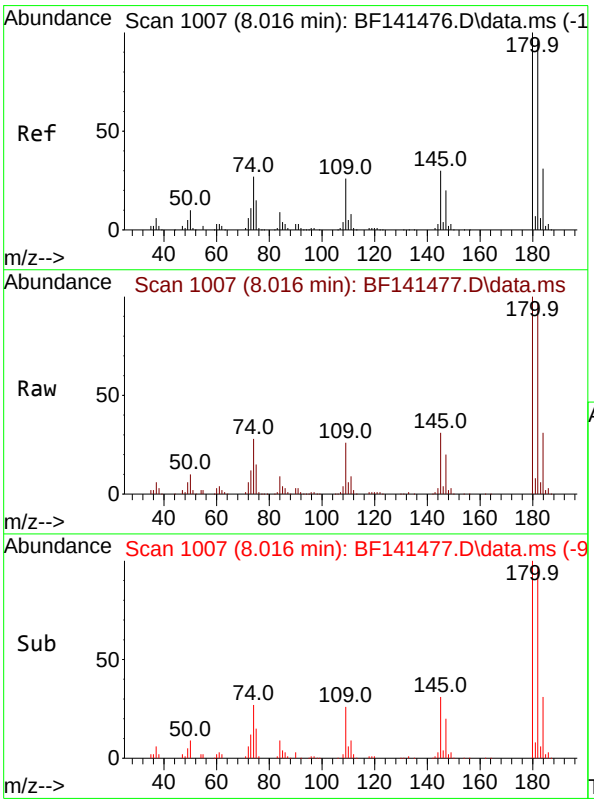
#29
2,4-Dichlorophenol
Concen: 49.328 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

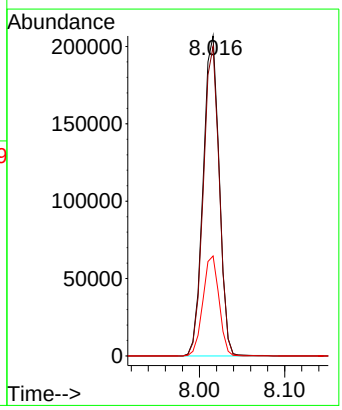


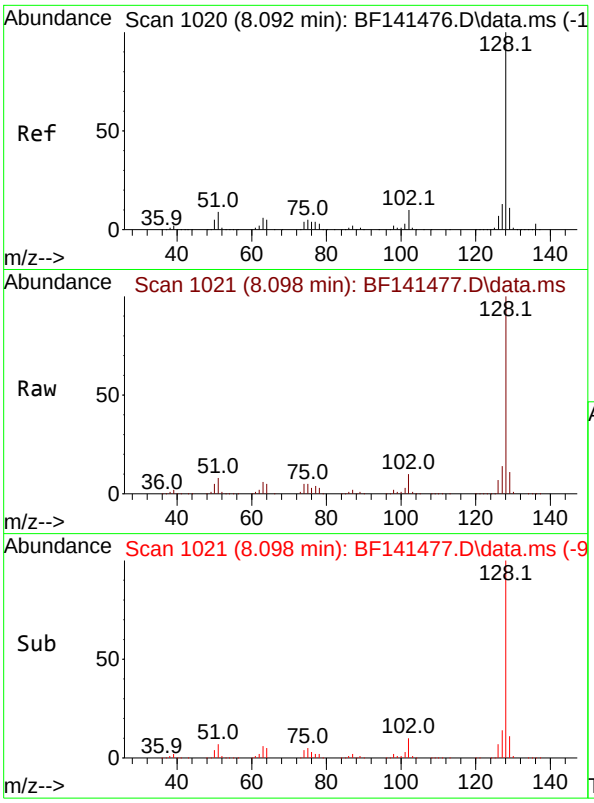


#30
1,2,4-Trichlorobenzene
Concen: 48.788 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



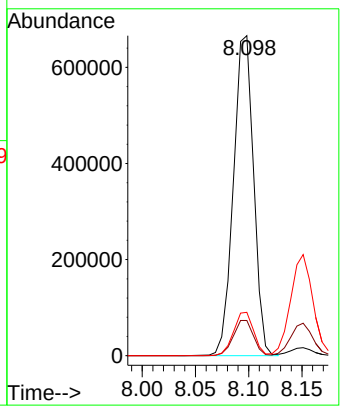


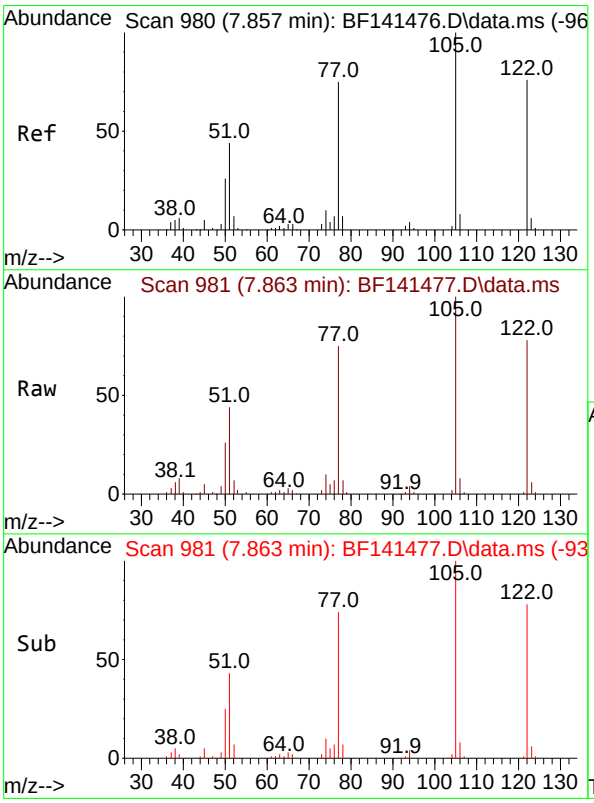
#31
Naphthalene
Concen: 48.605 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

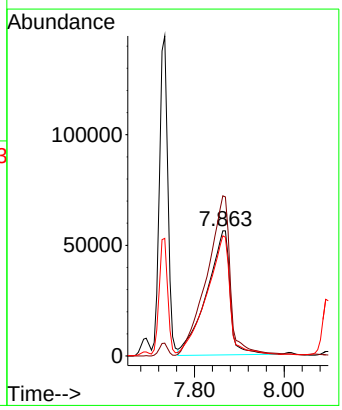


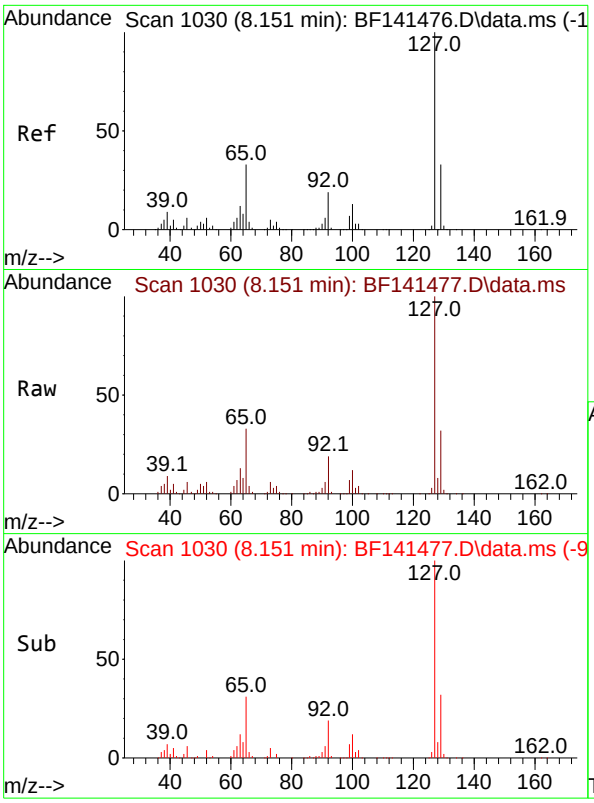


#32
Benzoic acid
Concen: 51.719 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



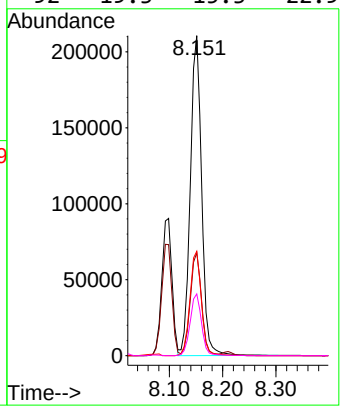


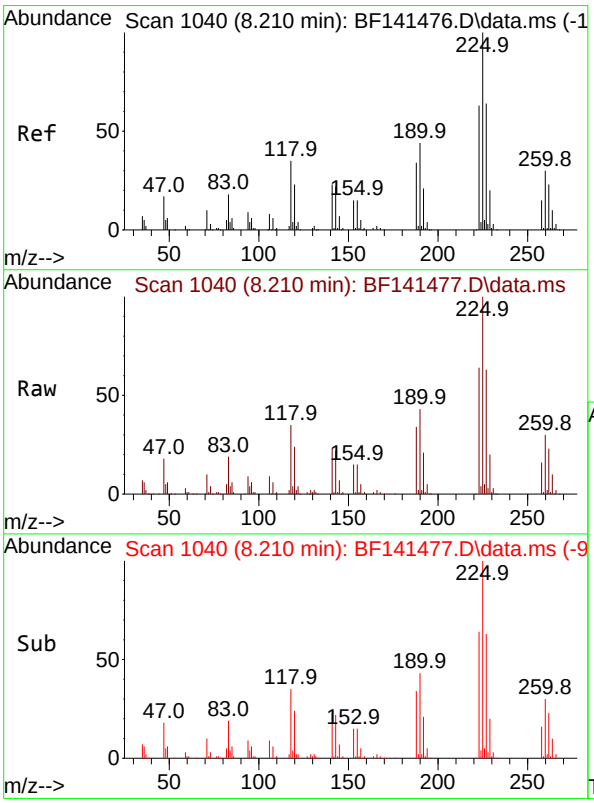
#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

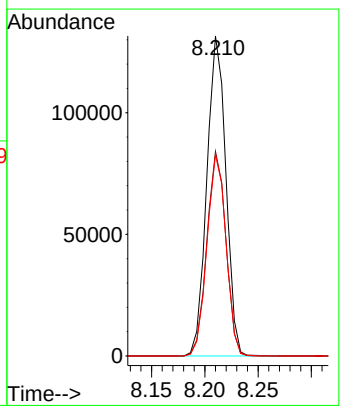


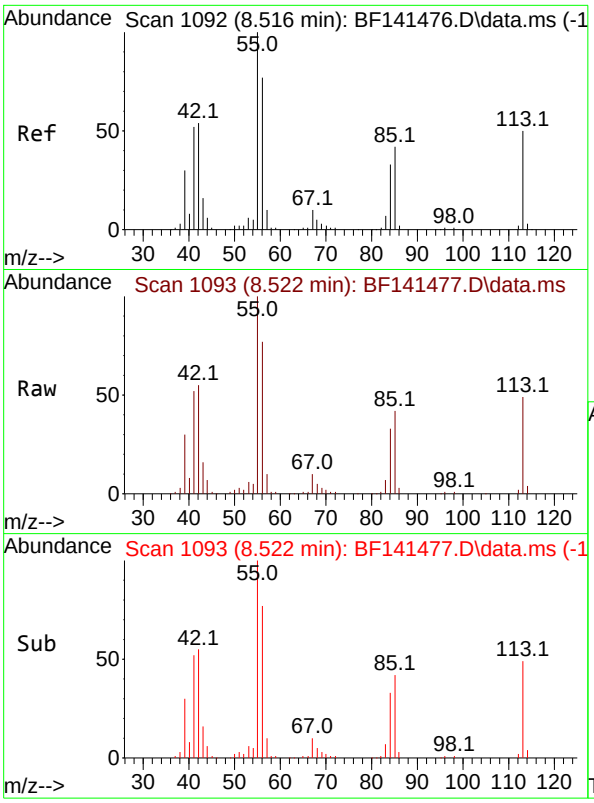


#34
Hexachlorobutadiene
Concen: 48.971 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



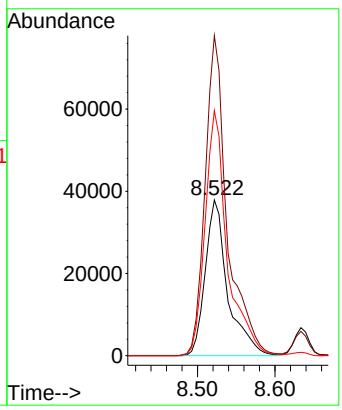


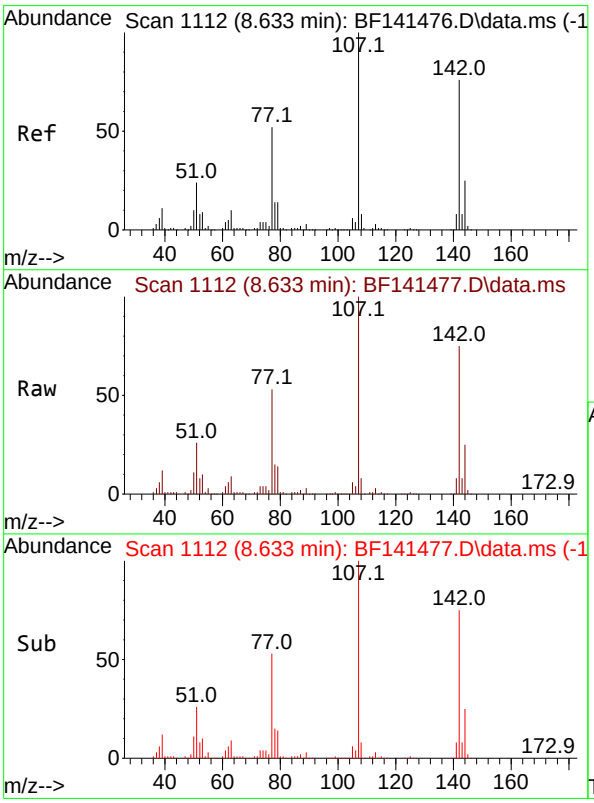
#35
Caprolactam
Concen: 49.180 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

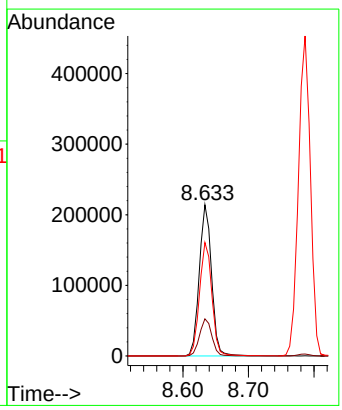


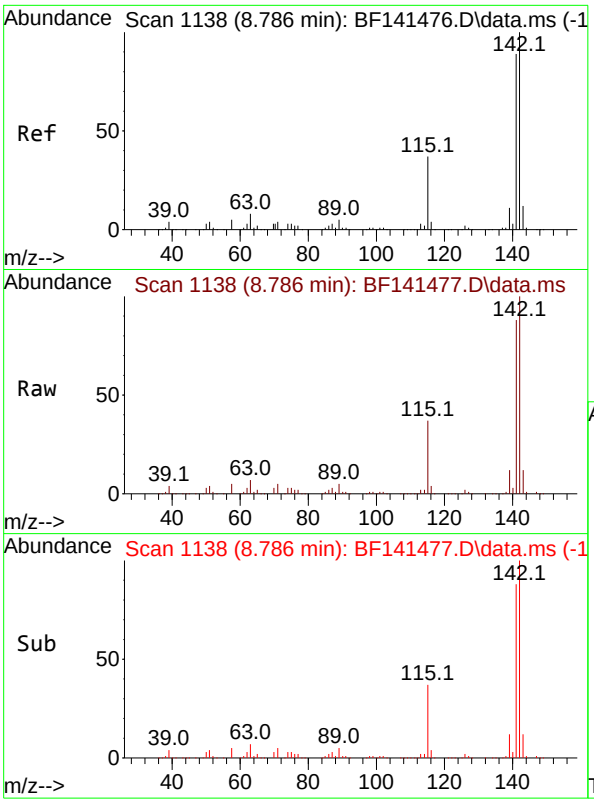


#36
4-Chloro-3-methylphenol
Concen: 49.736 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



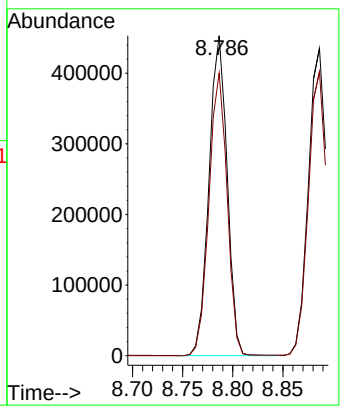


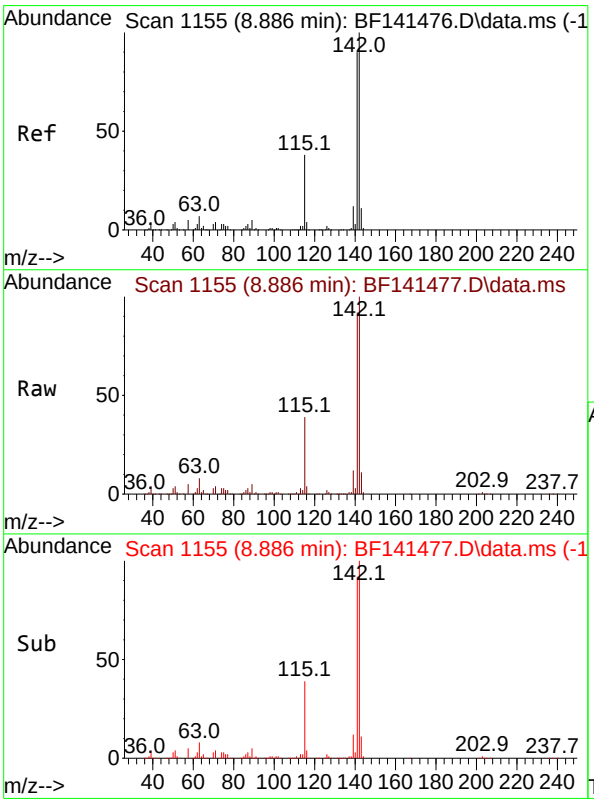
#37
2-Methylnaphthalene
Concen: 48.643 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 572244

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8

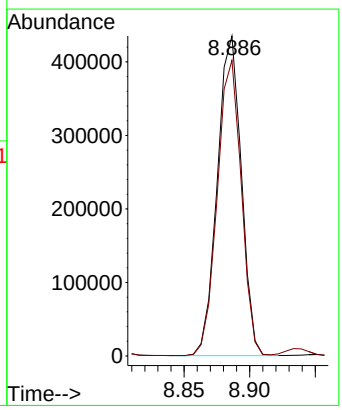


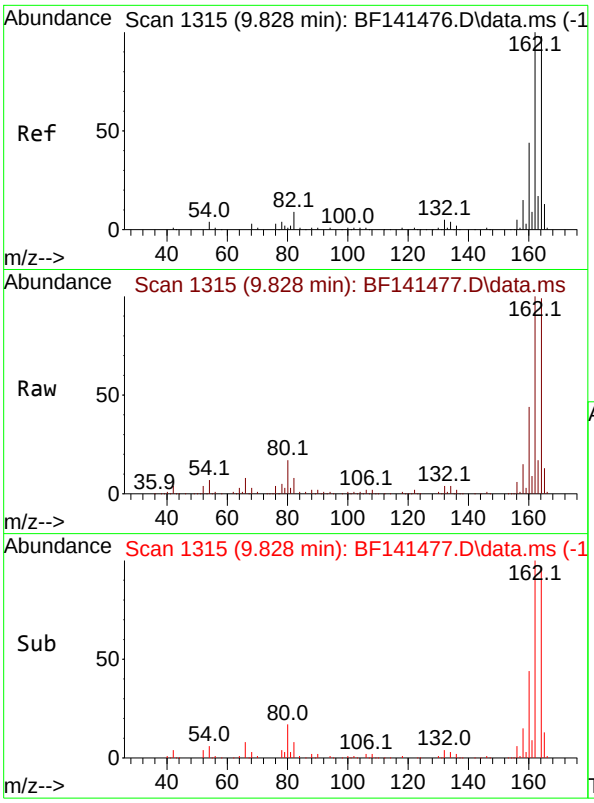


#38
1-Methylnaphthalene
Concen: 48.579 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:142 Resp: 553503

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.1	108.1



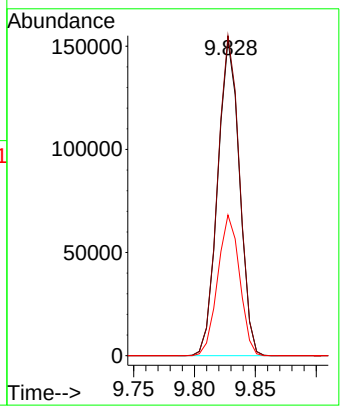


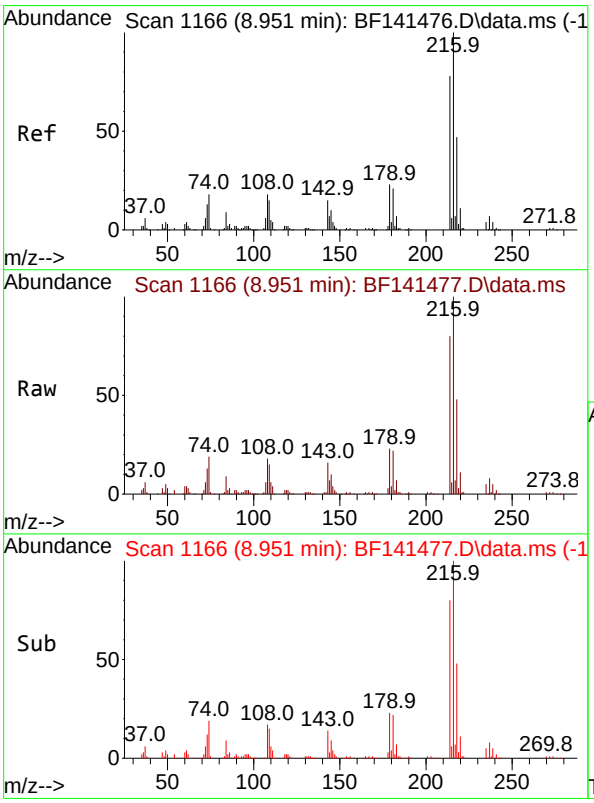
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

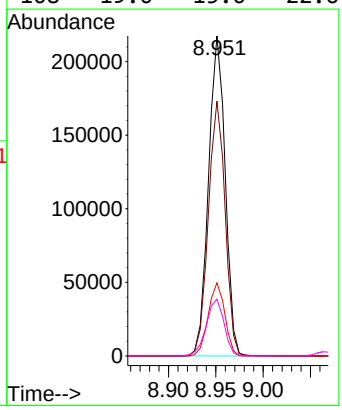


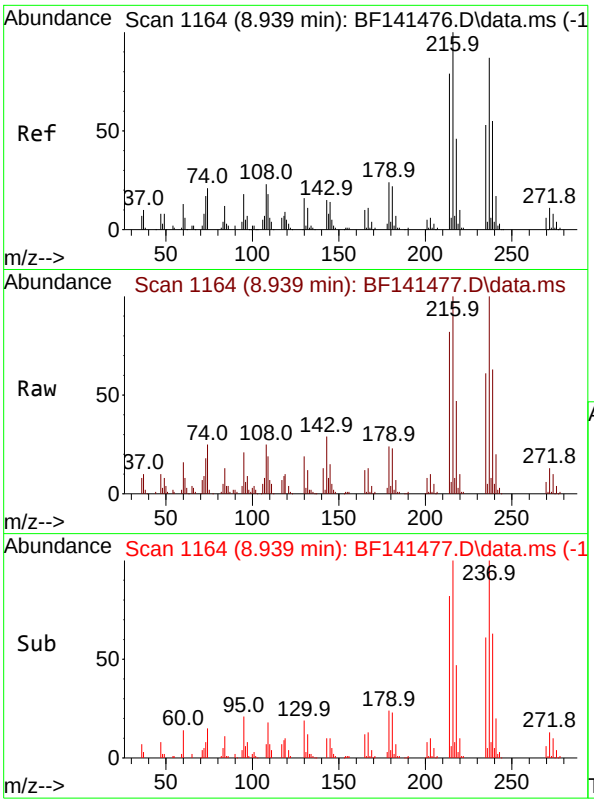


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.369 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



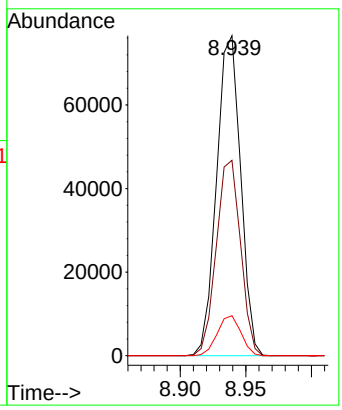


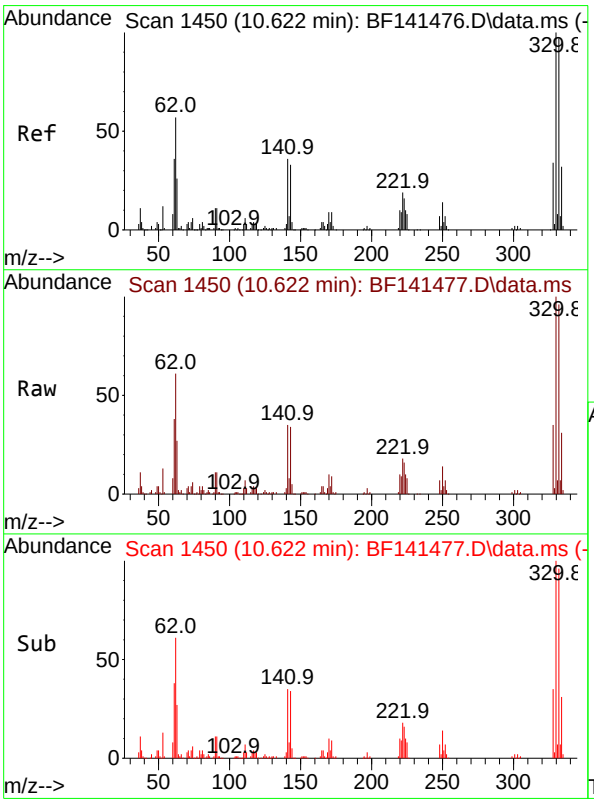
#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

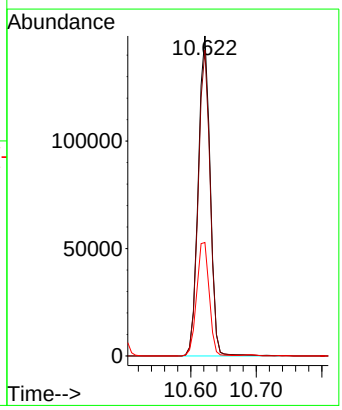


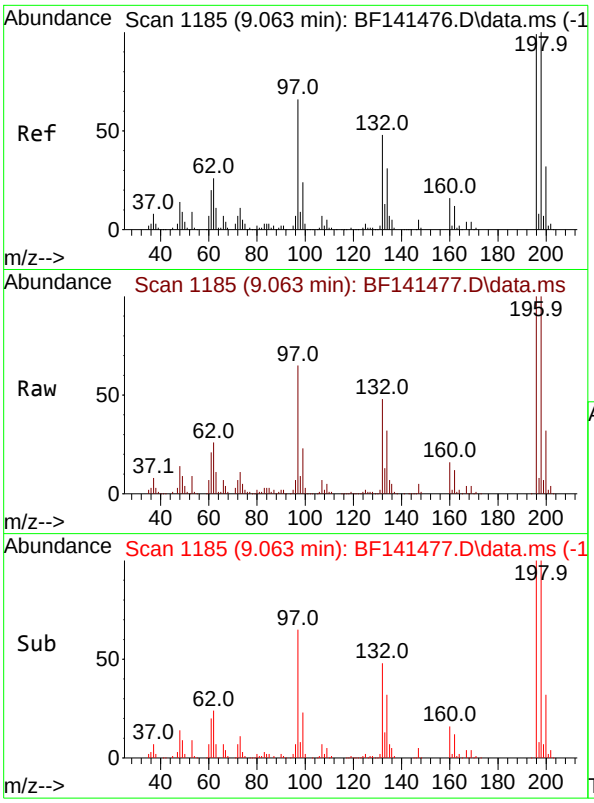


#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



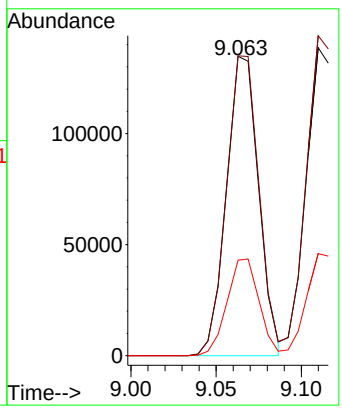


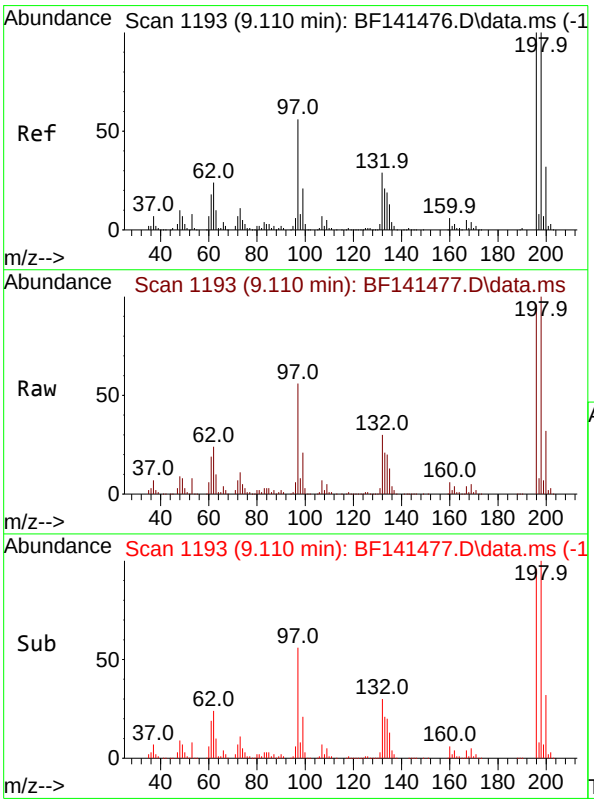
#43
2,4,6-Trichlorophenol
Concen: 49.825 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

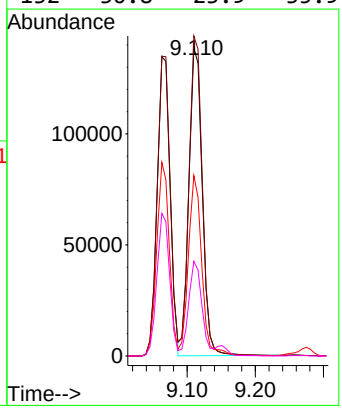


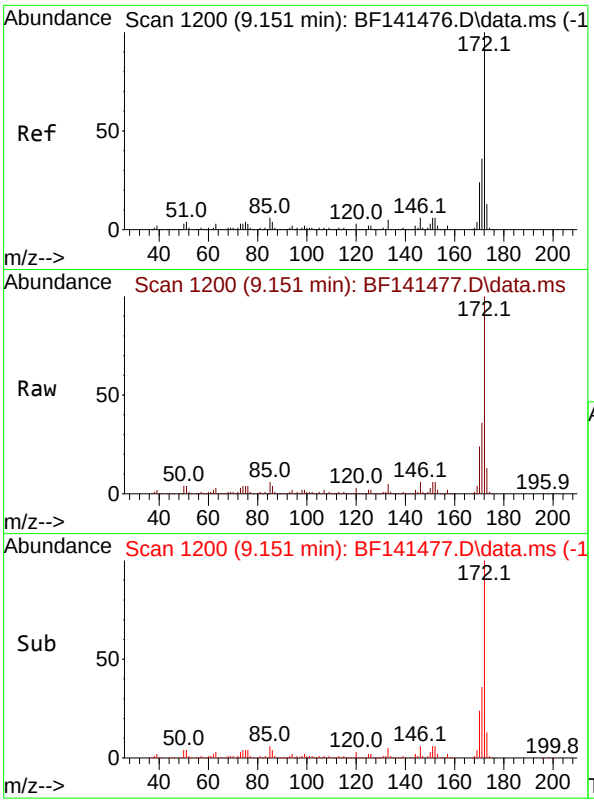


#44
2,4,5-Trichlorophenol
Concen: 48.667 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



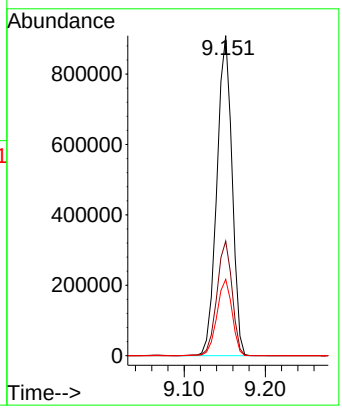


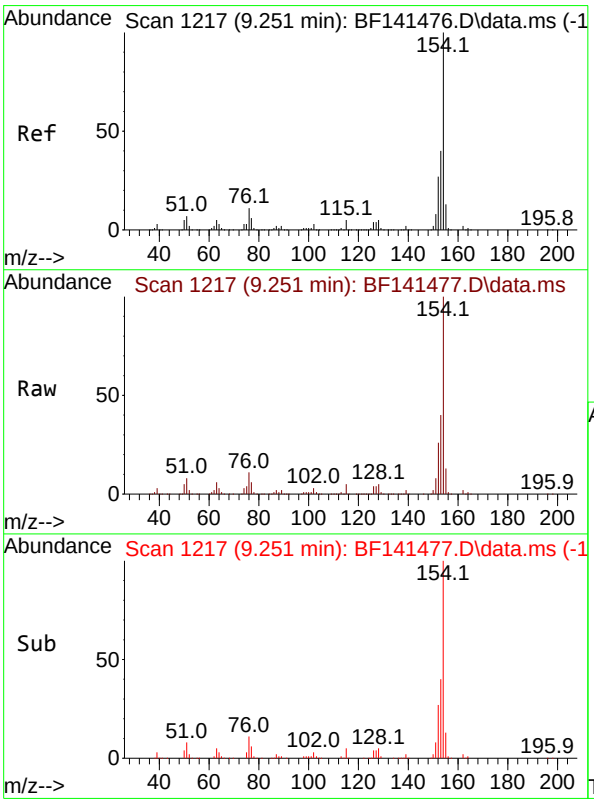
#45
2-Fluorobiphenyl
Concen: 95.605 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

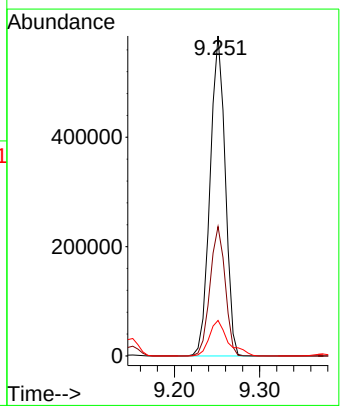


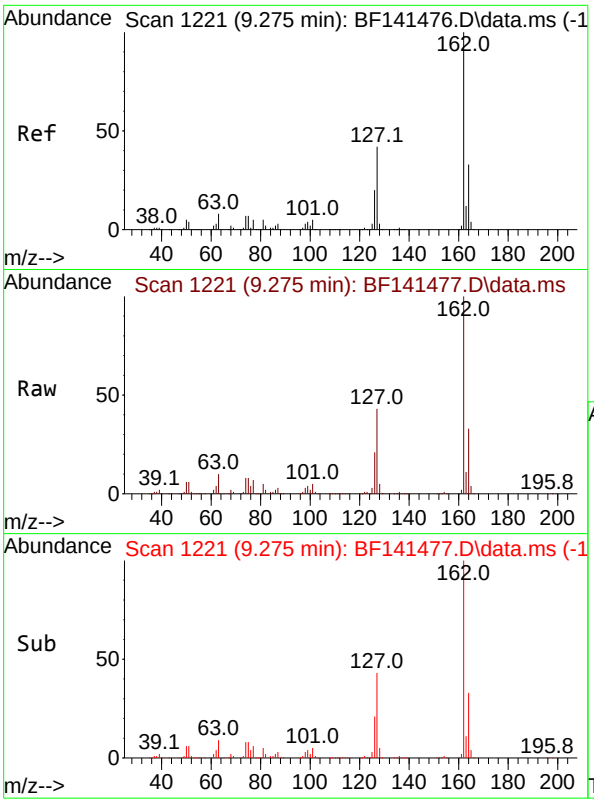


#46
1,1'-Biphenyl
Concen: 48.905 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



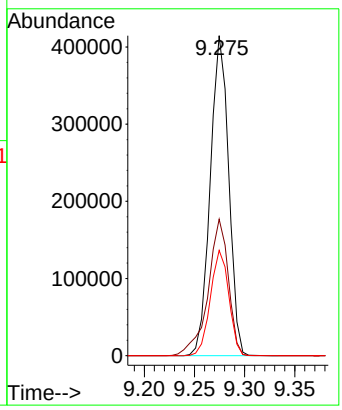


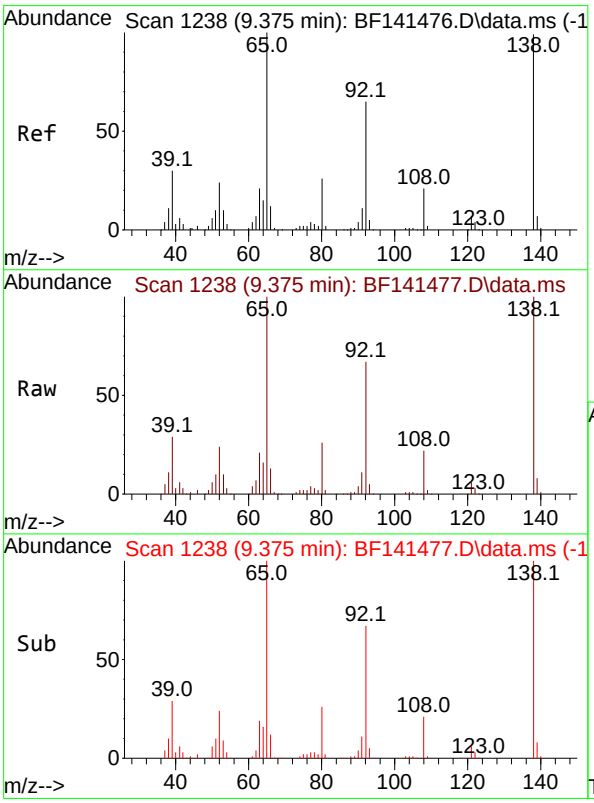
#47
2-Chloronaphthalene
Concen: 48.576 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

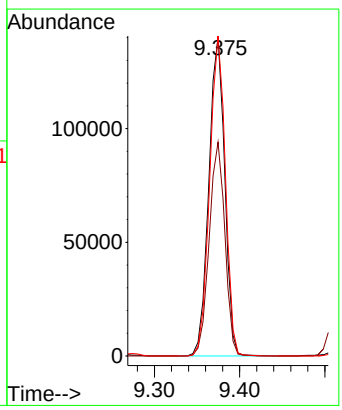


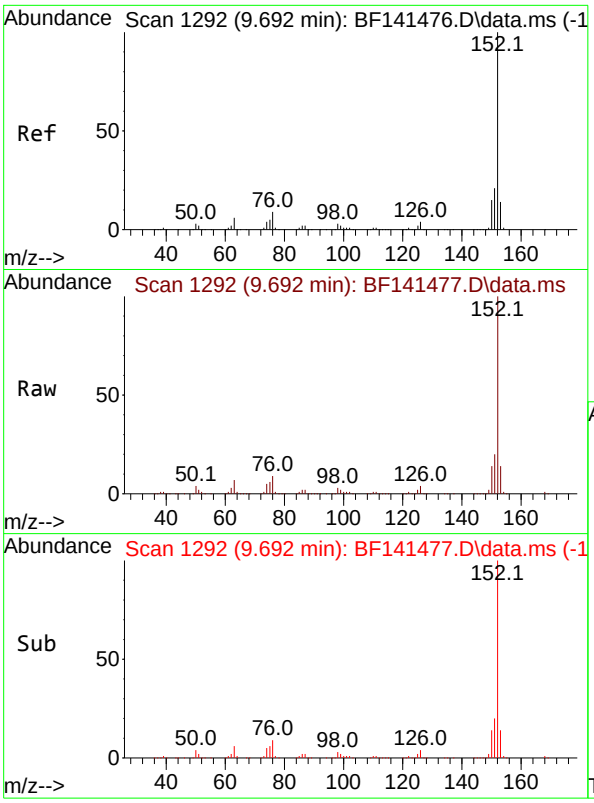


#48
2-Nitroaniline
Concen: 49.612 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



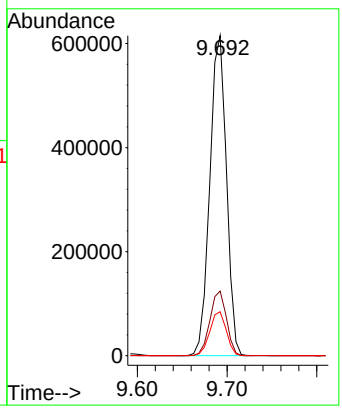


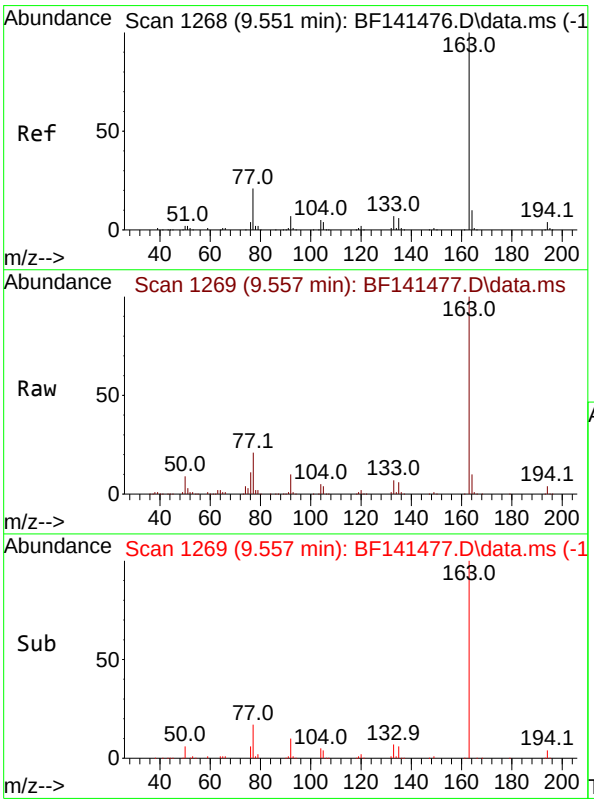
#49
Acenaphthylene
Concen: 48.672 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

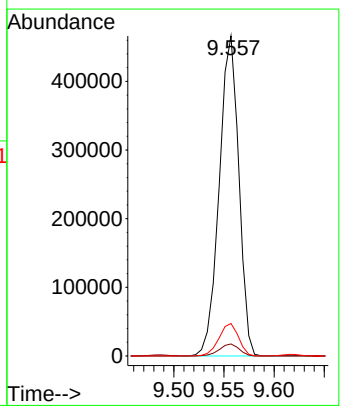


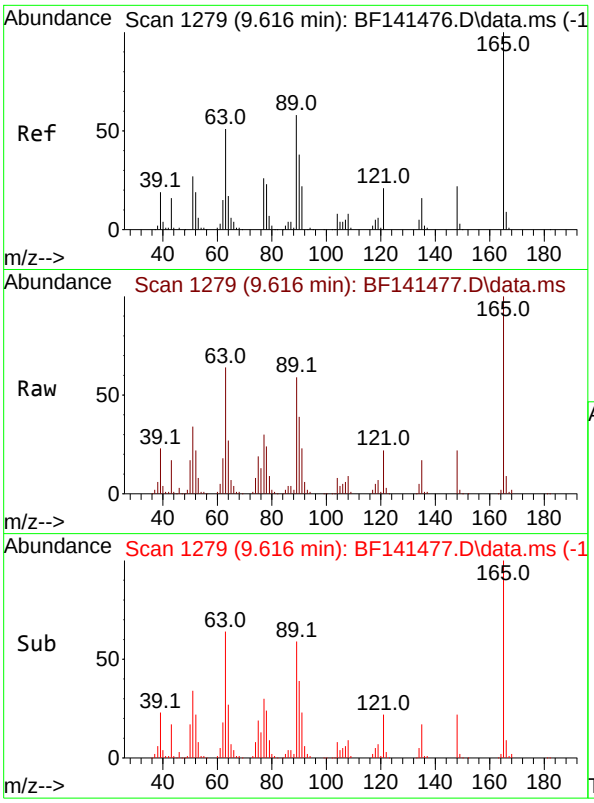


#50
Dimethylphthalate
Concen: 48.760 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



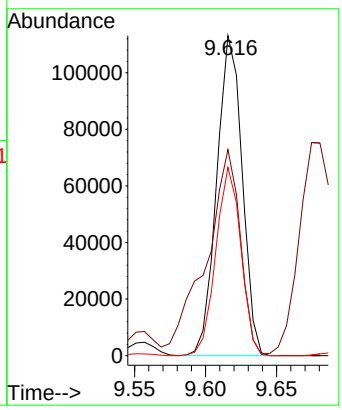


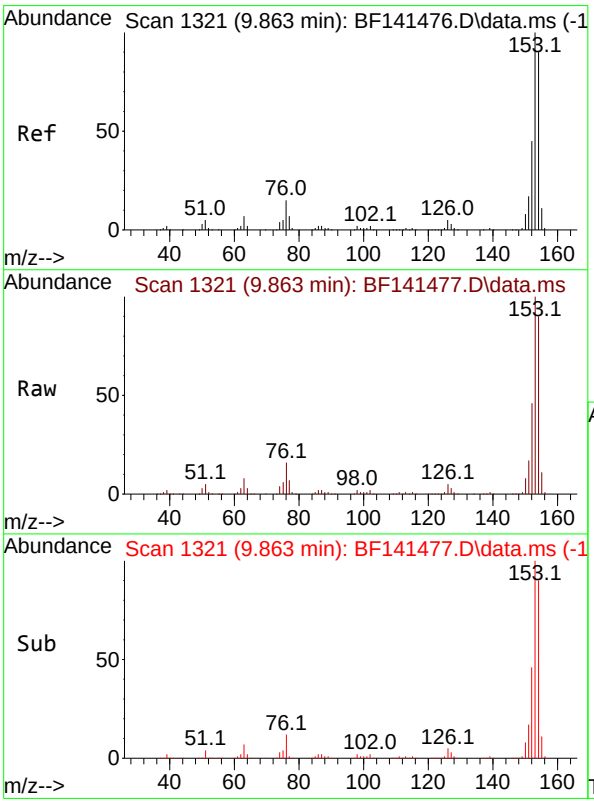
#51
2,6-Dinitrotoluene
Concen: 49.760 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

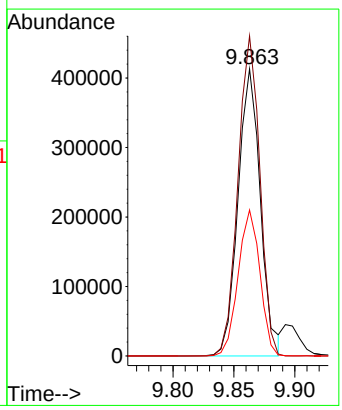


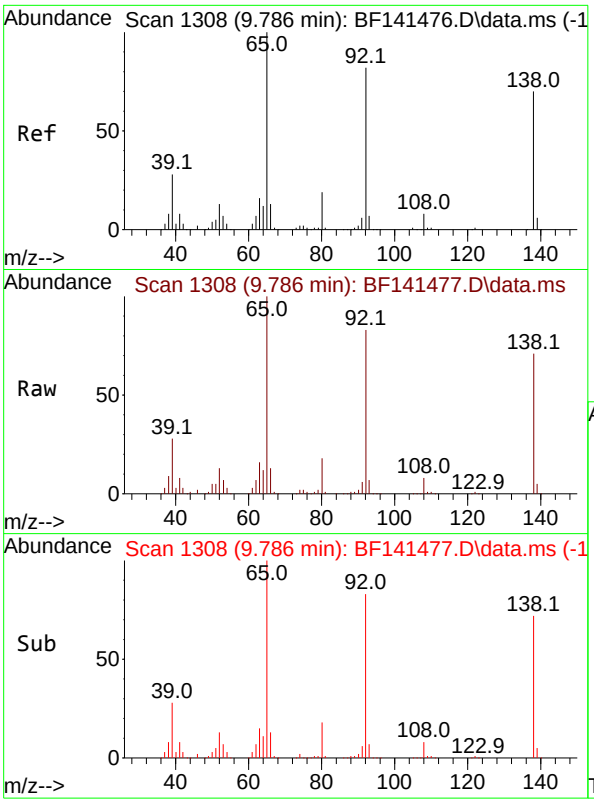


#52
Acenaphthene
Concen: 48.327 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



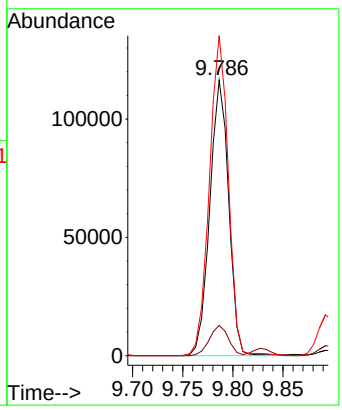


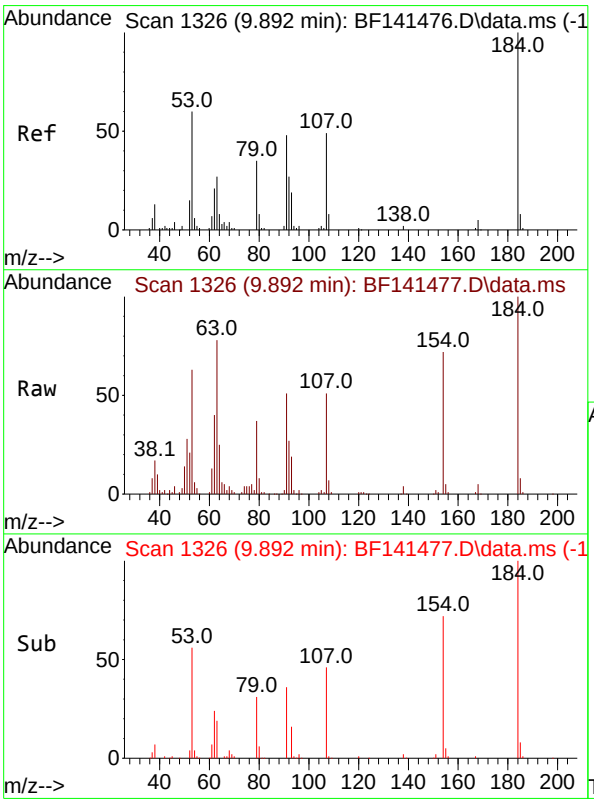
#53
3-Nitroaniline
Concen: 50.087 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

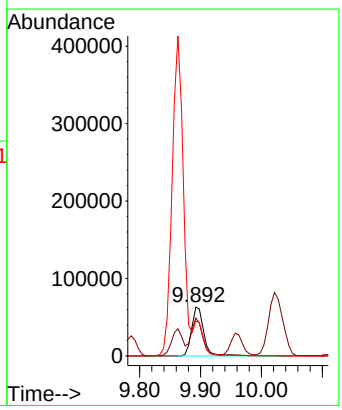


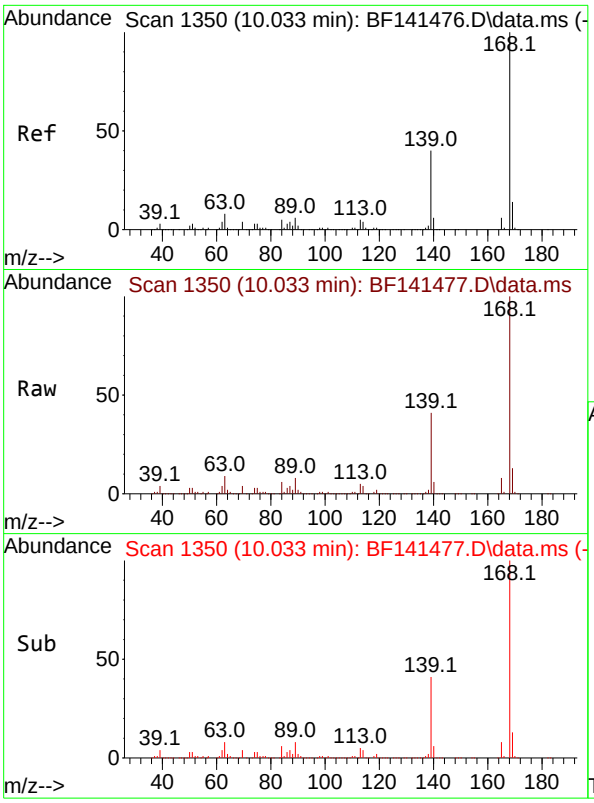


#54
2,4-Dinitrophenol
Concen: 52.339 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



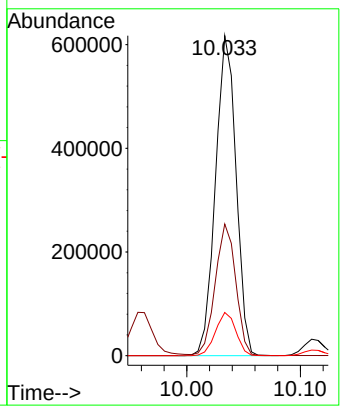


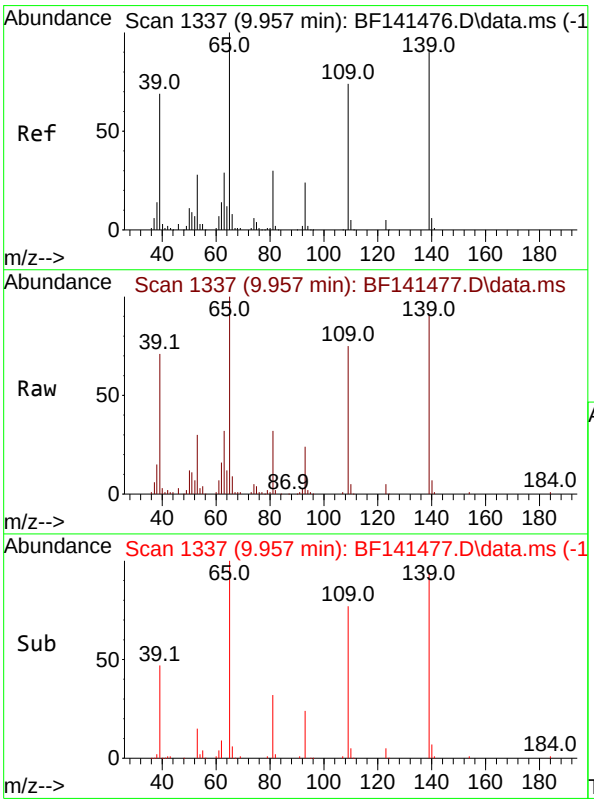
#55
Dibenzofuran
Concen: 48.523 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

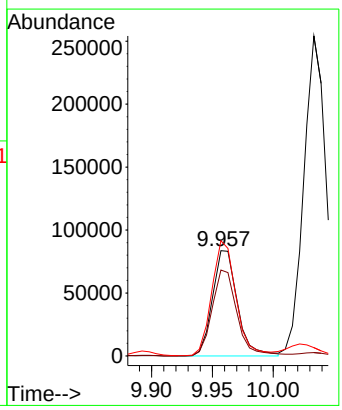


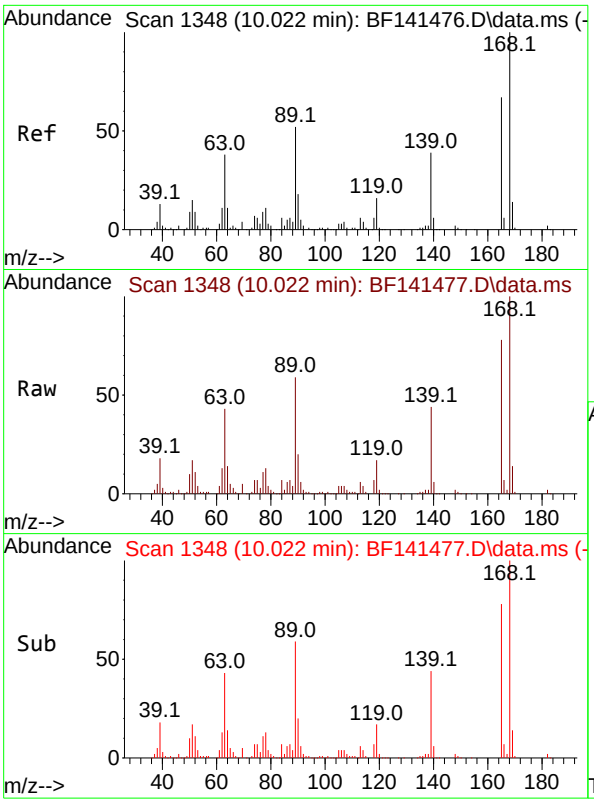


#56
4-Nitrophenol
Concen: 52.603 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



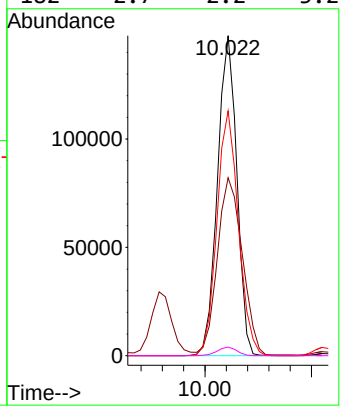


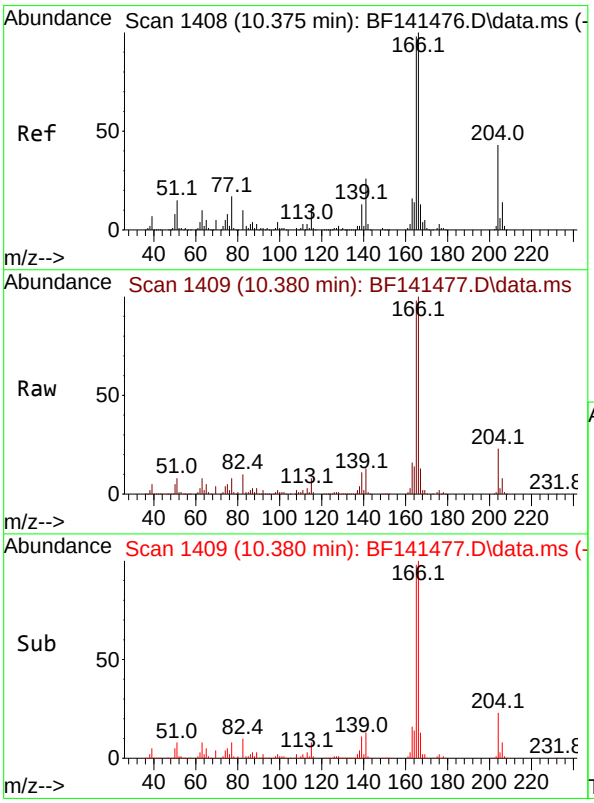
#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

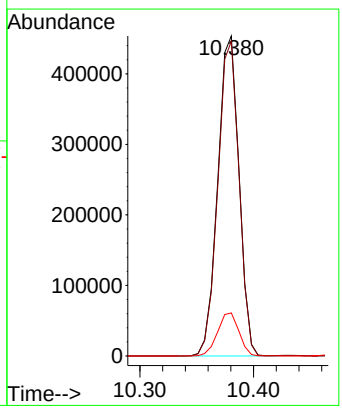


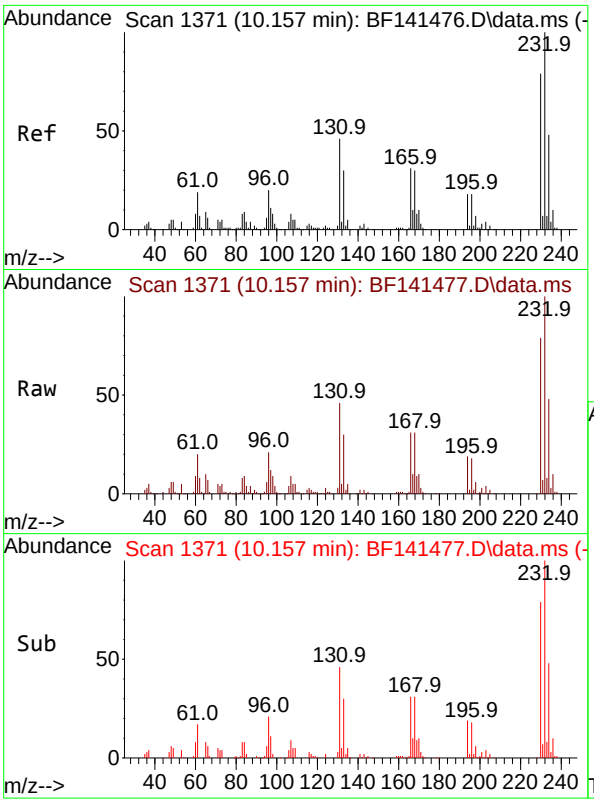


#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



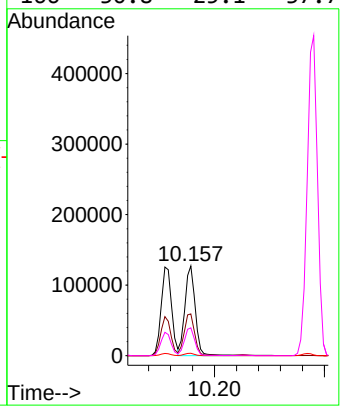


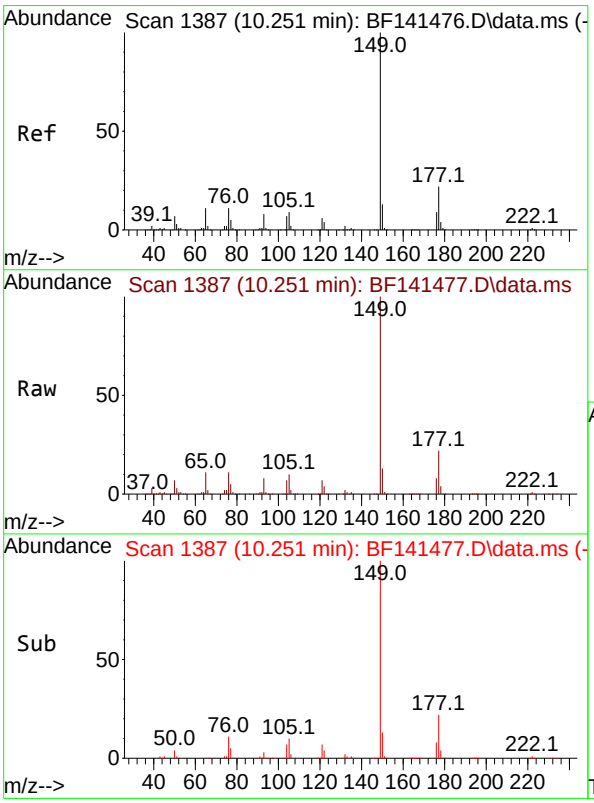
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

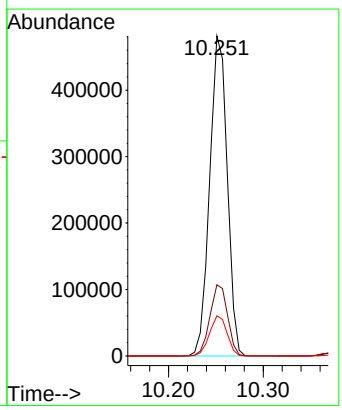


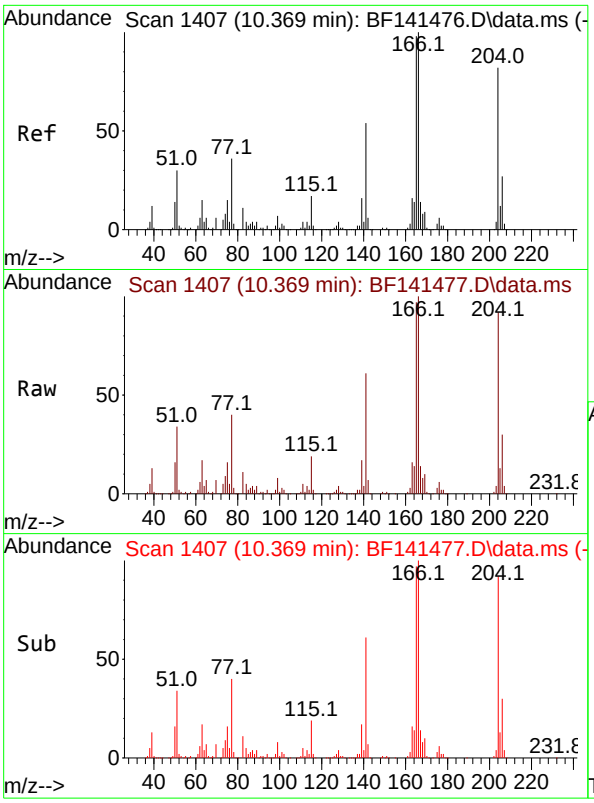


#60
Diethylphthalate
Concen: 48.647 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



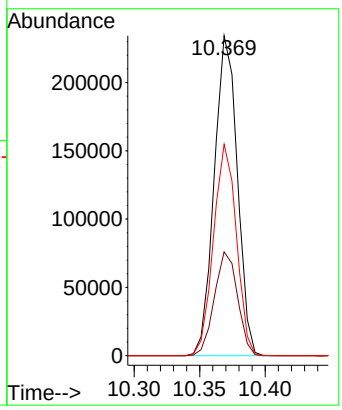


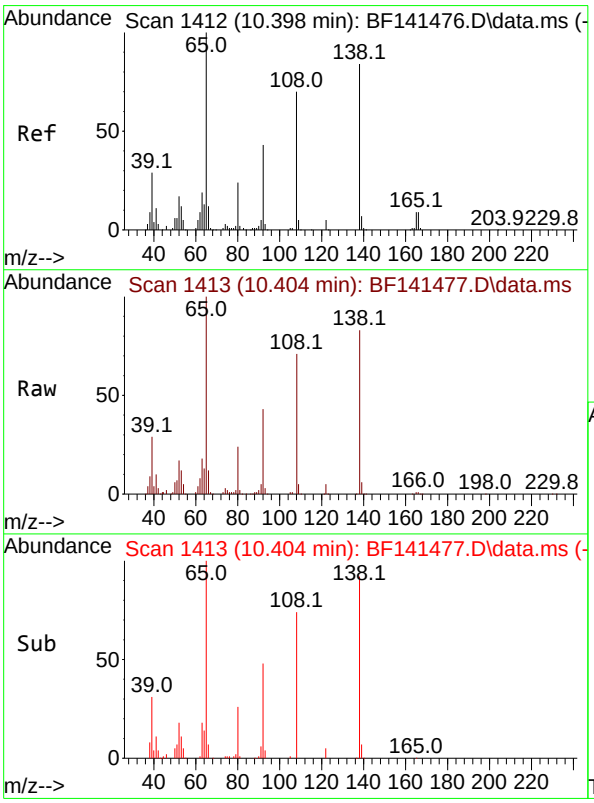
#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

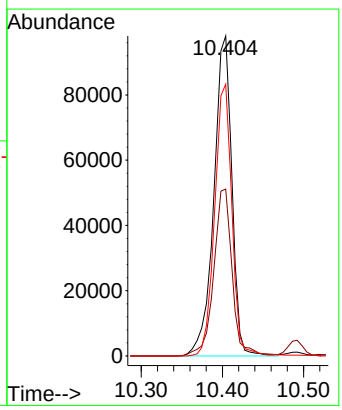


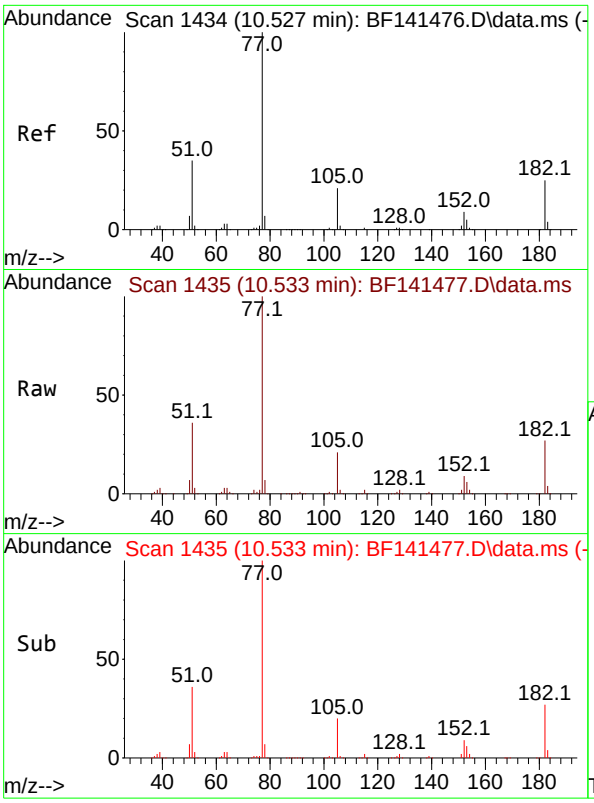


#62
4-Nitroaniline
Concen: 49.113 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



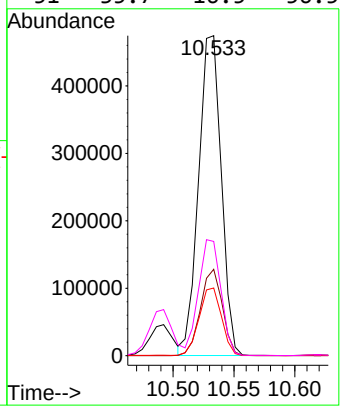


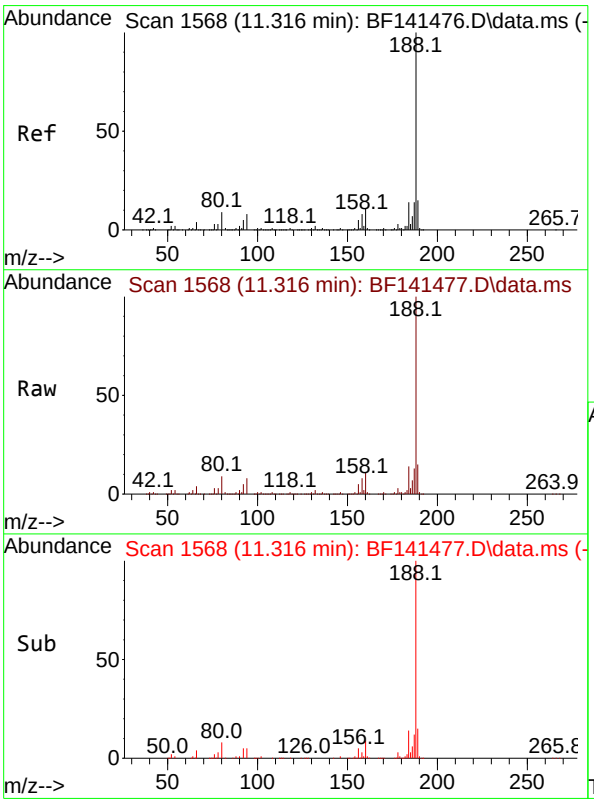
#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

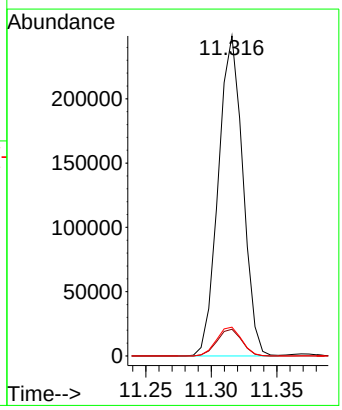


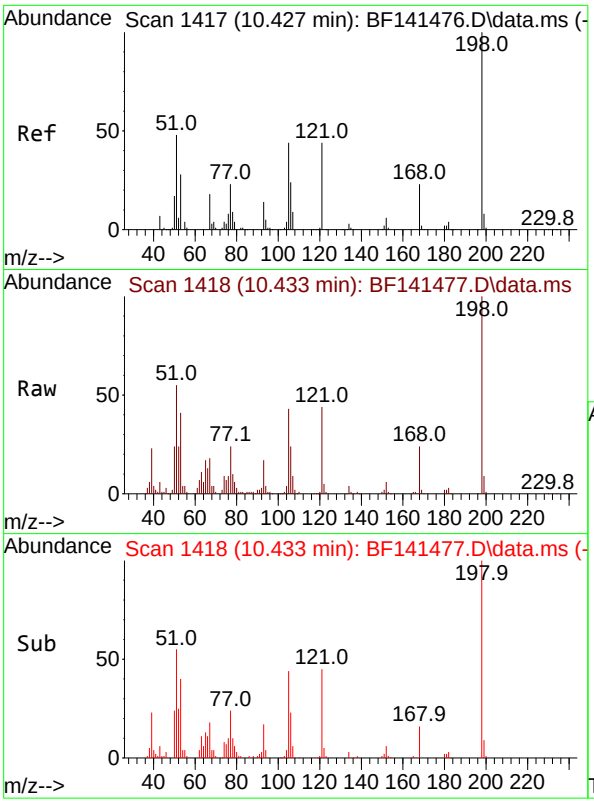


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



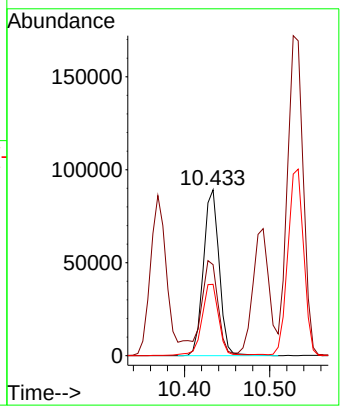


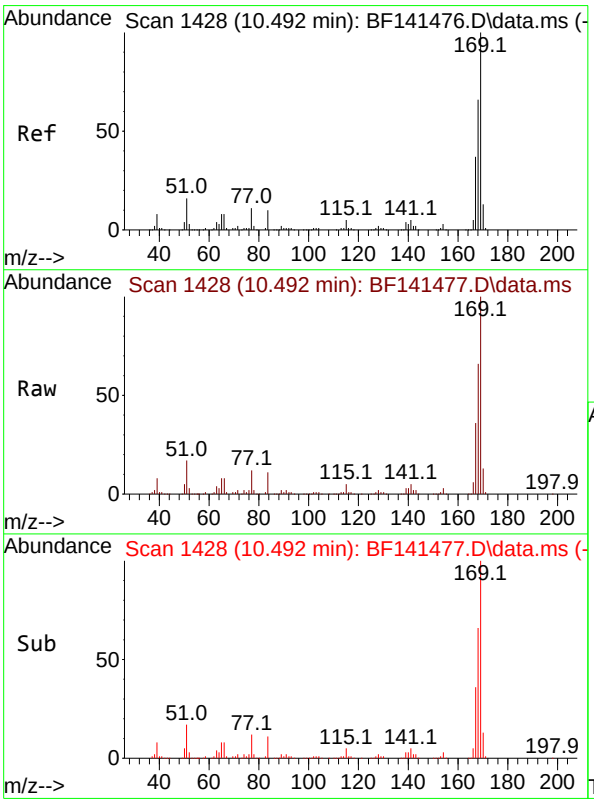
#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

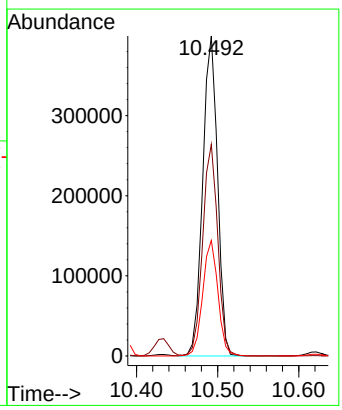


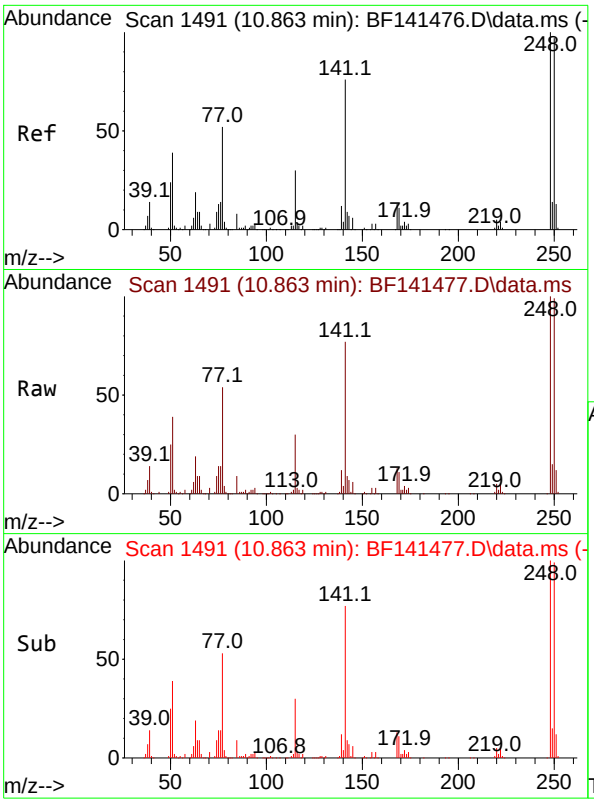


#66
n-Nitrosodiphenylamine
Concen: 48.810 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



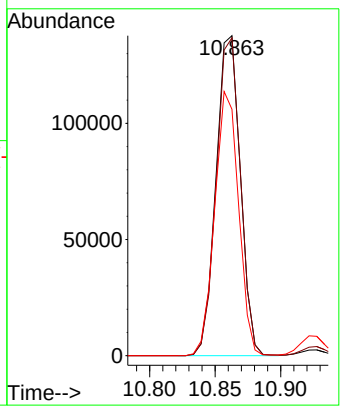


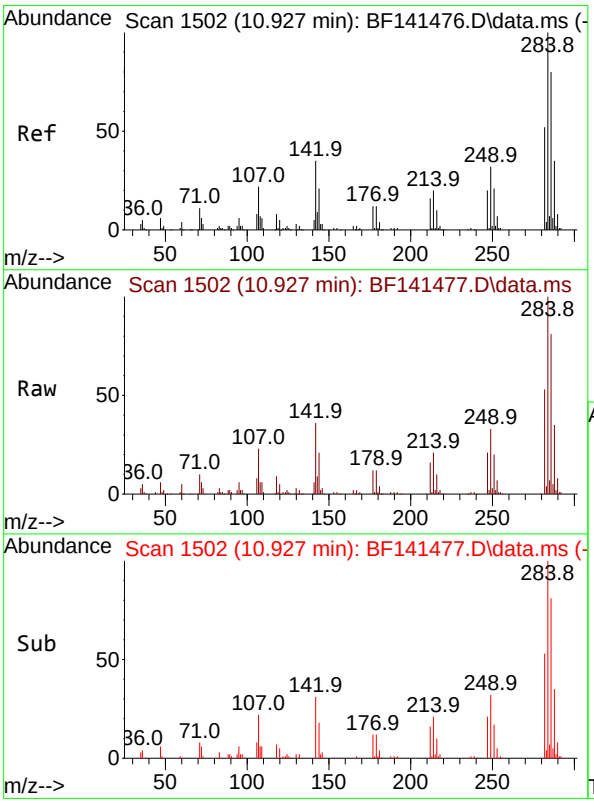
#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

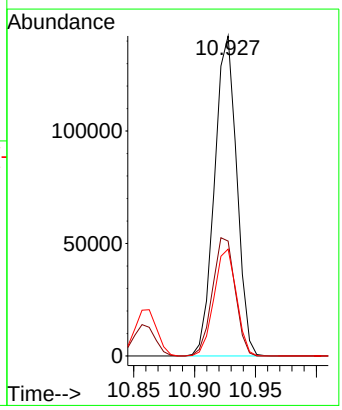


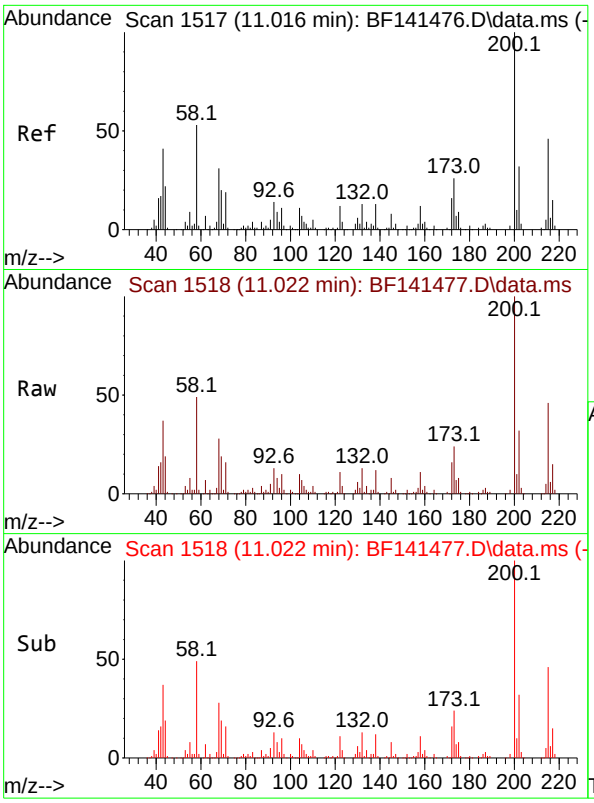


#68
Hexachlorobenzene
Concen: 48.567 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



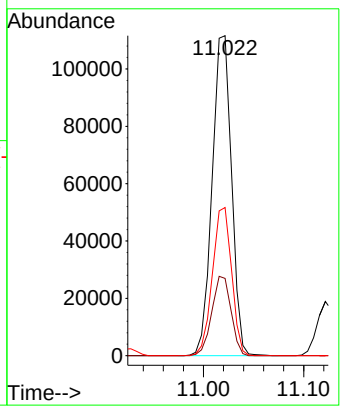


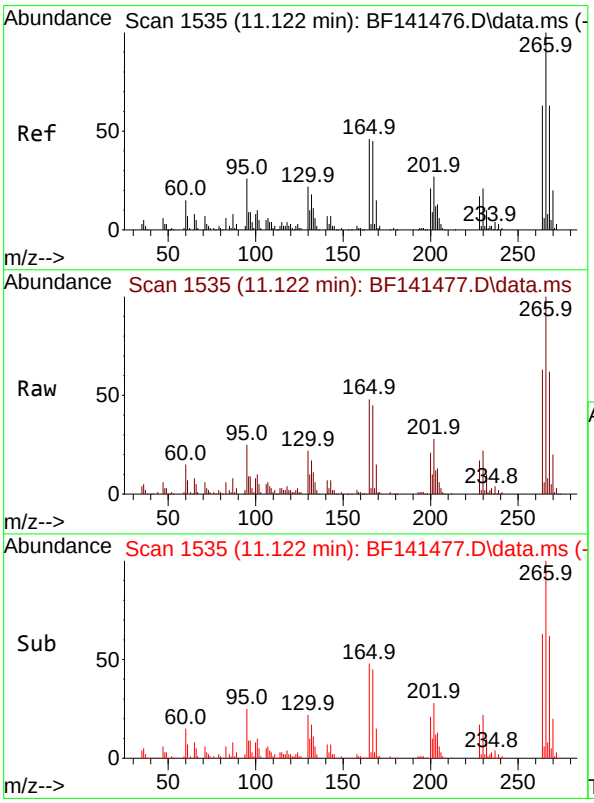
#69
Atrazine
Concen: 48.175 ng
RT: 11.022 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

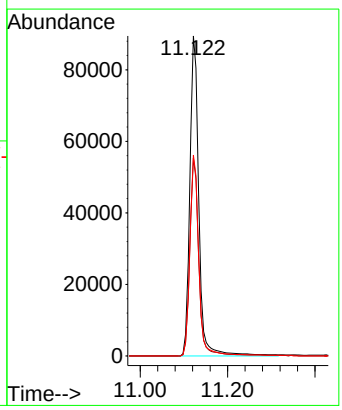


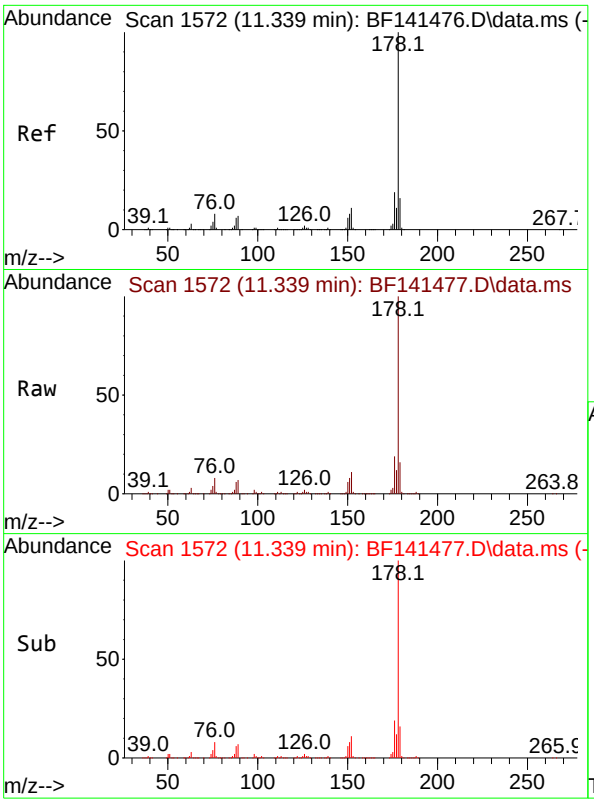


#70
Pentachlorophenol
Concen: 53.769 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



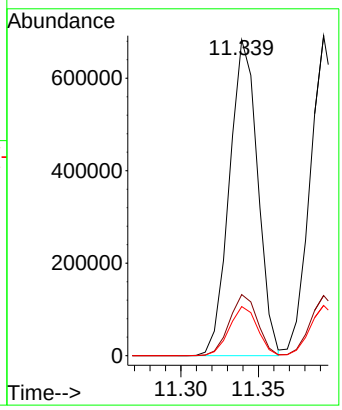


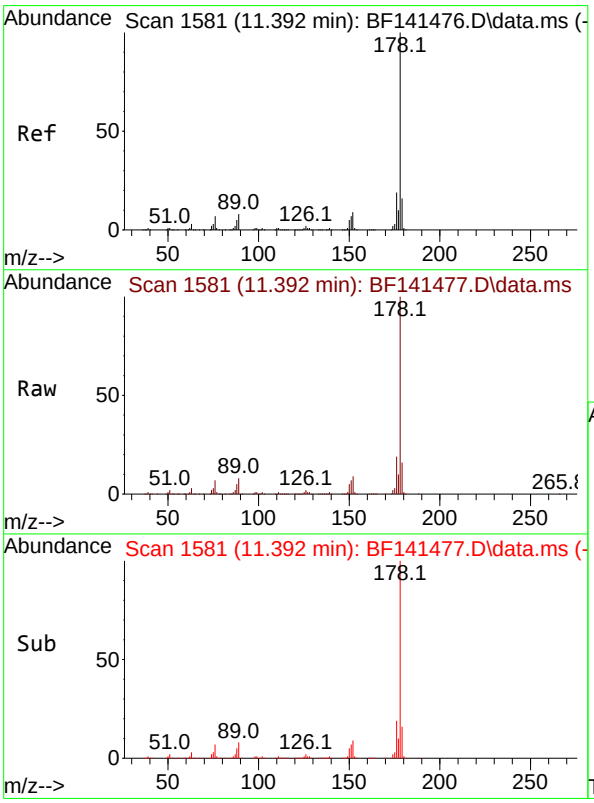
#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

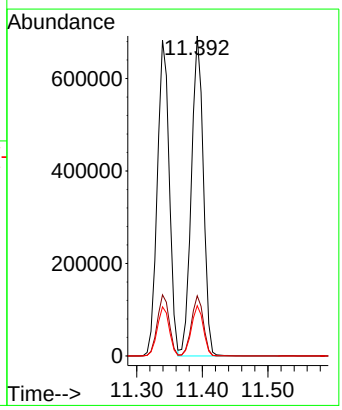


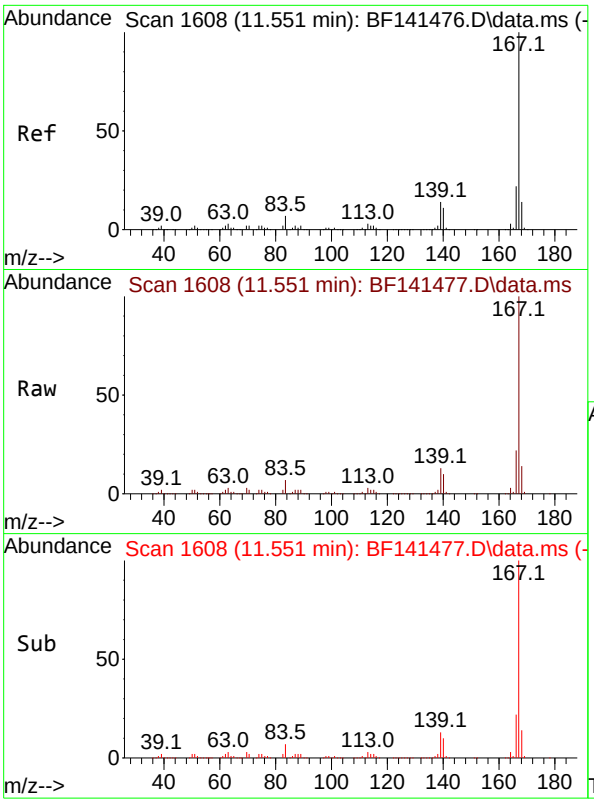


#72
Anthracene
Concen: 48.984 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



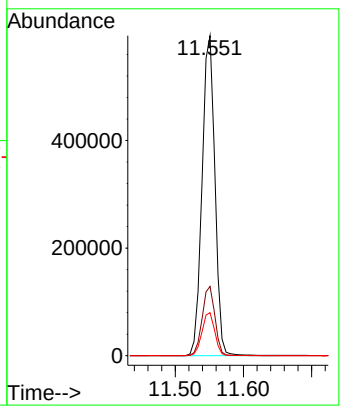


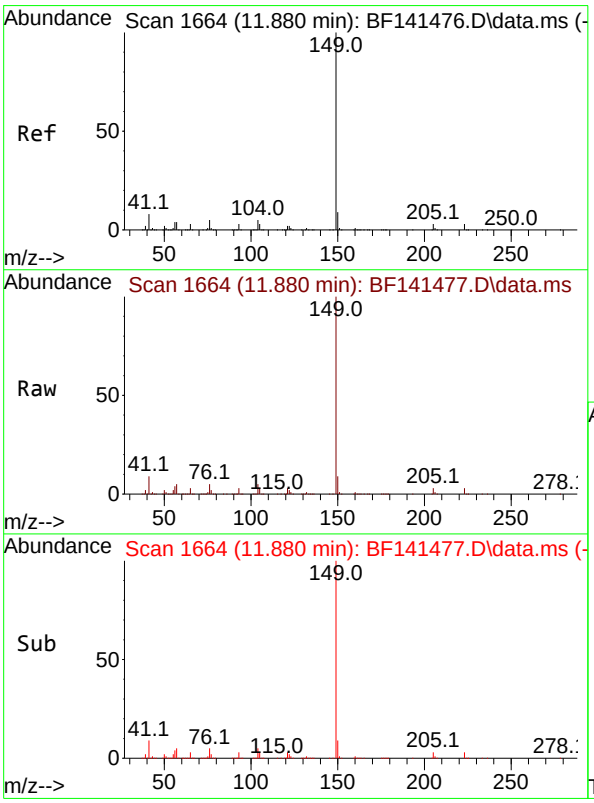
#73
Carbazole
Concen: 48.504 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

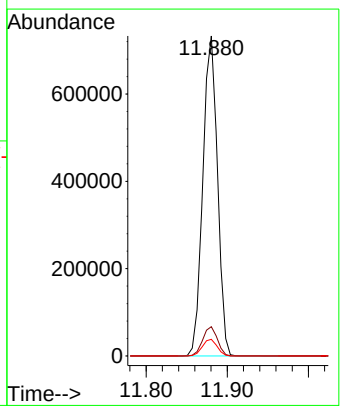


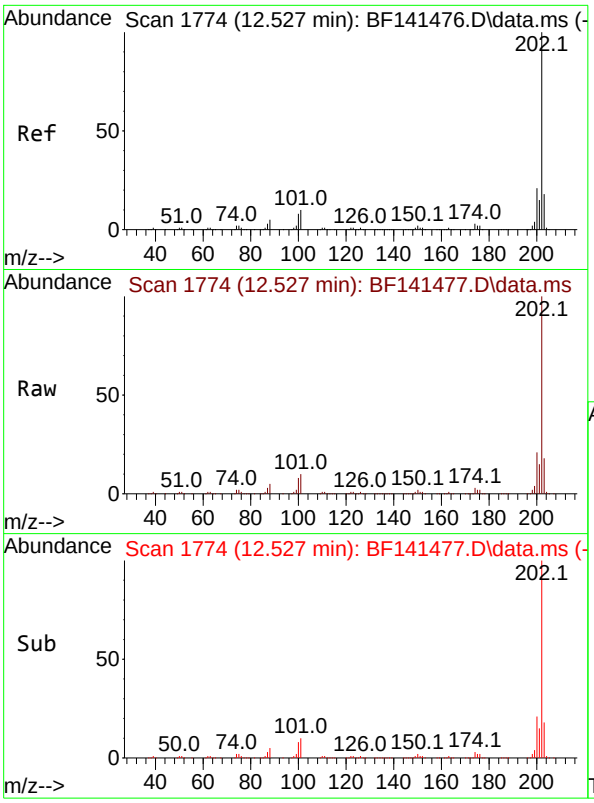


#74
Di-n-butylphthalate
Concen: 49.210 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



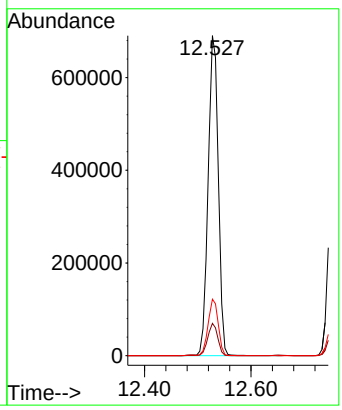


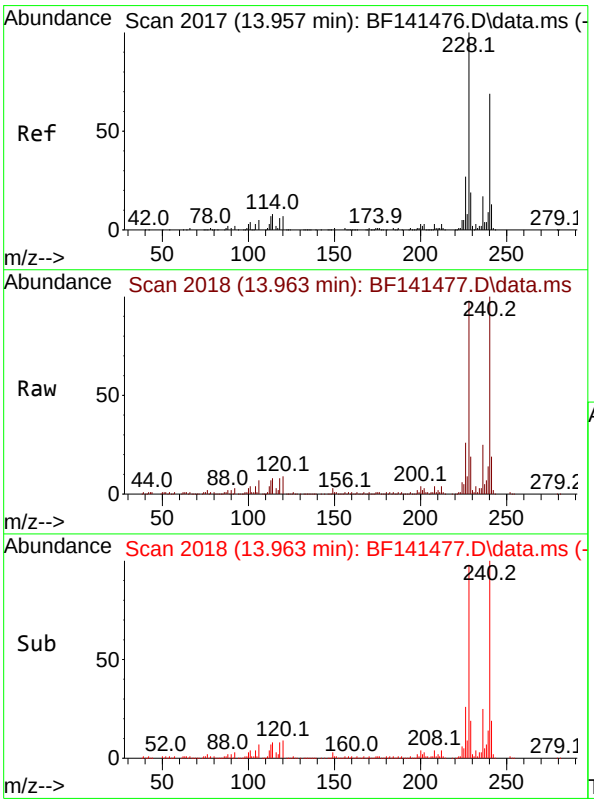
#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

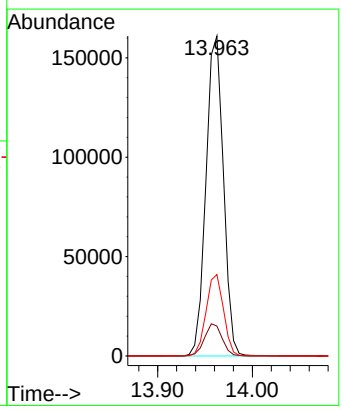


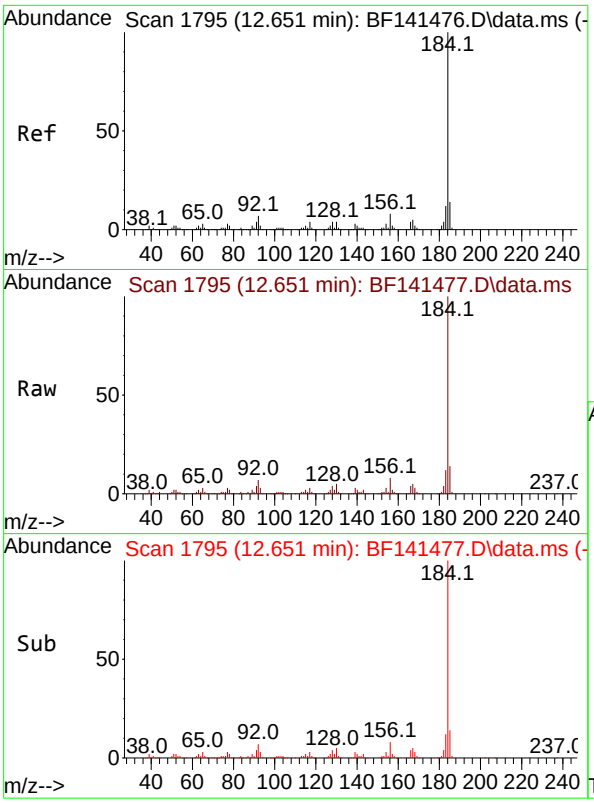


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



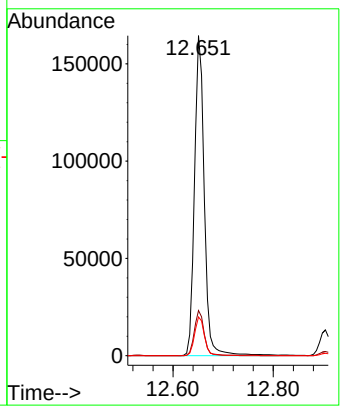


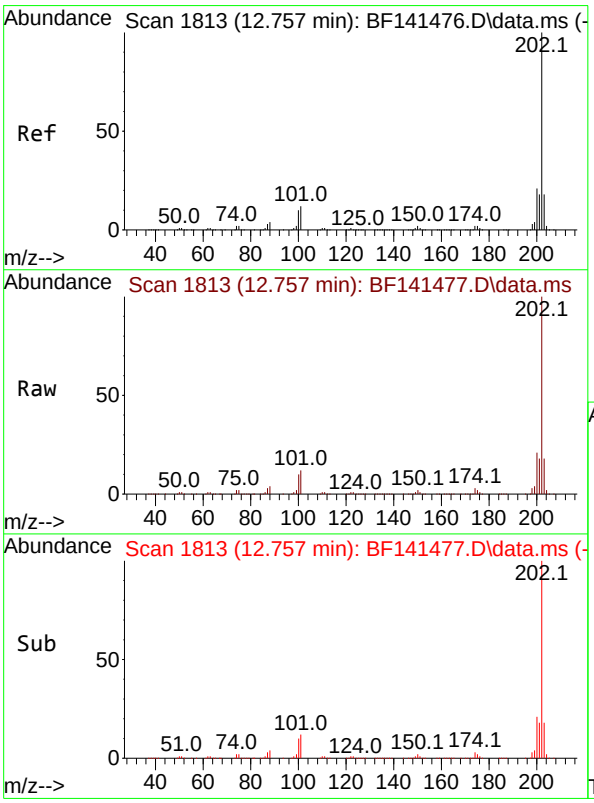
#77
Benzidine
Concen: 49.026 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

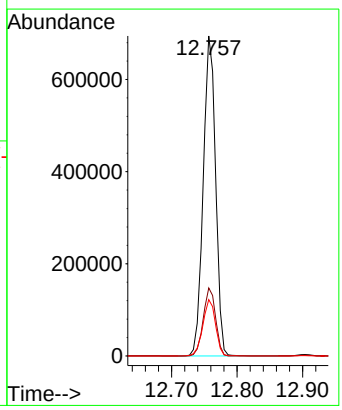


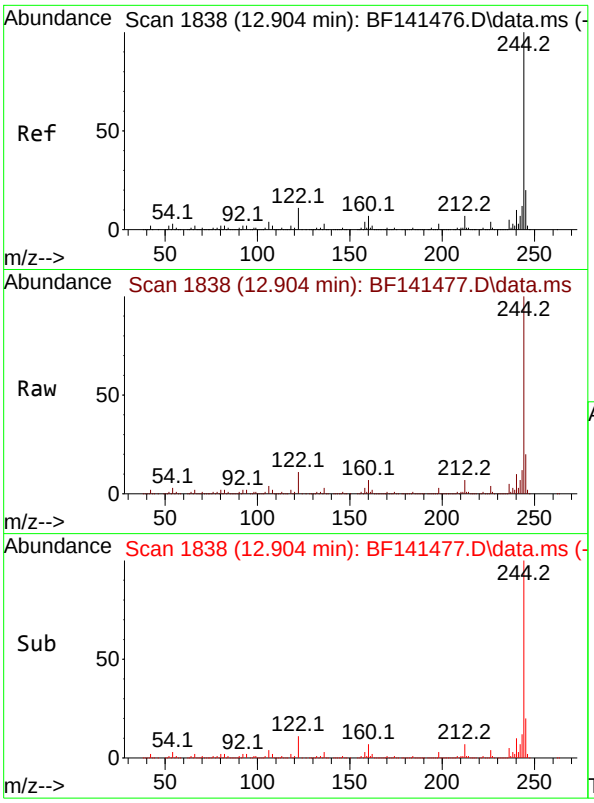


#78
Pyrene
Concen: 52.106 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



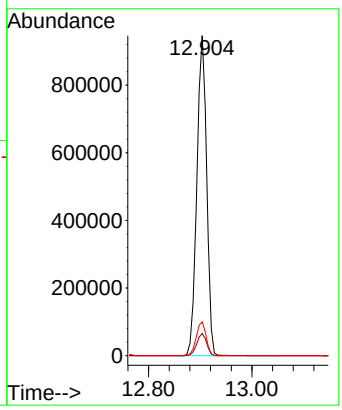


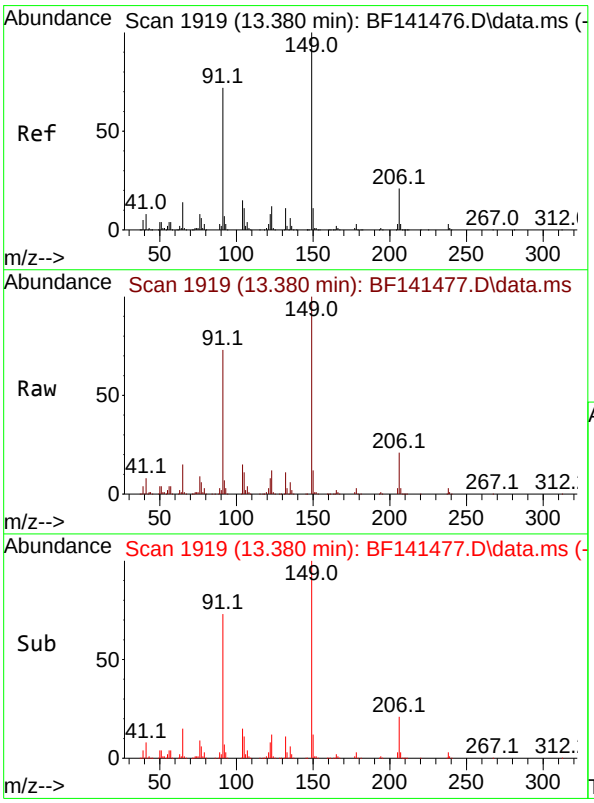
#79
Terphenyl-d14
Concen: 102.010 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

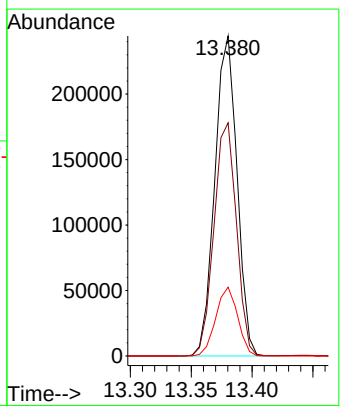


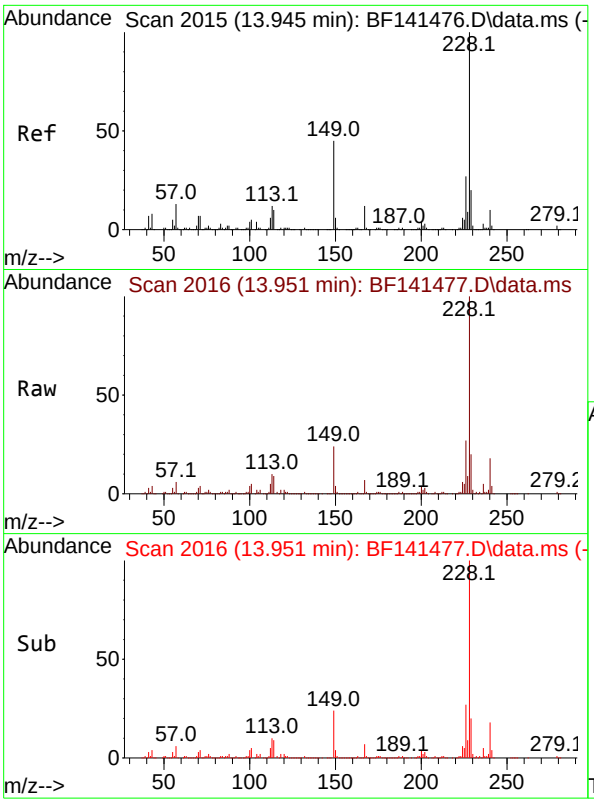


#80
Butylbenzylphthalate
Concen: 51.168 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



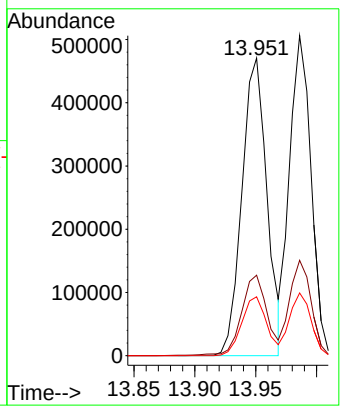


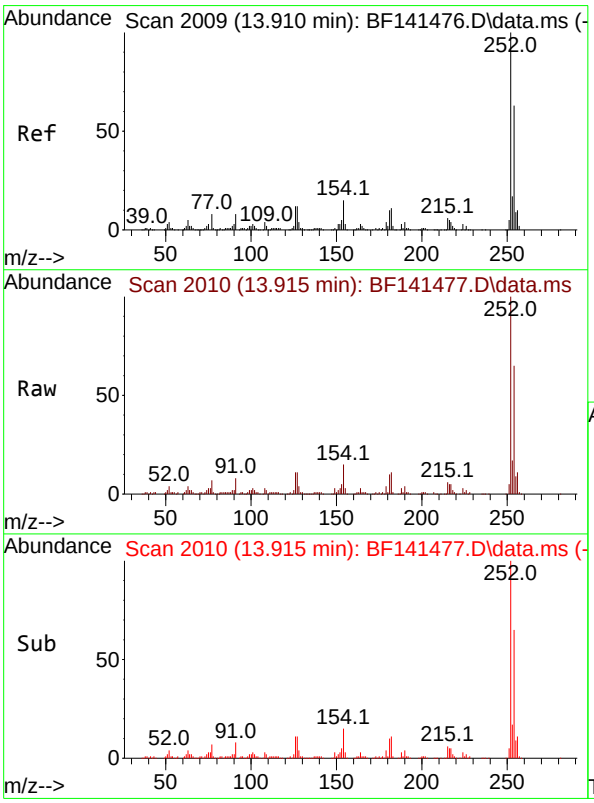
#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

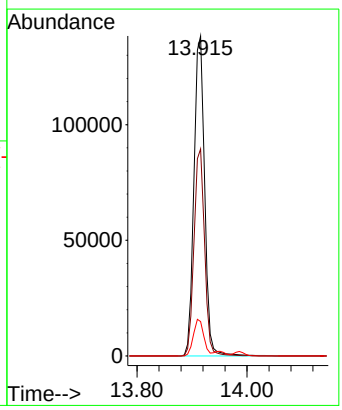


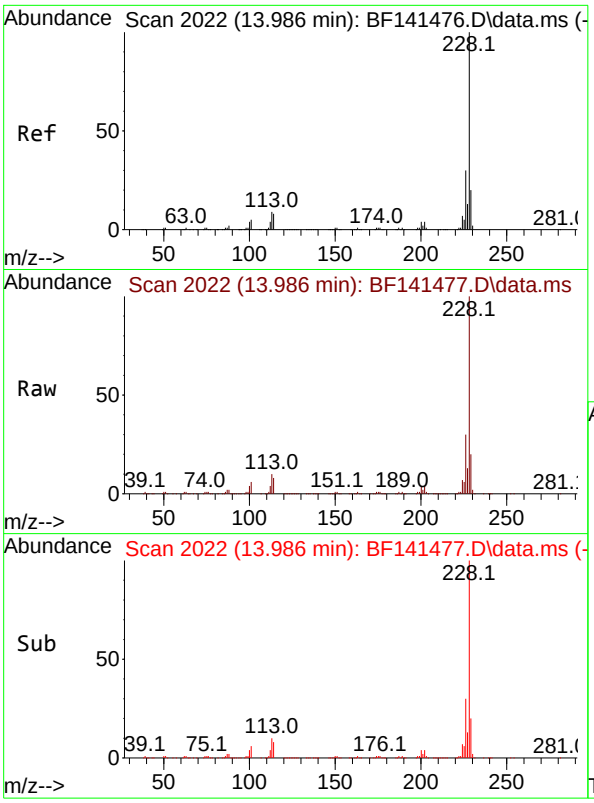


#82
3,3'-Dichlorobenzidine
Concen: 47.650 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



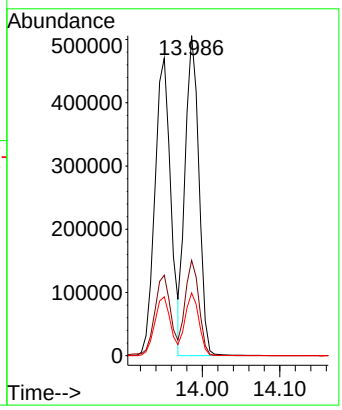


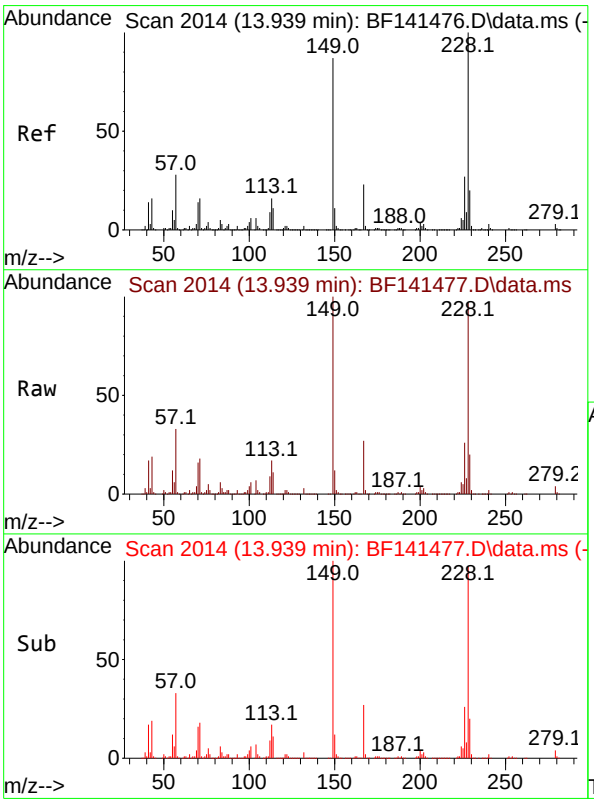
#83
Chrysene
Concen: 49.505 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

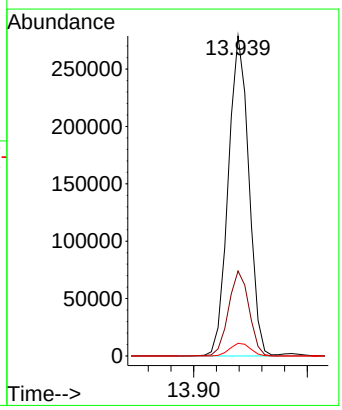


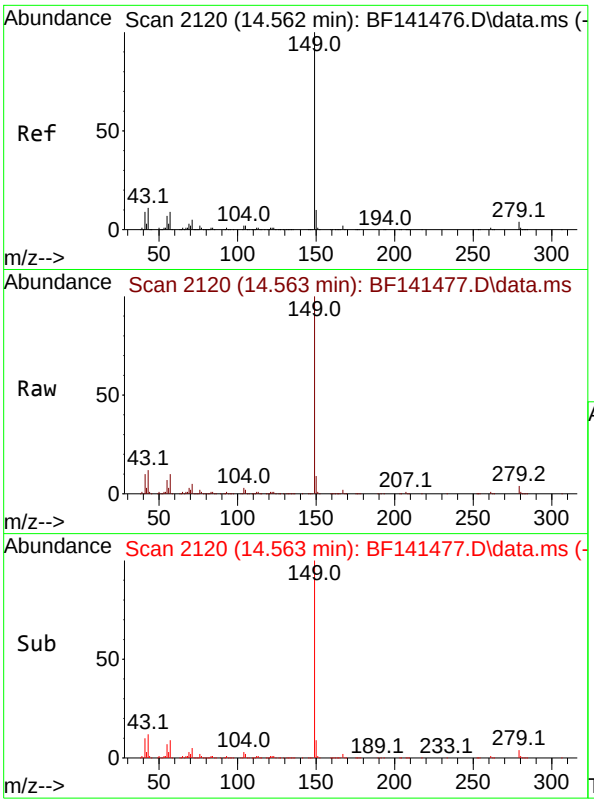


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.138 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



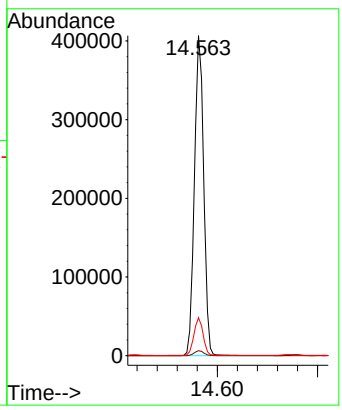


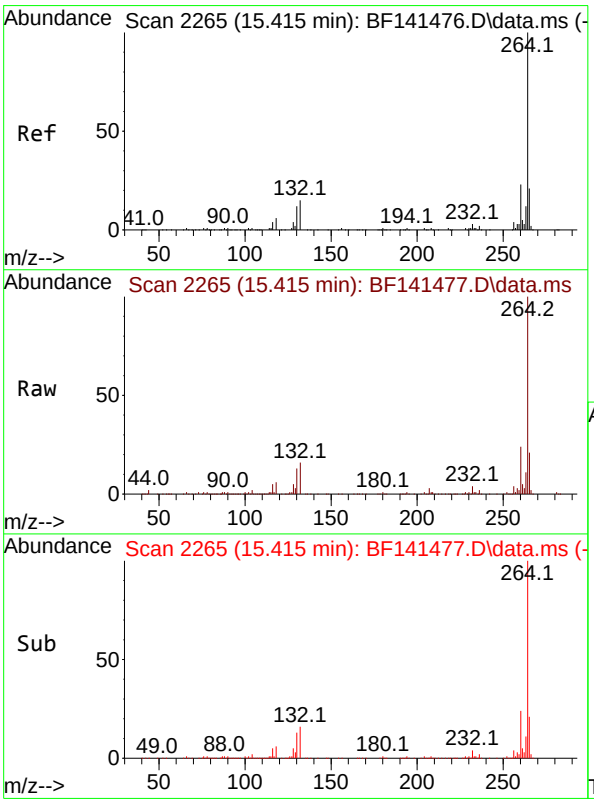
#85
Di-n-octyl phthalate
Concen: 53.213 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

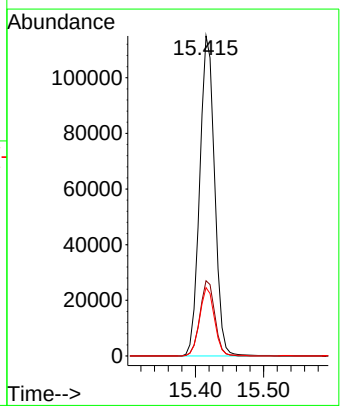


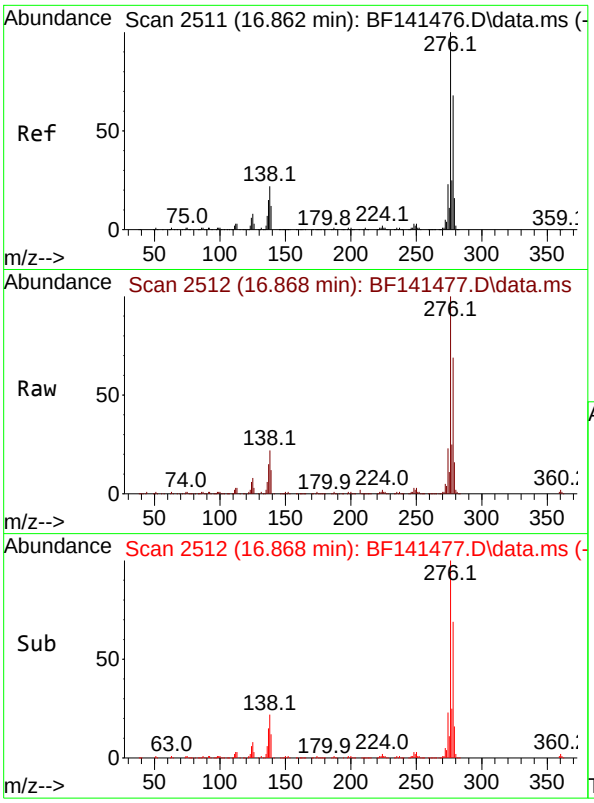


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



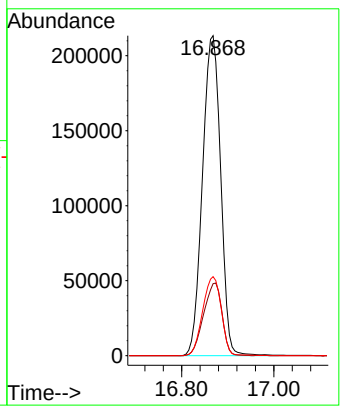


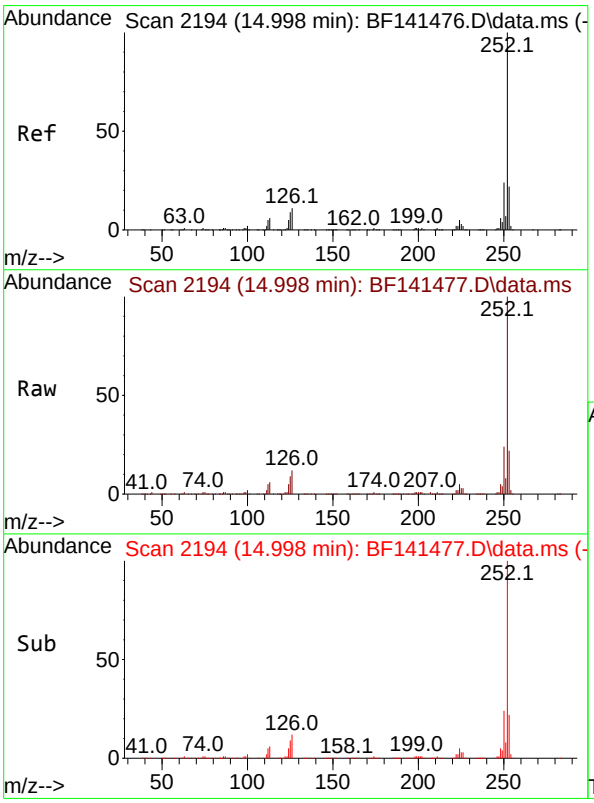
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.277 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

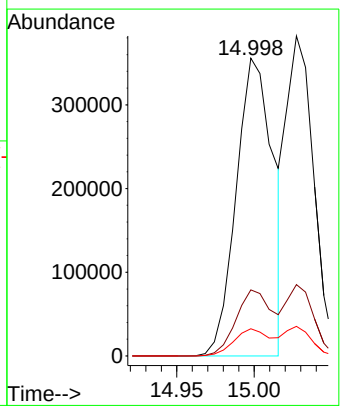


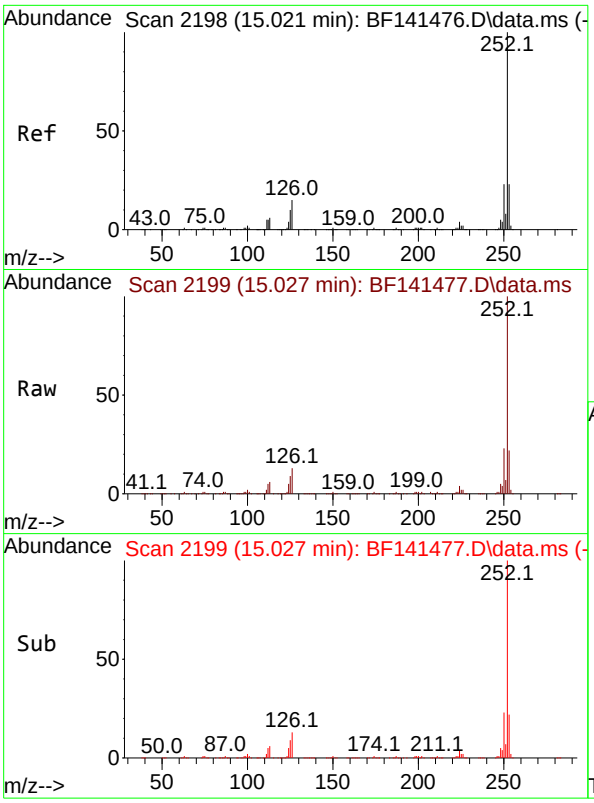


#88
Benzo(b)fluoranthene
Concen: 50.251 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



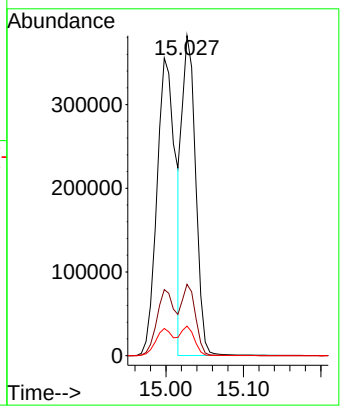


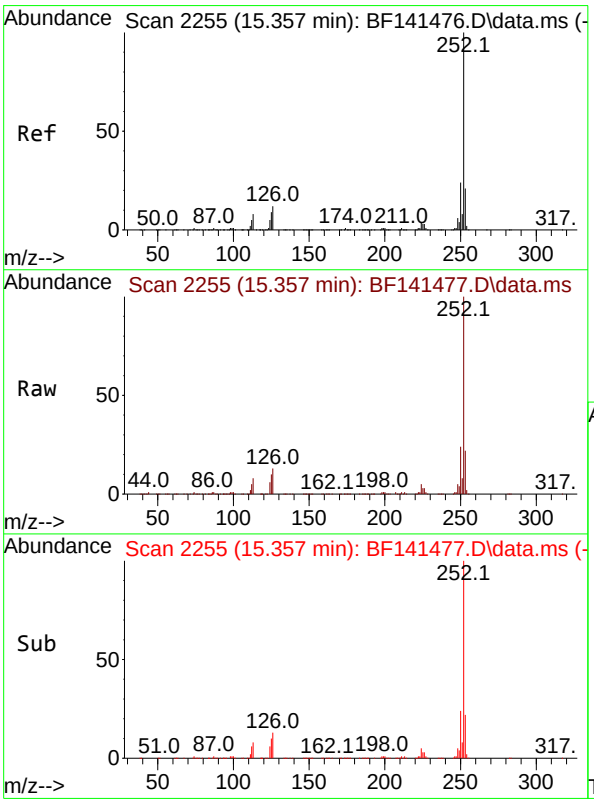
#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

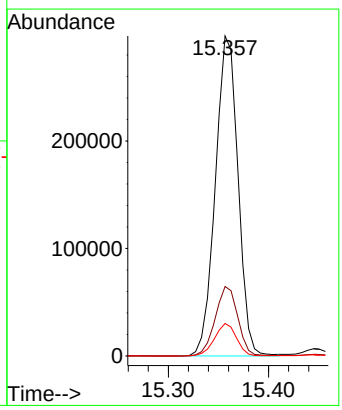


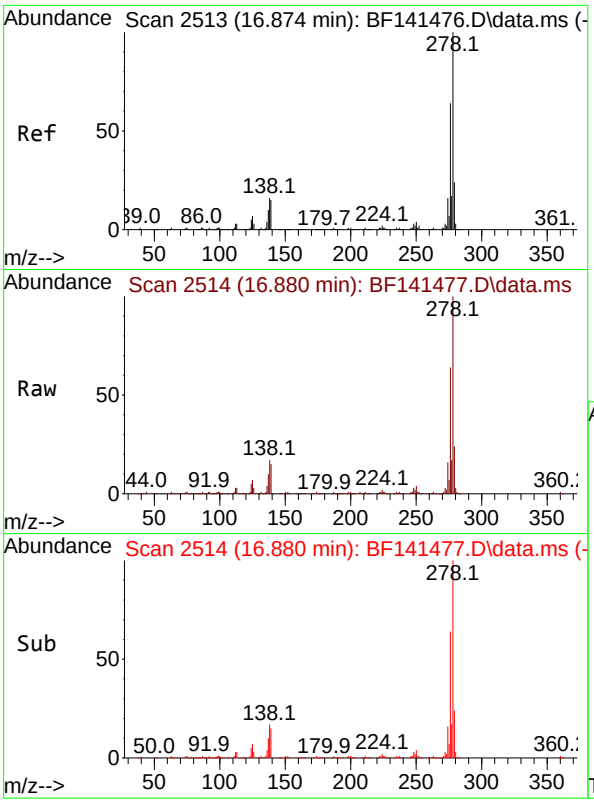


#90
Benzo(a)pyrene
Concen: 49.173 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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



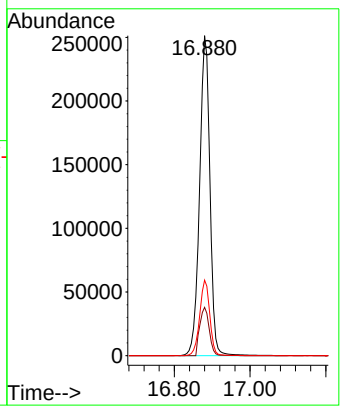


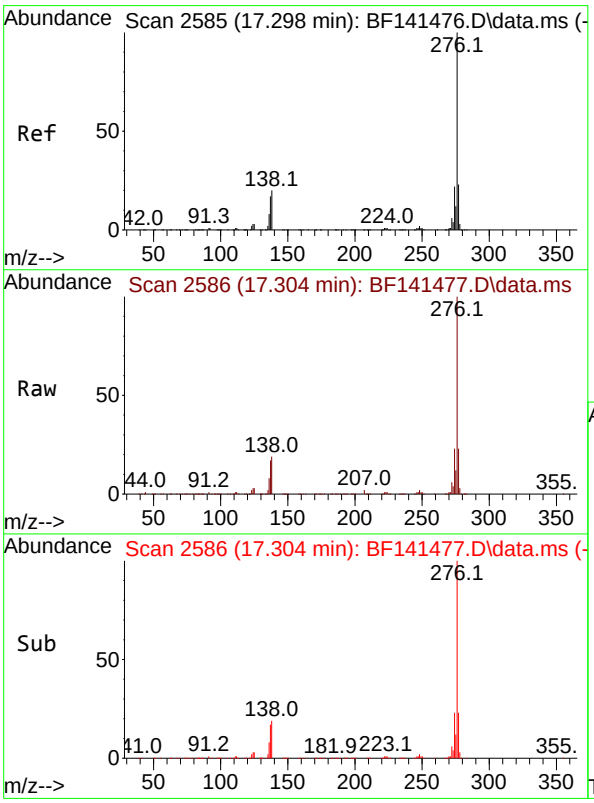
#91
Dibenzo(a,h)anthracene
Concen: 54.503 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

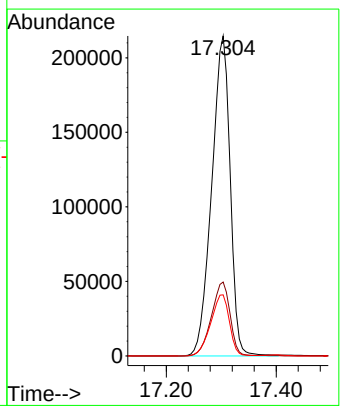




#92
Benzo(g,h,i)perylene
Concen: 54.592 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

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

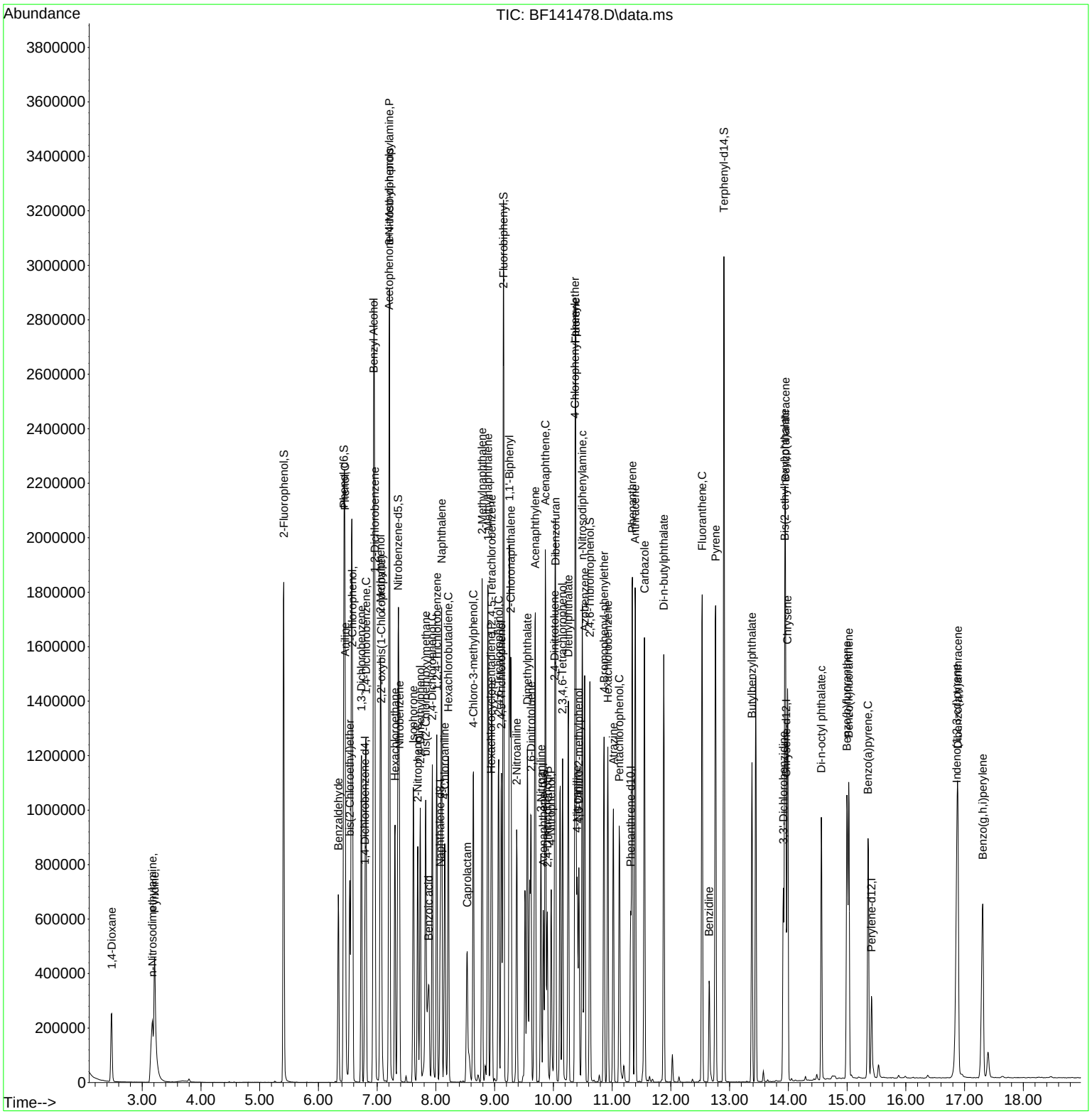
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	229006	60.519	ng	98
46) 1,1'-Biphenyl	9.251	154	861067	59.479	ng	100
47) 2-Chloronaphthalene	9.275	162	636511	59.459	ng	99
48) 2-Nitroaniline	9.375	65	224709	62.547	ng	99
49) Acenaphthylene	9.692	152	946382	59.436	ng	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

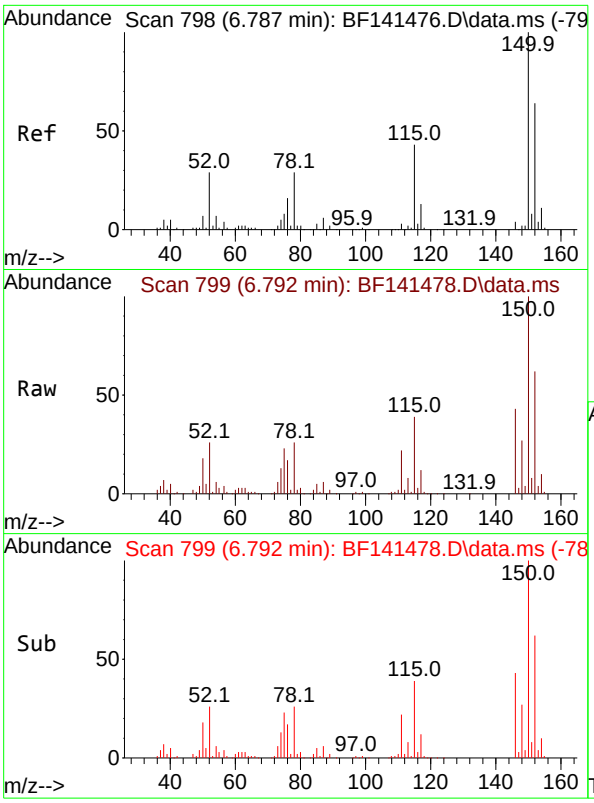
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



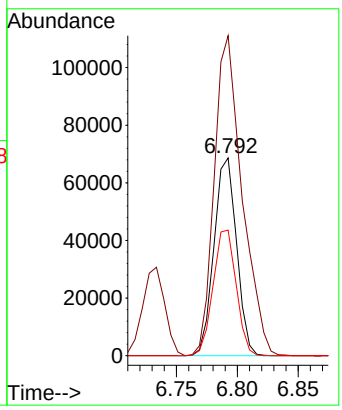


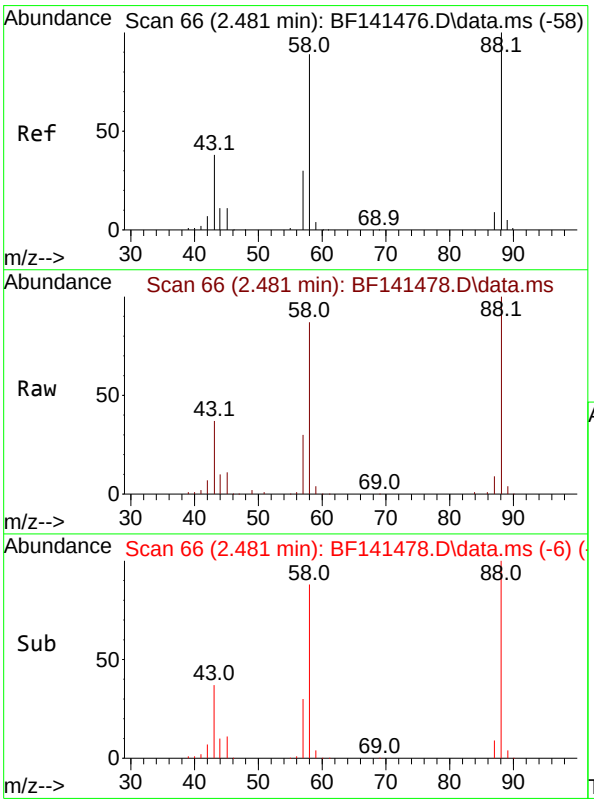
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

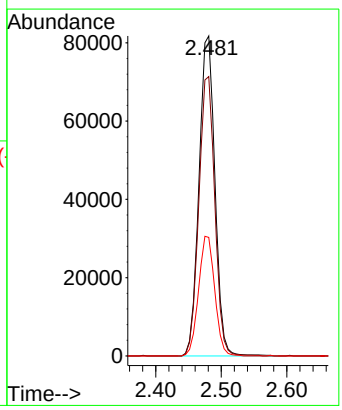


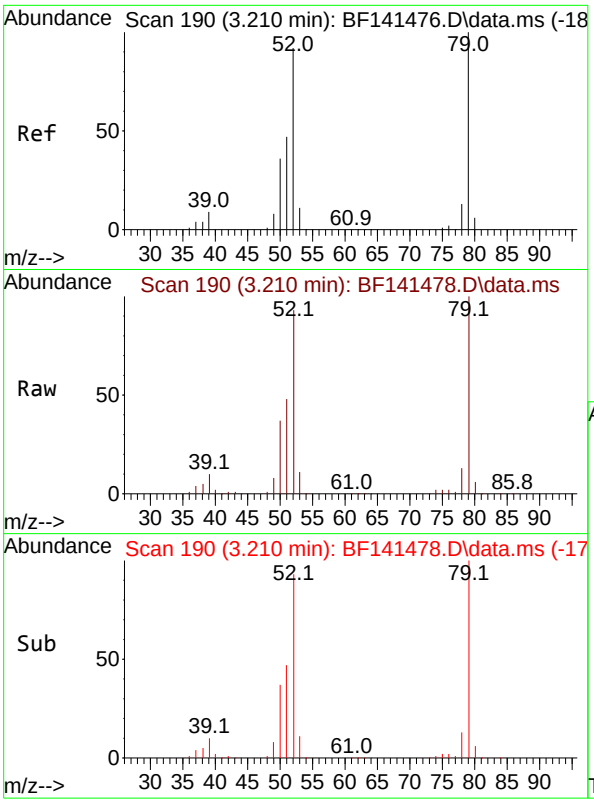


#2
1,4-Dioxane
Concen: 60.929 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



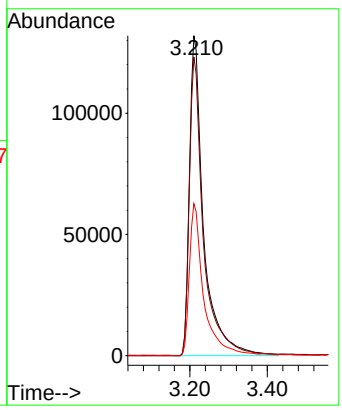


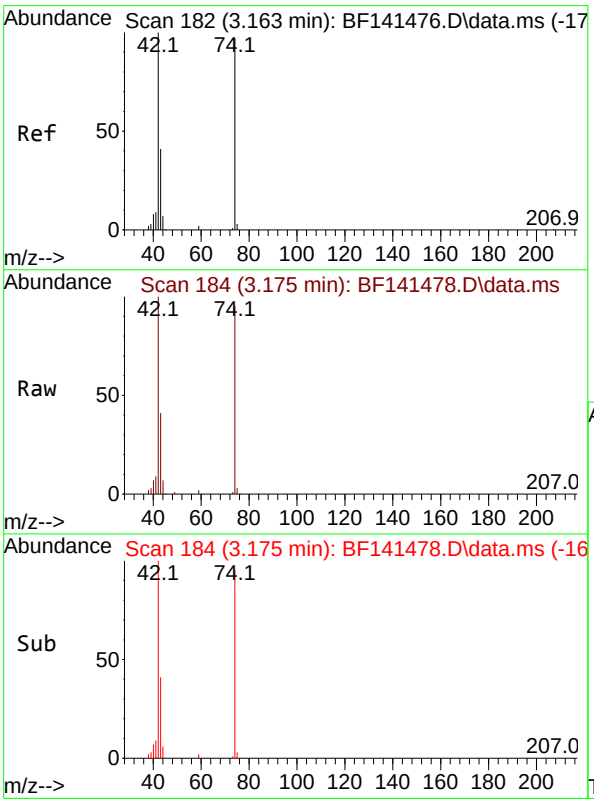
#3
Pyridine
Concen: 61.916 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

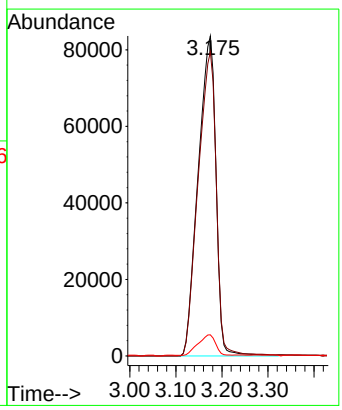


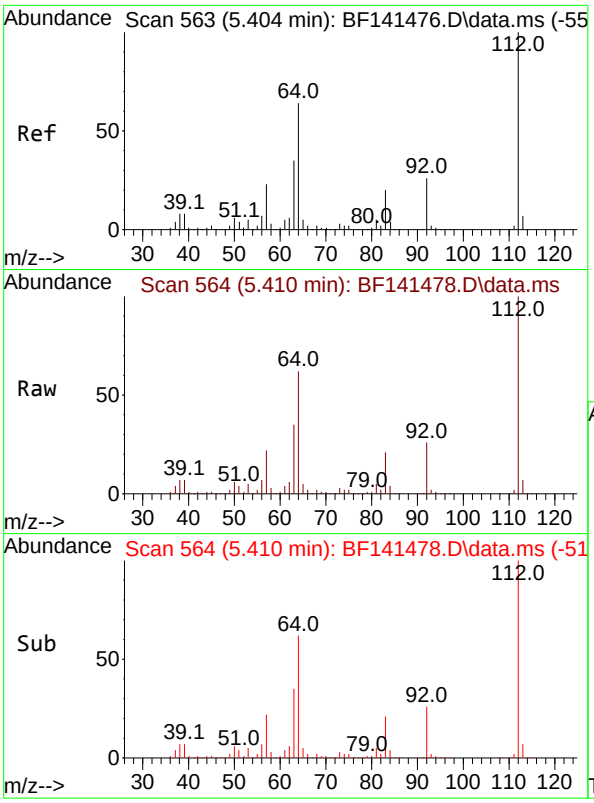


#4
n-Nitrosodimethylamine
Concen: 62.715 ng
RT: 3.175 min Scan# 184
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



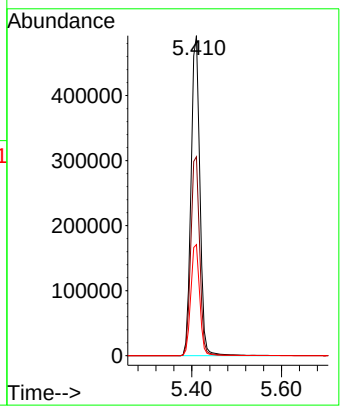


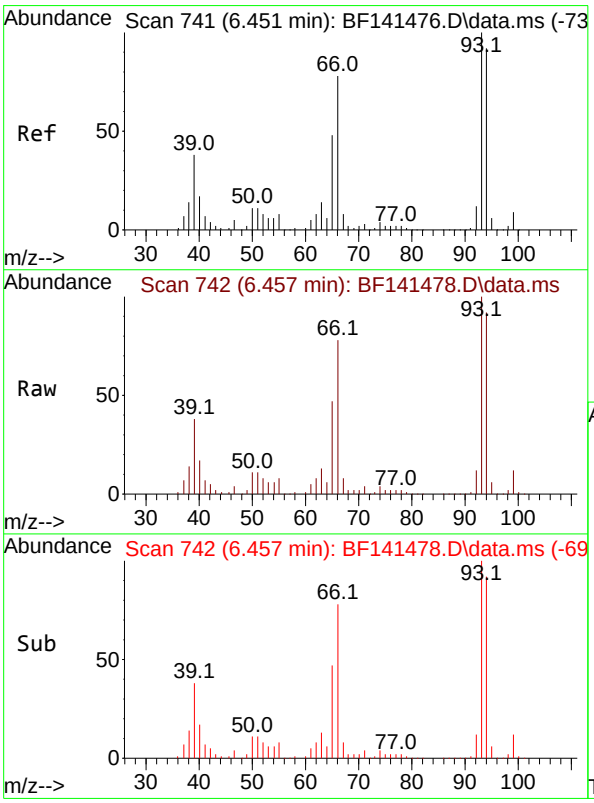
#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

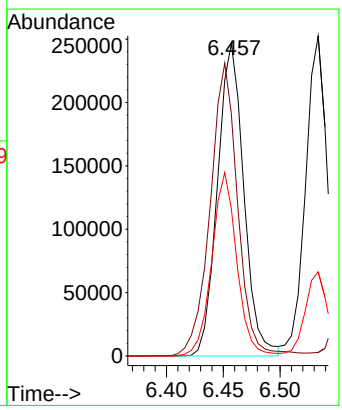


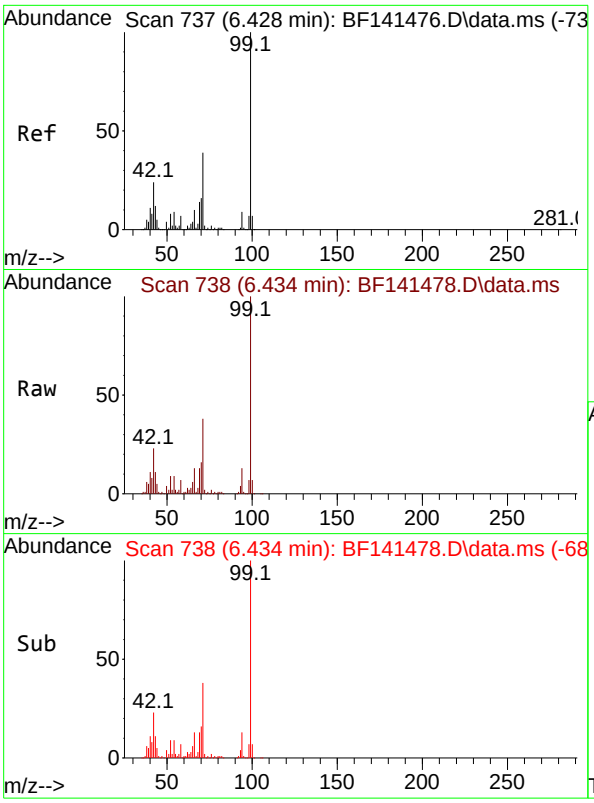


#6
Aniline
Concen: 59.254 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



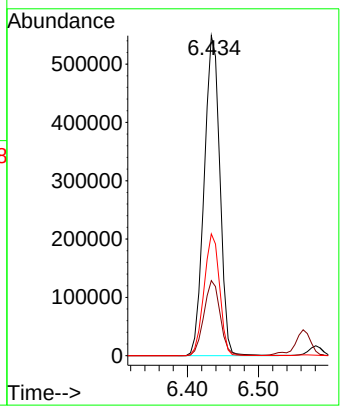


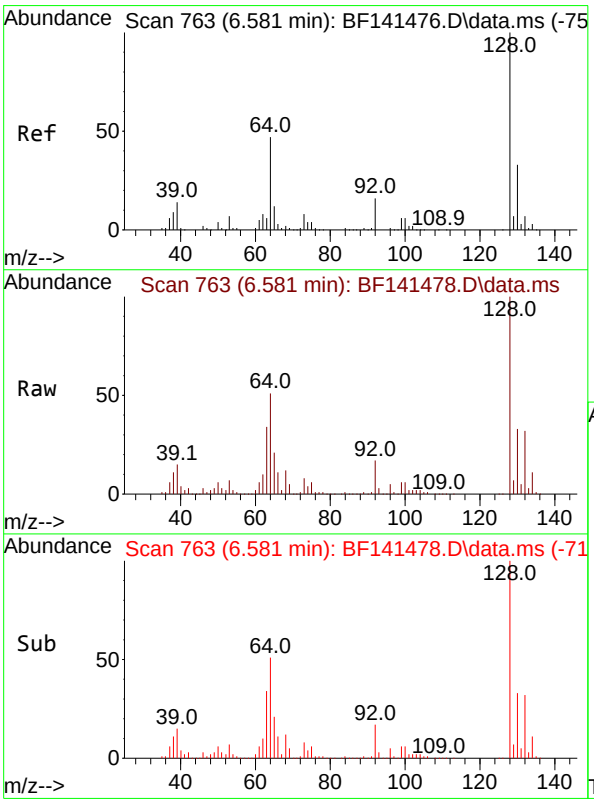
#7
Phenol-d6
Concen: 117.937 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

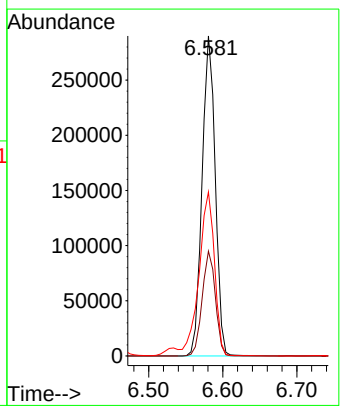


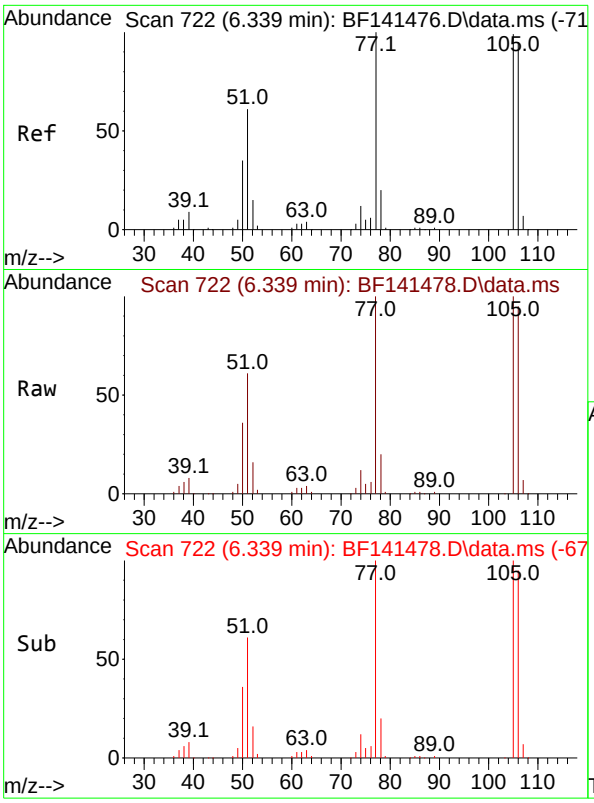


#8
2-Chlorophenol
Concen: 58.561 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



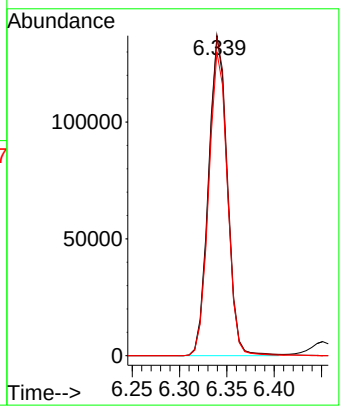


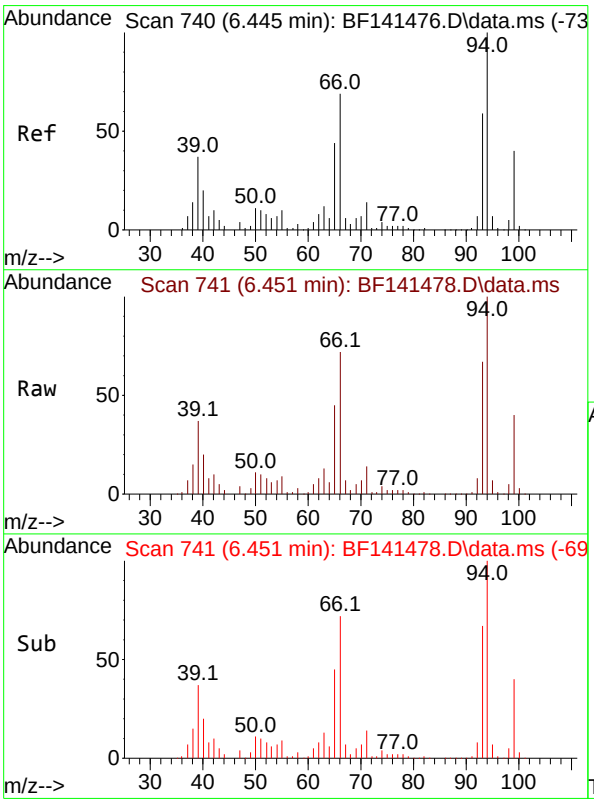
#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

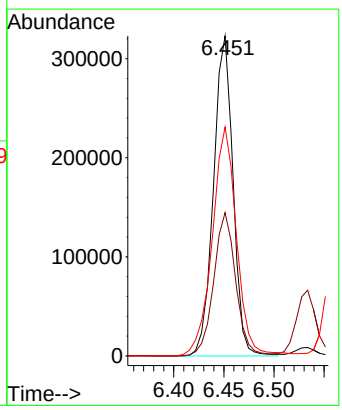


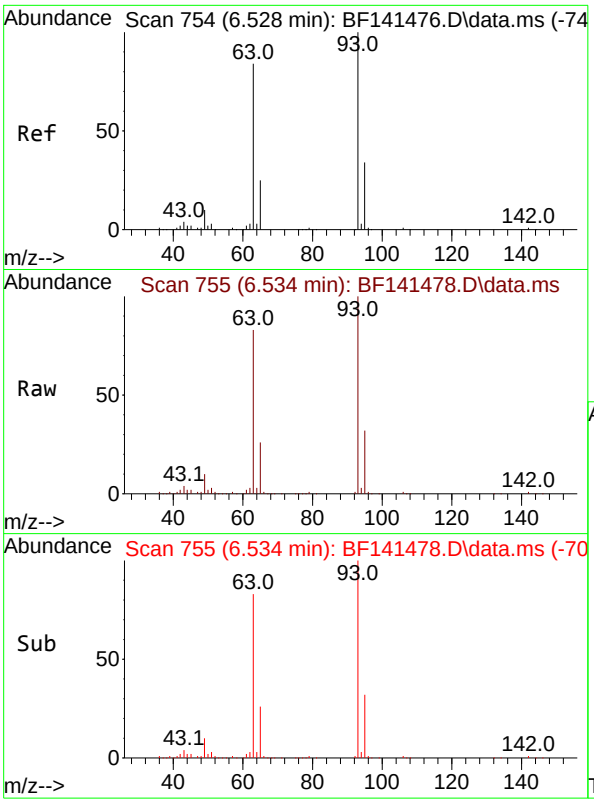


#10
Phenol
Concen: 58.782 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



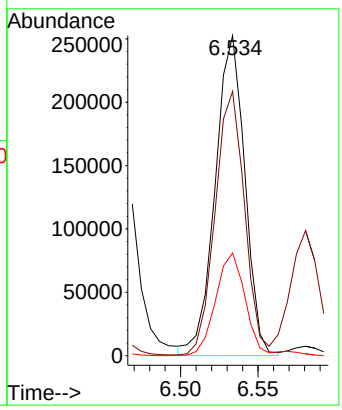


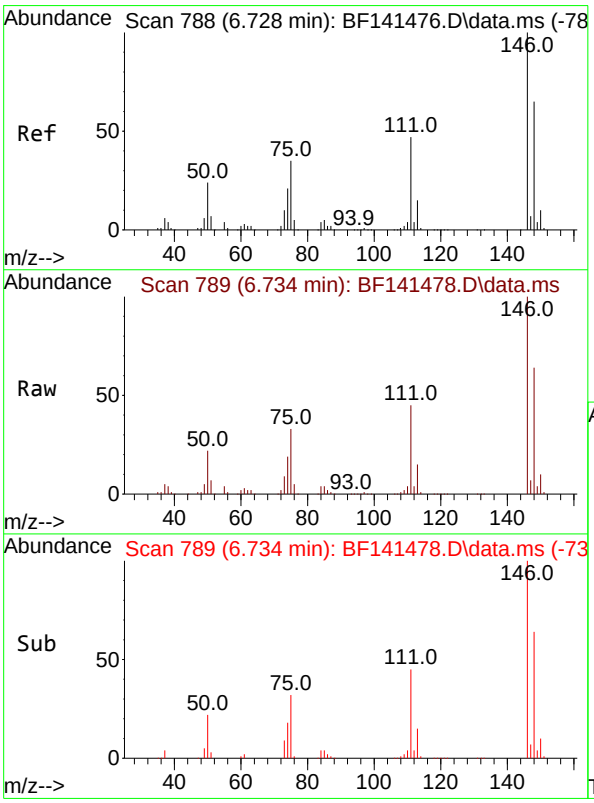
#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

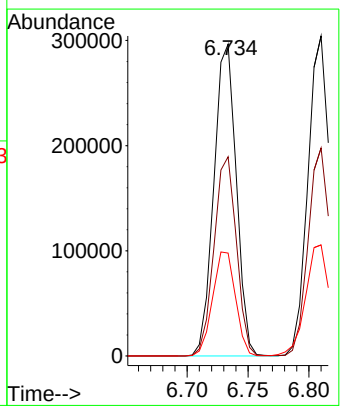


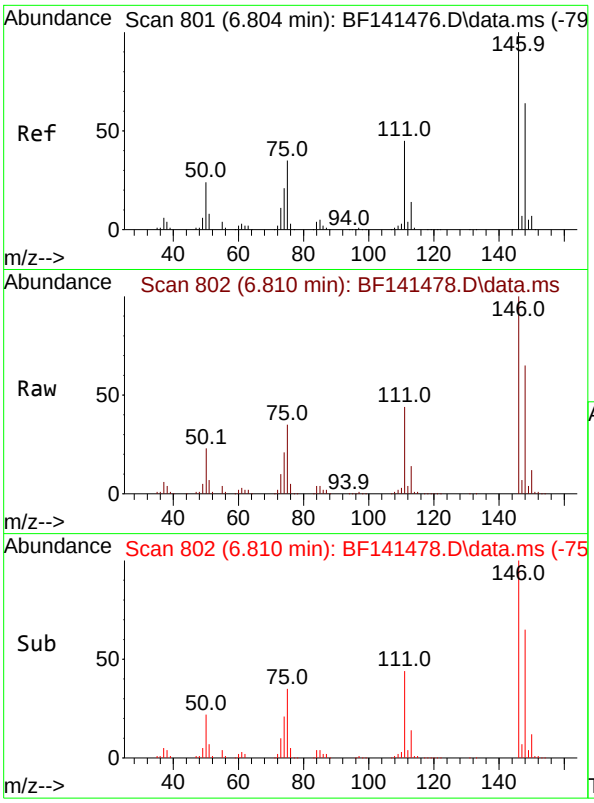


#12
1,3-Dichlorobenzene
Concen: 58.941 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



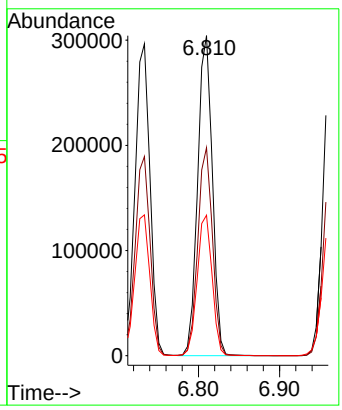


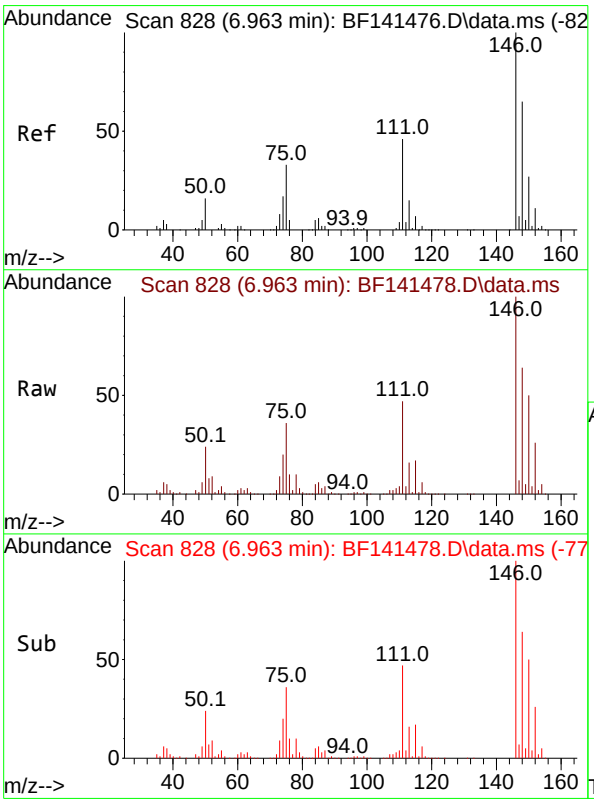
#13
1,4-Dichlorobenzene
Concen: 58.050 ng
RT: 6.810 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

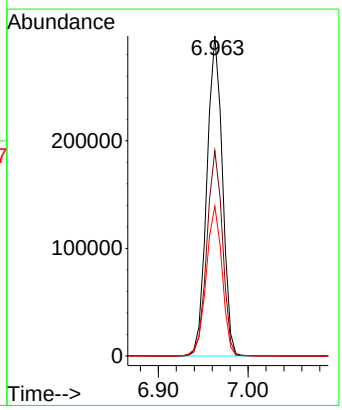


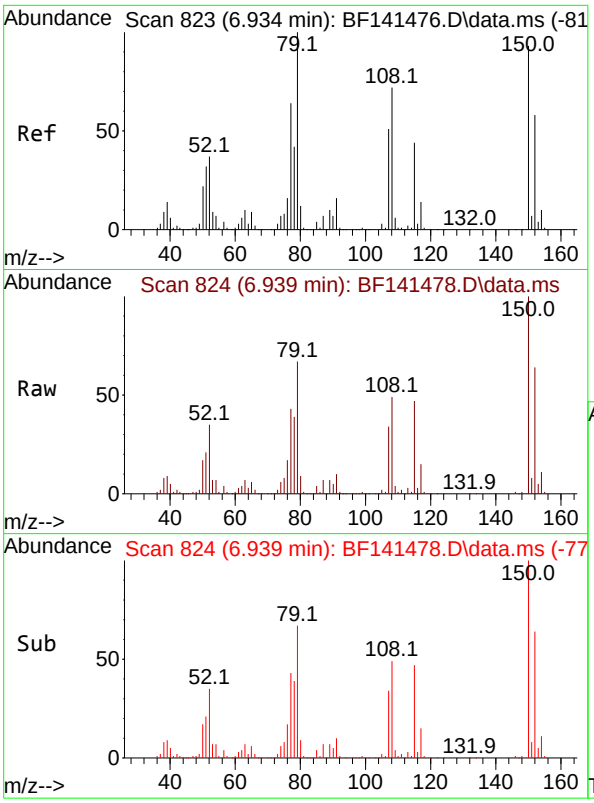


#14
1,2-Dichlorobenzene
Concen: 58.465 ng
RT: 6.963 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



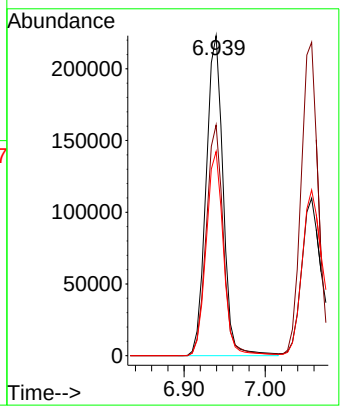


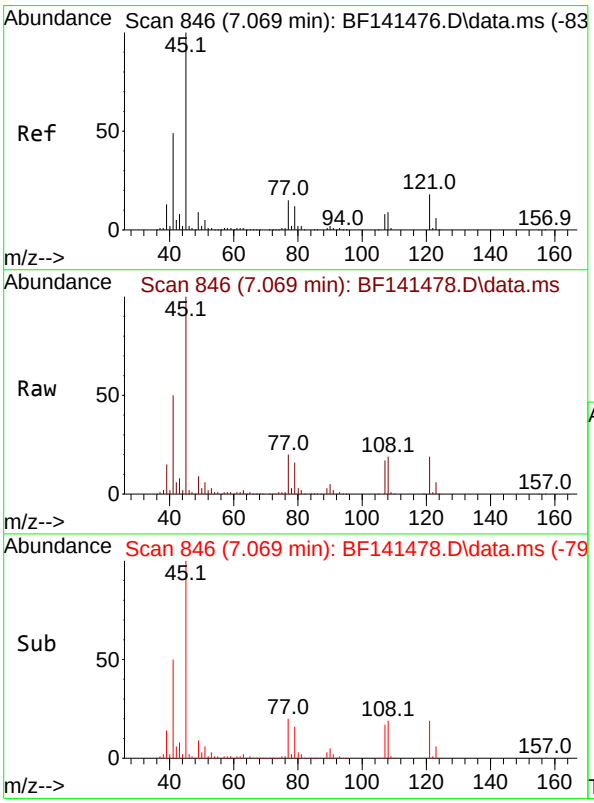
#15
Benzyl Alcohol
Concen: 59.125 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

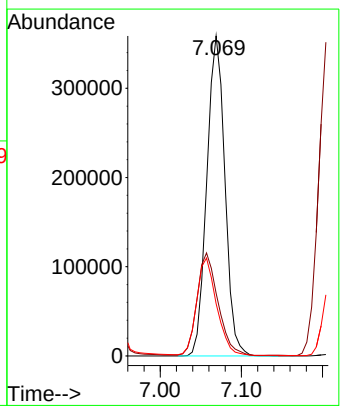


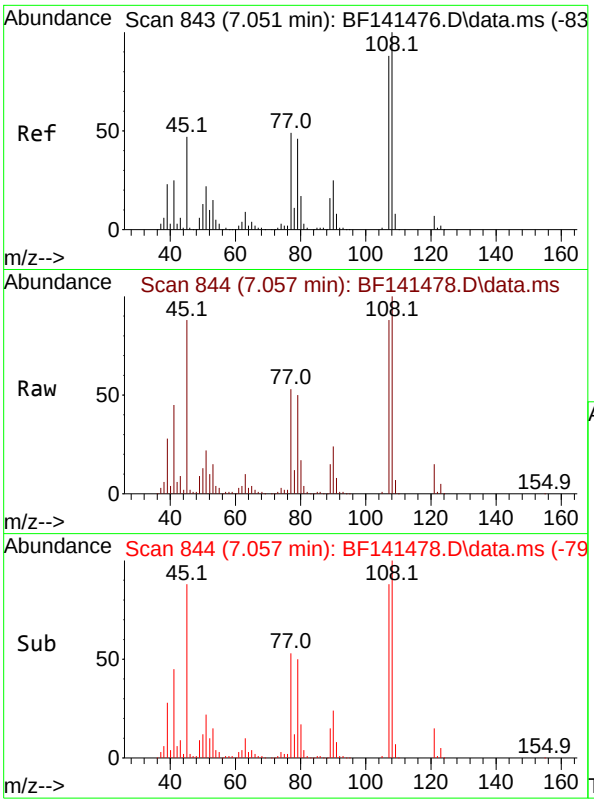


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.883 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



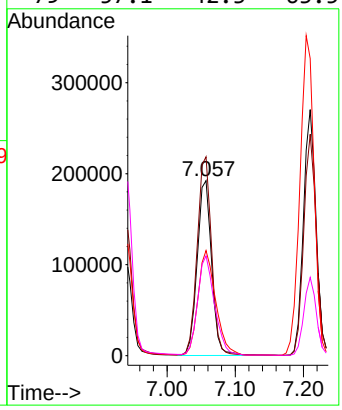


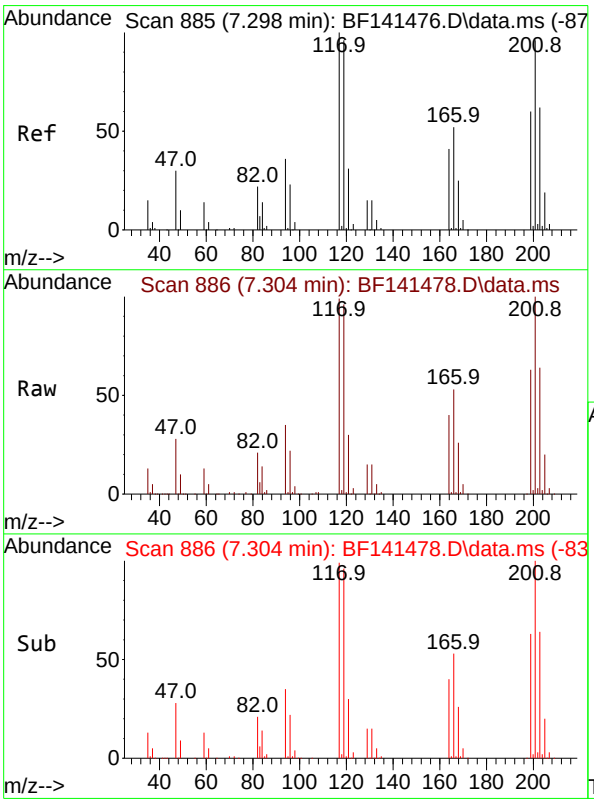
#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

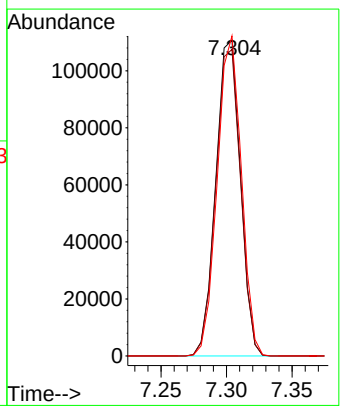


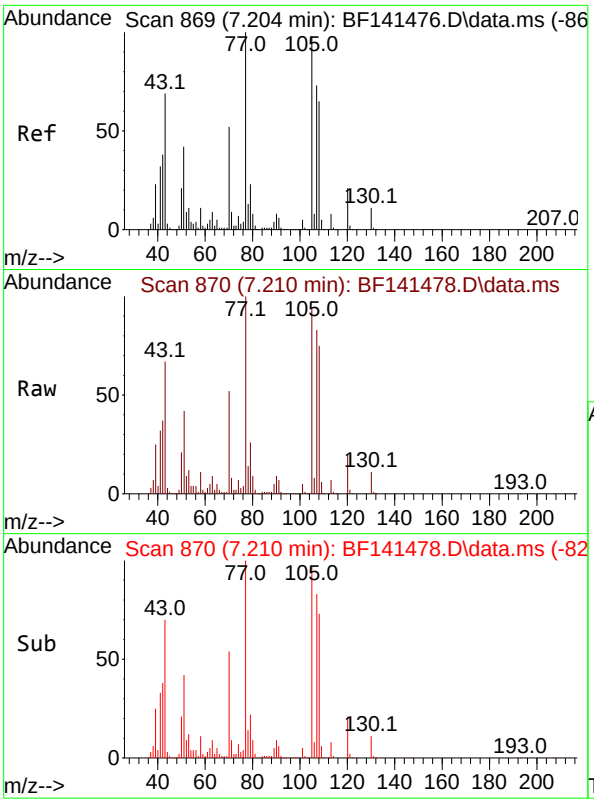


#18
Hexachloroethane
Concen: 59.337 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



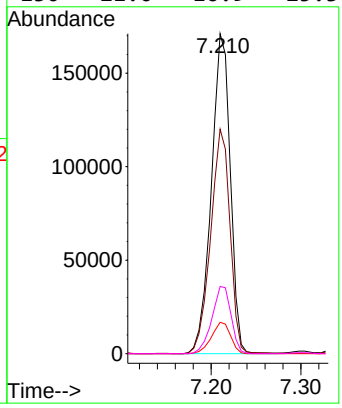


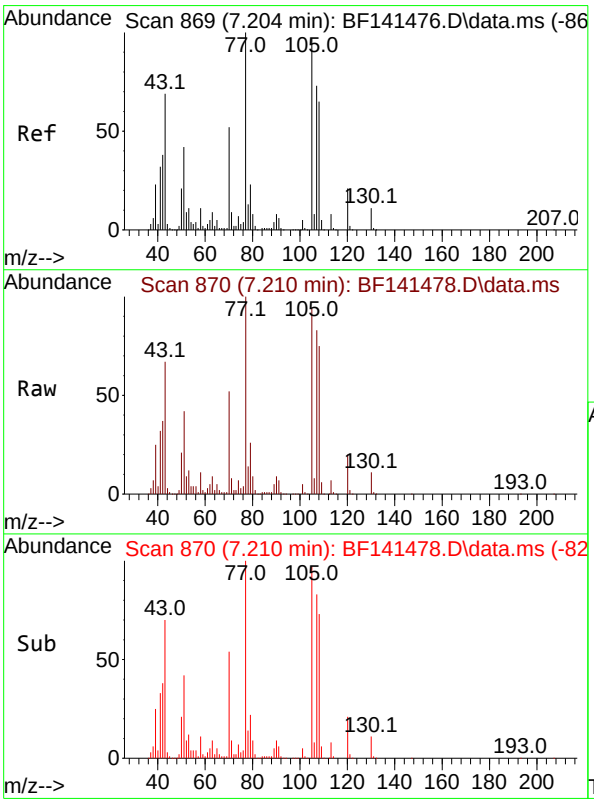
#19
n-Nitroso-di-n-propylamine
Concen: 58.540 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

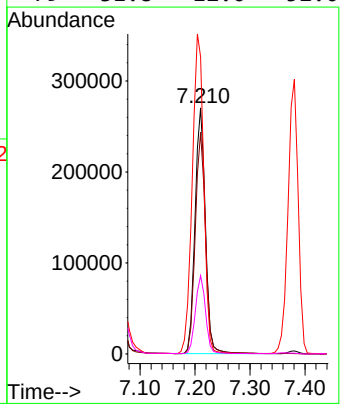


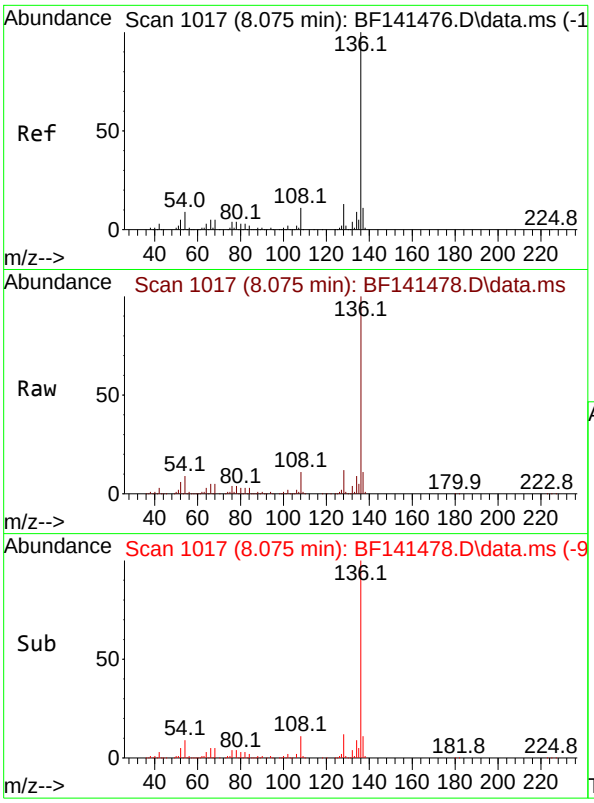


#20
3+4-Methylphenols
Concen: 57.722 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



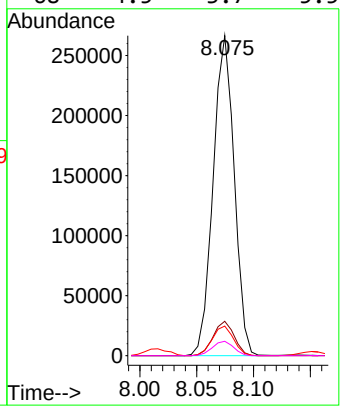


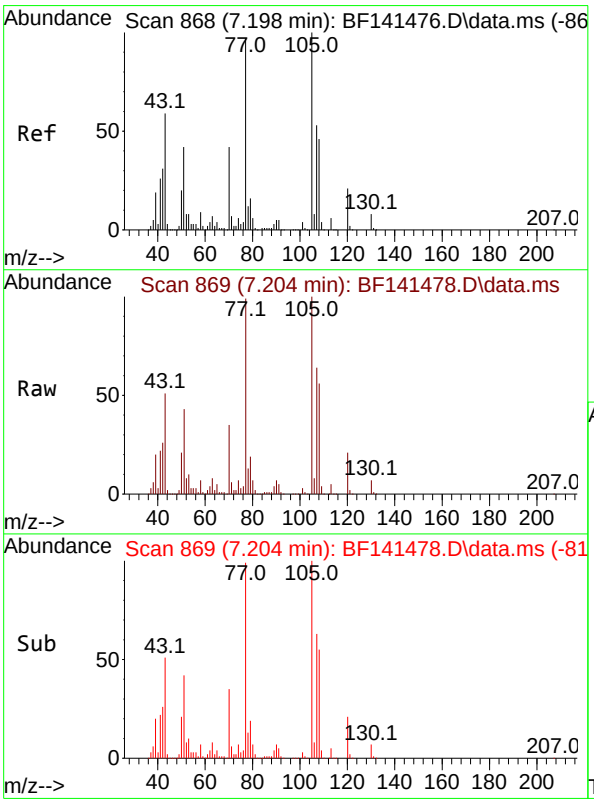
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

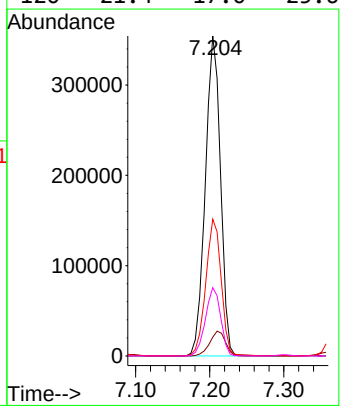


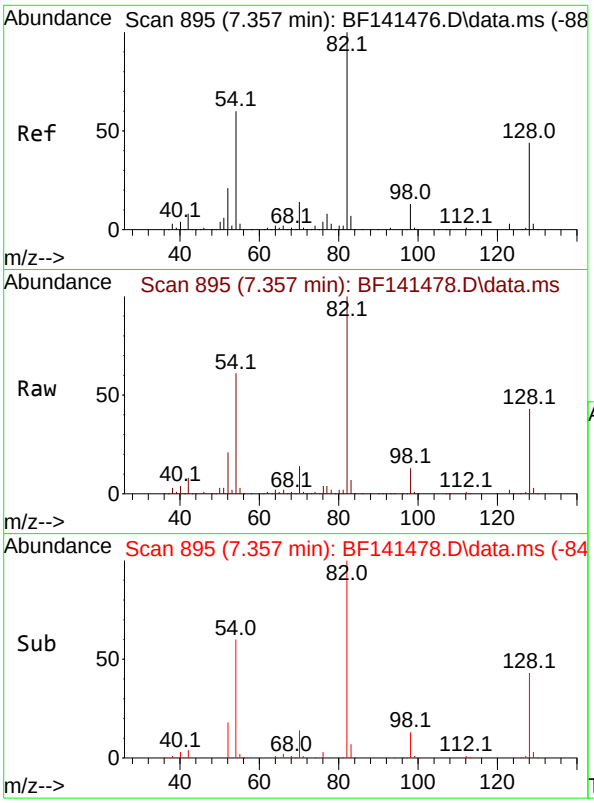


#22
Acetophenone
Concen: 58.828 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



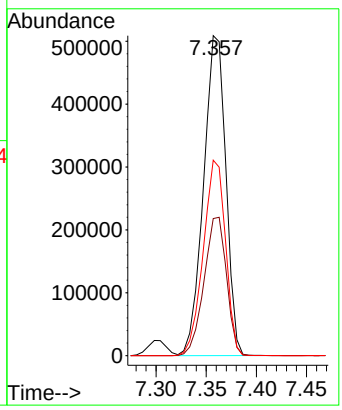


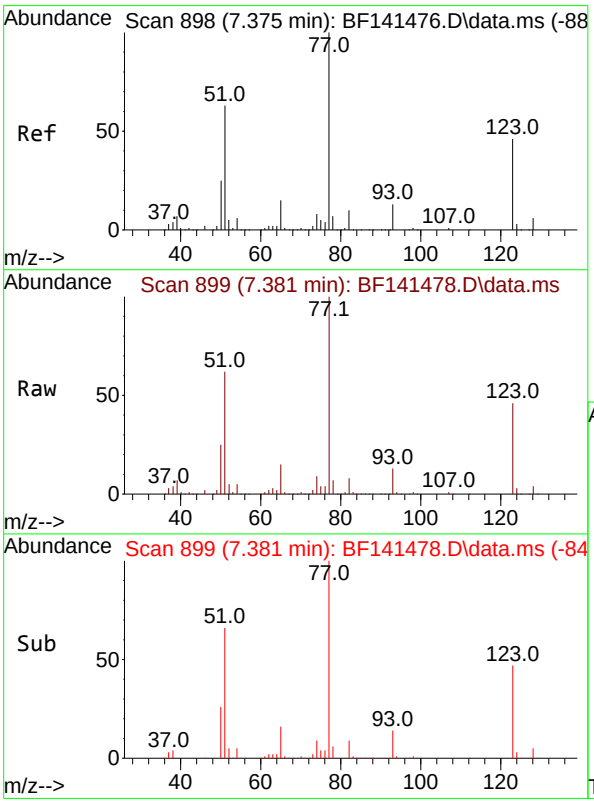
#23
Nitrobenzene-d5
Concen: 119.351 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

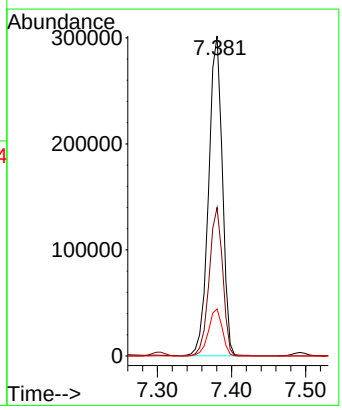


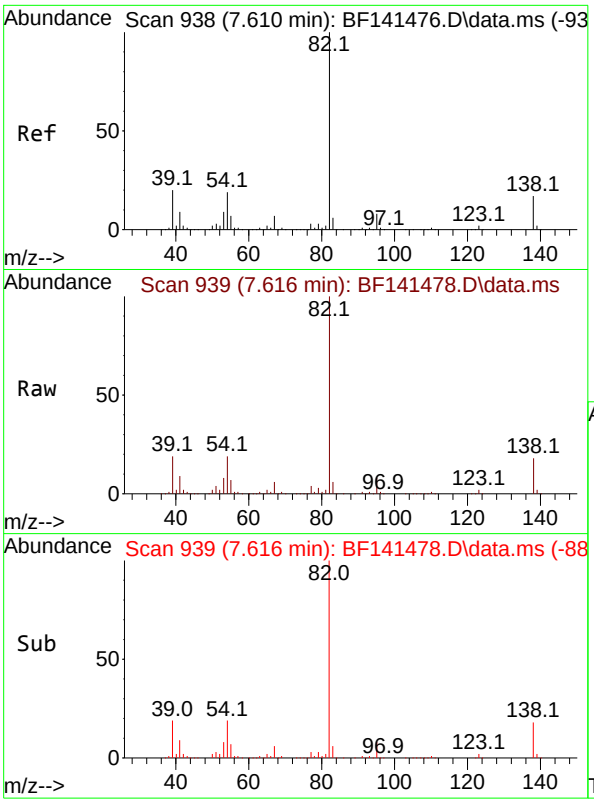


#24
Nitrobenzene
Concen: 60.096 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



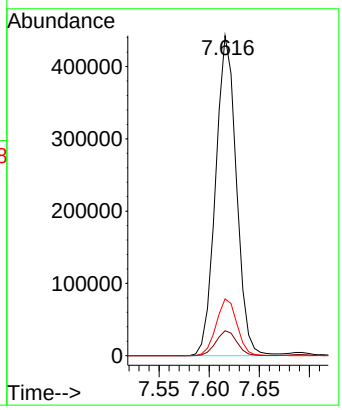


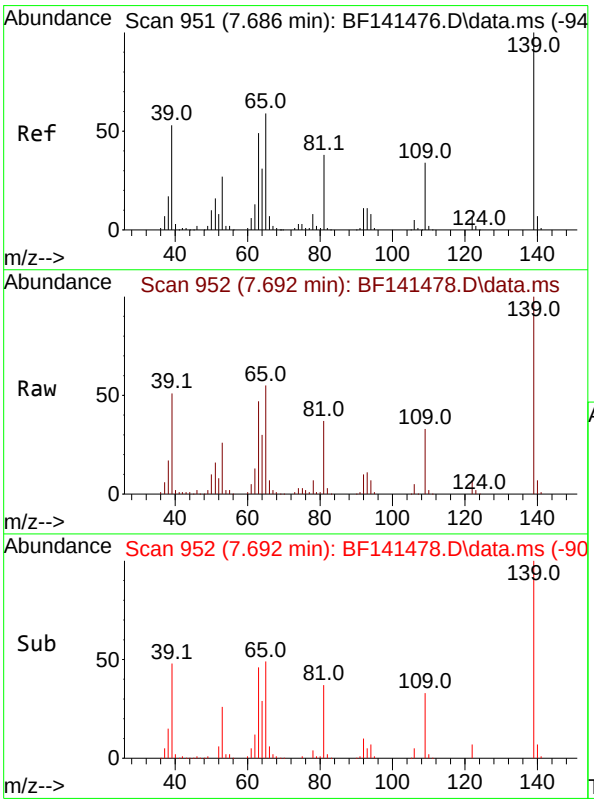
#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

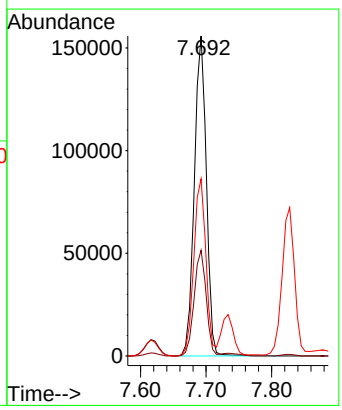


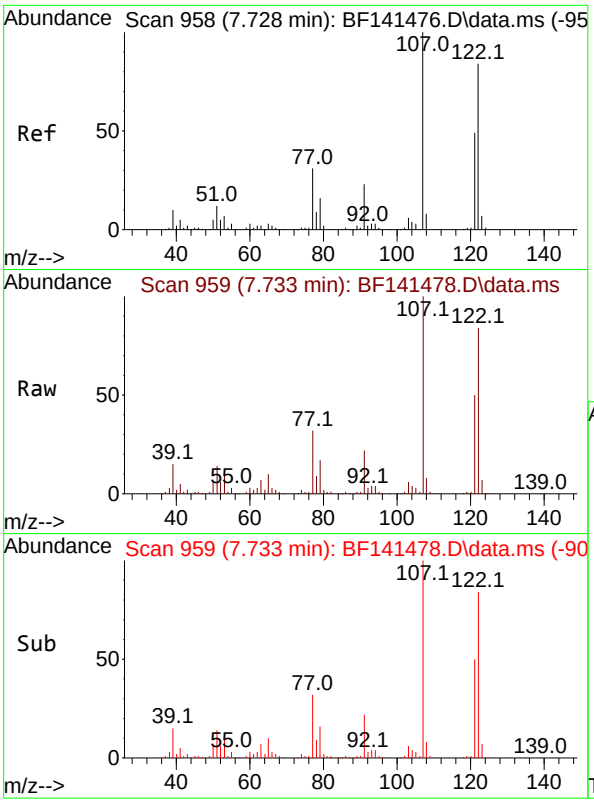


#26
2-Nitrophenol
Concen: 62.128 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



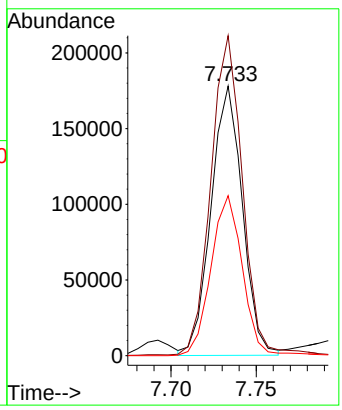


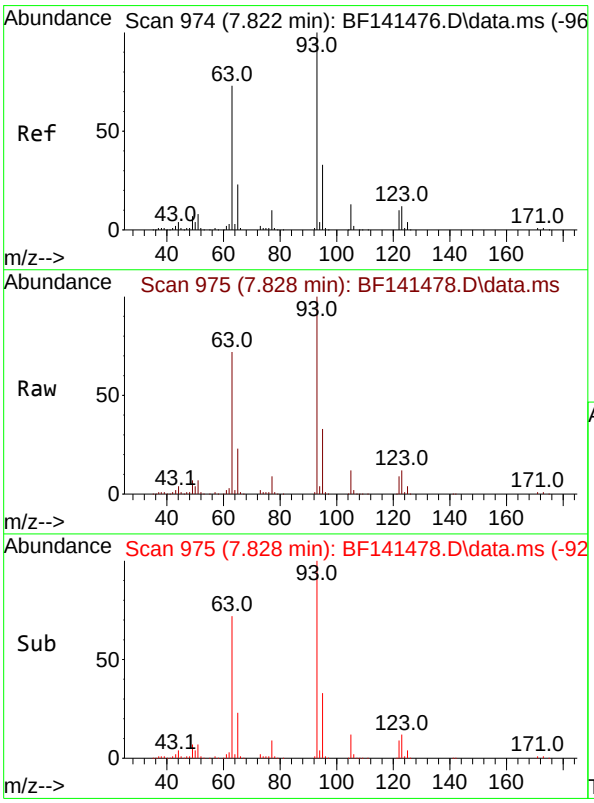
#27
2,4-Dimethylphenol
Concen: 60.836 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

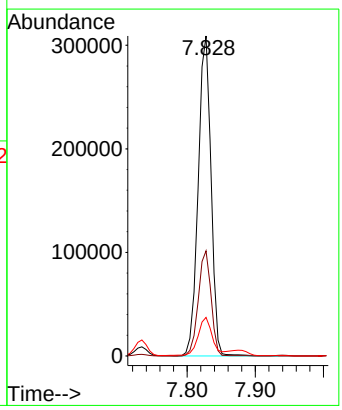


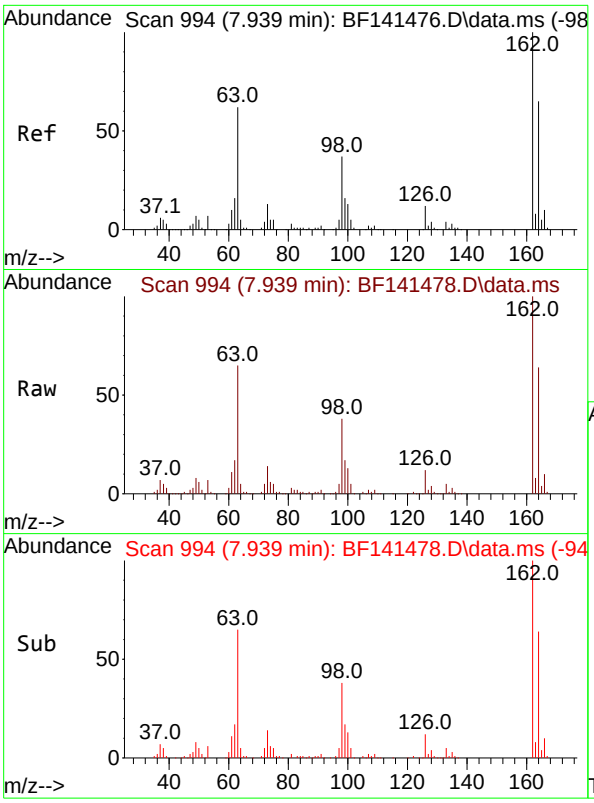


#28
bis(2-Chloroethoxy)methane
Concen: 59.877 ng
RT: 7.828 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



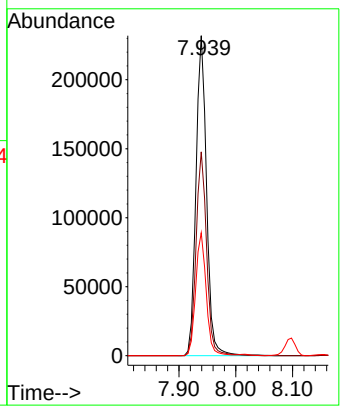


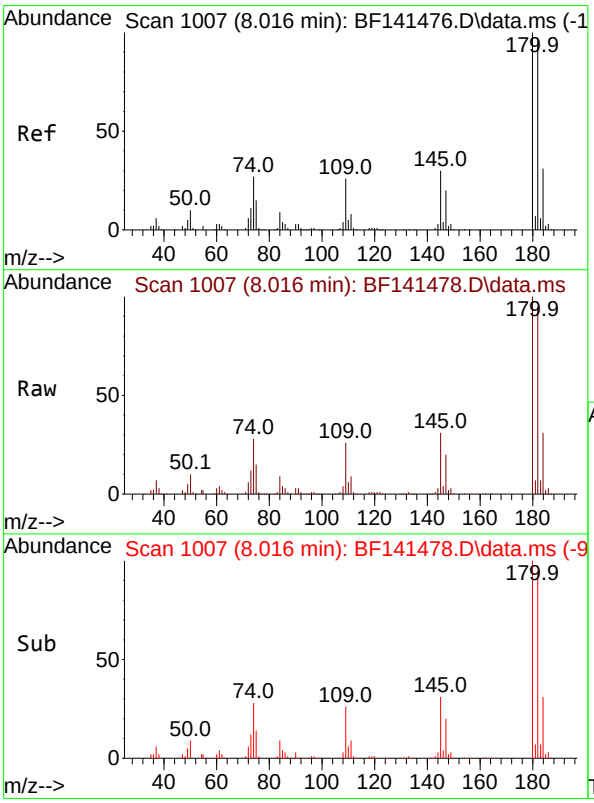
#29
2,4-Dichlorophenol
Concen: 59.683 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

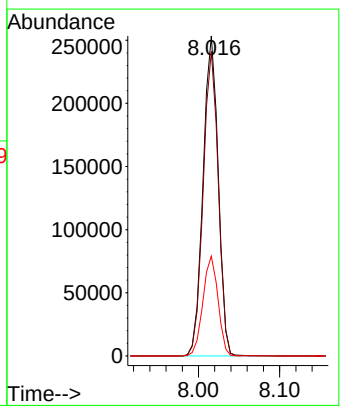


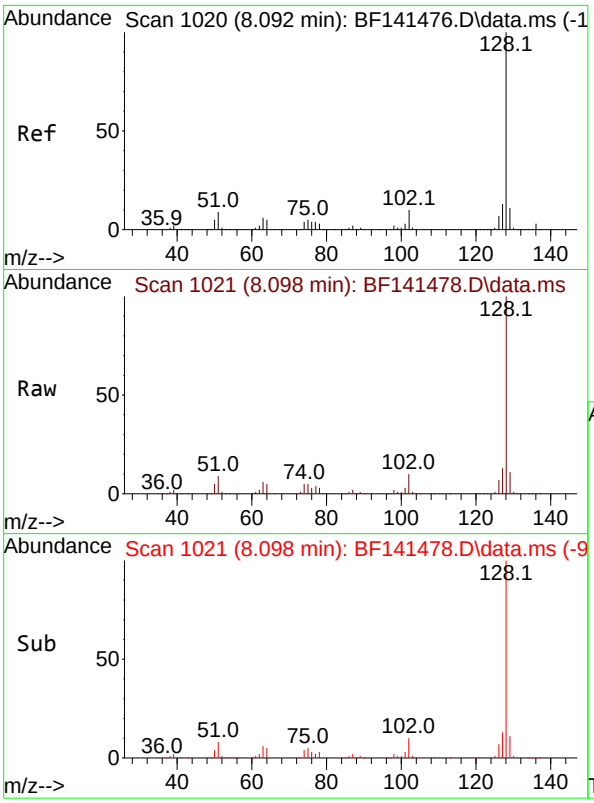


#30
1,2,4-Trichlorobenzene
Concen: 59.561 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



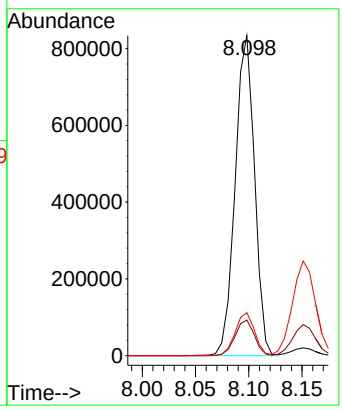


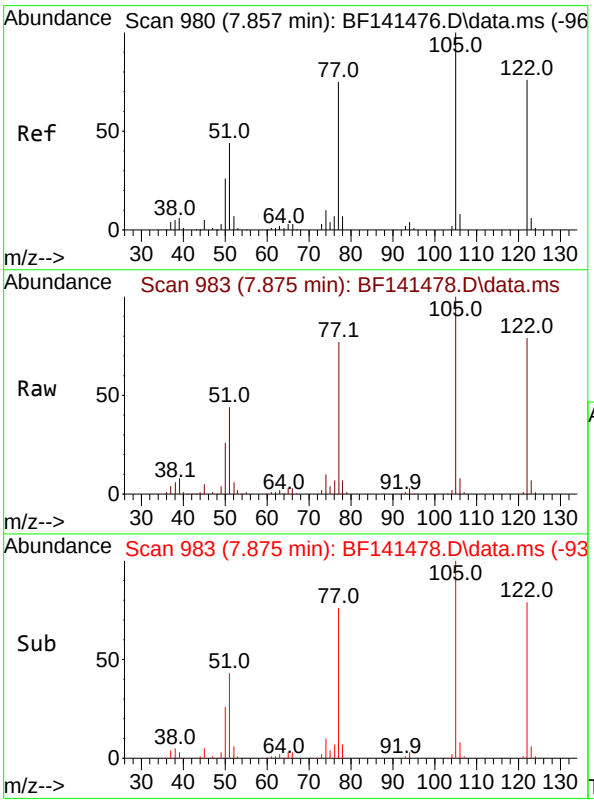
#31
Naphthalene
Concen: 58.889 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

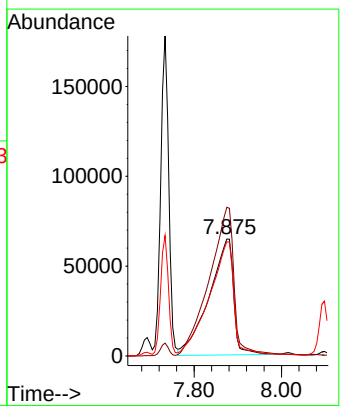


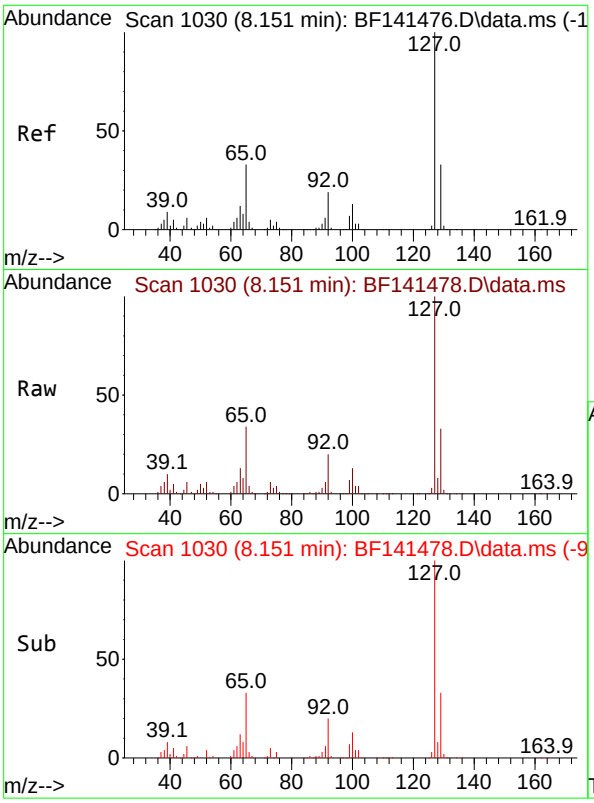


#32
Benzoic acid
Concen: 64.532 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



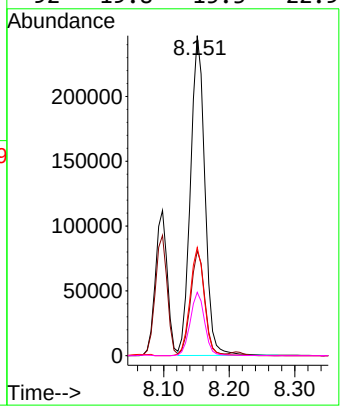


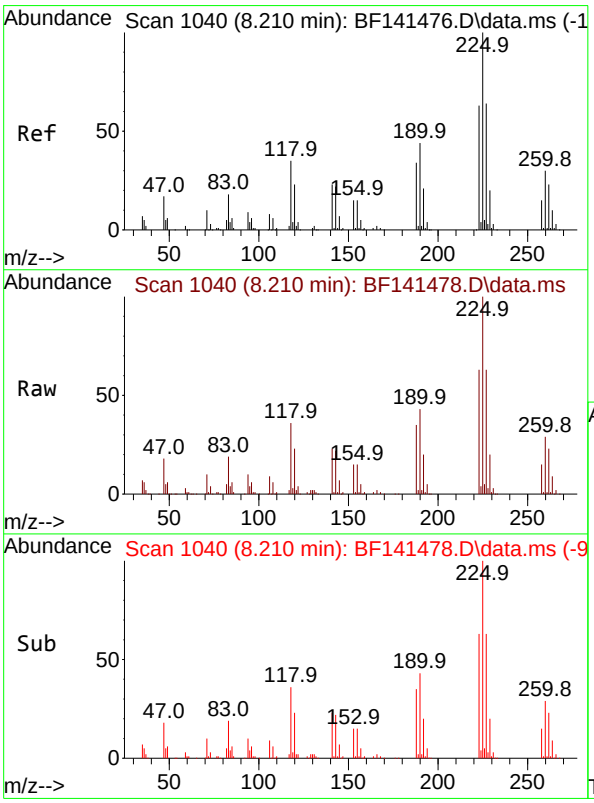
#33
4-Chloroaniline
Concen: 60.070 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

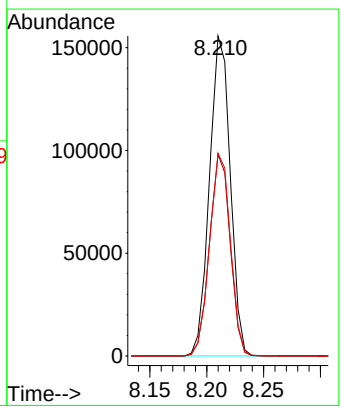


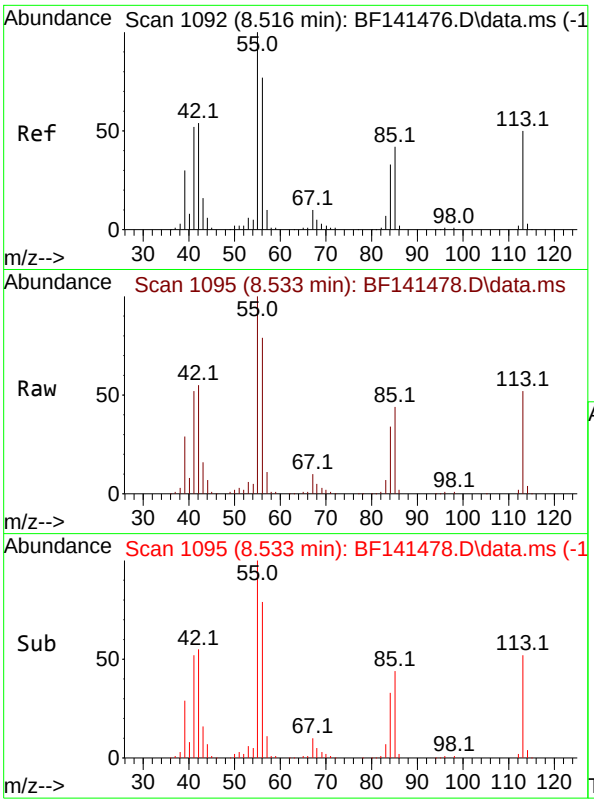


#34
Hexachlorobutadiene
Concen: 59.849 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



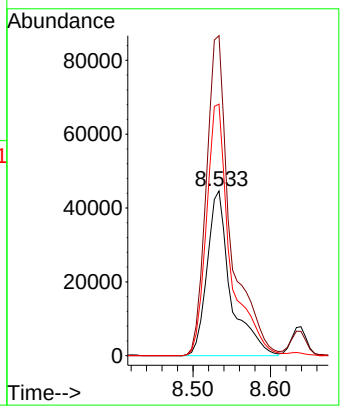


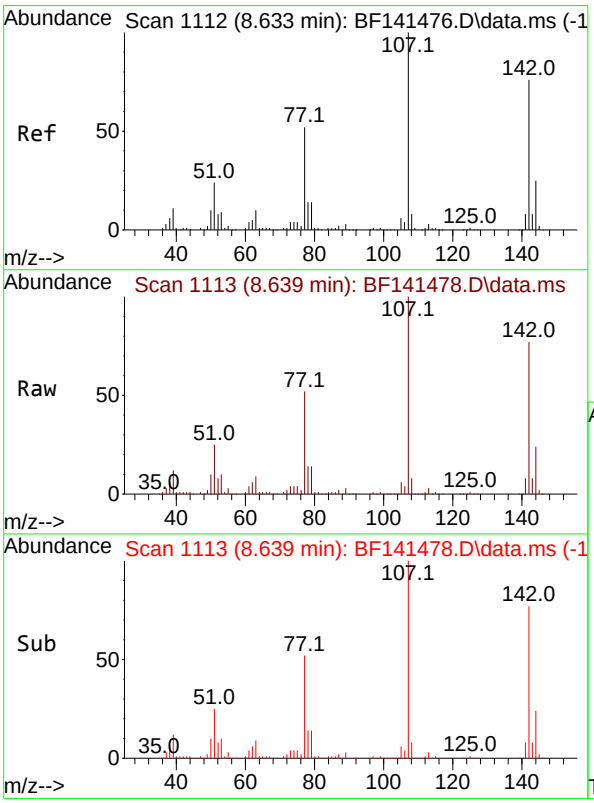
#35
Caprolactam
Concen: 61.291 ng
RT: 8.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

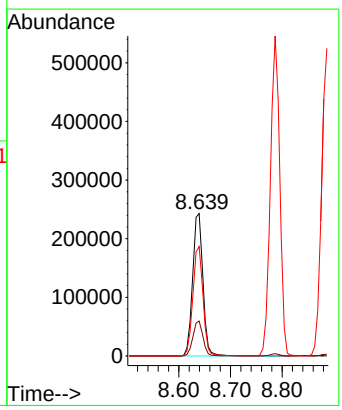


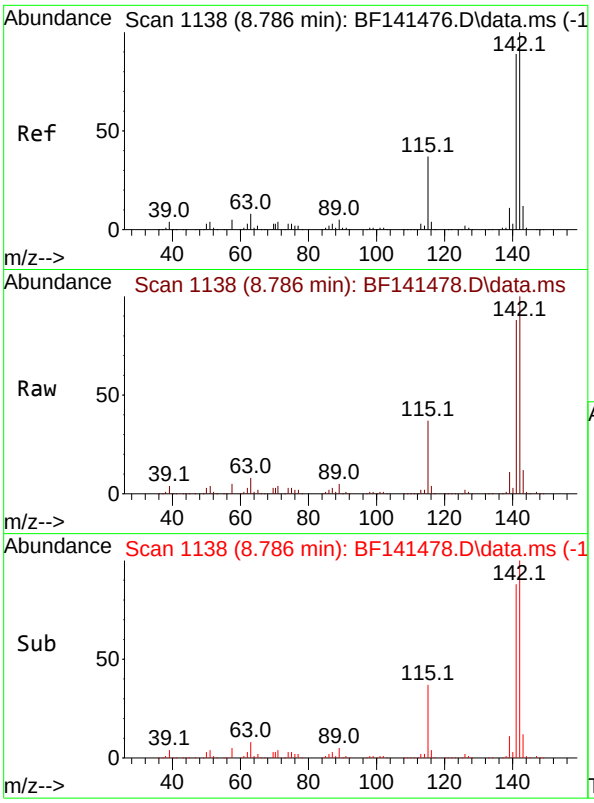


#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



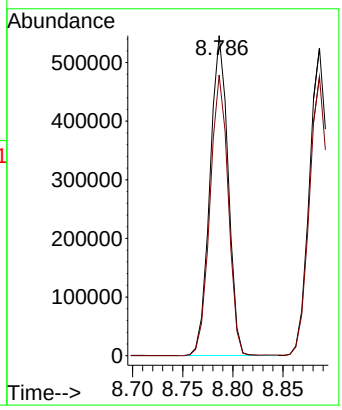


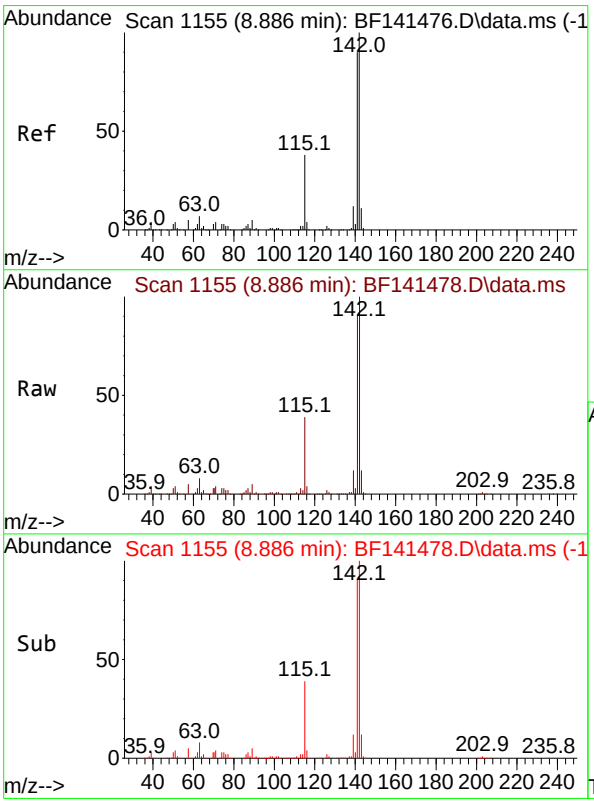
#37
2-Methylnaphthalene
Concen: 58.941 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 688021

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.2	106.8

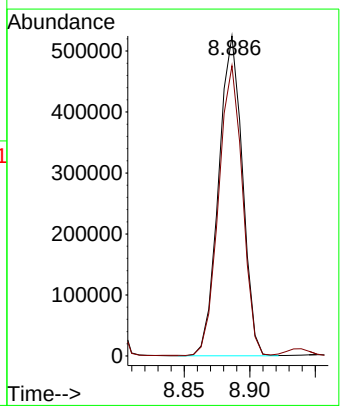


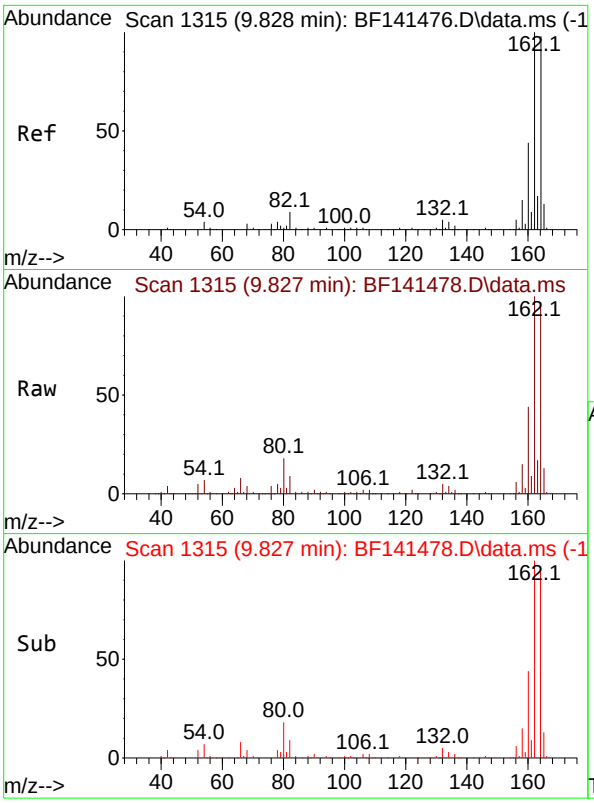


#38
1-Methylnaphthalene
Concen: 58.522 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:142 Resp: 661628

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.1	108.1



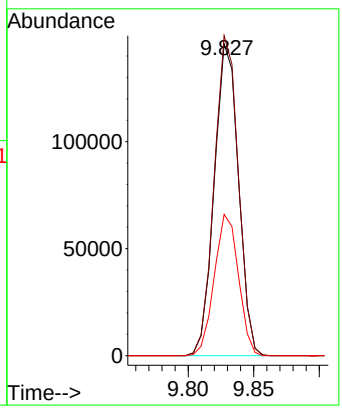


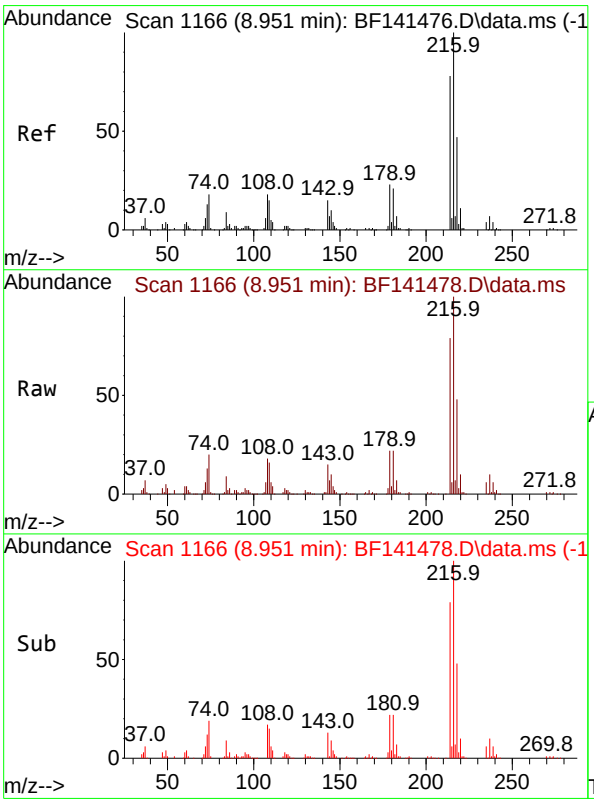
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

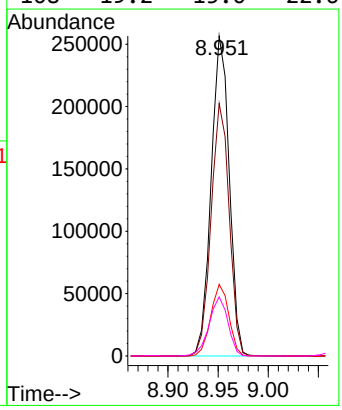


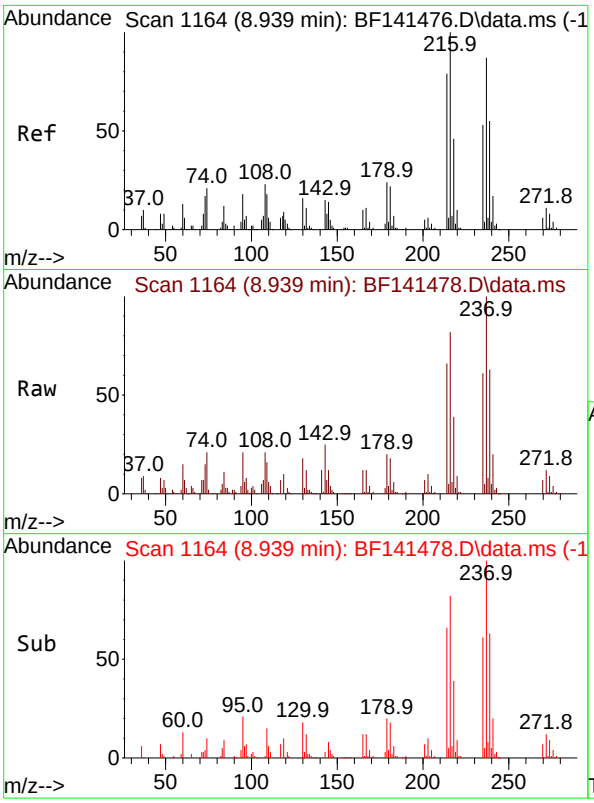


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.560 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



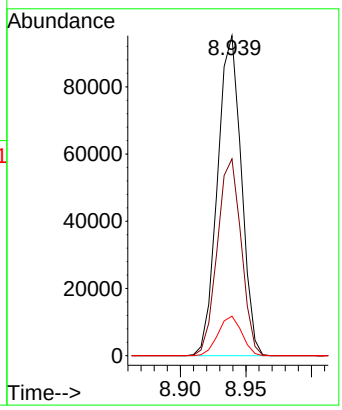


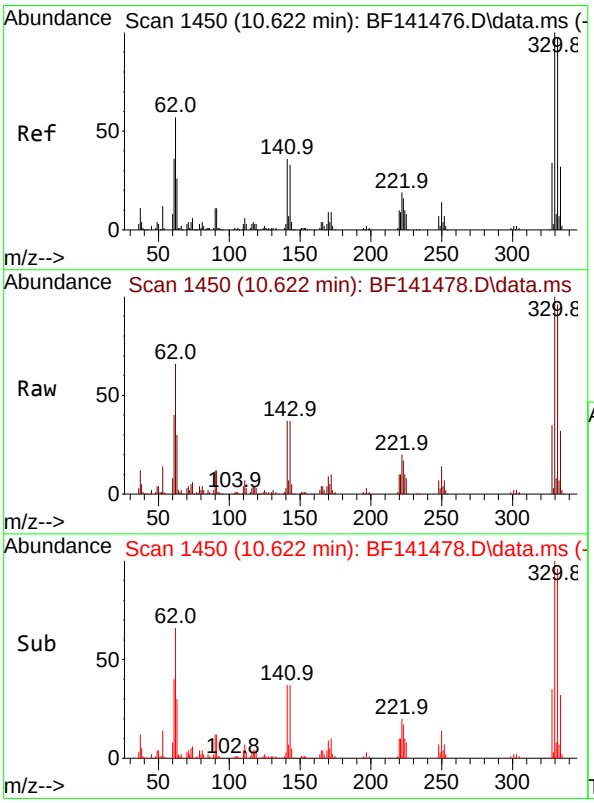
#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

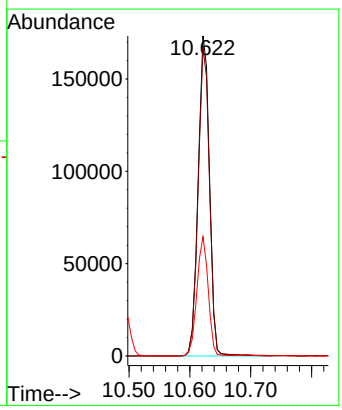


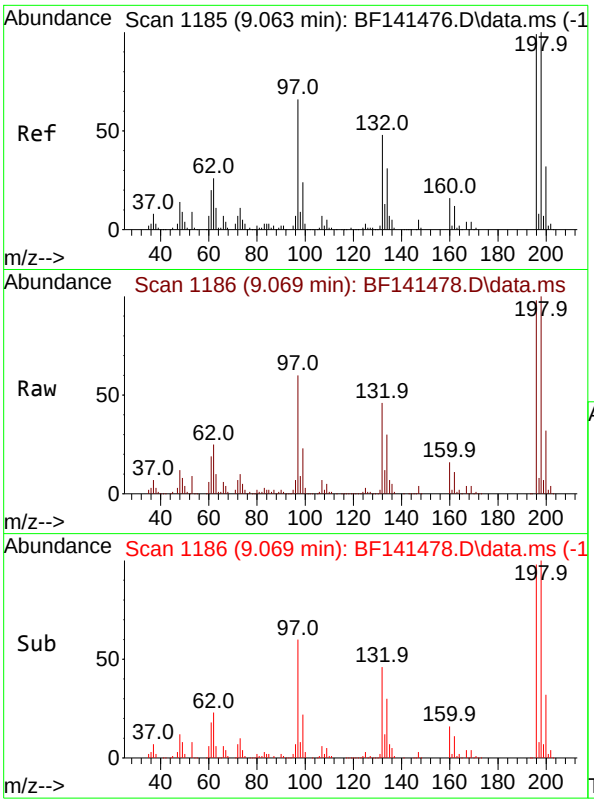


#42
2,4,6-Tribromophenol
Concen: 119.976 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



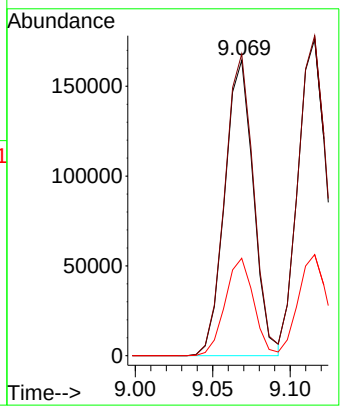


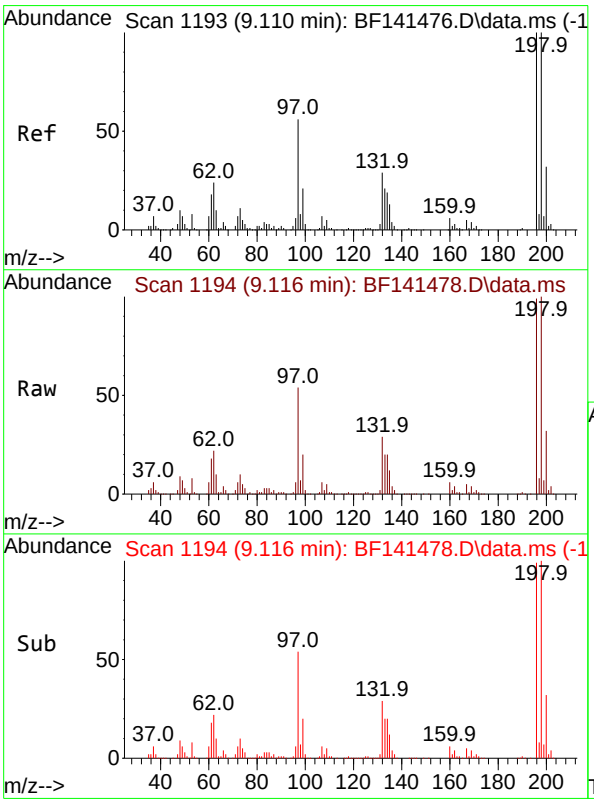
#43
2,4,6-Trichlorophenol
Concen: 60.632 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

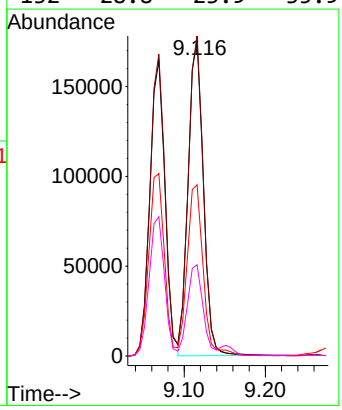


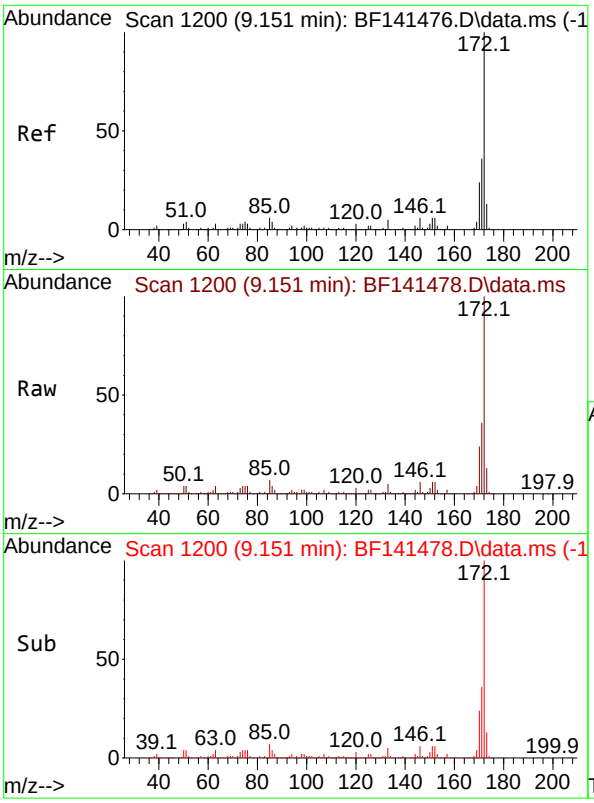


#44
2,4,5-Trichlorophenol
Concen: 60.519 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



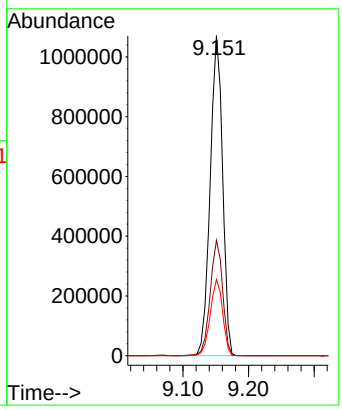


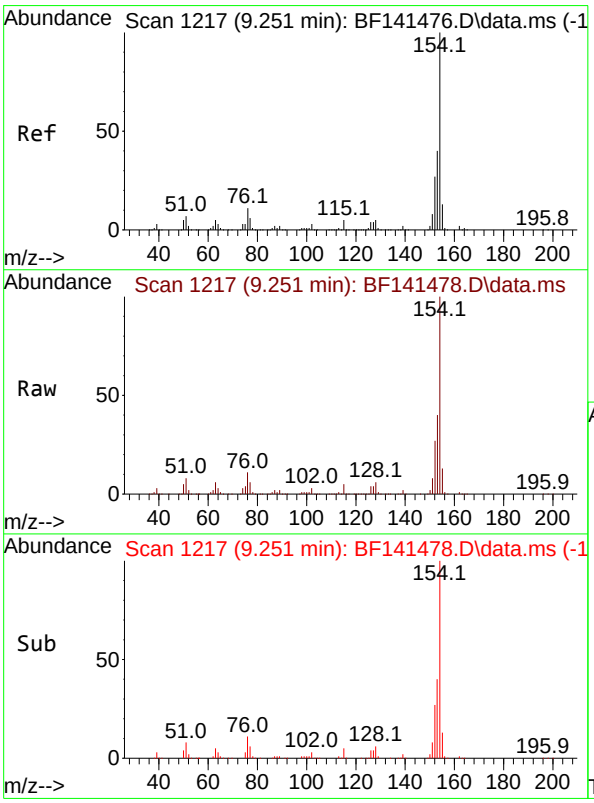
#45
2-Fluorobiphenyl
Concen: 116.358 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

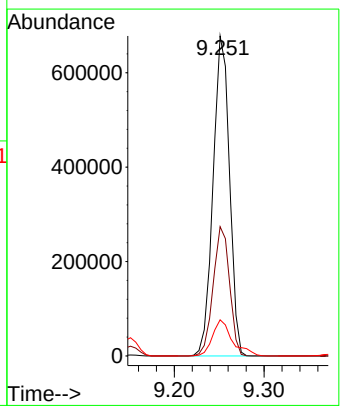


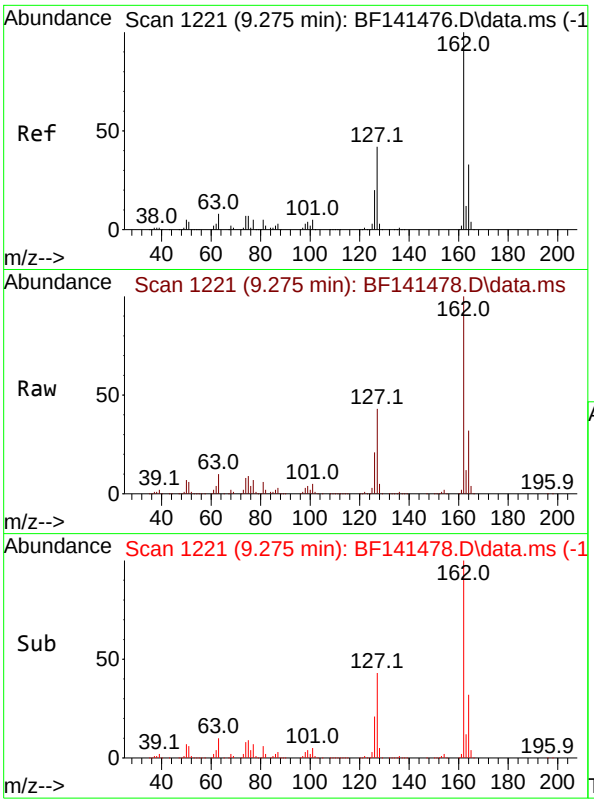


#46
1,1'-Biphenyl
Concen: 59.479 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



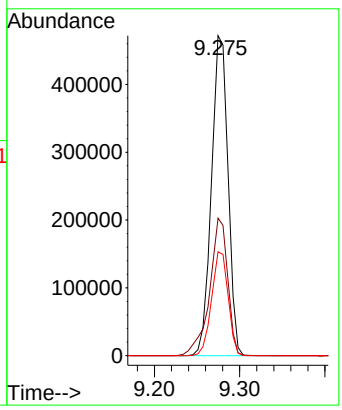


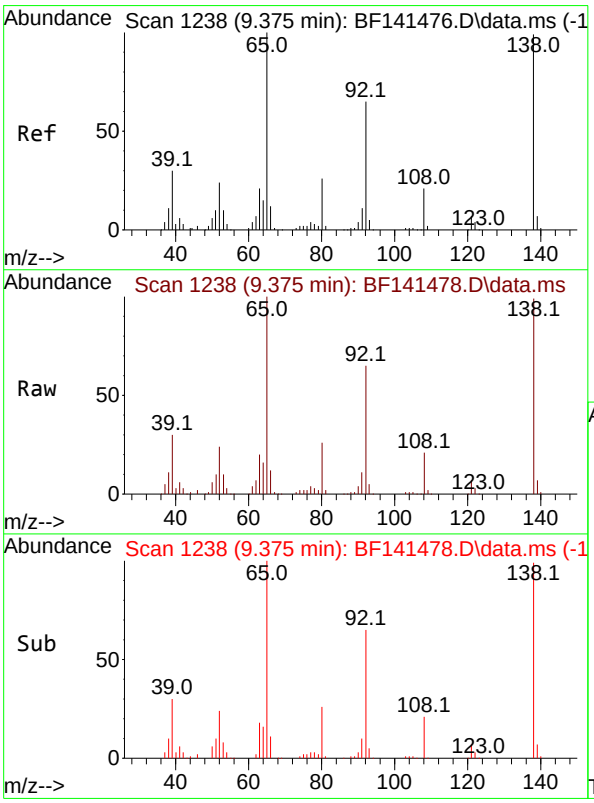
#47
2-Chloronaphthalene
Concen: 59.459 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

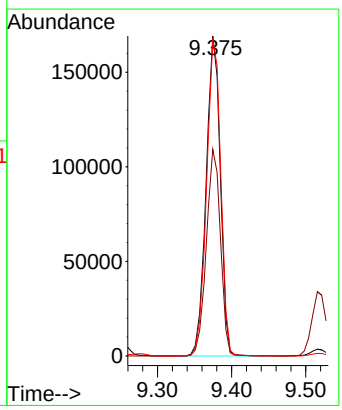


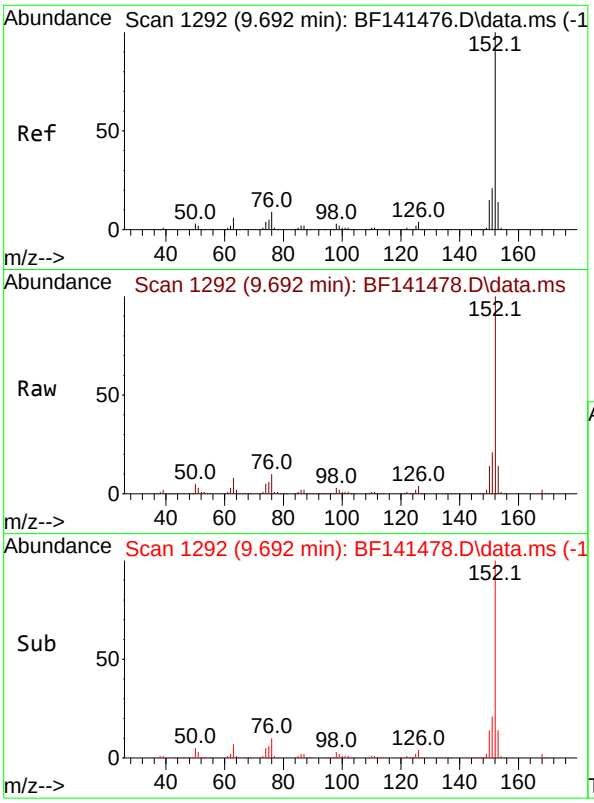


#48
2-Nitroaniline
Concen: 62.547 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



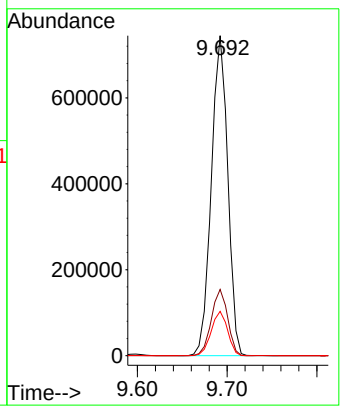


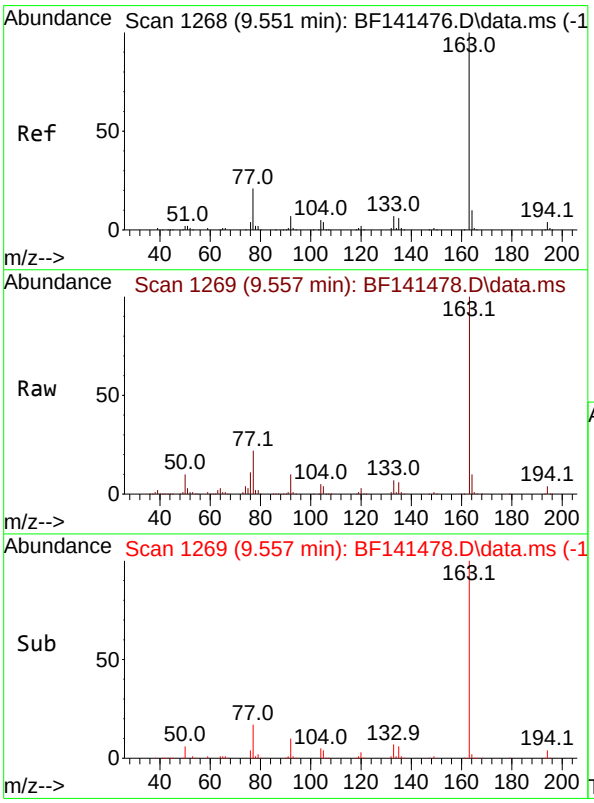
#49
Acenaphthylene
Concen: 59.436 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

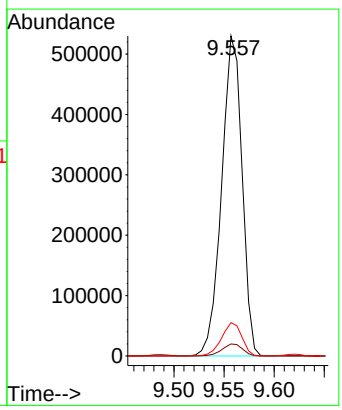


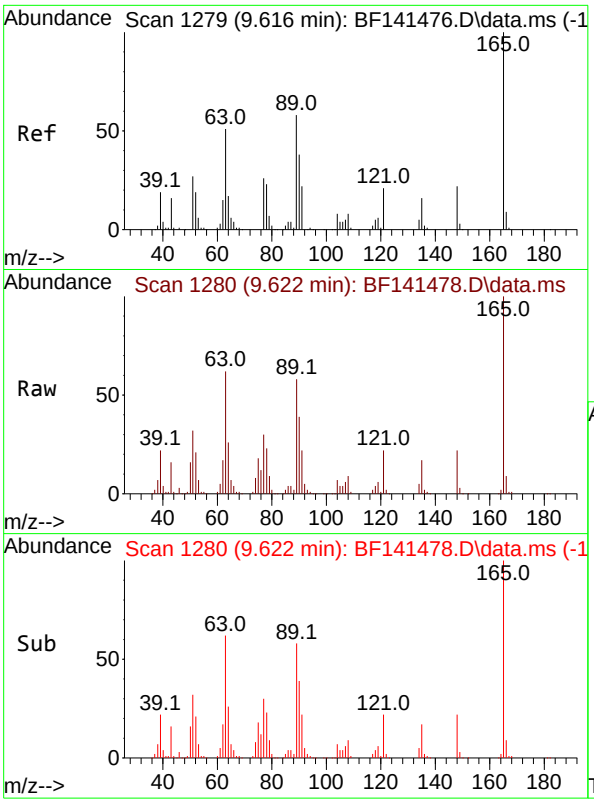


#50
Dimethylphthalate
Concen: 59.253 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



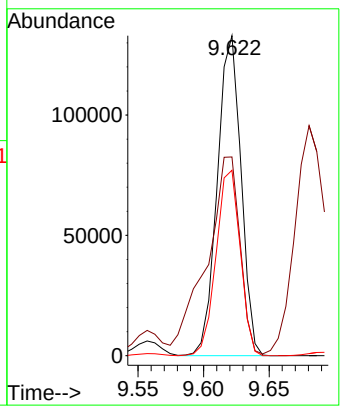


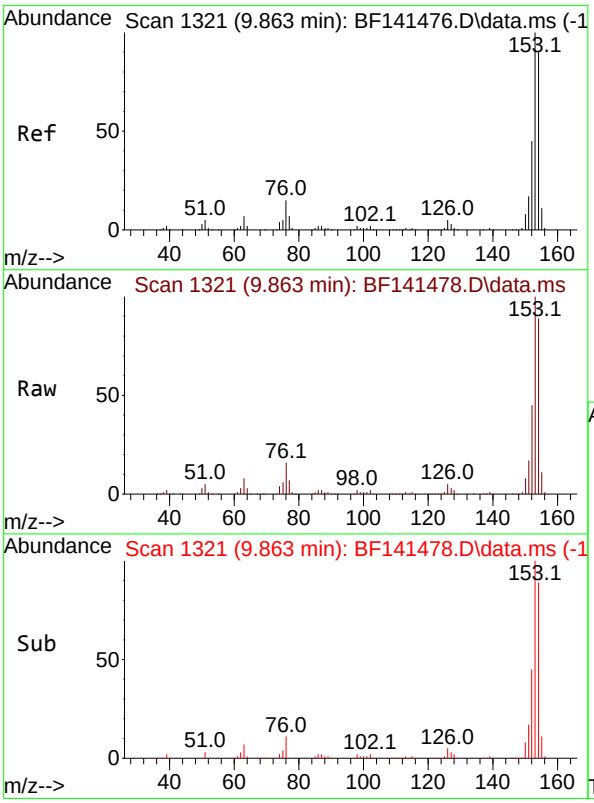
#51
2,6-Dinitrotoluene
Concen: 60.403 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

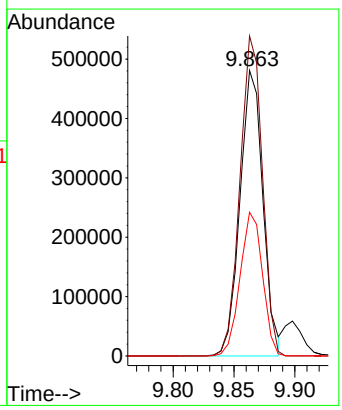


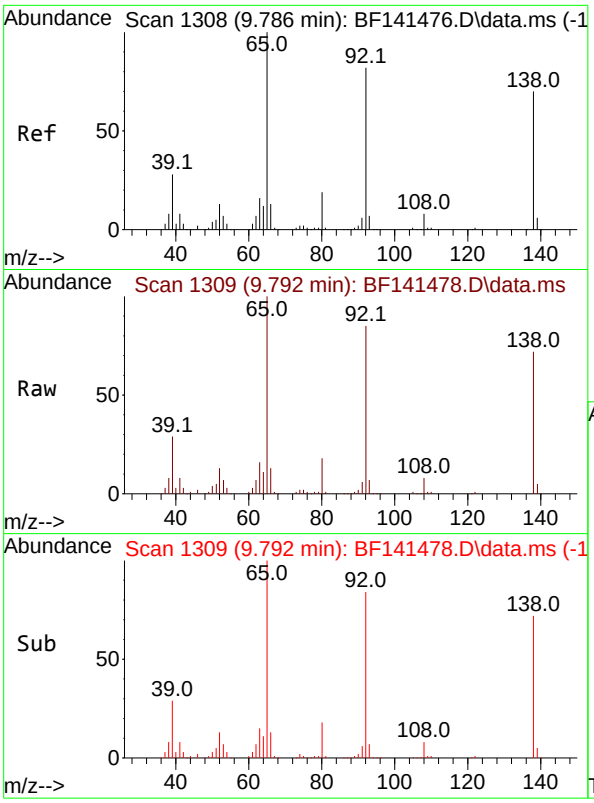


#52
Acenaphthene
Concen: 58.974 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



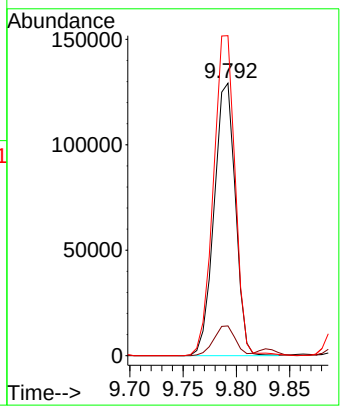


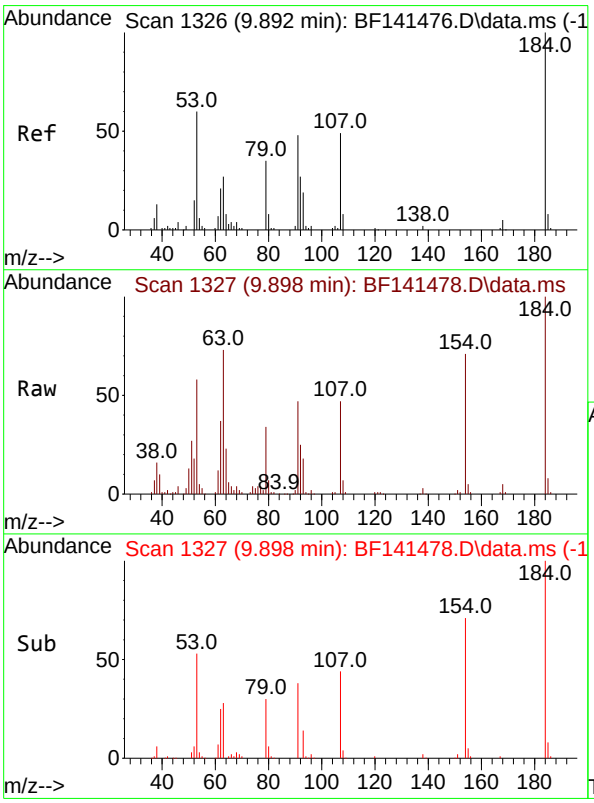
#53
3-Nitroaniline
Concen: 60.237 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

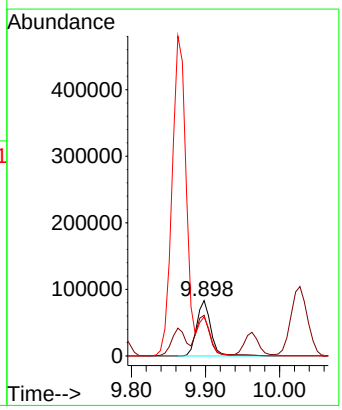


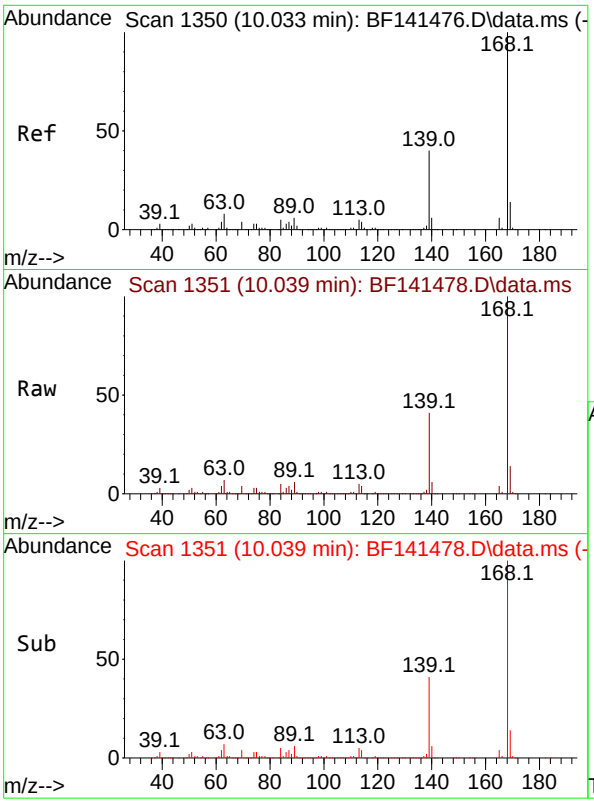


#54
2,4-Dinitrophenol
Concen: 67.432 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



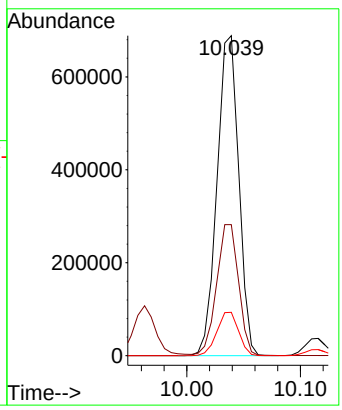


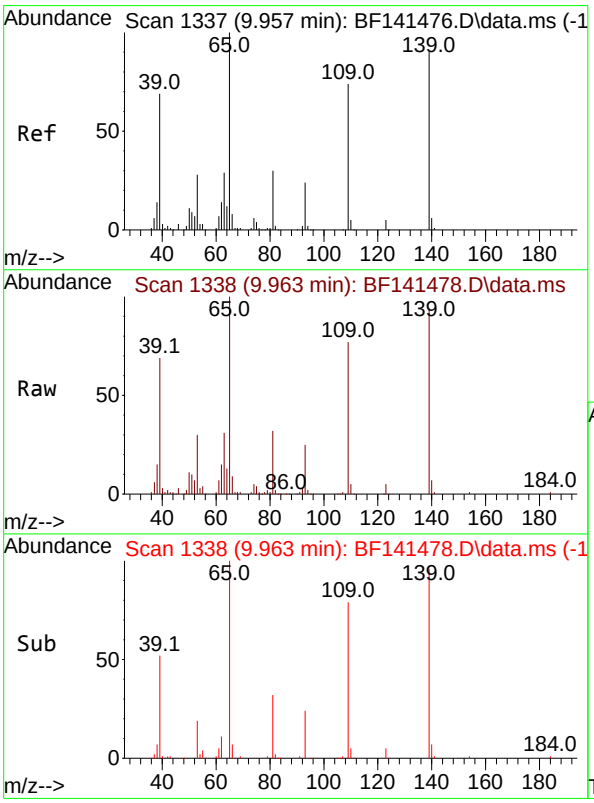
#55
Dibenzofuran
Concen: 58.242 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

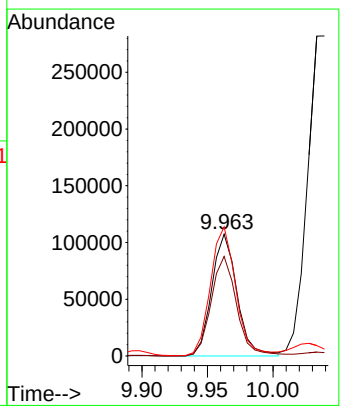


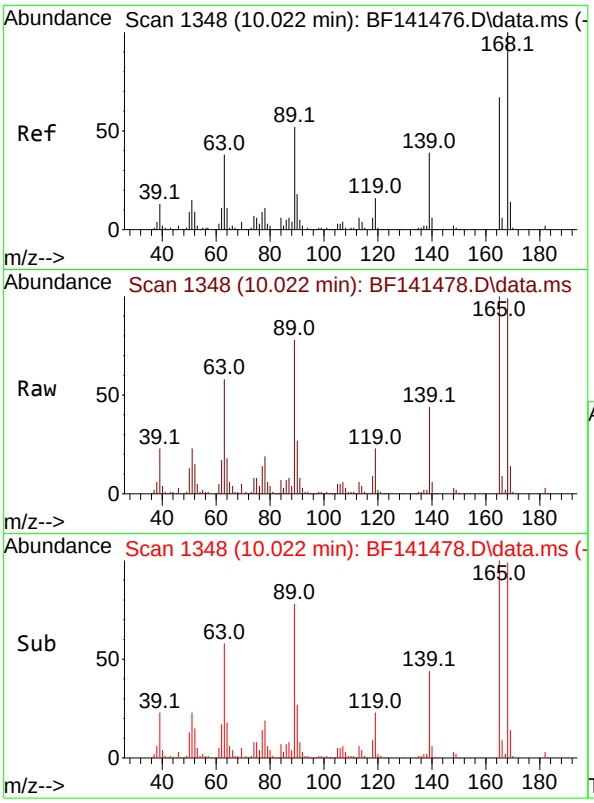


#56
4-Nitrophenol
Concen: 65.035 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



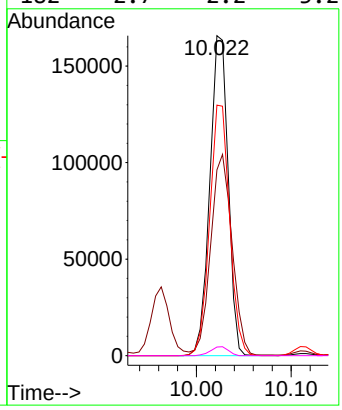


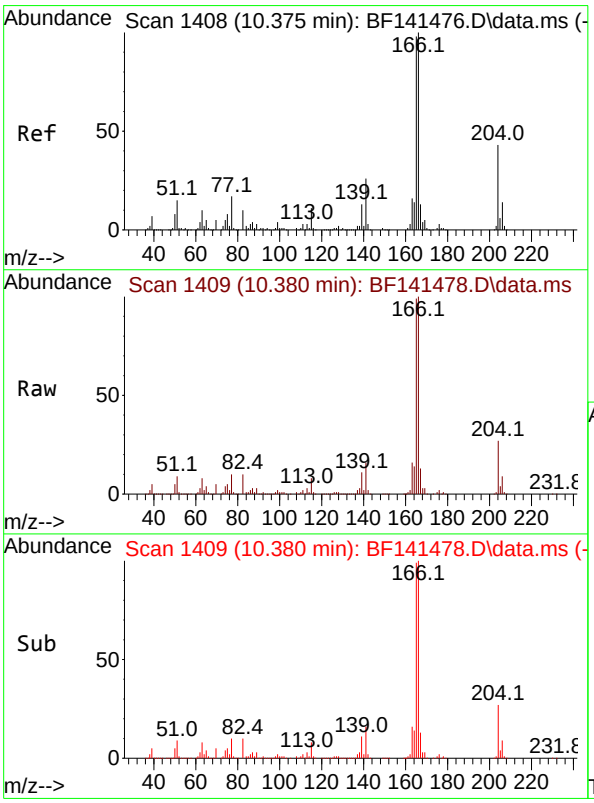
#57
2,4-Dinitrotoluene
Concen: 60.202 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

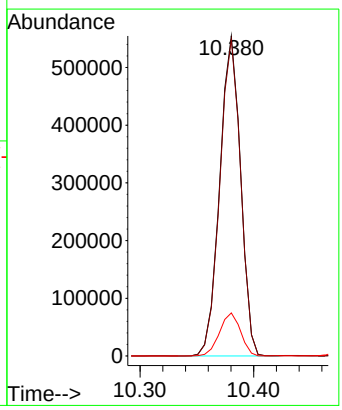


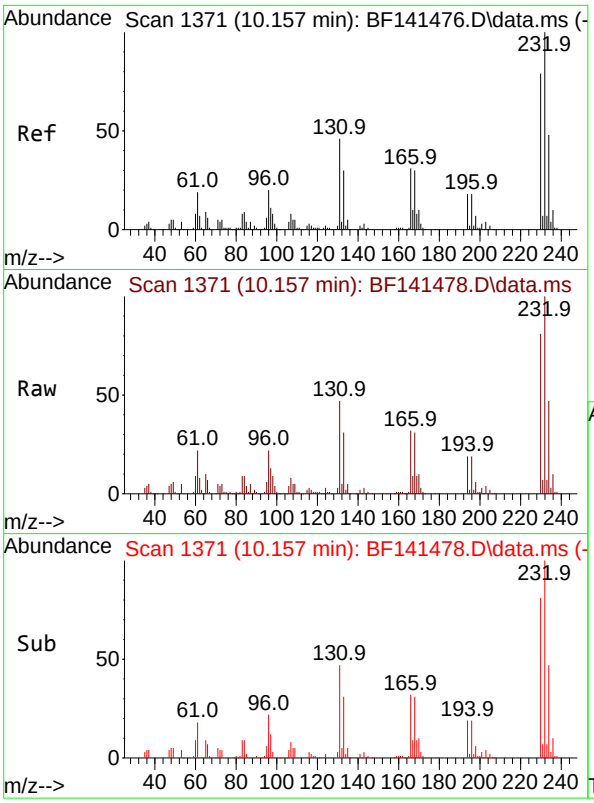


#58
Fluorene
Concen: 58.225 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



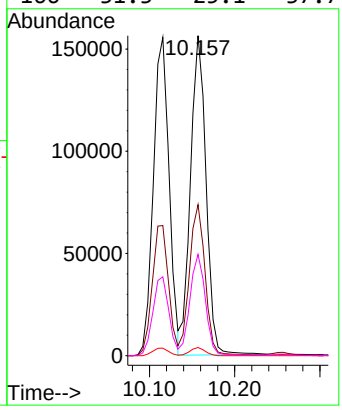


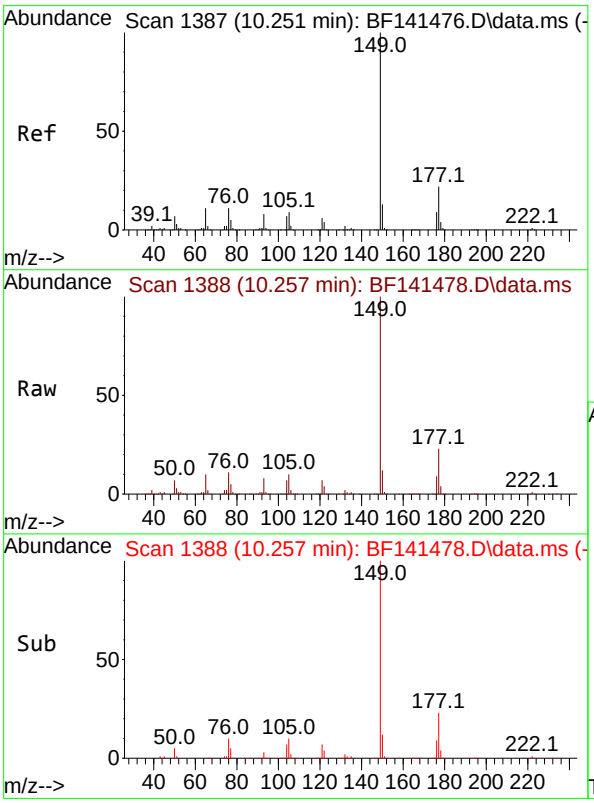
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

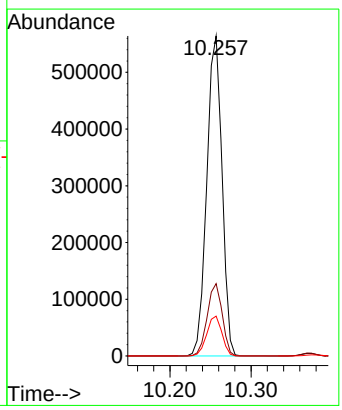


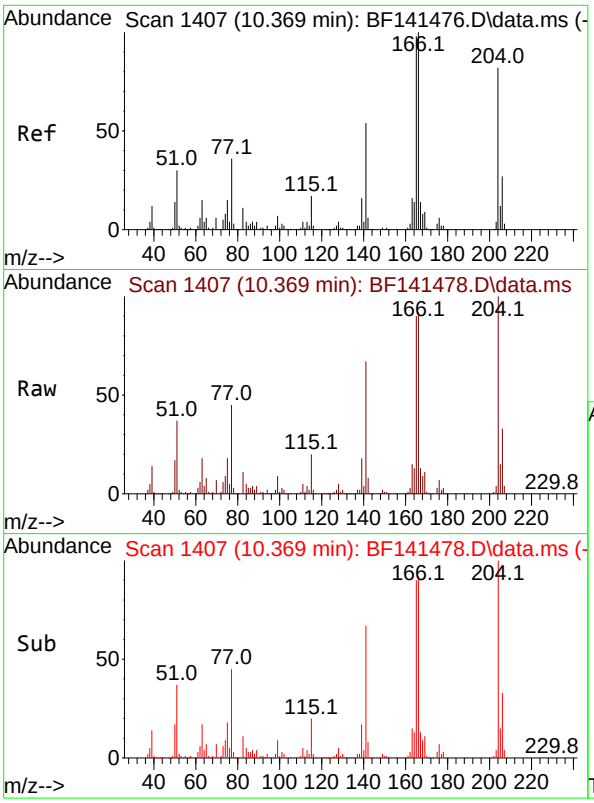


#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



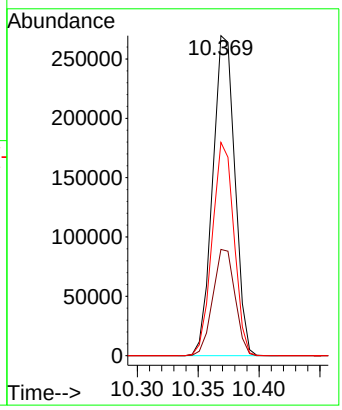


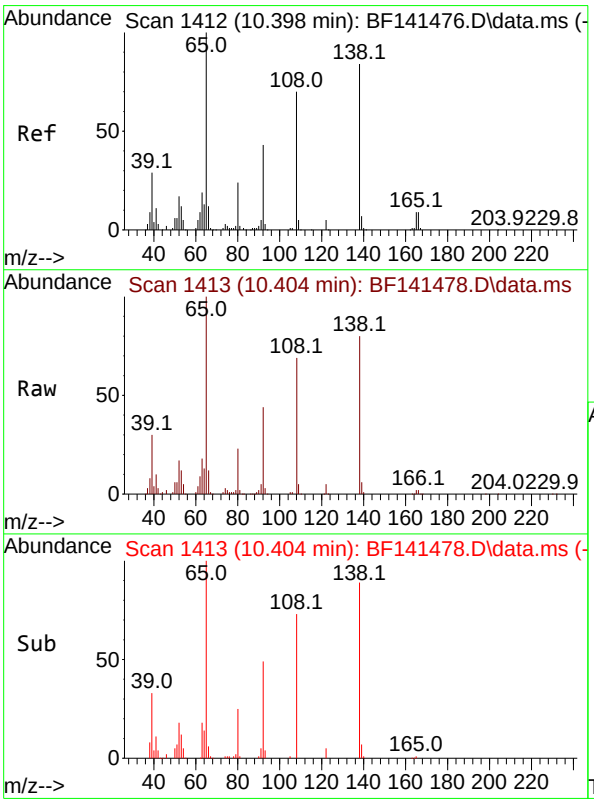
#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

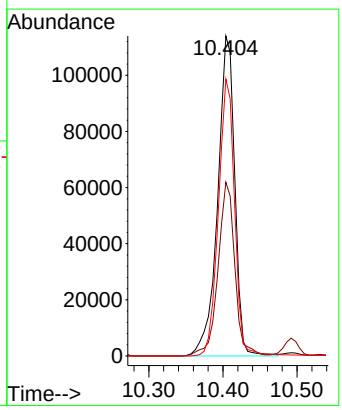


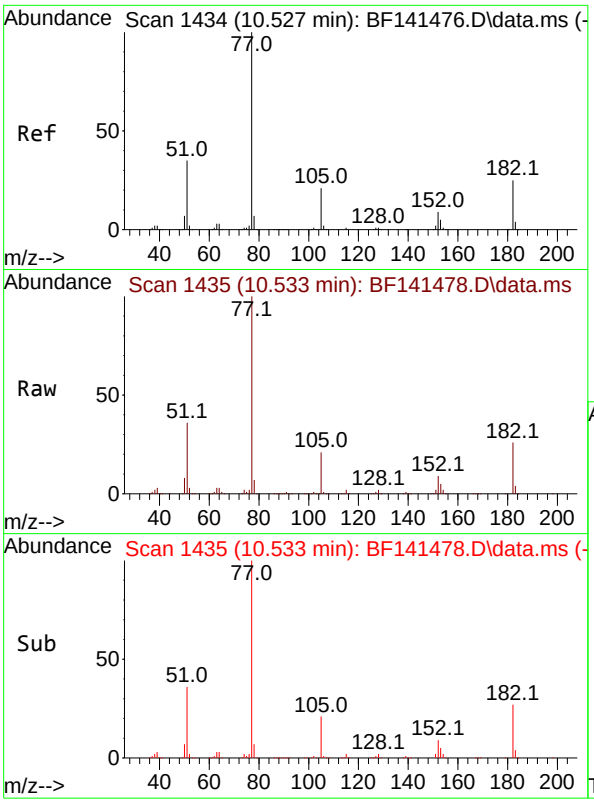


#62
4-Nitroaniline
Concen: 60.406 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



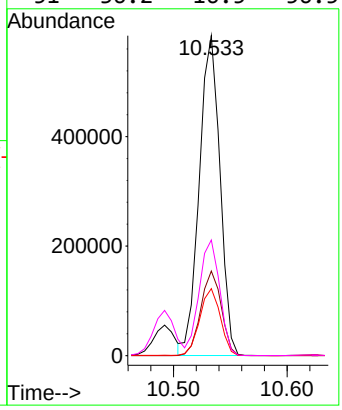


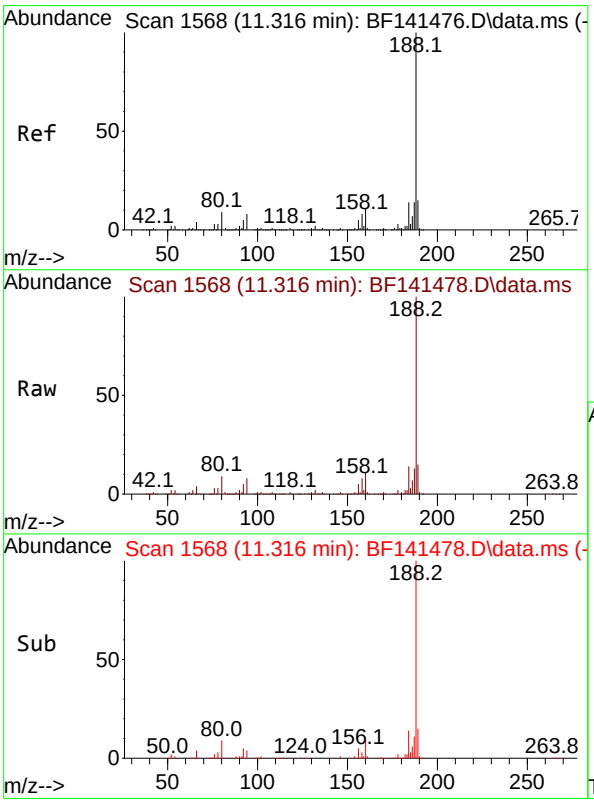
#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

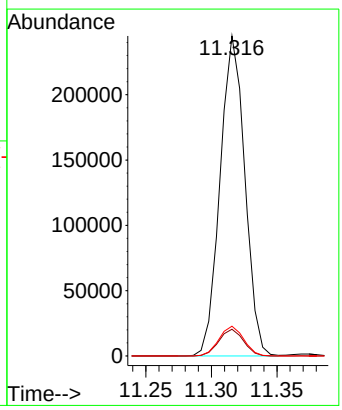


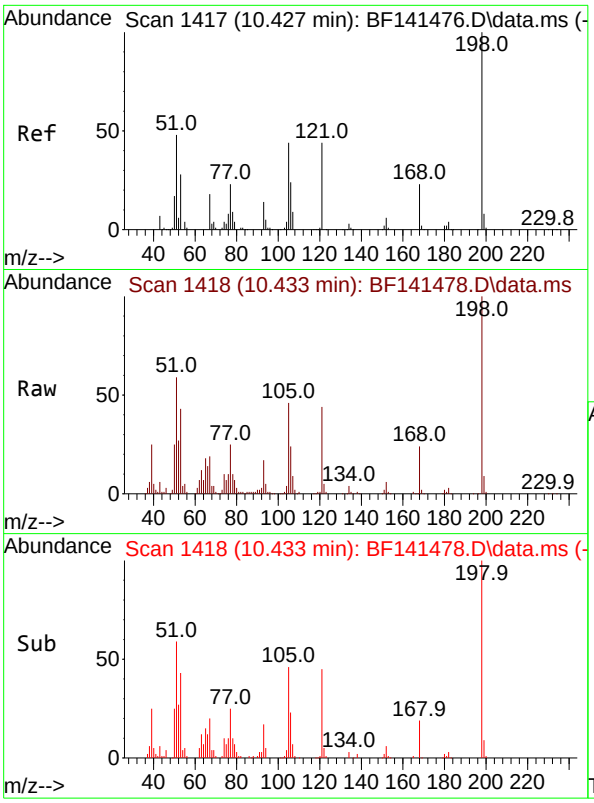


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



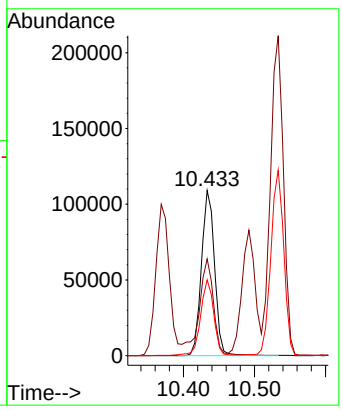


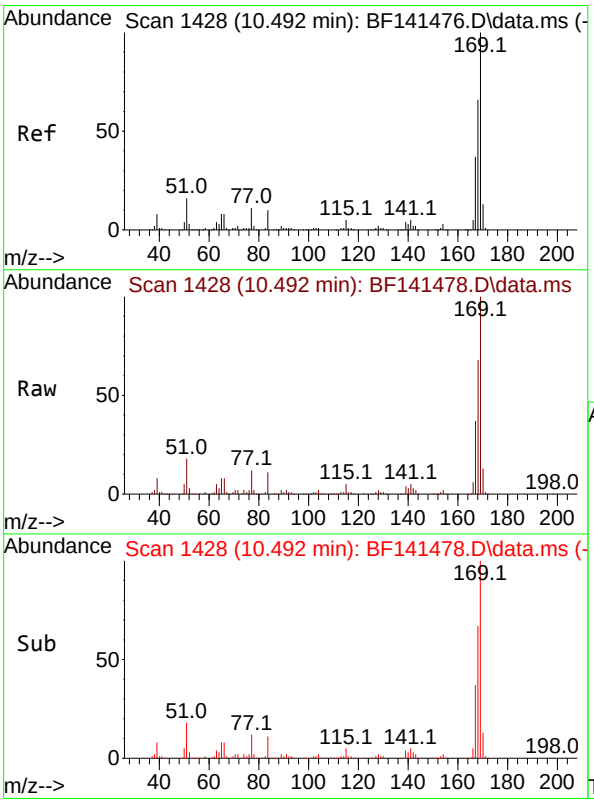
#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

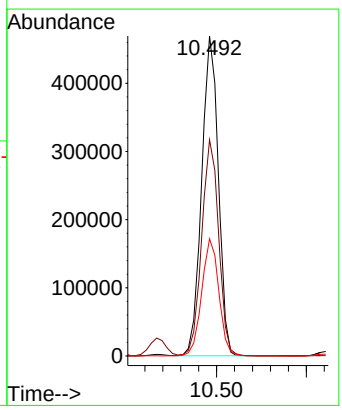


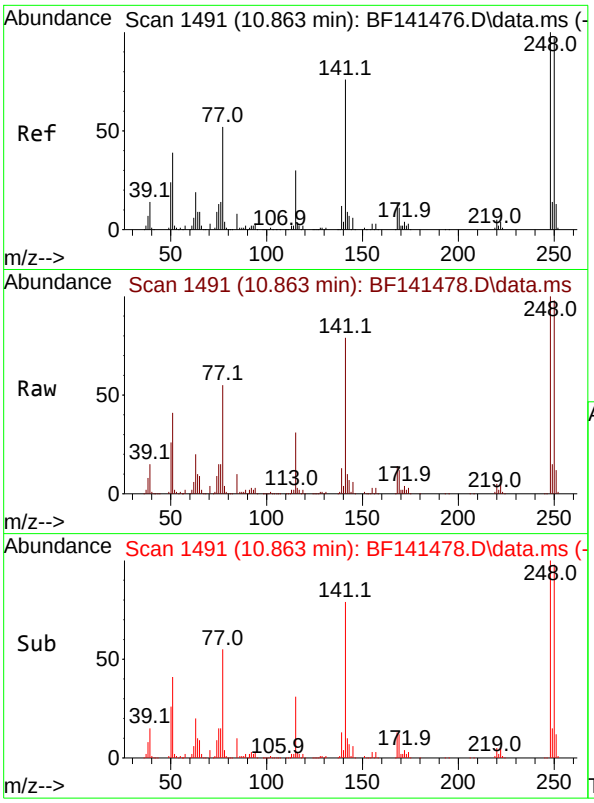


#66
n-Nitrosodiphenylamine
Concen: 58.609 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



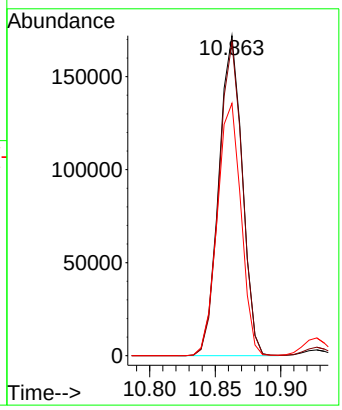


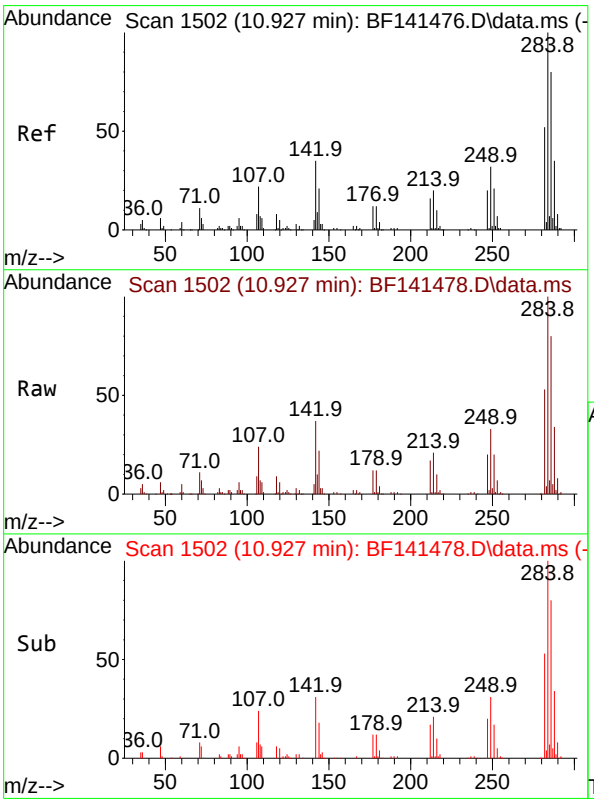
#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

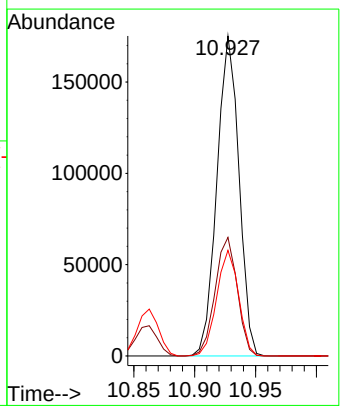


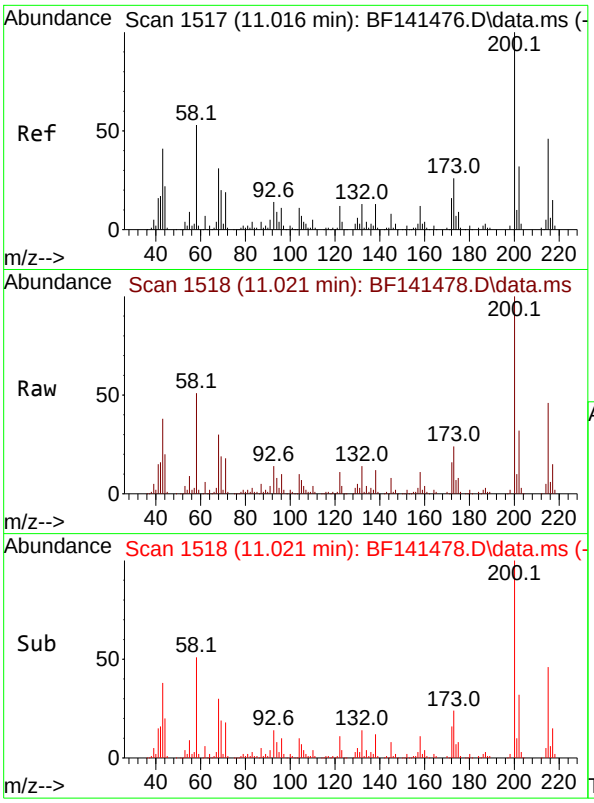


#68
Hexachlorobenzene
Concen: 59.552 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



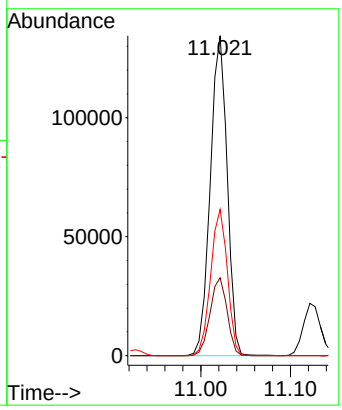


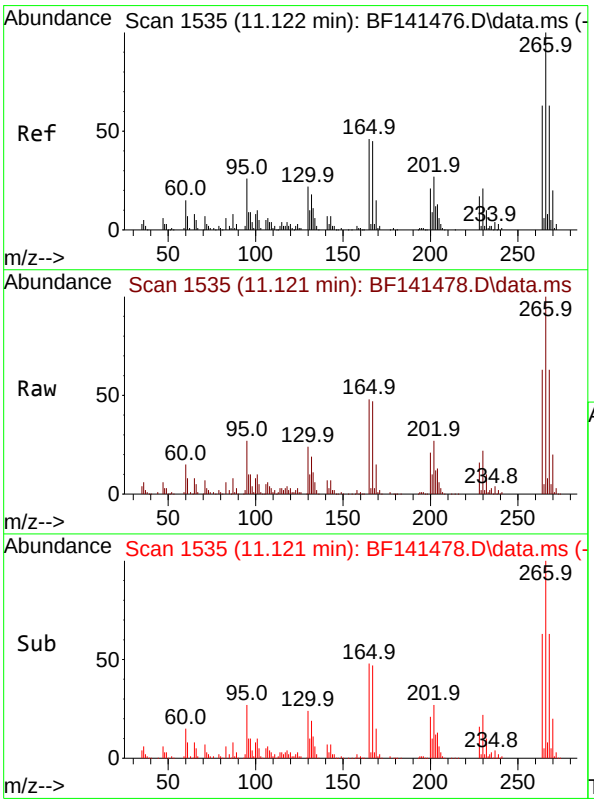
#69
Atrazine
Concen: 56.878 ng
RT: 11.021 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

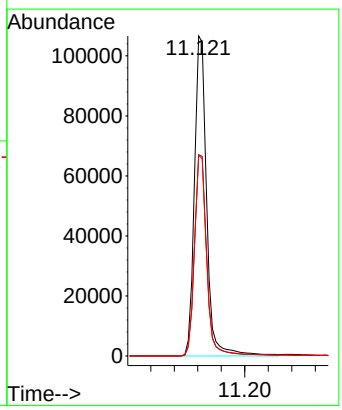


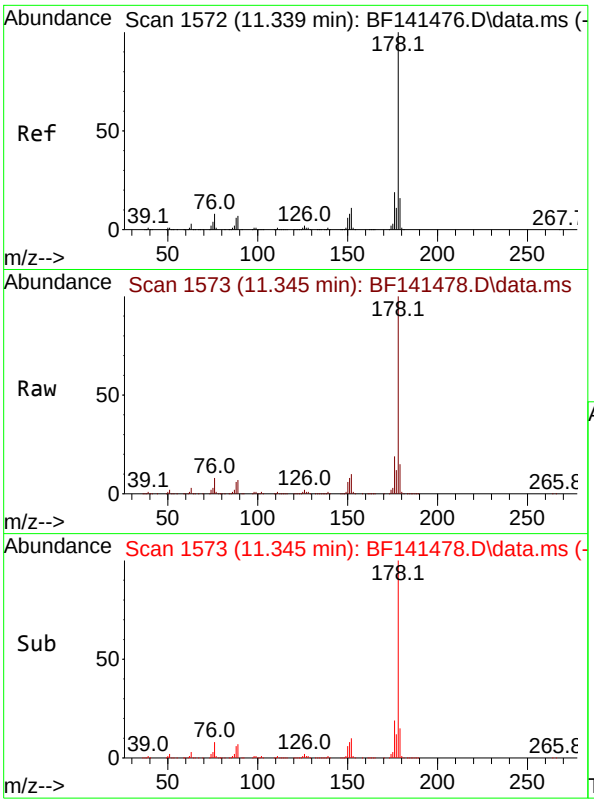


#70
Pentachlorophenol
Concen: 65.001 ng
RT: 11.121 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



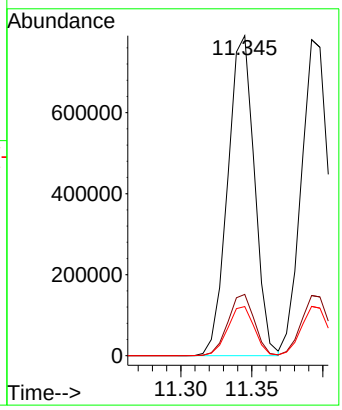


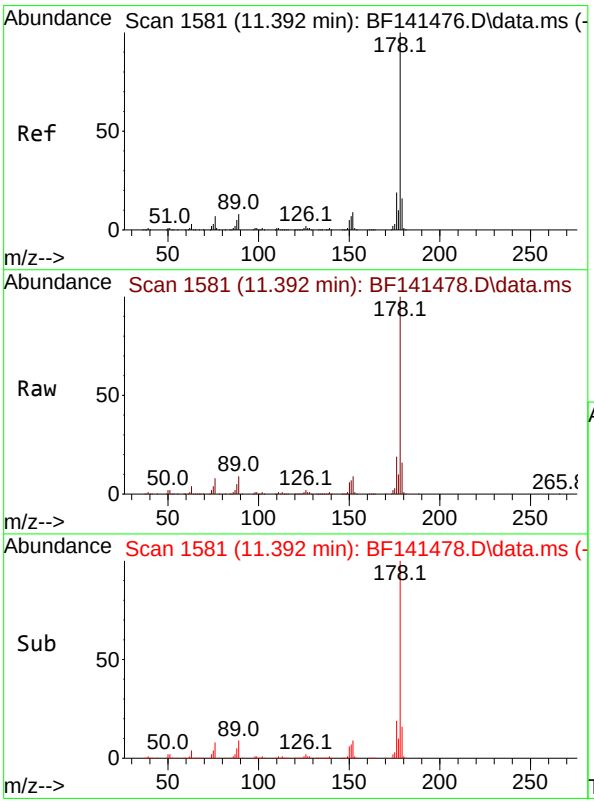
#71
Phenanthrene
Concen: 58.248 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

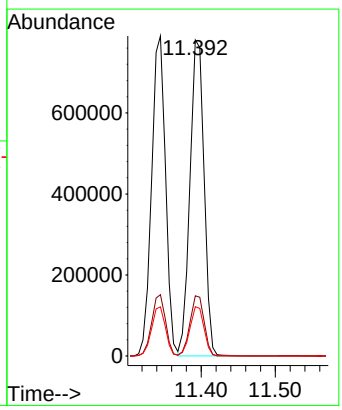


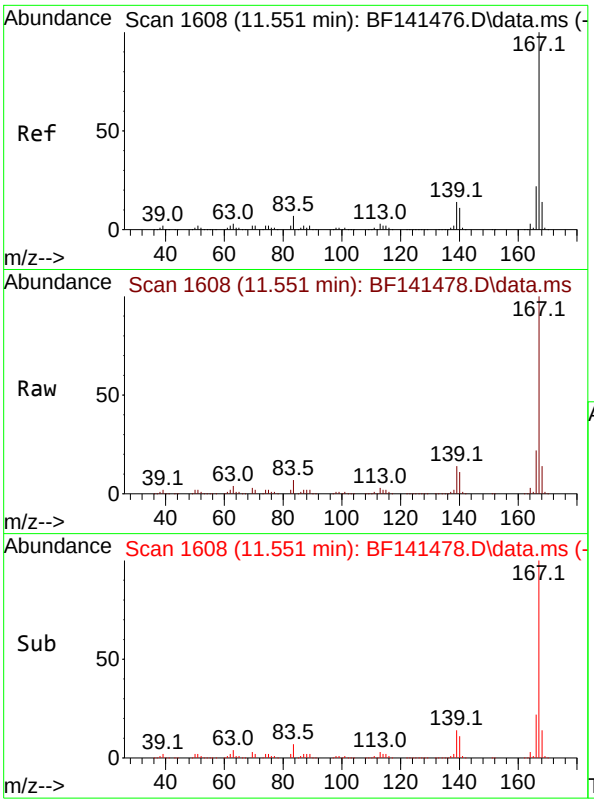


#72
Anthracene
Concen: 58.062 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



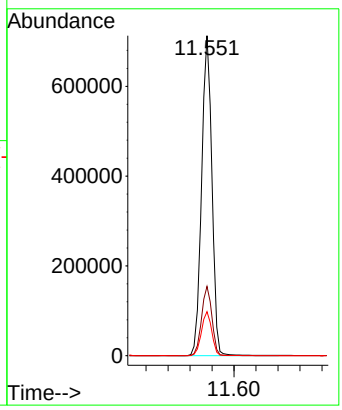


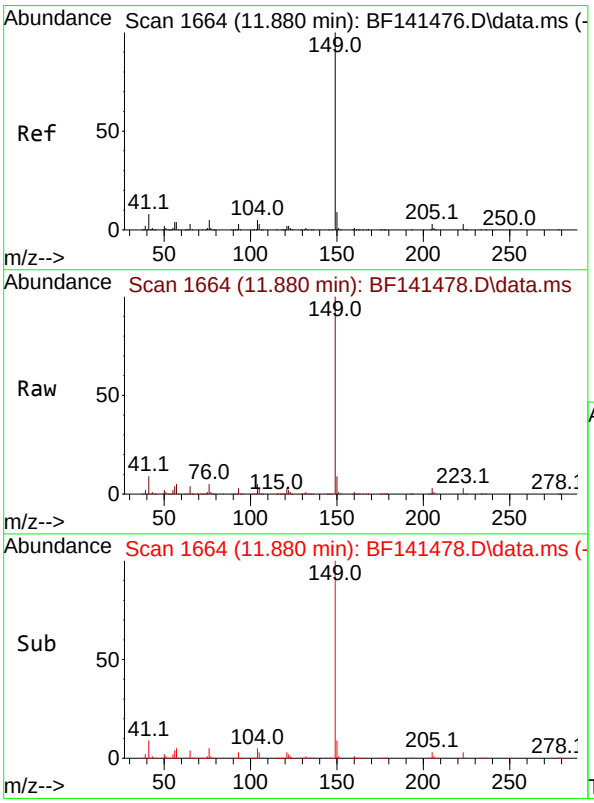
#73
Carbazole
Concen: 57.896 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

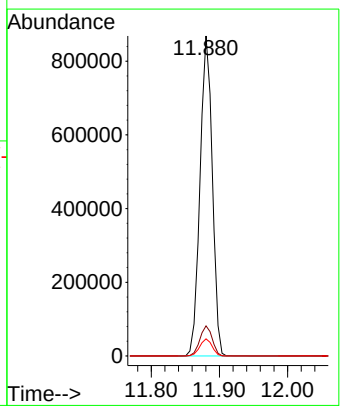


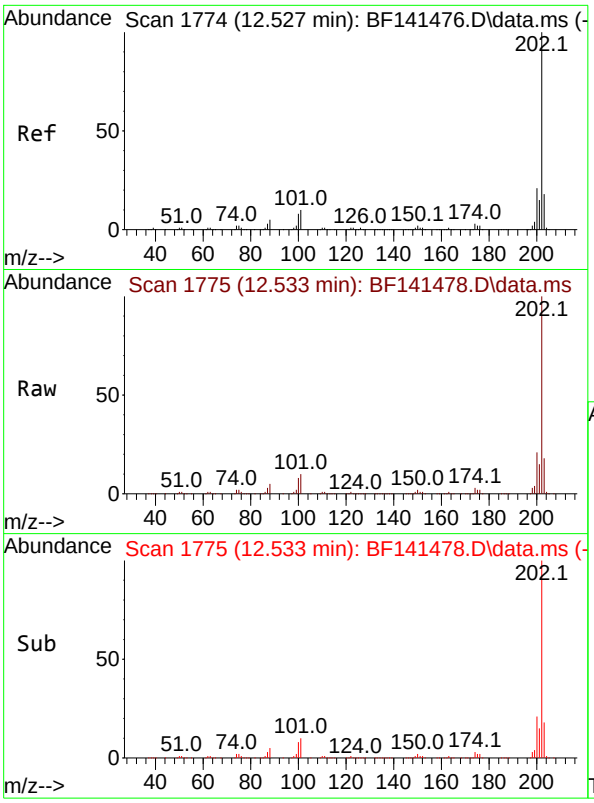


#74
Di-n-butylphthalate
Concen: 58.783 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



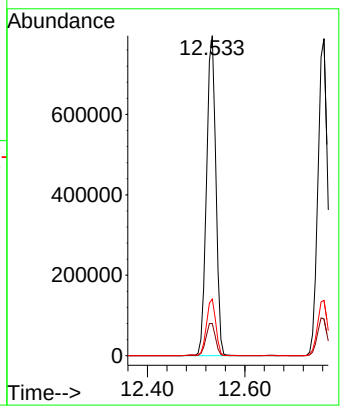


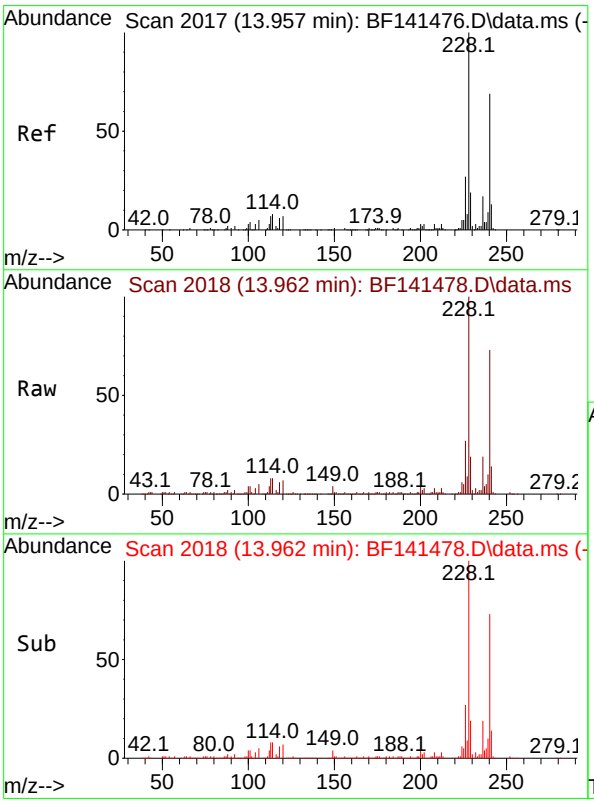
#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

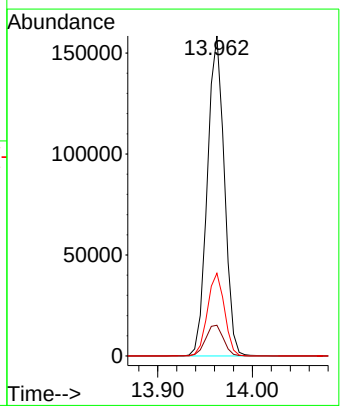


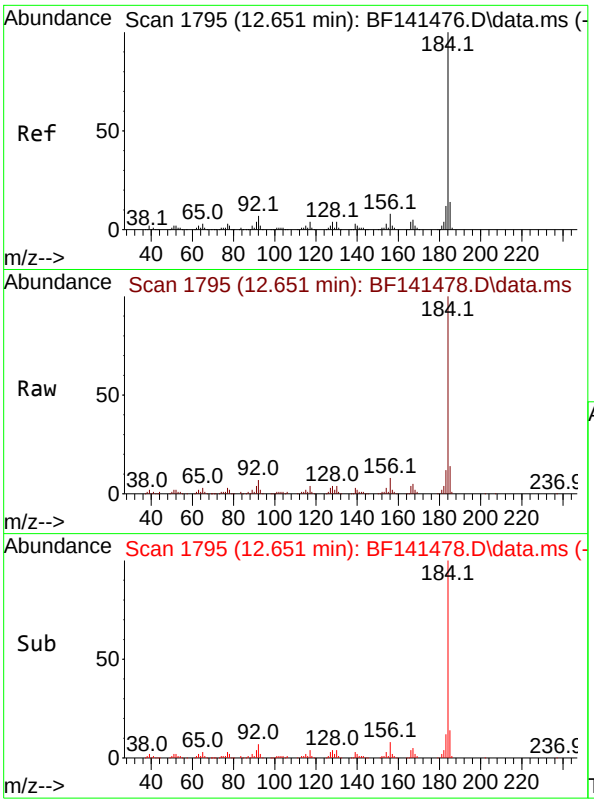


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



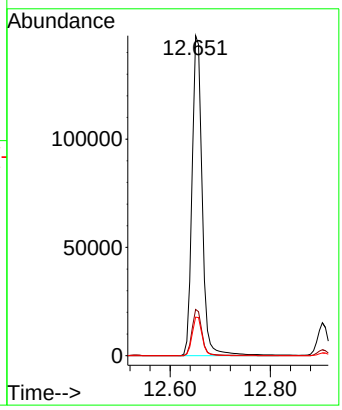


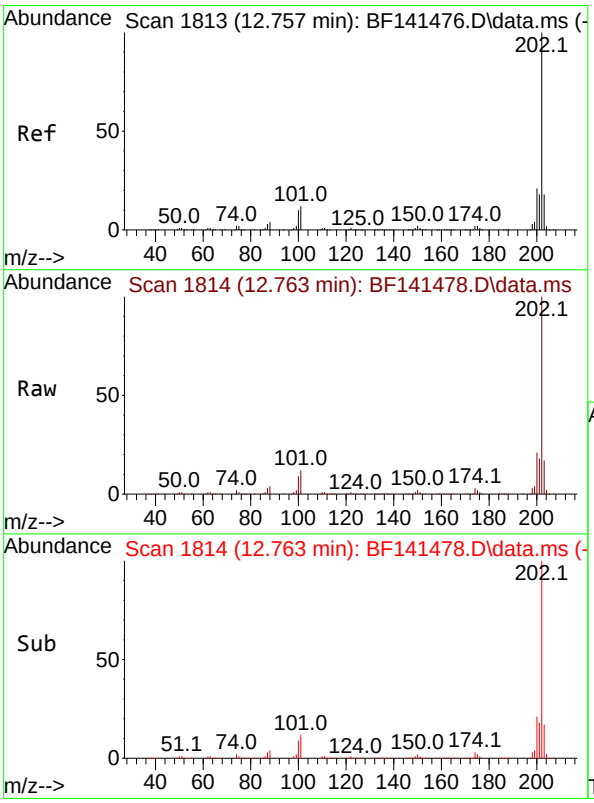
#77
Benzidine
Concen: 47.757 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

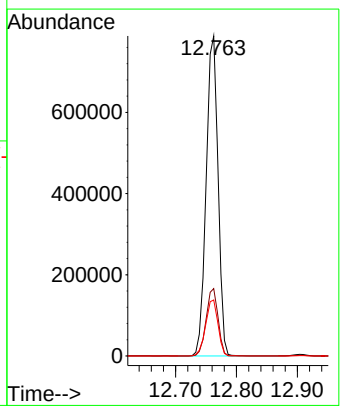


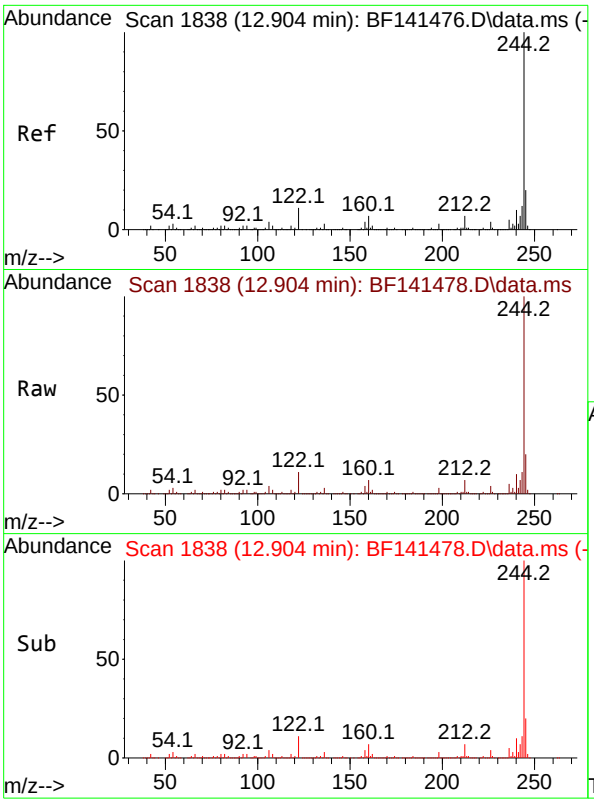


#78
Pyrene
Concen: 63.687 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



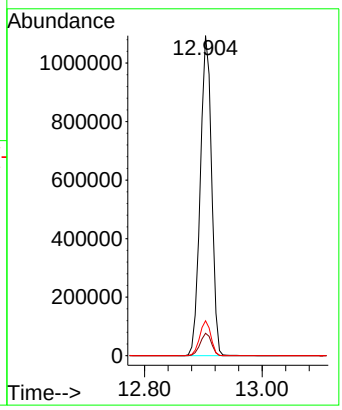


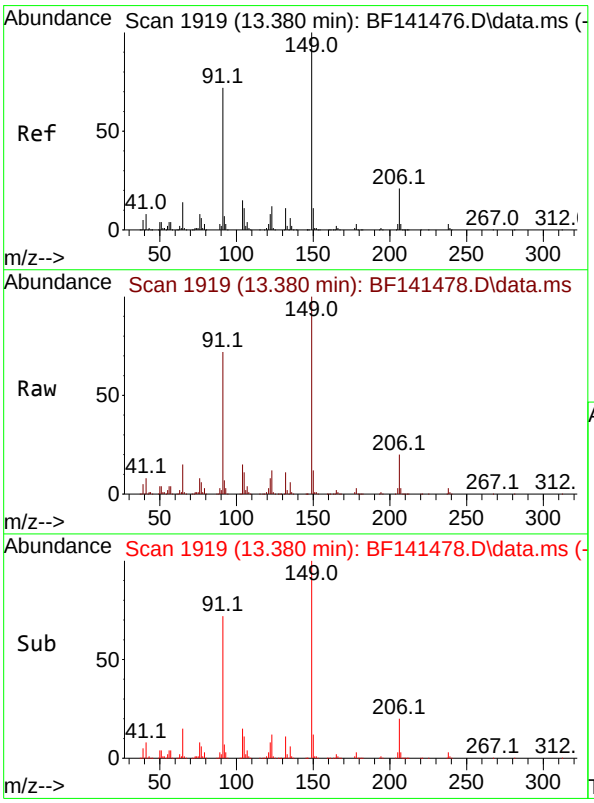
#79
Terphenyl-d14
Concen: 124.977 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

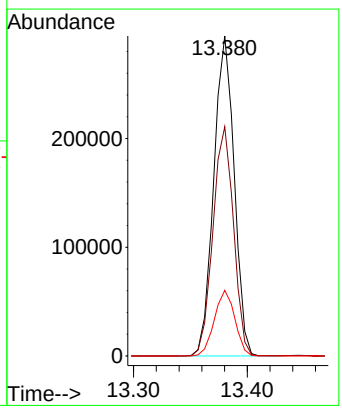


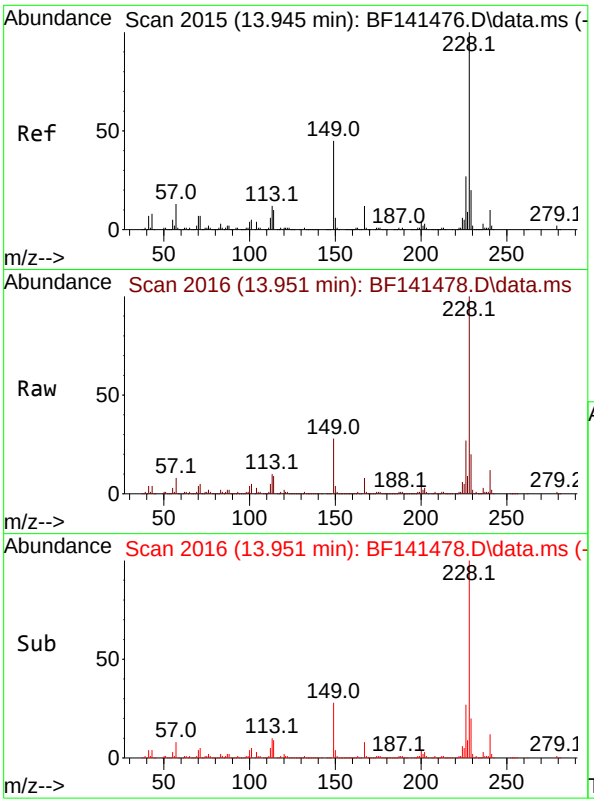


#80
Butylbenzylphthalate
Concen: 63.357 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



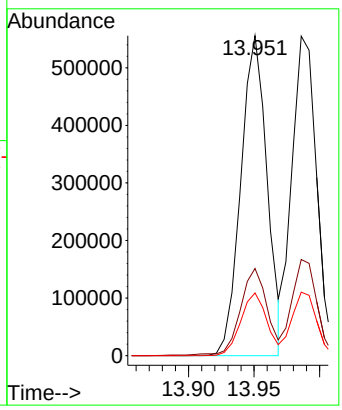


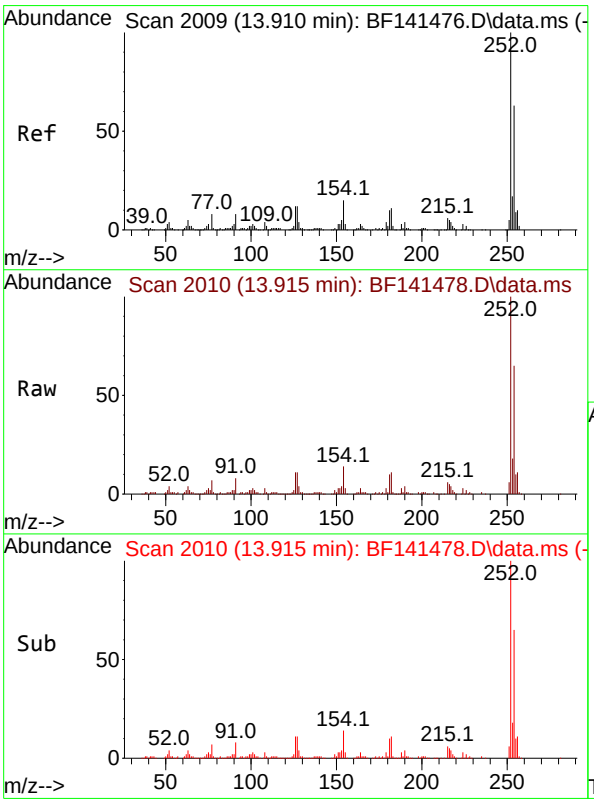
#81
Benzo(a)anthracene
Concen: 59.097 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

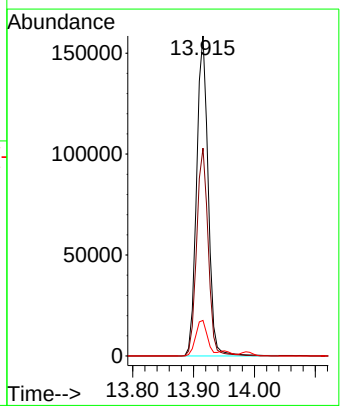


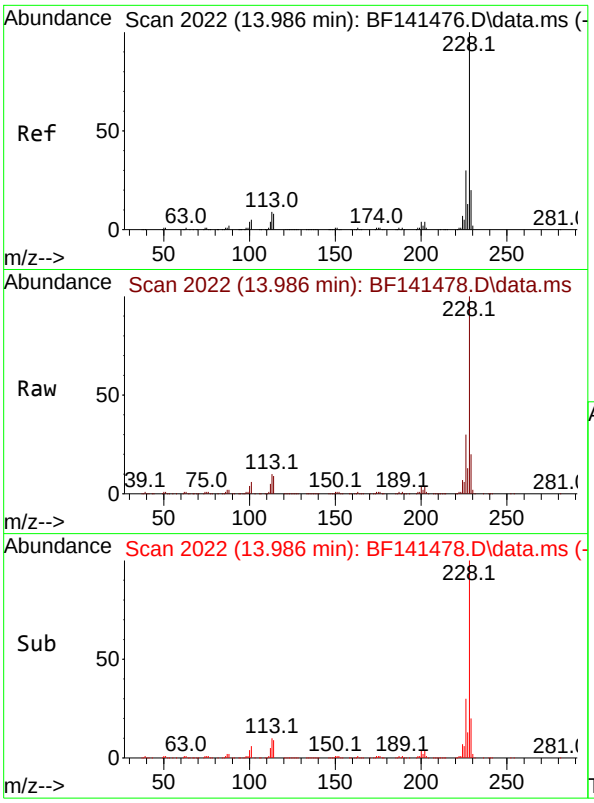


#82
3,3'-Dichlorobenzidine
Concen: 55.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



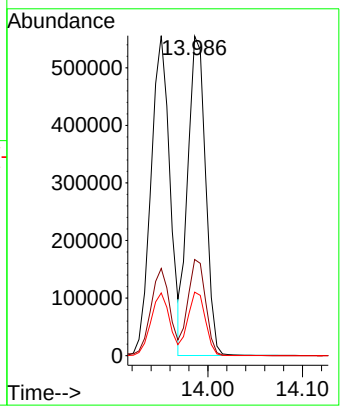


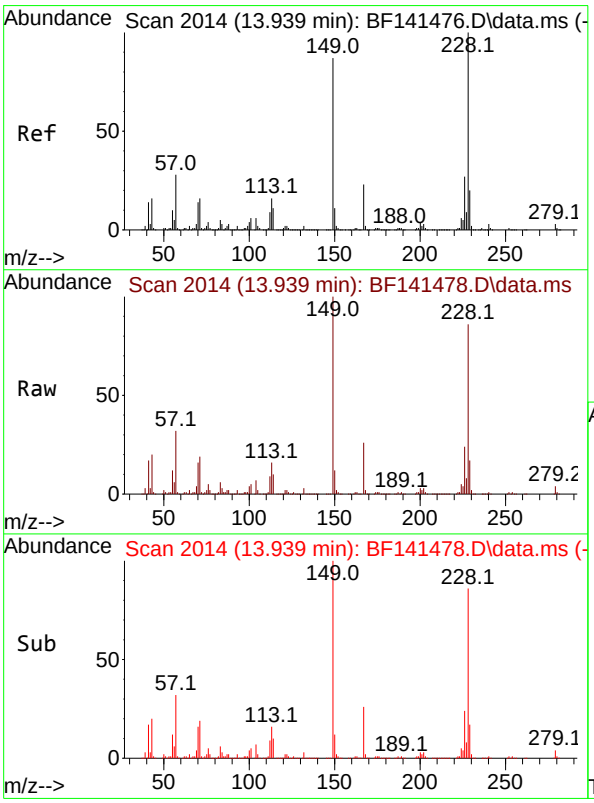
#83
Chrysene
Concen: 59.829 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

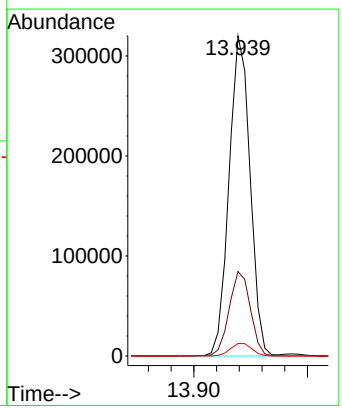


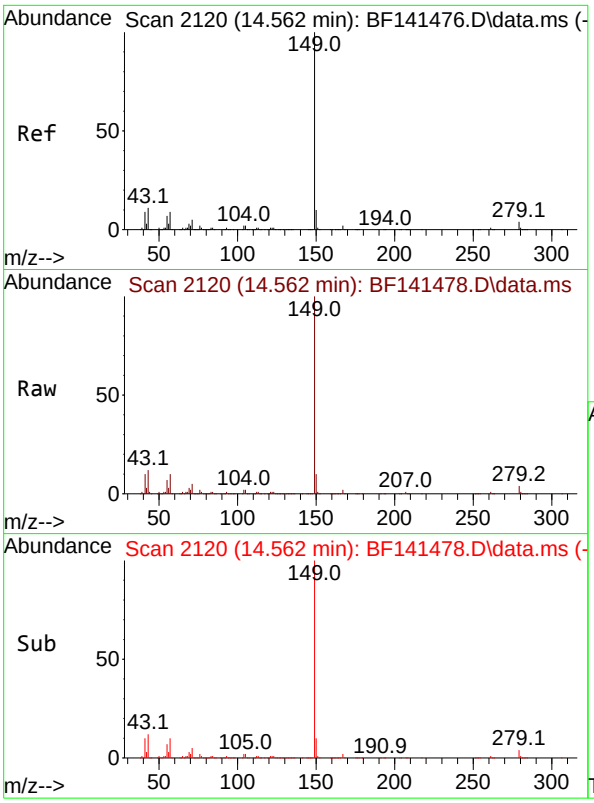


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.851 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



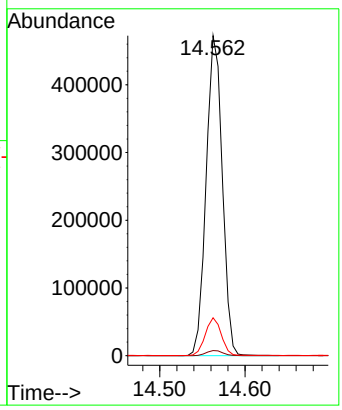


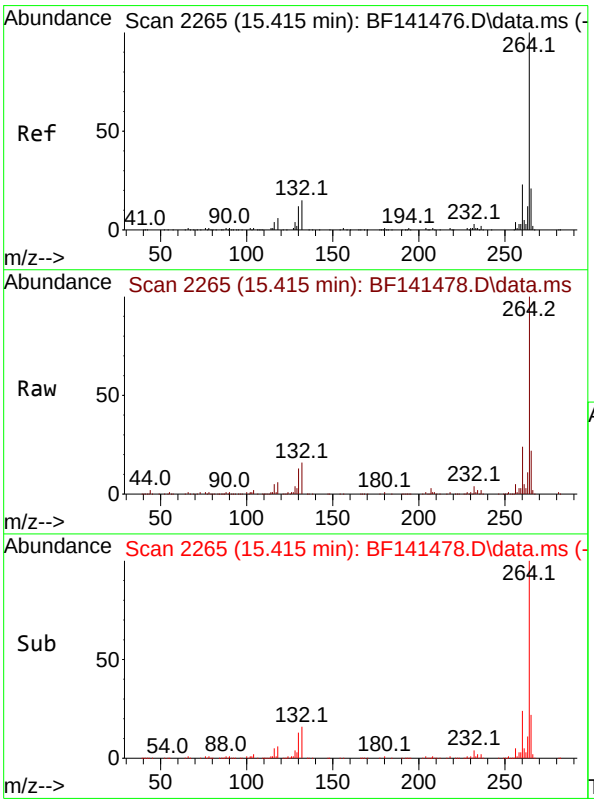
#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

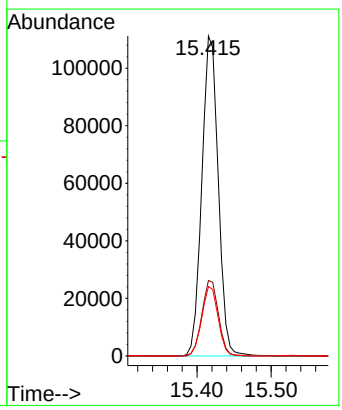


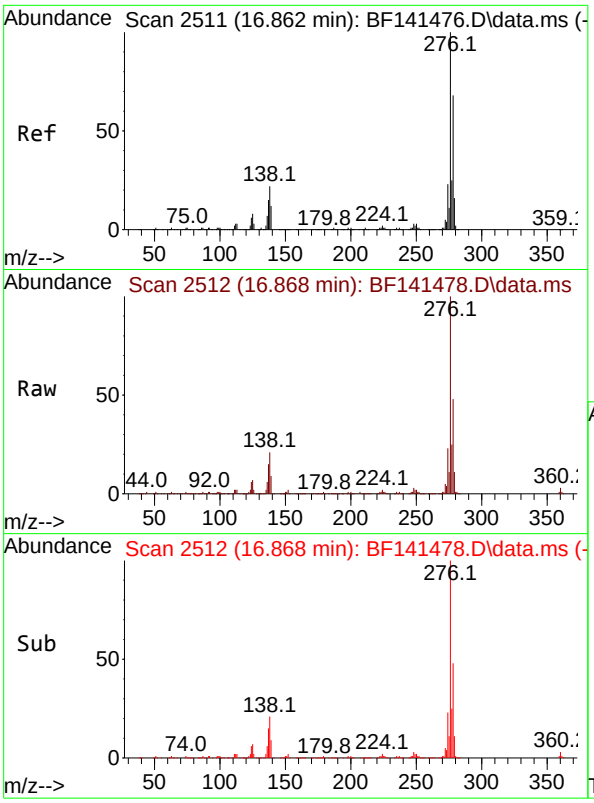


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



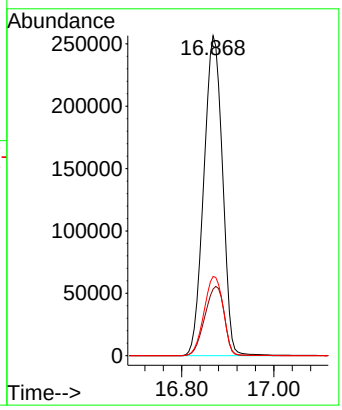


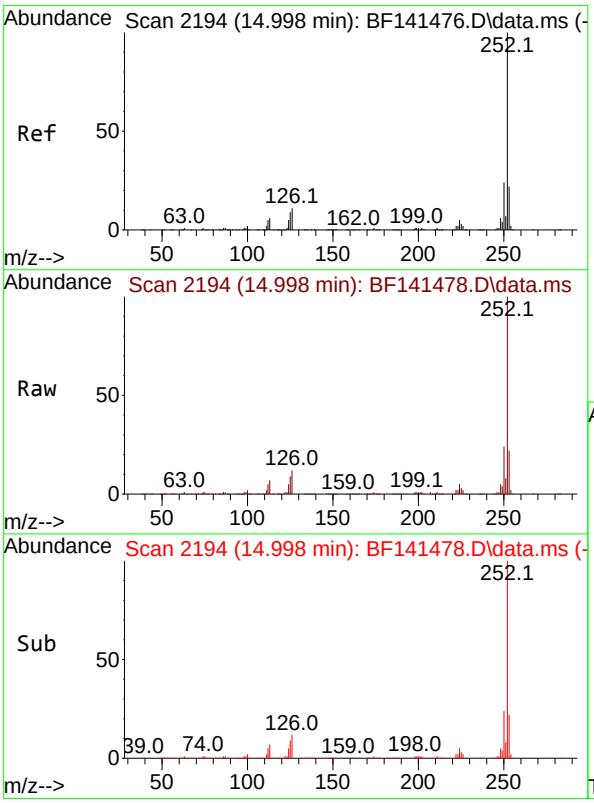
#87
Indeno(1,2,3-cd)pyrene
Concen: 68.464 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

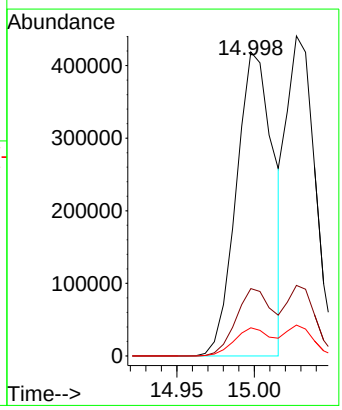


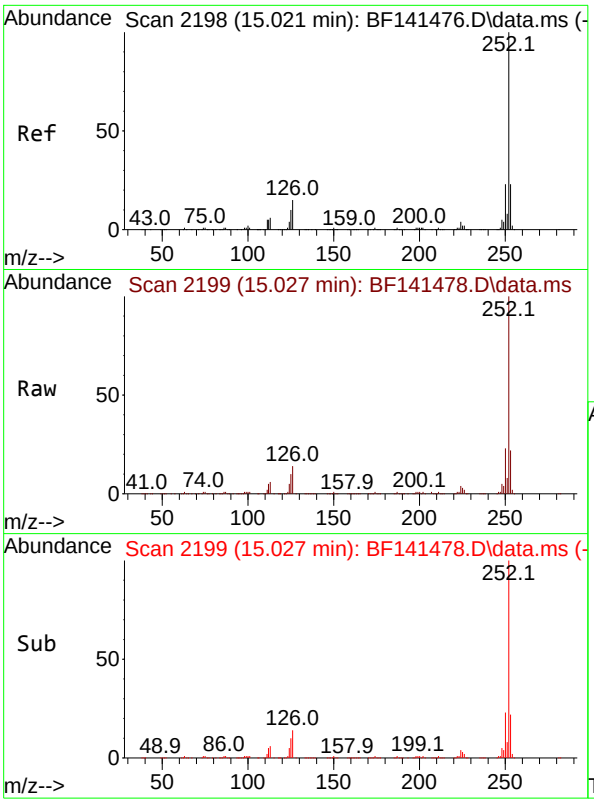


#88
Benzo(b)fluoranthene
Concen: 60.575 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



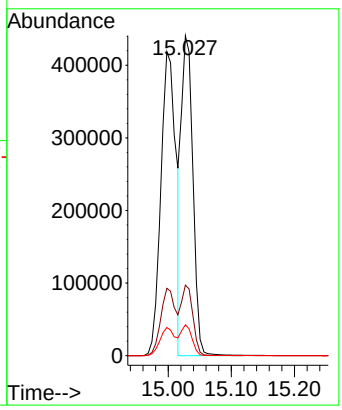


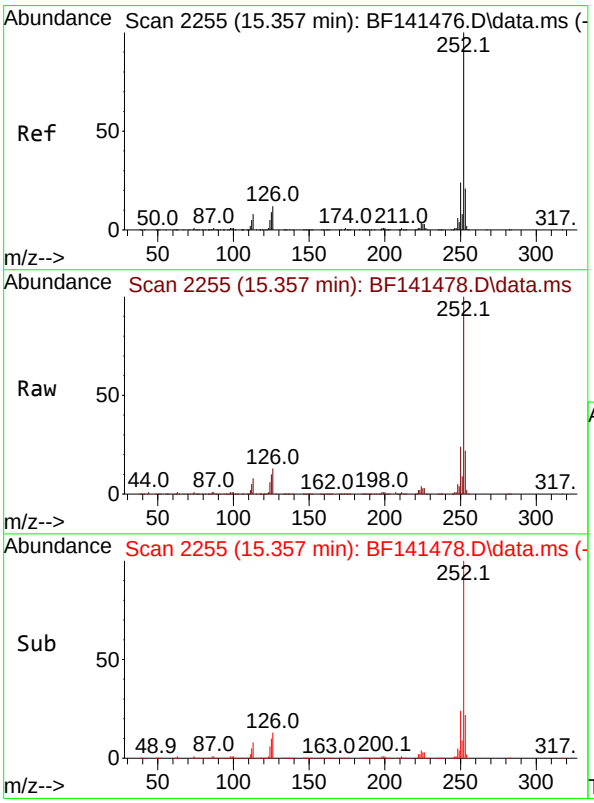
#89
Benzo(k)fluoranthene
Concen: 57.449 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

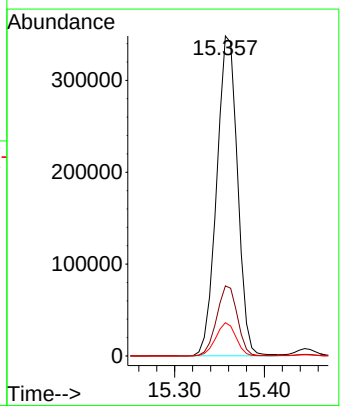


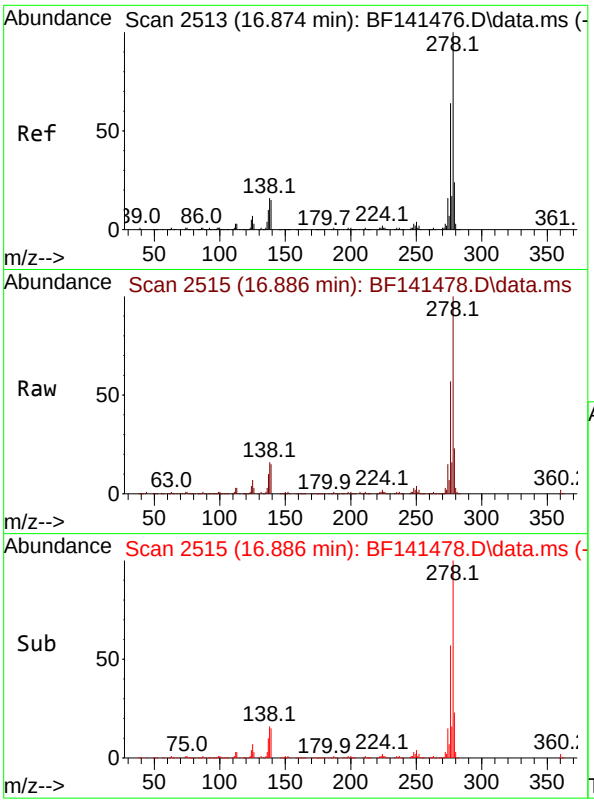


#90
Benzo(a)pyrene
Concen: 60.423 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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



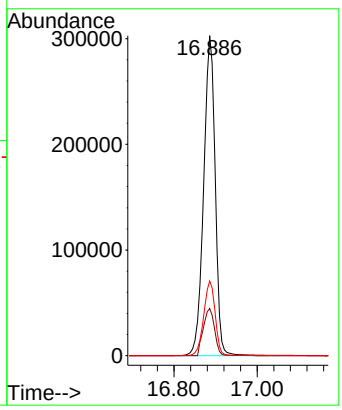


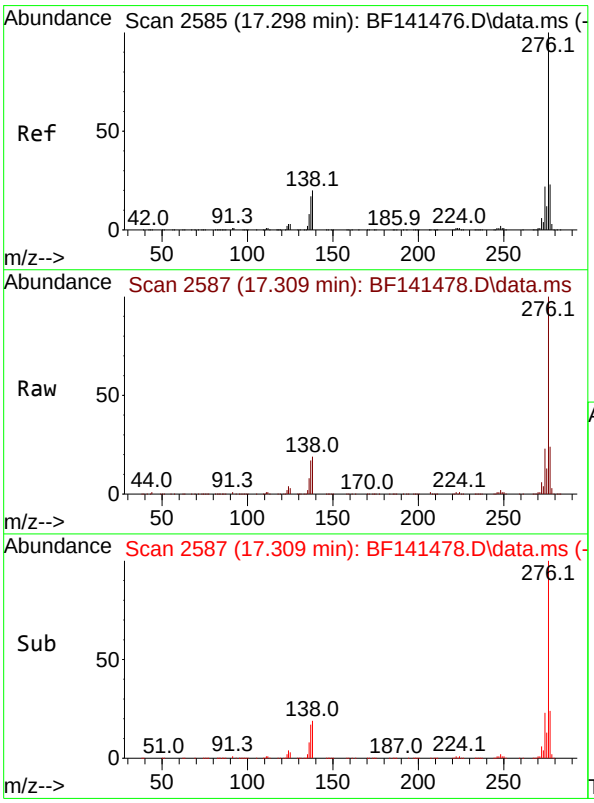
#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

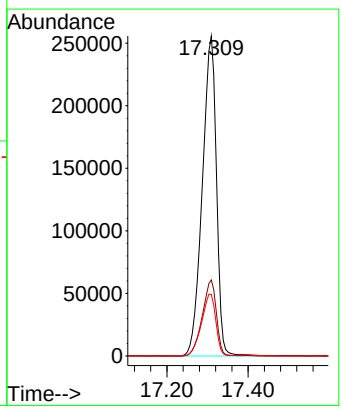




#92
Benzo(g,h,i)perylene
Concen: 68.884 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

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

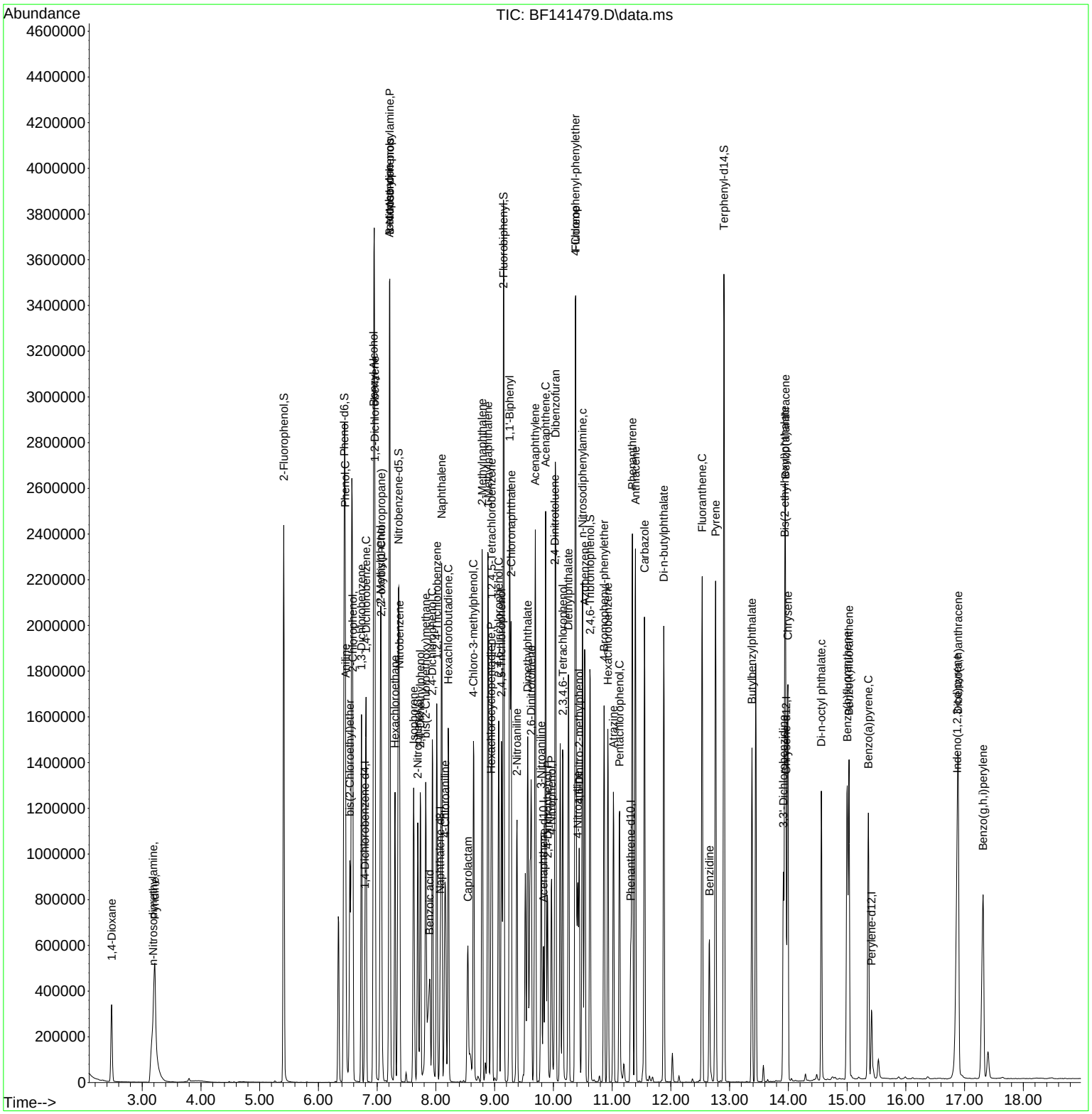
(#) = qualifier out of range (m) = manual integration (+) = signals summed

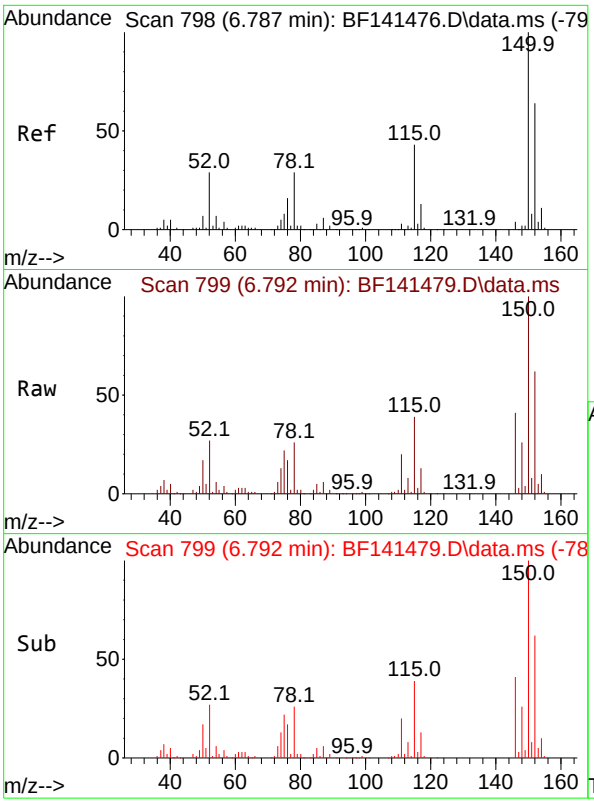
ICAL Form

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



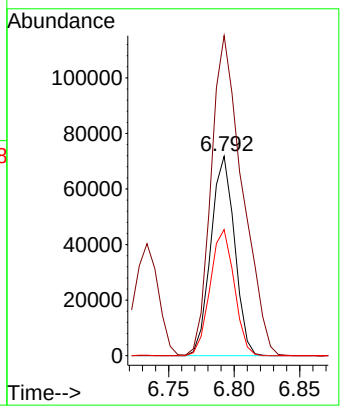


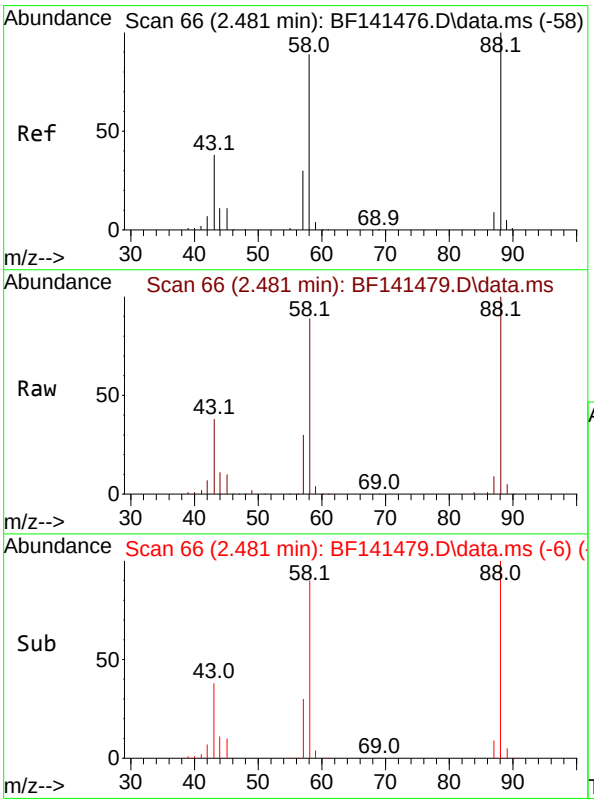
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

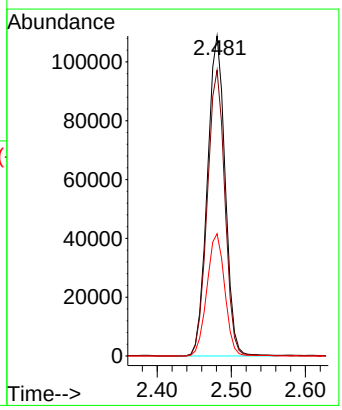


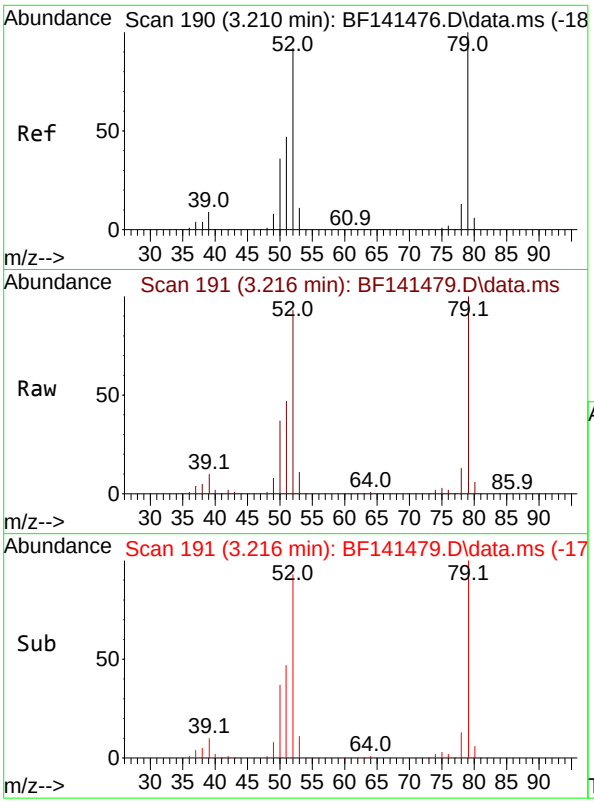


#2
1,4-Dioxane
Concen: 78.119 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



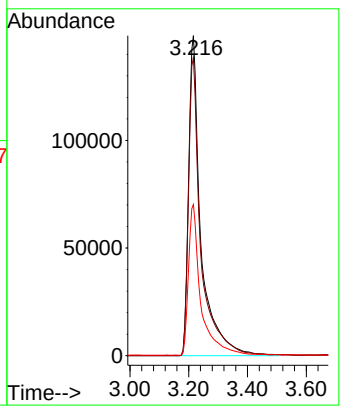


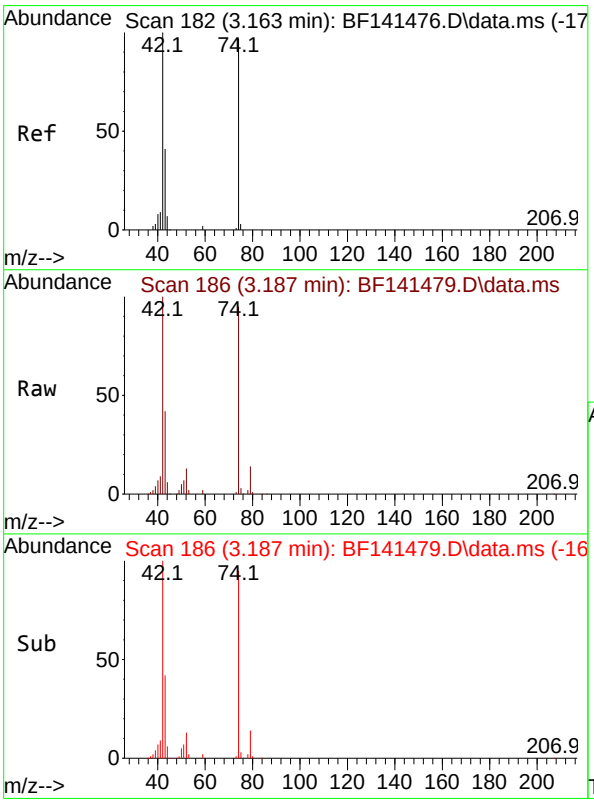
#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

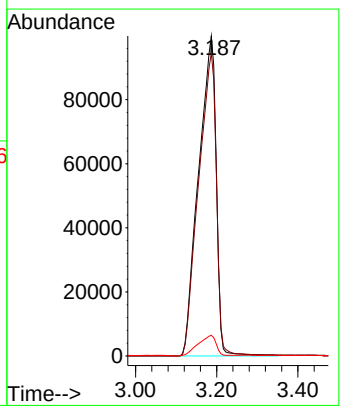


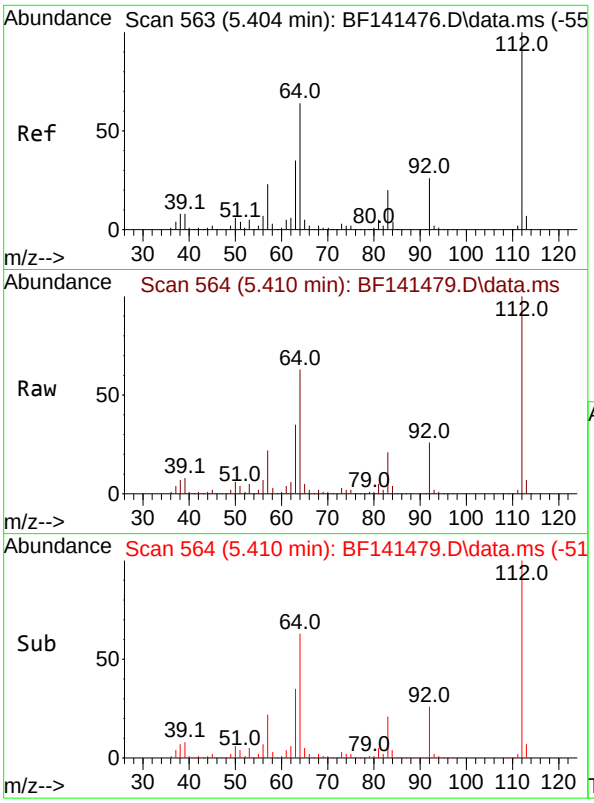


#4
n-Nitrosodimethylamine
Concen: 82.409 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



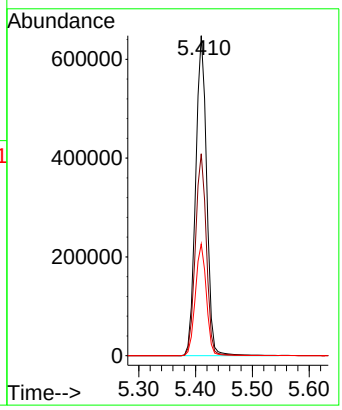


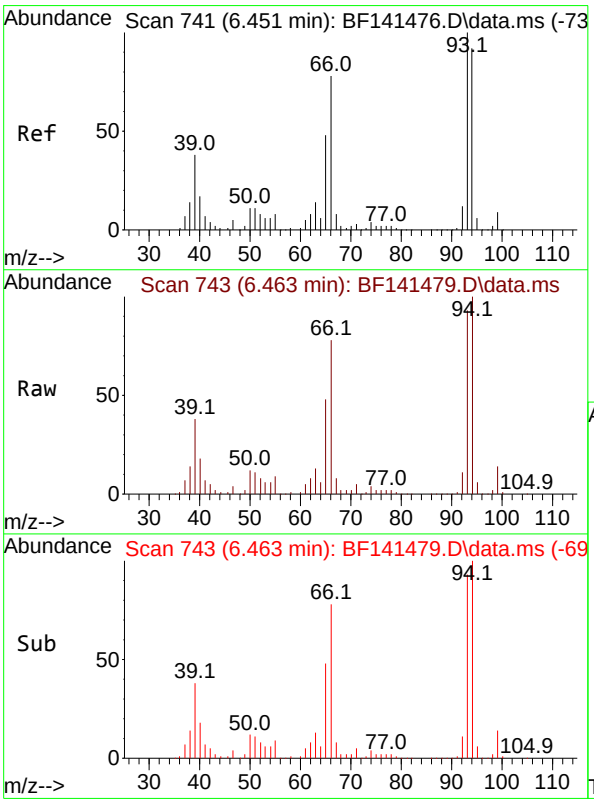
#5
2-Fluorophenol
Concen: 152.272 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

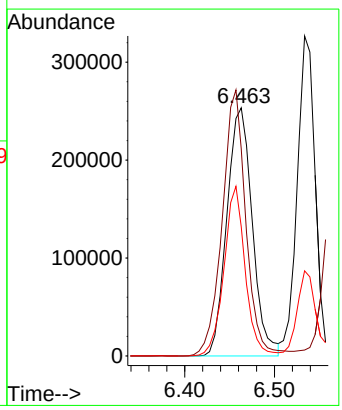


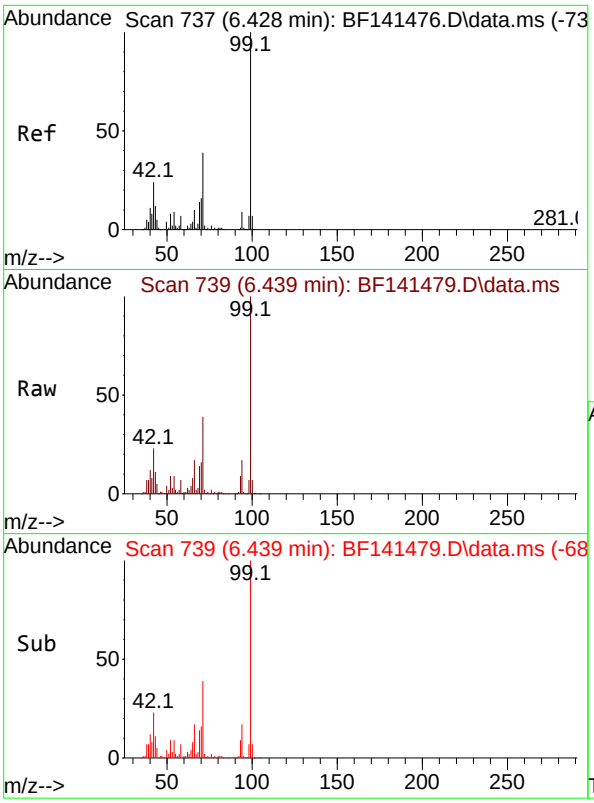


#6
Aniline
Concen: 72.913 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



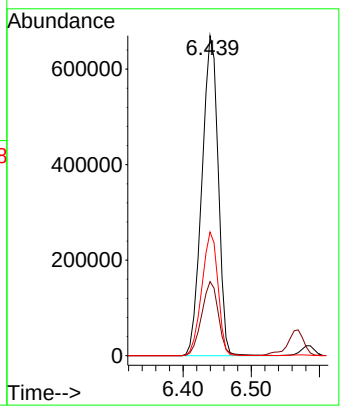


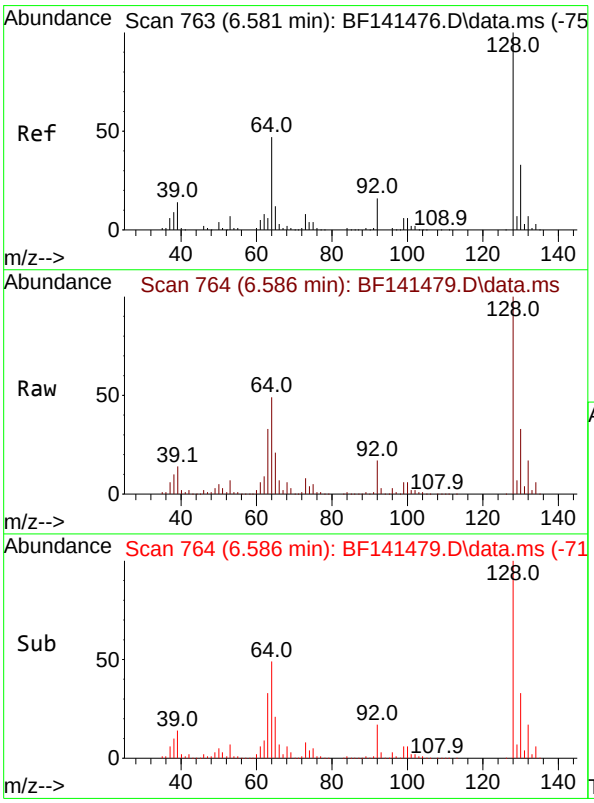
#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

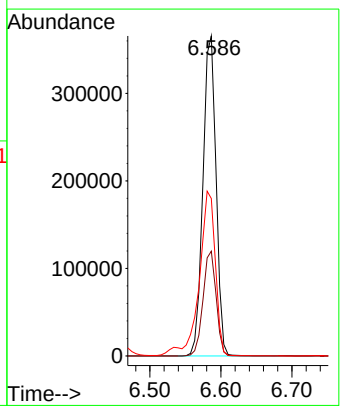


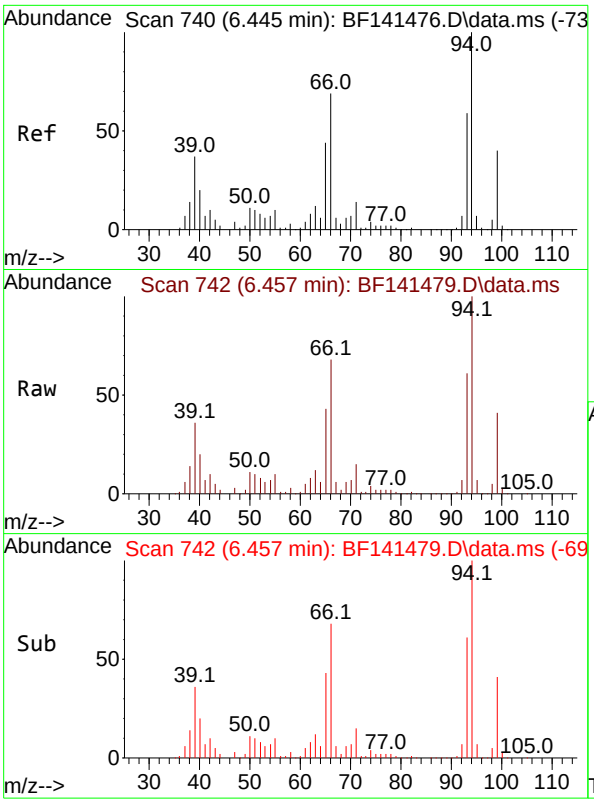


#8
2-Chlorophenol
Concen: 75.577 ng
RT: 6.586 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



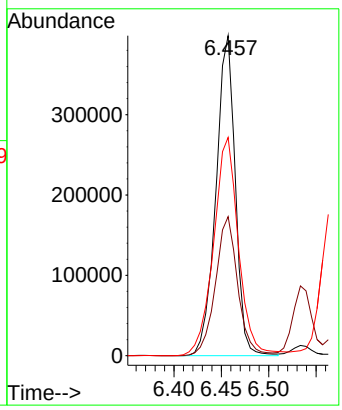


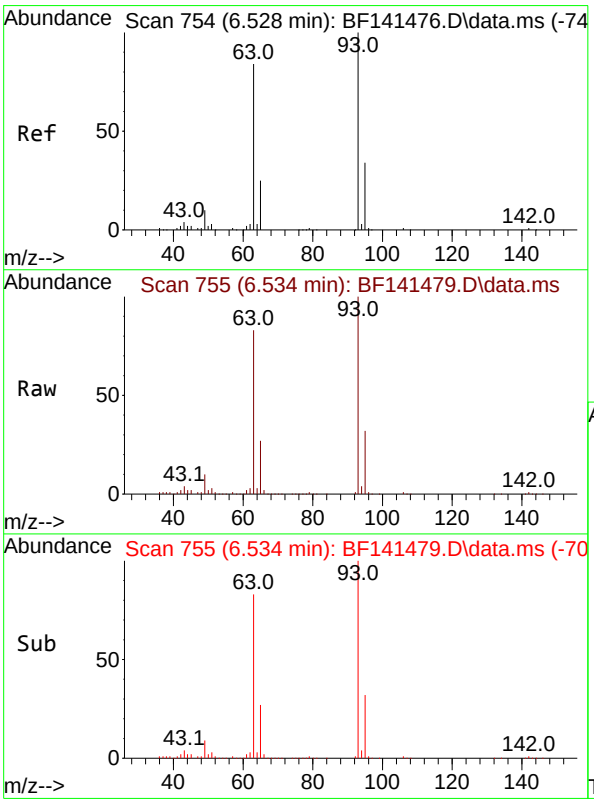
#10
Phenol
Concen: 74.779 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

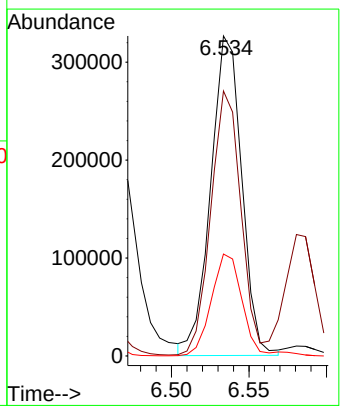


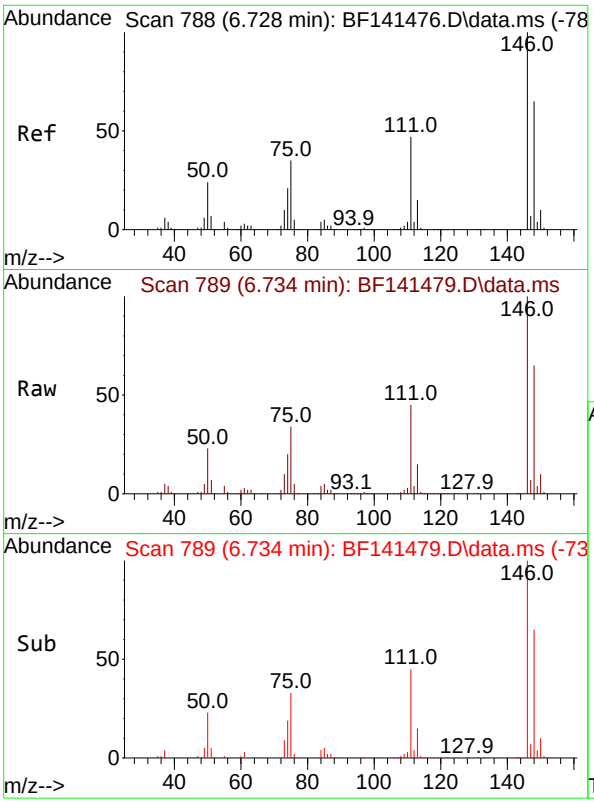


#11
bis(2-Chloroethyl)ether
Concen: 79.695 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



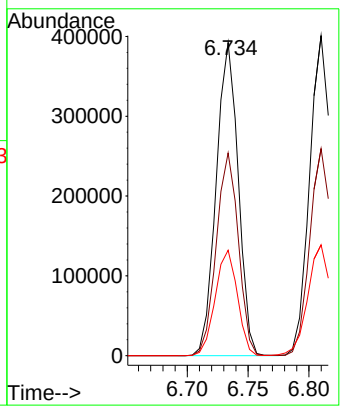


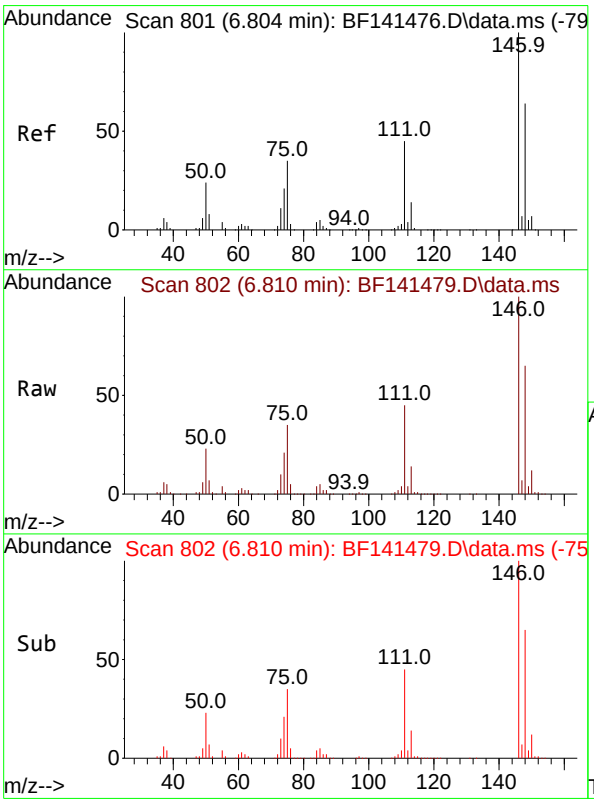
#12
1,3-Dichlorobenzene
Concen: 75.115 ng
RT: 6.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

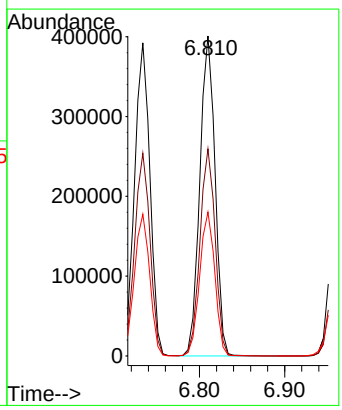


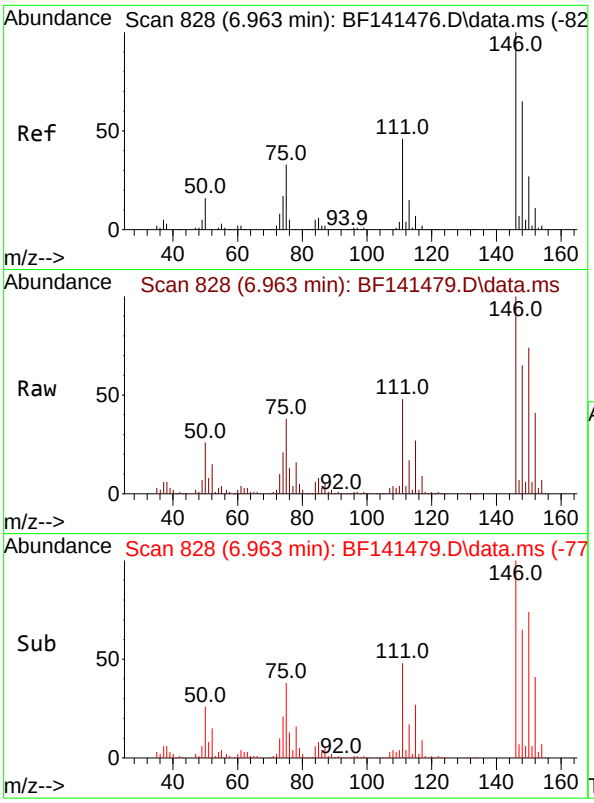


#13
1,4-Dichlorobenzene
Concen: 74.175 ng
RT: 6.810 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



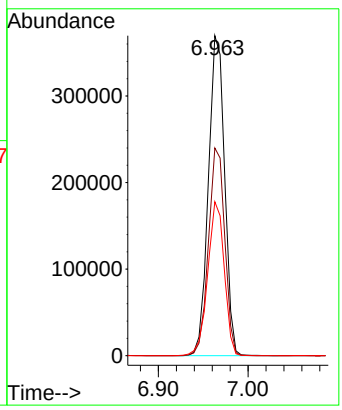


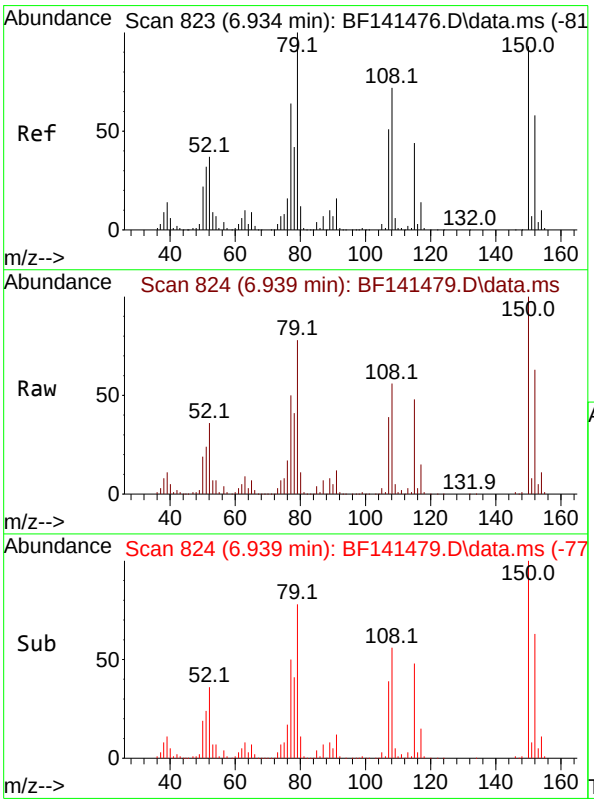
#14
1,2-Dichlorobenzene
Concen: 74.465 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

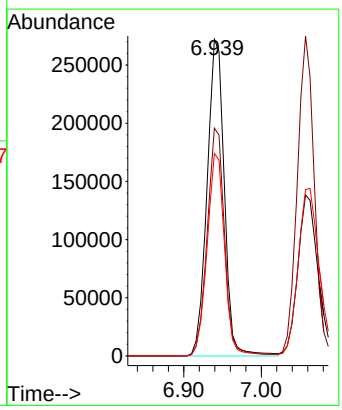


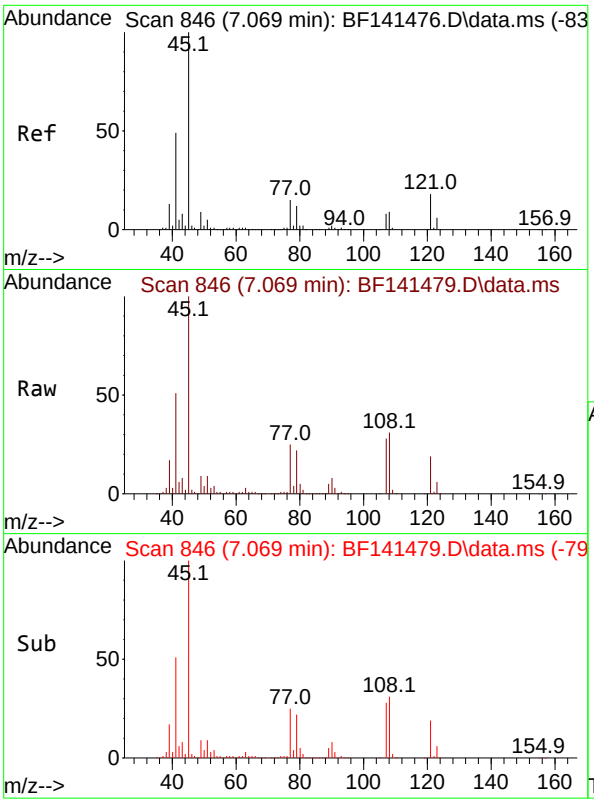


#15
Benzyl Alcohol
Concen: 75.258 ng
RT: 6.939 min Scan# 824
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



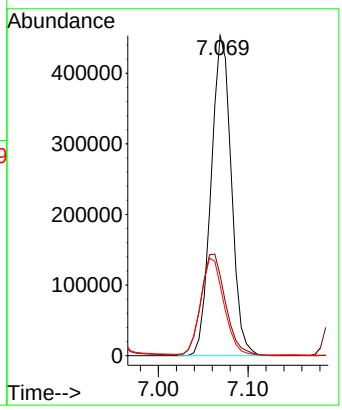


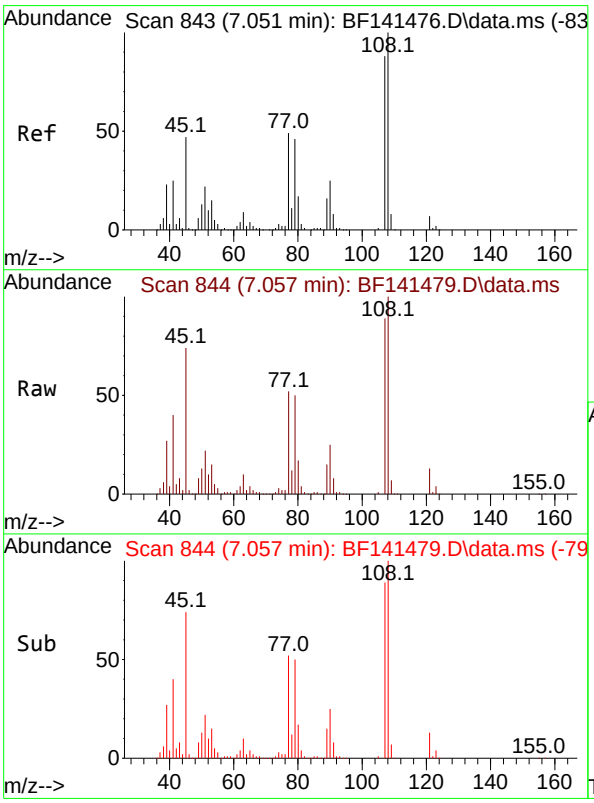
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.613 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

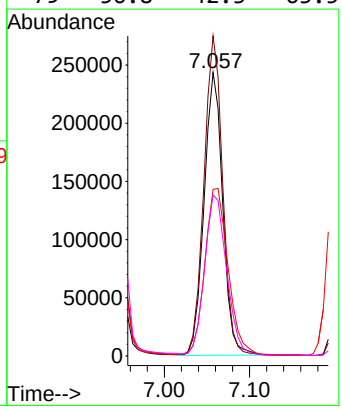


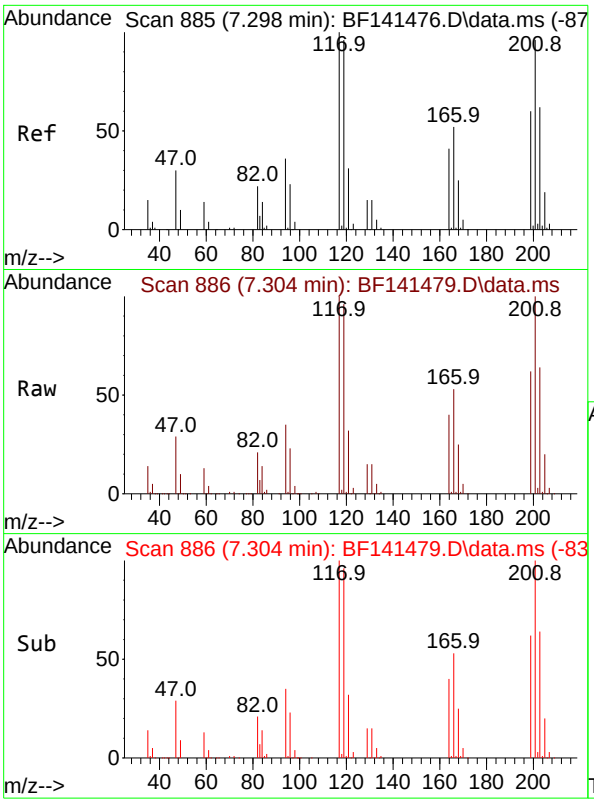


#17
2-Methylphenol
Concen: 75.912 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



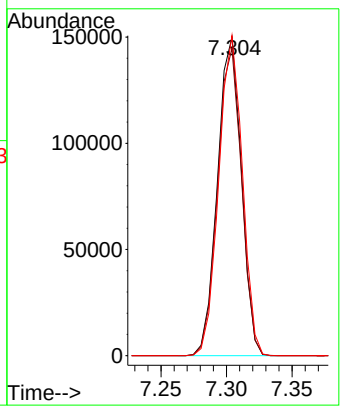


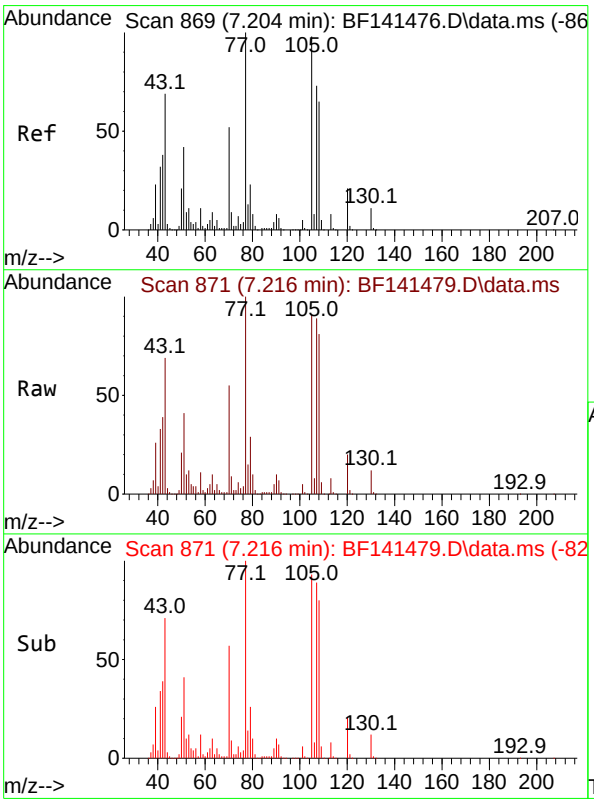
#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

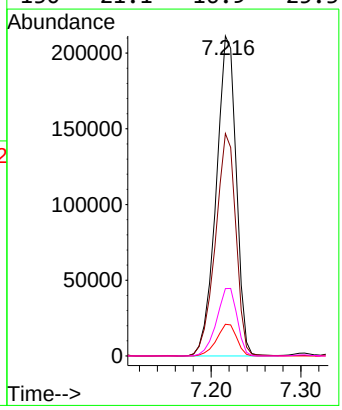


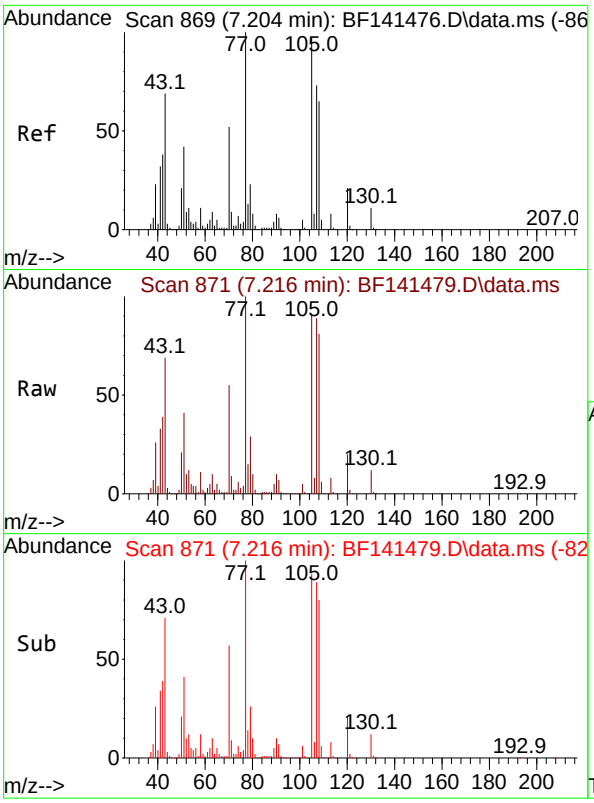


#19
n-Nitroso-di-n-propylamine
Concen: 75.249 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



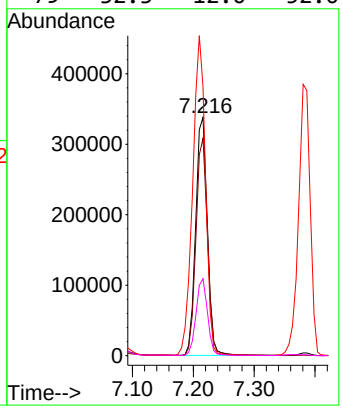


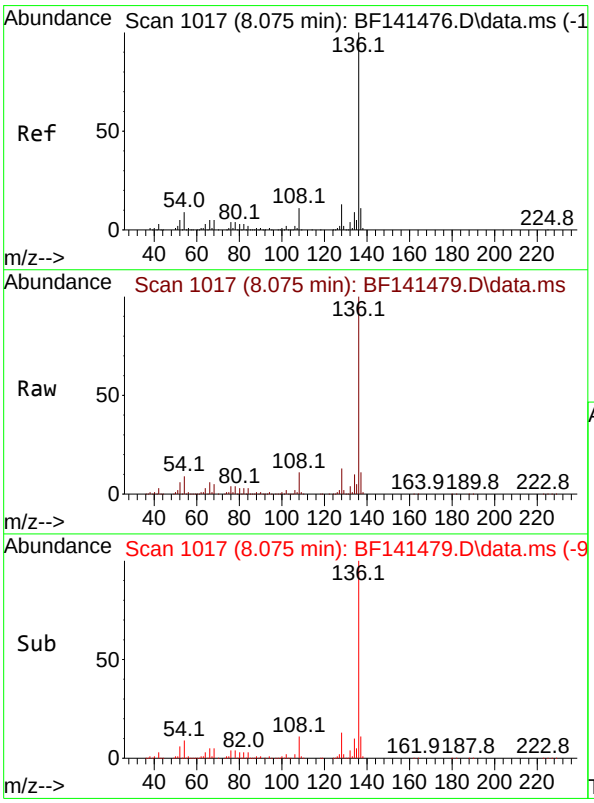
#20
3+4-Methylphenols
Concen: 72.613 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

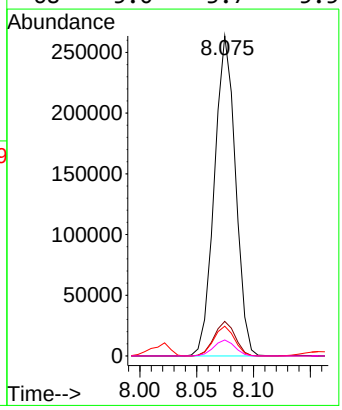


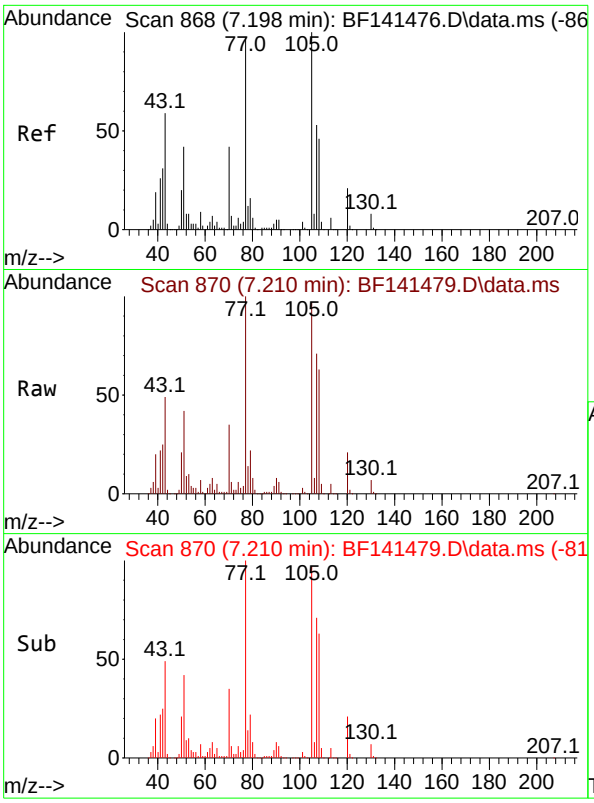


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



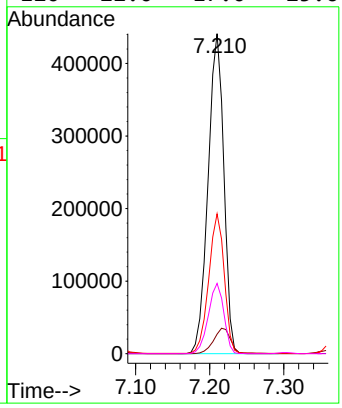


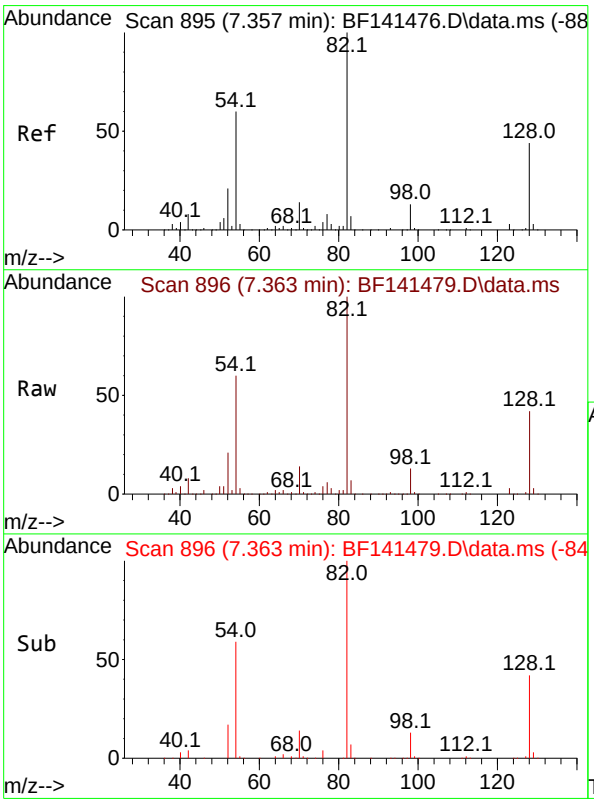
#22
Acetophenone
Concen: 76.846 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

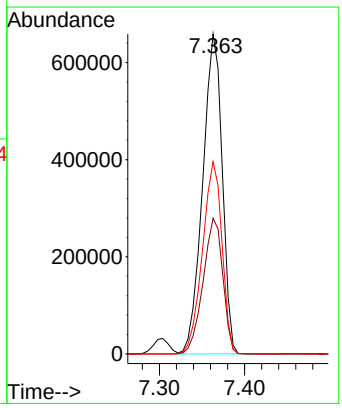


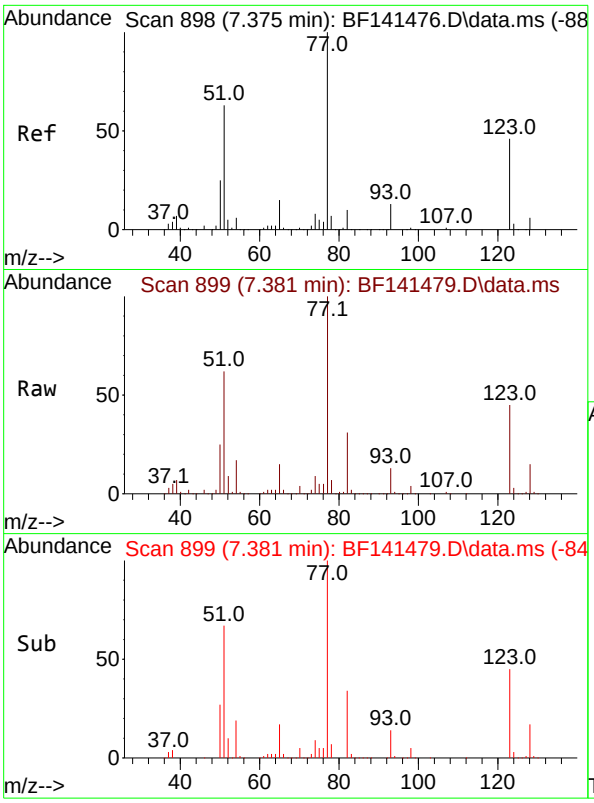


#23
Nitrobenzene-d5
Concen: 160.228 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



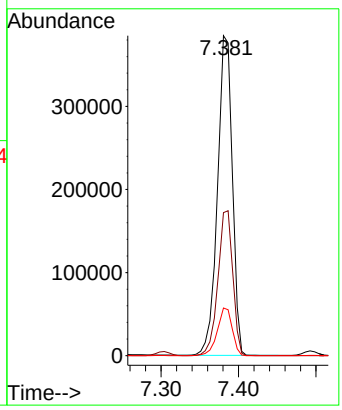


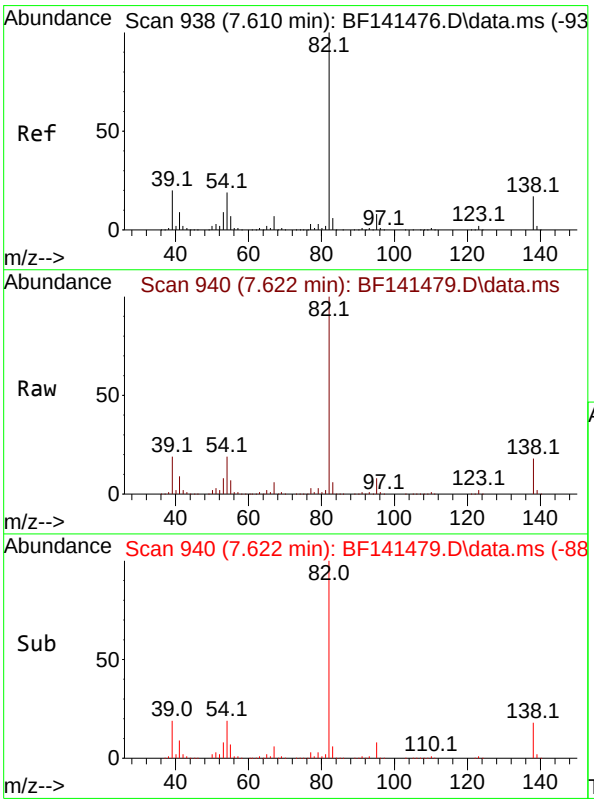
#24
Nitrobenzene
Concen: 80.448 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

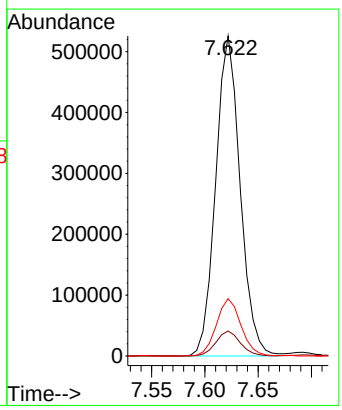


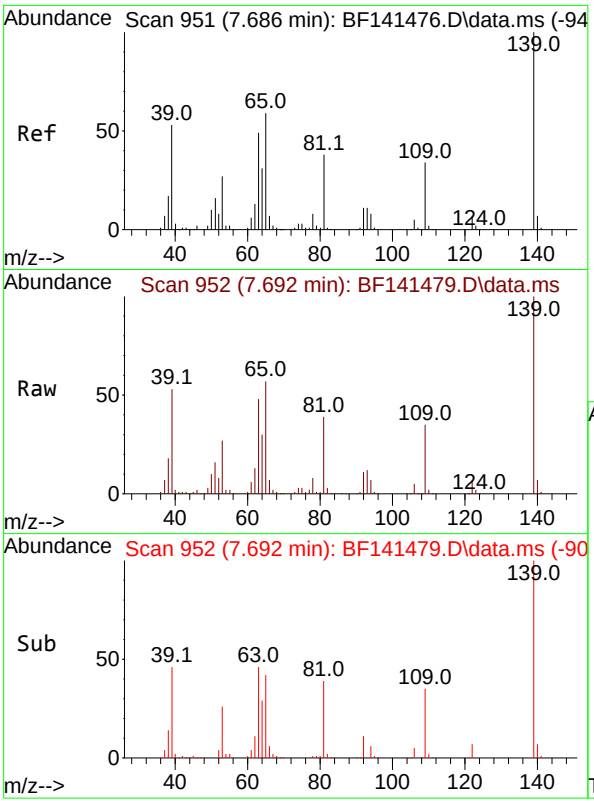


#25
Isophorone
Concen: 80.337 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



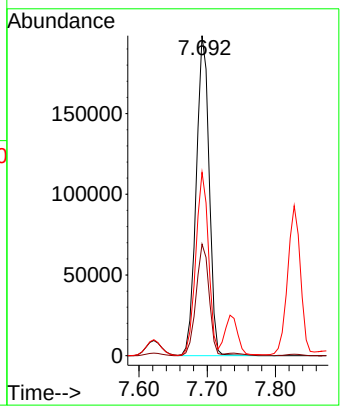


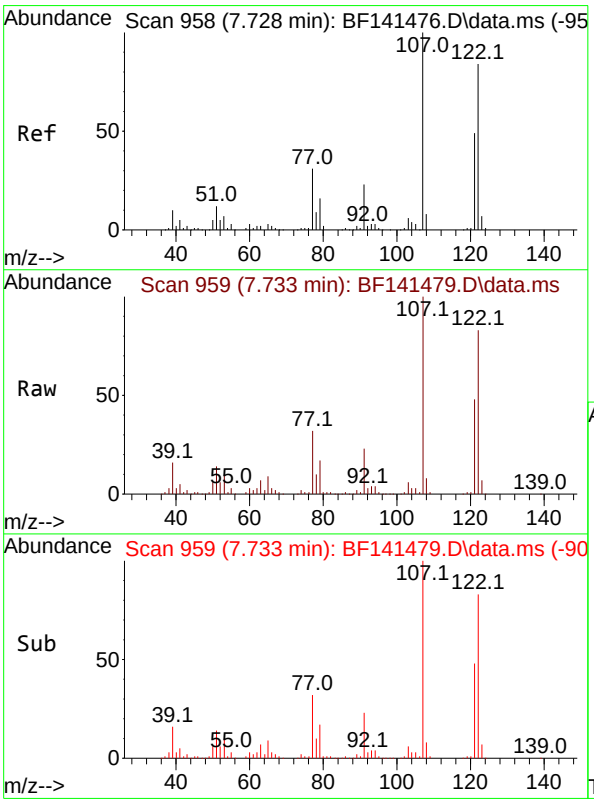
#26
2-Nitrophenol
Concen: 82.350 ng
RT: 7.692 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

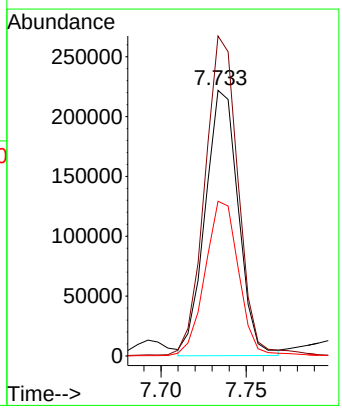


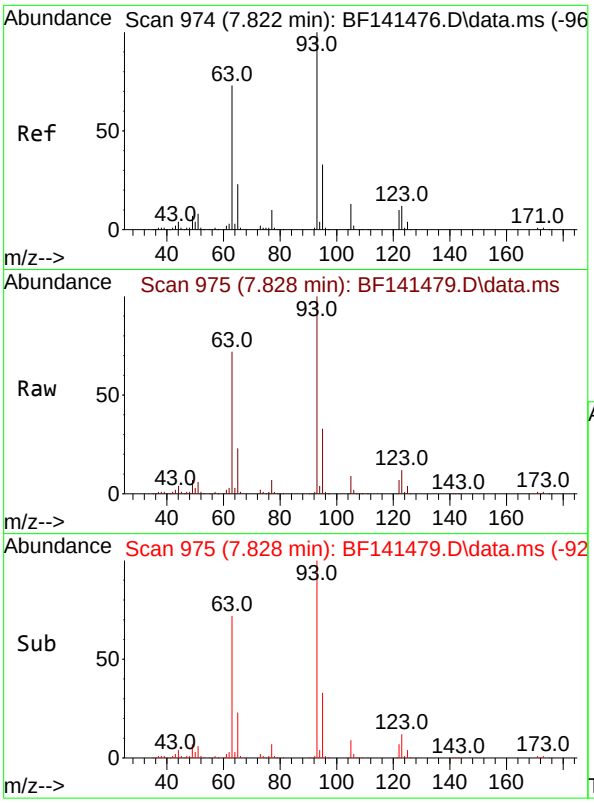


#27
2,4-Dimethylphenol
Concen: 80.915 ng
RT: 7.733 min Scan# 959
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



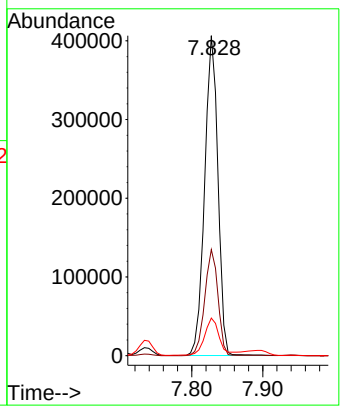


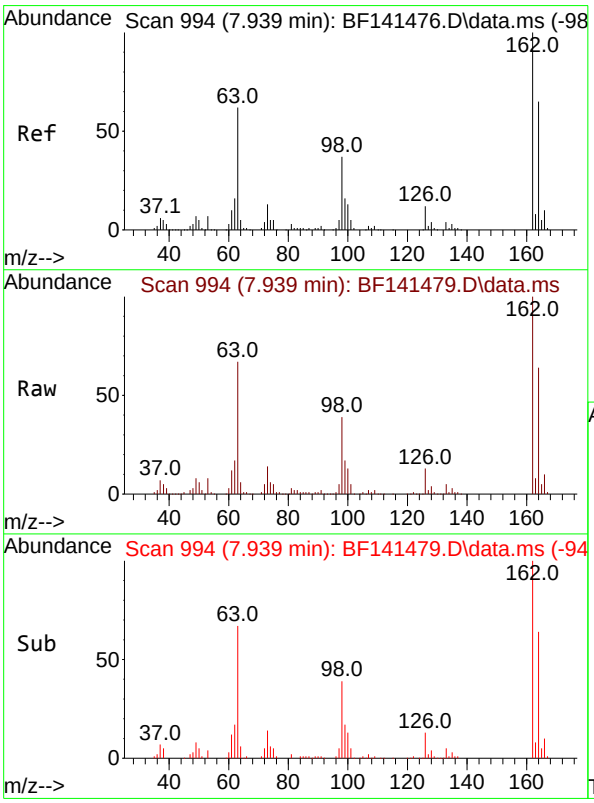
#28
bis(2-Chloroethoxy)methane
Concen: 79.203 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

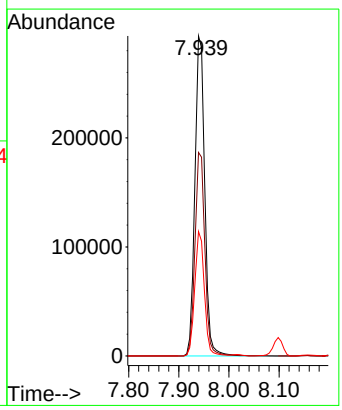


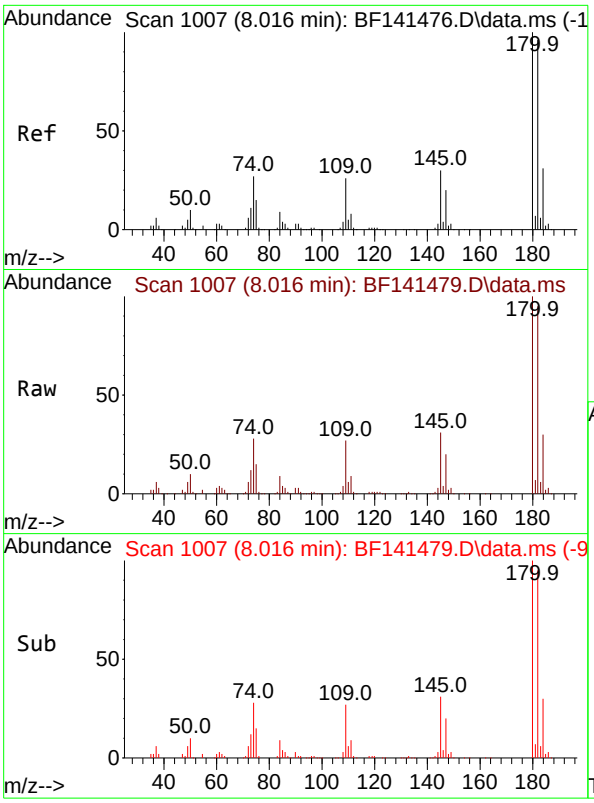


#29
2,4-Dichlorophenol
Concen: 79.645 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



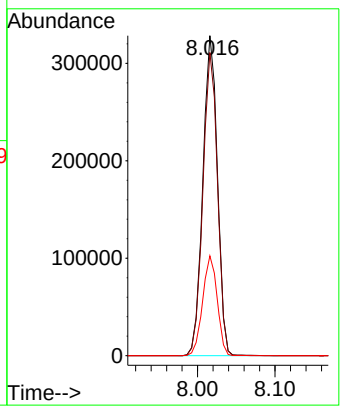


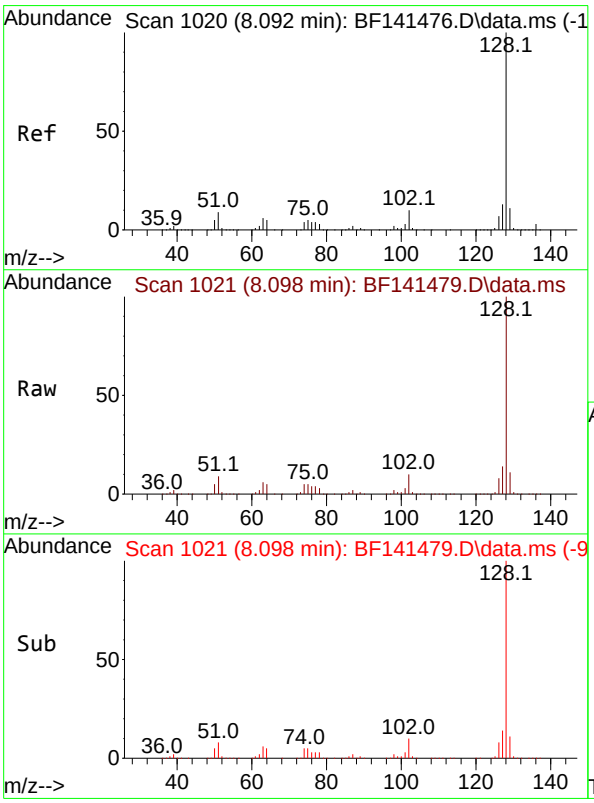
#30
1,2,4-Trichlorobenzene
Concen: 78.568 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

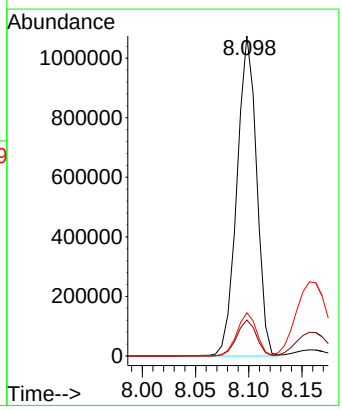


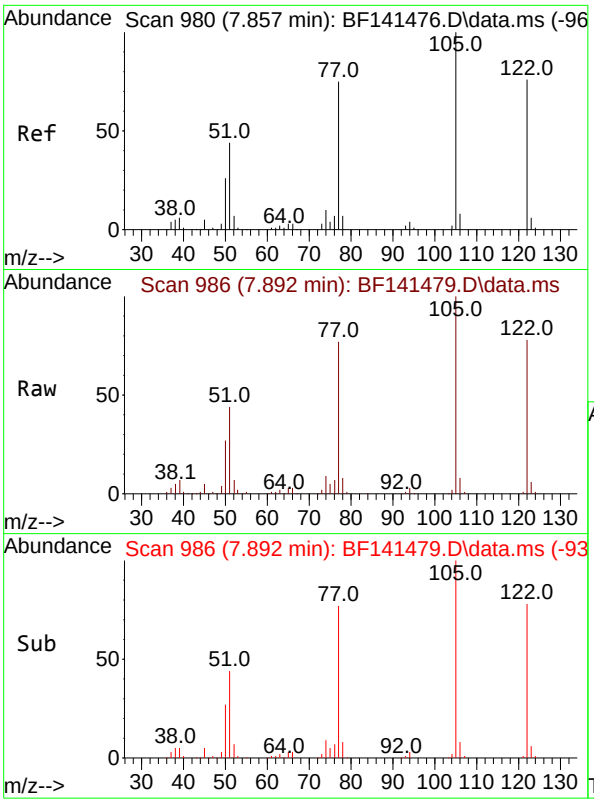


#31
Naphthalene
Concen: 77.769 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



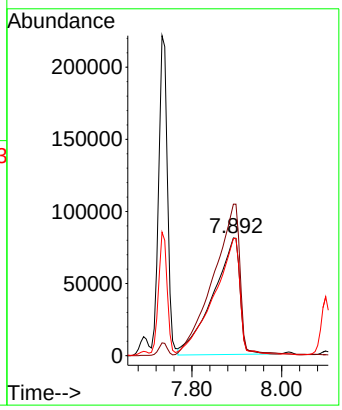


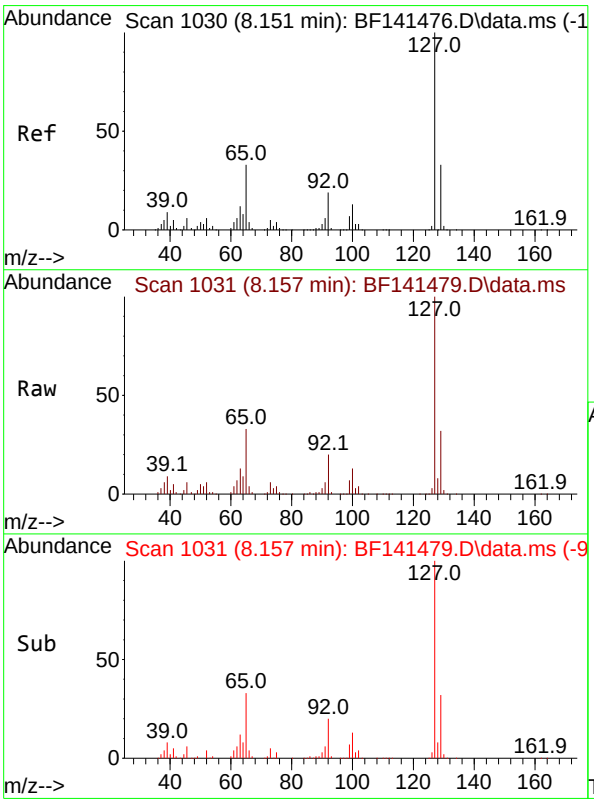
#32
Benzoic acid
Concen: 87.086 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

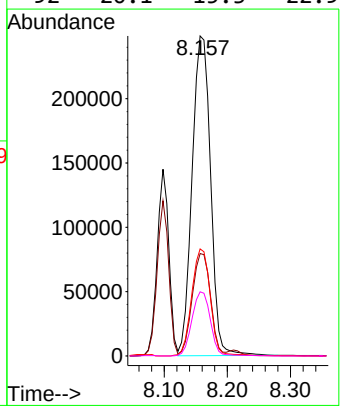


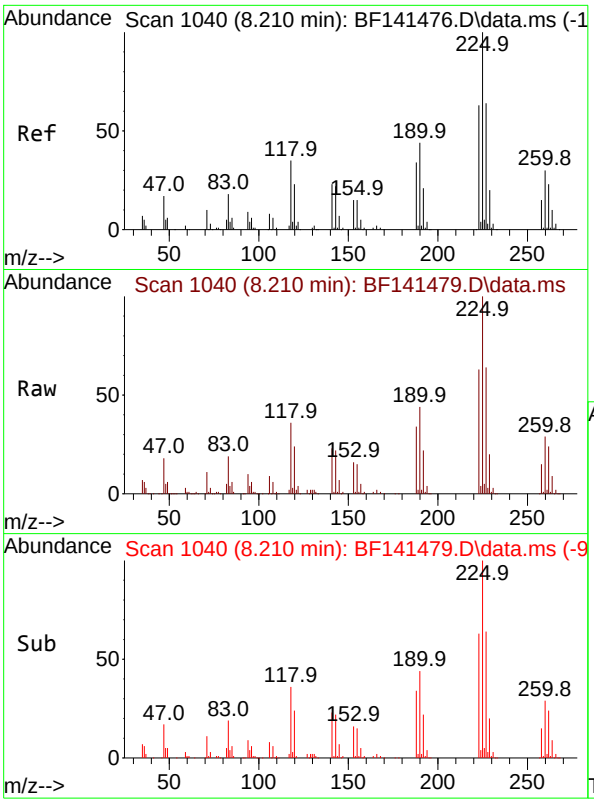


#33
4-Chloroaniline
Concen: 81.400 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



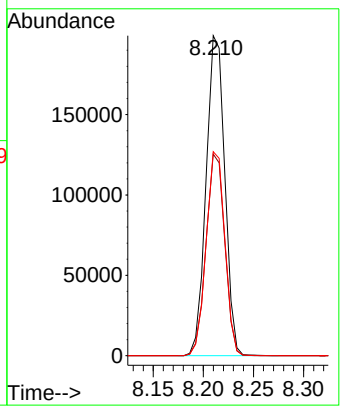


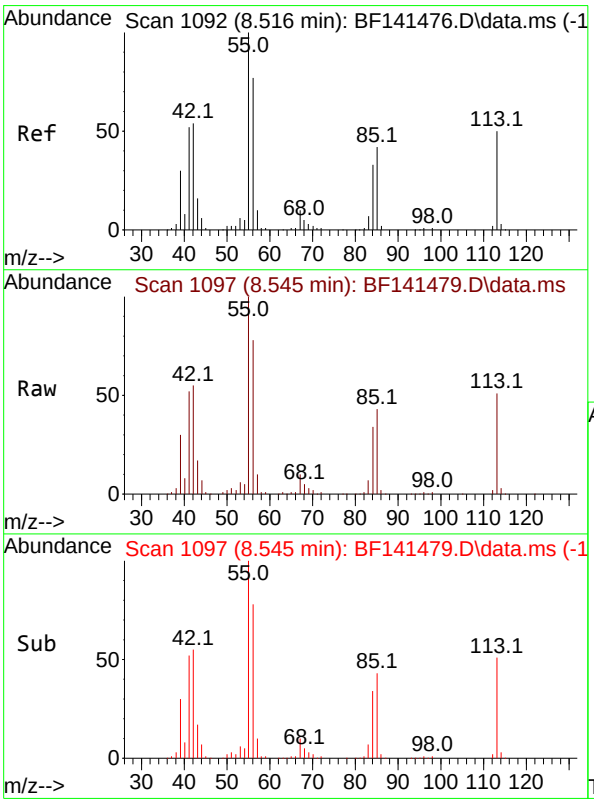
#34
Hexachlorobutadiene
Concen: 78.628 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

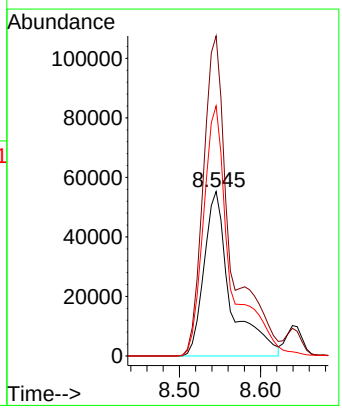


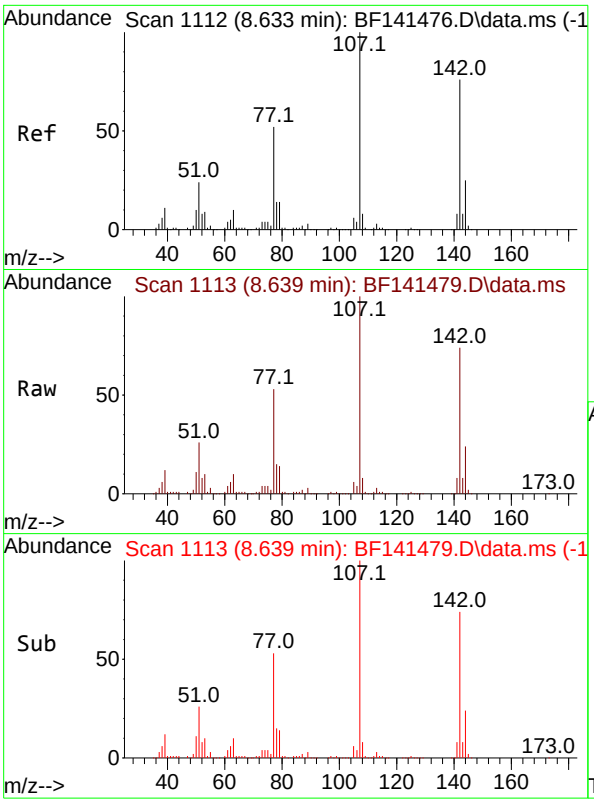


#35
Caprolactam
Concen: 82.350 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



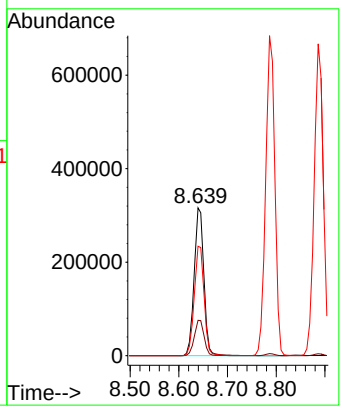


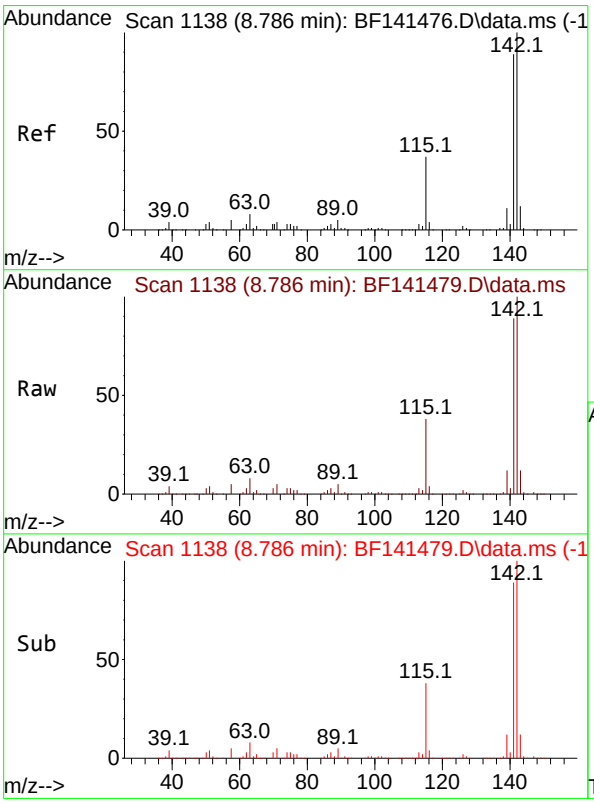
#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

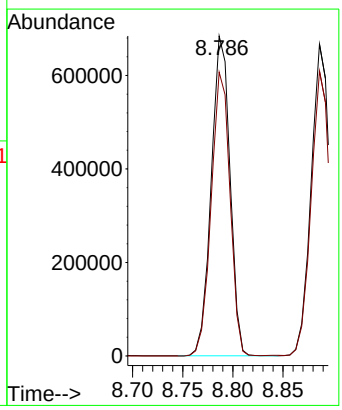


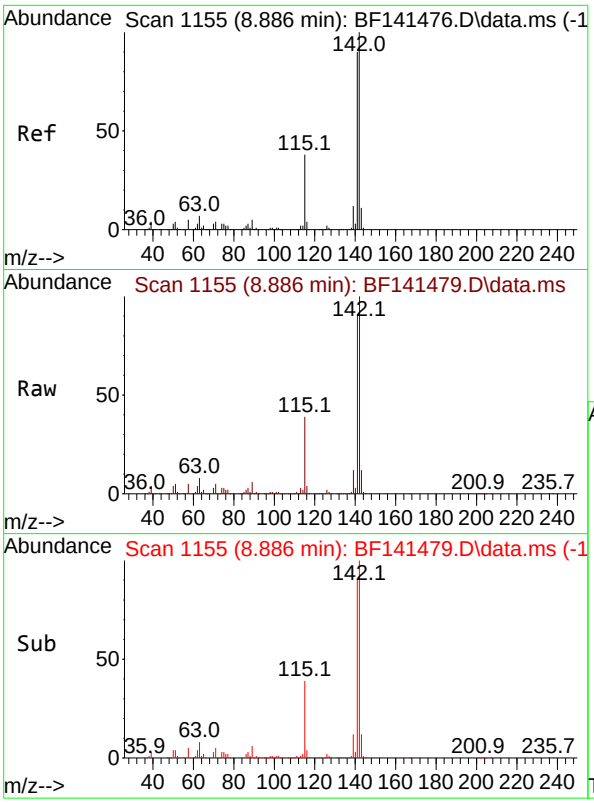


#37
2-Methylnaphthalene
Concen: 76.975 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 889774

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8



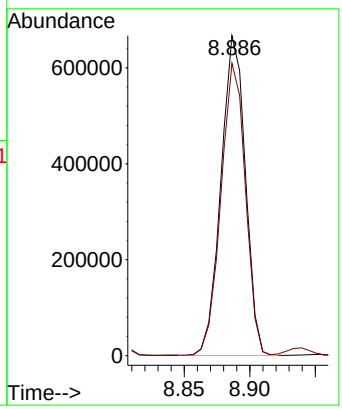


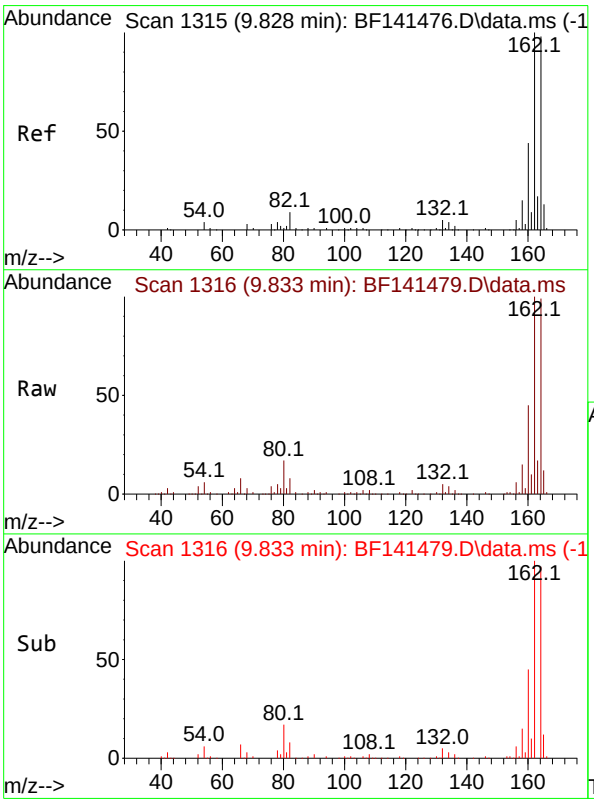
#38
1-Methylnaphthalene
Concen: 76.983 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 861860

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1

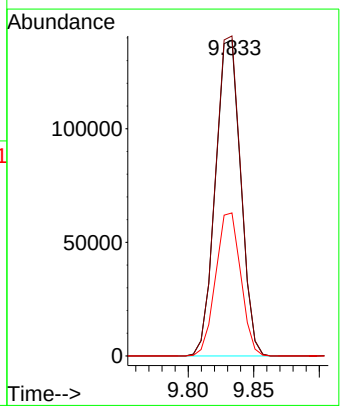


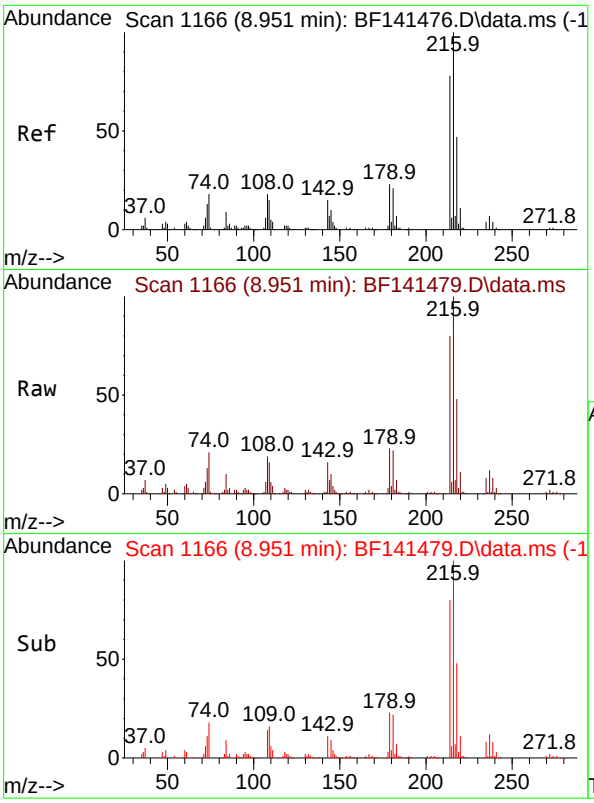


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



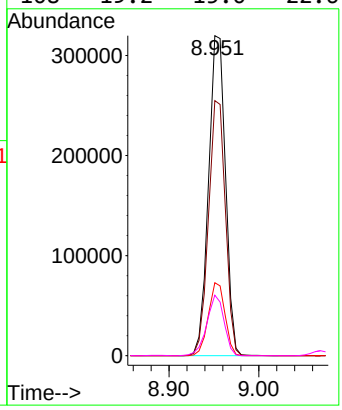


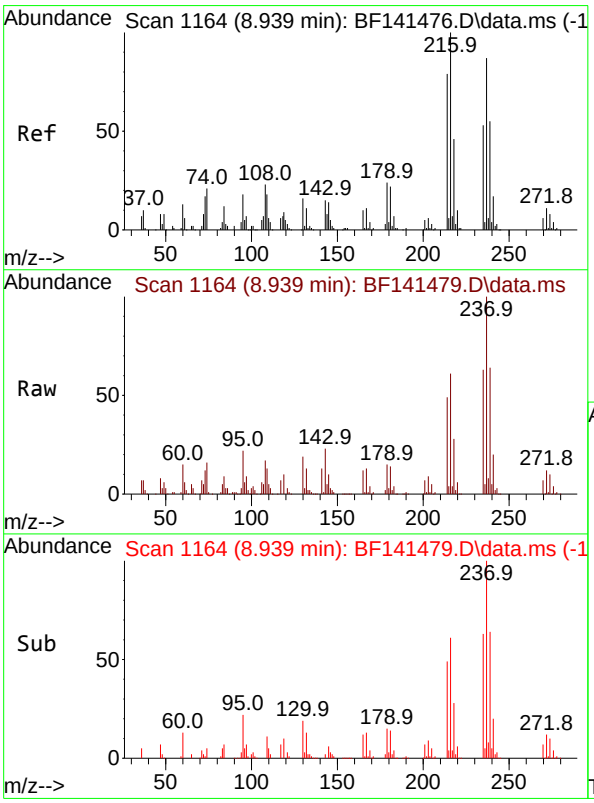
#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.689 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

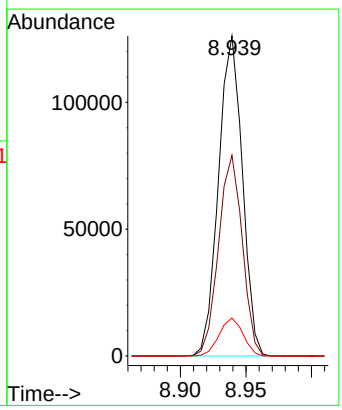


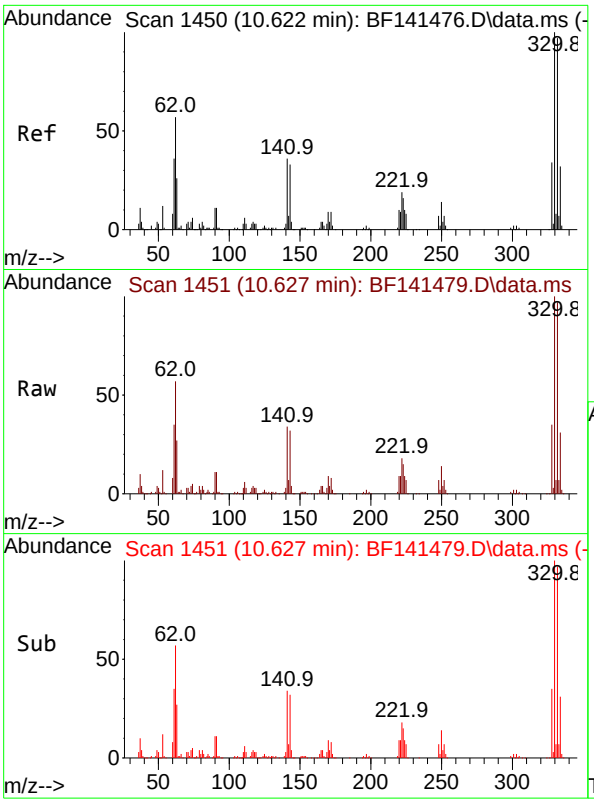


#41
Hexachlorocyclopentadiene
Concen: 88.965 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



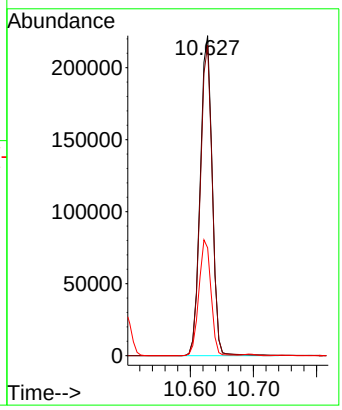


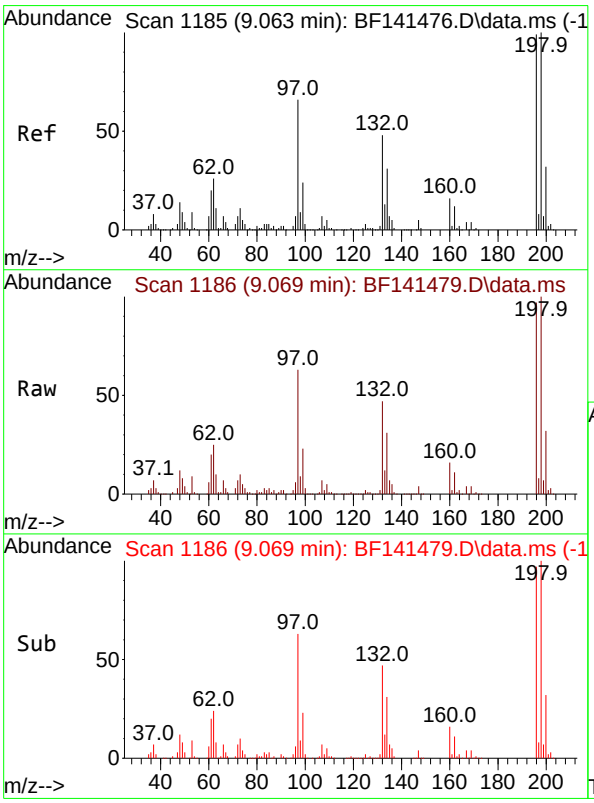
#42
2,4,6-Tribromophenol
Concen: 156.058 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

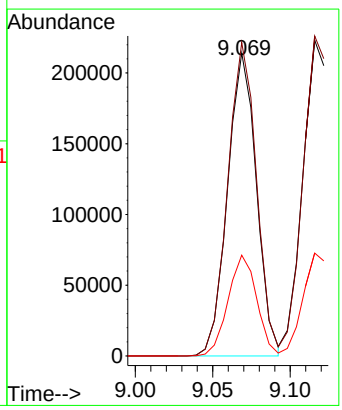


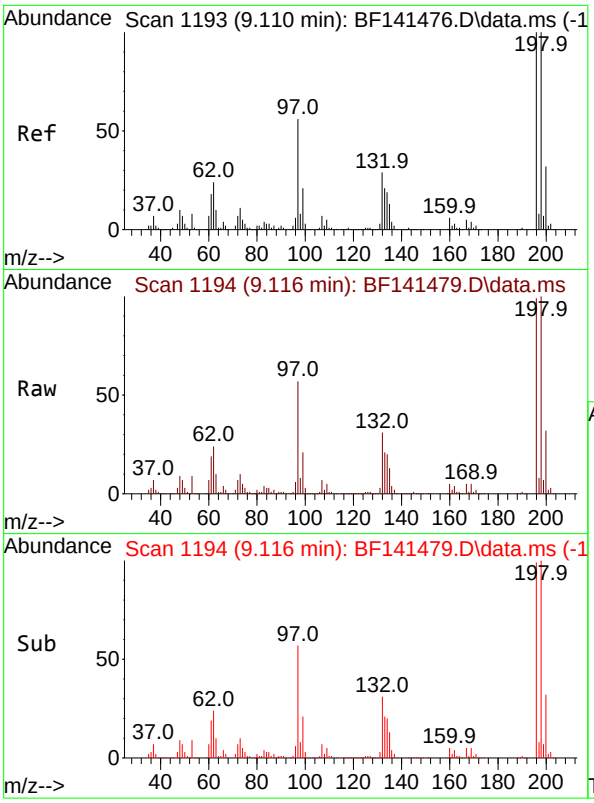


#43
2,4,6-Trichlorophenol
Concen: 79.591 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



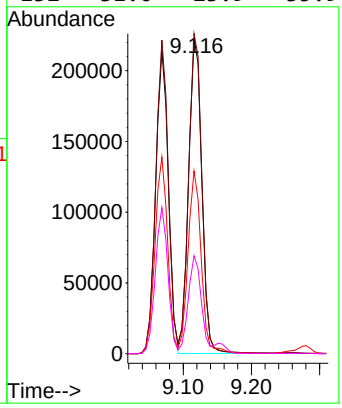


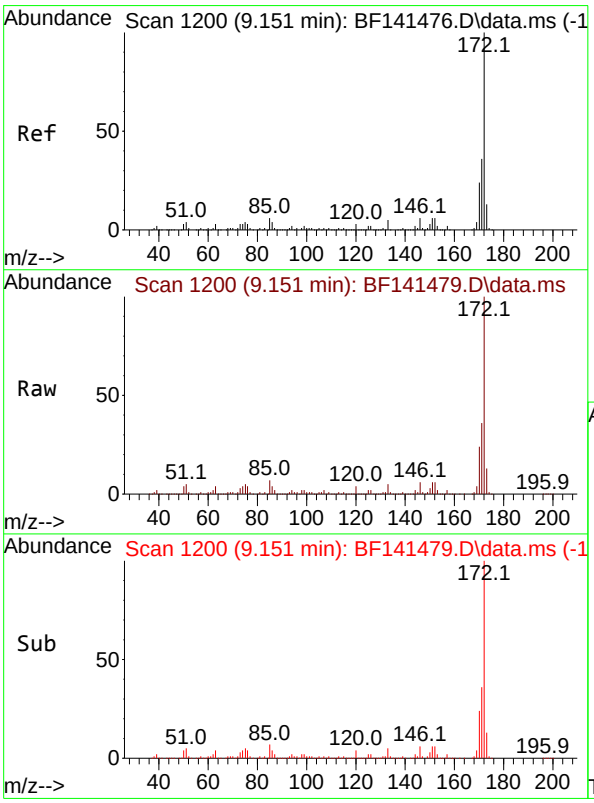
#44
2,4,5-Trichlorophenol
Concen: 79.189 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

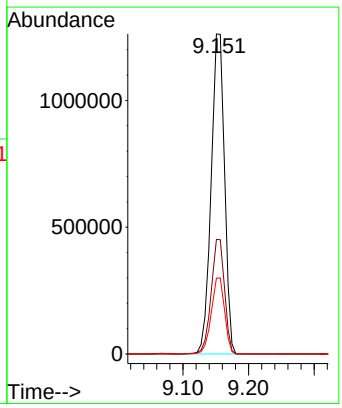


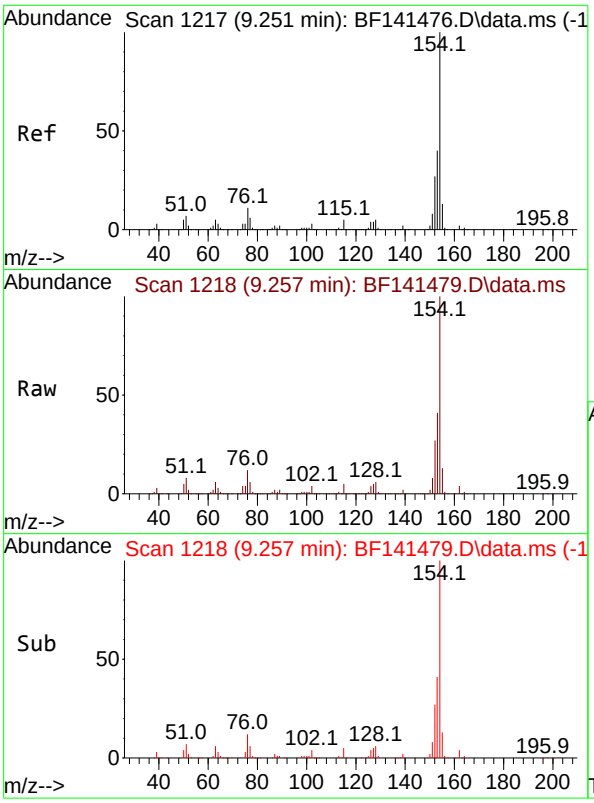


#45
2-Fluorobiphenyl
Concen: 148.066 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



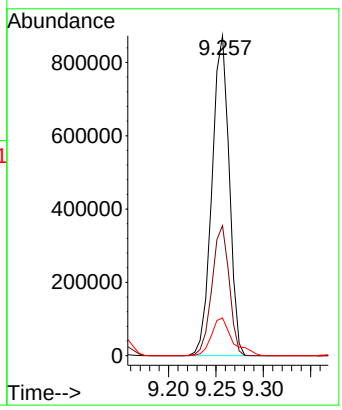


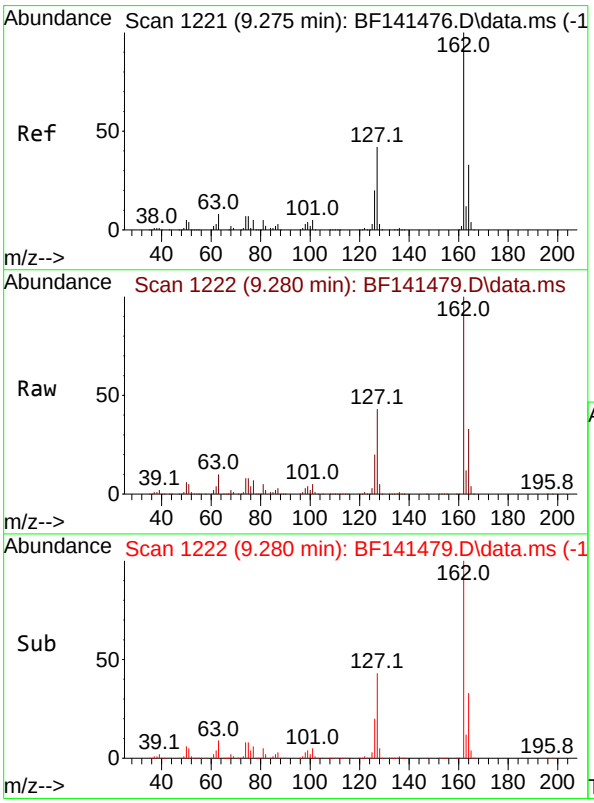
#46
1,1'-Biphenyl
Concen: 76.237 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

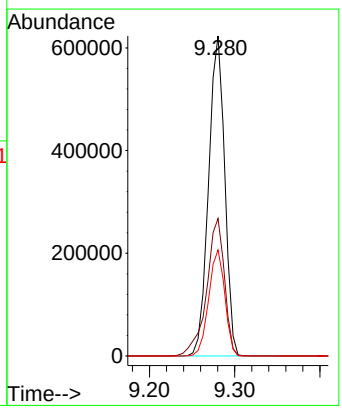


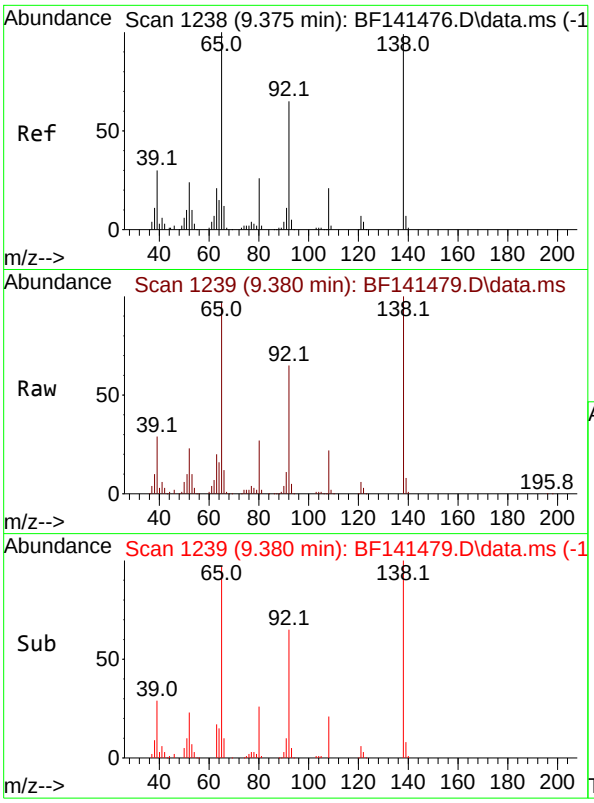


#47
2-Chloronaphthalene
Concen: 76.929 ng
RT: 9.280 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



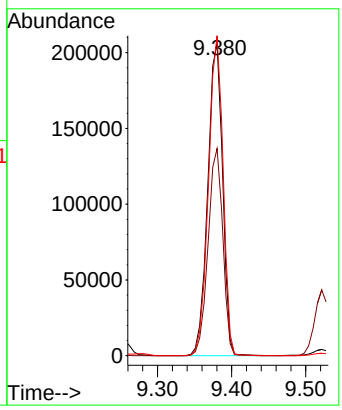


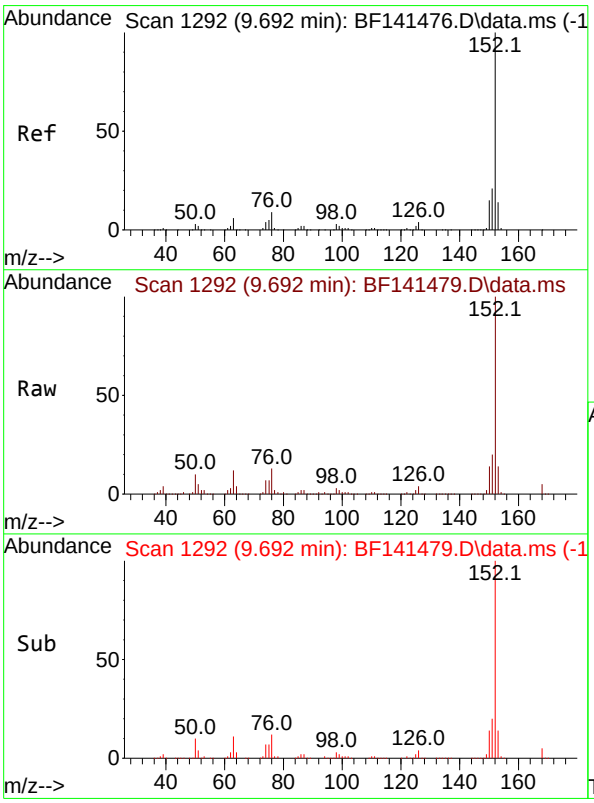
#48
2-Nitroaniline
Concen: 79.969 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

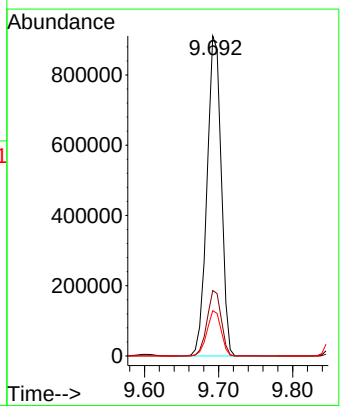


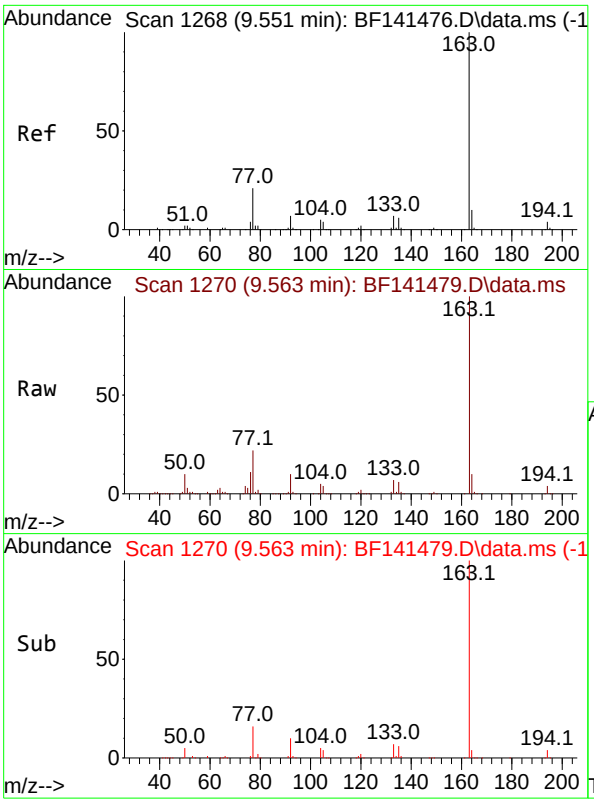


#49
Acenaphthylene
Concen: 76.291 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



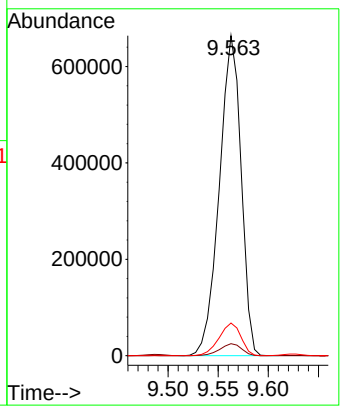


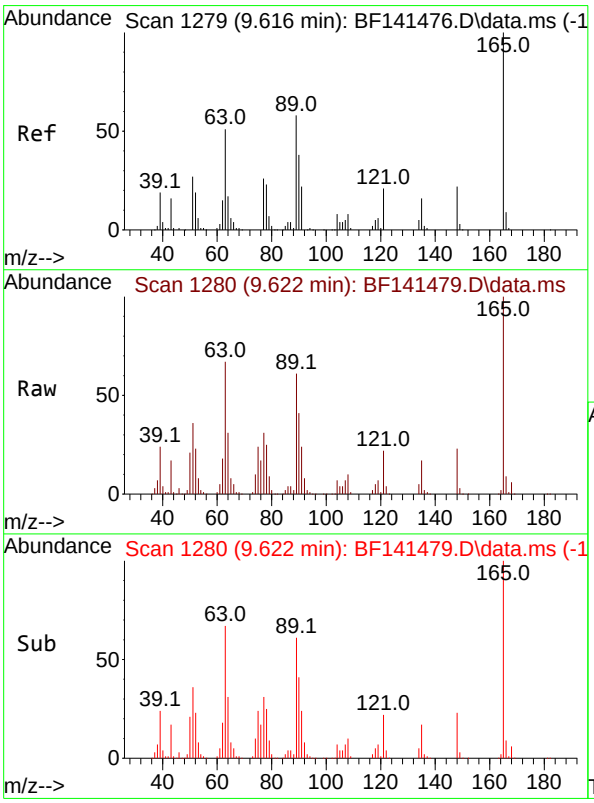
#50
Dimethylphthalate
Concen: 79.265 ng
RT: 9.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

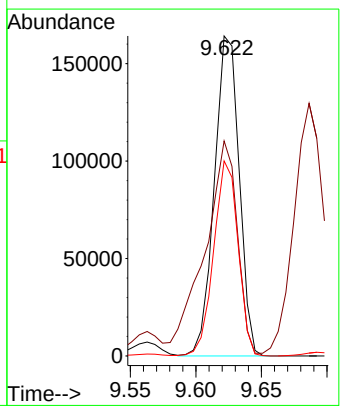


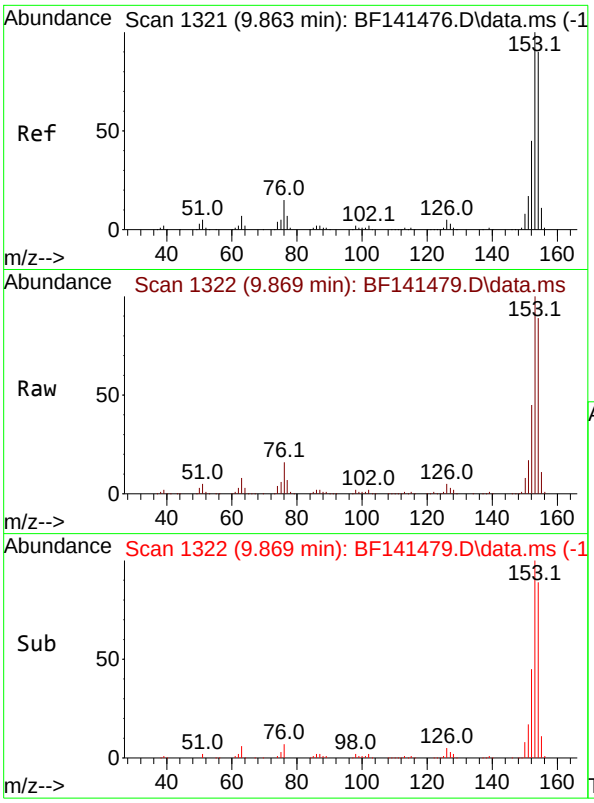


#51
2,6-Dinitrotoluene
Concen: 78.101 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



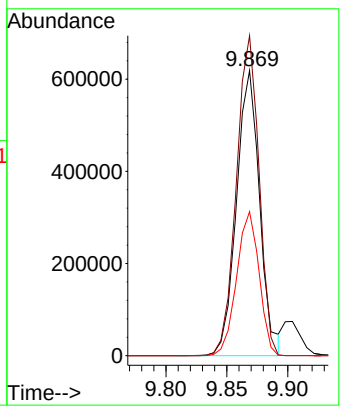


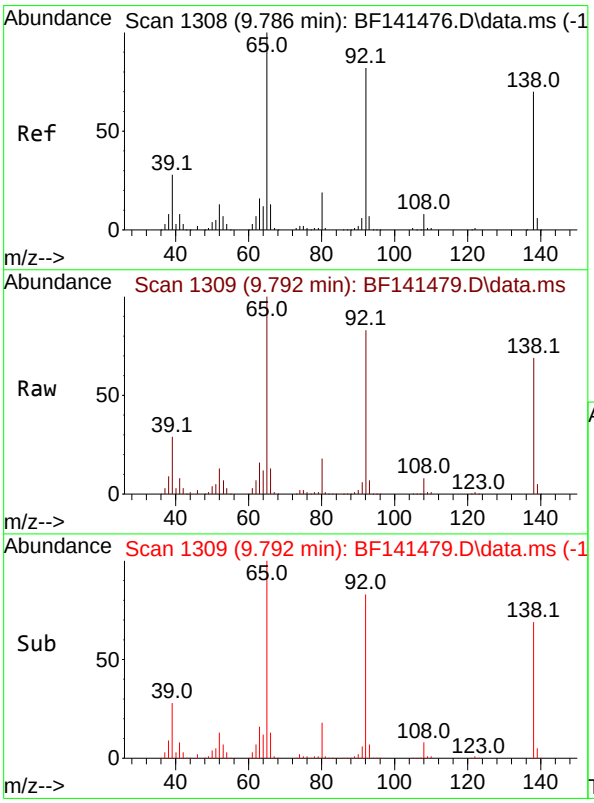
#52
Acenaphthene
Concen: 76.791 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

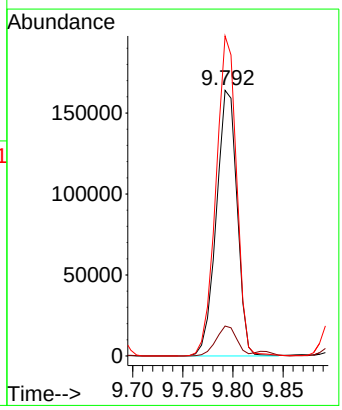


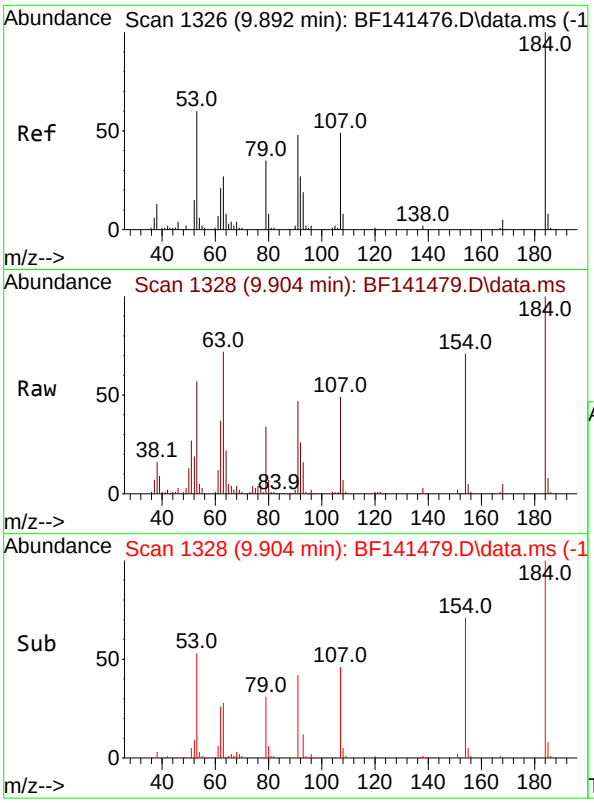


#53
3-Nitroaniline
Concen: 79.173 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



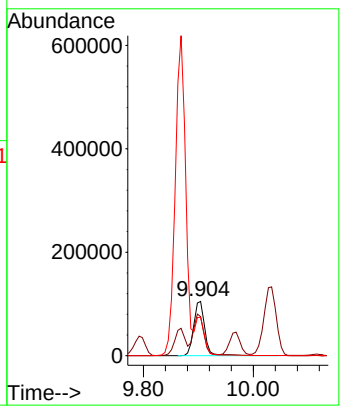


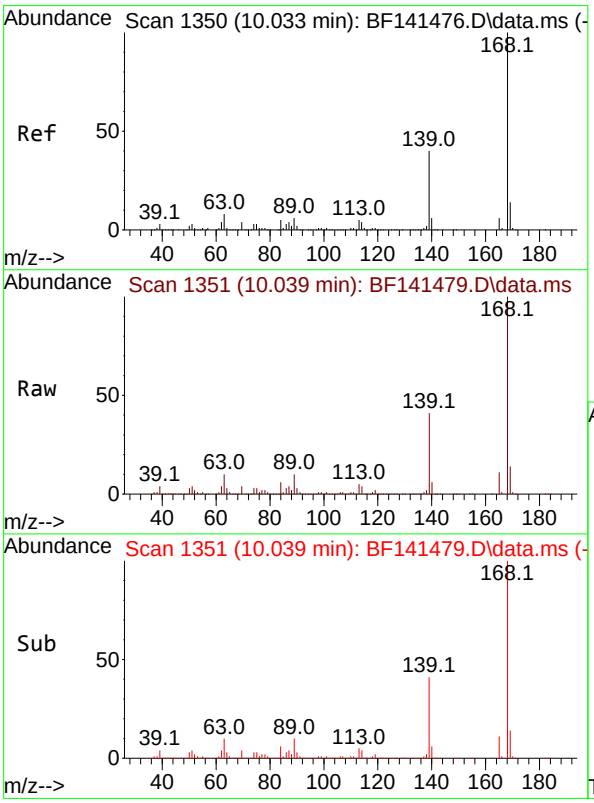
#54
2,4-Dinitrophenol
Concen: 89.960 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

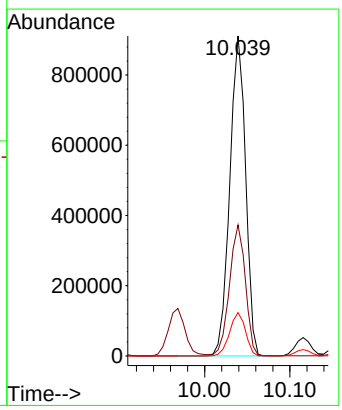


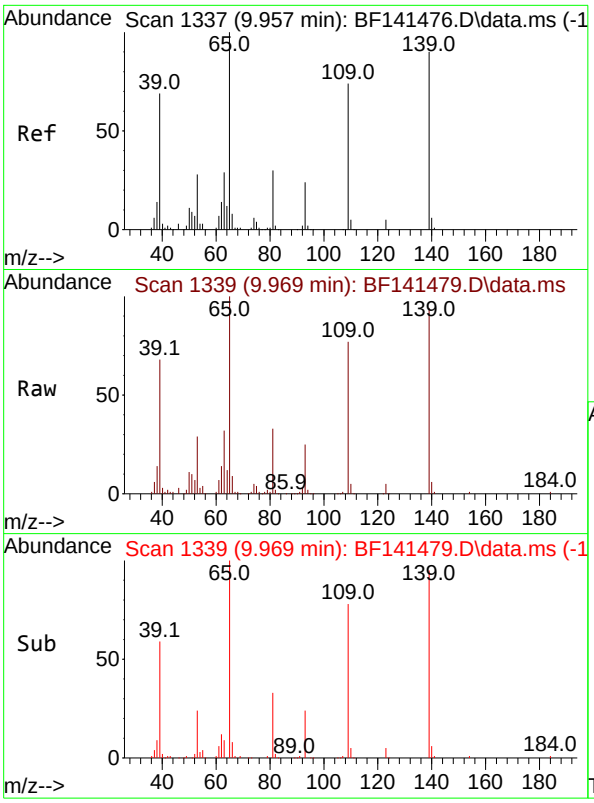


#55
Dibenzofuran
Concen: 74.928 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



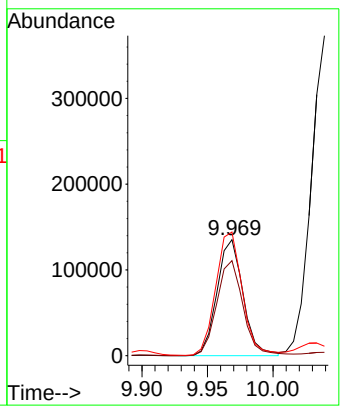


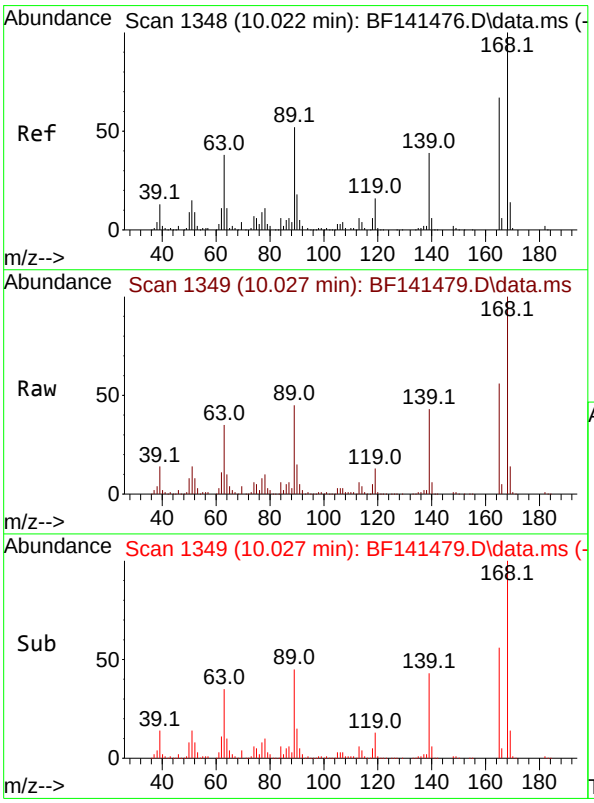
#56
4-Nitrophenol
Concen: 84.744 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

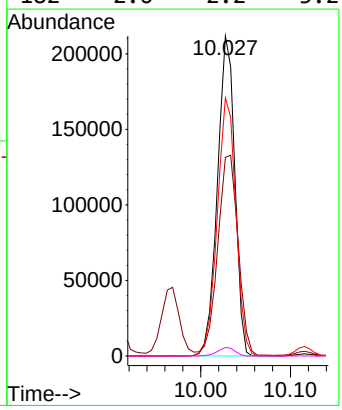


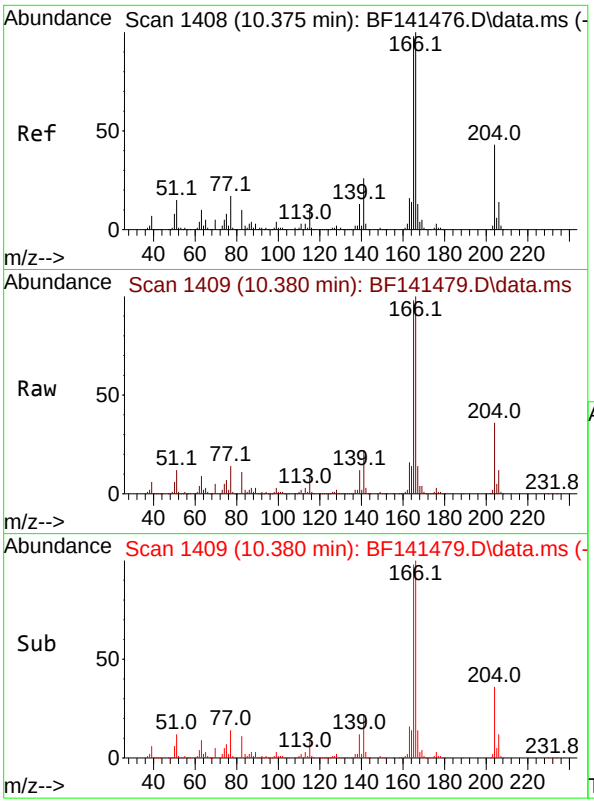


#57
2,4-Dinitrotoluene
Concen: 77.449 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



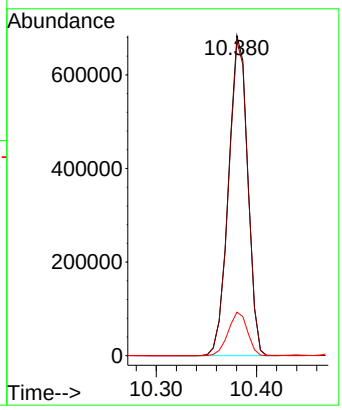


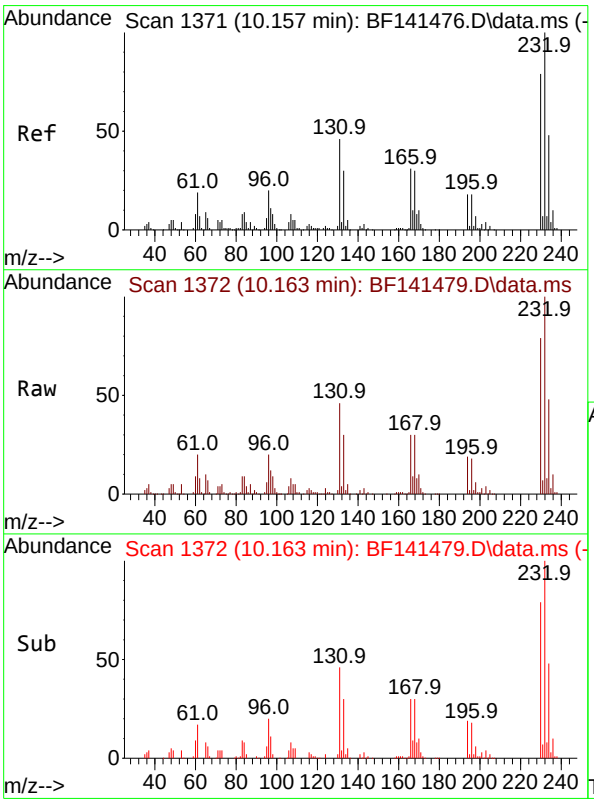
#58
Fluorene
Concen: 75.080 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

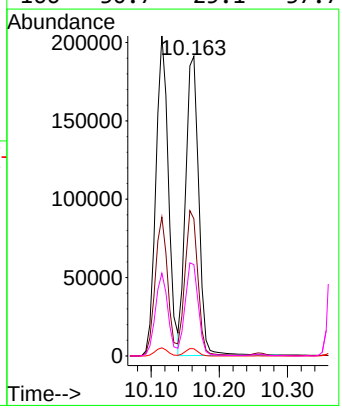


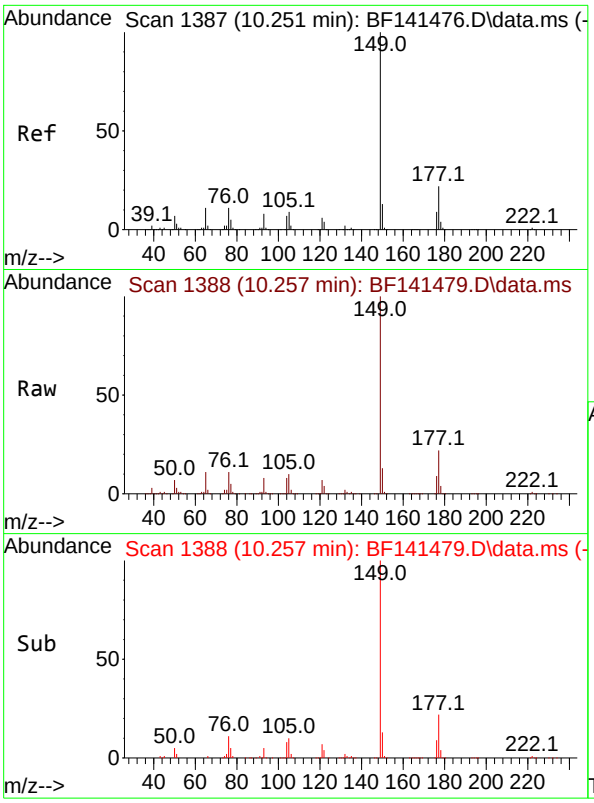


#59
2,3,4,6-Tetrachlorophenol
Concen: 78.006 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



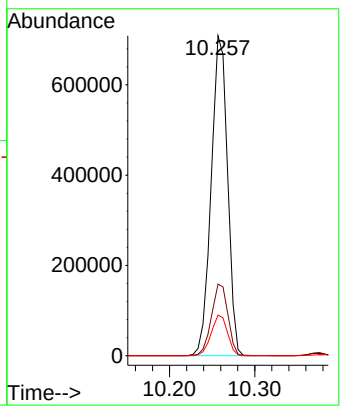


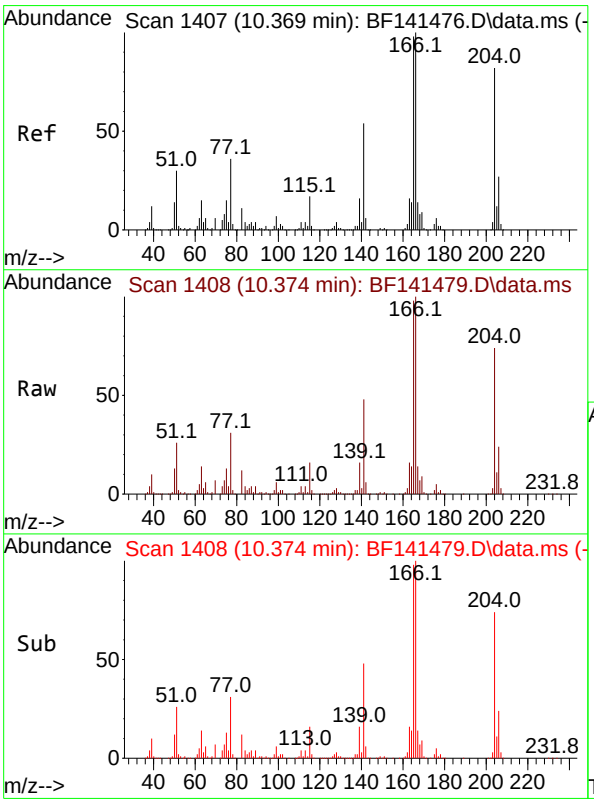
#60
Diethylphthalate
Concen: 75.995 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

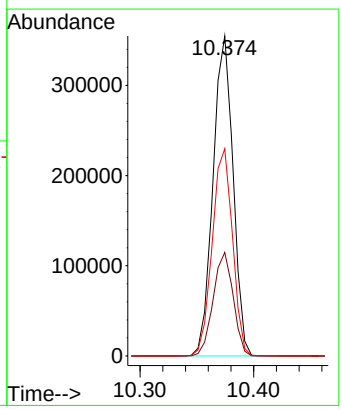


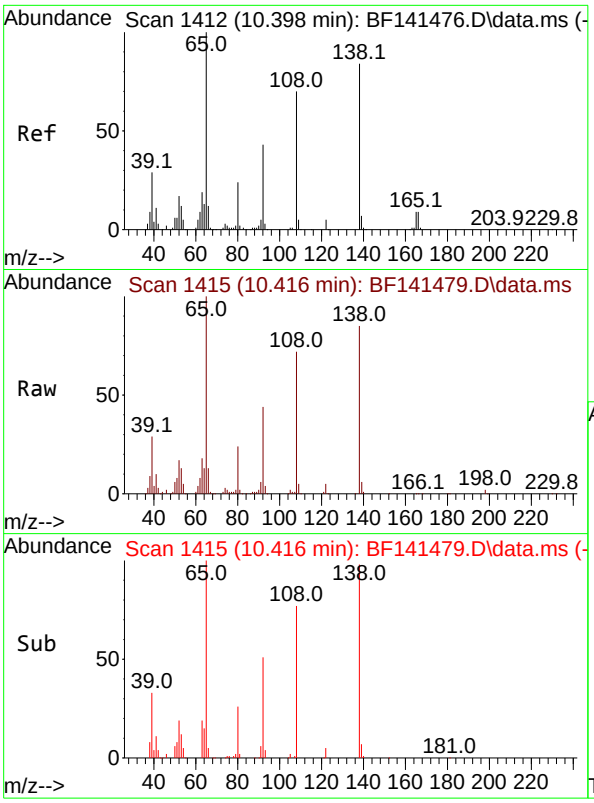


#61
4-Chlorophenyl-phenylether
Concen: 74.716 ng
RT: 10.374 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



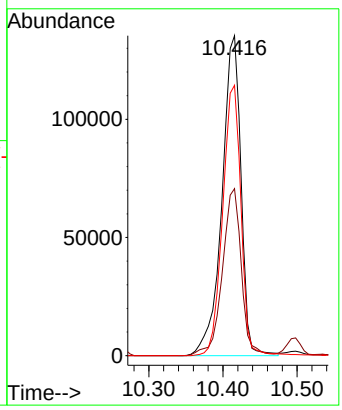


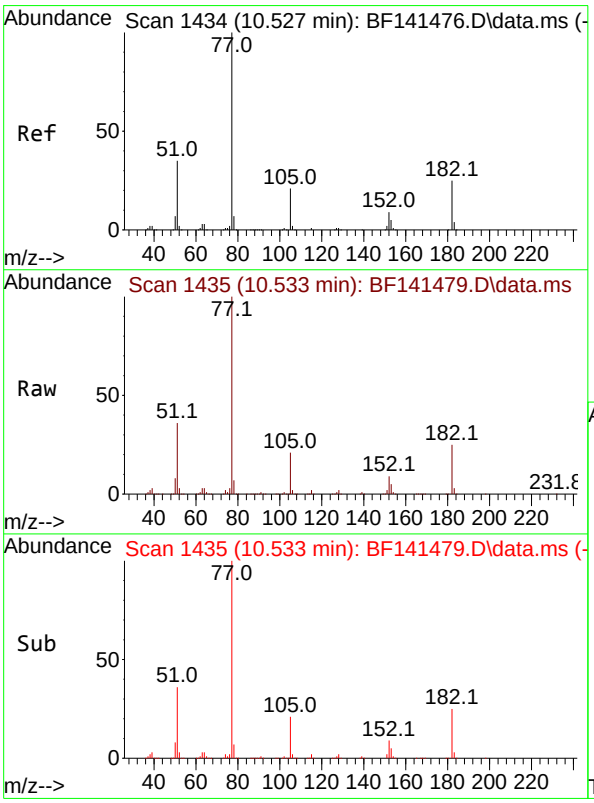
#62
4-Nitroaniline
Concen: 79.873 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

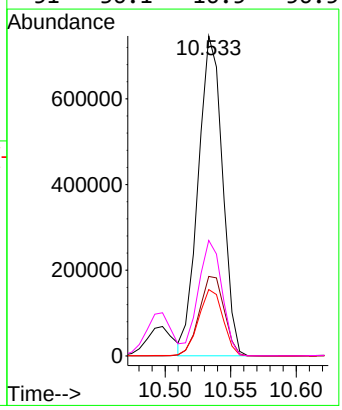


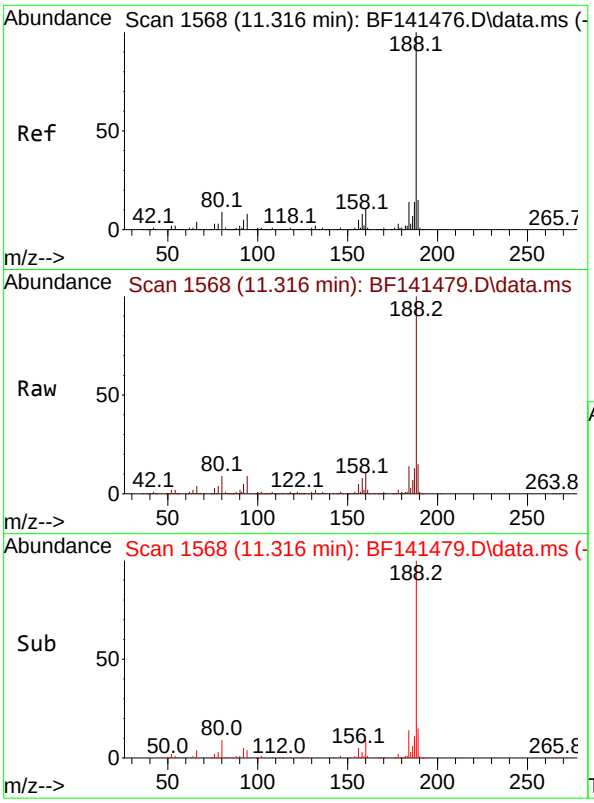


#63
Azobenzene
Concen: 77.931 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



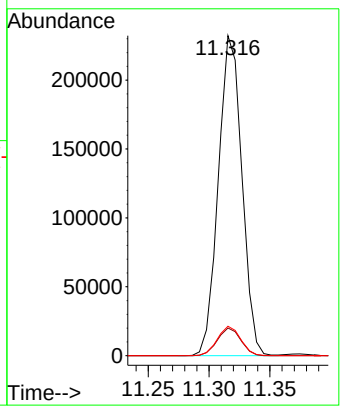


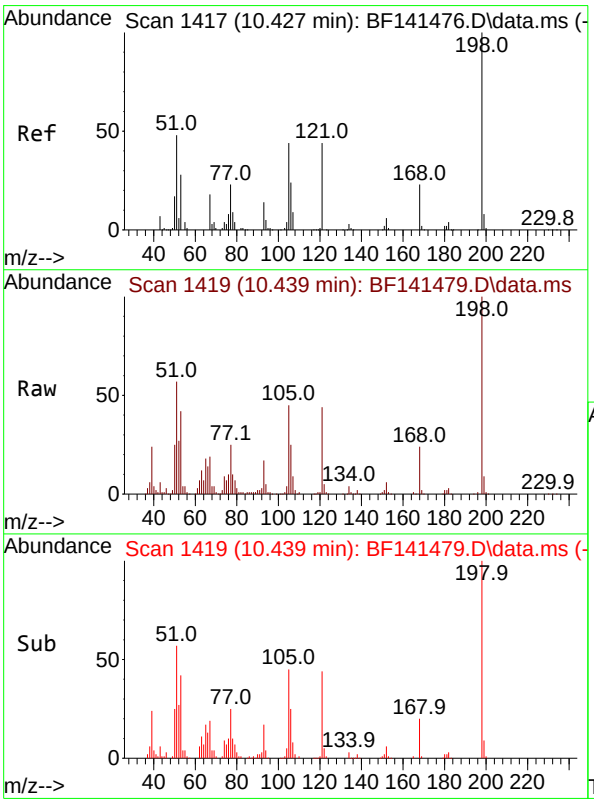
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

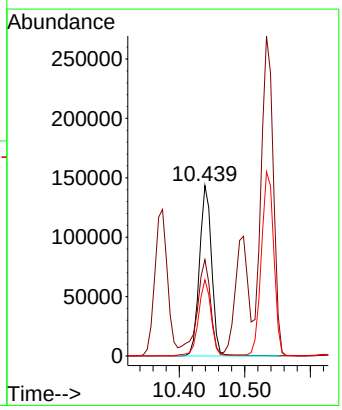


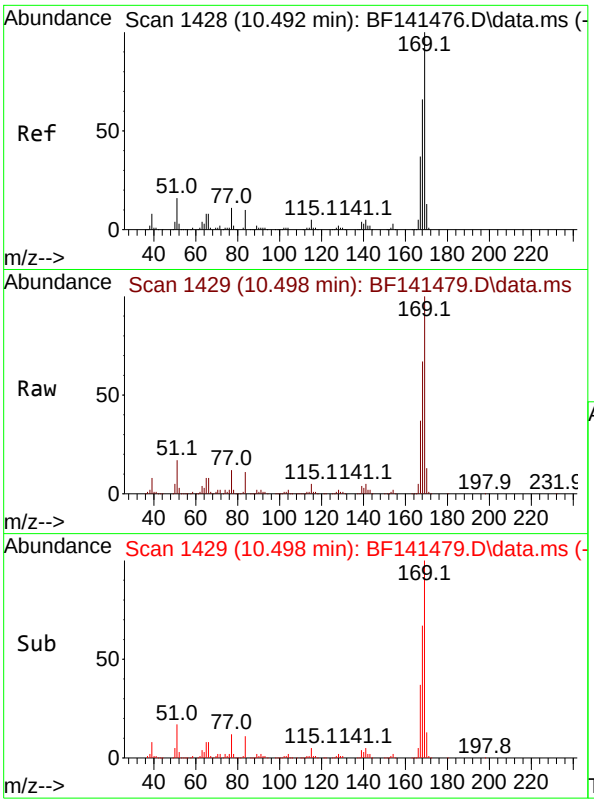


#65
4,6-Dinitro-2-methylphenol
Concen: 85.309 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



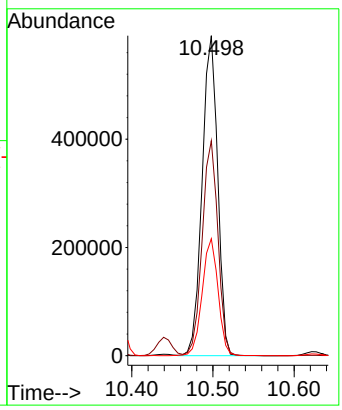


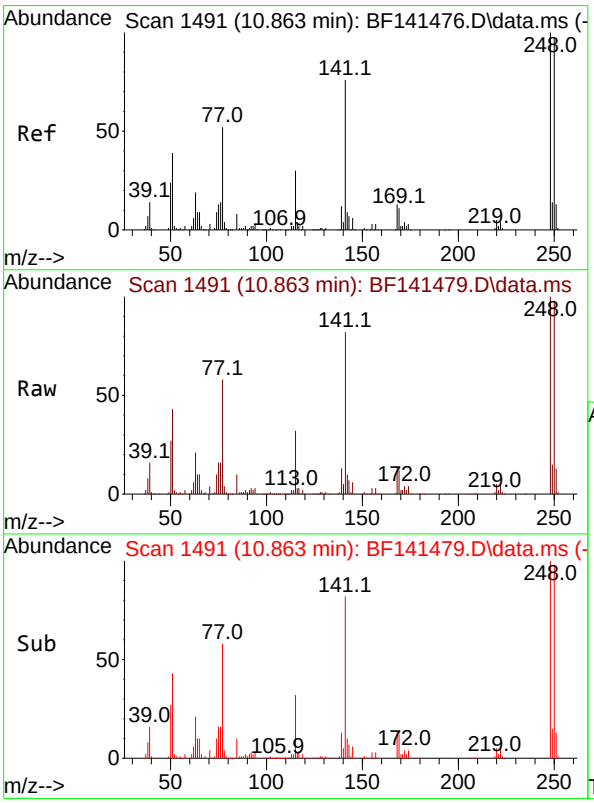
#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

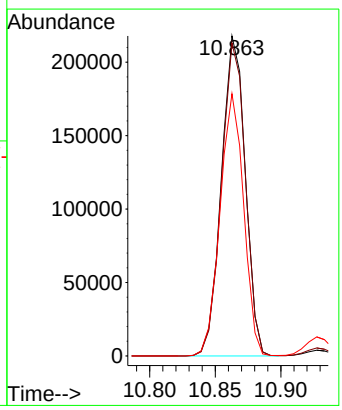


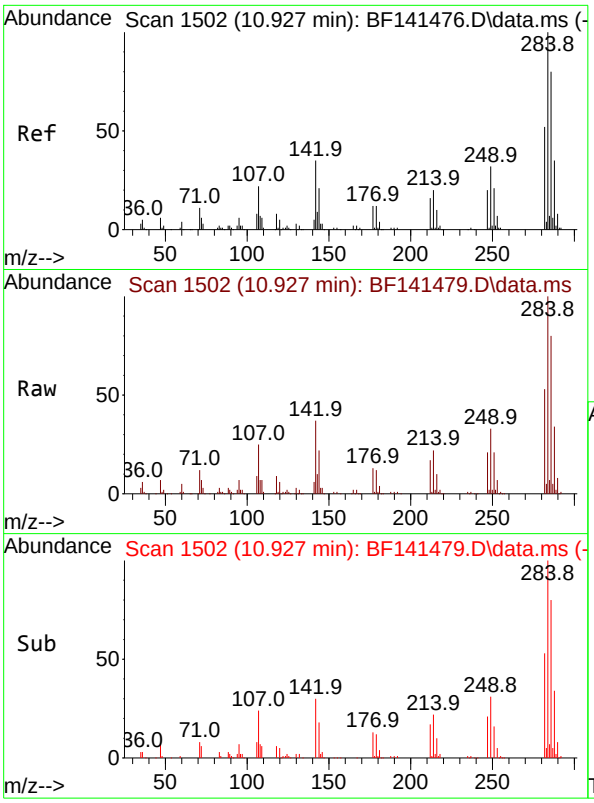


#67
4-Bromophenyl-phenylether
Concen: 78.988 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



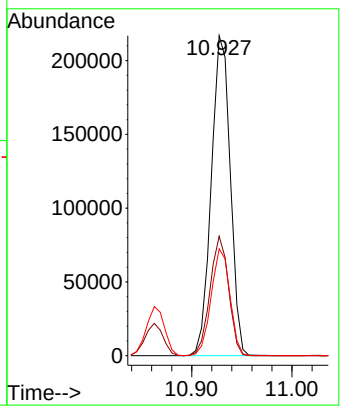


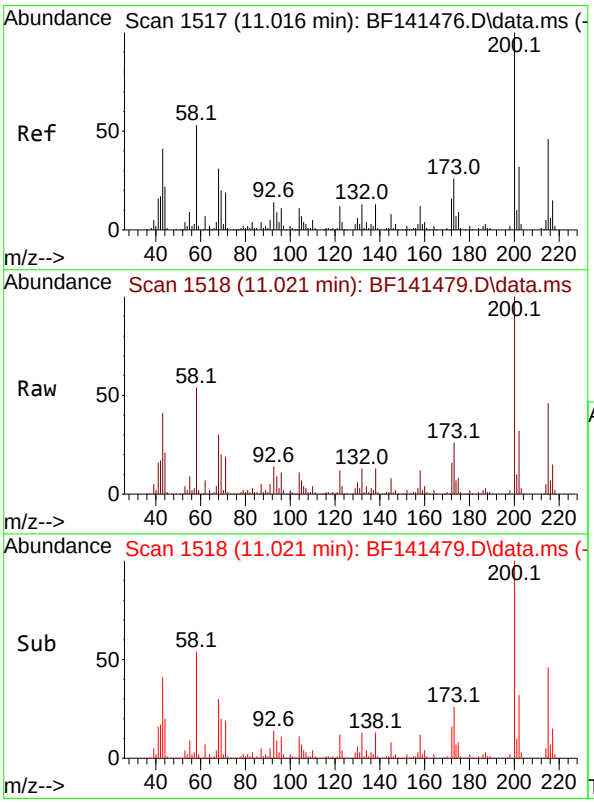
#68
Hexachlorobenzene
Concen: 79.174 ng
RT: 10.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

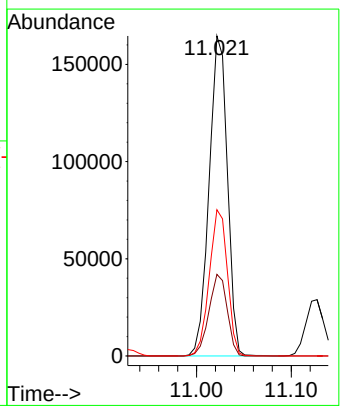


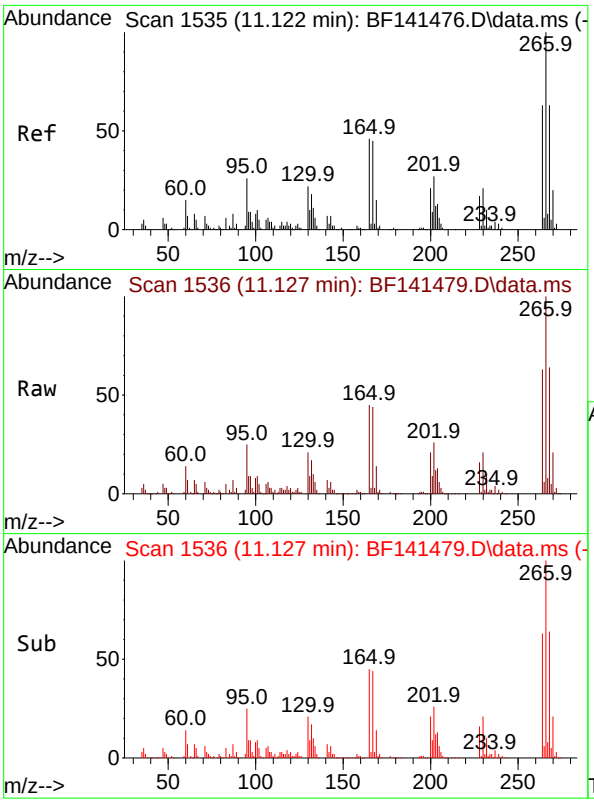


#69
Atrazine
Concen: 73.188 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



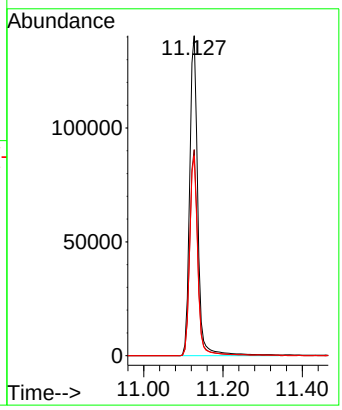


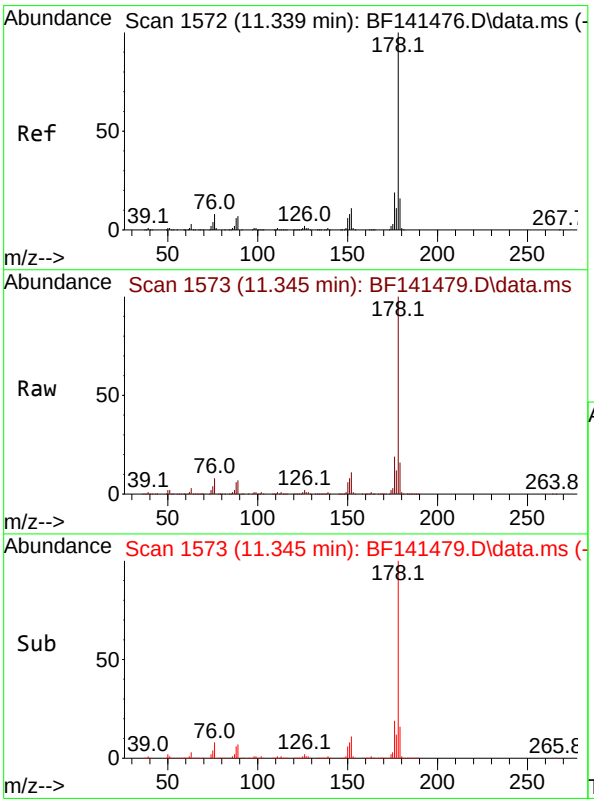
#70
Pentachlorophenol
Concen: 87.100 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

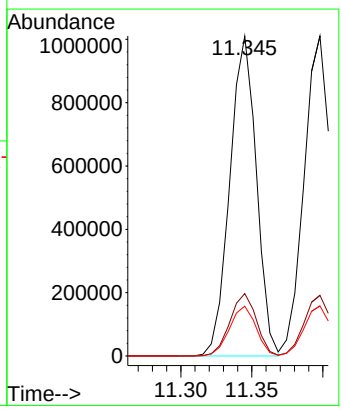


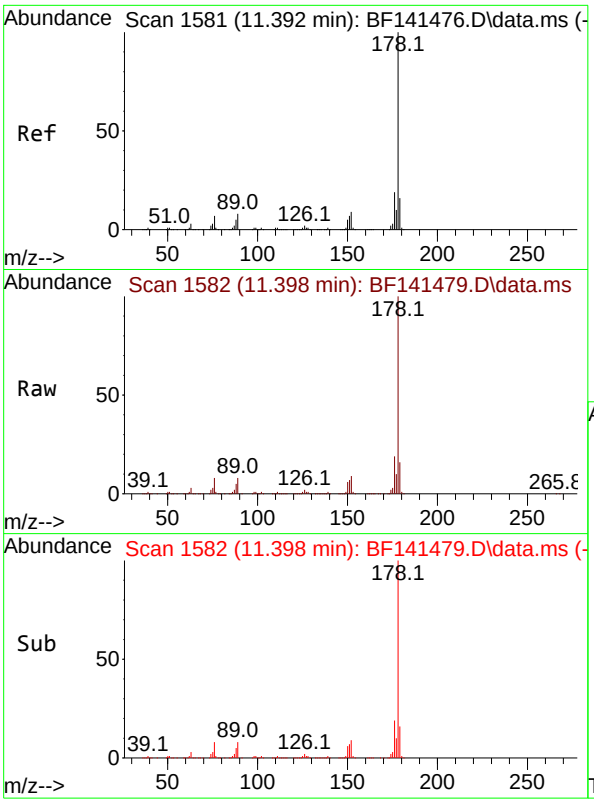


#71
Phenanthrene
Concen: 76.201 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



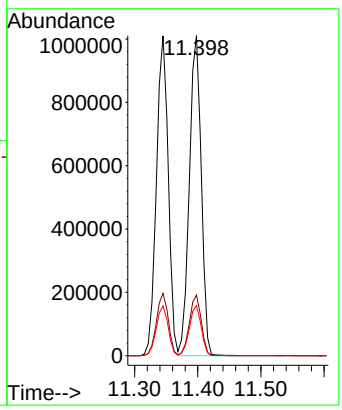


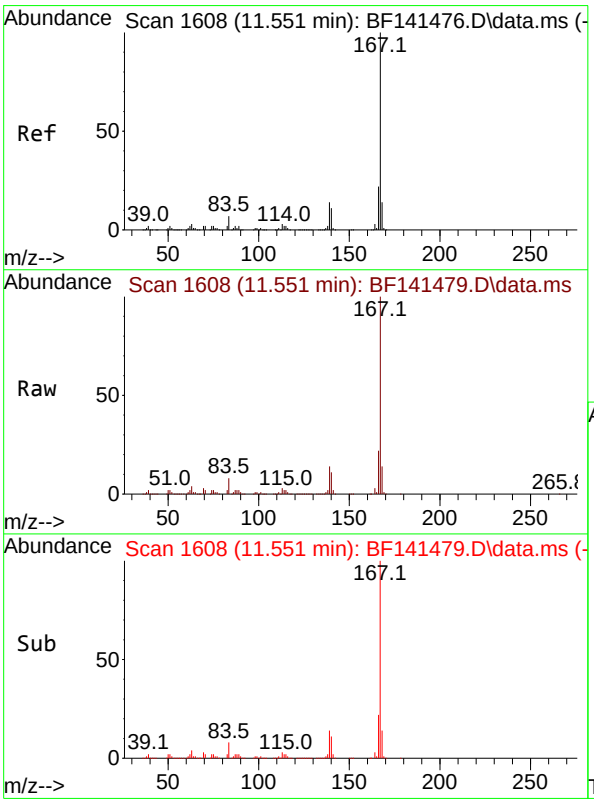
#72
Anthracene
Concen: 76.380 ng
RT: 11.398 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

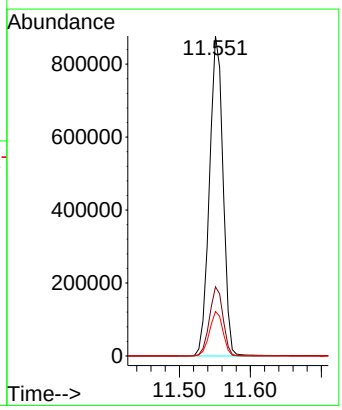


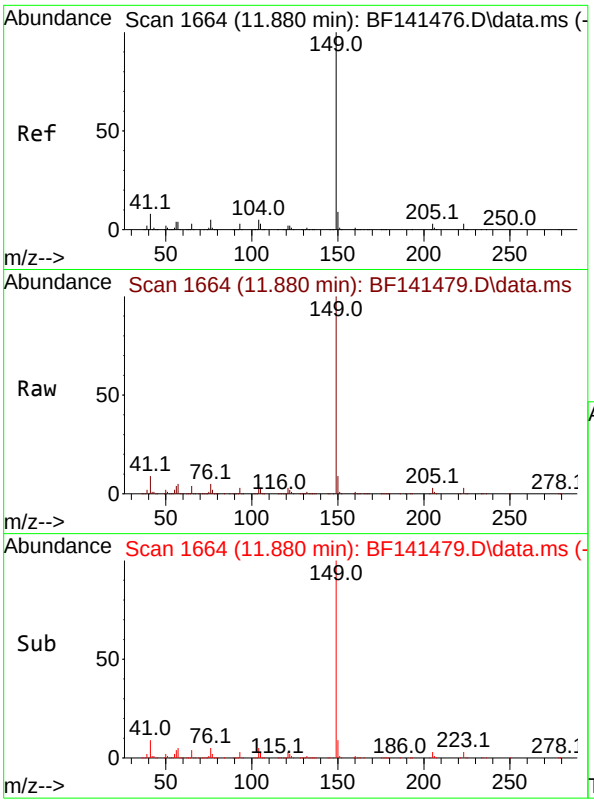


#73
Carbazole
Concen: 74.989 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



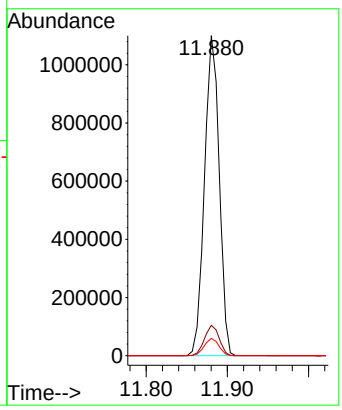


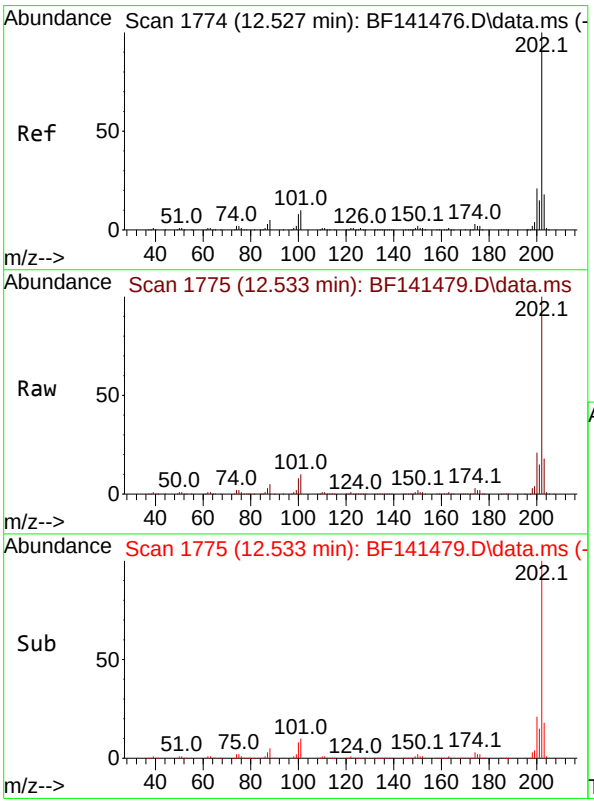
#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

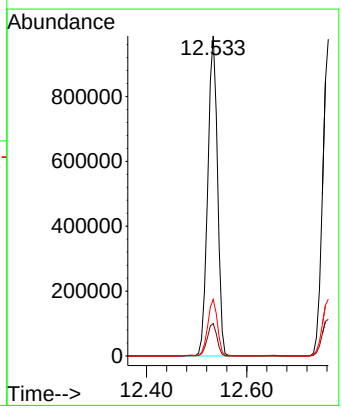


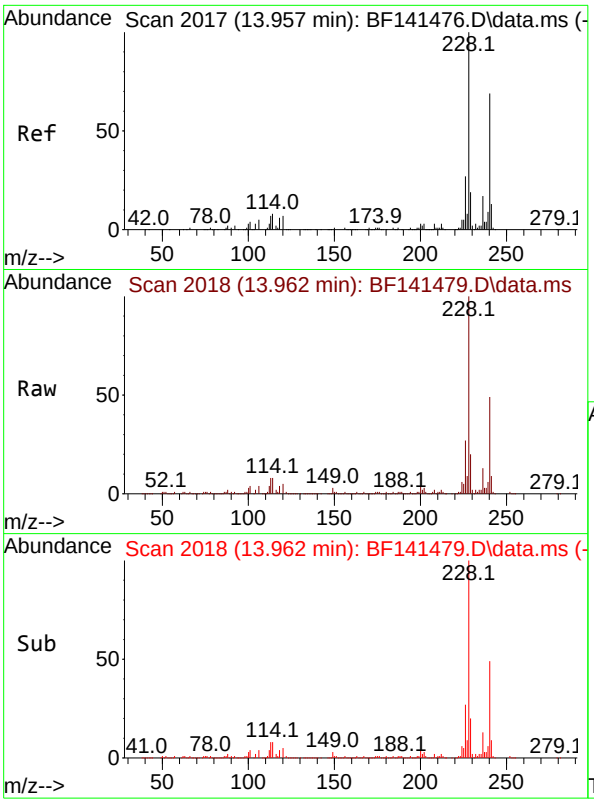


#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



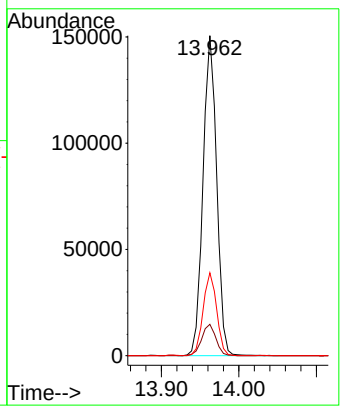


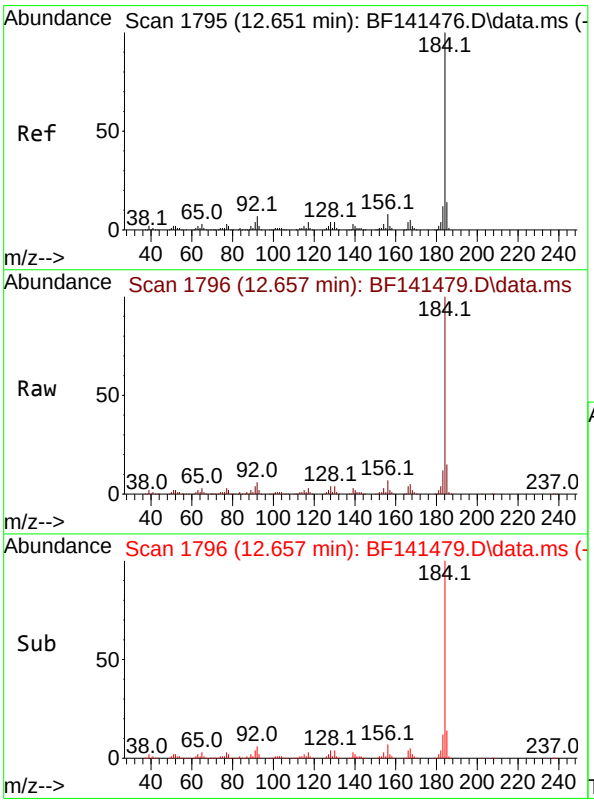
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

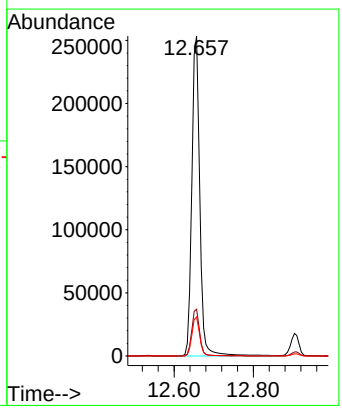


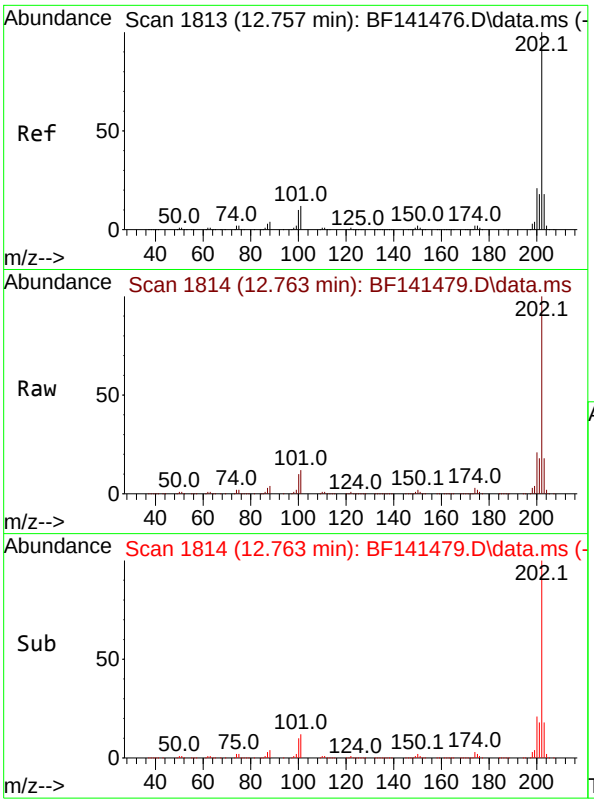


#77
Benzidine
Concen: 87.207 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



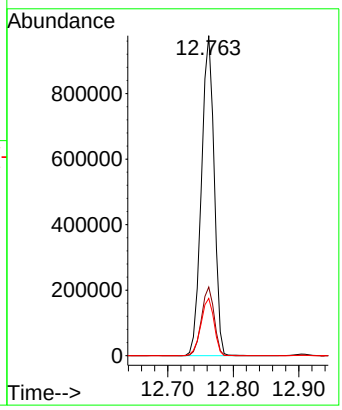


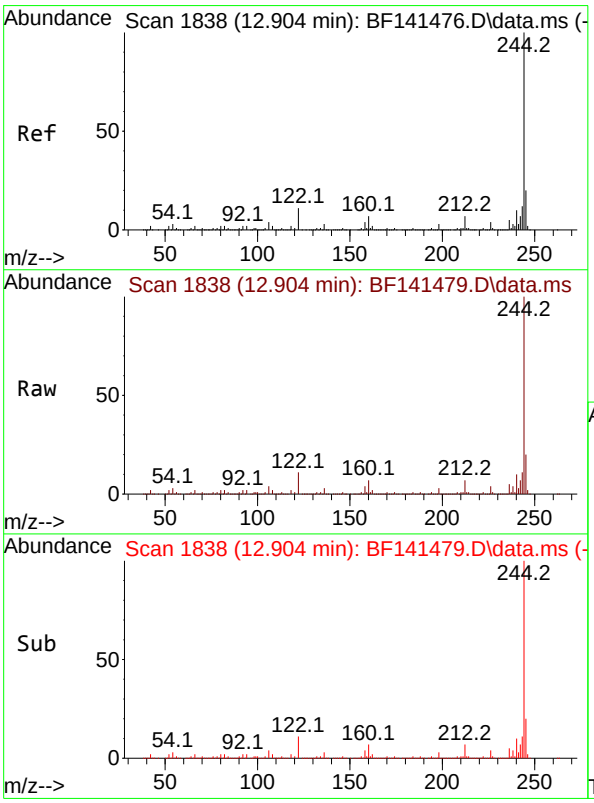
#78
Pyrene
Concen: 84.086 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

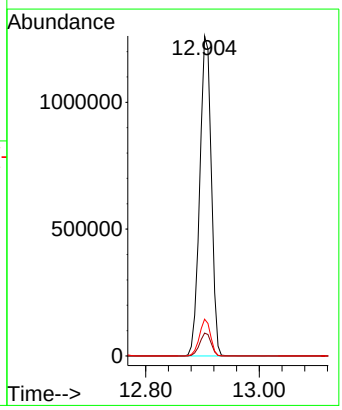


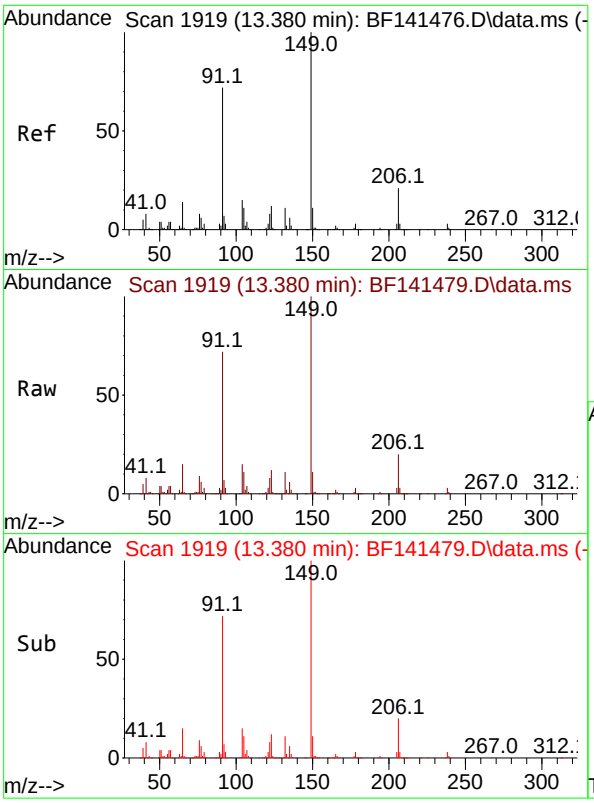


#79
Terphenyl-d14
Concen: 163.152 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



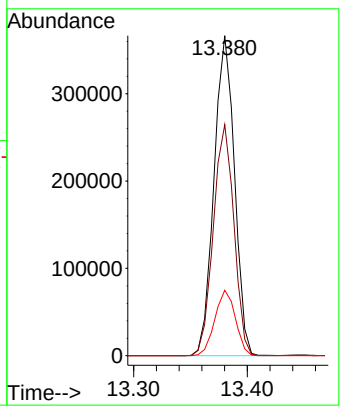


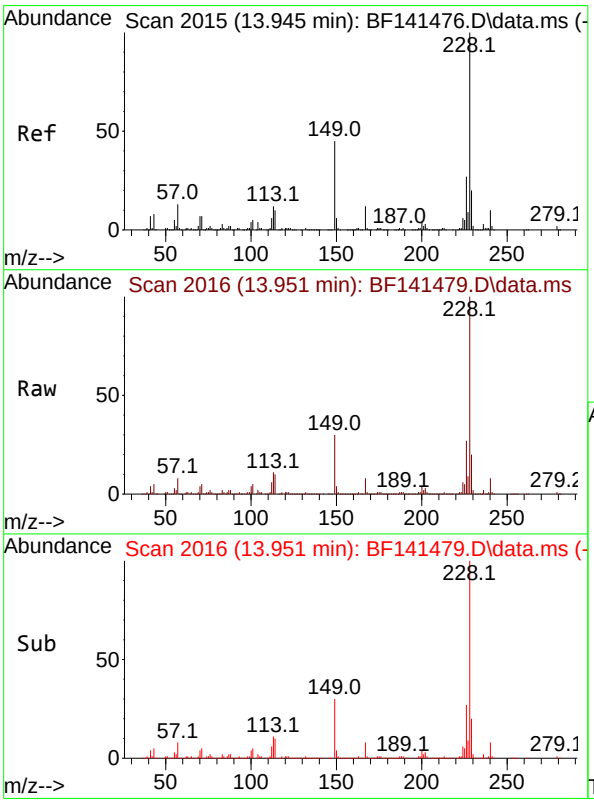
#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

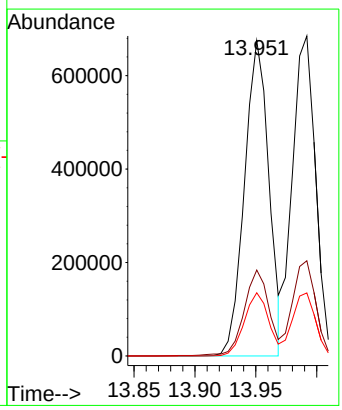


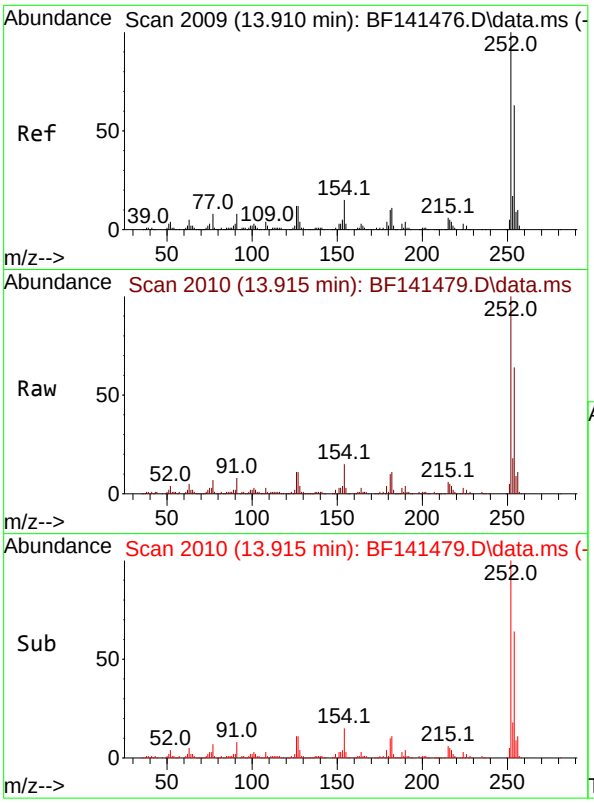


#81
Benzo(a)anthracene
Concen: 76.977 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



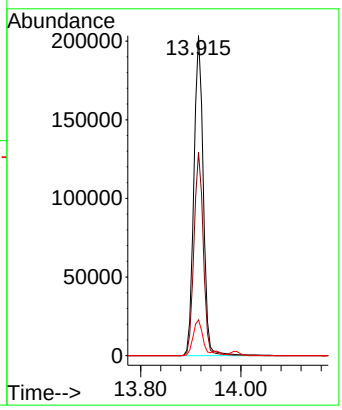


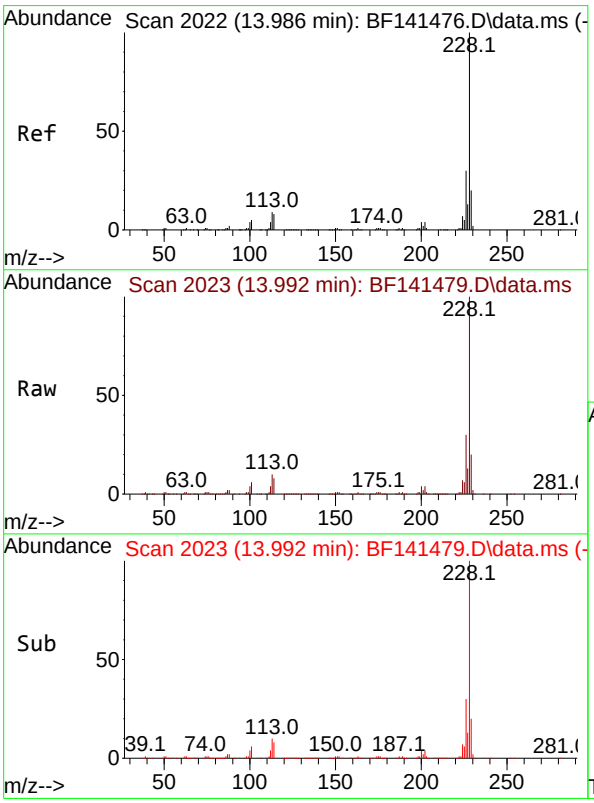
#82
3,3'-Dichlorobenzidine
Concen: 75.143 ng
RT: 13.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

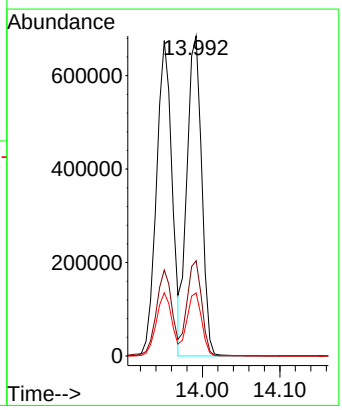


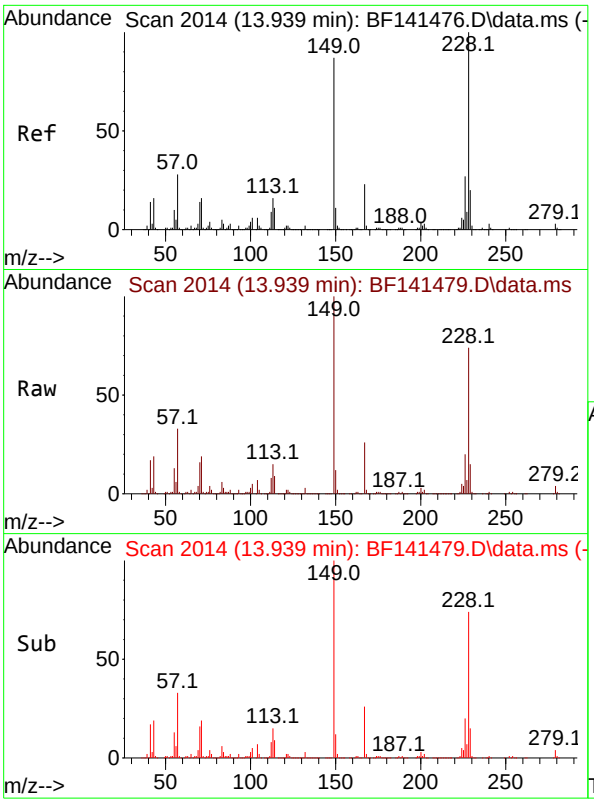


#83
Chrysene
Concen: 80.108 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



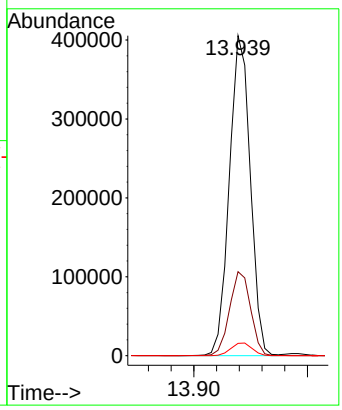


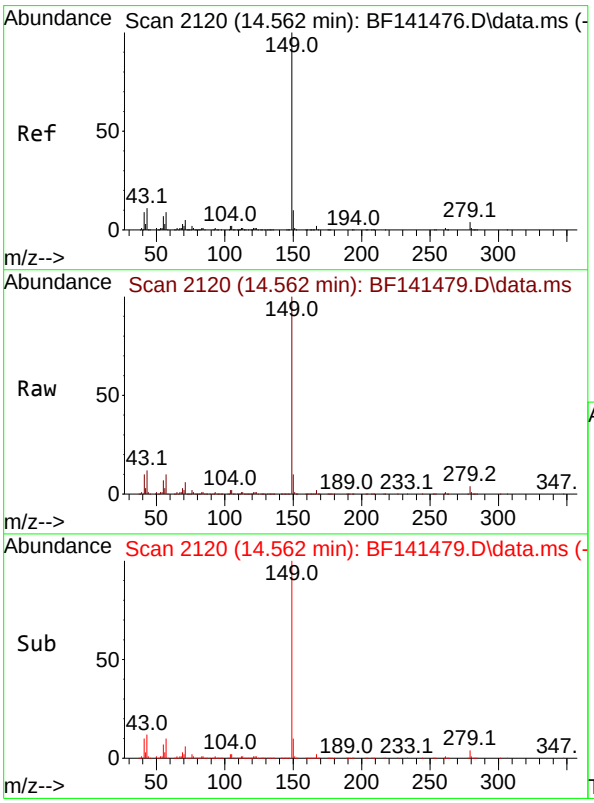
#84
Bis(2-ethylhexyl)phthalate
Concen: 84.477 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

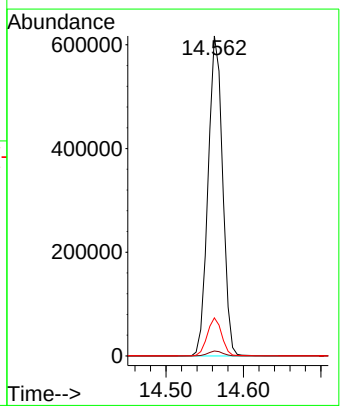


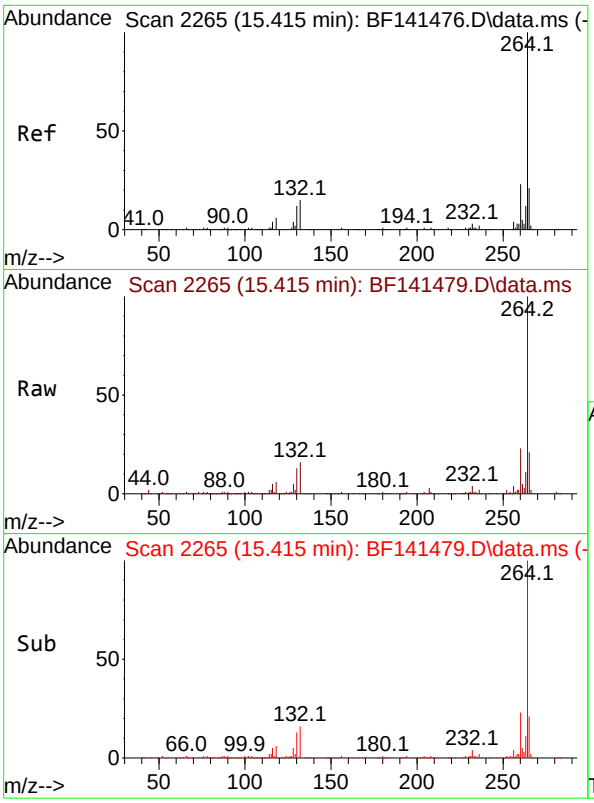


#85
Di-n-octyl phthalate
Concen: 91.886 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



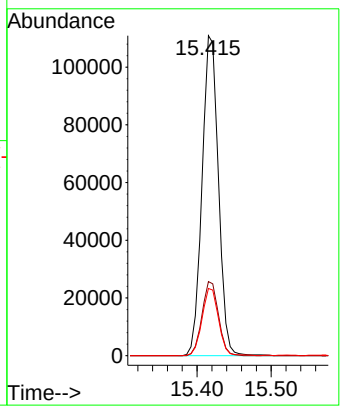


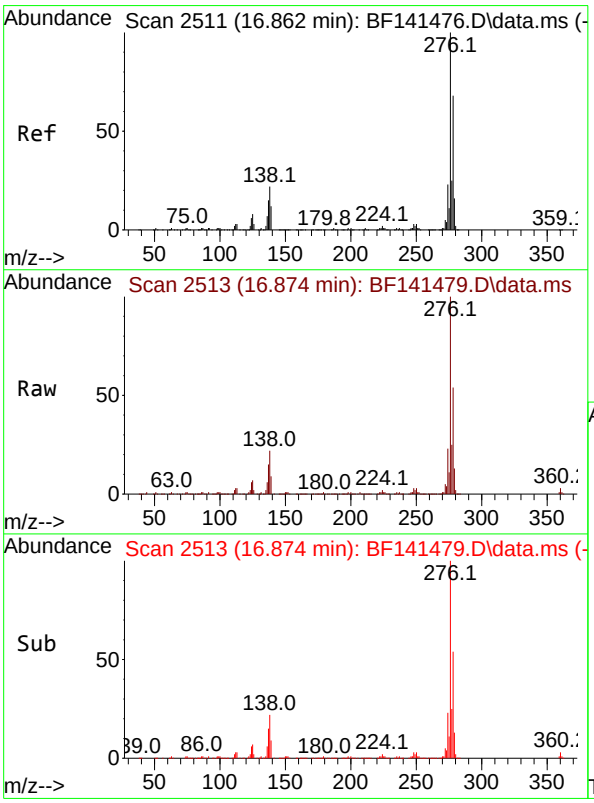
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

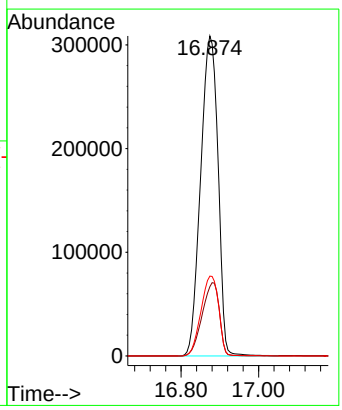


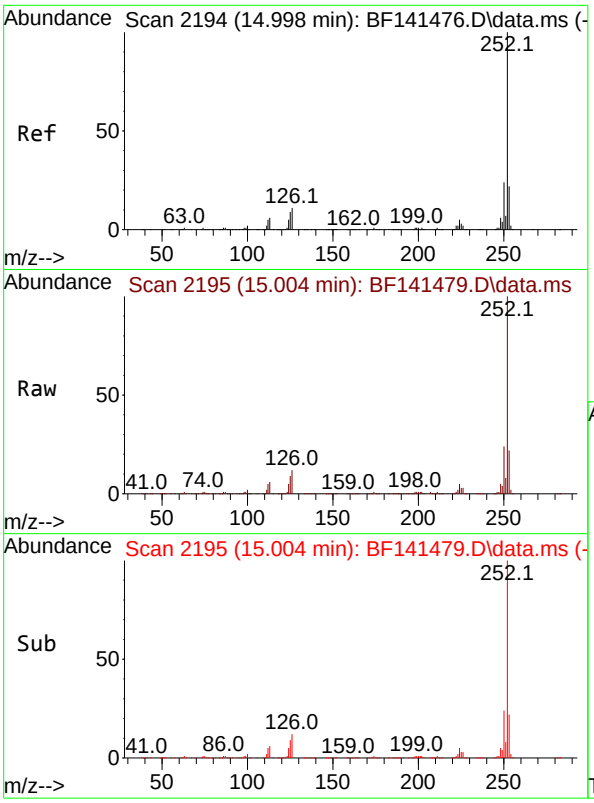


#87
Indeno(1,2,3-cd)pyrene
Concen: 91.166 ng
RT: 16.874 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



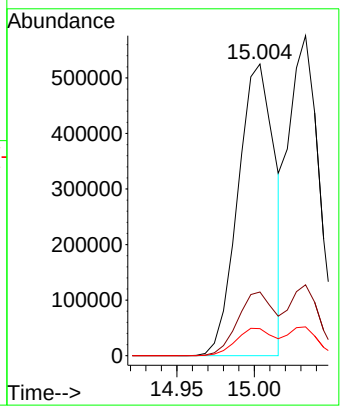


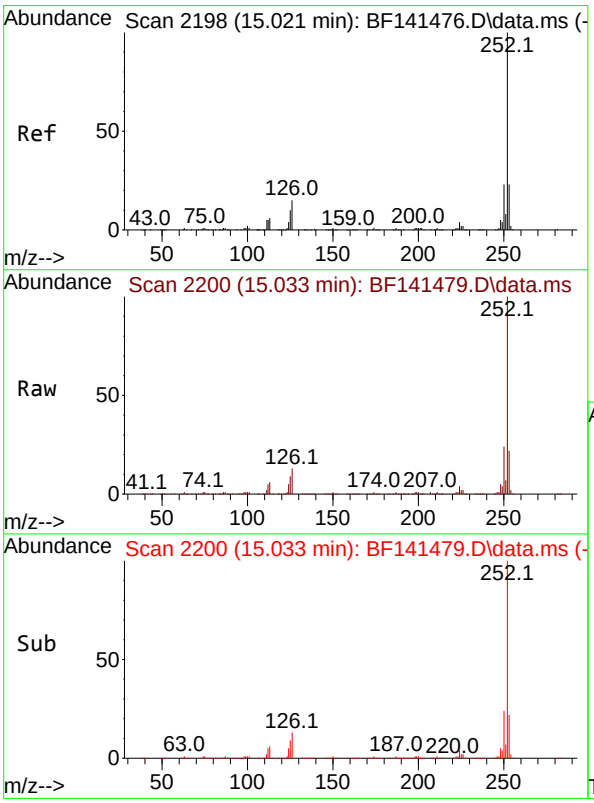
#88
Benzo(b)fluoranthene
Concen: 75.529 ng
RT: 15.004 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

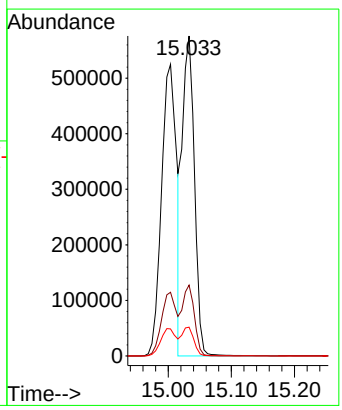


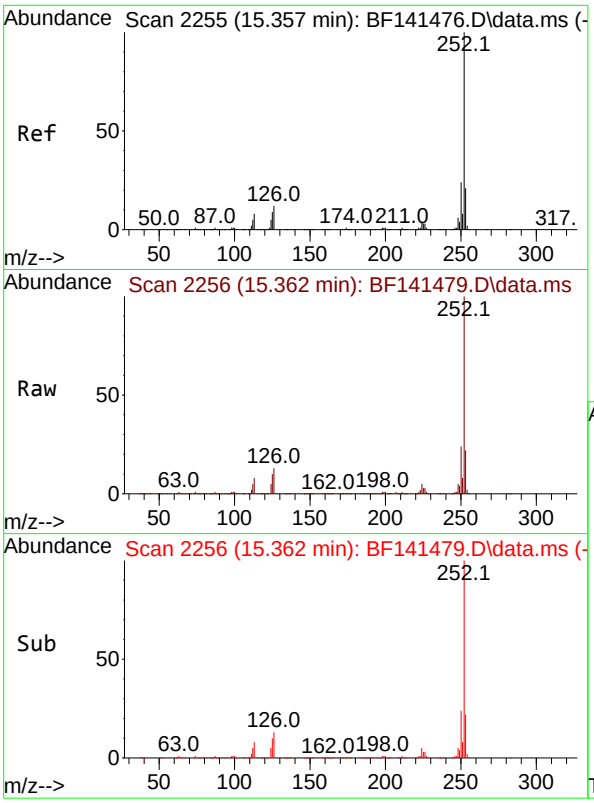


#89
Benzo(k)fluoranthene
Concen: 79.364 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



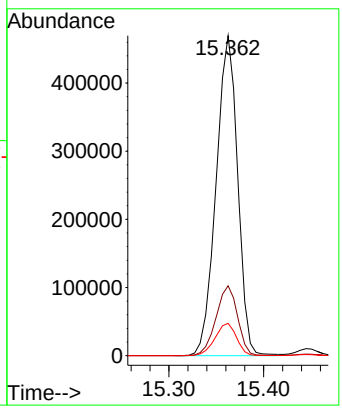


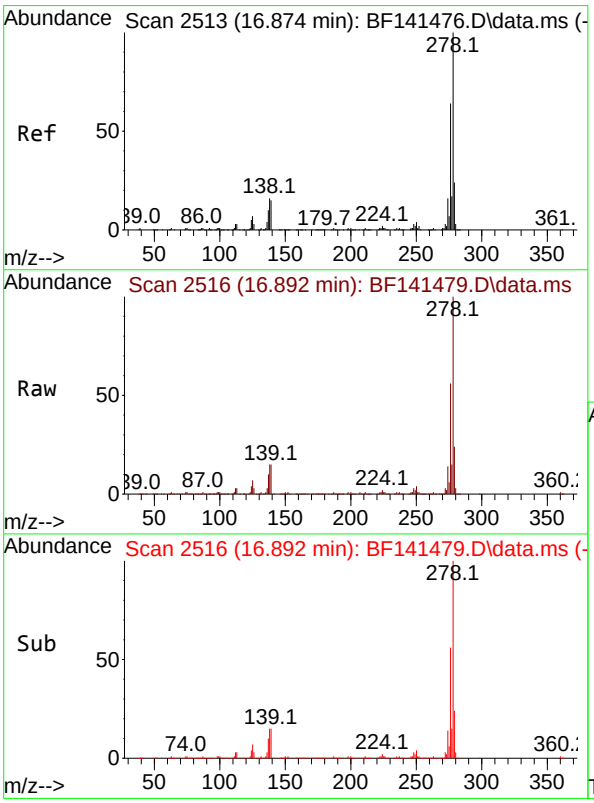
#90
Benzo(a)pyrene
Concen: 80.150 ng
RT: 15.362 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

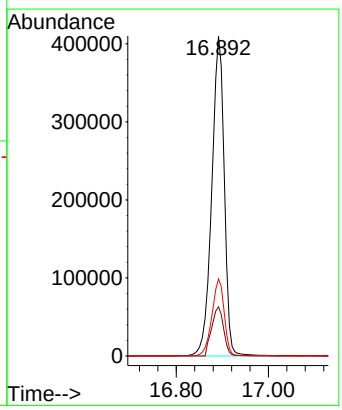


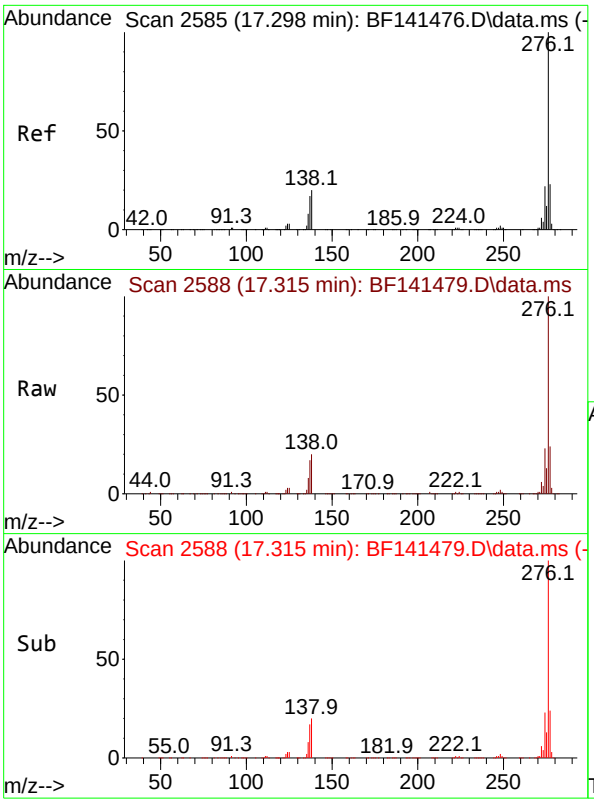


#91
Dibenzo(a,h)anthracene
Concen: 90.578 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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



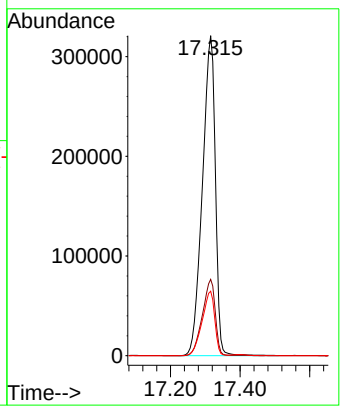


#92
Benzo(g,h,i)perylene
Concen: 93.015 ng
RT: 17.315 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

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

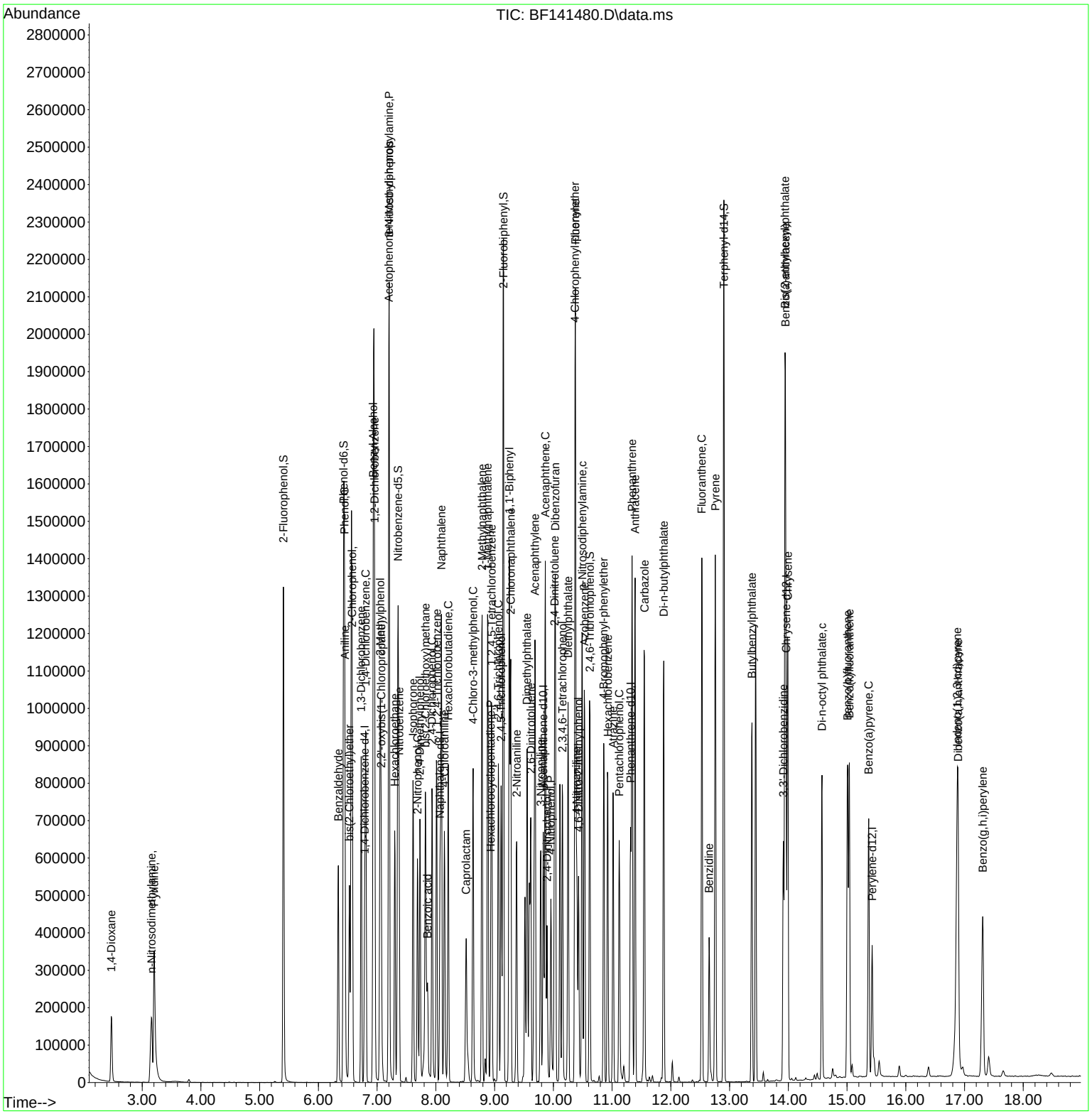
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	160926	40.108	ng	99
46) 1,1'-Biphenyl	9.251	154	606611	39.519	ng	100
47) 2-Chloronaphthalene	9.275	162	447817	39.453	ng	100
48) 2-Nitroaniline	9.375	65	154092	40.451	ng	98
49) Acenaphthylene	9.687	152	670833	39.734	ng	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

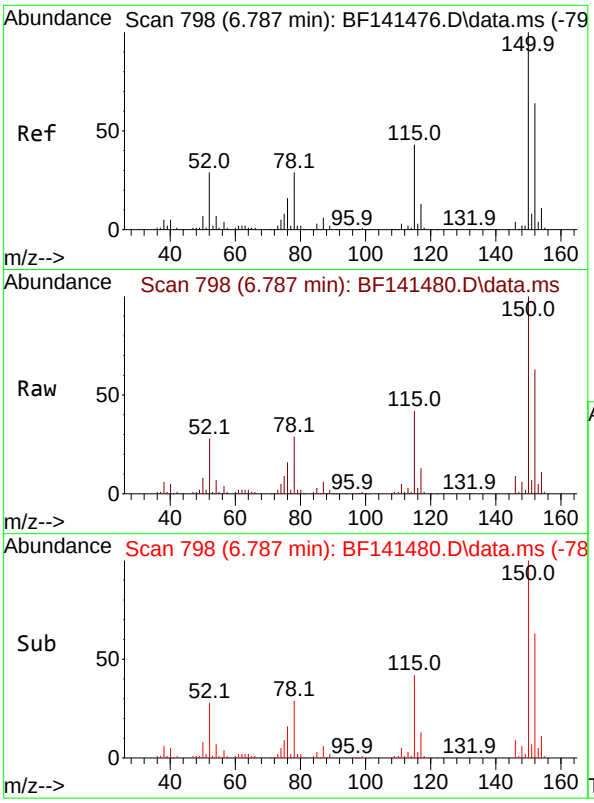
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



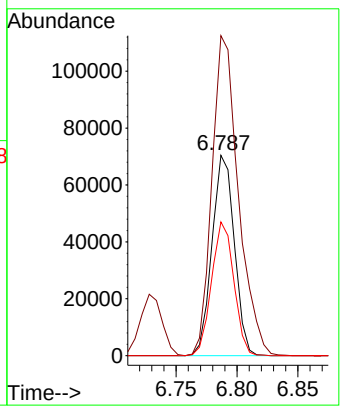


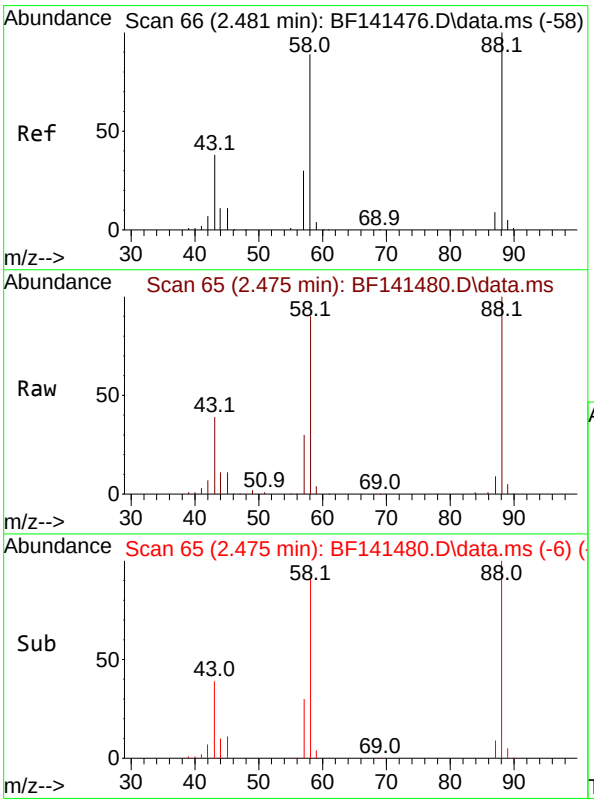
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

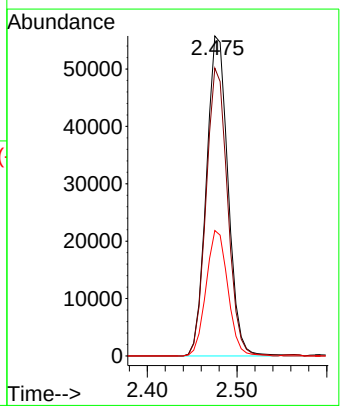


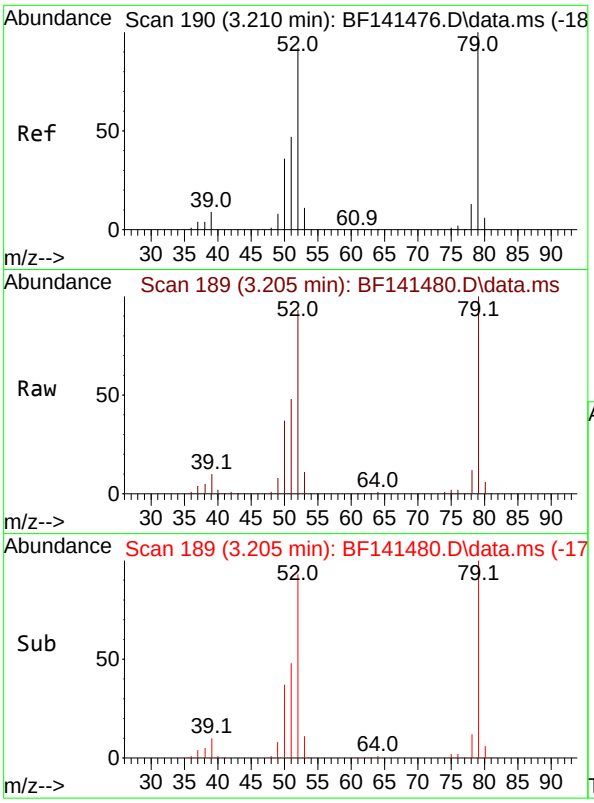


#2
1,4-Dioxane
Concen: 40.369 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



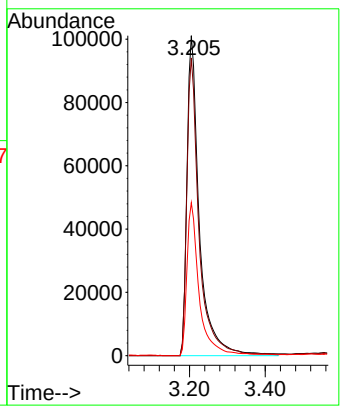


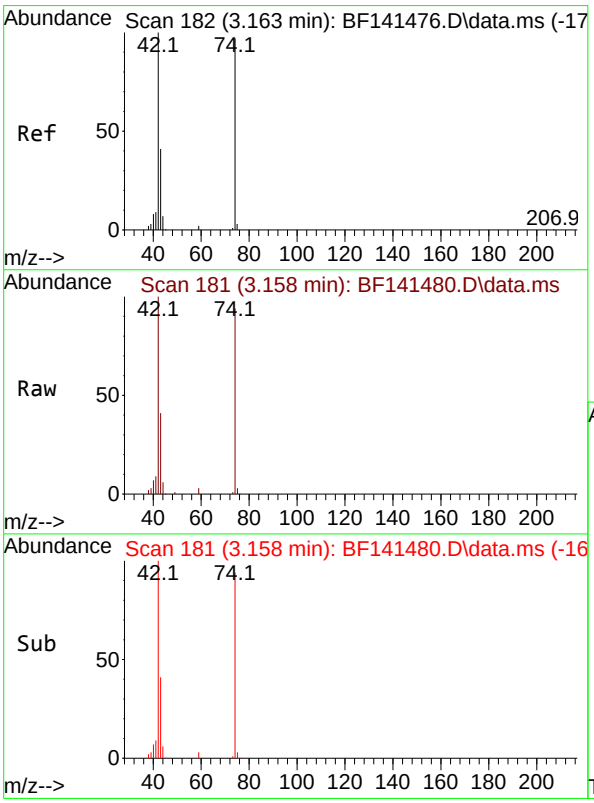
#3
Pyridine
Concen: 41.938 ng
RT: 3.205 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

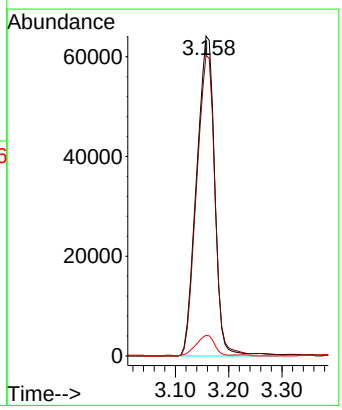


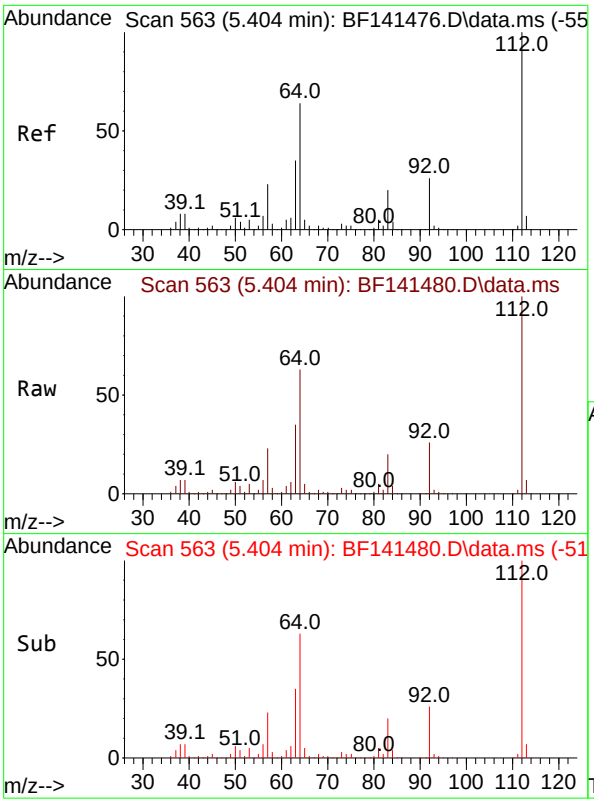


#4
n-Nitrosodimethylamine
Concen: 41.653 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



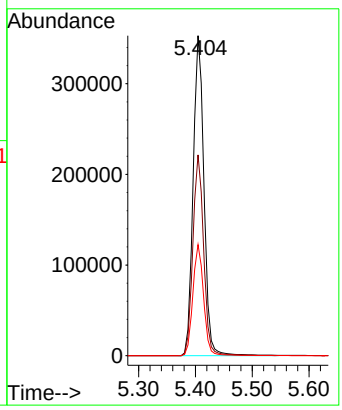


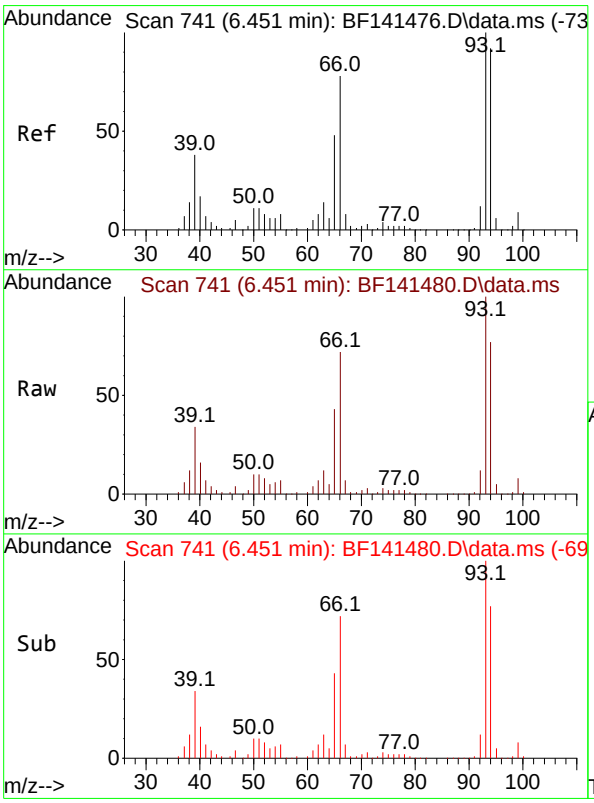
#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

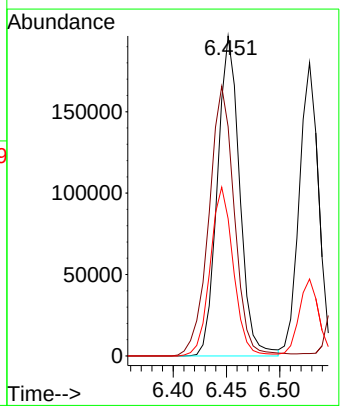


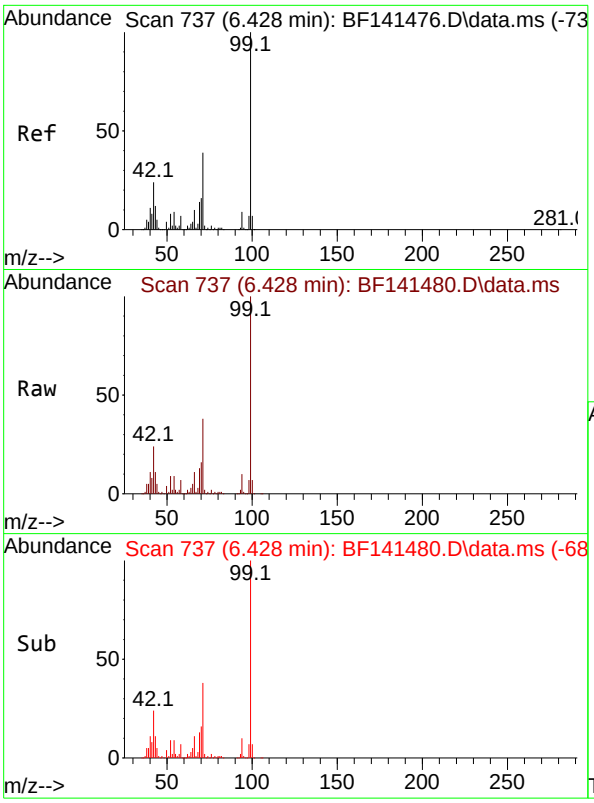


#6
Aniline
Concen: 41.834 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



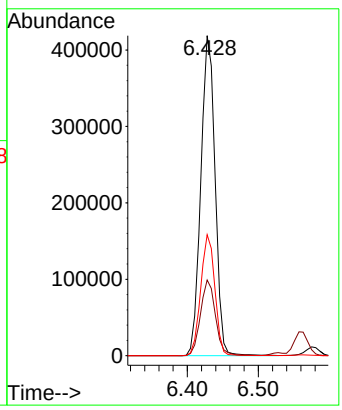


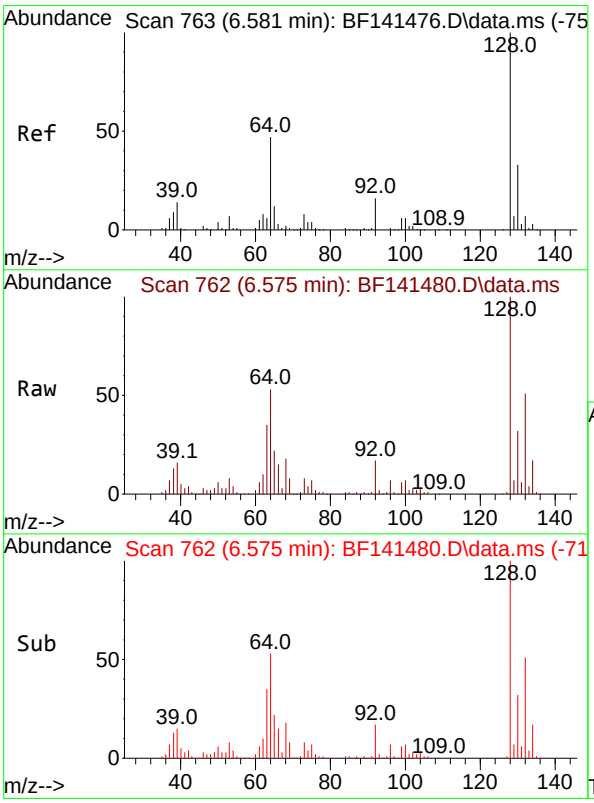
#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

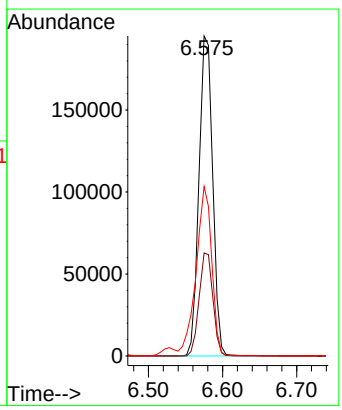


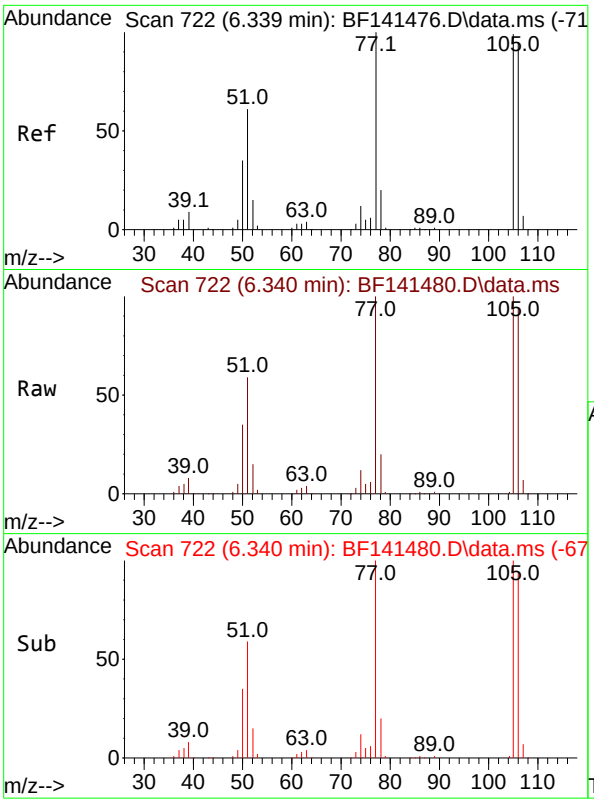


#8
2-Chlorophenol
Concen: 40.527 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



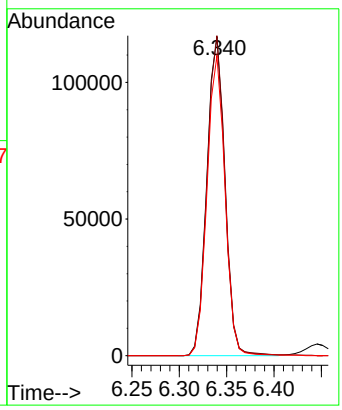


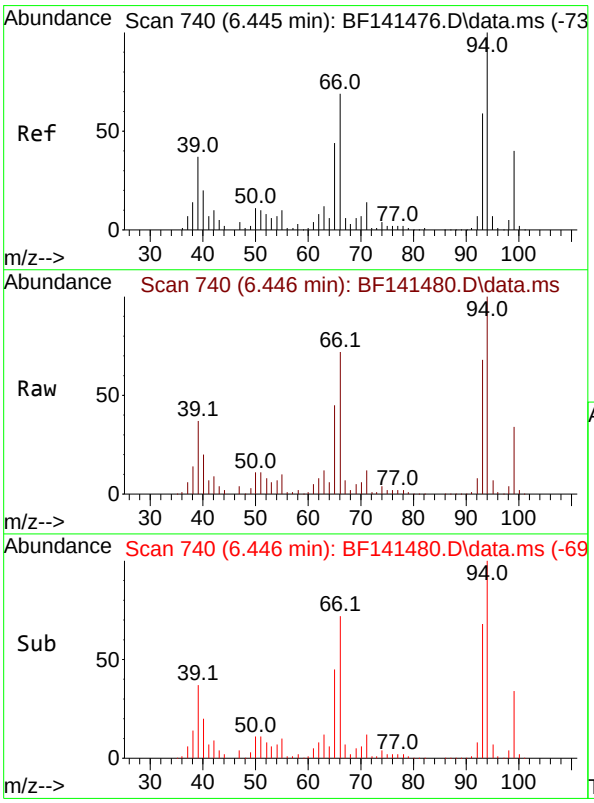
#9
Benzaldehyde
Concen: 40.105 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

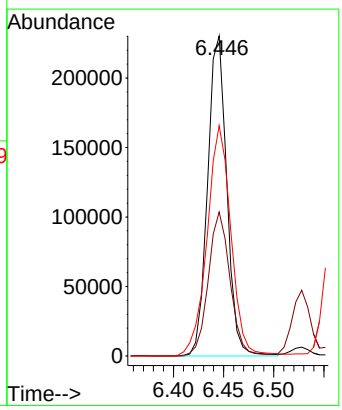


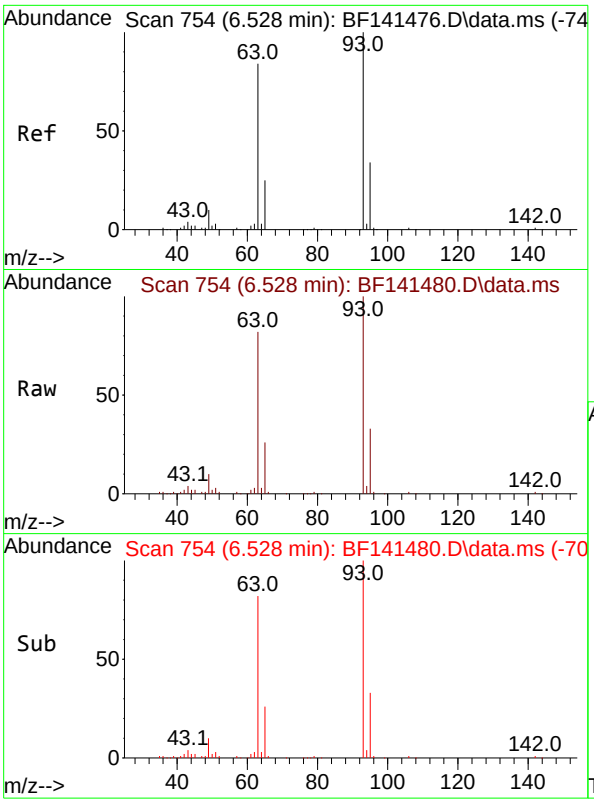


#10
Phenol
Concen: 40.615 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



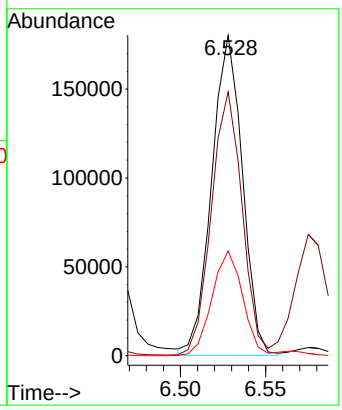


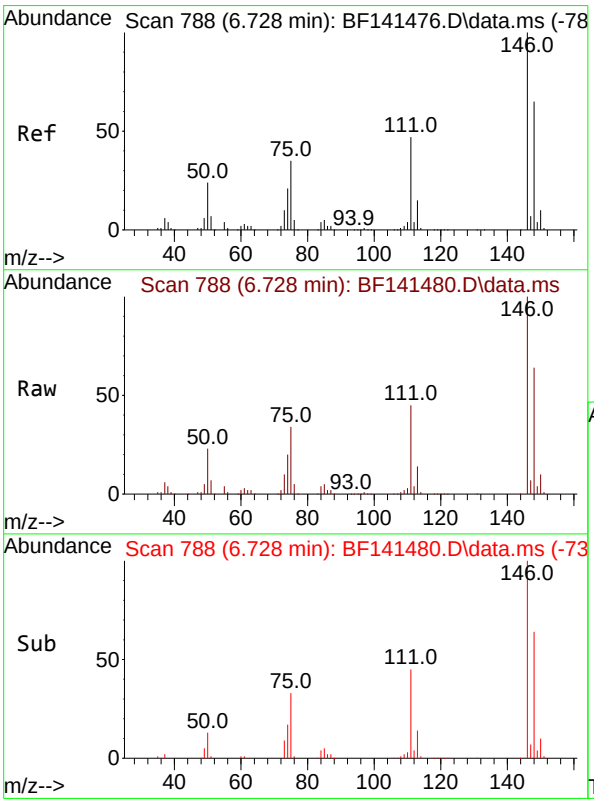
#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

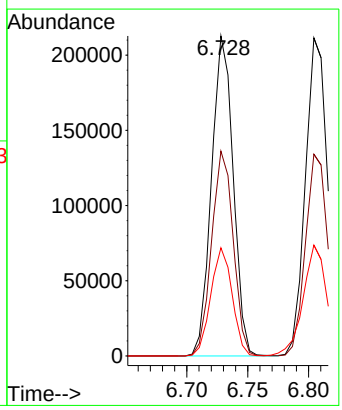


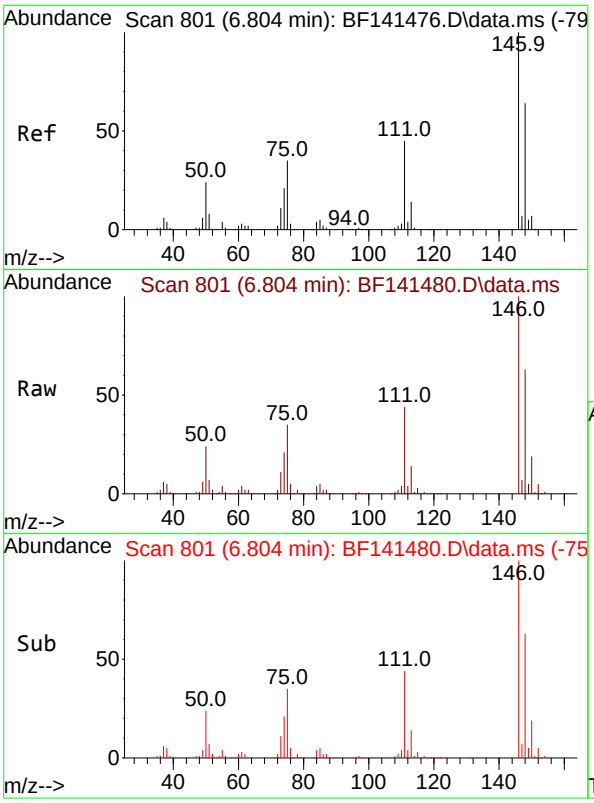


#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



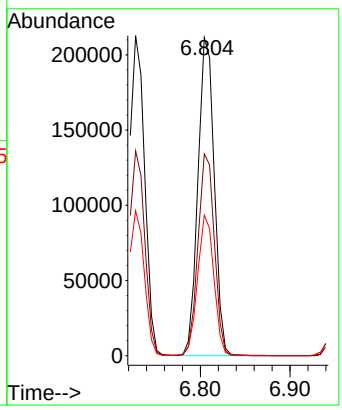


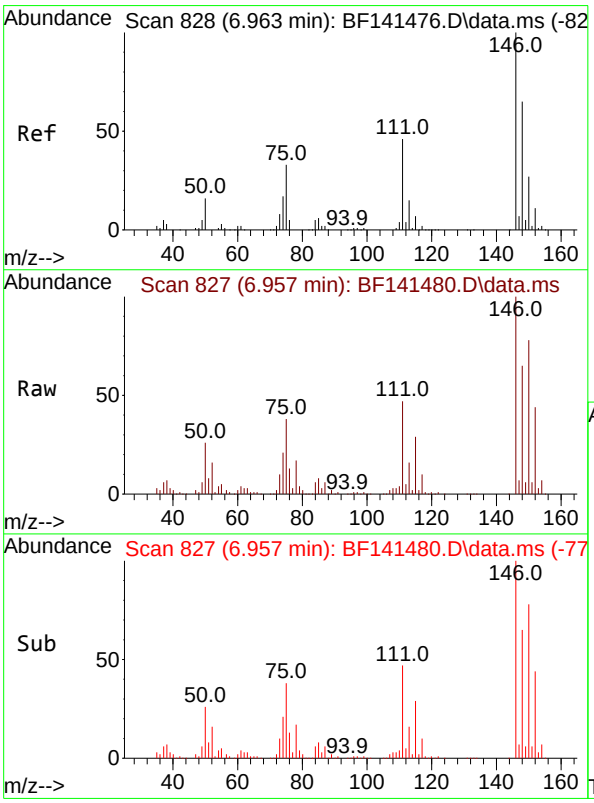
#13
1,4-Dichlorobenzene
Concen: 39.911 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

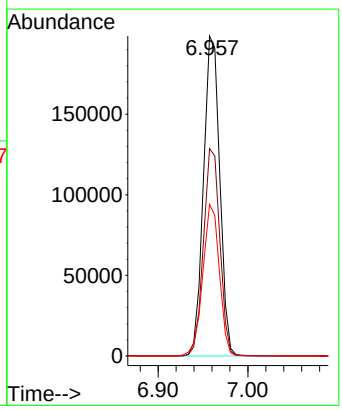


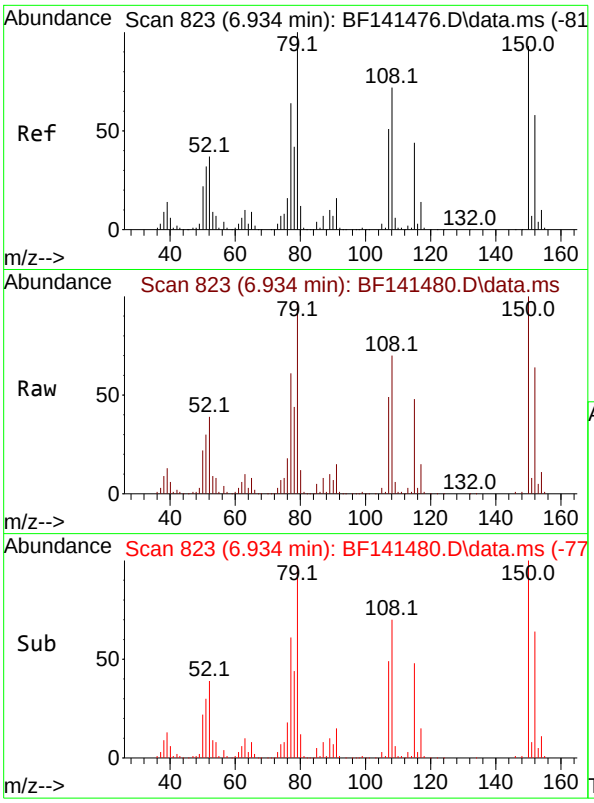


#14
1,2-Dichlorobenzene
Concen: 40.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



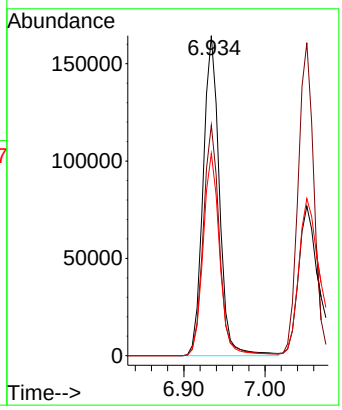


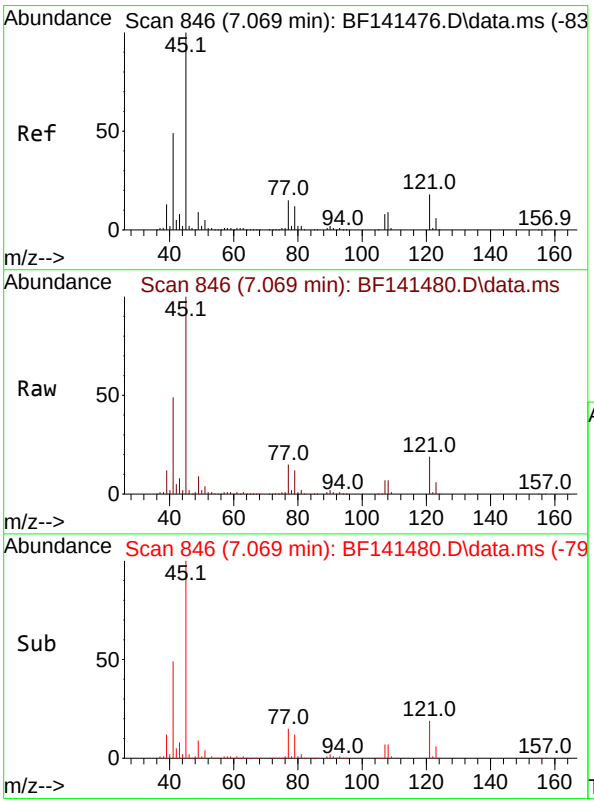
#15
Benzyl Alcohol
Concen: 41.041 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

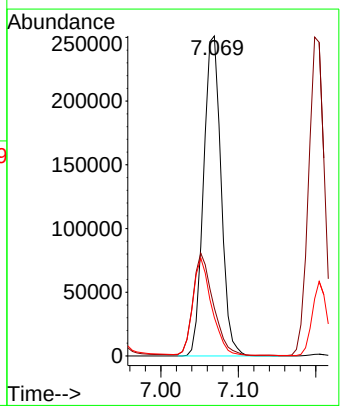


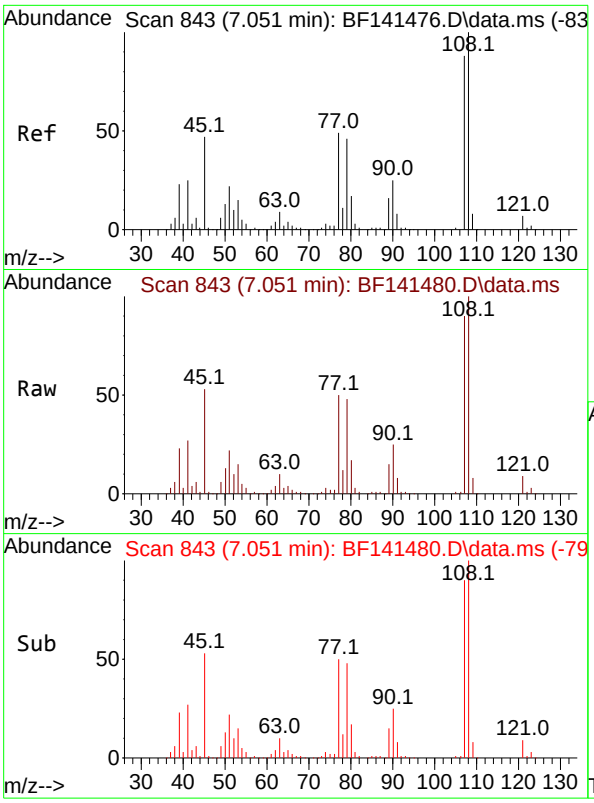


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.535 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



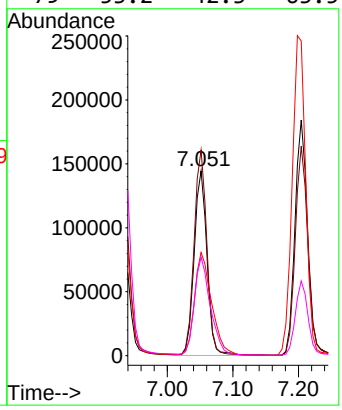


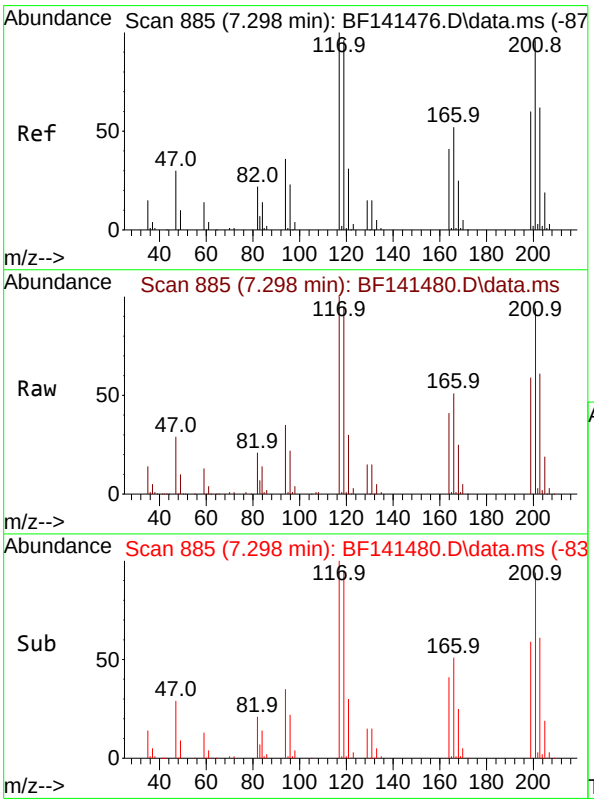
#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

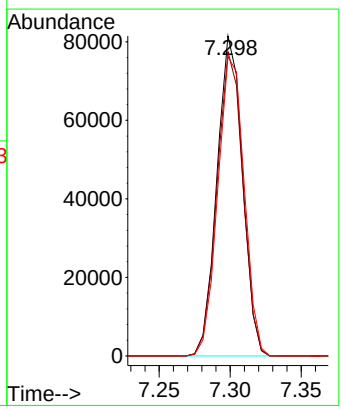


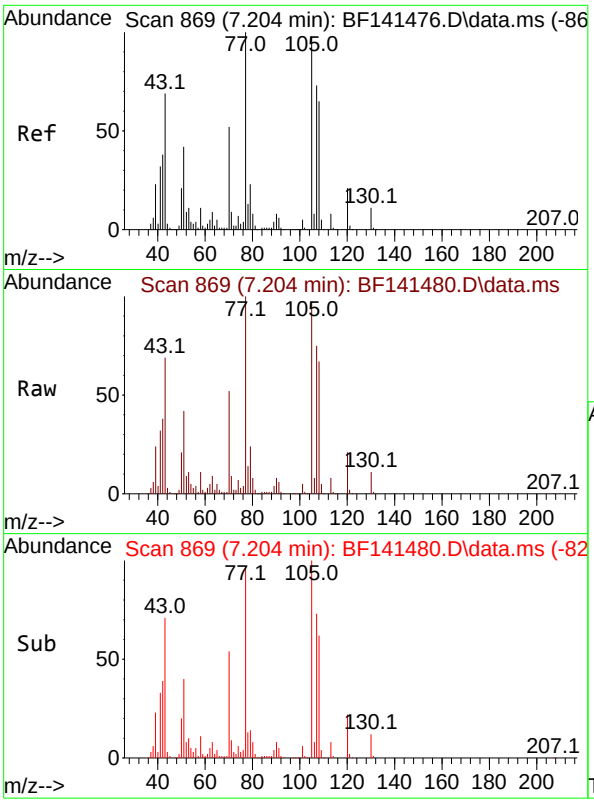


#18
Hexachloroethane
Concen: 41.061 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



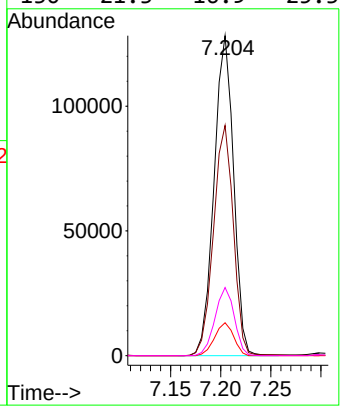


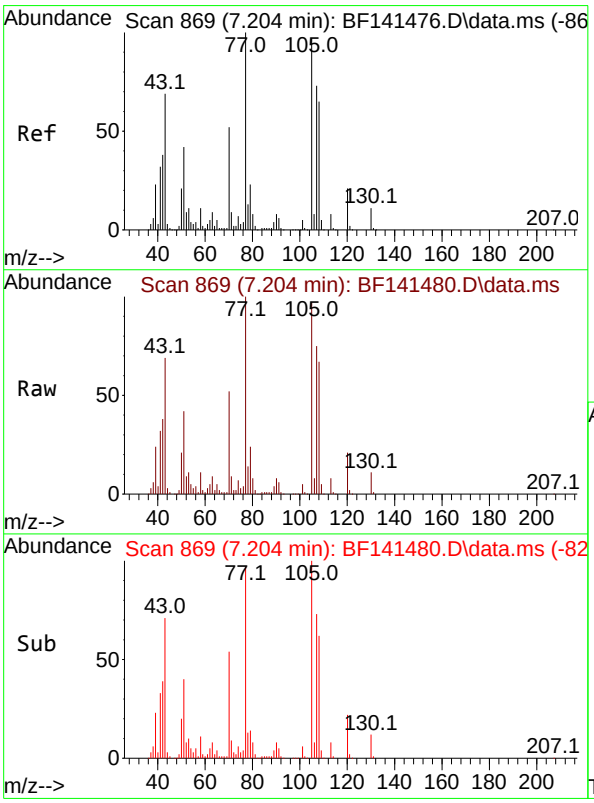
#19
n-Nitroso-di-n-propylamine
Concen: 40.048 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

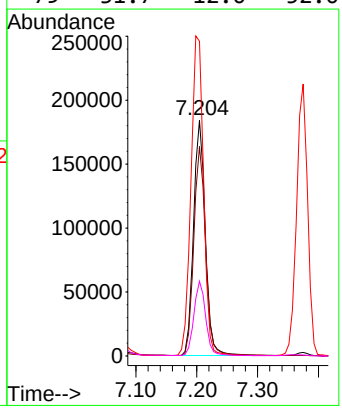


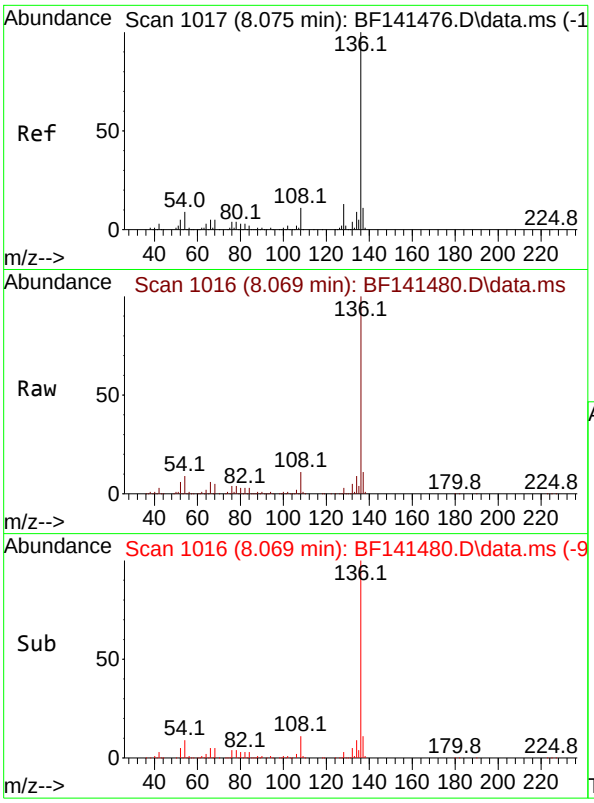


#20
3+4-Methylphenols
Concen: 40.073 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



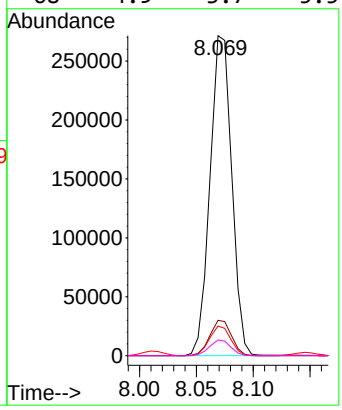


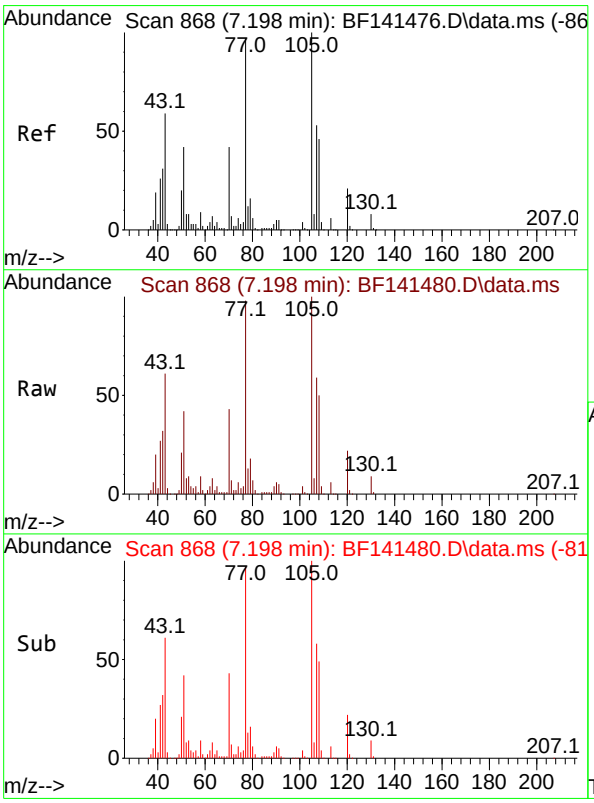
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

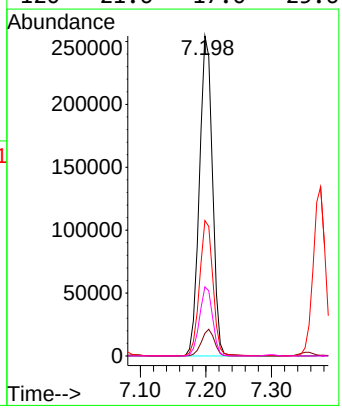


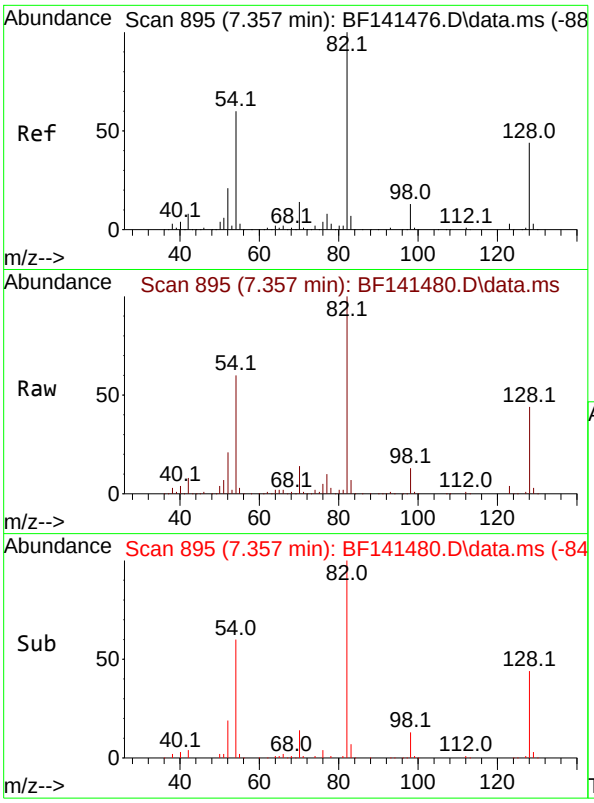


#22
Acetophenone
Concen: 39.246 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



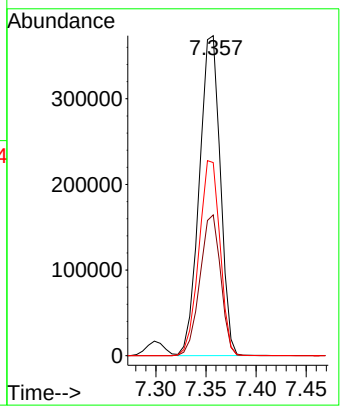


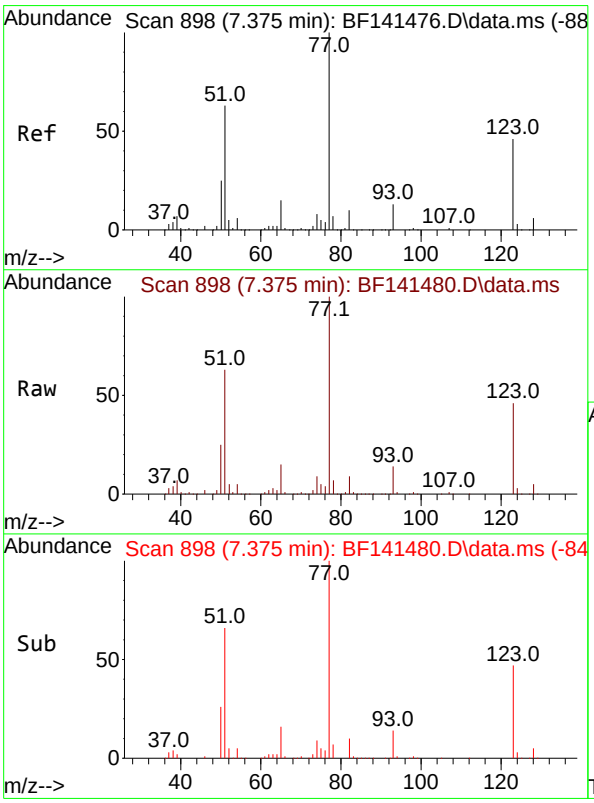
#23
Nitrobenzene-d5
Concen: 78.369 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

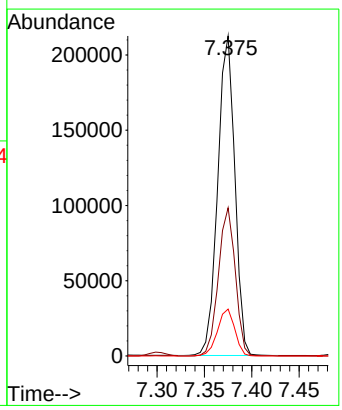


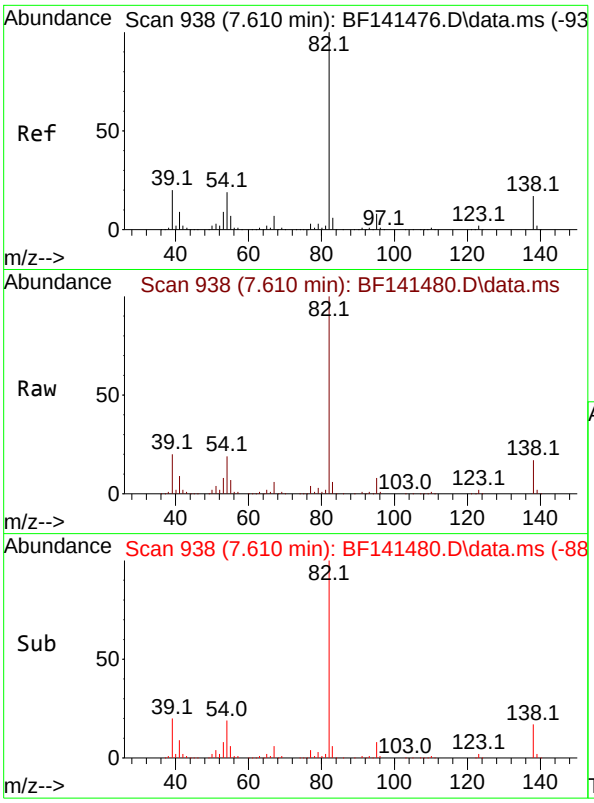


#24
Nitrobenzene
Concen: 39.429 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



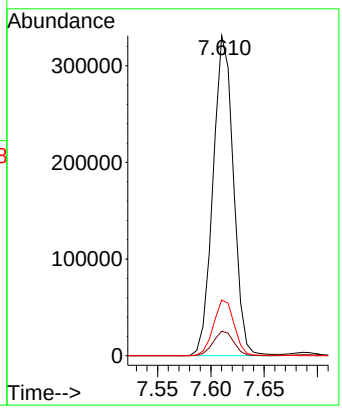


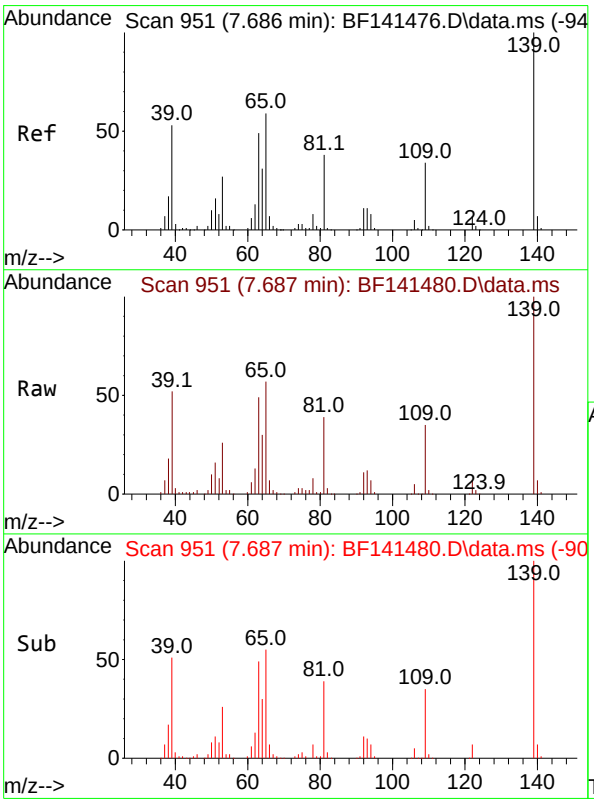
#25
Isophorone
Concen: 39.767 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

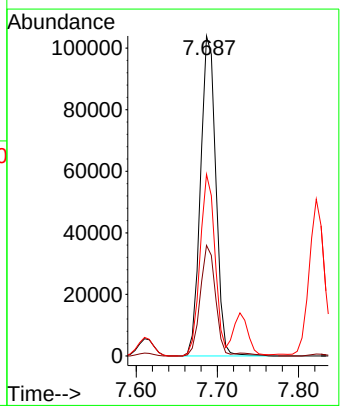


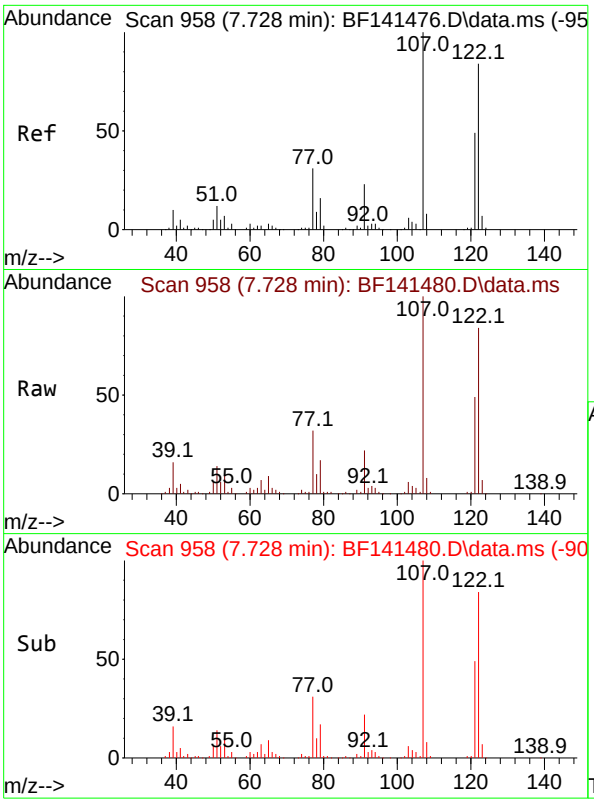


#26
2-Nitrophenol
Concen: 40.413 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



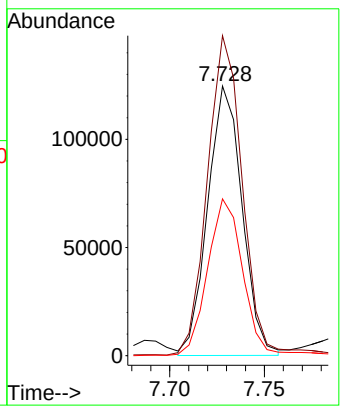


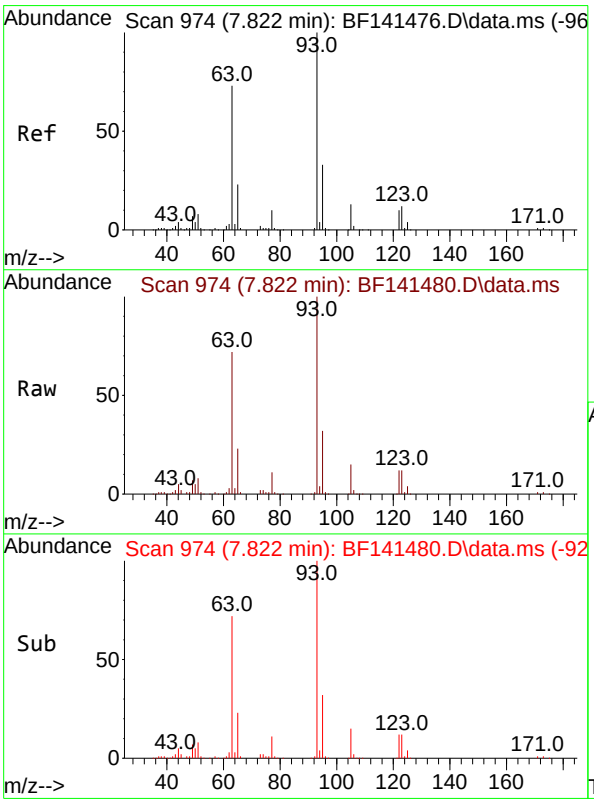
#27
2,4-Dimethylphenol
Concen: 39.924 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

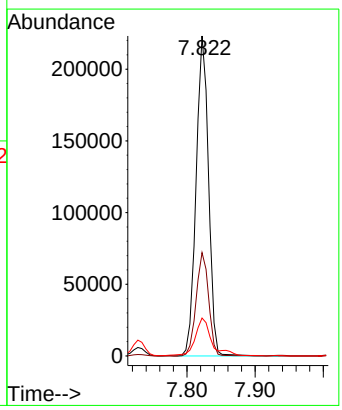


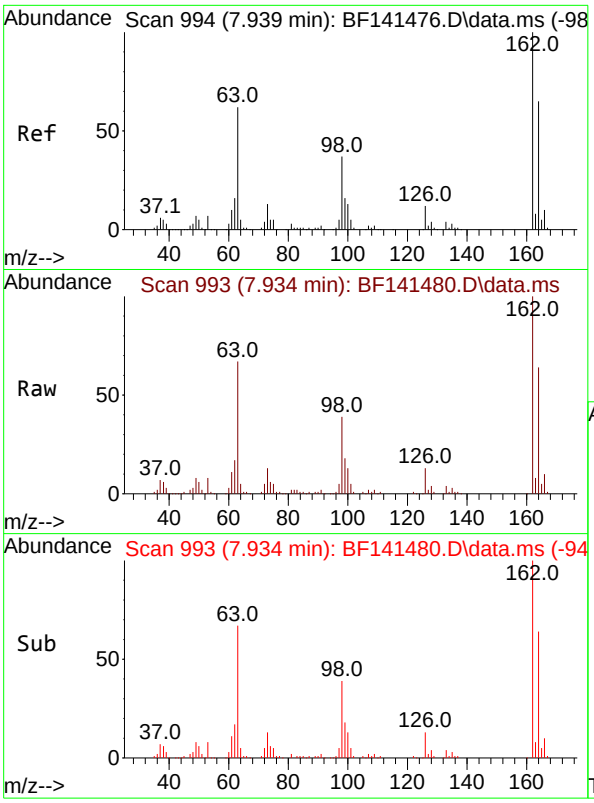


#28
bis(2-Chloroethoxy)methane
Concen: 39.822 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



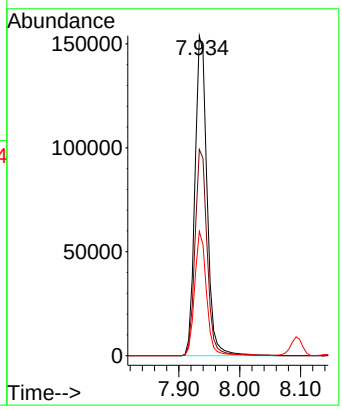


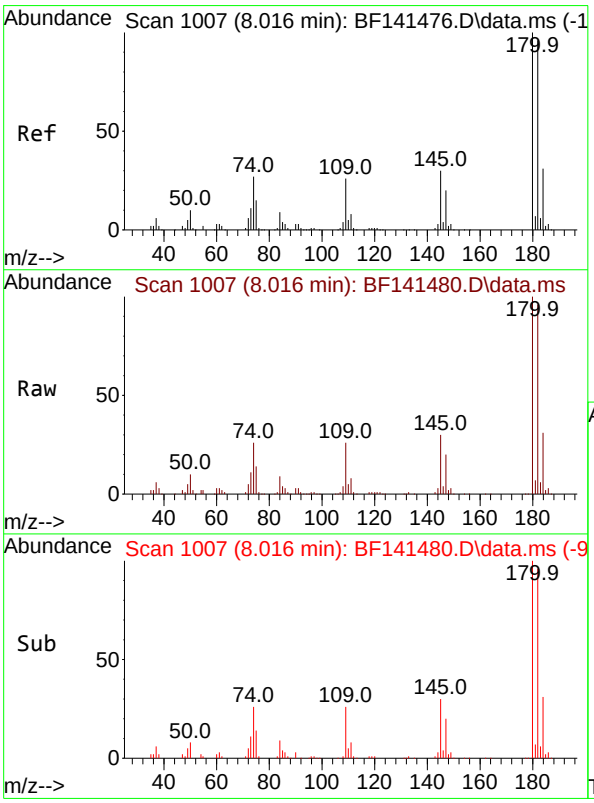
#29
2,4-Dichlorophenol
Concen: 39.818 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

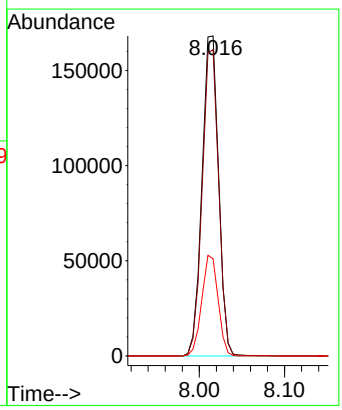


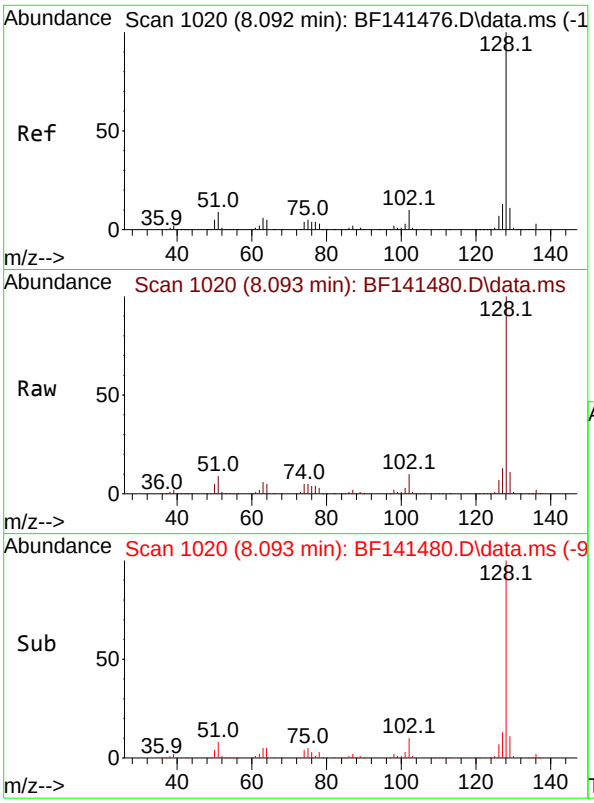


#30
1,2,4-Trichlorobenzene
Concen: 39.237 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



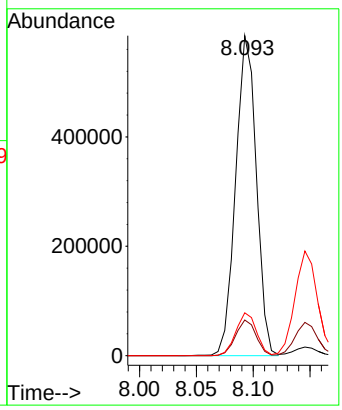


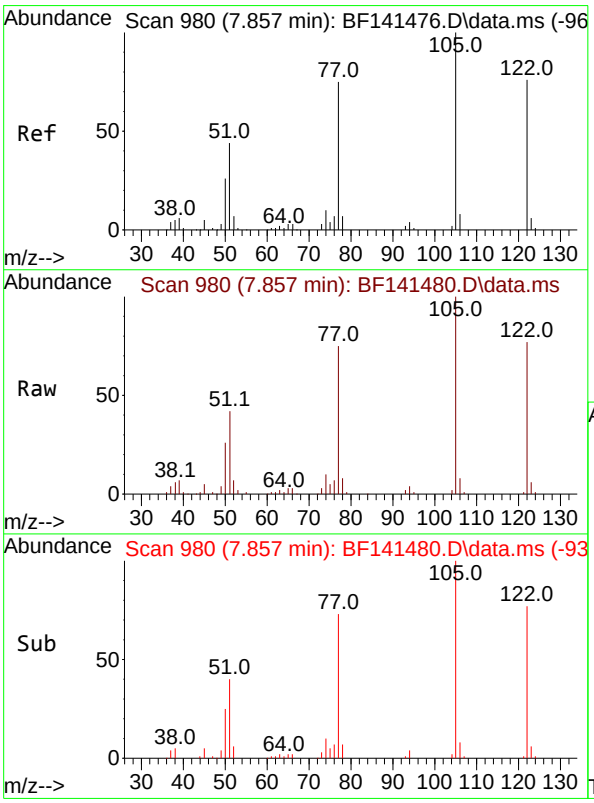
#31
Naphthalene
Concen: 39.287 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

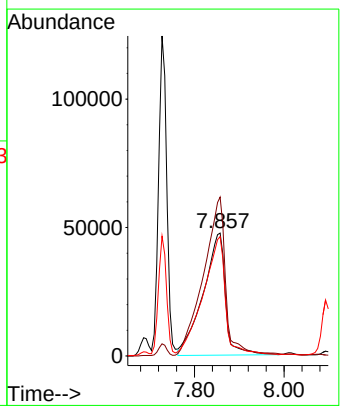


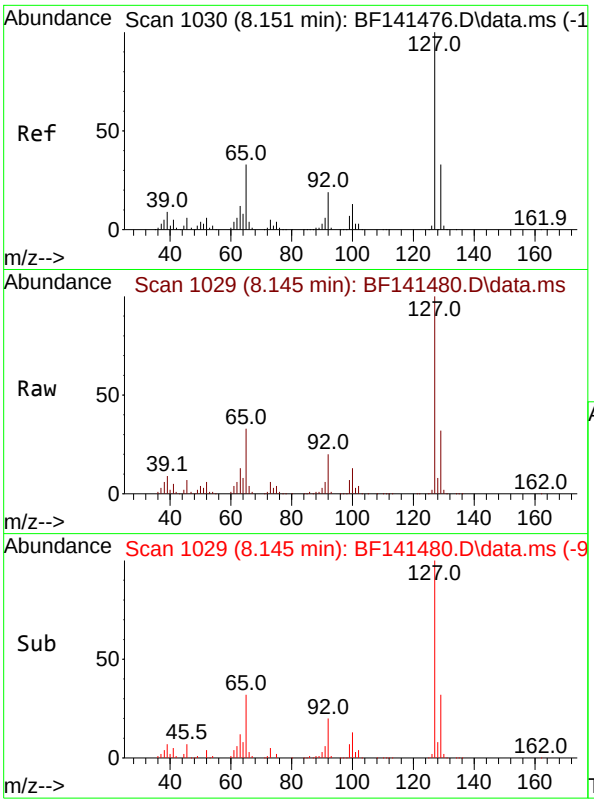


#32
Benzoic acid
Concen: 40.324 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



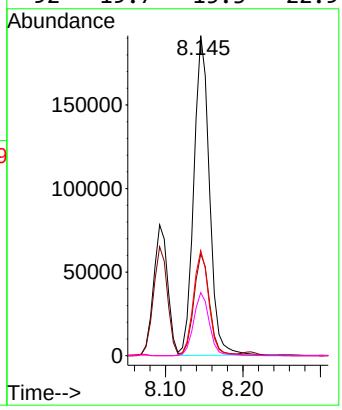


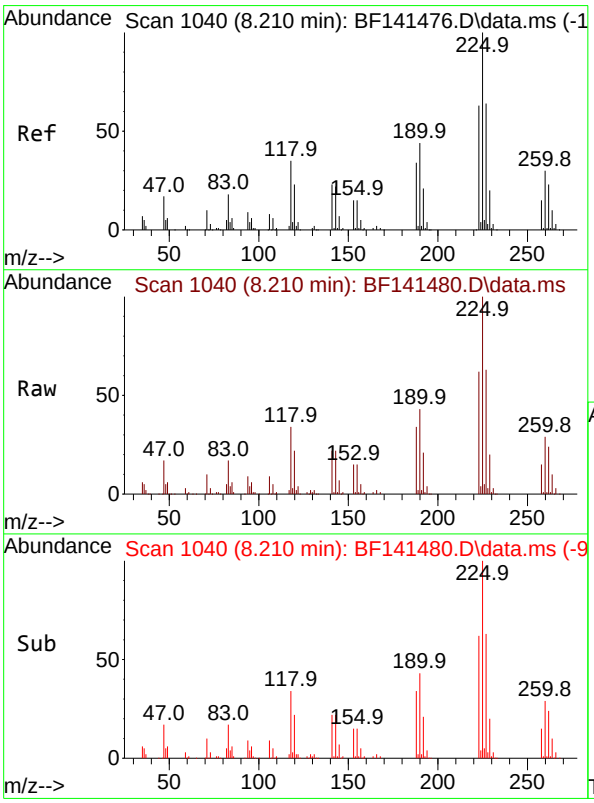
#33
4-Chloroaniline
Concen: 40.680 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

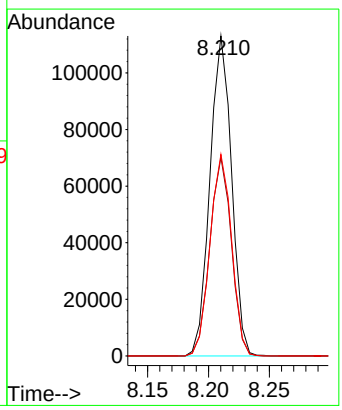


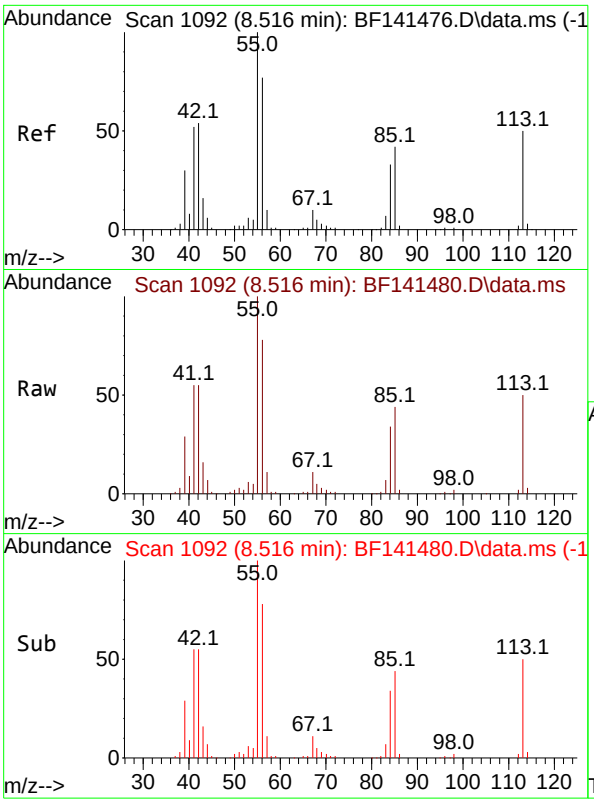


#34
Hexachlorobutadiene
Concen: 40.144 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



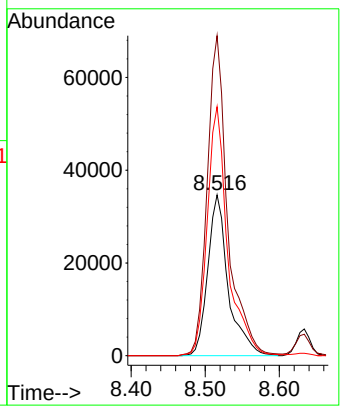


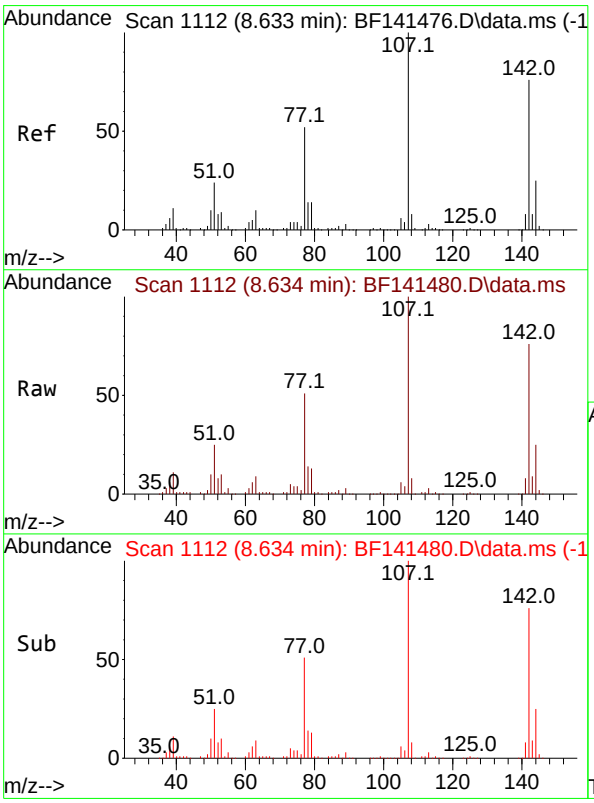
#35
Caprolactam
Concen: 41.104 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

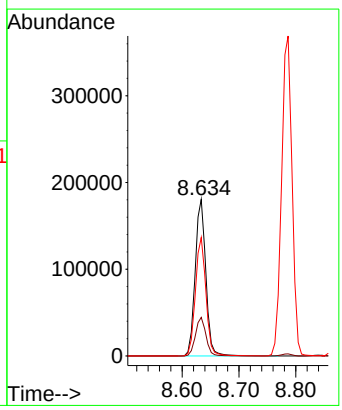


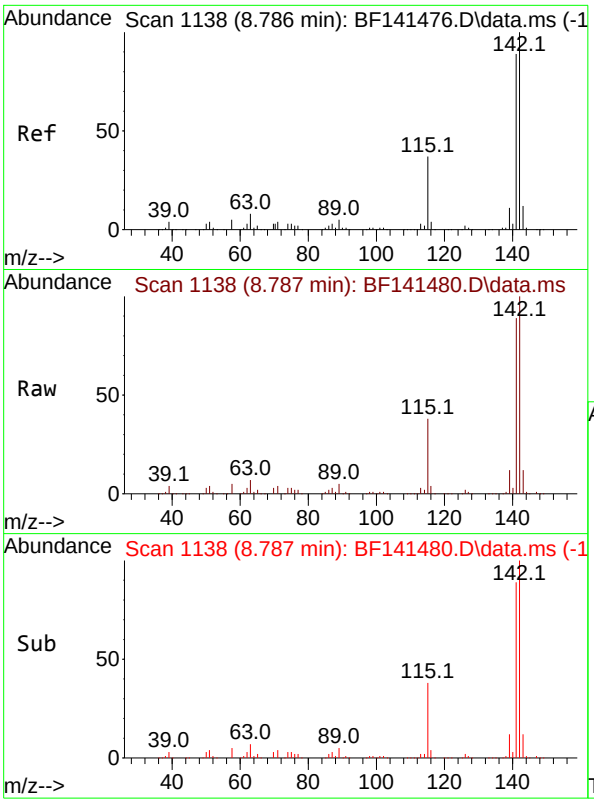


#36
4-Chloro-3-methylphenol
Concen: 40.006 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



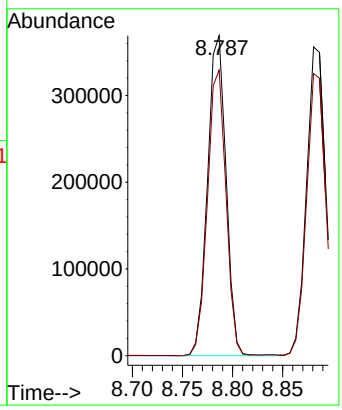


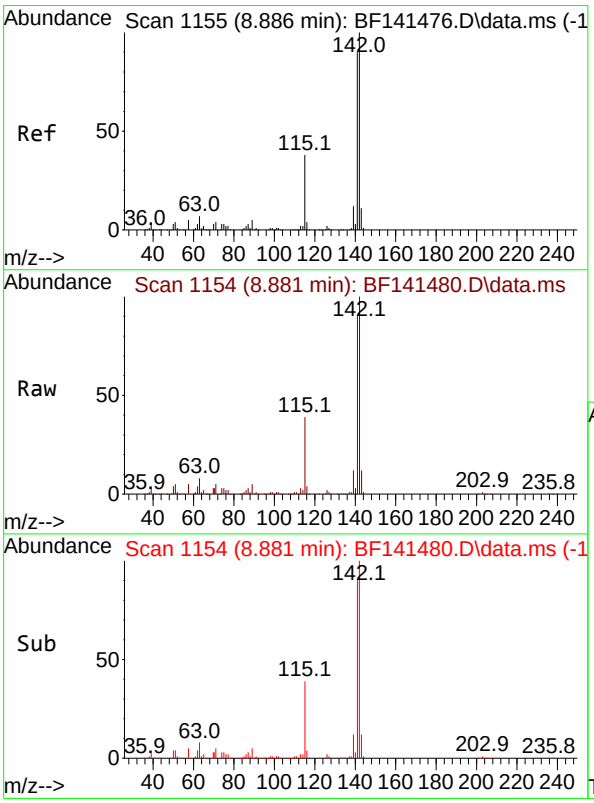
#37
2-Methylnaphthalene
Concen: 38.710 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Instrument :
BNA_F
ClientSampleId :
ICVBF020625

Tgt Ion:142 Resp: 475273

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8

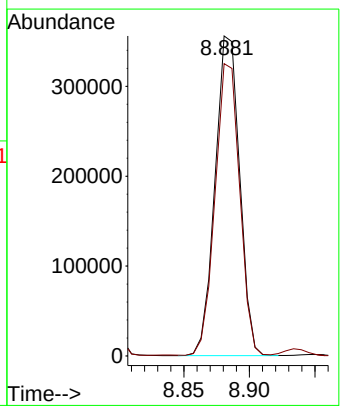


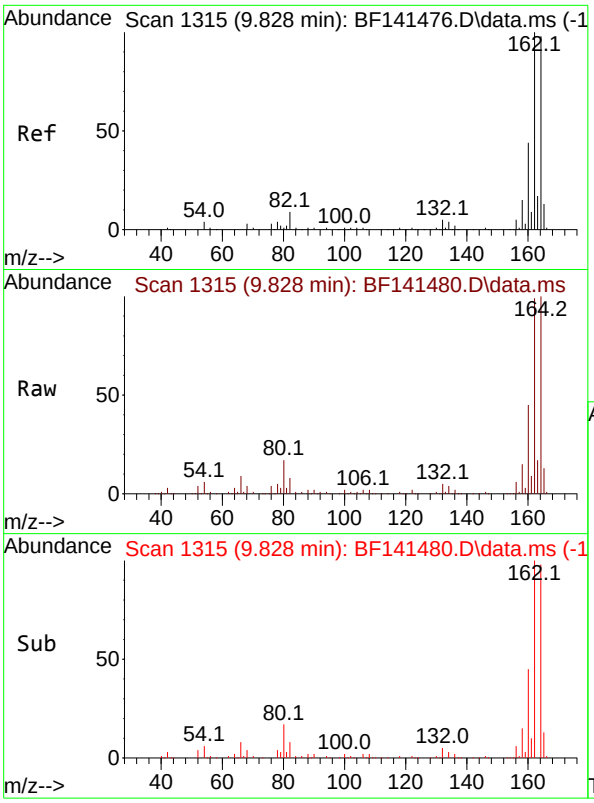


#38
1-Methylnaphthalene
Concen: 39.049 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:142 Resp: 464346

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1



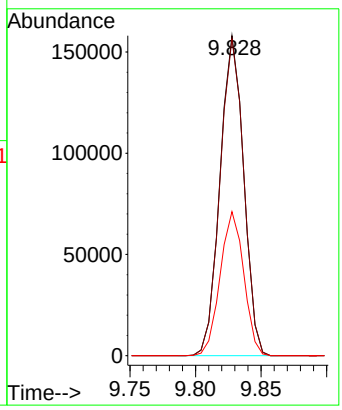


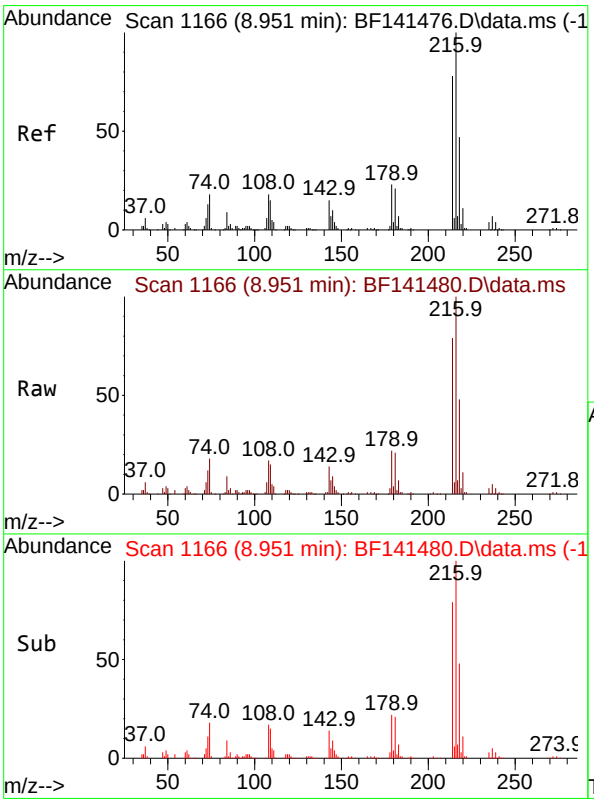
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

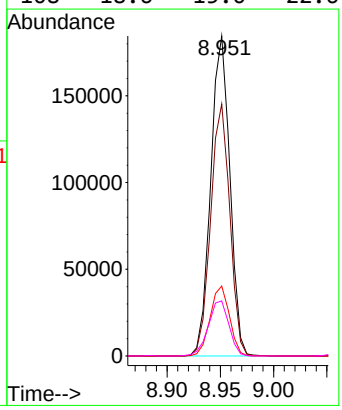


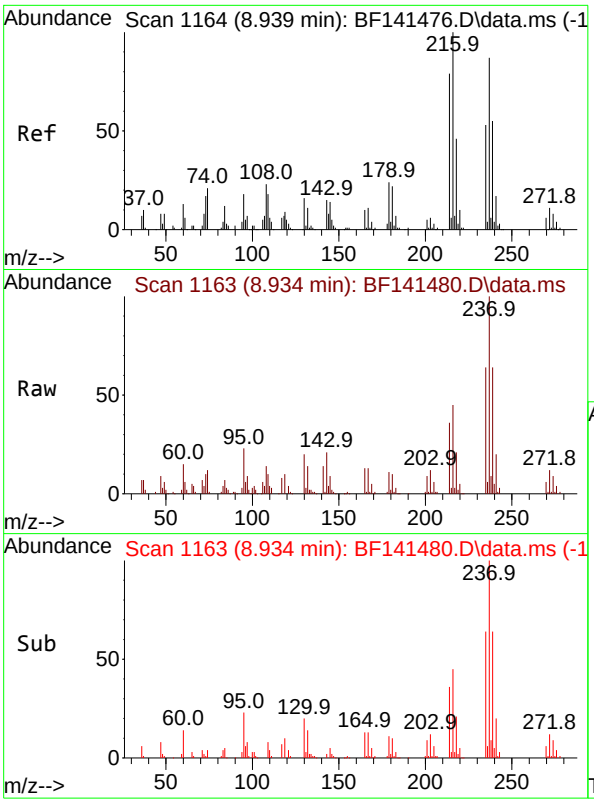


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.182 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



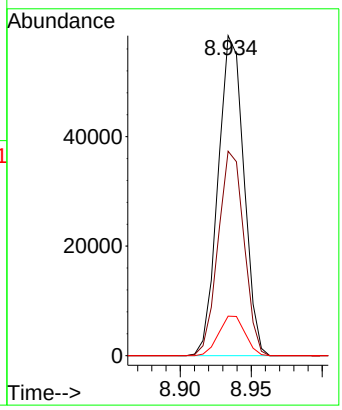


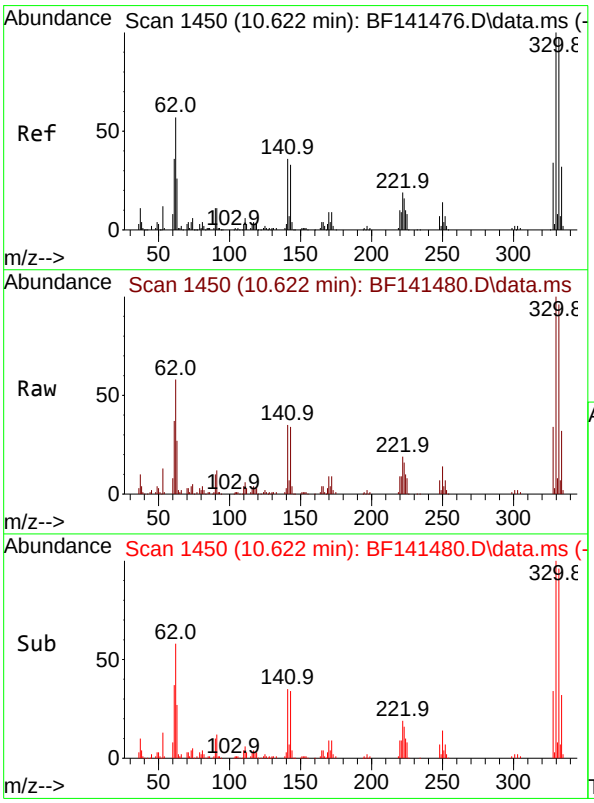
#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

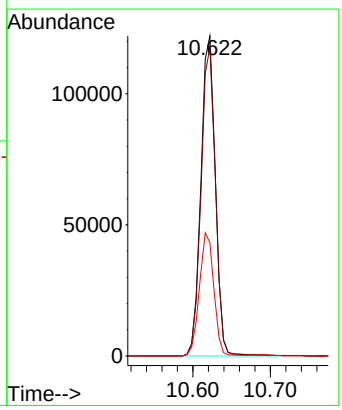


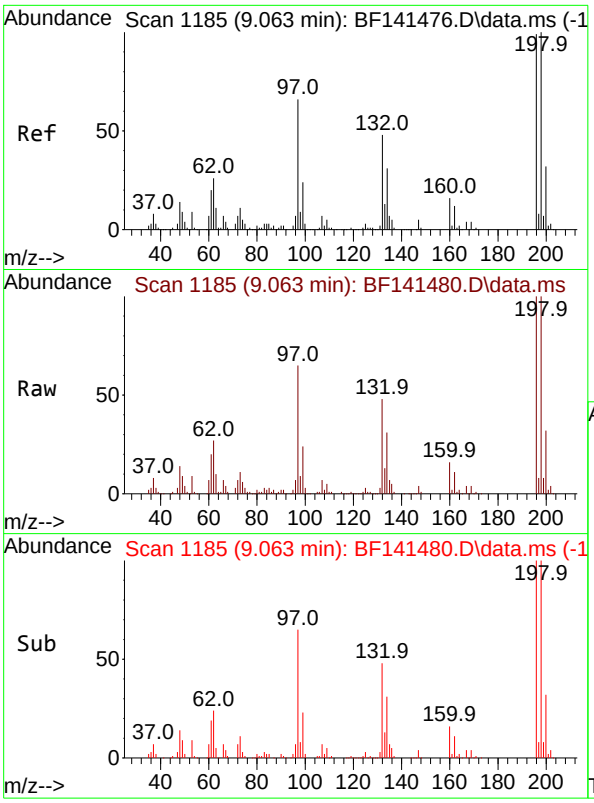


#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



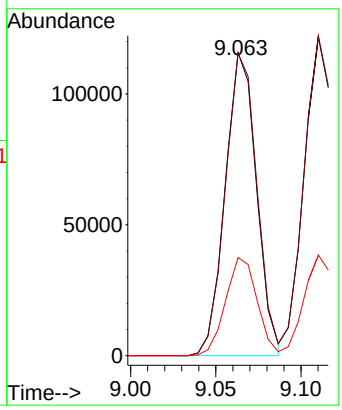


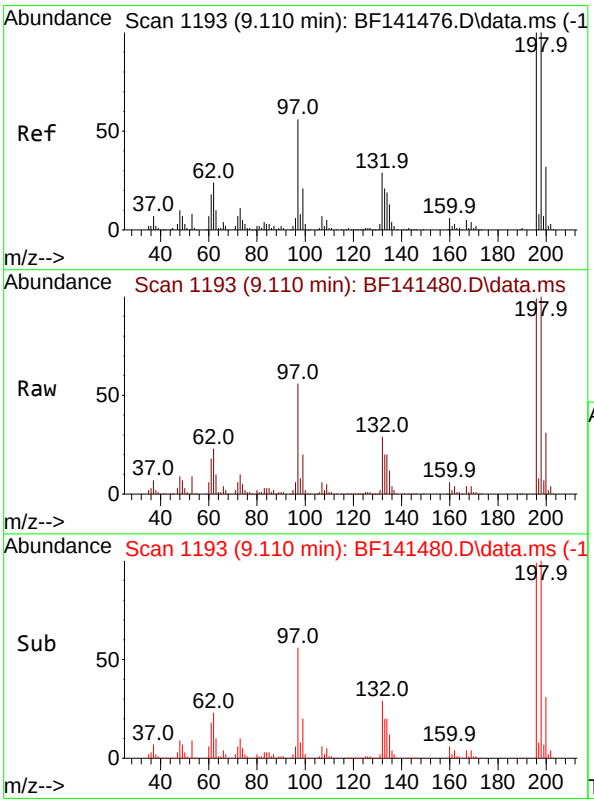
#43
2,4,6-Trichlorophenol
Concen: 39.914 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

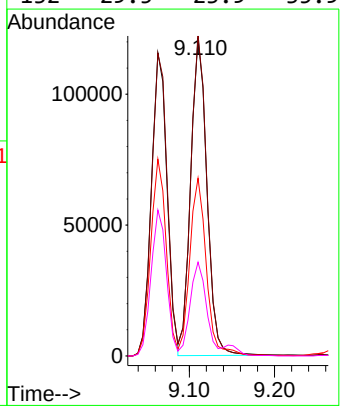


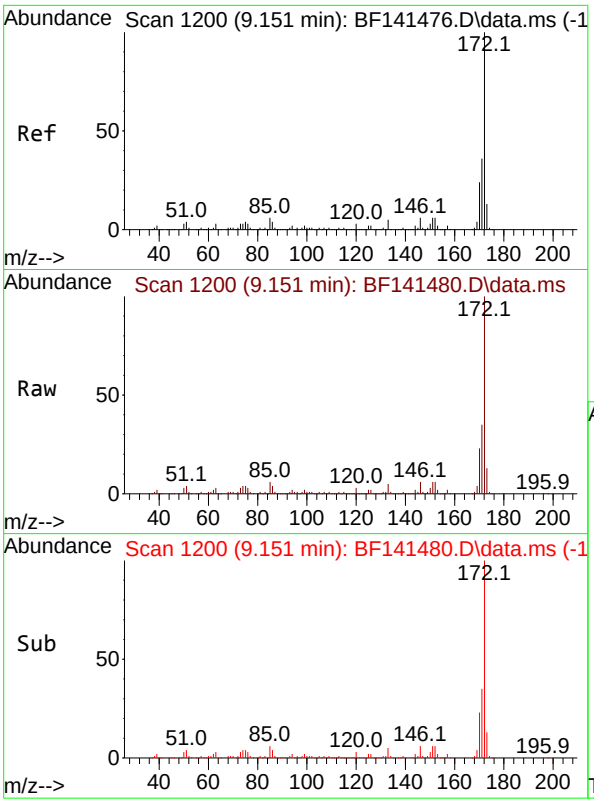


#44
2,4,5-Trichlorophenol
Concen: 40.108 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



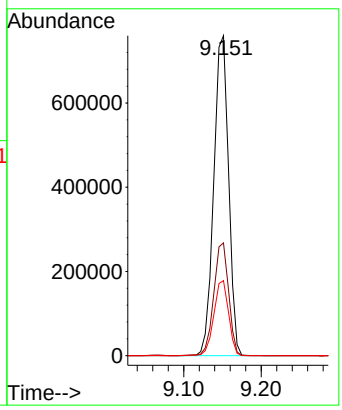


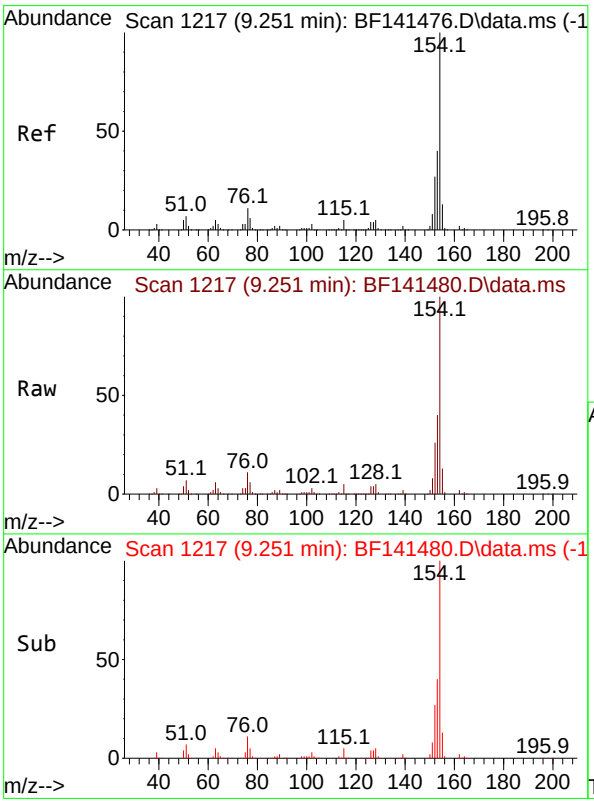
#45
2-Fluorobiphenyl
Concen: 78.786 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

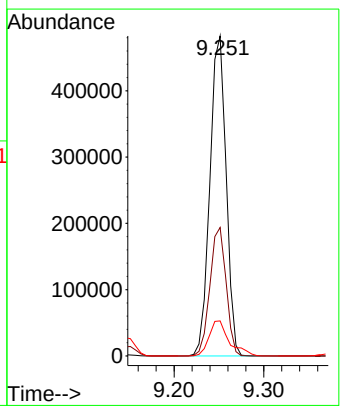


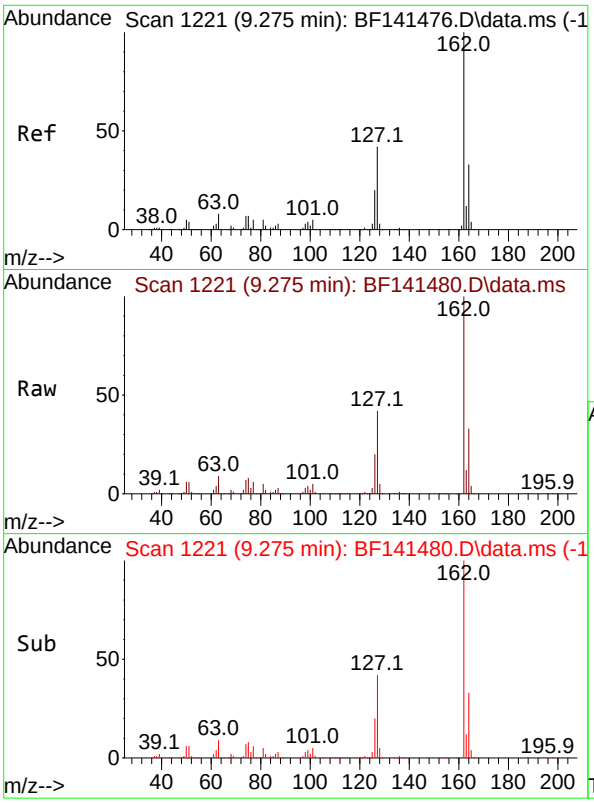


#46
1,1'-Biphenyl
Concen: 39.519 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



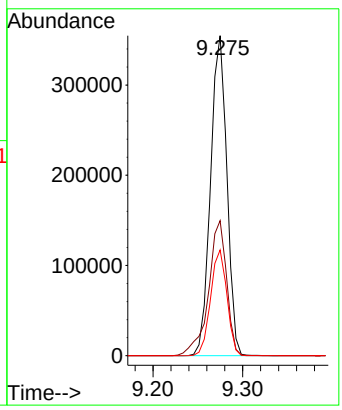


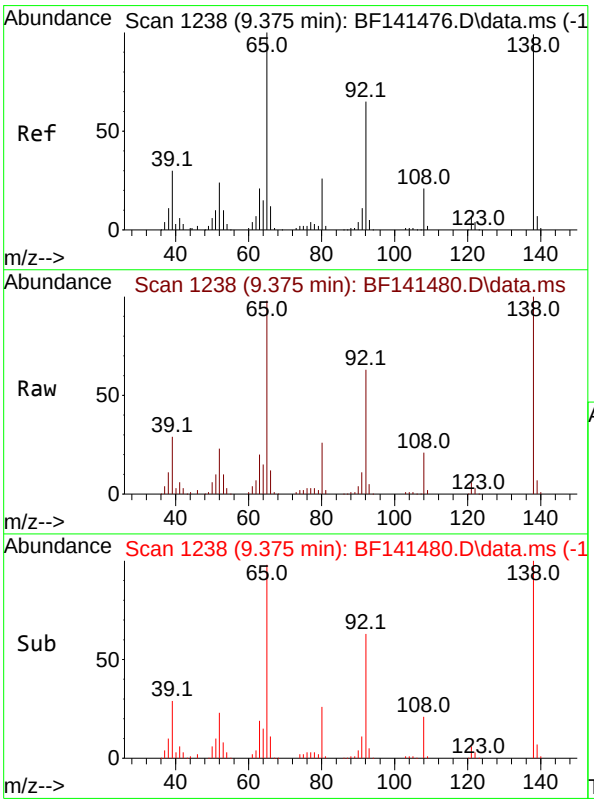
#47
2-Chloronaphthalene
Concen: 39.453 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

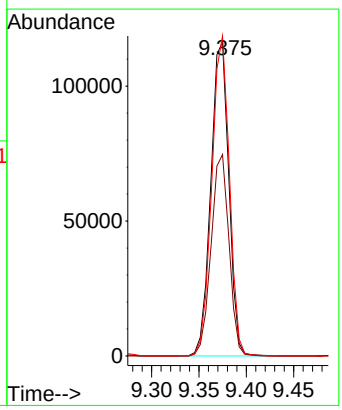


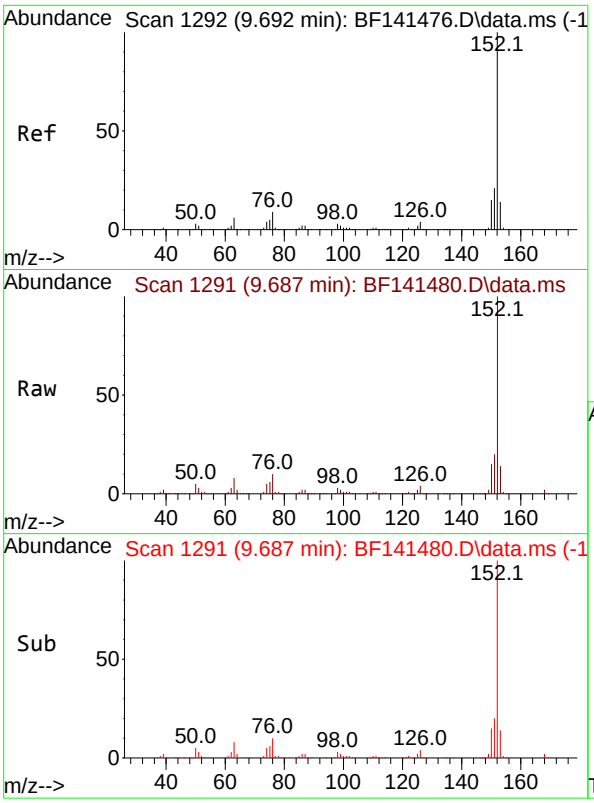


#48
2-Nitroaniline
Concen: 40.451 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



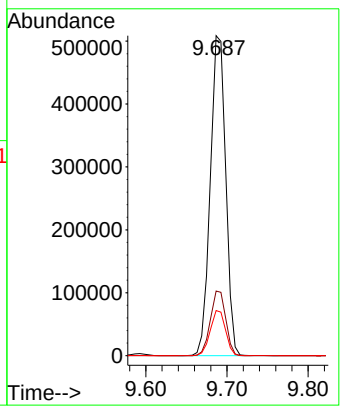


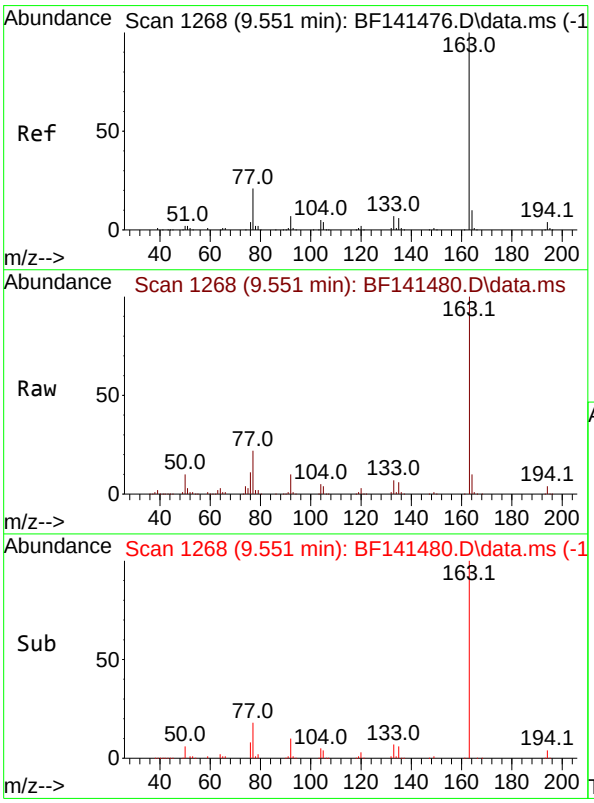
#49
Acenaphthylene
Concen: 39.734 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

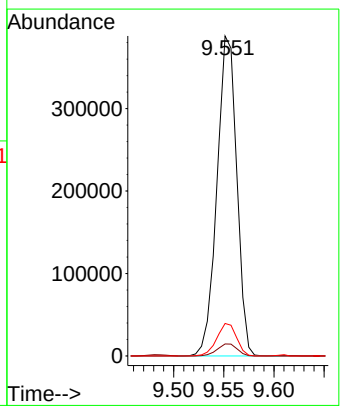


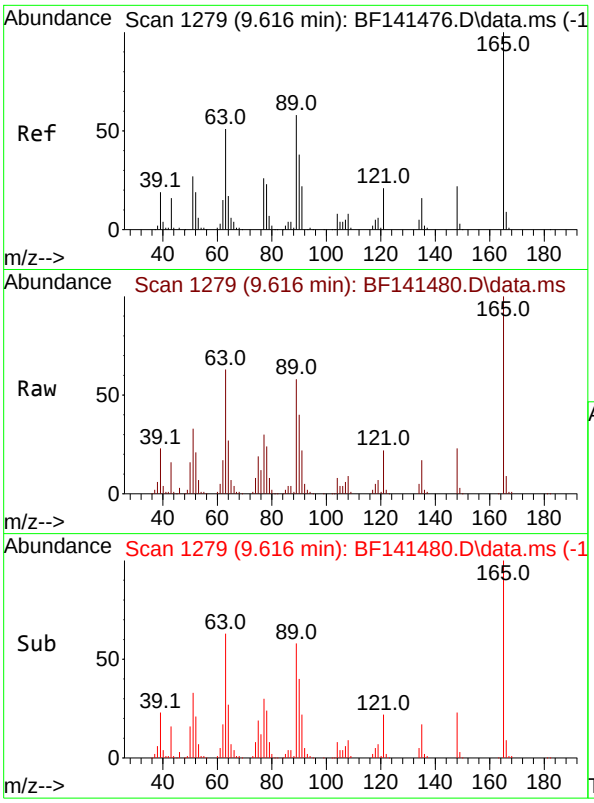


#50
Dimethylphthalate
Concen: 39.488 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



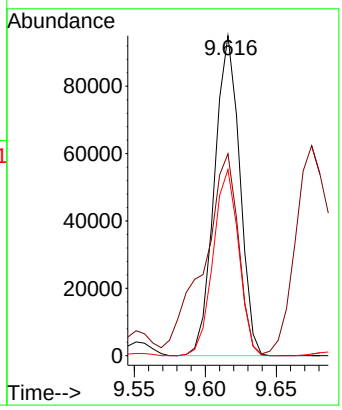


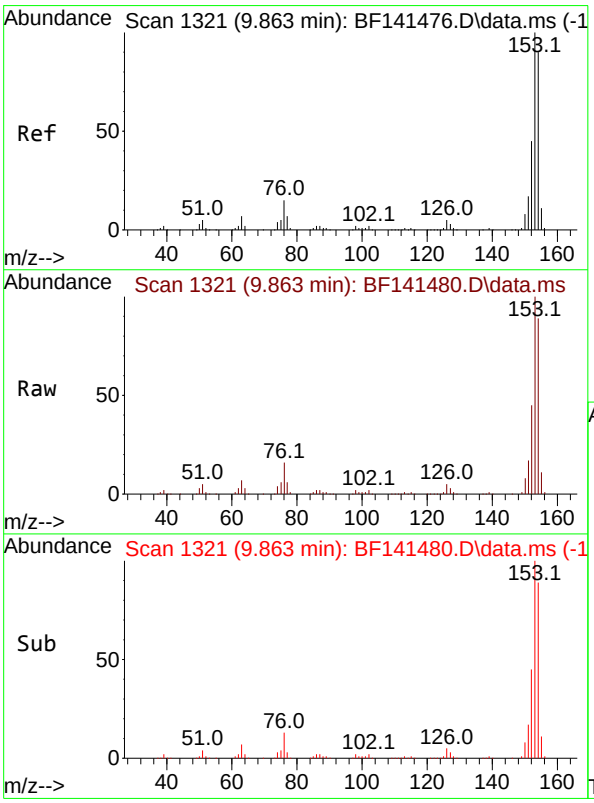
#51
2,6-Dinitrotoluene
Concen: 39.965 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

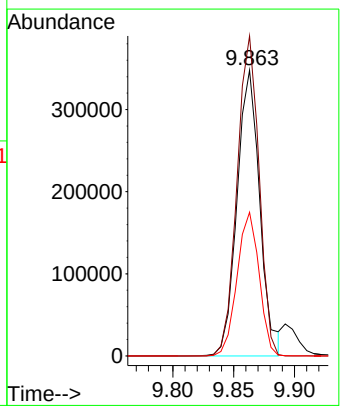


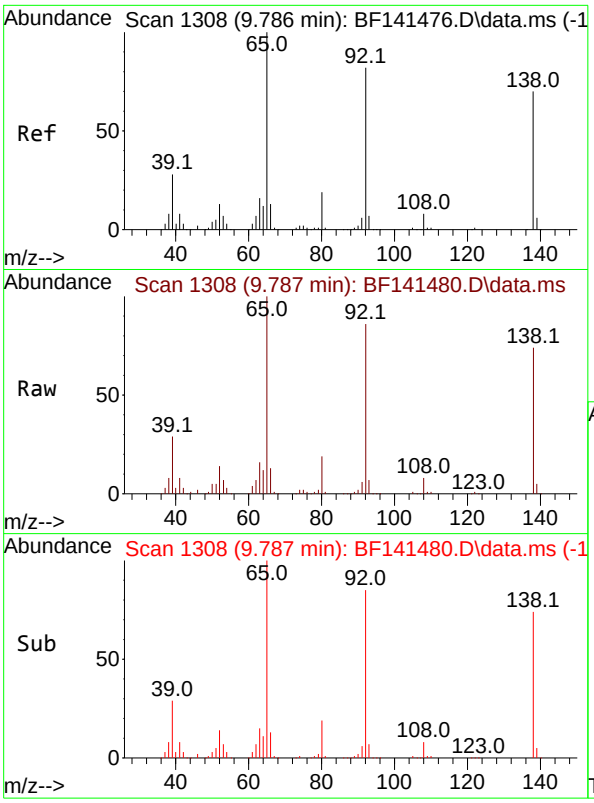


#52
Acenaphthene
Concen: 39.893 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



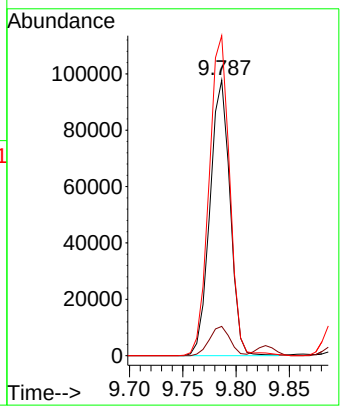


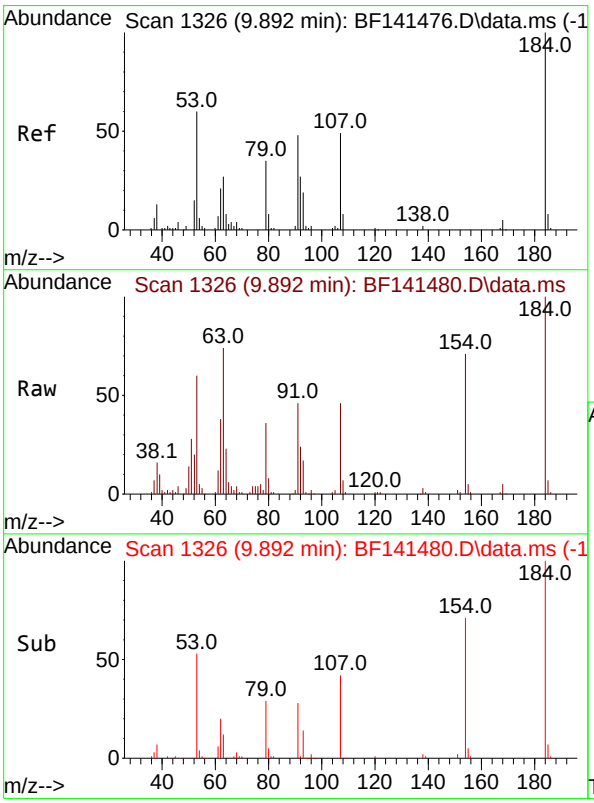
#53
3-Nitroaniline
Concen: 40.463 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

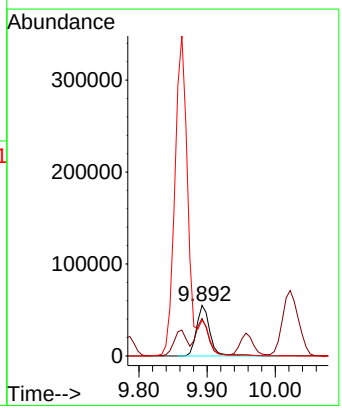


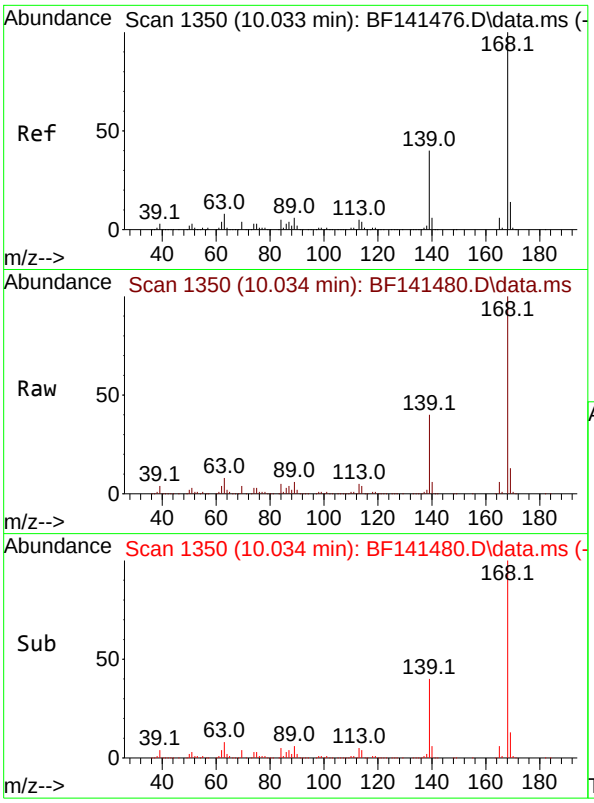


#54
2,4-Dinitrophenol
Concen: 42.639 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



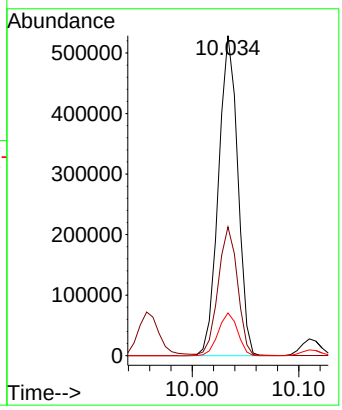


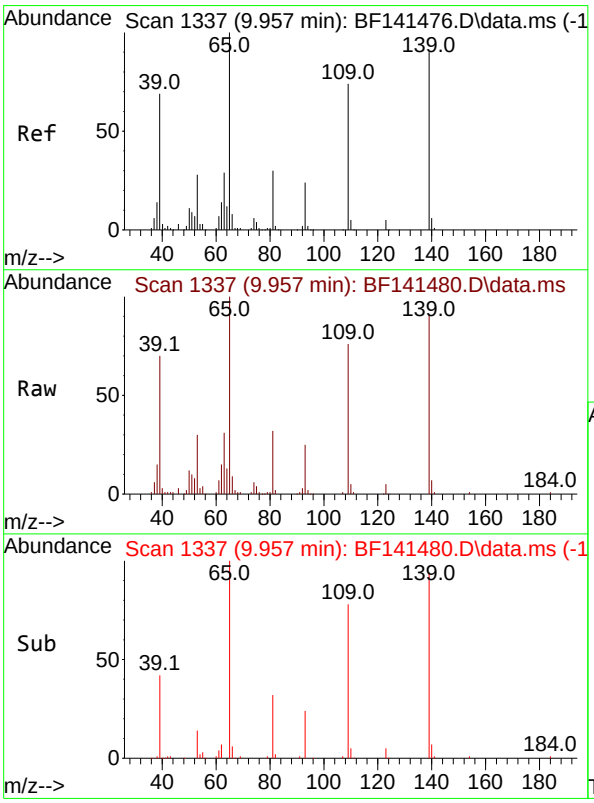
#55
Dibenzofuran
Concen: 39.860 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

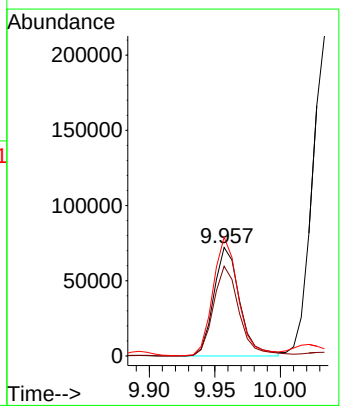


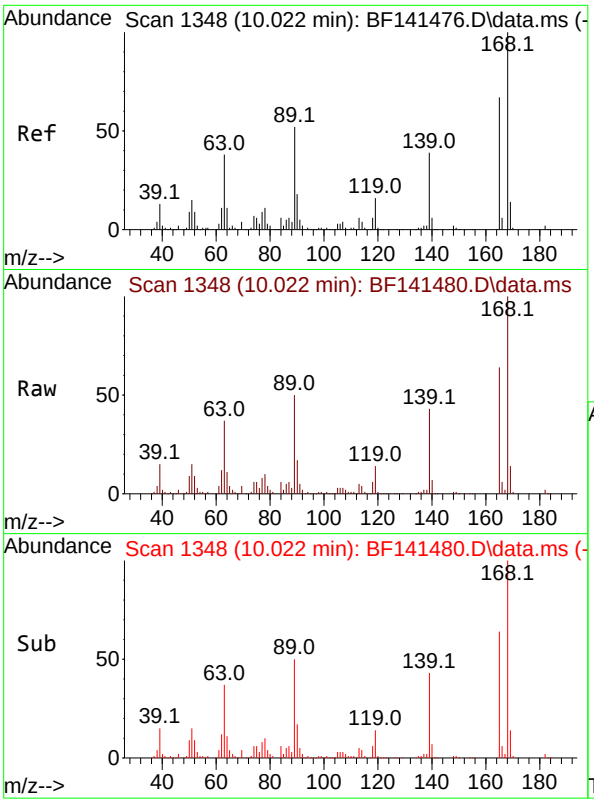


#56
4-Nitrophenol
Concen: 42.166 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



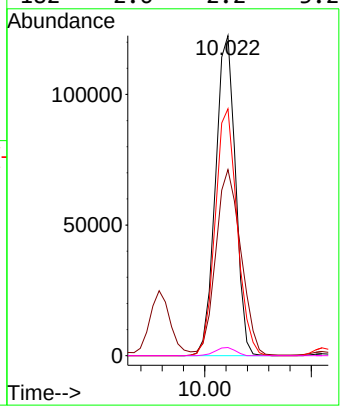


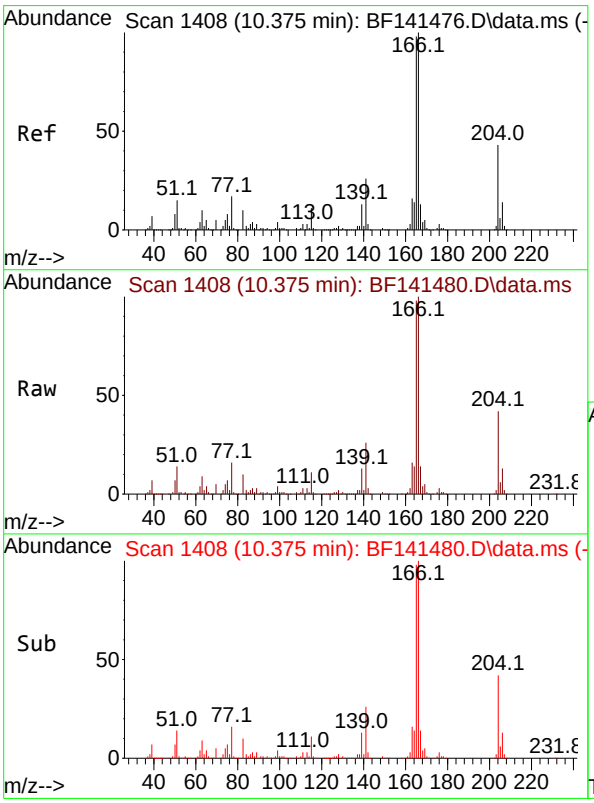
#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

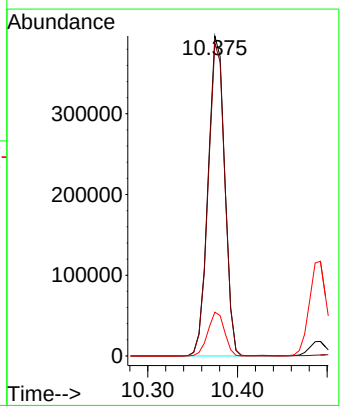


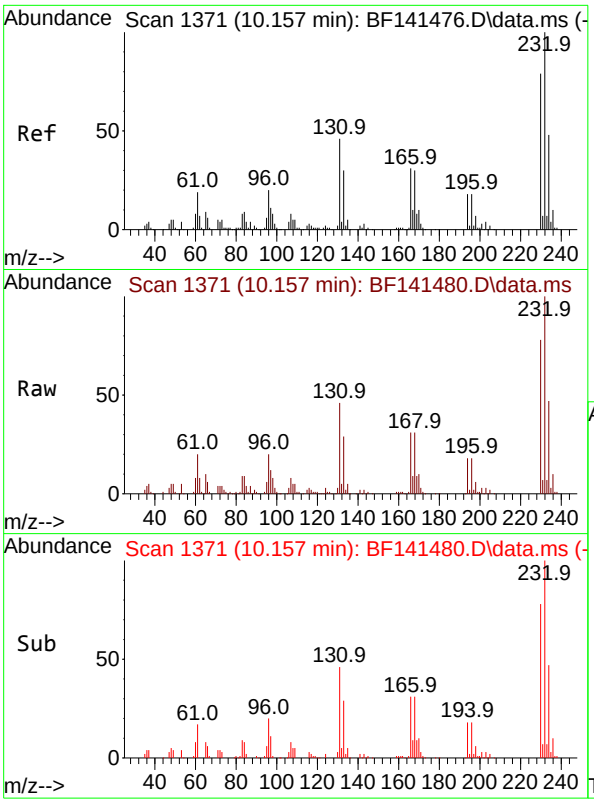


#58
Fluorene
Concen: 39.501 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



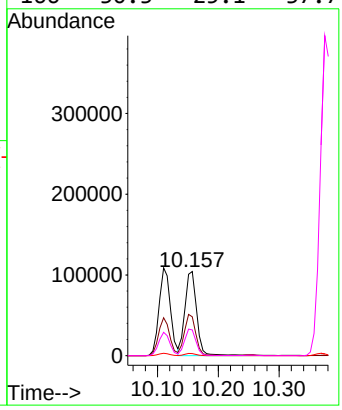


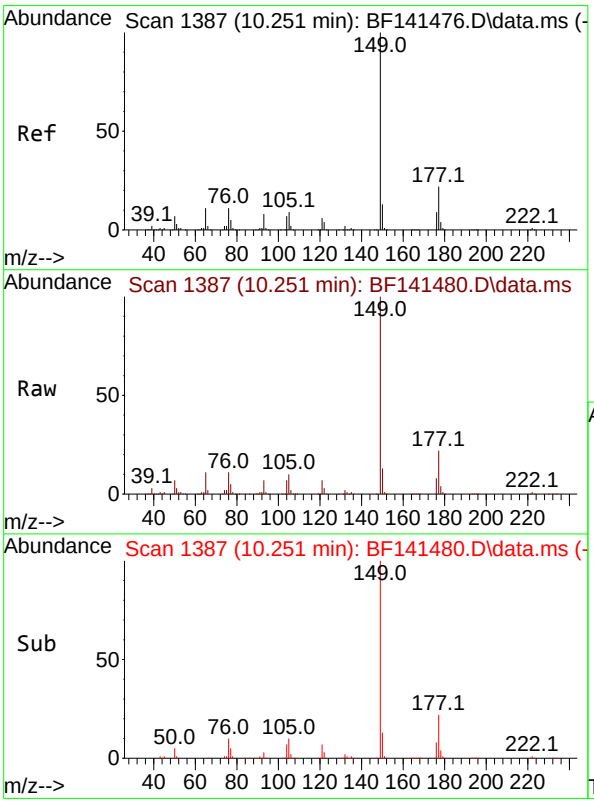
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

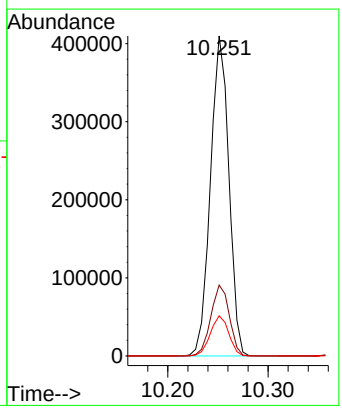


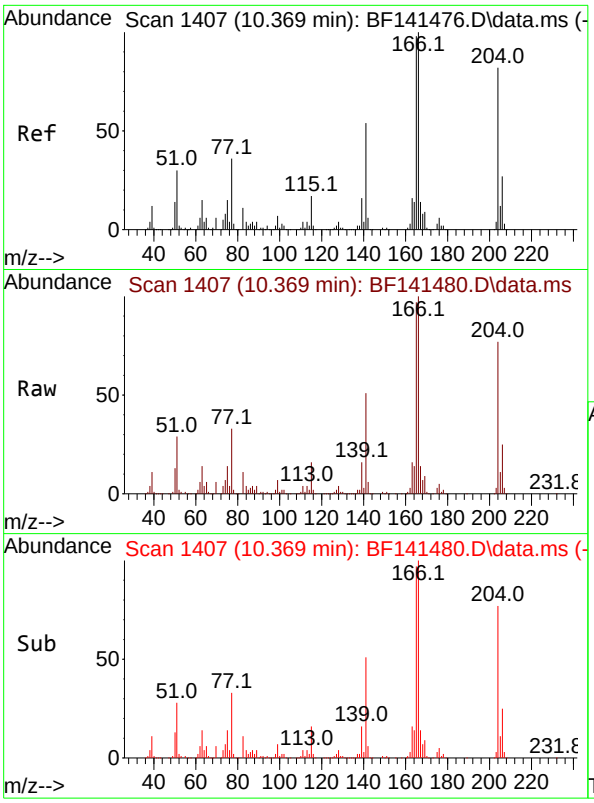


#60
Diethylphthalate
Concen: 39.467 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



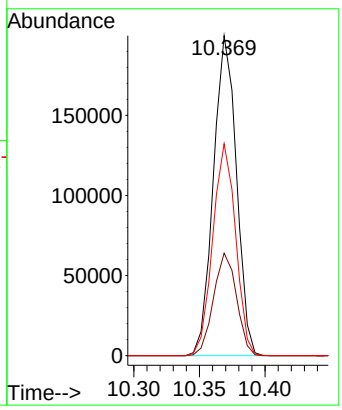


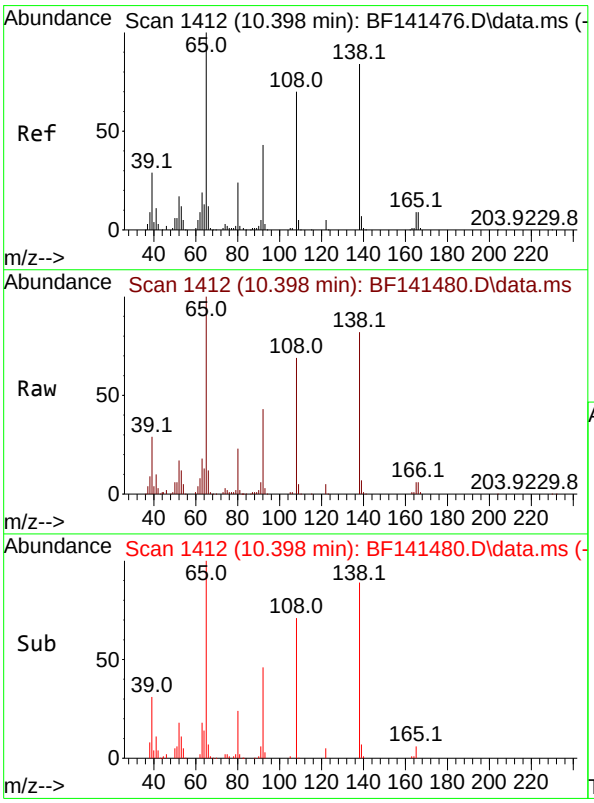
#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

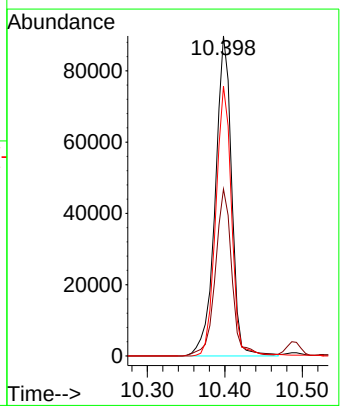


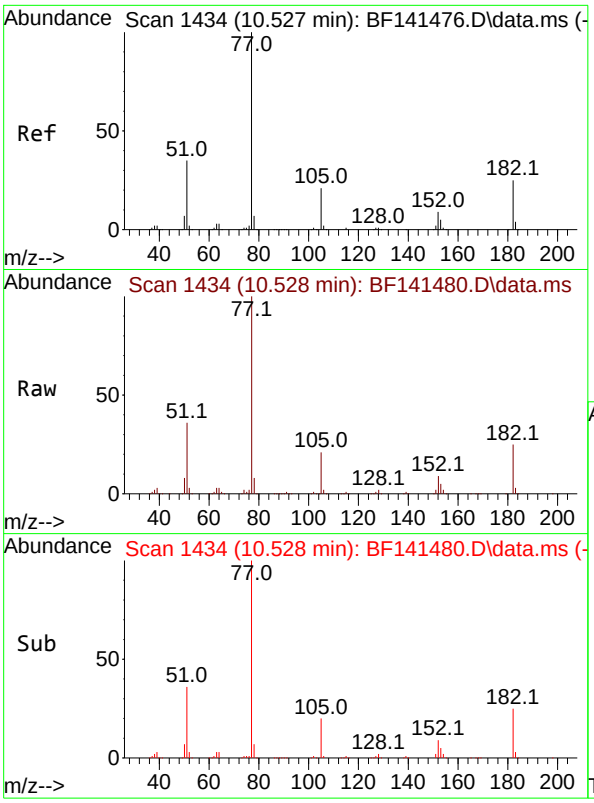


#62
4-Nitroaniline
Concen: 41.124 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



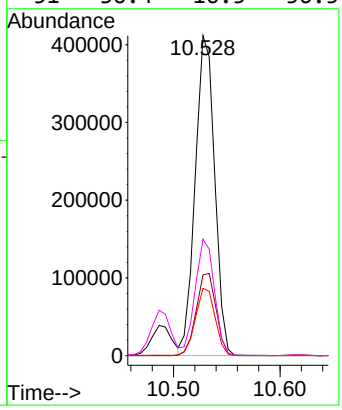


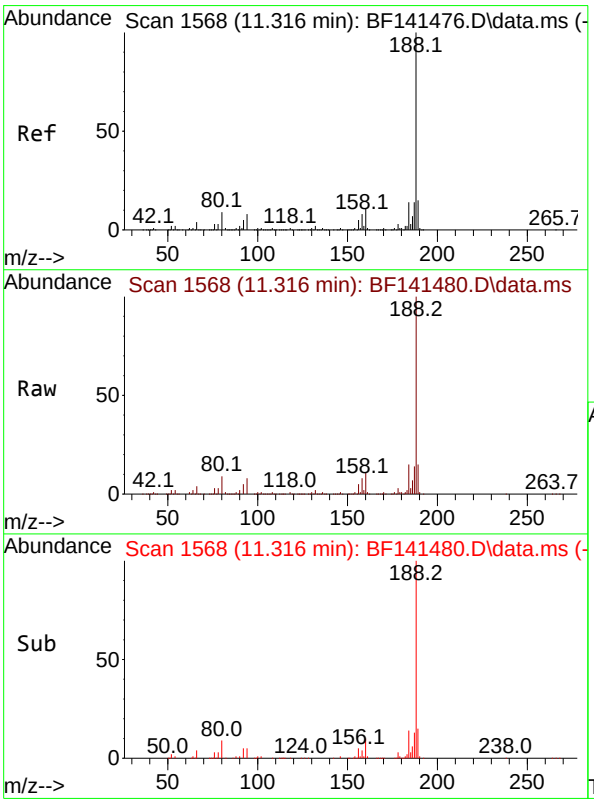
#63
Azobenzene
Concen: 39.759 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

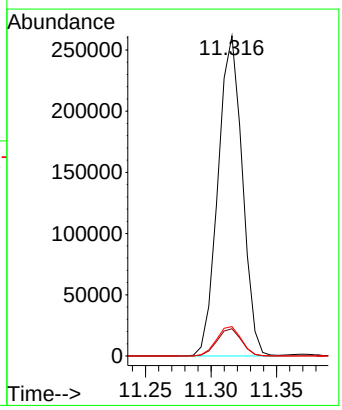


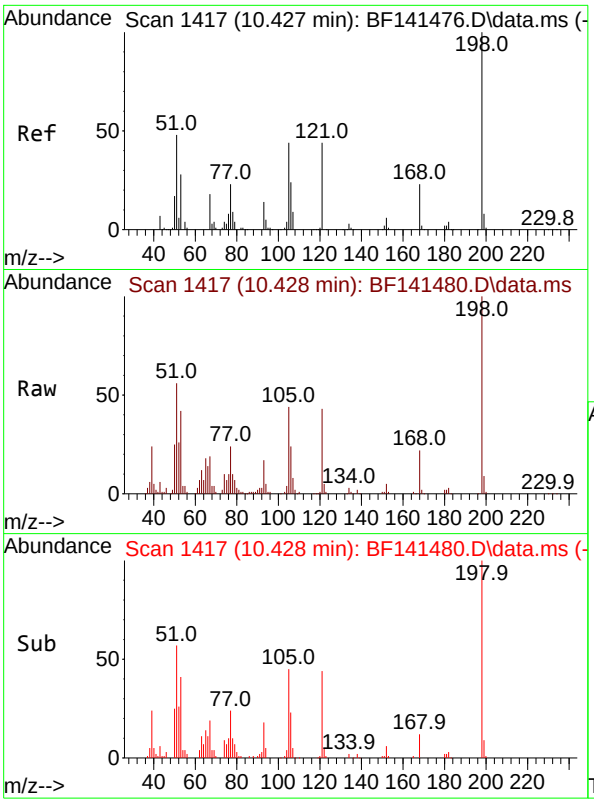


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



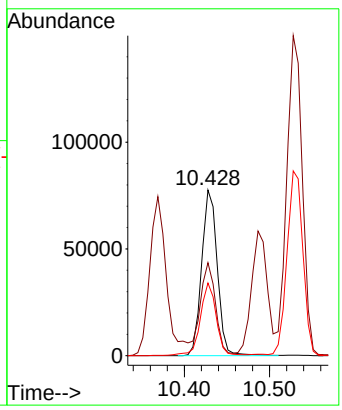


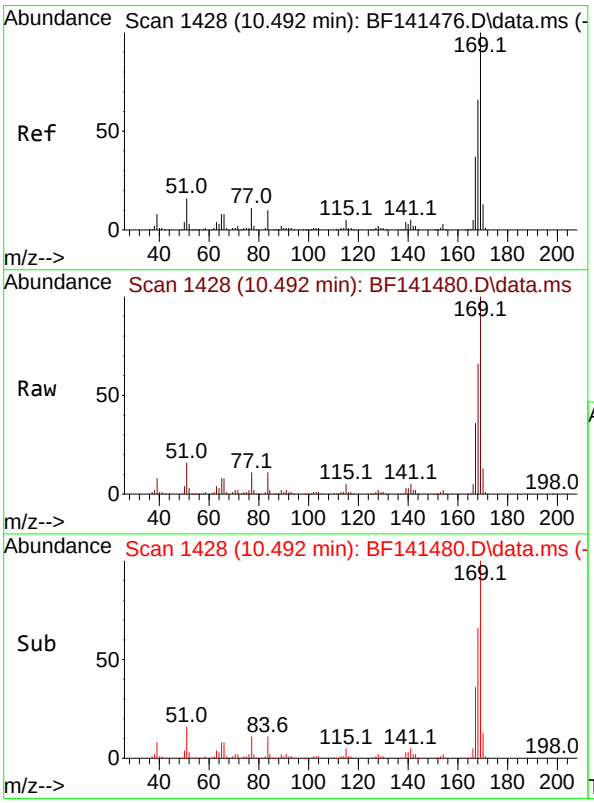
#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

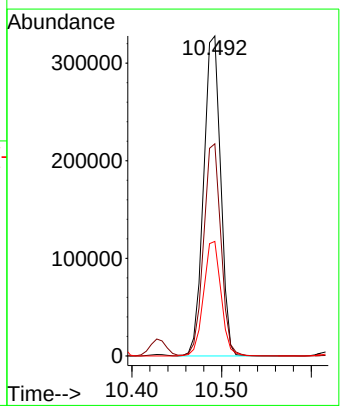


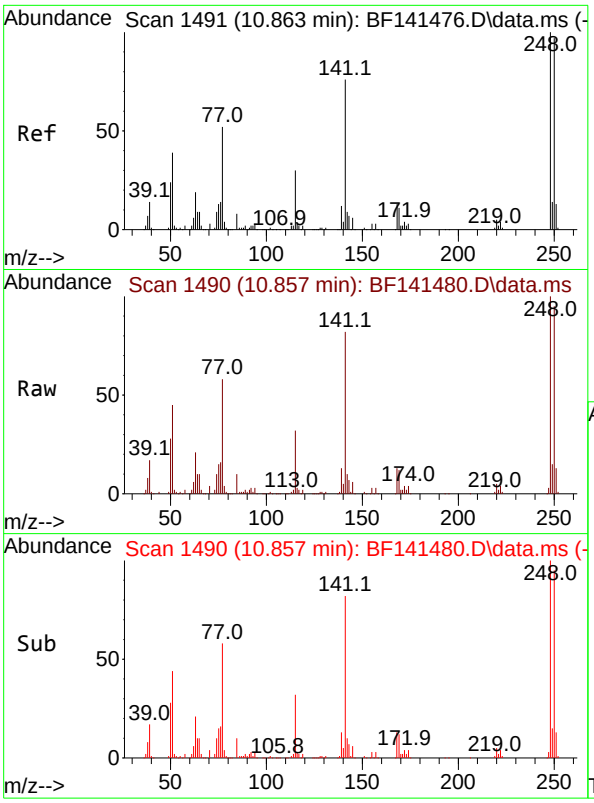


#66
n-Nitrosodiphenylamine
Concen: 40.040 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



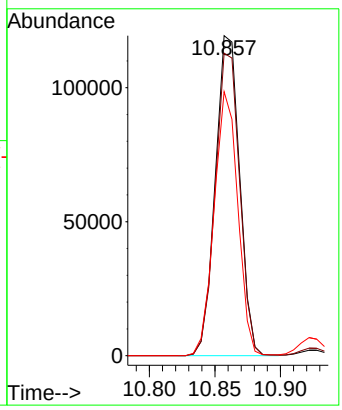


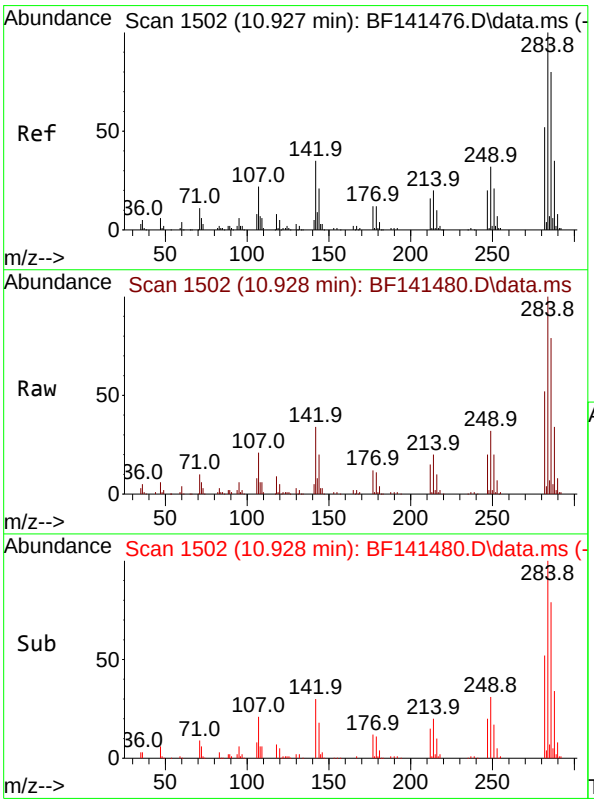
#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

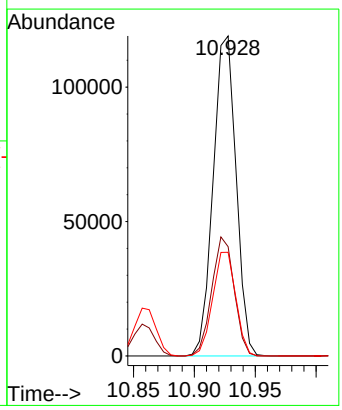


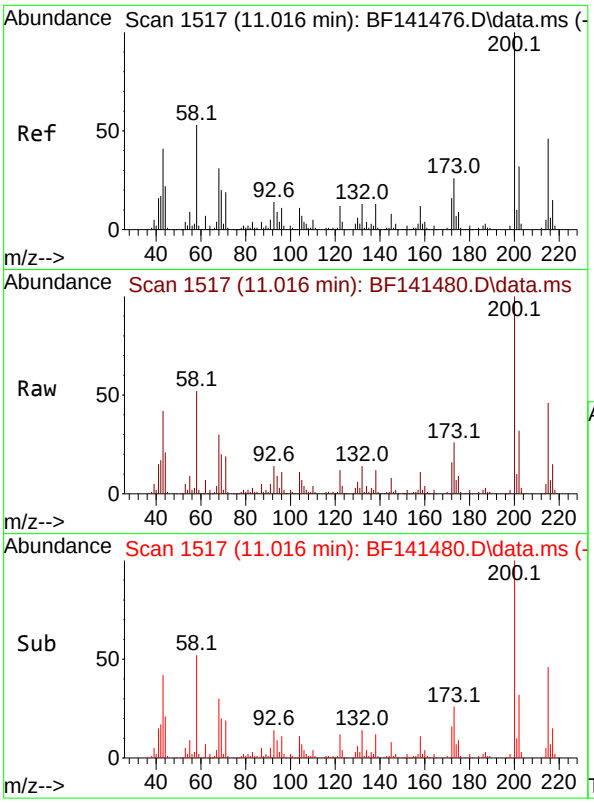


#68
Hexachlorobenzene
Concen: 40.208 ng
RT: 10.928 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



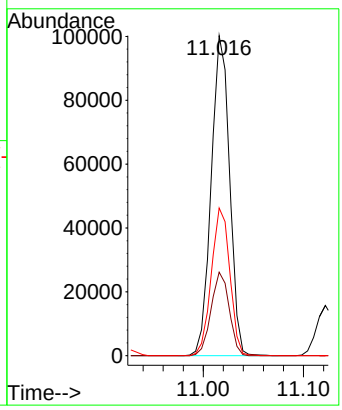


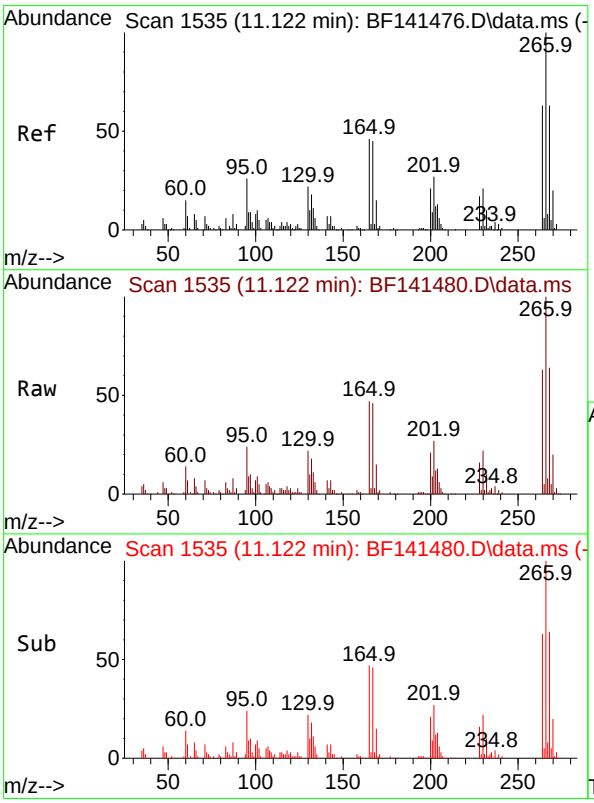
#69
Atrazine
Concen: 39.358 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

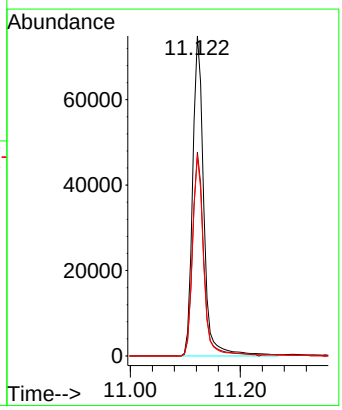


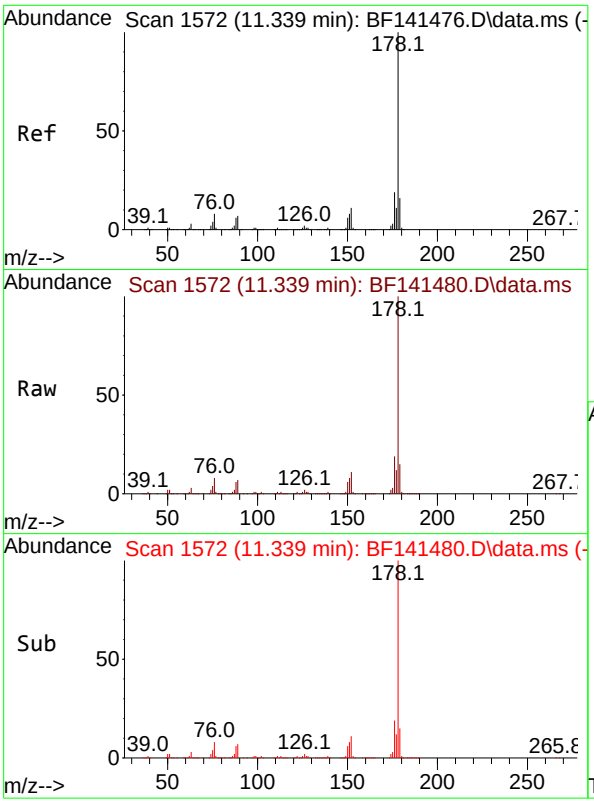


#70
Pentachlorophenol
Concen: 42.476 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



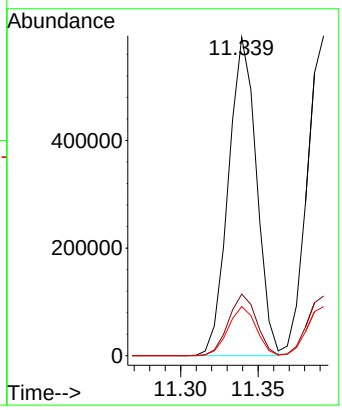


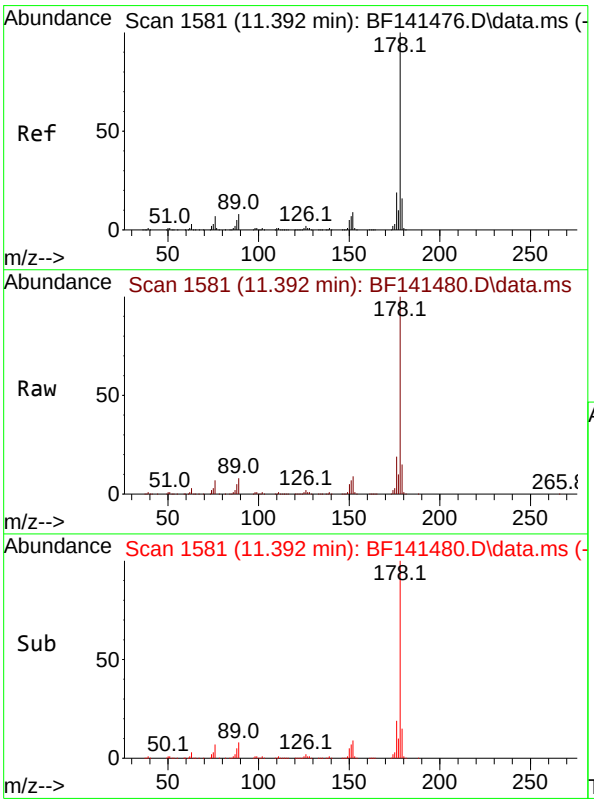
#71
Phenanthrene
Concen: 40.114 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

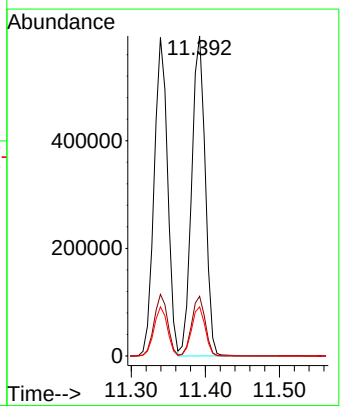


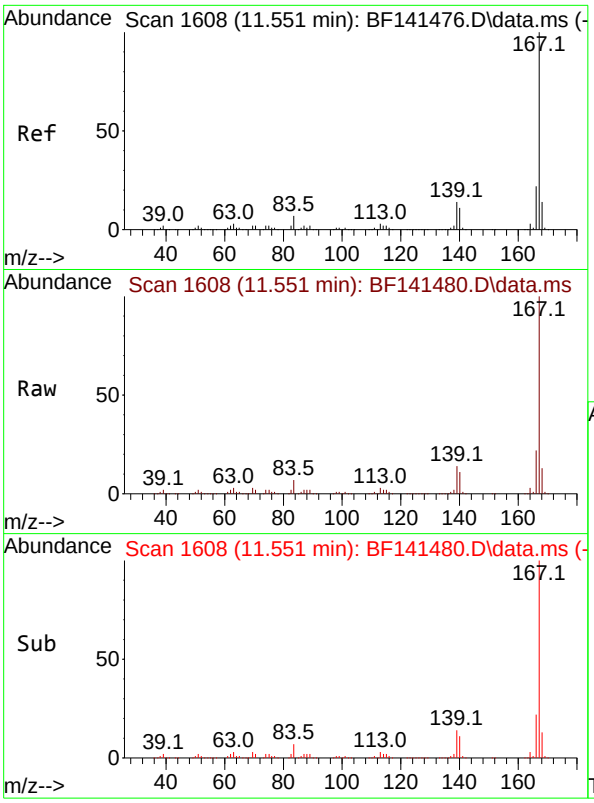


#72
Anthracene
Concen: 40.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



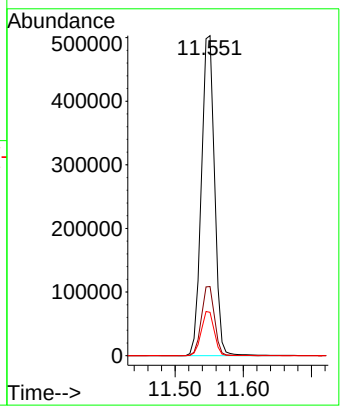


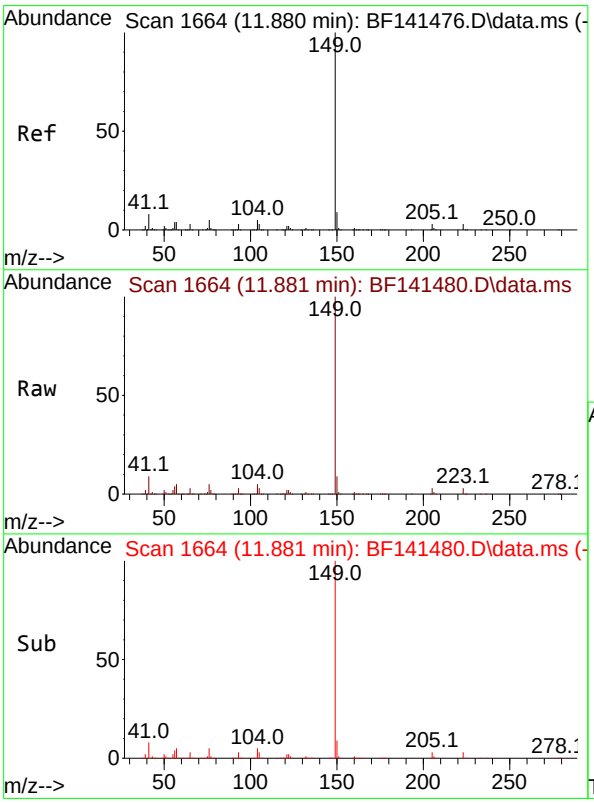
#73
Carbazole
Concen: 40.267 ng
RT: 11.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

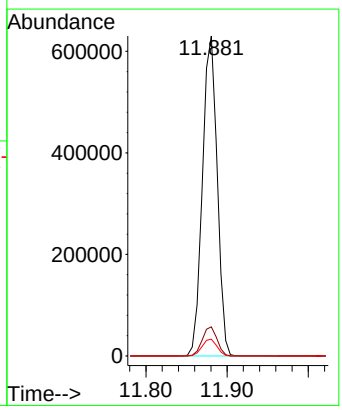


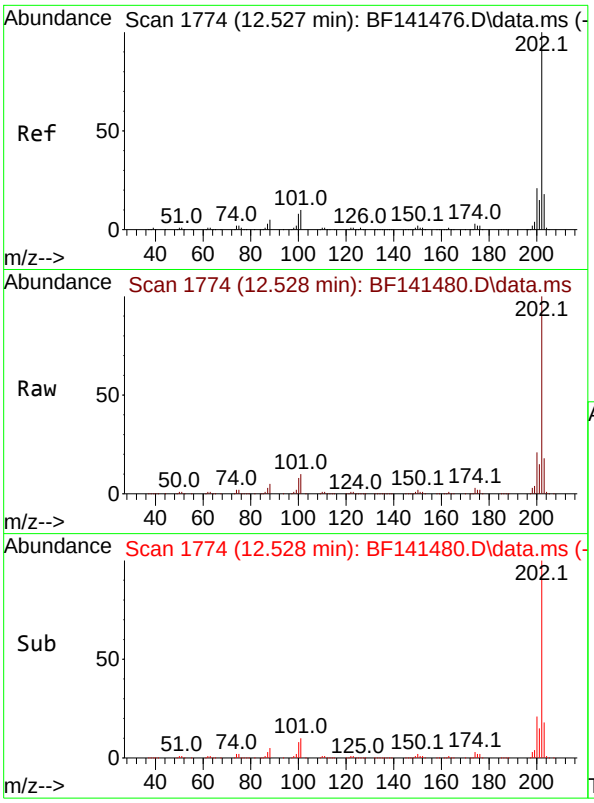


#74
Di-n-butylphthalate
Concen: 40.953 ng
RT: 11.881 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



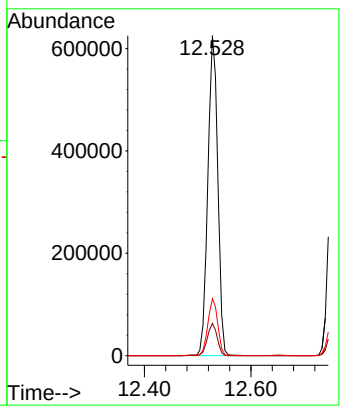


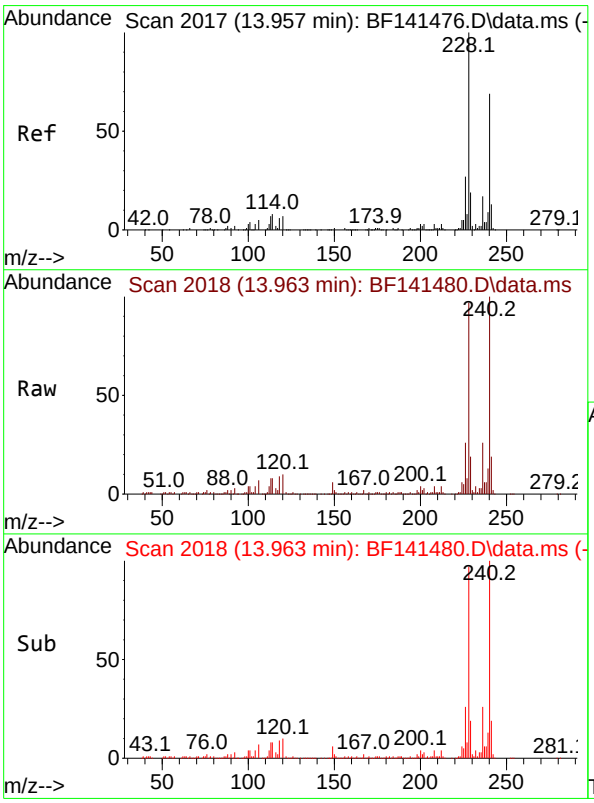
#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

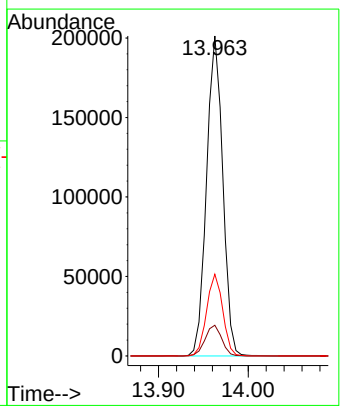


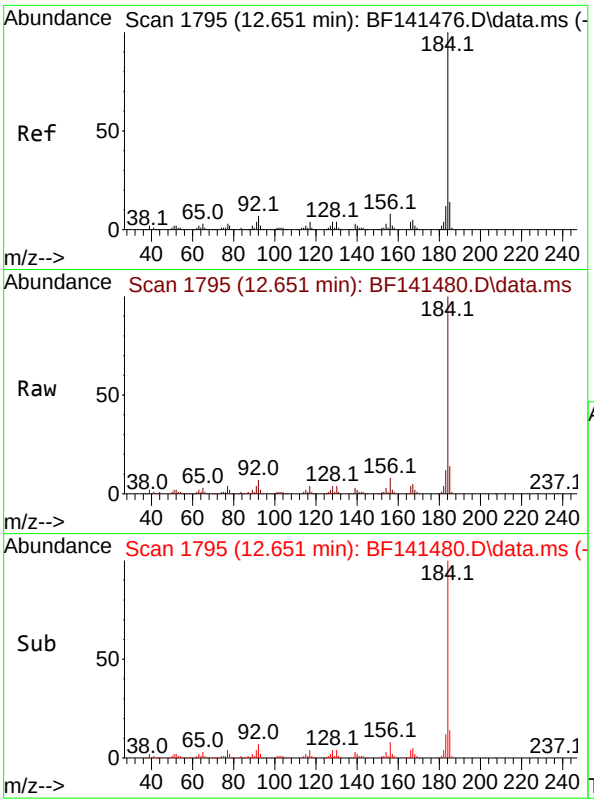


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



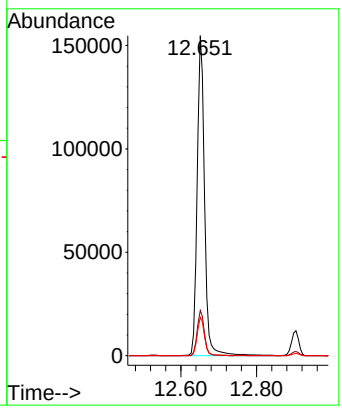


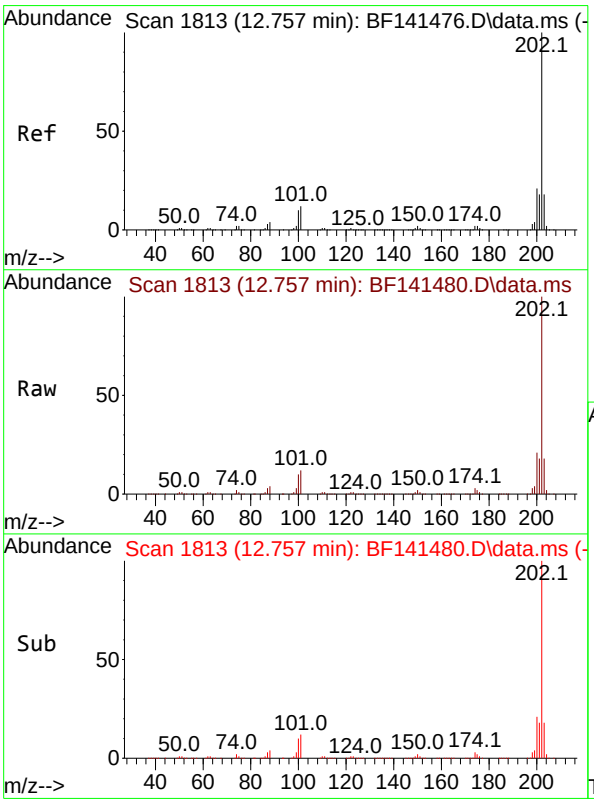
#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

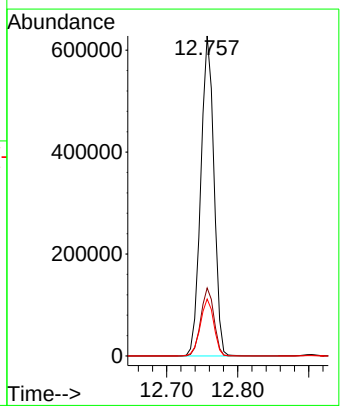


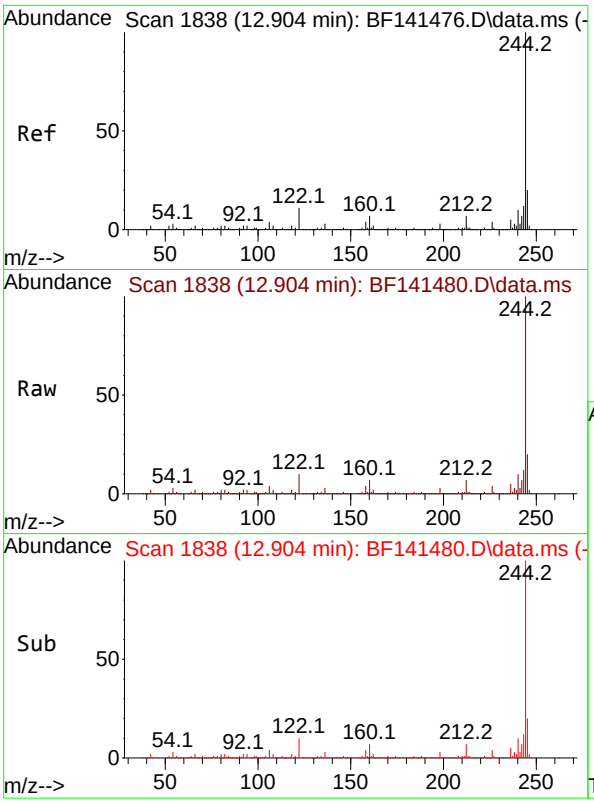


#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



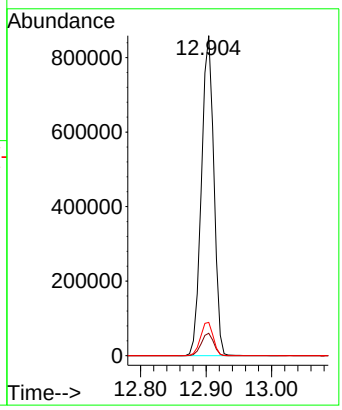


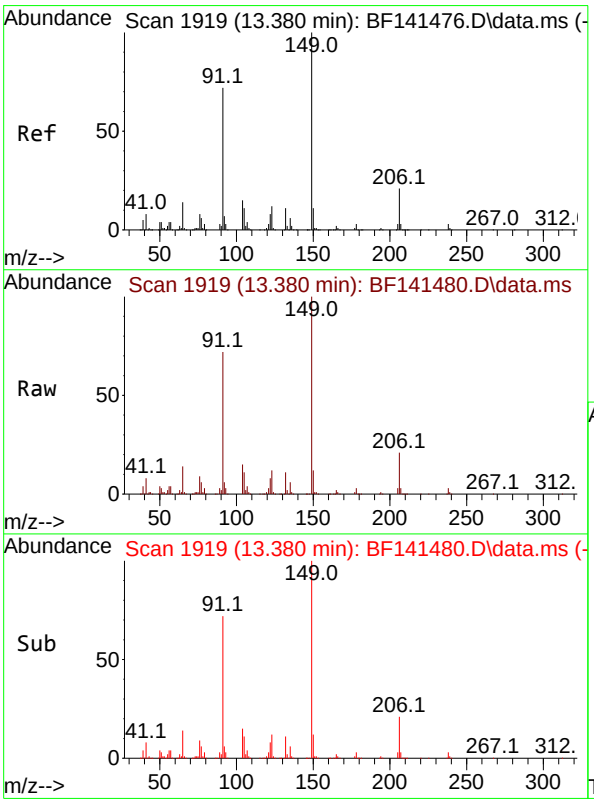
#79
Terphenyl-d14
Concen: 75.750 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

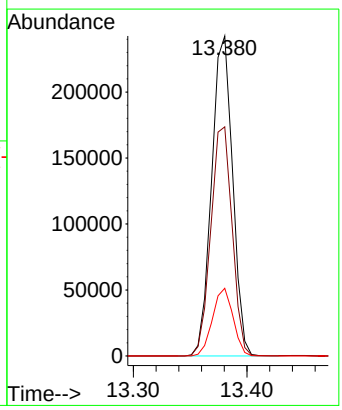


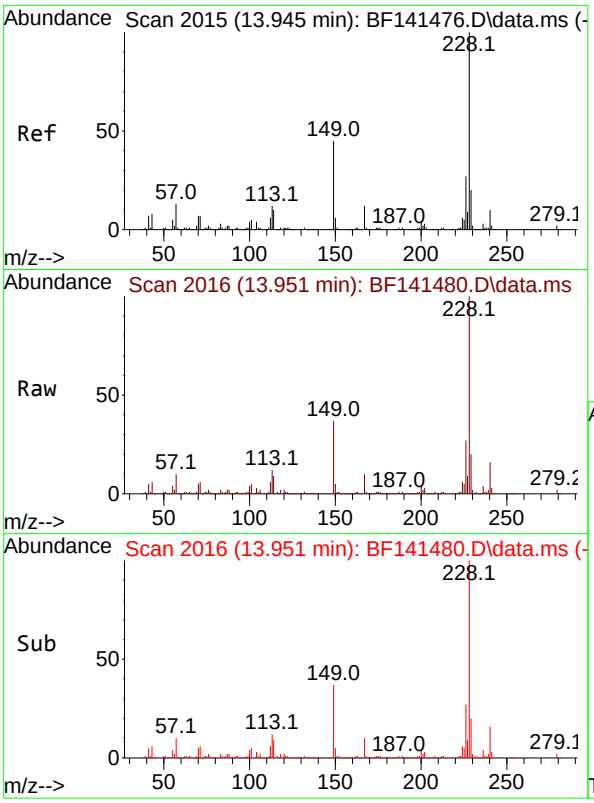


#80
Butylbenzylphthalate
Concen: 41.781 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



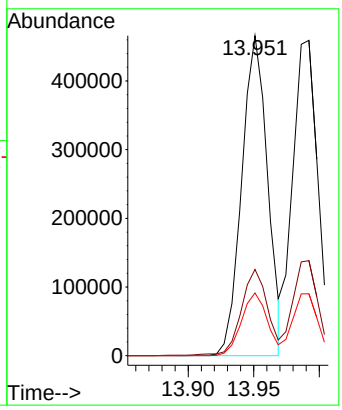


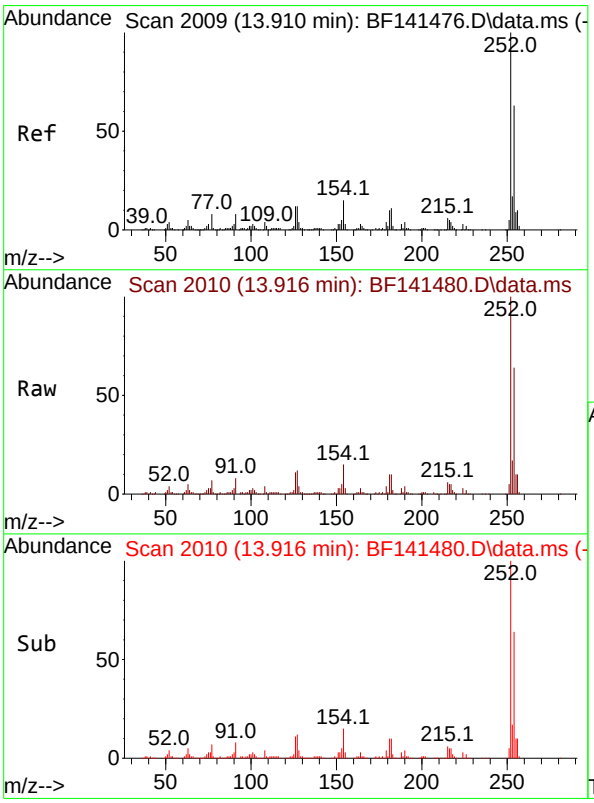
#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

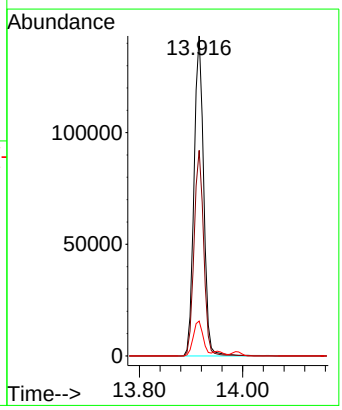


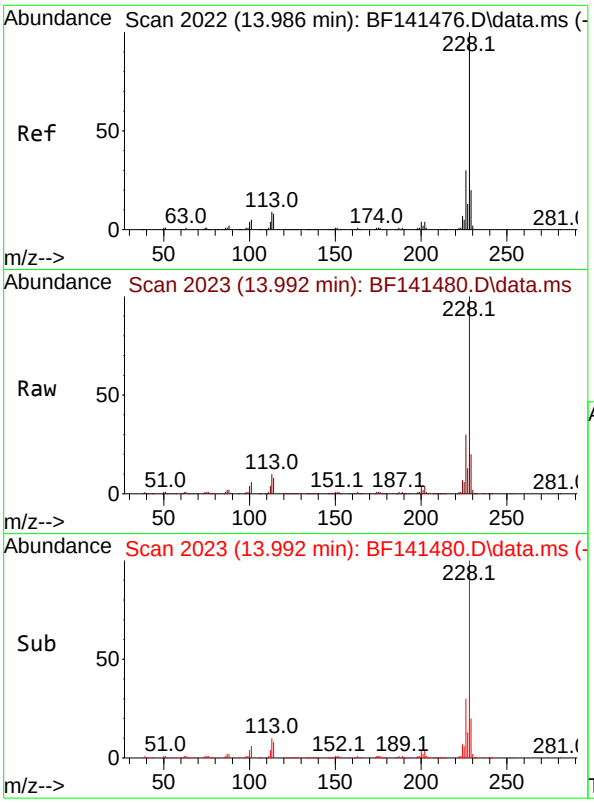


#82
3,3'-Dichlorobenzidine
Concen: 38.608 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



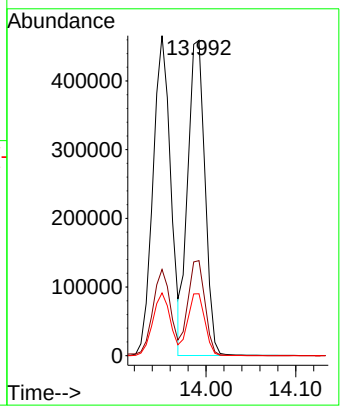


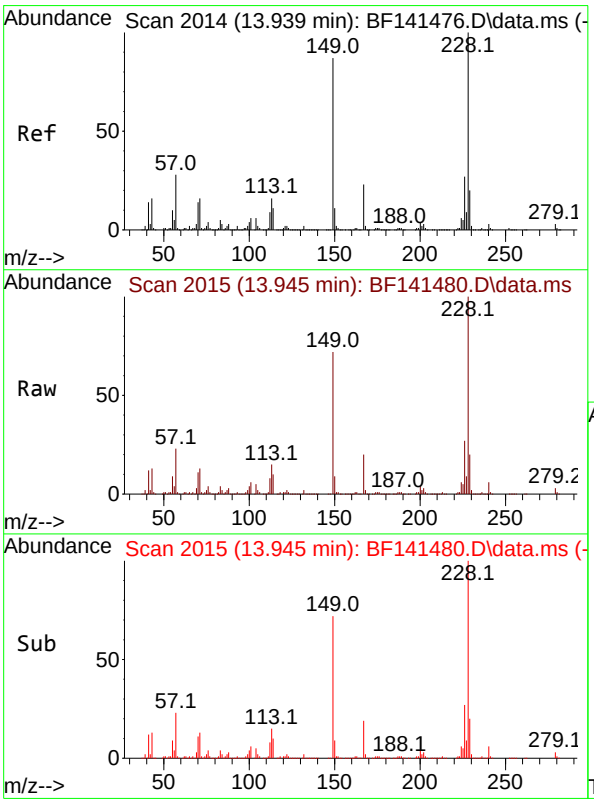
#83
Chrysene
Concen: 39.361 ng
RT: 13.992 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

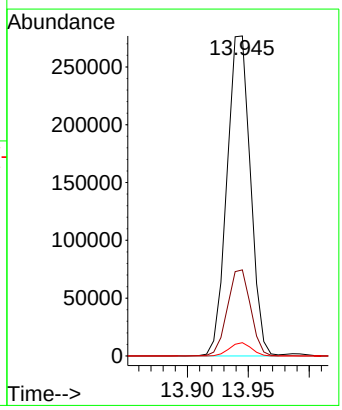


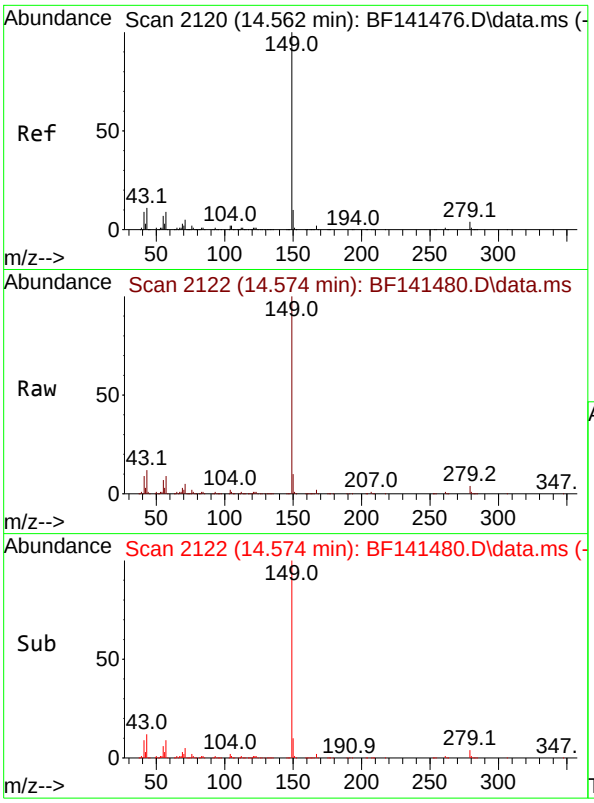


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.229 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



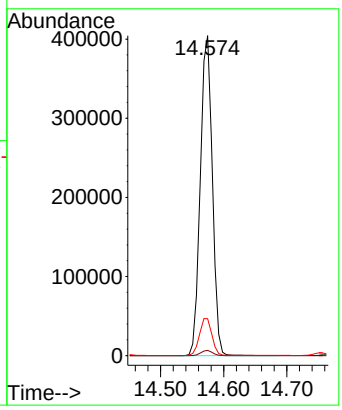


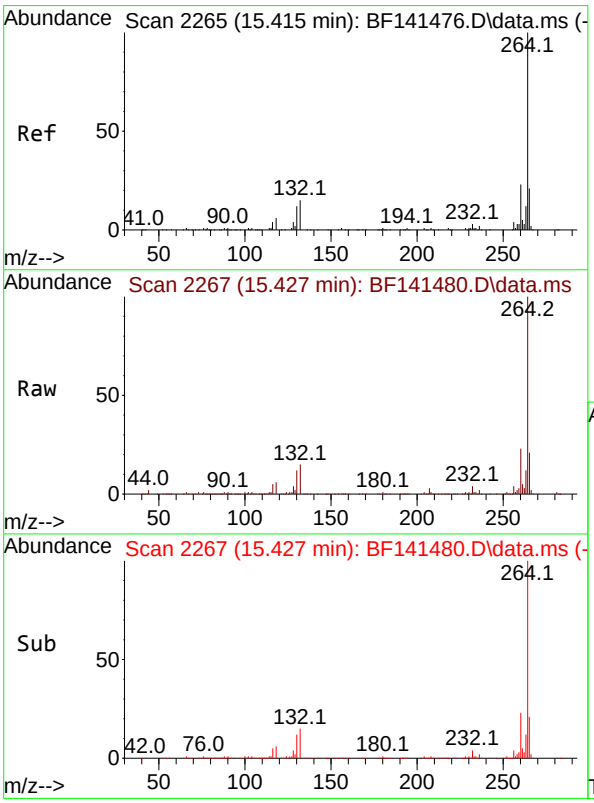
#85
Di-n-octyl phthalate
Concen: 44.652 ng
RT: 14.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

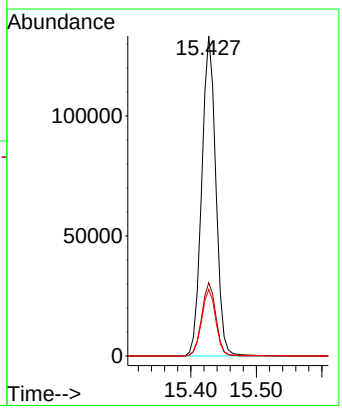


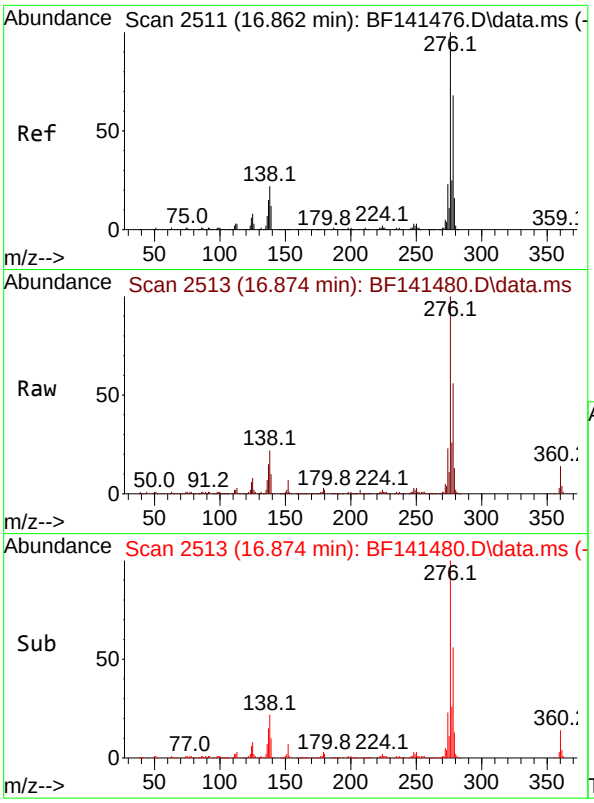


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



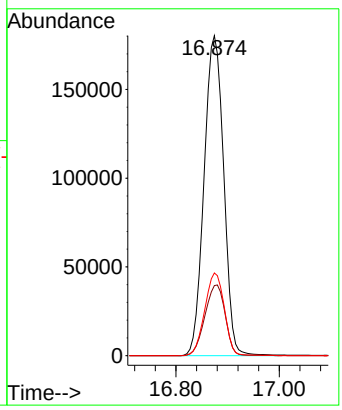


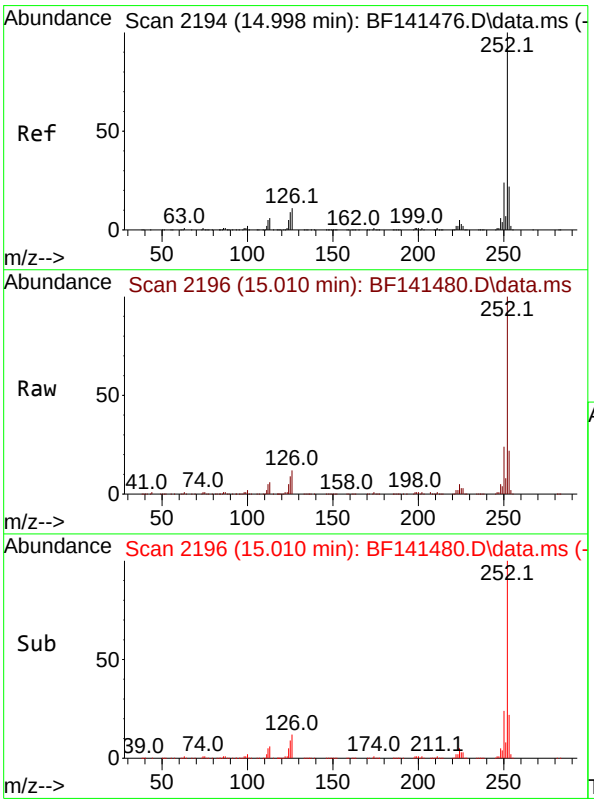
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.551 ng
RT: 16.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

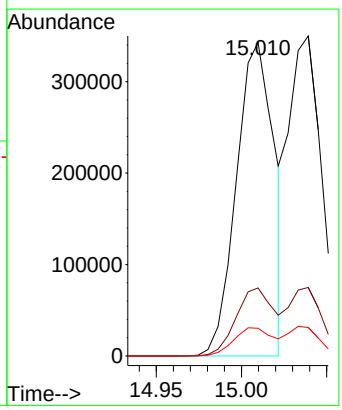


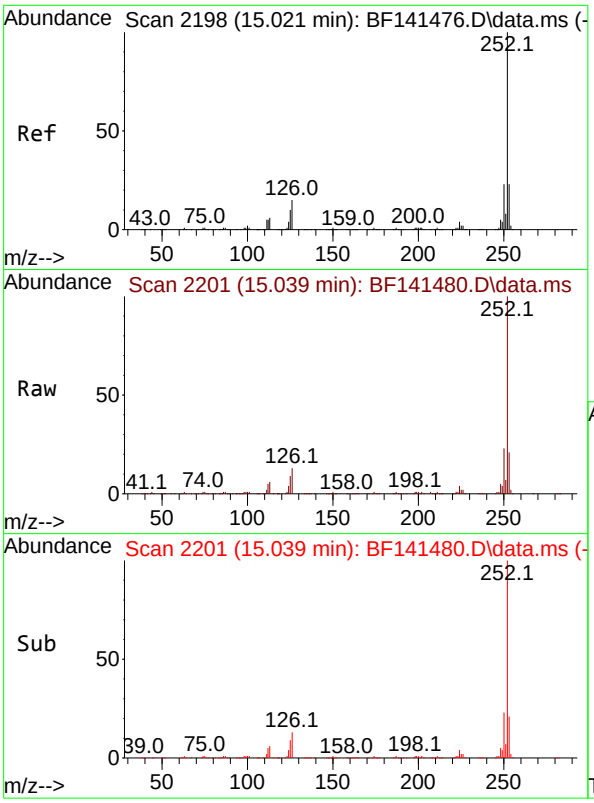


#88
Benzo(b)fluoranthene
Concen: 39.352 ng
RT: 15.010 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



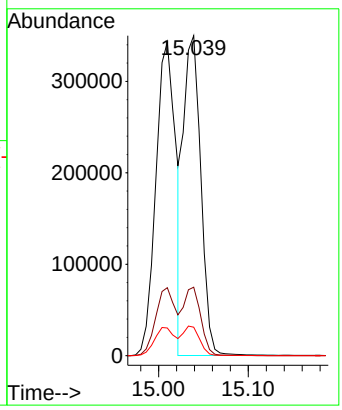


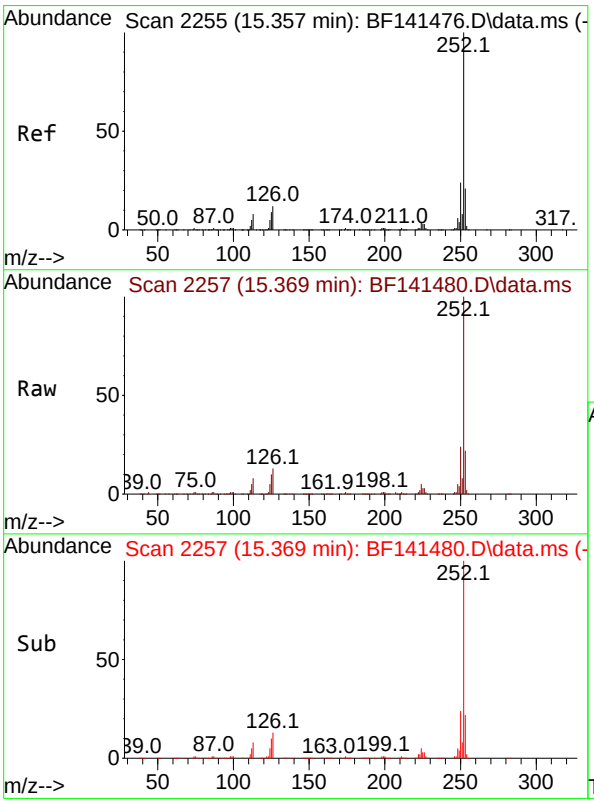
#89
Benzo(k)fluoranthene
Concen: 41.182 ng
RT: 15.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

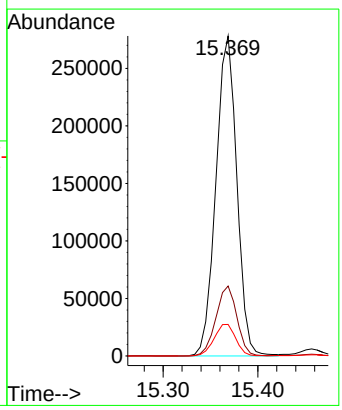


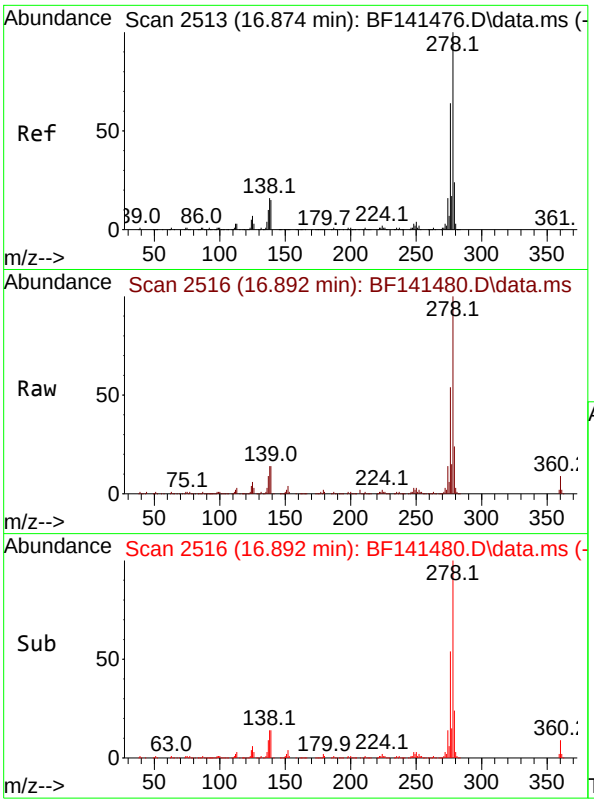


#90
Benzo(a)pyrene
Concen: 39.459 ng
RT: 15.369 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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



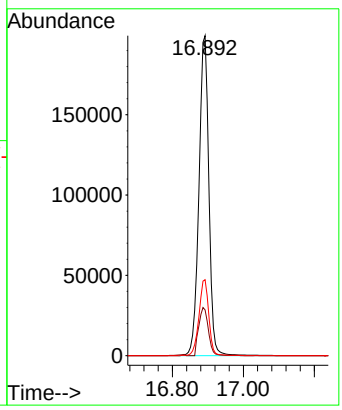


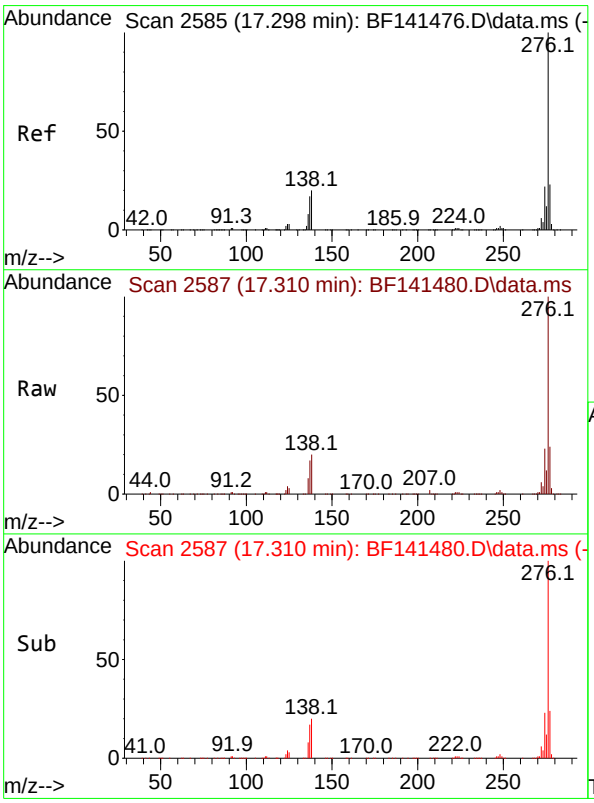
#91
Dibenzo(a,h)anthracene
Concen: 38.870 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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

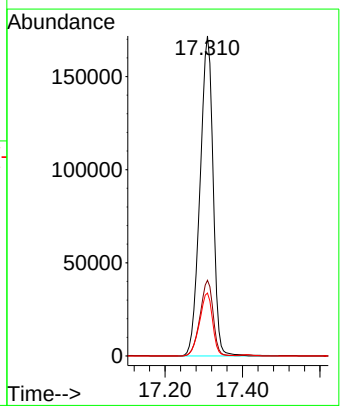




#92
Benzo(g,h,i)perylene
Concen: 38.536 ng
RT: 17.310 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

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
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)
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
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)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG No.: Q1383

Instrument ID: BNA_F Calibration Date/Time: 02/19/2025 12:47

Lab File ID: BF141671.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	1.268		-0.6	
Phenol-d6	1.612	1.516		-6.0	
Nitrobenzene-d5	0.383	0.376		-1.8	
Naphthalene	1.041	1.031		-1.0	
2-Methylnaphthalene	0.677	0.645		-4.7	
2-Fluorobiphenyl	1.298	1.297		-0.1	
Acenaphthylene	1.705	1.672		-1.9	
Acenaphthene	1.147	1.117		-2.6	20.0
Fluorene	1.301	1.226		-5.8	
2,4,6-Tribromophenol	0.201	0.184		-8.5	
Phenanthrene	1.101	1.096		-0.5	
Anthracene	1.107	1.097		-0.9	
Fluoranthene	1.167	1.008		-13.6	20.0
Pyrene	1.703	1.635		-4.0	
Terphenyl-d14	1.185	1.112		-6.2	
Benzo(a)anthracene	1.329	1.308		-1.6	
Chrysene	1.228	1.230		0.2	
Benzo(b)fluoranthene	1.343	1.306		-2.8	
Benzo(k)fluoranthene	1.147	0.989		-13.8	
Benzo(a)pyrene	1.087	1.087		0.0	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.454		17.6	
Dibenzo(a,h)anthracene	1.001	1.184		18.3	
Benzo(g,h,i)perylene	1.048	1.265		20.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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	6.781	152	144854	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	529423	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	263870	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	393121	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	243707	20.000	ng	-0.02
86) Perylene-d12	15.386	264	298525	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	734914	79.539	ng	0.00
7) Phenol-d6	6.434	99	878157	75.197	ng	0.00
23) Nitrobenzene-d5	7.351	82	795491	78.371	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	193953	73.171	ng	-0.02
45) 2-Fluorobiphenyl	9.140	172	1368805	79.920	ng	-0.01
79) Terphenyl-d14	12.886	244	1083904	75.083	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.458	88	147481	39.659	ng	97
3) Pyridine	3.193	79	354413	40.050	ng	94
4) n-Nitrosodimethylamine	3.158	42	220778	37.679	ng	94
6) Aniline	6.451	93	382794	34.943	ng	84
8) 2-Chlorophenol	6.575	128	390244	39.088	ng	99
9) Benzaldehyde	6.334	77	272949	43.983	ng	99
10) Phenol	6.446	94	451529	37.148	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	360136	39.447	ng	98
12) 1,3-Dichlorobenzene	6.722	146	420158	39.863	ng	98
13) 1,4-Dichlorobenzene	6.804	146	423132	39.292	ng	99
14) 1,2-Dichlorobenzene	6.957	146	391619	39.182	ng	99
15) Benzyl Alcohol	6.934	79	318672	35.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	544720	34.855	ng	79
17) 2-Methylphenol	7.051	107	287643	36.816	ng	96
18) Hexachloroethane	7.293	117	158746	39.831	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	247180	35.385	ng	96
20) 3+4-Methylphenols	7.204	107	355941	35.848	ng	92
22) Acetophenone	7.198	105	511501	38.839	ng	96
24) Nitrobenzene	7.375	77	384365	38.833	ng	97
25) Isophorone	7.610	82	620809	38.358	ng	99
26) 2-Nitrophenol	7.687	139	200452	40.706	ng	94
27) 2,4-Dimethylphenol	7.728	122	229397	39.876	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	407865	39.329	ng	100
29) 2,4-Dichlorophenol	7.934	162	311343	40.056	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	343366	40.567	ng	100
31) Naphthalene	8.087	128	1091589	39.610	ng	100
32) Benzoic acid	7.881	122	211209	35.346	ng	99
33) 4-Chloroaniline	8.145	127	362931	37.720	ng	98
34) Hexachlorobutadiene	8.204	225	210119	41.351	ng	99
35) Caprolactam	8.522	113	84520	35.714	ng	88
36) 4-Chloro-3-methylphenol	8.634	107	323949	37.625	ng	99
37) 2-Methylnaphthalene	8.781	142	682989	38.085	ng	100
38) 1-Methylnaphthalene	8.875	142	657410	37.850	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	324000	42.441	ng	99
41) Hexachlorocyclopentadiene	8.928	237	92505	36.431	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	201362	40.811	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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

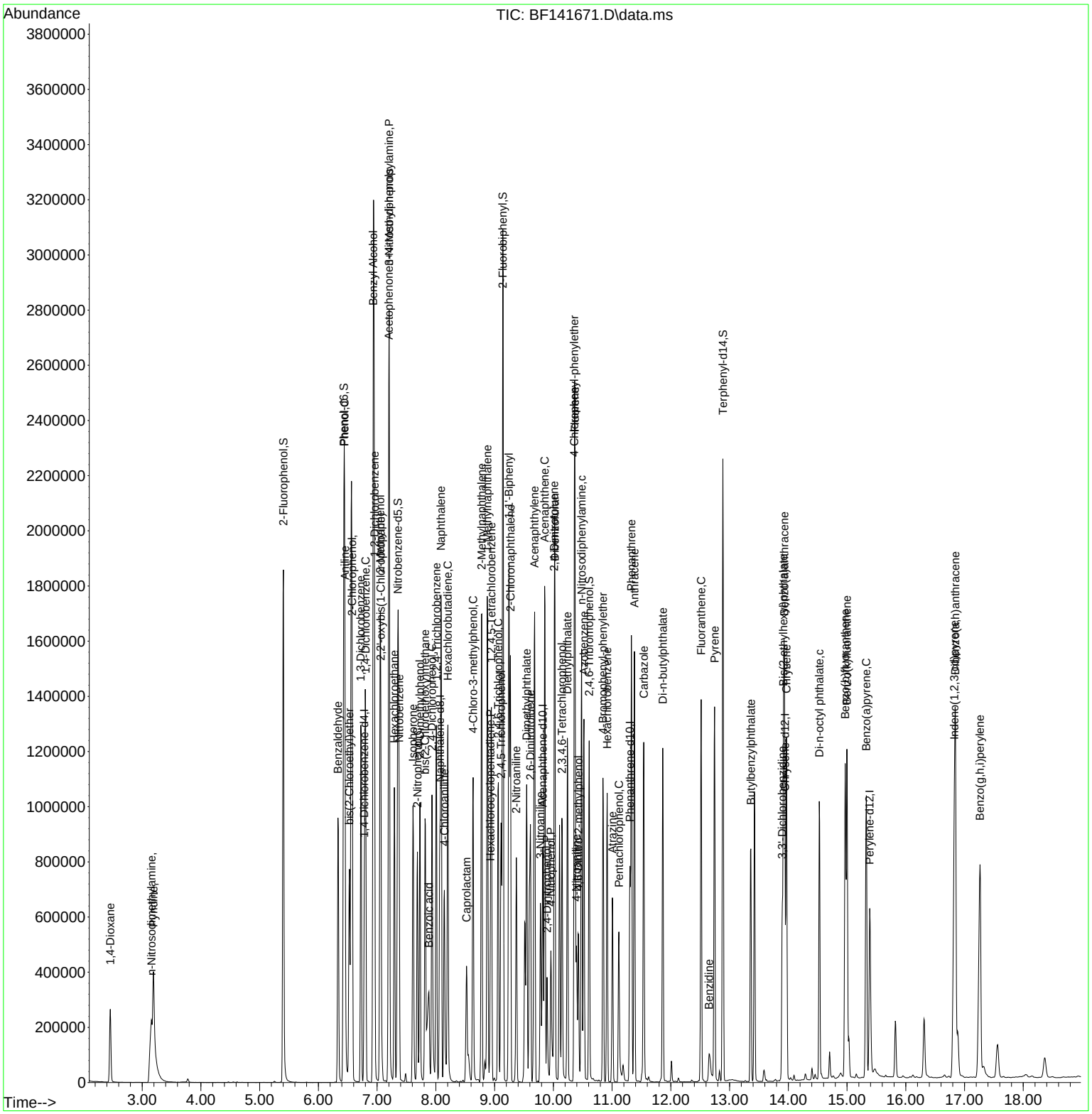
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	217264	40.630	ng	98
46) 1,1'-Biphenyl	9.245	154	833621	40.749	ng	99
47) 2-Chloronaphthalene	9.269	162	620256	41.002	ng	99
48) 2-Nitroaniline	9.369	65	191472	37.715	ng	96
49) Acenaphthylene	9.681	152	882168	39.206	ng	99
50) Dimethylphthalate	9.545	163	698435	38.989	ng	99
51) 2,6-Dinitrotoluene	9.610	165	152459	38.932	ng	98
52) Acenaphthene	9.851	154	589482	38.969	ng	100
53) 3-Nitroaniline	9.781	138	151324	35.903	ng	99
54) 2,4-Dinitrophenol	9.892	184	79940	34.347	ng	93
55) Dibenzofuran	10.028	168	854542	38.487	ng	98
56) 4-Nitrophenol	9.957	139	120076	38.378	ng	92
57) 2,4-Dinitrotoluene	10.016	165	188887	36.233	ng	97
58) Fluorene	10.369	166	646819	37.676	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	172210	37.407	ng	96
60) Diethylphthalate	10.239	149	651471	36.963	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	322608	39.061	ng	99
62) 4-Nitroaniline	10.392	138	125627	29.354	ng	98
63) Azobenzene	10.522	77	654622	37.362	ng	96
65) 4,6-Dinitro-2-methylph...	10.428	198	105784	38.737	ng	93
66) n-Nitrosodiphenylamine	10.481	169	544346	43.256	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	190494	43.357	ng	96
68) Hexachlorobenzene	10.916	284	193174	42.697	ng	99
69) Atrazine	11.004	200	114605	30.357	ng	99
70) Pentachlorophenol	11.116	266	102329	35.372	ng	99
71) Phenanthrene	11.328	178	861878	39.829	ng	99
72) Anthracene	11.381	178	862794	39.663	ng	99
73) Carbazole	11.539	167	727652	37.176	ng	99
74) Di-n-butylphthalate	11.863	149	849687	37.596	ng	100
75) Fluoranthene	12.516	202	792391	34.539	ng	99
77) Benzidine	12.651	184	103965	19.343	ng	100
78) Pyrene	12.745	202	796721	38.403	ng	99
80) Butylbenzylphthalate	13.363	149	278663	38.780	ng	98
81) Benzo(a)anthracene	13.933	228	637454	39.349	ng	100
82) 3,3'-Dichlorobenzidine	13.898	252	196434	42.330	ng	98
83) Chrysene	13.969	228	599411	40.072	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	367321	45.323	ng	99
85) Di-n-octyl phthalate	14.527	149	659013	56.999	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	868109	47.063	ng	99
88) Benzo(b)fluoranthene	14.969	252	779556	38.891	ng	99
89) Benzo(k)fluoranthene	14.998	252	590697	34.511	ng	99
90) Benzo(a)pyrene	15.327	252	648841	40.004	ng	99
91) Dibenzo(a,h)anthracene	16.845	278	707192	47.316	ng	99
92) Benzo(g,h,i)perylene	17.263	276	755000	48.272	ng	99

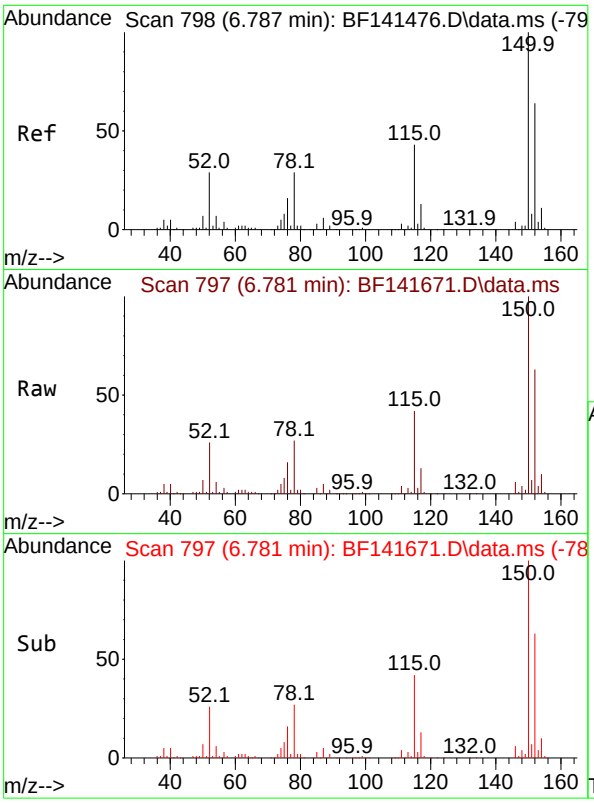
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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



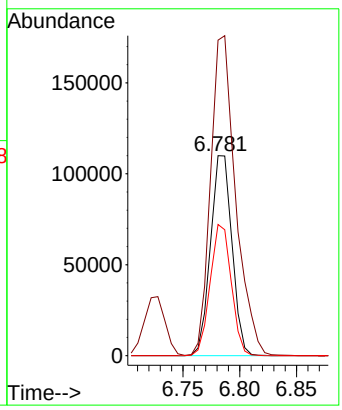


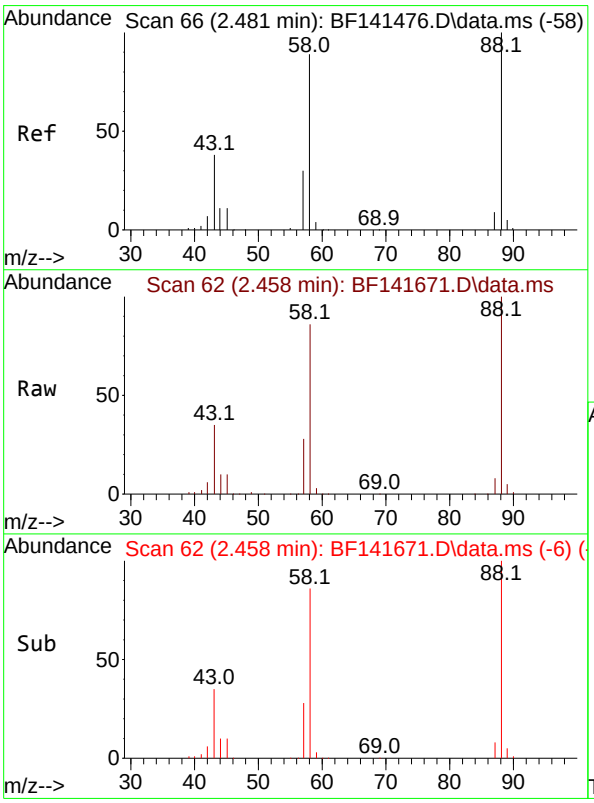
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 144854

Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.0	187.4
115	65.6	53.6	80.4

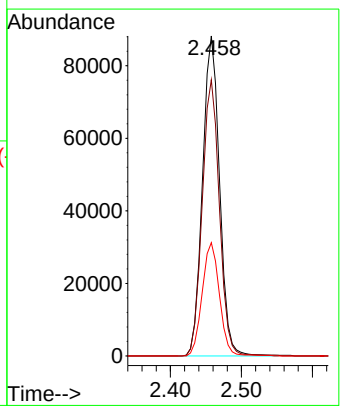


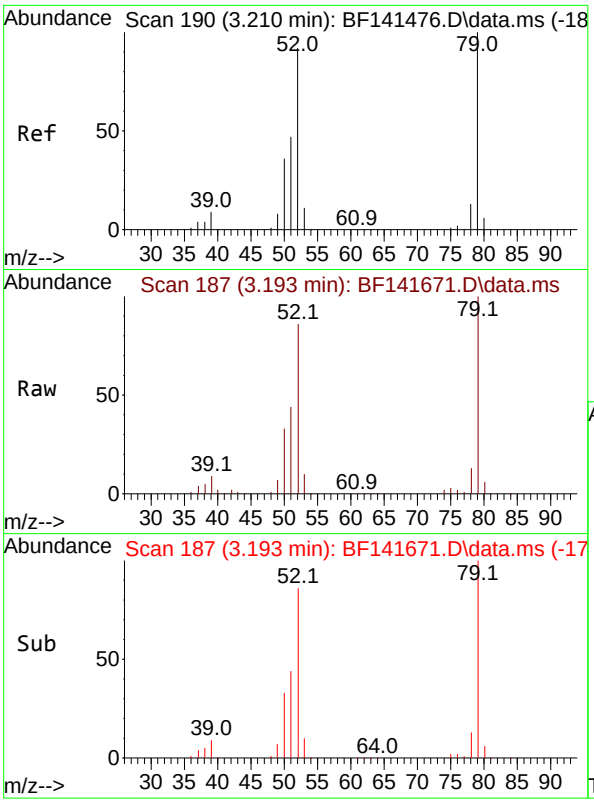


#2
1,4-Dioxane
Concen: 39.659 ng
RT: 2.458 min Scan# 62
Delta R.T. -0.023 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 88 Resp: 147481

Ion	Ratio	Lower	Upper
88	100		
58	86.9	71.1	106.7
43	35.9	30.6	46.0



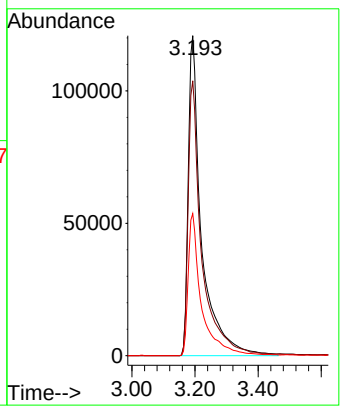


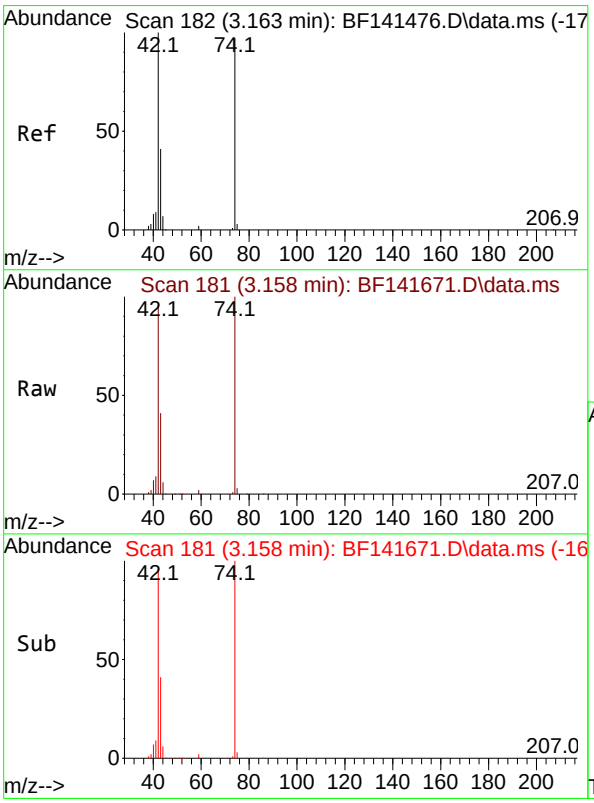
#3
Pyridine
Concen: 40.050 ng
RT: 3.193 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 354413

Ion	Ratio	Lower	Upper
79	100		
52	85.9	73.7	110.5
51	44.4	37.5	56.3

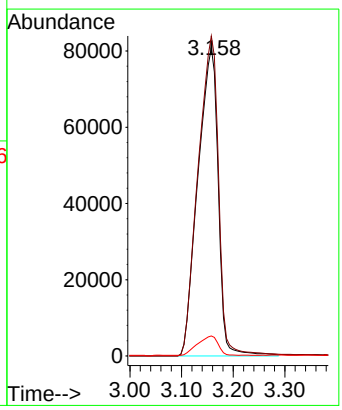


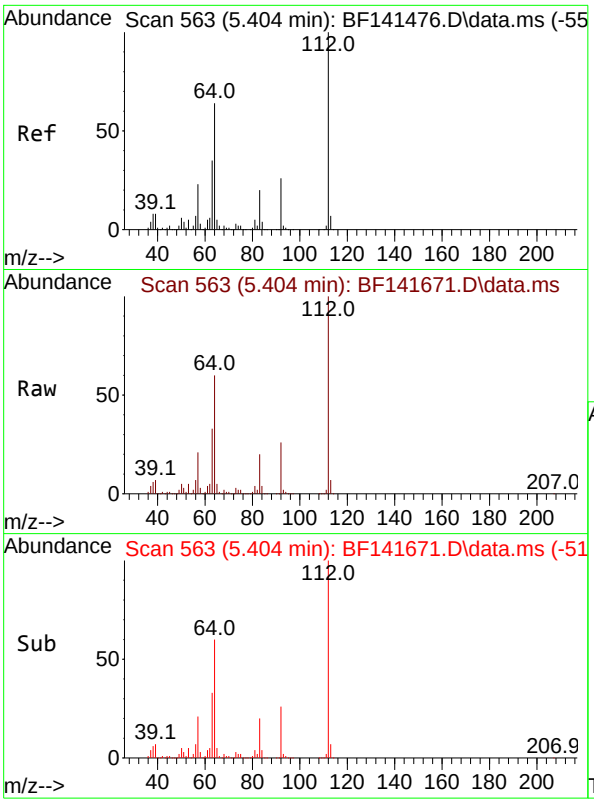


#4
n-Nitrosodimethylamine
Concen: 37.679 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 42 Resp: 220778

Ion	Ratio	Lower	Upper
42	100		
74	103.9	78.0	117.0
44	6.5	5.4	8.2



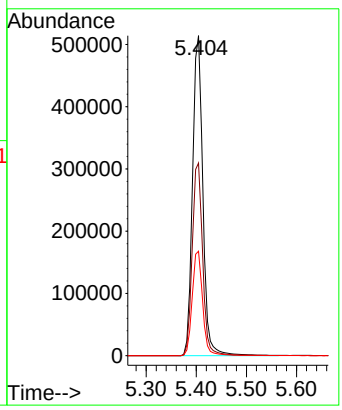


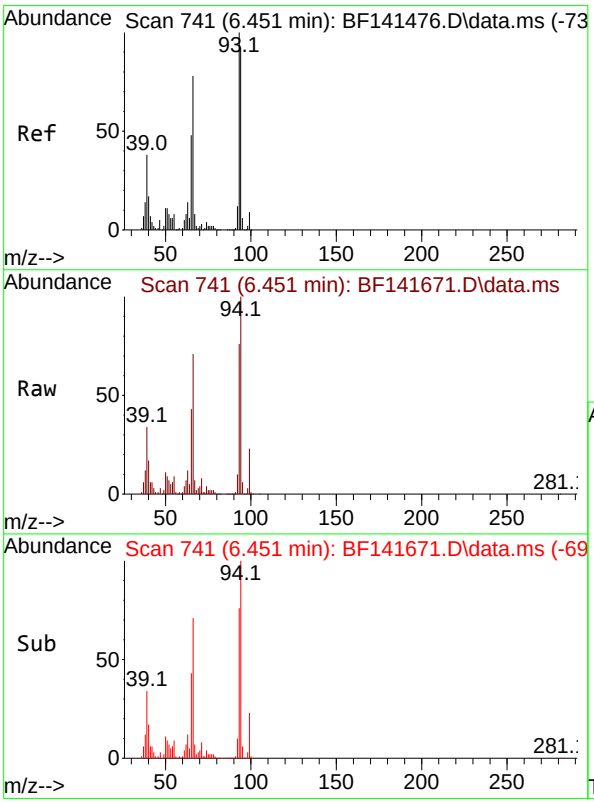
#5
2-Fluorophenol
Concen: 79.539 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 734914

Ion	Ratio	Lower	Upper
112	100		
64	60.2	51.1	76.7
63	32.7	28.4	42.6

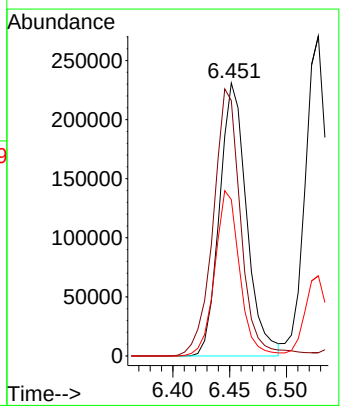


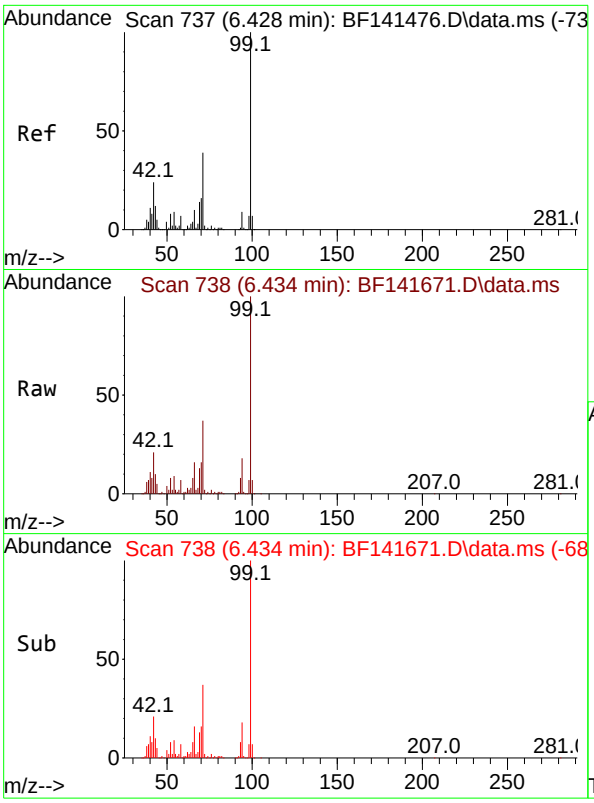


#6
Aniline
Concen: 34.943 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 93 Resp: 382794

Ion	Ratio	Lower	Upper
93	100		
66	93.5	62.6	94.0
65	57.3	38.3	57.5



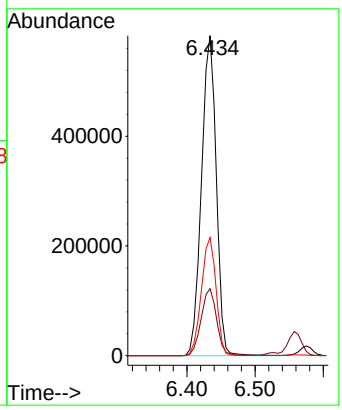


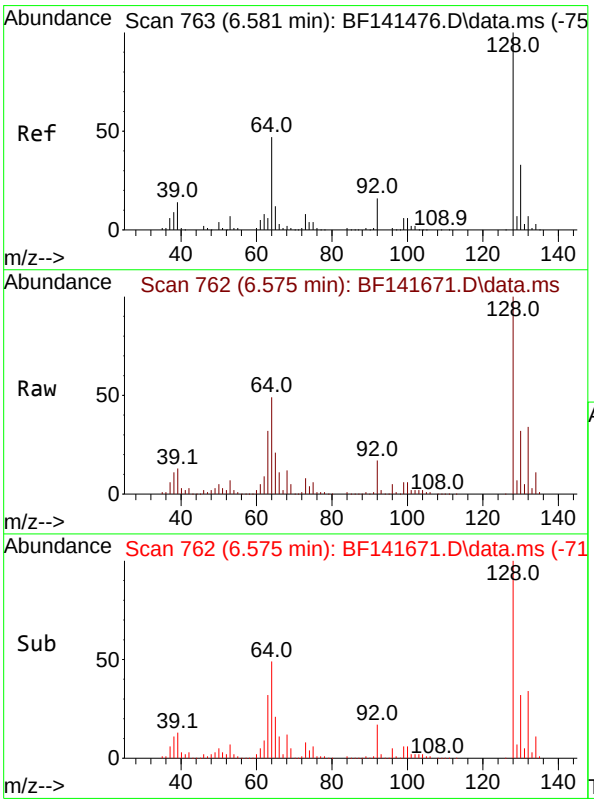
#7
Phenol-d6
Concen: 75.197 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 878157

Ion	Ratio	Lower	Upper
99	100		
42	21.0	19.1	28.7
71	36.9	31.1	46.7

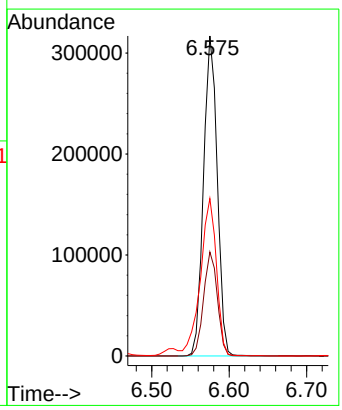


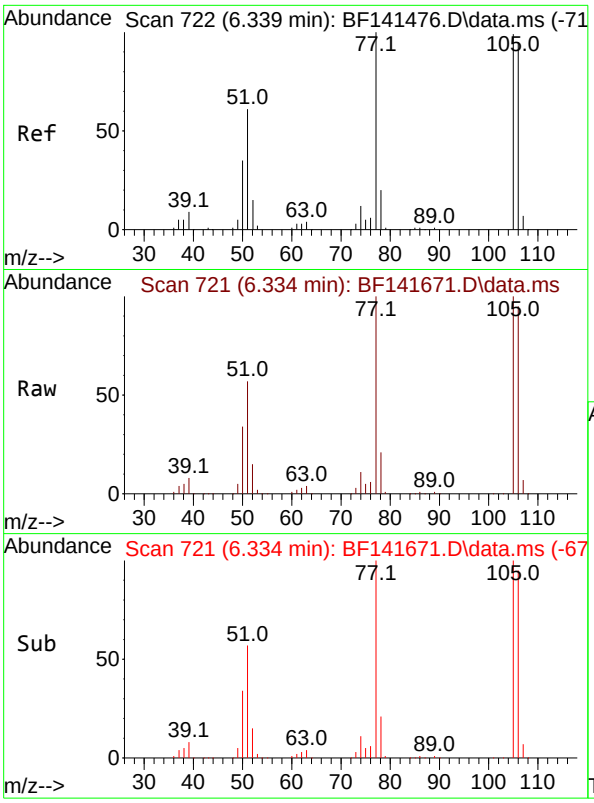


#8
2-Chlorophenol
Concen: 39.088 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:128 Resp: 390244

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	49.2	28.3	68.3



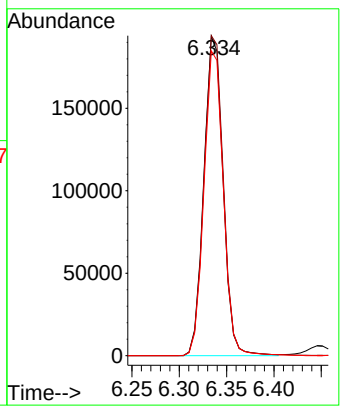


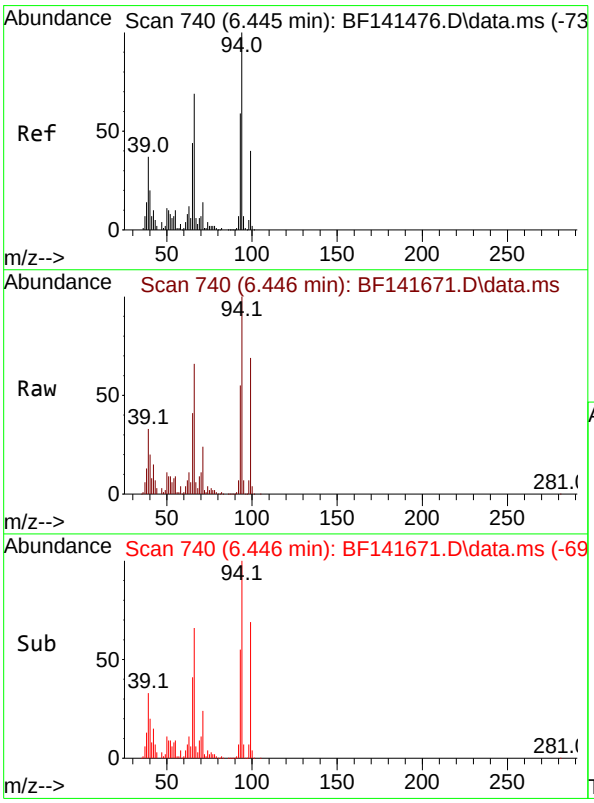
#9
Benzaldehyde
Concen: 43.983 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 272949

Ion	Ratio	Lower	Upper
77	100		
105	100.2	79.4	119.4
106	95.4	75.1	115.1

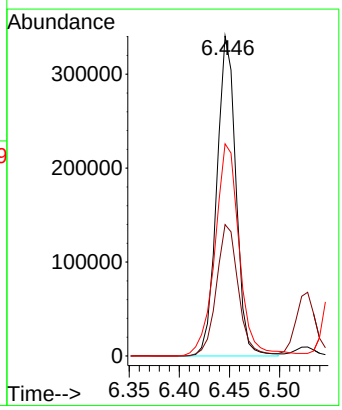


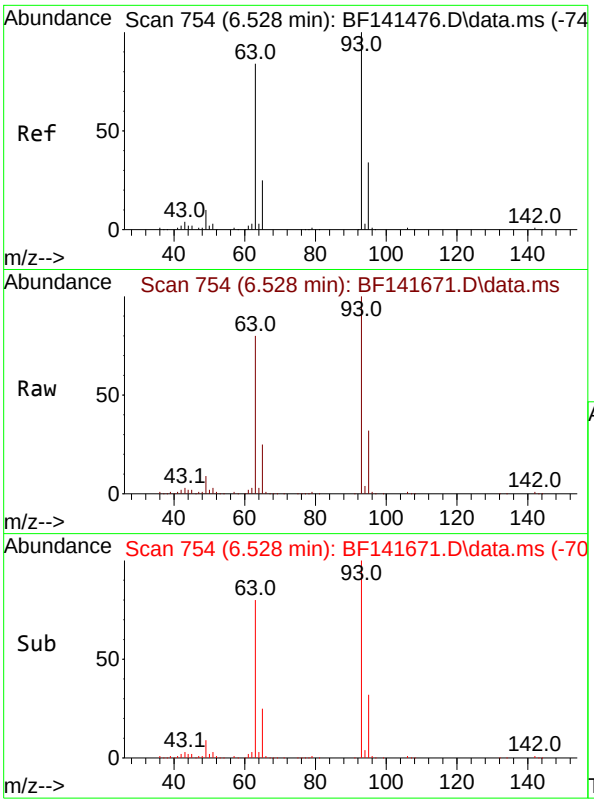


#10
Phenol
Concen: 37.148 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 94 Resp: 451529

Ion	Ratio	Lower	Upper
94	100		
65	41.1	23.7	63.7
66	66.3	49.3	89.3



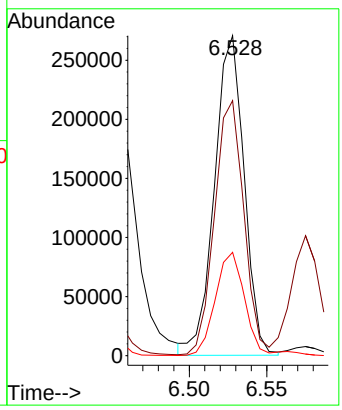


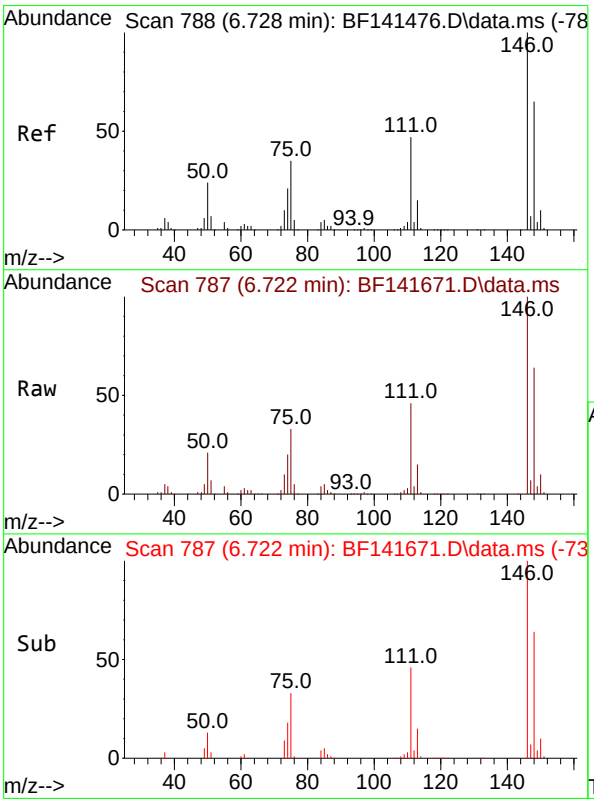
#11
bis(2-Chloroethyl)ether
Concen: 39.447 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 360136

Ion	Ratio	Lower	Upper
93	100		
63	79.7	62.0	102.0
95	32.3	12.6	52.6

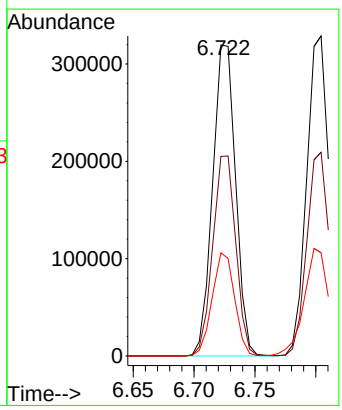


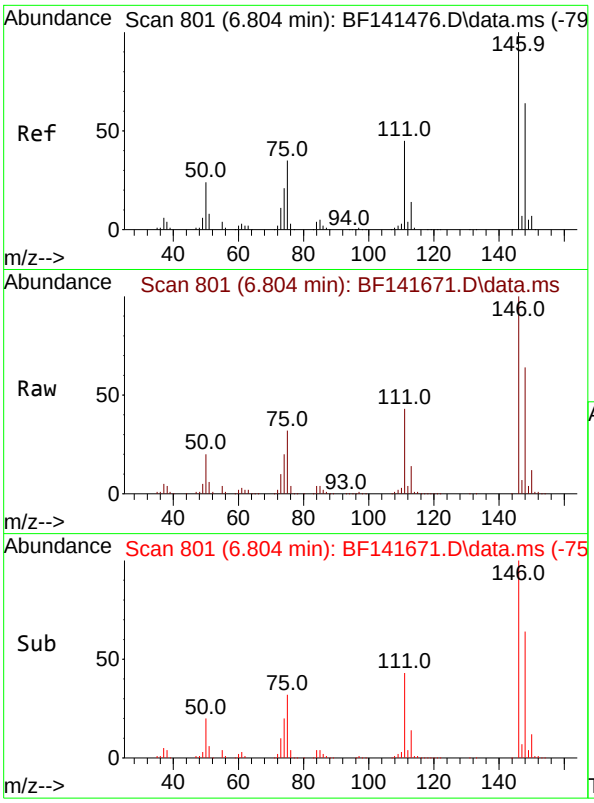


#12
1,3-Dichlorobenzene
Concen: 39.863 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:146 Resp: 420158

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
75	33.2	28.2	42.2



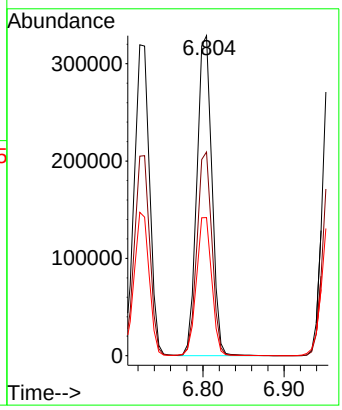


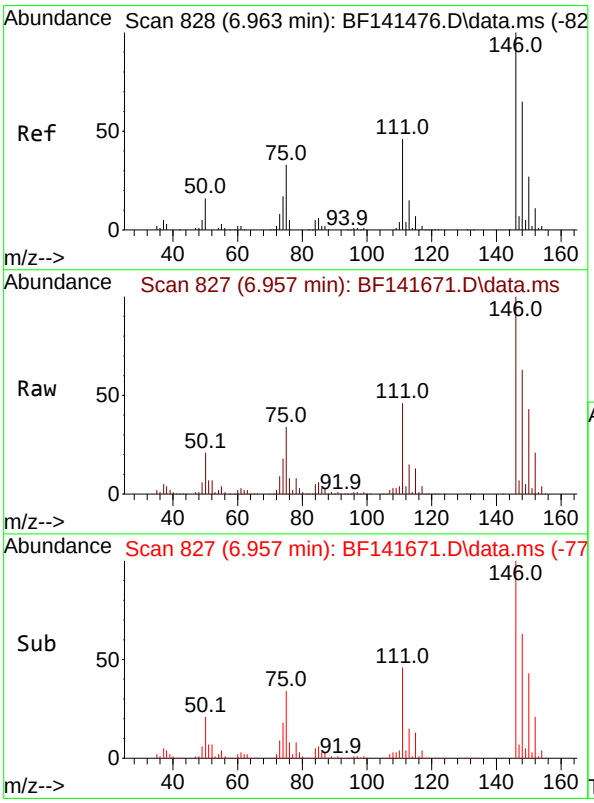
#13
1,4-Dichlorobenzene
Concen: 39.292 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 423132

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	43.1	35.9	53.9

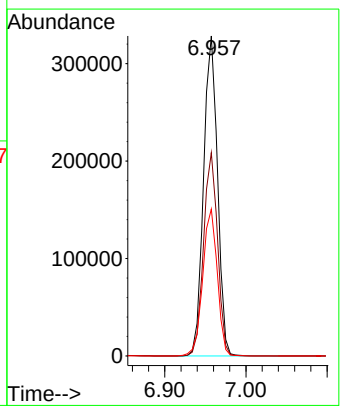


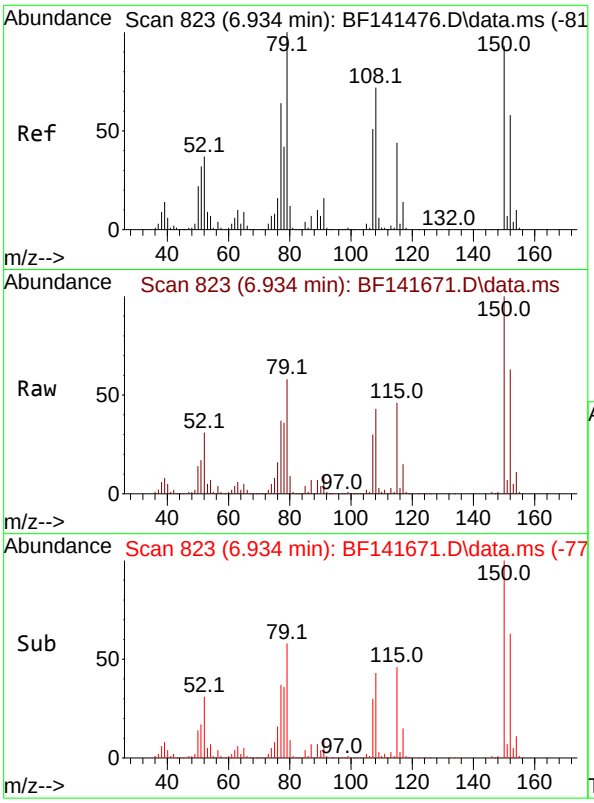


#14
1,2-Dichlorobenzene
Concen: 39.182 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:146 Resp: 391619

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.6
111	45.9	37.0	55.4



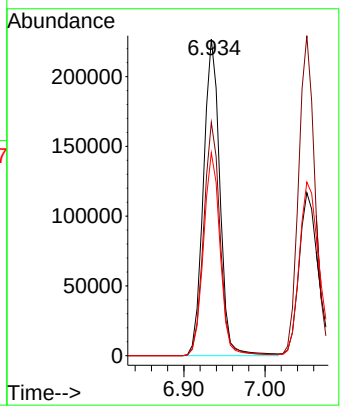


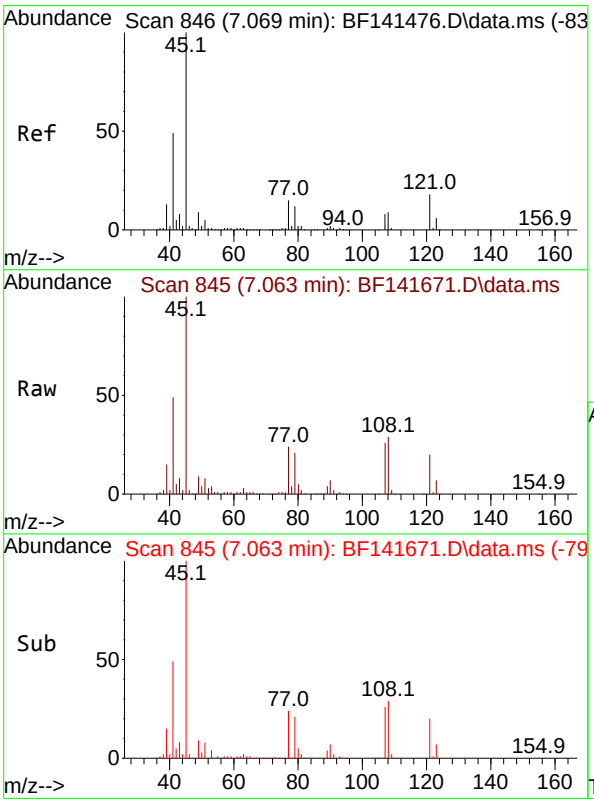
#15
Benzyl Alcohol
Concen: 35.584 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 318672

Ion	Ratio	Lower	Upper
79	100		
108	73.7	57.4	86.2
77	64.1	50.9	76.3

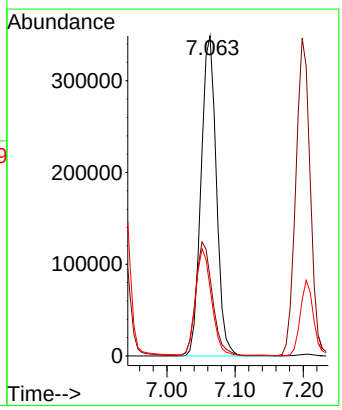


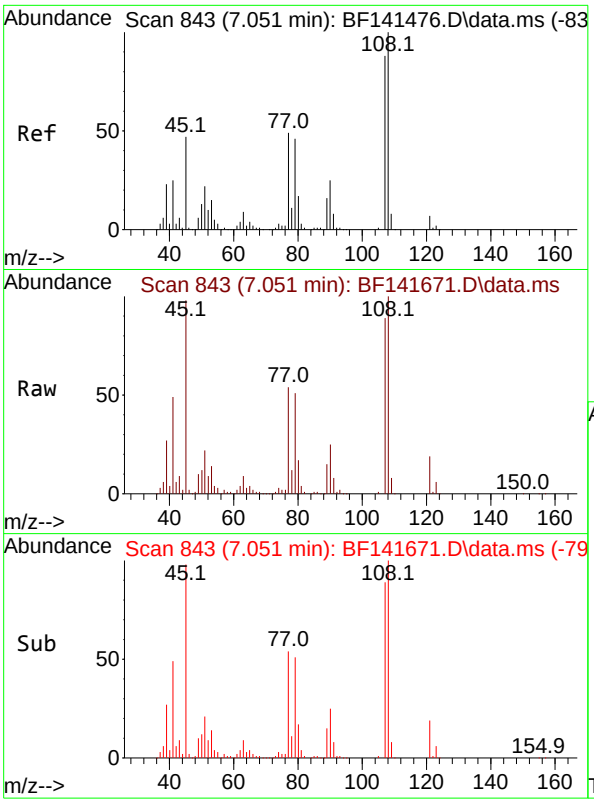


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.855 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 45 Resp: 544720

Ion	Ratio	Lower	Upper
45	100		
77	24.5	0.0	35.8
79	21.3	0.0	32.7



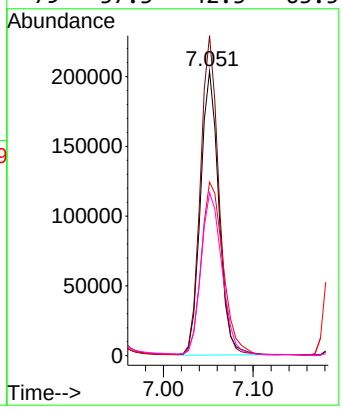


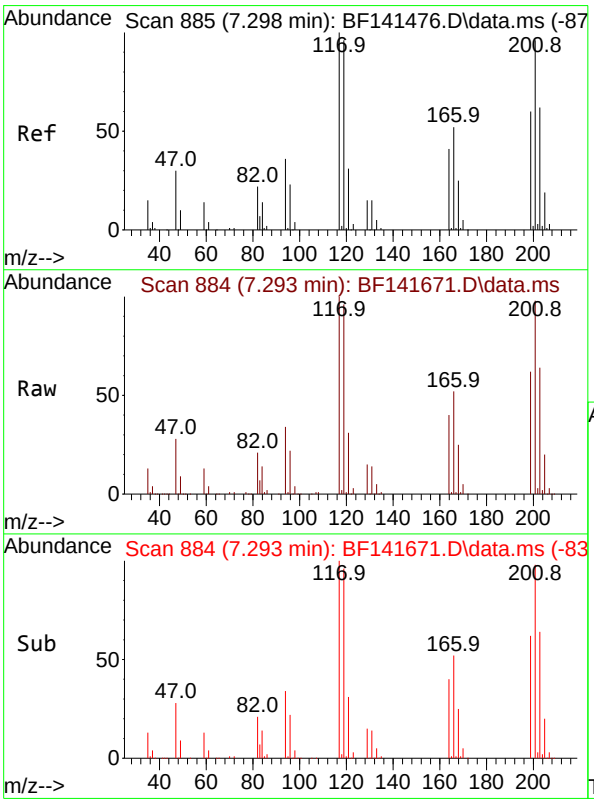
#17
2-Methylphenol
Concen: 36.816 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 287643

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.6	136.0
77	61.0	44.4	66.6
79	57.3	42.3	63.5

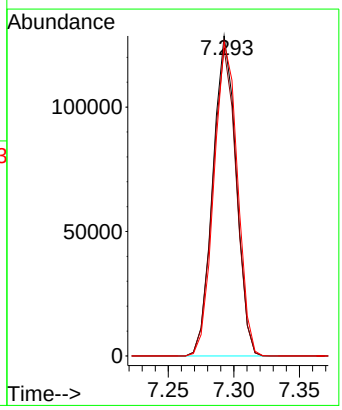


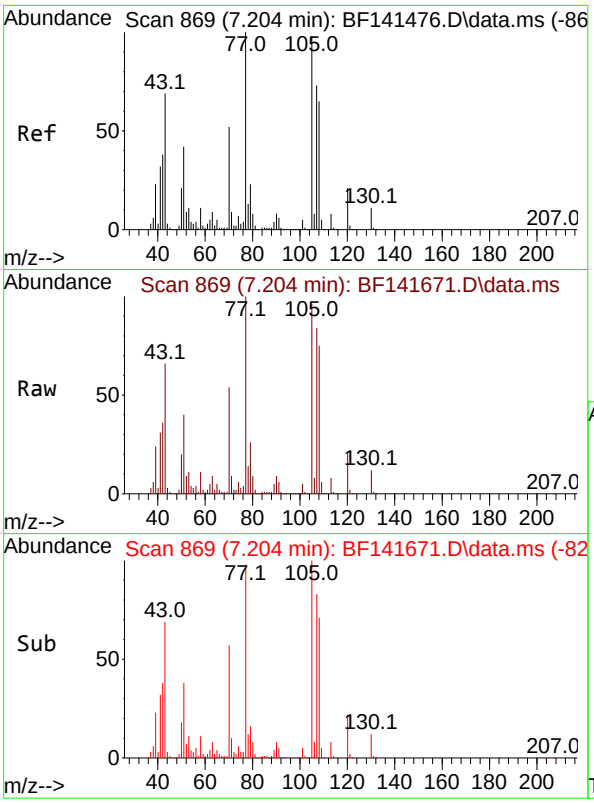


#18
Hexachloroethane
Concen: 39.831 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:117 Resp: 158746

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
201	98.1	76.7	115.1



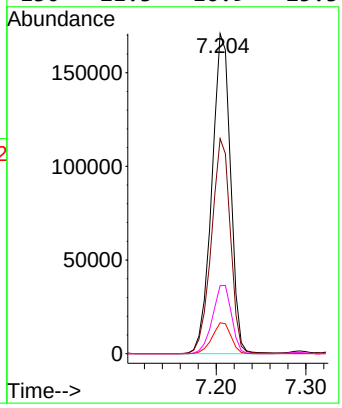


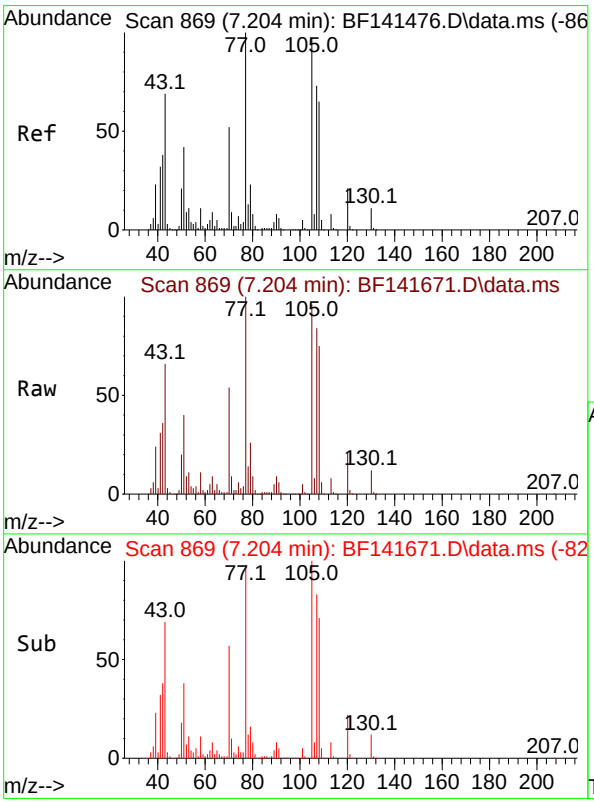
#19
n-Nitroso-di-n-propylamine
Concen: 35.385 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 247180

Ion	Ratio	Lower	Upper
70	100		
42	67.2	57.4	86.2
101	9.7	8.0	12.0
130	21.3	16.9	25.3

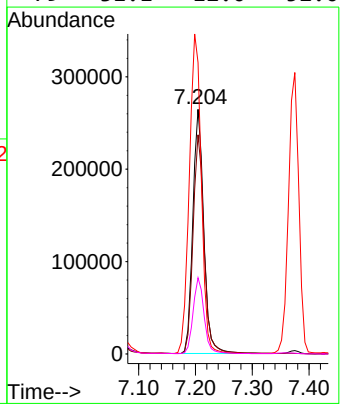


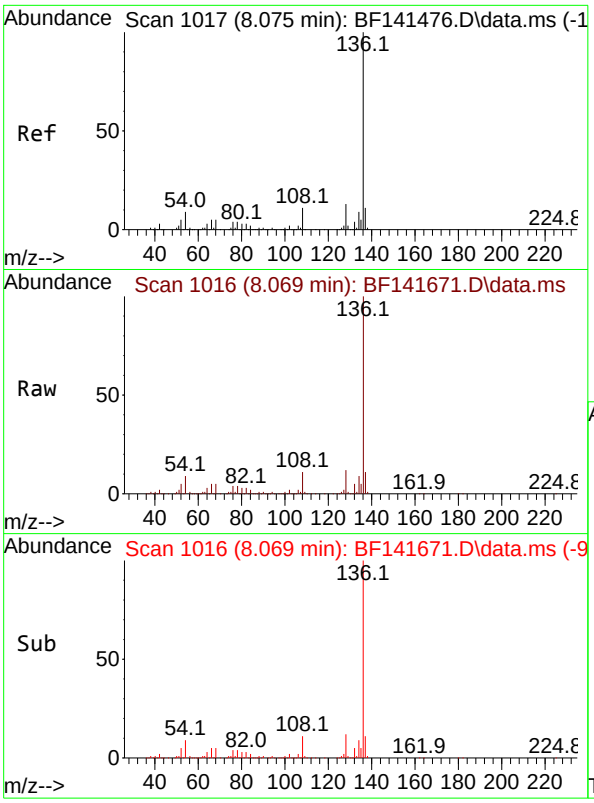


#20
3+4-Methylphenols
Concen: 35.848 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:107 Resp: 355941

Ion	Ratio	Lower	Upper
107	100		
108	89.6	68.5	108.5
77	119.1	116.5	156.5
79	31.1	12.0	52.0



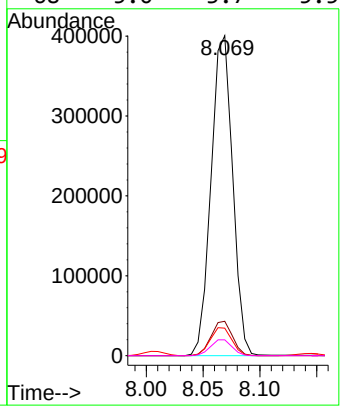


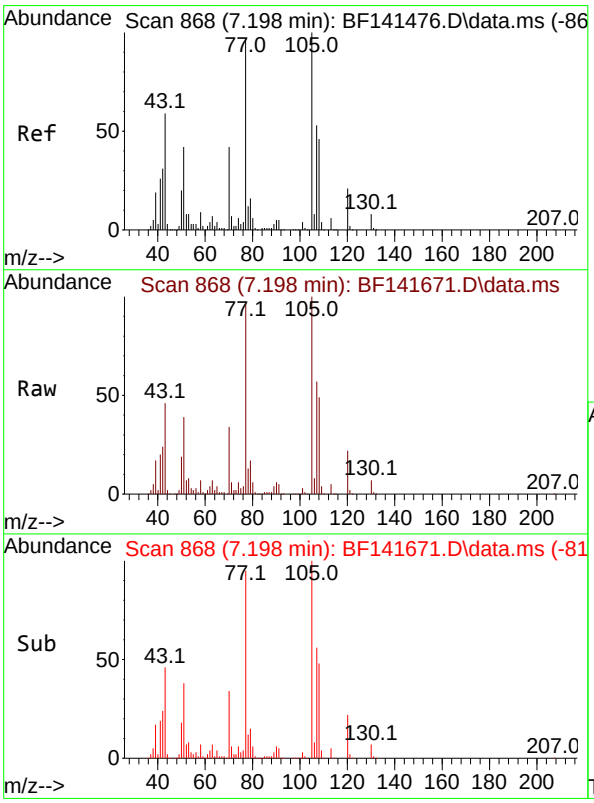
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 529423

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

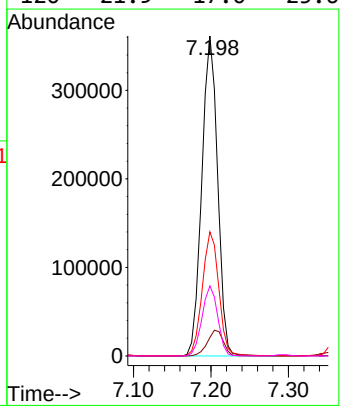


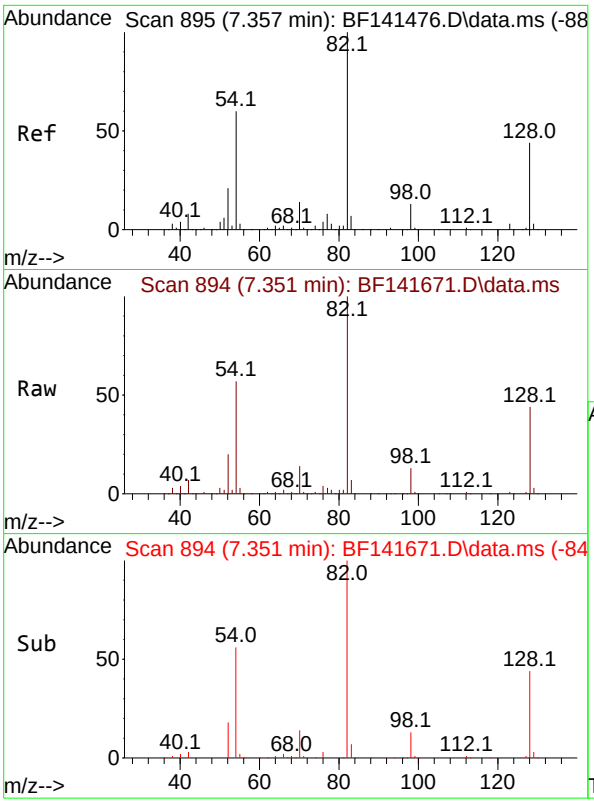


#22
Acetophenone
Concen: 38.839 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:105 Resp: 511501

Ion	Ratio	Lower	Upper
105	100		
71	5.7	5.7	8.5
51	38.8	33.7	50.5
120	21.9	17.0	25.6



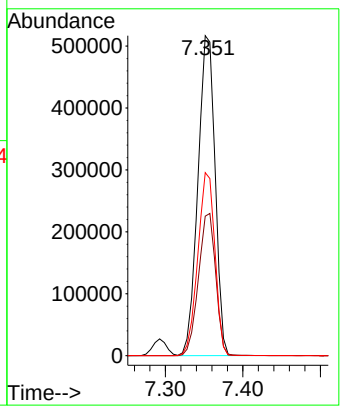


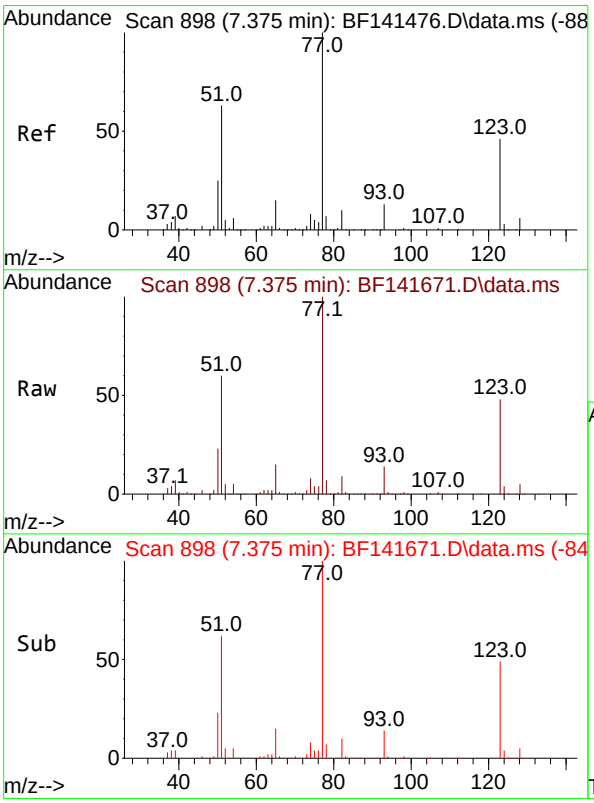
#23
Nitrobenzene-d5
Concen: 78.371 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 795491

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.8	52.2
54	57.2	48.2	72.4

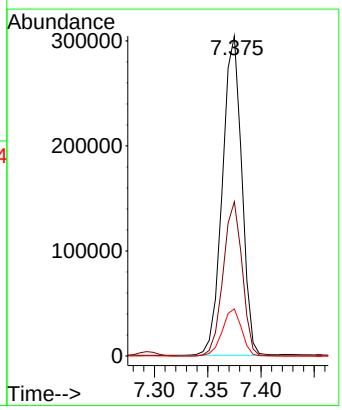


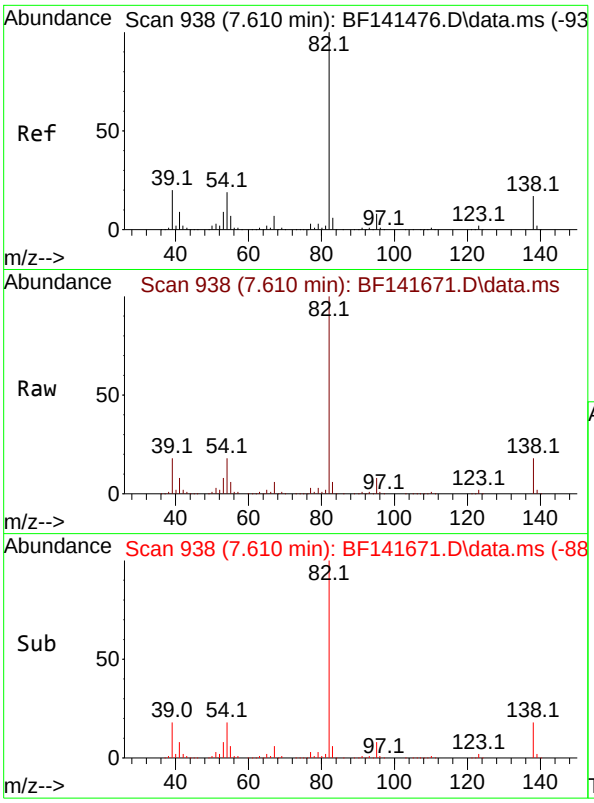


#24
Nitrobenzene
Concen: 38.833 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 77 Resp: 384365

Ion	Ratio	Lower	Upper
77	100		
123	48.2	36.9	55.3
65	14.7	11.9	17.9



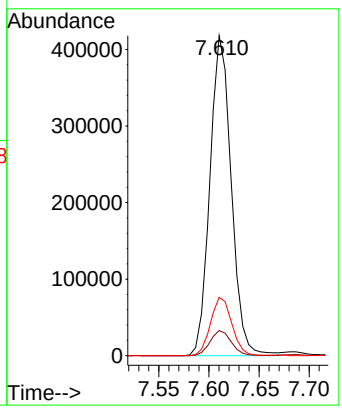


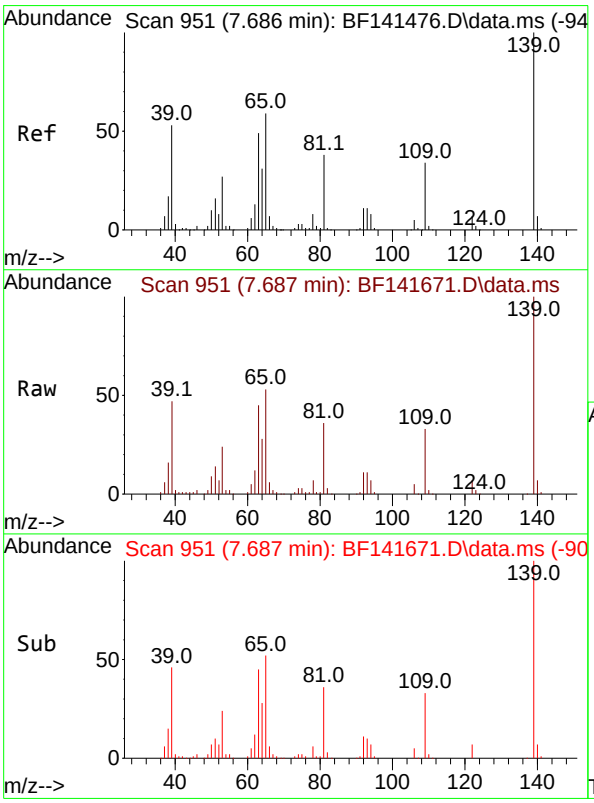
#25
Isophorone
Concen: 38.358 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 620809

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.2	13.9	20.9

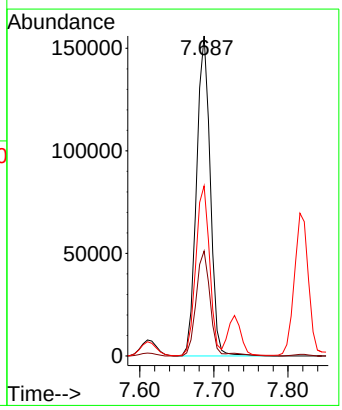


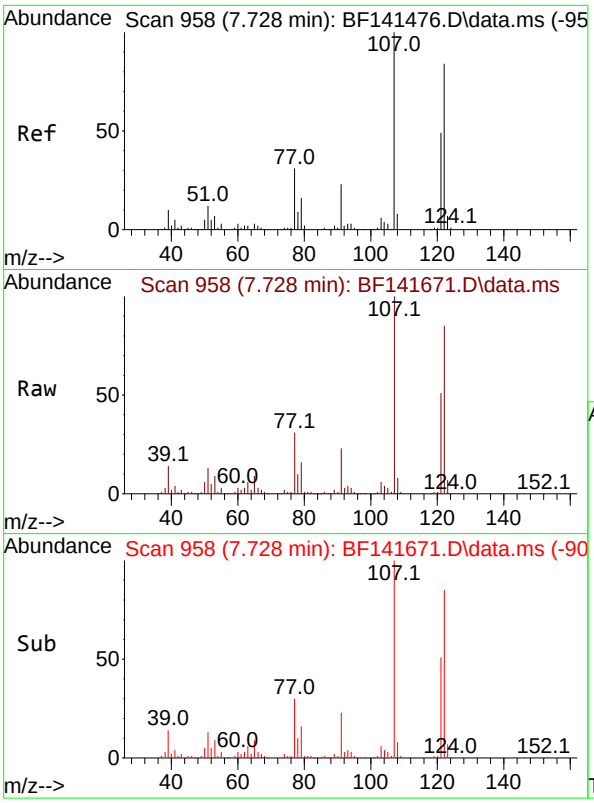


#26
2-Nitrophenol
Concen: 40.706 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:139 Resp: 200452

Ion	Ratio	Lower	Upper
139	100		
109	32.8	27.0	40.6
65	53.1	47.1	70.7



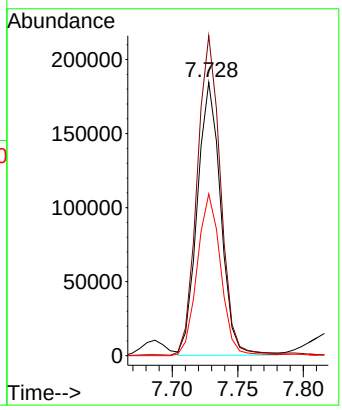


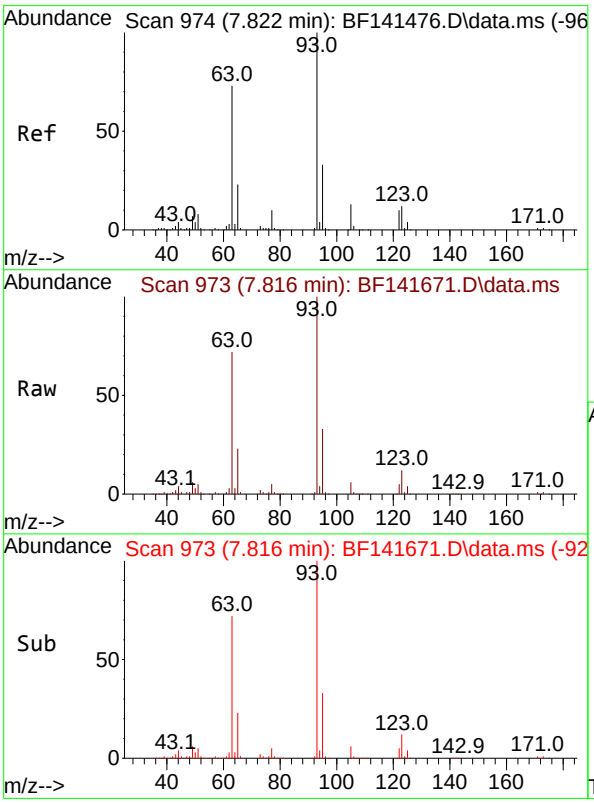
#27
2,4-Dimethylphenol
Concen: 39.876 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 229397

Ion	Ratio	Lower	Upper
122	100		
107	117.1	94.3	141.5
121	59.2	46.0	69.0

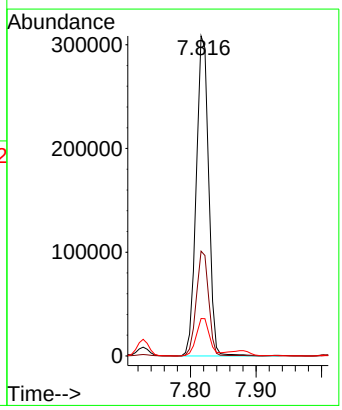


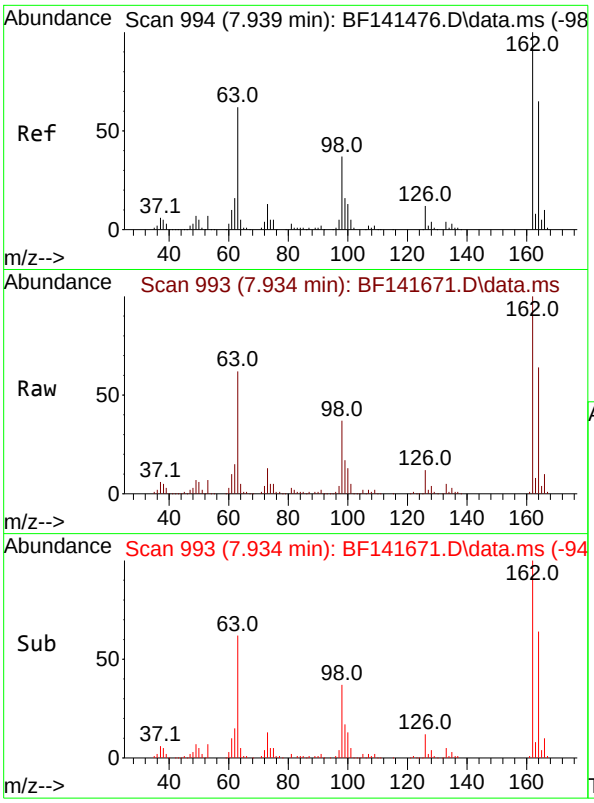


#28
bis(2-Chloroethoxy)methane
Concen: 39.329 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 93 Resp: 407865

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.7	9.5	14.3



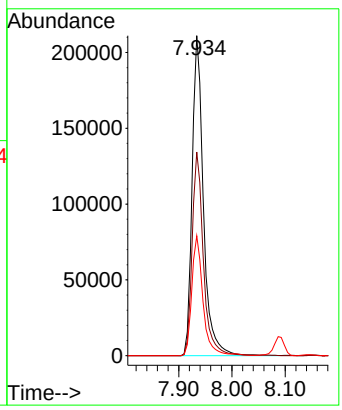


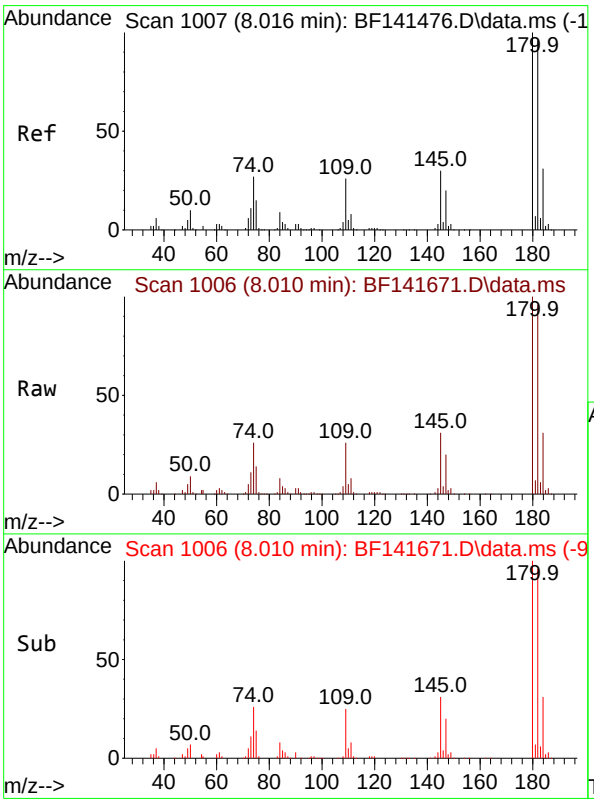
#29
2,4-Dichlorophenol
Concen: 40.056 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 311343

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	37.5	17.2	57.2

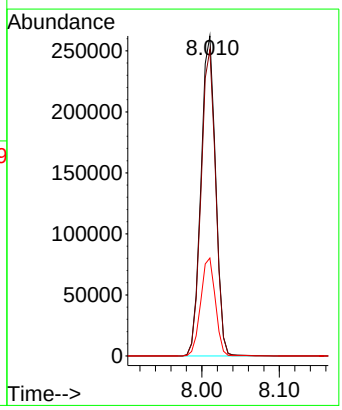


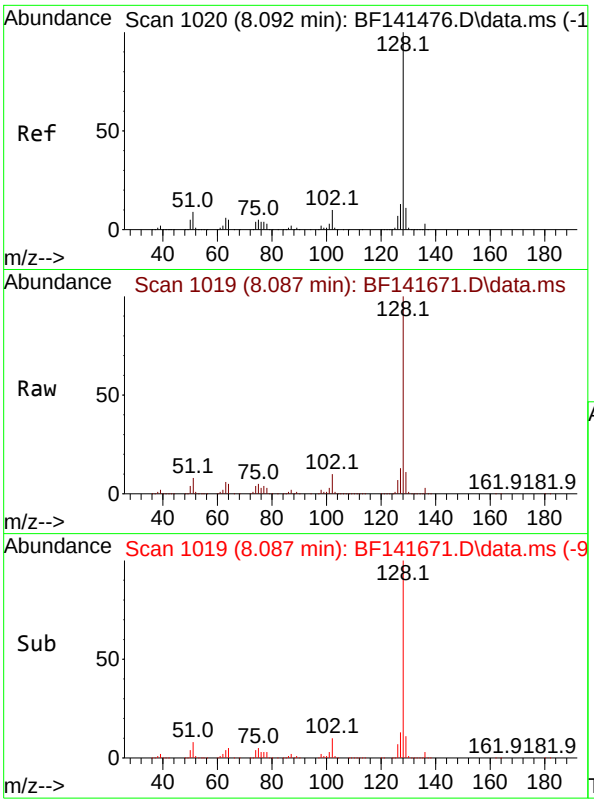


#30
1,2,4-Trichlorobenzene
Concen: 40.567 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:180 Resp: 343366

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
145	30.6	24.2	36.4



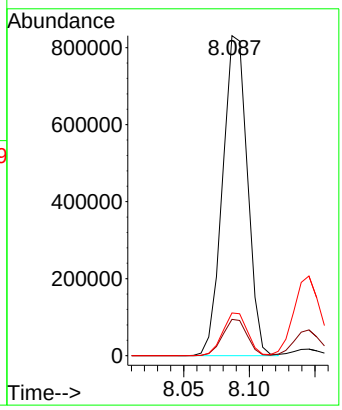


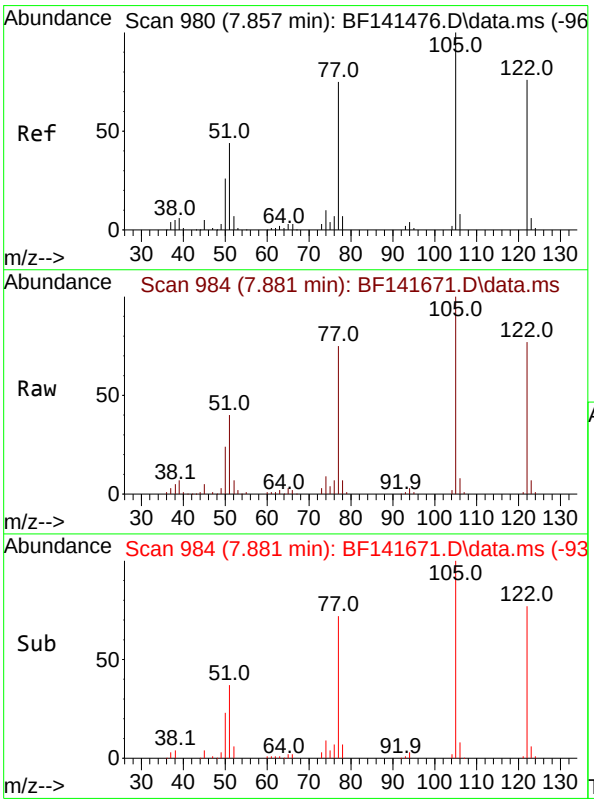
#31
Naphthalene
Concen: 39.610 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1091589

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.3	10.7	16.1

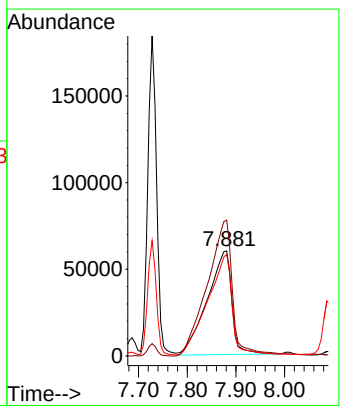


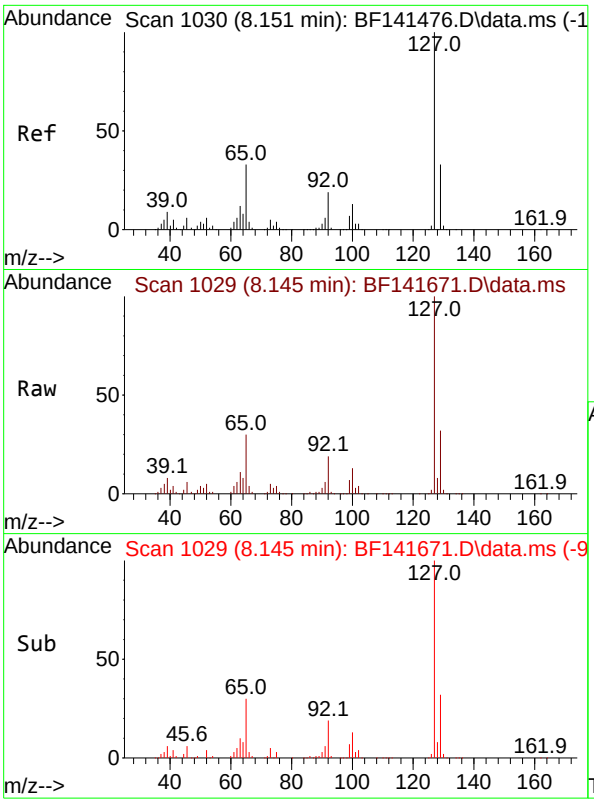


#32
Benzoic acid
Concen: 35.346 ng
RT: 7.881 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:122 Resp: 211209

Ion	Ratio	Lower	Upper
122	100		
105	129.1	106.5	146.5
77	96.6	76.3	116.3



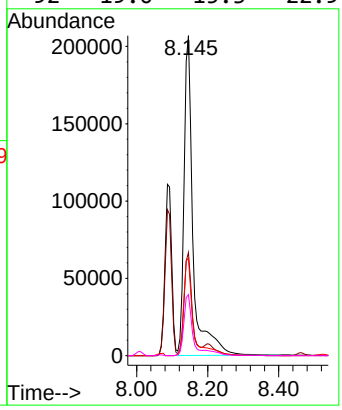


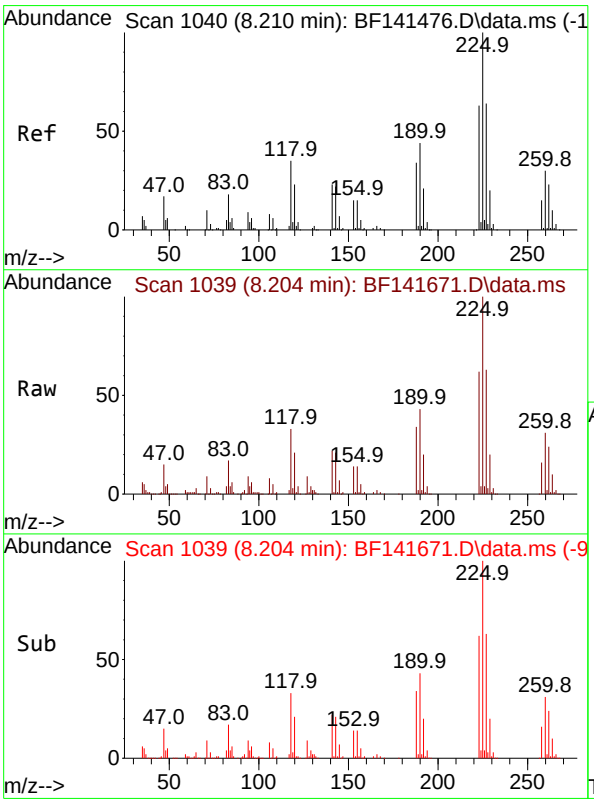
#33
4-Chloroaniline
Concen: 37.720 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 362931

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.5	39.7
65	30.5	26.4	39.6
92	19.0	15.3	22.9

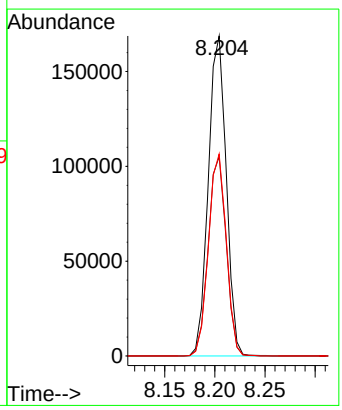


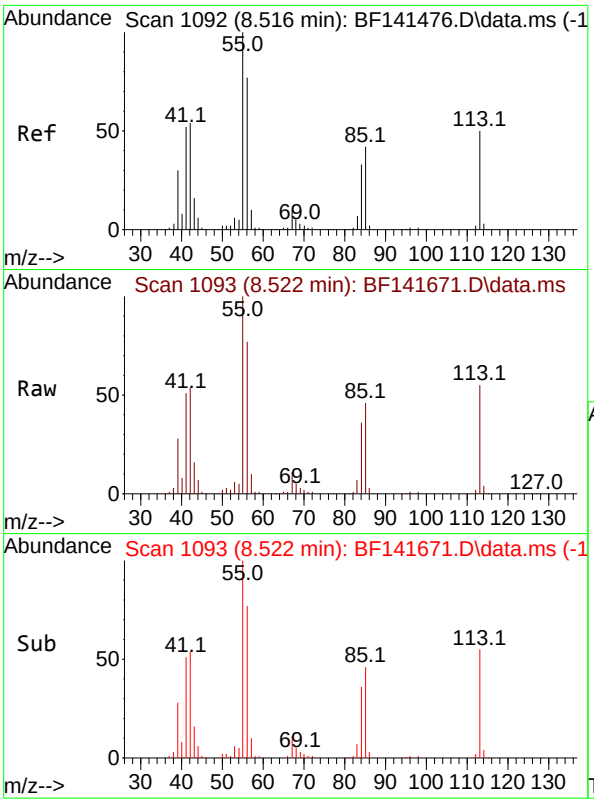


#34
Hexachlorobutadiene
Concen: 41.351 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:225 Resp: 210119

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.1	75.1
227	63.2	51.0	76.6



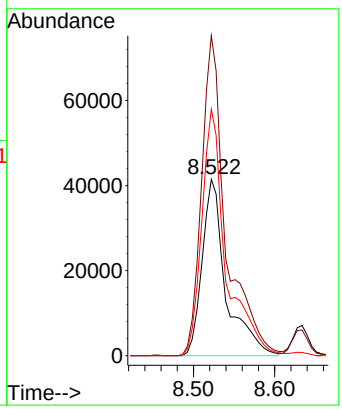


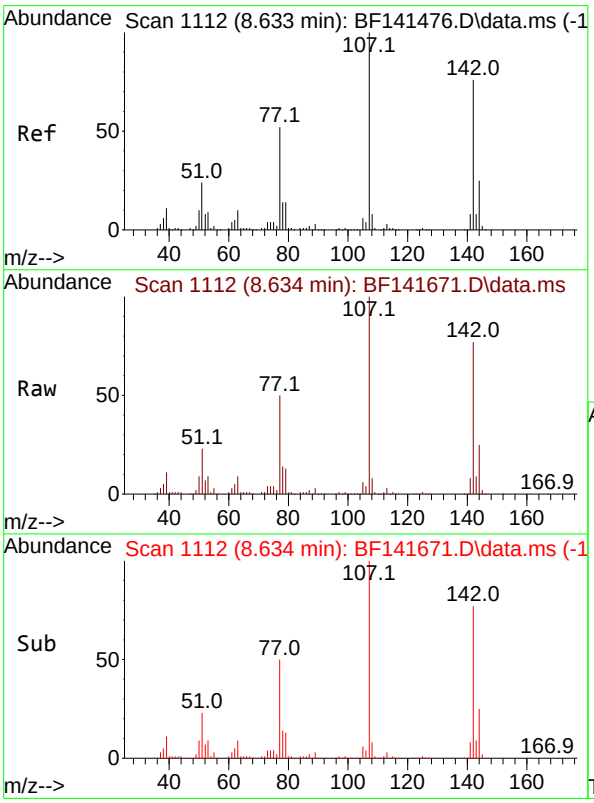
#35
Caprolactam
Concen: 35.714 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 84520

Ion	Ratio	Lower	Upper
113	100		
55	181.4	180.8	220.8
56	139.8	133.6	173.6

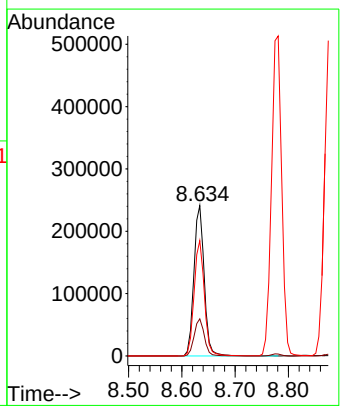


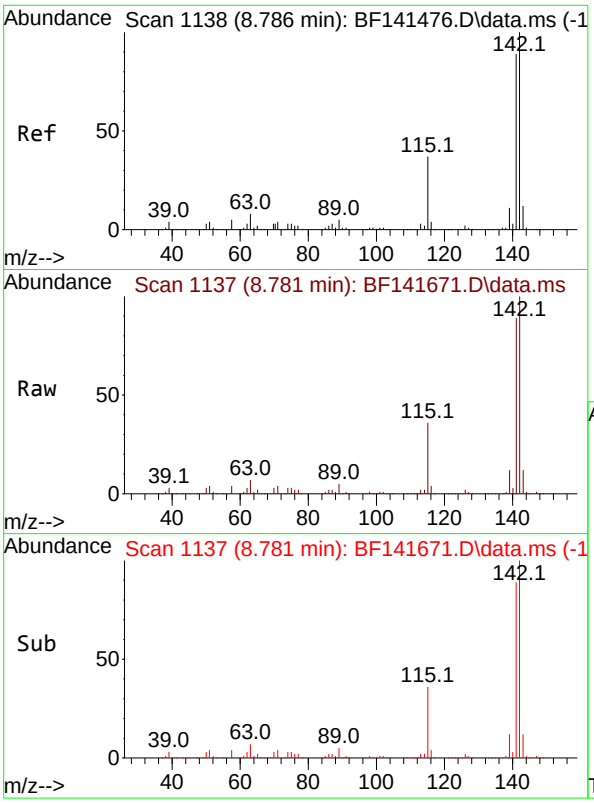


#36
4-Chloro-3-methylphenol
Concen: 37.625 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:107 Resp: 323949

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.7	29.5
142	76.7	60.8	91.2



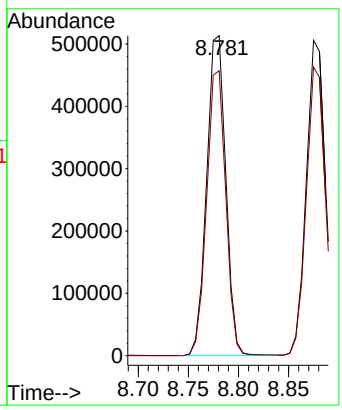


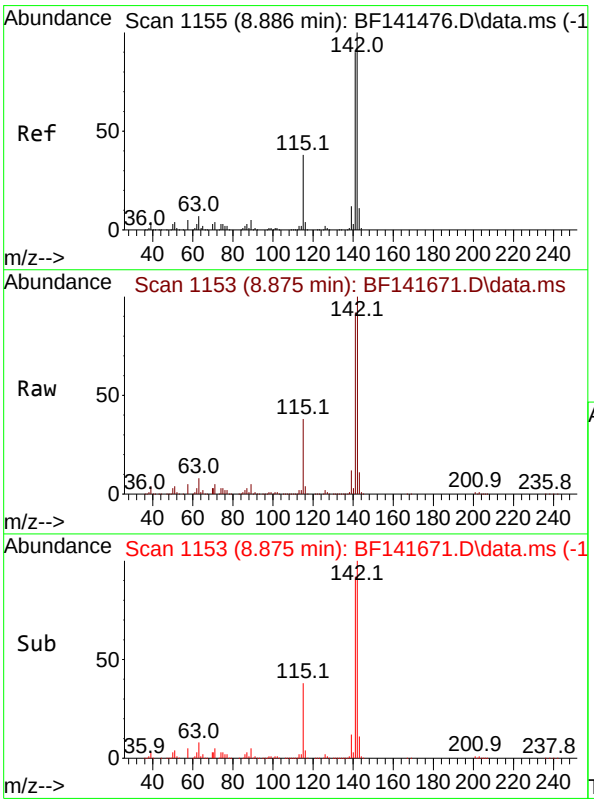
#37
2-Methylnaphthalene
Concen: 38.085 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 682989

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

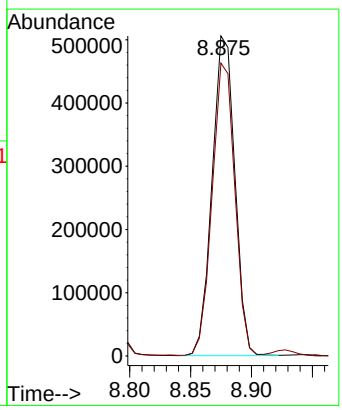


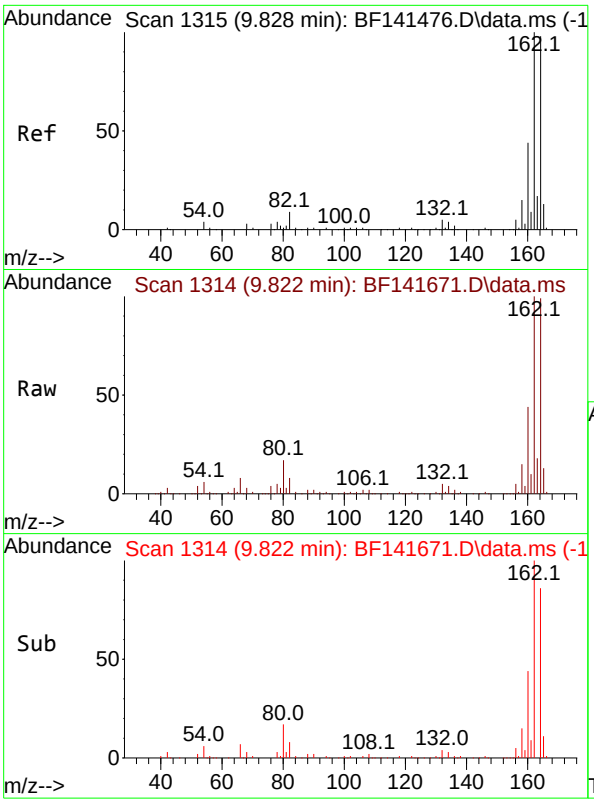


#38
1-Methylnaphthalene
Concen: 37.850 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:142 Resp: 657410

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.1	108.1



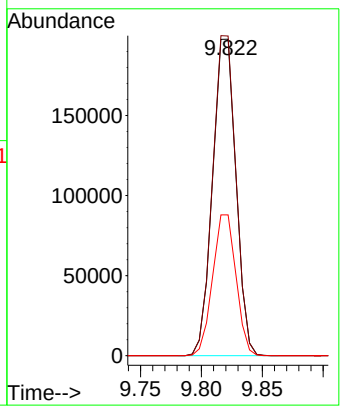


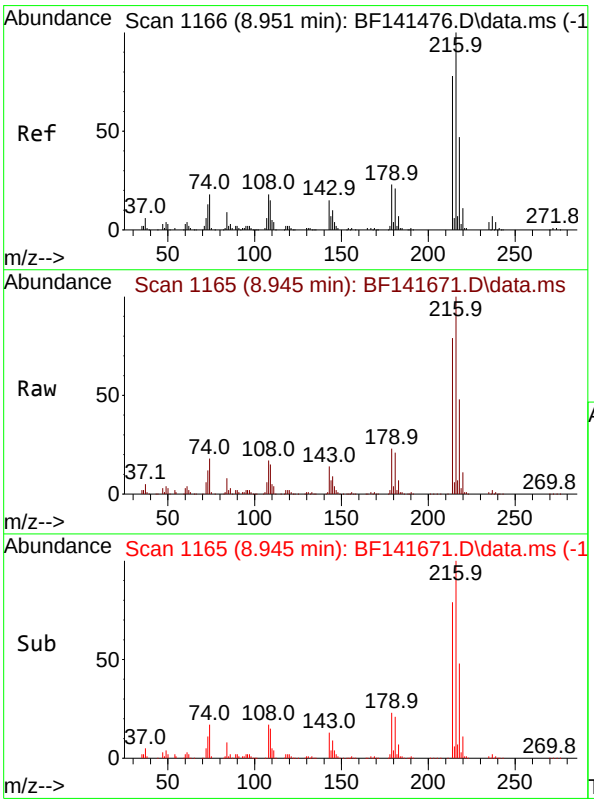
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 263870

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.3	121.9
160	44.5	35.9	53.9

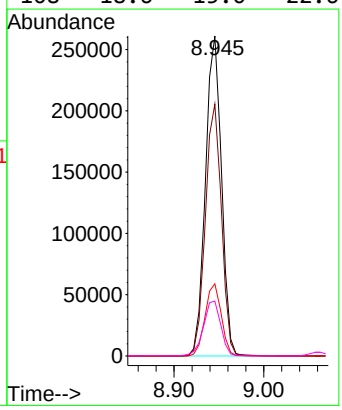


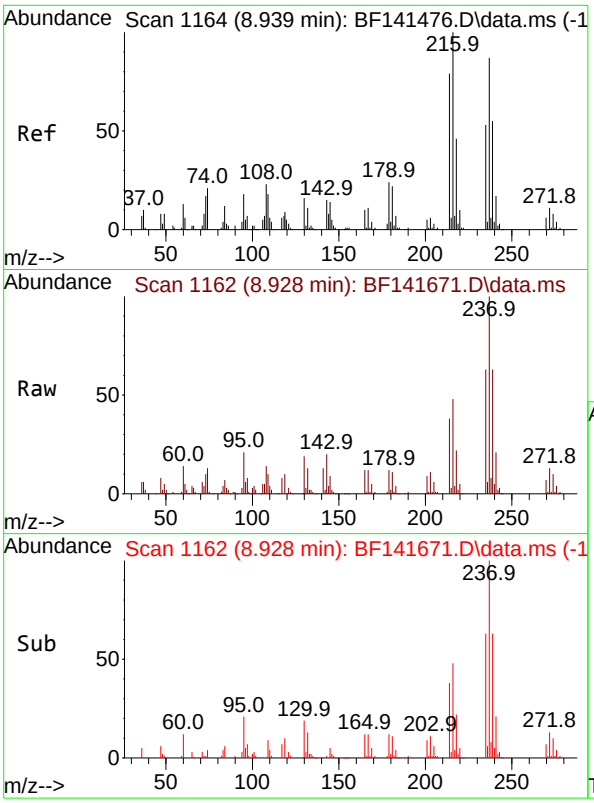


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.441 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:216 Resp: 324000

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.3	93.5
179	22.7	18.0	27.0
108	18.6	15.0	22.6



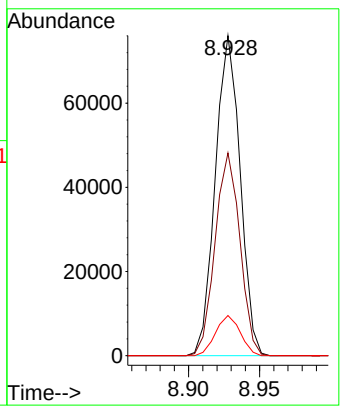


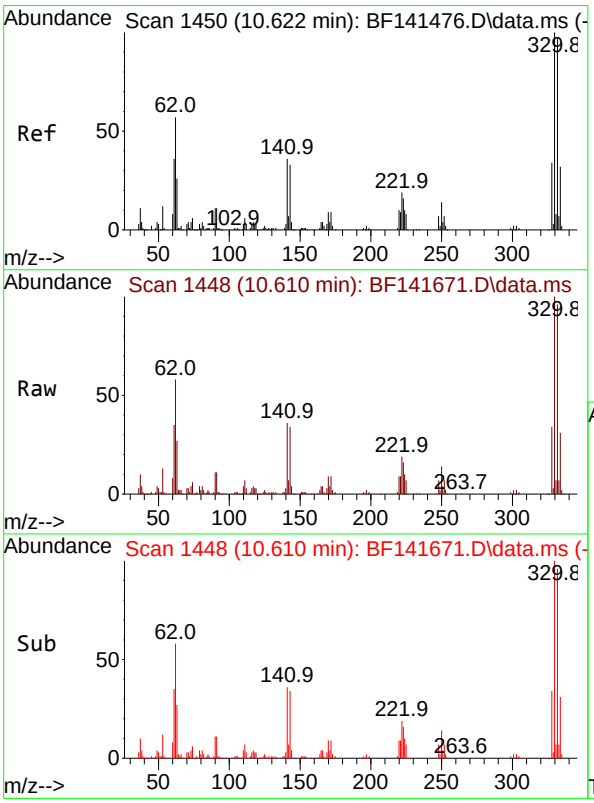
#41
Hexachlorocyclopentadiene
Concen: 36.431 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 92505

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.4	81.4
272	12.5	0.0	32.4

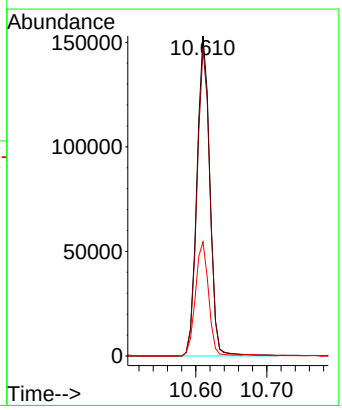


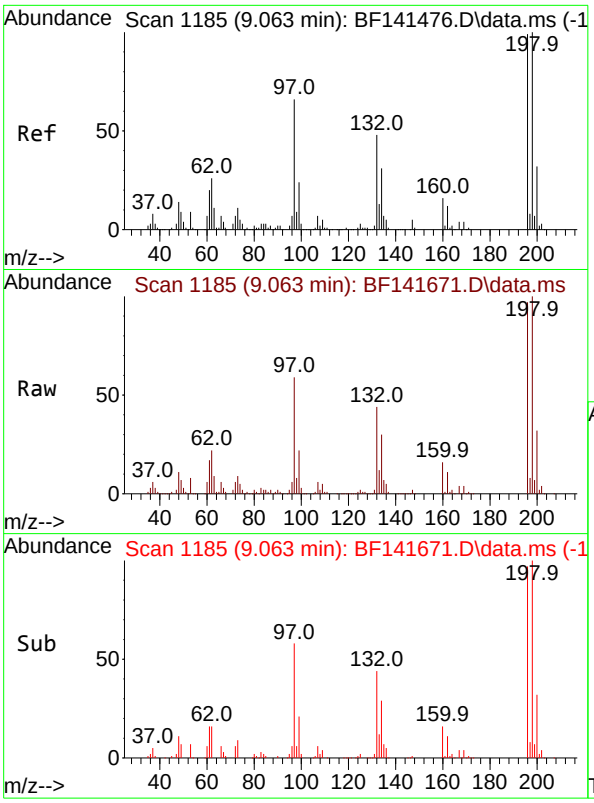


#42
2,4,6-Tribromophenol
Concen: 73.171 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:330 Resp: 193953

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.5	117.7
141	36.2	31.0	46.4



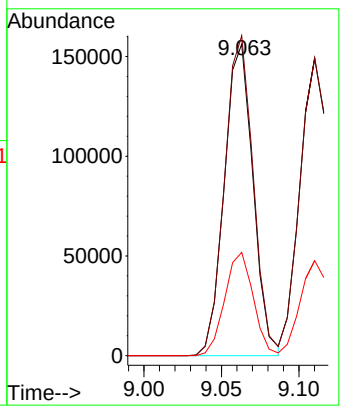


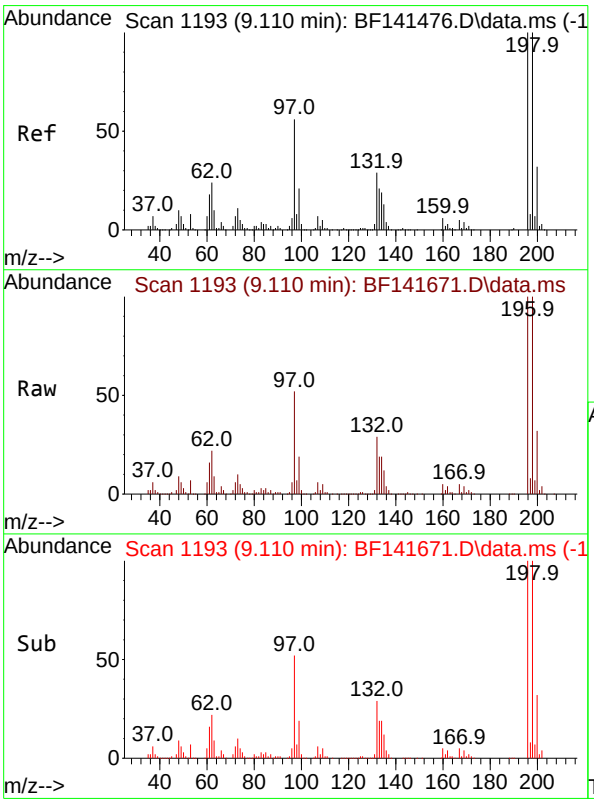
#43
2,4,6-Trichlorophenol
Concen: 40.811 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 201362

Ion	Ratio	Lower	Upper
196	100		
198	102.7	80.6	121.0
200	33.2	25.5	38.3

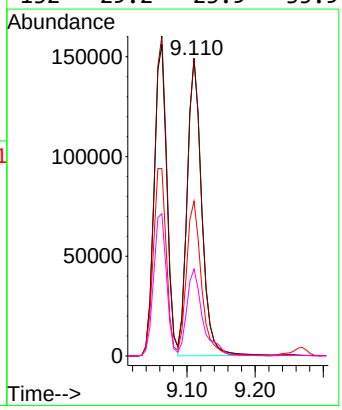


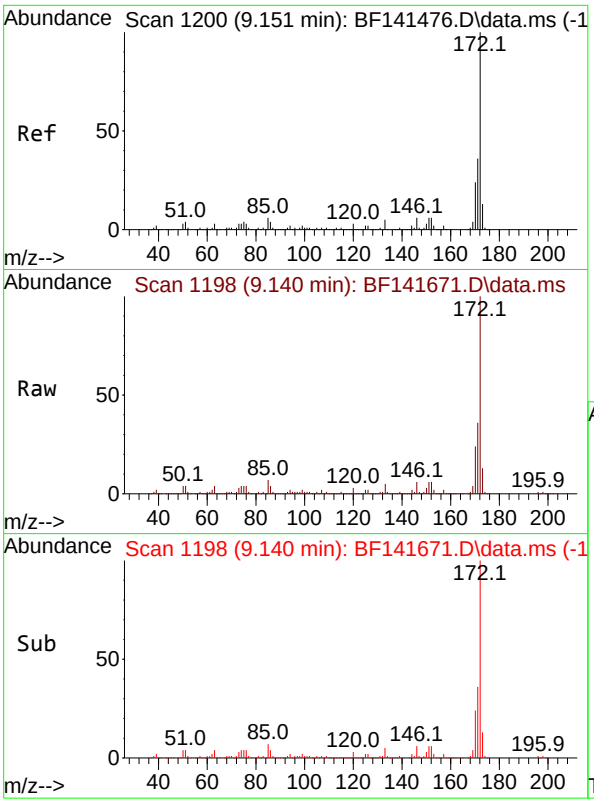


#44
2,4,5-Trichlorophenol
Concen: 40.630 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:196 Resp: 217264

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.8	119.8
97	52.0	44.8	67.2
132	29.2	23.9	35.9



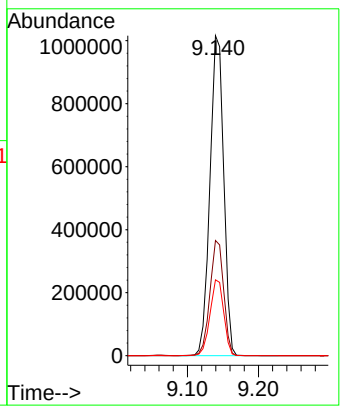


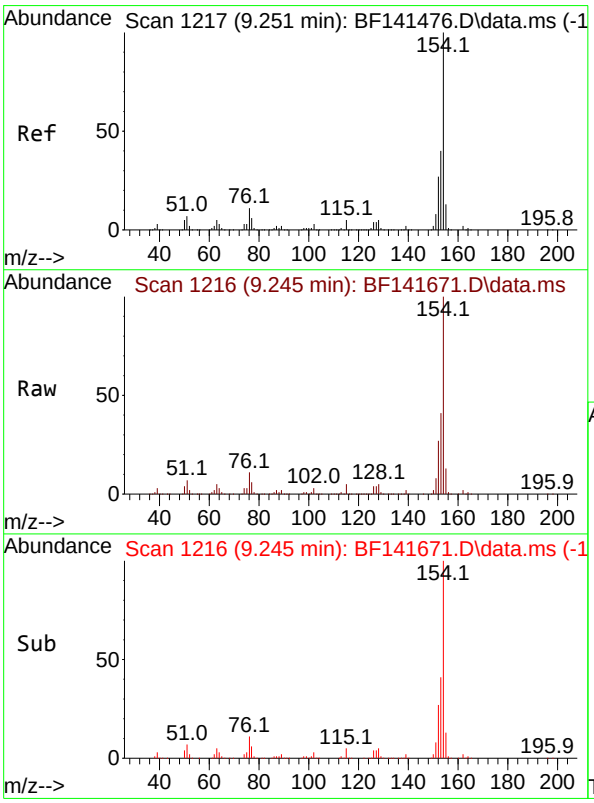
#45
2-Fluorobiphenyl
Concen: 79.920 ng
RT: 9.140 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1368805

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	23.7	18.9	28.3

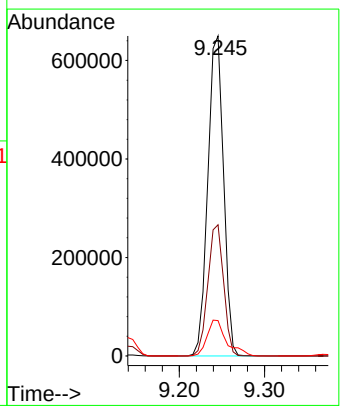


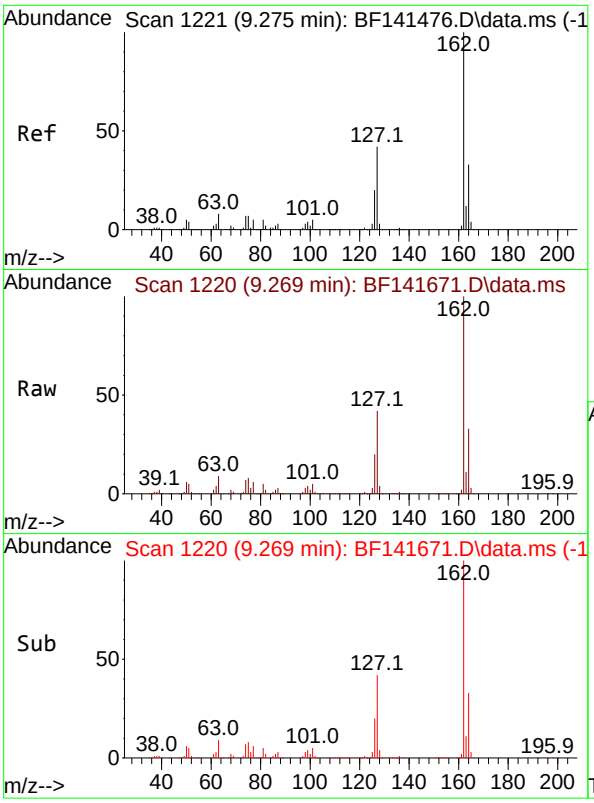


#46
1,1'-Biphenyl
Concen: 40.749 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:154 Resp: 833621

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.4	60.4
76	11.0	0.0	30.8



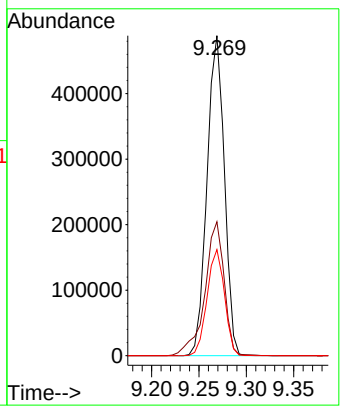


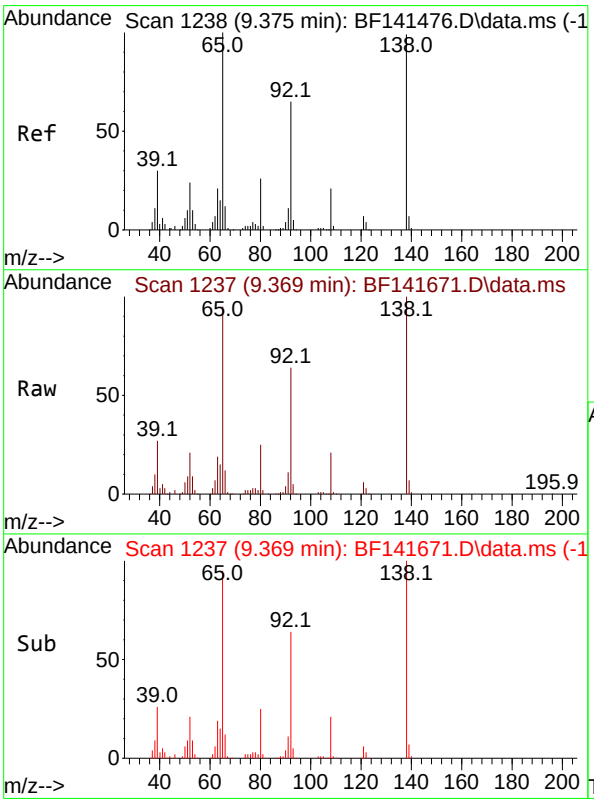
#47
2-Chloronaphthalene
Concen: 41.002 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 620256

Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.1	51.1
164	33.1	26.3	39.5

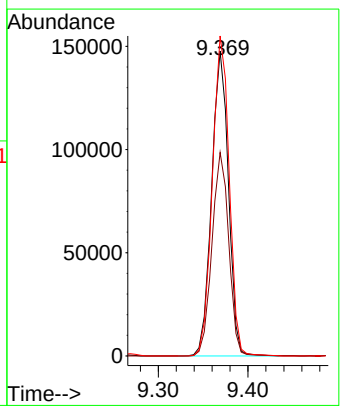


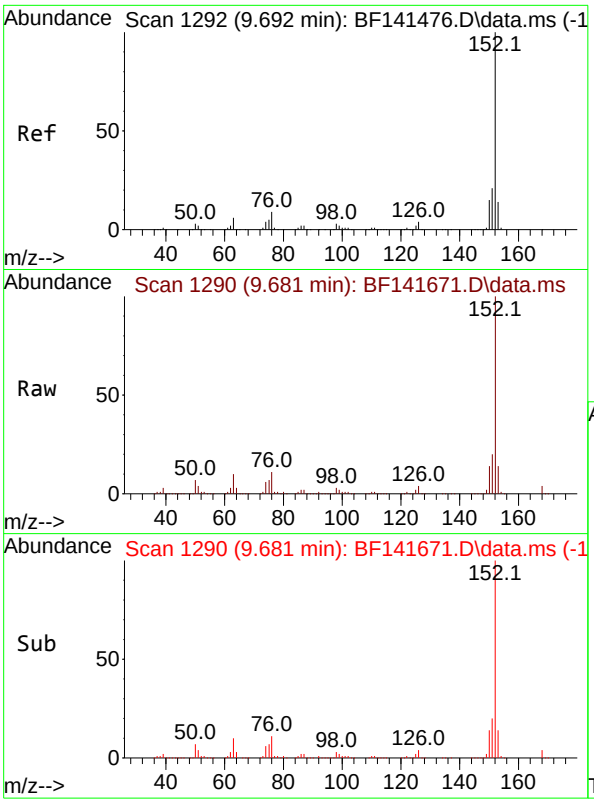


#48
2-Nitroaniline
Concen: 37.715 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion: 65 Resp: 191472

Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.2	78.2
138	104.9	79.5	119.3



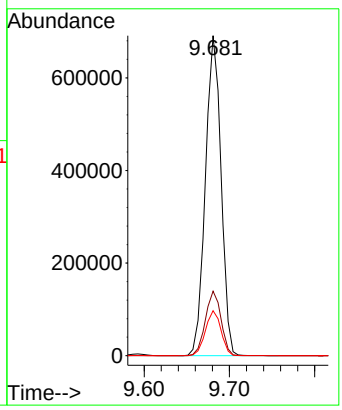


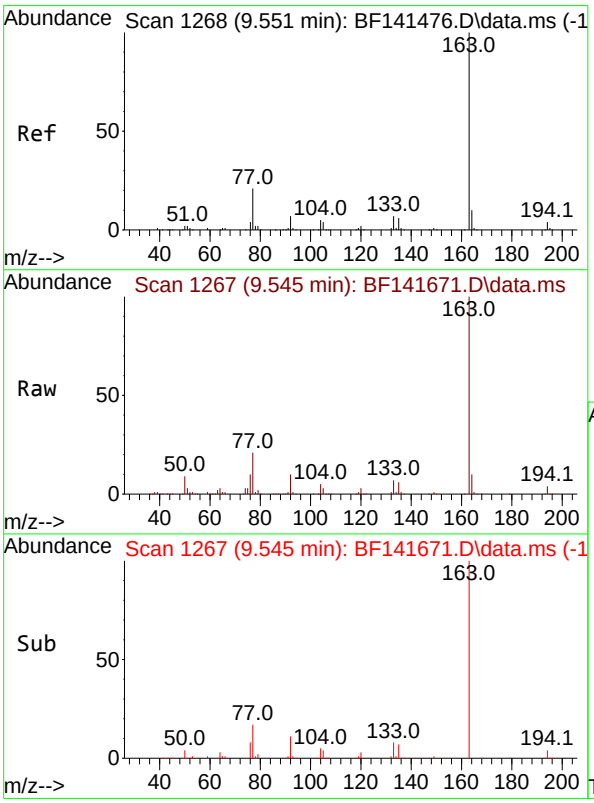
#49
Acenaphthylene
Concen: 39.206 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 882168

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	14.0	10.9	16.3

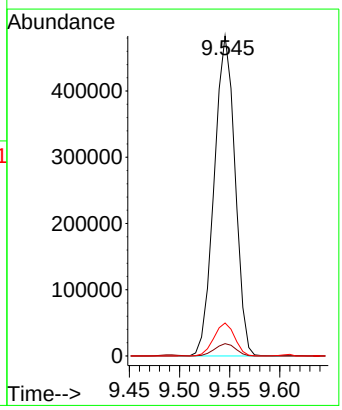


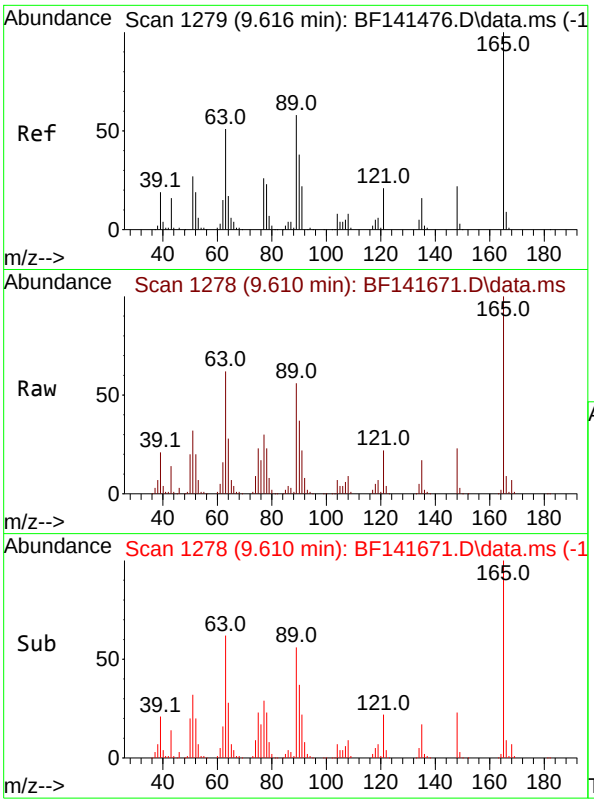


#50
Dimethylphthalate
Concen: 38.989 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:163 Resp: 698435

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.3	7.9	11.9



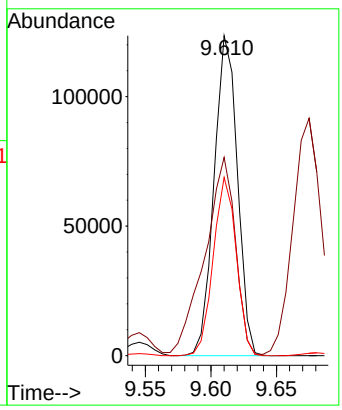


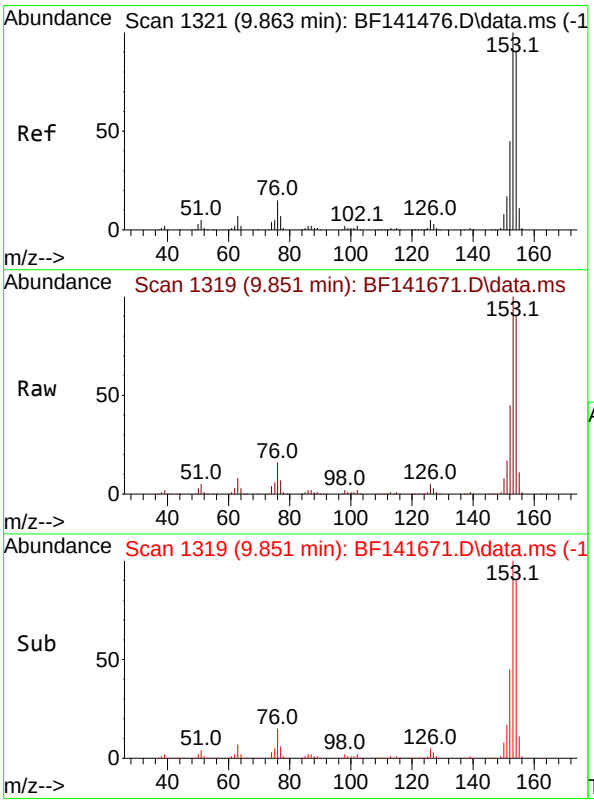
#51
2,6-Dinitrotoluene
Concen: 38.932 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 152459

Ion	Ratio	Lower	Upper
165	100		
63	62.0	49.4	74.0
89	55.7	46.5	69.7

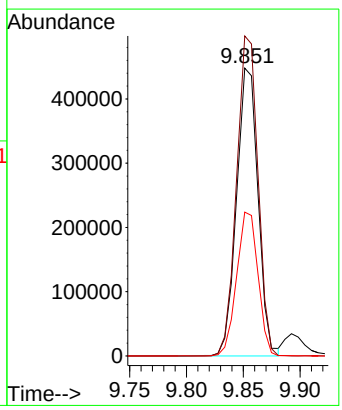


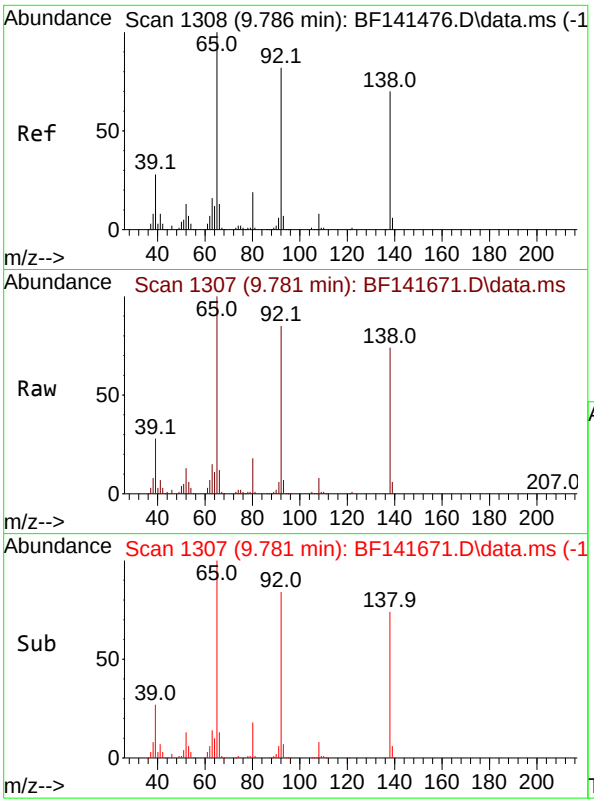


#52
Acenaphthene
Concen: 38.969 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:154 Resp: 589482

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.2	133.8
152	50.0	39.8	59.8



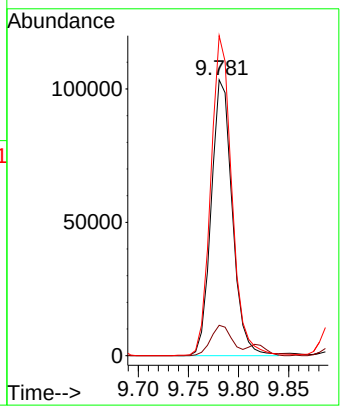


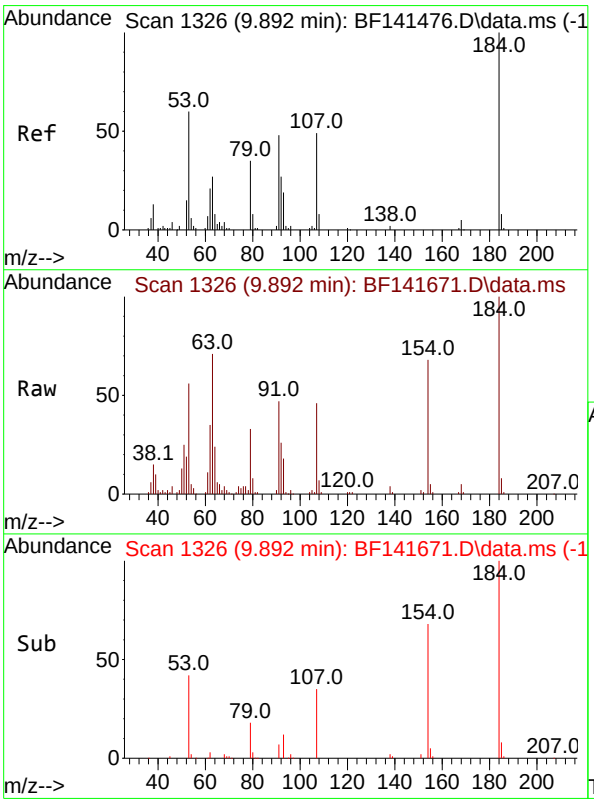
#53
3-Nitroaniline
Concen: 35.903 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 151324

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.4
92	116.0	93.7	140.5

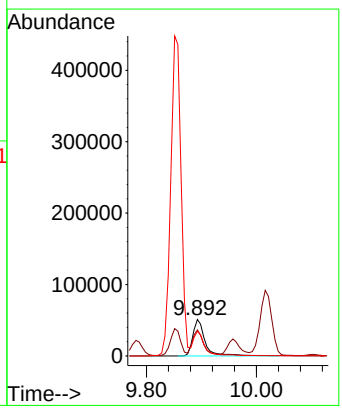


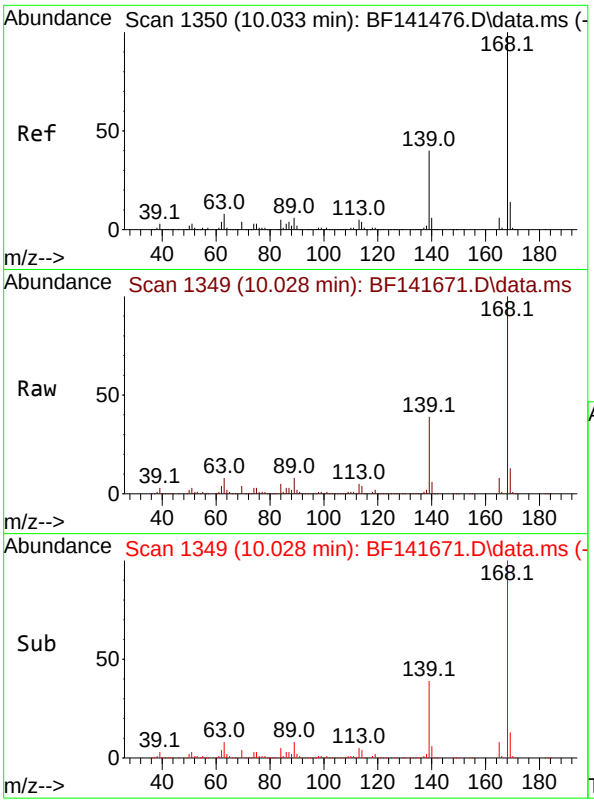


#54
2,4-Dinitrophenol
Concen: 34.347 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:184 Resp: 79940

Ion	Ratio	Lower	Upper
184	100		
63	71.5	61.0	91.6
154	67.8	59.9	89.9



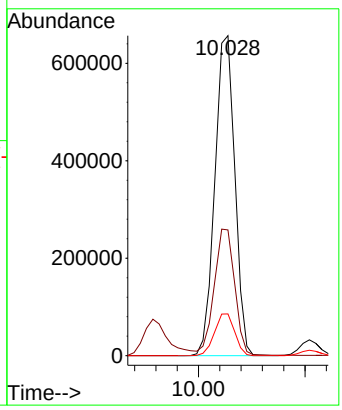


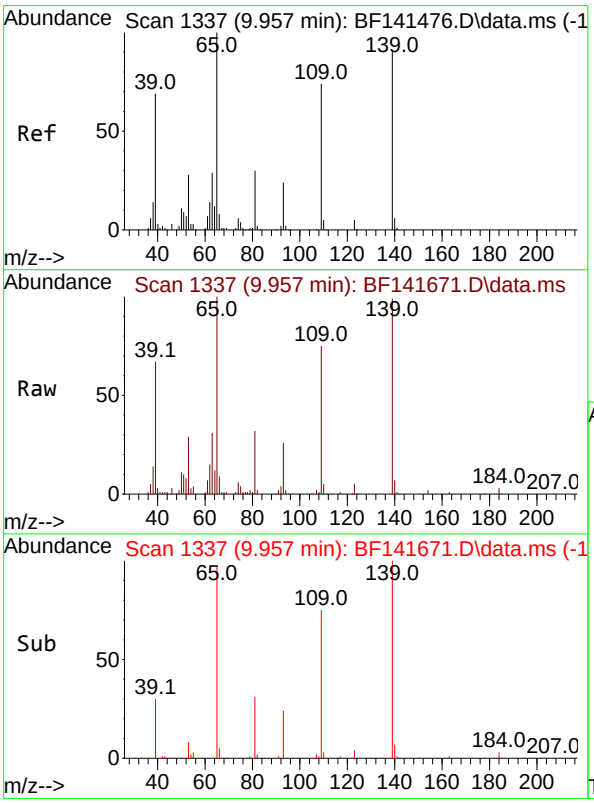
#55
Dibenzofuran
Concen: 38.487 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 854542

Ion	Ratio	Lower	Upper
168	100		
139	39.3	32.7	49.1
169	13.1	10.8	16.2

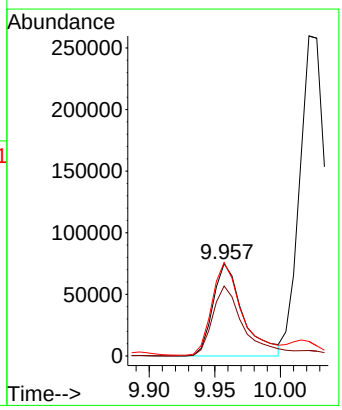


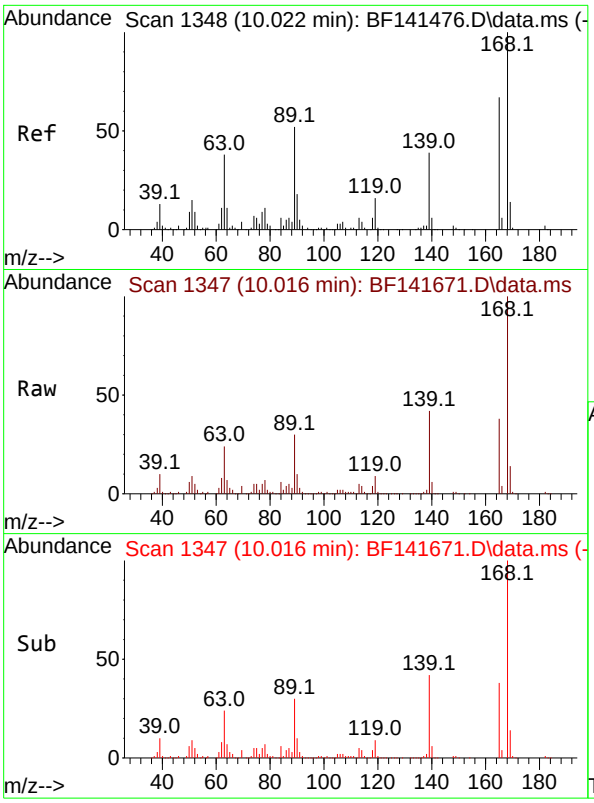


#56
4-Nitrophenol
Concen: 38.378 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:139 Resp: 120076

Ion	Ratio	Lower	Upper
139	100		
109	75.9	62.0	102.0
65	101.3	91.2	131.2



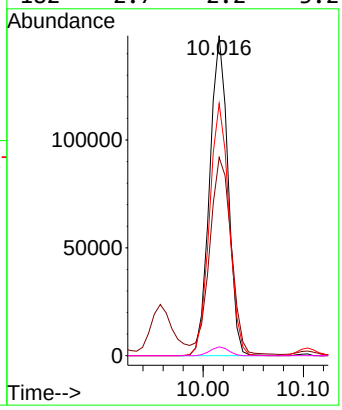


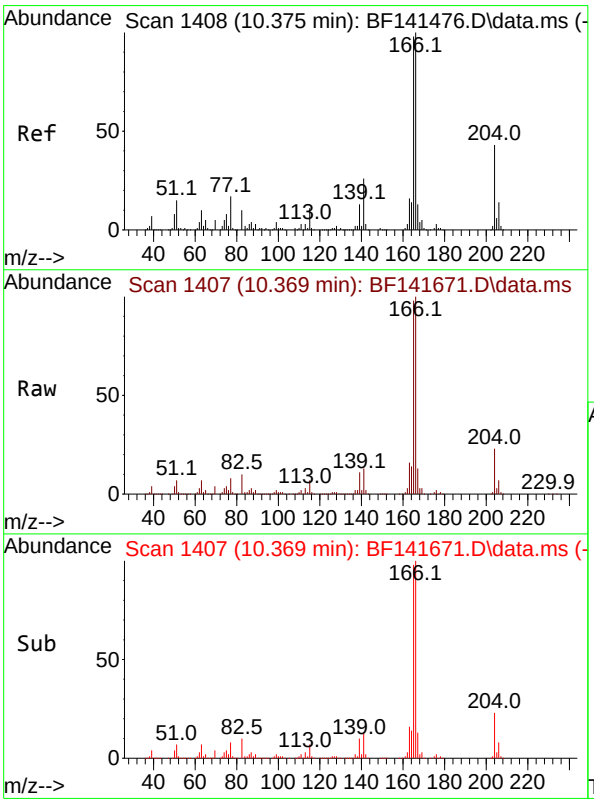
#57
2,4-Dinitrotoluene
Concen: 36.233 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 188887

Ion	Ratio	Lower	Upper
165	100		
63	62.0	46.4	69.6
89	78.8	61.8	92.6
182	2.7	2.2	3.2

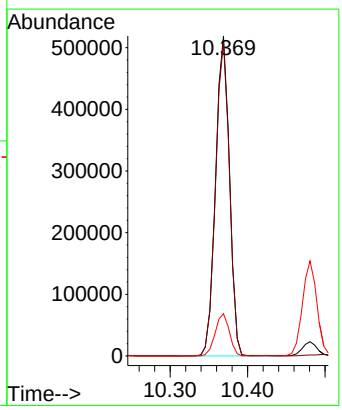


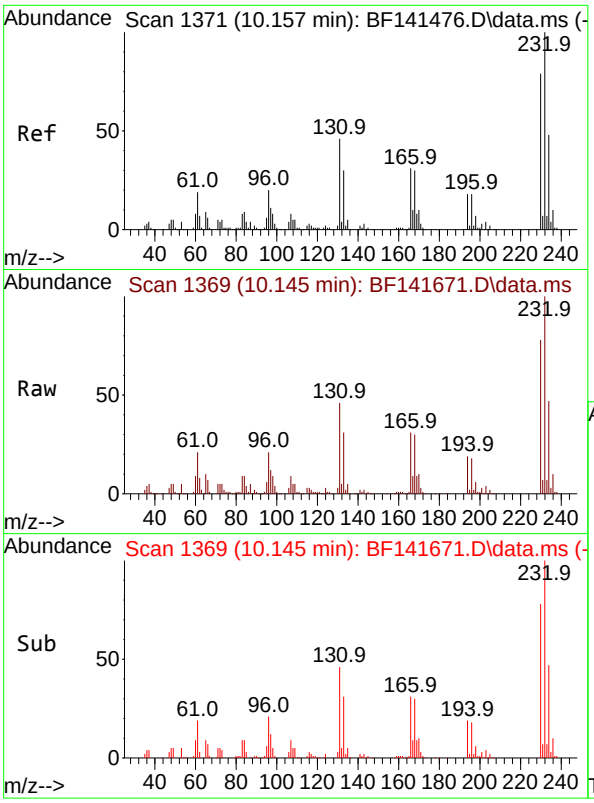


#58
Fluorene
Concen: 37.676 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:166 Resp: 646819

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.2	117.2
167	13.2	10.7	16.1



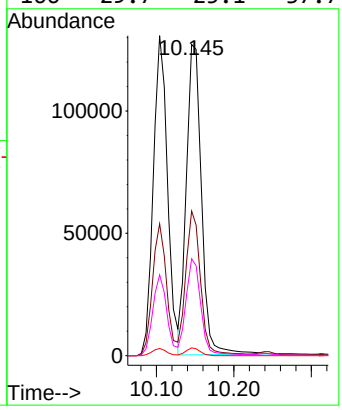


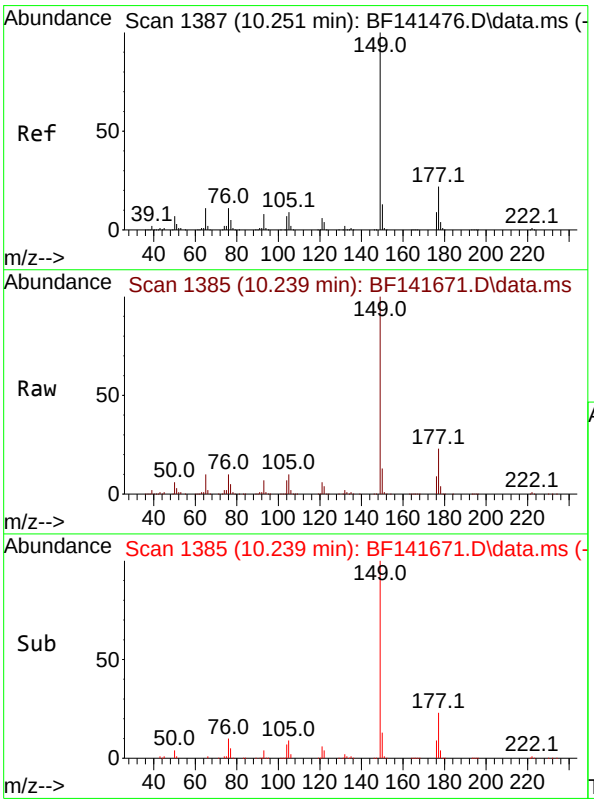
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.407 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 172210

Ion	Ratio	Lower	Upper
232	100		
131	45.3	39.2	58.8
130	2.3	2.1	3.1
166	29.7	25.1	37.7

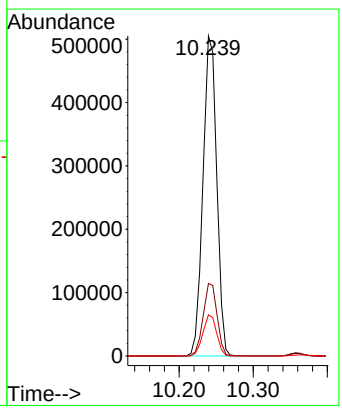


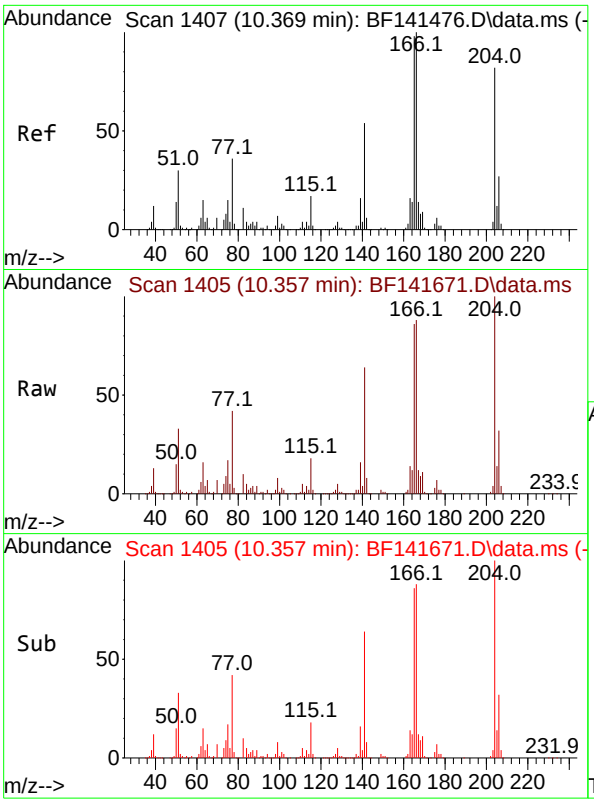


#60
Diethylphthalate
Concen: 36.963 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:149 Resp: 651471

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.8	26.6
150	12.8	10.1	15.1



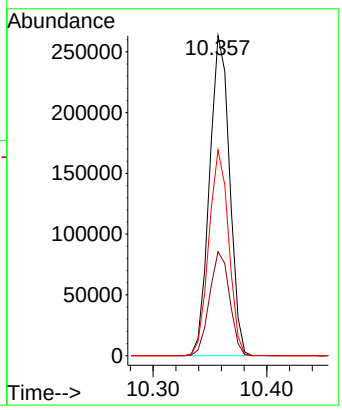


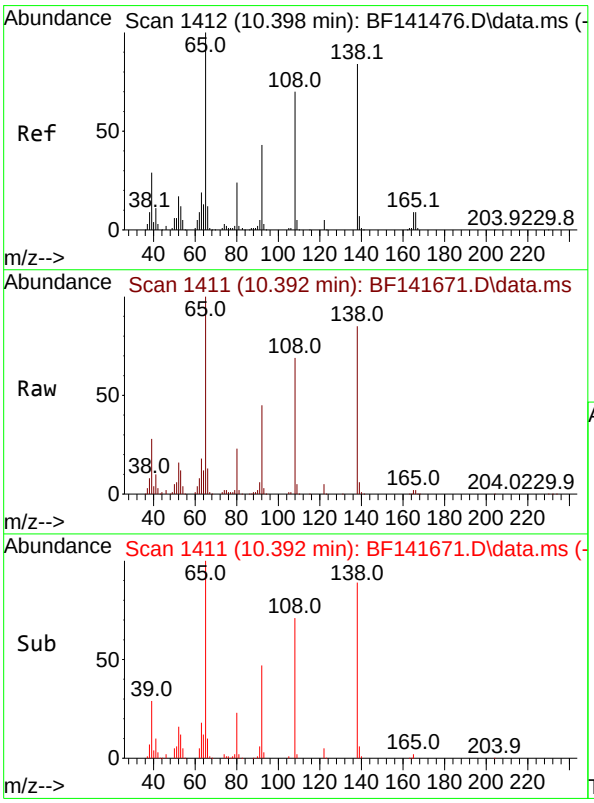
#61
4-Chlorophenyl-phenylether
Concen: 39.061 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 322608

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.6	40.0
141	64.2	51.9	77.9

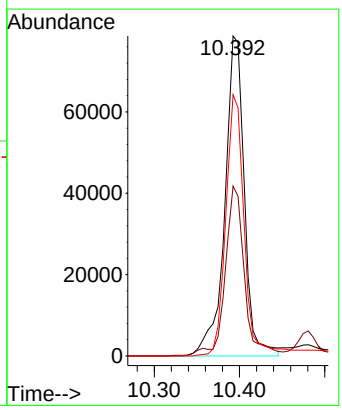


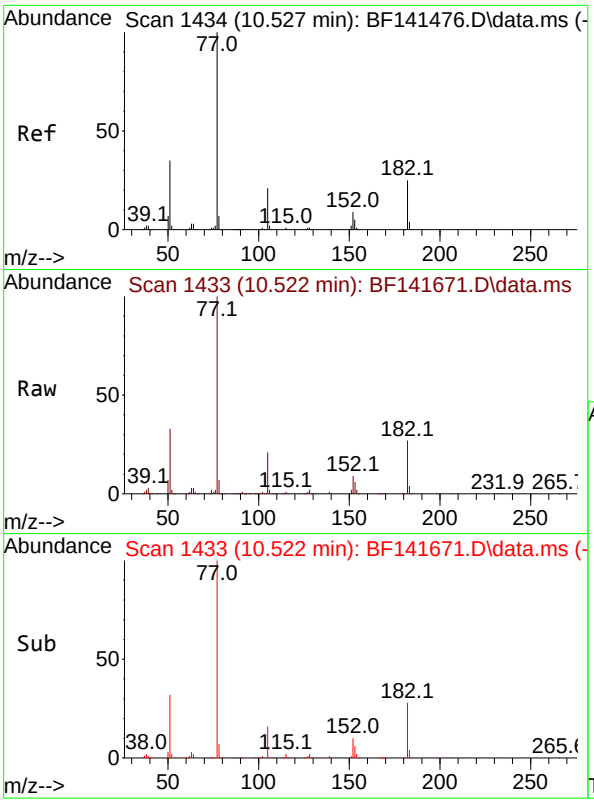


#62
4-Nitroaniline
Concen: 29.354 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:138 Resp: 125627

Ion	Ratio	Lower	Upper
138	100		
92	53.0	31.3	71.3
108	81.6	63.7	103.7



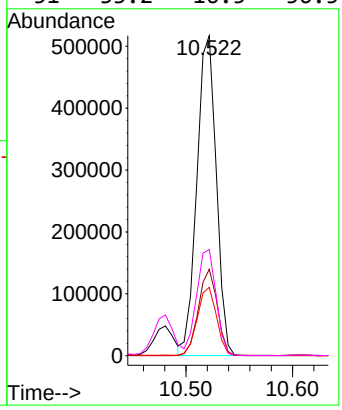


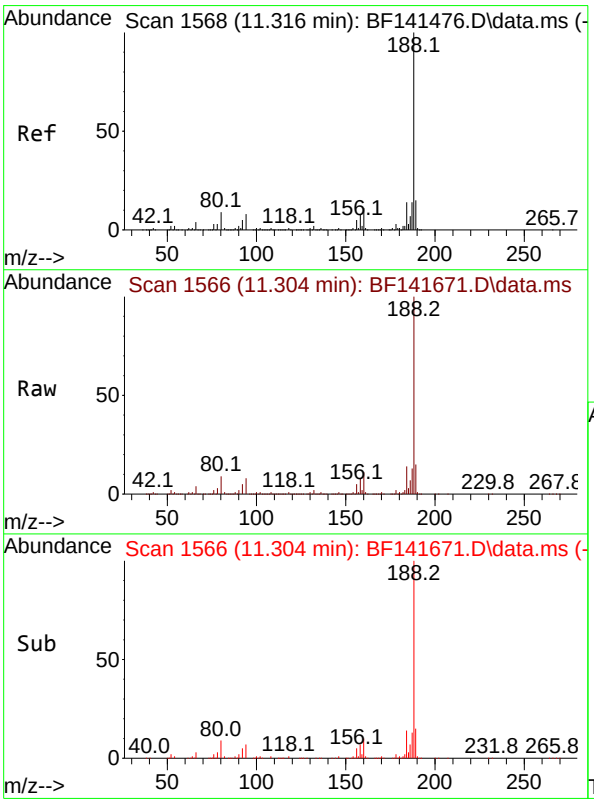
#63
Azobenzene
Concen: 37.362 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 654622

Ion	Ratio	Lower	Upper
77	100		
182	27.0	4.7	44.7
105	21.3	0.4	40.4
51	33.2	16.5	56.5

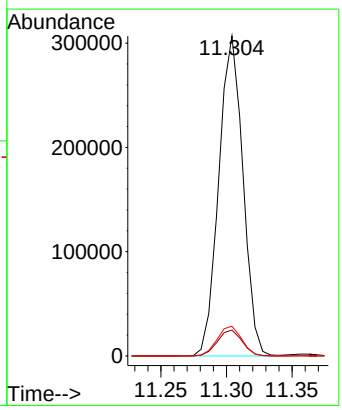


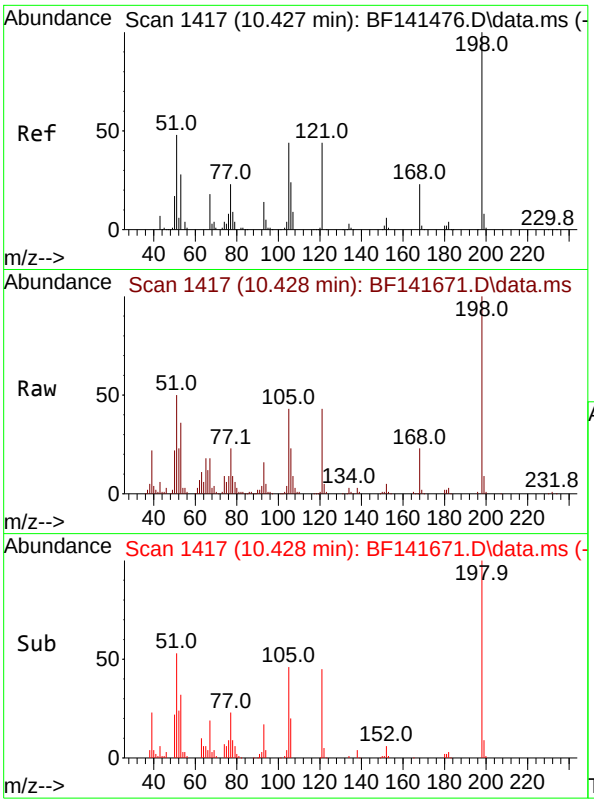


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:188 Resp: 393121

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	9.3	7.3	10.9



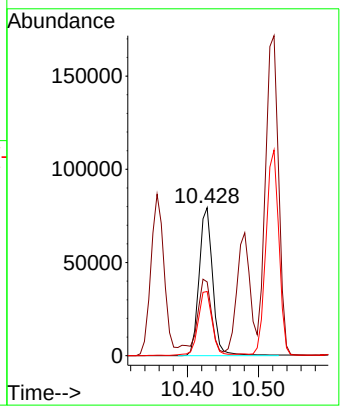


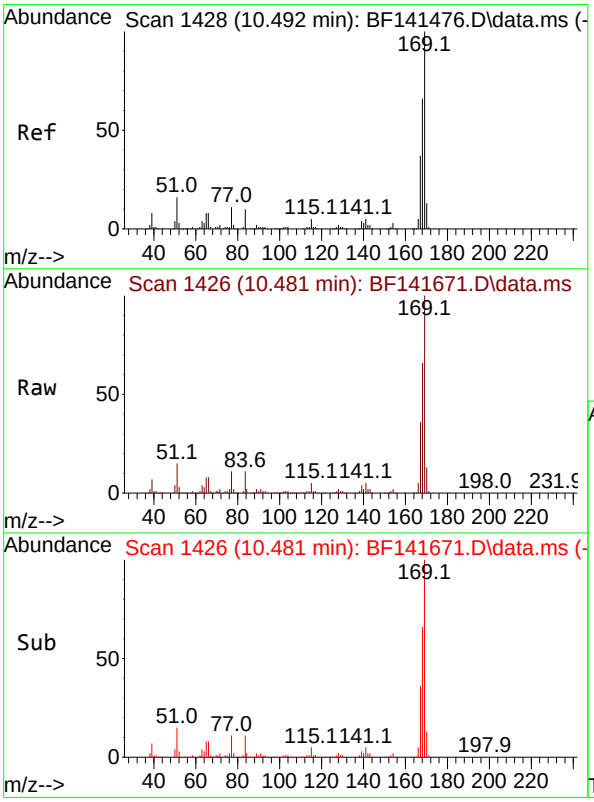
#65
4,6-Dinitro-2-methylphenol
Concen: 38.737 ng
RT: 10.428 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 105784

Ion	Ratio	Lower	Upper
198	100		
51	49.8	37.4	77.4
105	43.4	25.2	65.2

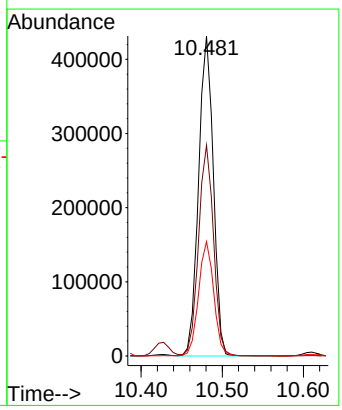


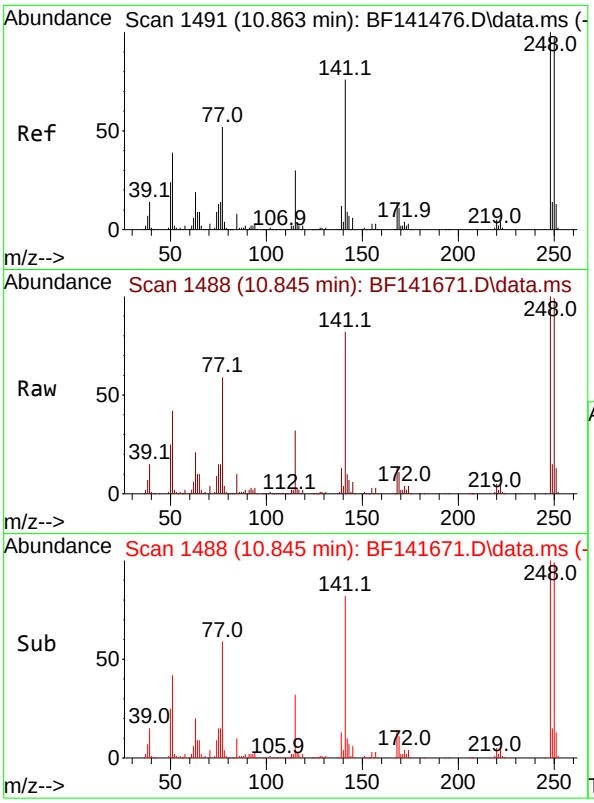


#66
n-Nitrosodiphenylamine
Concen: 43.256 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:169 Resp: 544346

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.3	79.9
167	35.8	29.4	44.2



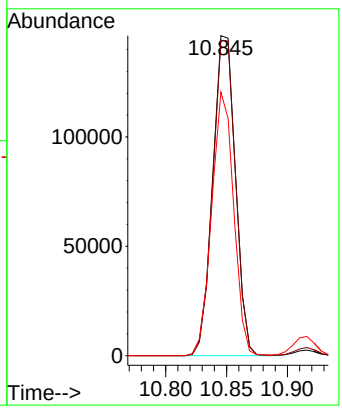


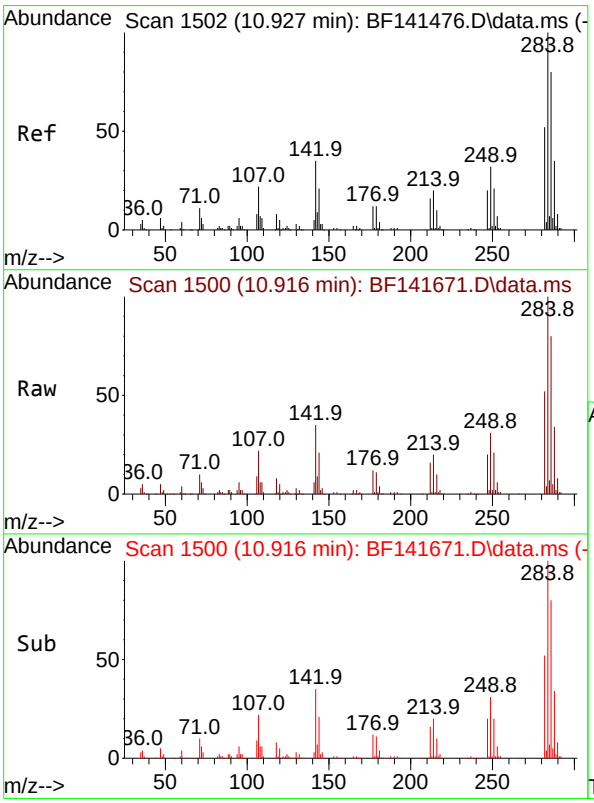
#67
4-Bromophenyl-phenylether
Concen: 43.357 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 190494

Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.8	116.6
141	82.3	60.6	90.8

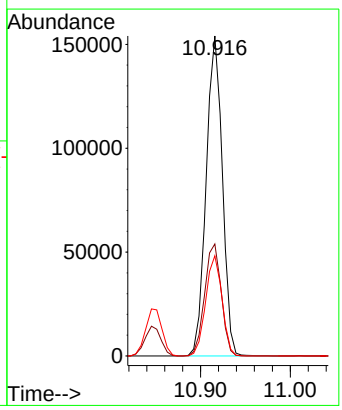


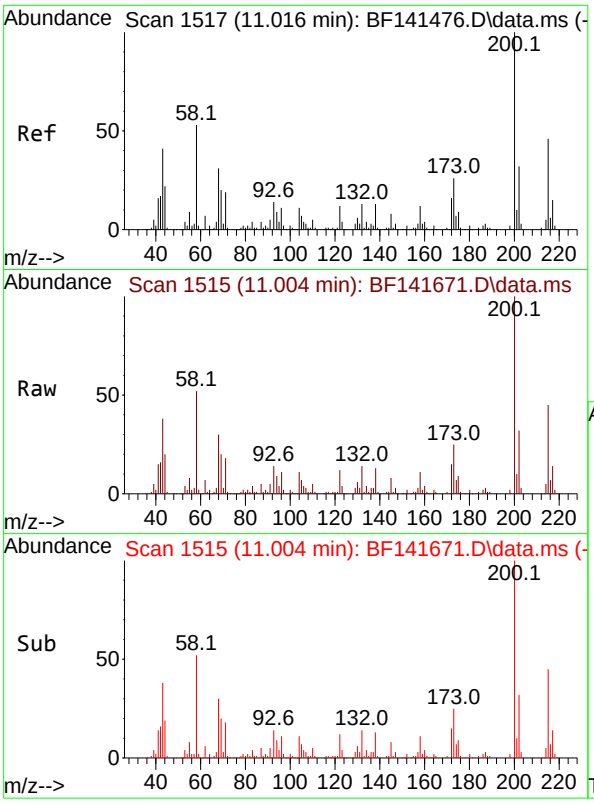


#68
Hexachlorobenzene
Concen: 42.697 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:284 Resp: 193174

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.0	42.0
249	31.3	25.8	38.8



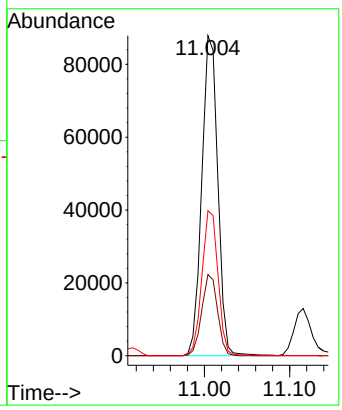


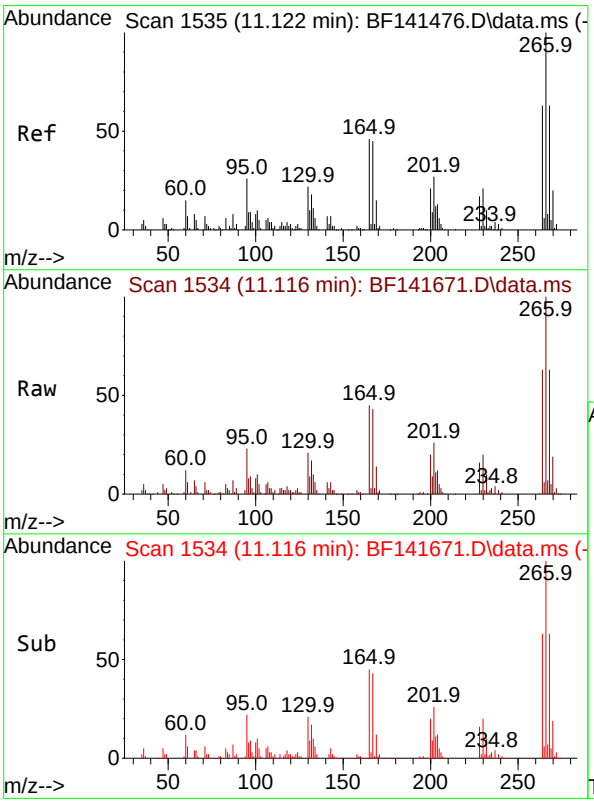
#69
Atrazine
Concen: 30.357 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 114605

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.9	45.9
215	45.3	25.9	65.9

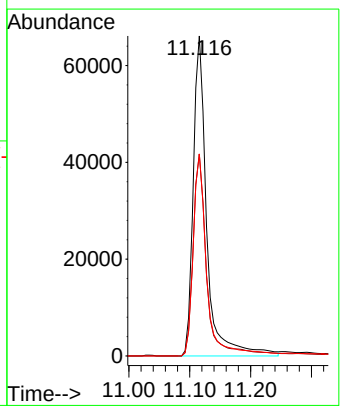


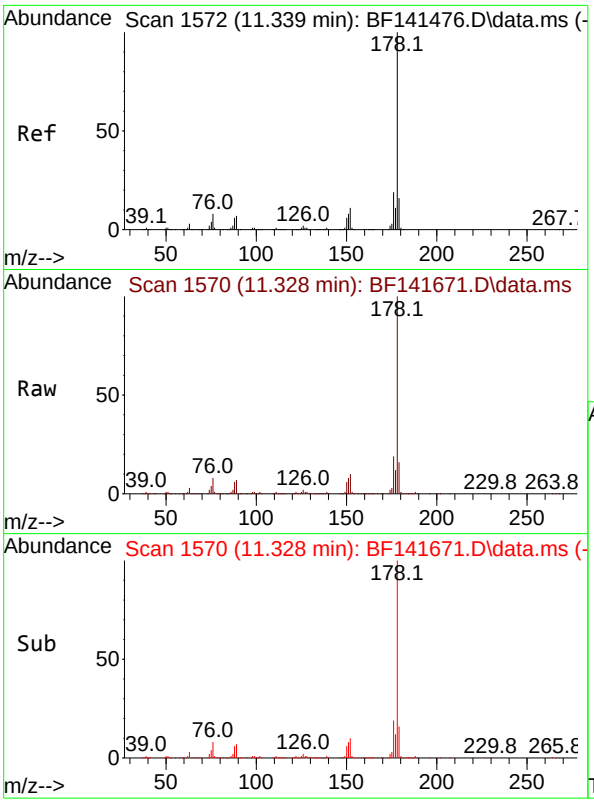


#70
Pentachlorophenol
Concen: 35.372 ng
RT: 11.116 min Scan# 1534
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:266 Resp: 102329

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.1	75.1
264	63.2	50.1	75.1



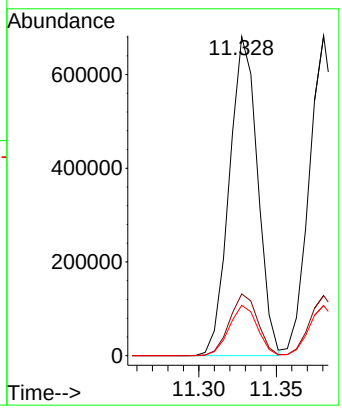


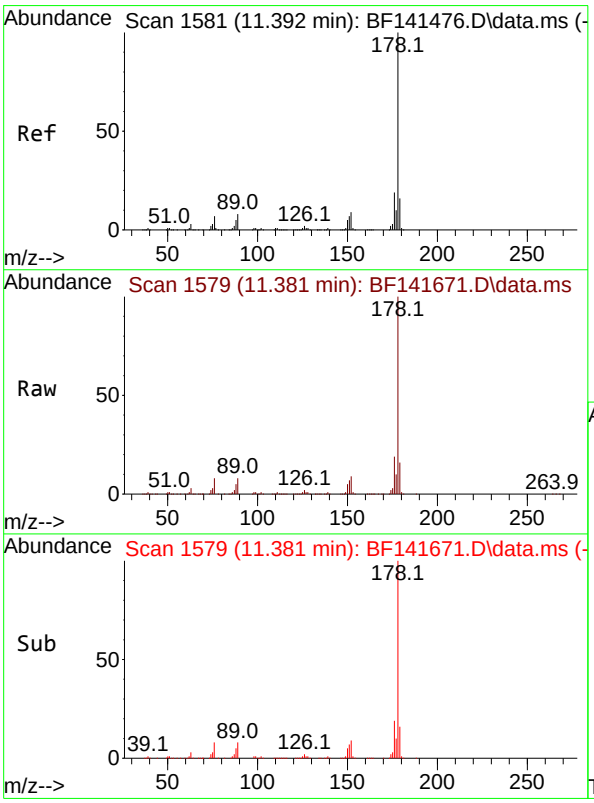
#71
Phenanthrene
Concen: 39.829 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 861878

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.8	12.4	18.6

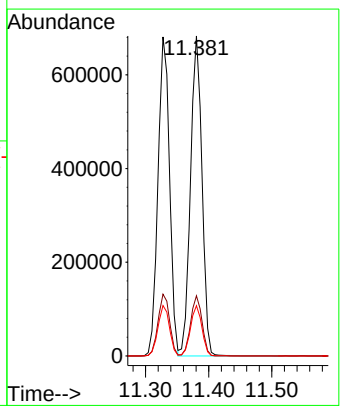


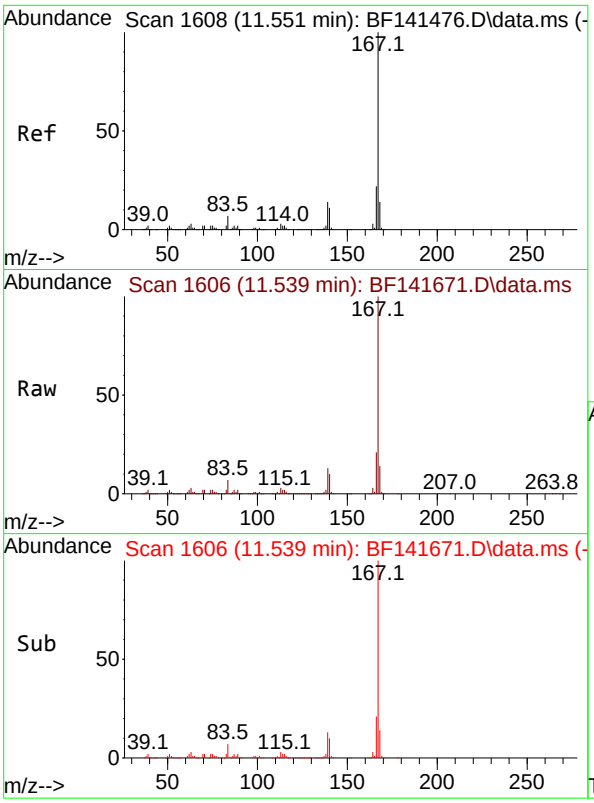


#72
Anthracene
Concen: 39.663 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:178 Resp: 862794

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.7	12.4	18.6



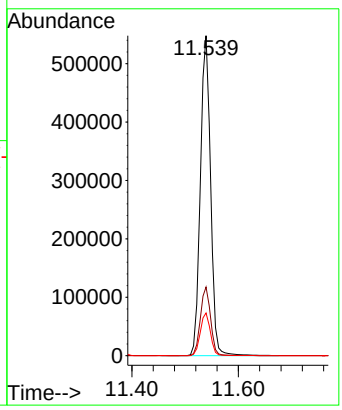


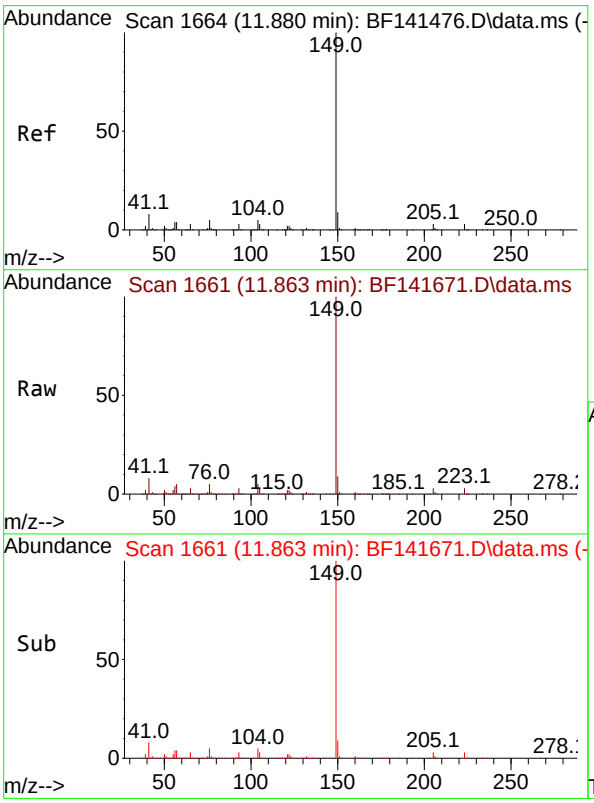
#73
Carbazole
Concen: 37.176 ng
RT: 11.539 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 727652

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	13.4	10.9	16.3

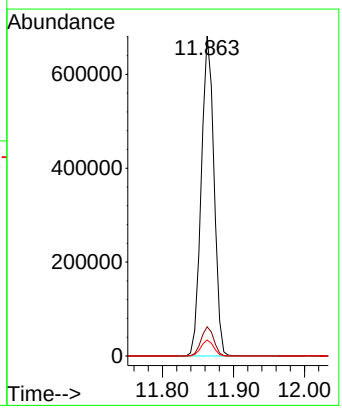


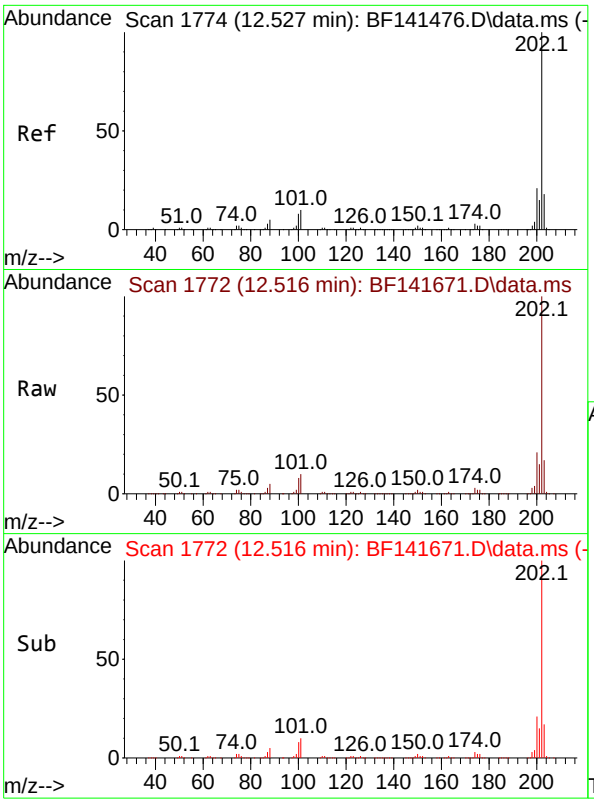


#74
Di-n-butylphthalate
Concen: 37.596 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:149 Resp: 849687

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2



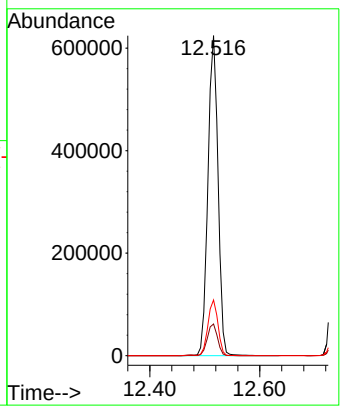


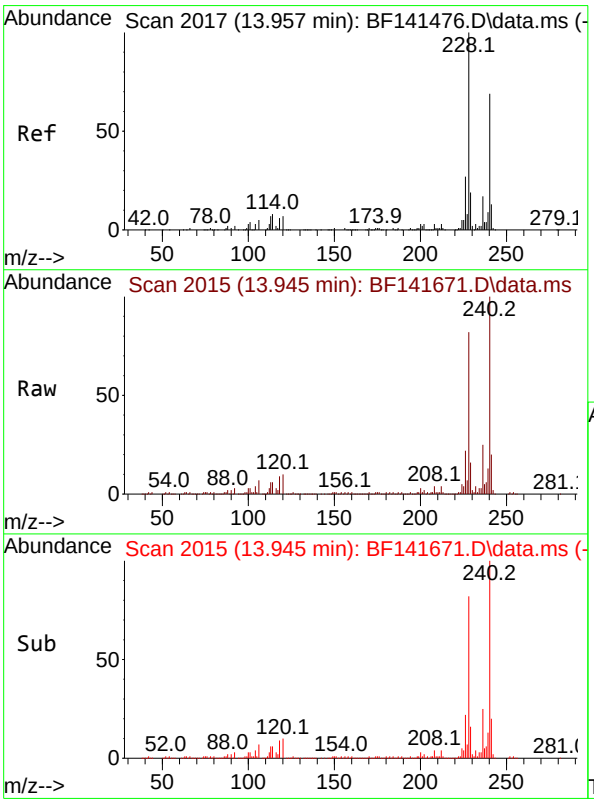
#75
Fluoranthene
Concen: 34.539 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 792391

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.4	0.0	37.6

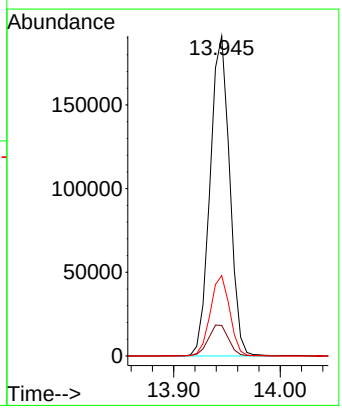


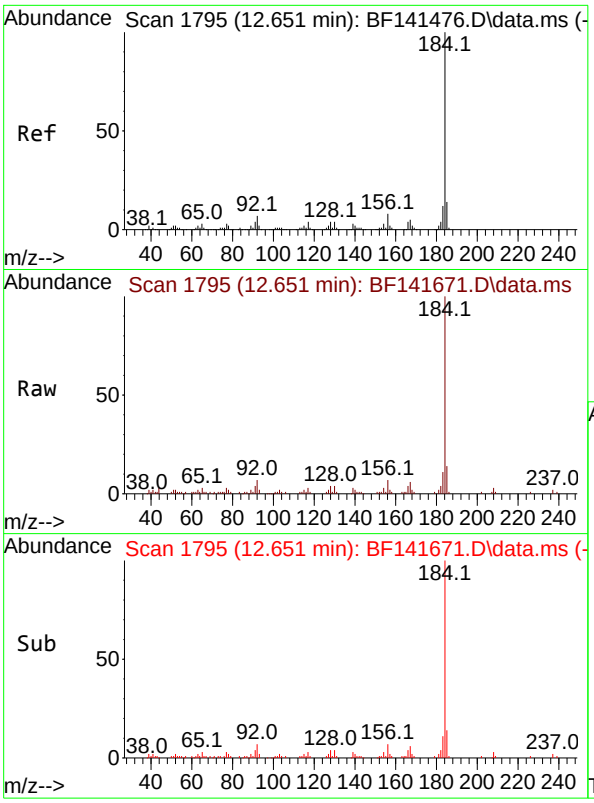


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:240 Resp: 243707

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.0	12.0
236	25.1	19.8	29.8



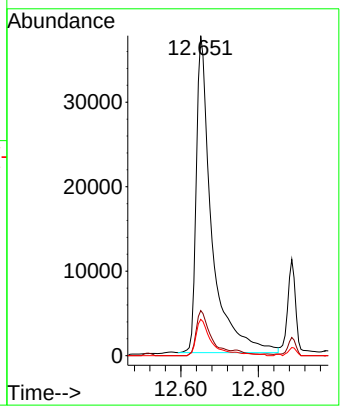


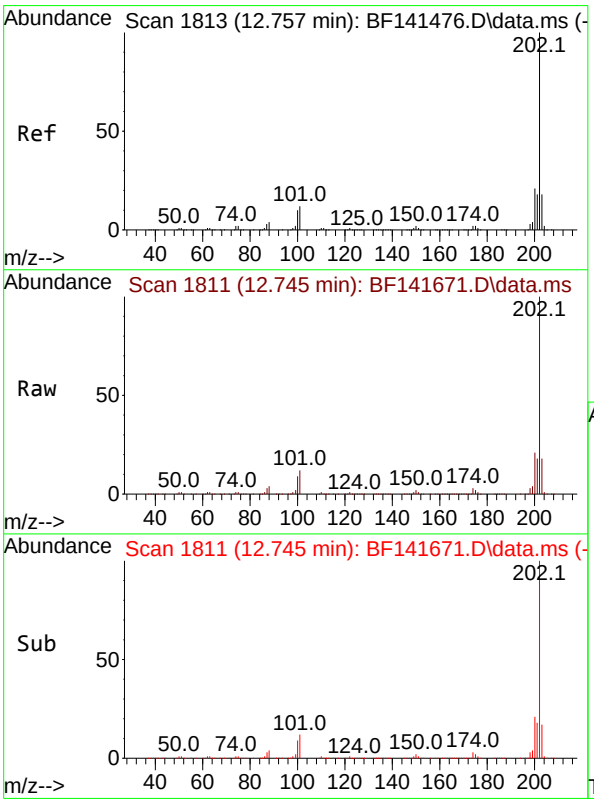
#77
Benzidine
Concen: 19.343 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 103965

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.4	9.3	13.9

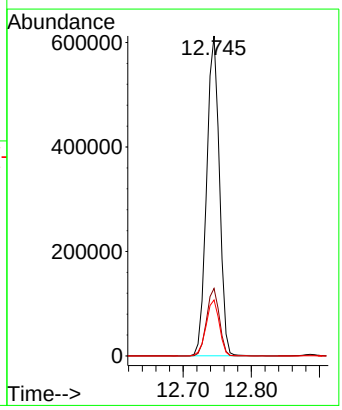


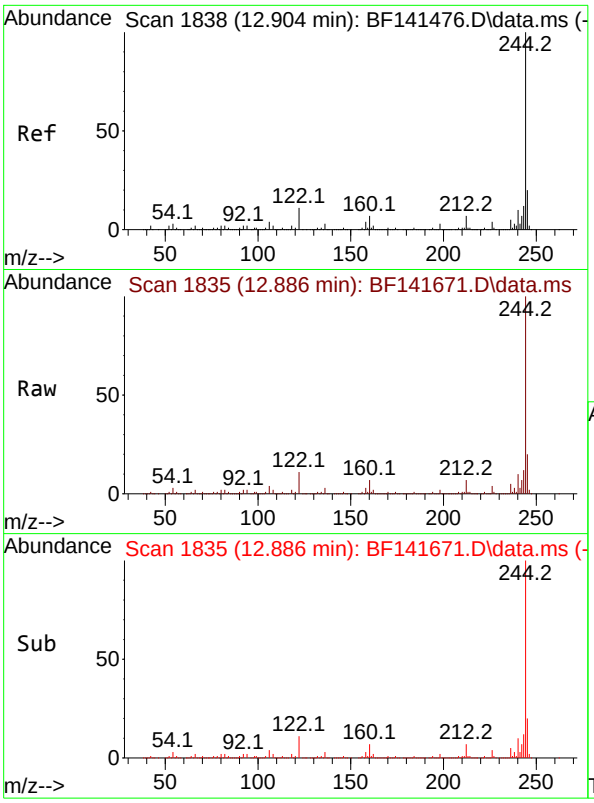


#78
Pyrene
Concen: 38.403 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:202 Resp: 796721

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.5	14.3	21.5



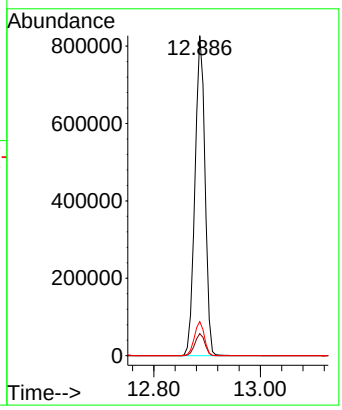


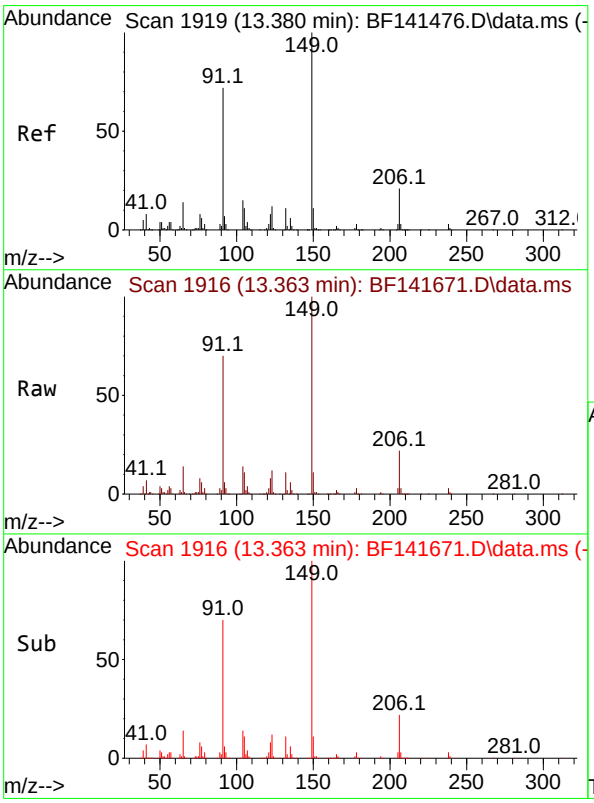
#79
Terphenyl-d14
Concen: 75.083 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1083904

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.6	8.4	12.6

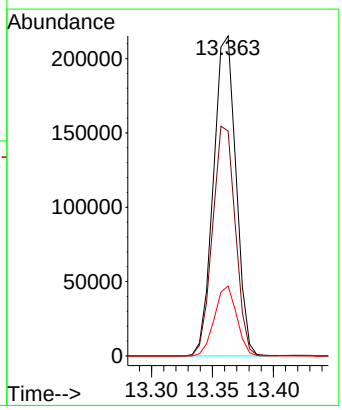


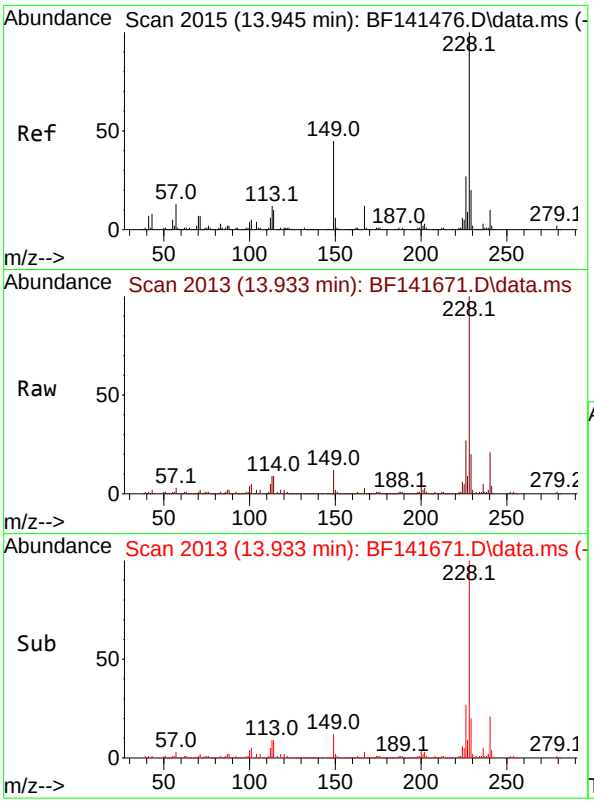


#80
Butylbenzylphthalate
Concen: 38.780 ng
RT: 13.363 min Scan# 1916
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:149 Resp: 278663

Ion	Ratio	Lower	Upper
149	100		
91	70.3	57.8	86.8
206	21.8	16.7	25.1



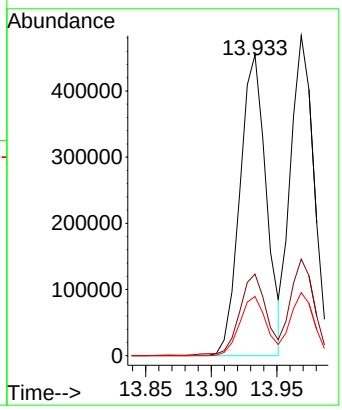


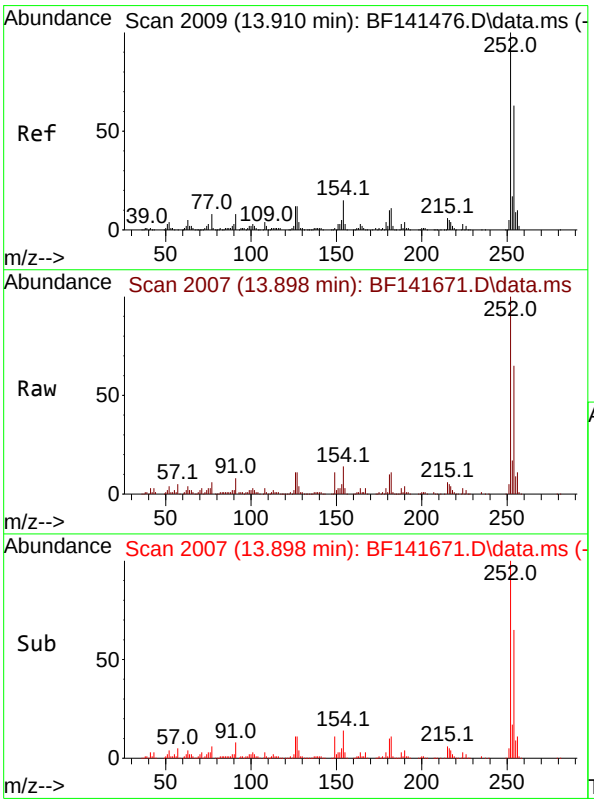
#81
Benzo(a)anthracene
Concen: 39.349 ng
RT: 13.933 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 637454

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.7	15.8	23.6

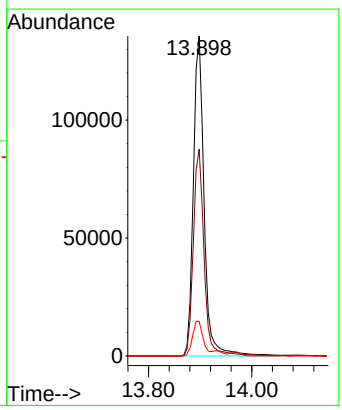


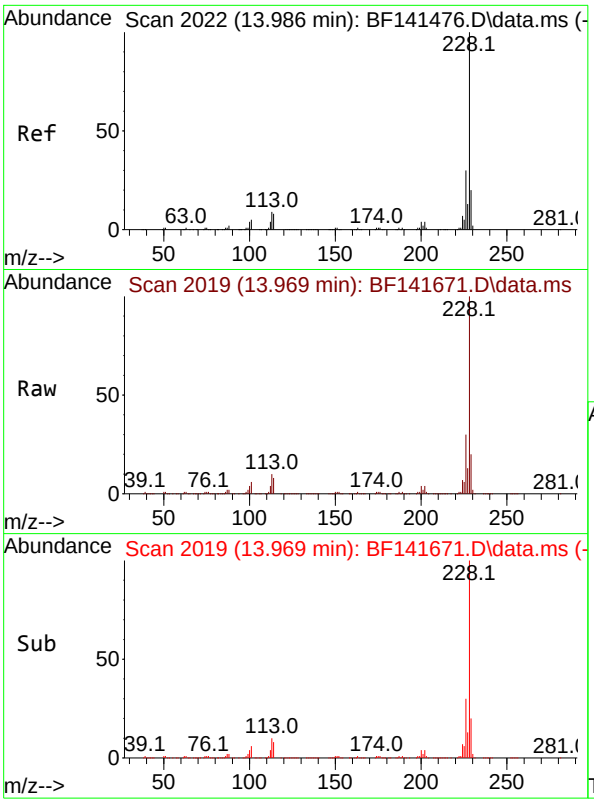


#82
3,3'-Dichlorobenzidine
Concen: 42.330 ng
RT: 13.898 min Scan# 2007
Delta R.T. -0.017 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:252 Resp: 196434

Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.6	76.0
126	10.7	9.3	13.9



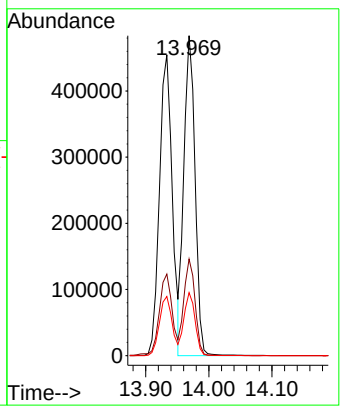


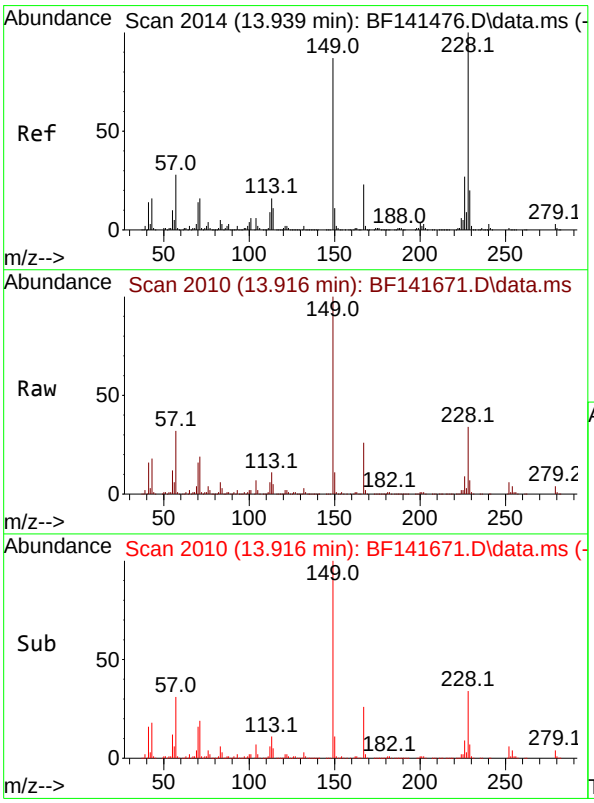
#83
Chrysene
Concen: 40.072 ng
RT: 13.969 min Scan# 2(
Delta R.T. -0.023 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 599411

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.7	15.7	23.5

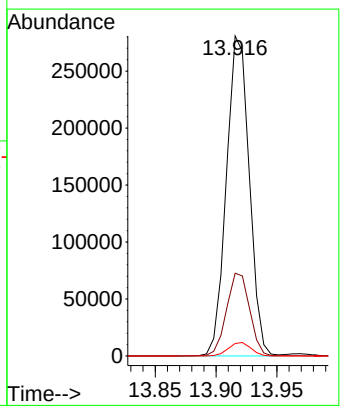


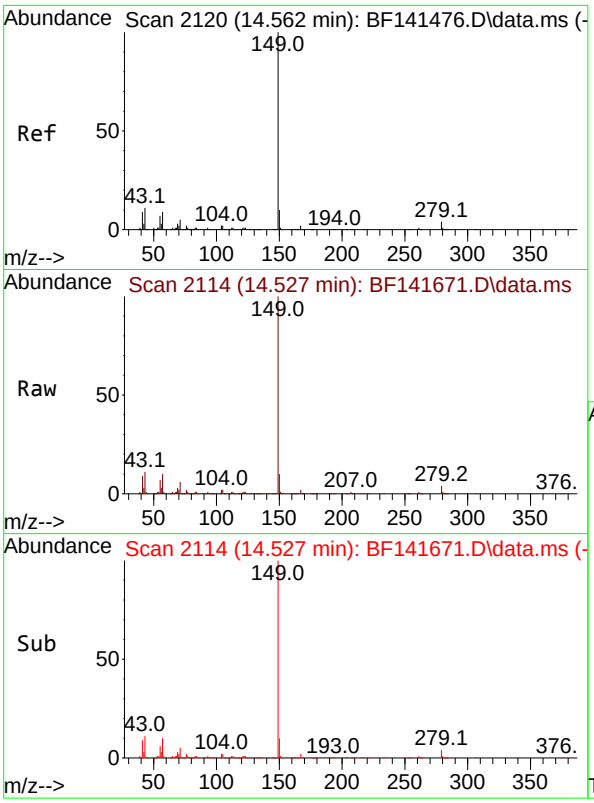


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.323 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:149 Resp: 367321

Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.4	32.0
279	3.9	3.1	4.7



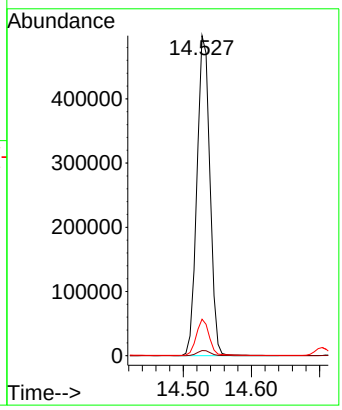


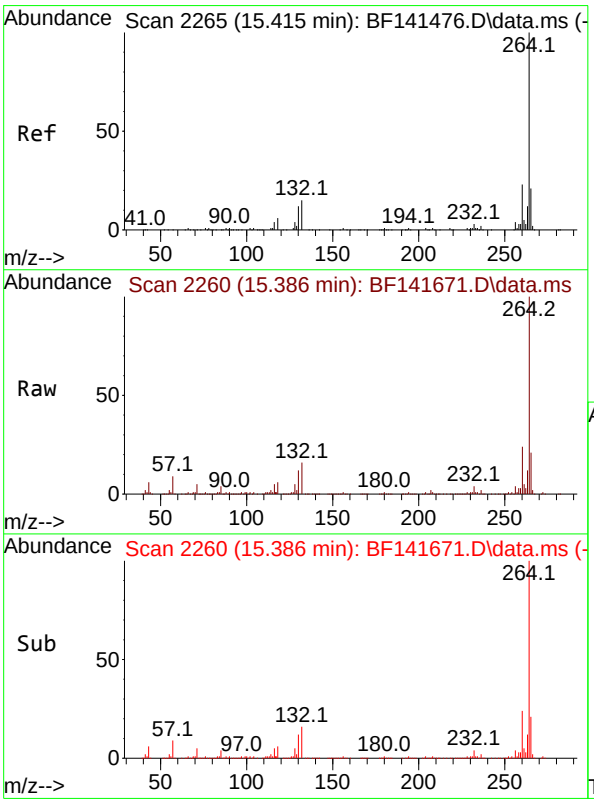
#85
Di-n-octyl phthalate
Concen: 56.999 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 659013

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.2	9.5	14.3

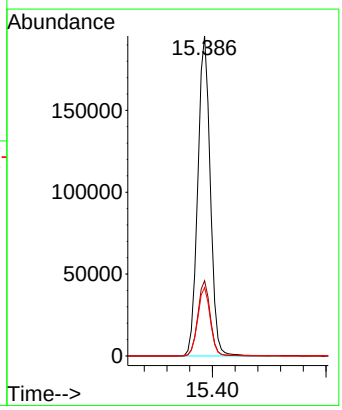


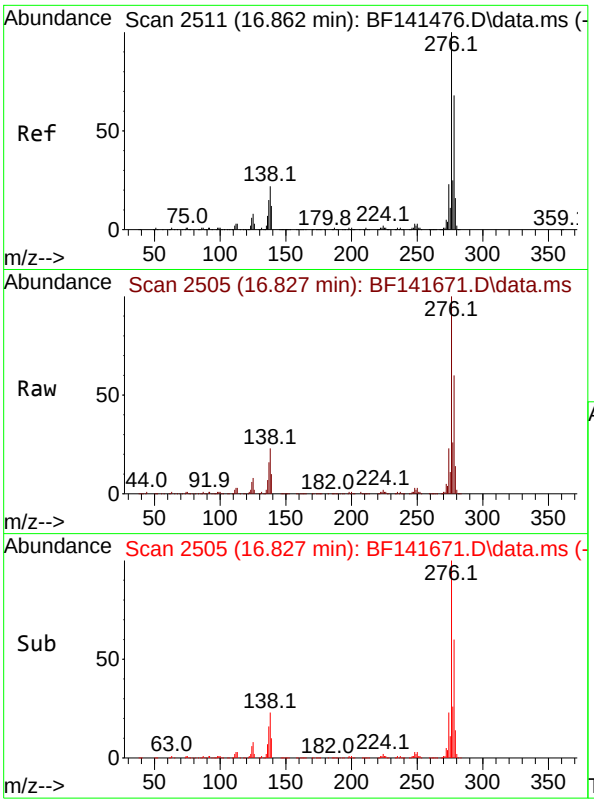


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.029 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:264 Resp: 298525

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.4	17.0	25.4



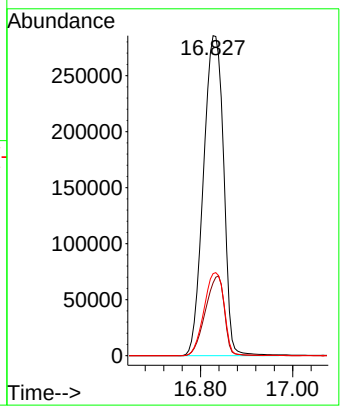


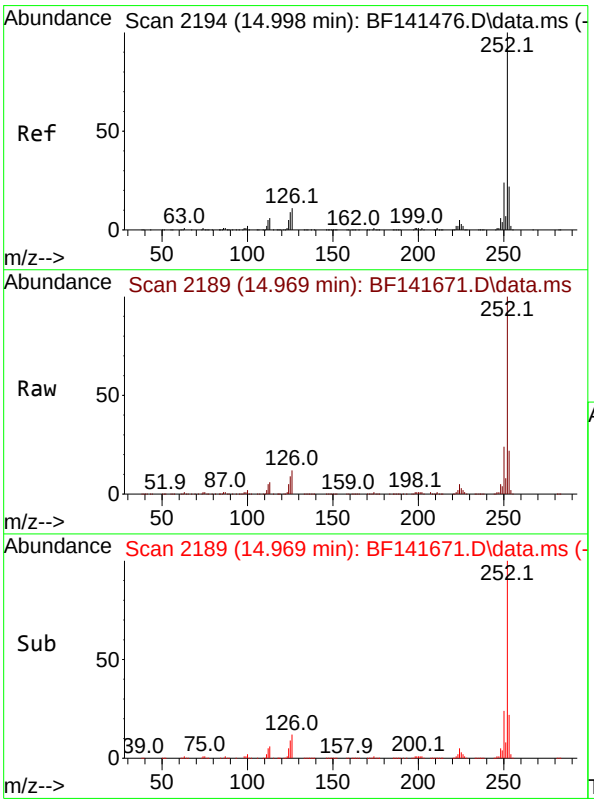
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.063 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 868109

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.0	27.0
277	25.8	20.4	30.6

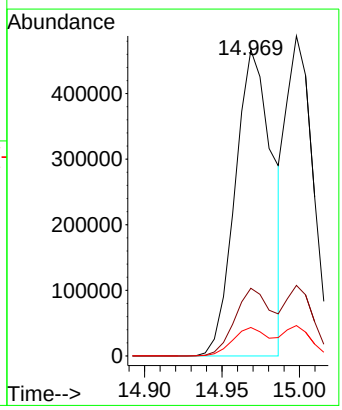


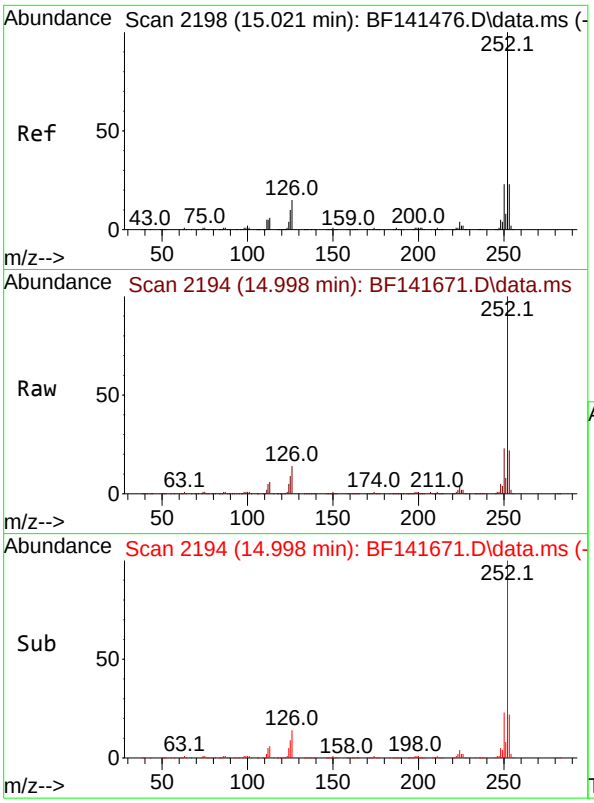


#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 14.969 min Scan# 2189
Delta R.T. -0.035 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:252 Resp: 779556

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.3	7.0	10.6



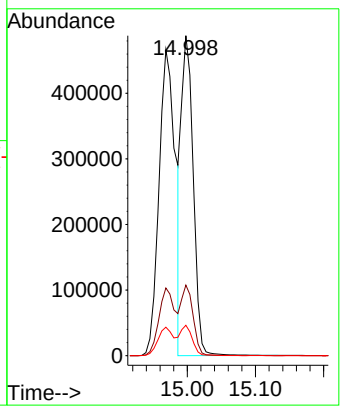


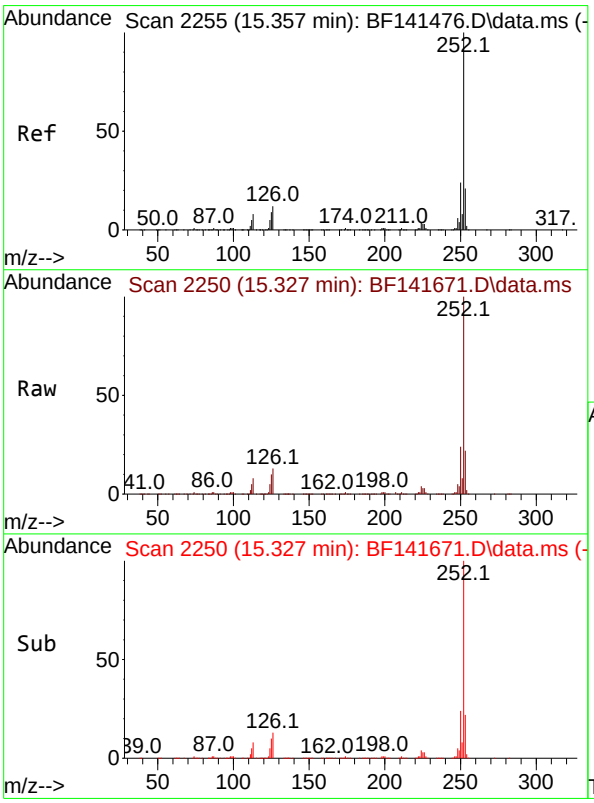
#89
Benzo(k)fluoranthene
Concen: 34.511 ng
RT: 14.998 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 590697

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.5	7.4	11.0

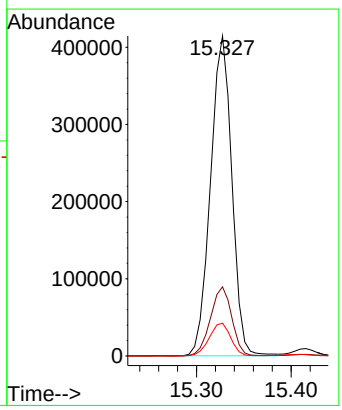


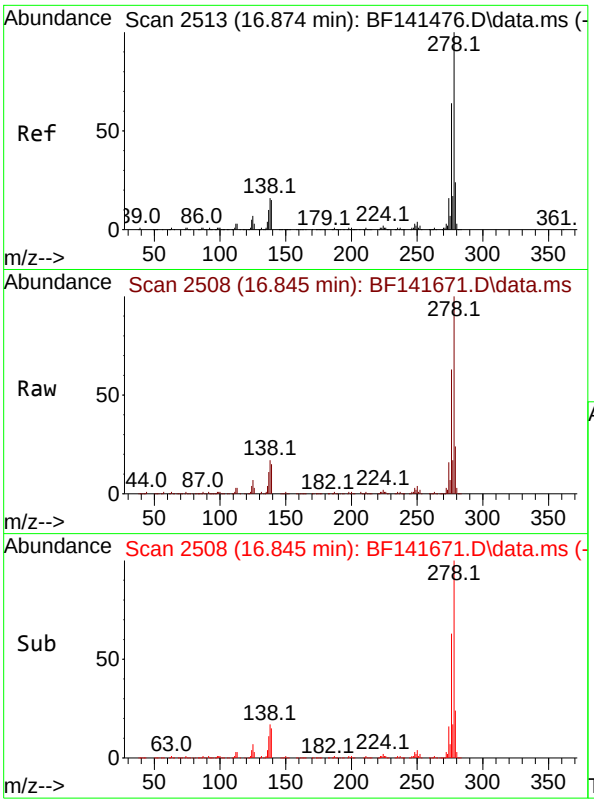


#90
Benzo(a)pyrene
Concen: 40.004 ng
RT: 15.327 min Scan# 2250
Delta R.T. -0.035 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:252 Resp: 648841

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	10.2	7.4	11.2



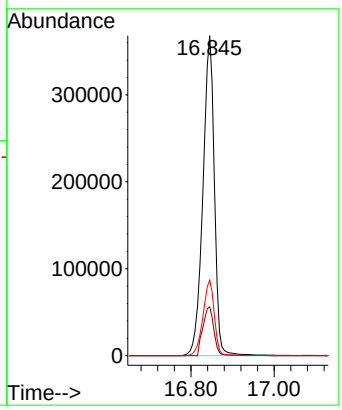


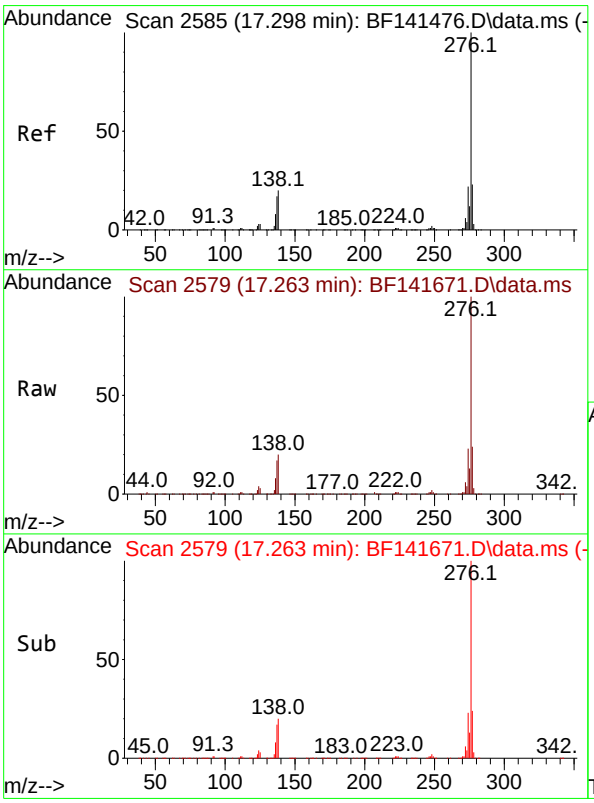
#91
Dibenzo(a,h)anthracene
Concen: 47.316 ng
RT: 16.845 min Scan# 2
Delta R.T. -0.047 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 707192

Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.8	17.6
279	23.6	19.1	28.7

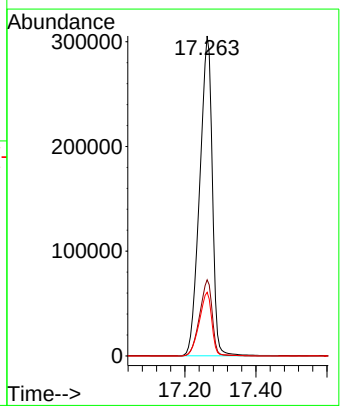




#92
Benzo(g,h,i)perylene
Concen: 48.272 ng
RT: 17.263 min Scan# 2579
Delta R.T. -0.053 min
Lab File: BF141671.D
Acq: 19 Feb 2025 12:47

Tgt Ion:276 Resp: 755000

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	19.9	15.9	23.9



Sample Results: **BF141671.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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	163#	-0.01
2		1,4-Dioxane	0.513	0.509	0.8	160#	-0.02
3		Pyridine	1.222	1.223	-0.1	157#	-0.02
4		n-Nitrosodimethylamine	0.809	0.762	5.8	151#	-0.03
5	S	2-Fluorophenol	1.276	1.268	0.6	160#	0.00
6		Aniline	1.513	1.321	12.7	140	-0.01
7	S	Phenol-d6	1.612	1.516	6.0	153#	0.00
8		2-Chlorophenol	1.378	1.347	2.2	159#	-0.01
9		Benzaldehyde	0.857	0.942	-9.9	186#	0.00
10	C	Phenol	1.678	1.559	7.1	150#	-0.01
11		bis(2-Chloroethyl)ether	1.261	1.243	1.4	160#	0.00
12		1,3-Dichlorobenzene	1.455	1.450	0.3	164#	-0.01
13	C	1,4-Dichlorobenzene	1.487	1.461	1.7	161#	0.00
14		1,2-Dichlorobenzene	1.380	1.352	2.0	160#	0.00
15		Benzyl Alcohol	1.236	1.100	11.0	142	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	1.880	12.9	141	0.00
17		2-Methylphenol	1.079	0.993	8.0	150	0.00
18		Hexachloroethane	0.550	0.548	0.4	161#	-0.01
19	P	n-Nitroso-di-n-propylamine	0.964	0.853	11.5	143	-0.01
20		3+4-Methylphenols	1.371	1.229	10.4	146	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	151#	0.00
22		Acetophenone	0.498	0.483	3.0	148	-0.01
23	S	Nitrobenzene-d5	0.383	0.376	1.8	147	-0.01
24		Nitrobenzene	0.374	0.363	2.9	146	0.00
25		Isophorone	0.611	0.586	4.1	145	-0.01
26	C	2-Nitrophenol	0.186	0.189	-1.6	148	0.00
27		2,4-Dimethylphenol	0.217	0.217	0.0	146	0.00
28		bis(2-Chloroethoxy)methane	0.392	0.385	1.8	147	-0.01
29	C	2,4-Dichlorophenol	0.294	0.294	0.0	149	0.00
30		1,2,4-Trichlorobenzene	0.320	0.324	-1.3	154#	0.00
31		Naphthalene	1.041	1.031	1.0	150	-0.01
32		Benzoic acid	0.226	0.199	11.9	131	-0.01
33		4-Chloroaniline	0.363	0.343	5.5	142	-0.01
34	C	Hexachlorobutadiene	0.192	0.198	-3.1	155#	0.00
35		Caprolactam	0.089	0.080	10.1	130	-0.02
36	C	4-Chloro-3-methylphenol	0.325	0.306	5.8	140	0.00
37		2-Methylnaphthalene	0.677	0.645	4.7	145	0.00
38		1-Methylnaphthalene	0.656	0.621	5.3	143	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	136	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.579	0.614	-6.0	143	0.00
41	P	Hexachlorocyclopentadiene	0.192	0.175	8.9	117	-0.01
42	S	2,4,6-Tribromophenol	0.201	0.184	8.5	125	-0.02
43	C	2,4,6-Trichlorophenol	0.374	0.382	-2.1	138	0.00
44		2,4,5-Trichlorophenol	0.405	0.412	-1.7	137	0.00
45	S	2-Fluorobiphenyl	1.298	1.297	0.1	139	-0.01
46		1,1'-Biphenyl	1.551	1.580	-1.9	140	-0.01
47		2-Chloronaphthalene	1.147	1.175	-2.4	141	-0.01

Sample Results: **BF141671.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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	0.363	5.7	127	-0.01
49		Acenaphthylene	1.705	1.672	1.9	134	-0.01
50		Dimethylphthalate	1.358	1.323	2.6	134	-0.02
51		2,6-Dinitrotoluene	0.297	0.289	2.7	131	-0.01
52	C	Acenaphthene	1.147	1.117	2.6	132	-0.02
53		3-Nitroaniline	0.319	0.287	10.0	122	-0.01
54	P	2,4-Dinitrophenol	0.176	0.151	14.2	117	-0.01
55		Dibenzofuran	1.683	1.619	3.8	132	-0.01
56	P	4-Nitrophenol	0.237	0.228	3.8	124	-0.01
57		2,4-Dinitrotoluene	0.395	0.358	9.4	123	-0.01
58		Fluorene	1.301	1.226	5.8	130	-0.01
59		2,3,4,6-Tetrachlorophenol	0.349	0.326	6.6	128	-0.02
60		Diethylphthalate	1.336	1.234	7.6	127	-0.02
61		4-Chlorophenyl-phenylether	0.626	0.611	2.4	134	-0.02
62		4-Nitroaniline	0.324	0.238	26.5#	97	-0.02
63		Azobenzene	1.328	1.240	6.6	128	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	117	-0.01
65		4,6-Dinitro-2-methylphenol	0.139	0.135	2.9	111	-0.01
66	c	n-Nitrosodiphenylamine	0.640	0.692	-8.1	129	-0.02
67		4-Bromophenyl-phenylether	0.224	0.242	-8.0	128	-0.02
68		Hexachlorobenzene	0.230	0.246	-7.0	127	-0.01
69		Atrazine	0.192	0.146	24.0	92	-0.02
70	C	Pentachlorophenol	0.147	0.130	11.6	99	-0.01
71		Phenanthrene	1.101	1.096	0.5	118	-0.02
72		Anthracene	1.107	1.097	0.9	118	-0.02
73		Carbazole	0.996	0.925	7.1	110	-0.01
74		Di-n-butylphthalate	1.150	1.081	6.0	111	-0.02
75	C	Fluoranthene	1.167	1.008	13.6	102	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	108	-0.02
77		Benzidine	0.441	0.213	51.7#	44#	0.00
78		Pyrene	1.703	1.635	4.0	101	-0.02
79	S	Terphenyl-d14	1.185	1.112	6.2	100	-0.02
80		Butylbenzylphthalate	0.590	0.572	3.1	101	-0.02
81		Benzo(a)anthracene	1.329	1.308	1.6	105	-0.02
82		3,3'-Dichlorobenzidine	0.381	0.403	-5.8	115	-0.02
83		Chrysene	1.228	1.230	-0.2	111	-0.02
84		Bis(2-ethylhexyl)phthalate	0.665	0.754	-13.4	118	-0.02
85	c	Di-n-octyl phthalate	0.949	1.352	-42.5#	151#	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	163#	-0.03
87		Indeno(1,2,3-cd)pyrene	1.236	1.454	-17.6	184#	-0.05
88		Benzo(b)fluoranthene	1.343	1.306	2.8	160#	-0.04
89		Benzo(k)fluoranthene	1.147	0.989	13.8	141	-0.04
90	C	Benzo(a)pyrene	1.087	1.087	0.0	164#	-0.04
91		Dibenzo(a,h)anthracene	1.001	1.184	-18.3	184#	-0.05
92		Benzo(g,h,i)perylene	1.048	1.265	-20.7	188#	-0.05

Sample Results: **BF141671.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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 = 1

Sample Results: **BF141671.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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	163	-0.01
2		1,4-Dioxane	40.000	39.659	0.9	160	-0.02
3		Pyridine	40.000	40.050	-0.1	157	-0.02
4		n-Nitrosodimethylamine	40.000	37.679	5.8	151	-0.03
5	S	2-Fluorophenol	80.000	79.539	0.6	160	0.00
6		Aniline	40.000	34.943	12.6	140	-0.01
7	S	Phenol-d6	80.000	75.197	6.0	153	0.00
8		2-Chlorophenol	40.000	39.088	2.3	159	-0.01
9		Benzaldehyde	40.000	43.983	-10.0	186	0.00
10	C	Phenol	40.000	37.148	7.1	150	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.447	1.4	160	0.00
12		1,3-Dichlorobenzene	40.000	39.863	0.3	164	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.292	1.8	161	0.00
14		1,2-Dichlorobenzene	40.000	39.182	2.0	160	0.00
15		Benzyl Alcohol	40.000	35.584	11.0	142	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.855	12.9	141	0.00
17		2-Methylphenol	40.000	36.816	8.0	150	0.00
18		Hexachloroethane	40.000	39.831	0.4	161	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	35.385	11.5	143	-0.01
20		3+4-Methylphenols	40.000	35.848	10.4	146	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	151	0.00
22		Acetophenone	40.000	38.839	2.9	148	-0.01
23	S	Nitrobenzene-d5	80.000	78.371	2.0	147	-0.01
24		Nitrobenzene	40.000	38.833	2.9	146	0.00
25		Isophorone	40.000	38.358	4.1	145	-0.01
26	C	2-Nitrophenol	40.000	40.706	-1.8	148	0.00
27		2,4-Dimethylphenol	40.000	39.876	0.3	146	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.329	1.7	147	-0.01
29	C	2,4-Dichlorophenol	40.000	40.056	-0.1	149	0.00
30		1,2,4-Trichlorobenzene	40.000	40.567	-1.4	154	0.00
31		Naphthalene	40.000	39.610	1.0	150	-0.01
32		Benzoic acid	40.000	35.346	11.6	131	-0.01
33		4-Chloroaniline	40.000	37.720	5.7	142	-0.01
34	C	Hexachlorobutadiene	40.000	41.351	-3.4	155	0.00
35		Caprolactam	40.000	35.714	10.7	130	-0.02
36	C	4-Chloro-3-methylphenol	40.000	37.625	5.9	140	0.00
37		2-Methylnaphthalene	40.000	38.085	4.8	145	0.00
38		1-Methylnaphthalene	40.000	37.850	5.4	143	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	136	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	42.441	-6.1	143	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.431	8.9	117	-0.01
42	S	2,4,6-Tribromophenol	80.000	73.171	8.5	125	-0.02
43	C	2,4,6-Trichlorophenol	40.000	40.811	-2.0	138	0.00
44		2,4,5-Trichlorophenol	40.000	40.630	-1.6	137	0.00
45	S	2-Fluorobiphenyl	80.000	79.920	0.1	139	-0.01
46		1,1'-Biphenyl	40.000	40.749	-1.9	140	-0.01
47		2-Chloronaphthalene	40.000	41.002	-2.5	141	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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	37.715	5.7	127	-0.01
49		Acenaphthylene	40.000	39.206	2.0	134	-0.01
50		Dimethylphthalate	40.000	38.989	2.5	134	-0.02
51		2,6-Dinitrotoluene	40.000	38.932	2.7	131	-0.01
52	C	Acenaphthene	40.000	38.969	2.6	132	-0.02
53		3-Nitroaniline	40.000	35.903	10.2	122	-0.01
54	P	2,4-Dinitrophenol	40.000	34.347	14.1	117	-0.01
55		Dibenzofuran	40.000	38.487	3.8	132	-0.01
56	P	4-Nitrophenol	40.000	38.378	4.1	124	-0.01
57		2,4-Dinitrotoluene	40.000	36.233	9.4	123	-0.01
58		Fluorene	40.000	37.676	5.8	130	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	37.407	6.5	128	-0.02
60		Diethylphthalate	40.000	36.963	7.6	127	-0.02
61		4-Chlorophenyl-phenylether	40.000	39.061	2.3	134	-0.02
62		4-Nitroaniline	40.000	29.354	26.6#	97	-0.02
63		Azobenzene	40.000	37.362	6.6	128	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	117	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	38.737	3.2	111	-0.01
66	c	n-Nitrosodiphenylamine	40.000	43.256	-8.1	129	-0.02
67		4-Bromophenyl-phenylether	40.000	43.357	-8.4	128	-0.02
68		Hexachlorobenzene	40.000	42.697	-6.7	127	-0.01
69		Atrazine	40.000	30.357	24.1	92	-0.02
70	C	Pentachlorophenol	40.000	35.372	11.6	99	-0.01
71		Phenanthrene	40.000	39.829	0.4	118	-0.02
72		Anthracene	40.000	39.663	0.8	118	-0.02
73		Carbazole	40.000	37.176	7.1	110	-0.01
74		Di-n-butylphthalate	40.000	37.596	6.0	111	-0.02
75	C	Fluoranthene	40.000	34.539	13.7	102	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	108	-0.02
77		Benzidine	40.000	19.343	51.6#	44	0.00
78		Pyrene	40.000	38.403	4.0	101	-0.02
79	S	Terphenyl-d14	80.000	75.083	6.1	100	-0.02
80		Butylbenzylphthalate	40.000	38.780	3.0	101	-0.02
81		Benzo(a)anthracene	40.000	39.349	1.6	105	-0.02
82		3,3'-Dichlorobenzidine	40.000	42.330	-5.8	115	-0.02
83		Chrysene	40.000	40.072	-0.2	111	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	45.323	-13.3	118	-0.02
85	c	Di-n-octyl phthalate	40.000	56.999	-42.5#	151	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	163	-0.03
87		Indeno(1,2,3-cd)pyrene	40.000	47.063	-17.7	184	-0.05
88		Benzo(b)fluoranthene	40.000	38.891	2.8	160	-0.04
89		Benzo(k)fluoranthene	40.000	34.511	13.7	141	-0.04
90	C	Benzo(a)pyrene	40.000	40.004	-0.0	164	-0.04
91		Dibenzo(a,h)anthracene	40.000	47.316	-18.3	184	-0.05
92		Benzo(g,h,i)perylene	40.000	48.272	-20.7	188	-0.05

Sample Results: **BF141671.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141671.D
Acq On : 19 Feb 2025 12:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 19 13:12:35 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 = 1

Raw Data: **BF141693.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG No.: Q1383

Instrument ID: BNA_F Calibration Date/Time: 02/20/2025 00:05

Lab File ID: BF141693.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040EC 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	1.393		9.2	50.0
Phenol-d6	1.612	1.669		3.5	50.0
Nitrobenzene-d5	0.383	0.384		0.3	50.0
Naphthalene	1.041	1.078		3.6	50.0
2-Methylnaphthalene	0.677	0.691		2.1	50.0
2-Fluorobiphenyl	1.298	1.372		5.7	50.0
Acenaphthylene	1.705	1.777		4.2	50.0
Acenaphthene	1.147	1.161		1.2	50.0
Fluorene	1.301	1.330		2.2	50.0
2,4,6-Tribromophenol	0.201	0.198		-1.5	50.0
Phenanthrene	1.101	1.134		3.0	50.0
Anthracene	1.107	1.131		2.2	50.0
Fluoranthene	1.167	1.058		-9.3	50.0
Pyrene	1.703	1.869		9.7	50.0
Terphenyl-d14	1.185	1.319		11.3	50.0
Benzo(a)anthracene	1.329	1.386		4.3	50.0
Chrysene	1.228	1.304		6.2	50.0
Benzo(b)fluoranthene	1.343	1.215		-9.5	50.0
Benzo(k)fluoranthene	1.147	1.183		3.1	50.0
Benzo(a)pyrene	1.087	1.111		2.2	50.0
Indeno(1,2,3-cd)pyrene	1.236	1.449		17.2	50.0
Dibenzo(a,h)anthracene	1.001	1.182		18.1	50.0
Benzo(g,h,i)perylene	1.048	1.209		15.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 02:06:49 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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	84080	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	333578	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	175620	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	284381	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	159233	20.000	ng	-0.02
86) Perylene-d12	15.380	264	177430	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	468481	87.352	ng	-0.01
7) Phenol-d6	6.422	99	561337	82.811	ng	-0.02
23) Nitrobenzene-d5	7.345	82	511901	80.041	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	138958	78.766	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	964086	84.575	ng	-0.01
79) Terphenyl-d14	12.880	244	840257	89.083	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.469	88	94779	43.909	ng	95
3) Pyridine	3.193	79	229986	44.775	ng	97
4) n-Nitrosodimethylamine	3.152	42	129005	37.930	ng	91
6) Aniline	6.445	93	247740	38.961	ng	97
8) 2-Chlorophenol	6.569	128	245940	42.440	ng	98
9) Benzaldehyde	6.334	77	137936	38.293	ng	99
10) Phenol	6.440	94	293175	41.555	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	224785	42.419	ng	99
12) 1,3-Dichlorobenzene	6.722	146	261330	42.715	ng	97
13) 1,4-Dichlorobenzene	6.798	146	266398	42.618	ng	99
14) 1,2-Dichlorobenzene	6.951	146	247985	42.745	ng	100
15) Benzyl Alcohol	6.928	79	207360	39.891	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.057	45	352380	38.846	ng	78
17) 2-Methylphenol	7.045	107	187984	41.452	ng	99
18) Hexachloroethane	7.292	117	98871	42.739	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	163637	40.358	ng	95
20) 3+4-Methylphenols	7.198	107	239036	41.476	ng	93
22) Acetophenone	7.192	105	337167	40.633	ng	94
24) Nitrobenzene	7.369	77	253453	40.641	ng	98
25) Isophorone	7.604	82	413093	40.509	ng	99
26) 2-Nitrophenol	7.681	139	131772	42.470	ng	94
27) 2,4-Dimethylphenol	7.722	122	149351	41.204	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	274608	42.025	ng	100
29) 2,4-Dichlorophenol	7.928	162	204723	41.802	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	221676	41.566	ng	99
31) Naphthalene	8.087	128	718945	41.404	ng	99
32) Benzoic acid	7.851	122	126034	33.475	ng	97
33) 4-Chloroaniline	8.139	127	240828	39.725	ng	98
34) Hexachlorobutadiene	8.198	225	135641	42.366	ng	99
35) Caprolactam	8.510	113	58706	39.370	ng	92
36) 4-Chloro-3-methylphenol	8.628	107	215204	39.669	ng	98
37) 2-Methylnaphthalene	8.775	142	461190	40.816	ng	99
38) 1-Methylnaphthalene	8.875	142	441230	40.318	ng	99
40) 1,2,4,5-Tetrachloroben...	8.939	216	217164	42.741	ng	98
41) Hexachlorocyclopentadiene	8.922	237	49825	29.483	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	136859	41.676	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 20 02:06:49 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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	147858	41.546	ng	97
46) 1,1'-Biphenyl	9.239	154	576246	42.323	ng	100
47) 2-Chloronaphthalene	9.263	162	423178	42.031	ng	99
48) 2-Nitroaniline	9.363	65	133620	39.545	ng	95
49) Acenaphthylene	9.675	152	624279	41.687	ng	99
50) Dimethylphthalate	9.539	163	501886	42.096	ng	99
51) 2,6-Dinitrotoluene	9.604	165	108613	41.673	ng	98
52) Acenaphthene	9.851	154	407725	40.498	ng	99
53) 3-Nitroaniline	9.775	138	108260	38.593	ng	98
54) 2,4-Dinitrophenol	9.892	184	43173	27.871	ng	91
55) Dibenzofuran	10.022	168	603488	40.838	ng	98
56) 4-Nitrophenol	9.957	139	63683	30.582	ng	92
57) 2,4-Dinitrotoluene	10.010	165	139778	40.286	ng	99
58) Fluorene	10.363	166	467231	40.892	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	124299	40.567	ng	95
60) Diethylphthalate	10.233	149	481565	41.053	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	232006	42.206	ng	96
62) 4-Nitroaniline	10.386	138	104128	36.557	ng	97
63) Azobenzene	10.516	77	465416	39.911	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	70281	35.577	ng	92
66) n-Nitrosodiphenylamine	10.475	169	398837	43.812	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	141150	44.410	ng	98
68) Hexachlorobenzene	10.910	284	142480	43.534	ng	98
69) Atrazine	11.004	200	104658	38.322	ng	99
70) Pentachlorophenol	11.110	266	64773	30.952	ng	97
71) Phenanthrene	11.322	178	645237	41.219	ng	100
72) Anthracene	11.375	178	643493	40.893	ng	100
73) Carbazole	11.533	167	549351	38.799	ng	99
74) Di-n-butylphthalate	11.863	149	686027	41.961	ng	100
75) Fluoranthene	12.510	202	602029	36.275	ng	100
77) Benzidine	12.639	184	135198	38.498	ng	99
78) Pyrene	12.739	202	595275	43.915	ng	100
80) Butylbenzylphthalate	13.357	149	219614	46.775	ng	100
81) Benzo(a)anthracene	13.927	228	441236	41.686	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	137095	45.215	ng	100
83) Chrysene	13.963	228	415159	42.478	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	286347	54.076	ng	100
85) Di-n-octyl phthalate	14.527	149	432533	57.257	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	514199	46.902	ng	99
88) Benzo(b)fluoranthene	14.963	252	431312	36.203	ng	100
89) Benzo(k)fluoranthene	14.992	252	419957m	41.281	ng	
90) Benzo(a)pyrene	15.321	252	394420	40.915	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	419567	47.231	ng	99
92) Benzo(g,h,i)perylene	17.245	276	429072	46.156	ng	100

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

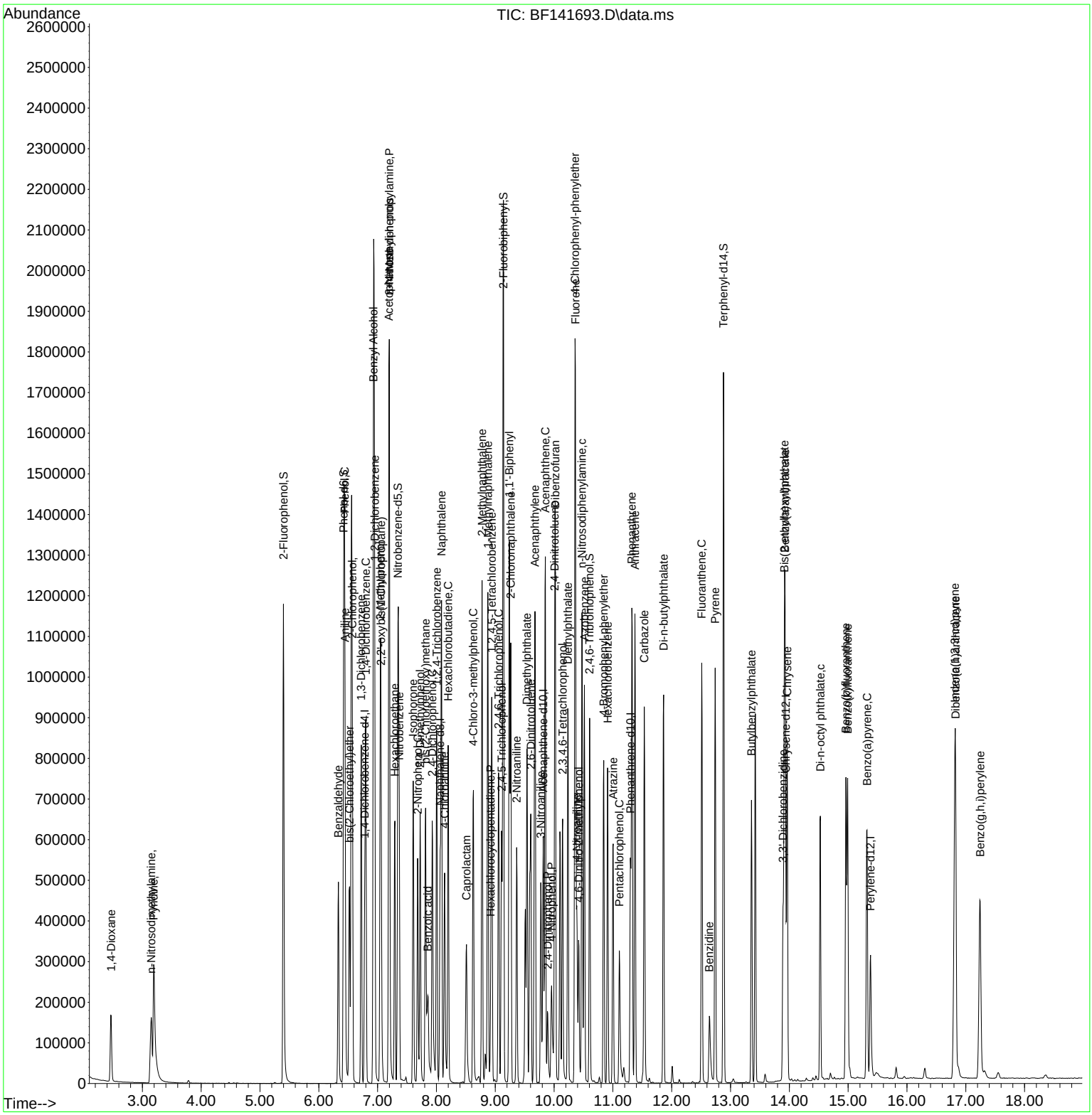
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Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

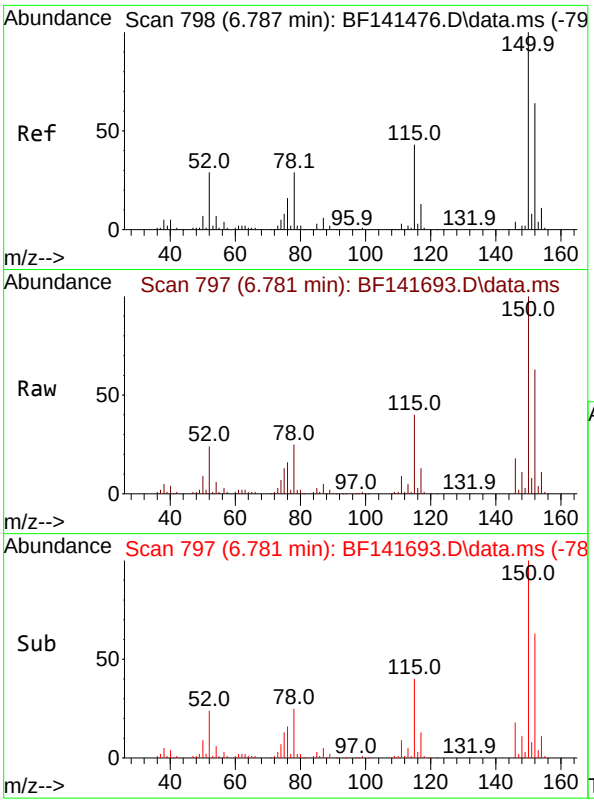
Quant Time: Feb 20 02:06:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

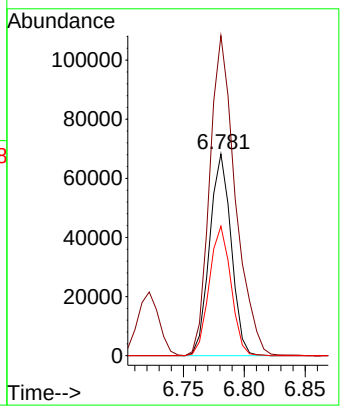




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:152 Resp: 8408

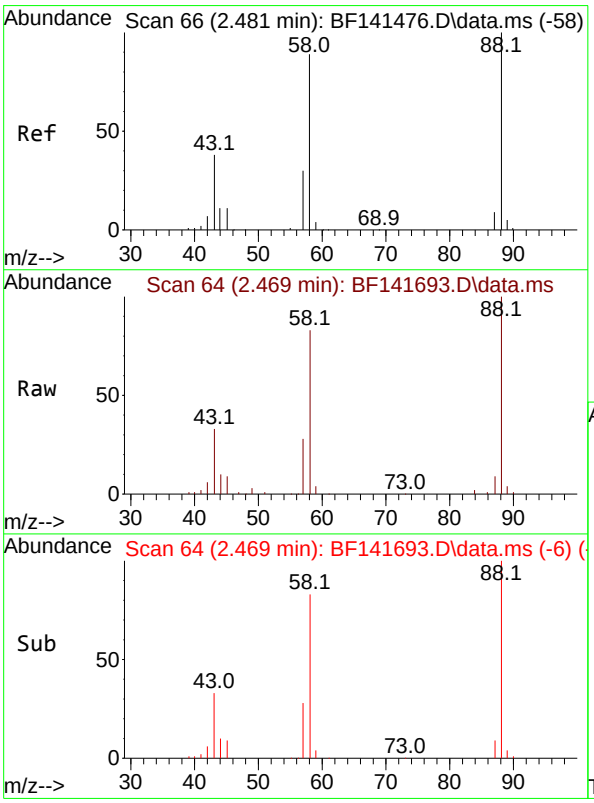
Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.0	187.4
115	64.1	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

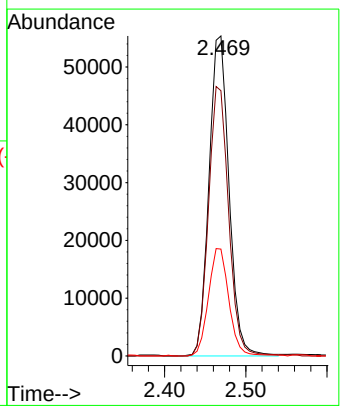
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

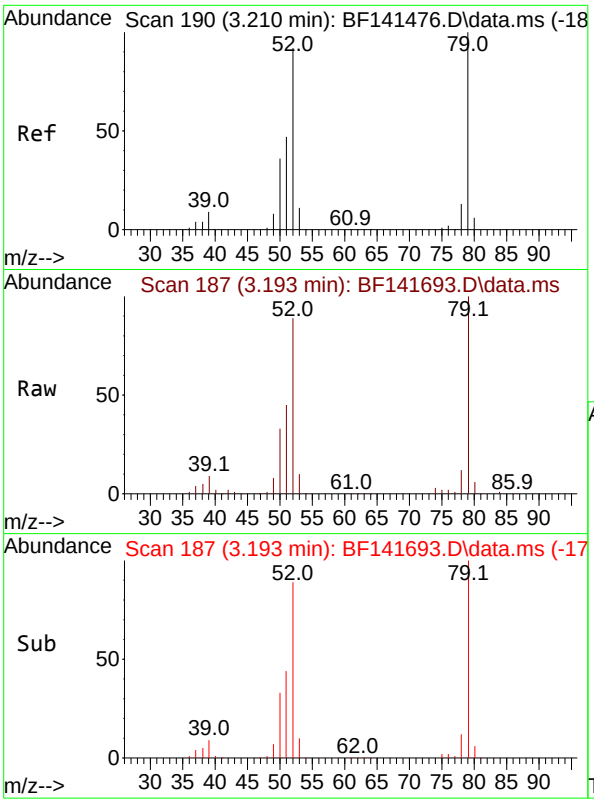


#2
1,4-Dioxane
Concen: 43.909 ng
RT: 2.469 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 88 Resp: 94779

Ion	Ratio	Lower	Upper
88	100		
58	84.5	71.1	106.7
43	34.4	30.6	46.0





#3
Pyridine
Concen: 44.775 ng
RT: 3.193 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

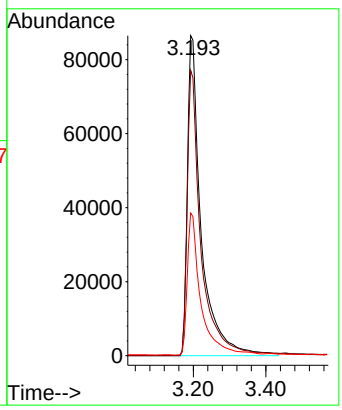
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

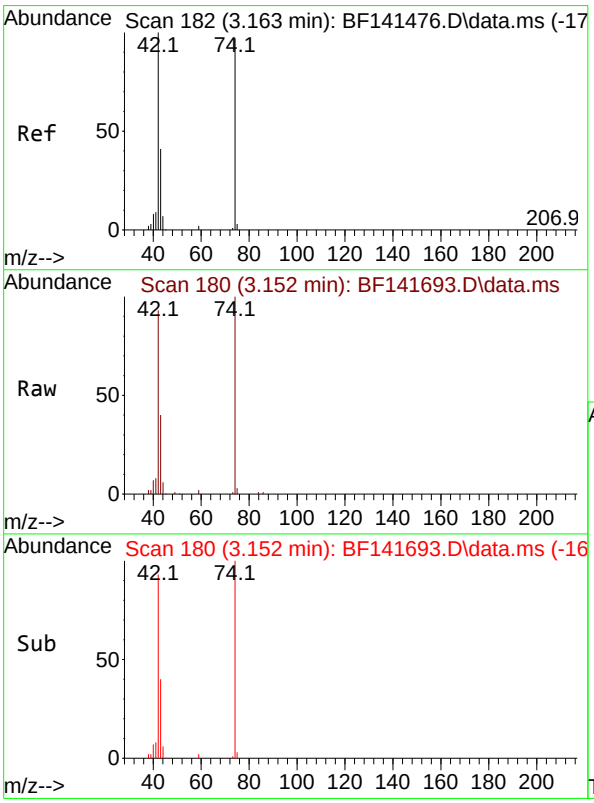
Tgt Ion: 79 Resp: 22998

Ion	Ratio	Lower	Upper
79	100		
52	89.2	73.7	110.5
51	44.6	37.5	56.3

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

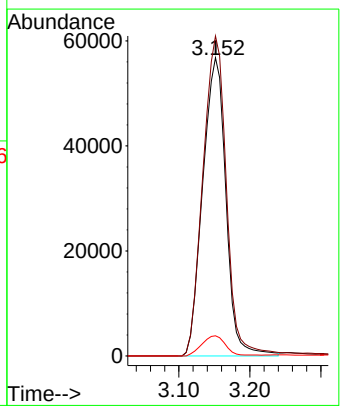


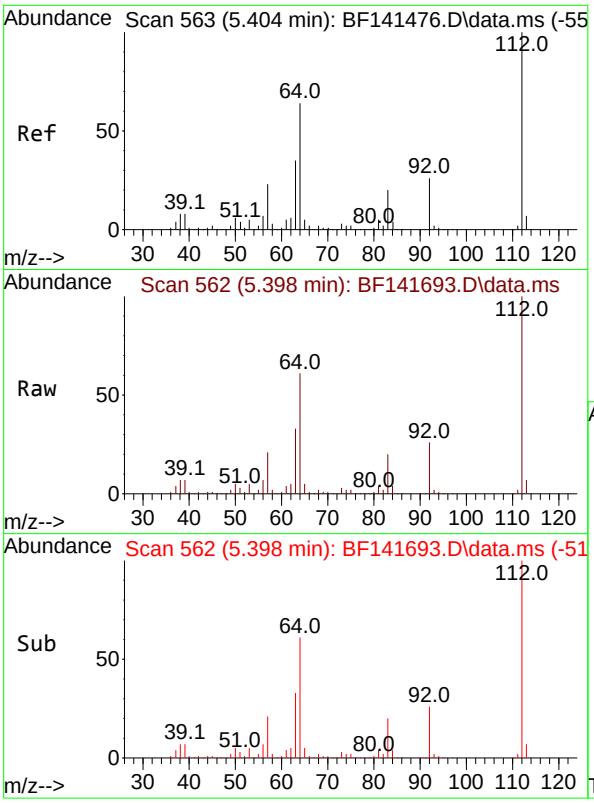


#4
n-Nitrosodimethylamine
Concen: 37.930 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 42 Resp: 129005

Ion	Ratio	Lower	Upper
42	100		
74	107.3	78.0	117.0
44	6.8	5.4	8.2

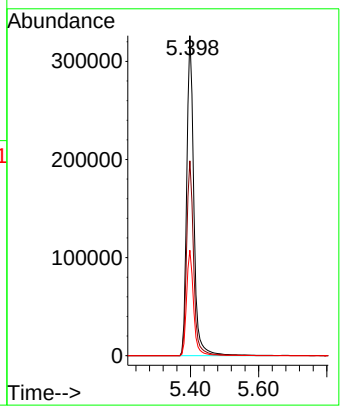




#5
2-Fluorophenol
Concen: 87.352 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:112 Resp: 46848

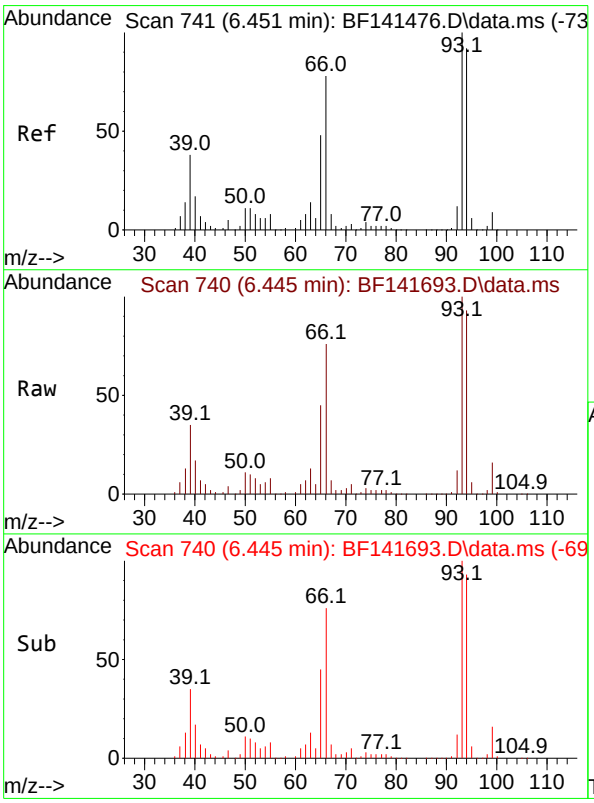
Ion	Ratio	Lower	Upper
112	100		
64	60.9	51.1	76.7
63	33.0	28.4	42.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

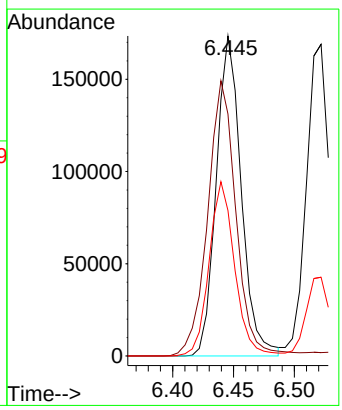
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

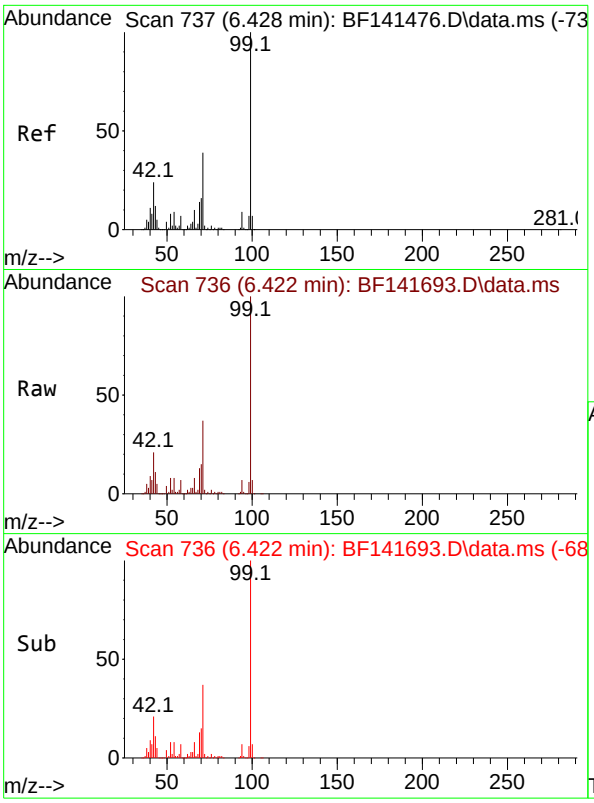


#6
Aniline
Concen: 38.961 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 93 Resp: 247740

Ion	Ratio	Lower	Upper
93	100		
66	75.6	62.6	94.0
65	45.5	38.3	57.5

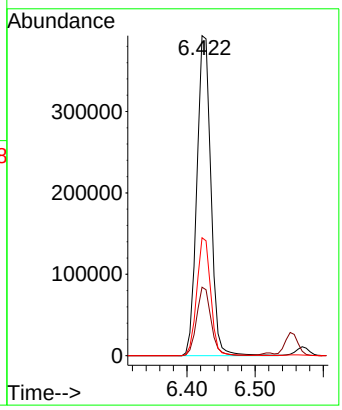




#7
Phenol-d6
Concen: 82.811 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 99 Resp: 56133

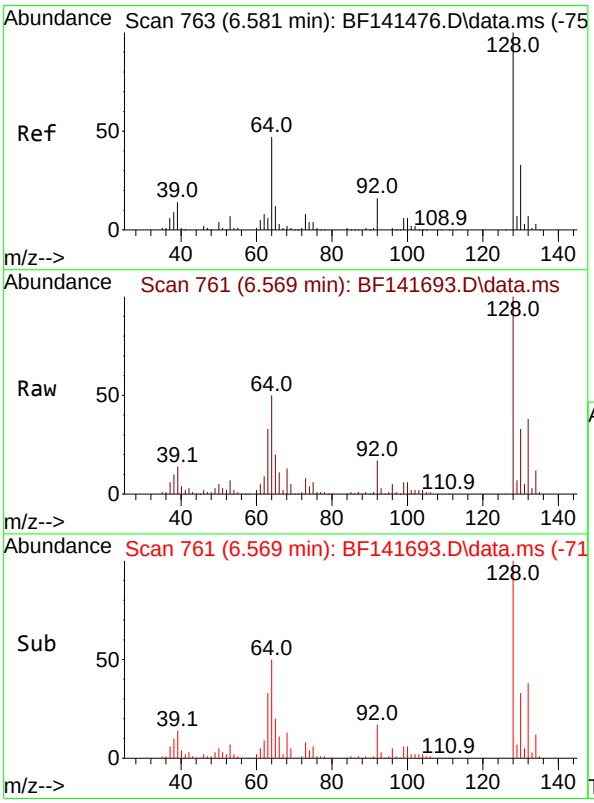
Ion	Ratio	Lower	Upper
99	100		
42	21.4	19.1	28.7
71	36.9	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

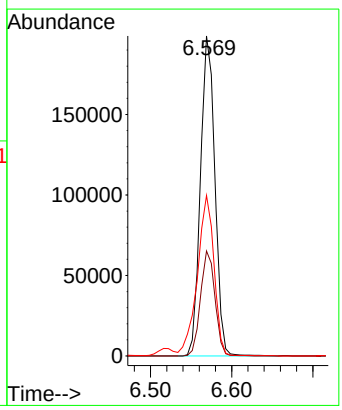
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

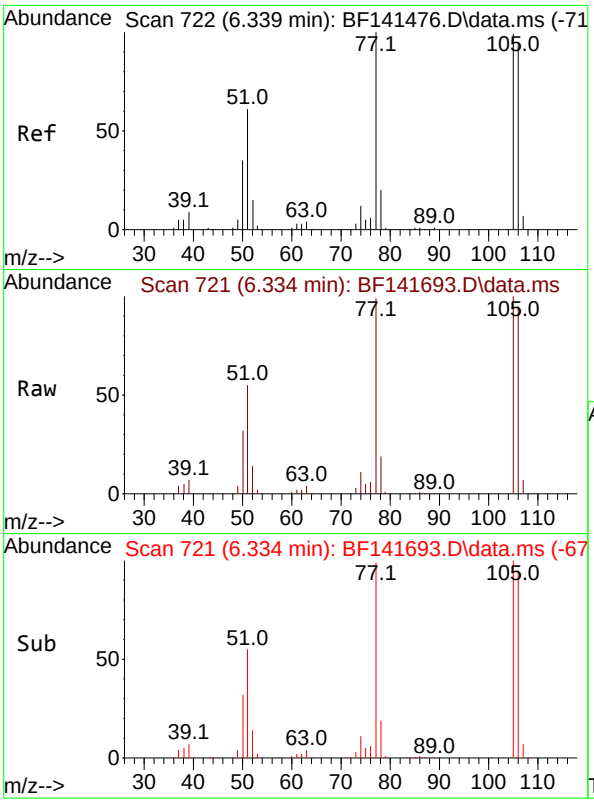


#8
2-Chlorophenol
Concen: 42.440 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:128 Resp: 245940

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	50.1	28.3	68.3

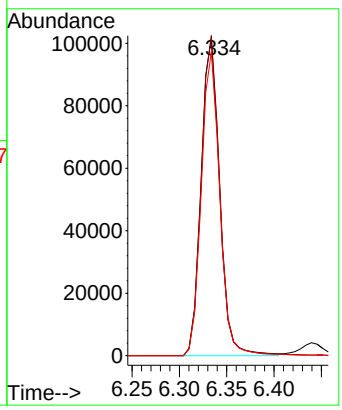




#9
Benzaldehyde
Concen: 38.293 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 77 Resp: 13793

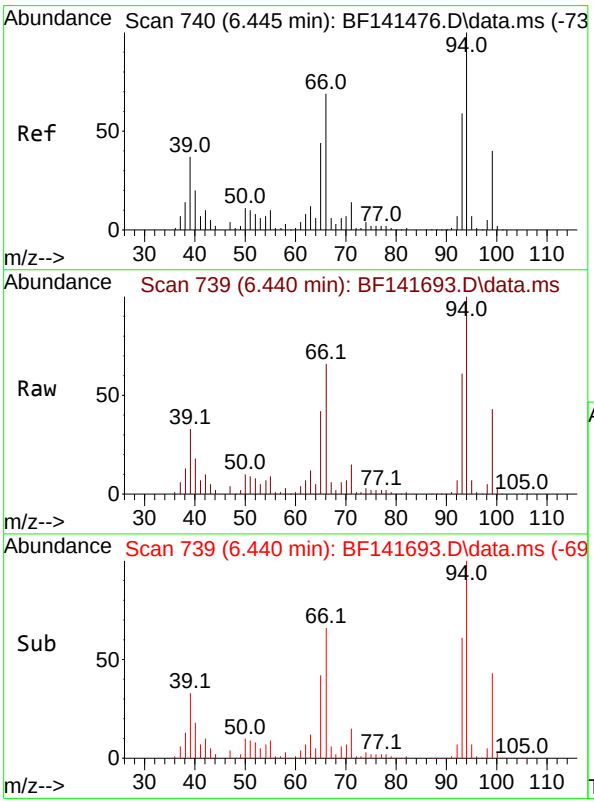
Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	95.7	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

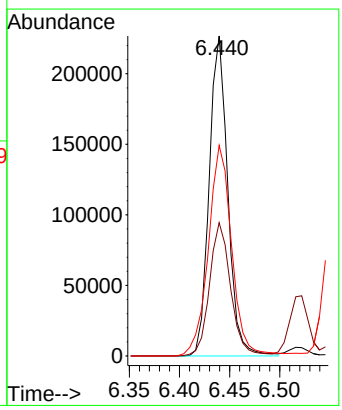
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

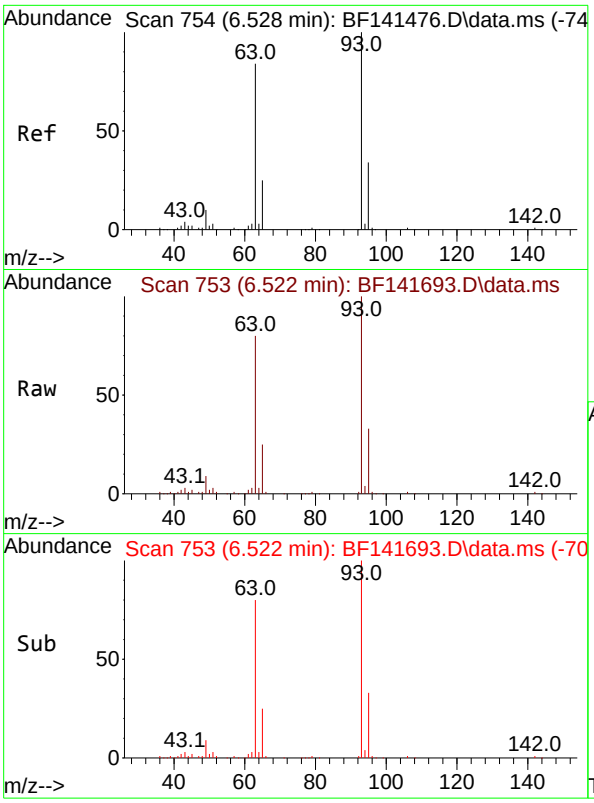


#10
Phenol
Concen: 41.555 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 94 Resp: 293175

Ion	Ratio	Lower	Upper
94	100		
65	41.7	23.7	63.7
66	65.8	49.3	89.3

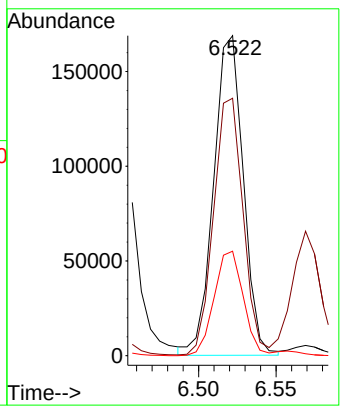




#11
bis(2-Chloroethyl)ether
Concen: 42.419 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 93 Resp: 22478

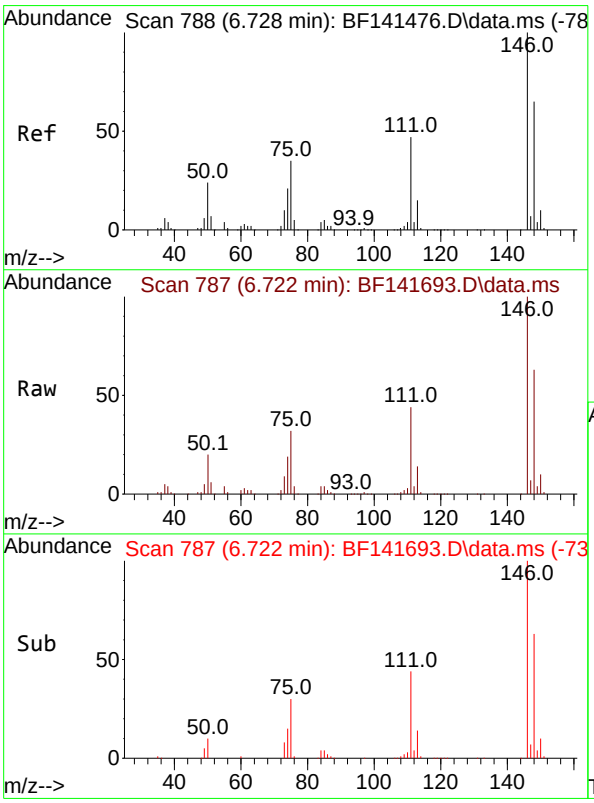
Ion	Ratio	Lower	Upper
93	100		
63	80.5	62.0	102.0
95	32.7	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

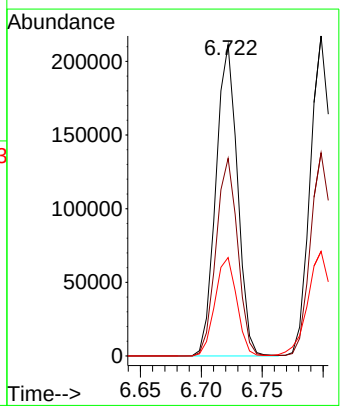
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

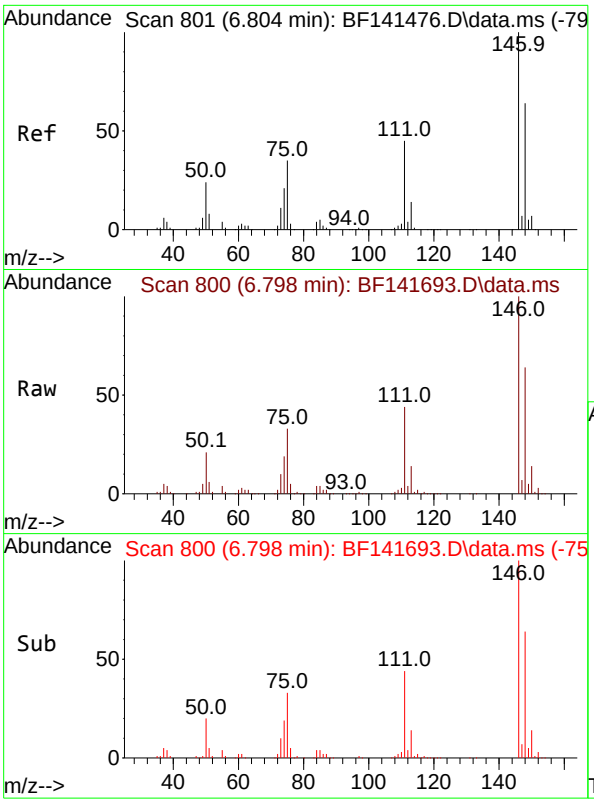


#12
1,3-Dichlorobenzene
Concen: 42.715 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:146 Resp: 261330

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
75	31.6	28.2	42.2

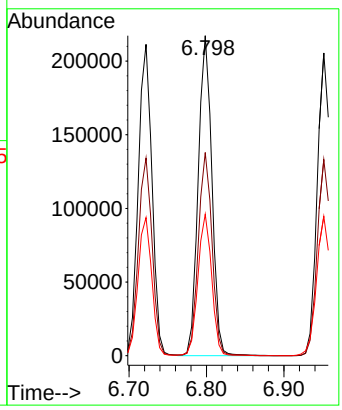




#13
1,4-Dichlorobenzene
Concen: 42.618 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:146 Resp: 26639

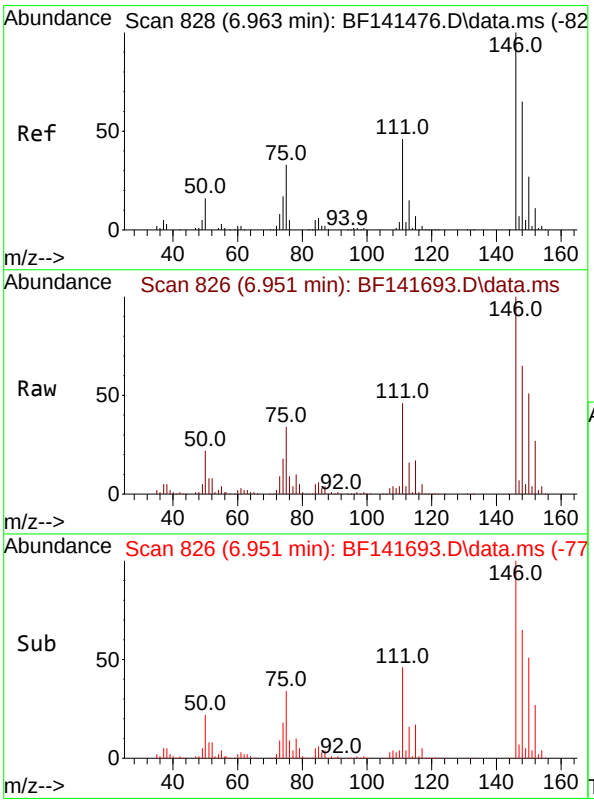
Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.9	76.3
111	44.2	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

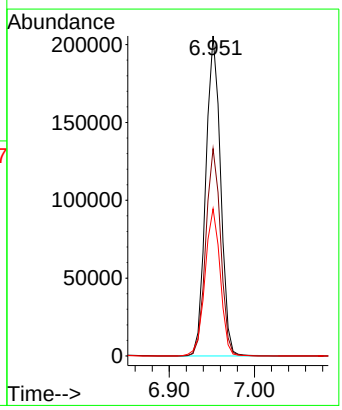
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

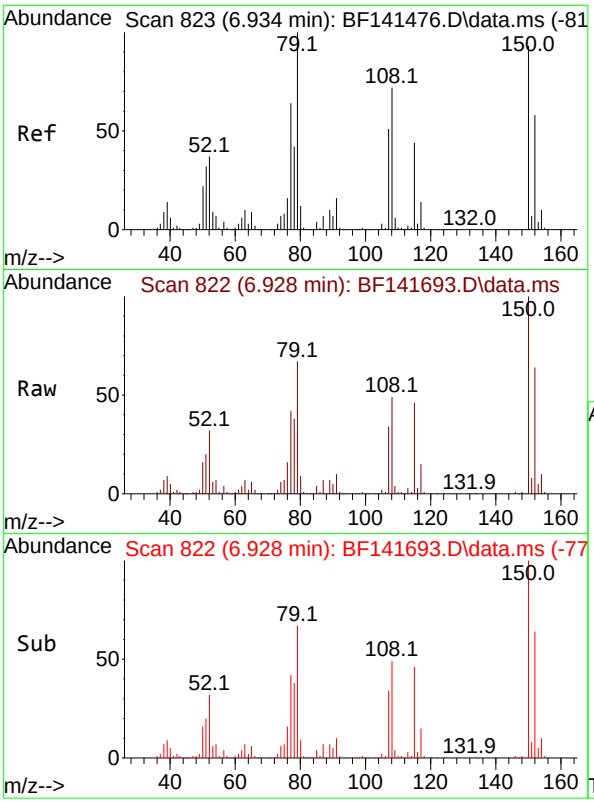


#14
1,2-Dichlorobenzene
Concen: 42.745 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:146 Resp: 247985

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
111	46.0	37.0	55.4





#15
Benzyl Alcohol
Concen: 39.891 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

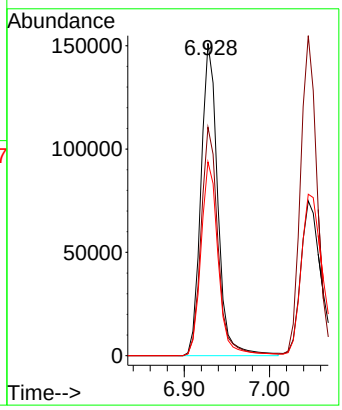
Tgt Ion: 79 Resp: 20736

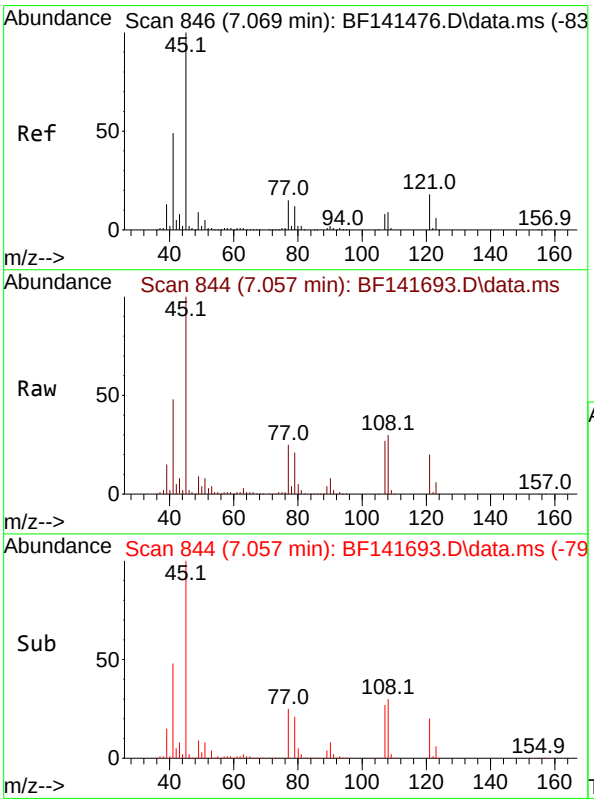
Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.4	86.2
77	62.1	50.9	76.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

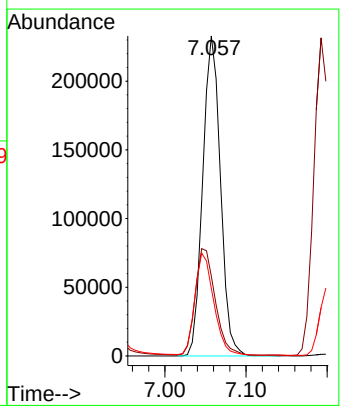


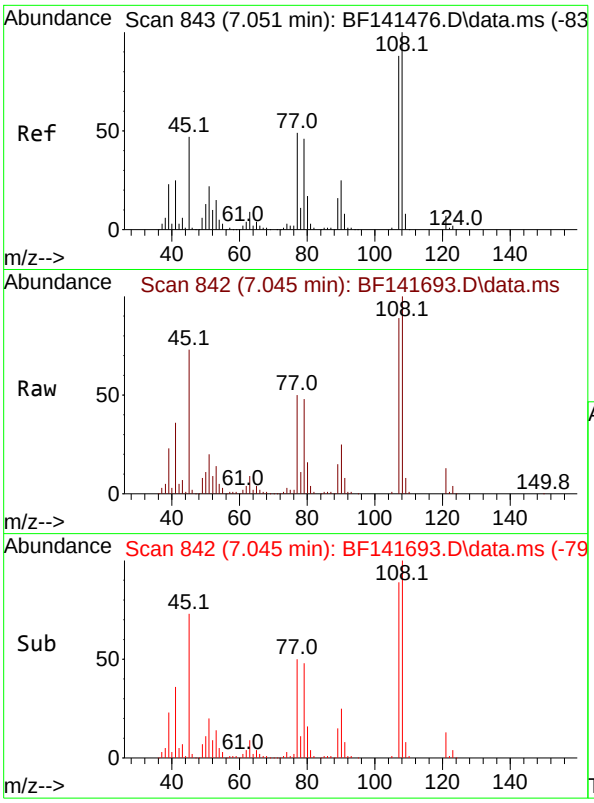


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.846 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 45 Resp: 352380

Ion	Ratio	Lower	Upper
45	100		
77	25.0	0.0	35.8
79	21.1	0.0	32.7

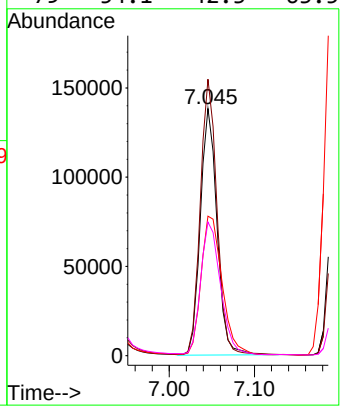




#17
2-Methylphenol
Concen: 41.452 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:107 Resp: 18798

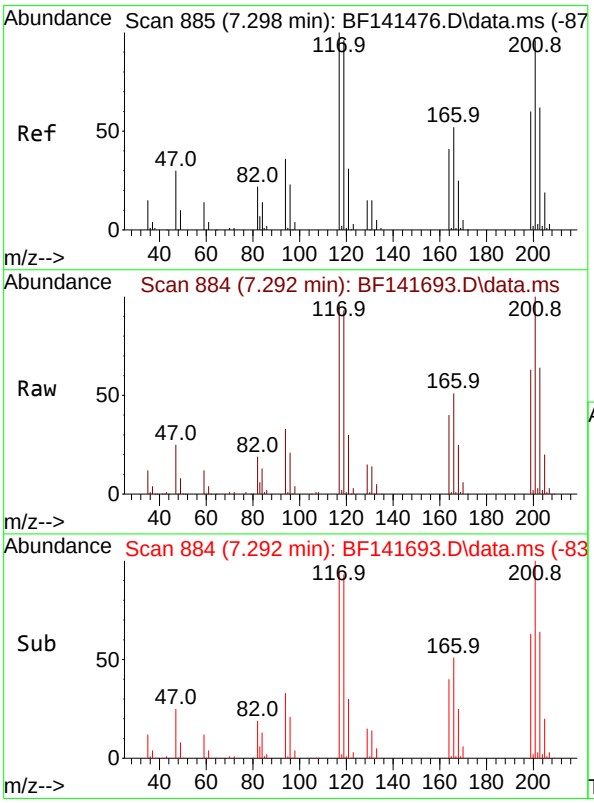
Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.6	136.0
77	56.4	44.4	66.6
79	54.1	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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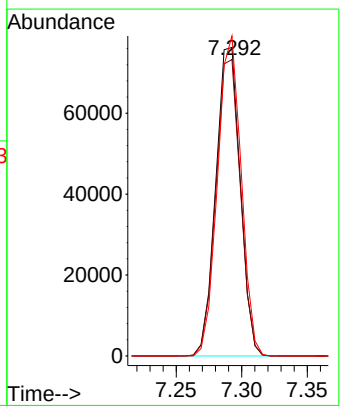
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

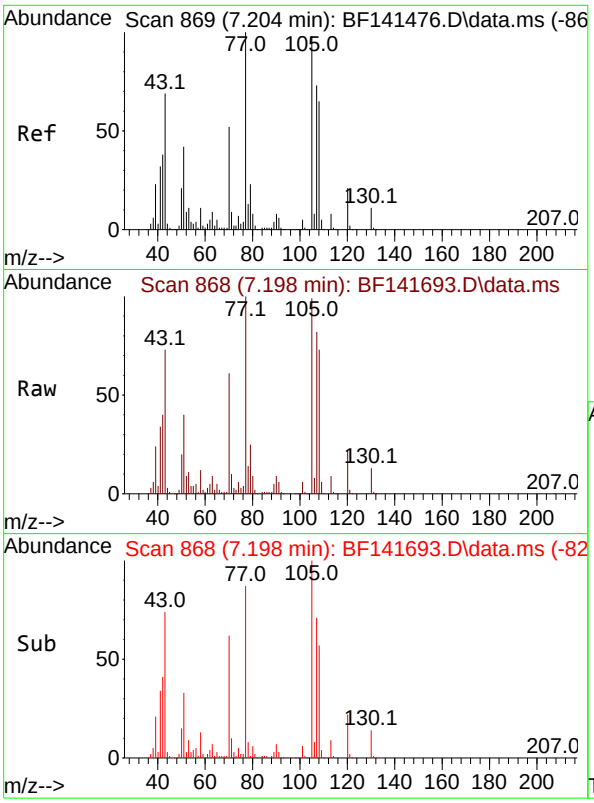


#18
Hexachloroethane
Concen: 42.739 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:117 Resp: 98871

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
201	103.7	76.7	115.1

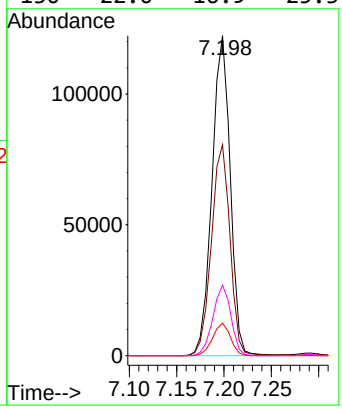




#19
n-Nitroso-di-n-propylamine
Concen: 40.358 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 70 Resp: 16363

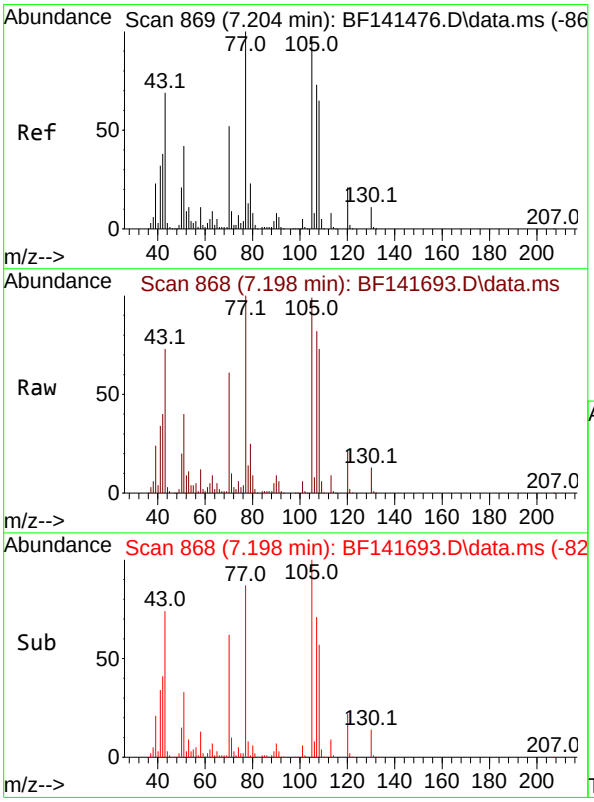
Ion	Ratio	Lower	Upper
70	100		
42	66.0	57.4	86.2
101	10.1	8.0	12.0
130	22.0	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

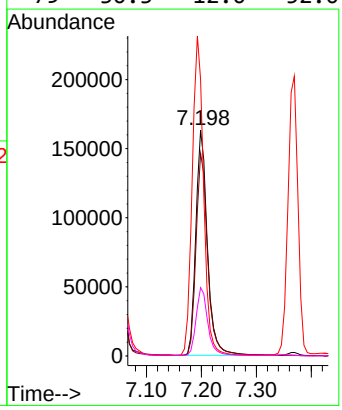
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

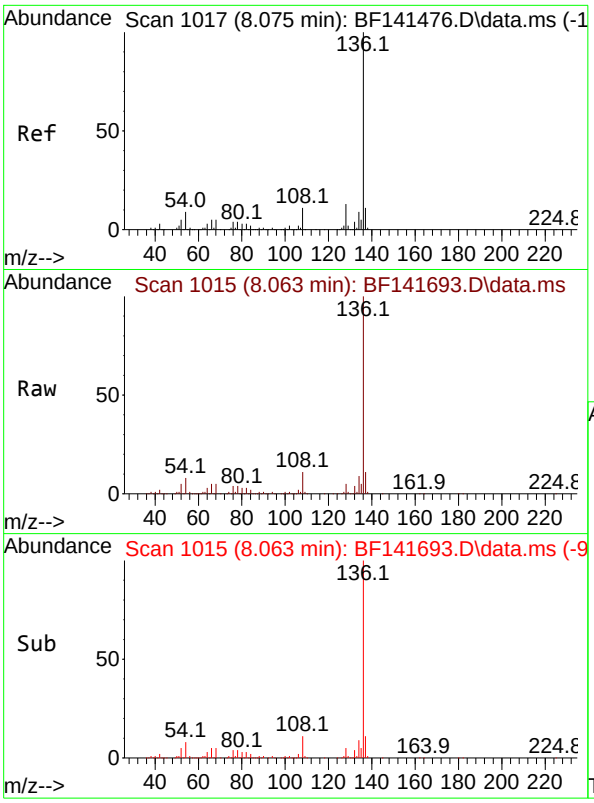


#20
3+4-Methylphenols
Concen: 41.476 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:107 Resp: 239036

Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.5	108.5
77	122.4	116.5	156.5
79	30.3	12.0	52.0

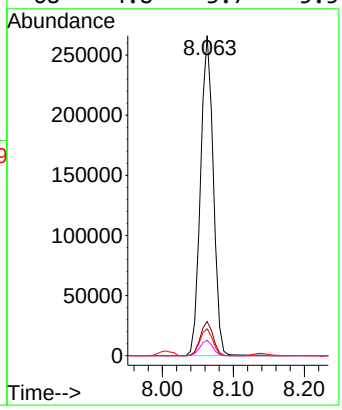




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:136 Resp: 33357

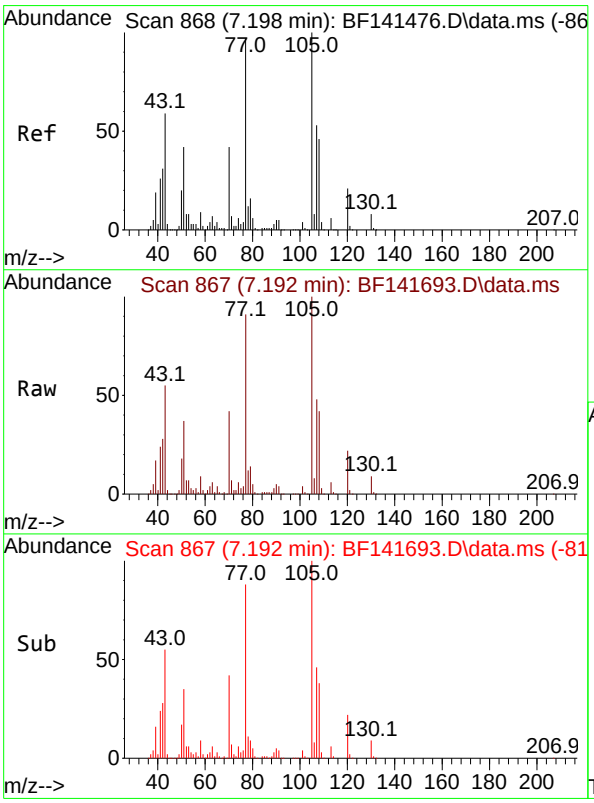
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.4	7.2	10.8
68	4.8	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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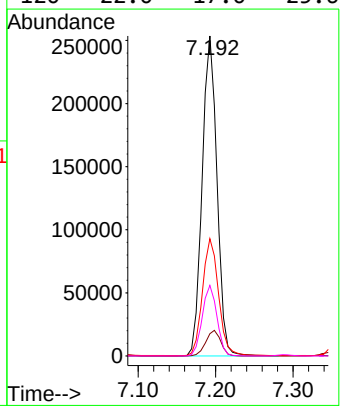
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

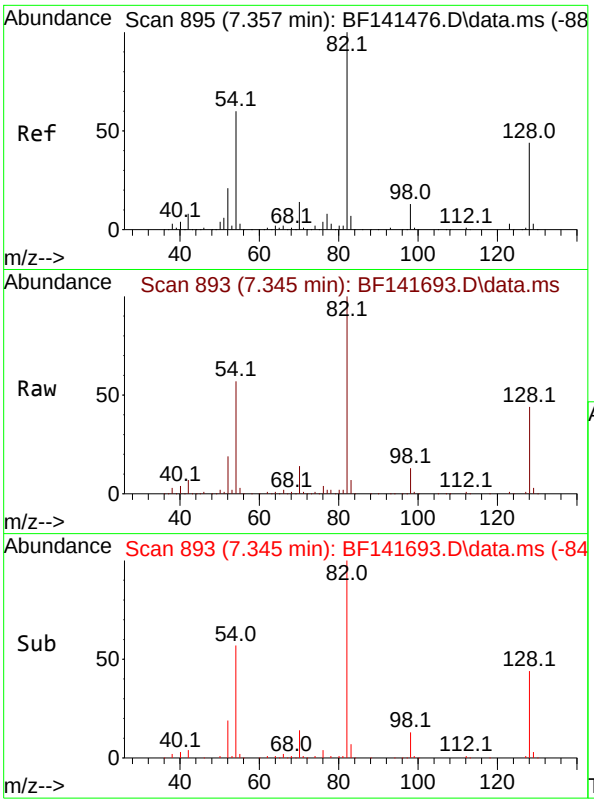


#22
Acetophenone
Concen: 40.633 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:105 Resp: 337167

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.7	8.5
51	36.6	33.7	50.5
120	22.0	17.0	25.6

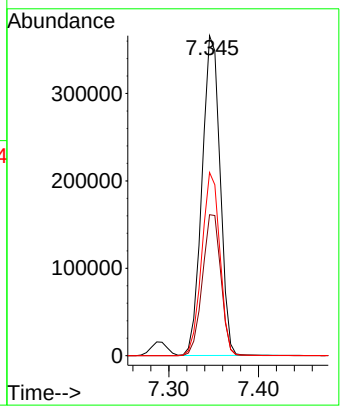




#23
Nitrobenzene-d5
Concen: 80.041 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 82 Resp: 51190

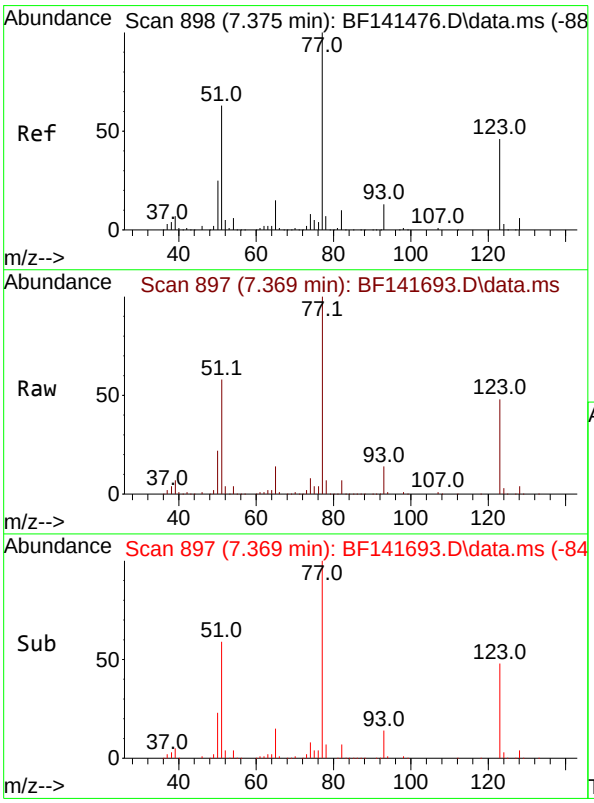
Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	57.2	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

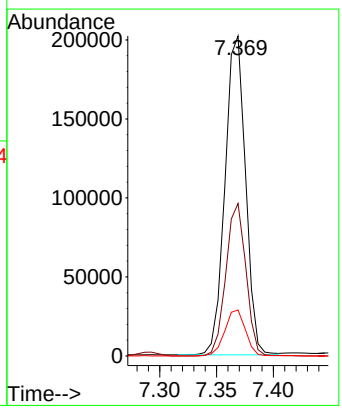
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

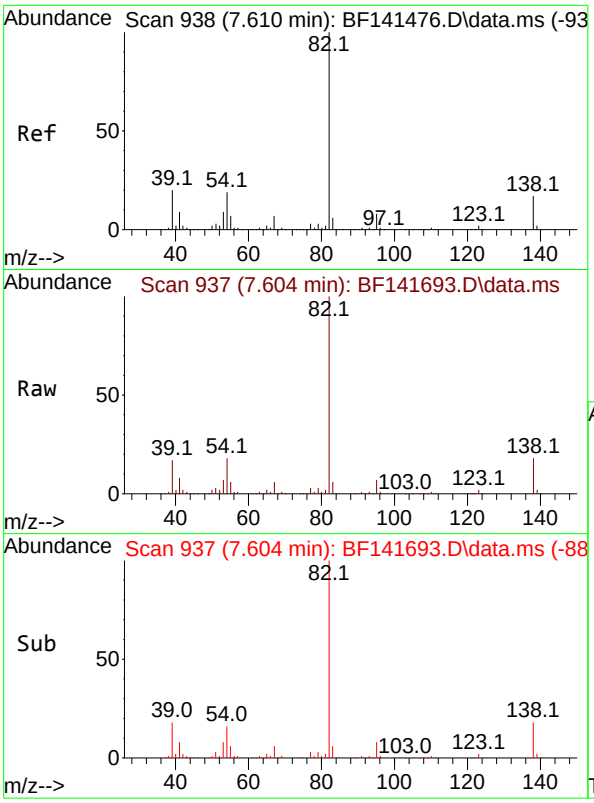


#24
Nitrobenzene
Concen: 40.641 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 77 Resp: 253453

Ion	Ratio	Lower	Upper
77	100		
123	47.7	36.9	55.3
65	14.4	11.9	17.9

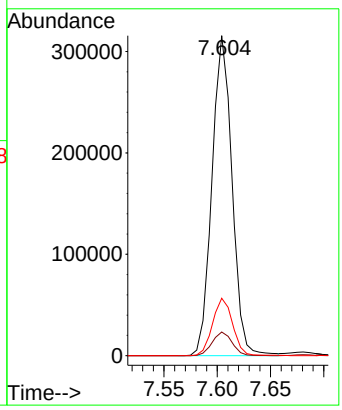




#25
Isophorone
Concen: 40.509 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 82 Resp: 41309

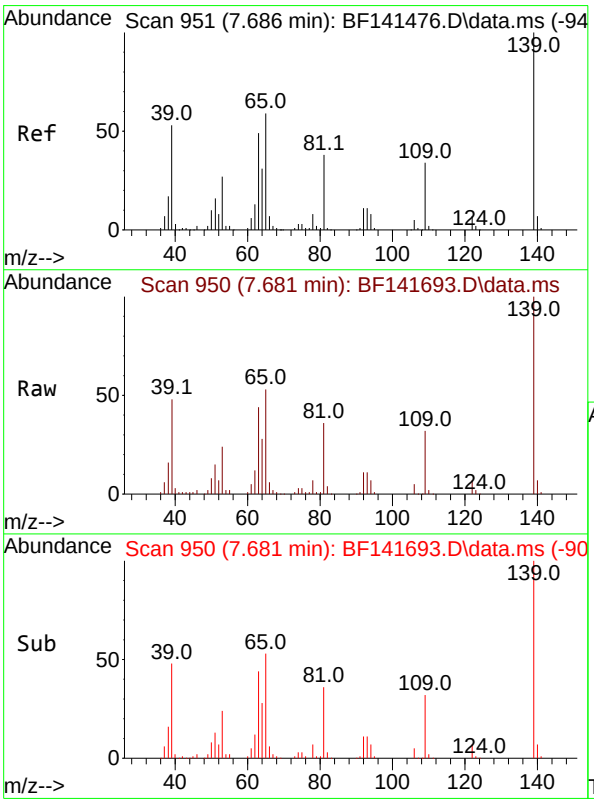
Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.4	9.6
138	17.9	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

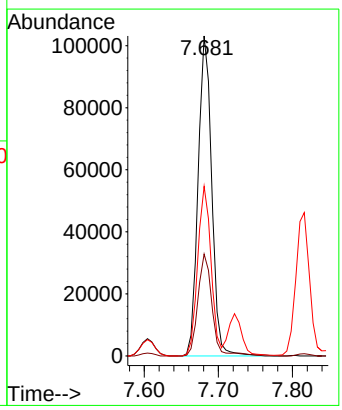
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

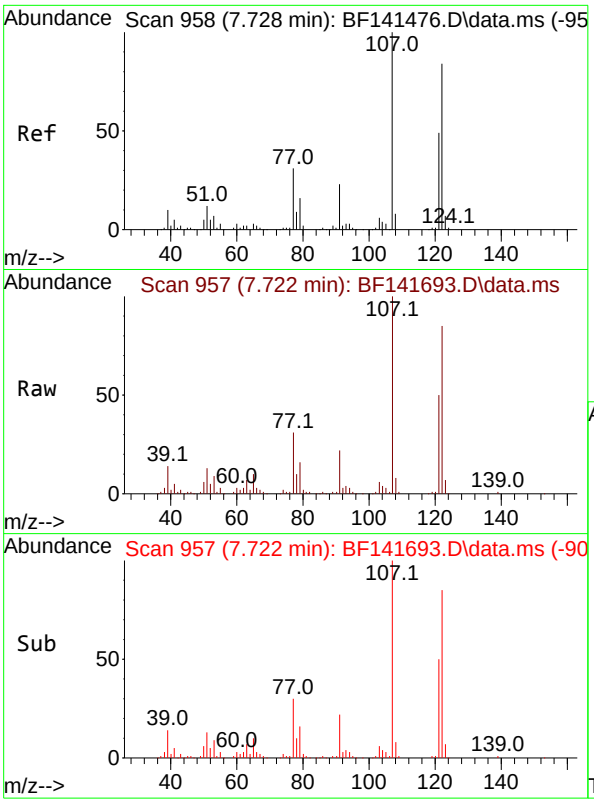


#26
2-Nitrophenol
Concen: 42.470 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:139 Resp: 131772

Ion	Ratio	Lower	Upper
139	100		
109	31.9	27.0	40.6
65	53.0	47.1	70.7

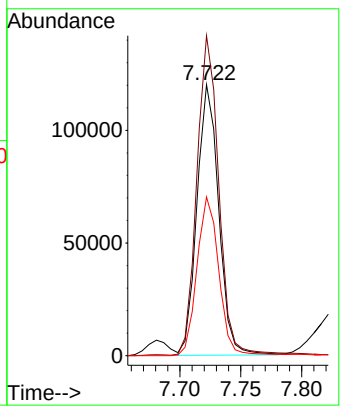




#27
2,4-Dimethylphenol
Concen: 41.204 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:122 Resp: 14935

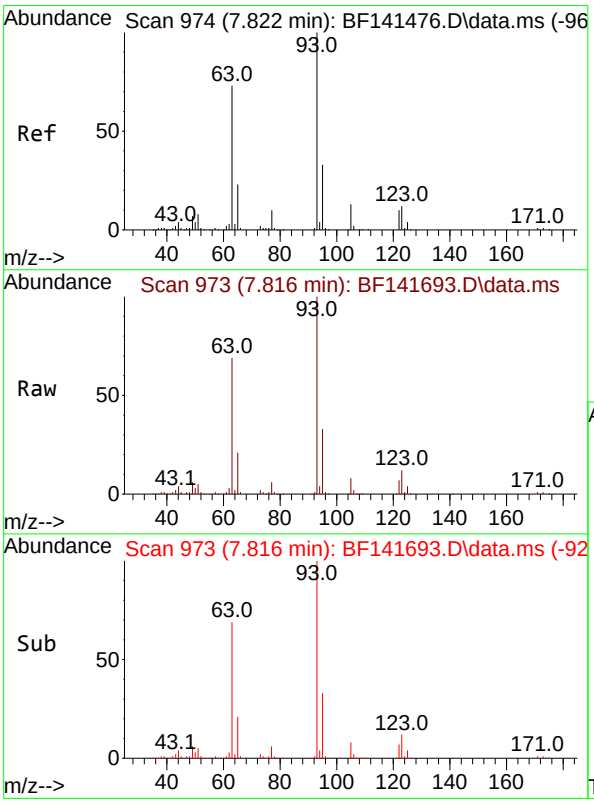
Ion	Ratio	Lower	Upper
122	100		
107	118.0	94.3	141.5
121	58.5	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

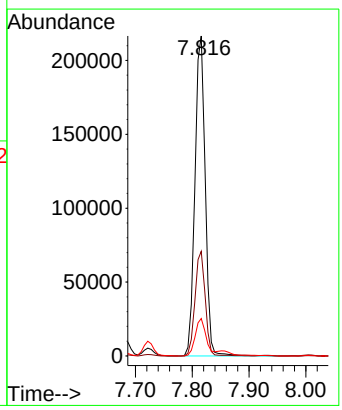
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

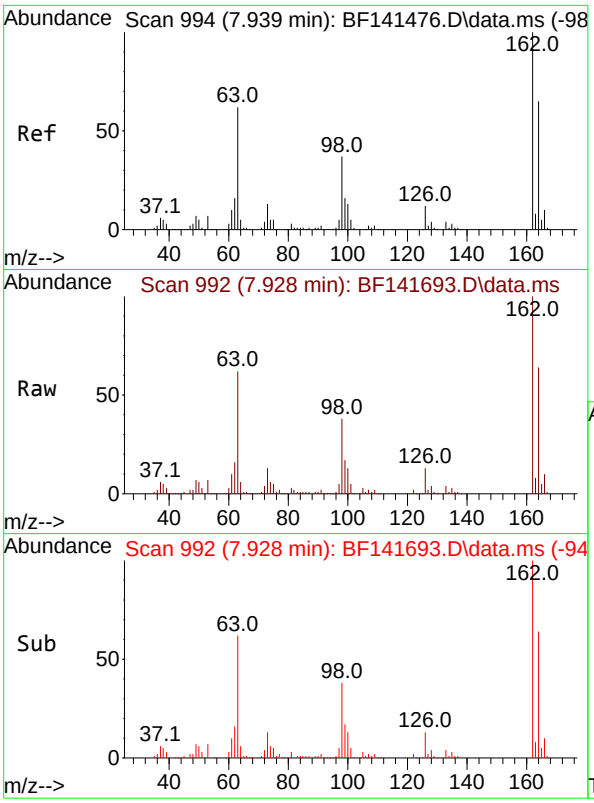


#28
bis(2-Chloroethoxy)methane
Concen: 42.025 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 93 Resp: 274608

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.7	9.5	14.3

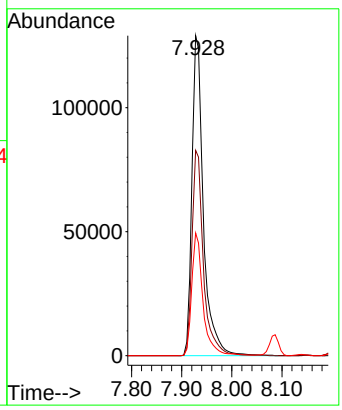




#29
2,4-Dichlorophenol
Concen: 41.802 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:162 Resp: 20472

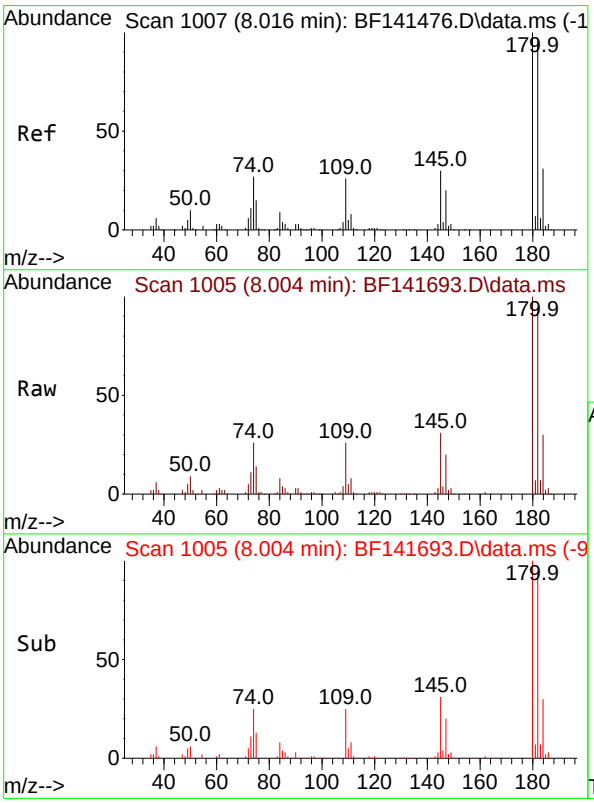
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	38.4	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

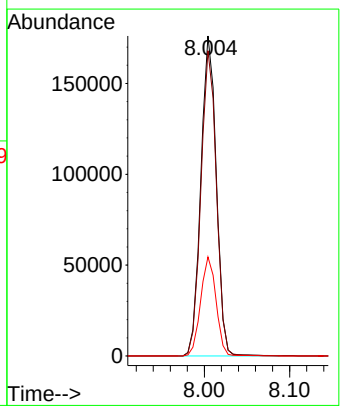
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

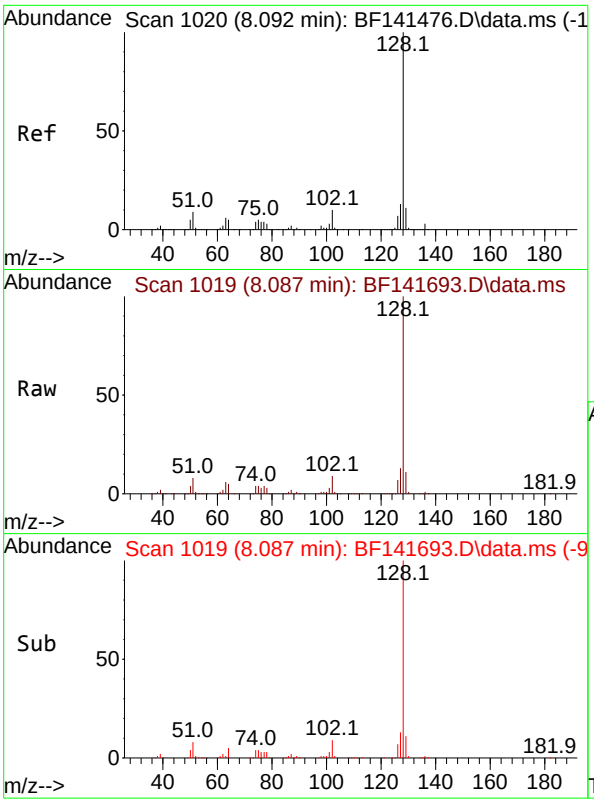


#30
1,2,4-Trichlorobenzene
Concen: 41.566 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:180 Resp: 221676

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	31.0	24.2	36.4

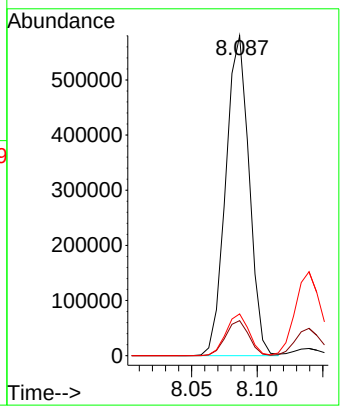




#31
Naphthalene
Concen: 41.404 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:128 Resp: 71894

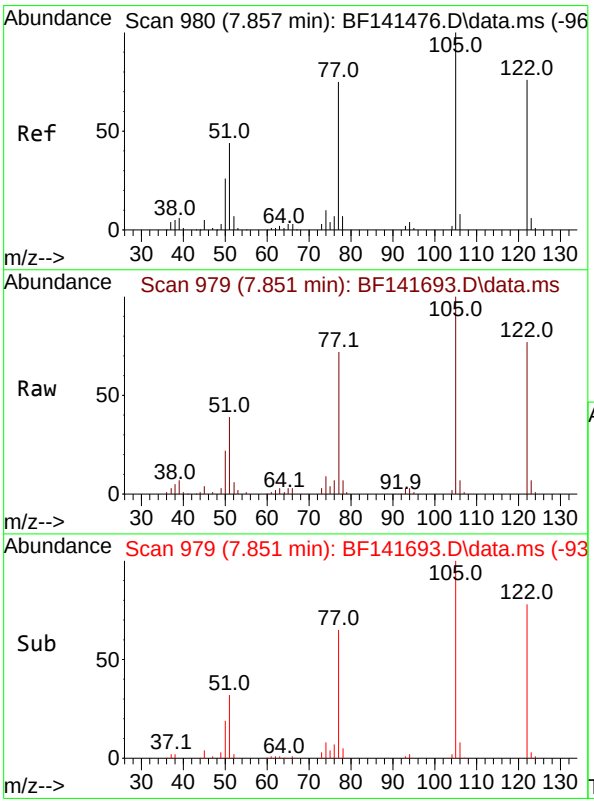
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.1	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

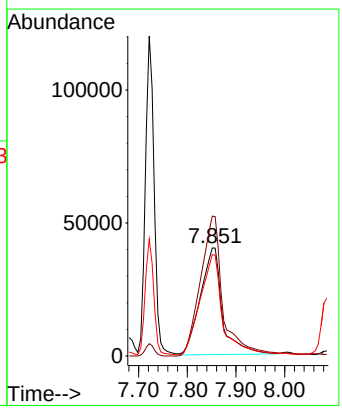
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

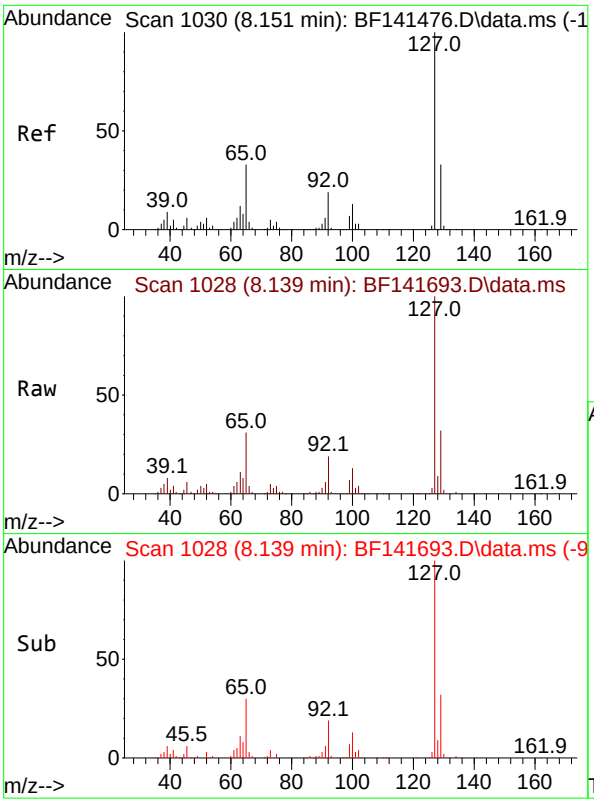


#32
Benzoic acid
Concen: 33.475 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:122 Resp: 126034

Ion	Ratio	Lower	Upper
122	100		
105	129.4	106.5	146.5
77	93.7	76.3	116.3

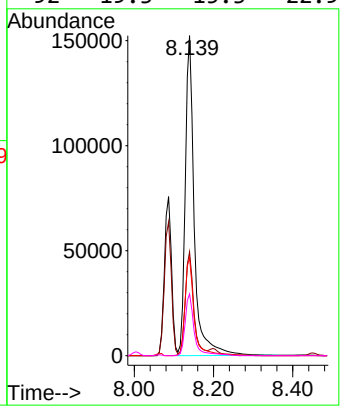




#33
4-Chloroaniline
Concen: 39.725 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:127 Resp: 24082

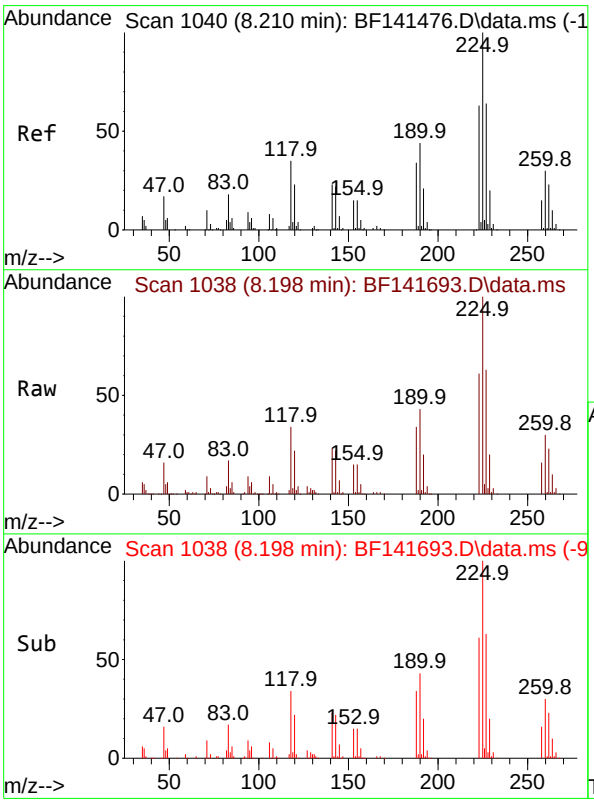
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.5	39.7
65	30.7	26.4	39.6
92	19.3	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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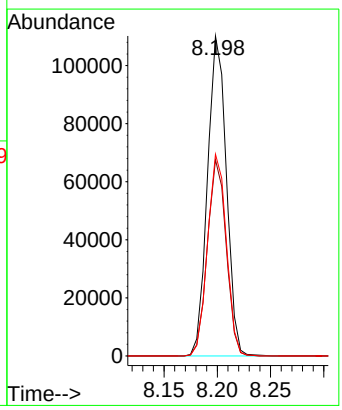
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

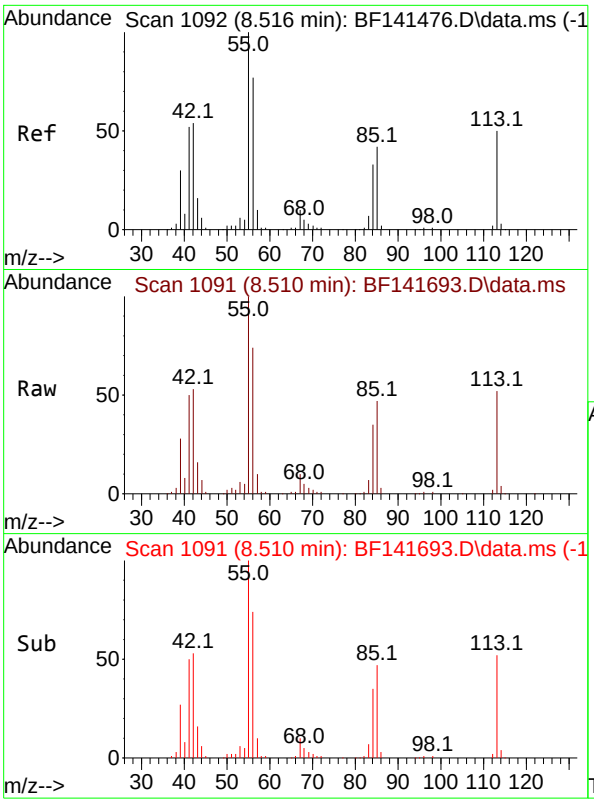


#34
Hexachlorobutadiene
Concen: 42.366 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:225 Resp: 135641

Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.1	75.1
227	63.0	51.0	76.6





#35
Caprolactam
Concen: 39.370 ng
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

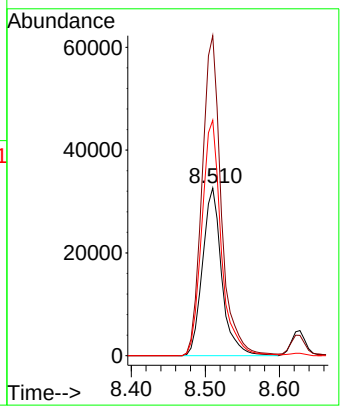
Tgt Ion:113 Resp: 5870

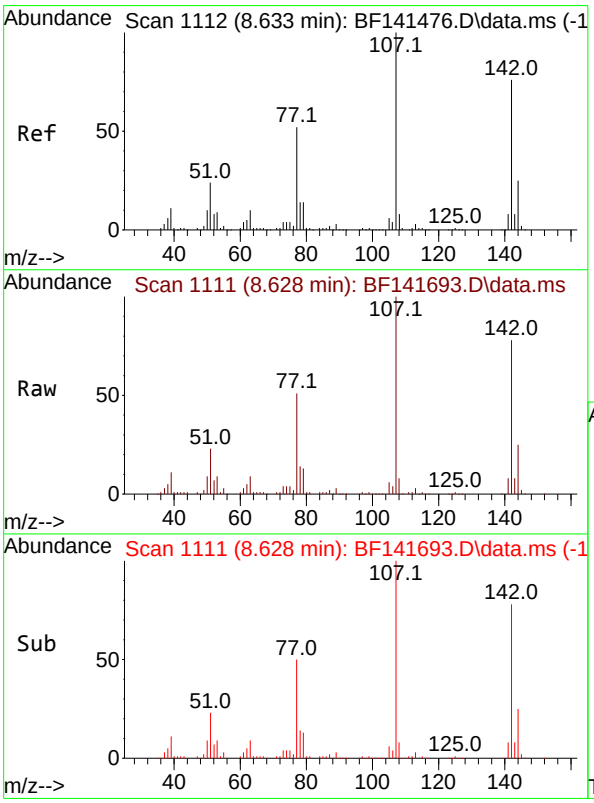
Ion	Ratio	Lower	Upper
113	100		
55	190.8	180.8	220.8
56	140.5	133.6	173.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
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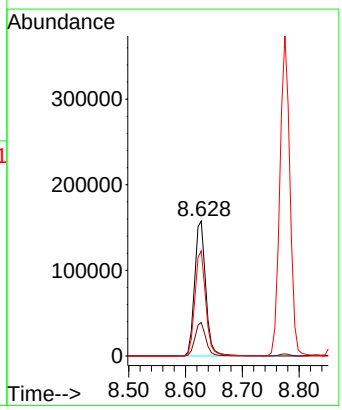


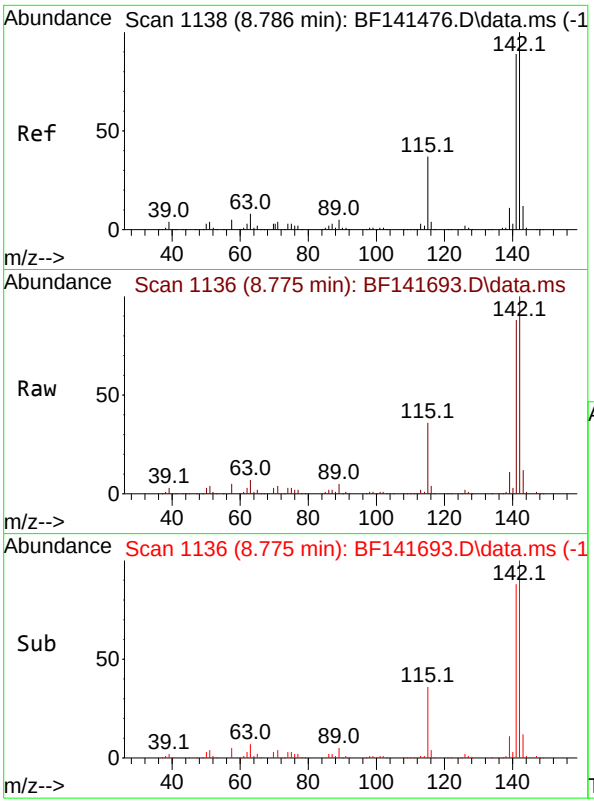


#36
4-Chloro-3-methylphenol
Concen: 39.669 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:107 Resp: 215204

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.7	29.5
142	77.9	60.8	91.2

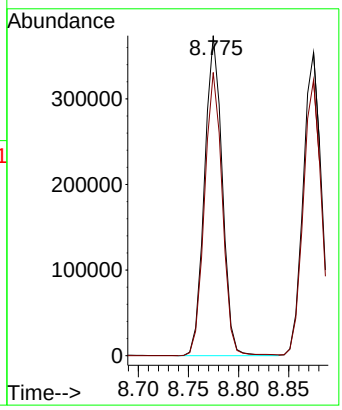




#37
2-Methylnaphthalene
Concen: 40.816 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:142 Resp: 46119

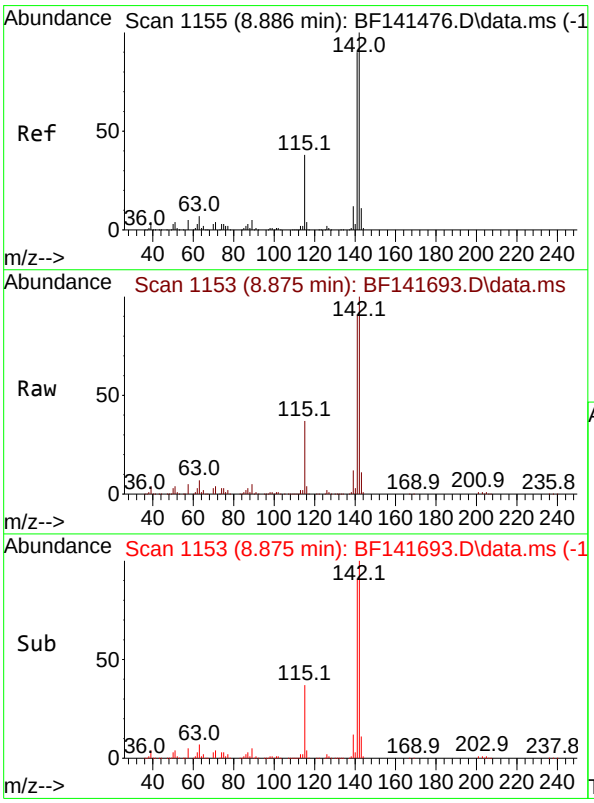
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

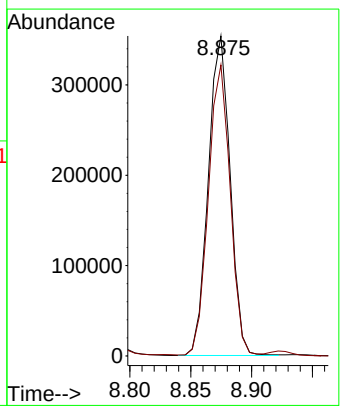
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

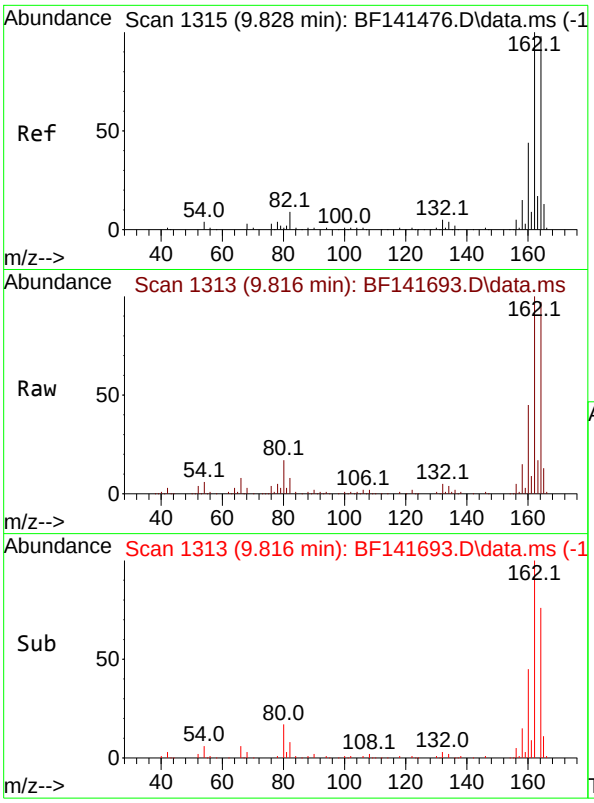


#38
1-Methylnaphthalene
Concen: 40.318 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:142 Resp: 441230

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.1	108.1

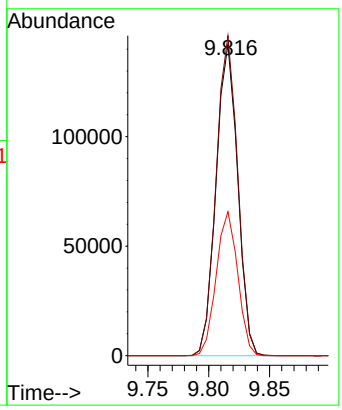




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:164 Resp: 17562

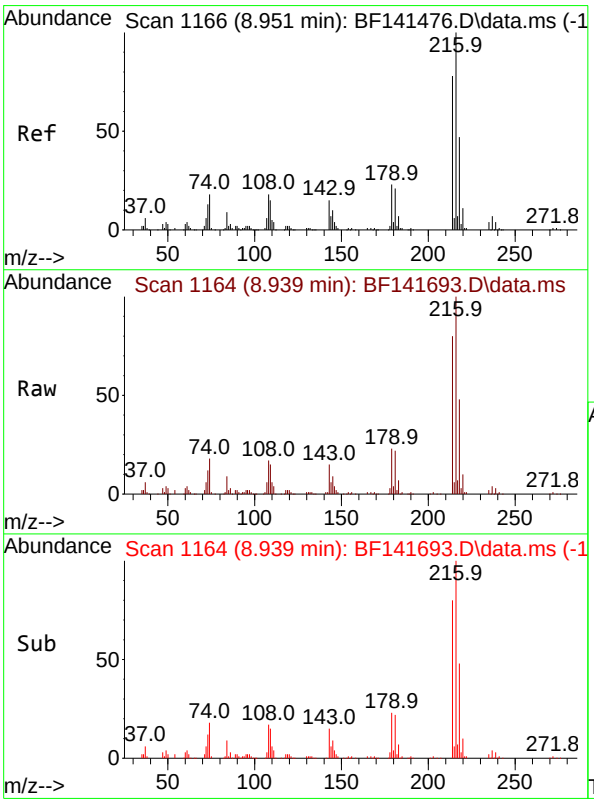
Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.3	121.9
160	46.3	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

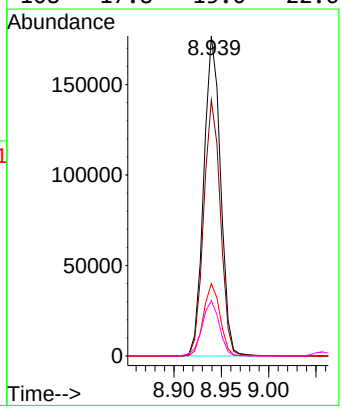
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

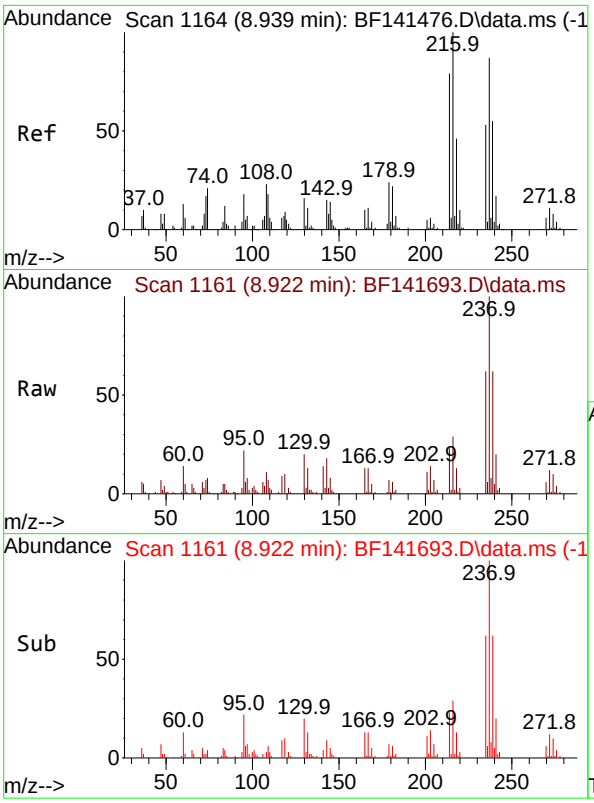


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.741 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:216 Resp: 217164

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.3	93.5
179	22.4	18.0	27.0
108	17.8	15.0	22.6

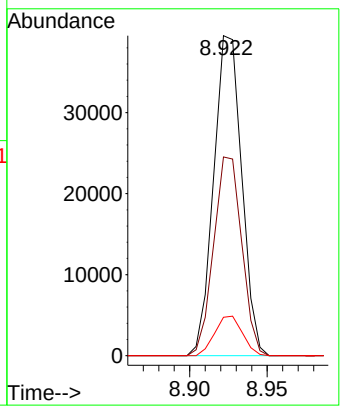




#41
Hexachlorocyclopentadiene
Concen: 29.483 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:237 Resp: 4982

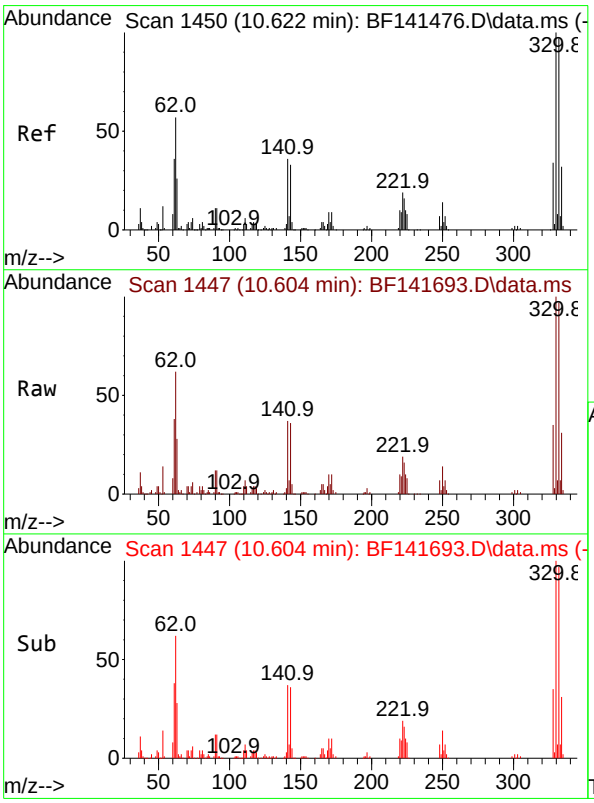
Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.4	81.4
272	12.0	0.0	32.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

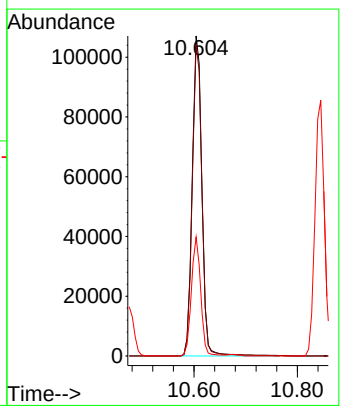
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

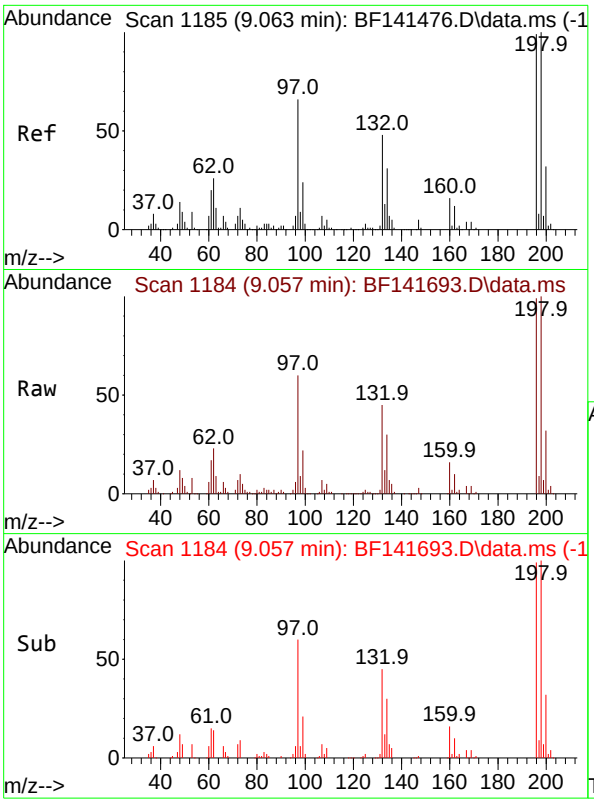


#42
2,4,6-Tribromophenol
Concen: 78.766 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:330 Resp: 138958

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.5	117.7
141	35.8	31.0	46.4

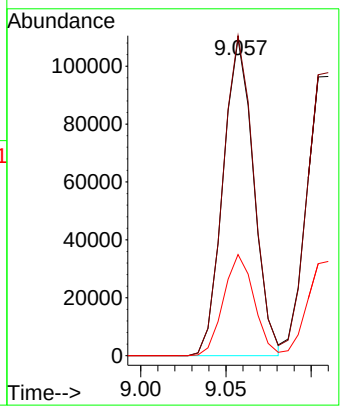




#43
2,4,6-Trichlorophenol
Concen: 41.676 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:196 Resp: 13685

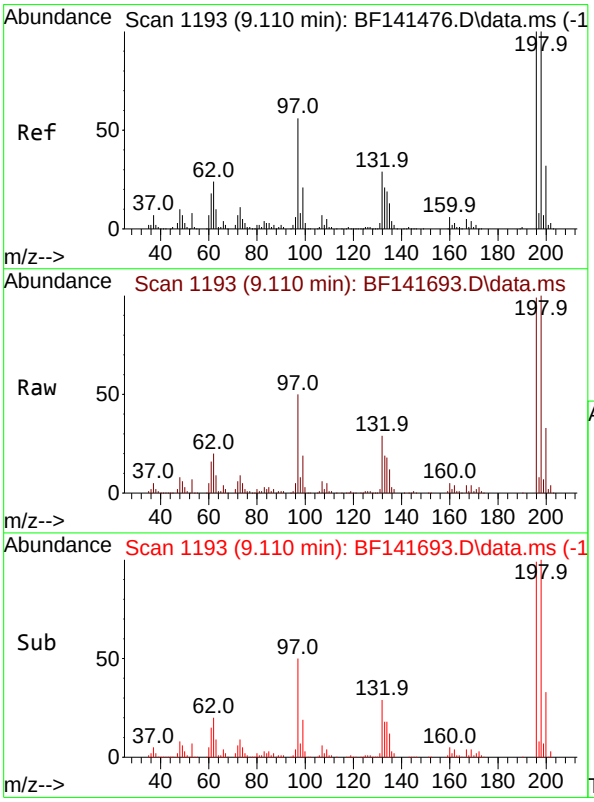
Ion	Ratio	Lower	Upper
196	100		
198	101.1	80.6	121.0
200	31.9	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

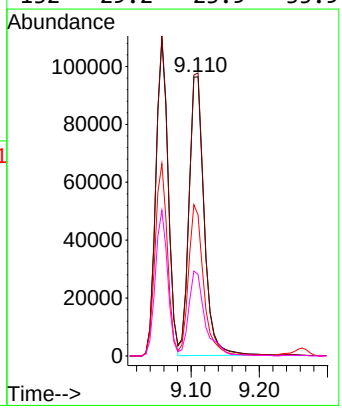
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

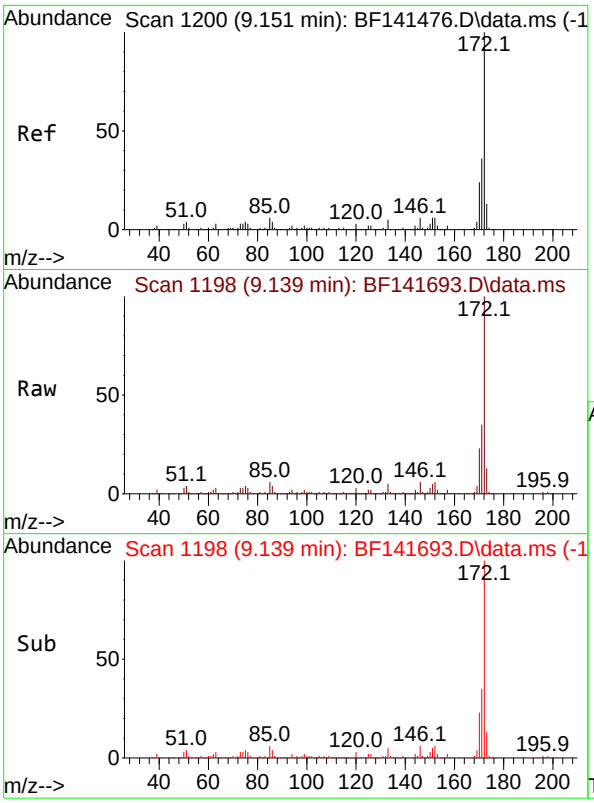


#44
2,4,5-Trichlorophenol
Concen: 41.546 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:196 Resp: 147858

Ion	Ratio	Lower	Upper
196	100		
198	101.4	79.8	119.8
97	50.5	44.8	67.2
132	29.2	23.9	35.9

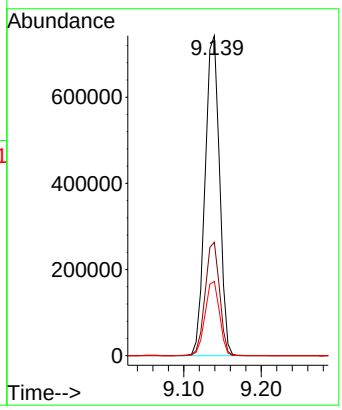




#45
2-Fluorobiphenyl
Concen: 84.575 ng
RT: 9.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:172 Resp: 96408

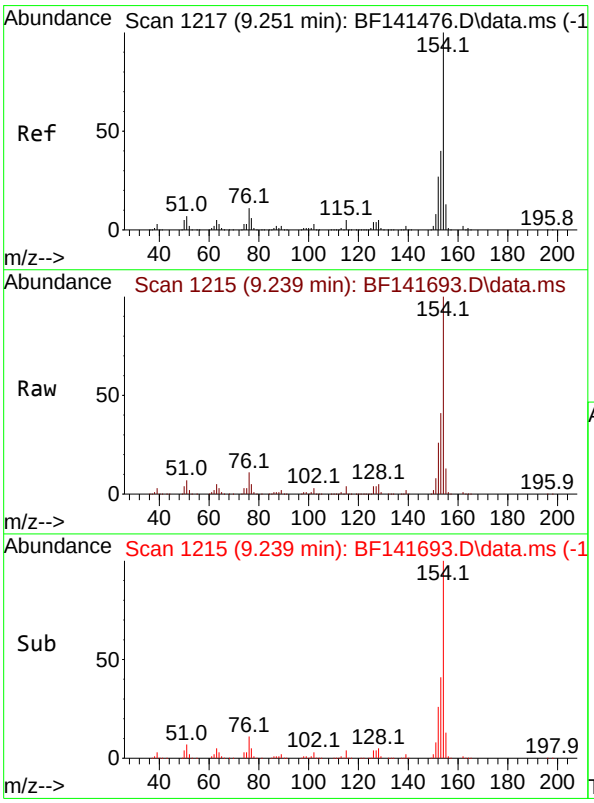
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.2	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

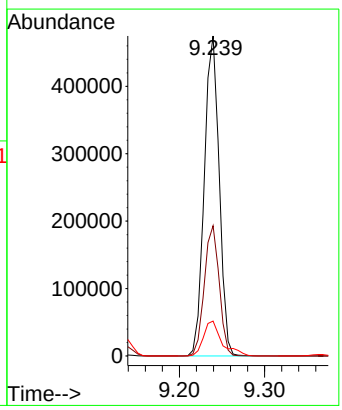
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

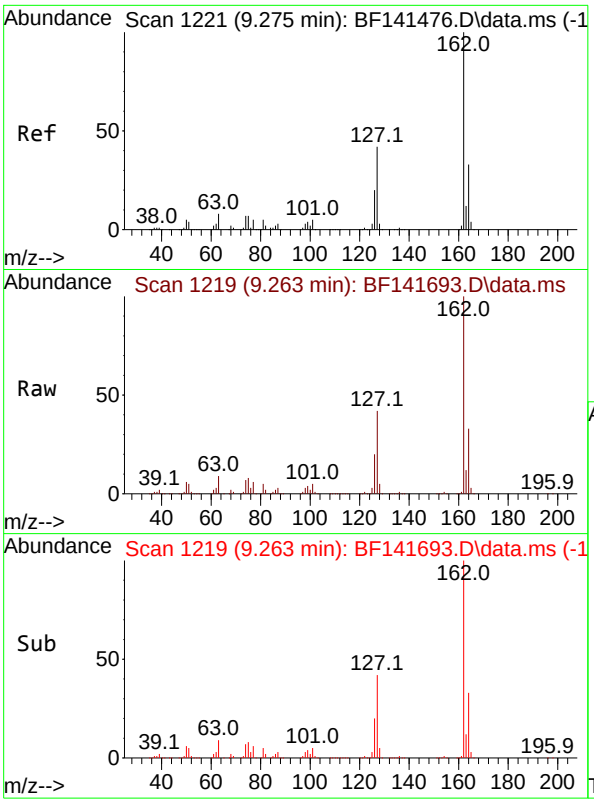


#46
1,1'-Biphenyl
Concen: 42.323 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:154 Resp: 576246

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	10.9	0.0	30.8

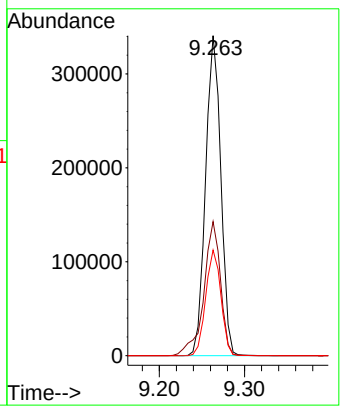




#47
2-Chloronaphthalene
Concen: 42.031 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:162 Resp: 42317

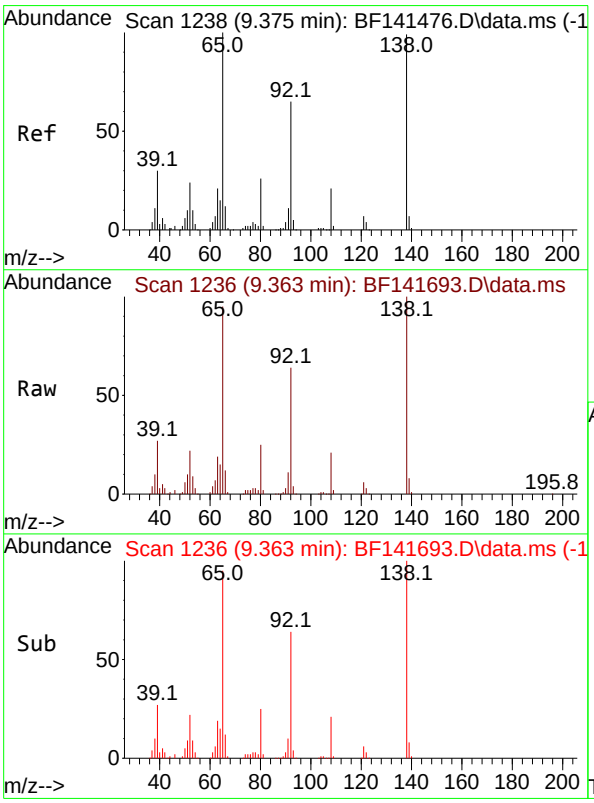
Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.1	51.1
164	33.0	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

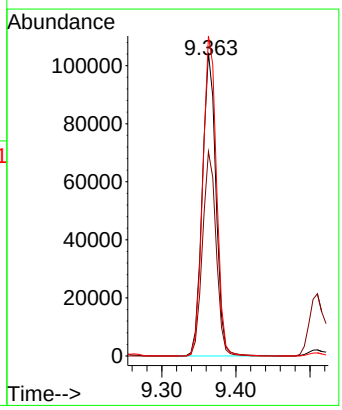
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

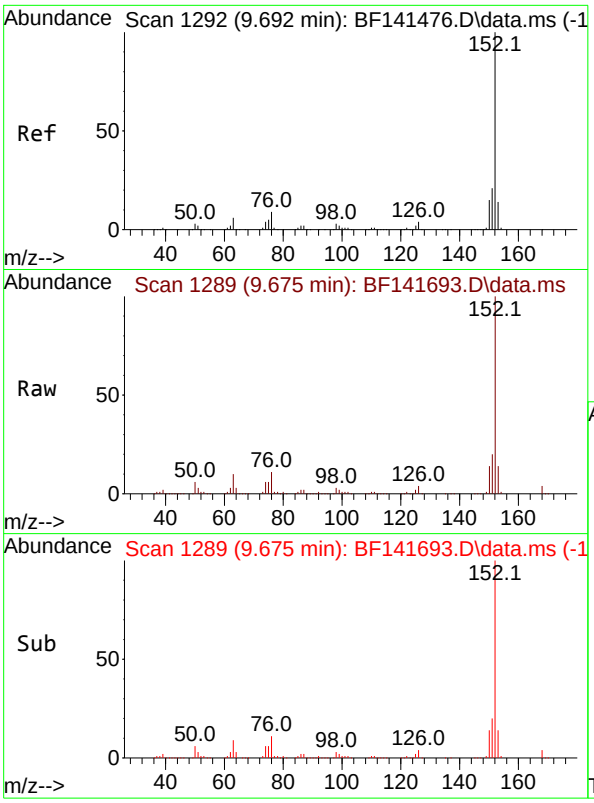


#48
2-Nitroaniline
Concen: 39.545 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 65 Resp: 133620

Ion	Ratio	Lower	Upper
65	100		
92	67.4	52.2	78.2
138	105.5	79.5	119.3

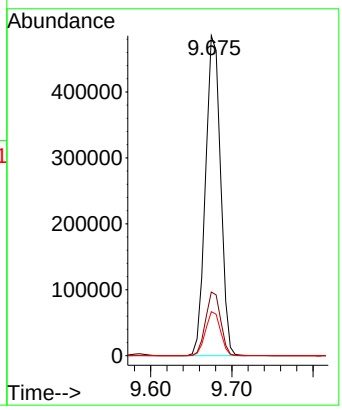




#49
Acenaphthylene
Concen: 41.687 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:152 Resp: 62427

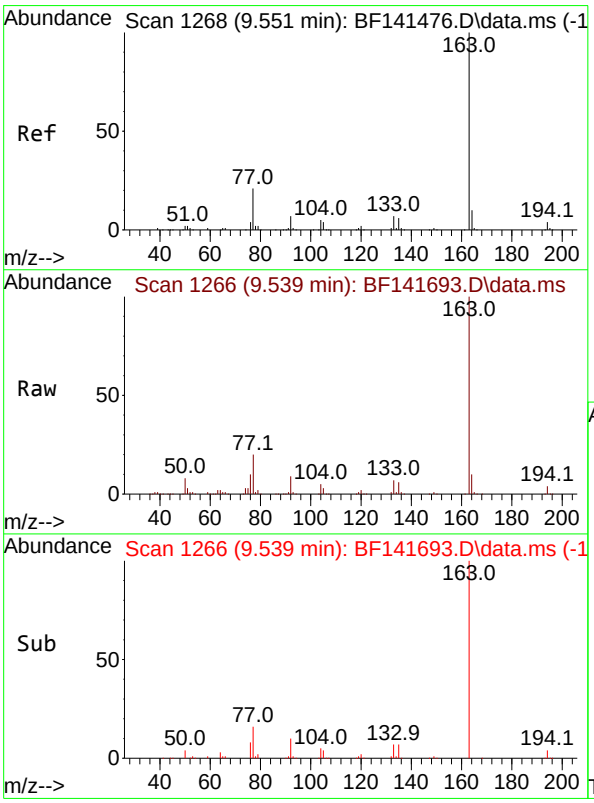
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.4	24.6
153	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

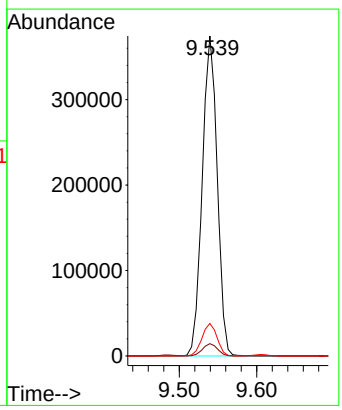
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

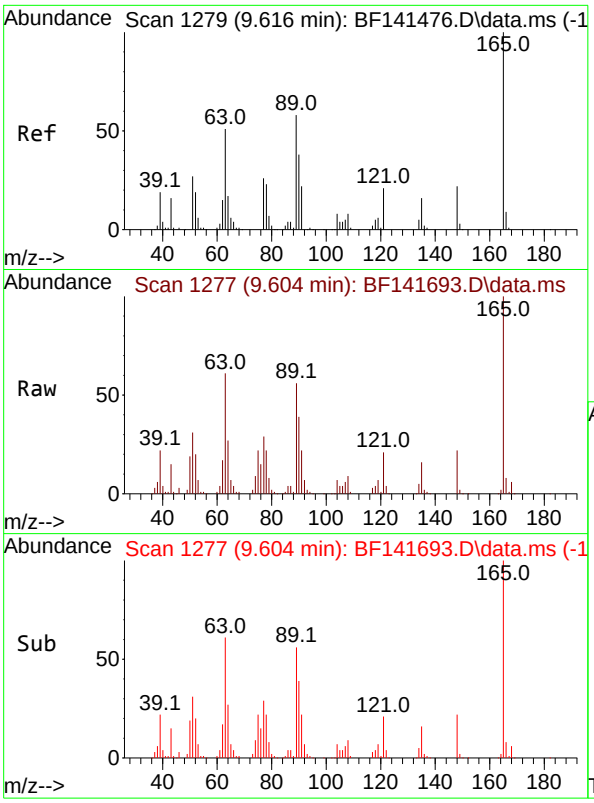


#50
Dimethylphthalate
Concen: 42.096 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:163 Resp: 501886

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: 41.673 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

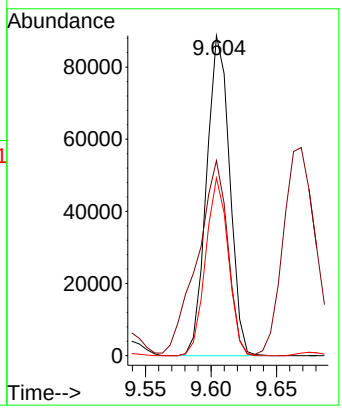
Tgt Ion:165 Resp: 10861

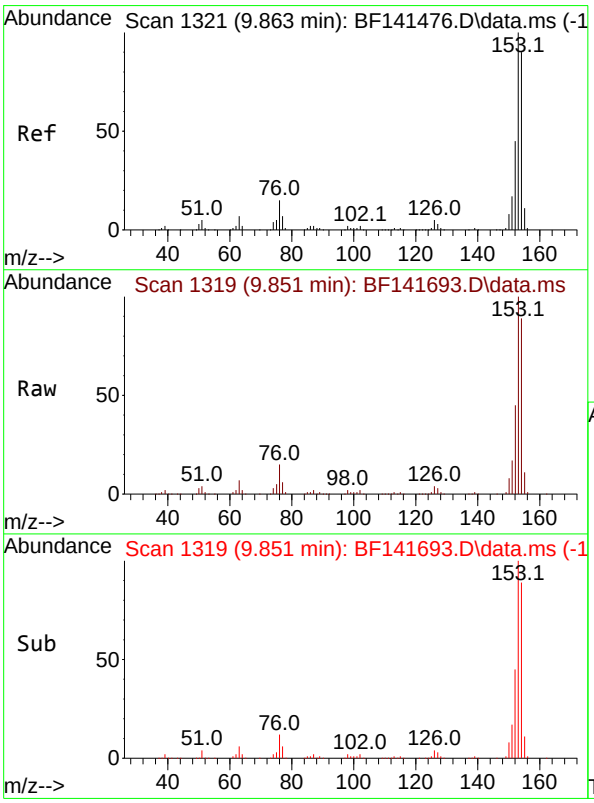
Ion	Ratio	Lower	Upper
165	100		
63	60.9	49.4	74.0
89	55.5	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

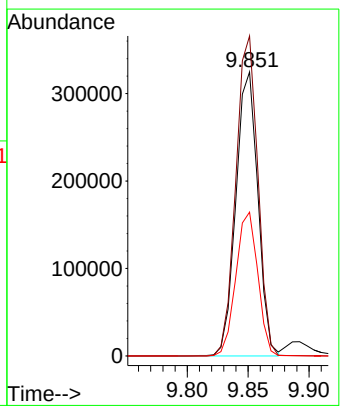


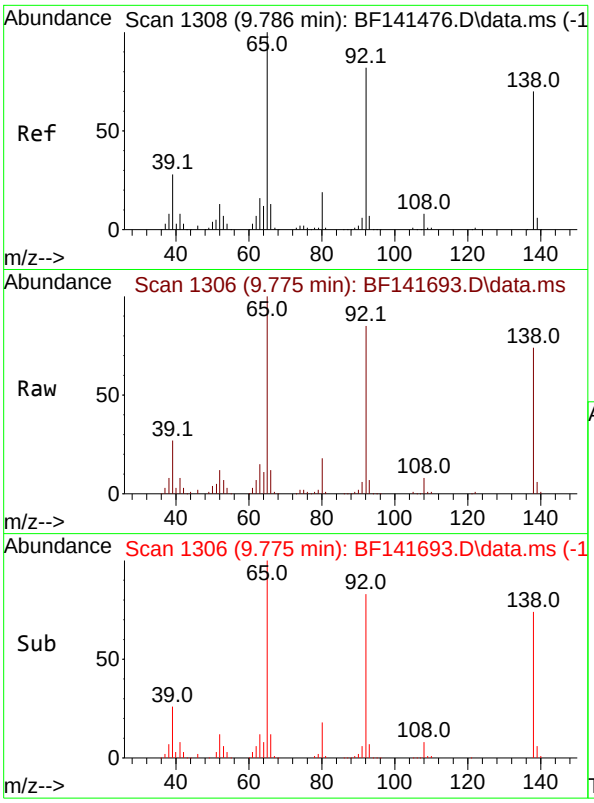


#52
Acenaphthene
Concen: 40.498 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:154 Resp: 407725

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.2	133.8
152	50.6	39.8	59.8





#53
3-Nitroaniline
Concen: 38.593 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

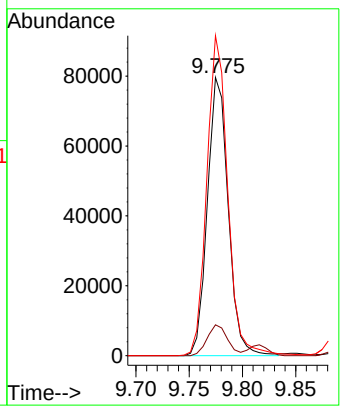
Tgt Ion:138 Resp: 10826

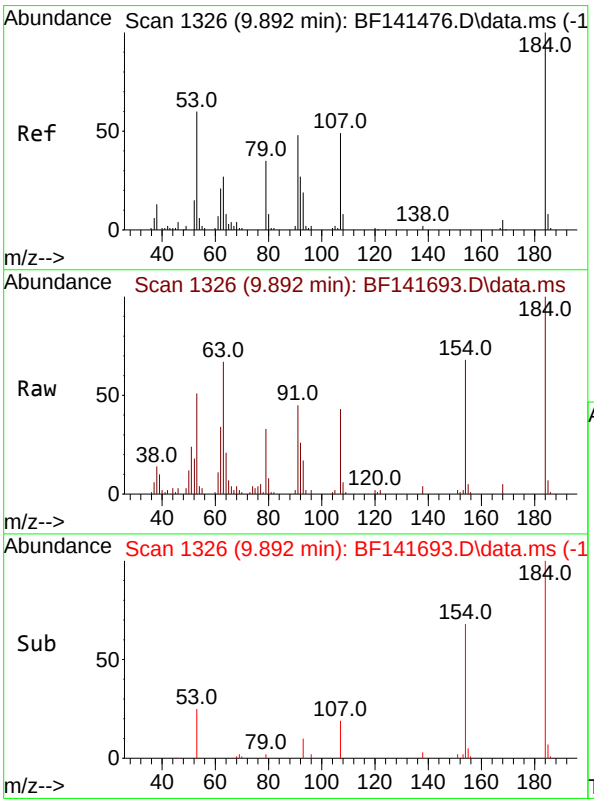
Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	115.0	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

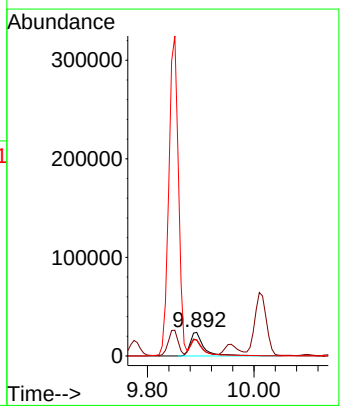


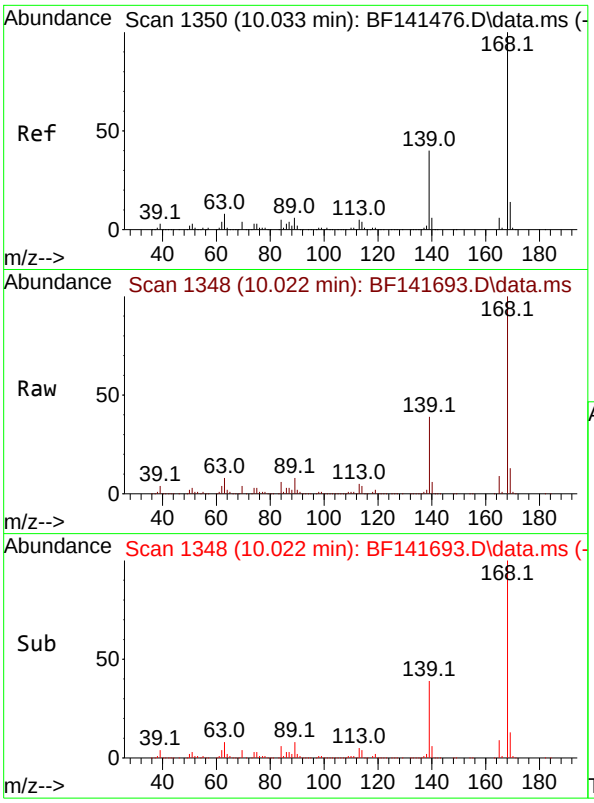


#54
2,4-Dinitrophenol
Concen: 27.871 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:184 Resp: 43173

Ion	Ratio	Lower	Upper
184	100		
63	67.3	61.0	91.6
154	68.4	59.9	89.9

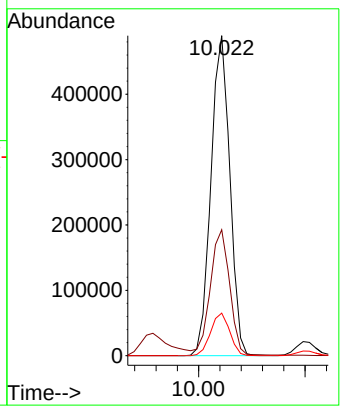




#55
Dibenzofuran
Concen: 40.838 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:168 Resp: 60348

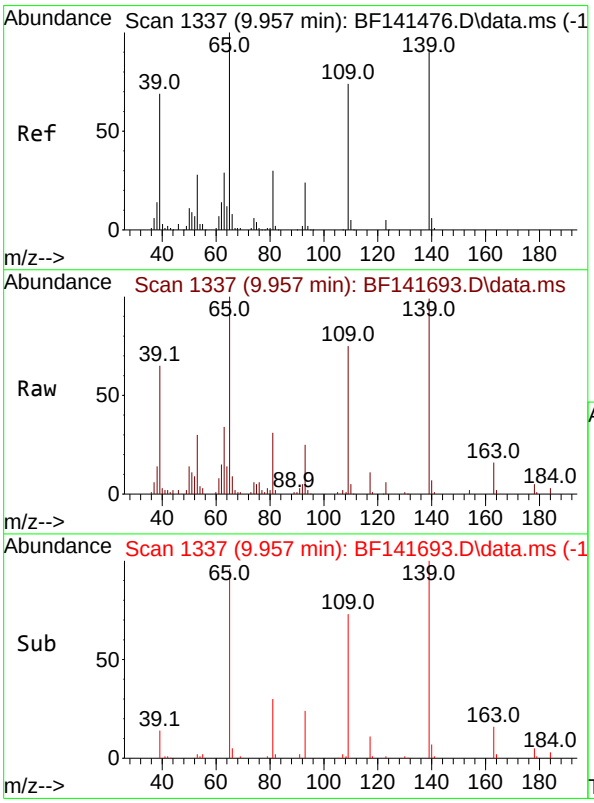
Ion	Ratio	Lower	Upper
168	100		
139	39.3	32.7	49.1
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

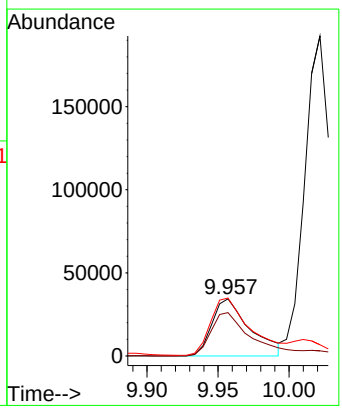
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

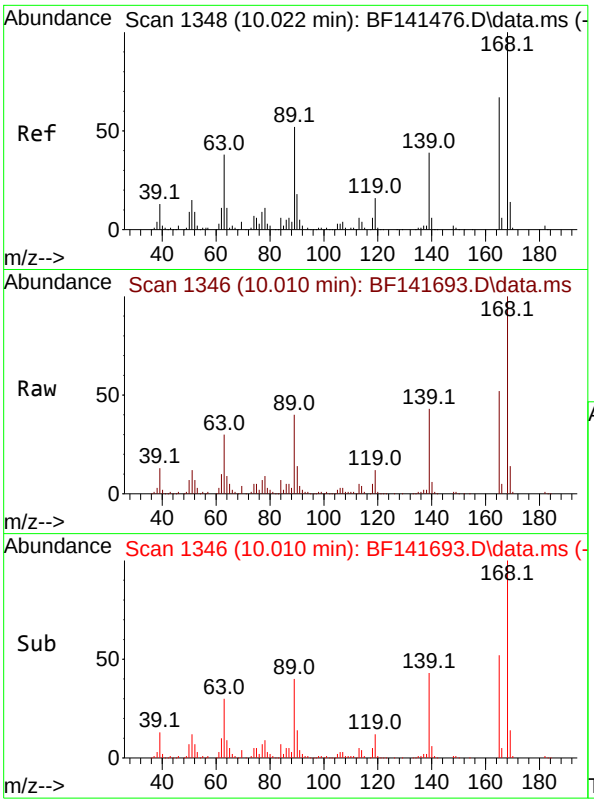


#56
4-Nitrophenol
Concen: 30.582 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:139 Resp: 63683

Ion	Ratio	Lower	Upper
139	100		
109	76.0	62.0	102.0
65	101.4	91.2	131.2

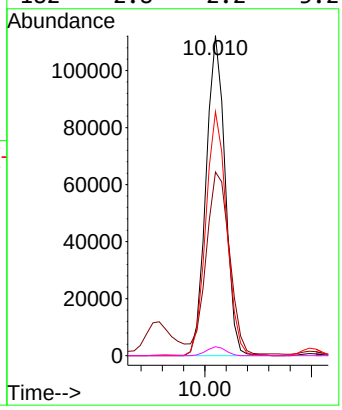




#57
2,4-Dinitrotoluene
Concen: 40.286 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:165 Resp: 13977

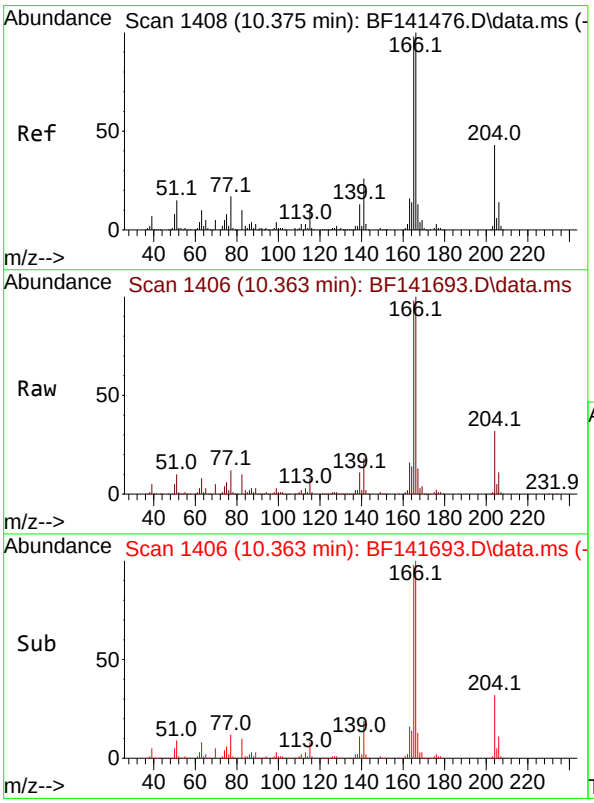
Ion	Ratio	Lower	Upper
165	100		
63	57.4	46.4	69.6
89	76.3	61.8	92.6
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

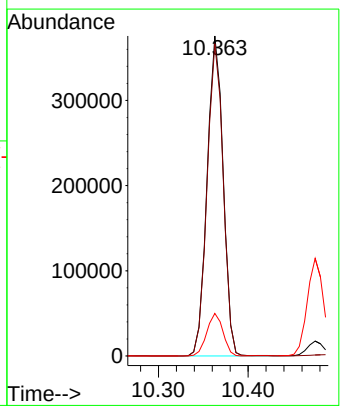
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

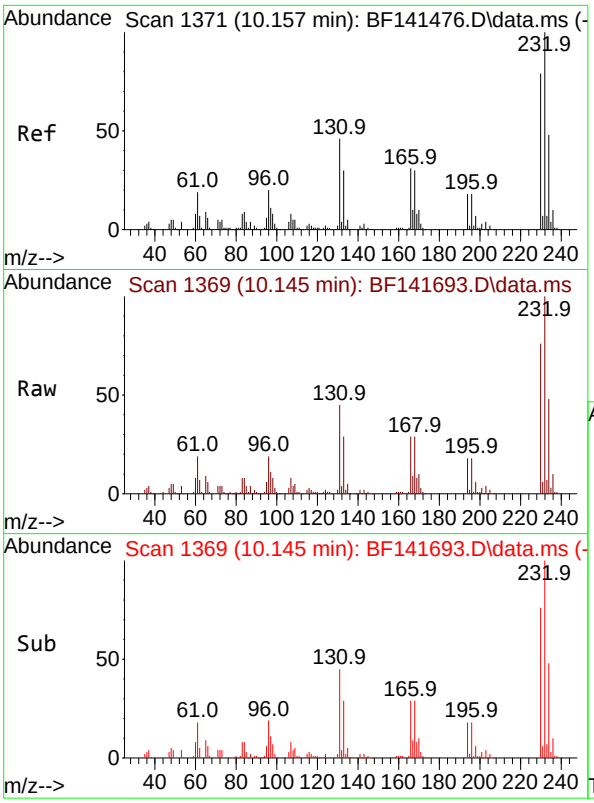


#58
Fluorene
Concen: 40.892 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:166 Resp: 467231

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.2
167	13.3	10.7	16.1

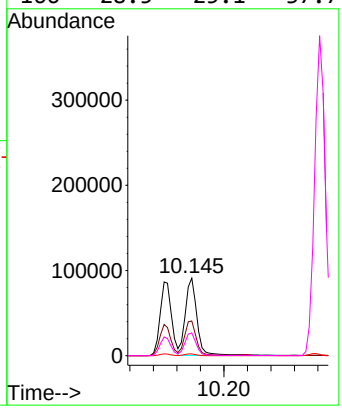




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.567 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:232 Resp: 12429

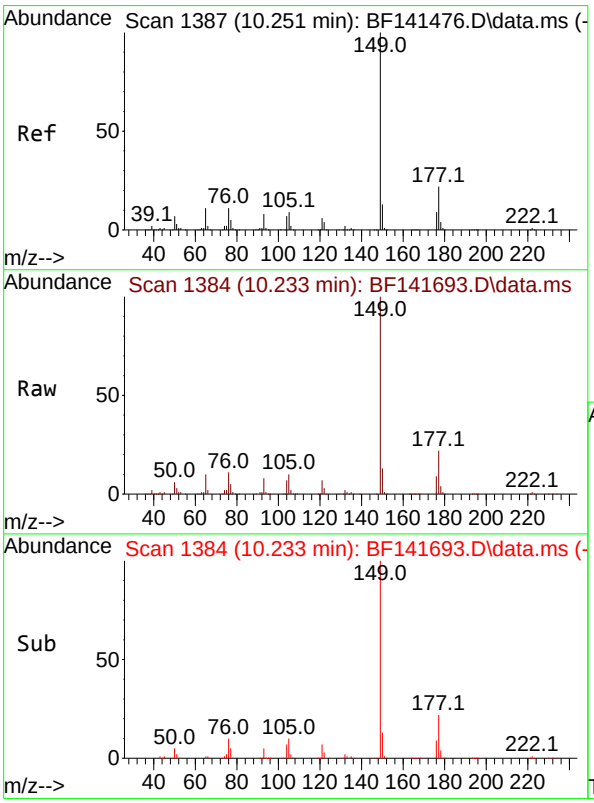
Ion	Ratio	Lower	Upper
232	100		
131	45.3	39.2	58.8
130	2.3	2.1	3.1
166	28.5	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

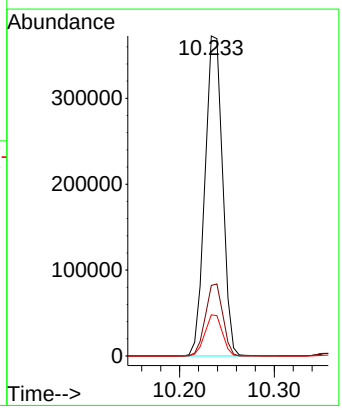
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

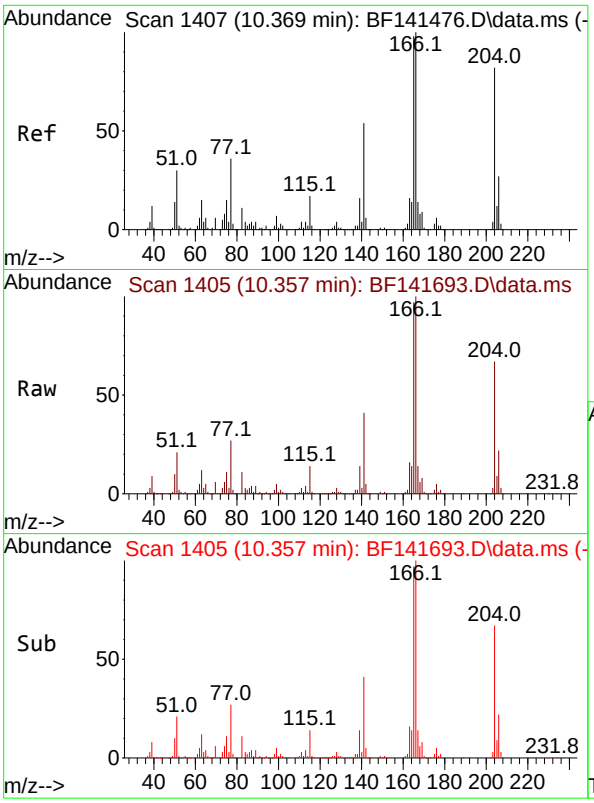


#60
Diethylphthalate
Concen: 41.053 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 481565

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.8	26.6
150	12.8	10.1	15.1

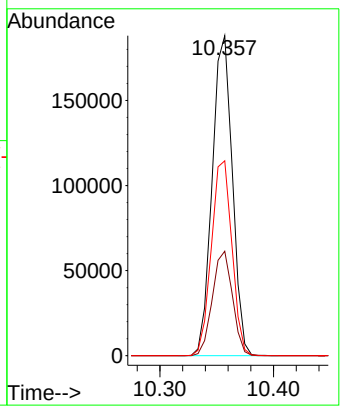




#61
4-Chlorophenyl-phenylether
Concen: 42.206 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:204 Resp: 23200

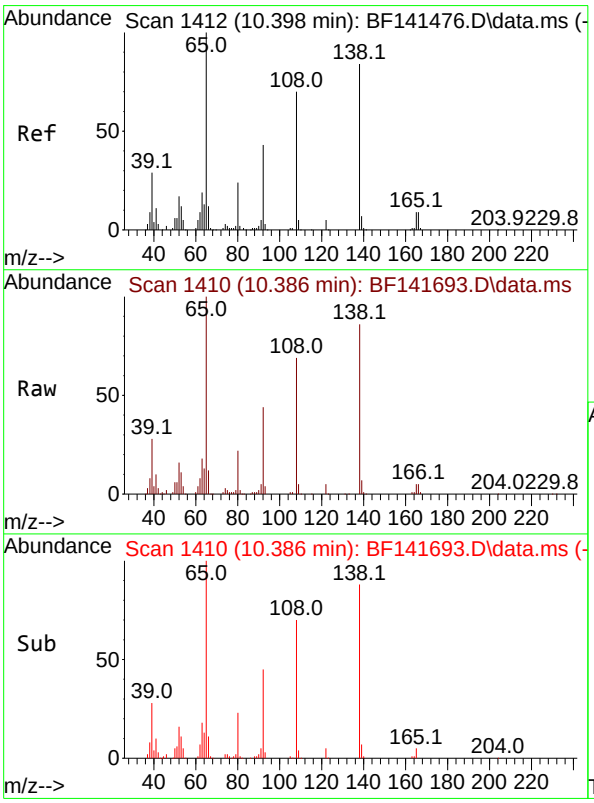
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	40.0
141	60.9	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

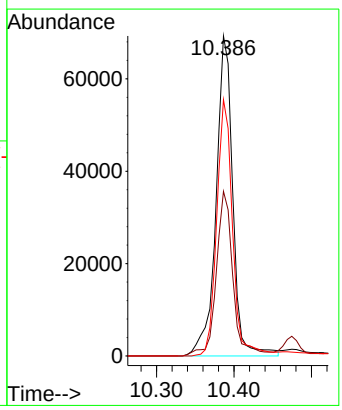
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

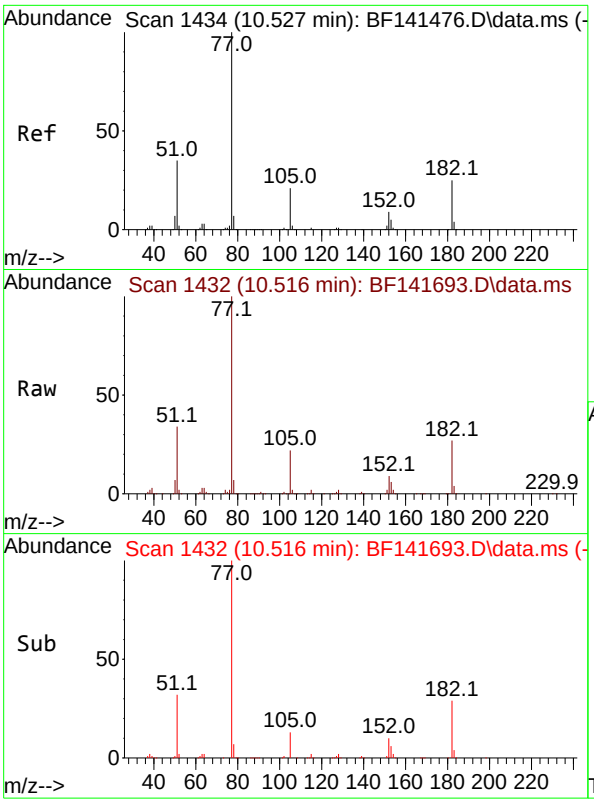


#62
4-Nitroaniline
Concen: 36.557 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:138 Resp: 104128

Ion	Ratio	Lower	Upper
138	100		
92	51.4	31.3	71.3
108	80.1	63.7	103.7

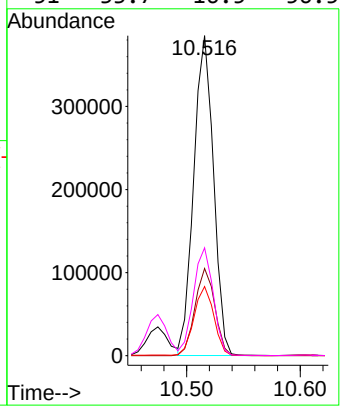




#63
Azobenzene
Concen: 39.911 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 77 Resp: 46541

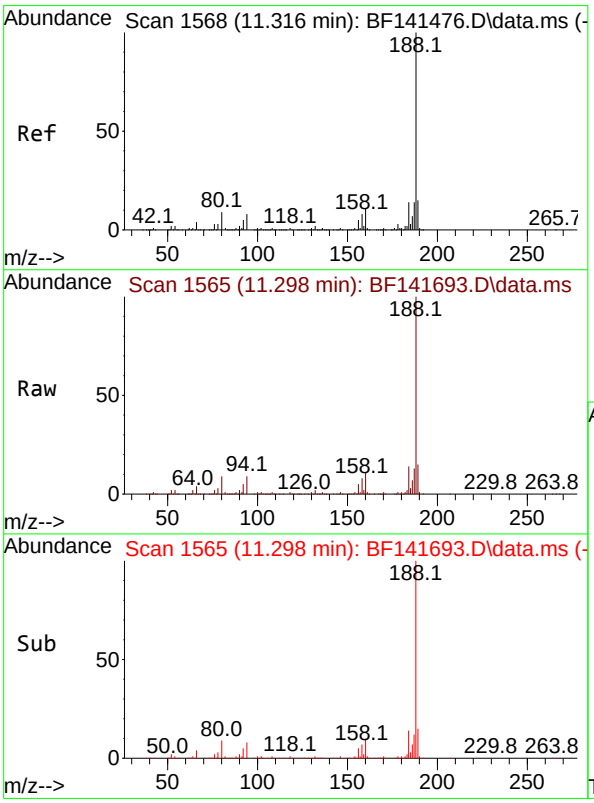
Ion	Ratio	Lower	Upper
77	100		
182	27.2	4.7	44.7
105	21.6	0.4	40.4
51	33.7	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

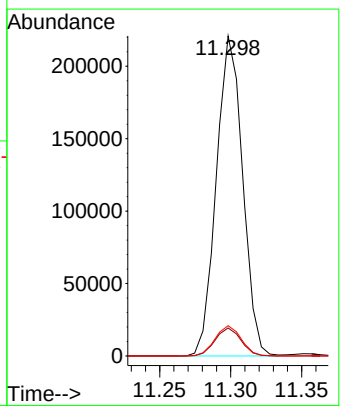
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

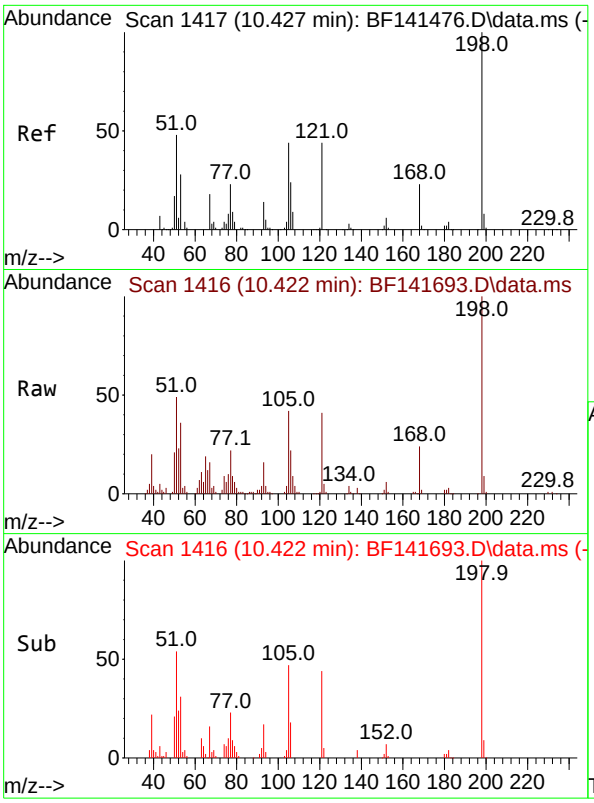


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:188 Resp: 284381

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	7.3	10.9

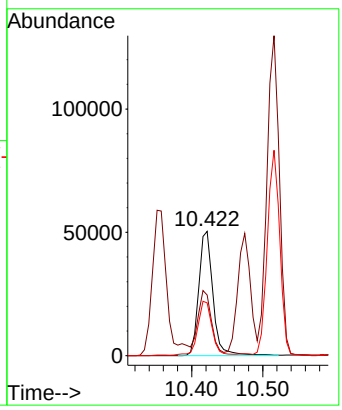




#65
4,6-Dinitro-2-methylphenol
Concen: 35.577 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:198 Resp: 7028

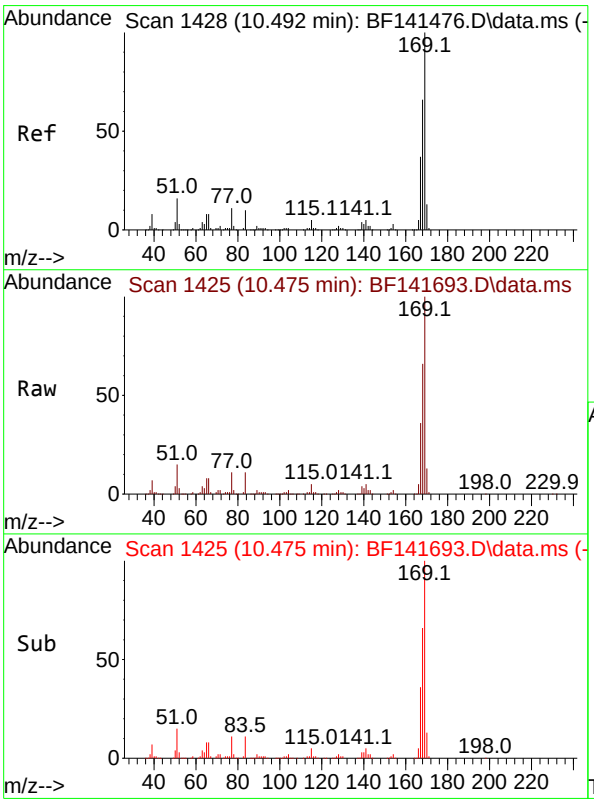
Ion	Ratio	Lower	Upper
198	100		
51	48.8	37.4	77.4
105	42.4	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

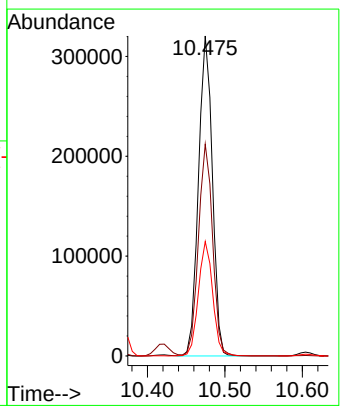
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

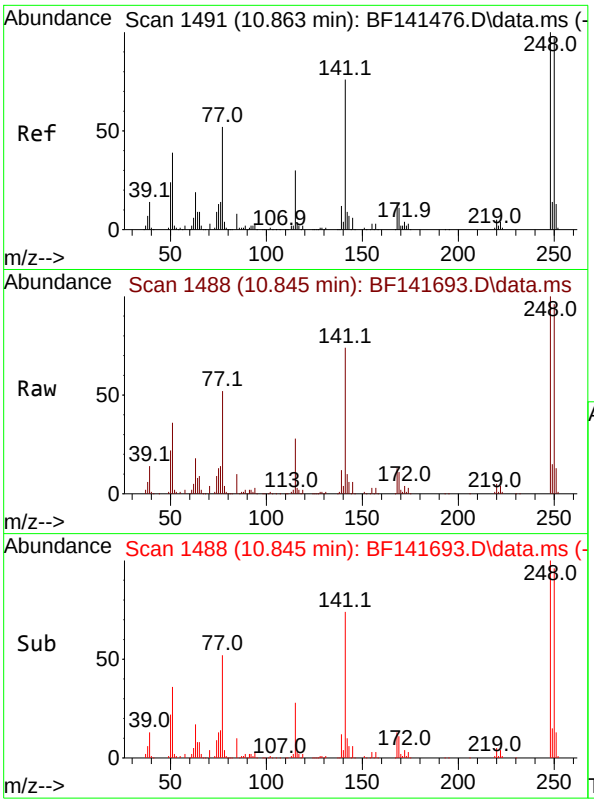


#66
n-Nitrosodiphenylamine
Concen: 43.812 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:169 Resp: 398837

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.3	79.9
167	35.8	29.4	44.2

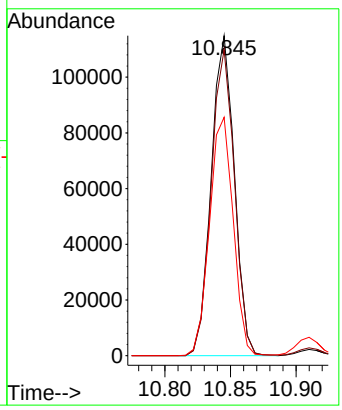




#67
4-Bromophenyl-phenylether
Concen: 44.410 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:248 Resp: 14115

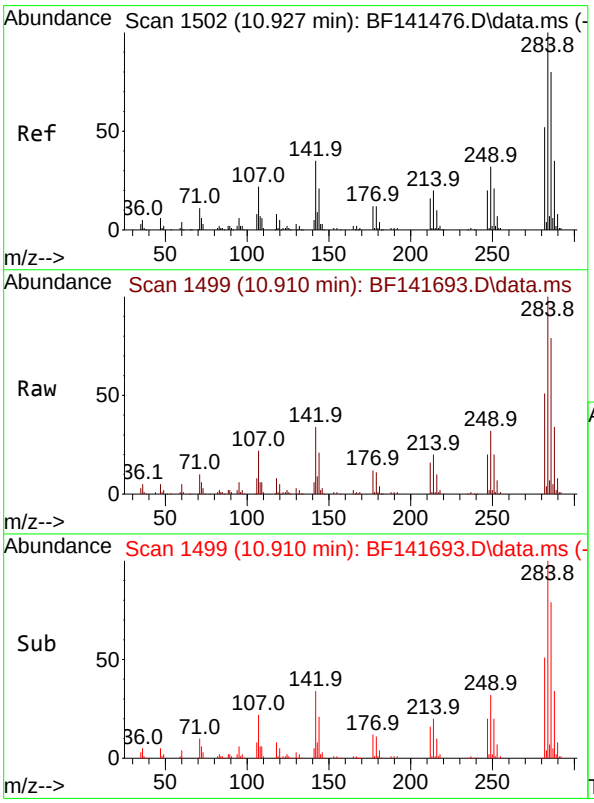
Ion	Ratio	Lower	Upper
248	100		
250	95.6	77.8	116.6
141	74.5	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

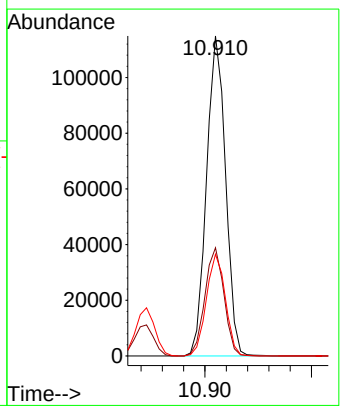
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

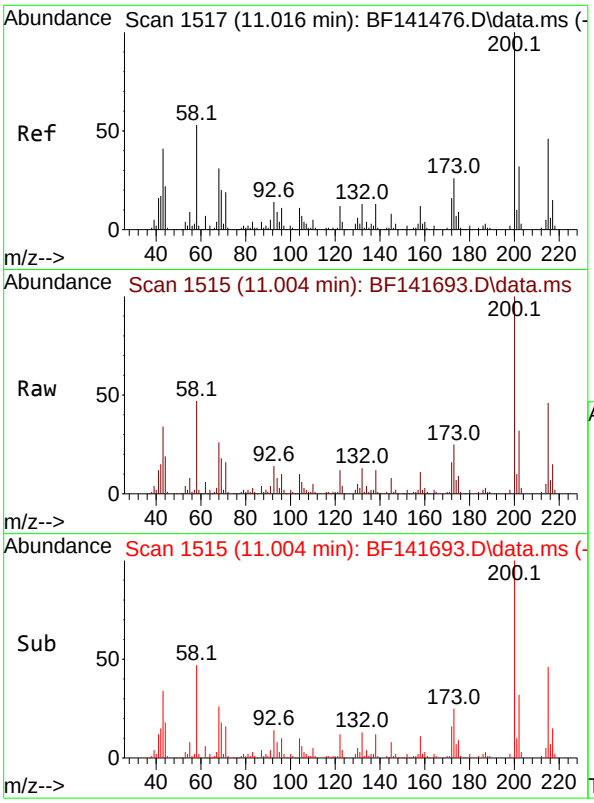


#68
Hexachlorobenzene
Concen: 43.534 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:284 Resp: 142480

Ion	Ratio	Lower	Upper
284	100		
142	33.8	28.0	42.0
249	31.8	25.8	38.8

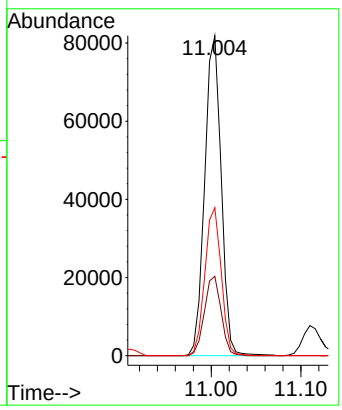




#69
Atrazine
Concen: 38.322 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:200 Resp: 10465

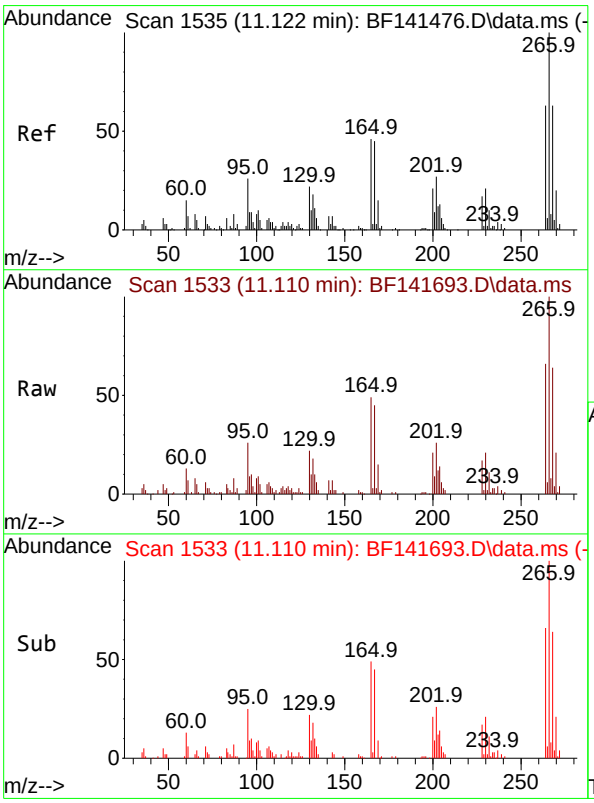
Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.9	45.9
215	46.2	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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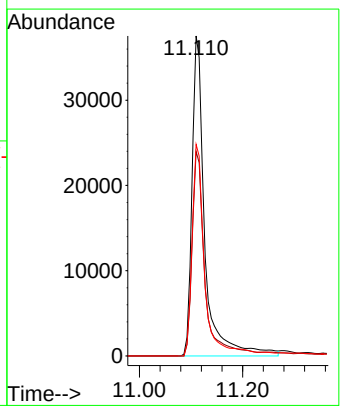
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

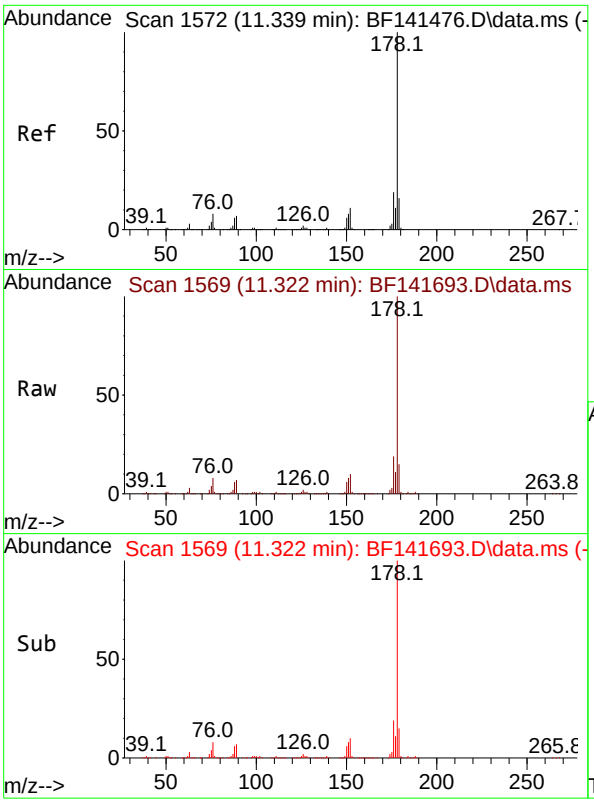


#70
Pentachlorophenol
Concen: 30.952 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:266 Resp: 64773

Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.1	75.1
264	66.1	50.1	75.1

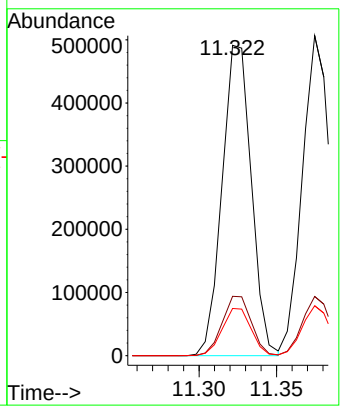




#71
Phenanthrene
Concen: 41.219 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:178 Resp: 64523

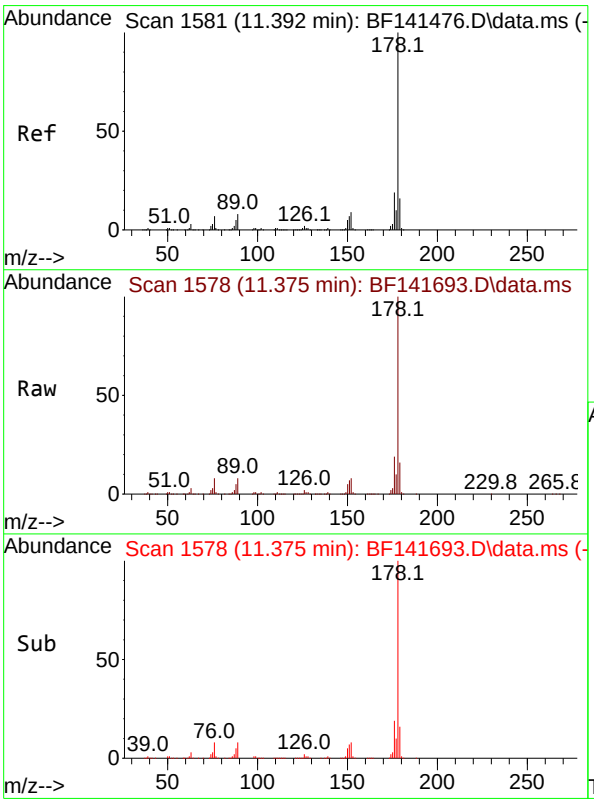
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

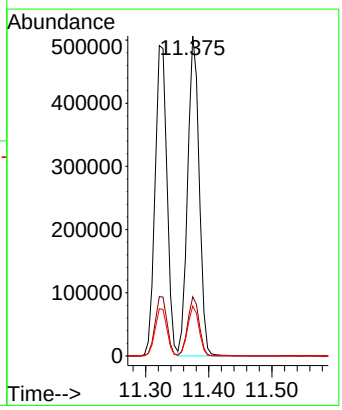
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

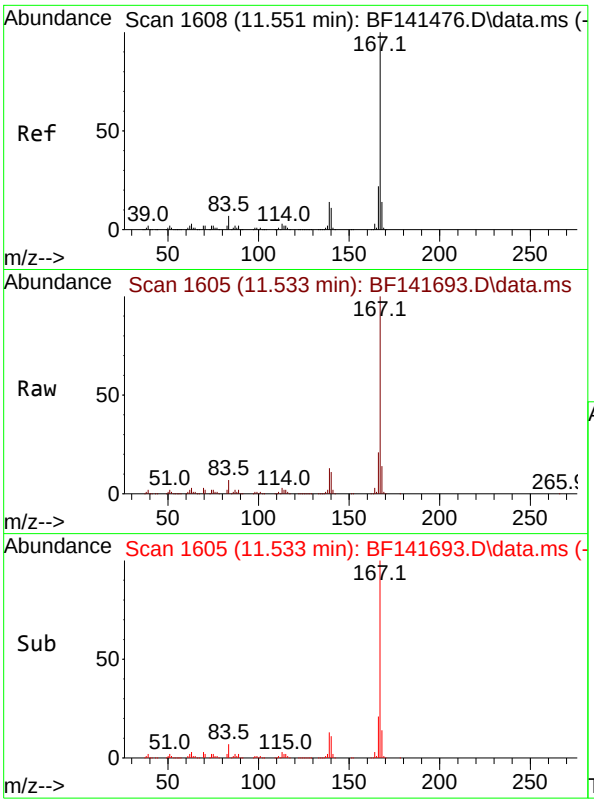


#72
Anthracene
Concen: 40.893 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:178 Resp: 643493

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.6	12.4	18.6





#73
Carbazole
Concen: 38.799 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

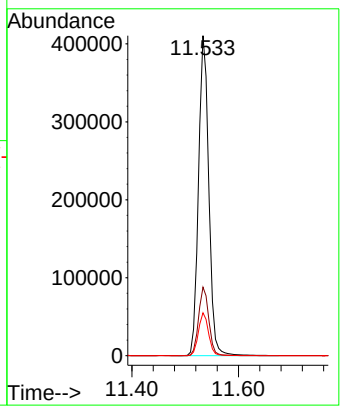
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

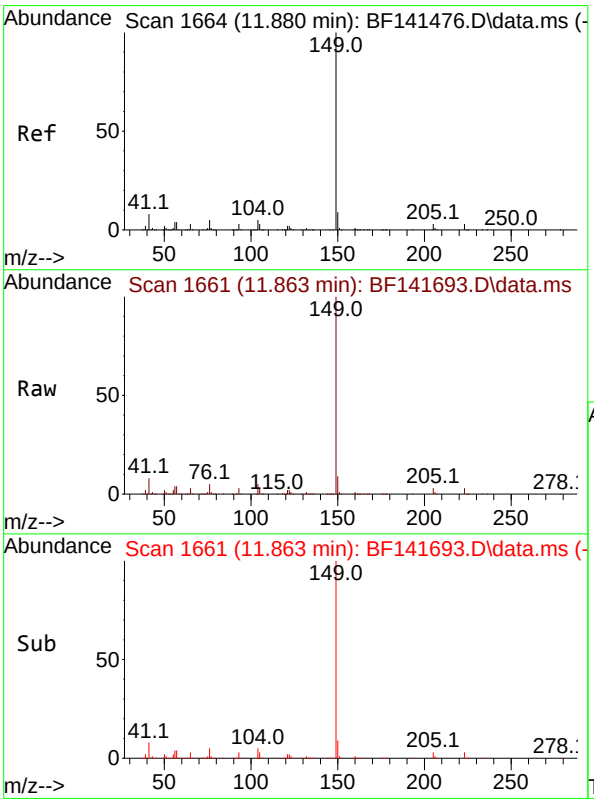
Tgt Ion:167 Resp: 54935

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	13.4	10.9	16.3

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

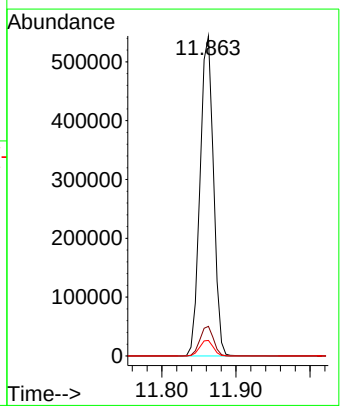


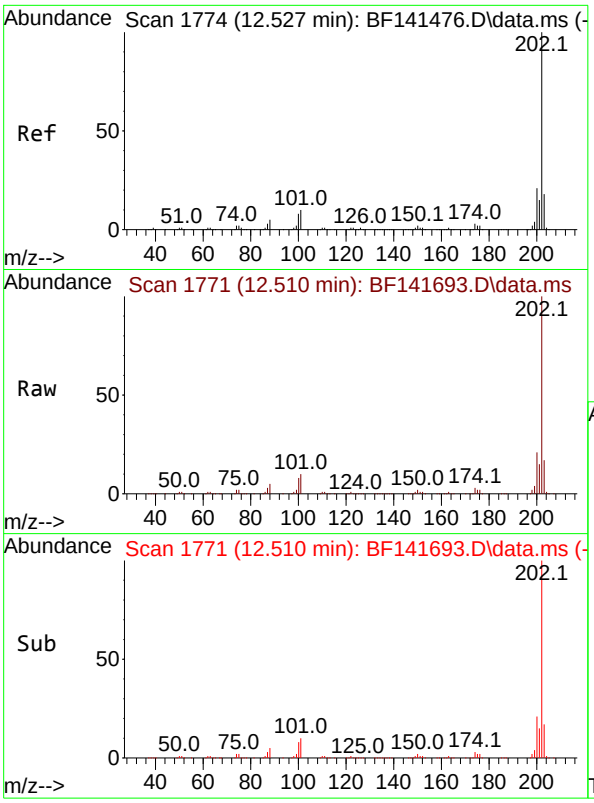


#74
Di-n-butylphthalate
Concen: 41.961 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 686027

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.9	4.2	6.2

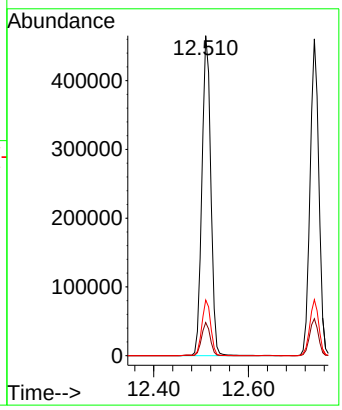




#75
Fluoranthene
Concen: 36.275 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:202 Resp: 60202

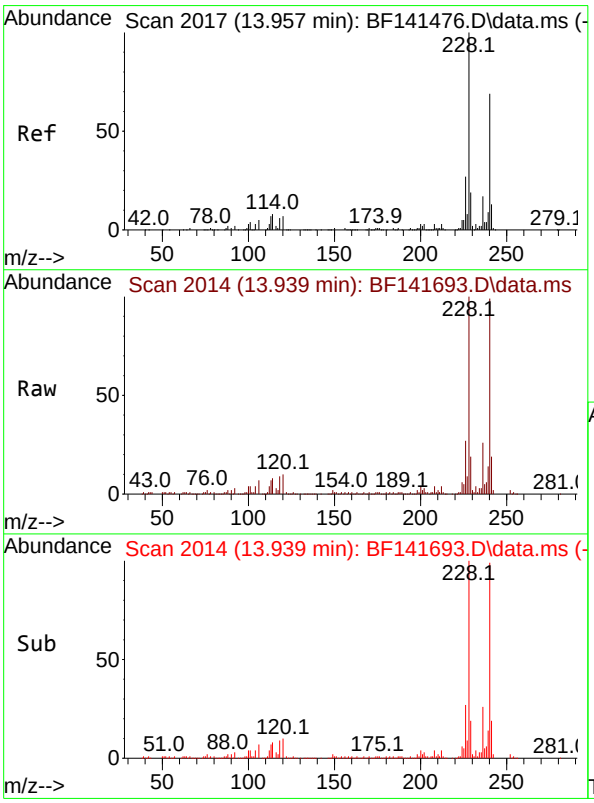
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.4	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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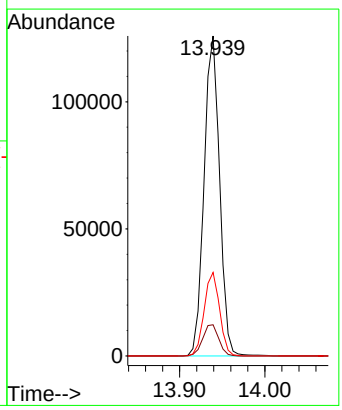
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

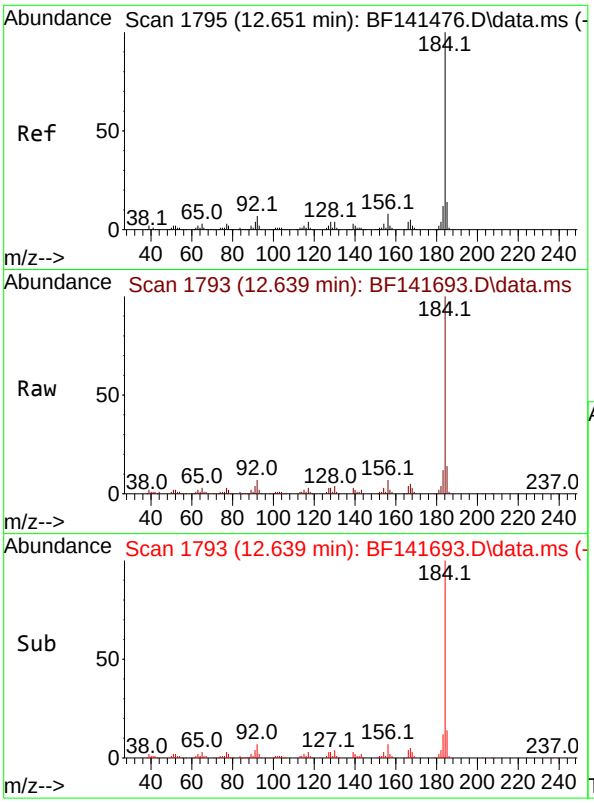


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:240 Resp: 159233

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.0	12.0
236	26.1	19.8	29.8

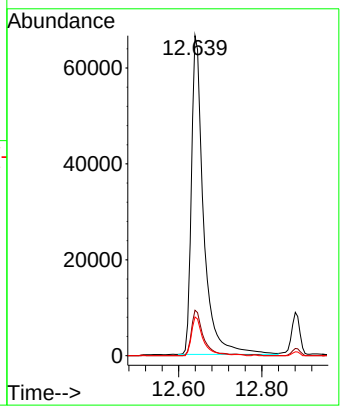




#77
Benzidine
Concen: 38.498 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:184 Resp: 13519

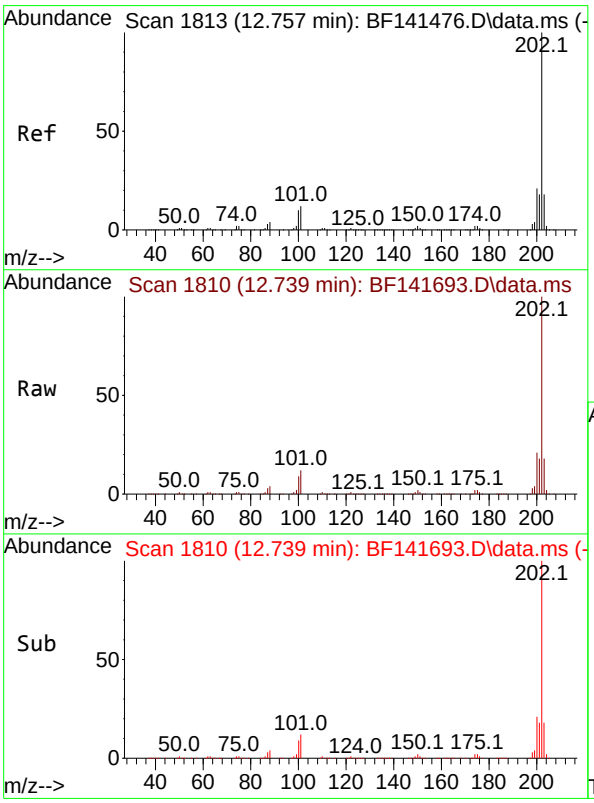
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	12.1	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

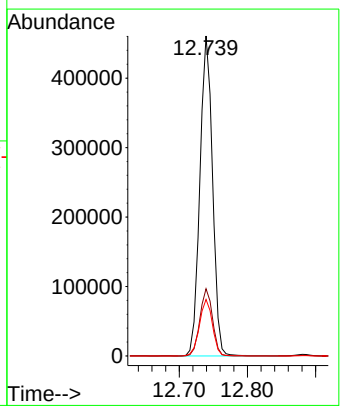
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

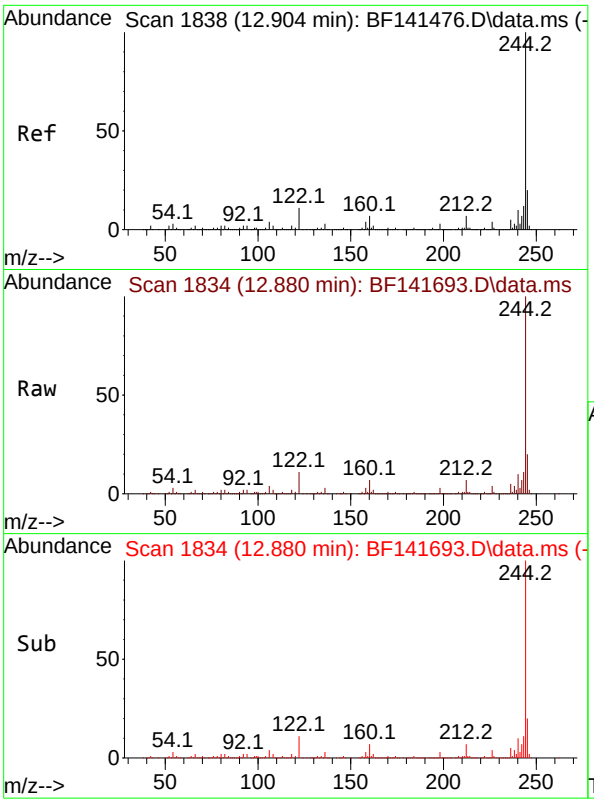


#78
Pyrene
Concen: 43.915 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:202 Resp: 595275

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.7	14.3	21.5

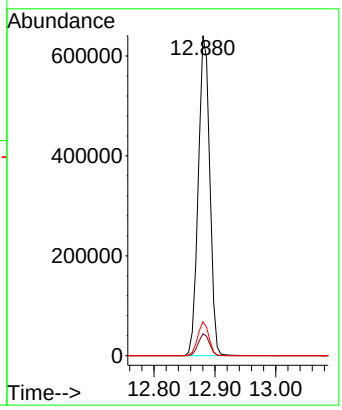




#79
Terphenyl-d14
Concen: 89.083 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:244 Resp: 84025

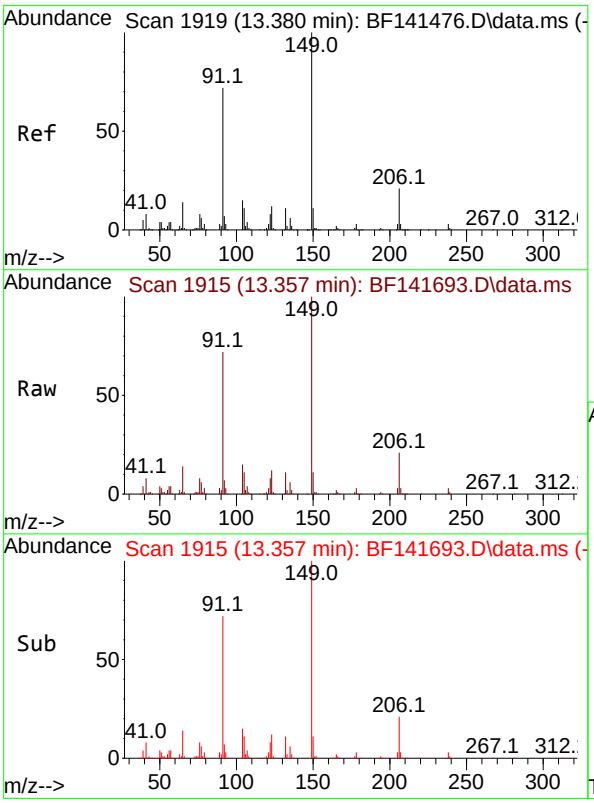
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

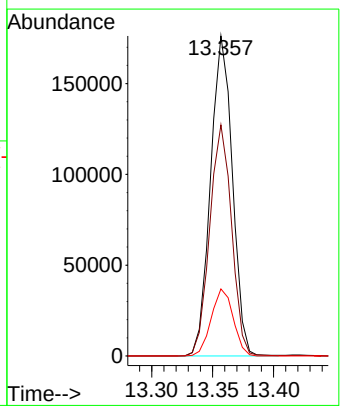
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

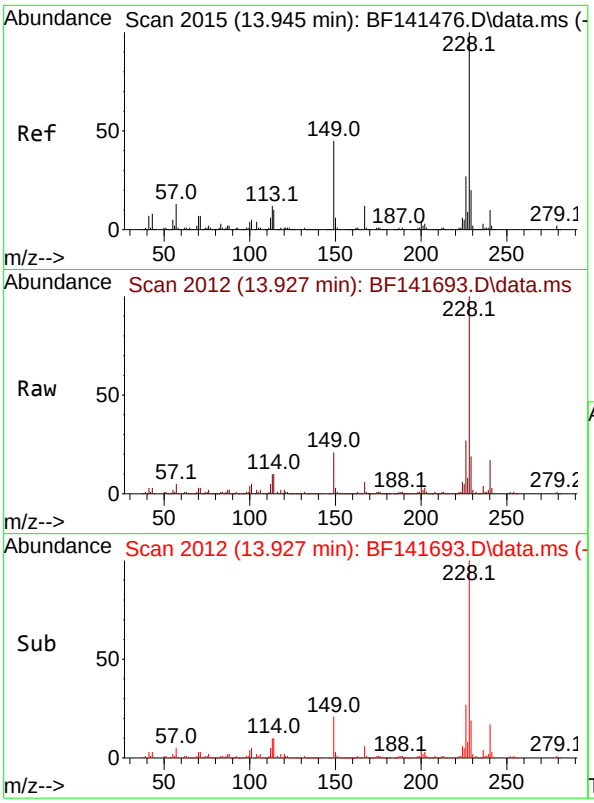


#80
Butylbenzylphthalate
Concen: 46.775 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 219614

Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	21.0	16.7	25.1

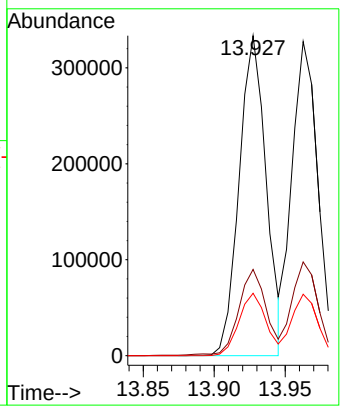




#81
Benzo(a)anthracene
Concen: 41.686 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:228 Resp: 44123

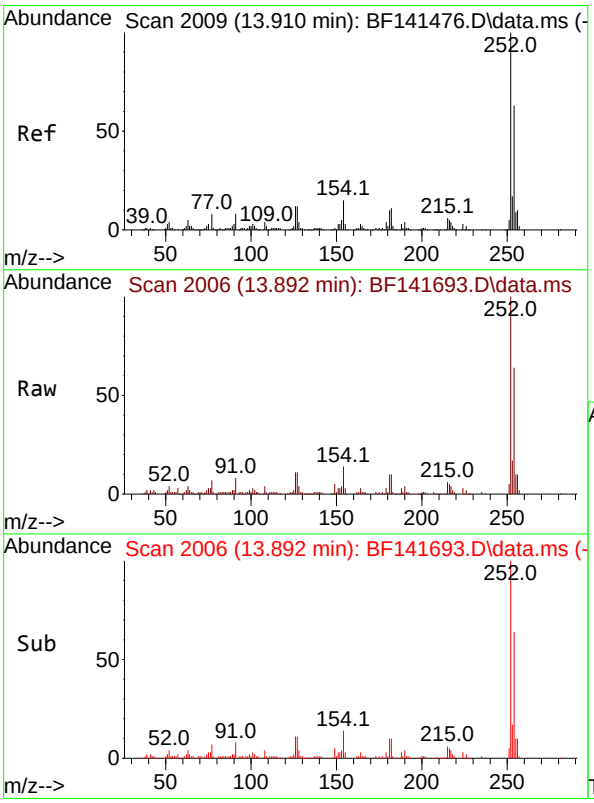
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

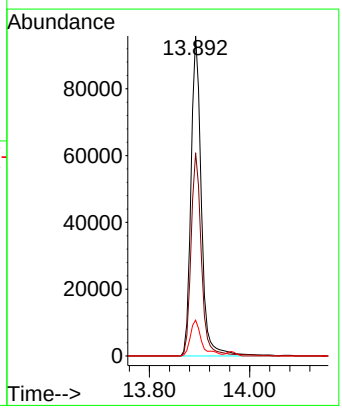
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

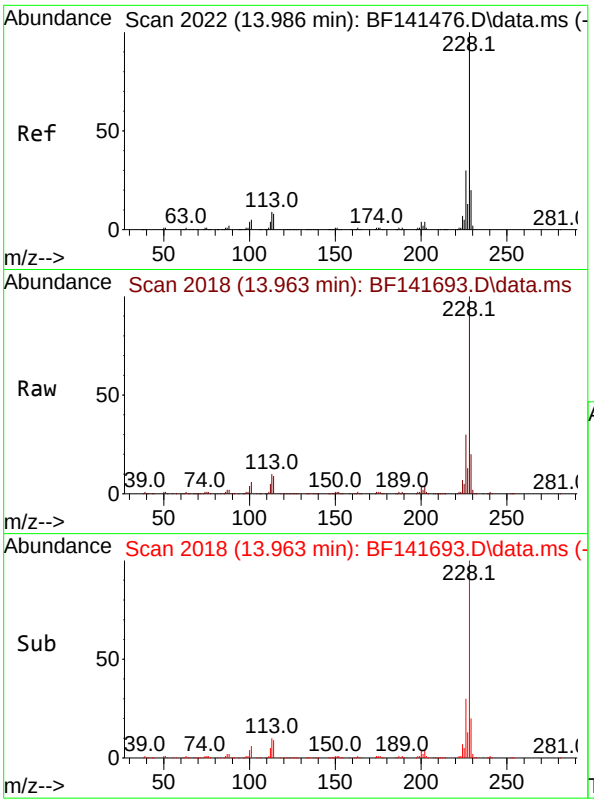


#82
3,3'-Dichlorobenzidine
Concen: 45.215 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 137095

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.6	76.0
126	11.2	9.3	13.9

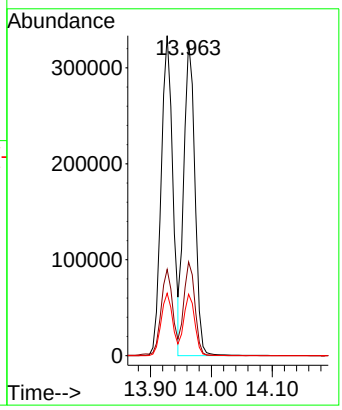




#83
Chrysene
Concen: 42.478 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:228 Resp: 41515

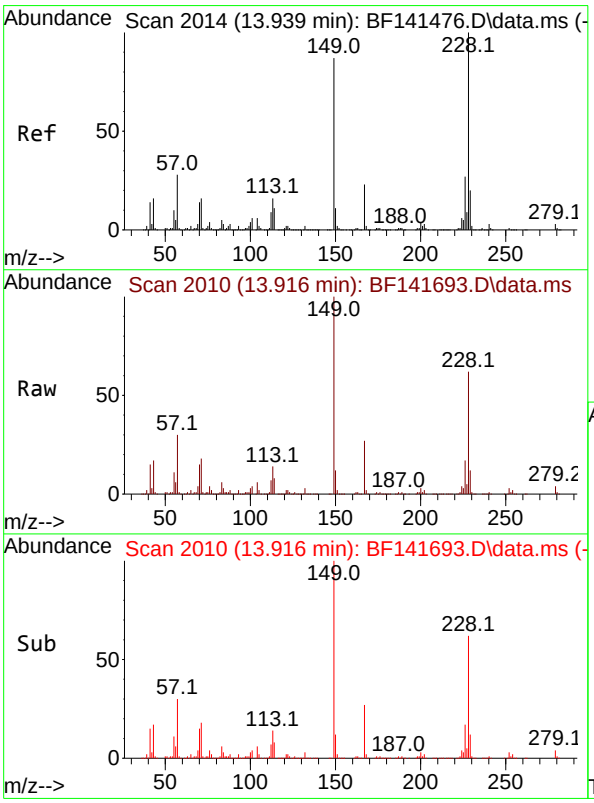
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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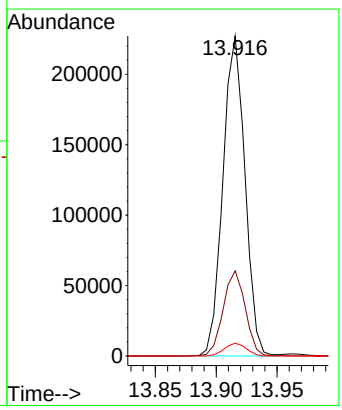
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

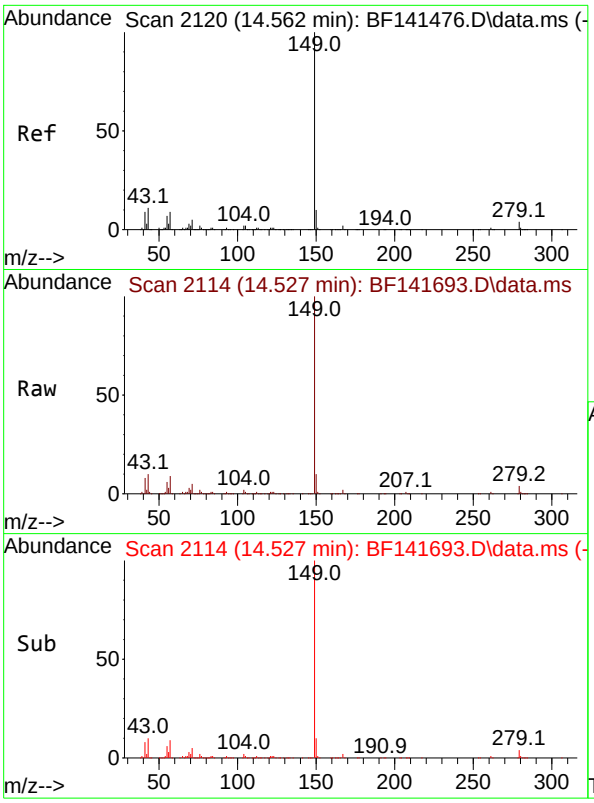


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.076 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 286347

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	4.0	3.1	4.7

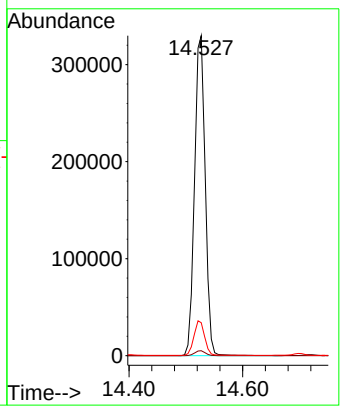




#85
Di-n-octyl phthalate
Concen: 57.257 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 43253

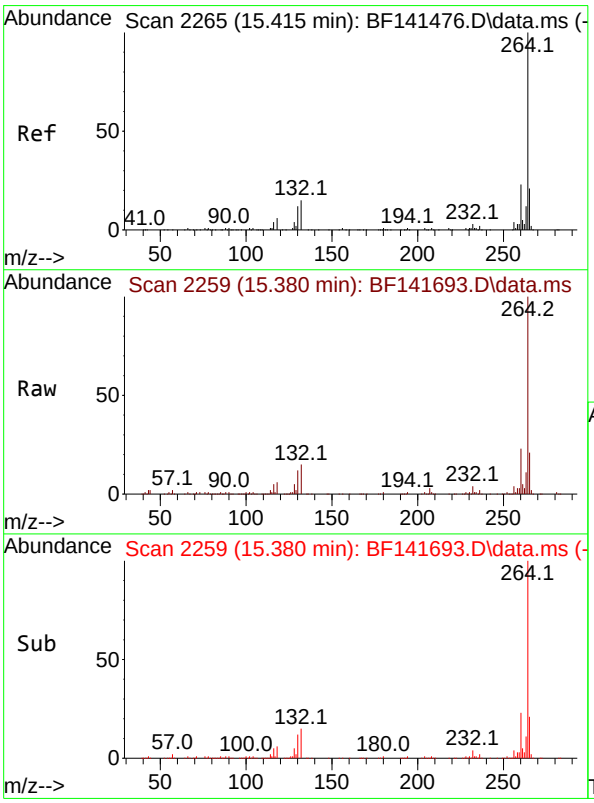
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.8	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

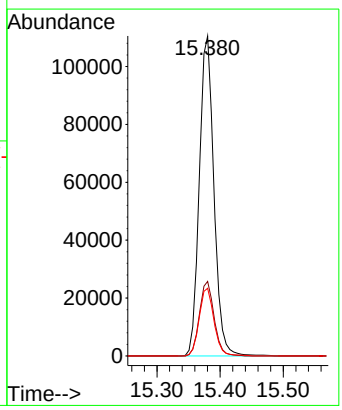
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

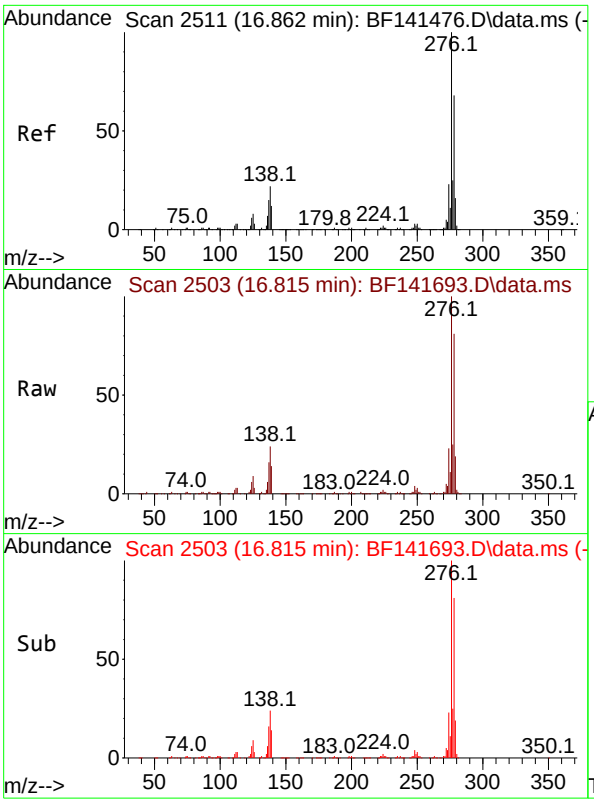


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:264 Resp: 177430

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.4

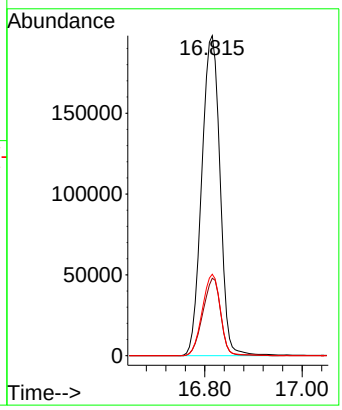




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.902 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:276 Resp: 514199

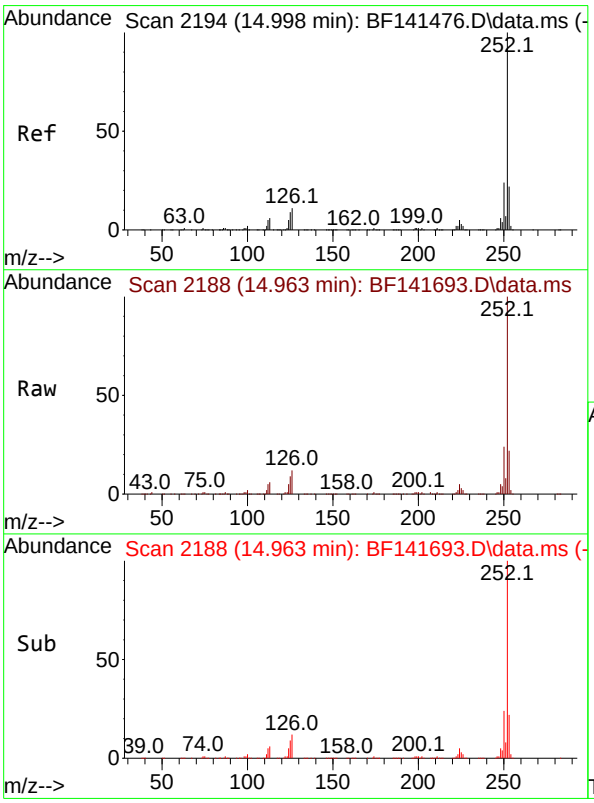
Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.0	27.0
277	25.3	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

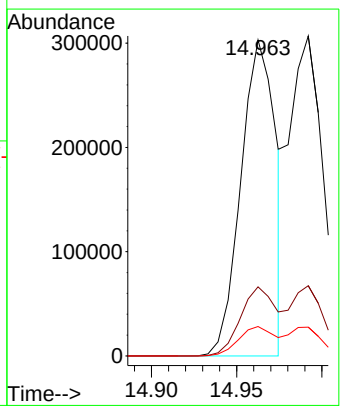
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

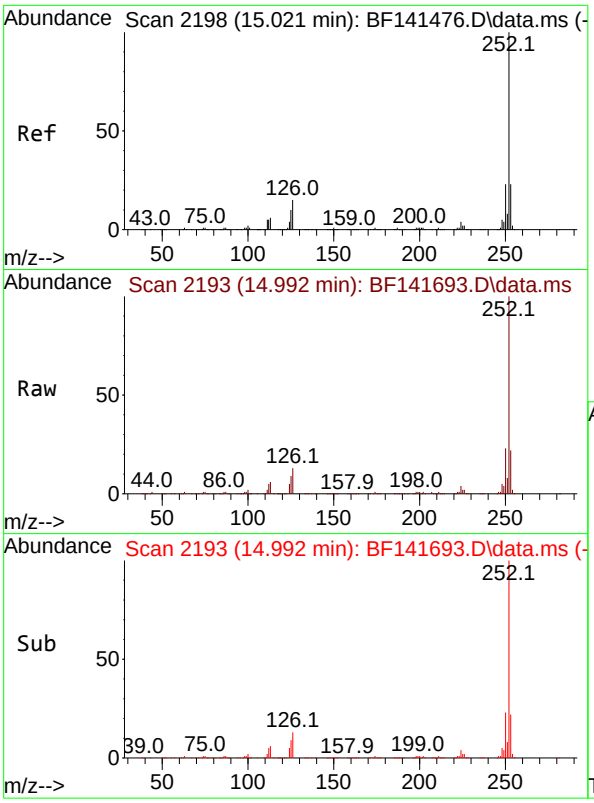


#88
Benzo(b)fluoranthene
Concen: 36.203 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 431312

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.3	7.0	10.6

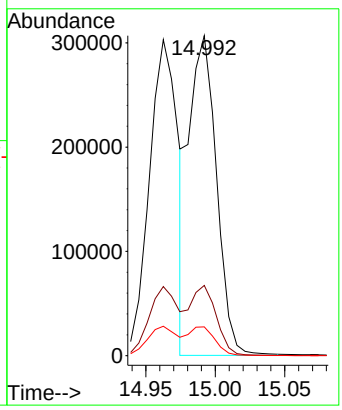




#89
Benzo(k)fluoranthene
Concen: 41.281 ng m
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 41995

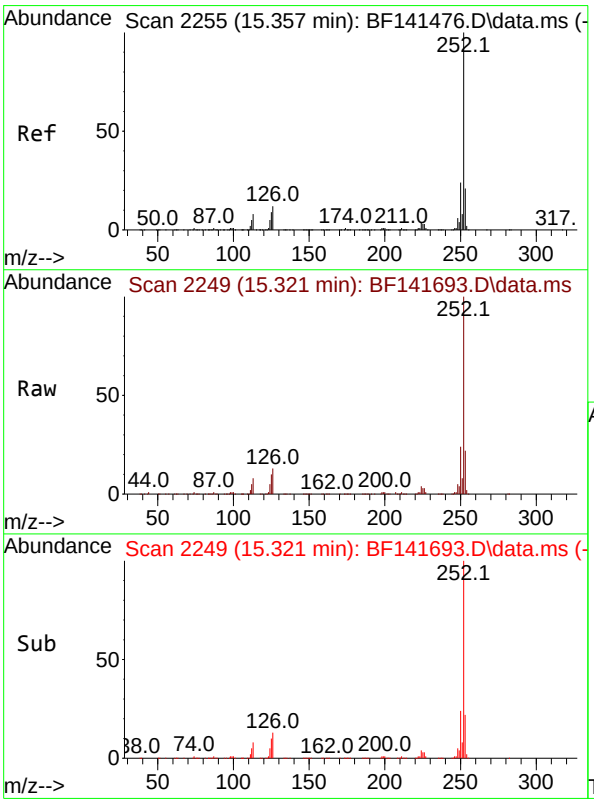
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	9.0	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

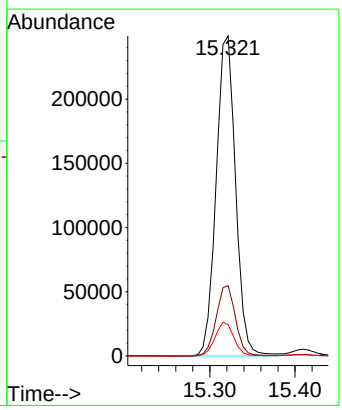
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

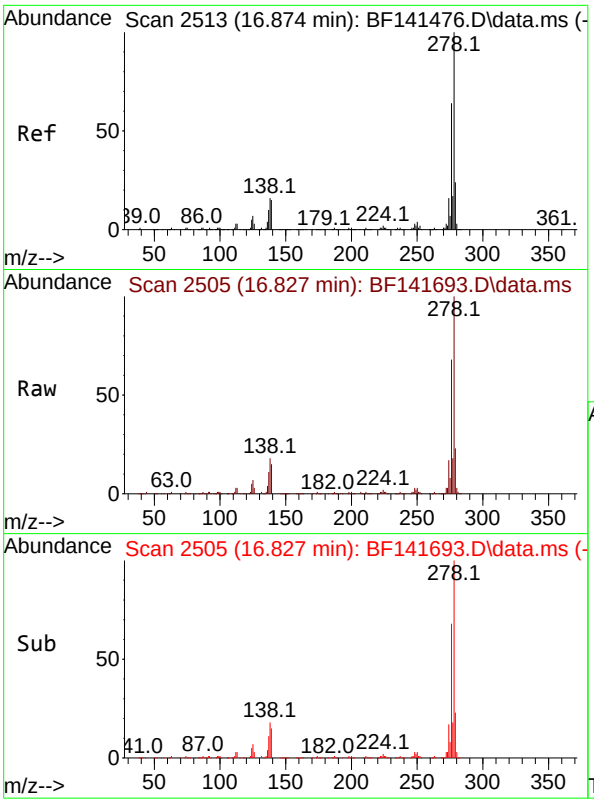


#90
Benzo(a)pyrene
Concen: 40.915 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 394420

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.8	7.4	11.2

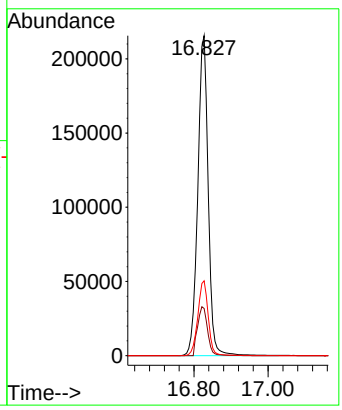




#91
Dibenzo(a,h)anthracene
Concen: 47.231 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:278 Resp: 41956

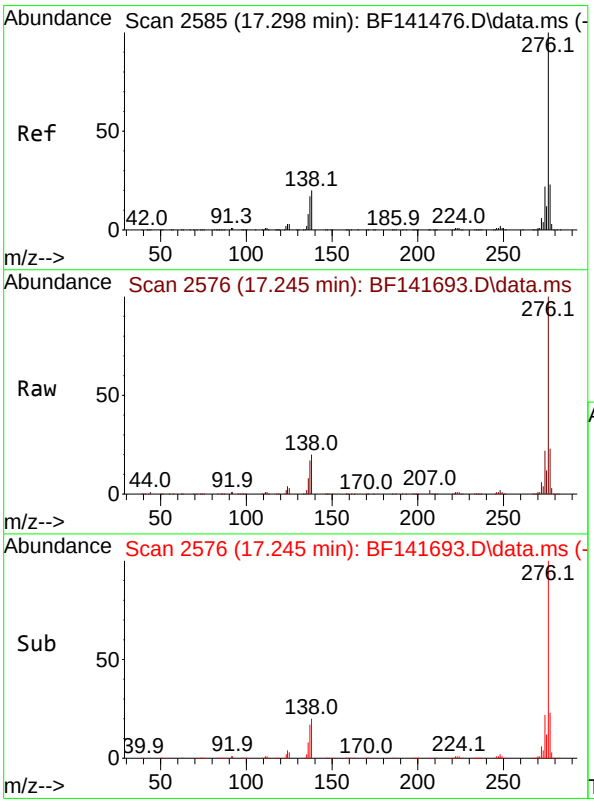
Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.4	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

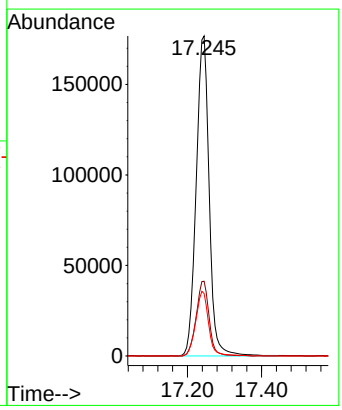
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#92
Benzo(g,h,i)perylene
Concen: 46.156 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:276 Resp: 429072

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	19.5	15.9	23.9



Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 02:06:49 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	94	-0.01
2		1,4-Dioxane	0.513	0.564	-9.9	103	-0.01
3		Pyridine	1.222	1.368	-11.9	102	-0.02
4		n-Nitrosodimethylamine	0.809	0.767	5.2	88	-0.04
5	S	2-Fluorophenol	1.276	1.393	-9.2	102	-0.01
6		Aniline	1.513	1.473	2.6	90	-0.02
7	S	Phenol-d6	1.612	1.669	-3.5	98	-0.02
8		2-Chlorophenol	1.378	1.463	-6.2	100	-0.02
9		Benzaldehyde	0.857	0.820	4.3	94	0.00
10	C	Phenol	1.678	1.743	-3.9	98	-0.02
11		bis(2-Chloroethyl)ether	1.261	1.337	-6.0	100	-0.01
12		1,3-Dichlorobenzene	1.455	1.554	-6.8	102	-0.01
13	C	1,4-Dichlorobenzene	1.487	1.584	-6.5	102	-0.01
14		1,2-Dichlorobenzene	1.380	1.475	-6.9	101	-0.01
15		Benzyl Alcohol	1.236	1.233	0.2	92	-0.01
16		2,2'-oxybis(1-Chloropropane	2.158	2.096	2.9	91	-0.01
17		2-Methylphenol	1.079	1.118	-3.6	98	-0.01
18		Hexachloroethane	0.550	0.588	-6.9	100	-0.01
19	P	n-Nitroso-di-n-propylamine	0.964	0.973	-0.9	95	-0.02
20		3+4-Methylphenols	1.371	1.421	-3.6	98	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.01
22		Acetophenone	0.498	0.505	-1.4	97	-0.02
23	S	Nitrobenzene-d5	0.383	0.384	-0.3	95	-0.02
24		Nitrobenzene	0.374	0.380	-1.6	96	-0.01
25		Isophorone	0.611	0.619	-1.3	96	-0.02
26	C	2-Nitrophenol	0.186	0.198	-6.5	97	-0.01
27		2,4-Dimethylphenol	0.217	0.224	-3.2	95	-0.01
28		bis(2-Chloroethoxy)methane	0.392	0.412	-5.1	99	-0.01
29	C	2,4-Dichlorophenol	0.294	0.307	-4.4	98	-0.01
30		1,2,4-Trichlorobenzene	0.320	0.332	-3.8	100	-0.01
31		Naphthalene	1.041	1.078	-3.6	99	-0.01
32		Benzoic acid	0.226	0.189	16.4	78	-0.04
33		4-Chloroaniline	0.363	0.361	0.6	94	-0.02
34	C	Hexachlorobutadiene	0.192	0.203	-5.7	100	-0.01
35		Caprolactam	0.089	0.088	1.1	90	-0.04
36	C	4-Chloro-3-methylphenol	0.325	0.323	0.6	93	-0.01
37		2-Methylnaphthalene	0.677	0.691	-2.1	98	-0.01
38		1-Methylnaphthalene	0.656	0.661	-0.8	96	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.579	0.618	-6.7	96	-0.01
41	P	Hexachlorocyclopentadiene	0.192	0.142	26.0#	63	-0.02
42	S	2,4,6-Tribromophenol	0.201	0.198	1.5	90	-0.02
43	C	2,4,6-Trichlorophenol	0.374	0.390	-4.3	94	-0.01
44		2,4,5-Trichlorophenol	0.405	0.421	-4.0	93	0.00
45	S	2-Fluorobiphenyl	1.298	1.372	-5.7	98	-0.01
46		1,1'-Biphenyl	1.551	1.641	-5.8	96	-0.02
47		2-Chloronaphthalene	1.147	1.205	-5.1	96	-0.02

Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 02:06:49 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	0.380	1.3	89	-0.02
49		Acenaphthylene	1.705	1.777	-4.2	95	-0.02
50		Dimethylphthalate	1.358	1.429	-5.2	96	-0.02
51		2,6-Dinitrotoluene	0.297	0.309	-4.0	93	-0.02
52	C	Acenaphthene	1.147	1.161	-1.2	92	-0.02
53		3-Nitroaniline	0.319	0.308	3.4	88	-0.02
54	P	2,4-Dinitrophenol	0.176	0.123	30.1#	63	-0.01
55		Dibenzofuran	1.683	1.718	-2.1	93	-0.02
56	P	4-Nitrophenol	0.237	0.181	23.6	66	-0.01
57		2,4-Dinitrotoluene	0.395	0.398	-0.8	91	-0.02
58		Fluorene	1.301	1.330	-2.2	94	-0.02
59		2,3,4,6-Tetrachlorophenol	0.349	0.354	-1.4	92	-0.02
60		Diethylphthalate	1.336	1.371	-2.6	94	-0.02
61		4-Chlorophenyl-phenylether	0.626	0.661	-5.6	96	-0.02
62		4-Nitroaniline	0.324	0.296	8.6	80	-0.03
63		Azobenzene	1.328	1.325	0.2	91	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	85	-0.02
65		4,6-Dinitro-2-methylphenol	0.139	0.124	10.8	74	-0.02
66	c	n-Nitrosodiphenylamine	0.640	0.701	-9.5	95	-0.02
67		4-Bromophenyl-phenylether	0.224	0.248	-10.7	95	-0.02
68		Hexachlorobenzene	0.230	0.251	-9.1	93	-0.02
69		Atrazine	0.192	0.184	4.2	84	-0.02
70	C	Pentachlorophenol	0.147	0.114	22.4#	62	-0.02
71		Phenanthrene	1.101	1.134	-3.0	88	-0.02
72		Anthracene	1.107	1.131	-2.2	88	-0.02
73		Carbazole	0.996	0.966	3.0	83	-0.02
74		Di-n-butylphthalate	1.150	1.206	-4.9	89	-0.02
75	C	Fluoranthene	1.167	1.058	9.3	78	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	71	-0.02
77		Benzidine	0.441	0.425	3.6	57	-0.02
78		Pyrene	1.703	1.869	-9.7	76	-0.02
79	S	Terphenyl-d14	1.185	1.319	-11.3	78	-0.02
80		Butylbenzylphthalate	0.590	0.690	-16.9	80	-0.02
81		Benzo(a)anthracene	1.329	1.386	-4.3	73	-0.02
82		3,3'-Dichlorobenzidine	0.381	0.430	-12.9	81	-0.02
83		Chrysene	1.228	1.304	-6.2	77	-0.03
84		Bis(2-ethylhexyl)phthalate	0.665	0.899	-35.2#	92	-0.02
85	c	Di-n-octyl phthalate	0.949	1.358	-43.1#	99	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	97	-0.04
87		Indeno(1,2,3-cd)pyrene	1.236	1.449	-17.2	109	-0.06
88		Benzo(b)fluoranthene	1.343	1.215	9.5	88	-0.04
89		Benzo(k)fluoranthene	1.147	1.183	-3.1	101	-0.04
90	C	Benzo(a)pyrene	1.087	1.111	-2.2	100	-0.04
91		Dibenzo(a,h)anthracene	1.001	1.182	-18.1	109	-0.06
92		Benzo(g,h,i)perylene	1.048	1.209	-15.4	107	-0.07

Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 02:06:49 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 = 2

Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 02:06:49 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	94	-0.01
2		1,4-Dioxane	40.000	43.909	-9.8	103	-0.01
3		Pyridine	40.000	44.775	-11.9	102	-0.02
4		n-Nitrosodimethylamine	40.000	37.930	5.2	88	-0.04
5	S	2-Fluorophenol	80.000	87.352	-9.2	102	-0.01
6		Aniline	40.000	38.961	2.6	90	-0.02
7	S	Phenol-d6	80.000	82.811	-3.5	98	-0.02
8		2-Chlorophenol	40.000	42.440	-6.1	100	-0.02
9		Benzaldehyde	40.000	38.293	4.3	94	0.00
10	C	Phenol	40.000	41.555	-3.9	98	-0.02
11		bis(2-Chloroethyl)ether	40.000	42.419	-6.0	100	-0.01
12		1,3-Dichlorobenzene	40.000	42.715	-6.8	102	-0.01
13	C	1,4-Dichlorobenzene	40.000	42.618	-6.5	102	-0.01
14		1,2-Dichlorobenzene	40.000	42.745	-6.9	101	-0.01
15		Benzyl Alcohol	40.000	39.891	0.3	92	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.846	2.9	91	-0.01
17		2-Methylphenol	40.000	41.452	-3.6	98	-0.01
18		Hexachloroethane	40.000	42.739	-6.8	100	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	40.358	-0.9	95	-0.02
20		3+4-Methylphenols	40.000	41.476	-3.7	98	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	95	-0.01
22		Acetophenone	40.000	40.633	-1.6	97	-0.02
23	S	Nitrobenzene-d5	80.000	80.041	-0.1	95	-0.02
24		Nitrobenzene	40.000	40.641	-1.6	96	-0.01
25		Isophorone	40.000	40.509	-1.3	96	-0.02
26	C	2-Nitrophenol	40.000	42.470	-6.2	97	-0.01
27		2,4-Dimethylphenol	40.000	41.204	-3.0	95	-0.01
28		bis(2-Chloroethoxy)methane	40.000	42.025	-5.1	99	-0.01
29	C	2,4-Dichlorophenol	40.000	41.802	-4.5	98	-0.01
30		1,2,4-Trichlorobenzene	40.000	41.566	-3.9	100	-0.01
31		Naphthalene	40.000	41.404	-3.5	99	-0.01
32		Benzoic acid	40.000	33.475	16.3	78	-0.04
33		4-Chloroaniline	40.000	39.725	0.7	94	-0.02
34	C	Hexachlorobutadiene	40.000	42.366	-5.9	100	-0.01
35		Caprolactam	40.000	39.370	1.6	90	-0.04
36	C	4-Chloro-3-methylphenol	40.000	39.669	0.8	93	-0.01
37		2-Methylnaphthalene	40.000	40.816	-2.0	98	-0.01
38		1-Methylnaphthalene	40.000	40.318	-0.8	96	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	42.741	-6.9	96	-0.01
41	P	Hexachlorocyclopentadiene	40.000	29.483	26.3#	63	-0.02
42	S	2,4,6-Tribromophenol	80.000	78.766	1.5	90	-0.02
43	C	2,4,6-Trichlorophenol	40.000	41.676	-4.2	94	-0.01
44		2,4,5-Trichlorophenol	40.000	41.546	-3.9	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.575	-5.7	98	-0.01
46		1,1'-Biphenyl	40.000	42.323	-5.8	96	-0.02
47		2-Chloronaphthalene	40.000	42.031	-5.1	96	-0.02

Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 02:06:49 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	39.545	1.1	89	-0.02
49		Acenaphthylene	40.000	41.687	-4.2	95	-0.02
50		Dimethylphthalate	40.000	42.096	-5.2	96	-0.02
51		2,6-Dinitrotoluene	40.000	41.673	-4.2	93	-0.02
52	C	Acenaphthene	40.000	40.498	-1.2	92	-0.02
53		3-Nitroaniline	40.000	38.593	3.5	88	-0.02
54	P	2,4-Dinitrophenol	40.000	27.871	30.3#	63	-0.01
55		Dibenzofuran	40.000	40.838	-2.1	93	-0.02
56	P	4-Nitrophenol	40.000	30.582	23.5	66	-0.01
57		2,4-Dinitrotoluene	40.000	40.286	-0.7	91	-0.02
58		Fluorene	40.000	40.892	-2.2	94	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	40.567	-1.4	92	-0.02
60		Diethylphthalate	40.000	41.053	-2.6	94	-0.02
61		4-Chlorophenyl-phenylether	40.000	42.206	-5.5	96	-0.02
62		4-Nitroaniline	40.000	36.557	8.6	80	-0.03
63		Azobenzene	40.000	39.911	0.2	91	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	85	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	35.577	11.1	74	-0.02
66	c	n-Nitrosodiphenylamine	40.000	43.812	-9.5	95	-0.02
67		4-Bromophenyl-phenylether	40.000	44.410	-11.0	95	-0.02
68		Hexachlorobenzene	40.000	43.534	-8.8	93	-0.02
69		Atrazine	40.000	38.322	4.2	84	-0.02
70	C	Pentachlorophenol	40.000	30.952	22.6#	62	-0.02
71		Phenanthrene	40.000	41.219	-3.0	88	-0.02
72		Anthracene	40.000	40.893	-2.2	88	-0.02
73		Carbazole	40.000	38.799	3.0	83	-0.02
74		Di-n-butylphthalate	40.000	41.961	-4.9	89	-0.02
75	C	Fluoranthene	40.000	36.275	9.3	78	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	71	-0.02
77		Benzidine	40.000	38.498	3.8	57	-0.02
78		Pyrene	40.000	43.915	-9.8	76	-0.02
79	S	Terphenyl-d14	80.000	89.083	-11.4	78	-0.02
80		Butylbenzylphthalate	40.000	46.775	-16.9	80	-0.02
81		Benzo(a)anthracene	40.000	41.686	-4.2	73	-0.02
82		3,3'-Dichlorobenzidine	40.000	45.215	-13.0	81	-0.02
83		Chrysene	40.000	42.478	-6.2	77	-0.03
84		Bis(2-ethylhexyl)phthalate	40.000	54.076	-35.2#	92	-0.02
85	c	Di-n-octyl phthalate	40.000	57.257	-43.1#	99	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	97	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	46.902	-17.3	109	-0.06
88		Benzo(b)fluoranthene	40.000	36.203	9.5	88	-0.04
89		Benzo(k)fluoranthene	40.000	41.281	-3.2	101	-0.04
90	C	Benzo(a)pyrene	40.000	40.915	-2.3	100	-0.04
91		Dibenzo(a,h)anthracene	40.000	47.231	-18.1	109	-0.06
92		Benzo(g,h,i)perylene	40.000	46.156	-15.4	107	-0.07

Sample Results: **BF141693.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 02:06:49 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 = 2

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: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG No.: Q1383

Instrument ID: BNA_F Calibration Date/Time: 02/20/2025 10:04

Lab File ID: BF141695.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	1.380		8.1	
Phenol-d6	1.612	1.662		3.1	
Nitrobenzene-d5	0.383	0.389		1.6	
Naphthalene	1.041	1.079		3.7	
2-Methylnaphthalene	0.677	0.688		1.6	
2-Fluorobiphenyl	1.298	1.374		5.9	
Acenaphthylene	1.705	1.774		4.0	
Acenaphthene	1.147	1.173		2.3	20.0
Fluorene	1.301	1.309		0.6	
2,4,6-Tribromophenol	0.201	0.194		-3.5	
Phenanthrene	1.101	1.150		4.4	
Anthracene	1.107	1.149		3.8	
Fluoranthene	1.167	1.123		-3.8	20.0
Pyrene	1.703	1.757		3.2	
Terphenyl-d14	1.185	1.224		3.3	
Benzo(a)anthracene	1.329	1.379		3.8	
Chrysene	1.228	1.270		3.4	
Benzo(b)fluoranthene	1.343	1.279		-4.8	
Benzo(k)fluoranthene	1.147	1.185		3.3	
Benzo(a)pyrene	1.087	1.123		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.365		10.4	
Dibenzo(a,h)anthracene	1.001	1.109		10.8	
Benzo(g,h,i)perylene	1.048	1.149		9.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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	6.781	152	80069	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	307804	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	159807	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	248423	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	161001	20.000	ng	-0.02
86) Perylene-d12	15.380	264	169222	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	441858	86.515	ng	-0.01
7) Phenol-d6	6.422	99	532145	82.437	ng	-0.02
23) Nitrobenzene-d5	7.345	82	478870	81.146	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	123790	77.112	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	877999	84.645	ng	-0.01
79) Terphenyl-d14	12.880	244	788158	82.642	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	89846	43.709	ng	97
3) Pyridine	3.199	79	220100	44.997	ng	95
4) n-Nitrosodimethylamine	3.157	42	124552	38.455	ng	90
6) Aniline	6.445	93	243944	40.286	ng	89
8) 2-Chlorophenol	6.569	128	229091	41.512	ng	98
9) Benzaldehyde	6.334	77	115971	33.808	ng	98
10) Phenol	6.440	94	278069	41.388	ng	98
11) bis(2-Chloroethyl)ether	6.522	93	210711	41.755	ng	98
12) 1,3-Dichlorobenzene	6.722	146	243754	41.838	ng	98
13) 1,4-Dichlorobenzene	6.798	146	249777	41.961	ng	99
14) 1,2-Dichlorobenzene	6.951	146	231533	41.908	ng	99
15) Benzyl Alcohol	6.928	79	195453	39.484	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.057	45	335285	38.813	ng	84
17) 2-Methylphenol	7.045	107	175745	40.694	ng	99
18) Hexachloroethane	7.292	117	91492	41.531	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	152340	39.454	ng	94
20) 3+4-Methylphenols	7.198	107	226917	41.345	ng	92
22) Acetophenone	7.192	105	315359	41.187	ng	96
24) Nitrobenzene	7.369	77	234613	40.770	ng	97
25) Isophorone	7.604	82	381275	40.520	ng	98
26) 2-Nitrophenol	7.681	139	121854	42.562	ng	96
27) 2,4-Dimethylphenol	7.722	122	141737	42.378	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	252167	41.822	ng	99
29) 2,4-Dichlorophenol	7.928	162	190446	42.143	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	208016	42.270	ng	99
31) Naphthalene	8.087	128	664347	41.464	ng	100
32) Benzoic acid	7.851	122	113529	32.679	ng	97
33) 4-Chloroaniline	8.139	127	231527	41.388	ng	98
34) Hexachlorobutadiene	8.198	225	124264	42.062	ng	99
35) Caprolactam	8.504	113	51705	37.579	ng	93
36) 4-Chloro-3-methylphenol	8.622	107	199883	39.930	ng	99
37) 2-Methylnaphthalene	8.775	142	423811	40.648	ng	100
38) 1-Methylnaphthalene	8.875	142	406073	40.213	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	200663	43.401	ng	99
41) Hexachlorocyclopentadiene	8.928	237	81864	53.235	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	125337	41.944	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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

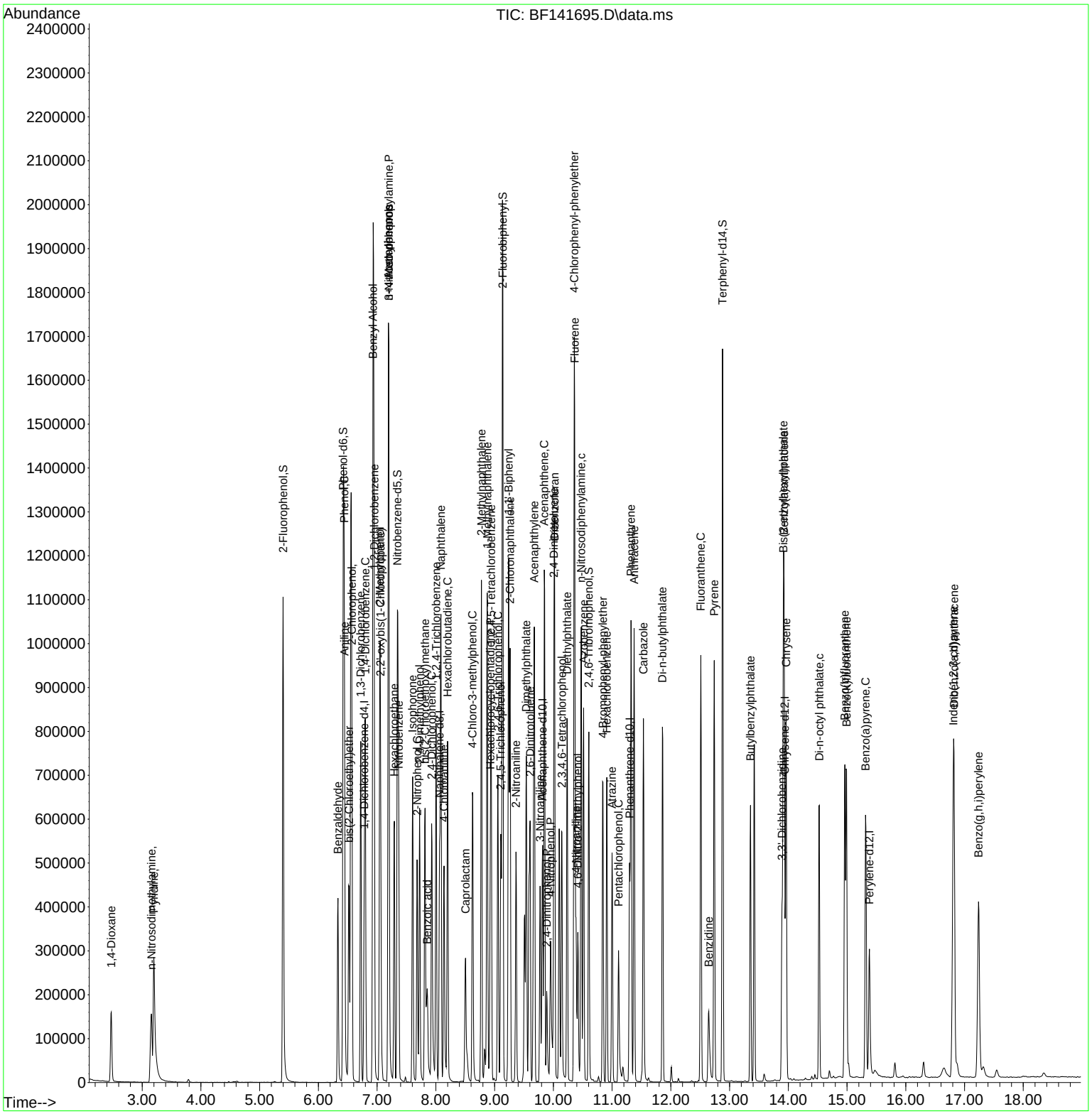
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	133749	41.300	ng	97
46) 1,1'-Biphenyl	9.239	154	531979	42.938	ng	99
47) 2-Chloronaphthalene	9.263	162	386311	42.166	ng	99
48) 2-Nitroaniline	9.363	65	121965	39.668	ng	97
49) Acenaphthylene	9.675	152	566961	41.606	ng	100
50) Dimethylphthalate	9.539	163	450650	41.539	ng	100
51) 2,6-Dinitrotoluene	9.604	165	97700	41.195	ng	98
52) Acenaphthene	9.845	154	374923	40.925	ng	99
53) 3-Nitroaniline	9.775	138	97555	38.218	ng	95
54) 2,4-Dinitrophenol	9.886	184	48096	34.122	ng	96
55) Dibenzofuran	10.022	168	546331	40.628	ng	98
56) 4-Nitrophenol	9.951	139	88489	46.699	ng	92
57) 2,4-Dinitrotoluene	10.010	165	125002	39.592	ng	99
58) Fluorene	10.363	166	418507	40.252	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	111284	39.913	ng	95
60) Diethylphthalate	10.233	149	431632	40.438	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	208990	41.781	ng	96
62) 4-Nitroaniline	10.386	138	91141	35.163	ng	94
63) Azobenzene	10.516	77	418541	39.443	ng	95
65) 4,6-Dinitro-2-methylph...	10.416	198	65911	38.194	ng	96
66) n-Nitrosodiphenylamine	10.475	169	352830	44.369	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	123058	44.322	ng	99
68) Hexachlorobenzene	10.910	284	126817	44.357	ng	99
69) Atrazine	10.998	200	88654	37.161	ng	99
70) Pentachlorophenol	11.110	266	61677	33.738	ng	99
71) Phenanthrene	11.322	178	571312	41.779	ng	100
72) Anthracene	11.375	178	570964	41.536	ng	100
73) Carbazole	11.533	167	493402	39.891	ng	99
74) Di-n-butylphthalate	11.857	149	593817	41.579	ng	100
75) Fluoranthene	12.510	202	558059	38.493	ng	100
77) Benzidine	12.645	184	140231	39.493	ng	99
78) Pyrene	12.739	202	565805	41.283	ng	99
80) Butylbenzylphthalate	13.357	149	201578	42.463	ng	97
81) Benzo(a)anthracene	13.927	228	444019	41.488	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	127093	41.456	ng	97
83) Chrysene	13.963	228	408984	41.387	ng	99
84) Bis(2-ethylhexyl)phtha...	13.916	149	260689	48.690	ng	99
85) Di-n-octyl phthalate	14.527	149	417202	54.621	ng	98
87) Indeno(1,2,3-cd)pyrene	16.810	276	462093	44.194	ng	99
88) Benzo(b)fluoranthene	14.963	252	432876	38.097	ng	99
89) Benzo(k)fluoranthene	14.992	252	401122	41.342	ng	99
90) Benzo(a)pyrene	15.315	252	380158	41.348	ng	99
91) Dibenzo(a,h)anthracene	16.821	278	375366	44.305	ng	99
92) Benzo(g,h,i)perylene	17.239	276	388751	43.847	ng	99

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

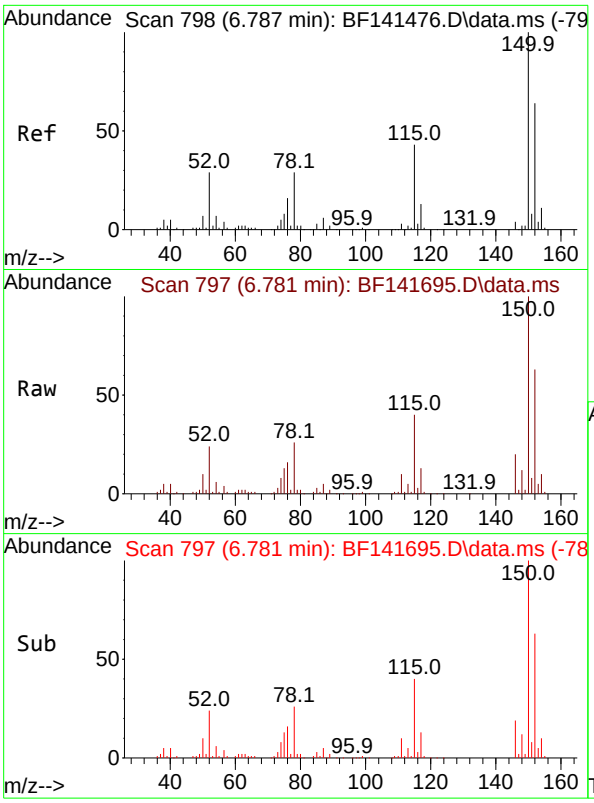
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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



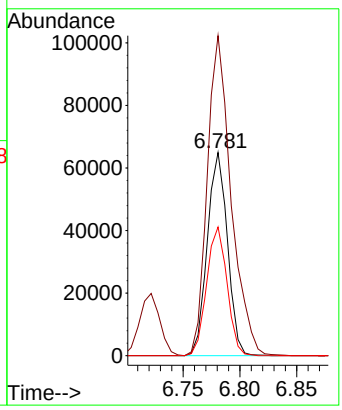
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

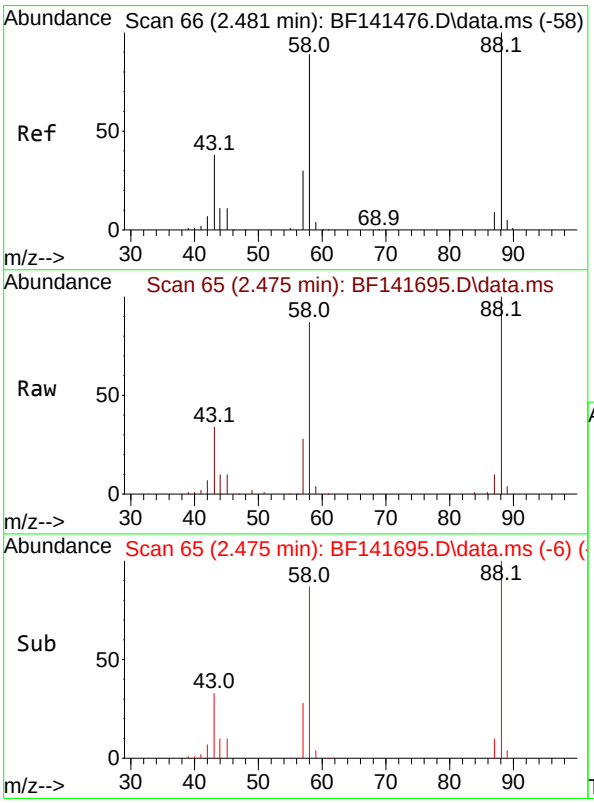


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:152 Resp: 80069

Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.0	187.4
115	63.3	53.6	80.4

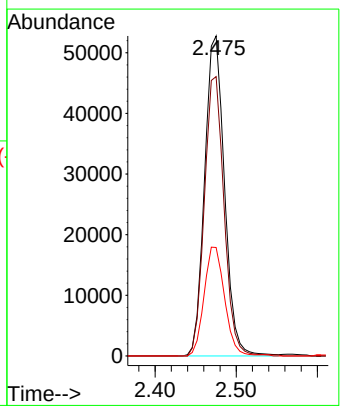


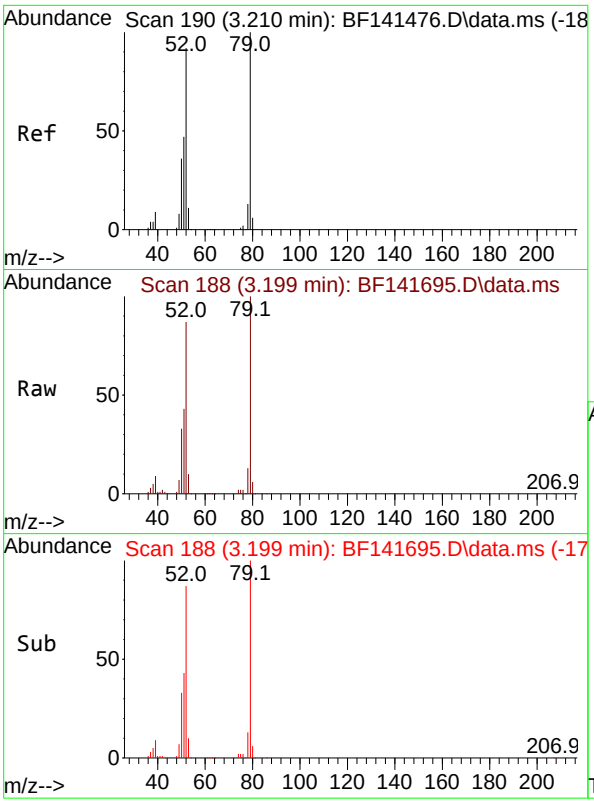


#2
1,4-Dioxane
Concen: 43.709 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 88 Resp: 89846

Ion	Ratio	Lower	Upper
88	100		
58	86.3	71.1	106.7
43	35.1	30.6	46.0



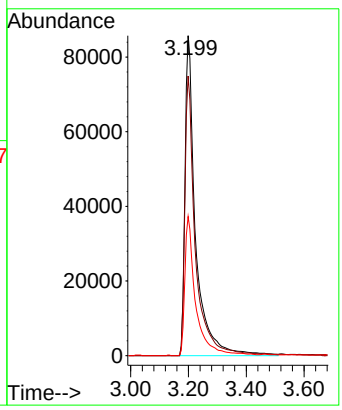


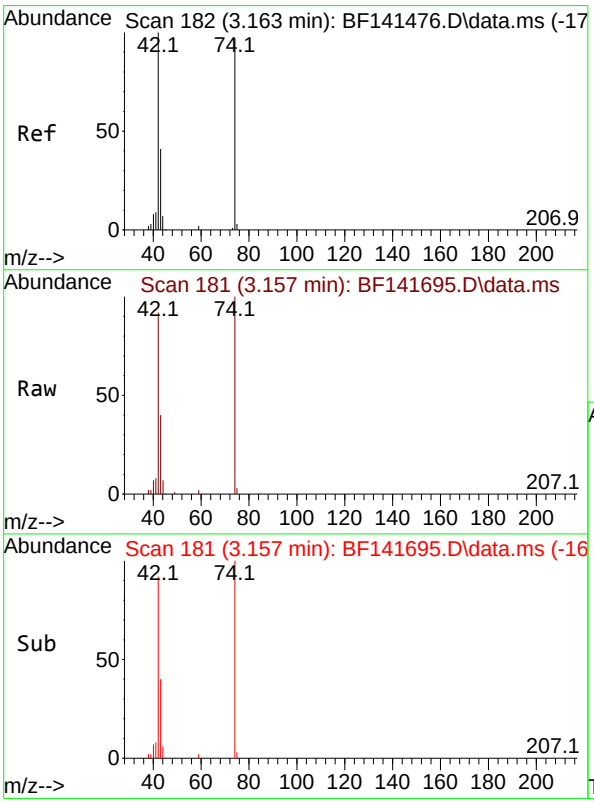
#3
Pyridine
Concen: 44.997 ng
RT: 3.199 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 220100

Ion	Ratio	Lower	Upper
79	100		
52	87.4	73.7	110.5
51	43.5	37.5	56.3

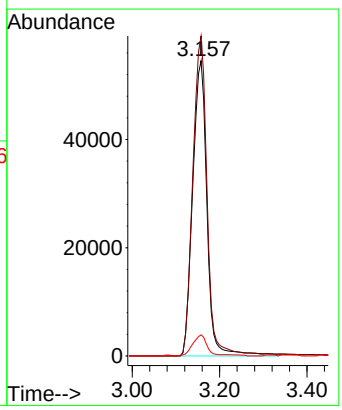


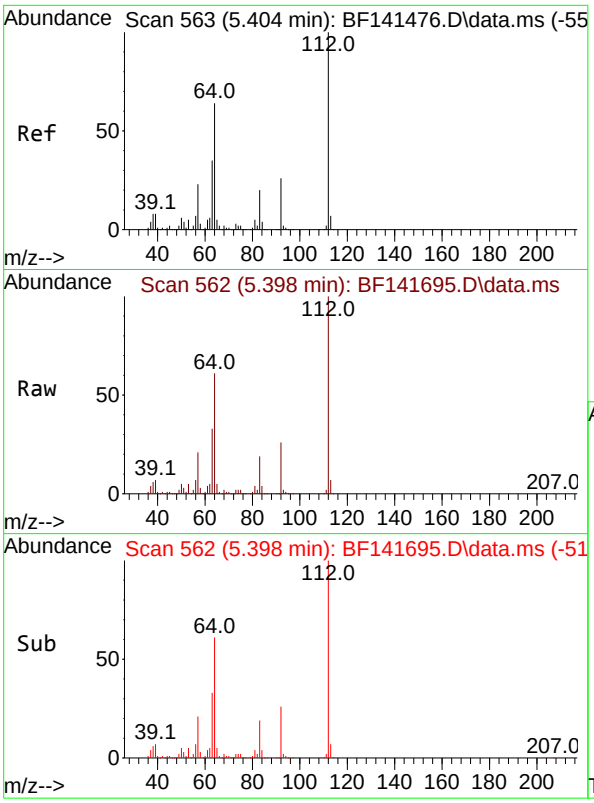


#4
n-Nitrosodimethylamine
Concen: 38.455 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 42 Resp: 124552

Ion	Ratio	Lower	Upper
42	100		
74	108.4	78.0	117.0
44	7.2	5.4	8.2



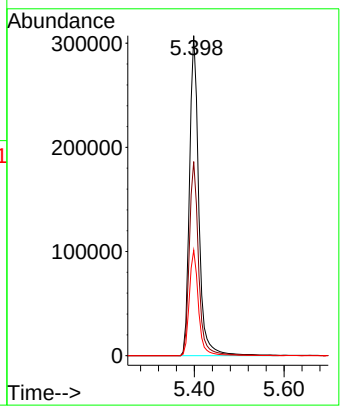


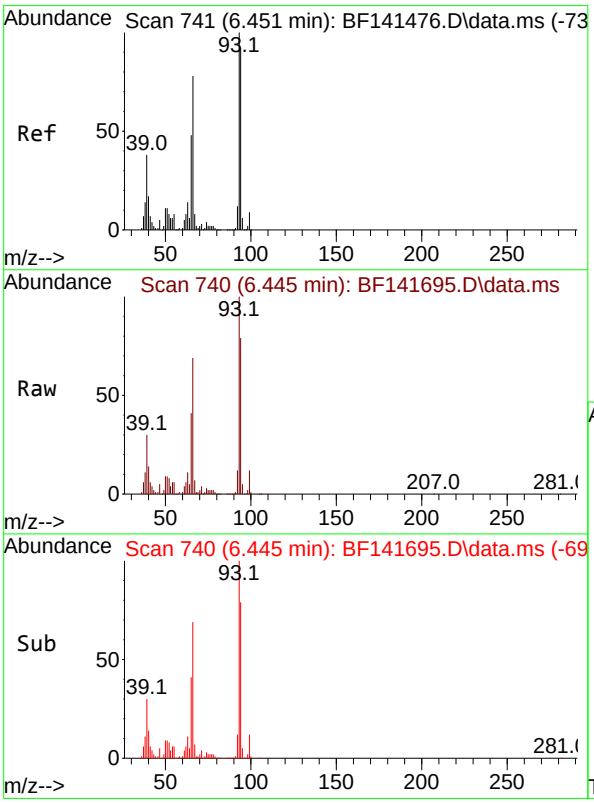
#5
2-Fluorophenol
Concen: 86.515 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 441858

Ion	Ratio	Lower	Upper
112	100		
64	60.6	51.1	76.7
63	32.9	28.4	42.6

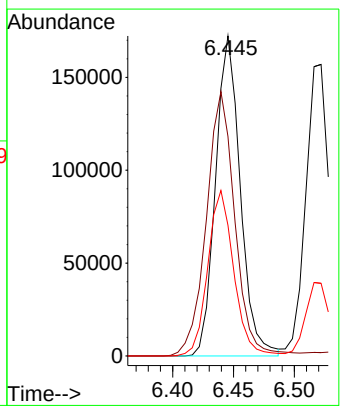


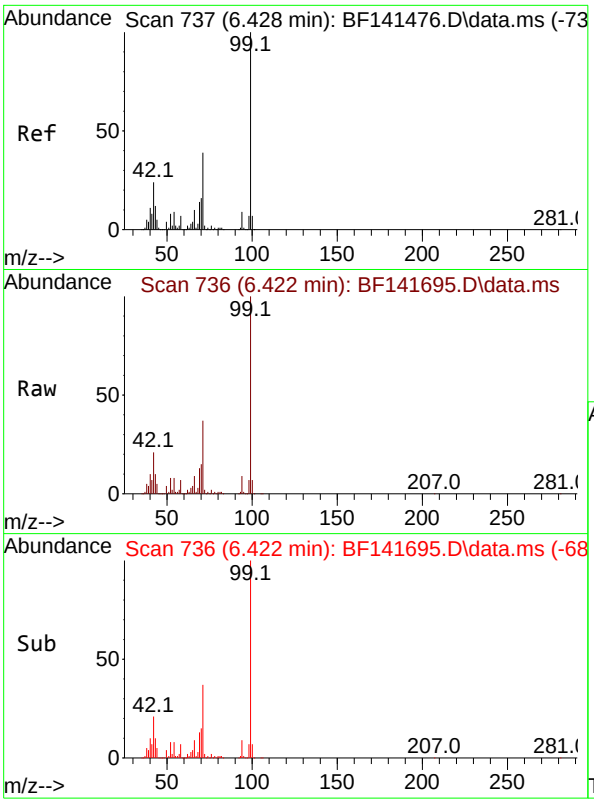


#6
Aniline
Concen: 40.286 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 93 Resp: 243944

Ion	Ratio	Lower	Upper
93	100		
66	68.6	62.6	94.0
65	40.9	38.3	57.5



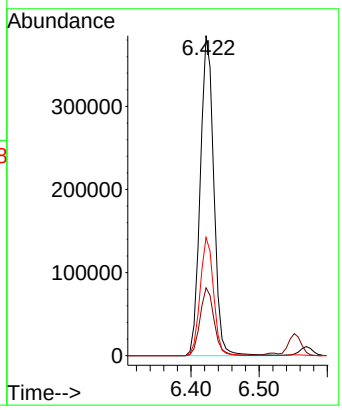


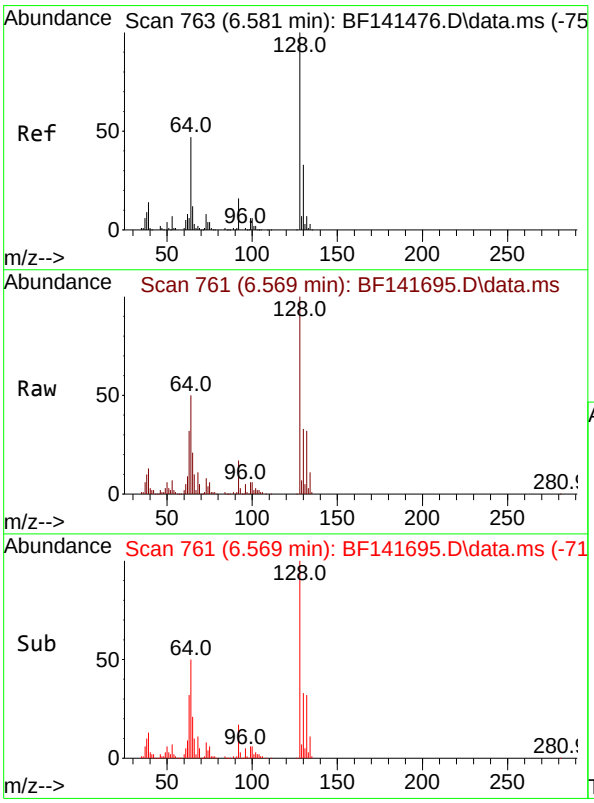
#7
Phenol-d6
Concen: 82.437 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 532145

Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.1	28.7
71	36.9	31.1	46.7

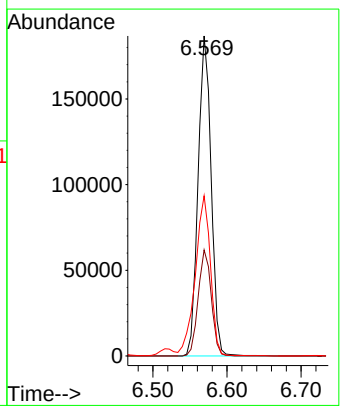


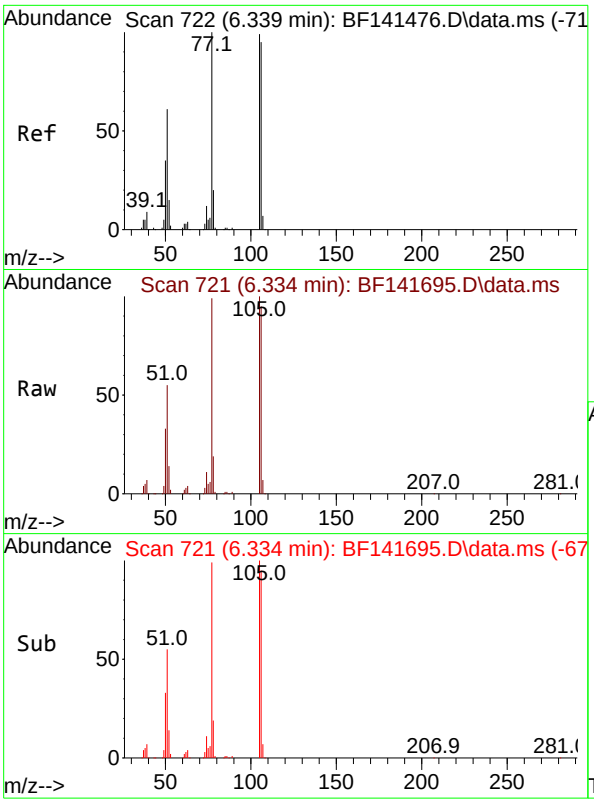


#8
2-Chlorophenol
Concen: 41.512 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:128 Resp: 229091

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.7	52.7
64	50.0	28.3	68.3



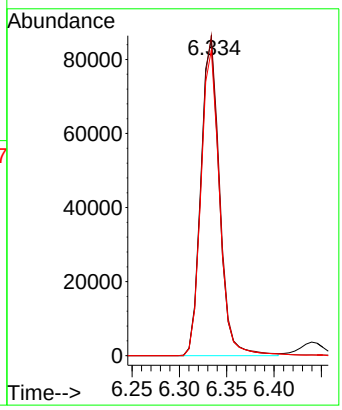


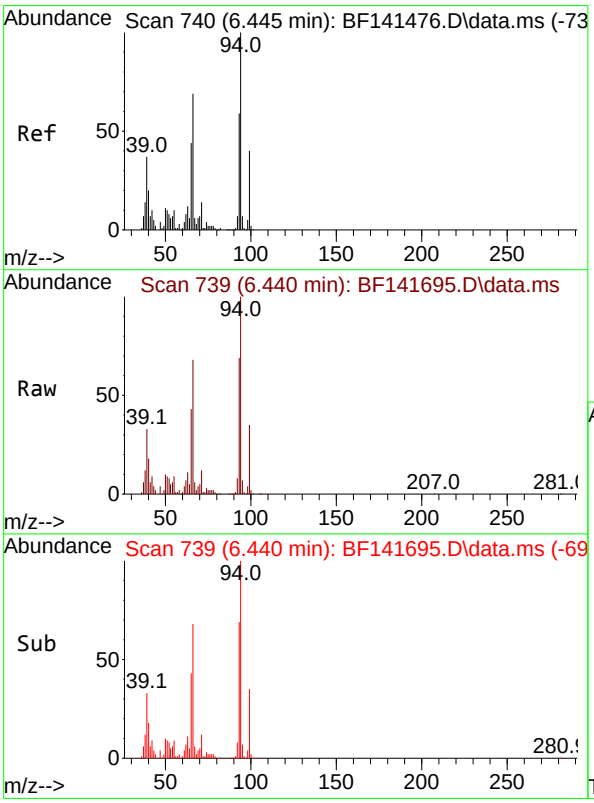
#9
Benzaldehyde
Concen: 33.808 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 115971

Ion	Ratio	Lower	Upper
77	100		
105	101.3	79.4	119.4
106	96.7	75.1	115.1

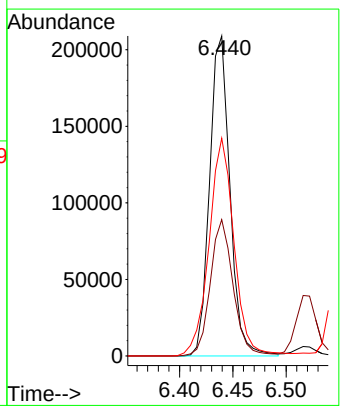


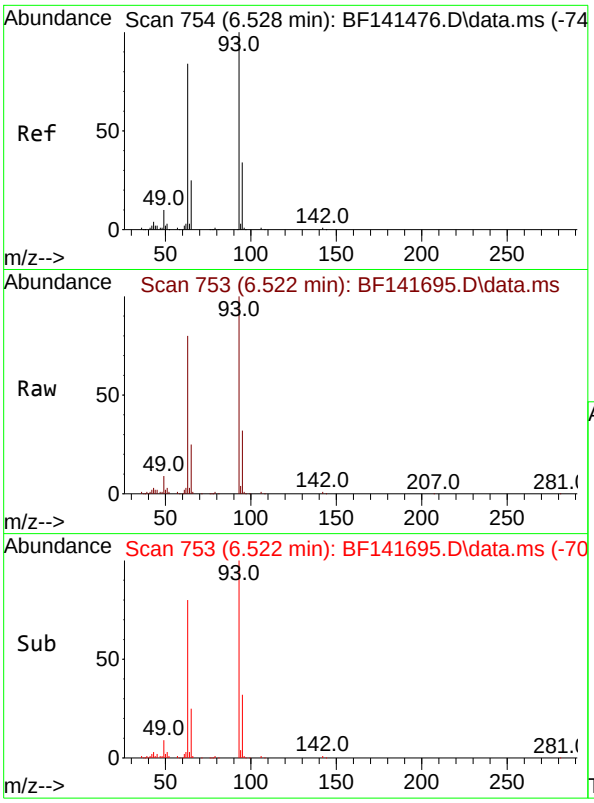


#10
Phenol
Concen: 41.388 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 94 Resp: 278069

Ion	Ratio	Lower	Upper
94	100		
65	42.6	23.7	63.7
66	68.1	49.3	89.3



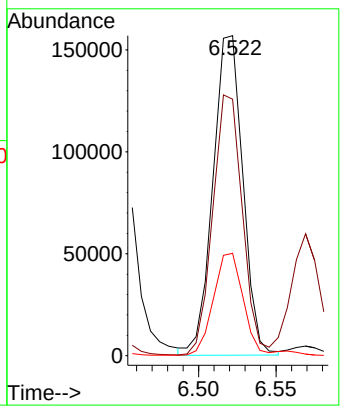


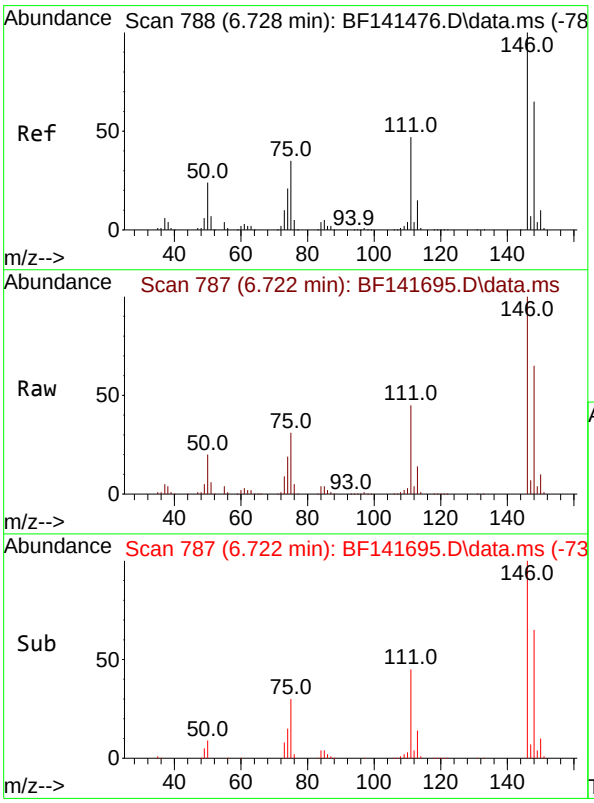
#11
bis(2-Chloroethyl)ether
Concen: 41.755 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 210711

Ion	Ratio	Lower	Upper
93	100		
63	80.1	62.0	102.0
95	32.0	12.6	52.6

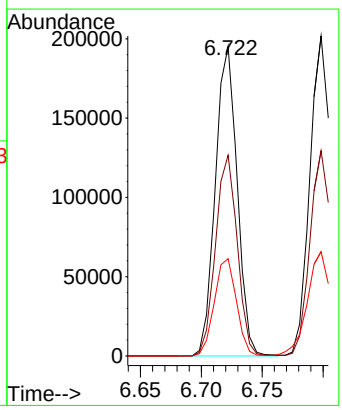


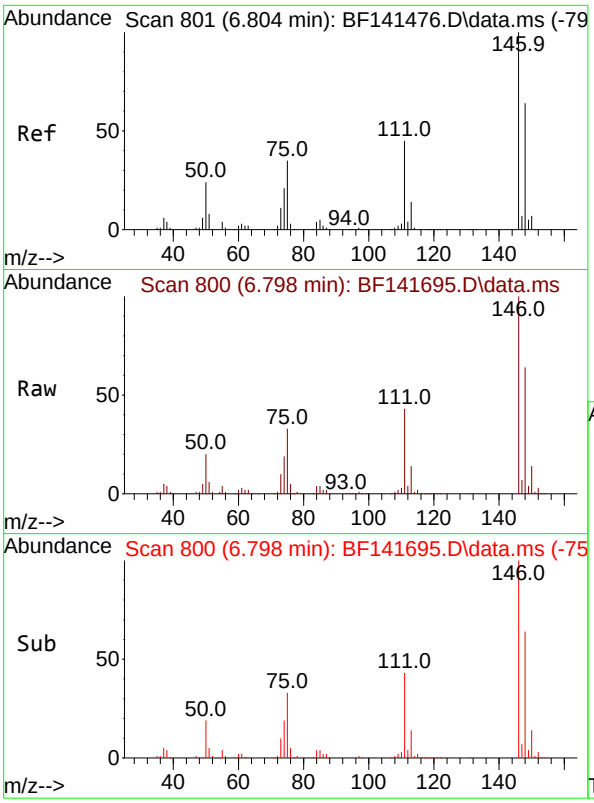


#12
1,3-Dichlorobenzene
Concen: 41.838 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:146 Resp: 243754

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	31.4	28.2	42.2



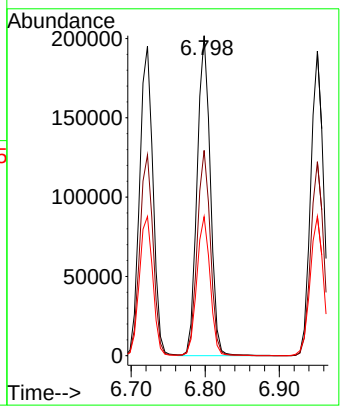


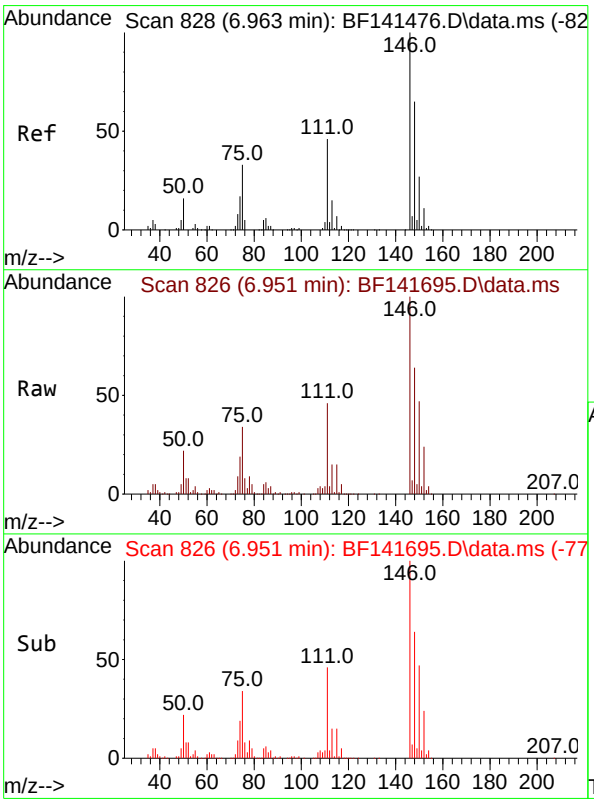
#13
1,4-Dichlorobenzene
Concen: 41.961 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 249777

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	43.5	35.9	53.9

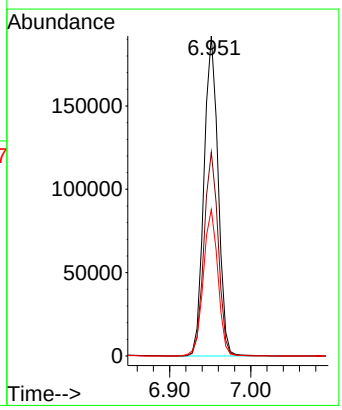


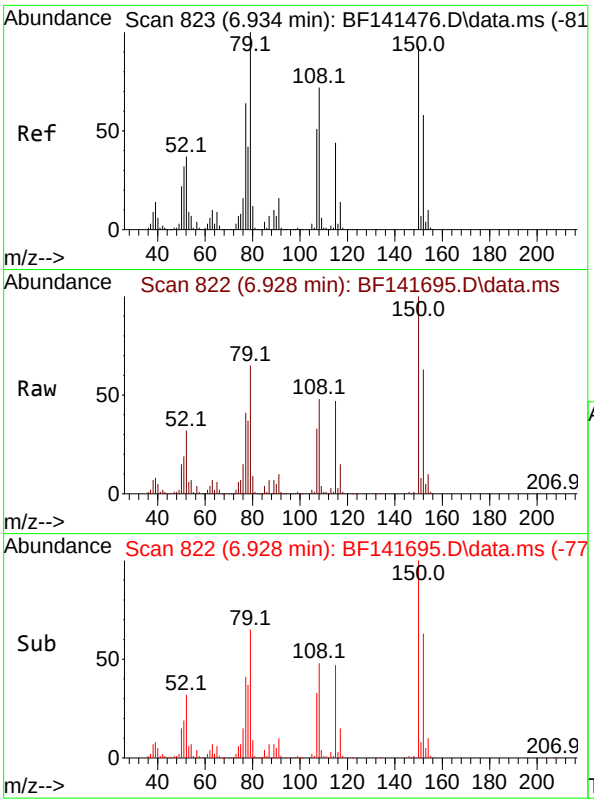


#14
1,2-Dichlorobenzene
Concen: 41.908 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:146 Resp: 231533

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.6
111	45.8	37.0	55.4



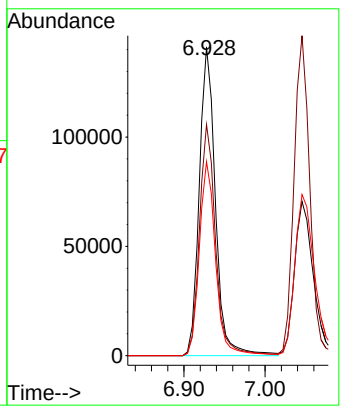


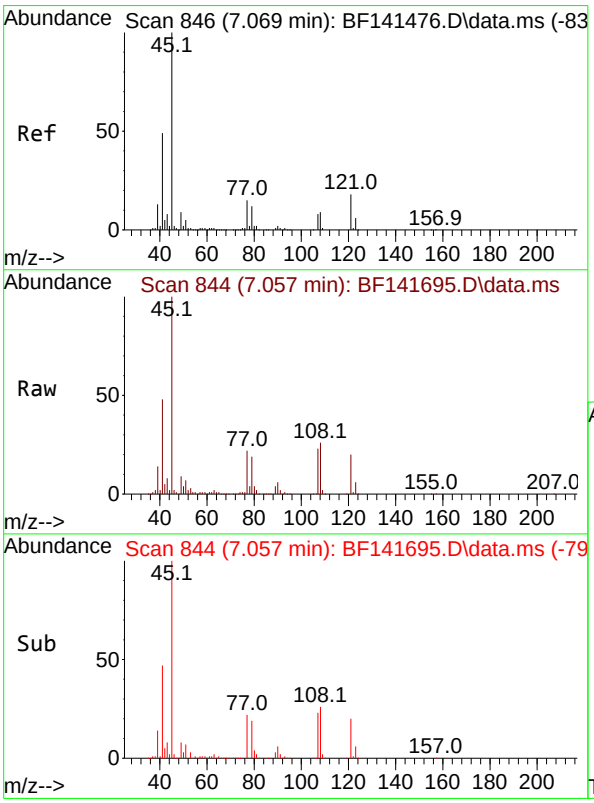
#15
Benzyl Alcohol
Concen: 39.484 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 195453

Ion	Ratio	Lower	Upper
79	100		
108	74.9	57.4	86.2
77	62.8	50.9	76.3

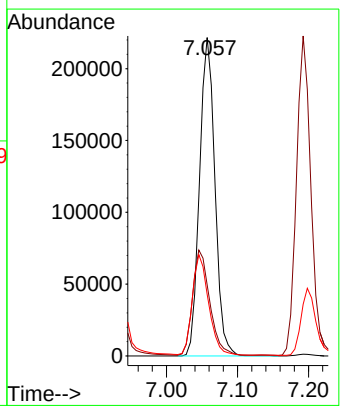


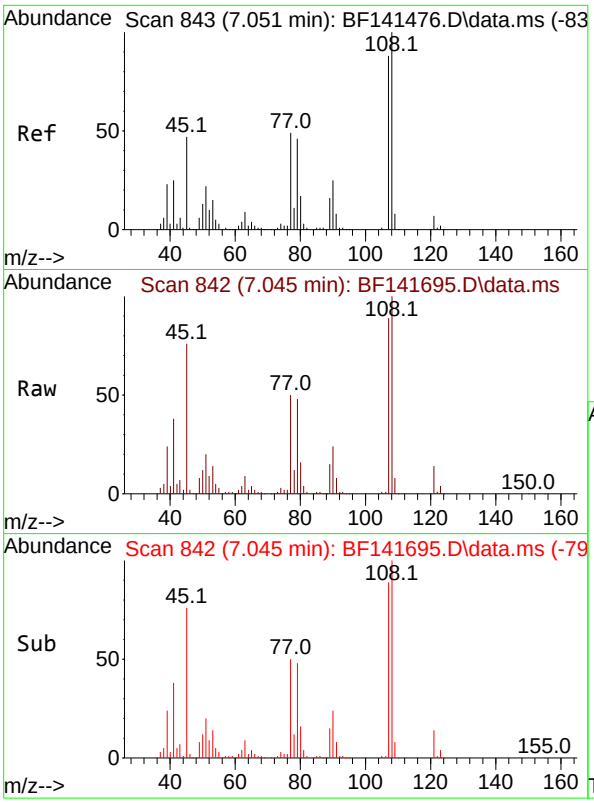


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.813 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 45 Resp: 335285

Ion	Ratio	Lower	Upper
45	100		
77	22.3	0.0	35.8
79	19.4	0.0	32.7



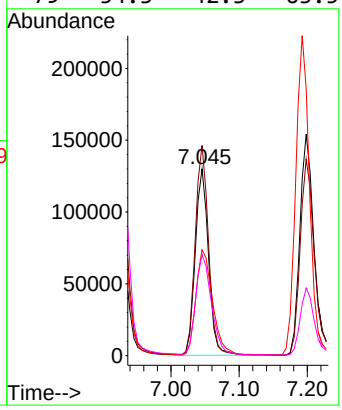


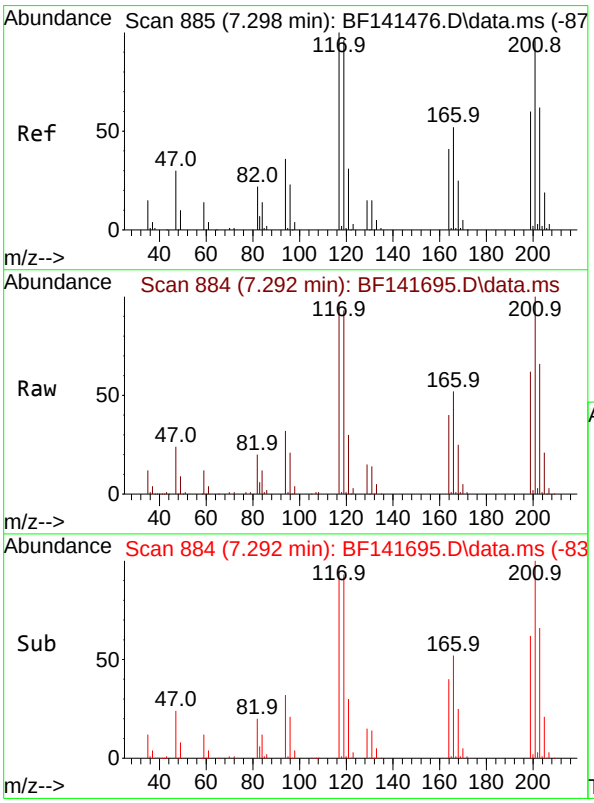
#17
2-Methylphenol
Concen: 40.694 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 175745

Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.6	136.0
77	56.7	44.4	66.6
79	54.3	42.3	63.5

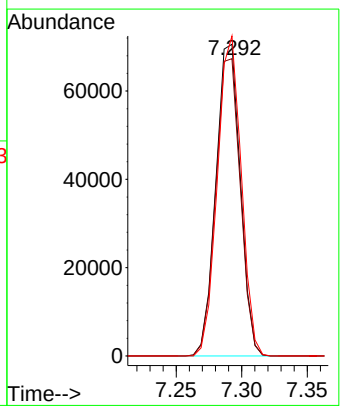


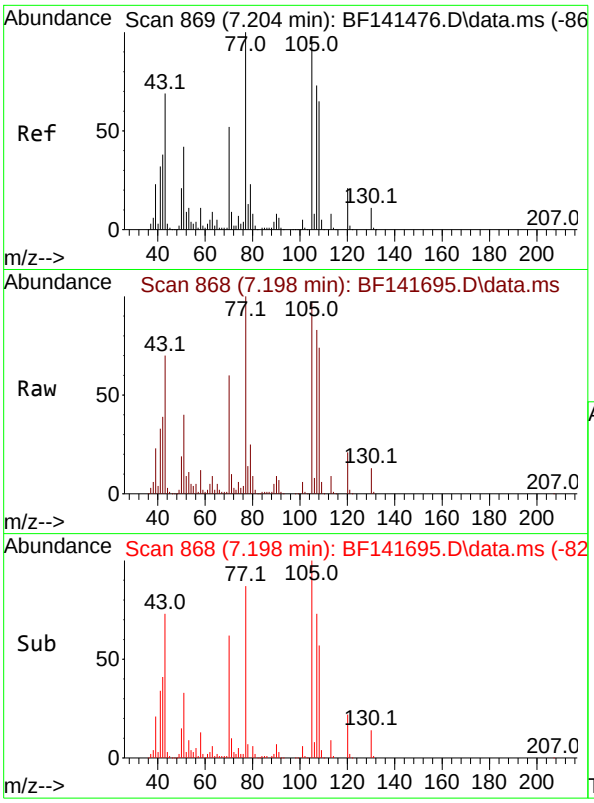


#18
Hexachloroethane
Concen: 41.531 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:117 Resp: 91492

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.5	114.7
201	102.7	76.7	115.1



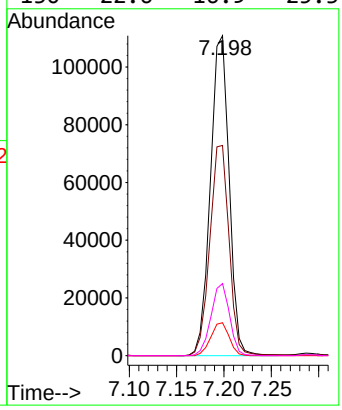


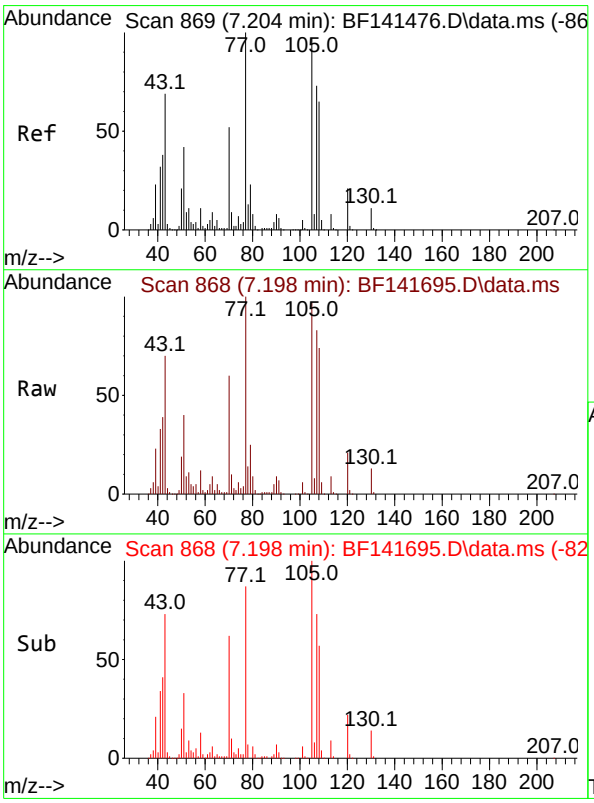
#19
n-Nitroso-di-n-propylamine
Concen: 39.454 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 152340

Ion	Ratio	Lower	Upper
70	100		
42	65.7	57.4	86.2
101	10.3	8.0	12.0
130	22.6	16.9	25.3

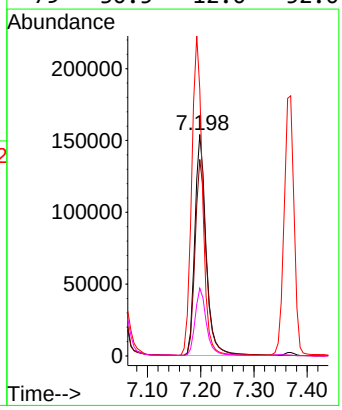


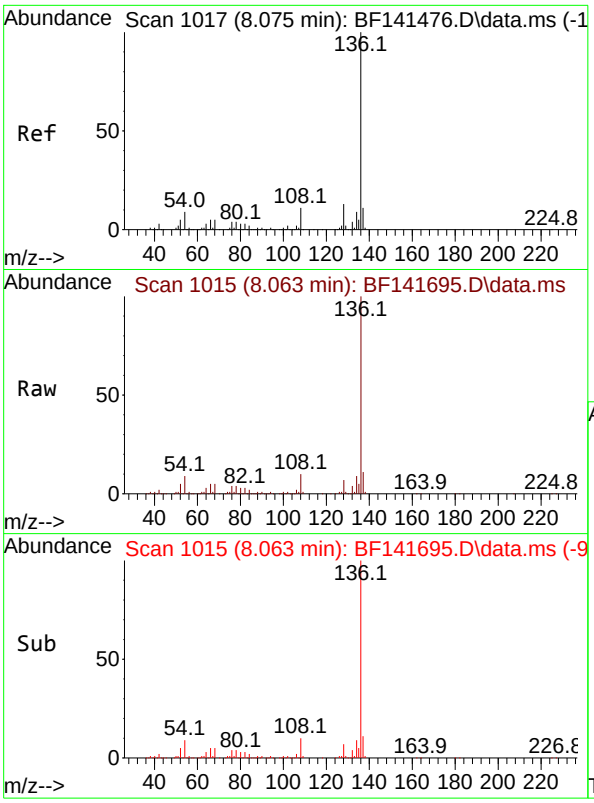


#20
3+4-Methylphenols
Concen: 41.345 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:107 Resp: 226917

Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.5	108.5
77	120.4	116.5	156.5
79	30.5	12.0	52.0



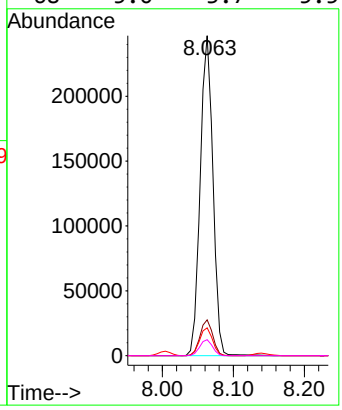


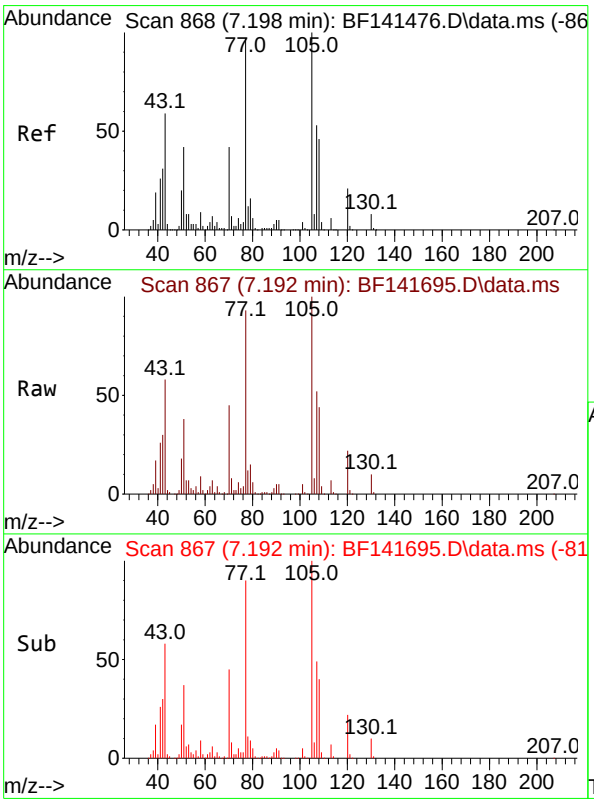
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 307804

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.7	7.2	10.8
68	5.0	3.7	5.5

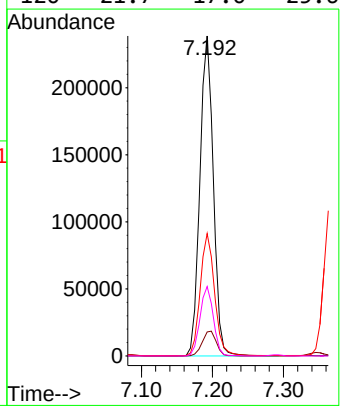


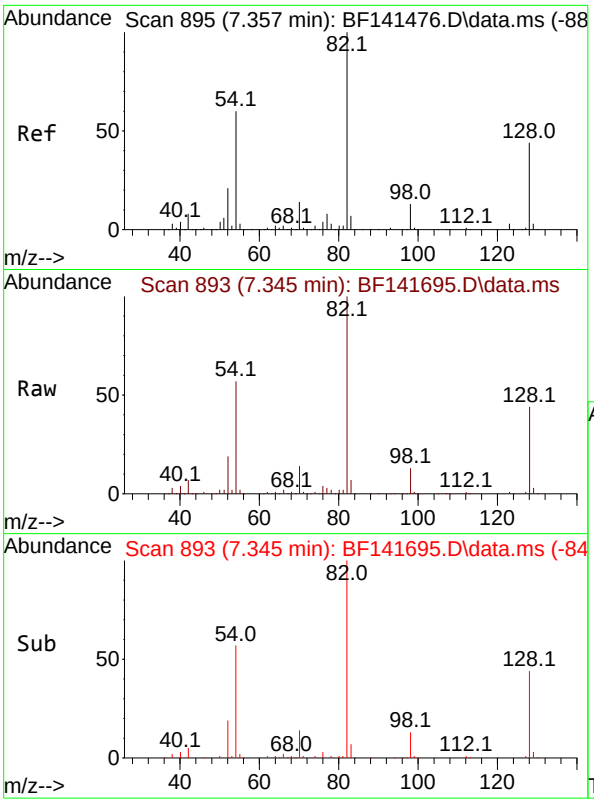


#22
Acetophenone
Concen: 41.187 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:105 Resp: 315359

Ion	Ratio	Lower	Upper
105	100		
71	7.5	5.7	8.5
51	38.2	33.7	50.5
120	21.7	17.0	25.6



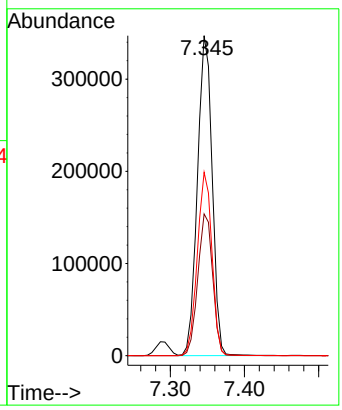


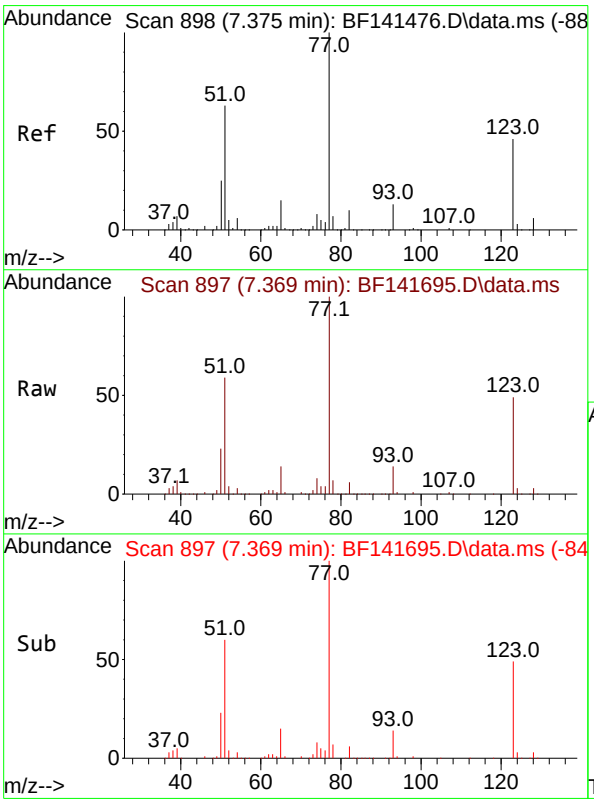
#23
Nitrobenzene-d5
Concen: 81.146 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 478870

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.8	52.2
54	57.3	48.2	72.4

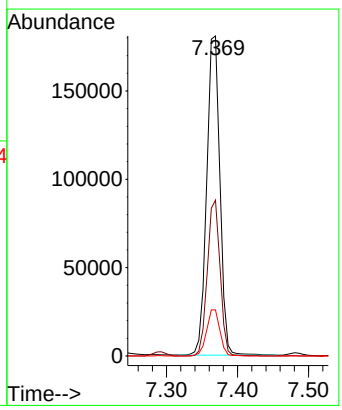


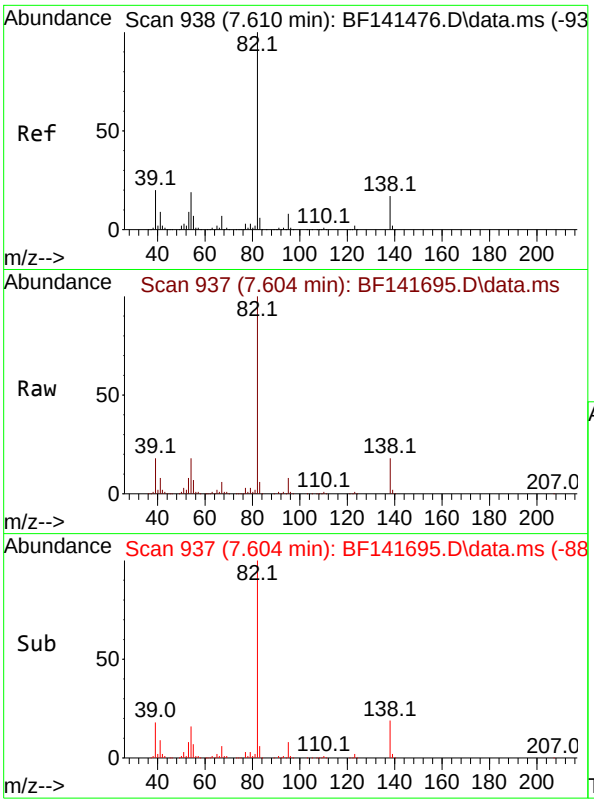


#24
Nitrobenzene
Concen: 40.770 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 77 Resp: 234613

Ion	Ratio	Lower	Upper
77	100		
123	48.7	36.9	55.3
65	14.4	11.9	17.9



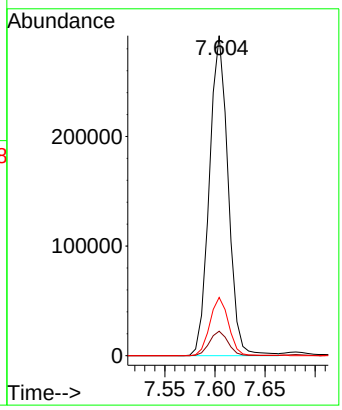


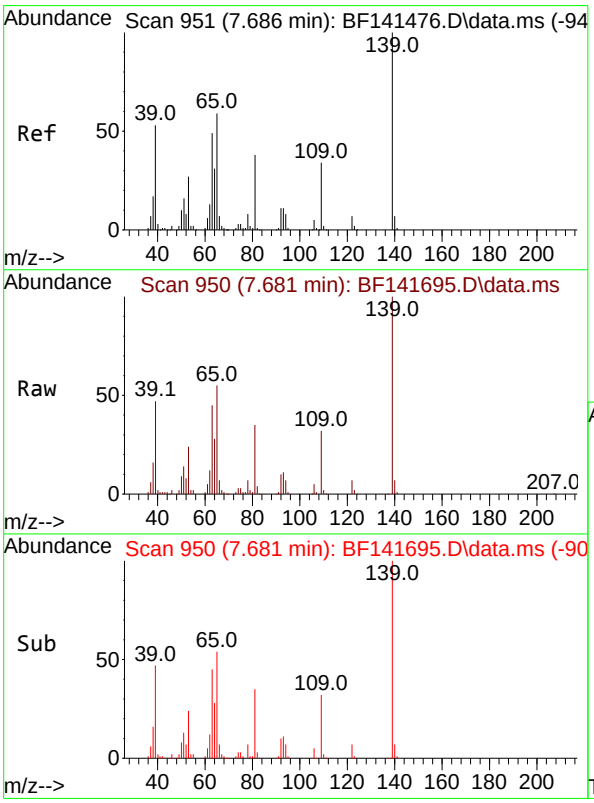
#25
Isophorone
Concen: 40.520 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 381275

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.2	13.9	20.9

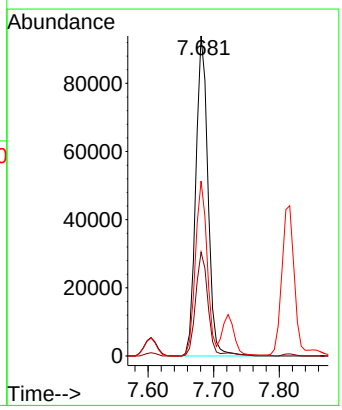


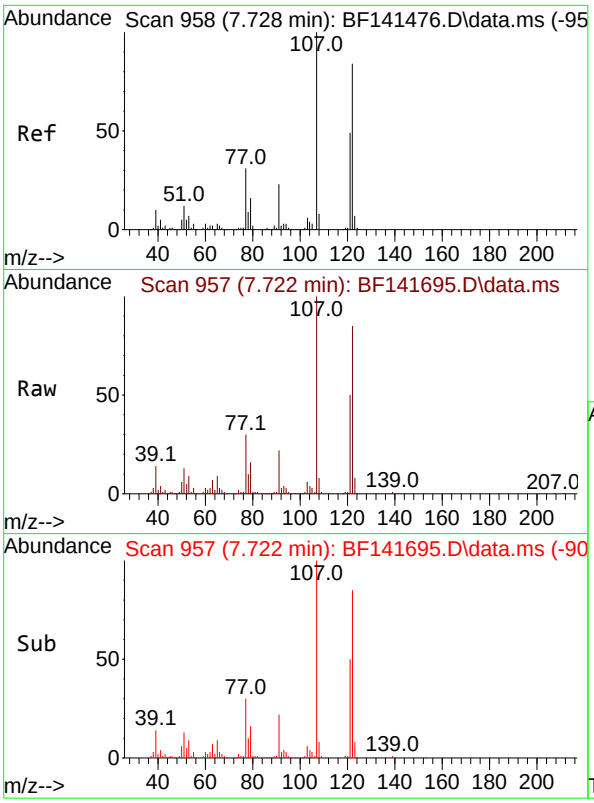


#26
2-Nitrophenol
Concen: 42.562 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:139 Resp: 121854

Ion	Ratio	Lower	Upper
139	100		
109	32.5	27.0	40.6
65	54.6	47.1	70.7



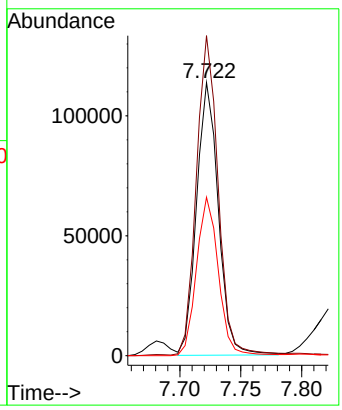


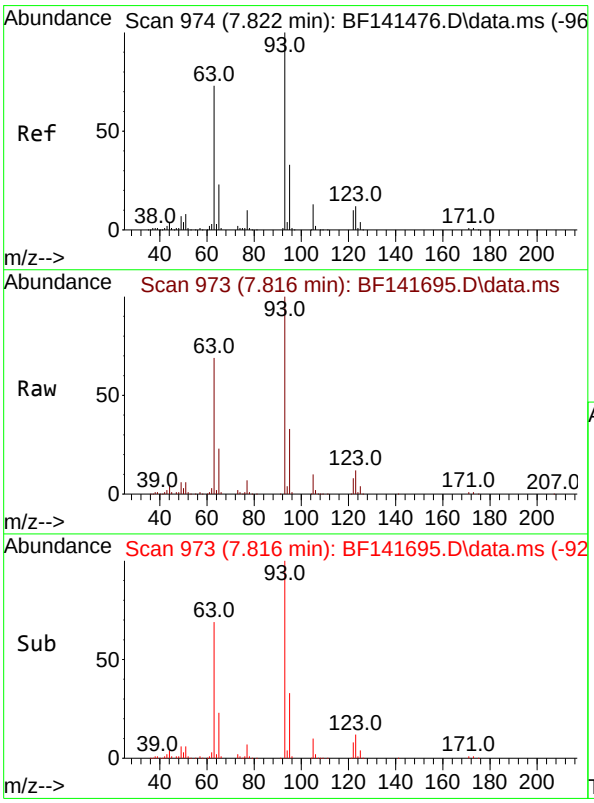
#27
2,4-Dimethylphenol
Concen: 42.378 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 141737

Ion	Ratio	Lower	Upper
122	100		
107	117.2	94.3	141.5
121	58.0	46.0	69.0

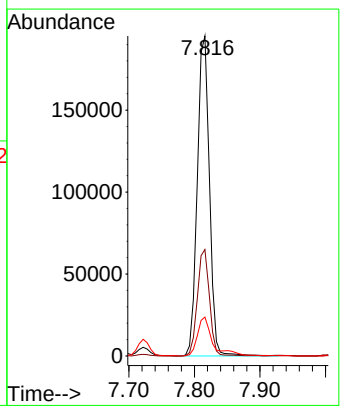


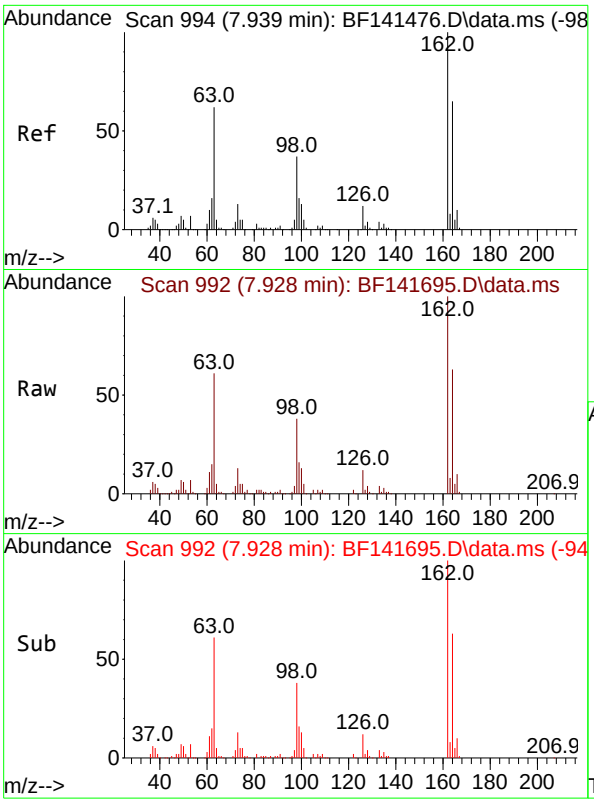


#28
bis(2-Chloroethoxy)methane
Concen: 41.822 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 93 Resp: 252167

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.1	39.1
123	12.2	9.5	14.3



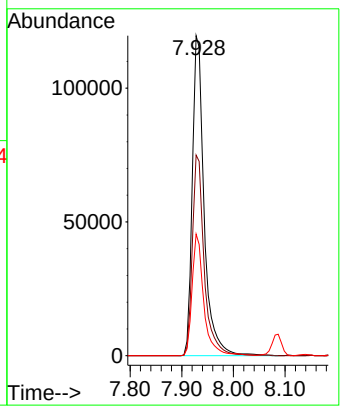


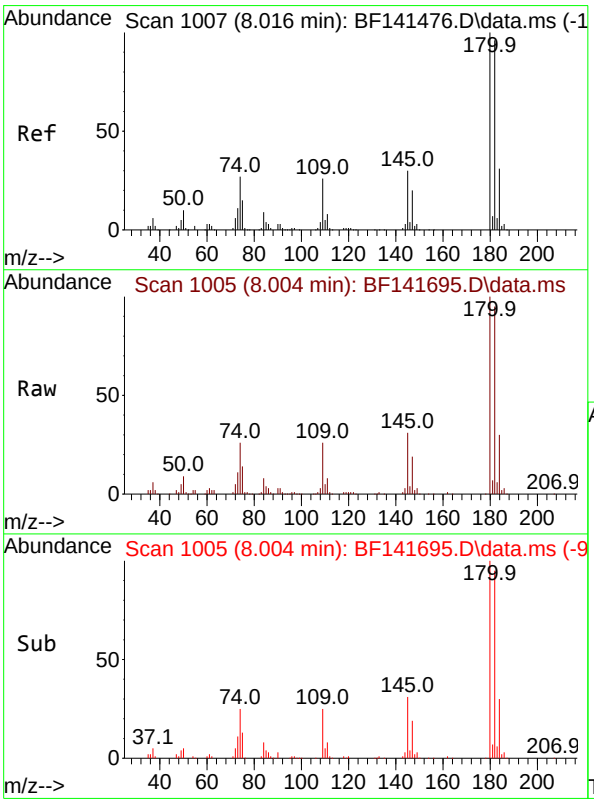
#29
2,4-Dichlorophenol
Concen: 42.143 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 190446

Ion	Ratio	Lower	Upper
162	100		
164	62.7	44.6	84.6
98	38.0	17.2	57.2

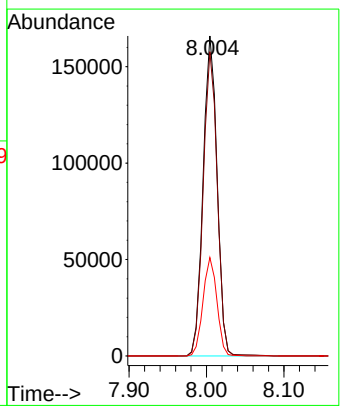


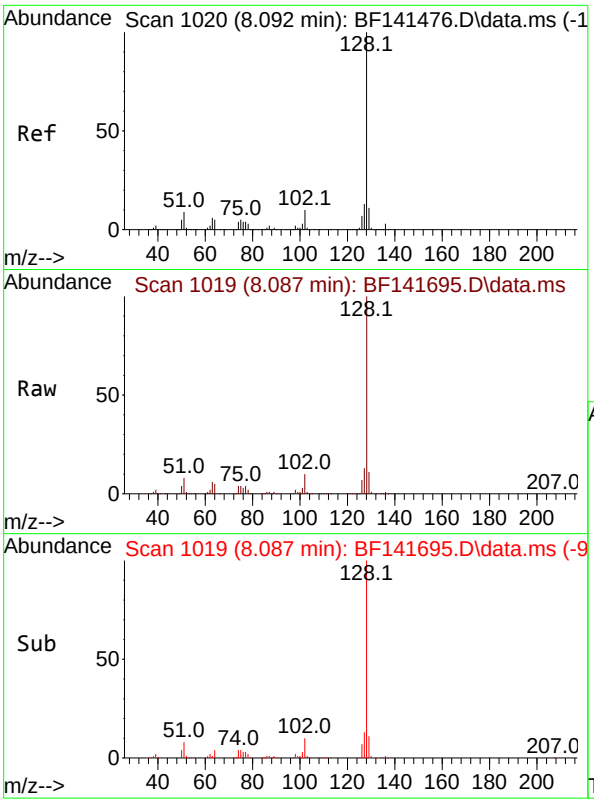


#30
1,2,4-Trichlorobenzene
Concen: 42.270 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:180 Resp: 208016

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	30.7	24.2	36.4



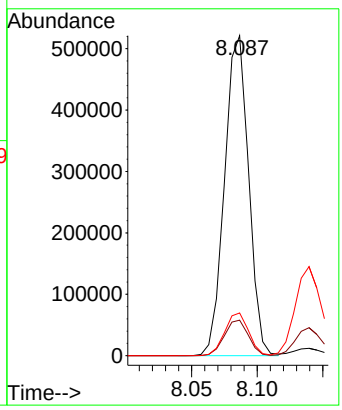


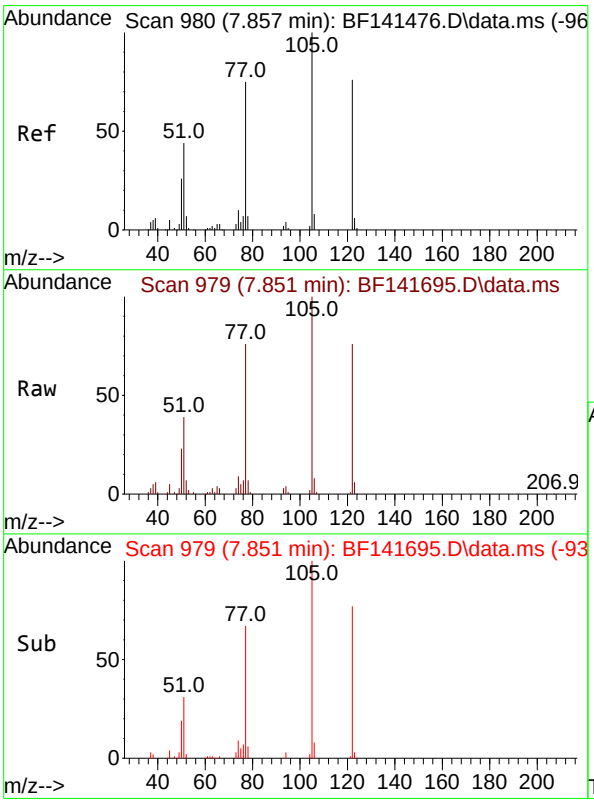
#31
Naphthalene
Concen: 41.464 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 664347

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

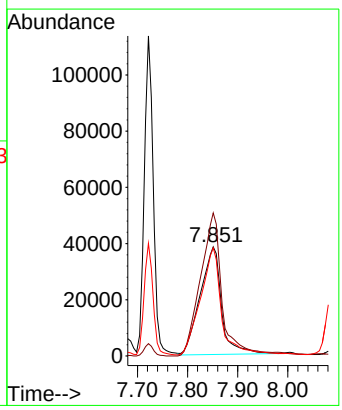


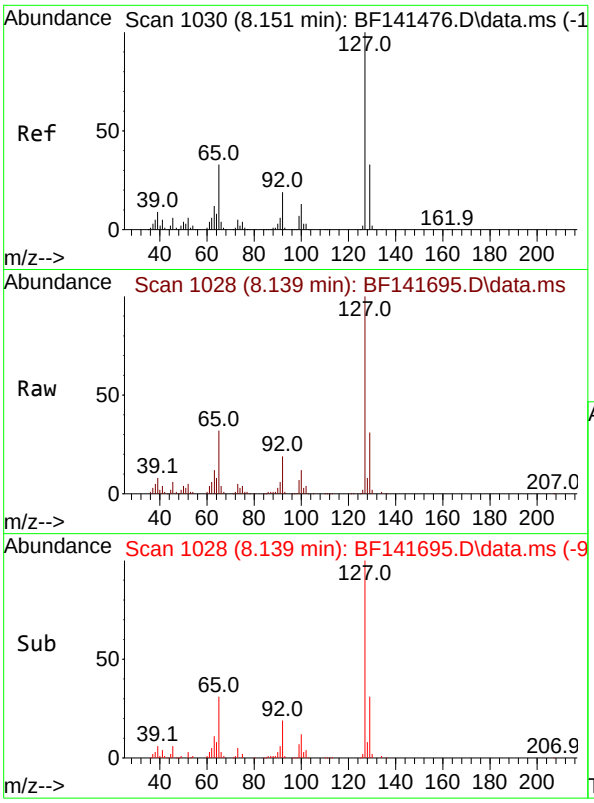


#32
Benzoic acid
Concen: 32.679 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:122 Resp: 113529

Ion	Ratio	Lower	Upper
122	100		
105	131.1	106.5	146.5
77	99.1	76.3	116.3



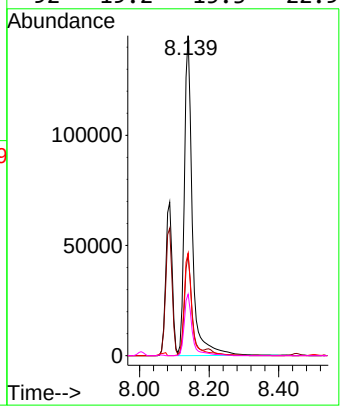


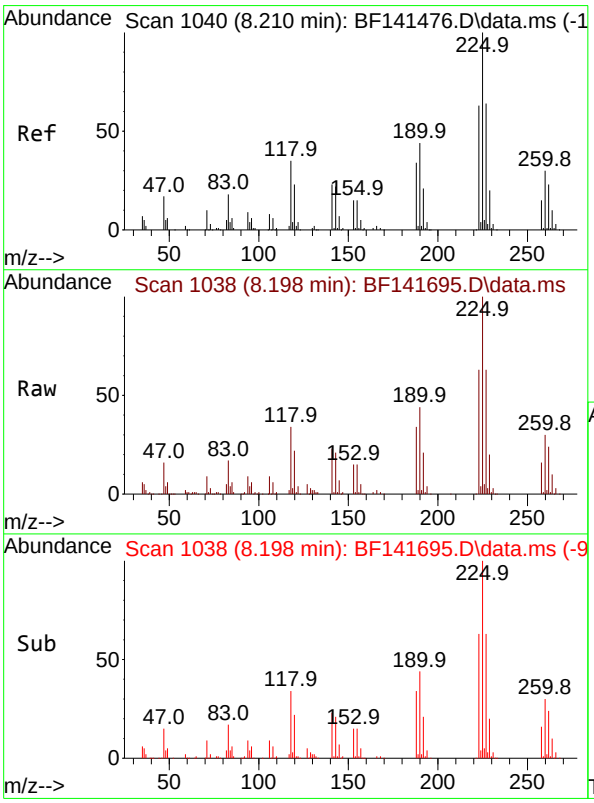
#33
4-Chloroaniline
Concen: 41.388 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 231527

Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.5	39.7
65	32.0	26.4	39.6
92	19.2	15.3	22.9

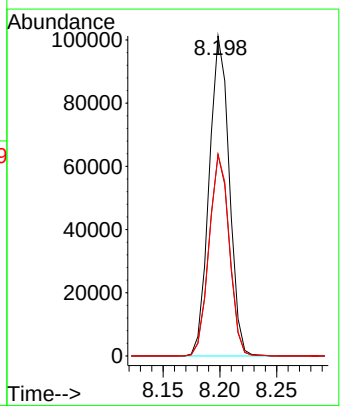


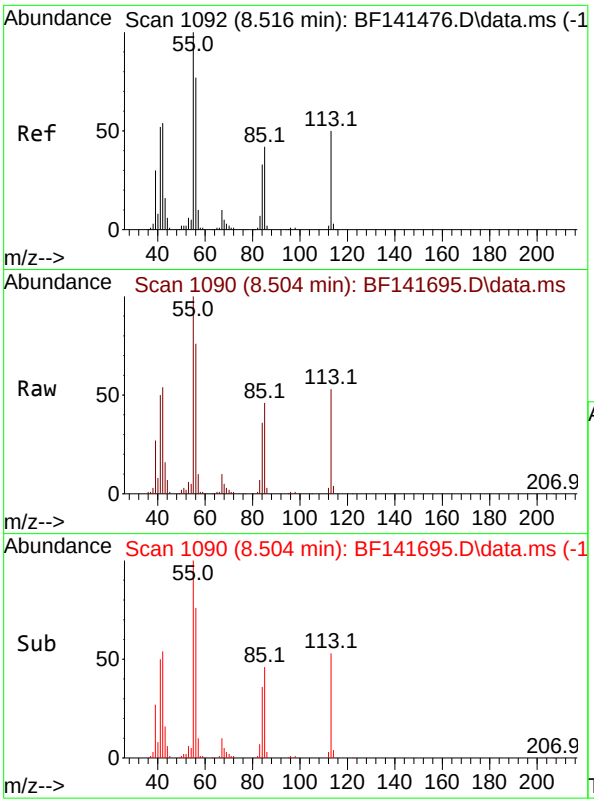


#34
Hexachlorobutadiene
Concen: 42.062 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:225 Resp: 124264

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.1	75.1
227	63.0	51.0	76.6



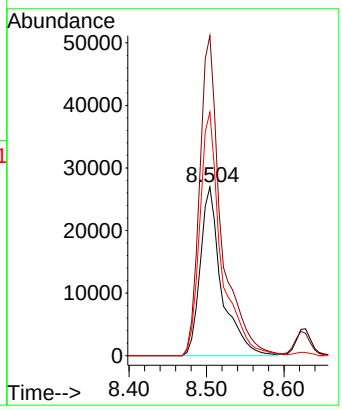


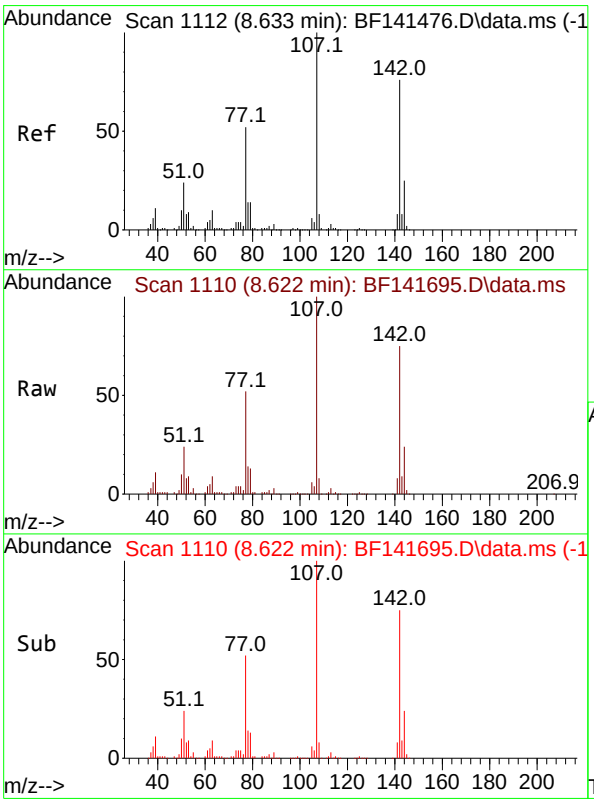
#35
Caprolactam
Concen: 37.579 ng
RT: 8.504 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 51705

Ion	Ratio	Lower	Upper
113	100		
55	189.7	180.8	220.8
56	144.4	133.6	173.6

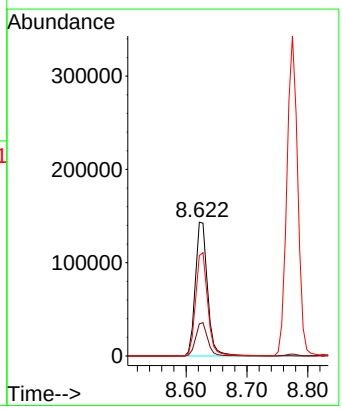


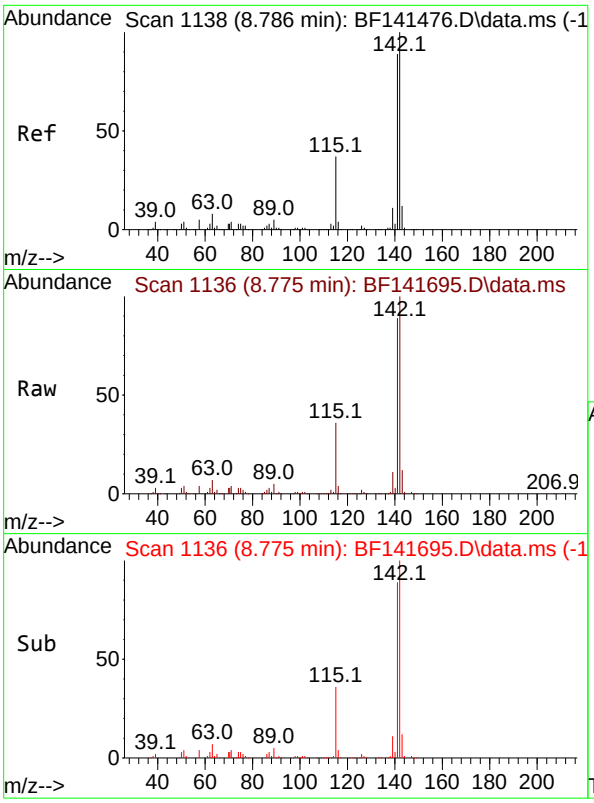


#36
4-Chloro-3-methylphenol
Concen: 39.930 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:107 Resp: 199883

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.7	29.5
142	75.1	60.8	91.2



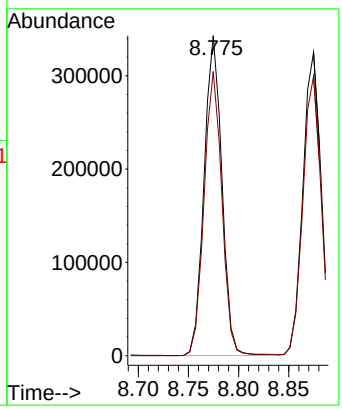


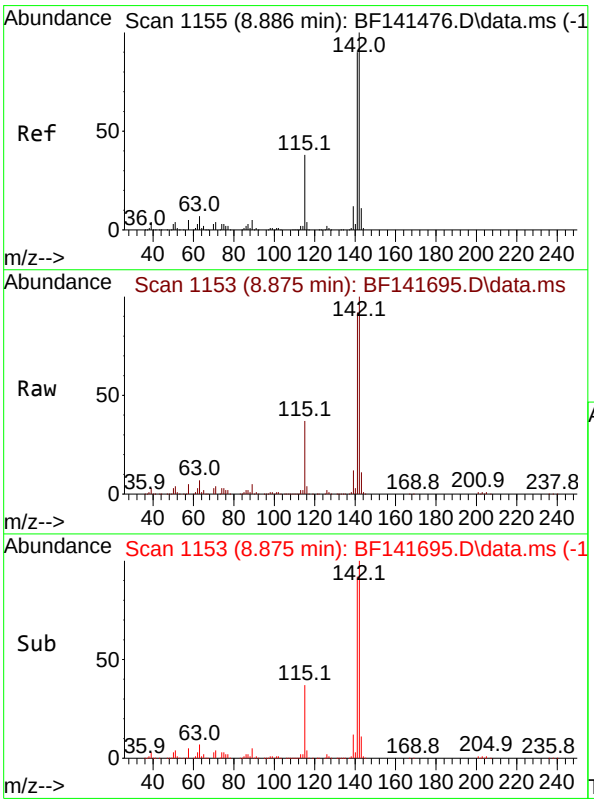
#37
2-Methylnaphthalene
Concen: 40.648 ng
RT: 8.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 423811

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.2	106.8

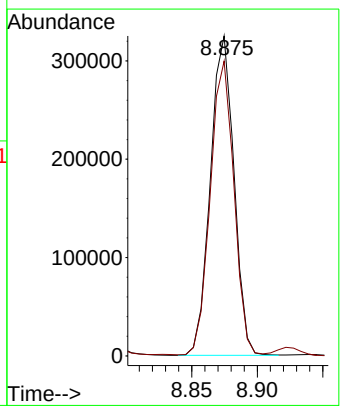


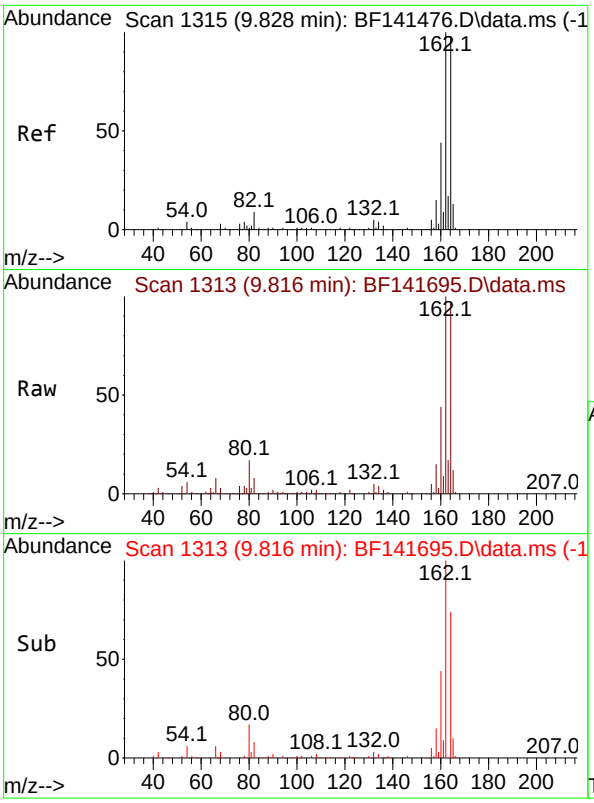


#38
1-Methylnaphthalene
Concen: 40.213 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:142 Resp: 406073

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.1	108.1



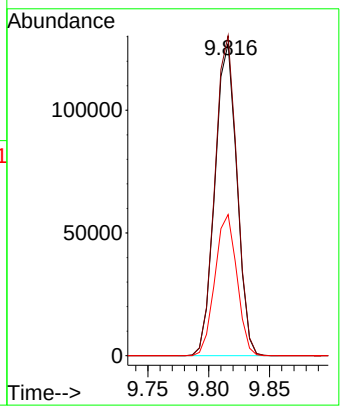


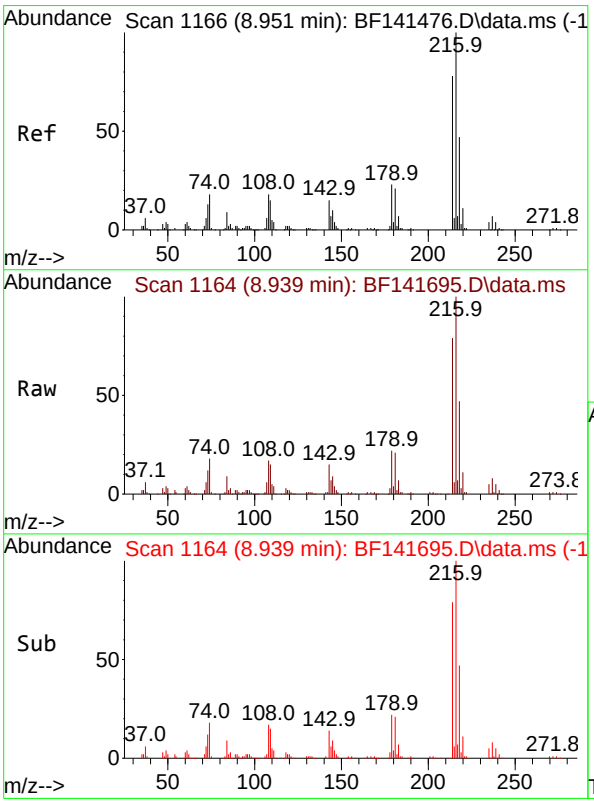
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 159807

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	45.2	35.9	53.9

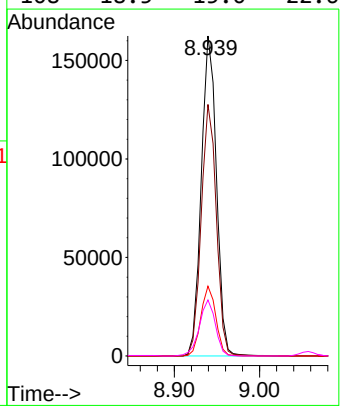


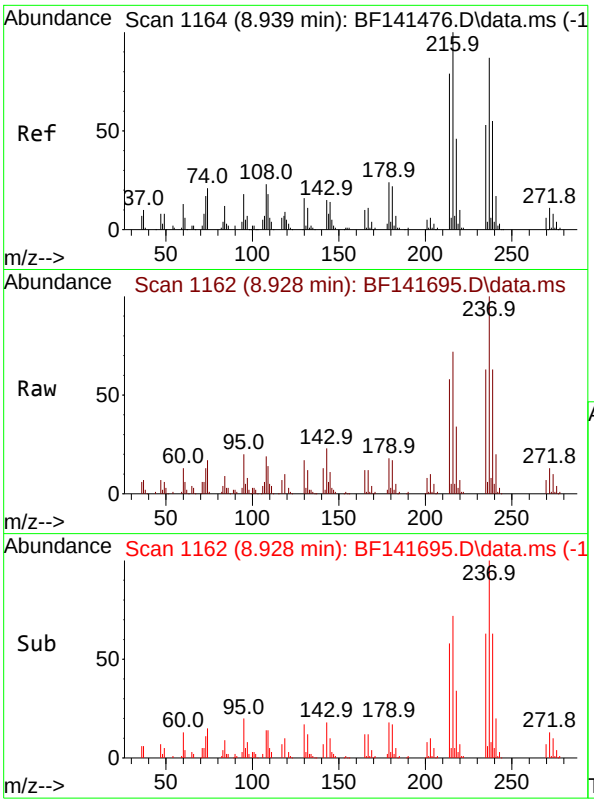


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.401 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:216 Resp: 200663

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	21.5	18.0	27.0
108	18.5	15.0	22.6



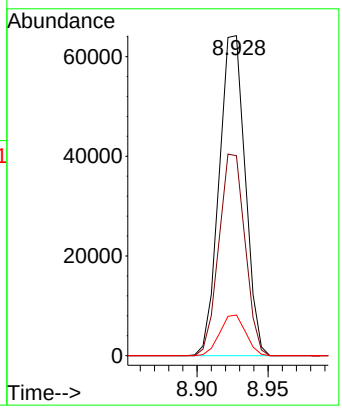


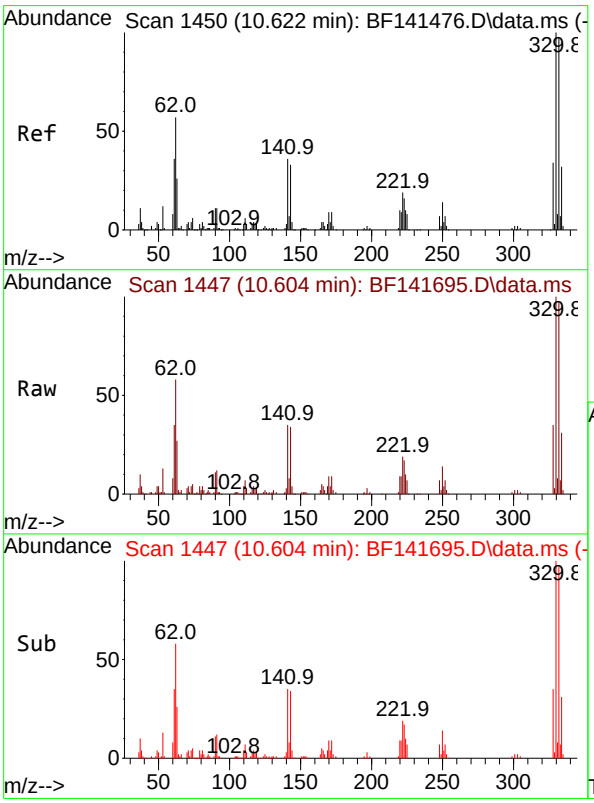
#41
Hexachlorocyclopentadiene
Concen: 53.235 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 81864

Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.4	81.4
272	12.7	0.0	32.4

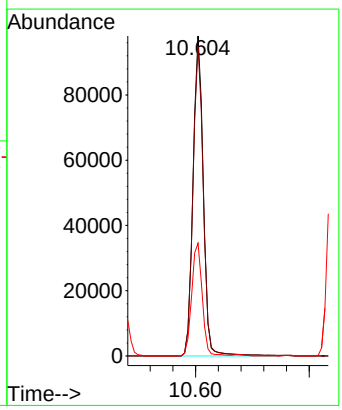


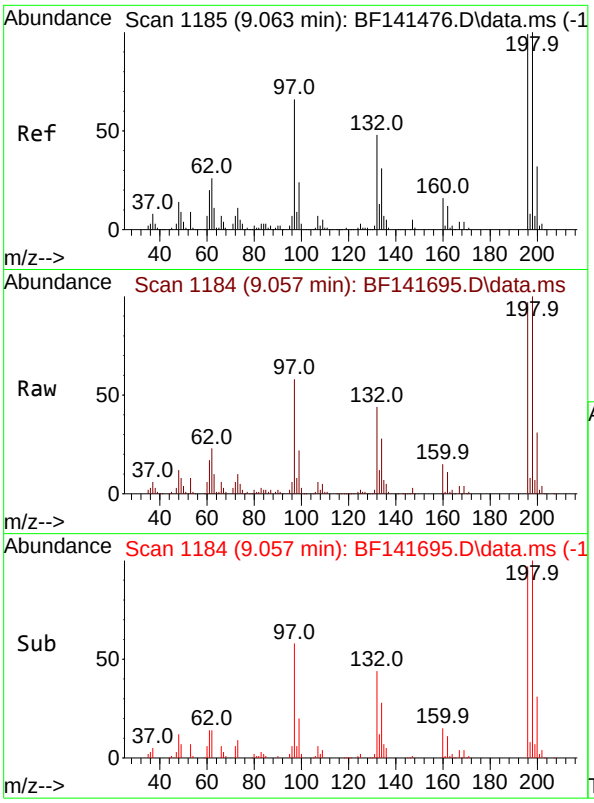


#42
2,4,6-Tribromophenol
Concen: 77.112 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:330 Resp: 123790

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.5	117.7
141	36.1	31.0	46.4



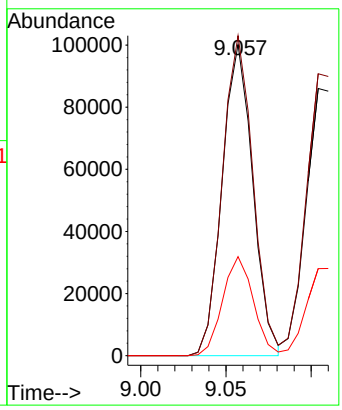


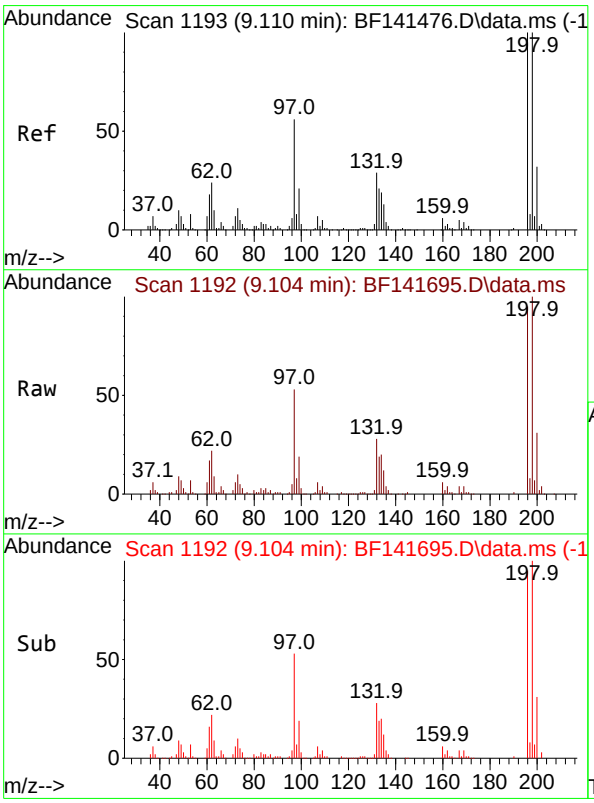
#43
2,4,6-Trichlorophenol
Concen: 41.944 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 125337

Ion	Ratio	Lower	Upper
196	100		
198	102.9	80.6	121.0
200	31.8	25.5	38.3

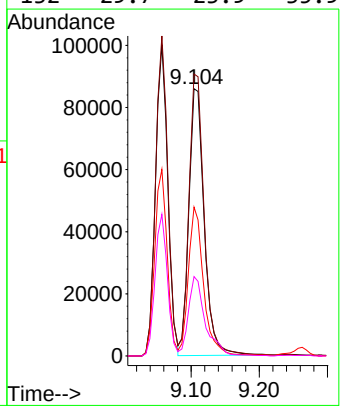


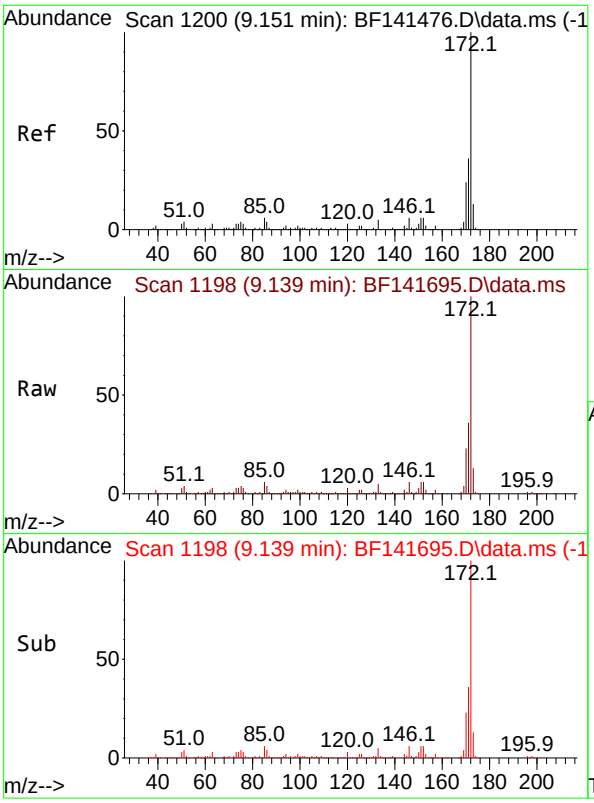


#44
2,4,5-Trichlorophenol
Concen: 41.300 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:196 Resp: 133749

Ion	Ratio	Lower	Upper
196	100		
198	105.5	79.8	119.8
97	55.7	44.8	67.2
132	29.7	23.9	35.9



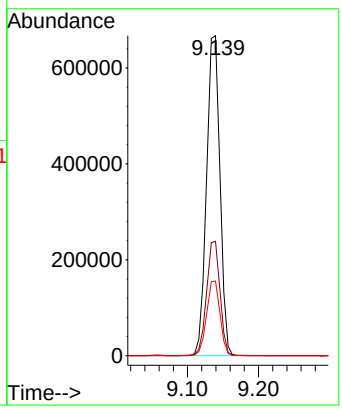


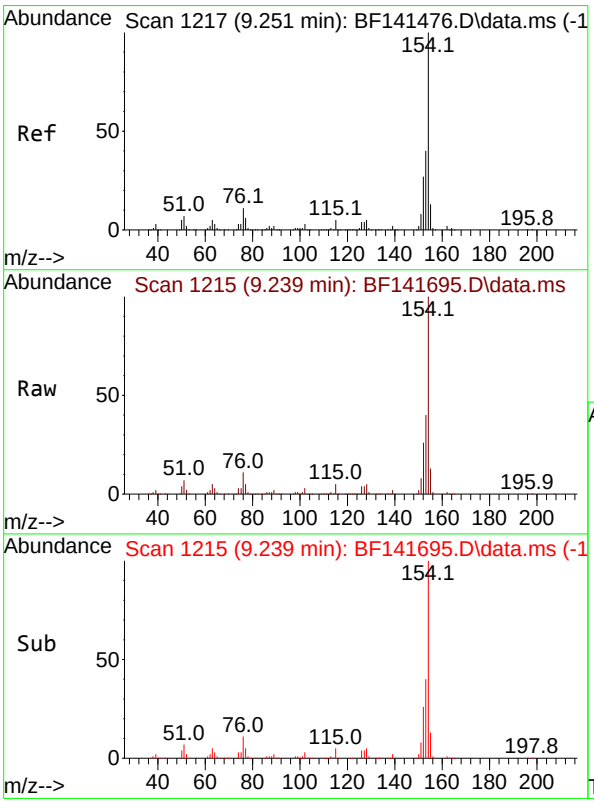
#45
2-Fluorobiphenyl
Concen: 84.645 ng
RT: 9.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 877999

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.3	18.9	28.3

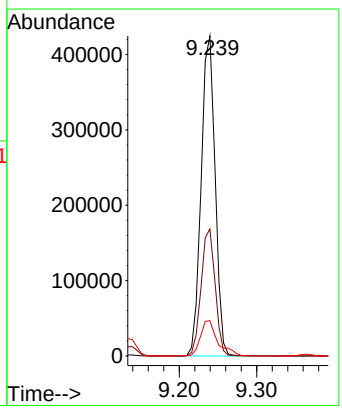


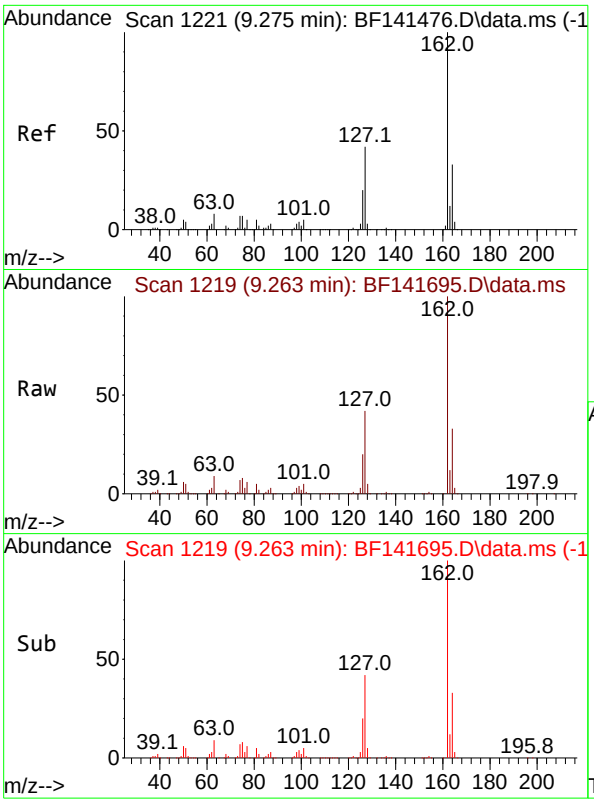


#46
1,1'-Biphenyl
Concen: 42.938 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:154 Resp: 531979

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.4	60.4
76	11.0	0.0	30.8



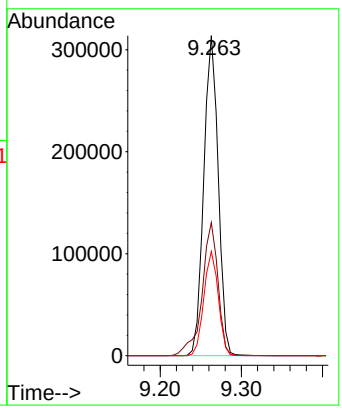


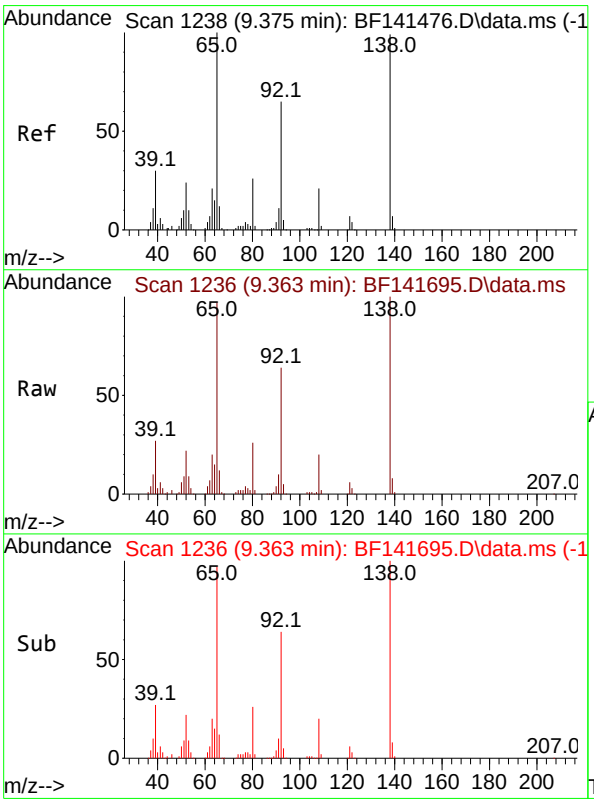
#47
2-Chloronaphthalene
Concen: 42.166 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 386311

Ion	Ratio	Lower	Upper
162	100		
127	41.6	34.1	51.1
164	32.5	26.3	39.5

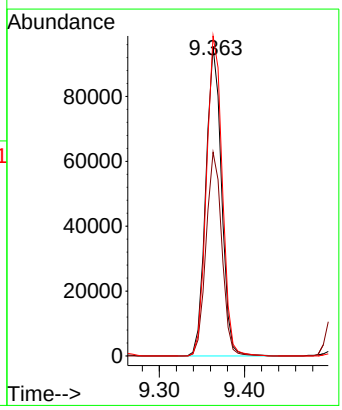


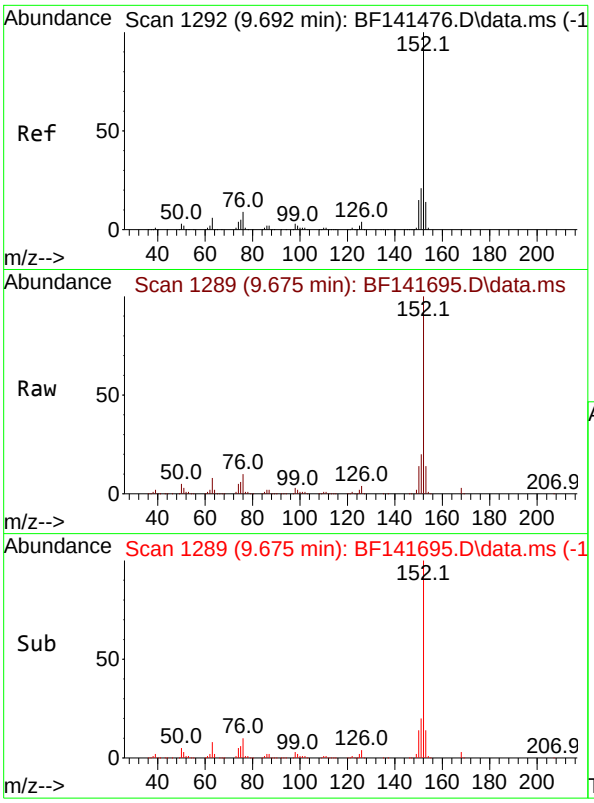


#48
2-Nitroaniline
Concen: 39.668 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion: 65 Resp: 121965

Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.2	78.2
138	103.5	79.5	119.3



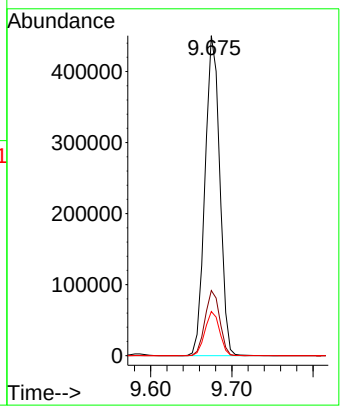


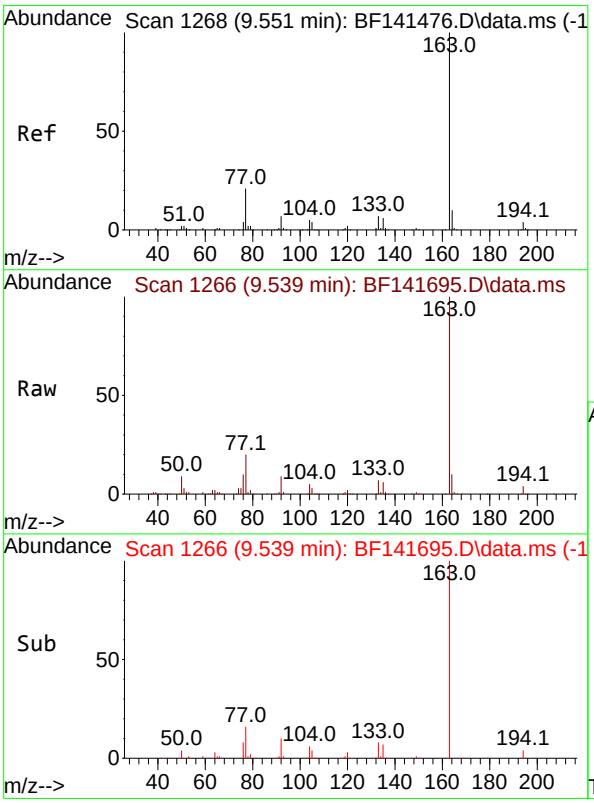
#49
Acenaphthylene
Concen: 41.606 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 566961

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.8	10.9	16.3

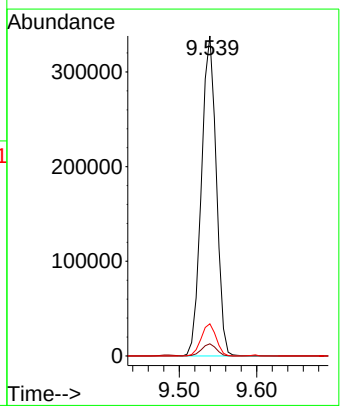


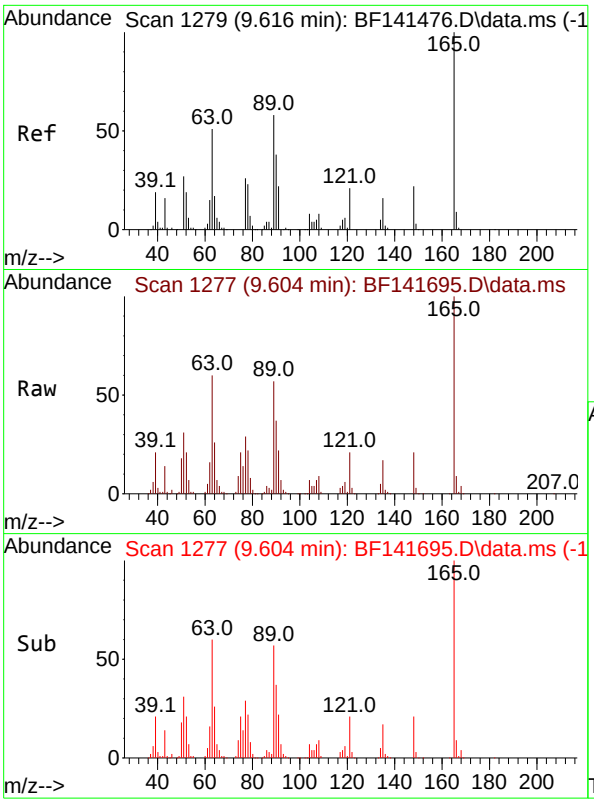


#50
Dimethylphthalate
Concen: 41.539 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:163 Resp: 450650

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	7.9	11.9



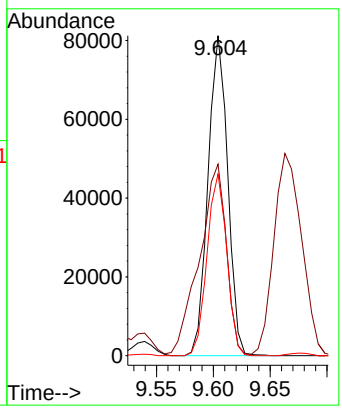


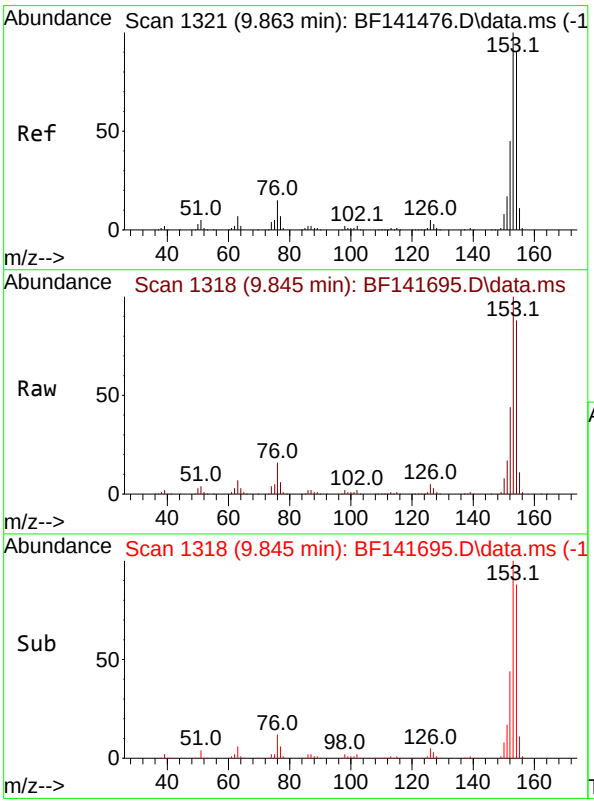
#51
2,6-Dinitrotoluene
Concen: 41.195 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 97700

Ion	Ratio	Lower	Upper
165	100		
63	59.8	49.4	74.0
89	56.8	46.5	69.7

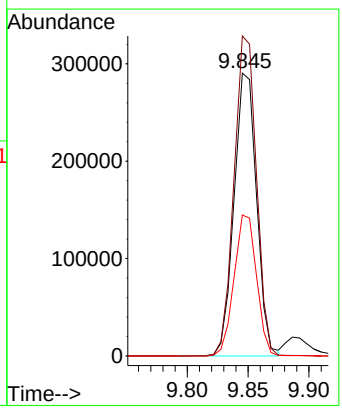


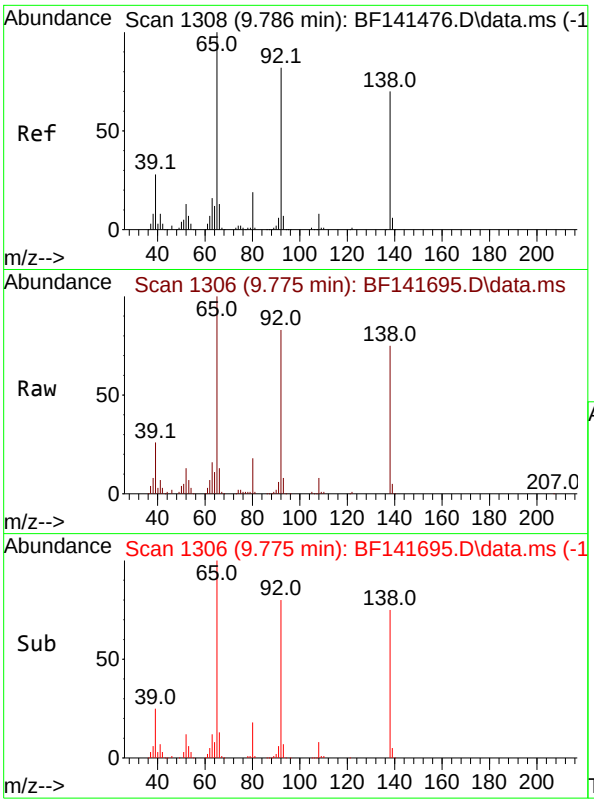


#52
Acenaphthene
Concen: 40.925 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:154 Resp: 374923

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.2	133.8
152	49.9	39.8	59.8



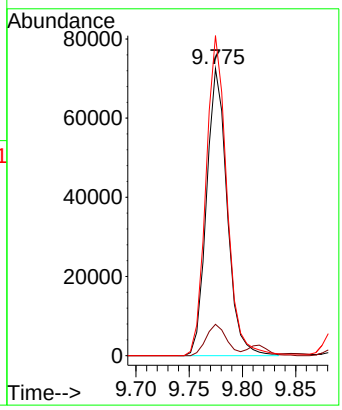


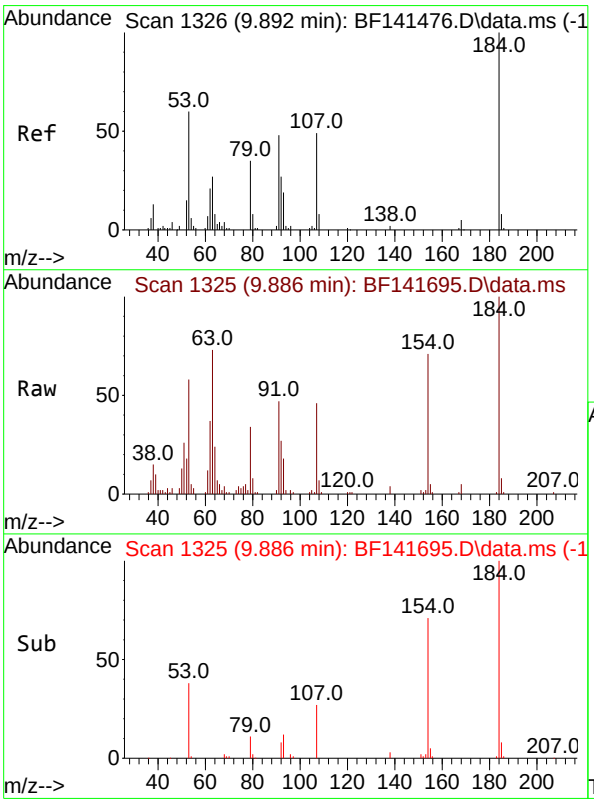
#53
3-Nitroaniline
Concen: 38.218 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 97555

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.4
92	111.5	93.7	140.5

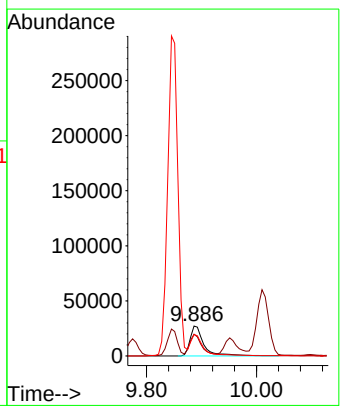


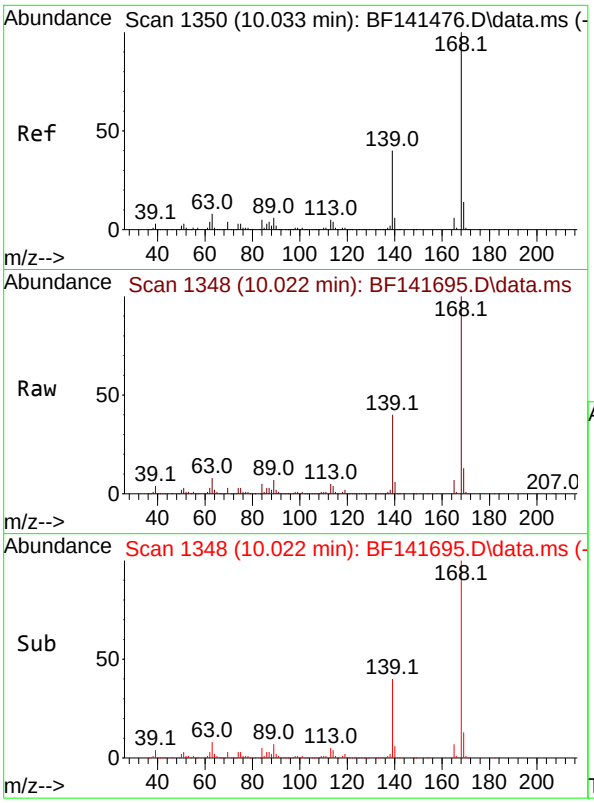


#54
2,4-Dinitrophenol
Concen: 34.122 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:184 Resp: 48096

Ion	Ratio	Lower	Upper
184	100		
63	72.9	61.0	91.6
154	71.4	59.9	89.9



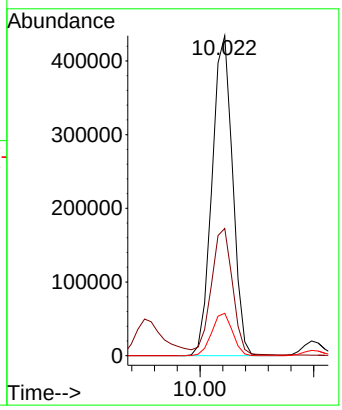


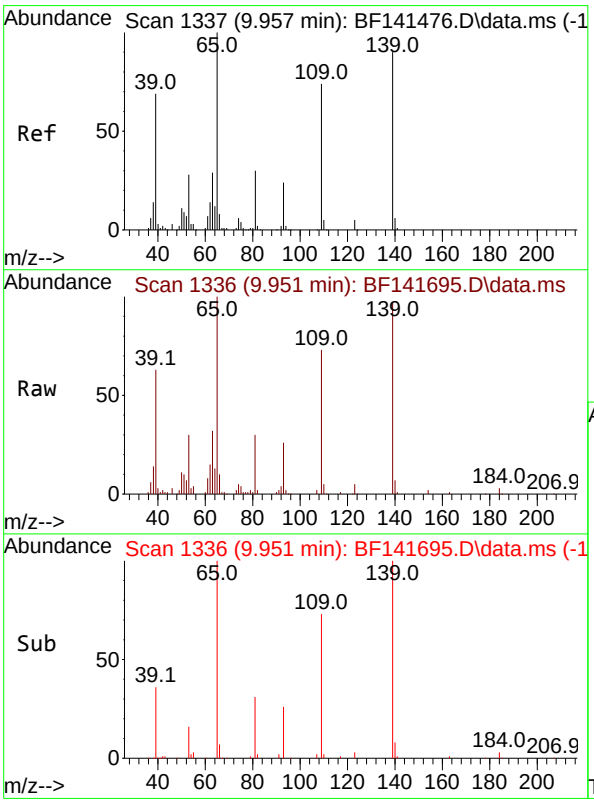
#55
Dibenzofuran
Concen: 40.628 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 546331

Ion	Ratio	Lower	Upper
168	100		
139	39.7	32.7	49.1
169	13.3	10.8	16.2

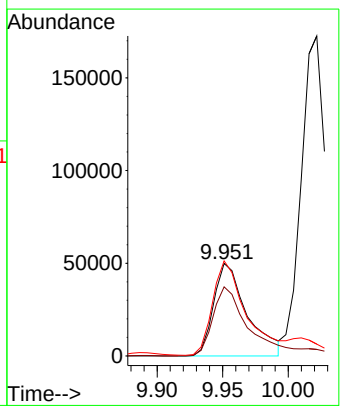


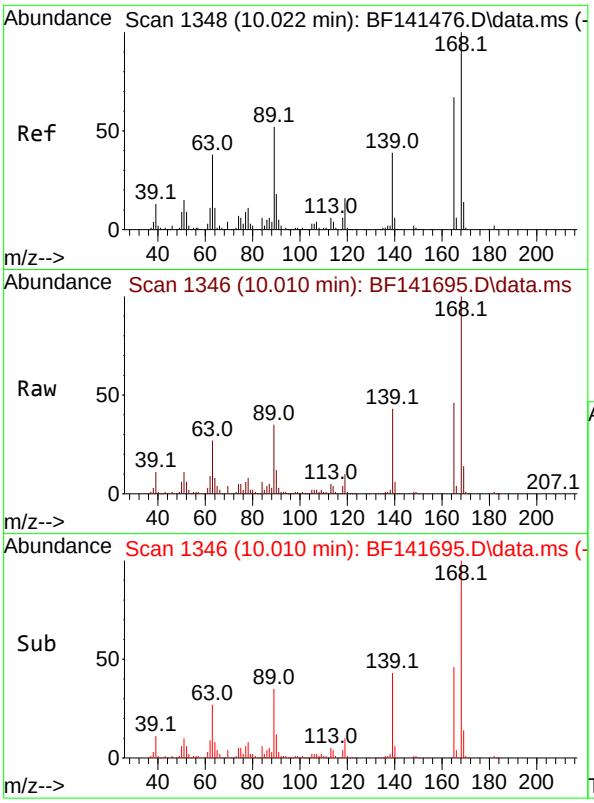


#56
4-Nitrophenol
Concen: 46.699 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:139 Resp: 88489

Ion	Ratio	Lower	Upper
139	100		
109	74.8	62.0	102.0
65	102.8	91.2	131.2



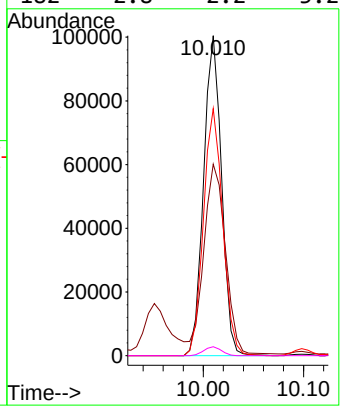


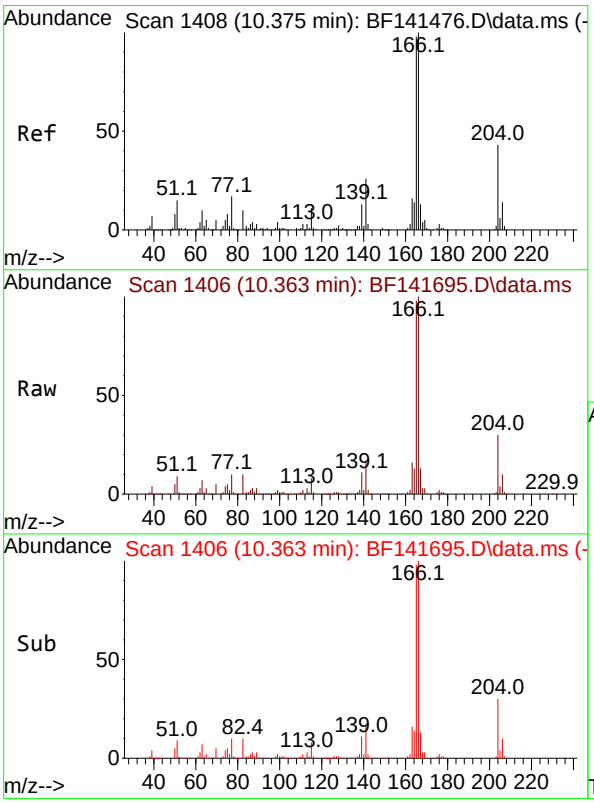
#57
2,4-Dinitrotoluene
Concen: 39.592 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 125002

Ion	Ratio	Lower	Upper
165	100		
63	59.9	46.4	69.6
89	77.2	61.8	92.6
182	2.8	2.2	3.2

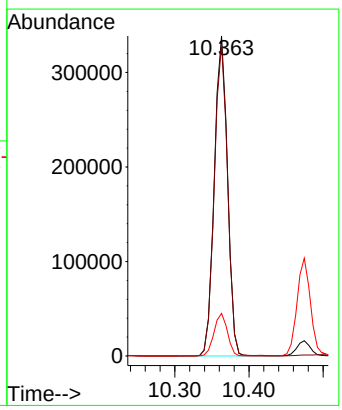


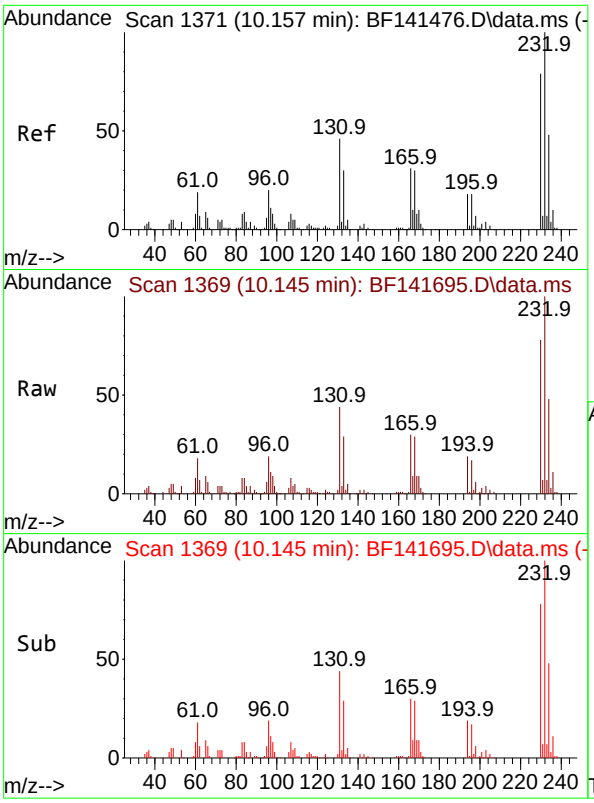


#58
Fluorene
Concen: 40.252 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:166 Resp: 418507

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.3	10.7	16.1



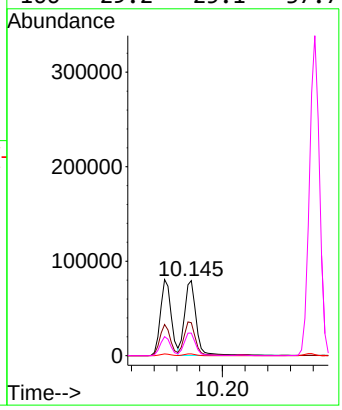


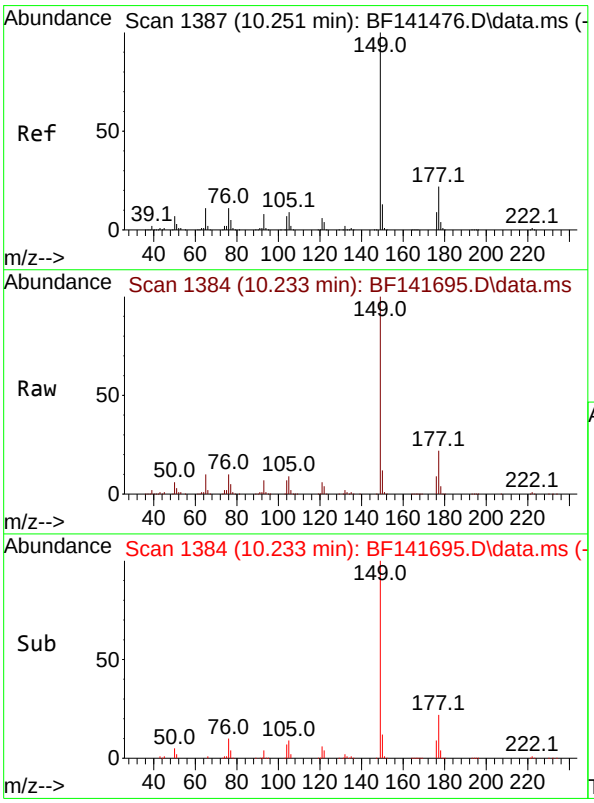
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.913 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 111284

Ion	Ratio	Lower	Upper
232	100		
131	44.6	39.2	58.8
130	2.3	2.1	3.1
166	29.2	25.1	37.7

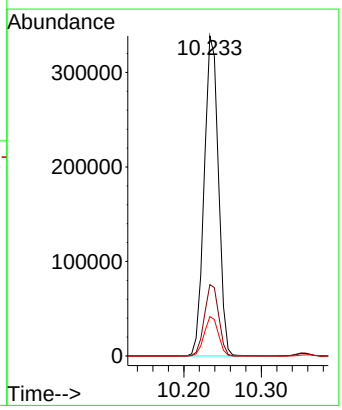


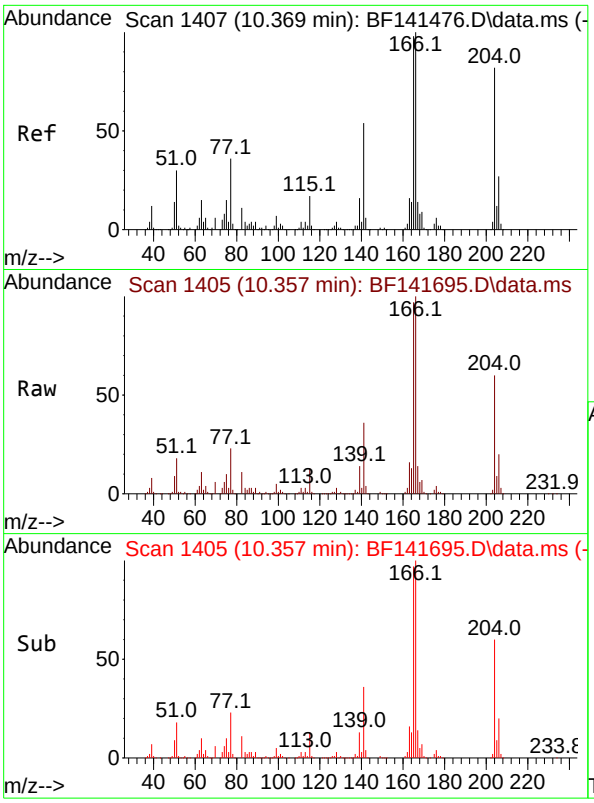


#60
Diethylphthalate
Concen: 40.438 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:149 Resp: 431632

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.6
150	12.3	10.1	15.1



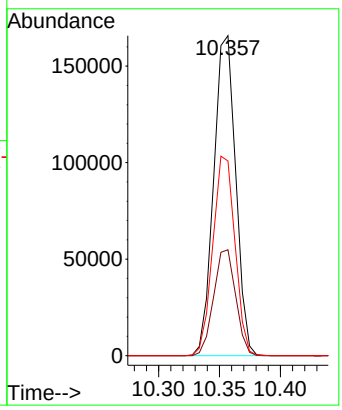


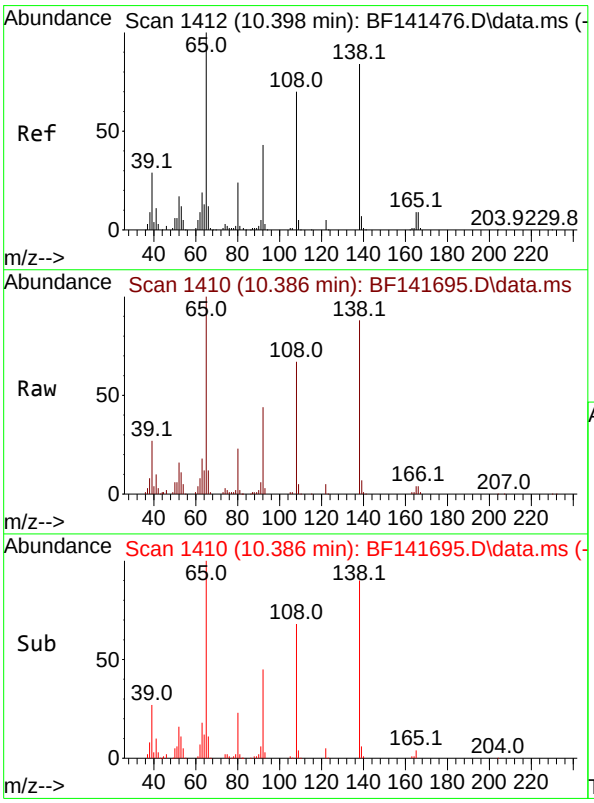
#61
4-Chlorophenyl-phenylether
Concen: 41.781 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 208990

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	60.9	51.9	77.9

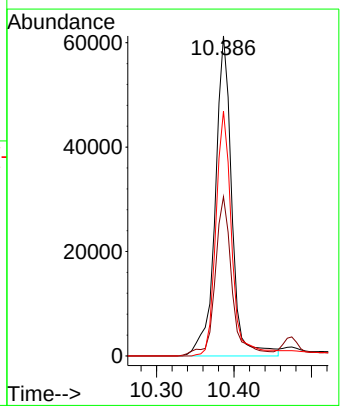


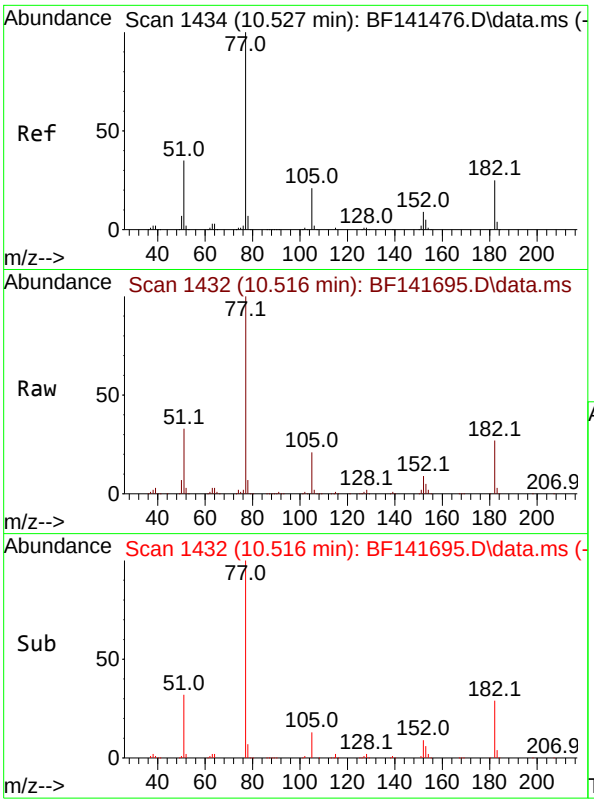


#62
4-Nitroaniline
Concen: 35.163 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:138 Resp: 91141

Ion	Ratio	Lower	Upper
138	100		
92	49.7	31.3	71.3
108	76.5	63.7	103.7



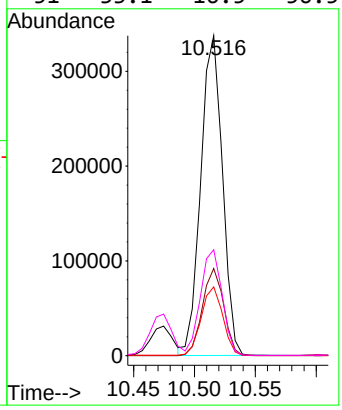


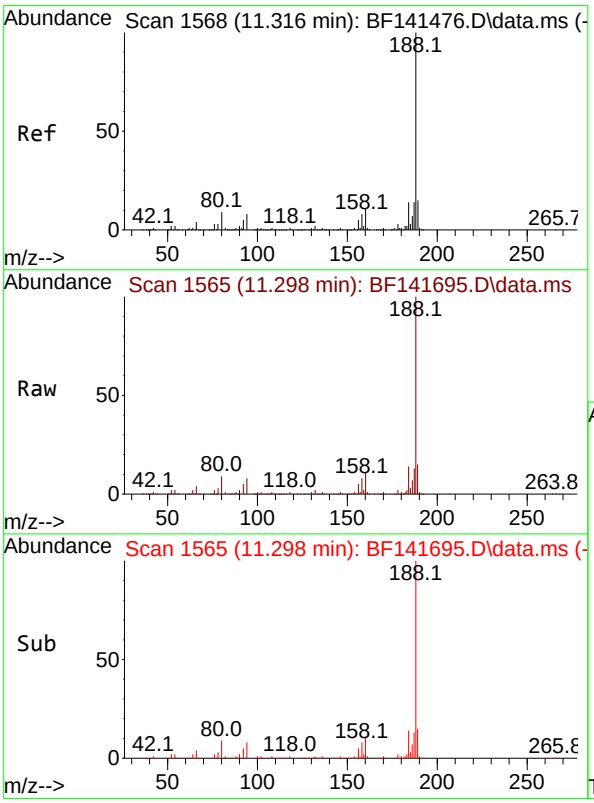
#63
Azobenzene
Concen: 39.443 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 418541

Ion	Ratio	Lower	Upper
77	100		
182	27.2	4.7	44.7
105	21.5	0.4	40.4
51	33.1	16.5	56.5

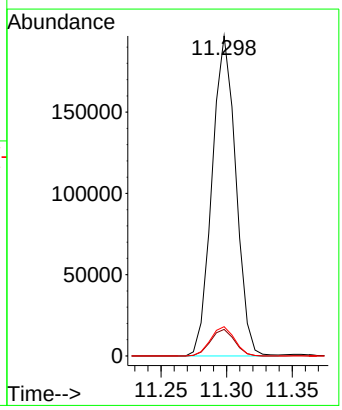


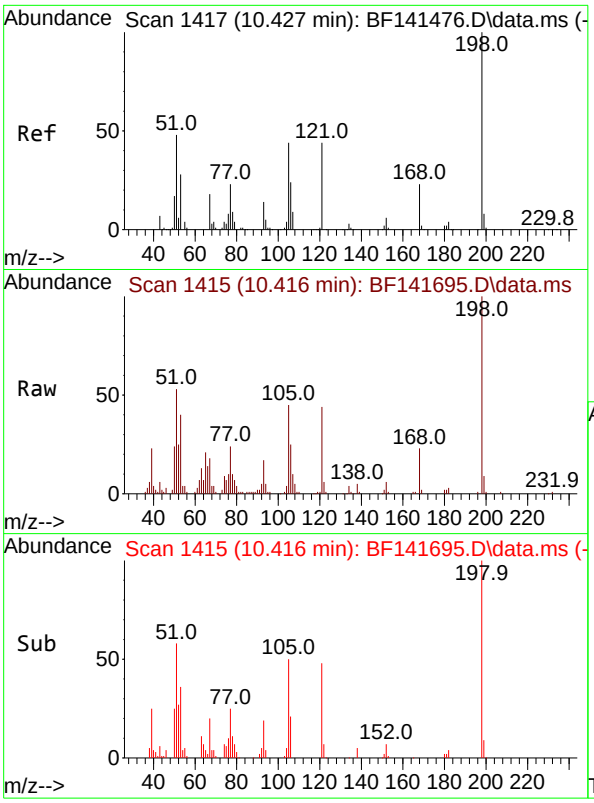


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:188 Resp: 248423

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.2	7.3	10.9



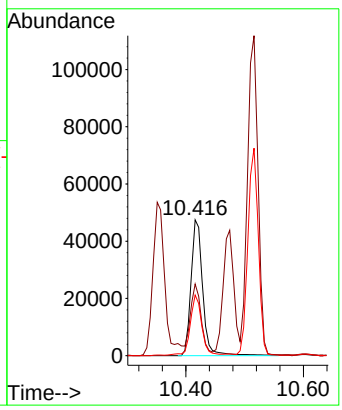


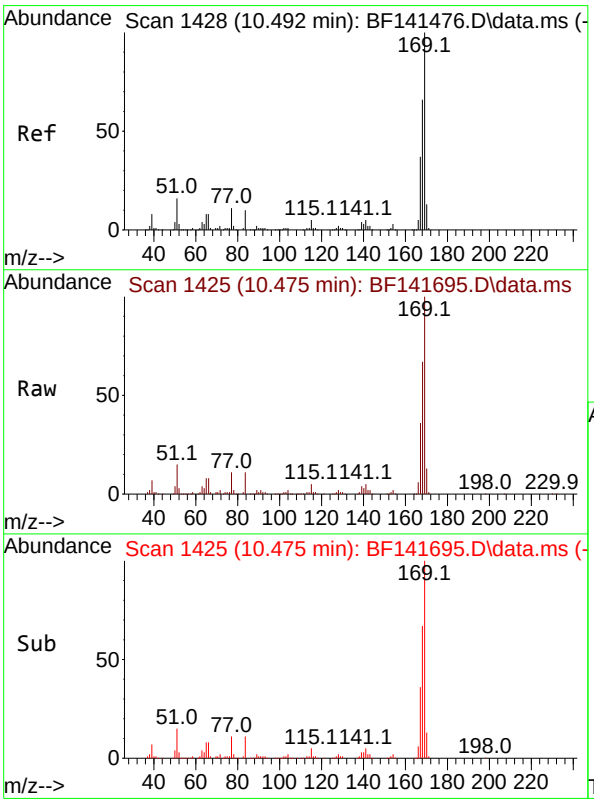
#65
4,6-Dinitro-2-methylphenol
Concen: 38.194 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 65911

Ion	Ratio	Lower	Upper
198	100		
51	52.8	37.4	77.4
105	44.6	25.2	65.2

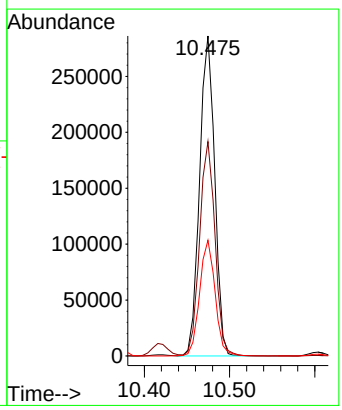


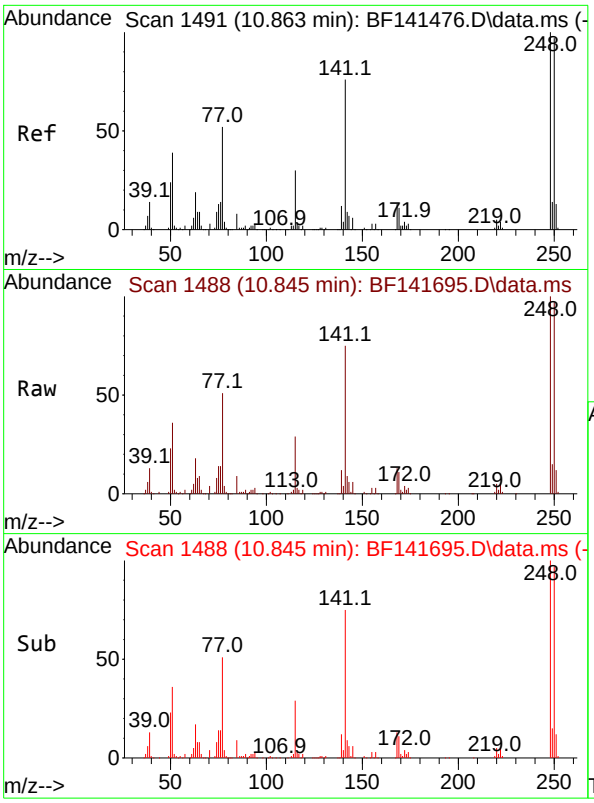


#66
n-Nitrosodiphenylamine
Concen: 44.369 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:169 Resp: 352830

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.3	79.9
167	36.1	29.4	44.2



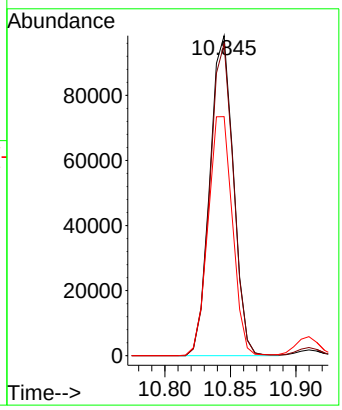


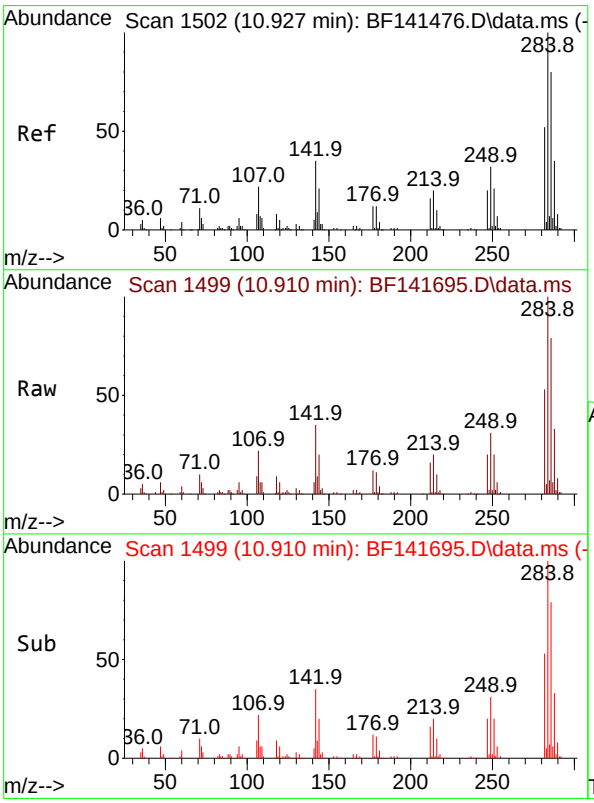
#67
4-Bromophenyl-phenylether
Concen: 44.322 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 123058

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.6
141	74.7	60.6	90.8

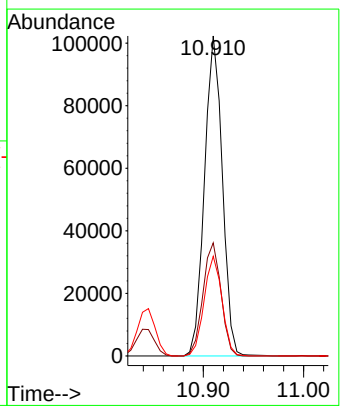


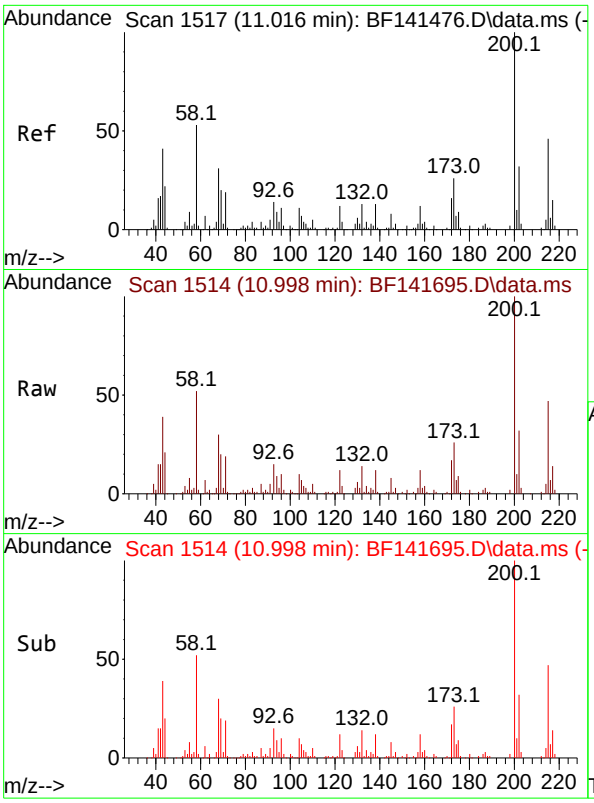


#68
Hexachlorobenzene
Concen: 44.357 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:284 Resp: 126817

Ion	Ratio	Lower	Upper
284	100		
142	35.4	28.0	42.0
249	31.1	25.8	38.8



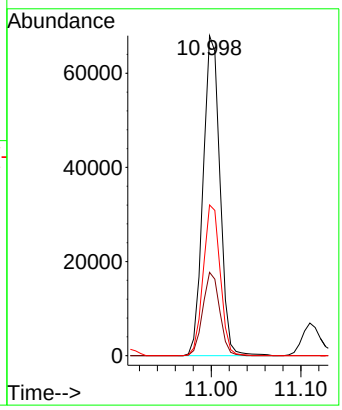


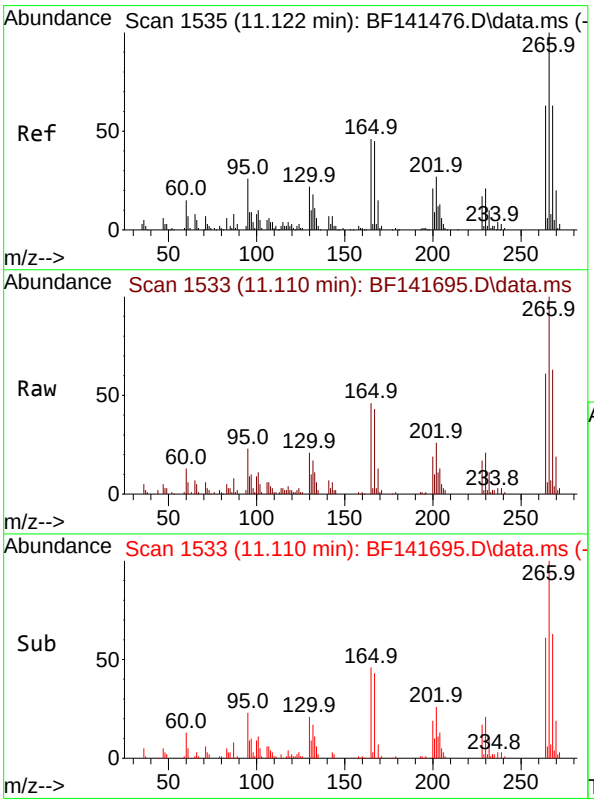
#69
Atrazine
Concen: 37.161 ng
RT: 10.998 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 88654

Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.9	45.9
215	47.1	25.9	65.9

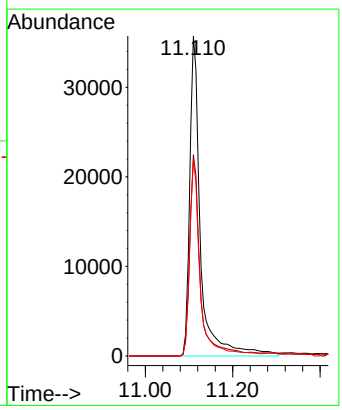


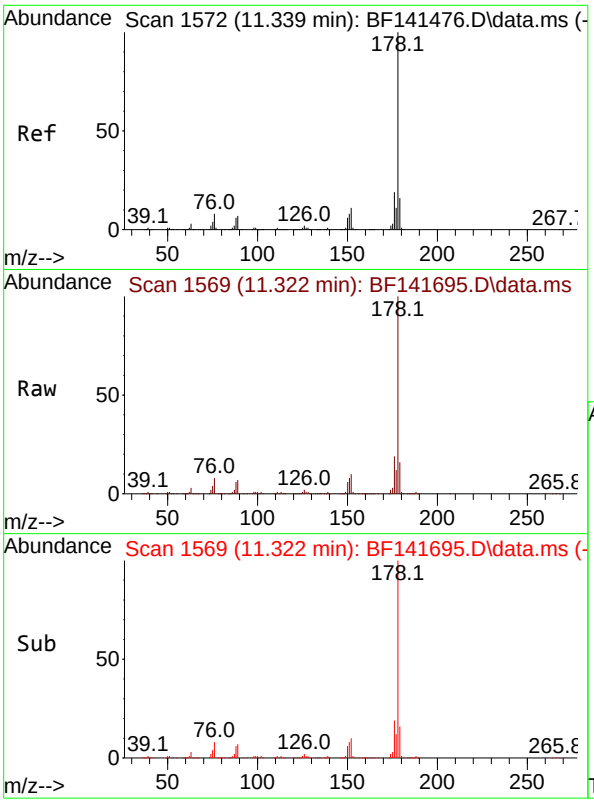


#70
Pentachlorophenol
Concen: 33.738 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:266 Resp: 61677

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.1	75.1
264	61.5	50.1	75.1



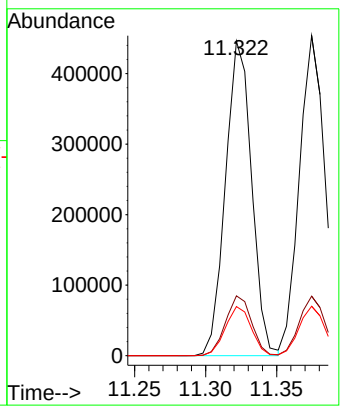


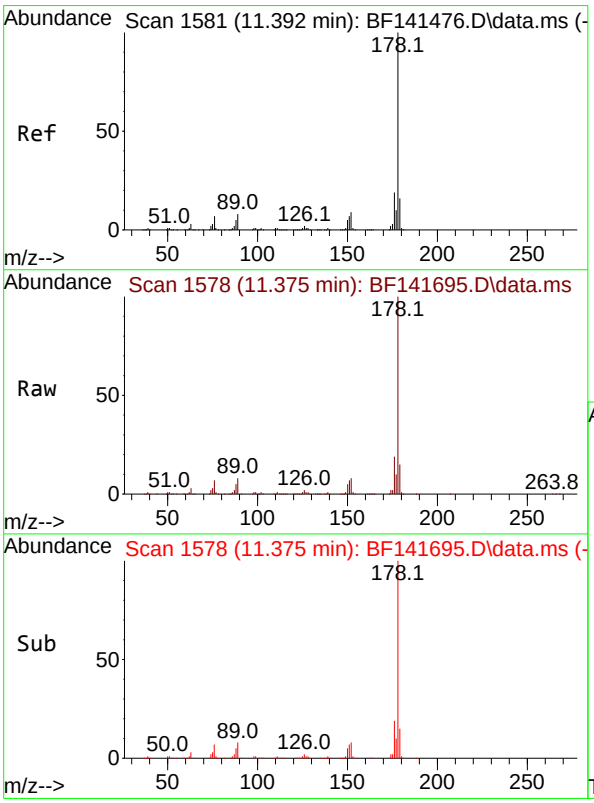
#71
Phenanthrene
Concen: 41.779 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 571312

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.6	12.4	18.6

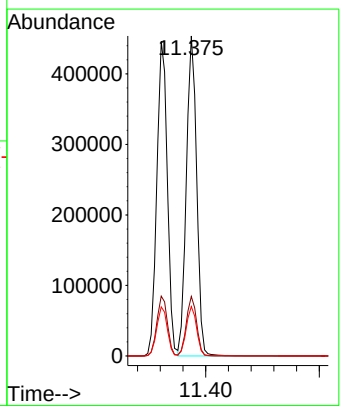


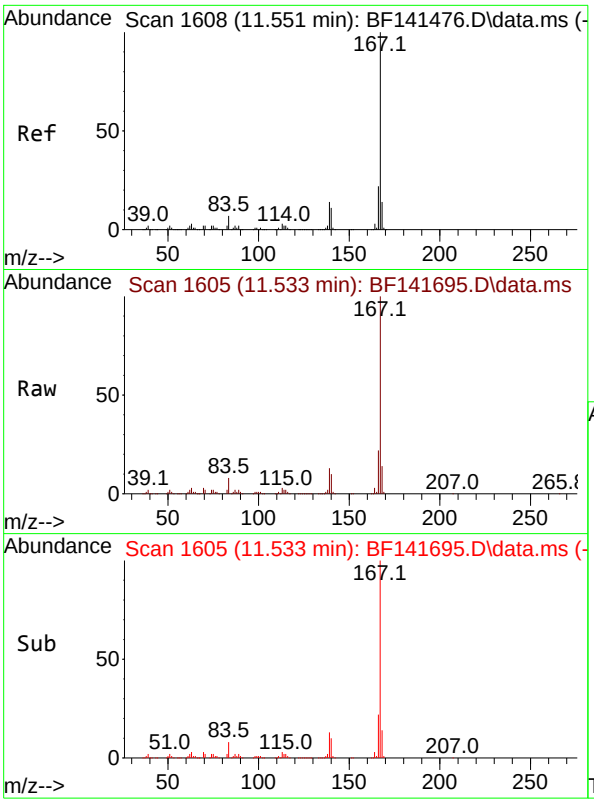


#72
Anthracene
Concen: 41.536 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:178 Resp: 570964

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.5	12.4	18.6



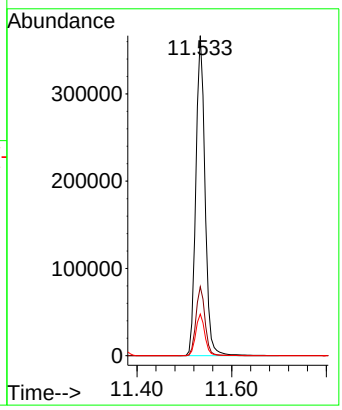


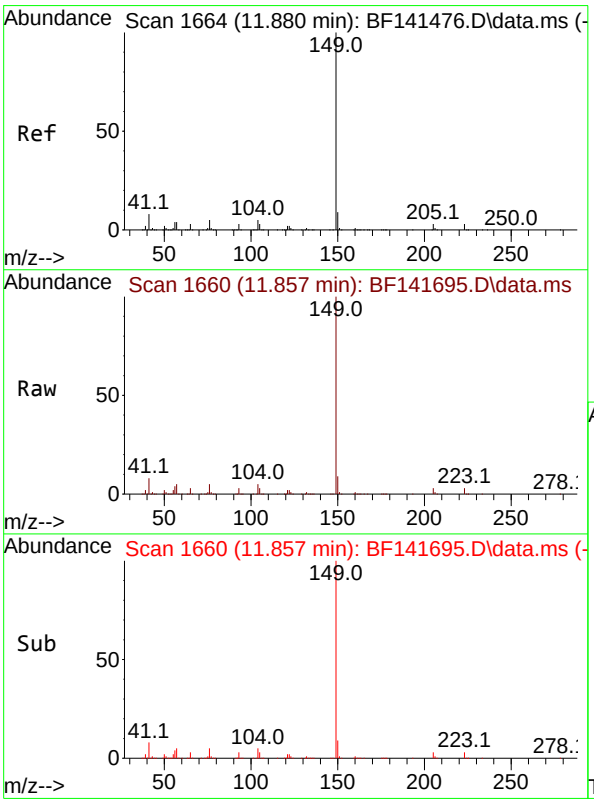
#73
Carbazole
Concen: 39.891 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 493402

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.0	10.9	16.3

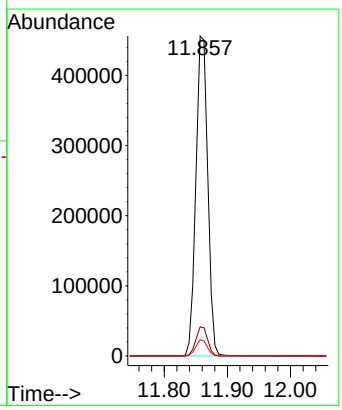


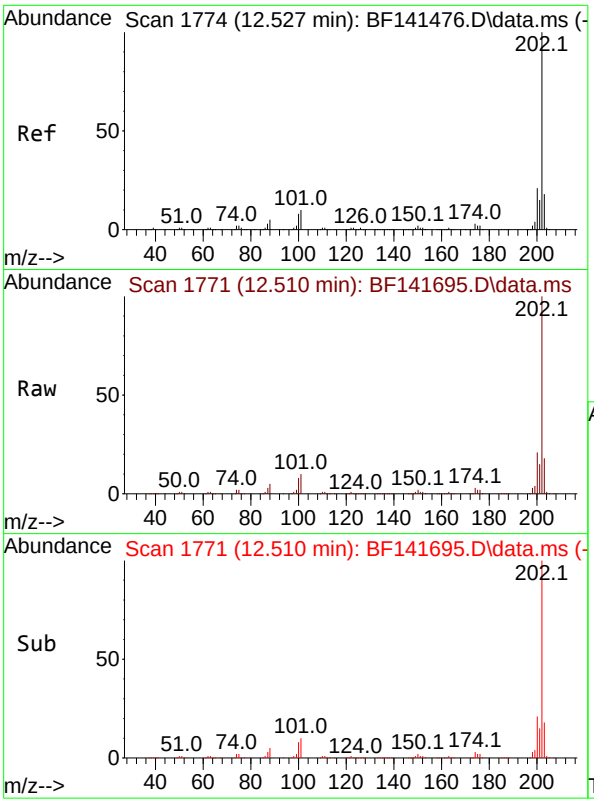


#74
Di-n-butylphthalate
Concen: 41.579 ng
RT: 11.857 min Scan# 1660
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:149 Resp: 593817

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2



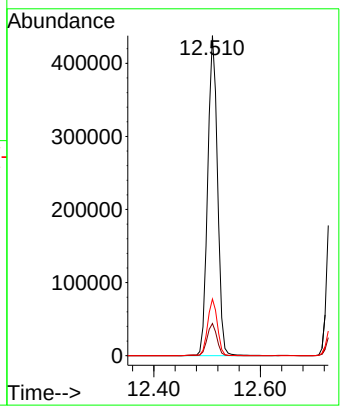


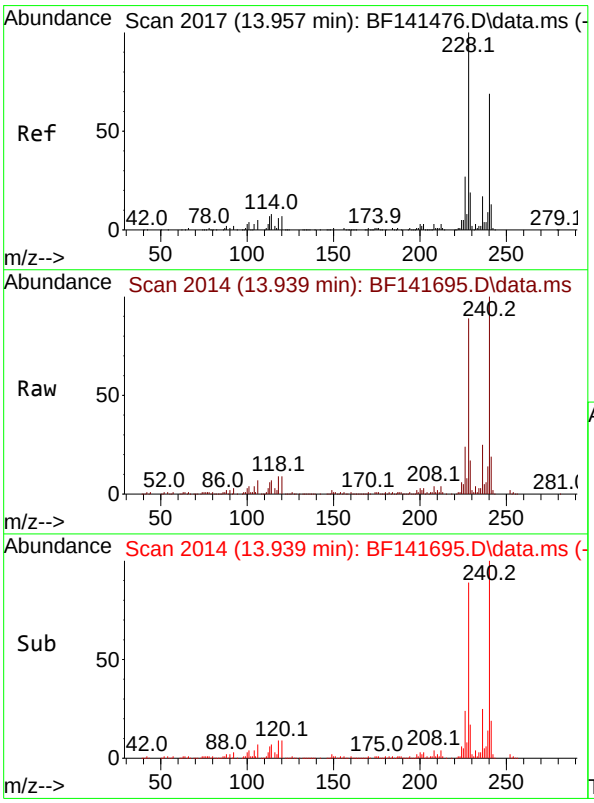
#75
Fluoranthene
Concen: 38.493 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 558059

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.7	0.0	37.6

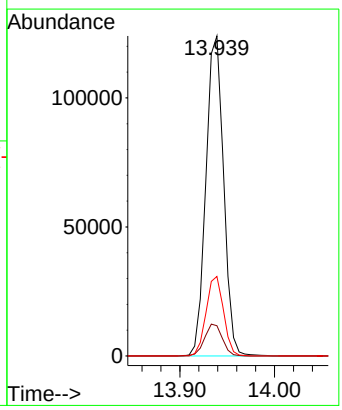


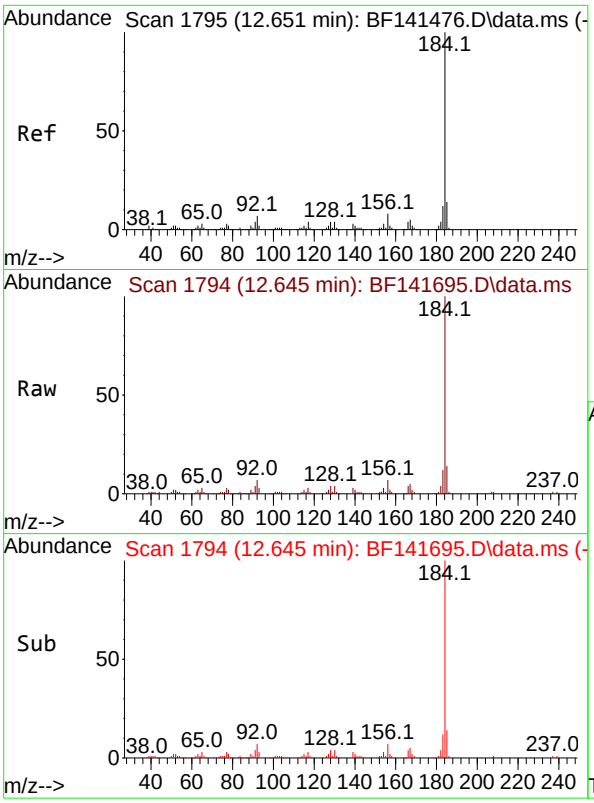


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:240 Resp: 161001

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.0	12.0
236	24.8	19.8	29.8



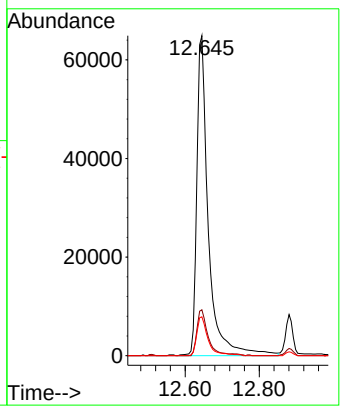


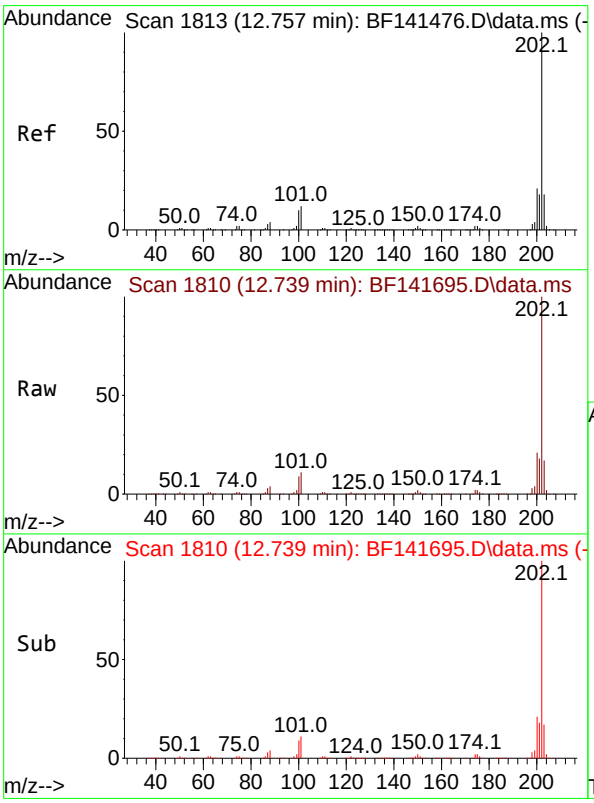
#77
Benzidine
Concen: 39.493 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 140231

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	12.2	9.3	13.9

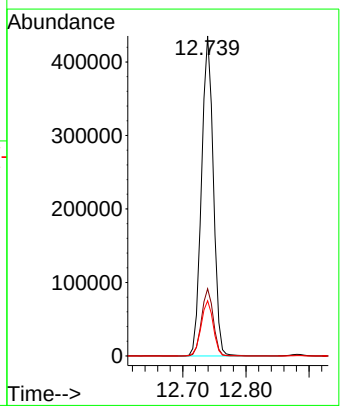


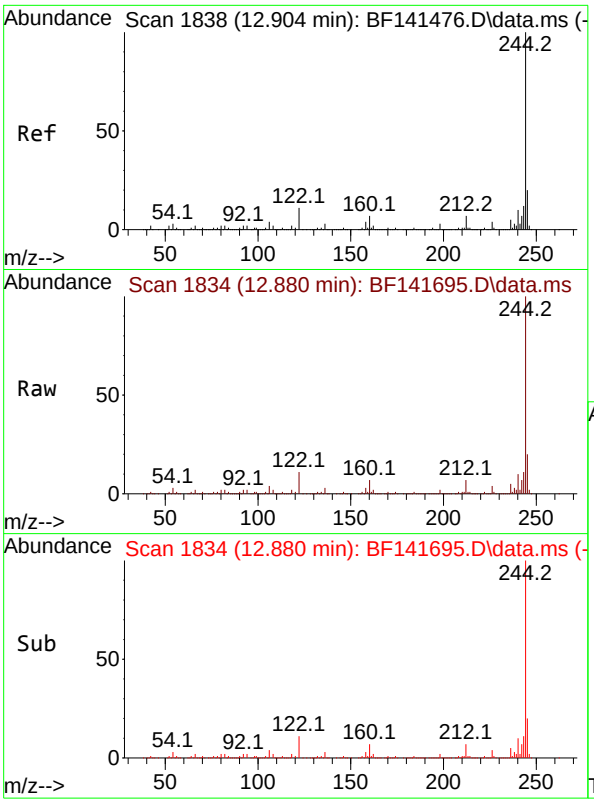


#78
Pyrene
Concen: 41.283 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:202 Resp: 565805

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.3	14.3	21.5



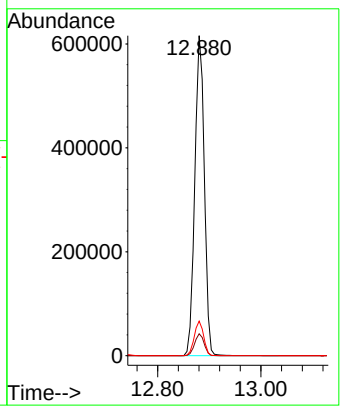


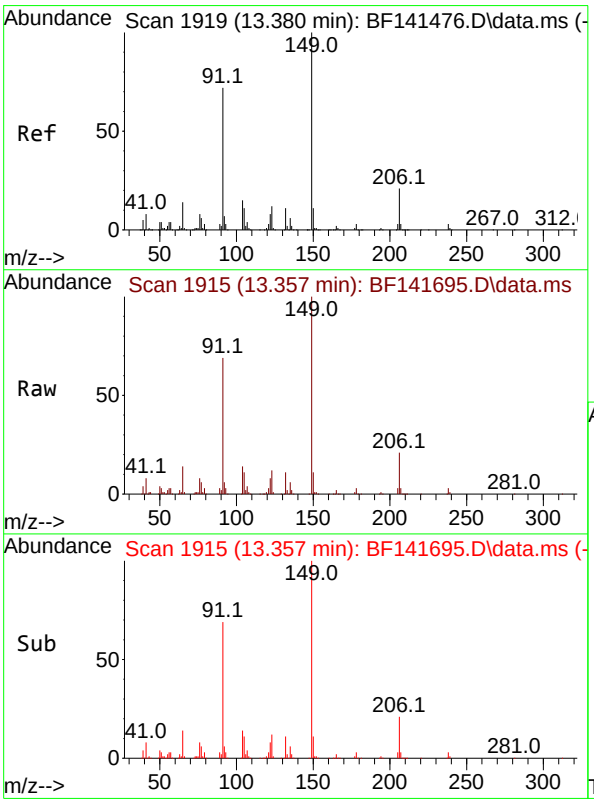
#79
Terphenyl-d14
Concen: 82.642 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 788158

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.8	8.4	12.6

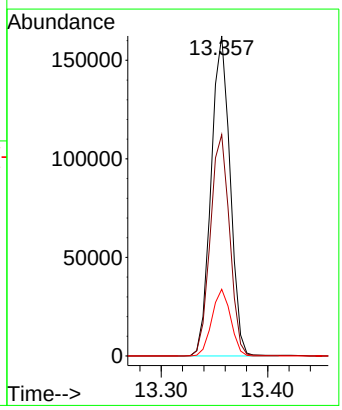


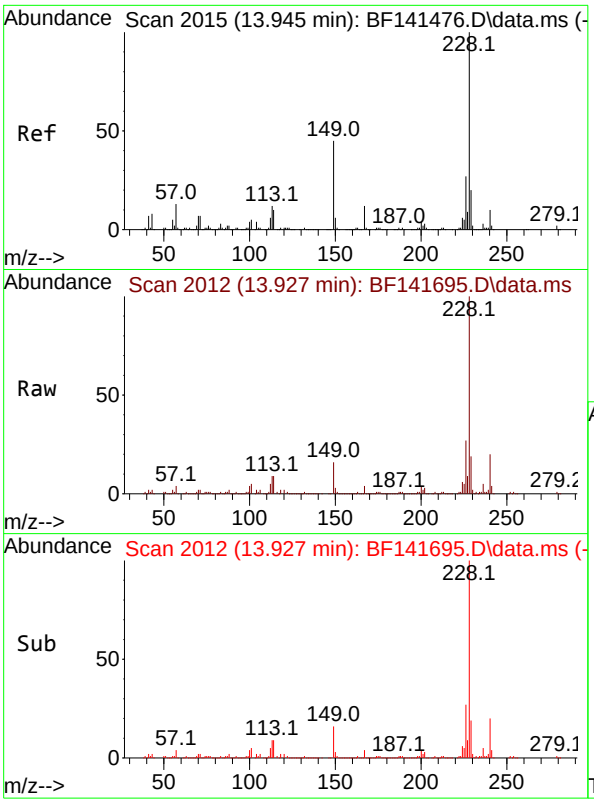


#80
Butylbenzylphthalate
Concen: 42.463 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:149 Resp: 201578

Ion	Ratio	Lower	Upper
149	100		
91	69.1	57.8	86.8
206	20.8	16.7	25.1



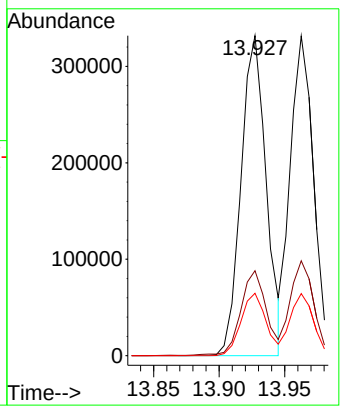


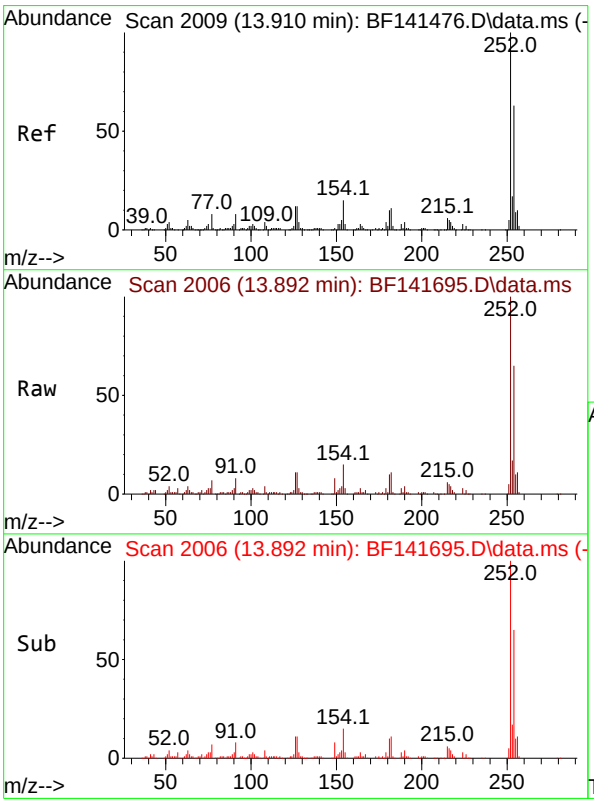
#81
Benzo(a)anthracene
Concen: 41.488 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 444019

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	19.5	15.8	23.6

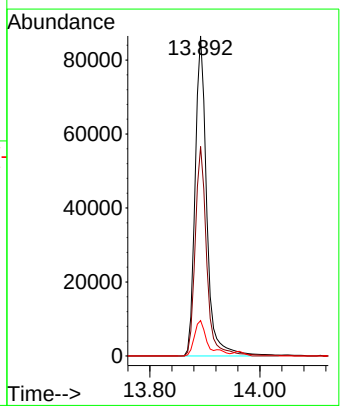


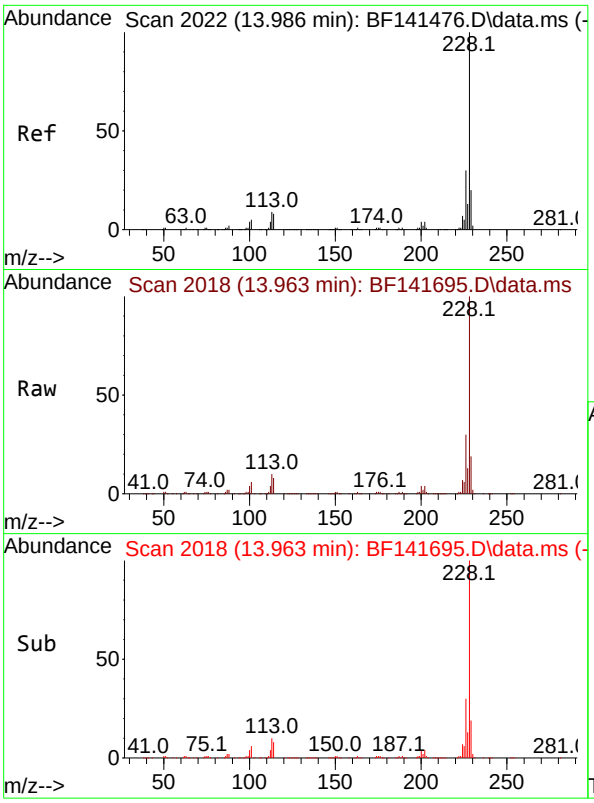


#82
3,3'-Dichlorobenzidine
Concen: 41.456 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:252 Resp: 127093

Ion	Ratio	Lower	Upper
252	100		
254	65.4	50.6	76.0
126	11.1	9.3	13.9



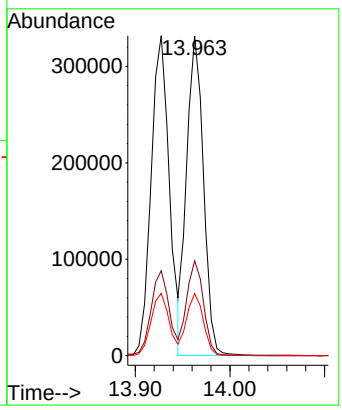


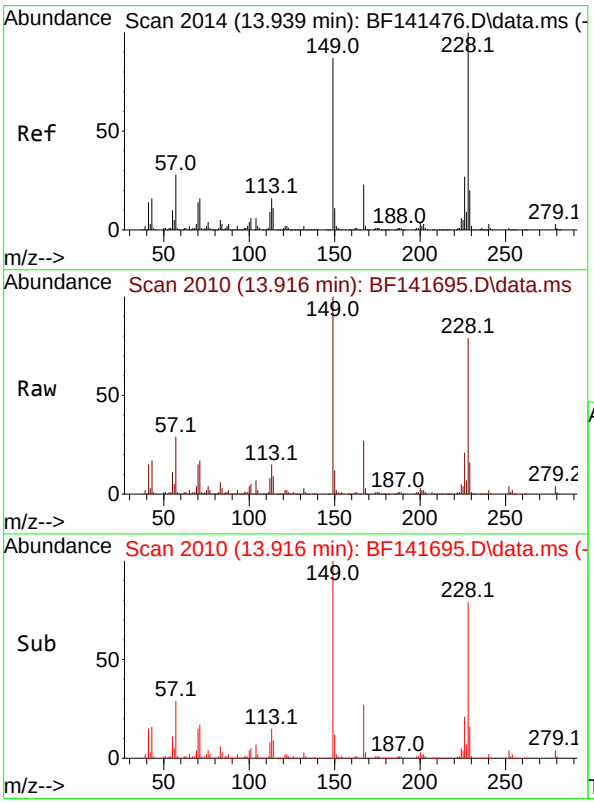
#83
Chrysene
Concen: 41.387 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 408984

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	19.4	15.7	23.5

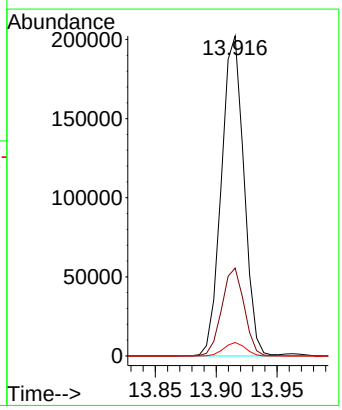


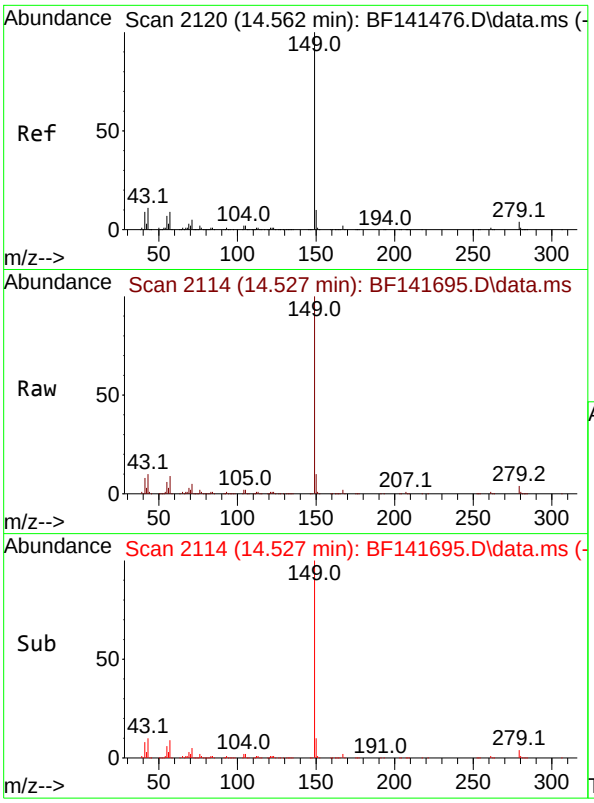


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.690 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:149 Resp: 260689

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	4.2	3.1	4.7



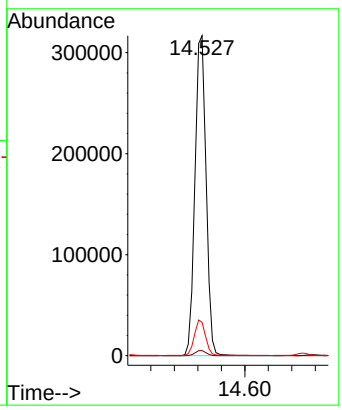


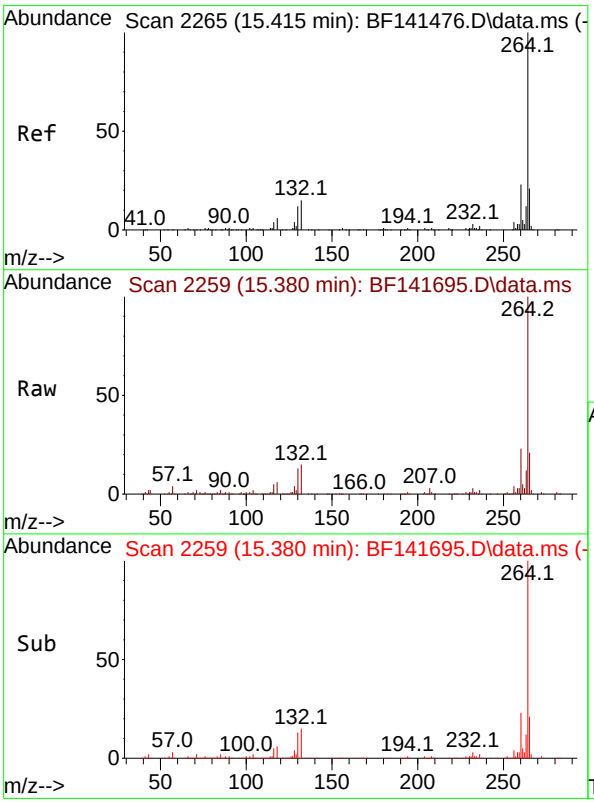
#85
Di-n-octyl phthalate
Concen: 54.621 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 417202

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.1	9.5	14.3

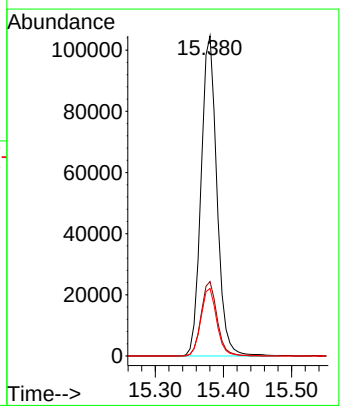


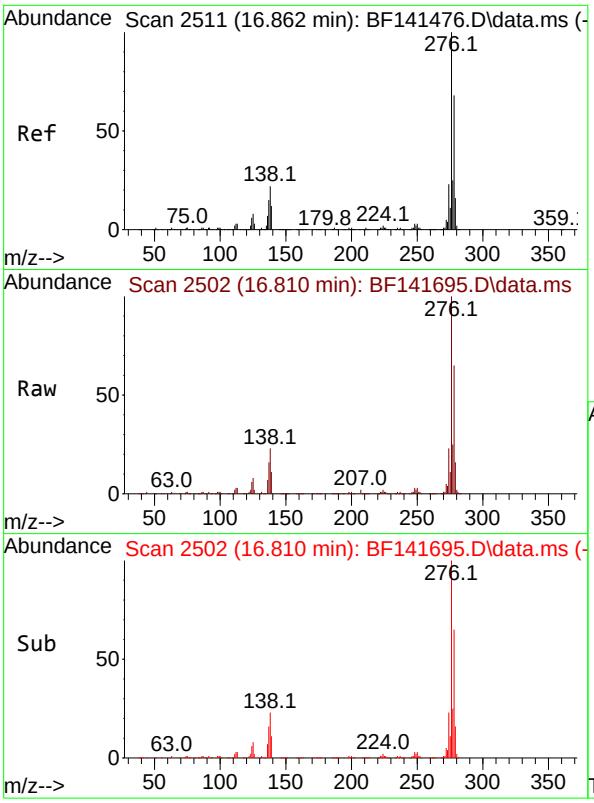


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:264 Resp: 169222

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.1	17.0	25.4



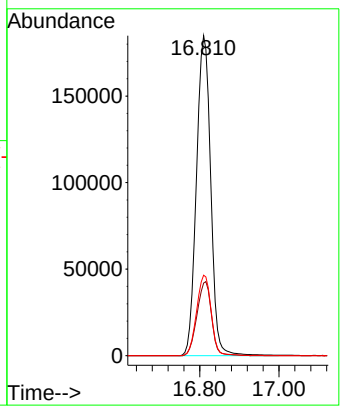


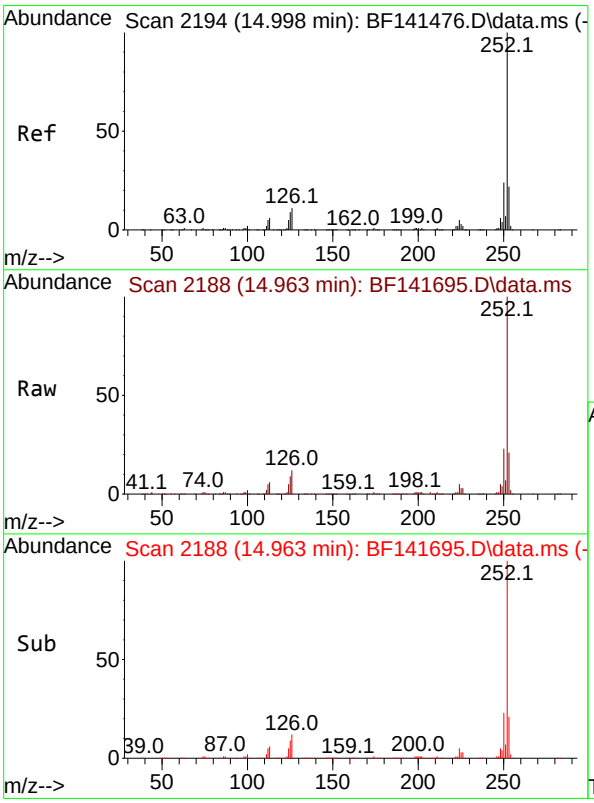
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.194 ng
RT: 16.810 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 462093

Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.6	20.4	30.6

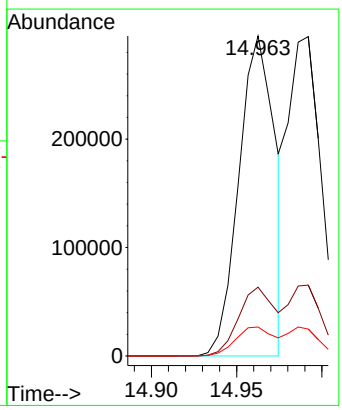


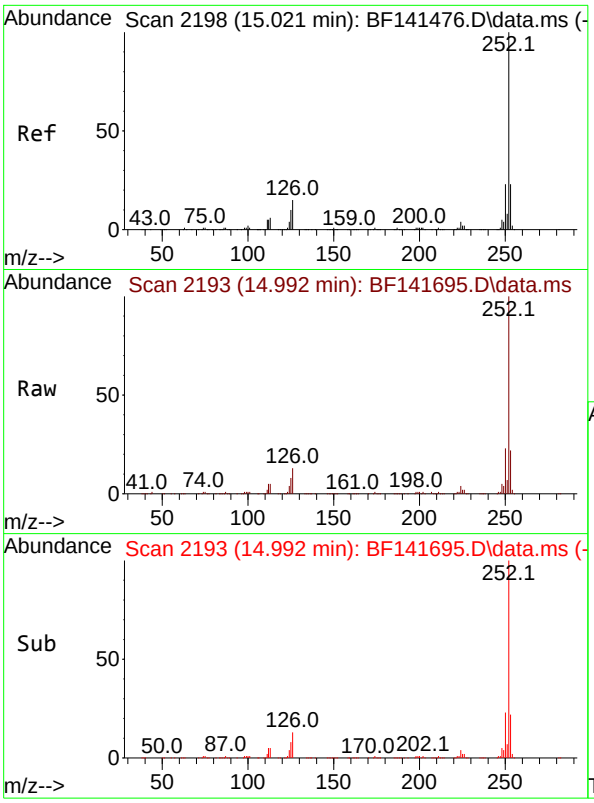


#88
Benzo(b)fluoranthene
Concen: 38.097 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:252 Resp: 432876

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.1	7.0	10.6



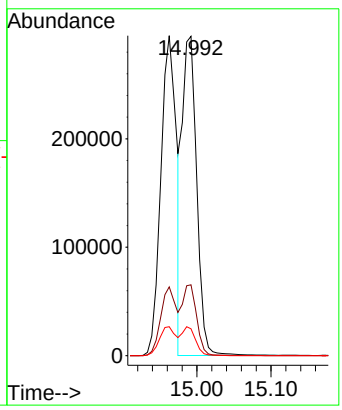


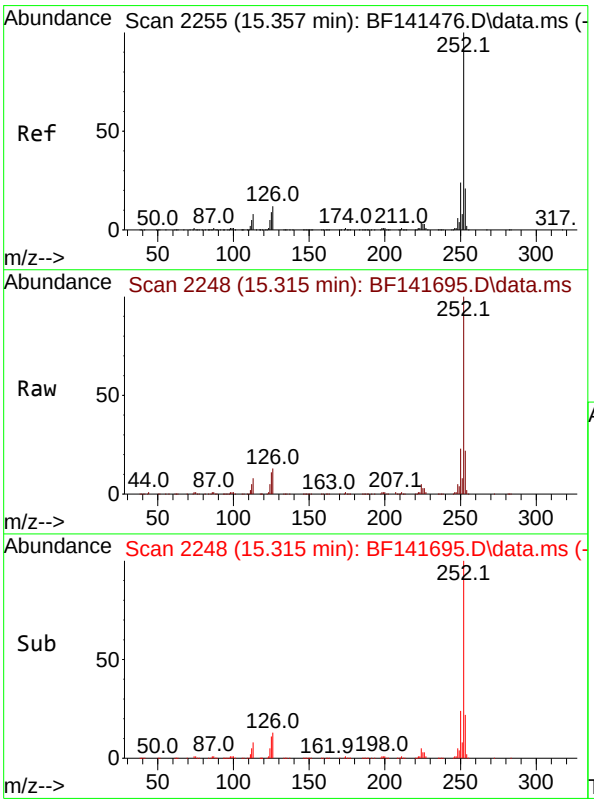
#89
Benzo(k)fluoranthene
Concen: 41.342 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 401122

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	8.4	7.4	11.0

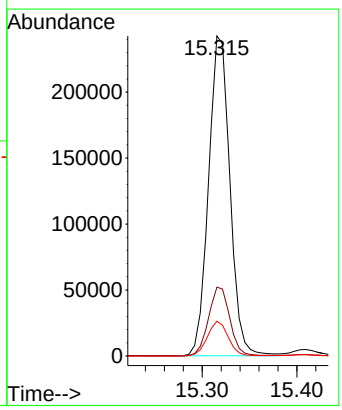


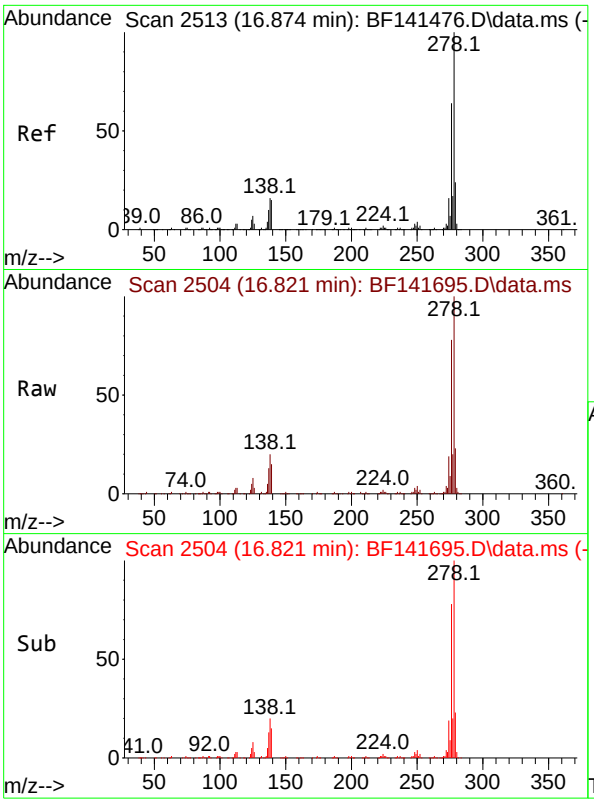


#90
Benzo(a)pyrene
Concen: 41.348 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:252 Resp: 380158

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	10.8	7.4	11.2



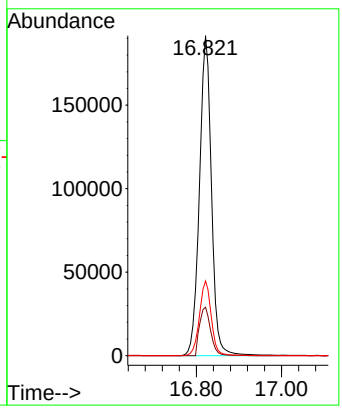


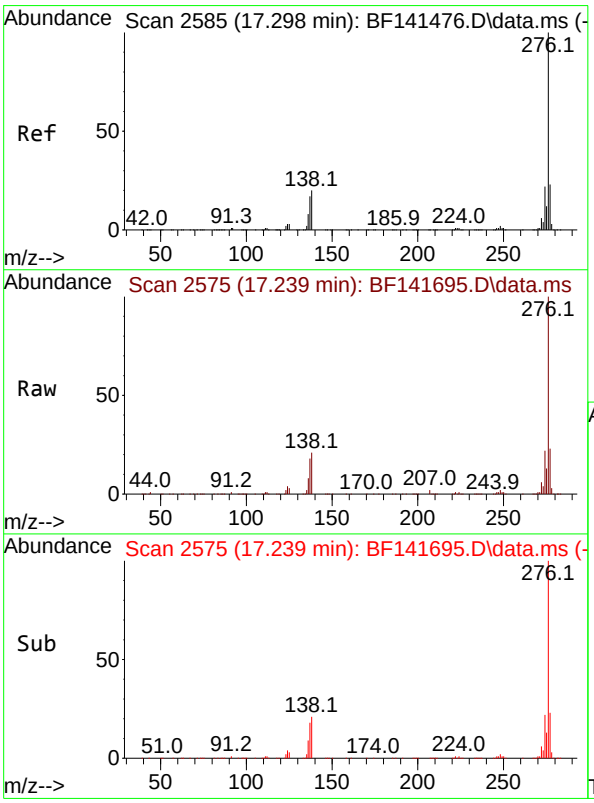
#91
Dibenzo(a,h)anthracene
Concen: 44.305 ng
RT: 16.821 min Scan# 2
Delta R.T. -0.070 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 375366

Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.8	17.6
279	23.4	19.1	28.7

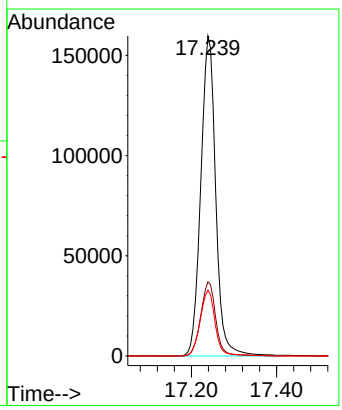




#92
Benzo(g,h,i)perylene
Concen: 43.847 ng
RT: 17.239 min Scan# 2575
Delta R.T. -0.076 min
Lab File: BF141695.D
Acq: 20 Feb 2025 10:04

Tgt Ion:276 Resp: 388751

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	20.6	15.9	23.9



Sample Results: **BF141695.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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	90	-0.01
2		1,4-Dioxane	0.513	0.561	-9.4	98	0.00
3		Pyridine	1.222	1.374	-12.4	98	-0.02
4		n-Nitrosodimethylamine	0.809	0.778	3.8	85	-0.03
5	S	2-Fluorophenol	1.276	1.380	-8.2	96	-0.01
6		Aniline	1.513	1.523	-0.7	89	-0.02
7	S	Phenol-d6	1.612	1.662	-3.1	93	-0.02
8		2-Chlorophenol	1.378	1.431	-3.8	93	-0.02
9		Benzaldehyde	0.857	0.724	15.5	79	0.00
10	C	Phenol	1.678	1.736	-3.5	93	-0.02
11		bis(2-Chloroethyl)ether	1.261	1.316	-4.4	93	-0.01
12		1,3-Dichlorobenzene	1.455	1.522	-4.6	95	-0.01
13	C	1,4-Dichlorobenzene	1.487	1.560	-4.9	95	-0.01
14		1,2-Dichlorobenzene	1.380	1.446	-4.8	95	-0.01
15		Benzyl Alcohol	1.236	1.221	1.2	87	-0.01
16		2,2'-oxybis(1-Chloropropane	2.158	2.094	3.0	87	-0.01
17		2-Methylphenol	1.079	1.097	-1.7	92	-0.01
18		Hexachloroethane	0.550	0.571	-3.8	93	-0.01
19	P	n-Nitroso-di-n-propylamine	0.964	0.951	1.3	88	-0.02
20		3+4-Methylphenols	1.371	1.417	-3.4	93	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	88	-0.01
22		Acetophenone	0.498	0.512	-2.8	91	-0.02
23	S	Nitrobenzene-d5	0.383	0.389	-1.6	89	-0.02
24		Nitrobenzene	0.374	0.381	-1.9	89	-0.01
25		Isophorone	0.611	0.619	-1.3	89	-0.02
26	C	2-Nitrophenol	0.186	0.198	-6.5	90	-0.01
27		2,4-Dimethylphenol	0.217	0.230	-6.0	90	-0.01
28		bis(2-Chloroethoxy)methane	0.392	0.410	-4.6	91	-0.01
29	C	2,4-Dichlorophenol	0.294	0.309	-5.1	91	-0.01
30		1,2,4-Trichlorobenzene	0.320	0.338	-5.6	93	-0.01
31		Naphthalene	1.041	1.079	-3.7	91	-0.01
32		Benzoic acid	0.226	0.184	18.6	70	-0.04
33		4-Chloroaniline	0.363	0.376	-3.6	91	-0.02
34	C	Hexachlorobutadiene	0.192	0.202	-5.2	92	-0.01
35		Caprolactam	0.089	0.084	5.6	79	-0.04
36	C	4-Chloro-3-methylphenol	0.325	0.325	0.0	86	-0.02
37		2-Methylnaphthalene	0.677	0.688	-1.6	90	-0.01
38		1-Methylnaphthalene	0.656	0.660	-0.6	88	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.579	0.628	-8.5	89	-0.01
41	P	Hexachlorocyclopentadiene	0.192	0.256	-33.3#	104	-0.01
42	S	2,4,6-Tribromophenol	0.201	0.194	3.5	80	-0.02
43	C	2,4,6-Trichlorophenol	0.374	0.392	-4.8	86	-0.01
44		2,4,5-Trichlorophenol	0.405	0.418	-3.2	84	-0.01
45	S	2-Fluorobiphenyl	1.298	1.374	-5.9	89	-0.01
46		1,1'-Biphenyl	1.551	1.664	-7.3	89	-0.02
47		2-Chloronaphthalene	1.147	1.209	-5.4	88	-0.02

Sample Results: **BF141695.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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	0.382	0.8	81	-0.02
49		Acenaphthylene	1.705	1.774	-4.0	86	-0.02
50		Dimethylphthalate	1.358	1.410	-3.8	87	-0.02
51		2,6-Dinitrotoluene	0.297	0.306	-3.0	84	-0.02
52	C	Acenaphthene	1.147	1.173	-2.3	84	-0.02
53		3-Nitroaniline	0.319	0.305	4.4	79	-0.02
54	P	2,4-Dinitrophenol	0.176	0.150	14.8	70	-0.02
55		Dibenzofuran	1.683	1.709	-1.5	84	-0.02
56	P	4-Nitrophenol	0.237	0.277	-16.9	92	-0.02
57		2,4-Dinitrotoluene	0.395	0.391	1.0	81	-0.02
58		Fluorene	1.301	1.309	-0.6	84	-0.02
59		2,3,4,6-Tetrachlorophenol	0.349	0.348	0.3	83	-0.02
60		Diethylphthalate	1.336	1.350	-1.0	84	-0.02
61		4-Chlorophenyl-phenylether	0.626	0.654	-4.5	87	-0.02
62		4-Nitroaniline	0.324	0.285	12.0	70	-0.03
63		Azobenzene	1.328	1.310	1.4	82	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	74	-0.02
65		4,6-Dinitro-2-methylphenol	0.139	0.133	4.3	69	-0.02
66	c	n-Nitrosodiphenylamine	0.640	0.710	-10.9	84	-0.02
67		4-Bromophenyl-phenylether	0.224	0.248	-10.7	83	-0.02
68		Hexachlorobenzene	0.230	0.255	-10.9	83	-0.02
69		Atrazine	0.192	0.178	7.3	71	-0.02
70	C	Pentachlorophenol	0.147	0.124	15.6	59	-0.02
71		Phenanthrene	1.101	1.150	-4.5	78	-0.02
72		Anthracene	1.107	1.149	-3.8	78	-0.02
73		Carbazole	0.996	0.993	0.3	74	-0.02
74		Di-n-butylphthalate	1.150	1.195	-3.9	77	-0.02
75	C	Fluoranthene	1.167	1.123	3.8	72	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	71	-0.02
77		Benzidine	0.441	0.435	1.4	59	-0.01
78		Pyrene	1.703	1.757	-3.2	72	-0.02
79	S	Terphenyl-d14	1.185	1.224	-3.3	73	-0.02
80		Butylbenzylphthalate	0.590	0.626	-6.1	73	-0.02
81		Benzo(a)anthracene	1.329	1.379	-3.8	73	-0.02
82		3,3'-Dichlorobenzidine	0.381	0.395	-3.7	75	-0.02
83		Chrysene	1.228	1.270	-3.4	76	-0.03
84		Bis(2-ethylhexyl)phthalate	0.665	0.810	-21.8	84	-0.02
85	c	Di-n-octyl phthalate	0.949	1.296	-36.6#	96	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	93	-0.04
87		Indeno(1,2,3-cd)pyrene	1.236	1.365	-10.4	98	-0.06
88		Benzo(b)fluoranthene	1.343	1.279	4.8	89	-0.04
89		Benzo(k)fluoranthene	1.147	1.185	-3.3	96	-0.04
90	C	Benzo(a)pyrene	1.087	1.123	-3.3	96	-0.05
91		Dibenzo(a,h)anthracene	1.001	1.109	-10.8	98	-0.07
92		Benzo(g,h,i)perylene	1.048	1.149	-9.6	97	-0.08

Sample Results: **BF141695.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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 = 1

Sample Results: **BF141695.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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	90	-0.01
2		1,4-Dioxane	40.000	43.709	-9.3	98	0.00
3		Pyridine	40.000	44.997	-12.5	98	-0.02
4		n-Nitrosodimethylamine	40.000	38.455	3.9	85	-0.03
5	S	2-Fluorophenol	80.000	86.515	-8.1	96	-0.01
6		Aniline	40.000	40.286	-0.7	89	-0.02
7	S	Phenol-d6	80.000	82.437	-3.0	93	-0.02
8		2-Chlorophenol	40.000	41.512	-3.8	93	-0.02
9		Benzaldehyde	40.000	33.808	15.5	79	0.00
10	C	Phenol	40.000	41.388	-3.5	93	-0.02
11		bis(2-Chloroethyl)ether	40.000	41.755	-4.4	93	-0.01
12		1,3-Dichlorobenzene	40.000	41.838	-4.6	95	-0.01
13	C	1,4-Dichlorobenzene	40.000	41.961	-4.9	95	-0.01
14		1,2-Dichlorobenzene	40.000	41.908	-4.8	95	-0.01
15		Benzyl Alcohol	40.000	39.484	1.3	87	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.813	3.0	87	-0.01
17		2-Methylphenol	40.000	40.694	-1.7	92	-0.01
18		Hexachloroethane	40.000	41.531	-3.8	93	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	39.454	1.4	88	-0.02
20		3+4-Methylphenols	40.000	41.345	-3.4	93	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	88	-0.01
22		Acetophenone	40.000	41.187	-3.0	91	-0.02
23	S	Nitrobenzene-d5	80.000	81.146	-1.4	89	-0.02
24		Nitrobenzene	40.000	40.770	-1.9	89	-0.01
25		Isophorone	40.000	40.520	-1.3	89	-0.02
26	C	2-Nitrophenol	40.000	42.562	-6.4	90	-0.01
27		2,4-Dimethylphenol	40.000	42.378	-5.9	90	-0.01
28		bis(2-Chloroethoxy)methane	40.000	41.822	-4.6	91	-0.01
29	C	2,4-Dichlorophenol	40.000	42.143	-5.4	91	-0.01
30		1,2,4-Trichlorobenzene	40.000	42.270	-5.7	93	-0.01
31		Naphthalene	40.000	41.464	-3.7	91	-0.01
32		Benzoic acid	40.000	32.679	18.3	70	-0.04
33		4-Chloroaniline	40.000	41.388	-3.5	91	-0.02
34	C	Hexachlorobutadiene	40.000	42.062	-5.2	92	-0.01
35		Caprolactam	40.000	37.579	6.1	79	-0.04
36	C	4-Chloro-3-methylphenol	40.000	39.930	0.2	86	-0.02
37		2-Methylnaphthalene	40.000	40.648	-1.6	90	-0.01
38		1-Methylnaphthalene	40.000	40.213	-0.5	88	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	43.401	-8.5	89	-0.01
41	P	Hexachlorocyclopentadiene	40.000	53.235	-33.1#	104	-0.01
42	S	2,4,6-Tribromophenol	80.000	77.112	3.6	80	-0.02
43	C	2,4,6-Trichlorophenol	40.000	41.944	-4.9	86	-0.01
44		2,4,5-Trichlorophenol	40.000	41.300	-3.2	84	-0.01
45	S	2-Fluorobiphenyl	80.000	84.645	-5.8	89	-0.01
46		1,1'-Biphenyl	40.000	42.938	-7.3	89	-0.02
47		2-Chloronaphthalene	40.000	42.166	-5.4	88	-0.02

Sample Results: **BF141695.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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	39.668	0.8	81	-0.02
49		Acenaphthylene	40.000	41.606	-4.0	86	-0.02
50		Dimethylphthalate	40.000	41.539	-3.8	87	-0.02
51		2,6-Dinitrotoluene	40.000	41.195	-3.0	84	-0.02
52	C	Acenaphthene	40.000	40.925	-2.3	84	-0.02
53		3-Nitroaniline	40.000	38.218	4.5	79	-0.02
54	P	2,4-Dinitrophenol	40.000	34.122	14.7	70	-0.02
55		Dibenzofuran	40.000	40.628	-1.6	84	-0.02
56	P	4-Nitrophenol	40.000	46.699	-16.7	92	-0.02
57		2,4-Dinitrotoluene	40.000	39.592	1.0	81	-0.02
58		Fluorene	40.000	40.252	-0.6	84	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	39.913	0.2	83	-0.02
60		Diethylphthalate	40.000	40.438	-1.1	84	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.781	-4.5	87	-0.02
62		4-Nitroaniline	40.000	35.163	12.1	70	-0.03
63		Azobenzene	40.000	39.443	1.4	82	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	74	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	38.194	4.5	69	-0.02
66	c	n-Nitrosodiphenylamine	40.000	44.369	-10.9	84	-0.02
67		4-Bromophenyl-phenylether	40.000	44.322	-10.8	83	-0.02
68		Hexachlorobenzene	40.000	44.357	-10.9	83	-0.02
69		Atrazine	40.000	37.161	7.1	71	-0.02
70	C	Pentachlorophenol	40.000	33.738	15.7	59	-0.02
71		Phenanthrene	40.000	41.779	-4.4	78	-0.02
72		Anthracene	40.000	41.536	-3.8	78	-0.02
73		Carbazole	40.000	39.891	0.3	74	-0.02
74		Di-n-butylphthalate	40.000	41.579	-3.9	77	-0.02
75	C	Fluoranthene	40.000	38.493	3.8	72	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	71	-0.02
77		Benzidine	40.000	39.493	1.3	59	-0.01
78		Pyrene	40.000	41.283	-3.2	72	-0.02
79	S	Terphenyl-d14	80.000	82.642	-3.3	73	-0.02
80		Butylbenzylphthalate	40.000	42.463	-6.2	73	-0.02
81		Benzo(a)anthracene	40.000	41.488	-3.7	73	-0.02
82		3,3'-Dichlorobenzidine	40.000	41.456	-3.6	75	-0.02
83		Chrysene	40.000	41.387	-3.5	76	-0.03
84		Bis(2-ethylhexyl)phthalate	40.000	48.690	-21.7	84	-0.02
85	c	Di-n-octyl phthalate	40.000	54.621	-36.6#	96	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	93	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	44.194	-10.5	98	-0.06
88		Benzo(b)fluoranthene	40.000	38.097	4.8	89	-0.04
89		Benzo(k)fluoranthene	40.000	41.342	-3.4	96	-0.04
90	C	Benzo(a)pyrene	40.000	41.348	-3.4	96	-0.05
91		Dibenzo(a,h)anthracene	40.000	44.305	-10.8	98	-0.07
92		Benzo(g,h,i)perylene	40.000	43.847	-9.6	97	-0.08

Sample Results: **BF141695.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141695.D
Acq On : 20 Feb 2025 10:04
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 11:25:15 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 = 1

Raw Data: **BF141707.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1383 SAS No.: Q1383 SDG No.: Q1383

Instrument ID: BNA_F Calibration Date/Time: 02/20/2025 17:09

Lab File ID: BF141707.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040EC 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	1.341		5.1	50.0
Phenol-d6	1.612	1.636		1.5	50.0
Nitrobenzene-d5	0.383	0.381		-0.5	50.0
Naphthalene	1.041	1.043		0.2	50.0
2-Methylnaphthalene	0.677	0.677		0.0	50.0
2-Fluorobiphenyl	1.298	1.328		2.3	50.0
Acenaphthylene	1.705	1.716		0.6	50.0
Acenaphthene	1.147	1.129		-1.6	50.0
Fluorene	1.301	1.292		-0.7	50.0
2,4,6-Tribromophenol	0.201	0.199		-1.0	50.0
Phenanthrene	1.101	1.103		0.2	50.0
Anthracene	1.107	1.115		0.7	50.0
Fluoranthene	1.167	1.096		-6.1	50.0
Pyrene	1.703	1.777		4.3	50.0
Terphenyl-d14	1.185	1.233		4.1	50.0
Benzo(a)anthracene	1.329	1.309		-1.5	50.0
Chrysene	1.228	1.269		3.3	50.0
Benzo(b)fluoranthene	1.343	1.368		1.9	50.0
Benzo(k)fluoranthene	1.147	1.029		-10.3	50.0
Benzo(a)pyrene	1.087	1.086		-0.1	50.0
Indeno(1,2,3-cd)pyrene	1.236	1.352		9.4	50.0
Dibenzo(a,h)anthracene	1.001	1.096		9.5	50.0
Benzo(g,h,i)perylene	1.048	1.157		10.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 20 17:37:12 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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87869	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	346295	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	185494	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	301785	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	183935	20.000	ng	-0.02
86) Perylene-d12	15.380	264	180639	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	471409	84.108	ng	-0.01
7) Phenol-d6	6.422	99	575085	81.181	ng	-0.02
23) Nitrobenzene-d5	7.345	82	527762	79.490	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	147468	79.140	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	985125	81.821	ng	-0.01
79) Terphenyl-d14	12.880	244	906822	83.229	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	93278	41.350	ng	98
3) Pyridine	3.199	79	232077	43.234	ng	95
4) n-Nitrosodimethylamine	3.157	42	134182	37.751	ng	92
6) Aniline	6.446	93	262064	39.437	ng	95
8) 2-Chlorophenol	6.569	128	249942	41.270	ng	98
9) Benzaldehyde	6.334	77	148908	39.556	ng	100
10) Phenol	6.440	94	302192	40.986	ng	97
11) bis(2-Chloroethyl)ether	6.522	93	227648	41.107	ng	98
12) 1,3-Dichlorobenzene	6.722	146	266673	41.709	ng	98
13) 1,4-Dichlorobenzene	6.798	146	273983	41.942	ng	98
14) 1,2-Dichlorobenzene	6.951	146	256300	42.273	ng	99
15) Benzyl Alcohol	6.928	79	213133	39.234	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.057	45	361962	38.182	ng	79
17) 2-Methylphenol	7.045	107	191673	40.443	ng	99
18) Hexachloroethane	7.293	117	100107	41.408	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	170070	40.136	ng	95
20) 3+4-Methylphenols	7.198	107	246595	40.942	ng	95
22) Acetophenone	7.193	105	347556	40.347	ng	95
24) Nitrobenzene	7.369	77	256961	39.690	ng	97
25) Isophorone	7.604	82	426628	40.300	ng	98
26) 2-Nitrophenol	7.681	139	135698	42.129	ng	94
27) 2,4-Dimethylphenol	7.722	122	156138	41.495	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	279268	41.169	ng	99
29) 2,4-Dichlorophenol	7.928	162	208070	40.925	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	229310	41.418	ng	98
31) Naphthalene	8.087	128	722374	40.074	ng	100
32) Benzoic acid	7.857	122	133290	34.103	ng	96
33) 4-Chloroaniline	8.140	127	253295	40.247	ng	98
34) Hexachlorobutadiene	8.198	225	136759	41.146	ng	99
35) Caprolactam	8.504	113	62600m	40.440	ng	
36) 4-Chloro-3-methylphenol	8.628	107	223621	39.707	ng	98
37) 2-Methylnaphthalene	8.775	142	468555	39.945	ng	100
38) 1-Methylnaphthalene	8.875	142	452107	39.795	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	222151	41.395	ng	99
41) Hexachlorocyclopentadiene	8.928	237	92852	52.019	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	141705	40.855	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

Quant Time: Feb 20 17:37:12 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	9.104	196	152182	40.484	ng	98
46) 1,1'-Biphenyl	9.239	154	589083	40.963	ng	100
47) 2-Chloronaphthalene	9.263	162	436372	41.034	ng	99
48) 2-Nitroaniline	9.363	65	140428	39.348	ng	98
49) Acenaphthylene	9.675	152	636570	40.245	ng	99
50) Dimethylphthalate	9.539	163	517733	41.114	ng	99
51) 2,6-Dinitrotoluene	9.604	165	113320	41.165	ng	99
52) Acenaphthene	9.851	154	418833	39.387	ng	99
53) 3-Nitroaniline	9.775	138	113925	38.451	ng	99
54) 2,4-Dinitrophenol	9.892	184	64268	39.281	ng	87
55) Dibenzofuran	10.022	168	619287	39.676	ng	99
56) 4-Nitrophenol	9.951	139	128362	58.361	ng	91
57) 2,4-Dinitrotoluene	10.010	165	148187	40.436	ng	100
58) Fluorene	10.363	166	479194	39.706	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	130431	40.303	ng	95
60) Diethylphthalate	10.239	149	498264	40.216	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	234915	40.461	ng	98
62) 4-Nitroaniline	10.392	138	110495	36.727	ng	94
63) Azobenzene	10.516	77	474593	38.532	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	82013	39.122	ng	92
66) n-Nitrosodiphenylamine	10.475	169	412415	42.691	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	141384	41.918	ng	99
68) Hexachlorobenzene	10.910	284	146904	42.297	ng	100
69) Atrazine	11.004	200	105755	36.491	ng	98
70) Pentachlorophenol	11.110	266	87169	39.252	ng	99
71) Phenanthrene	11.328	178	665850	40.083	ng	99
72) Anthracene	11.375	178	672708	40.284	ng	100
73) Carbazole	11.533	167	588101	39.140	ng	100
74) Di-n-butylphthalate	11.863	149	705215	40.647	ng	100
75) Fluoranthene	12.510	202	661652	37.569	ng	99
77) Benzidine	12.639	184	182580	45.009	ng	100
78) Pyrene	12.739	202	653830	41.757	ng	100
80) Butylbenzylphthalate	13.357	149	229665	42.347	ng	99
81) Benzo(a)anthracene	13.927	228	481502	39.381	ng	100
82) 3,3'-Dichlorobenzidine	13.892	252	146078	41.708	ng	99
83) Chrysene	13.963	228	466703	41.339	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	292300	47.787	ng	99
85) Di-n-octyl phthalate	14.527	149	457690	52.451	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	488391	43.757	ng	99
88) Benzo(b)fluoranthene	14.963	252	494368	40.759	ng	99
89) Benzo(k)fluoranthene	14.992	252	371796	35.898	ng	98
90) Benzo(a)pyrene	15.321	252	392343	39.976	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	396017	43.788	ng	99
92) Benzo(g,h,i)perylene	17.245	276	417878	44.154	ng	99

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

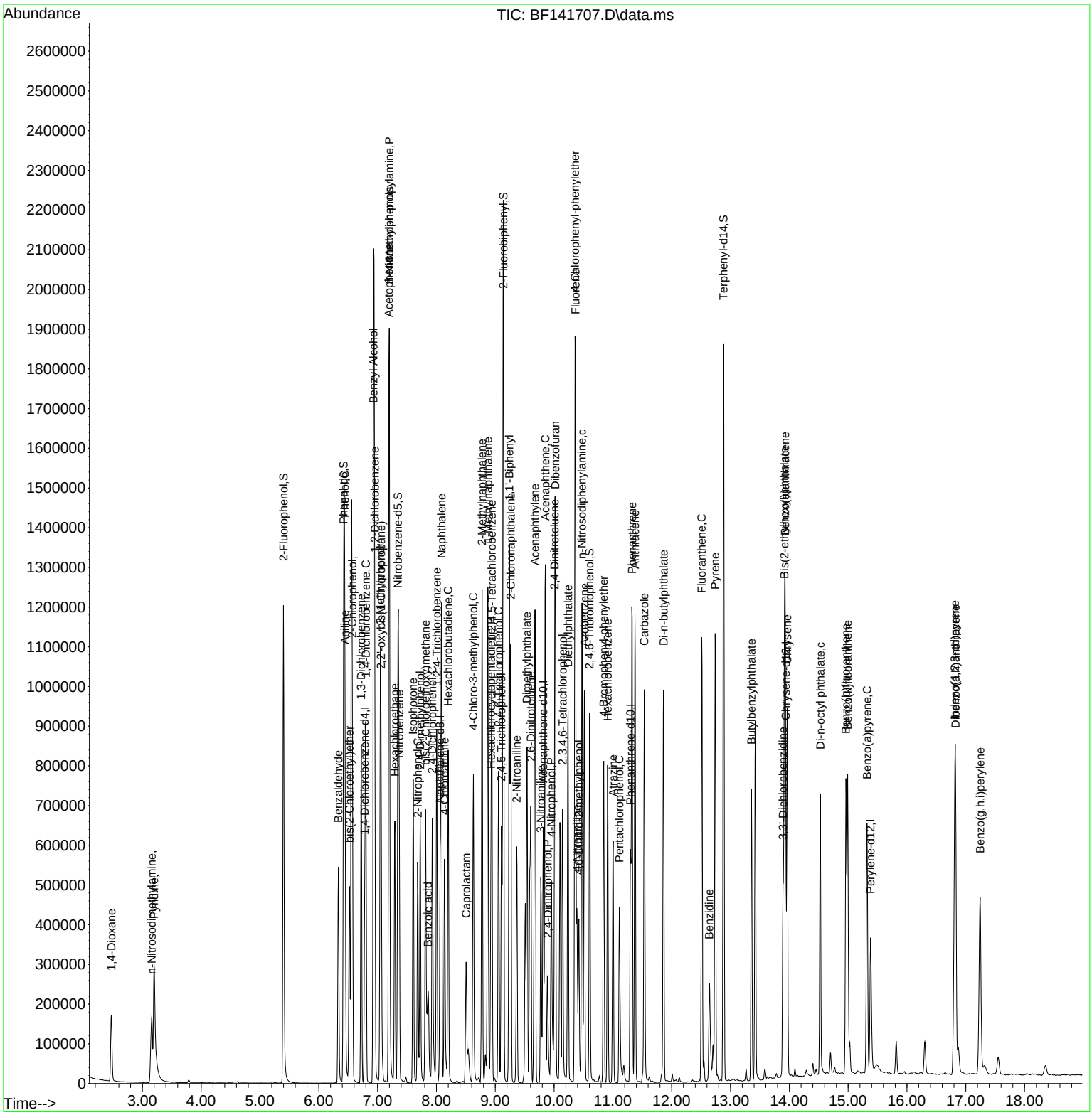
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

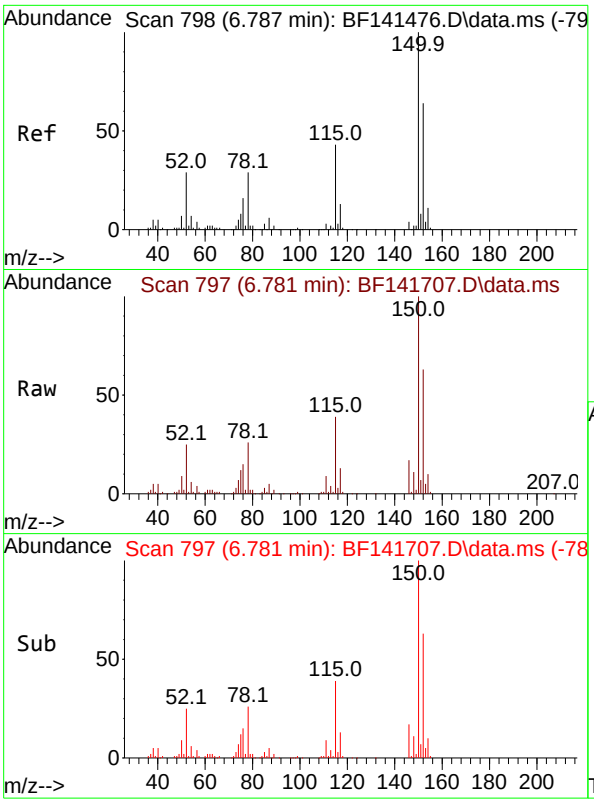
Quant Time: Feb 20 17:37:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

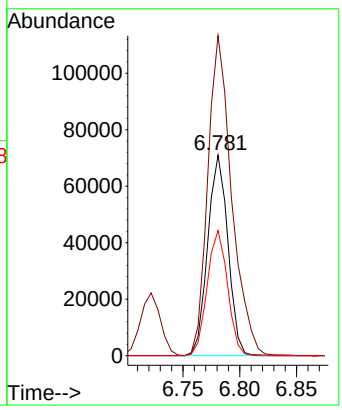
Tgt Ion:152 Resp: 8786

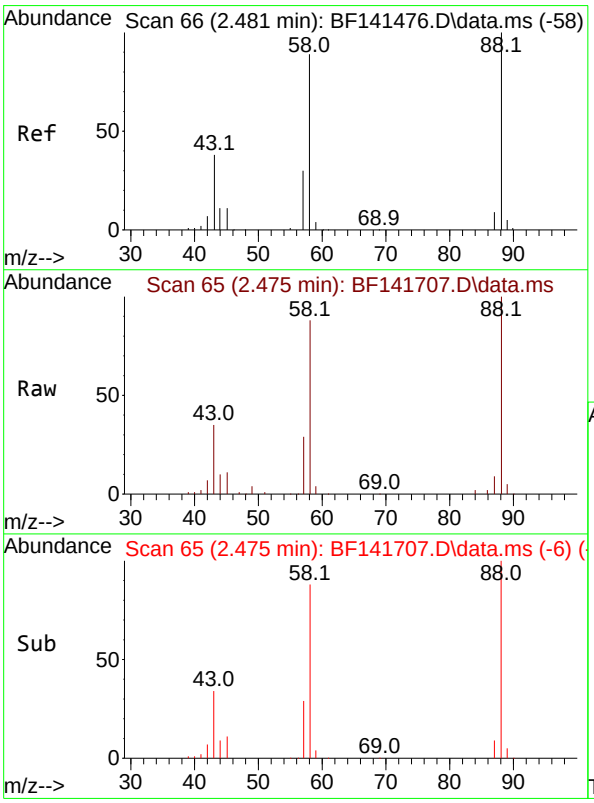
Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.0	187.4
115	62.4	53.6	80.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

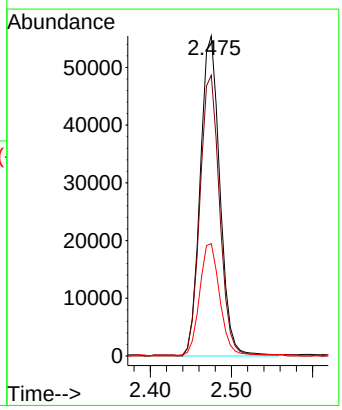


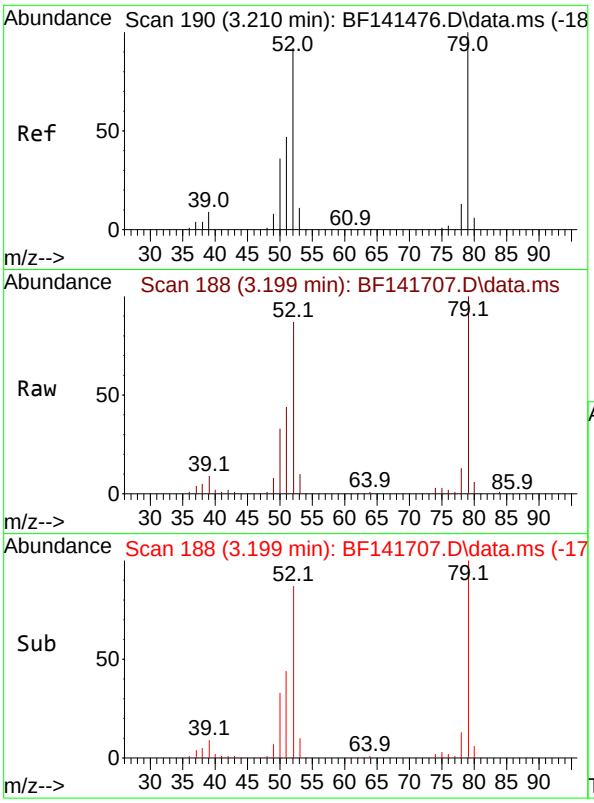


#2
1,4-Dioxane
Concen: 41.350 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 88 Resp: 93278

Ion	Ratio	Lower	Upper
88	100		
58	87.7	71.1	106.7
43	35.2	30.6	46.0

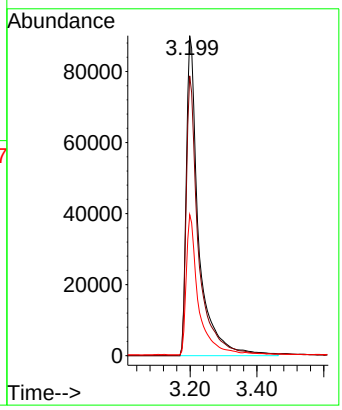




#3
Pyridine
Concen: 43.234 ng
RT: 3.199 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 79 Resp: 23207

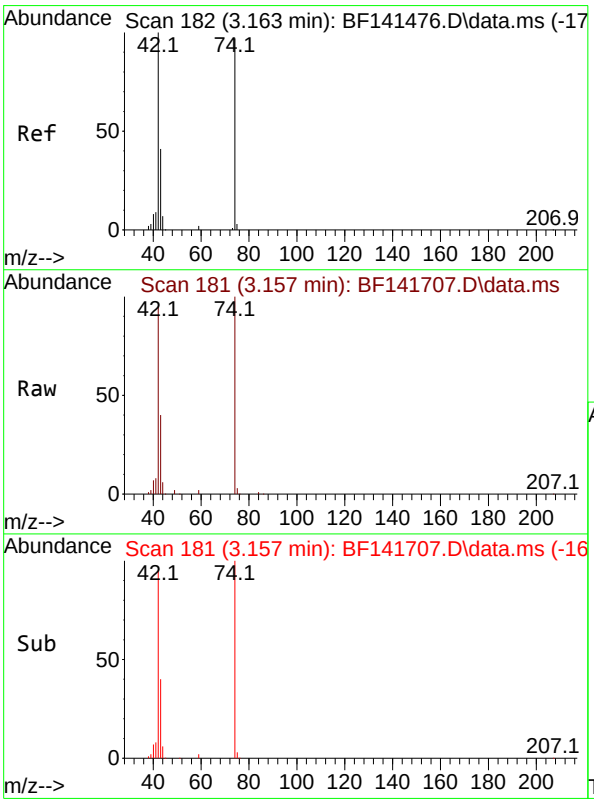
Ion	Ratio	Lower	Upper
79	100		
52	87.4	73.7	110.5
51	44.0	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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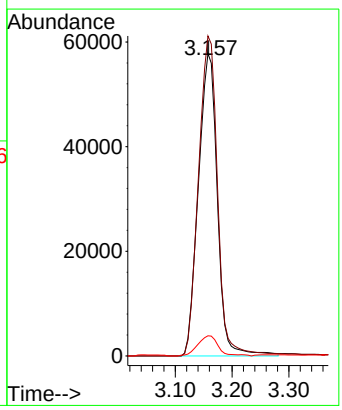
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

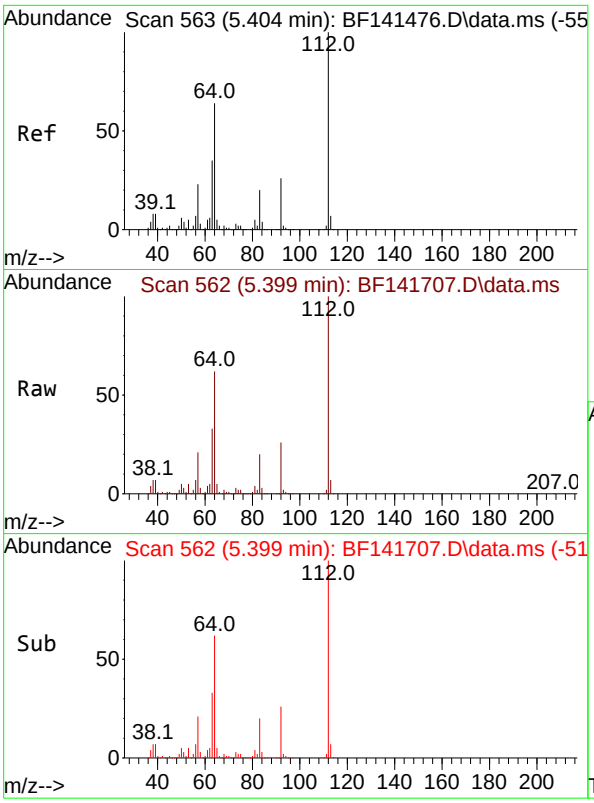


#4
n-Nitrosodimethylamine
Concen: 37.751 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 42 Resp: 134182

Ion	Ratio	Lower	Upper
42	100		
74	105.8	78.0	117.0
44	6.7	5.4	8.2





#5
2-Fluorophenol
Concen: 84.108 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

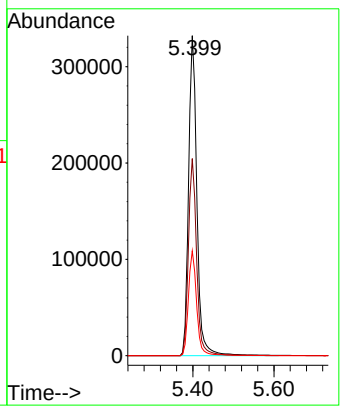
Tgt Ion:112 Resp: 47140

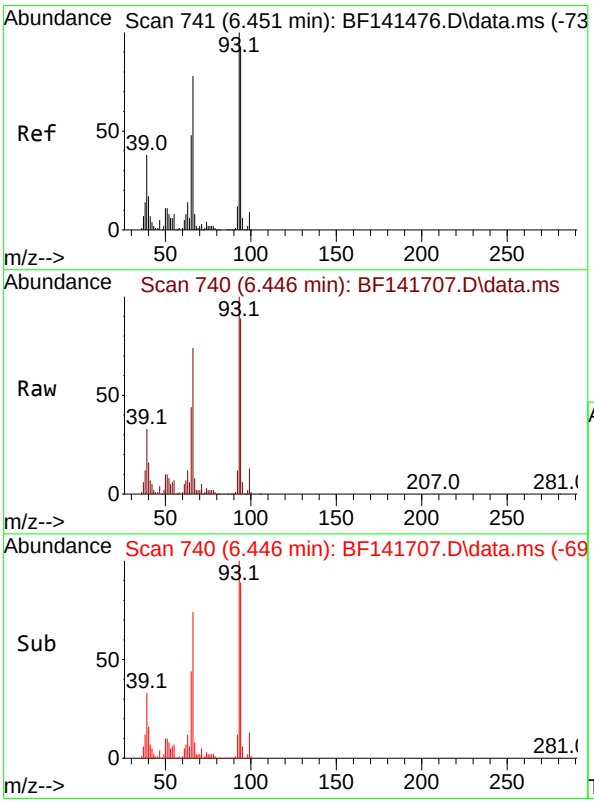
Ion	Ratio	Lower	Upper
112	100		
64	61.6	51.1	76.7
63	32.7	28.4	42.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Rahul Chavli 02/21/2025
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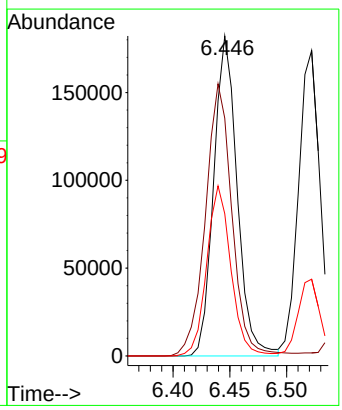


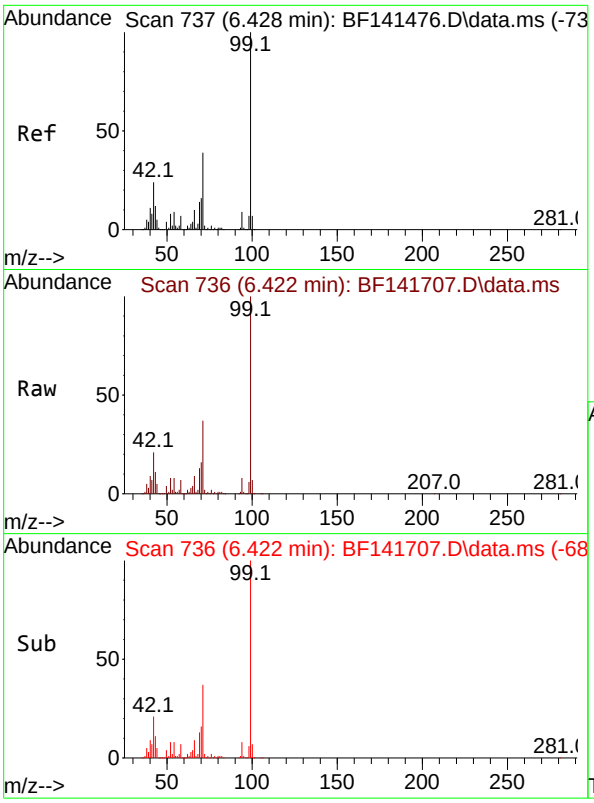


#6
Aniline
Concen: 39.437 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 93 Resp: 262064

Ion	Ratio	Lower	Upper
93	100		
66	74.3	62.6	94.0
65	44.4	38.3	57.5





#7
Phenol-d6
Concen: 81.181 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

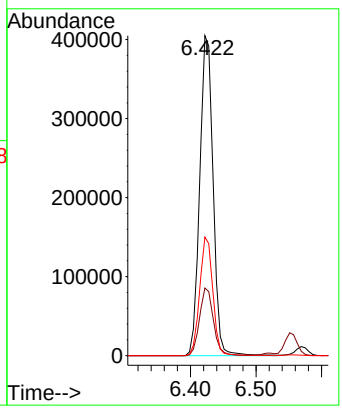
Tgt Ion: 99 Resp: 57508

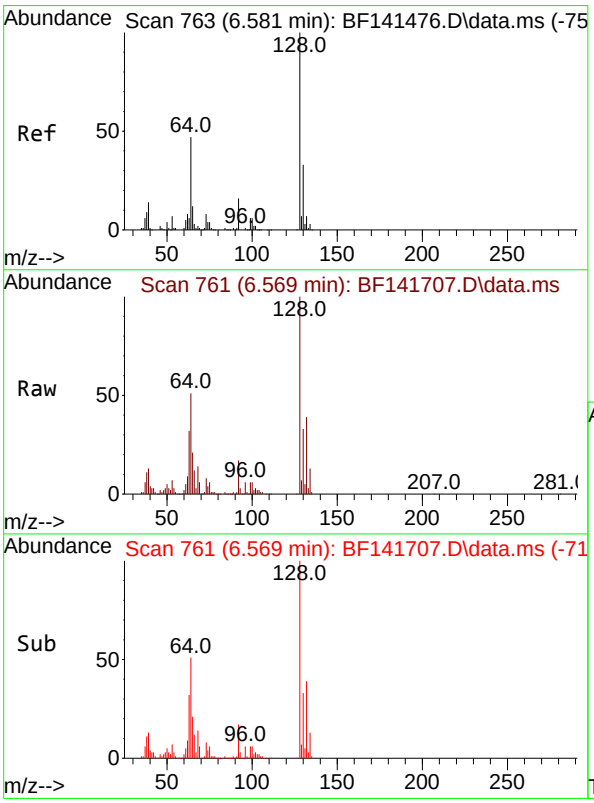
Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.1	28.7
71	37.0	31.1	46.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

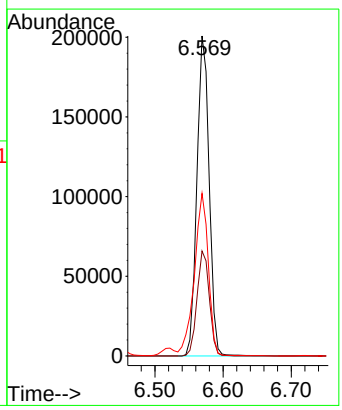


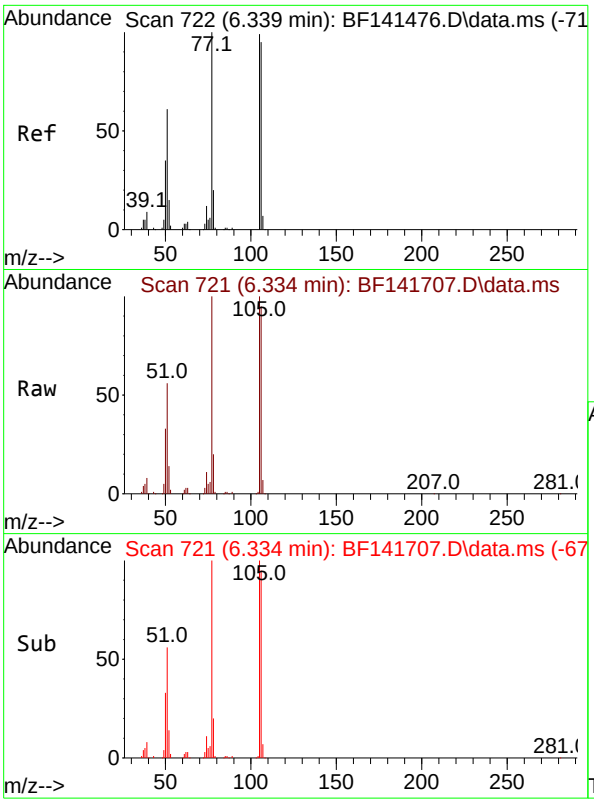


#8
2-Chlorophenol
Concen: 41.270 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:128 Resp: 249942

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	50.8	28.3	68.3

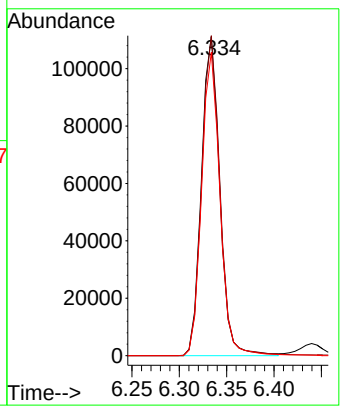




#9
Benzaldehyde
Concen: 39.556 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 77 Resp: 14890

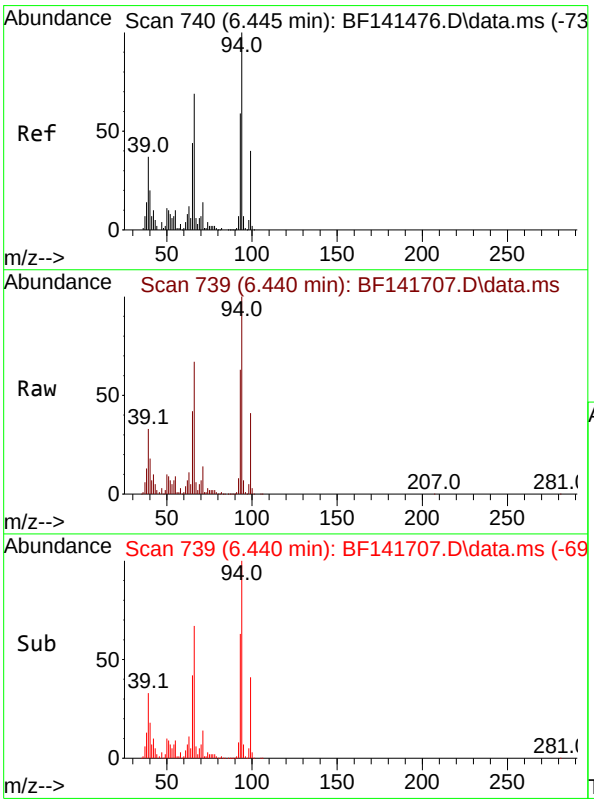
Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.4	119.4
106	95.1	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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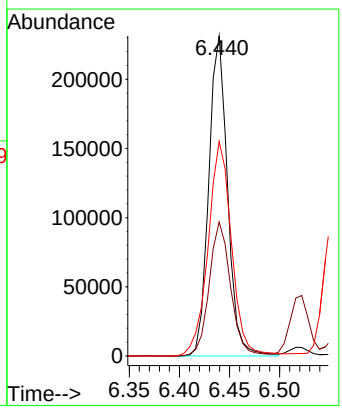
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

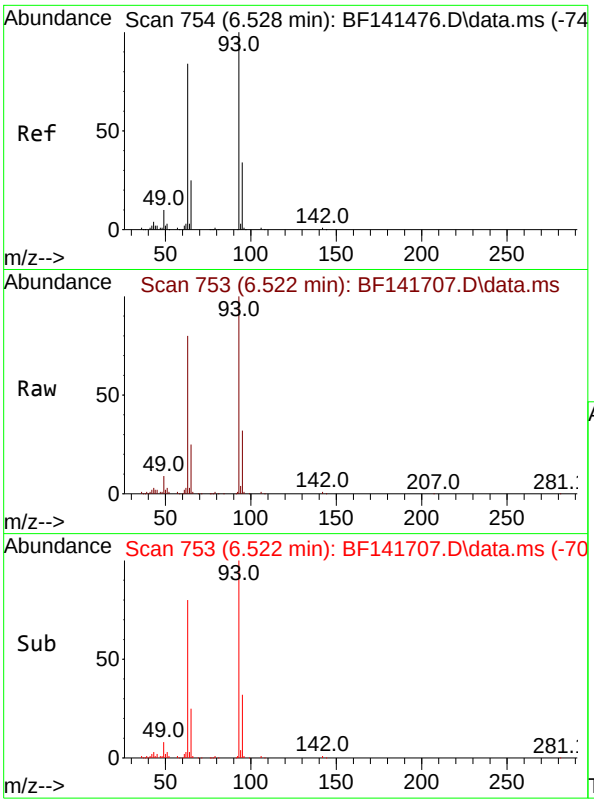


#10
Phenol
Concen: 40.986 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 94 Resp: 302192

Ion	Ratio	Lower	Upper
94	100		
65	41.9	23.7	63.7
66	67.0	49.3	89.3

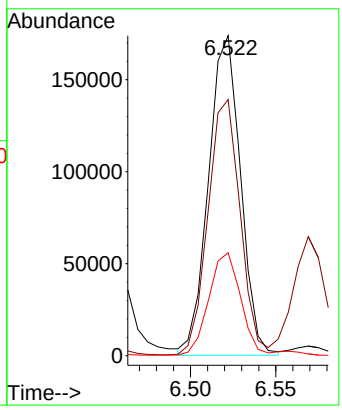




#11
bis(2-Chloroethyl)ether
Concen: 41.107 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 93 Resp: 22764

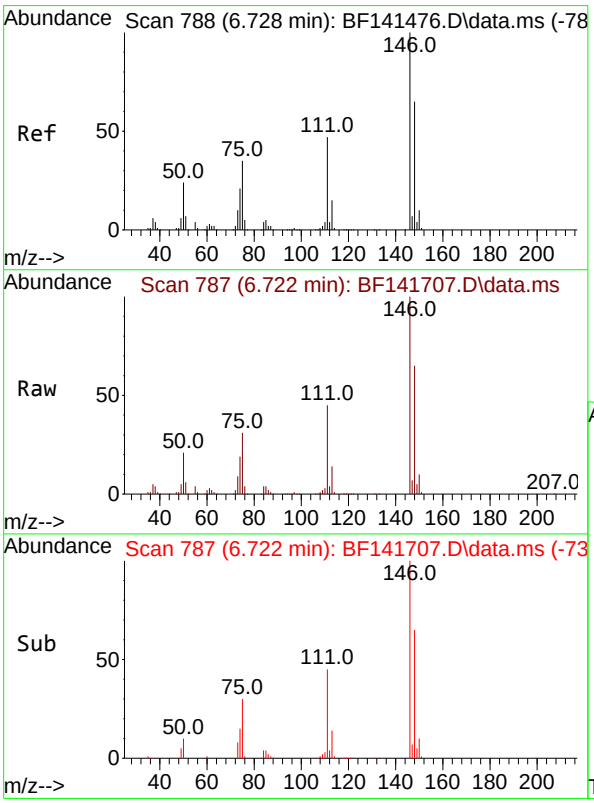
Ion	Ratio	Lower	Upper
93	100		
63	80.1	62.0	102.0
95	32.2	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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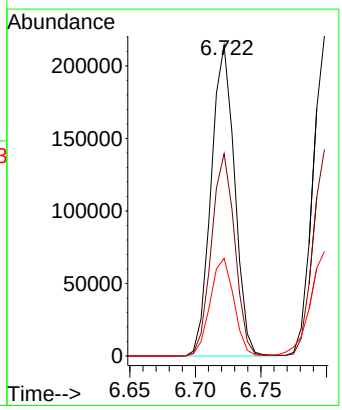
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

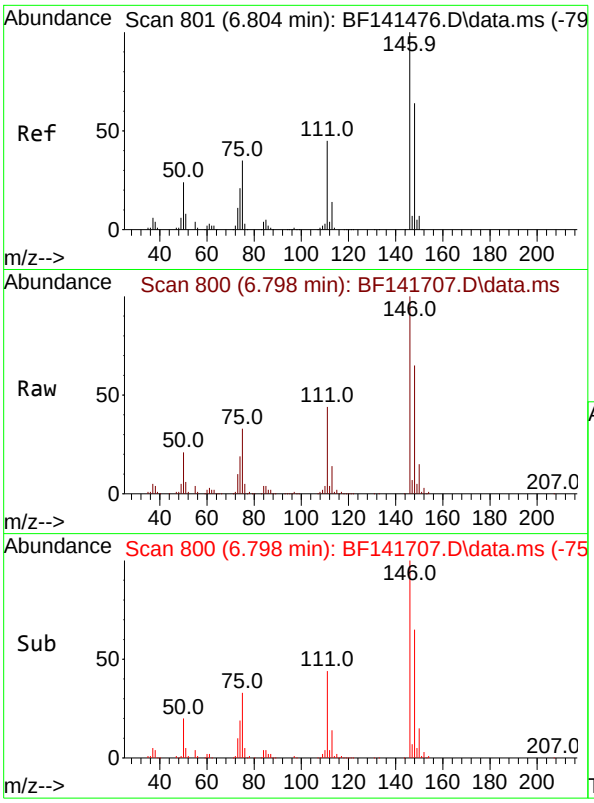


#12
1,3-Dichlorobenzene
Concen: 41.709 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:146 Resp: 266673

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
75	31.4	28.2	42.2

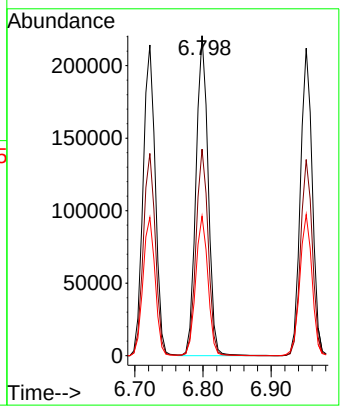




#13
1,4-Dichlorobenzene
Concen: 41.942 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:146 Resp: 27398

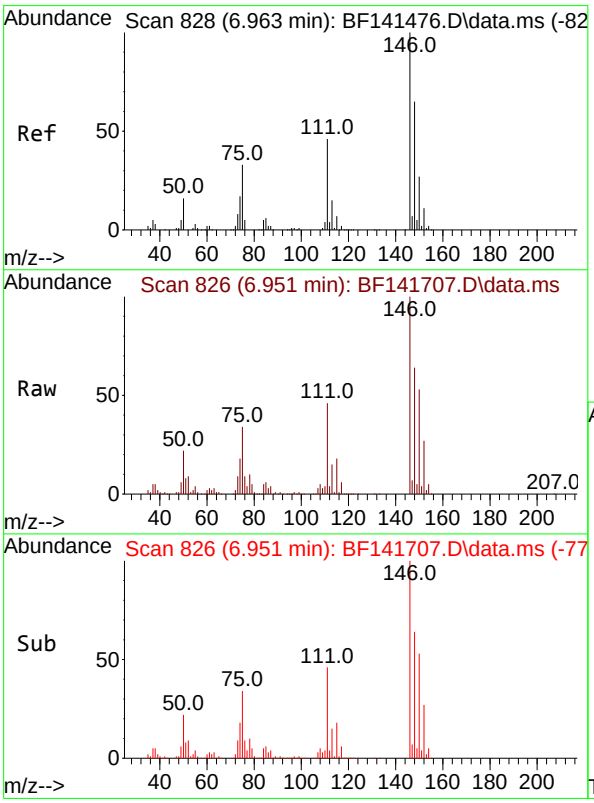
Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.9	76.3
111	43.6	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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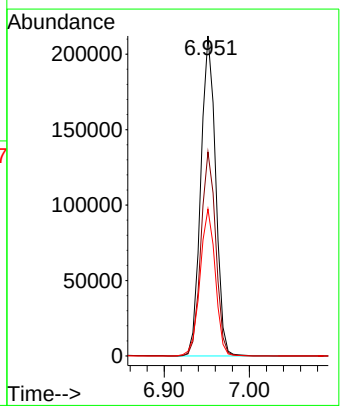
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

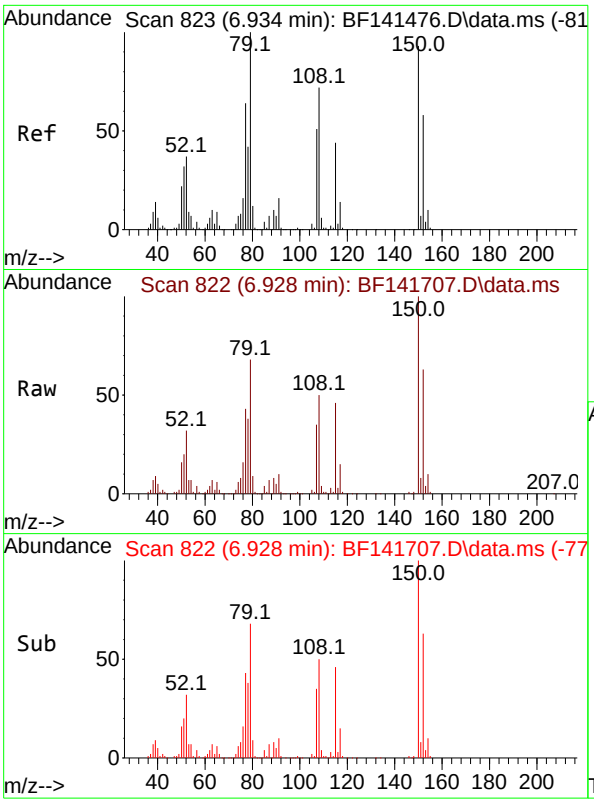


#14
1,2-Dichlorobenzene
Concen: 42.273 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:146 Resp: 256300

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	45.9	37.0	55.4





#15
Benzyl Alcohol
Concen: 39.234 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

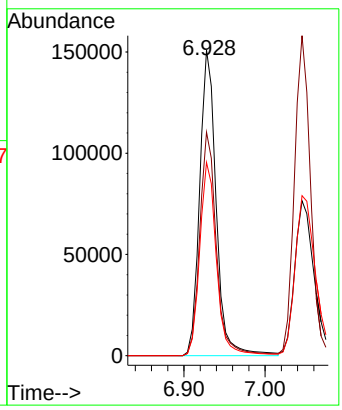
Tgt Ion: 79 Resp: 21313

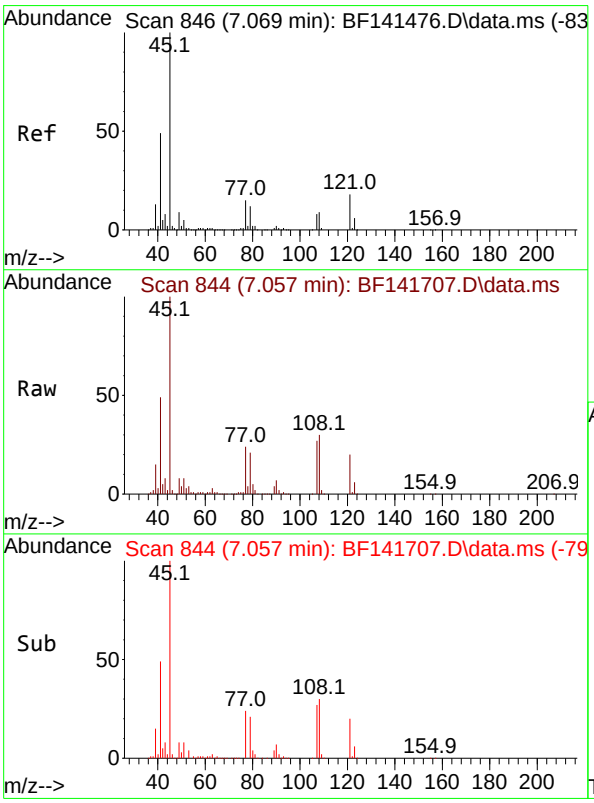
Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.4	86.2
77	63.2	50.9	76.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

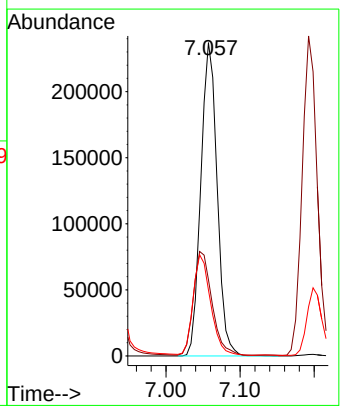


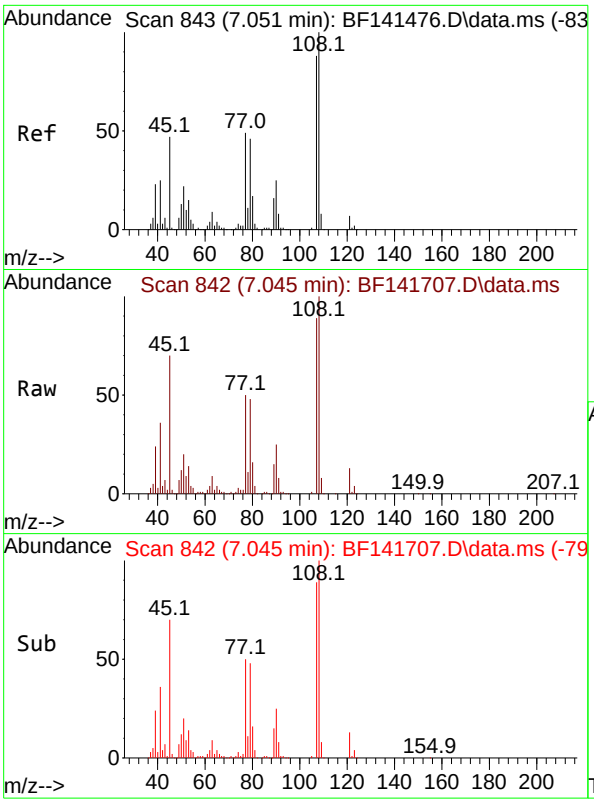


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.182 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 45 Resp: 361962

Ion	Ratio	Lower	Upper
45	100		
77	24.4	0.0	35.8
79	21.1	0.0	32.7

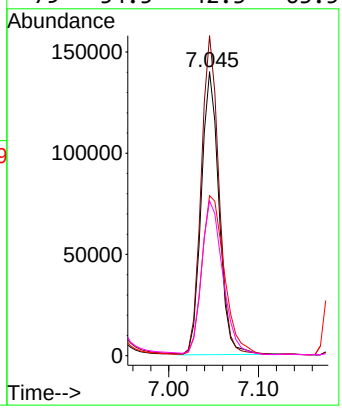




#17
2-Methylphenol
Concen: 40.443 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:107 Resp: 19167

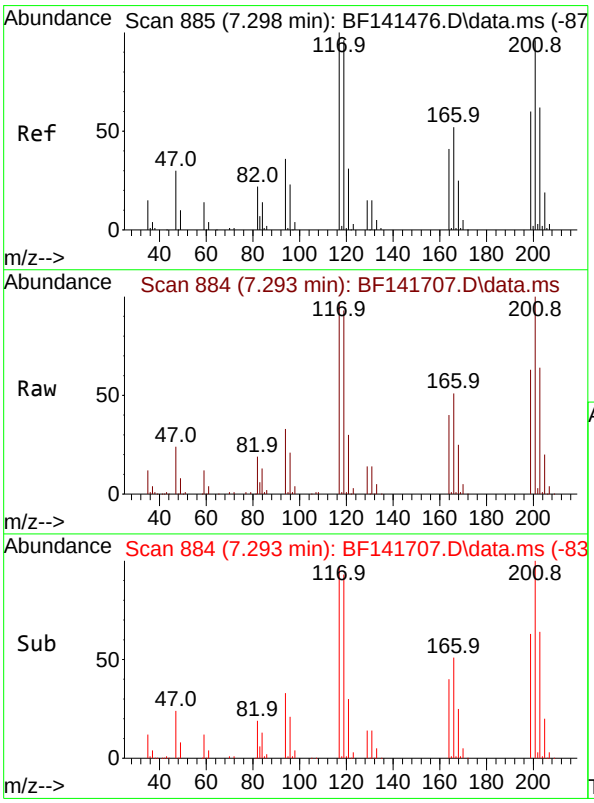
Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.6	136.0
77	56.4	44.4	66.6
79	54.5	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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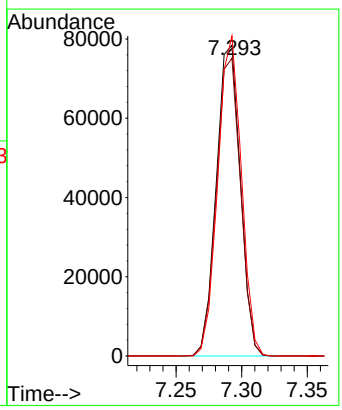
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

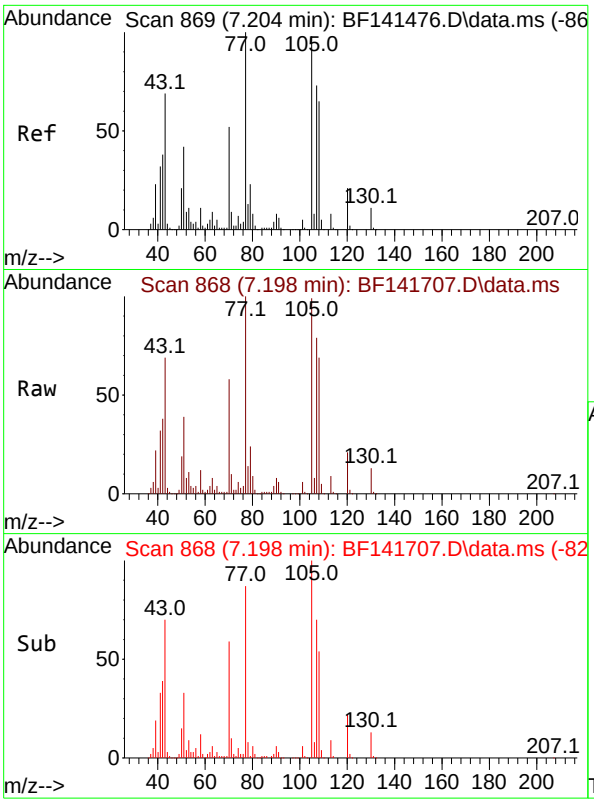


#18
Hexachloroethane
Concen: 41.408 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:117 Resp: 100107

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
201	103.0	76.7	115.1

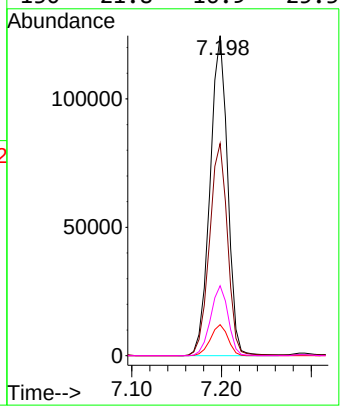




#19
n-Nitroso-di-n-propylamine
Concen: 40.136 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 70 Resp: 17007

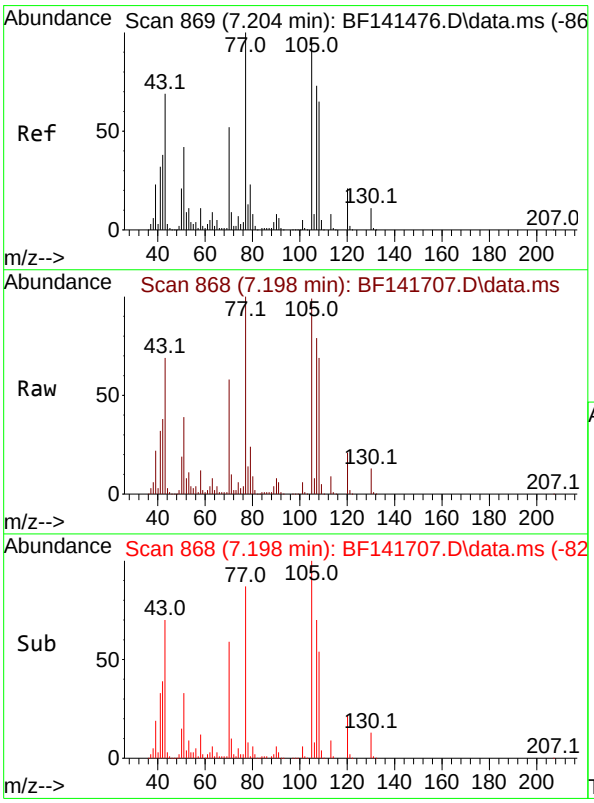
Ion	Ratio	Lower	Upper
70	100		
42	66.3	57.4	86.2
101	9.7	8.0	12.0
130	21.8	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

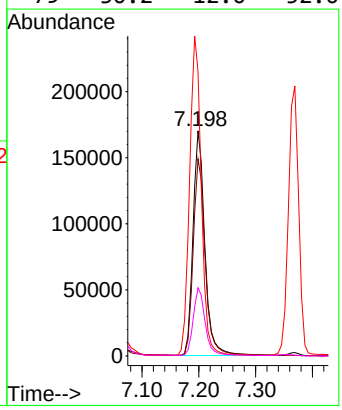
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

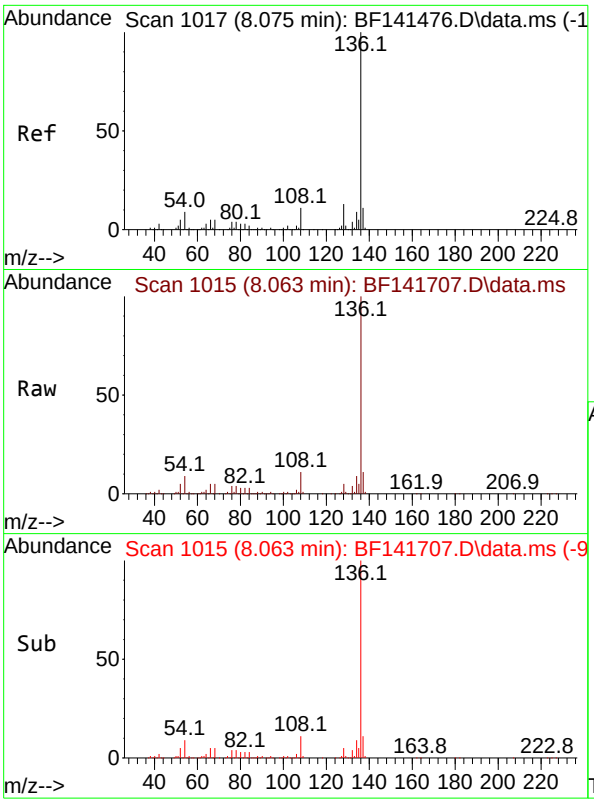


#20
3+4-Methylphenols
Concen: 40.942 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:107 Resp: 246595

Ion	Ratio	Lower	Upper
107	100		
108	87.5	68.5	108.5
77	126.2	116.5	156.5
79	30.2	12.0	52.0

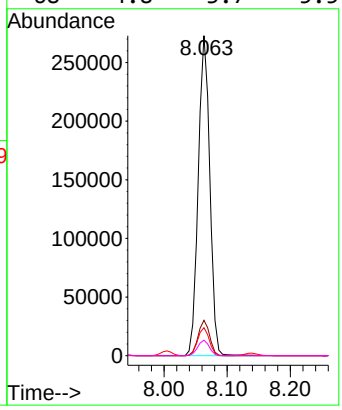




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:136 Resp: 34629

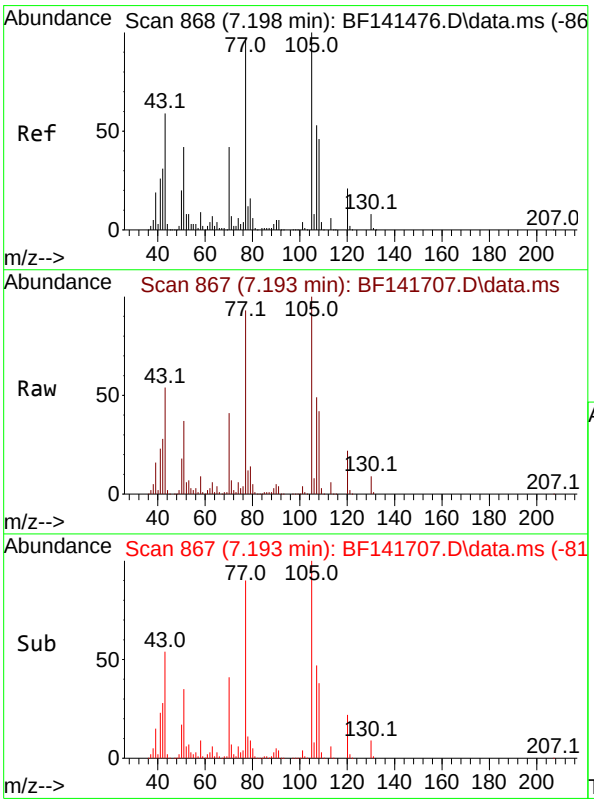
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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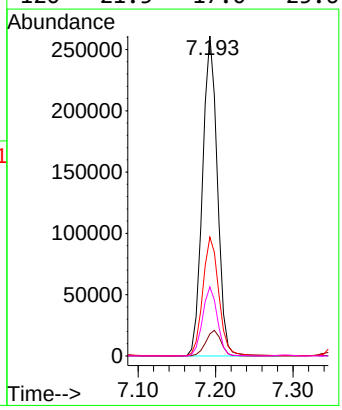
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

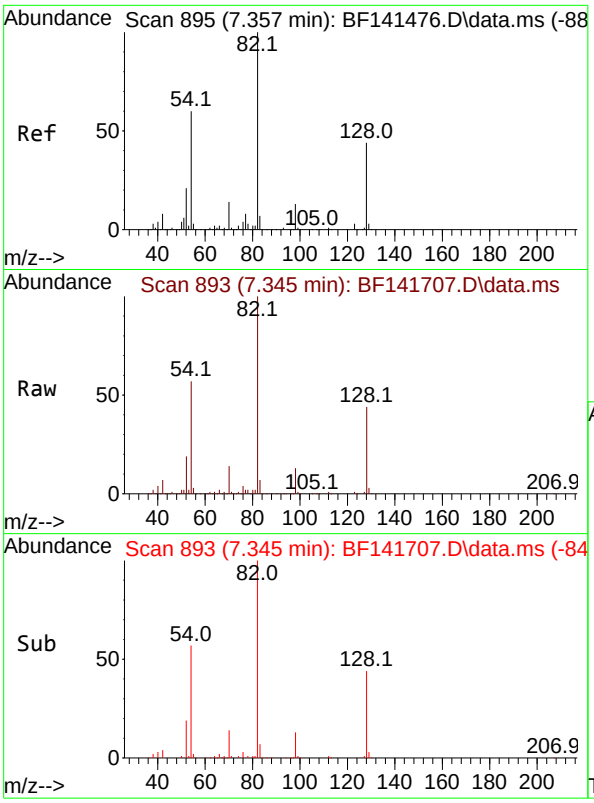


#22
Acetophenone
Concen: 40.347 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:105 Resp: 347556

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.7	8.5
51	37.1	33.7	50.5
120	21.5	17.0	25.6





#23
Nitrobenzene-d5
Concen: 79.490 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

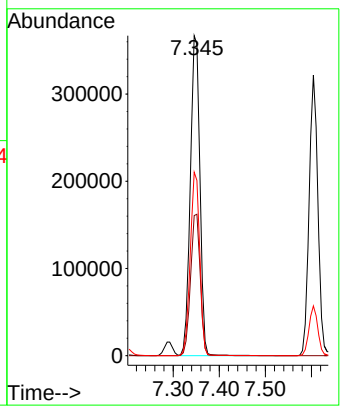
Tgt Ion: 82 Resp: 52776

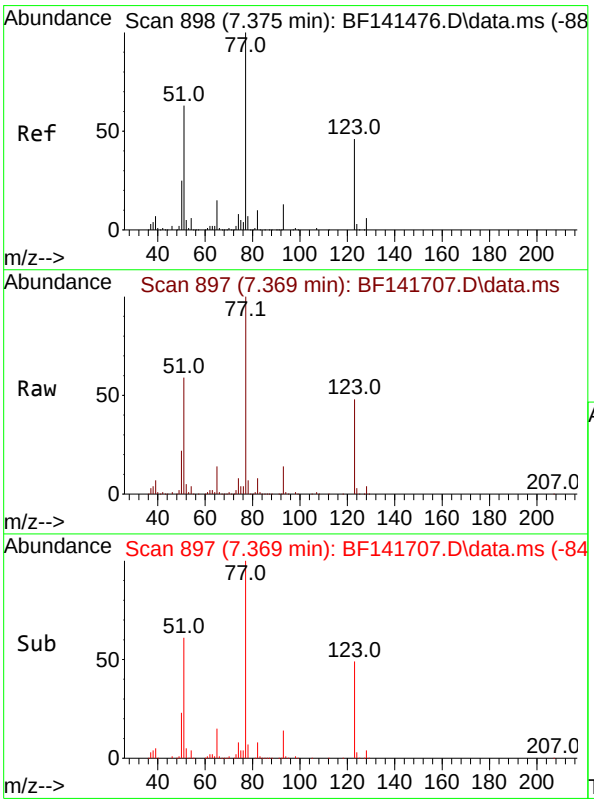
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	57.3	48.2	72.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

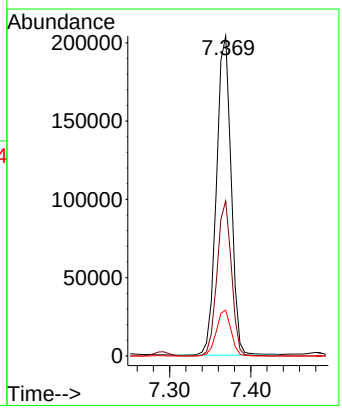


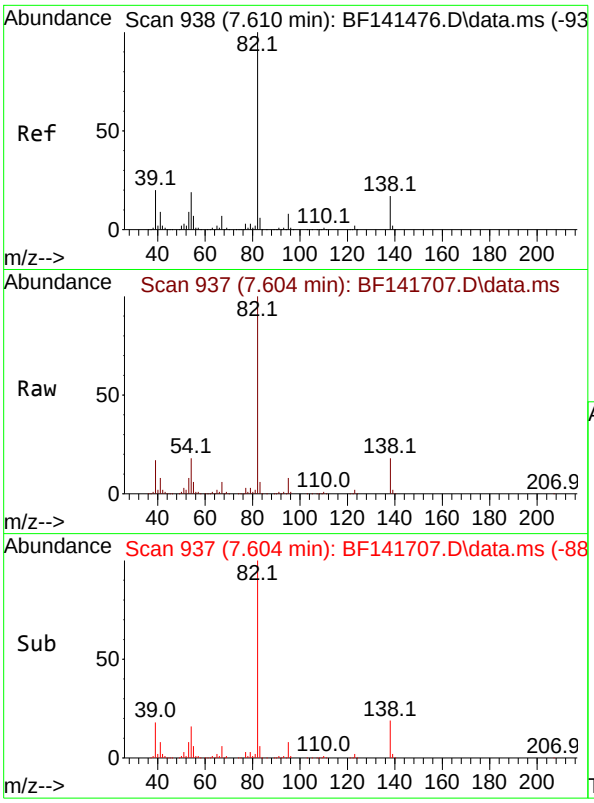


#24
Nitrobenzene
Concen: 39.690 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 77 Resp: 256961

Ion	Ratio	Lower	Upper
77	100		
123	48.4	36.9	55.3
65	14.3	11.9	17.9

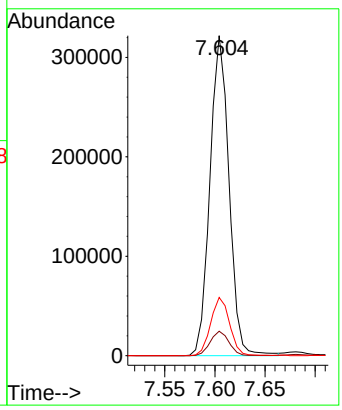




#25
Isophorone
Concen: 40.300 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 82 Resp: 42662

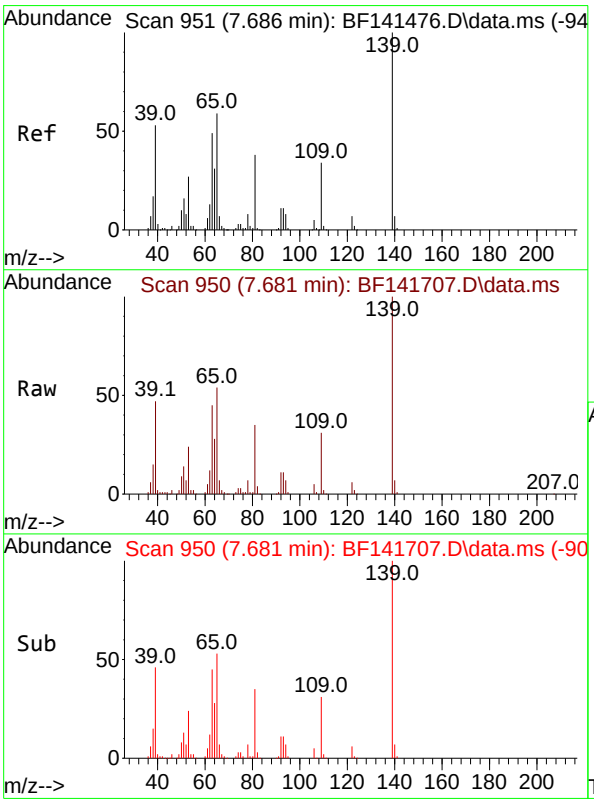
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.2	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

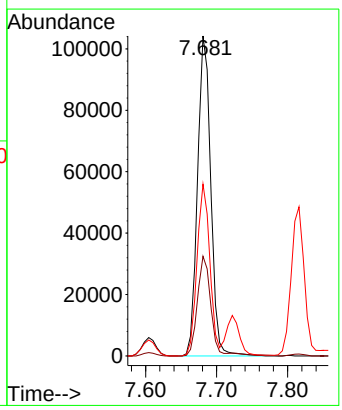
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

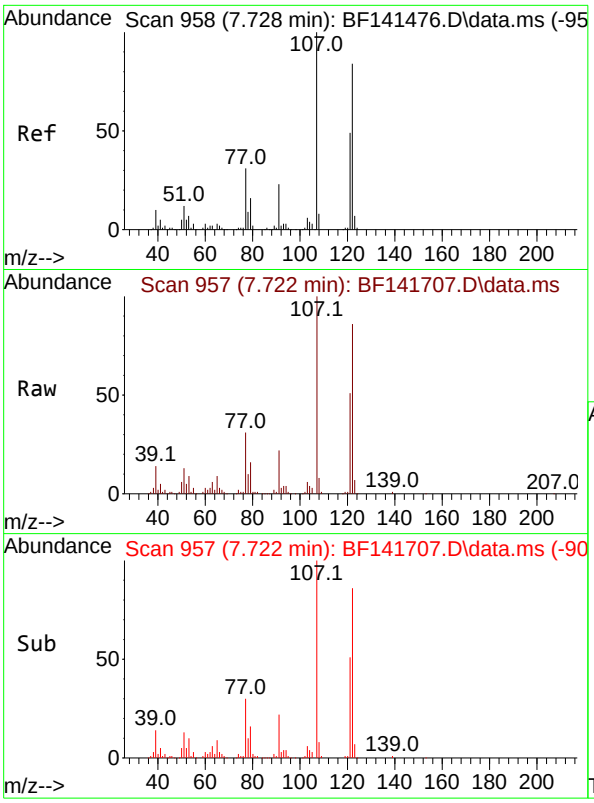


#26
2-Nitrophenol
Concen: 42.129 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:139 Resp: 135698

Ion	Ratio	Lower	Upper
139	100		
109	31.1	27.0	40.6
65	53.7	47.1	70.7

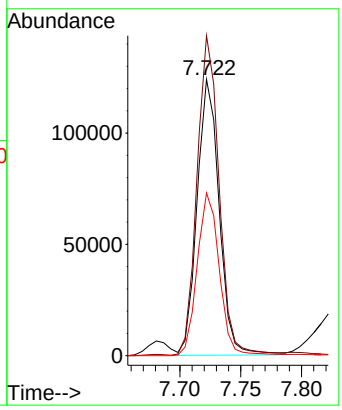




#27
2,4-Dimethylphenol
Concen: 41.495 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:122 Resp: 15613

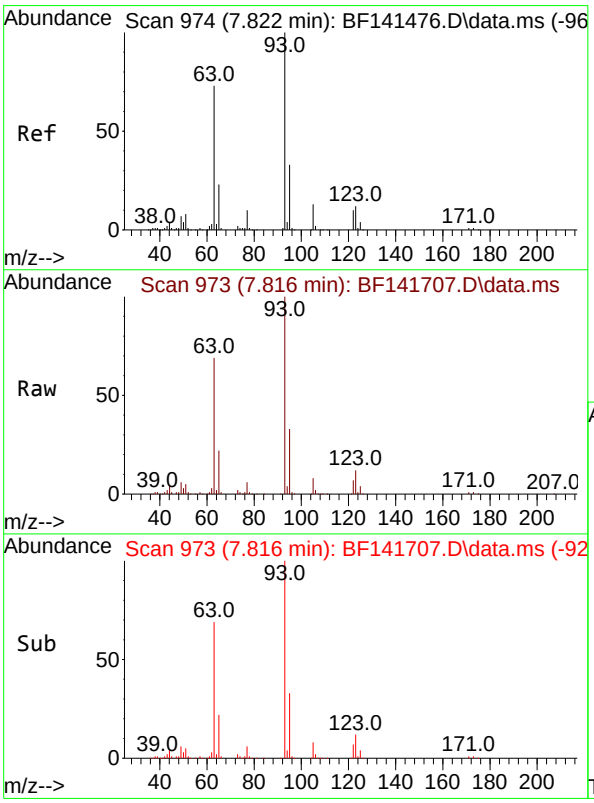
Ion	Ratio	Lower	Upper
122	100		
107	115.8	94.3	141.5
121	58.9	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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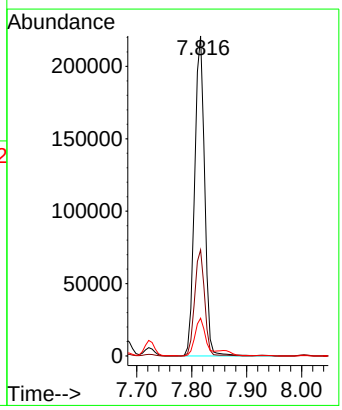
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

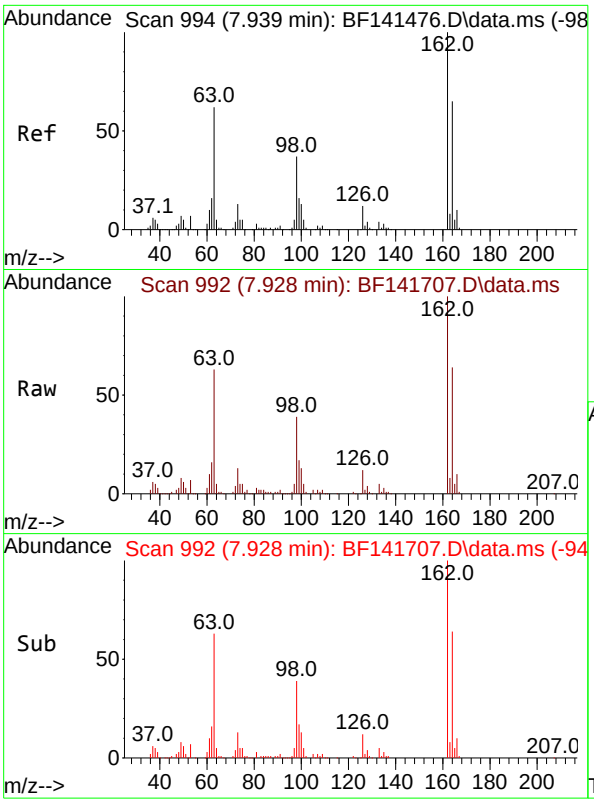


#28
bis(2-Chloroethoxy)methane
Concen: 41.169 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 93 Resp: 279268

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.1	39.1
123	11.8	9.5	14.3

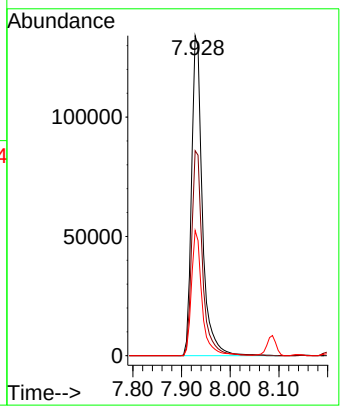




#29
2,4-Dichlorophenol
Concen: 40.925 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:162 Resp: 20807

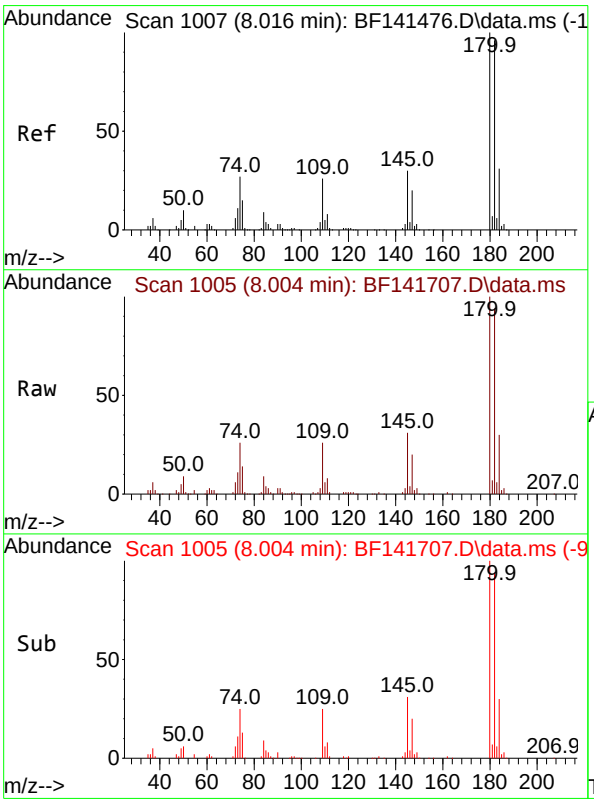
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	39.1	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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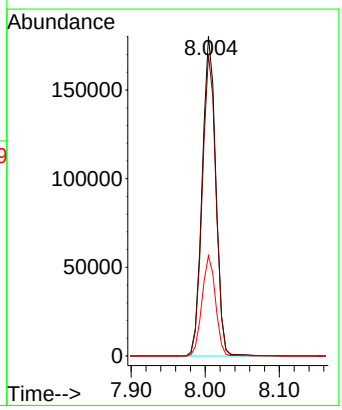
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

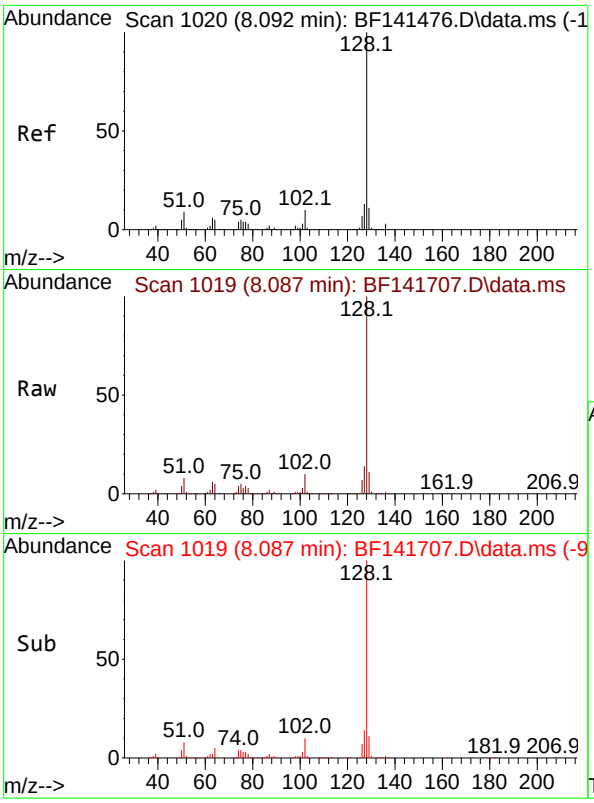


#30
1,2,4-Trichlorobenzene
Concen: 41.418 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:180 Resp: 229310

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
145	31.3	24.2	36.4

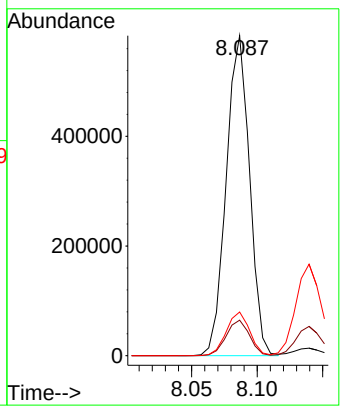




#31
Naphthalene
Concen: 40.074 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:128 Resp: 72237

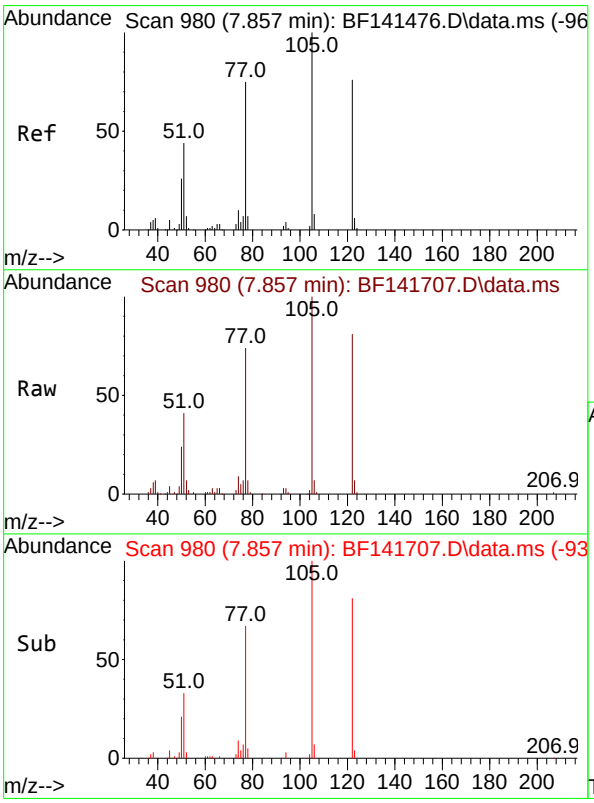
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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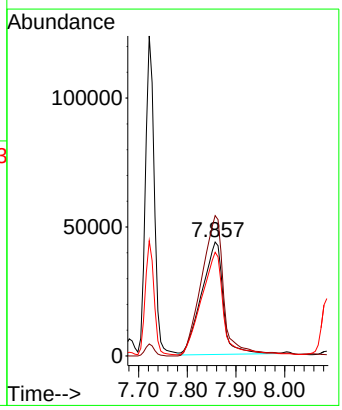
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

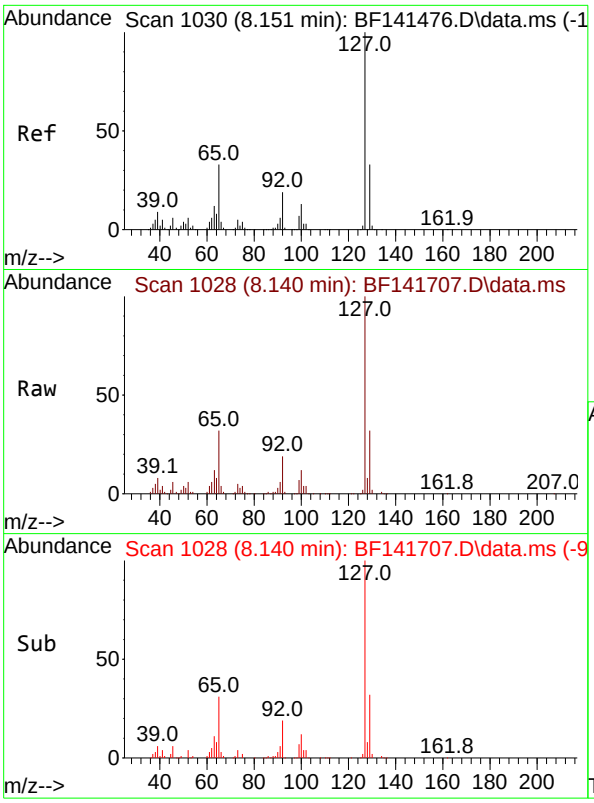


#32
Benzoic acid
Concen: 34.103 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:122 Resp: 133290

Ion	Ratio	Lower	Upper
122	100		
105	123.2	106.5	146.5
77	91.0	76.3	116.3

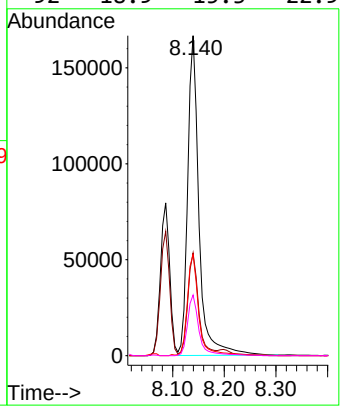




#33
4-Chloroaniline
Concen: 40.247 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:127 Resp: 25329

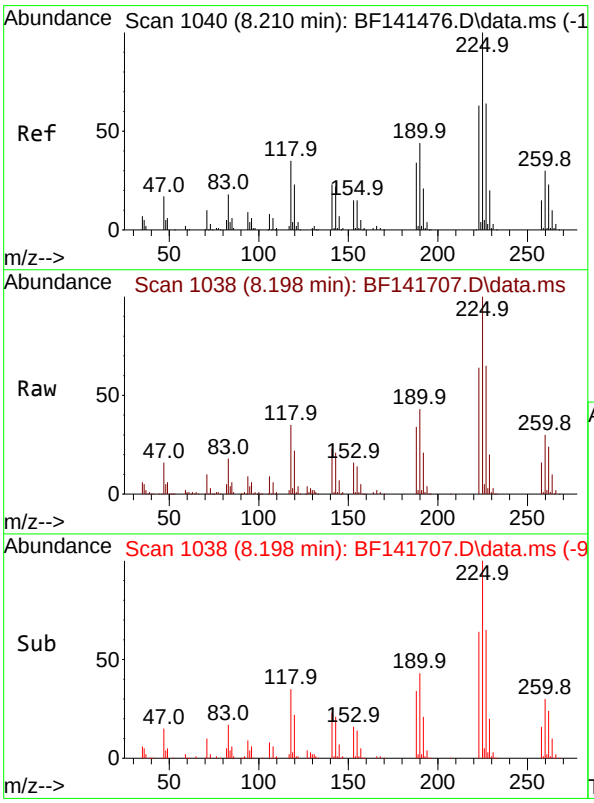
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	31.7	26.4	39.6
92	18.9	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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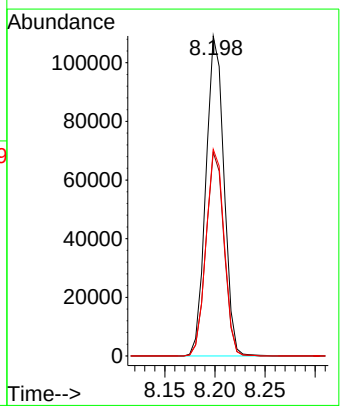
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

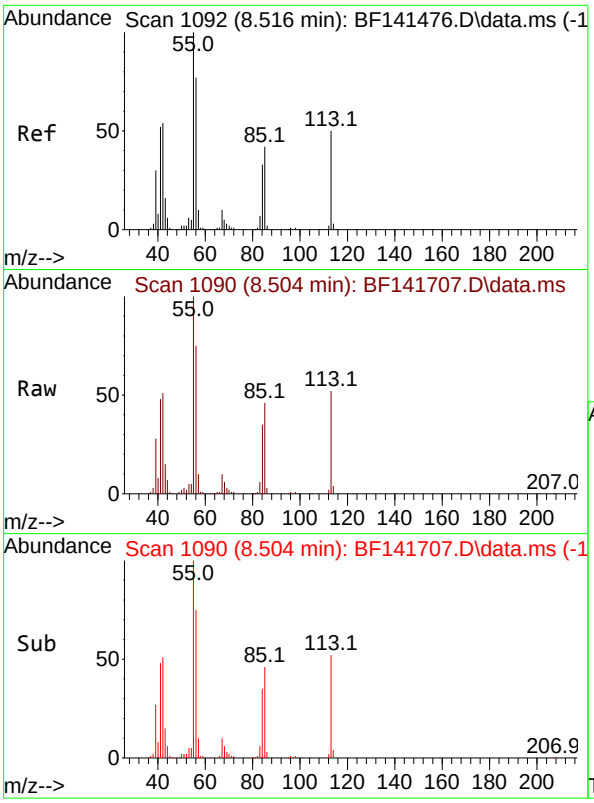


#34
Hexachlorobutadiene
Concen: 41.146 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:225 Resp: 136759

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	64.6	51.0	76.6





#35
Caprolactam
Concen: 40.440 ng m
RT: 8.504 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

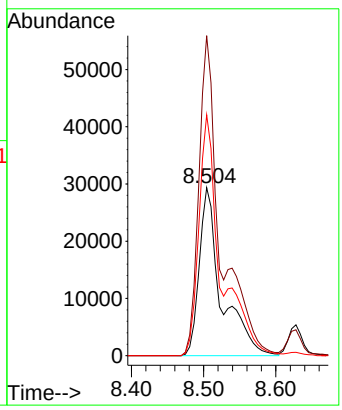
Tgt Ion:113 Resp: 6260

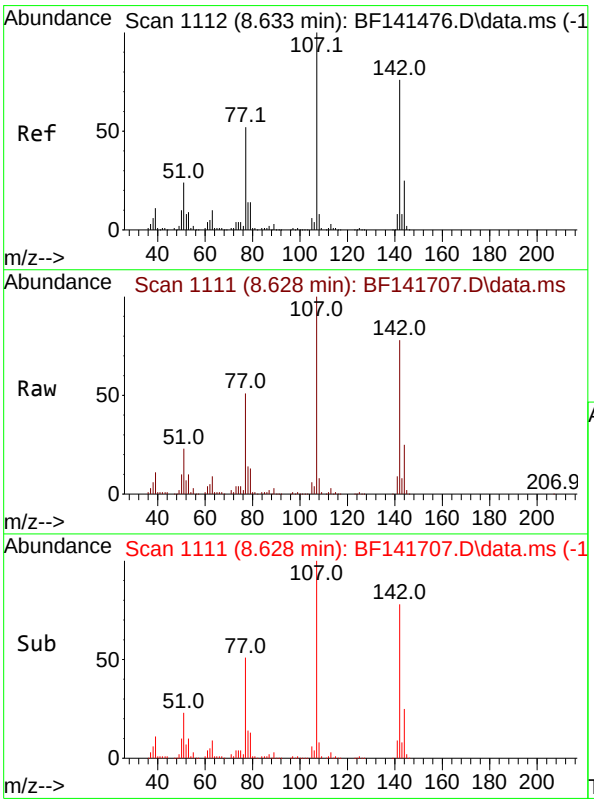
Ion	Ratio	Lower	Upper
113	100		
55	190.5	180.8	220.8
56	143.4	133.6	173.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

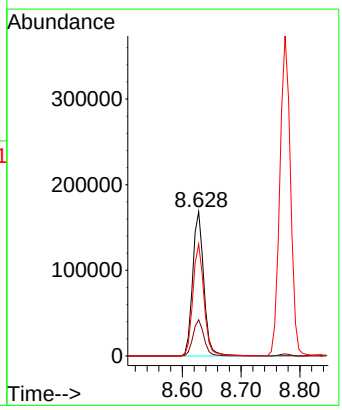


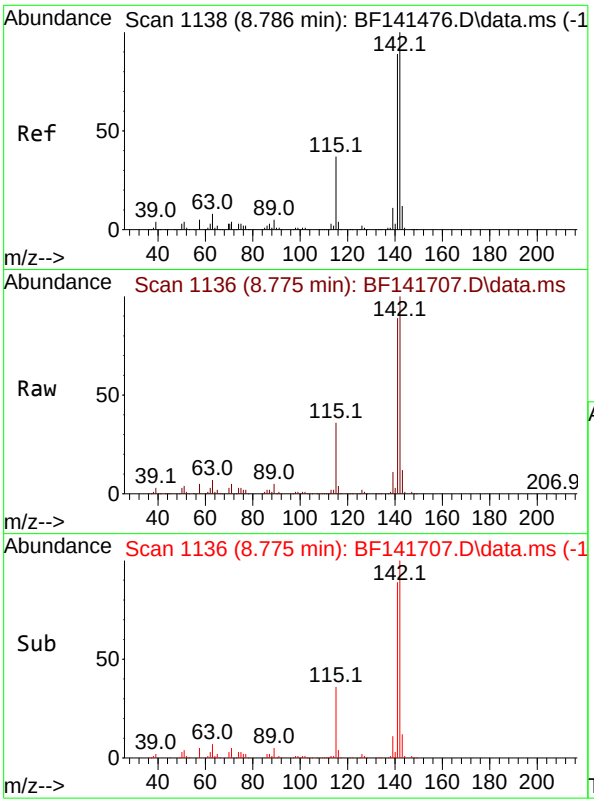


#36
4-Chloro-3-methylphenol
Concen: 39.707 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:107 Resp: 223621

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.7	29.5
142	77.6	60.8	91.2

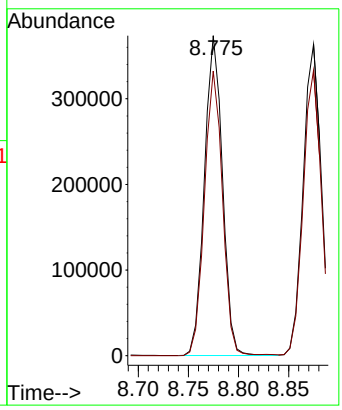




#37
2-Methylnaphthalene
Concen: 39.945 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:142 Resp: 46855

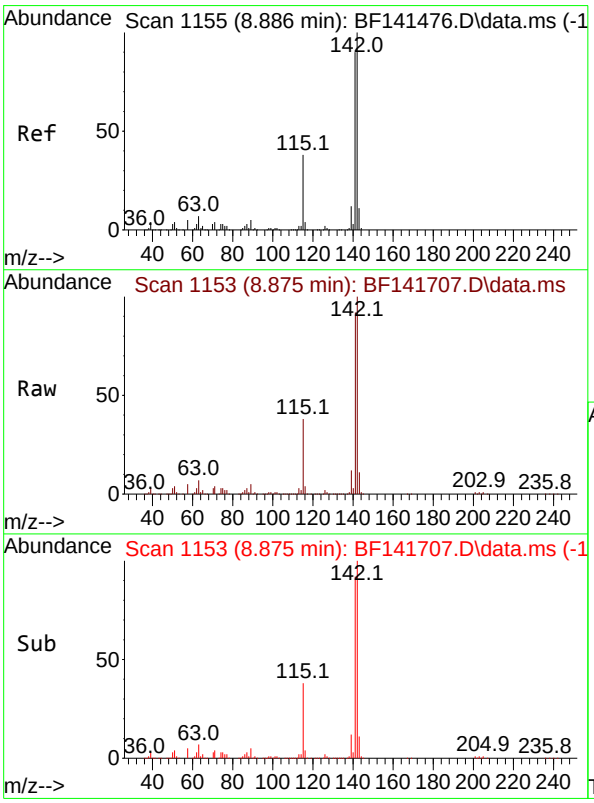
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

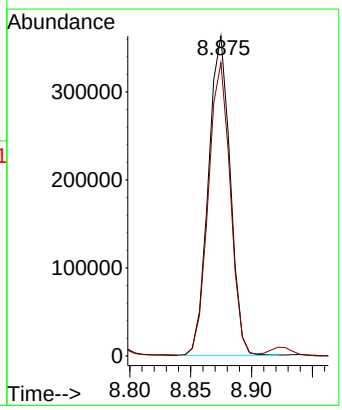
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

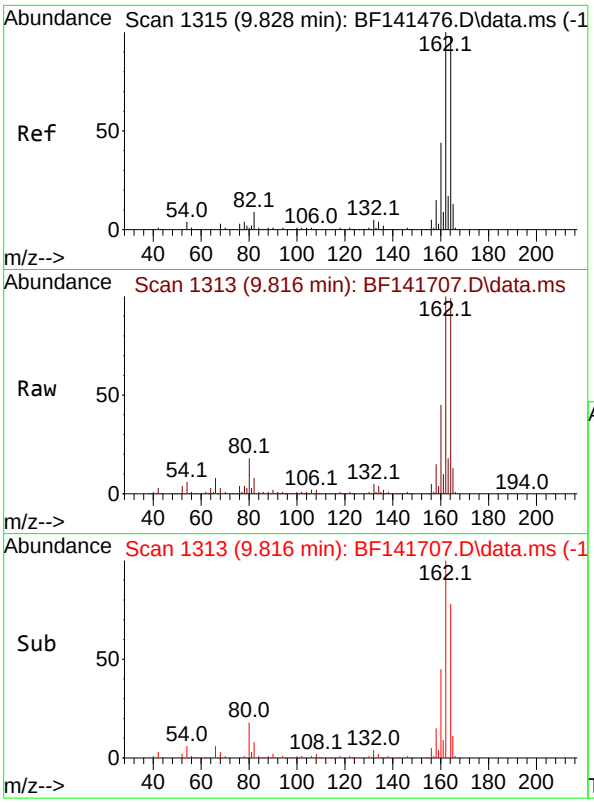


#38
1-Methylnaphthalene
Concen: 39.795 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:142 Resp: 452107

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.1	108.1

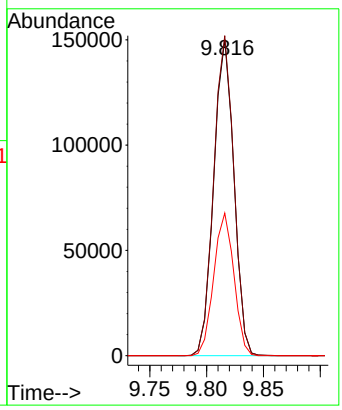




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:164 Resp: 18549

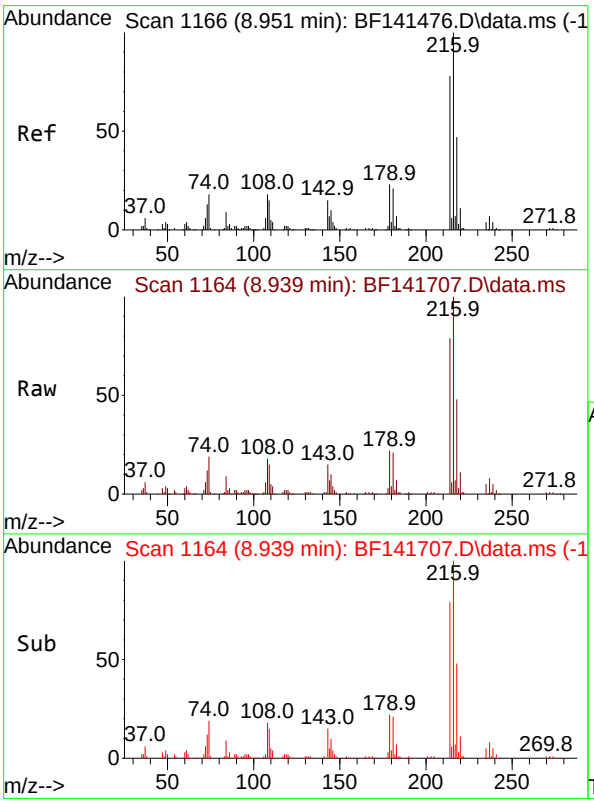
Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	45.1	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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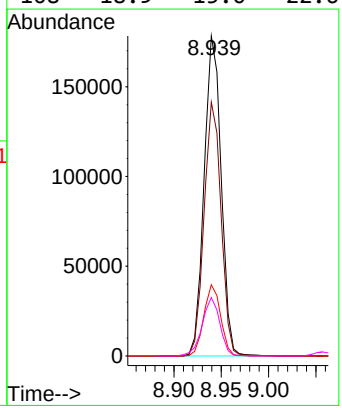
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

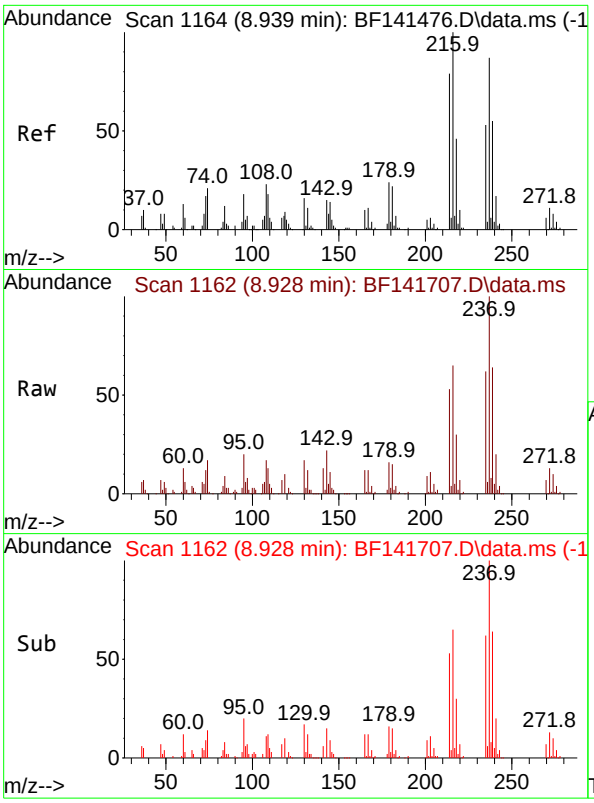


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.395 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:216 Resp: 222151

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.3	93.5
179	21.9	18.0	27.0
108	18.9	15.0	22.6

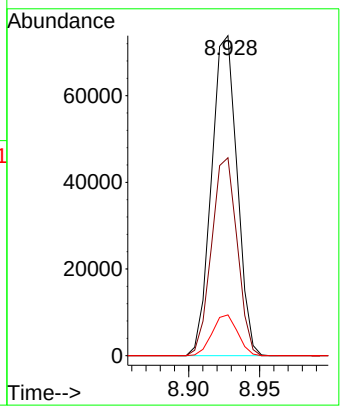




#41
Hexachlorocyclopentadiene
Concen: 52.019 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:237 Resp: 9285

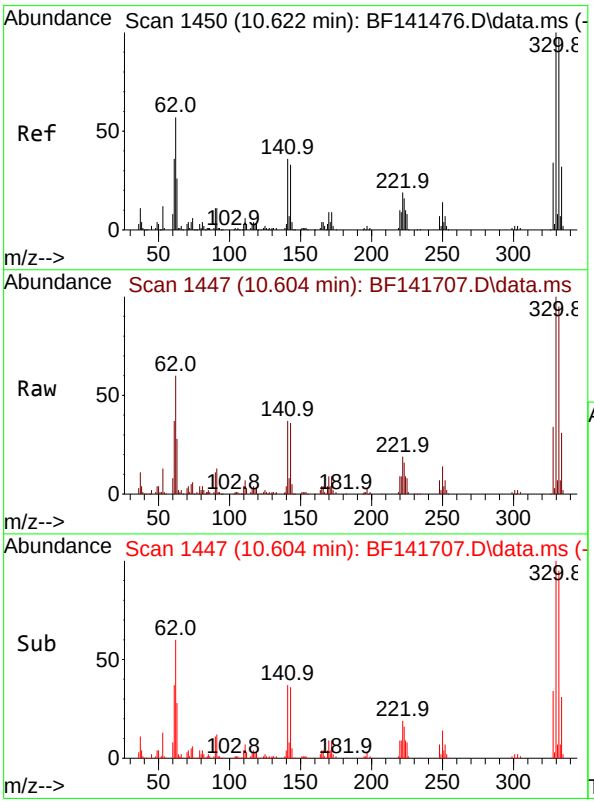
Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.4	81.4
272	12.8	0.0	32.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

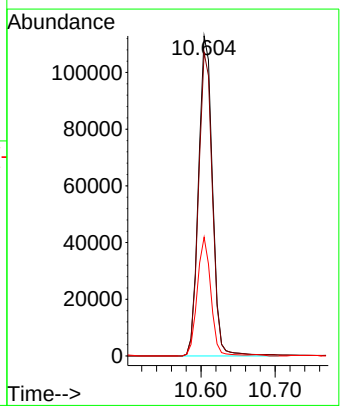
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

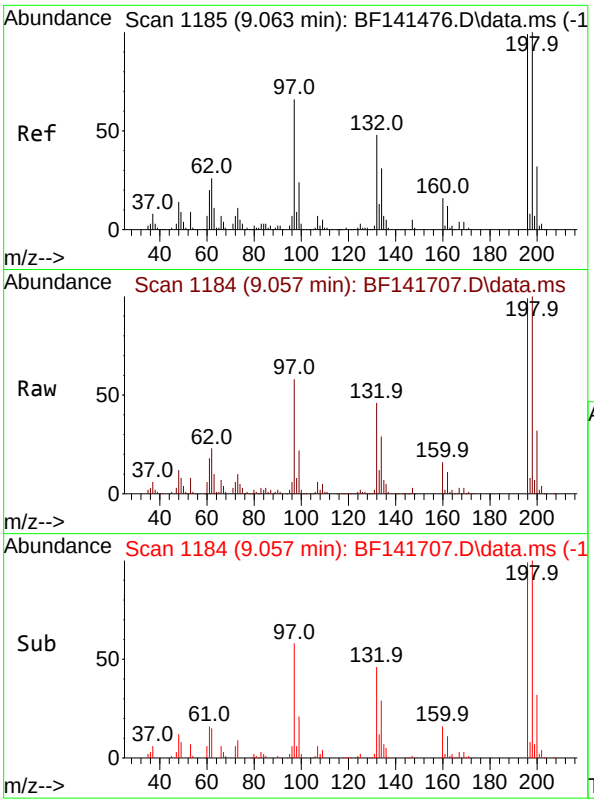


#42
2,4,6-Tribromophenol
Concen: 79.140 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:330 Resp: 147468

Ion	Ratio	Lower	Upper
330	100		
332	94.5	78.5	117.7
141	36.1	31.0	46.4

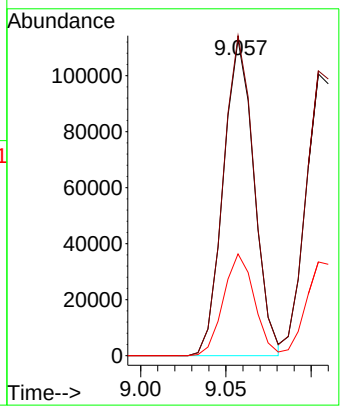




#43
2,4,6-Trichlorophenol
Concen: 40.855 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:196 Resp: 14170

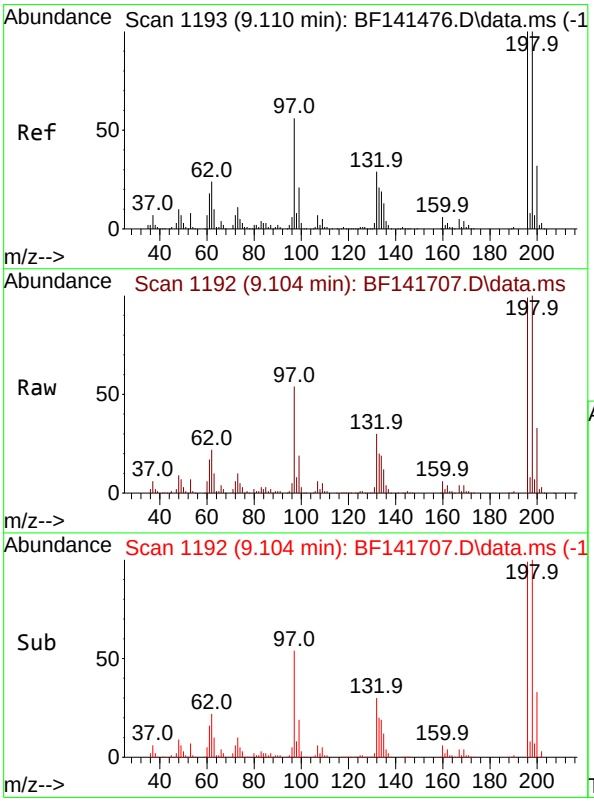
Ion	Ratio	Lower	Upper
196	100		
198	101.3	80.6	121.0
200	32.2	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

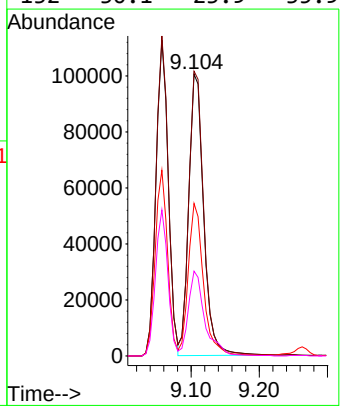
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

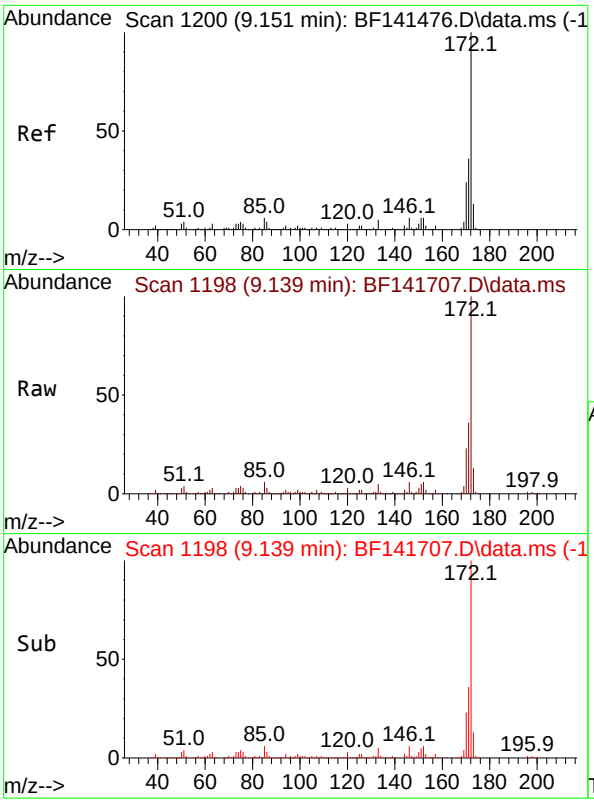


#44
2,4,5-Trichlorophenol
Concen: 40.484 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:196 Resp: 152182

Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.8	119.8
97	54.1	44.8	67.2
132	30.1	23.9	35.9

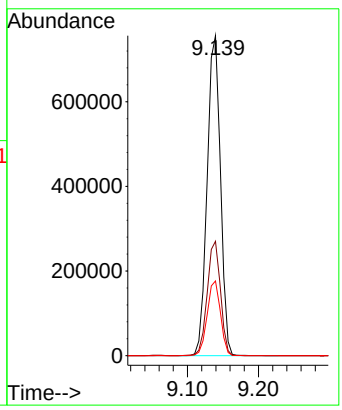




#45
2-Fluorobiphenyl
Concen: 81.821 ng
RT: 9.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:172 Resp: 98512

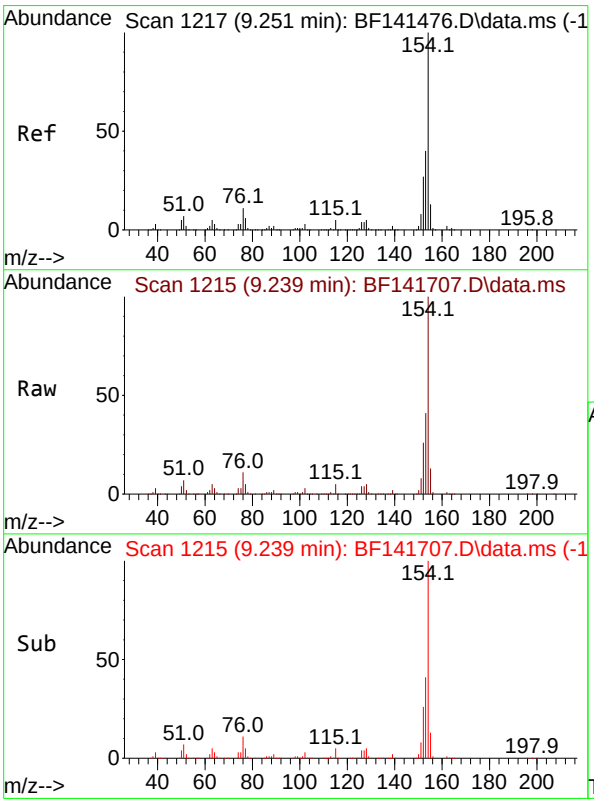
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.4	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

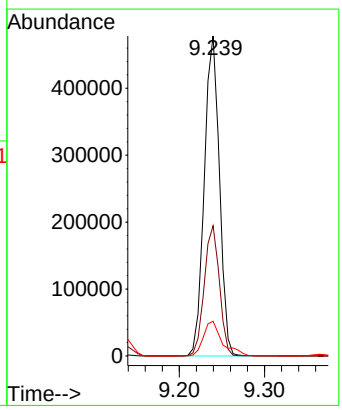
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

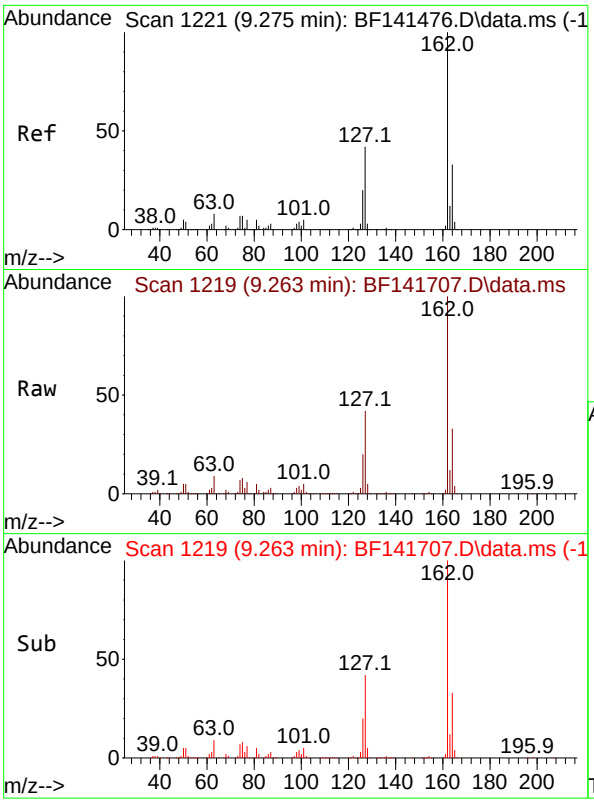


#46
1,1'-Biphenyl
Concen: 40.963 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:154 Resp: 589083

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	10.9	0.0	30.8

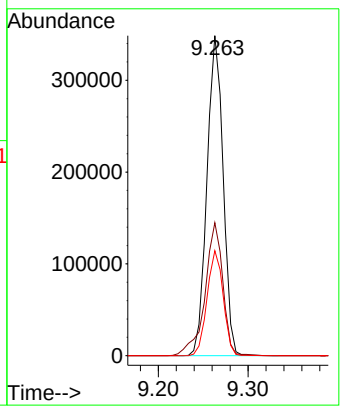




#47
2-Chloronaphthalene
Concen: 41.034 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:162 Resp: 43637

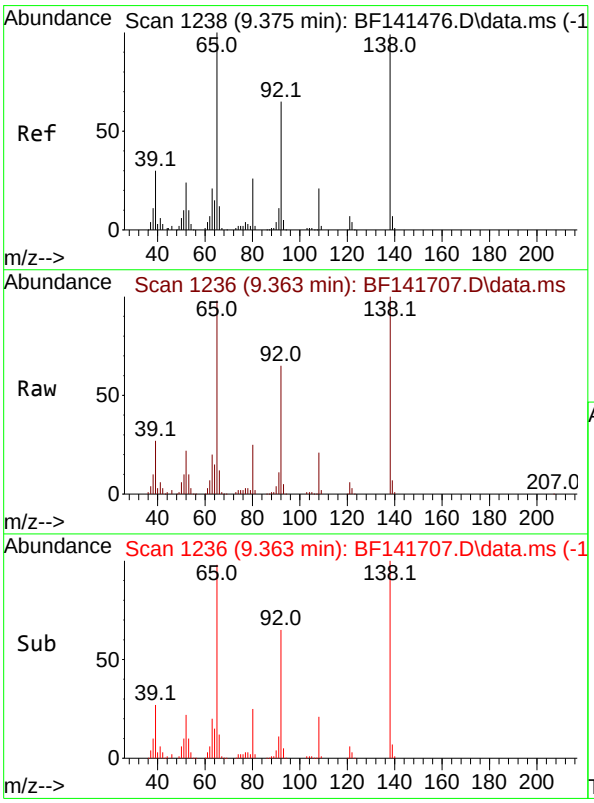
Ion	Ratio	Lower	Upper
162	100		
127	41.5	34.1	51.1
164	32.8	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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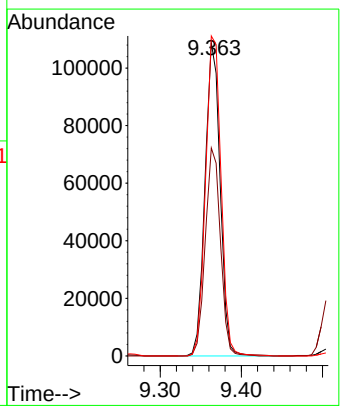
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

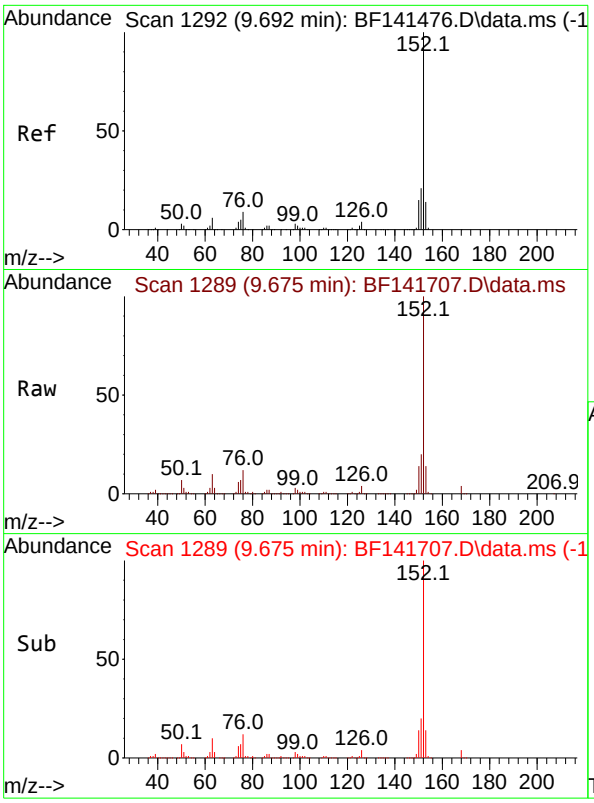


#48
2-Nitroaniline
Concen: 39.348 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 65 Resp: 140428

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.2	78.2
138	102.2	79.5	119.3

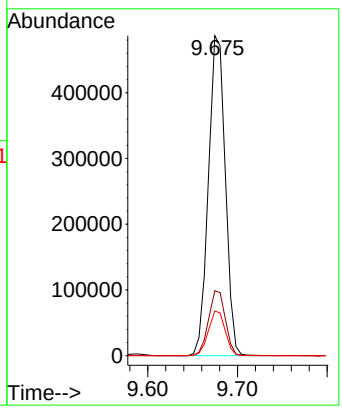




#49
Acenaphthylene
Concen: 40.245 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:152 Resp: 63657

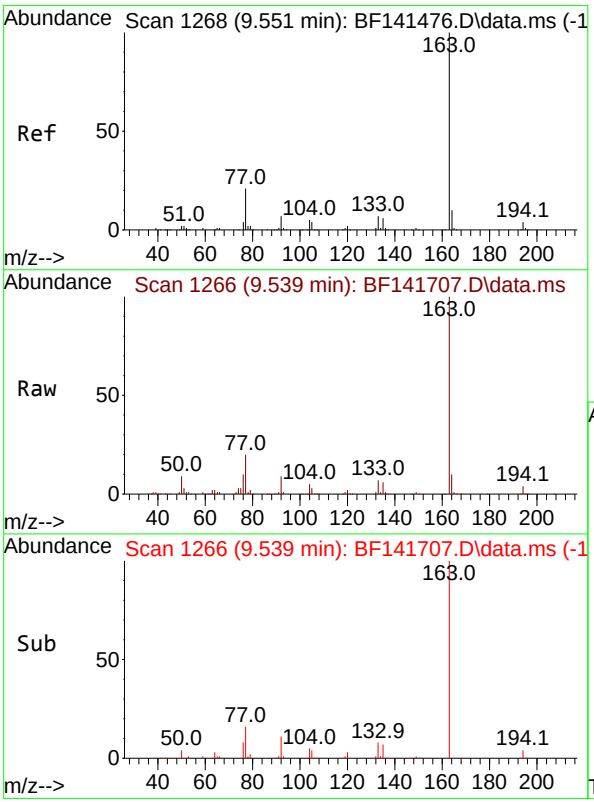
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.9	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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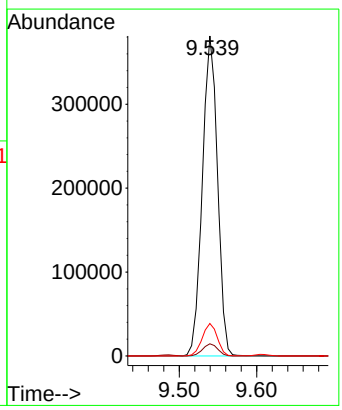
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

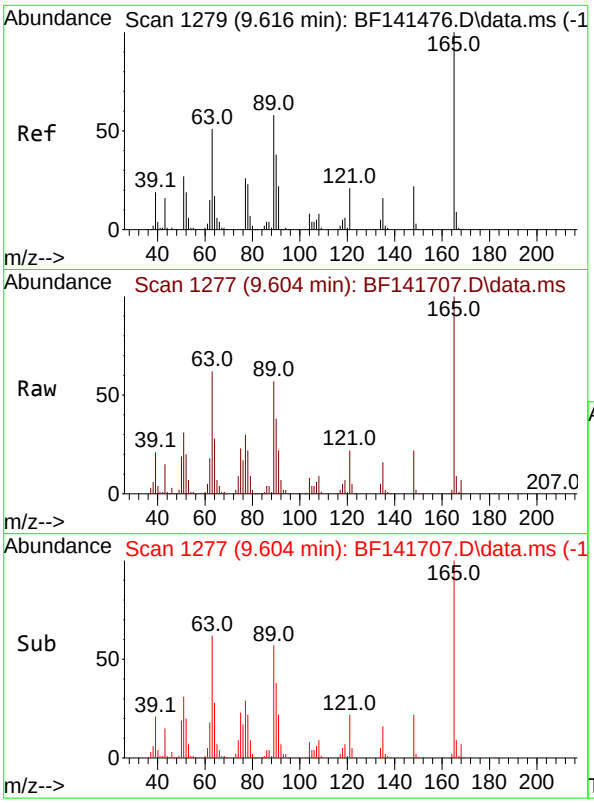


#50
Dimethylphthalate
Concen: 41.114 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:163 Resp: 517733

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: 41.165 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

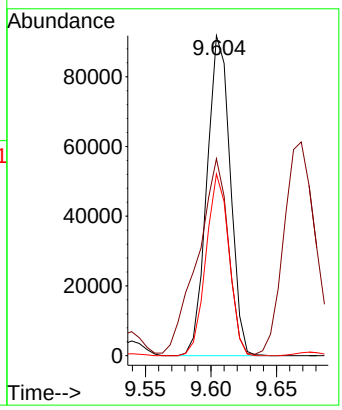
Tgt Ion:165 Resp: 11332

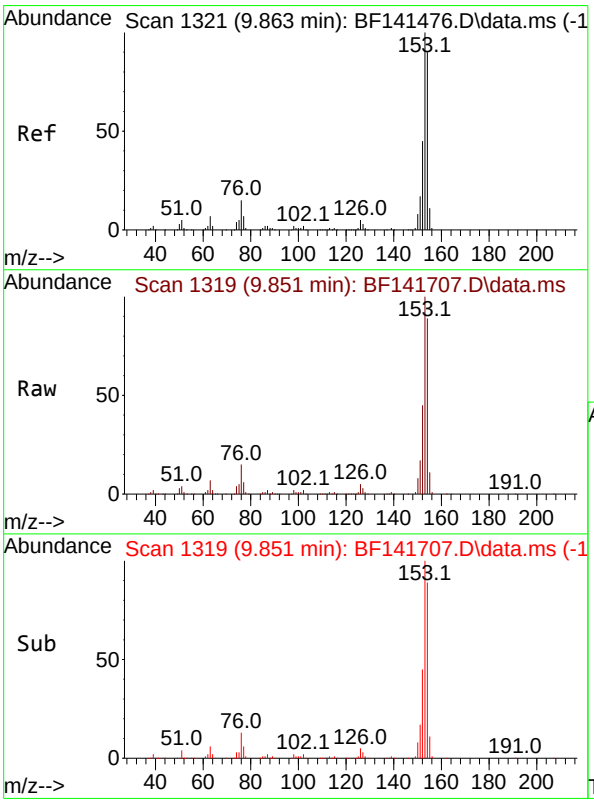
Ion	Ratio	Lower	Upper
165	100		
63	61.5	49.4	74.0
89	56.8	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

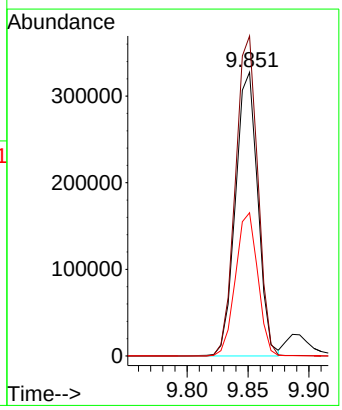


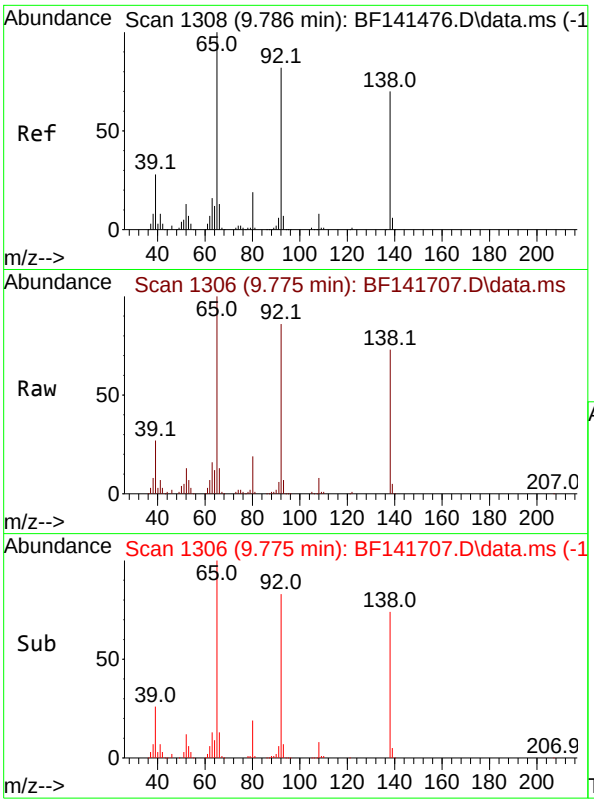


#52
Acenaphthene
Concen: 39.387 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:154 Resp: 418833

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.2	133.8
152	50.5	39.8	59.8





#53
3-Nitroaniline
Concen: 38.451 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

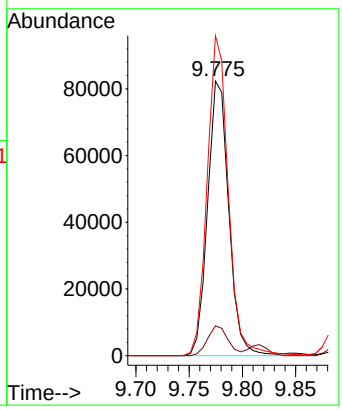
Tgt Ion:138 Resp: 11392

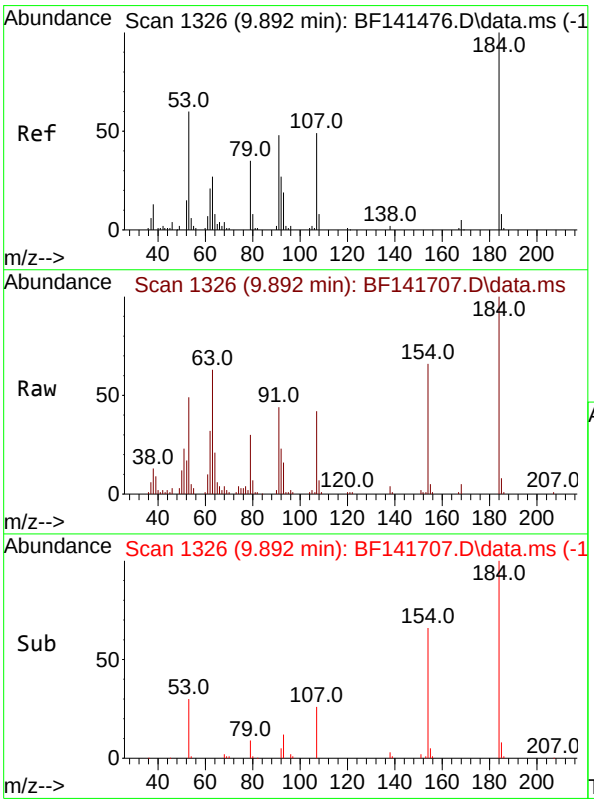
Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	116.5	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

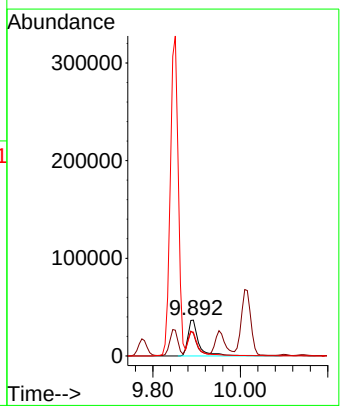


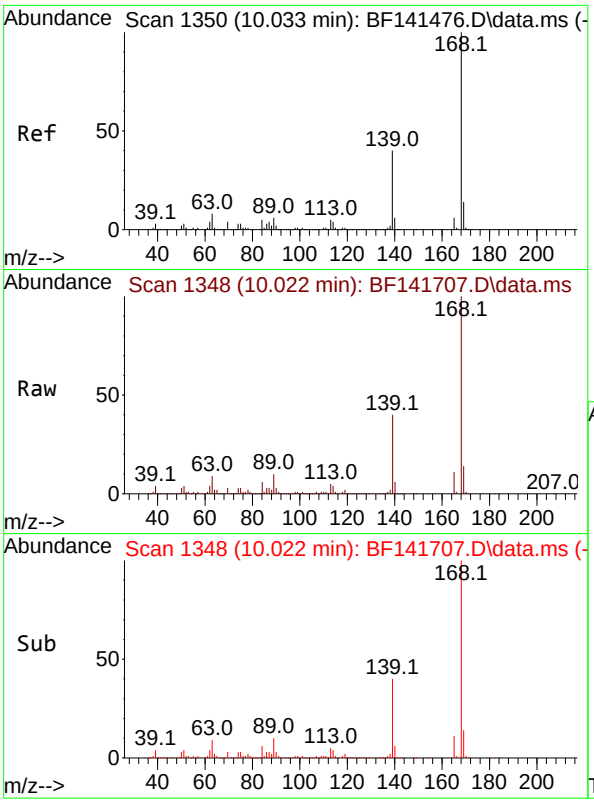


#54
2,4-Dinitrophenol
Concen: 39.281 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:184 Resp: 64268

Ion	Ratio	Lower	Upper
184	100		
63	63.0	61.0	91.6
154	66.2	59.9	89.9

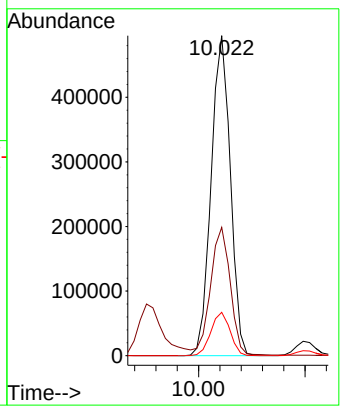




#55
Dibenzofuran
Concen: 39.676 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:168 Resp: 61928

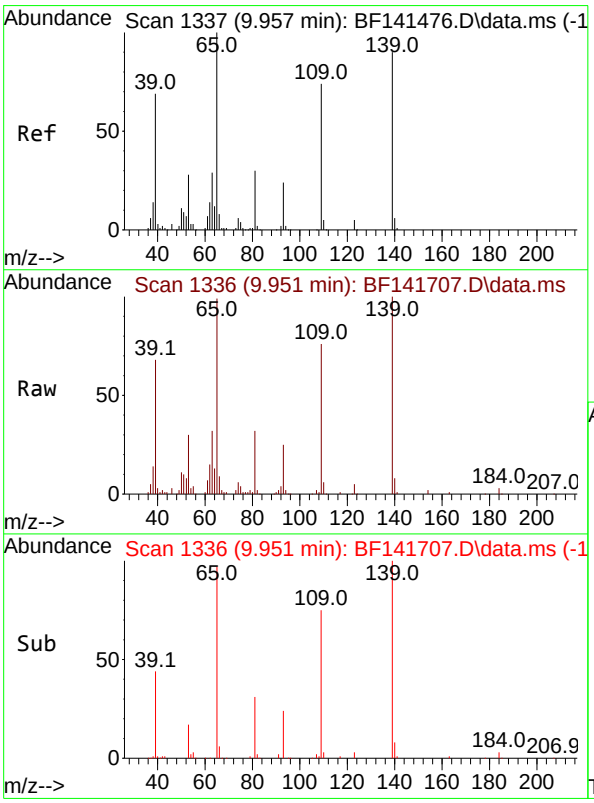
Ion	Ratio	Lower	Upper
168	100		
139	40.1	32.7	49.1
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

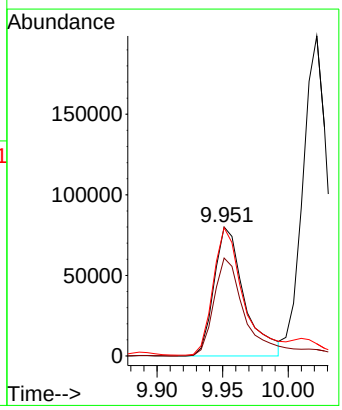
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

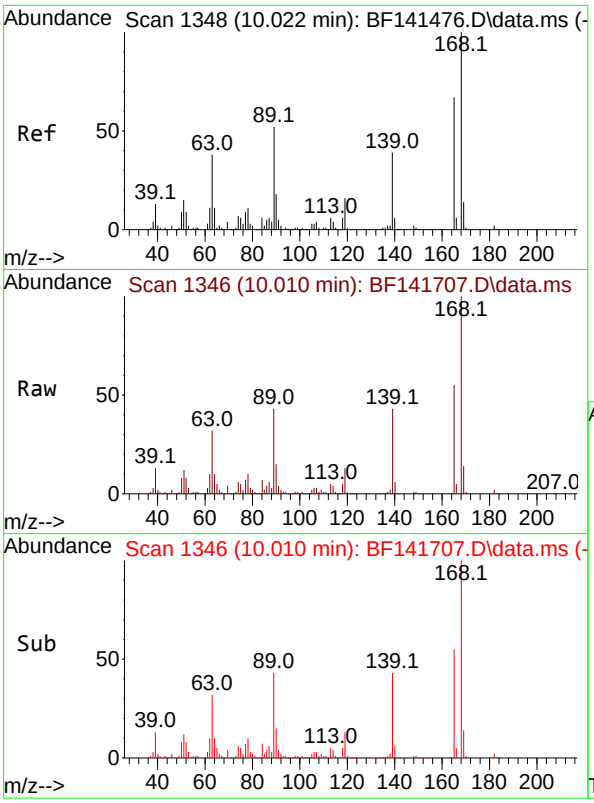


#56
4-Nitrophenol
Concen: 58.361 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:139 Resp: 128362

Ion	Ratio	Lower	Upper
139	100		
109	75.9	62.0	102.0
65	99.5	91.2	131.2

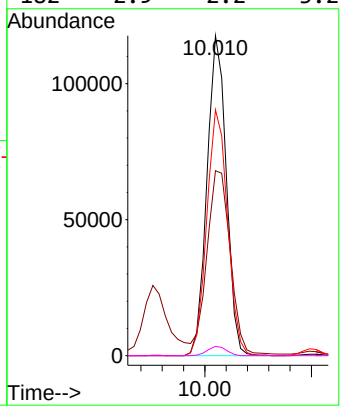




#57
2,4-Dinitrotoluene
Concen: 40.436 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:165 Resp: 14818

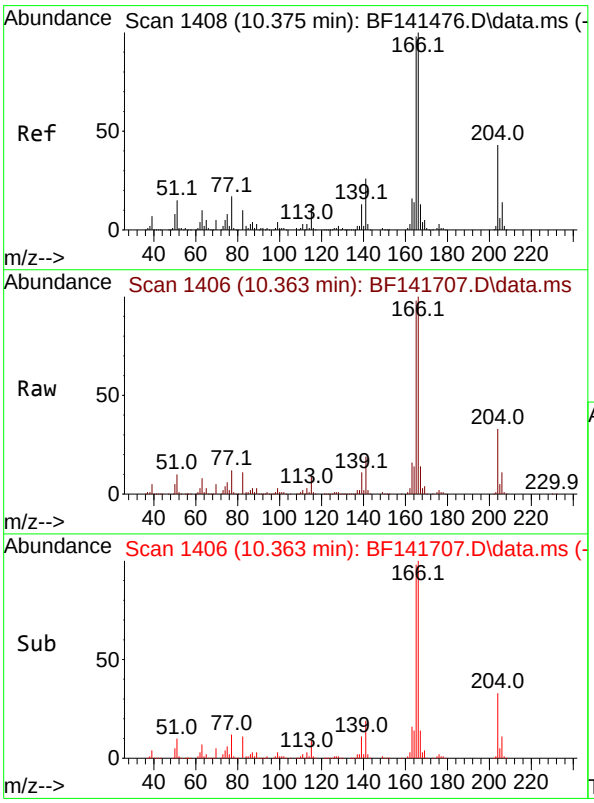
Ion	Ratio	Lower	Upper
165	100		
63	57.8	46.4	69.6
89	76.9	61.8	92.6
182	2.9	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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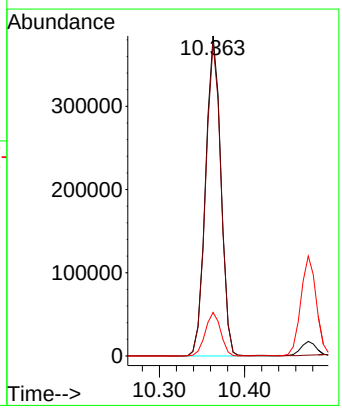
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

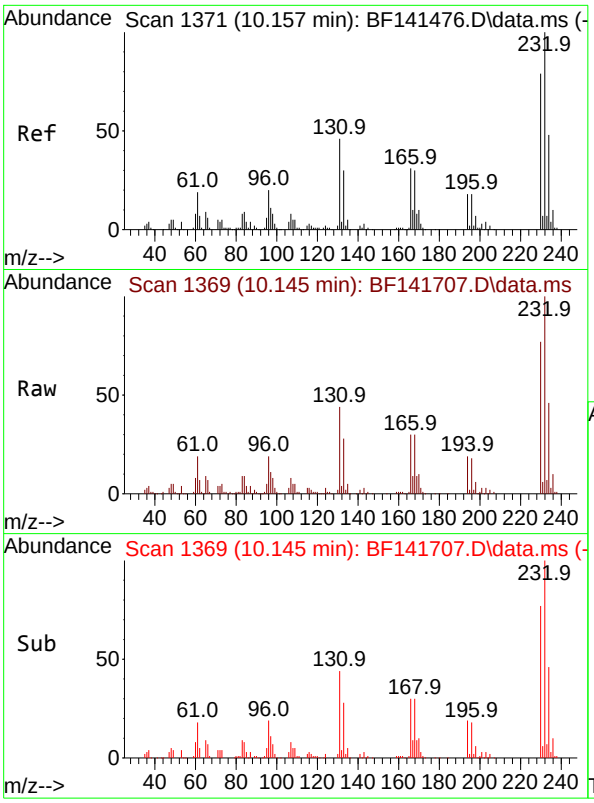


#58
Fluorene
Concen: 39.706 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:166 Resp: 479194

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.6	10.7	16.1

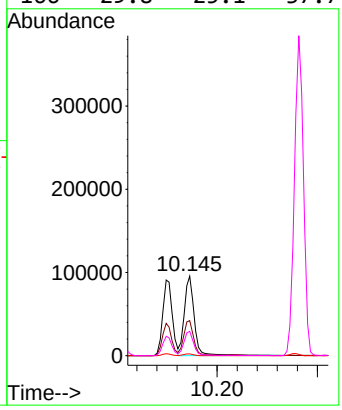




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.303 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:232 Resp: 13043

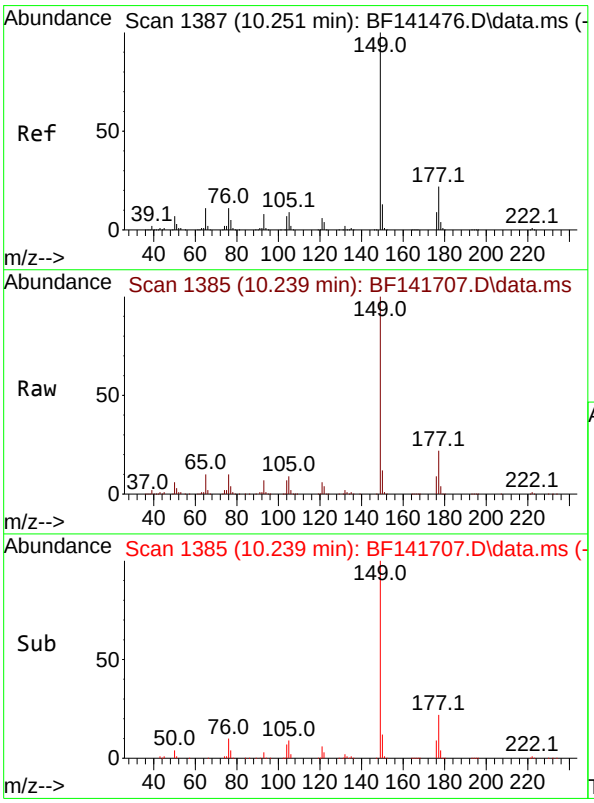
Ion	Ratio	Lower	Upper
232	100		
131	44.9	39.2	58.8
130	2.2	2.1	3.1
166	29.8	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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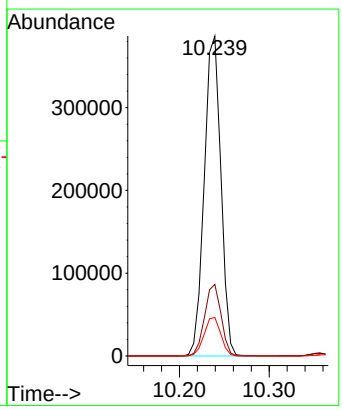
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

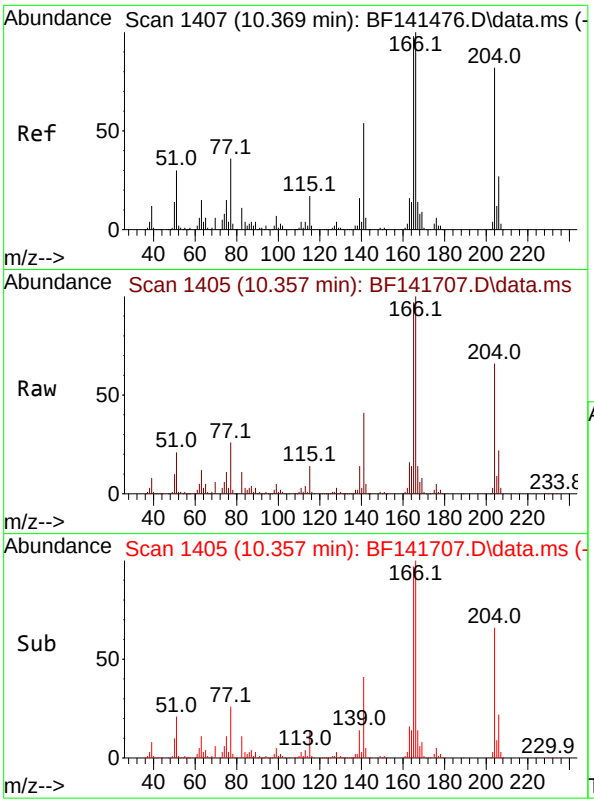


#60
Diethylphthalate
Concen: 40.216 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 498264

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.0	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.461 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

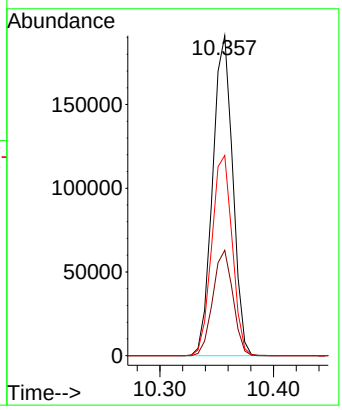
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

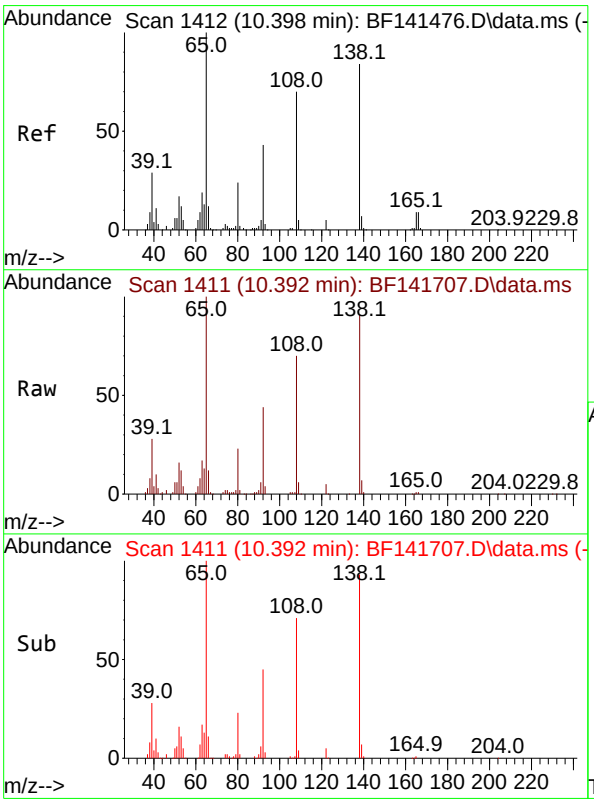
Tgt Ion:204 Resp: 23491

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	62.5	51.9	77.9

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

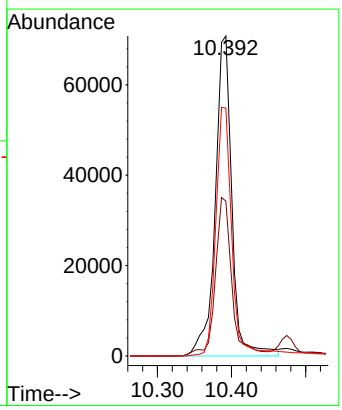


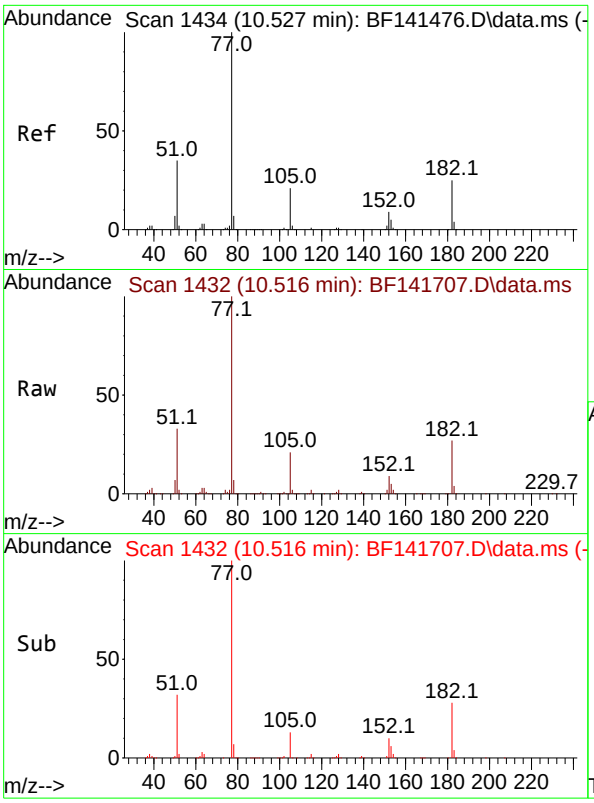


#62
4-Nitroaniline
Concen: 36.727 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:138 Resp: 110495

Ion	Ratio	Lower	Upper
138	100		
92	48.4	31.3	71.3
108	77.4	63.7	103.7





#63
Azobenzene
Concen: 38.532 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

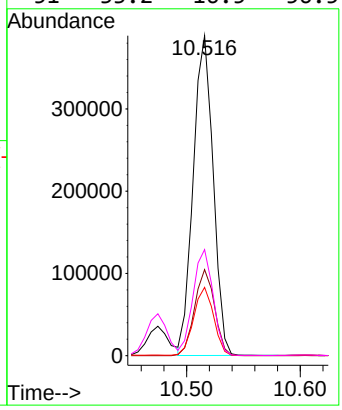
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

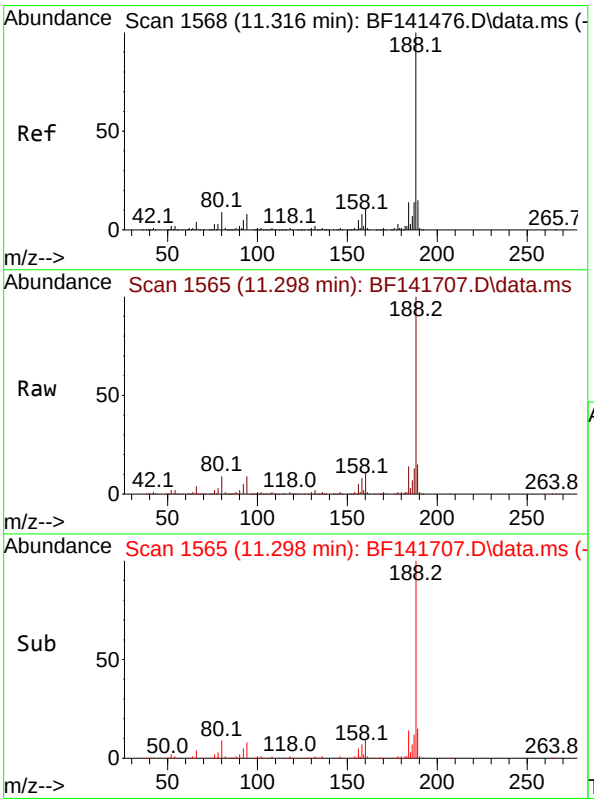
Tgt Ion: 77 Resp: 47459

Ion	Ratio	Lower	Upper
77	100		
182	26.9	4.7	44.7
105	21.4	0.4	40.4
51	33.2	16.5	56.5

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

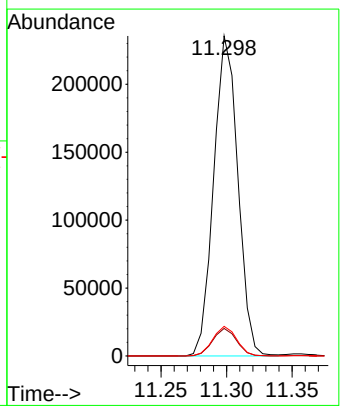


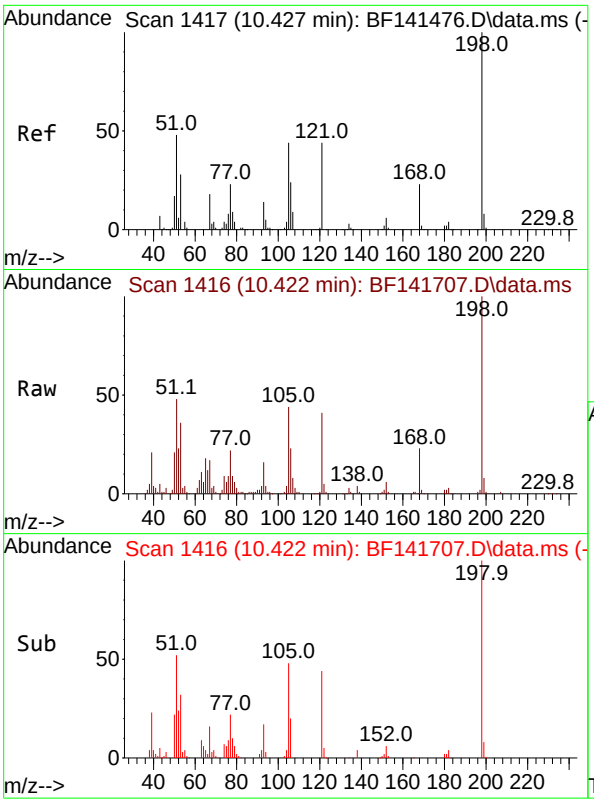


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:188 Resp: 301785

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9

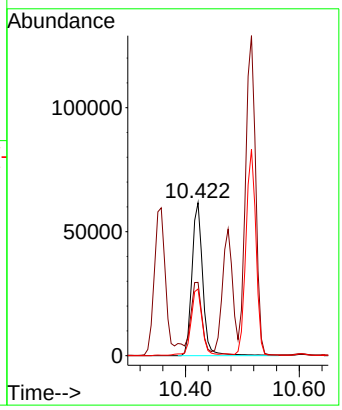




#65
4,6-Dinitro-2-methylphenol
Concen: 39.122 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:198 Resp: 8201

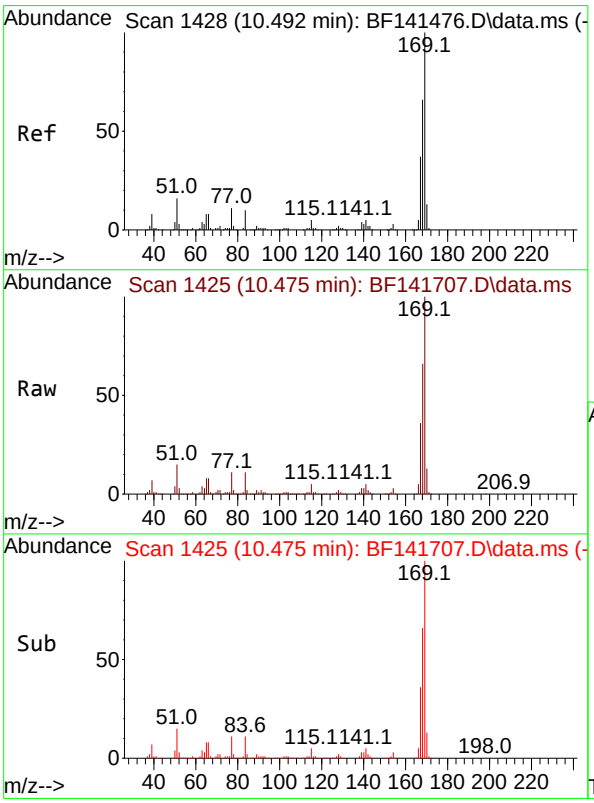
Ion	Ratio	Lower	Upper
198	100		
51	47.9	37.4	77.4
105	43.7	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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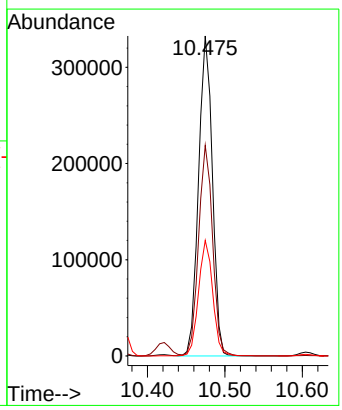
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

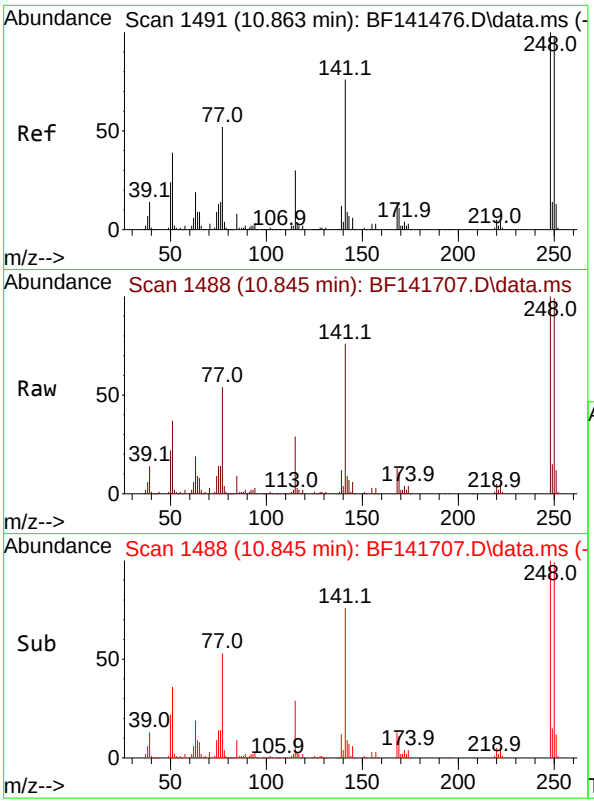


#66
n-Nitrosodiphenylamine
Concen: 42.691 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:169 Resp: 412415

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.3	79.9
167	36.1	29.4	44.2





#67
4-Bromophenyl-phenylether
Concen: 41.918 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

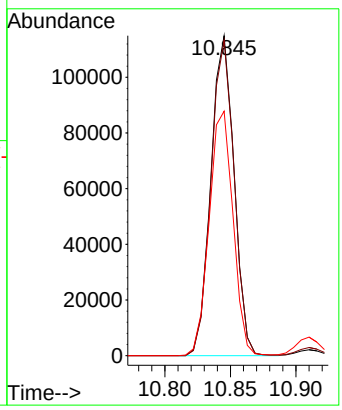
Tgt Ion:248 Resp: 14138

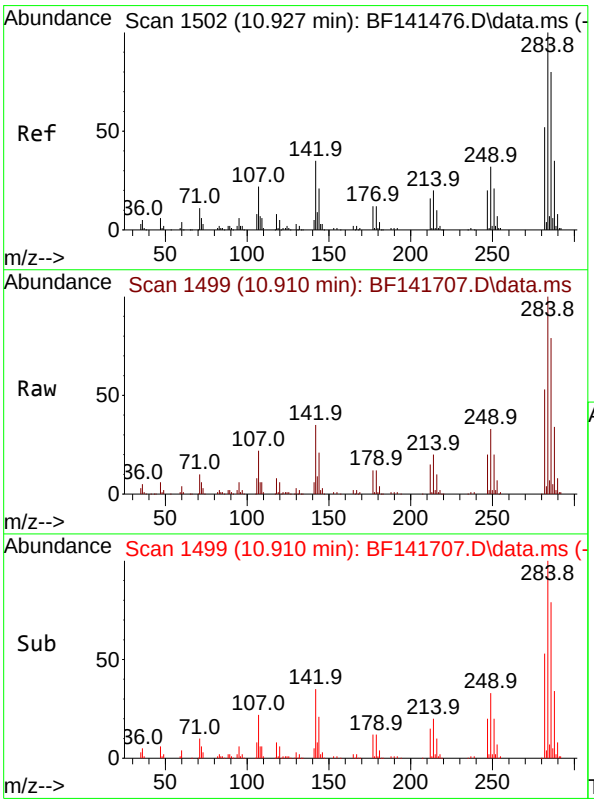
Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.8	116.6
141	76.4	60.6	90.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

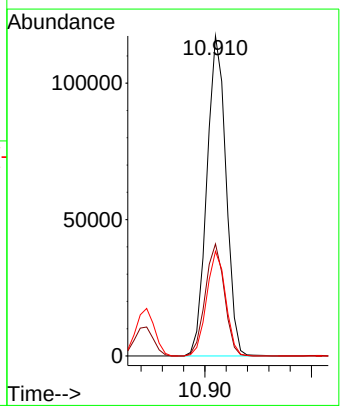


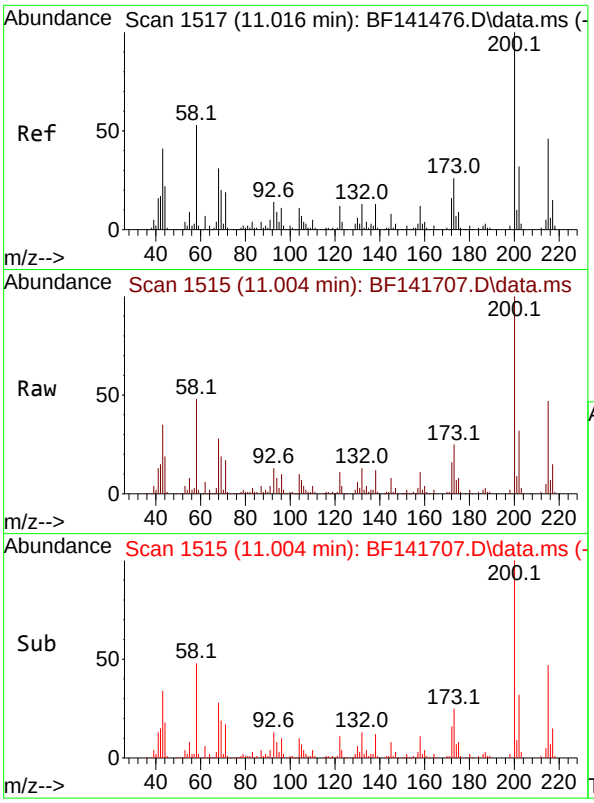


#68
Hexachlorobenzene
Concen: 42.297 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:284 Resp: 146904

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.0	42.0
249	32.7	25.8	38.8

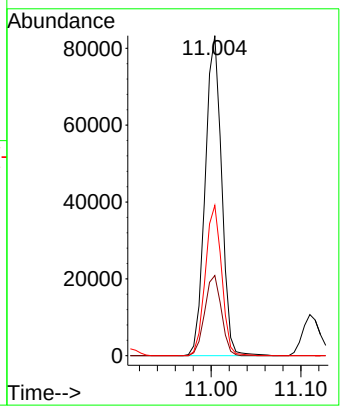




#69
Atrazine
Concen: 36.491 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:200 Resp: 10575

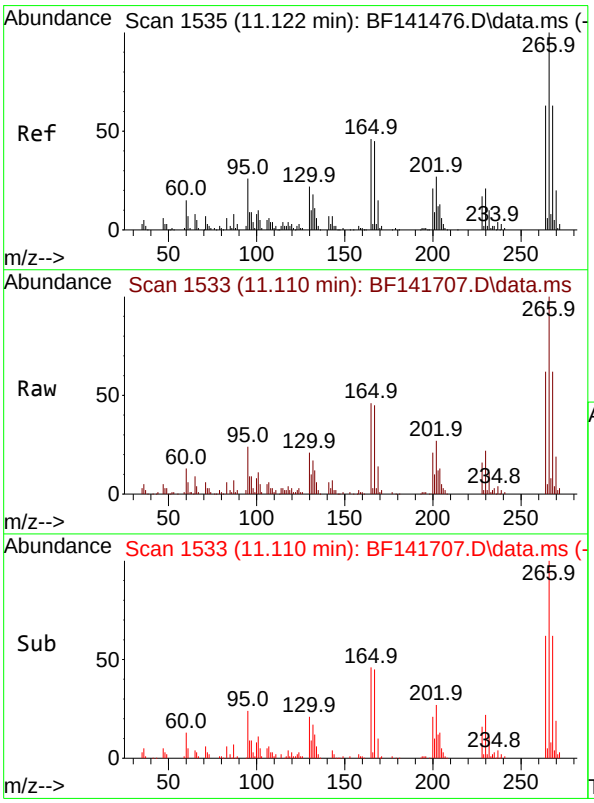
Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.9	45.9
215	46.9	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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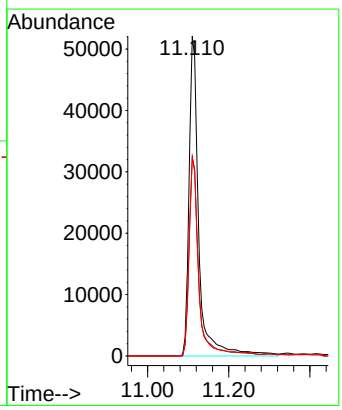
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

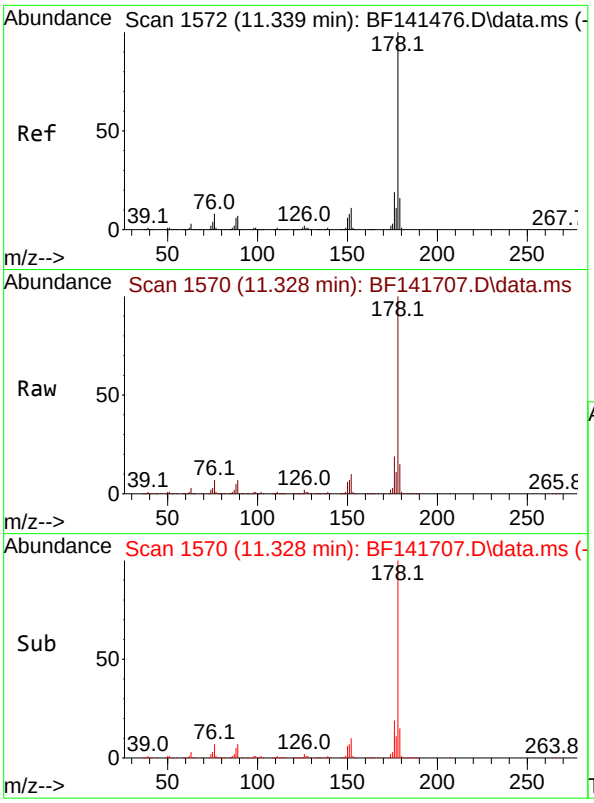


#70
Pentachlorophenol
Concen: 39.252 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:266 Resp: 87169

Ion	Ratio	Lower	Upper
266	100		
268	62.3	50.1	75.1
264	62.1	50.1	75.1

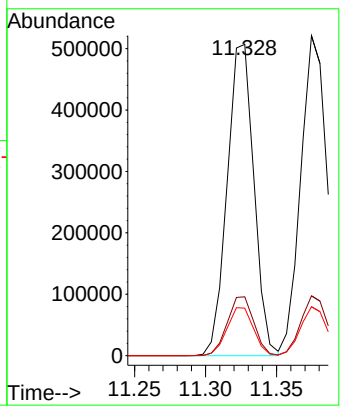




#71
Phenanthrene
Concen: 40.083 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:178 Resp: 66585

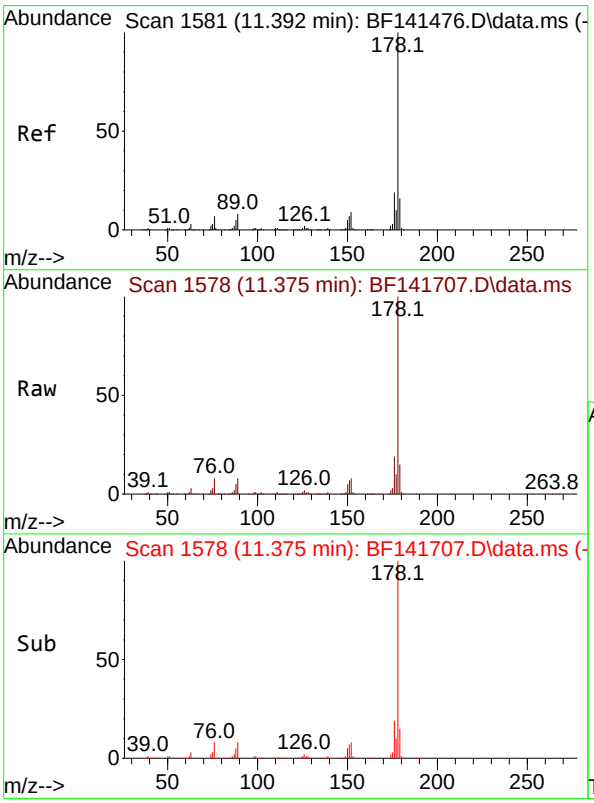
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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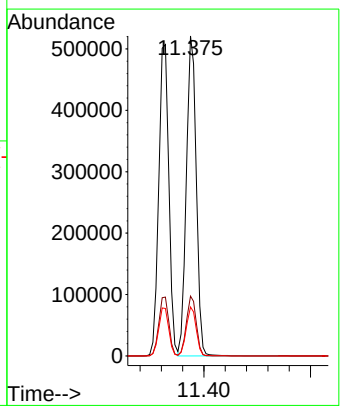
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

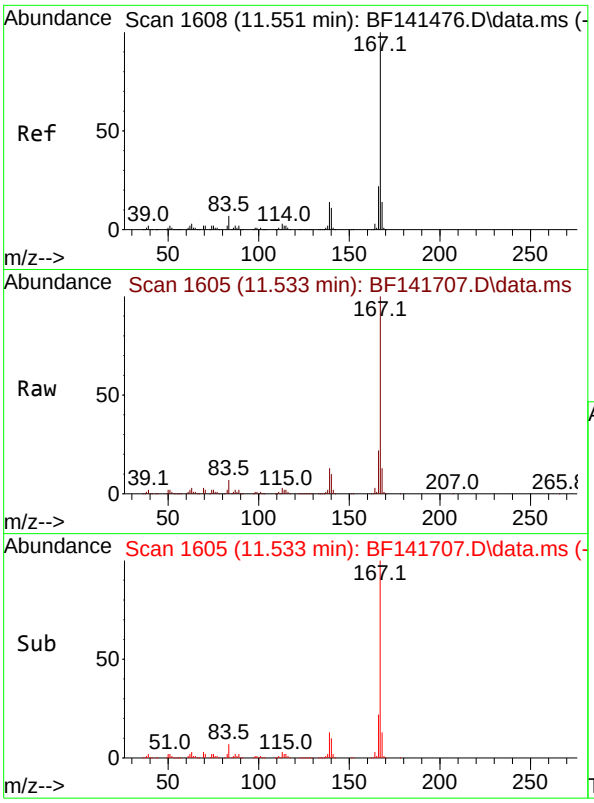


#72
Anthracene
Concen: 40.284 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:178 Resp: 672708

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.3	12.4	18.6

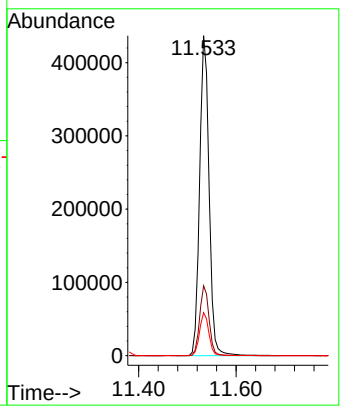




#73
Carbazole
Concen: 39.140 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:167 Resp: 58810

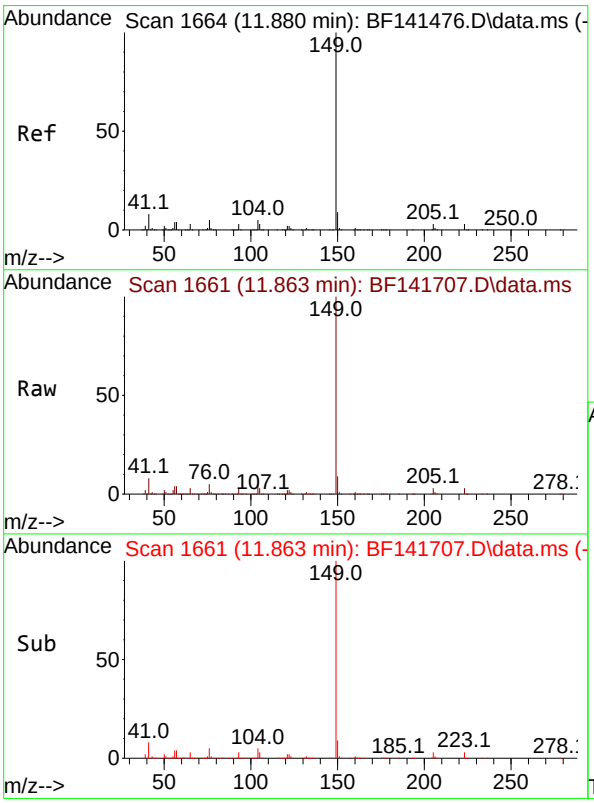
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.4	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

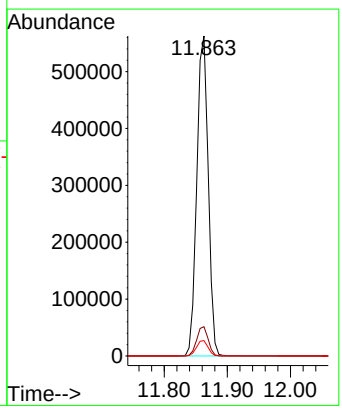
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

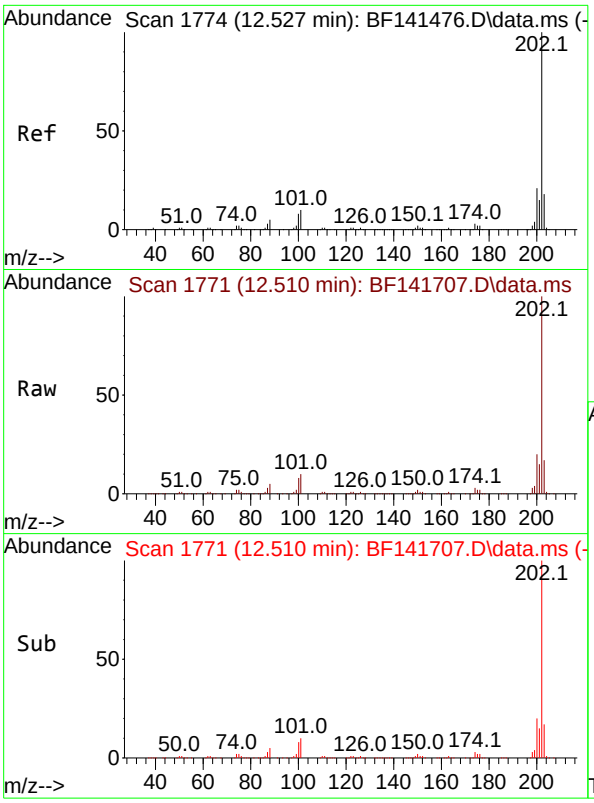


#74
Di-n-butylphthalate
Concen: 40.647 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 705215

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	4.2	6.2

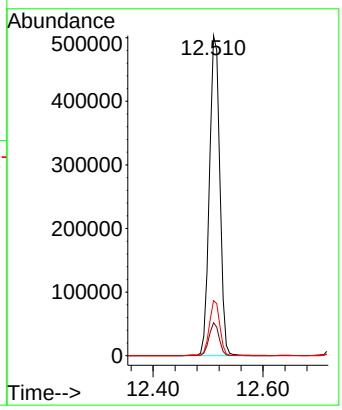




#75
Fluoranthene
Concen: 37.569 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:202 Resp: 66165

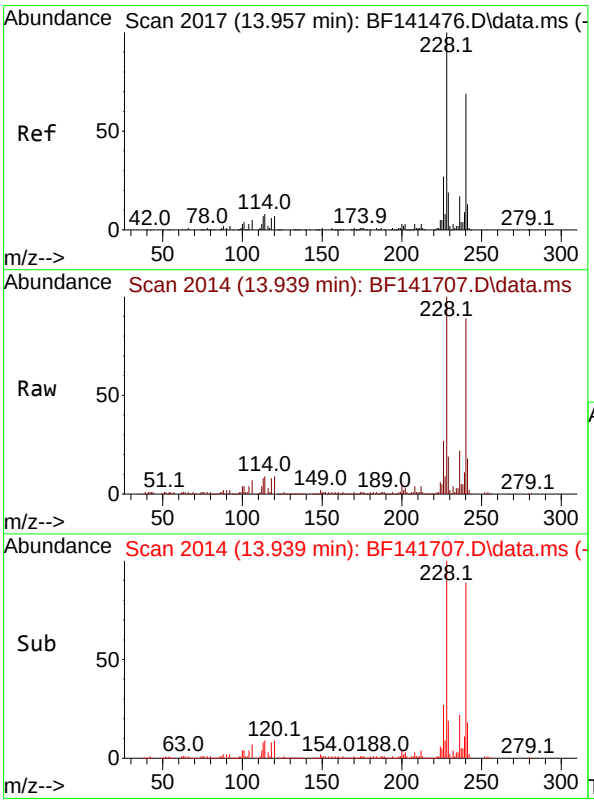
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.2	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

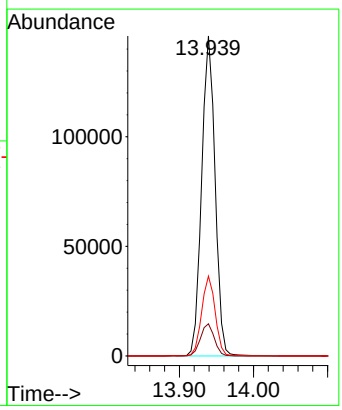
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

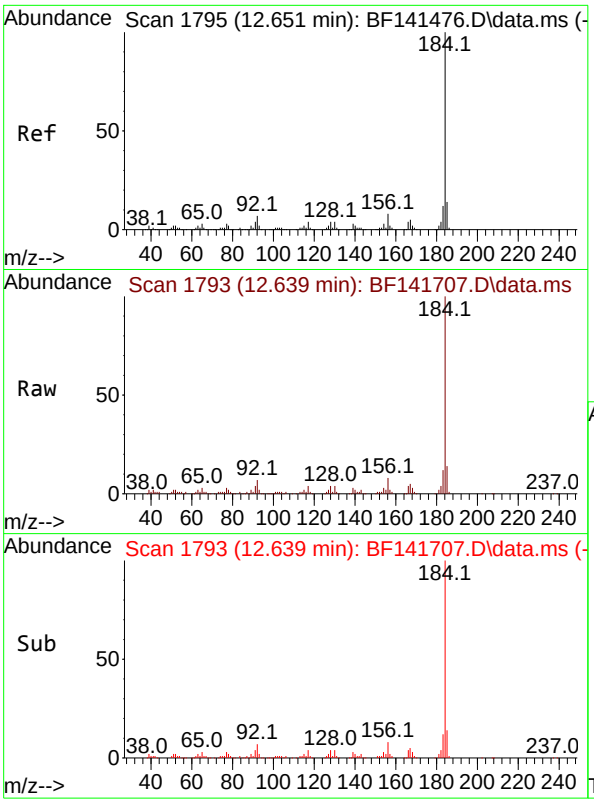


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:240 Resp: 183935

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.9	19.8	29.8

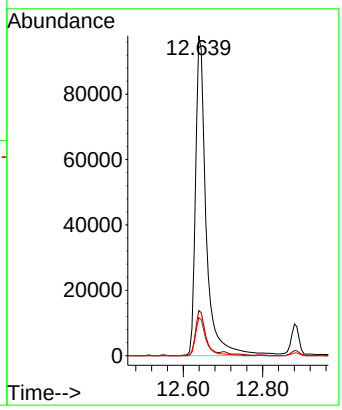




#77
Benzidine
Concen: 45.009 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:184 Resp: 18258

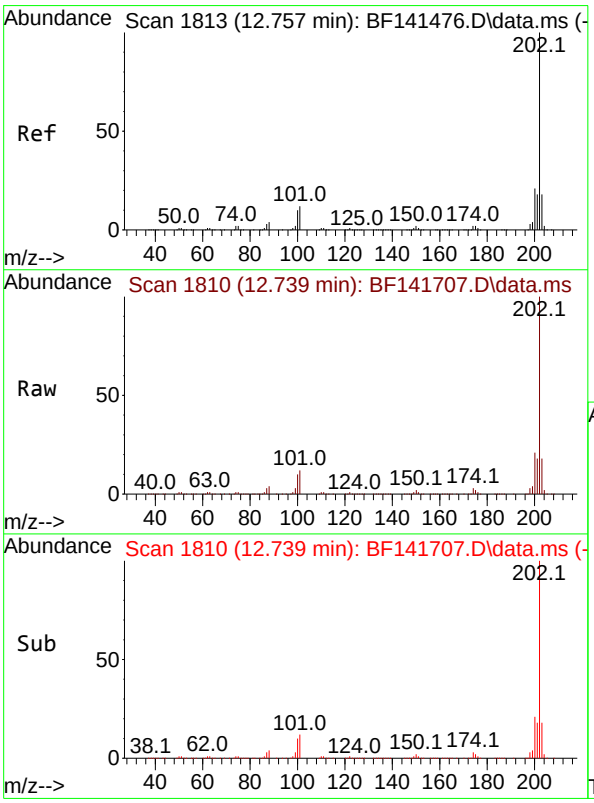
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.9	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

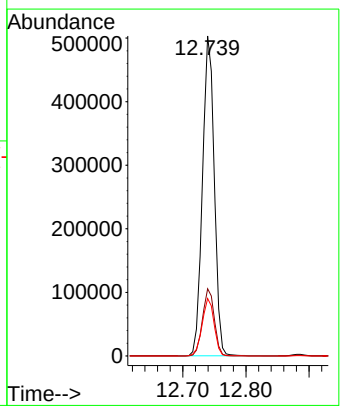
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

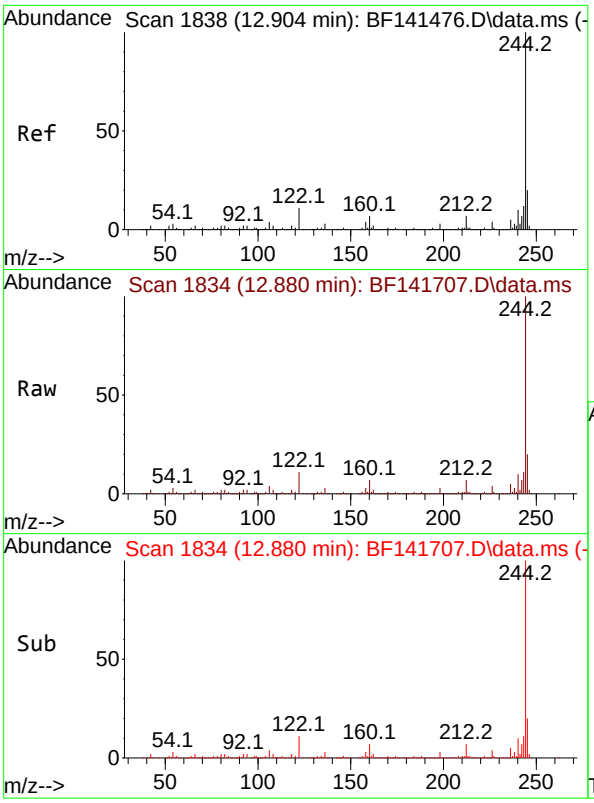


#78
Pyrene
Concen: 41.757 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:202 Resp: 653830

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.0	14.3	21.5

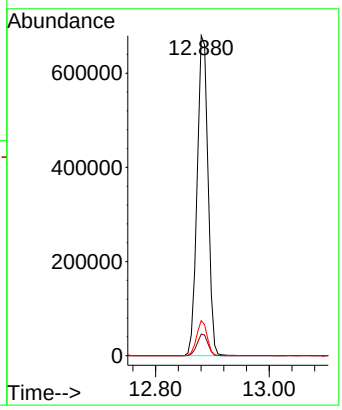




#79
Terphenyl-d14
Concen: 83.229 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:244 Resp: 90682

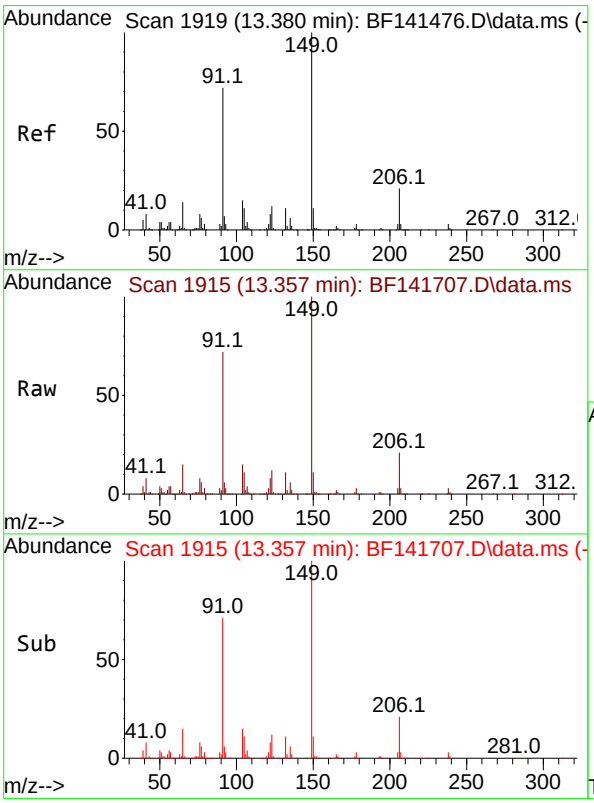
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

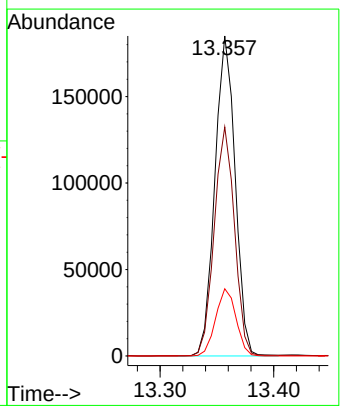
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

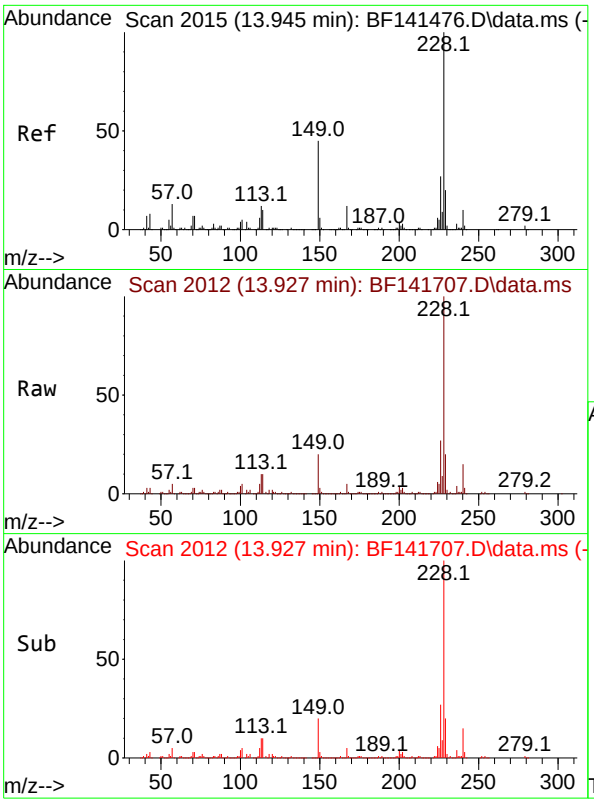


#80
Butylbenzylphthalate
Concen: 42.347 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 229665

Ion	Ratio	Lower	Upper
149	100		
91	71.5	57.8	86.8
206	21.0	16.7	25.1

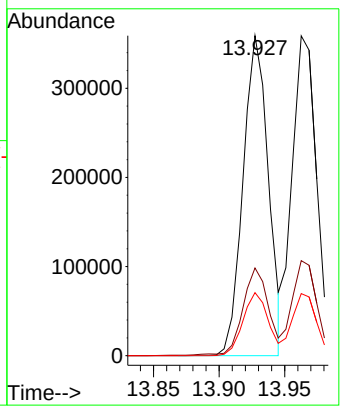




#81
Benzo(a)anthracene
Concen: 39.381 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:228 Resp: 48150

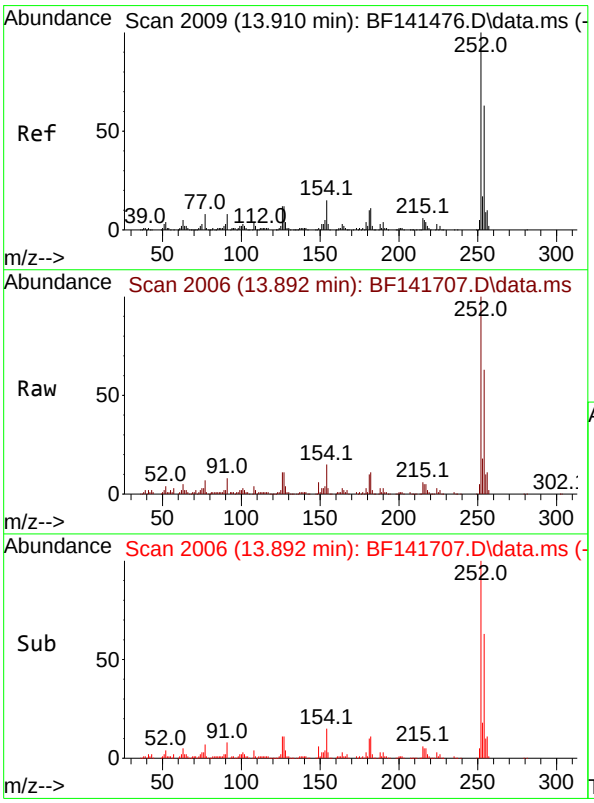
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

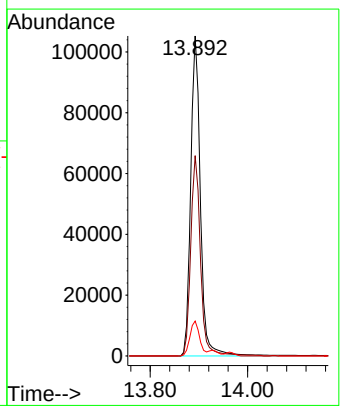
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

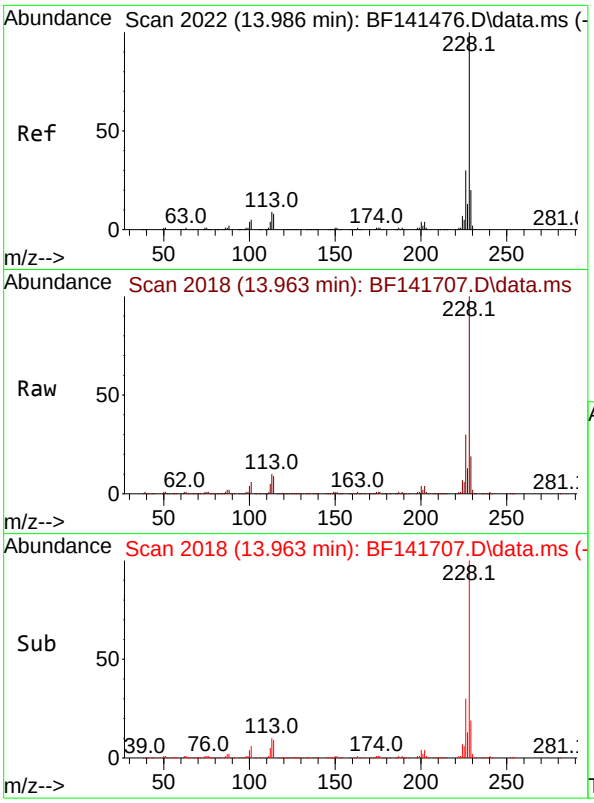


#82
3,3'-Dichlorobenzidine
Concen: 41.708 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 146078

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.6	76.0
126	10.9	9.3	13.9

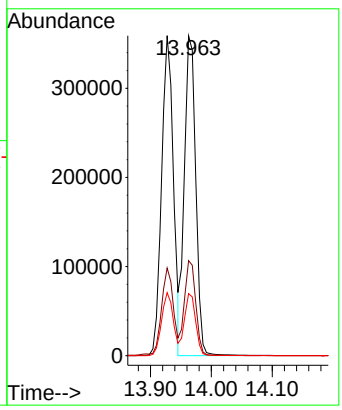




#83
Chrysene
Concen: 41.339 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:228 Resp: 46670

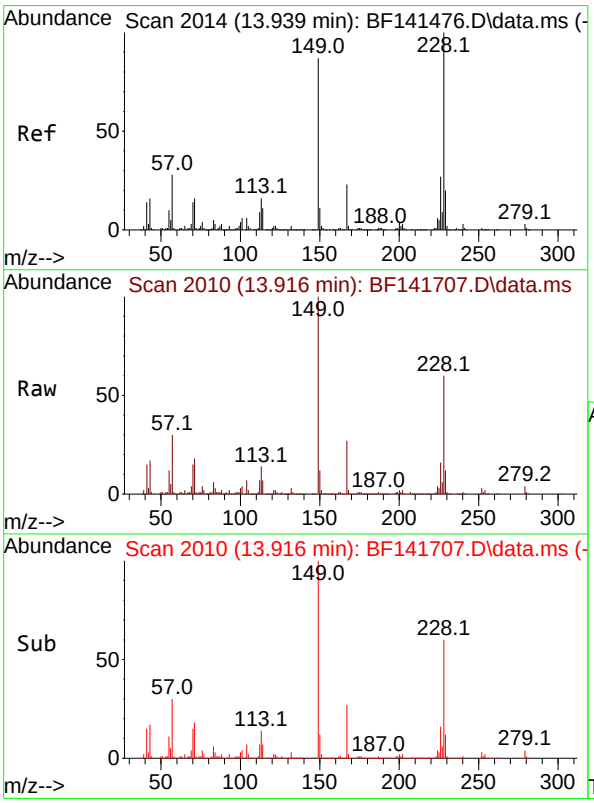
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	19.4	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

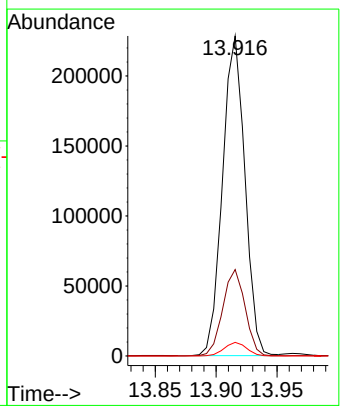
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

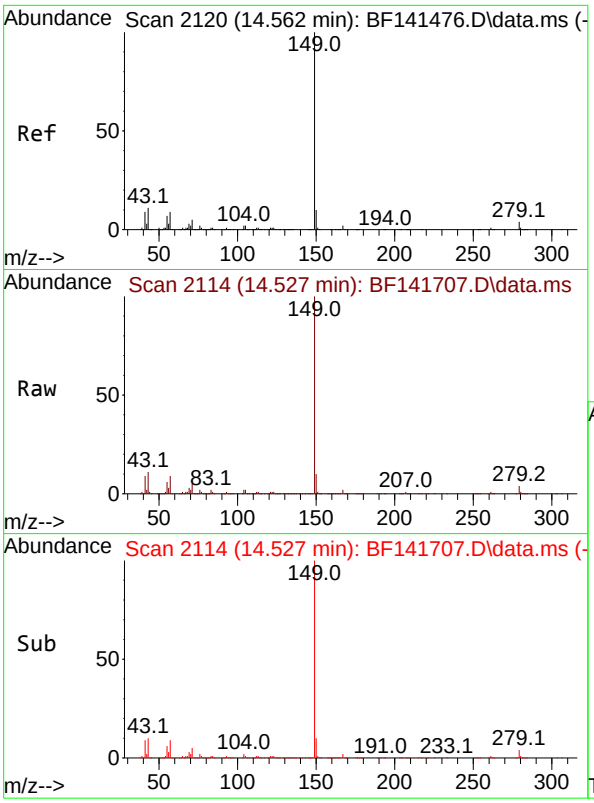


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.787 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 292300

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.3	3.1	4.7

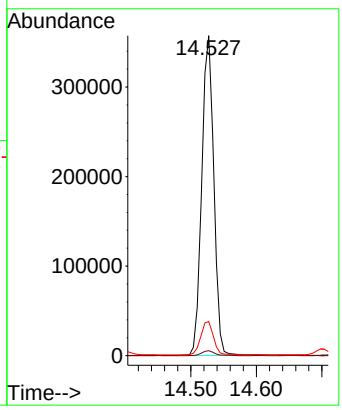




#85
Di-n-octyl phthalate
Concen: 52.451 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 45769

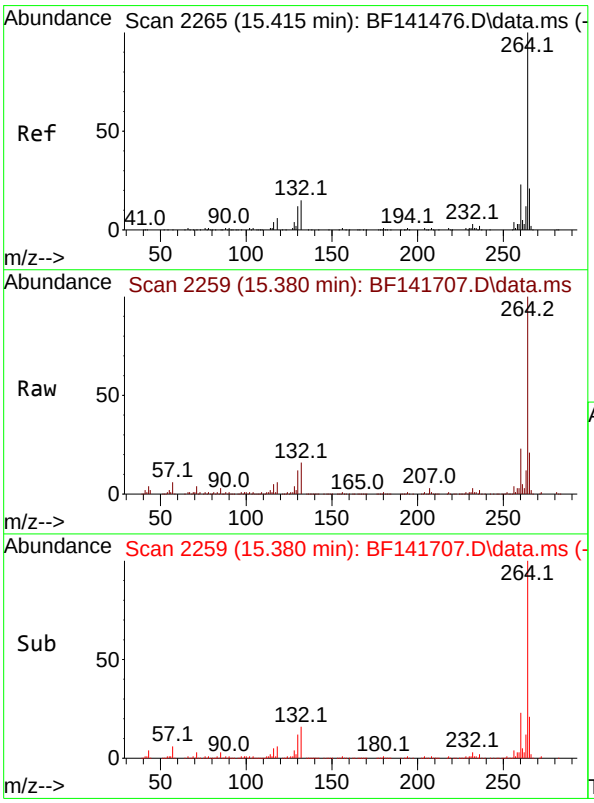
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

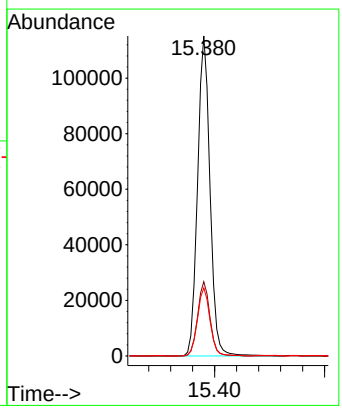
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

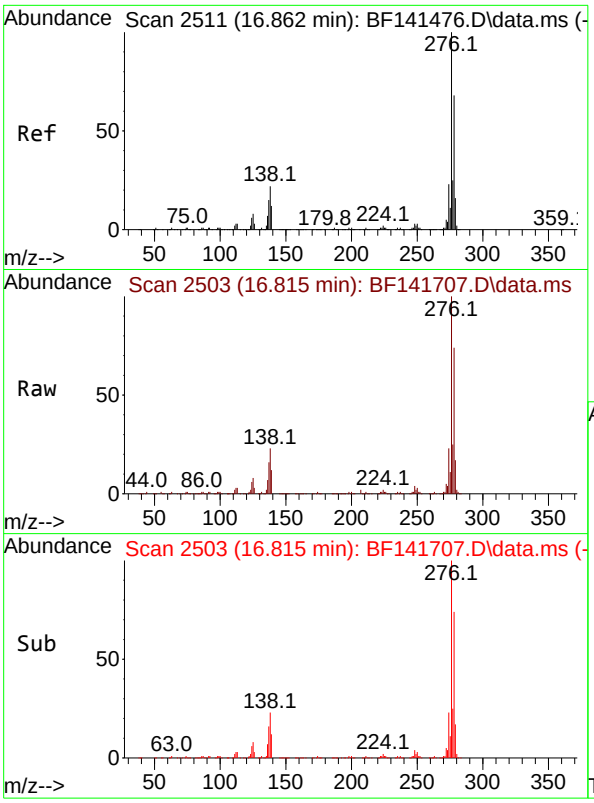


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:264 Resp: 180639

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	17.0	25.4

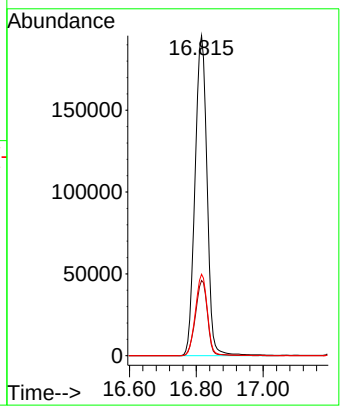




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.757 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:276 Resp: 48839

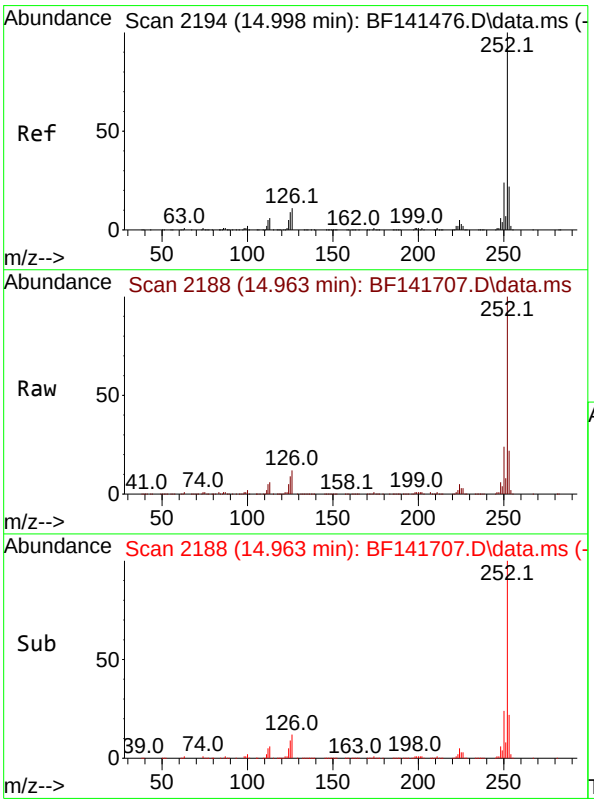
Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.3	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

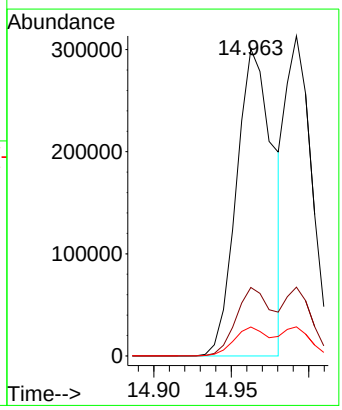
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

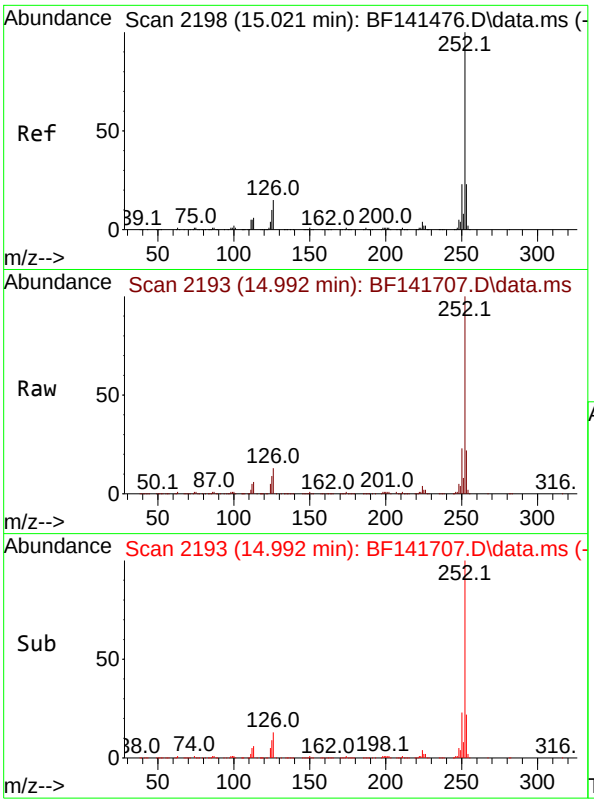


#88
Benzo(b)fluoranthene
Concen: 40.759 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 494368

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.4	7.0	10.6

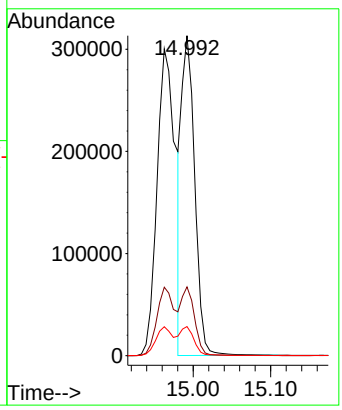




#89
Benzo(k)fluoranthene
Concen: 35.898 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 37179

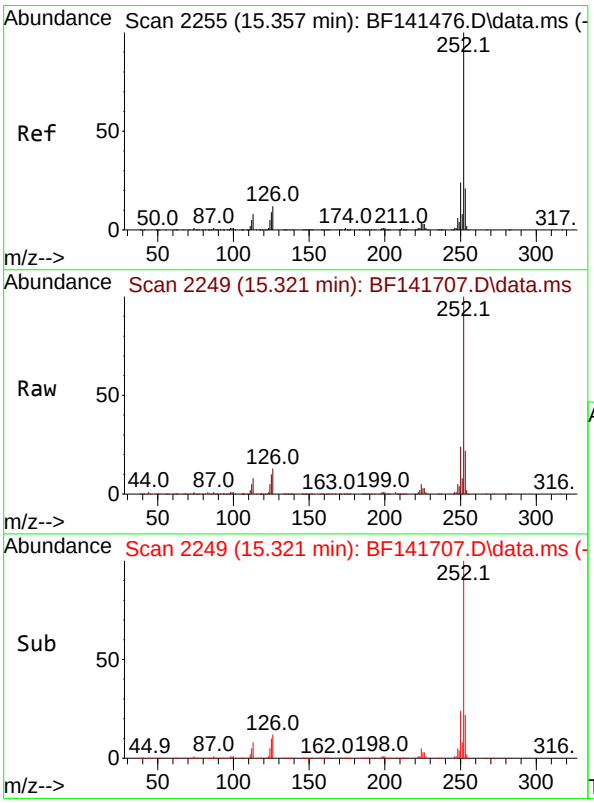
Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	9.1	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

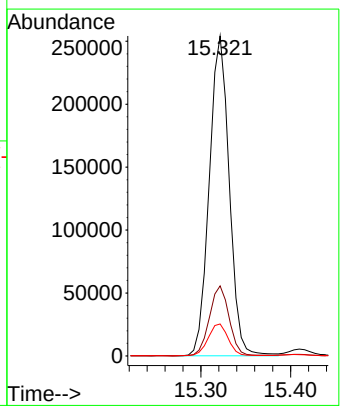
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

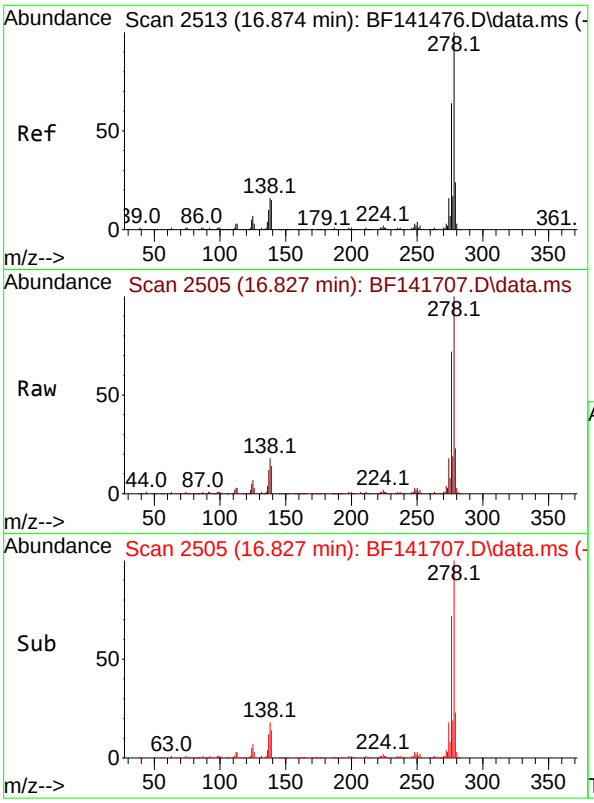


#90
Benzo(a)pyrene
Concen: 39.976 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 392343

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.0	7.4	11.2

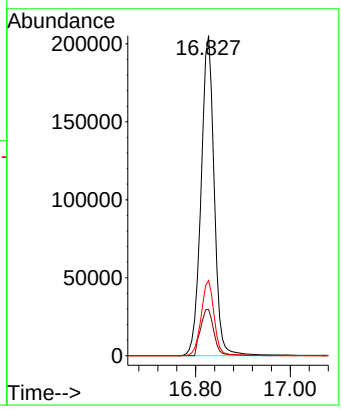




#91
Dibenzo(a,h)anthracene
Concen: 43.788 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.064 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:278 Resp: 39601

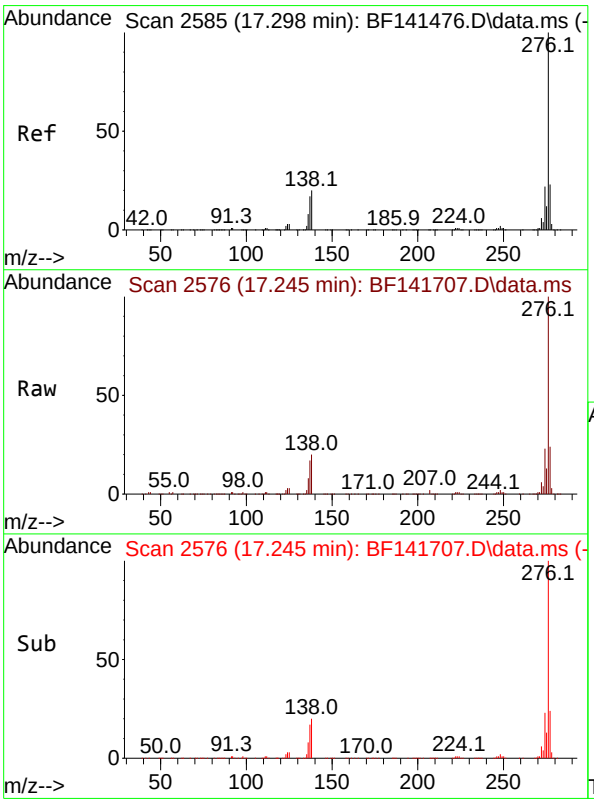
Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.8	17.6
279	23.5	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

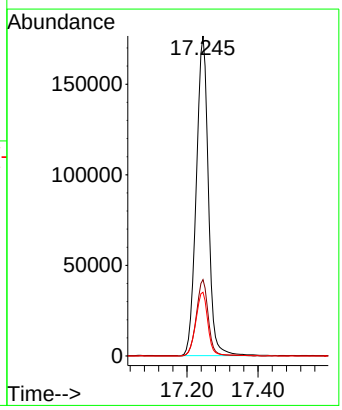
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025



#92
Benzo(g,h,i)perylene
Concen: 44.154 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:276 Resp: 417878

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	19.9	15.9	23.9



Sample Results: **BF141707.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 17:37:12 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	99	-0.01
2		1,4-Dioxane	0.513	0.531	-3.5	101	0.00
3		Pyridine	1.222	1.321	-8.1	103	-0.02
4		n-Nitrosodimethylamine	0.809	0.764	5.6	92	-0.03
5	S	2-Fluorophenol	1.276	1.341	-5.1	103	-0.01
6		Aniline	1.513	1.491	1.5	96	-0.02
7	S	Phenol-d6	1.612	1.636	-1.5	100	-0.02
8		2-Chlorophenol	1.378	1.422	-3.2	102	-0.02
9		Benzaldehyde	0.857	0.847	1.2	102	0.00
10	C	Phenol	1.678	1.720	-2.5	101	-0.02
11		bis(2-Chloroethyl)ether	1.261	1.295	-2.7	101	-0.01
12		1,3-Dichlorobenzene	1.455	1.517	-4.3	104	-0.01
13	C	1,4-Dichlorobenzene	1.487	1.559	-4.8	105	-0.01
14		1,2-Dichlorobenzene	1.380	1.458	-5.7	105	-0.01
15		Benzyl Alcohol	1.236	1.213	1.9	95	-0.01
16		2,2'-oxybis(1-Chloropropane	2.158	2.060	4.5	94	-0.01
17		2-Methylphenol	1.079	1.091	-1.1	100	-0.01
18		Hexachloroethane	0.550	0.570	-3.6	102	-0.01
19	P	n-Nitroso-di-n-propylamine	0.964	0.968	-0.4	98	-0.02
20		3+4-Methylphenols	1.371	1.403	-2.3	101	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	99	-0.01
22		Acetophenone	0.498	0.502	-0.8	100	-0.02
23	S	Nitrobenzene-d5	0.383	0.381	0.5	98	-0.02
24		Nitrobenzene	0.374	0.371	0.8	98	-0.01
25		Isophorone	0.611	0.616	-0.8	99	-0.02
26	C	2-Nitrophenol	0.186	0.196	-5.4	100	-0.01
27		2,4-Dimethylphenol	0.217	0.225	-3.7	100	-0.01
28		bis(2-Chloroethoxy)methane	0.392	0.403	-2.8	101	-0.01
29	C	2,4-Dichlorophenol	0.294	0.300	-2.0	100	-0.01
30		1,2,4-Trichlorobenzene	0.320	0.331	-3.4	103	-0.01
31		Naphthalene	1.041	1.043	-0.2	99	-0.01
32		Benzoic acid	0.226	0.192	15.0	83	-0.04
33		4-Chloroaniline	0.363	0.366	-0.8	99	-0.02
34	C	Hexachlorobutadiene	0.192	0.197	-2.6	101	-0.01
35		Caprolactam	0.089	0.090	-1.1	96	-0.04
36	C	4-Chloro-3-methylphenol	0.325	0.323	0.6	97	-0.01
37		2-Methylnaphthalene	0.677	0.677	0.0	100	-0.01
38		1-Methylnaphthalene	0.656	0.653	0.5	98	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.579	0.599	-3.5	98	-0.01
41	P	Hexachlorocyclopentadiene	0.192	0.250	-30.2#	118	-0.01
42	S	2,4,6-Tribromophenol	0.201	0.199	1.0	95	-0.02
43	C	2,4,6-Trichlorophenol	0.374	0.382	-2.1	97	-0.01
44		2,4,5-Trichlorophenol	0.405	0.410	-1.2	96	-0.01
45	S	2-Fluorobiphenyl	1.298	1.328	-2.3	100	-0.01
46		1,1'-Biphenyl	1.551	1.588	-2.4	99	-0.02
47		2-Chloronaphthalene	1.147	1.176	-2.5	99	-0.02

Sample Results: **BF141707.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 17:37:12 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	0.379	1.6	93	-0.02
49		Acenaphthylene	1.705	1.716	-0.6	97	-0.02
50		Dimethylphthalate	1.358	1.396	-2.8	99	-0.02
51		2,6-Dinitrotoluene	0.297	0.305	-2.7	97	-0.02
52	C	Acenaphthene	1.147	1.129	1.6	94	-0.02
53		3-Nitroaniline	0.319	0.307	3.8	92	-0.02
54	P	2,4-Dinitrophenol	0.176	0.173	1.7	94	-0.01
55		Dibenzofuran	1.683	1.669	0.8	96	-0.02
56	P	4-Nitrophenol	0.237	0.346	-46.0#	133	-0.02
57		2,4-Dinitrotoluene	0.395	0.399	-1.0	96	-0.02
58		Fluorene	1.301	1.292	0.7	96	-0.02
59		2,3,4,6-Tetrachlorophenol	0.349	0.352	-0.9	97	-0.02
60		Diethylphthalate	1.336	1.343	-0.5	97	-0.02
61		4-Chlorophenyl-phenylether	0.626	0.633	-1.1	98	-0.02
62		4-Nitroaniline	0.324	0.298	8.0	85	-0.02
63		Azobenzene	1.328	1.279	3.7	93	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.02
65		4,6-Dinitro-2-methylphenol	0.139	0.136	2.2	86	-0.02
66	c	n-Nitrosodiphenylamine	0.640	0.683	-6.7	98	-0.02
67		4-Bromophenyl-phenylether	0.224	0.234	-4.5	95	-0.02
68		Hexachlorobenzene	0.230	0.243	-5.7	96	-0.02
69		Atrazine	0.192	0.175	8.9	85	-0.02
70	C	Pentachlorophenol	0.147	0.144	2.0	84	-0.02
71		Phenanthrene	1.101	1.103	-0.2	91	-0.02
72		Anthracene	1.107	1.115	-0.7	92	-0.02
73		Carbazole	0.996	0.974	2.2	89	-0.02
74		Di-n-butylphthalate	1.150	1.168	-1.6	92	-0.02
75	C	Fluoranthene	1.167	1.096	6.1	85	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	82	-0.02
77		Benzidine	0.441	0.496	-12.5	77	-0.02
78		Pyrene	1.703	1.777	-4.3	83	-0.02
79	S	Terphenyl-d14	1.185	1.233	-4.1	84	-0.02
80		Butylbenzylphthalate	0.590	0.624	-5.8	84	-0.02
81		Benzo(a)anthracene	1.329	1.309	1.5	79	-0.02
82		3,3'-Dichlorobenzidine	0.381	0.397	-4.2	86	-0.02
83		Chrysene	1.228	1.269	-3.3	86	-0.03
84		Bis(2-ethylhexyl)phthalate	0.665	0.795	-19.5	94	-0.02
85	c	Di-n-octyl phthalate	0.949	1.244	-31.1#	105	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	99	-0.04
87		Indeno(1,2,3-cd)pyrene	1.236	1.352	-9.4	104	-0.06
88		Benzo(b)fluoranthene	1.343	1.368	-1.9	101	-0.04
89		Benzo(k)fluoranthene	1.147	1.029	10.3	89	-0.04
90	C	Benzo(a)pyrene	1.087	1.086	0.1	99	-0.04
91		Dibenzo(a,h)anthracene	1.001	1.096	-9.5	103	-0.06
92		Benzo(g,h,i)perylene	1.048	1.157	-10.4	104	-0.07

Sample Results: **BF141707.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 17:37:12 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 = 1

Sample Results: **BF141707.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 17:37:12 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	99	-0.01
2		1,4-Dioxane	40.000	41.350	-3.4	101	0.00
3		Pyridine	40.000	43.234	-8.1	103	-0.02
4		n-Nitrosodimethylamine	40.000	37.751	5.6	92	-0.03
5	S	2-Fluorophenol	80.000	84.108	-5.1	103	-0.01
6		Aniline	40.000	39.437	1.4	96	-0.02
7	S	Phenol-d6	80.000	81.181	-1.5	100	-0.02
8		2-Chlorophenol	40.000	41.270	-3.2	102	-0.02
9		Benzaldehyde	40.000	39.556	1.1	102	0.00
10	C	Phenol	40.000	40.986	-2.5	101	-0.02
11		bis(2-Chloroethyl)ether	40.000	41.107	-2.8	101	-0.01
12		1,3-Dichlorobenzene	40.000	41.709	-4.3	104	-0.01
13	C	1,4-Dichlorobenzene	40.000	41.942	-4.9	105	-0.01
14		1,2-Dichlorobenzene	40.000	42.273	-5.7	105	-0.01
15		Benzyl Alcohol	40.000	39.234	1.9	95	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.182	4.5	94	-0.01
17		2-Methylphenol	40.000	40.443	-1.1	100	-0.01
18		Hexachloroethane	40.000	41.408	-3.5	102	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	40.136	-0.3	98	-0.02
20		3+4-Methylphenols	40.000	40.942	-2.4	101	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	99	-0.01
22		Acetophenone	40.000	40.347	-0.9	100	-0.02
23	S	Nitrobenzene-d5	80.000	79.490	0.6	98	-0.02
24		Nitrobenzene	40.000	39.690	0.8	98	-0.01
25		Isophorone	40.000	40.300	-0.7	99	-0.02
26	C	2-Nitrophenol	40.000	42.129	-5.3	100	-0.01
27		2,4-Dimethylphenol	40.000	41.495	-3.7	100	-0.01
28		bis(2-Chloroethoxy)methane	40.000	41.169	-2.9	101	-0.01
29	C	2,4-Dichlorophenol	40.000	40.925	-2.3	100	-0.01
30		1,2,4-Trichlorobenzene	40.000	41.418	-3.5	103	-0.01
31		Naphthalene	40.000	40.074	-0.2	99	-0.01
32		Benzoic acid	40.000	34.103	14.7	83	-0.04
33		4-Chloroaniline	40.000	40.247	-0.6	99	-0.02
34	C	Hexachlorobutadiene	40.000	41.146	-2.9	101	-0.01
35		Caprolactam	40.000	40.440	-1.1	96	-0.04
36	C	4-Chloro-3-methylphenol	40.000	39.707	0.7	97	-0.01
37		2-Methylnaphthalene	40.000	39.945	0.1	100	-0.01
38		1-Methylnaphthalene	40.000	39.795	0.5	98	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	41.395	-3.5	98	-0.01
41	P	Hexachlorocyclopentadiene	40.000	52.019	-30.0#	118	-0.01
42	S	2,4,6-Tribromophenol	80.000	79.140	1.1	95	-0.02
43	C	2,4,6-Trichlorophenol	40.000	40.855	-2.1	97	-0.01
44		2,4,5-Trichlorophenol	40.000	40.484	-1.2	96	-0.01
45	S	2-Fluorobiphenyl	80.000	81.821	-2.3	100	-0.01
46		1,1'-Biphenyl	40.000	40.963	-2.4	99	-0.02
47		2-Chloronaphthalene	40.000	41.034	-2.6	99	-0.02

Sample Results: **BF141707.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 17:37:12 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	39.348	1.6	93	-0.02
49		Acenaphthylene	40.000	40.245	-0.6	97	-0.02
50		Dimethylphthalate	40.000	41.114	-2.8	99	-0.02
51		2,6-Dinitrotoluene	40.000	41.165	-2.9	97	-0.02
52	C	Acenaphthene	40.000	39.387	1.5	94	-0.02
53		3-Nitroaniline	40.000	38.451	3.9	92	-0.02
54	P	2,4-Dinitrophenol	40.000	39.281	1.8	94	-0.01
55		Dibenzofuran	40.000	39.676	0.8	96	-0.02
56	P	4-Nitrophenol	40.000	58.361	-45.9#	133	-0.02
57		2,4-Dinitrotoluene	40.000	40.436	-1.1	96	-0.02
58		Fluorene	40.000	39.706	0.7	96	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	40.303	-0.8	97	-0.02
60		Diethylphthalate	40.000	40.216	-0.5	97	-0.02
61		4-Chlorophenyl-phenylether	40.000	40.461	-1.2	98	-0.02
62		4-Nitroaniline	40.000	36.727	8.2	85	-0.02
63		Azobenzene	40.000	38.532	3.7	93	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	90	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	39.122	2.2	86	-0.02
66	c	n-Nitrosodiphenylamine	40.000	42.691	-6.7	98	-0.02
67		4-Bromophenyl-phenylether	40.000	41.918	-4.8	95	-0.02
68		Hexachlorobenzene	40.000	42.297	-5.7	96	-0.02
69		Atrazine	40.000	36.491	8.8	85	-0.02
70	C	Pentachlorophenol	40.000	39.252	1.9	84	-0.02
71		Phenanthrene	40.000	40.083	-0.2	91	-0.02
72		Anthracene	40.000	40.284	-0.7	92	-0.02
73		Carbazole	40.000	39.140	2.1	89	-0.02
74		Di-n-butylphthalate	40.000	40.647	-1.6	92	-0.02
75	C	Fluoranthene	40.000	37.569	6.1	85	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	82	-0.02
77		Benzidine	40.000	45.009	-12.5	77	-0.02
78		Pyrene	40.000	41.757	-4.4	83	-0.02
79	S	Terphenyl-d14	80.000	83.229	-4.0	84	-0.02
80		Butylbenzylphthalate	40.000	42.347	-5.9	84	-0.02
81		Benzo(a)anthracene	40.000	39.381	1.5	79	-0.02
82		3,3'-Dichlorobenzidine	40.000	41.708	-4.3	86	-0.02
83		Chrysene	40.000	41.339	-3.3	86	-0.03
84		Bis(2-ethylhexyl)phthalate	40.000	47.787	-19.5	94	-0.02
85	c	Di-n-octyl phthalate	40.000	52.451	-31.1#	105	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	99	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	43.757	-9.4	104	-0.06
88		Benzo(b)fluoranthene	40.000	40.759	-1.9	101	-0.04
89		Benzo(k)fluoranthene	40.000	35.898	10.3	89	-0.04
90	C	Benzo(a)pyrene	40.000	39.976	0.1	99	-0.04
91		Dibenzo(a,h)anthracene	40.000	43.788	-9.5	103	-0.06
92		Benzo(g,h,i)perylene	40.000	44.154	-10.4	104	-0.07

Sample Results: **BF141707.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 20 17:37:12 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 = 1

QC SAMPLE DATA

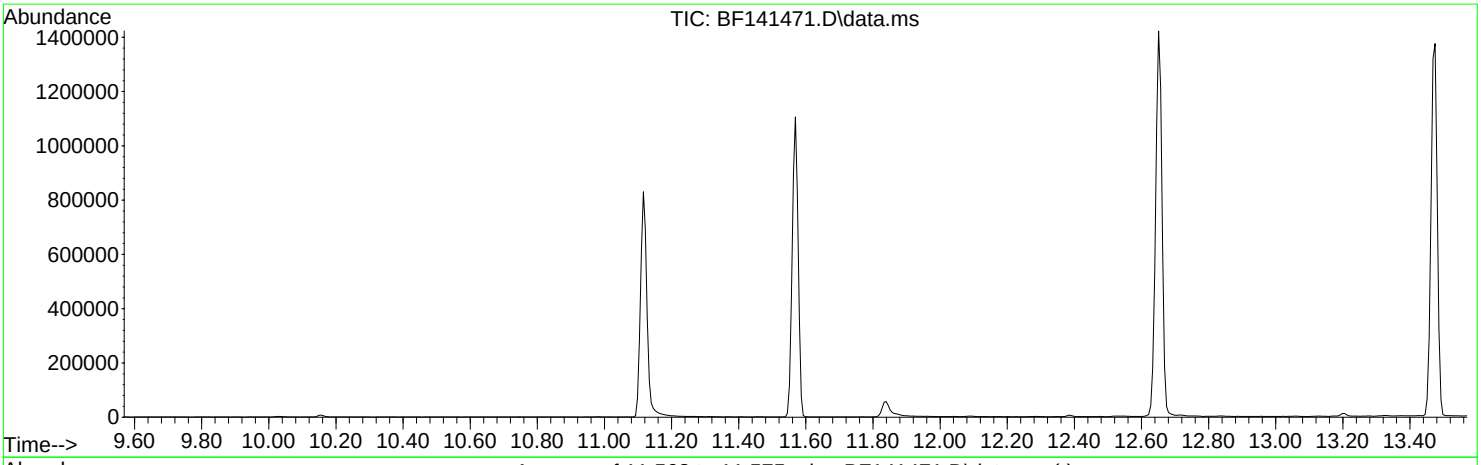
Sample Results: **BF141471.D**

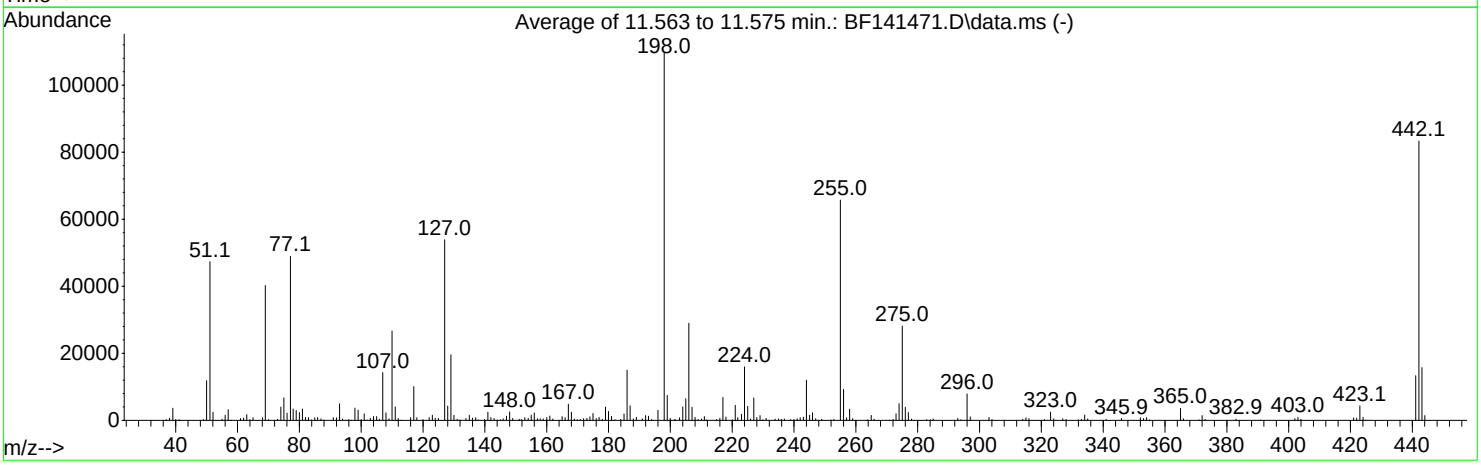
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

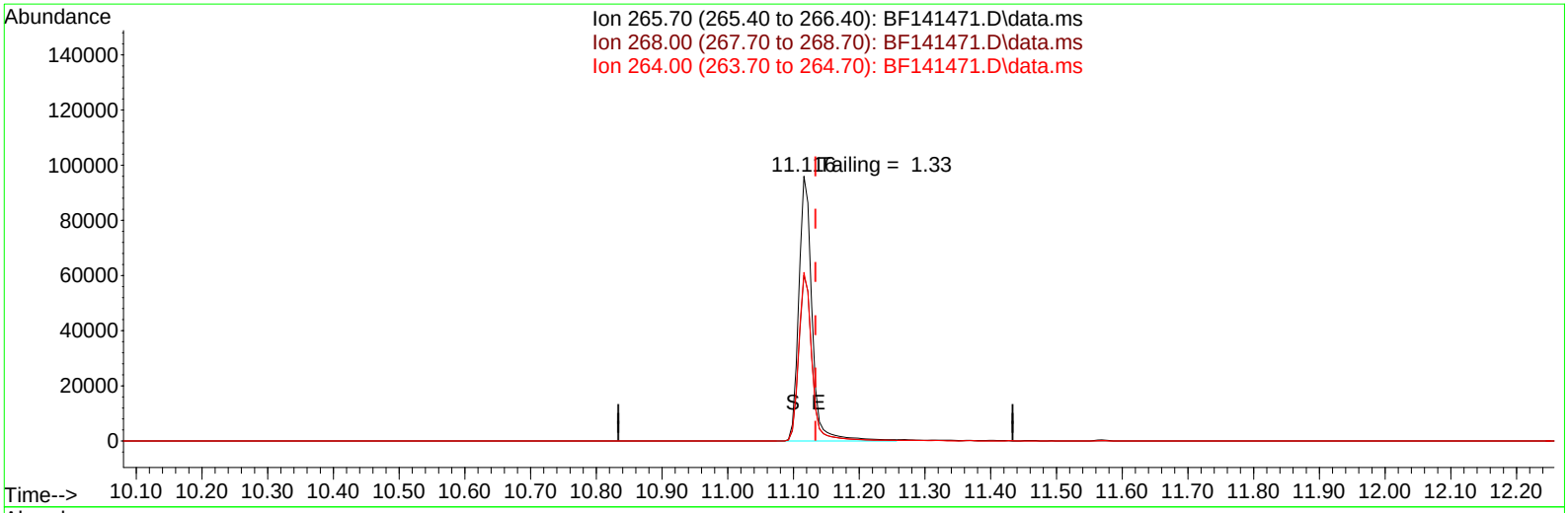
Date	Instrument Name	DFTPP Data File
2/6/2025	BNA_F	BF141471.D
Compound Name	**Response**	**Retention Time**
DDT	348871	13.475
DDD	6398	13.204
DDE	521	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6919	355790	1.94

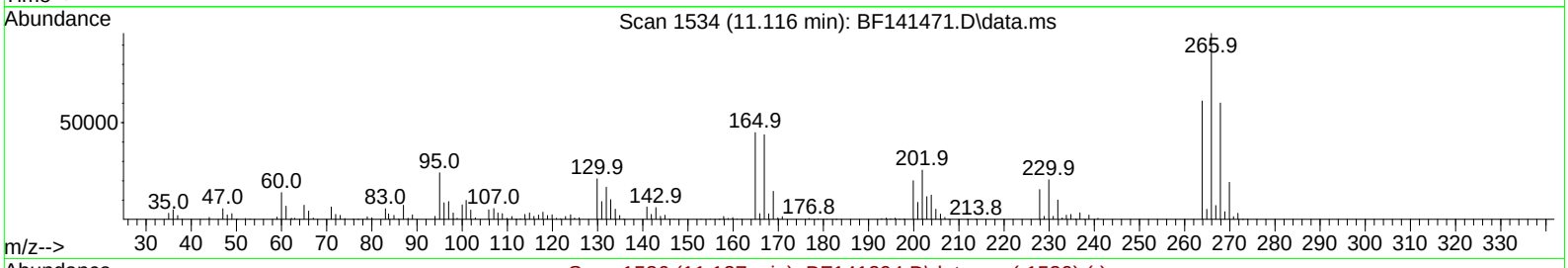
Sample Results: **BF141471.D**

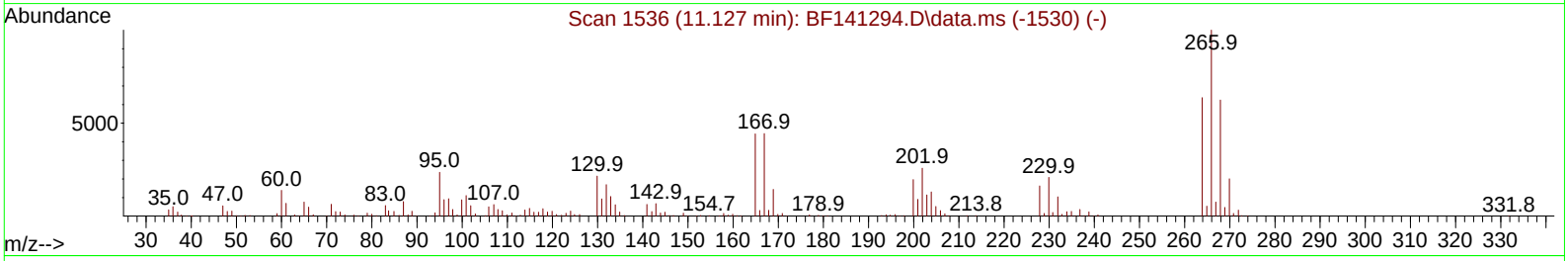
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

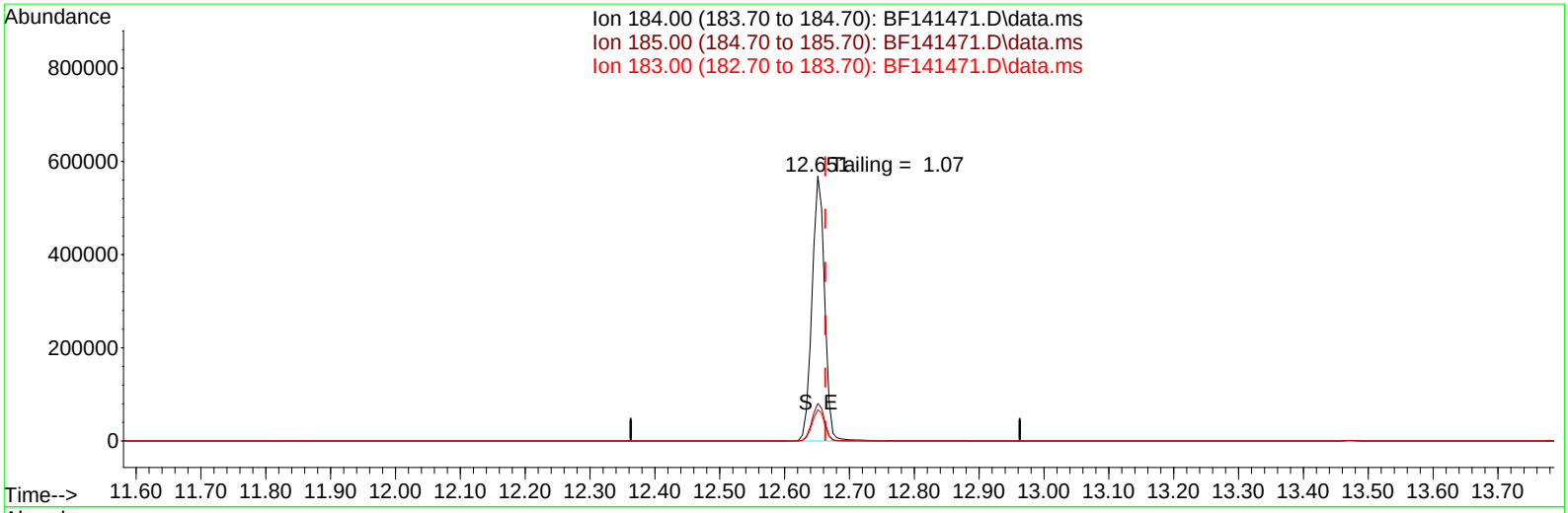
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.59
264.00	63.70	63.70
0.00	0.00	0.00

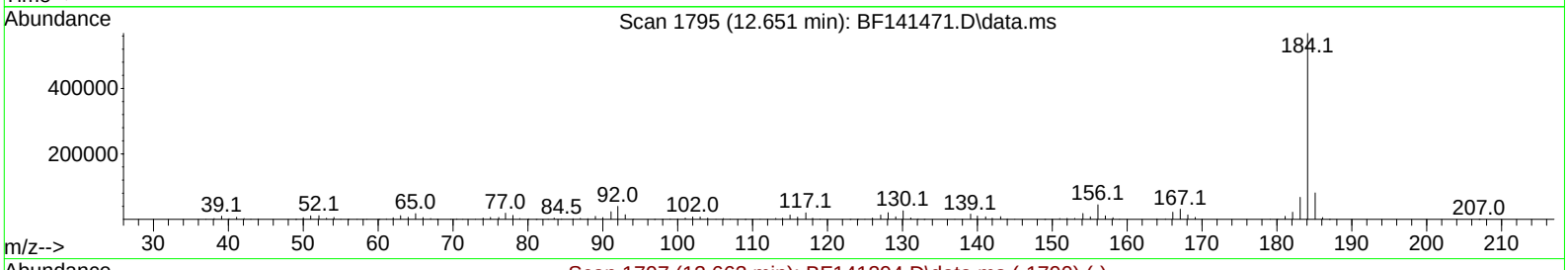
Sample Results: **BF141471.D**

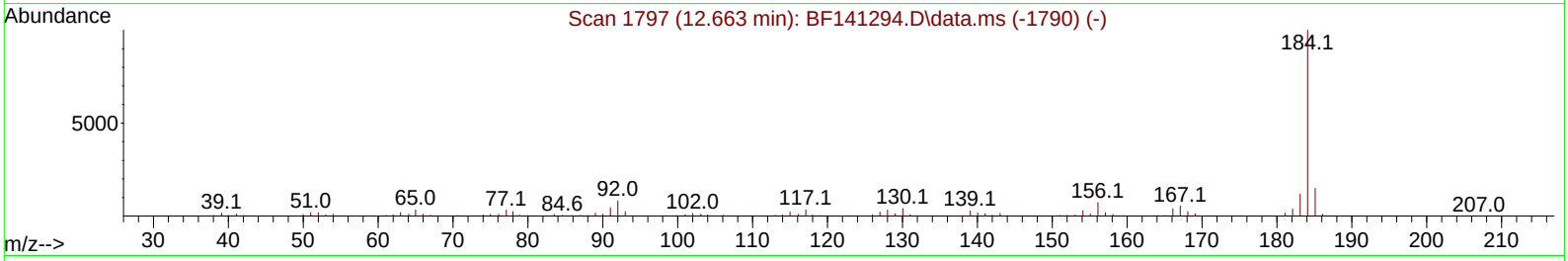
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

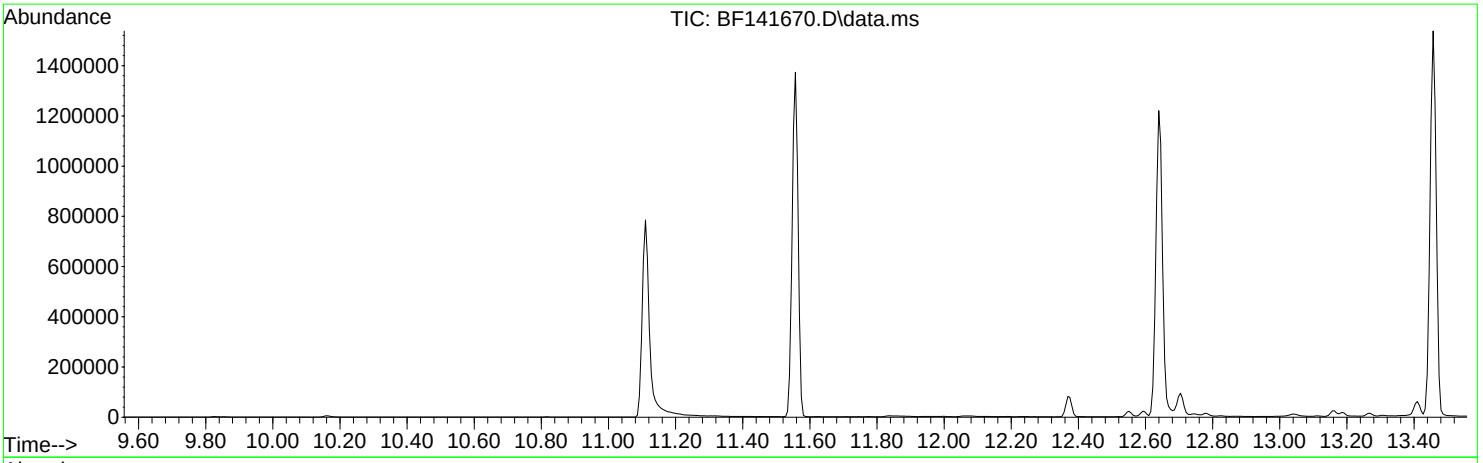
Sample Results: **BF141670.D**

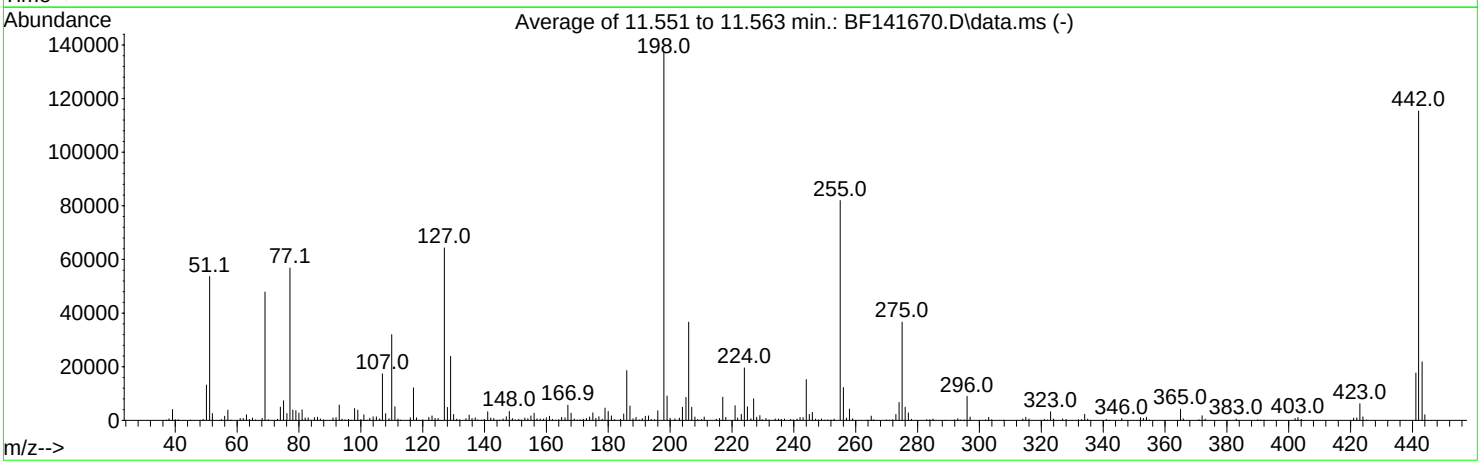
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141670.D
Acq On : 19 Feb 2025 12:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.1	53635	PASS
68	69	0.00	2	1.5	716	PASS
69	198	0.00	100	34.9	47837	PASS
70	69	0.00	2	0.6	301	PASS
127	198	10	80	46.9	64312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	137187	PASS
199	198	5	9	6.6	9087	PASS
275	198	10	60	26.7	36637	PASS
365	198	1	100	3.1	4201	PASS
441	198	0.01	100	12.9	17651	PASS
442	442	50	100	100.0	115347	PASS
443	442	15	24	18.9	21851	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

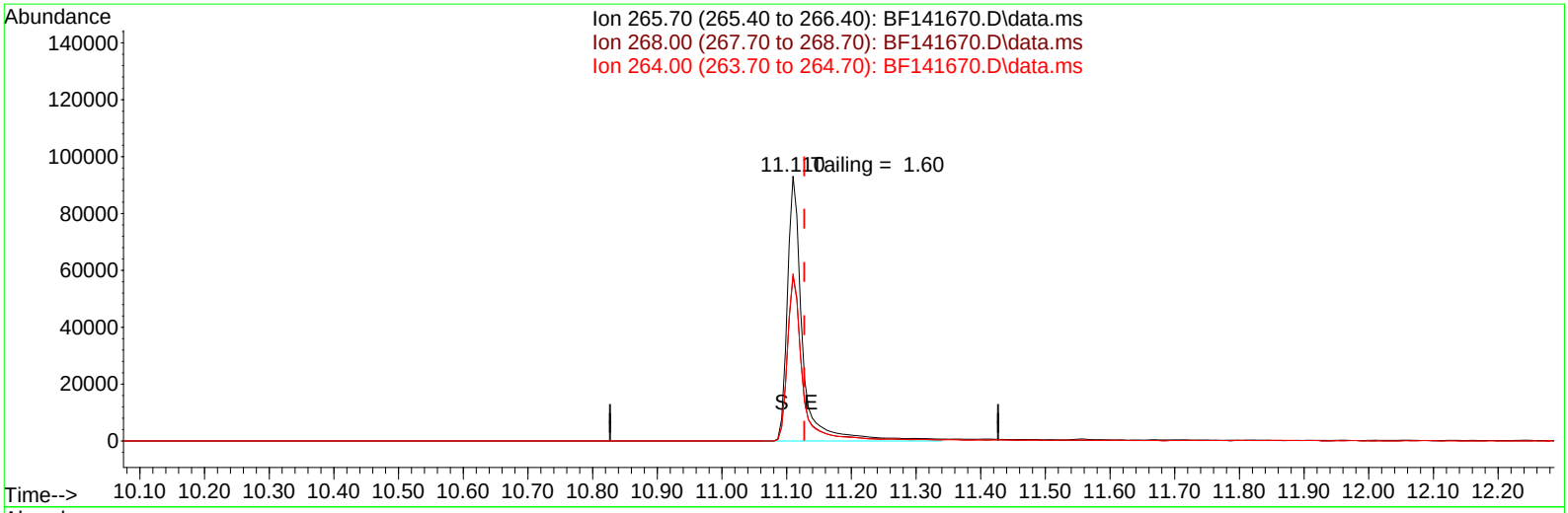
Date	Instrument Name	DFTPP Data File
2/19/2025	BNA_F	BF141670.D
Compound Name	**Response**	**Retention Time**
DDT	389402	13.457
DDD	11525	13.163
DDE	603	12.822
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12128	401530	3.02

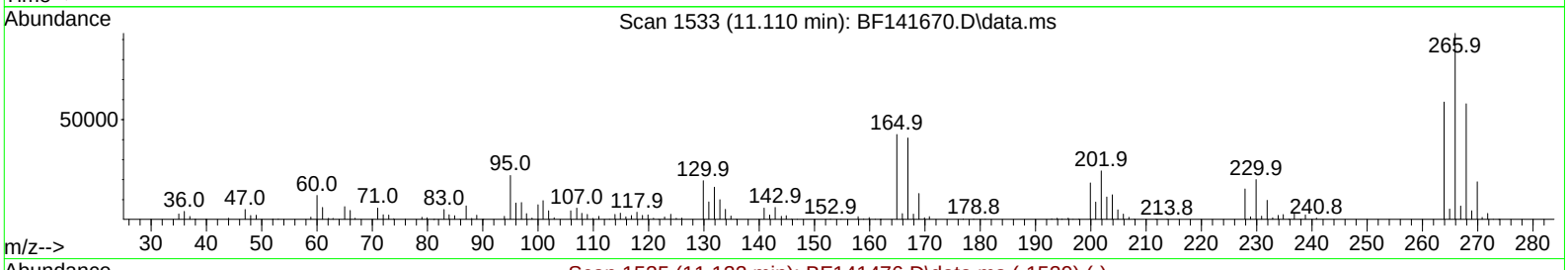
Sample Results: **BF141670.D**

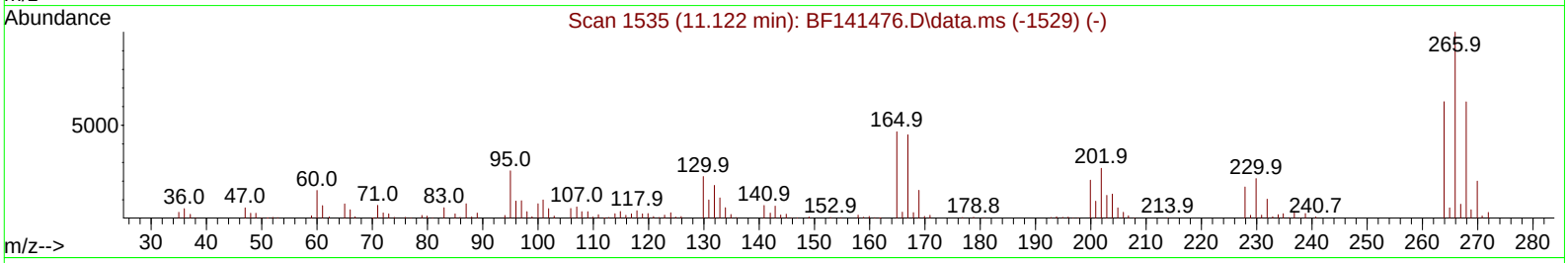
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141670.D
Acq On : 19 Feb 2025 12:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 19 13:37:15 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: BF141670.D\data.ms

(70) Pentachlorophenol (C)

11.110min (-0.017) 24620.99 ng

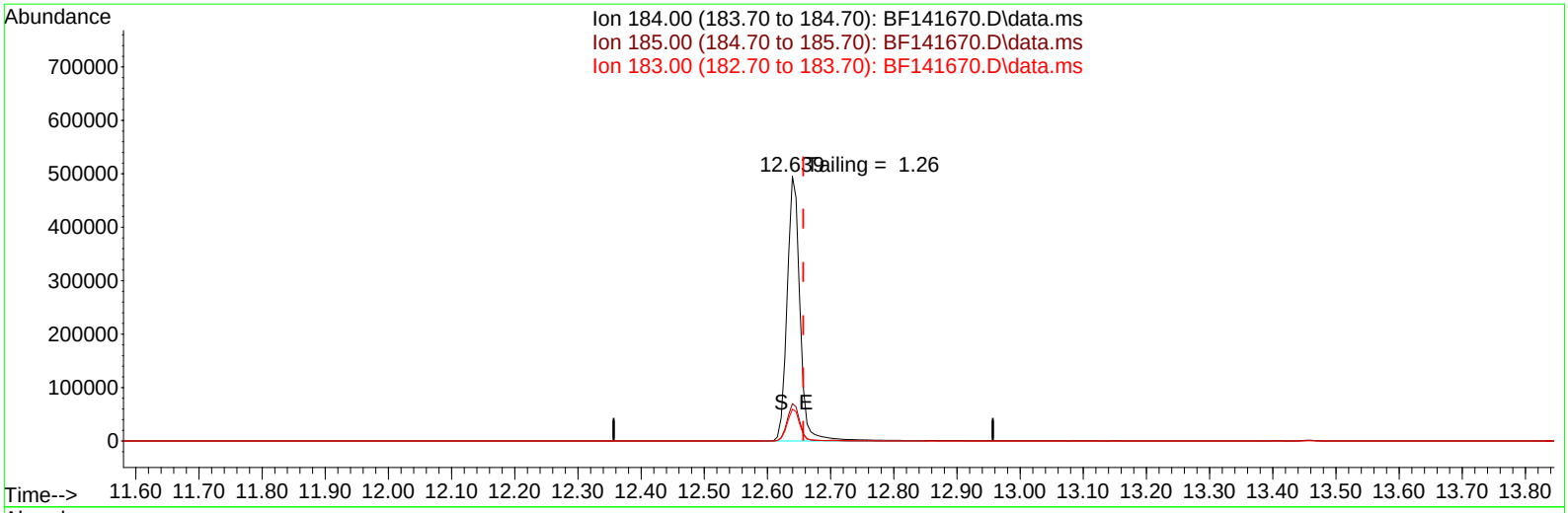
response 150018

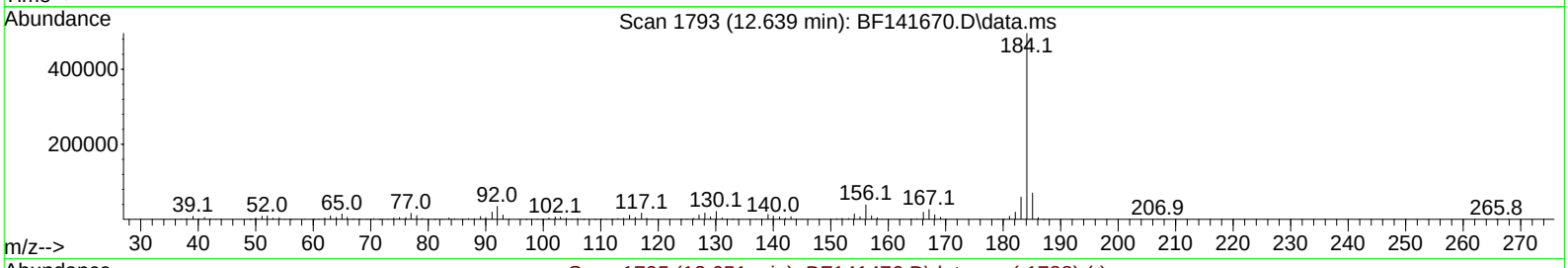
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.18
264.00	62.60	63.13
0.00	0.00	0.00

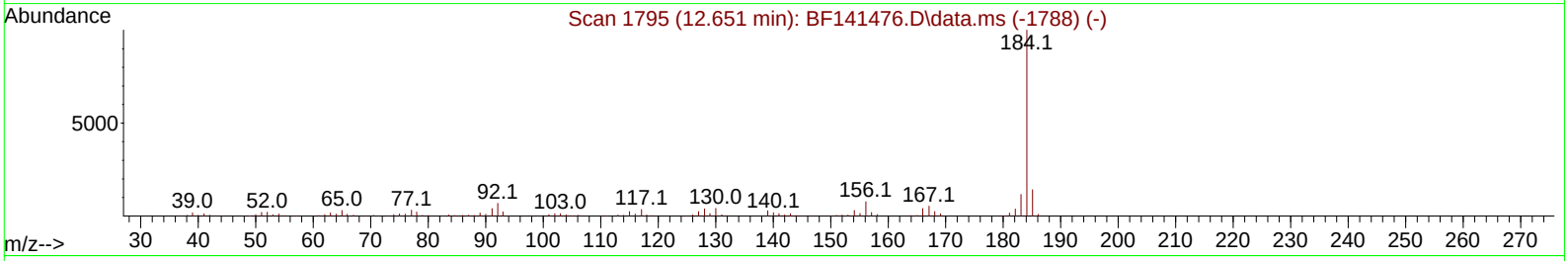
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141670.D
Acq On : 19 Feb 2025 12:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 19 13:37:15 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: BF141670.D\data.ms

(77) Benzidine

12.639min (-0.017) 0.00 ng

response 706816

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.14
183.00	11.60	12.05
0.00	0.00	0.00

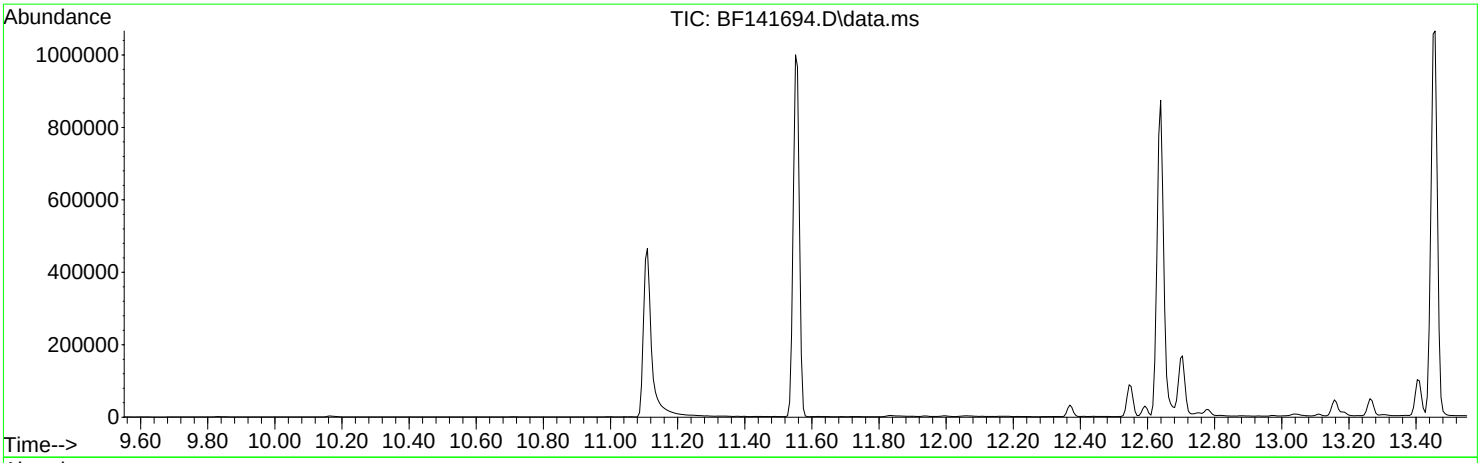
Sample Results: **BF141694.D**

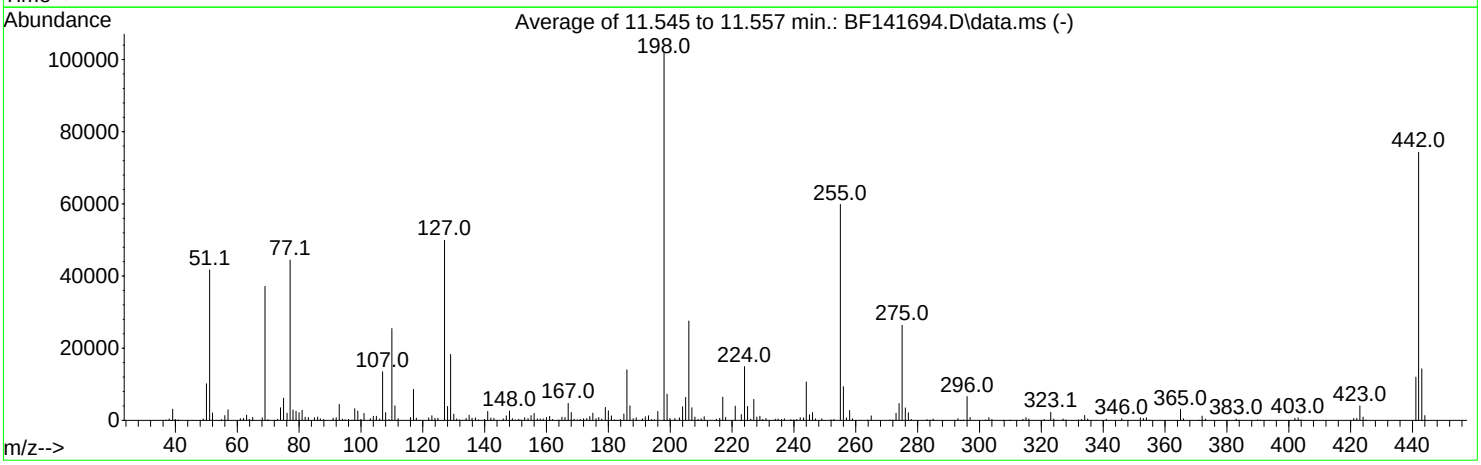
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141694.D
Acq On : 20 Feb 2025 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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 1607, 1608, 1609; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.9	41685	PASS
68	69	0.00	2	1.9	697	PASS
69	198	0.00	100	36.4	37160	PASS
70	69	0.00	2	0.6	228	PASS
127	198	10	80	48.9	49901	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	101965	PASS
199	198	5	9	7.1	7260	PASS
275	198	10	60	25.9	26403	PASS
365	198	1	100	3.0	3061	PASS
441	198	0.01	100	11.8	11986	PASS
442	442	50	100	100.0	74336	PASS
443	442	15	24	19.2	14264	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

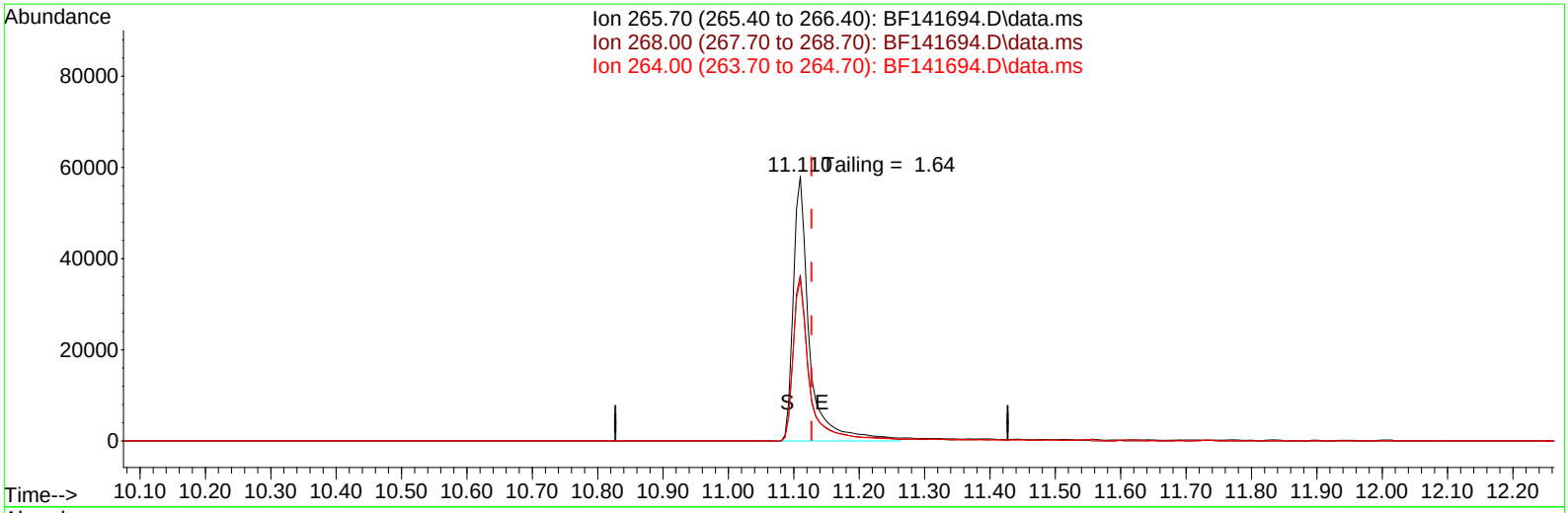
Date	Instrument Name	DFTPP Data File
2/20/2025	BNA_F	BF141694.D
Compound Name	**Response**	**Retention Time**
DDT	283316	13.457
DDD	15994	13.157
DDE	440	12.822
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16434	299750	5.48

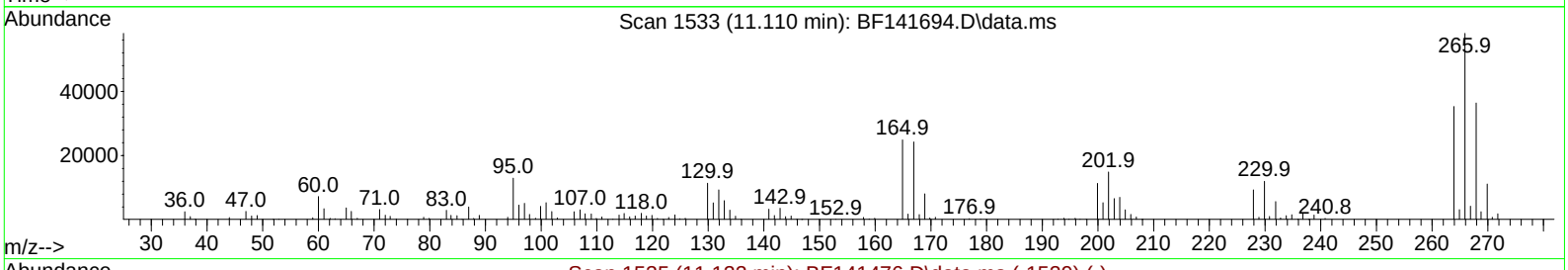
Sample Results: **BF141694.D**

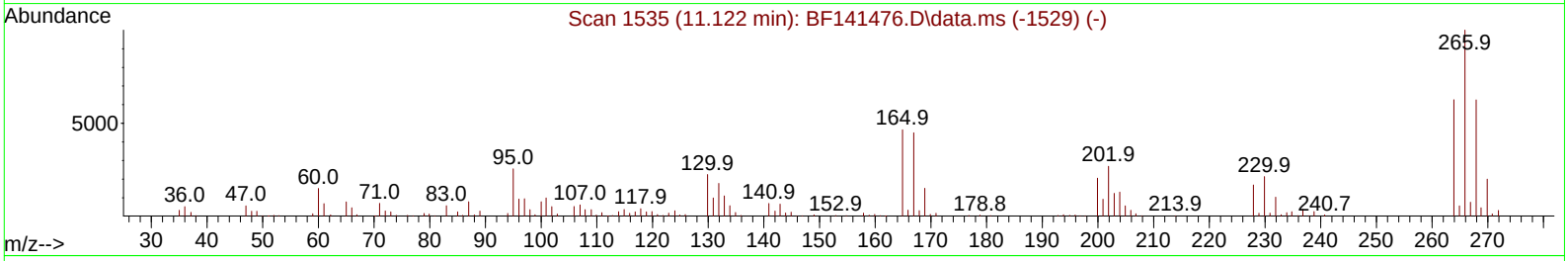
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141694.D
Acq On : 20 Feb 2025 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 20 11:48:57 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: BF141694.D\data.ms

(70) Pentachlorophenol (C)

11.110min (-0.017) 22081.71 ng

response 100097

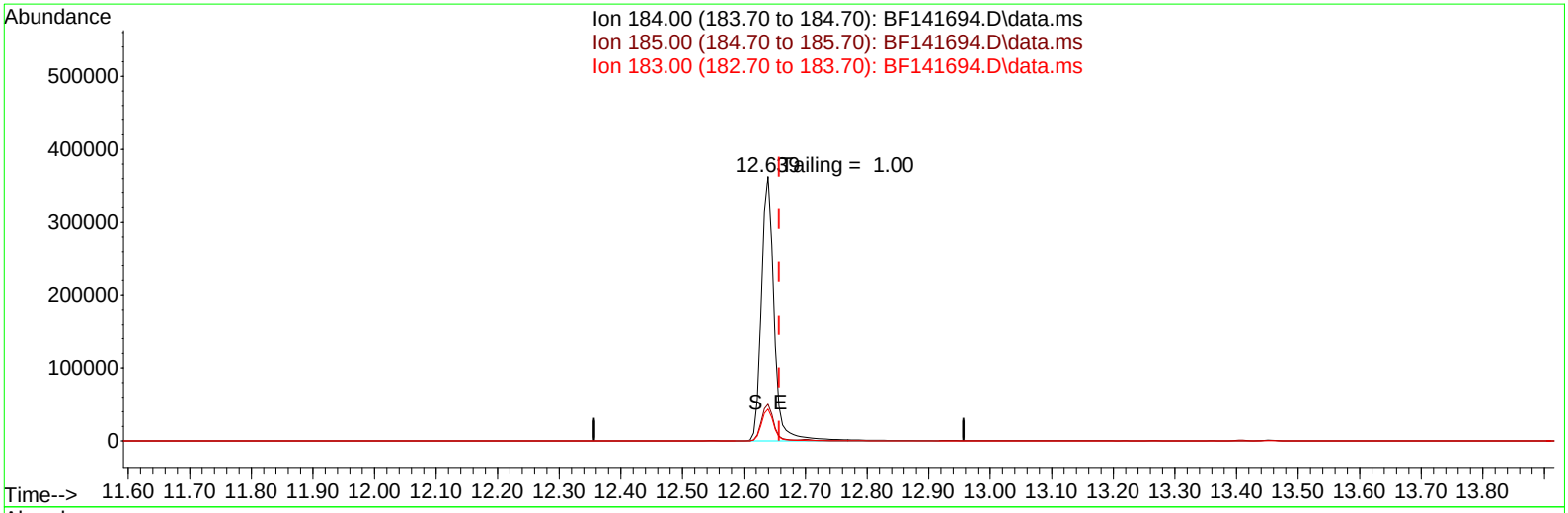
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.69
264.00	62.60	60.79
0.00	0.00	0.00

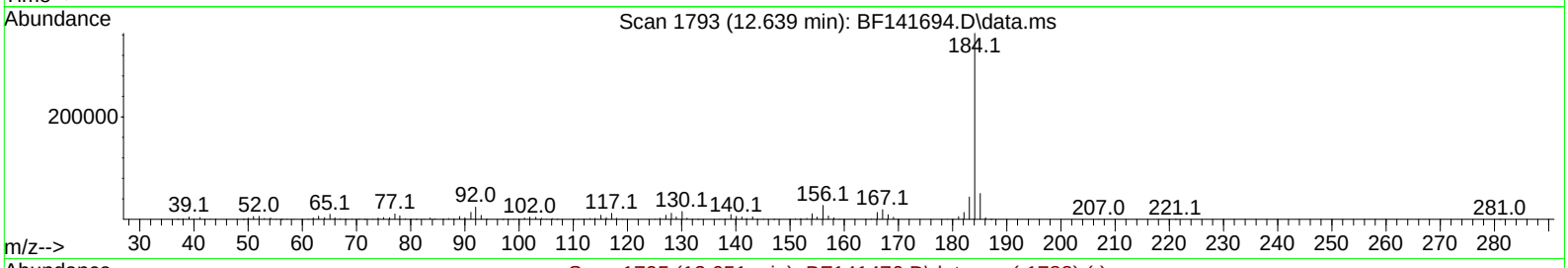
Sample Results: **BF141694.D**

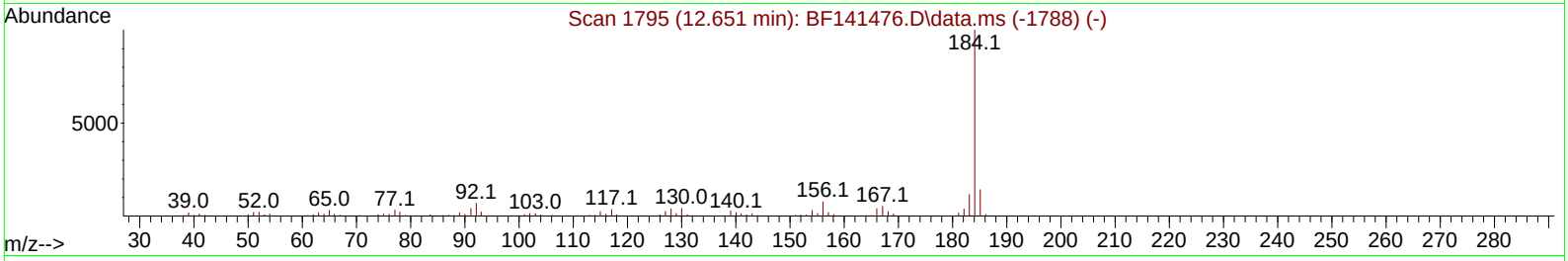
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141694.D
Acq On : 20 Feb 2025 09:04
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 20 11:48:57 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: BF141694.D\data.ms

(77) Benzidine

12.639min (-0.017) 0.00 ng

response 526516

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	13.88
183.00	11.60	12.04
0.00	0.00	0.00

Raw Data: **BF141698.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	PB166776BL	SDG No.:	Q1383
Lab Sample ID:	PB166776BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141698.D	1	02/19/25 10:05	02/20/25 12:33	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.083	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.083	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.087	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.081	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.086	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.084	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.084	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.082	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.083	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.081	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.080	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.081	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.083	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.093	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.078	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.081	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.080	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	83.7		37 - 122		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.0		44 - 115		88%	SPK: 100
1718-51-0	Terphenyl-d14	92.0		54 - 127		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87200	6.781				
1146-65-2	Naphthalene-d8	340000	8.063				
15067-26-2	Acenaphthene-d10	181000	9.81				
1517-22-2	Phenanthrene-d10	295000	11.298				
1719-03-5	Chrysene-d12	194000	13.939				
1520-96-3	Perylene-d12	171000	15.38				

Raw Data: **BF141698.D**

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB166776BL			SDG No.:	Q1383
Lab Sample ID:	PB166776BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOCMS Group3
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
BF141698.D	1	02/19/25 10:05	02/20/25 12:33	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF022025\
Data File : BF141698.D
Acq On : 20 Feb 2025 12:33
Operator : RC/JU
Sample : PB166776BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Quant Time: Feb 20 13:04:06 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

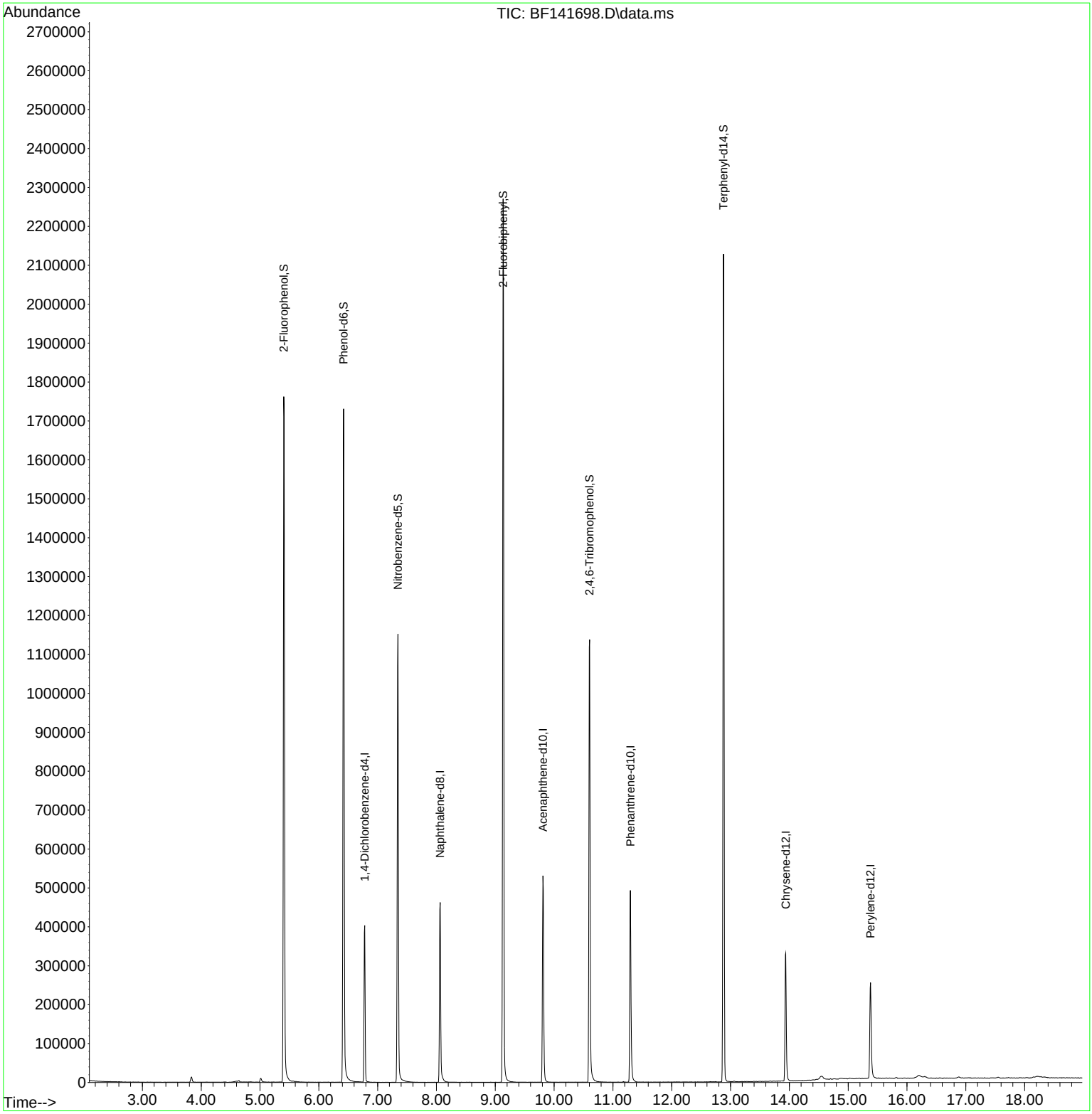
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87229	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	339851	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	180981	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	295461	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	194169	20.000	ng	-0.02
86) Perylene-d12	15.380	264	170584	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	696403	125.163	ng	0.00
7) Phenol-d6	6.422	99	843104	119.888	ng	-0.02
23) Nitrobenzene-d5	7.345	82	545407	83.706	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	206145	113.389	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1033384	87.969	ng	-0.02
79) Terphenyl-d14	12.880	244	1058511	92.031	ng	-0.02
Target Compounds						Qvalue

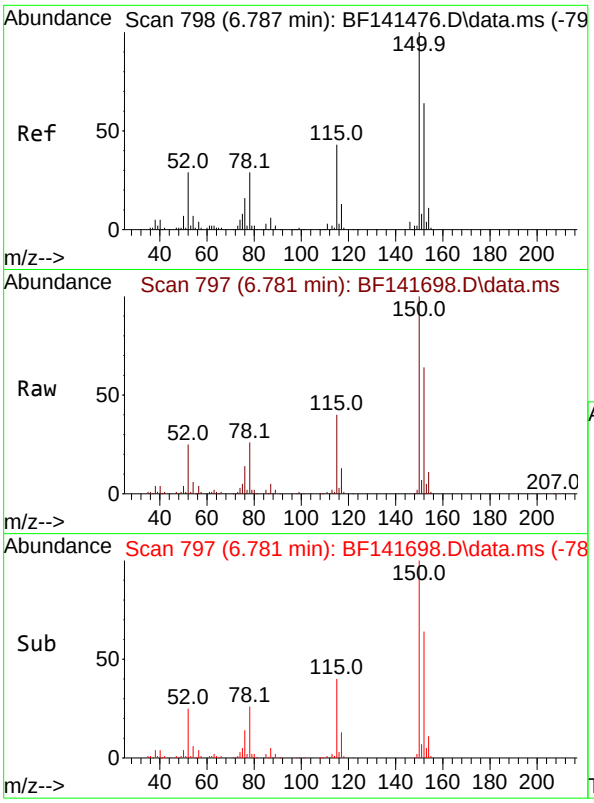
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141698.D
Acq On : 20 Feb 2025 12:33
Operator : RC/JU
Sample : PB166776BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Quant Time: Feb 20 13:04:06 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



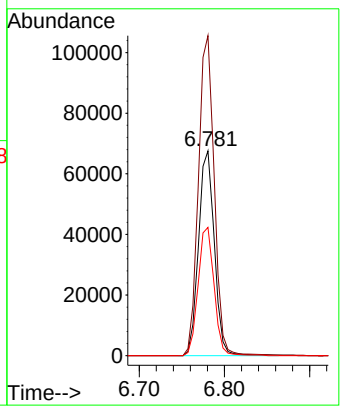


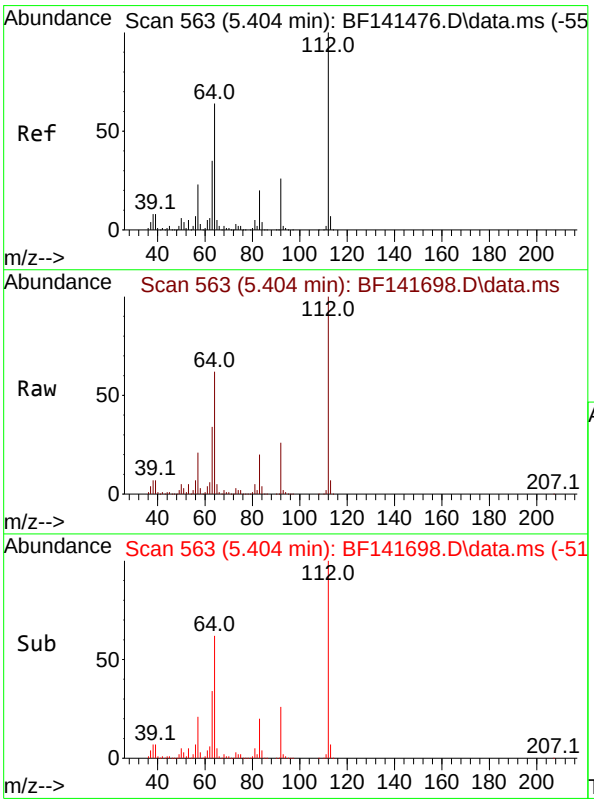
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Tgt Ion:152 Resp: 87229

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.0	187.4
115	62.6	53.6	80.4

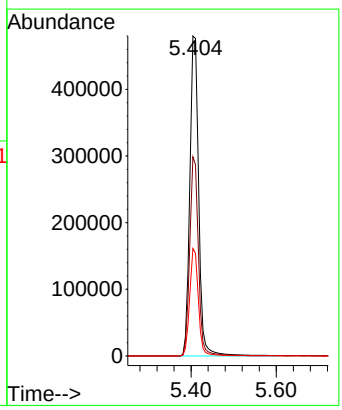


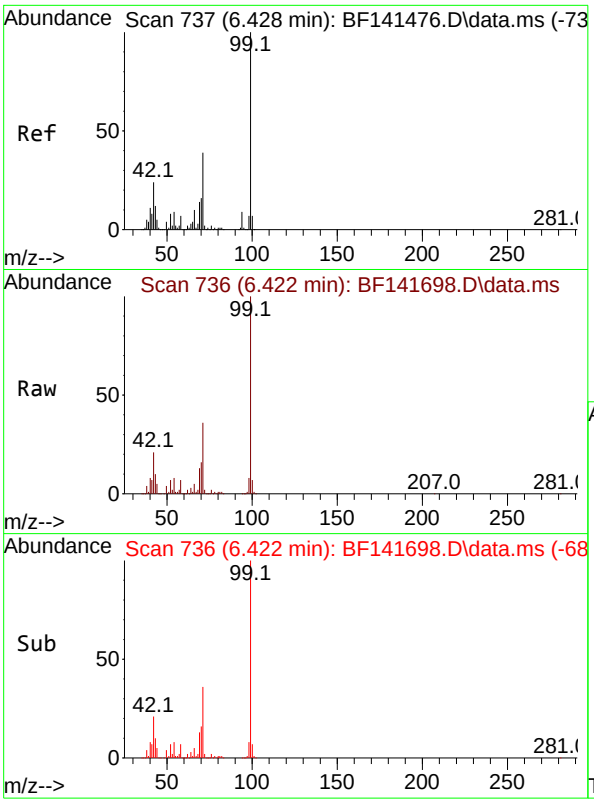


#5
2-Fluorophenol
Concen: 125.163 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:112 Resp: 696403

Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.1	76.7
63	33.6	28.4	42.6



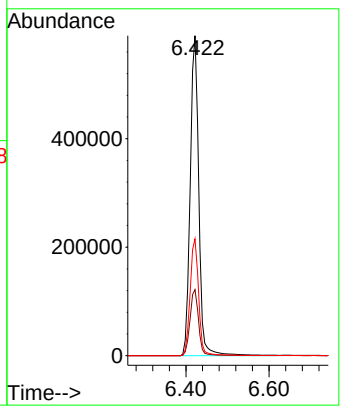


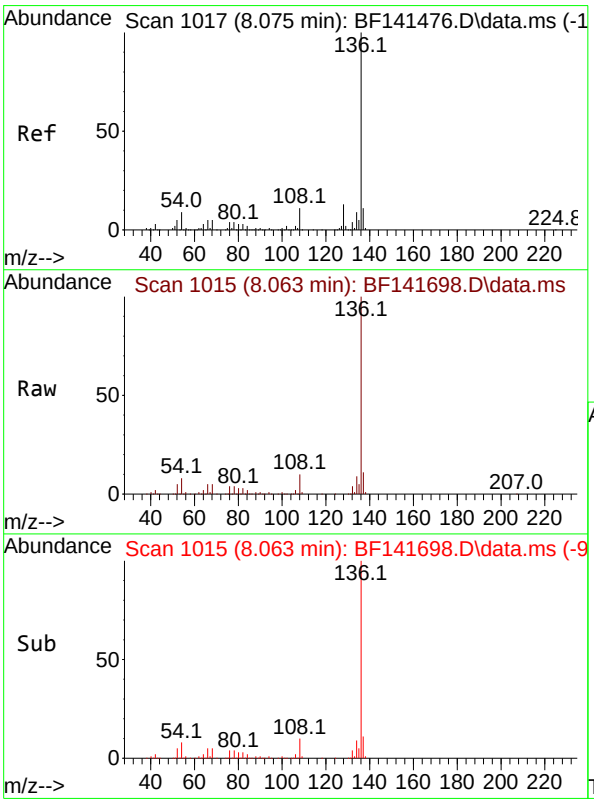
#7
Phenol-d6
Concen: 119.888 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Tgt Ion: 99 Resp: 843104

Ion	Ratio	Lower	Upper
99	100		
42	20.6	19.1	28.7
71	36.5	31.1	46.7

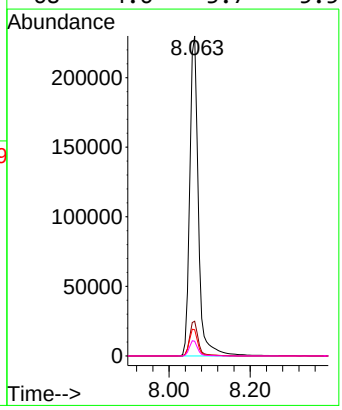


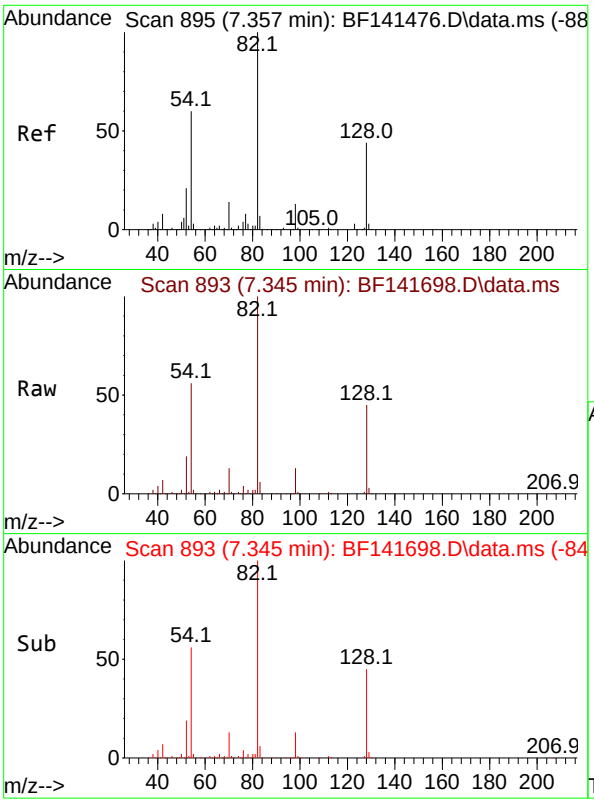


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:136 Resp: 339851

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.2	10.8
68	4.6	3.7	5.5



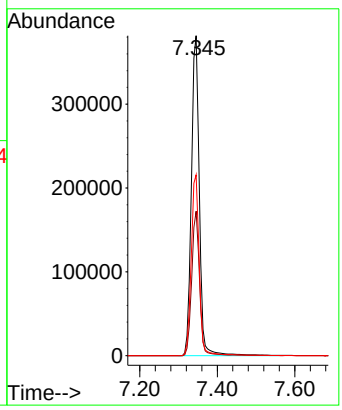


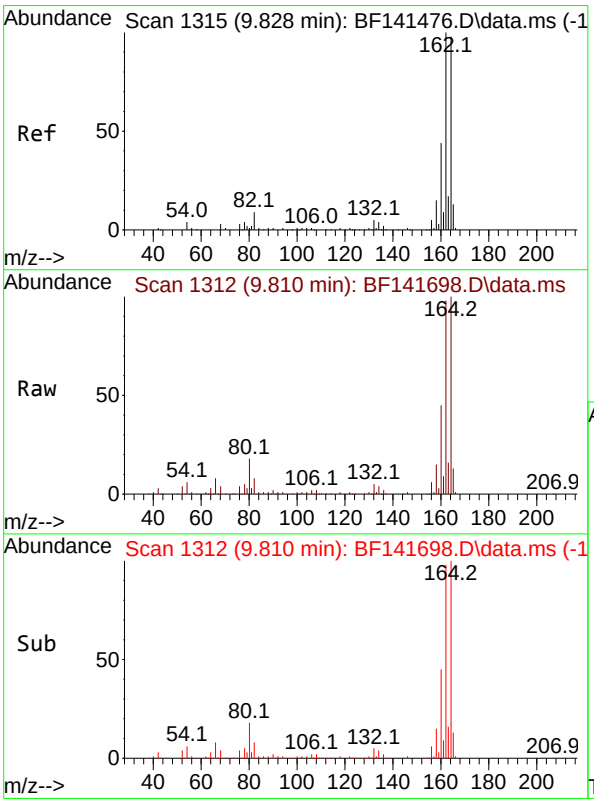
#23
Nitrobenzene-d5
Concen: 83.706 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Tgt Ion: 82 Resp: 545407

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.8	52.2
54	56.5	48.2	72.4

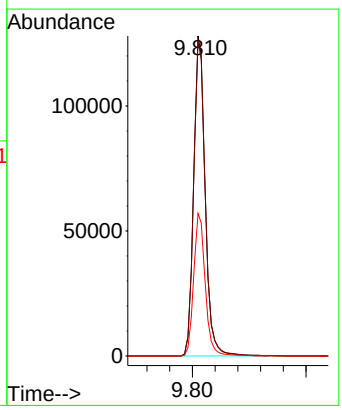


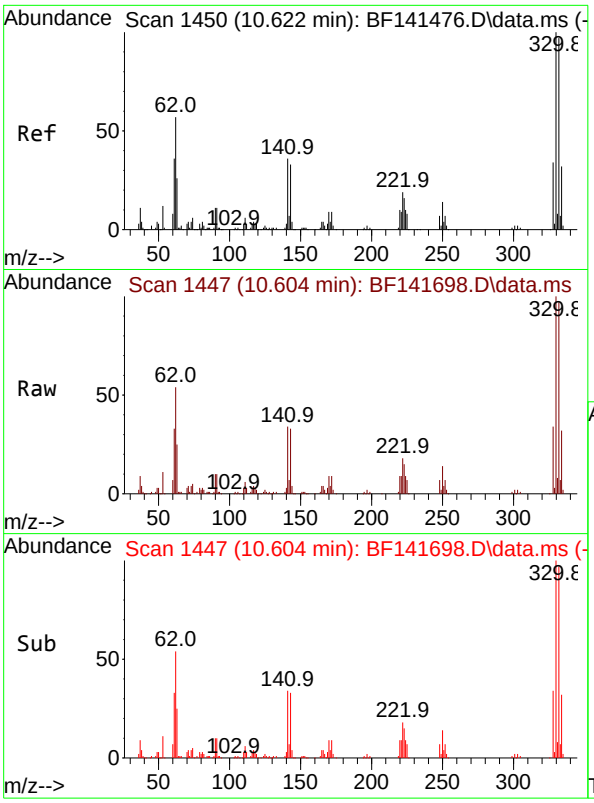


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:164 Resp: 180981

Ion	Ratio	Lower	Upper
164	100		
162	98.4	81.3	121.9
160	44.5	35.9	53.9



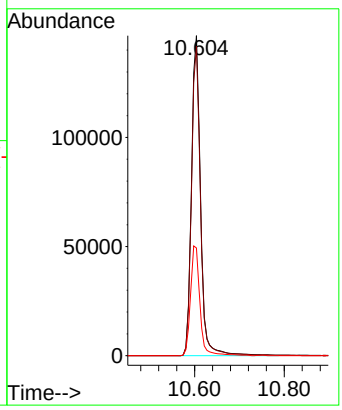


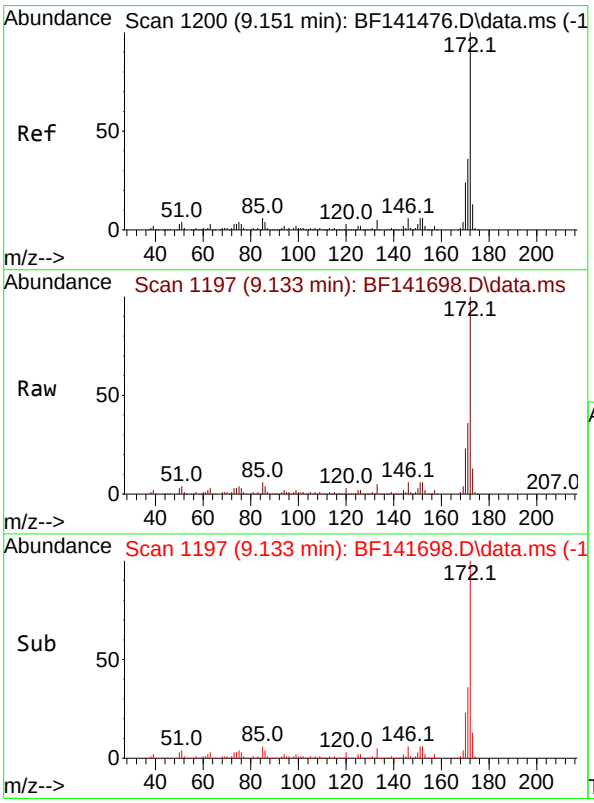
#42
2,4,6-Tribromophenol
Concen: 113.389 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Tgt Ion:330 Resp: 206145

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	35.6	31.0	46.4

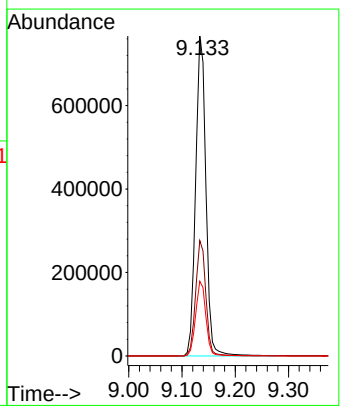


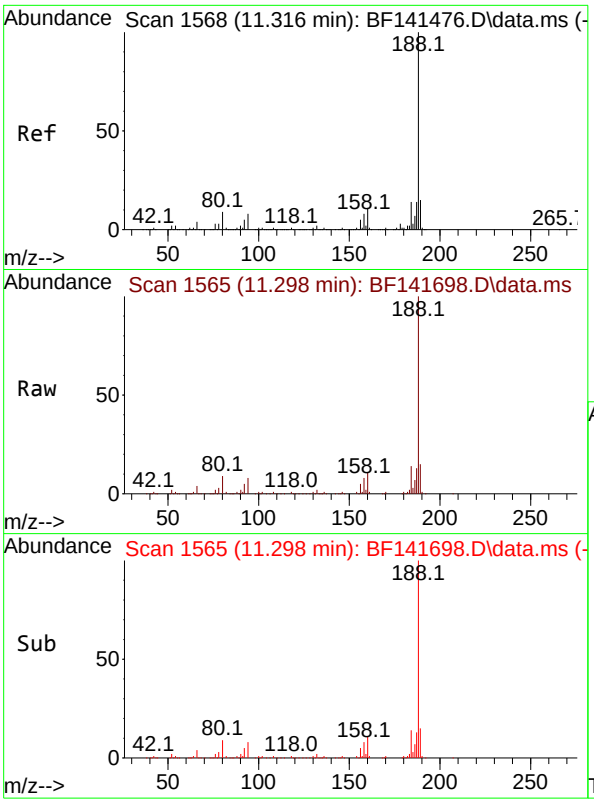


#45
2-Fluorobiphenyl
Concen: 87.969 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:172 Resp: 1033384

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	23.4	18.9	28.3



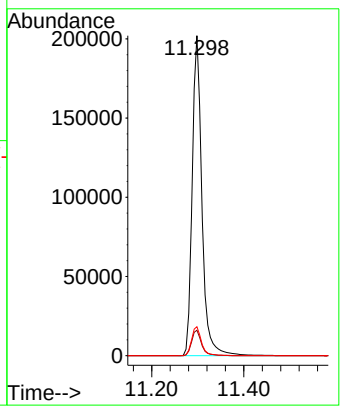


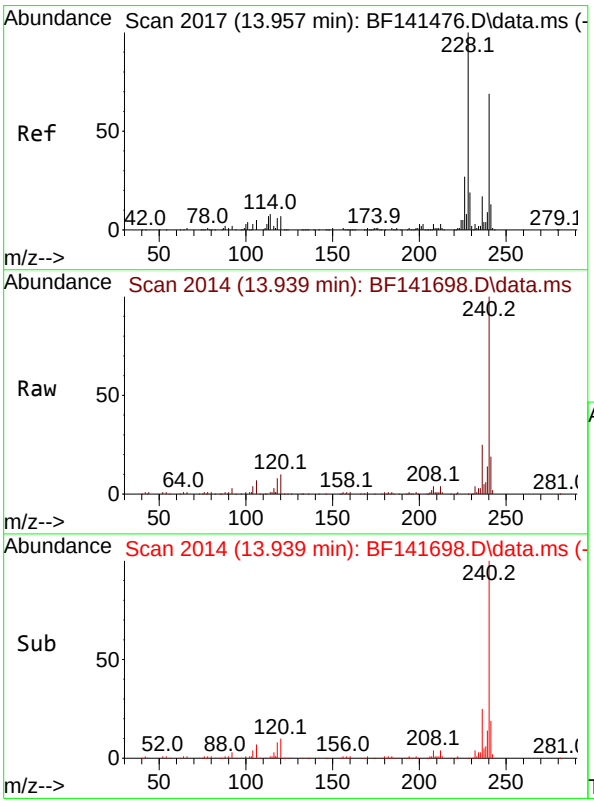
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Tgt Ion:188 Resp: 295461

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.6	10.0
80	9.1	7.3	10.9

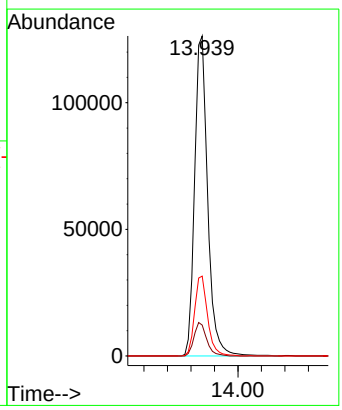


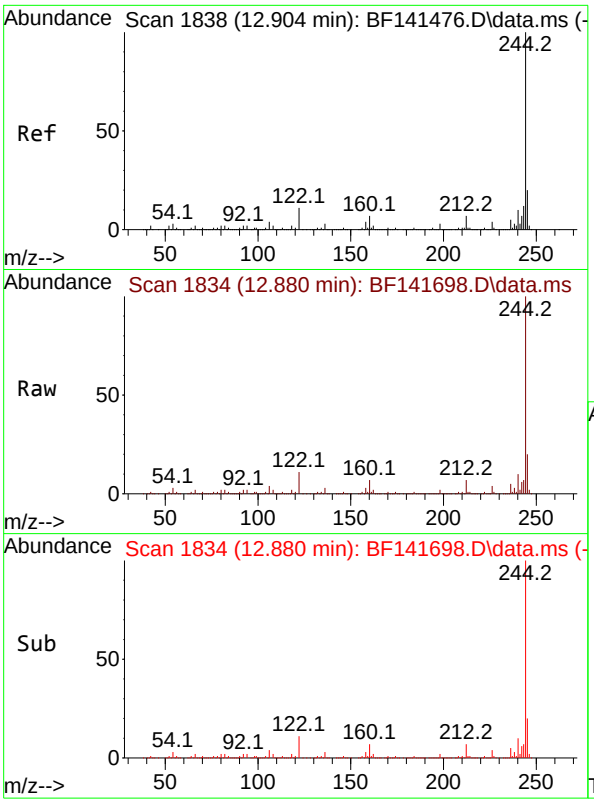


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:240 Resp: 194169

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.0	12.0
236	24.9	19.8	29.8



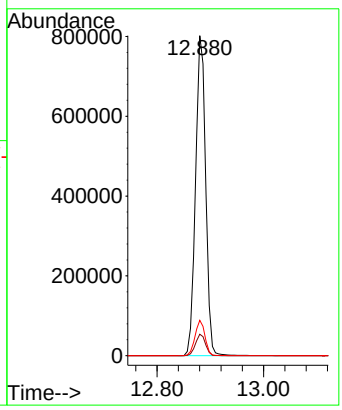


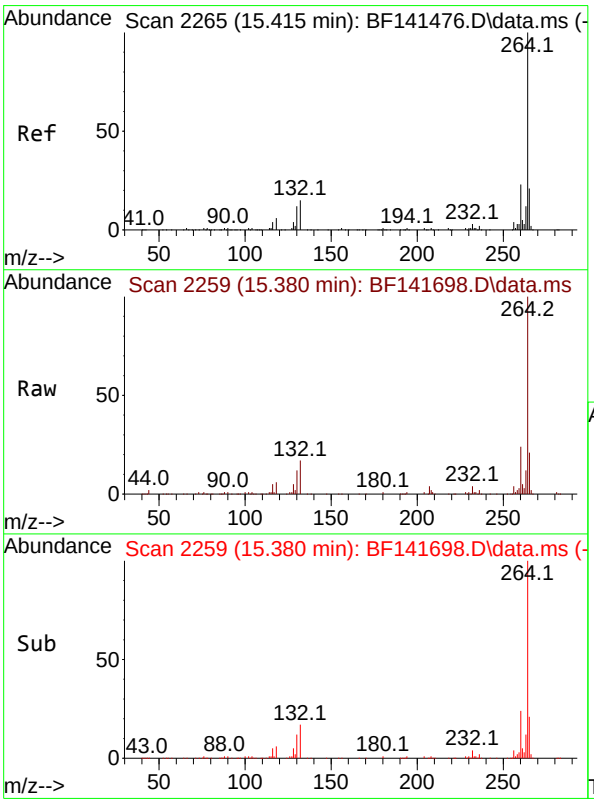
#79
Terphenyl-d14
Concen: 92.031 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Tgt Ion:244 Resp: 1058511

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.0	8.4	12.6

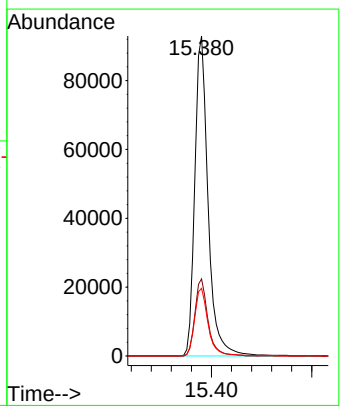




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:264 Resp: 170584

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	21.2	17.0	25.4



Sample Results: **BF141698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141698.D
Acq On : 20 Feb 2025 12:33
Operator : RC/JU
Sample : PB166776BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BL

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	558	563	586	rBV	1761269	2507154	83.23%	14.196%
2	6.422	730	736	771	rBV	1730283	2480559	82.35%	14.045%
3	6.781	792	797	814	rVB	402613	521347	17.31%	2.952%
4	7.345	886	893	922	rBV	1151937	1641464	54.49%	9.294%
5	8.063	1009	1015	1034	rBV	462118	674372	22.39%	3.818%
6	9.133	1191	1197	1222	rBV	2270058	3012309	100.00%	17.056%
7	9.810	1307	1312	1332	rBV	530600	744793	24.72%	4.217%
8	10.604	1441	1447	1471	rBV	1137055	1648890	54.74%	9.336%
9	11.298	1559	1565	1586	rBV	492421	711383	23.62%	4.028%
10	12.880	1828	1834	1854	rBV	2127046	2774961	92.12%	15.712%
11	13.939	2008	2014	2026	rBV	328580	501429	16.65%	2.839%
12	15.380	2253	2259	2277	rVB	245754	442743	14.70%	2.507%

Sum of corrected areas: 17661404

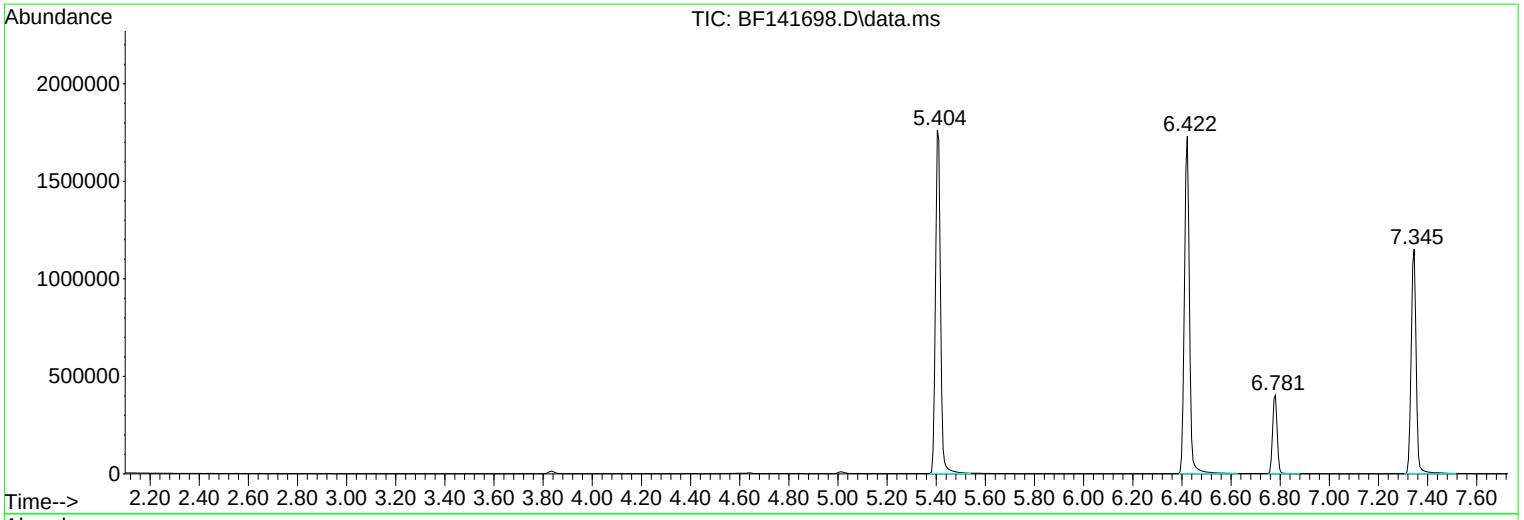
Sample Results: **BF141698.D**

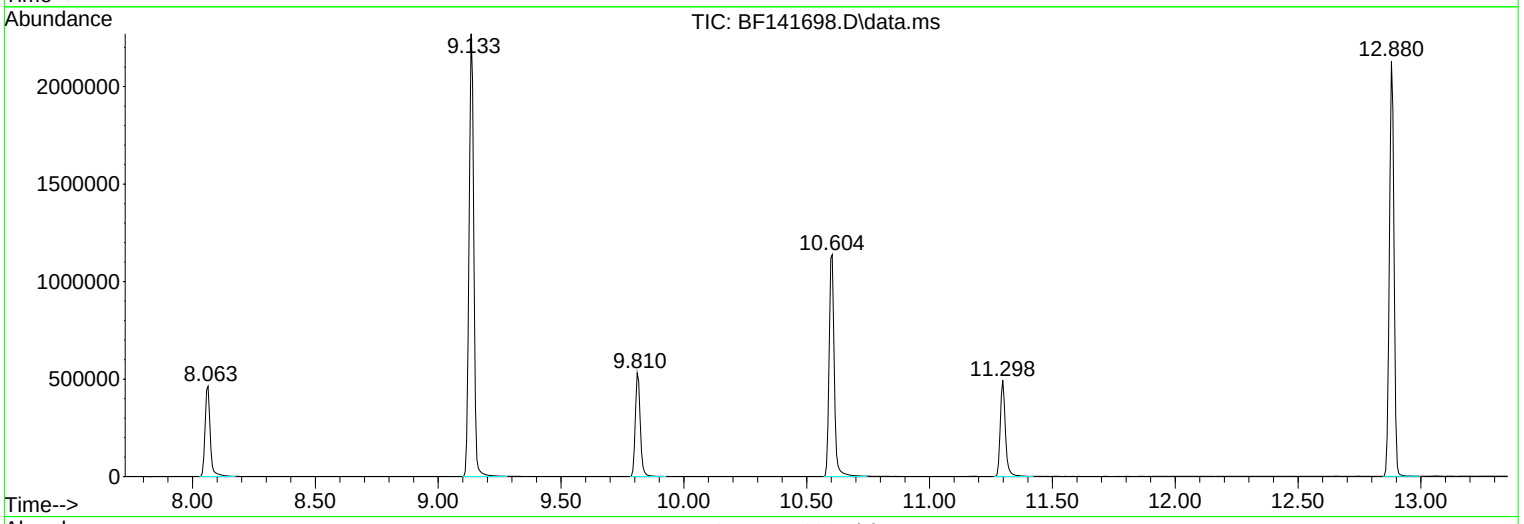
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141698.D
Acq On : 20 Feb 2025 12:33
Operator : RC/JU
Sample : PB166776BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

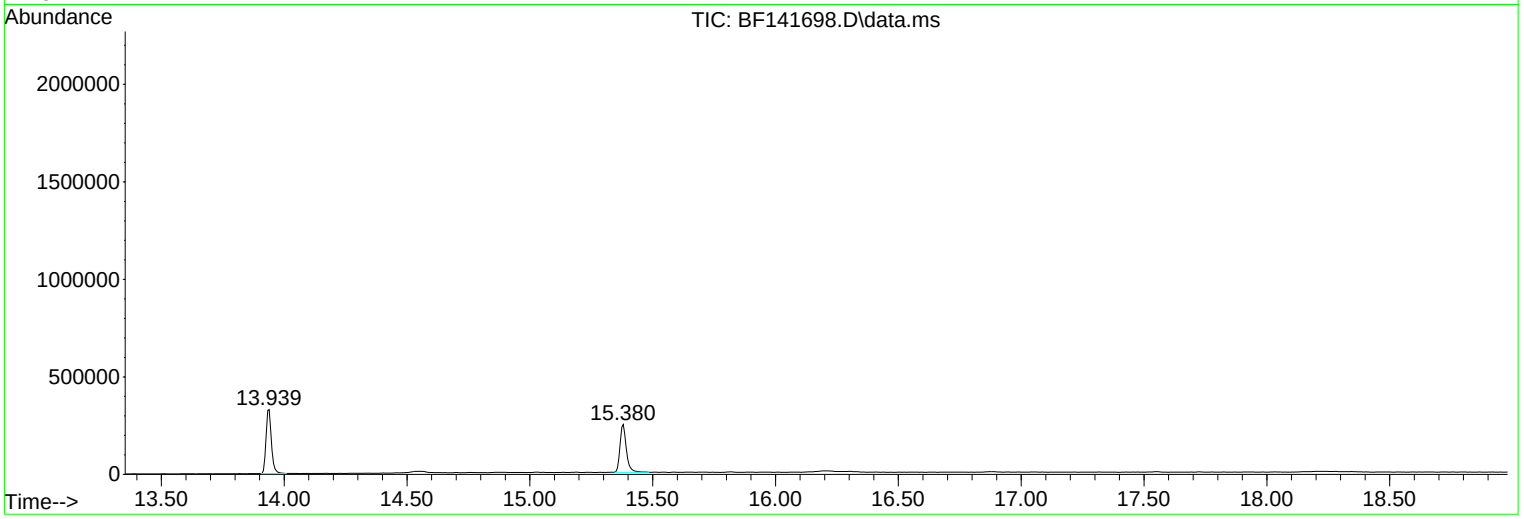
Instrument :
BNA_F
ClientSampleId :
PB166776BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BF141698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141698.D
Acq On : 20 Feb 2025 12:33
Operator : RC/JU
Sample : PB166776BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BF141698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141698.D
Acq On : 20 Feb 2025 12:33
Operator : RC/JU
Sample : PB166776BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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

Raw Data: **BF141699.D**

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB166776BS			SDG No.:	Q1383
Lab Sample ID:	PB166776BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
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
BF141699.D	1	02/19/25 10:05	02/20/25 13:03	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.40		0.083	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.082	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.50		0.086	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.40		0.081	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.40		0.085	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.50		0.084	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.60		0.084	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.40		0.082	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.40		0.083	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.081	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.50		0.079	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.081	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.083	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.093	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.60		0.078	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.60		0.081	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.080	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	88.5		37 - 122		88%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.1		44 - 115		94%	SPK: 100
1718-51-0	Terphenyl-d14	96.1		54 - 127		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87200	6.781				
1146-65-2	Naphthalene-d8	333000	8.063				
15067-26-2	Acenaphthene-d10	174000	9.816				
1517-22-2	Phenanthrene-d10	270000	11.298				
1719-03-5	Chrysene-d12	174000	13.939				
1520-96-3	Perylene-d12	177000	15.38				

Raw Data: **BF141699.D**

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB166776BS			SDG No.:	Q1383
Lab Sample ID:	PB166776BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOCMS Group3
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
BF141699.D	1	02/19/25 10:05	02/20/25 13:03	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141699.D
Acq On : 20 Feb 2025 13:03
Operator : RC/JU
Sample : PB166776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 13:27:13 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

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87175	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	332694	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	173693	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	269657	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	173634	20.000	ng	-0.02
86) Perylene-d12	15.380	264	176994	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	725311	130.439	ng	0.00
7) Phenol-d6	6.428	99	867946	123.497	ng	-0.01
23) Nitrobenzene-d5	7.345	82	564292	88.467	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	221575	126.990	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1060752	94.088	ng	-0.02
79) Terphenyl-d14	12.880	244	988676	96.125	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.575	88	94420	42.190	ng	97
3) Pyridine	3.310	79	218595	41.046	ng	94
4) n-Nitrosodimethylamine	3.257	42	138147	39.176	ng	91
6) Aniline	6.445	93	222770	33.791	ng	90
8) 2-Chlorophenol	6.569	128	261379	43.502	ng	99
9) Benzaldehyde	6.334	77	115962	31.050	ng	95
10) Phenol	6.440	94	305550	41.771	ng	95
11) bis(2-Chloroethyl)ether	6.516	93	242719	44.177	ng	100
12) 1,3-Dichlorobenzene	6.722	146	277228	43.705	ng	97
13) 1,4-Dichlorobenzene	6.798	146	280508	43.282	ng	99
14) 1,2-Dichlorobenzene	6.951	146	267644	44.496	ng	99
15) Benzyl Alcohol	6.928	79	216278	40.130	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	376314	40.012	ng	81
17) 2-Methylphenol	7.045	107	200728	42.691	ng	97
18) Hexachloroethane	7.287	117	104391	43.523	ng	99
19) n-Nitroso-di-n-propyla...	7.192	70	175045	41.639	ng	95
20) 3+4-Methylphenols	7.198	107	257675	43.122	ng	92
22) Acetophenone	7.192	105	396112	47.863	ng	95
24) Nitrobenzene	7.363	77	268663	43.194	ng	100
25) Isophorone	7.604	82	469107	46.125	ng	99
26) 2-Nitrophenol	7.681	139	135380	43.749	ng	95
27) 2,4-Dimethylphenol	7.722	122	203384	56.260	ng	99
28) bis(2-Chloroethoxy)met...	7.810	93	290525	44.579	ng	99
29) 2,4-Dichlorophenol	7.928	162	213890	43.790	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	234145	44.020	ng	99
31) Naphthalene	8.081	128	737197	42.568	ng	100
32) Benzoic acid	7.863	122	144901m	38.589	ng	
33) 4-Chloroaniline	8.139	127	72372	11.970	ng	98
34) Hexachlorobutadiene	8.198	225	141446	44.296	ng	99
35) Caprolactam	8.504	113	69185m	46.521	ng	
36) 4-Chloro-3-methylphenol	8.628	107	225834	41.740	ng	100
37) 2-Methylnaphthalene	8.775	142	463695	41.146	ng	100
38) 1-Methylnaphthalene	8.875	142	452758	41.481	ng	100
40) 1,2,4,5-Tetrachloroben...	8.939	216	251455	50.039	ng	99
41) Hexachlorocyclopentadiene	8.922	237	229243	137.156	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	144254	44.416	ng	100

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141699.D
Acq On : 20 Feb 2025 13:03
Operator : RC/JU
Sample : PB166776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 13:27:13 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

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	152557	43.341	ng	97
46) 1,1'-Biphenyl	9.239	154	660188	49.026	ng	100
47) 2-Chloronaphthalene	9.263	162	452576	45.450	ng	98
48) 2-Nitroaniline	9.363	65	142181	42.546	ng	97
49) Acenaphthylene	9.675	152	683006	46.115	ng	100
50) Dimethylphthalate	9.539	163	524971	44.521	ng	100
51) 2,6-Dinitrotoluene	9.604	165	115137	44.666	ng	97
52) Acenaphthene	9.845	154	429158	43.100	ng	100
53) 3-Nitroaniline	9.775	138	63575	22.915	ng	96
54) 2,4-Dinitrophenol	9.892	184	111864	73.018	ng	88
55) Dibenzofuran	10.022	168	607831	41.588	ng	99
56) 4-Nitrophenol	9.951	139	148950	72.322	ng	97
57) 2,4-Dinitrotoluene	10.010	165	150374	43.821	ng	99
58) Fluorene	10.363	166	479871	42.464	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	127160	41.961	ng	95
60) Diethylphthalate	10.239	149	494002	42.581	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	238542	43.877	ng	97
62) 4-Nitroaniline	10.392	138	105249	37.360	ng	97
63) Azobenzene	10.516	77	470068	40.757	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	73351	39.159	ng	94
66) n-Nitrosodiphenylamine	10.475	169	416264	48.223	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	144158	47.833	ng	100
68) Hexachlorobenzene	10.910	284	151735	48.894	ng	99
69) Atrazine	11.004	200	152819	59.012	ng	99
70) Pentachlorophenol	11.110	266	135174	68.120	ng	99
71) Phenanthrene	11.322	178	682726	45.995	ng	100
72) Anthracene	11.375	178	697815	46.767	ng	99
73) Carbazole	11.533	167	574394	42.782	ng	99
74) Di-n-butylphthalate	11.863	149	693026	44.704	ng	100
75) Fluoranthene	12.510	202	649928	41.300	ng	100
77) Benzidine	12.639	184	172502	45.047	ng	99
78) Pyrene	12.739	202	639725	43.280	ng	99
80) Butylbenzylphthalate	13.357	149	234796	45.861	ng	98
81) Benzo(a)anthracene	13.927	228	516958	44.789	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	116901	35.357	ng	100
83) Chrysene	13.963	228	481985	45.226	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	303987	52.646	ng	100
85) Di-n-octyl phthalate	14.527	149	484777	58.851	ng	97
87) Indeno(1,2,3-cd)pyrene	16.809	276	534394	48.864	ng	99
88) Benzo(b)fluoranthene	14.963	252	480528	40.434	ng	99
89) Benzo(k)fluoranthene	14.992	252	475753	46.881	ng	99
90) Benzo(a)pyrene	15.315	252	463704	48.220	ng	98
91) Dibenzo(a,h)anthracene	16.821	278	429886	48.511	ng	99
92) Benzo(g,h,i)perylene	17.239	276	412214	44.452	ng	99

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

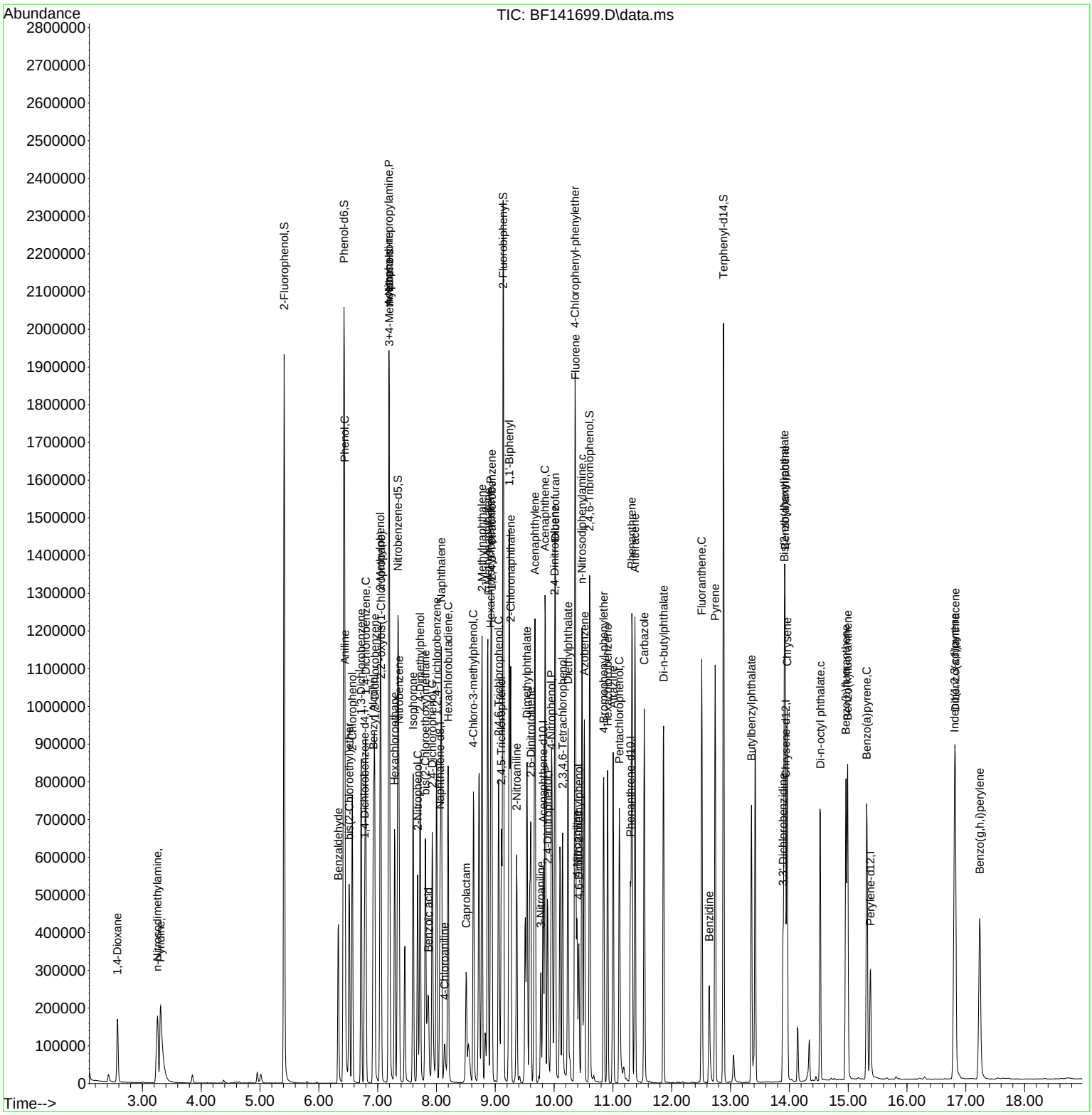
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Data File : BF141699.D
Acq On : 20 Feb 2025 13:03
Operator : RC/JU
Sample : PB166776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

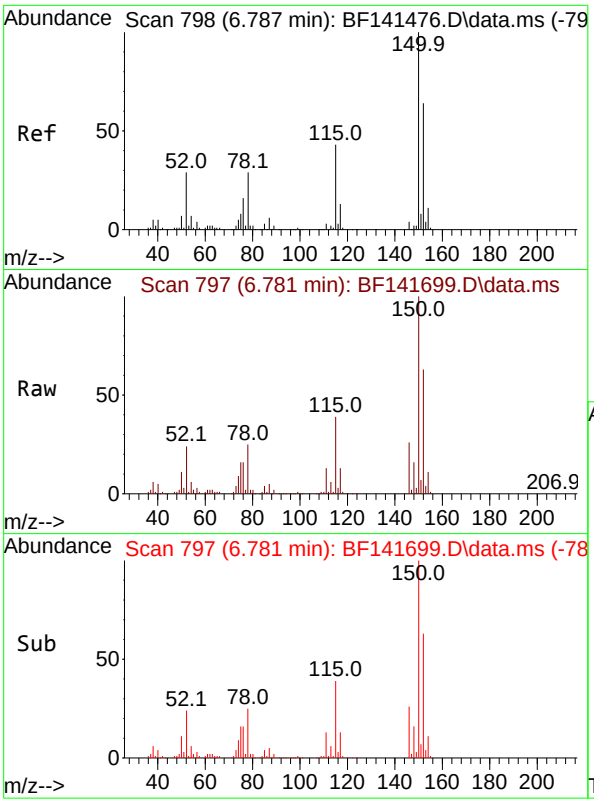
Quant Time: Feb 20 13:27:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

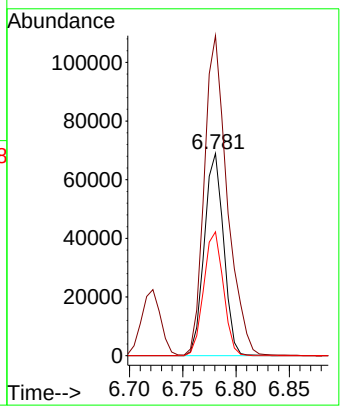




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:152 Resp: 8717

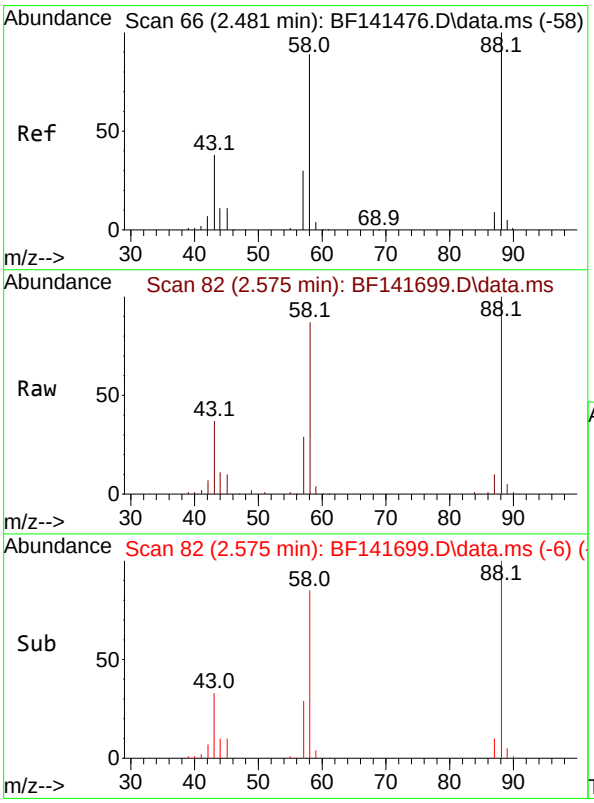
Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.0	187.4
115	61.2	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

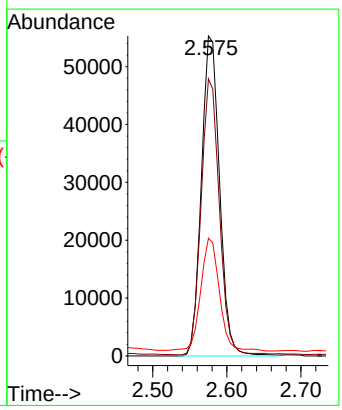
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

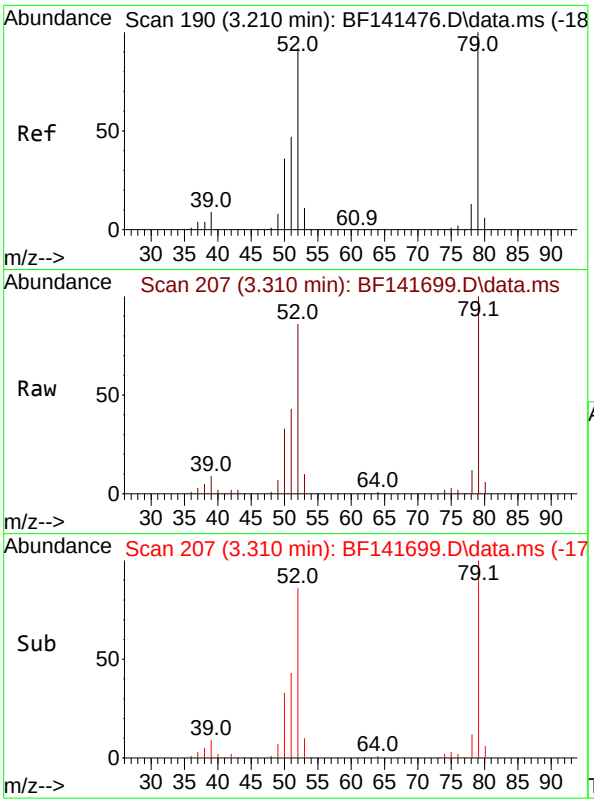


#2
1,4-Dioxane
Concen: 42.190 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.094 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 88 Resp: 94420

Ion	Ratio	Lower	Upper
88	100		
58	86.5	71.1	106.7
43	36.3	30.6	46.0

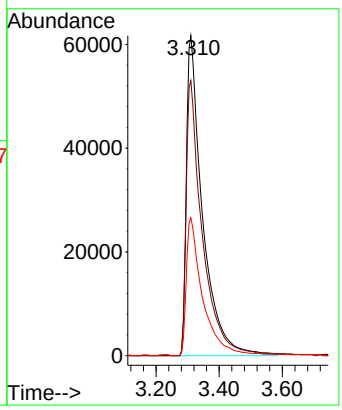




#3
Pyridine
Concen: 41.046 ng
RT: 3.310 min Scan# 2
Delta R.T. 0.094 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 79 Resp: 21859

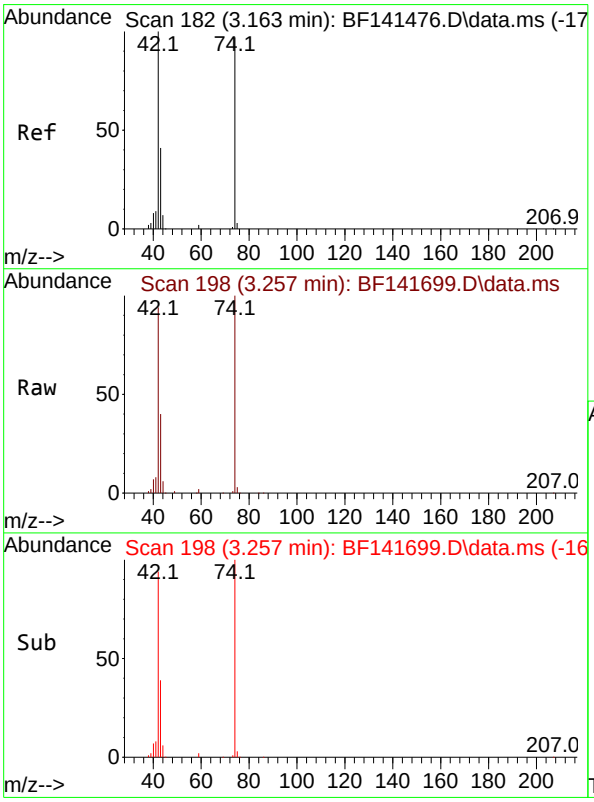
Ion	Ratio	Lower	Upper
79	100		
52	86.0	73.7	110.5
51	43.1	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

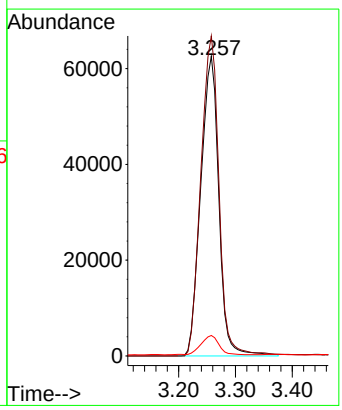
Reviewed By :Rahul Chavli 02/21/2025
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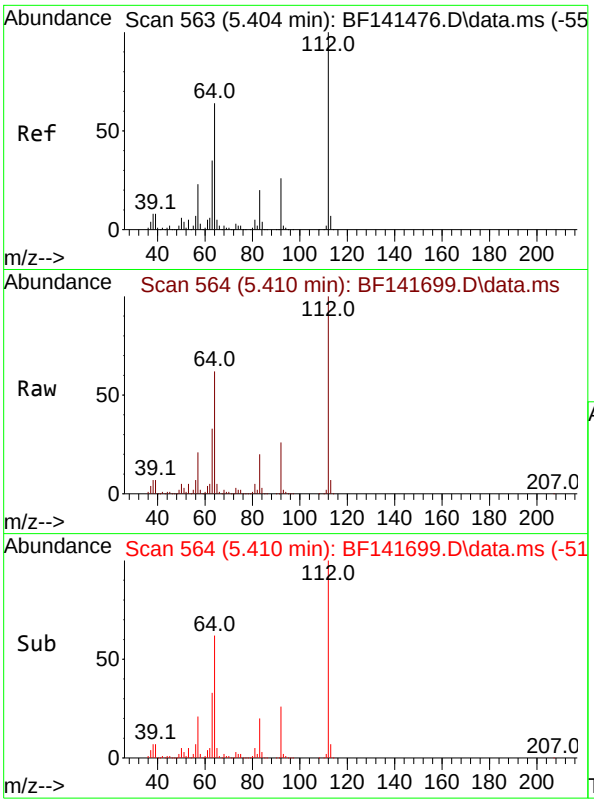


#4
n-Nitrosodimethylamine
Concen: 39.176 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.071 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 42 Resp: 138147

Ion	Ratio	Lower	Upper
42	100		
74	106.7	78.0	117.0
44	6.8	5.4	8.2





#5
2-Fluorophenol
Concen: 130.439 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

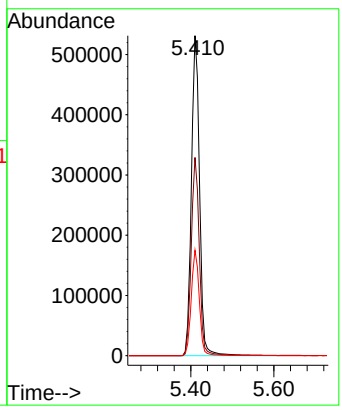
Tgt Ion:112 Resp: 72531

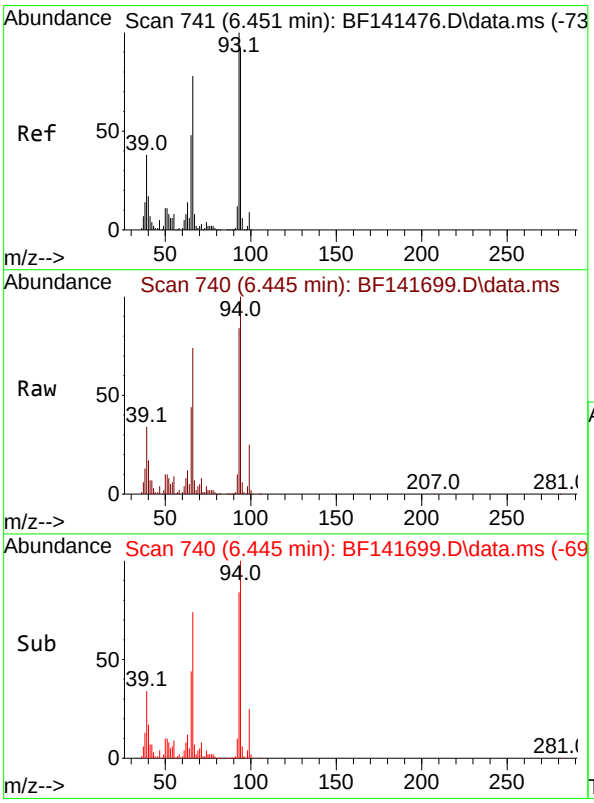
Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.1	76.7
63	33.0	28.4	42.6

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

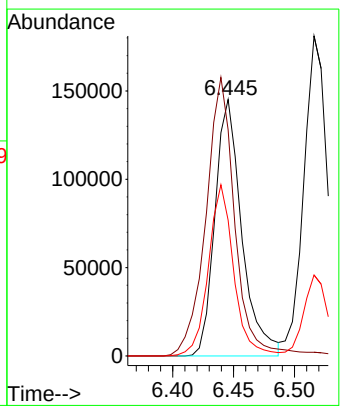


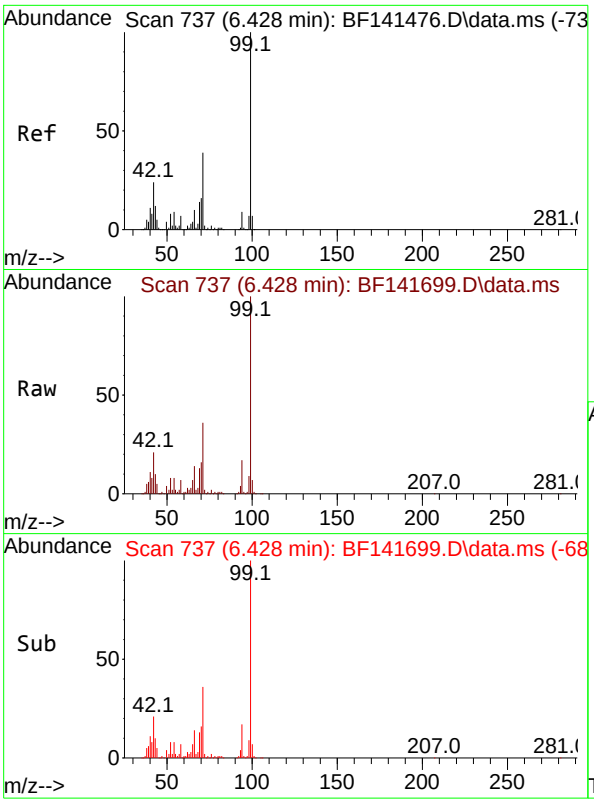


#6
Aniline
Concen: 33.791 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 93 Resp: 222770

Ion	Ratio	Lower	Upper
93	100		
66	88.2	62.6	94.0
65	52.9	38.3	57.5

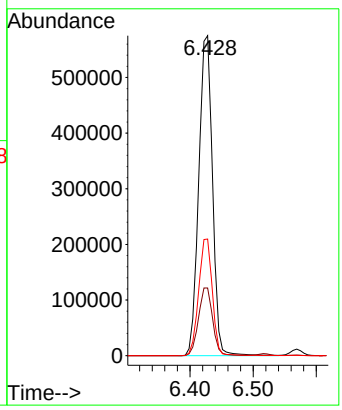




#7
Phenol-d6
Concen: 123.497 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 99 Resp: 86794

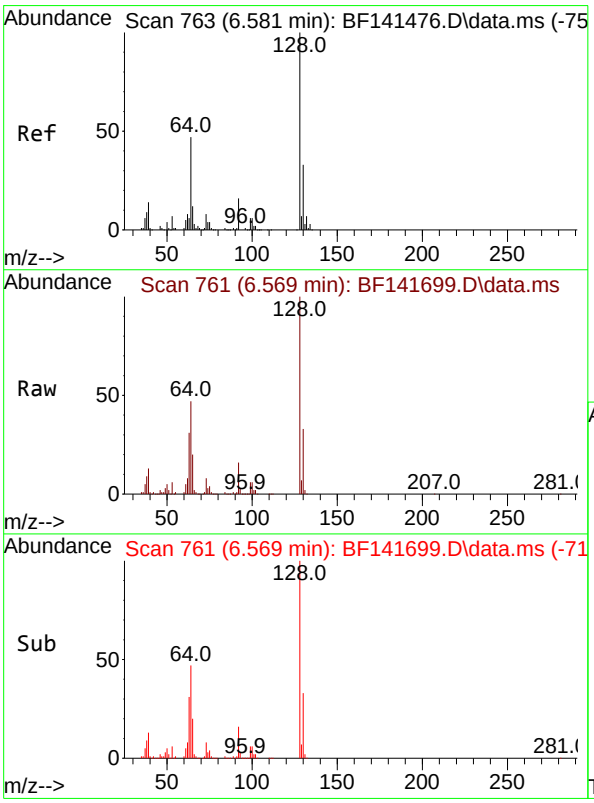
Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.1	28.7
71	36.5	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

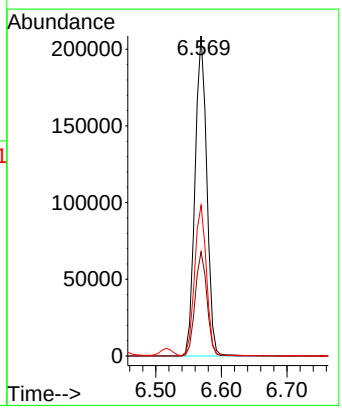
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

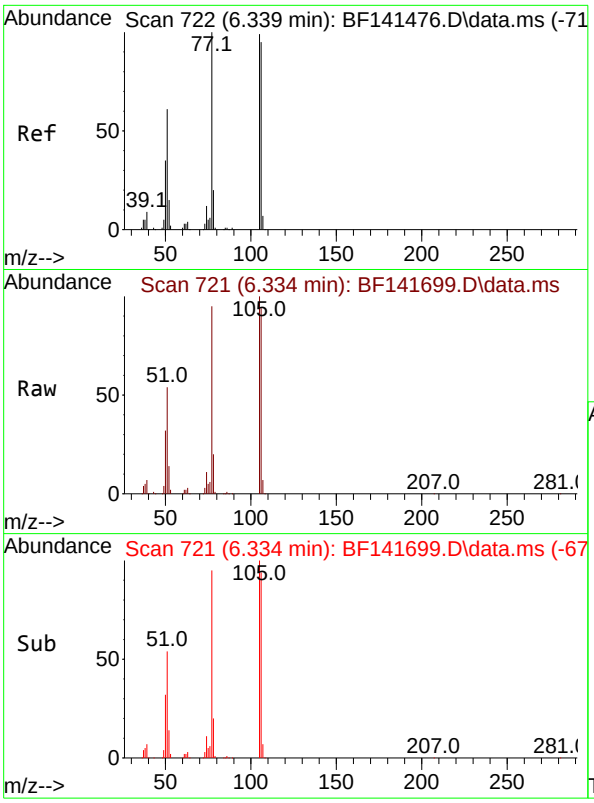


#8
2-Chlorophenol
Concen: 43.502 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:128 Resp: 261379

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	47.1	28.3	68.3

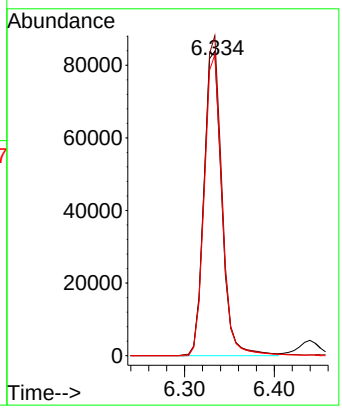




#9
Benzaldehyde
Concen: 31.050 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 77 Resp: 11596

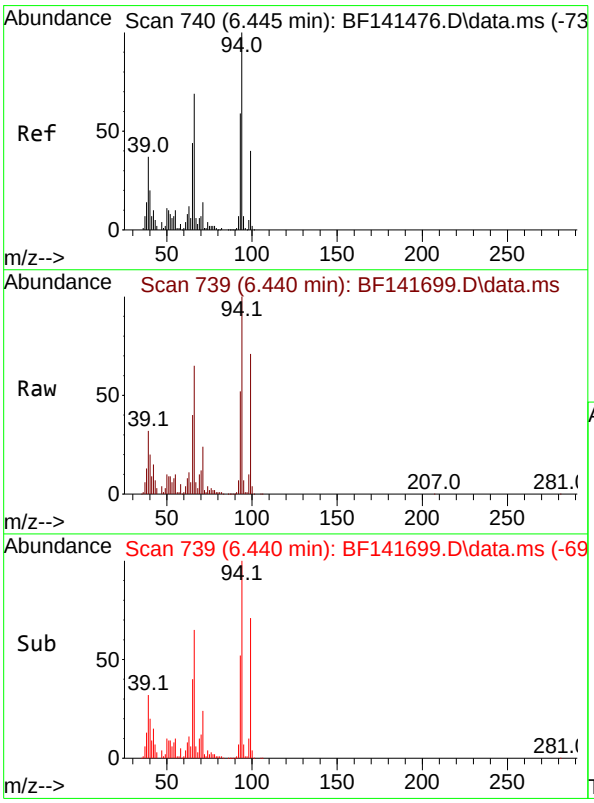
Ion	Ratio	Lower	Upper
77	100		
105	105.0	79.4	119.4
106	98.8	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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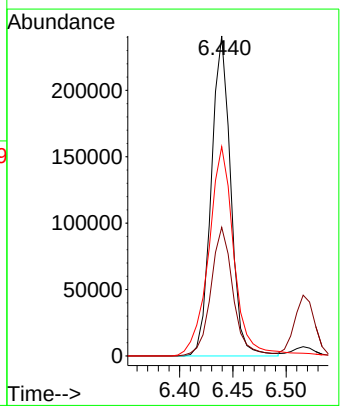
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

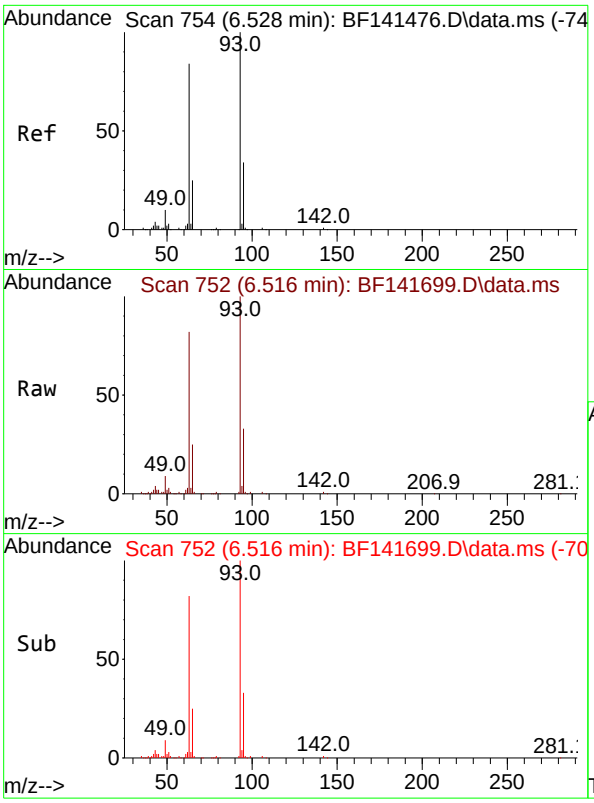


#10
Phenol
Concen: 41.771 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 94 Resp: 305550

Ion	Ratio	Lower	Upper
94	100		
65	40.2	23.7	63.7
66	65.4	49.3	89.3

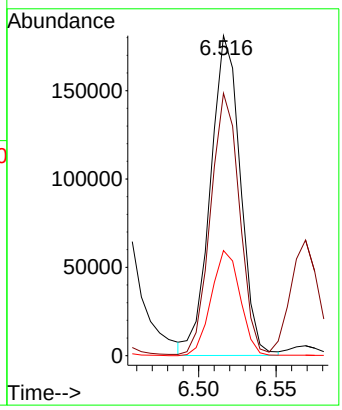




#11
bis(2-Chloroethyl)ether
Concen: 44.177 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 93 Resp: 24271

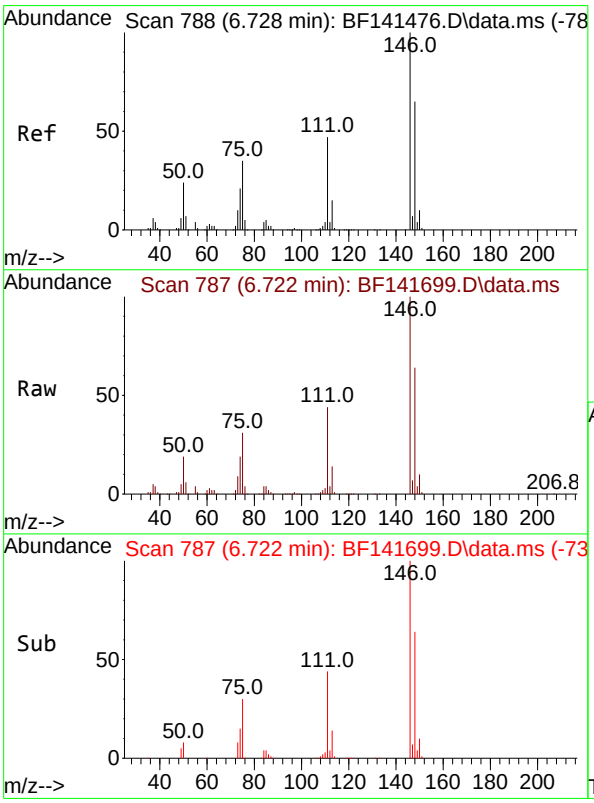
Ion	Ratio	Lower	Upper
93	100		
63	82.0	62.0	102.0
95	32.9	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

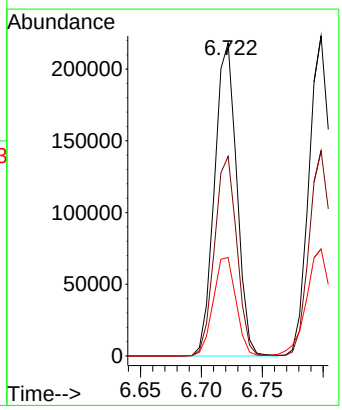
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

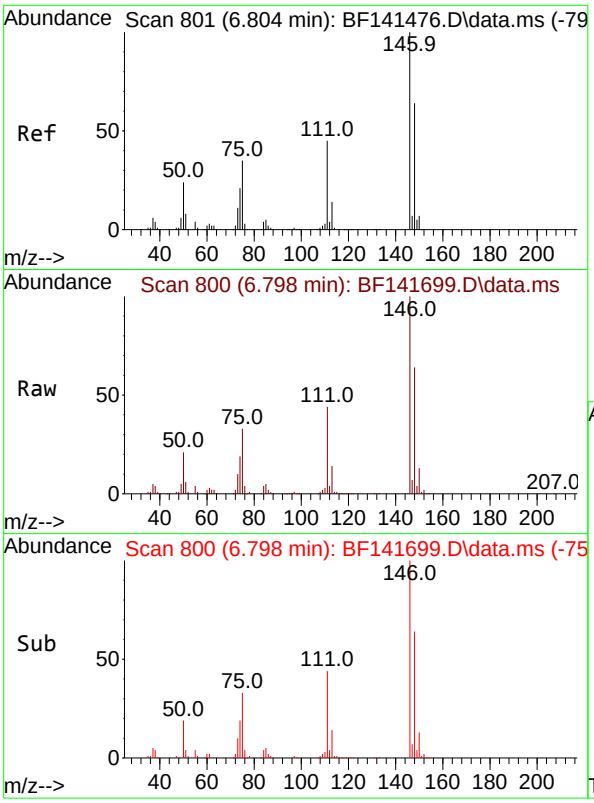


#12
1,3-Dichlorobenzene
Concen: 43.705 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:146 Resp: 277228

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.9	77.9
75	31.4	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 43.282 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

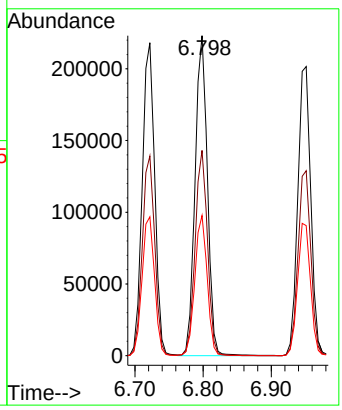
Tgt Ion:146 Resp: 28050

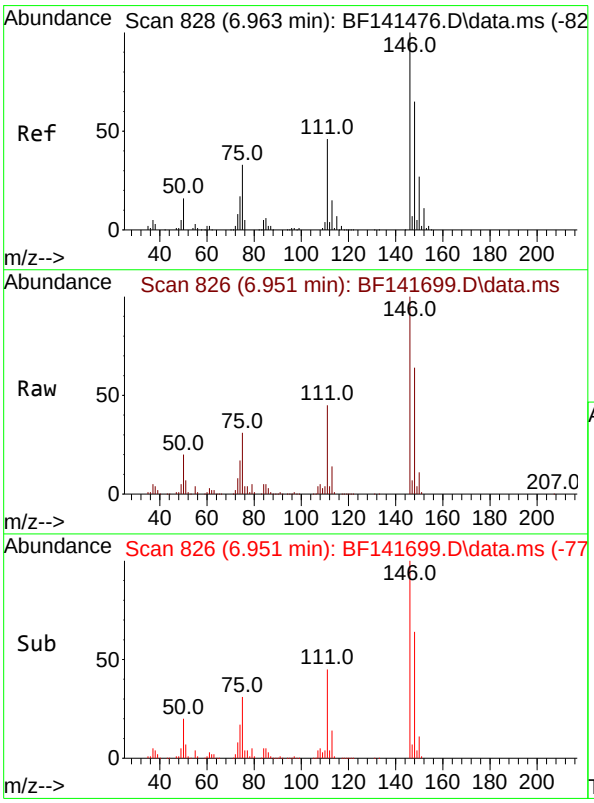
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	43.8	35.9	53.9

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

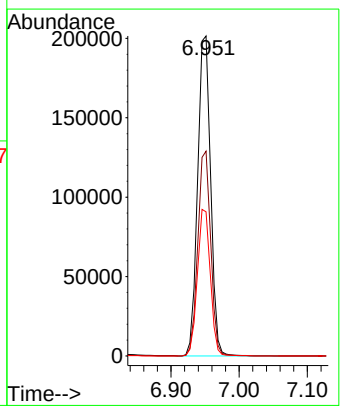


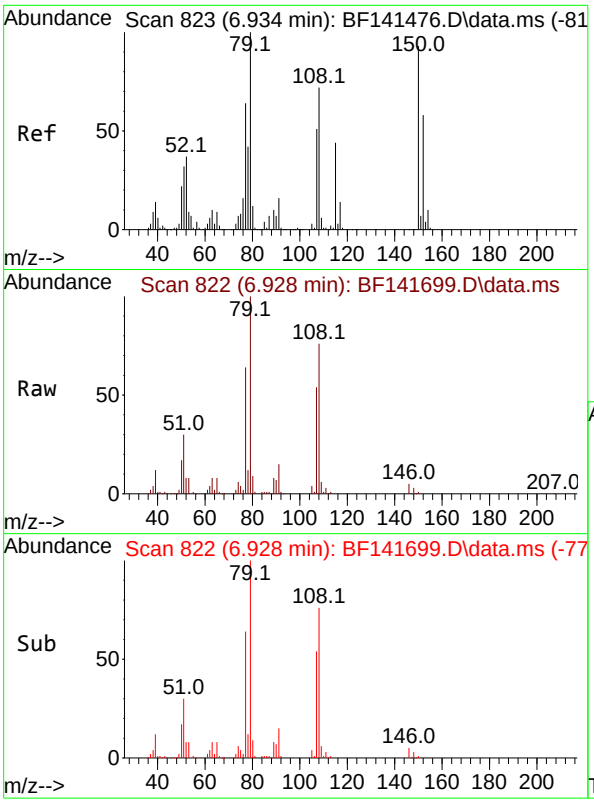


#14
1,2-Dichlorobenzene
Concen: 44.496 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:146 Resp: 267644

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.6
111	45.0	37.0	55.4





#15
Benzyl Alcohol
Concen: 40.130 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

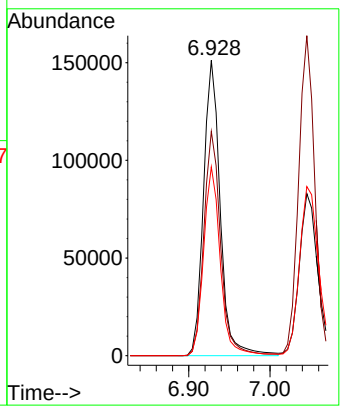
Tgt Ion: 79 Resp: 21627

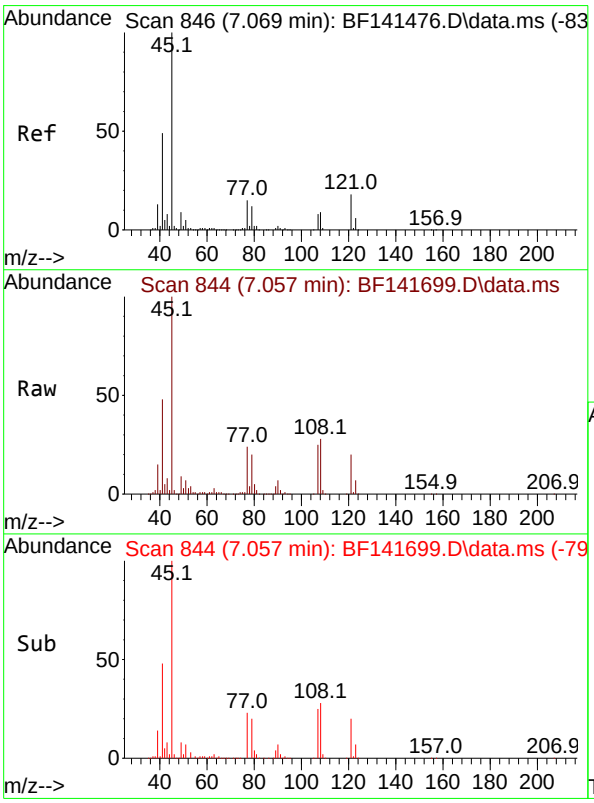
Ion	Ratio	Lower	Upper
79	100		
108	75.9	57.4	86.2
77	63.9	50.9	76.3

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

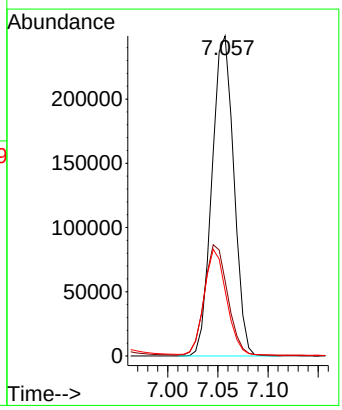


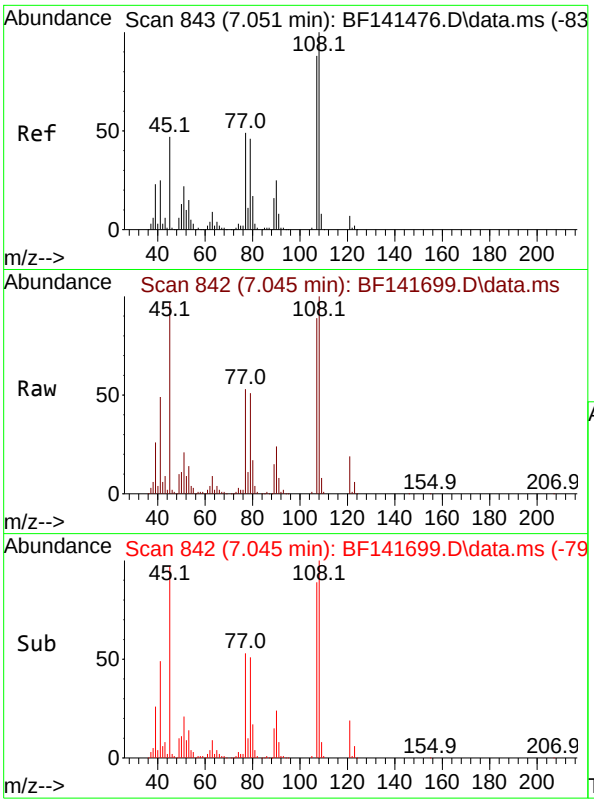


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.012 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 45 Resp: 376314

Ion	Ratio	Lower	Upper
45	100		
77	23.6	0.0	35.8
79	20.5	0.0	32.7

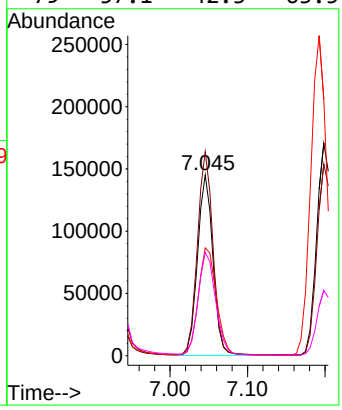




#17
2-Methylphenol
Concen: 42.691 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:107 Resp: 20072

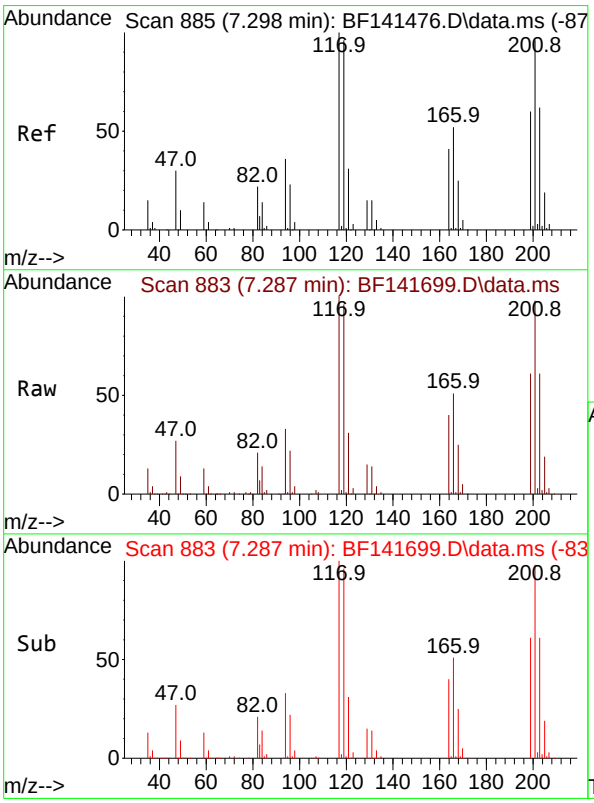
Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	136.0
77	59.6	44.4	66.6
79	57.1	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

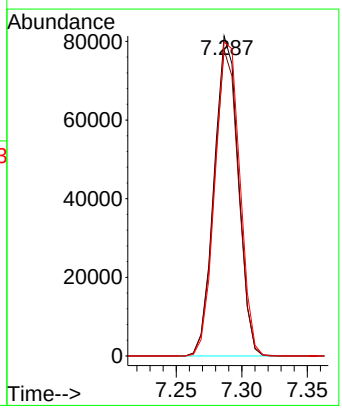
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

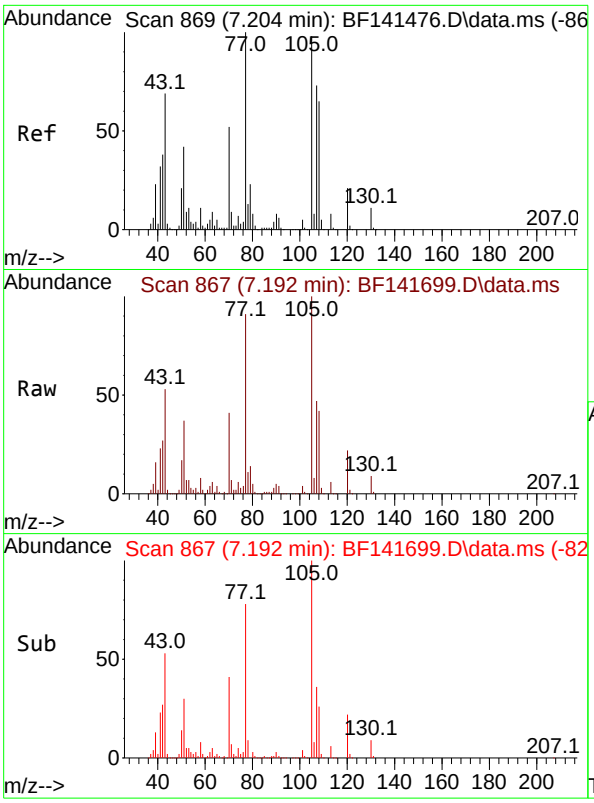


#18
Hexachloroethane
Concen: 43.523 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:117 Resp: 104391

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	98.1	76.7	115.1

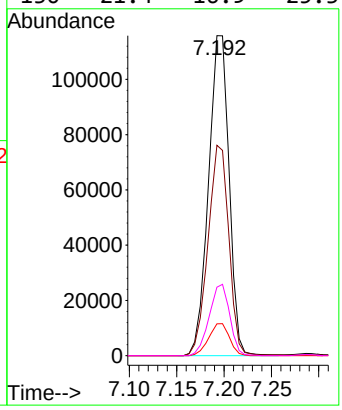




#19
n-Nitroso-di-n-propylamine
Concen: 41.639 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 70 Resp: 17504

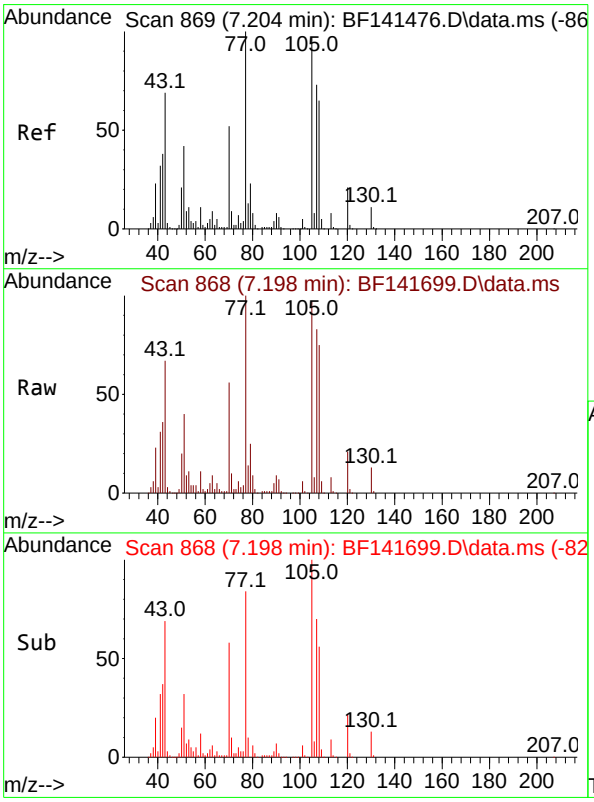
Ion	Ratio	Lower	Upper
70	100		
42	65.7	57.4	86.2
101	9.9	8.0	12.0
130	21.4	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

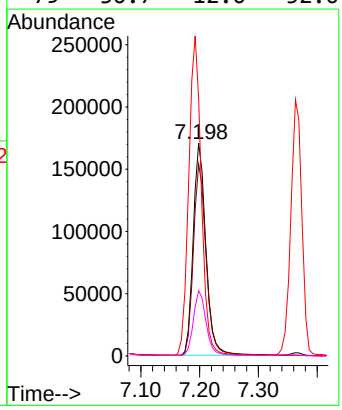
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

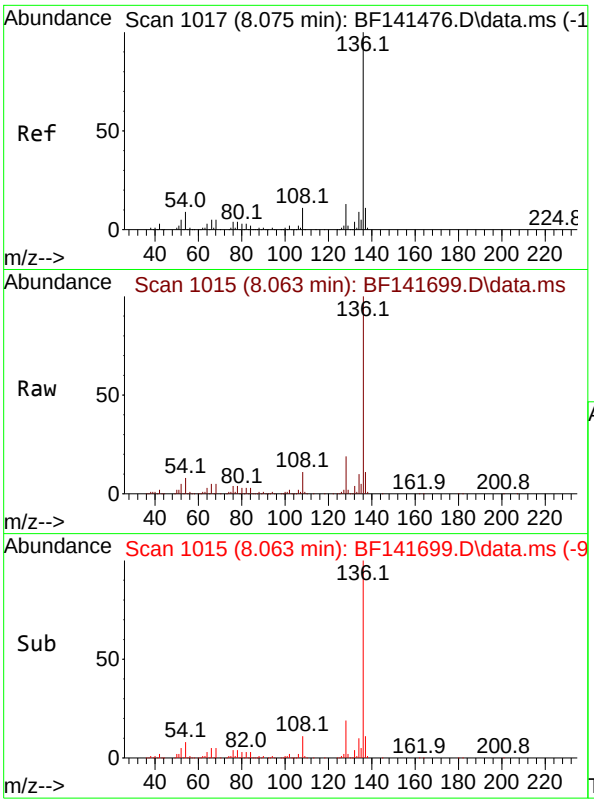


#20
3+4-Methylphenols
Concen: 43.122 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:107 Resp: 257675

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.5	108.5
77	120.7	116.5	156.5
79	30.7	12.0	52.0

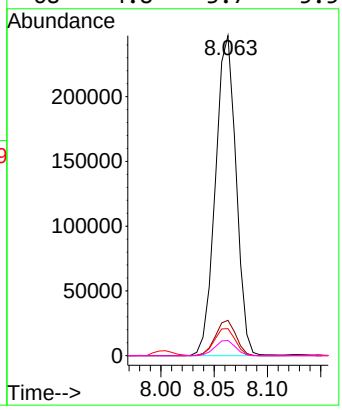




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:136 Resp: 33269

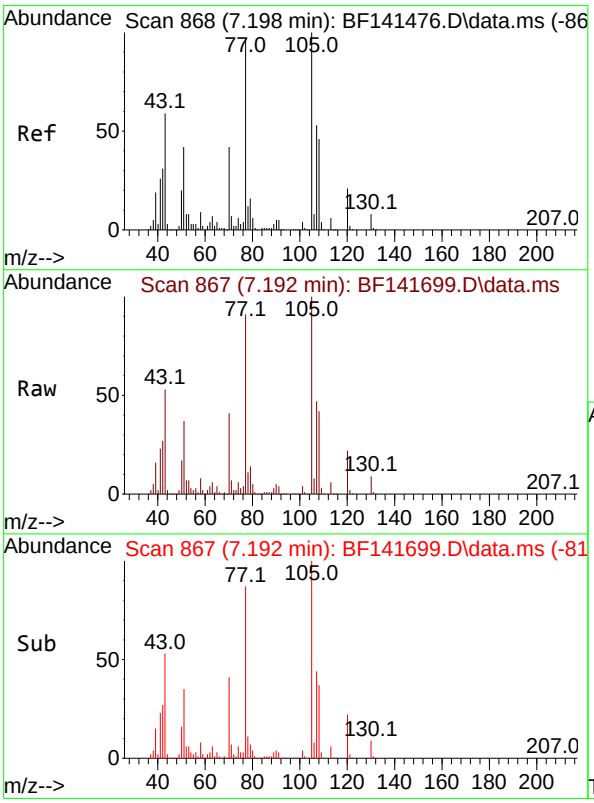
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.5	7.2	10.8
68	4.8	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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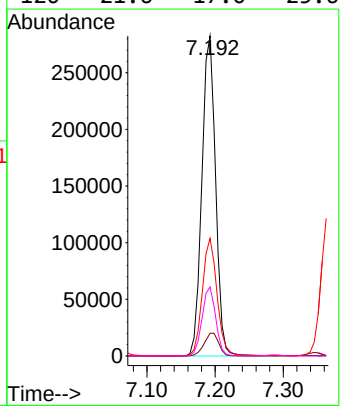
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

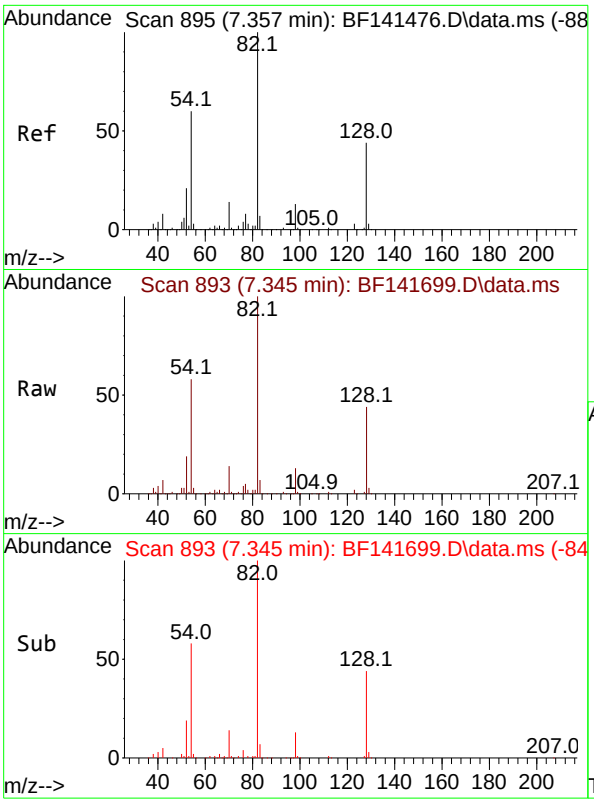


#22
Acetophenone
Concen: 47.863 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:105 Resp: 396112

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	36.7	33.7	50.5
120	21.6	17.0	25.6





#23
Nitrobenzene-d5
Concen: 88.467 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

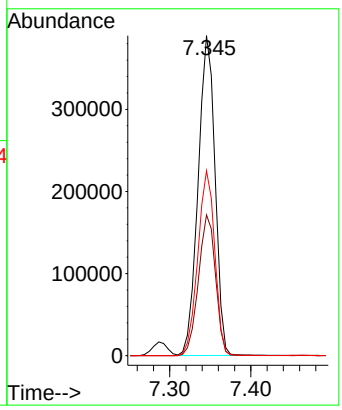
Tgt Ion: 82 Resp: 56429

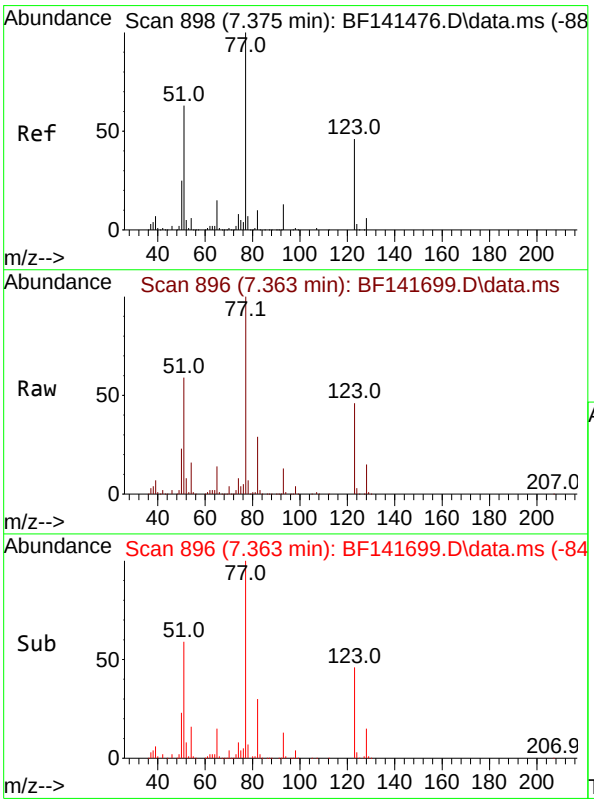
Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	57.8	48.2	72.4

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

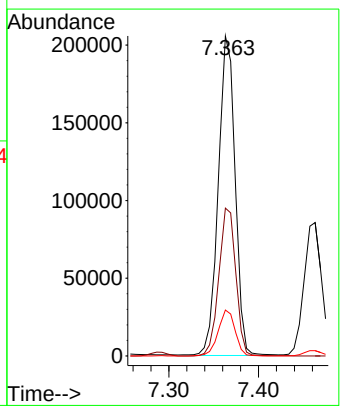


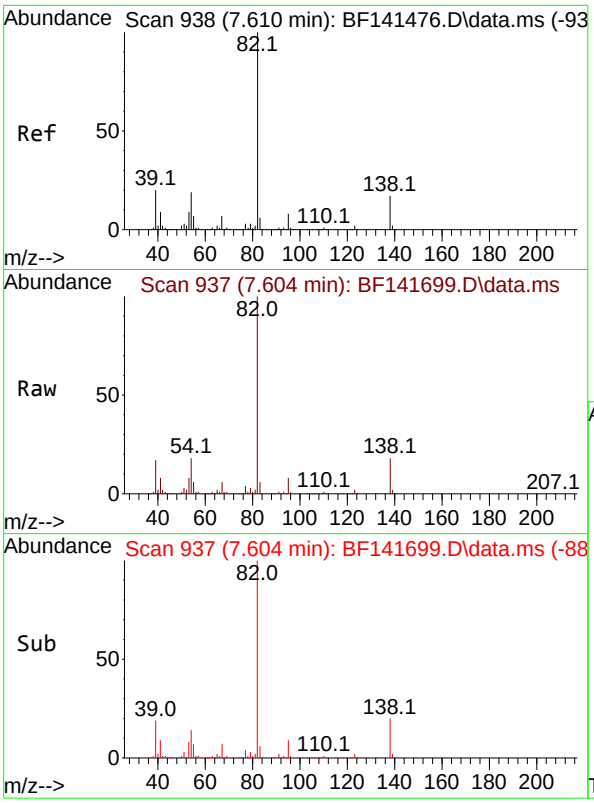


#24
Nitrobenzene
Concen: 43.194 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 77 Resp: 268663

Ion	Ratio	Lower	Upper
77	100		
123	46.2	36.9	55.3
65	14.4	11.9	17.9

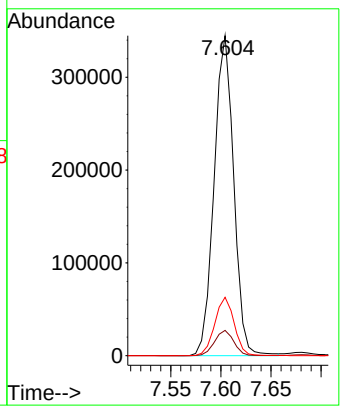




#25
Isophorone
Concen: 46.125 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 82 Resp: 46910

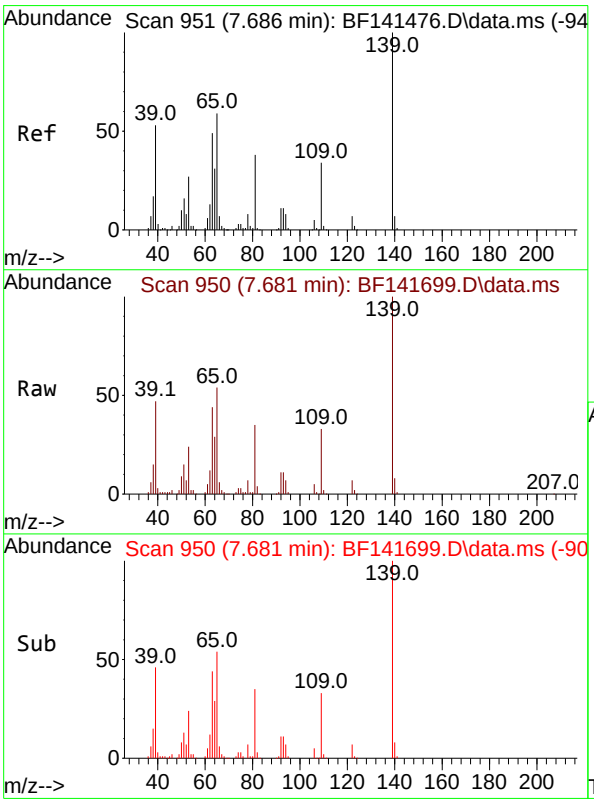
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.3	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

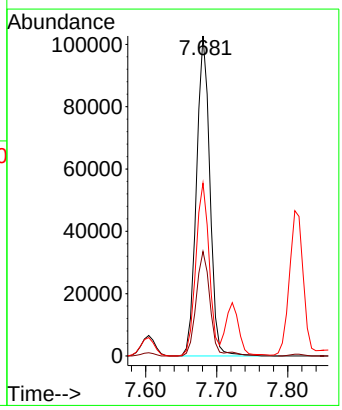
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

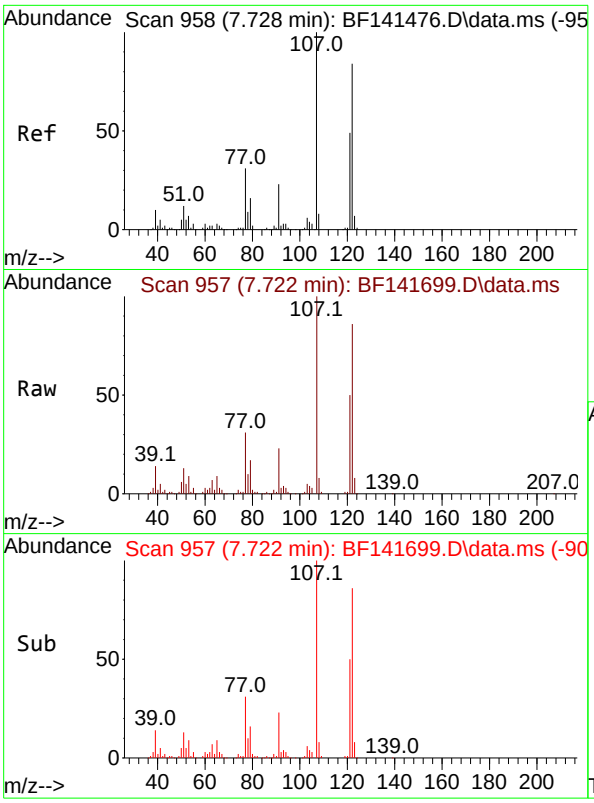


#26
2-Nitrophenol
Concen: 43.749 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:139 Resp: 135380

Ion	Ratio	Lower	Upper
139	100		
109	32.7	27.0	40.6
65	54.0	47.1	70.7

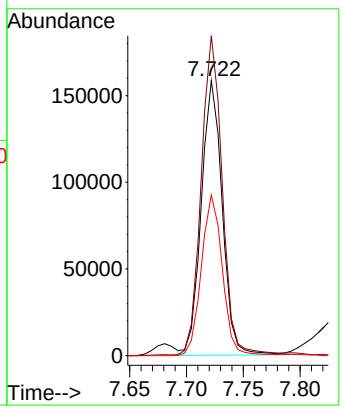




#27
2,4-Dimethylphenol
Concen: 56.260 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:122 Resp: 20338

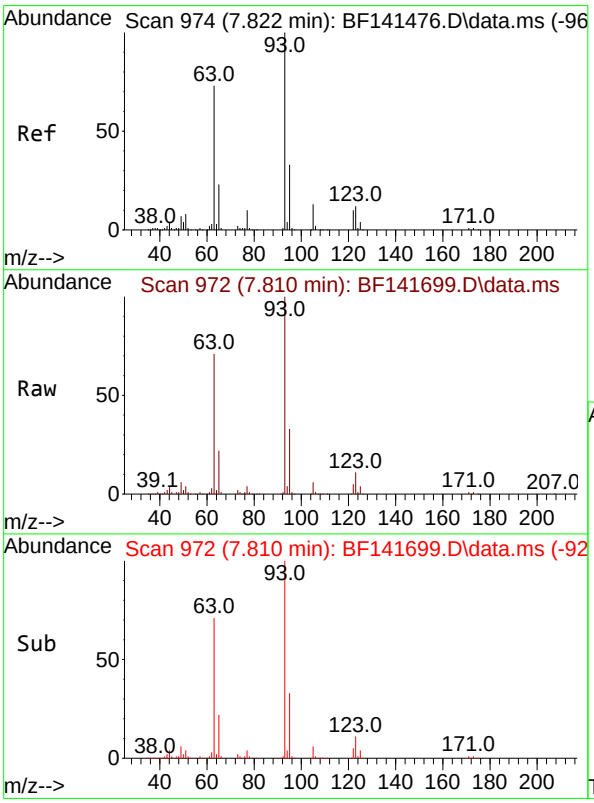
Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	58.4	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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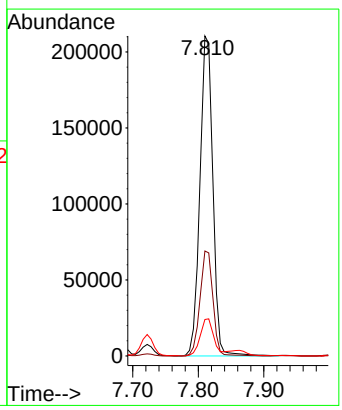
Reviewed By :Rahul Chavli 02/21/2025
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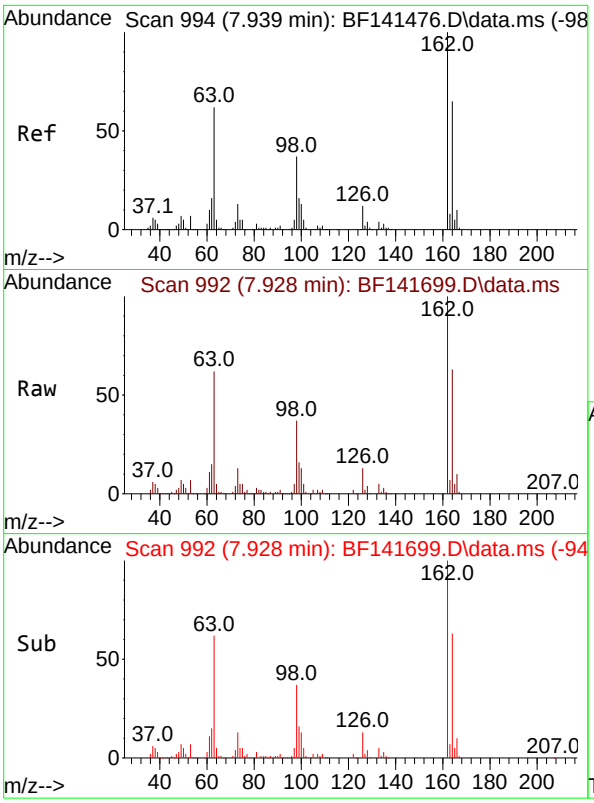


#28
bis(2-Chloroethoxy)methane
Concen: 44.579 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 93 Resp: 290525

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	11.4	9.5	14.3

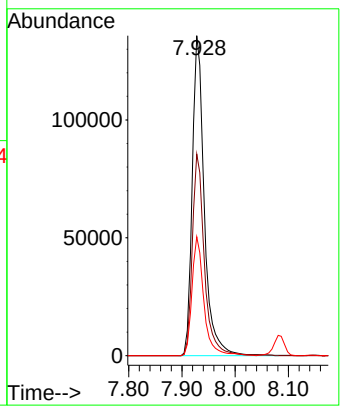




#29
2,4-Dichlorophenol
Concen: 43.790 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:162 Resp: 21389

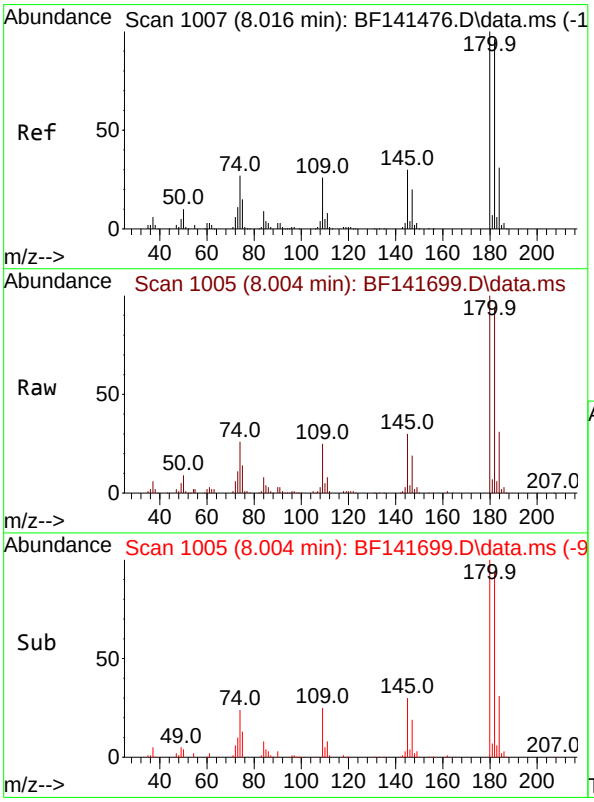
Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	37.2	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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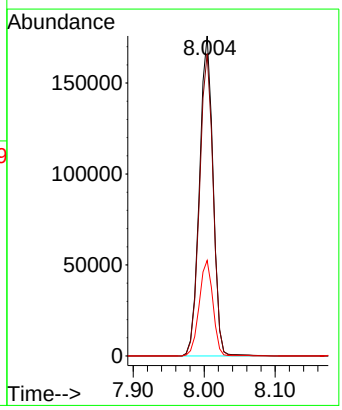
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Supervised By :Jagrut Upadhyay 02/21/2025

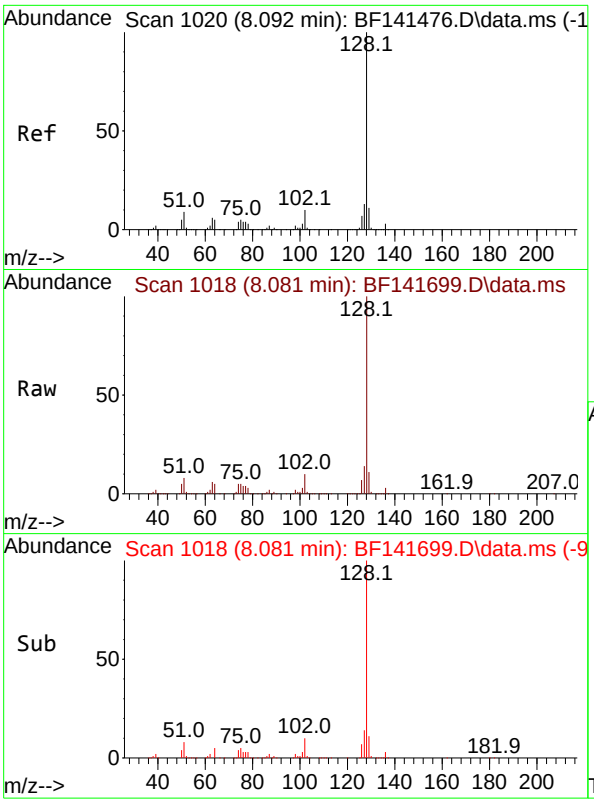


#30
1,2,4-Trichlorobenzene
Concen: 44.020 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:180 Resp: 234145

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.8	115.2
145	29.9	24.2	36.4

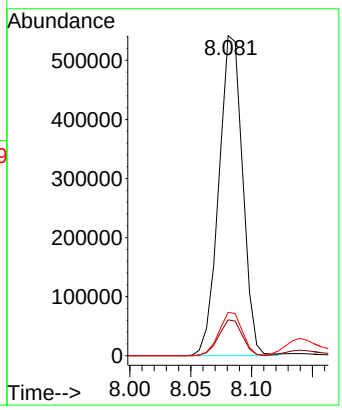




#31
Naphthalene
Concen: 42.568 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:128 Resp: 73719

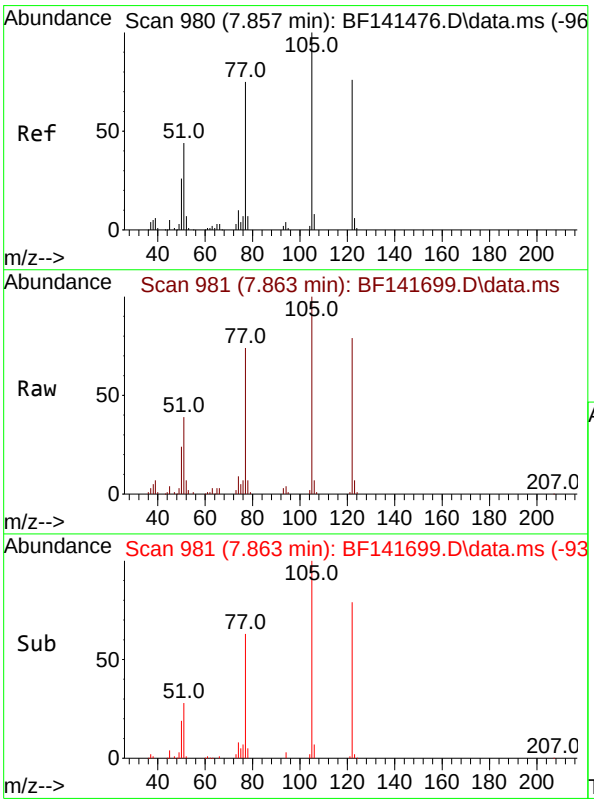
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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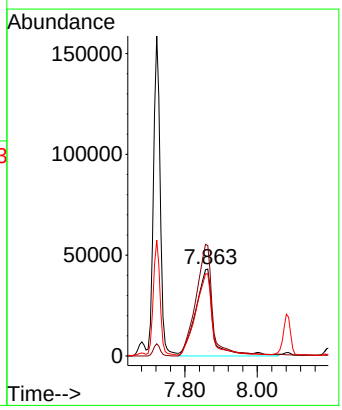
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

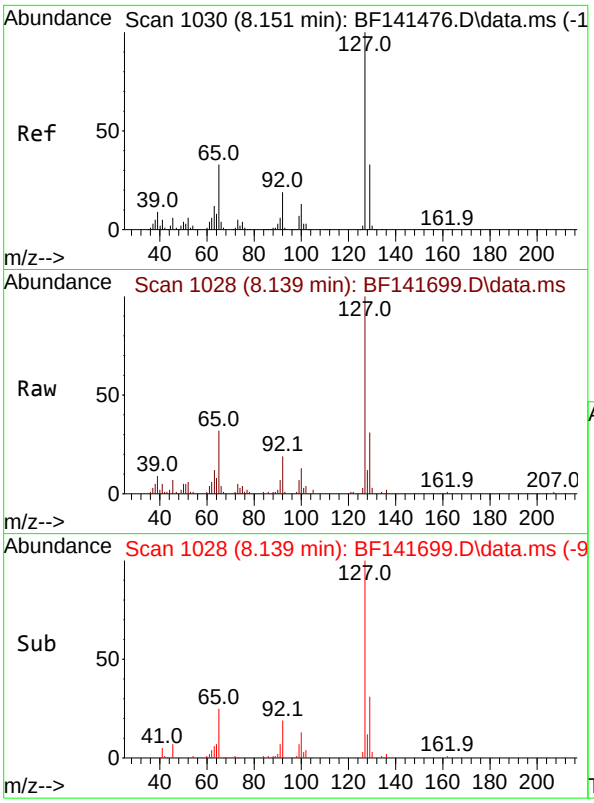


#32
Benzoic acid
Concen: 38.589 ng m
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:122 Resp: 144901

Ion	Ratio	Lower	Upper
122	100		
105	127.3	106.5	146.5
77	94.8	76.3	116.3

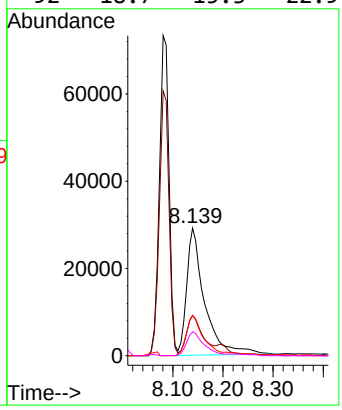




#33
4-Chloroaniline
Concen: 11.970 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:127 Resp: 7237

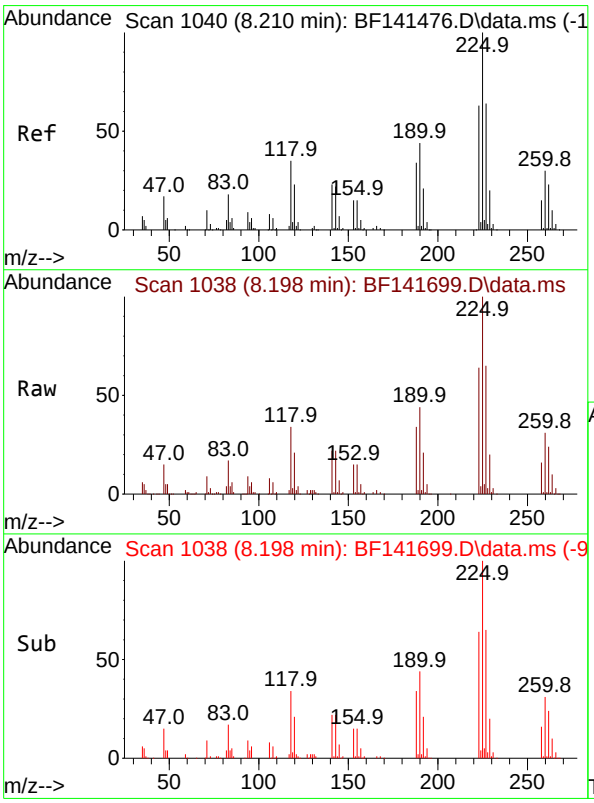
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.5	39.7
65	31.6	26.4	39.6
92	18.7	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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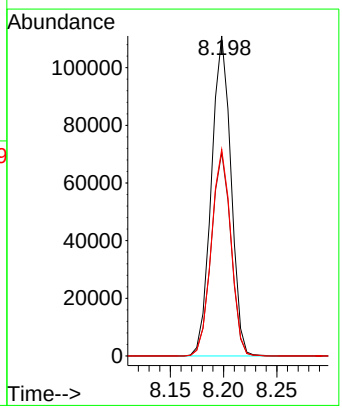
Reviewed By :Rahul Chavli 02/21/2025
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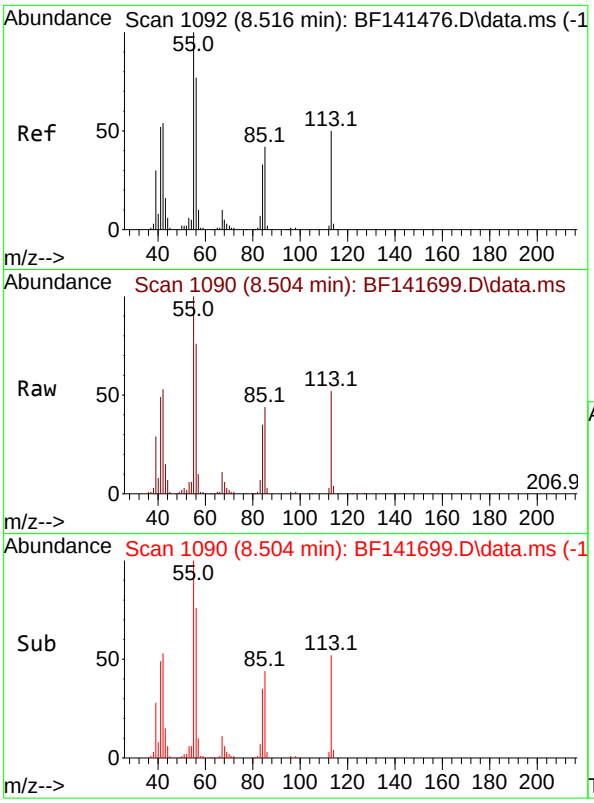


#34
Hexachlorobutadiene
Concen: 44.296 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:225 Resp: 141446

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	64.6	51.0	76.6





#35
Caprolactam
Concen: 46.521 ng m
RT: 8.504 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

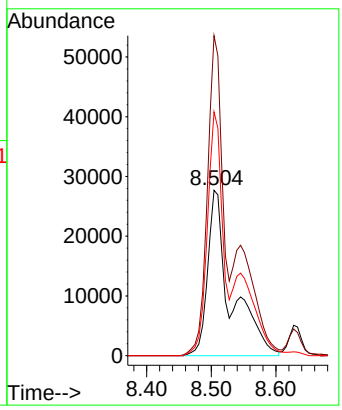
Tgt Ion:113 Resp: 6918

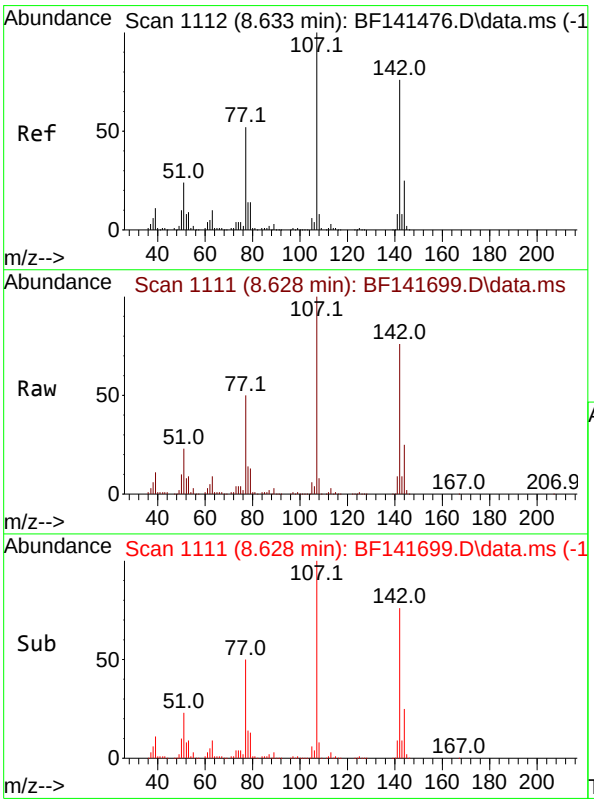
Ion	Ratio	Lower	Upper
113	100		
55	193.4	180.8	220.8
56	147.4	133.6	173.6

Instrument :
BNA_F
ClientSampleId :
PB166776BS

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Reviewed By :Rahul Chavli 02/21/2025
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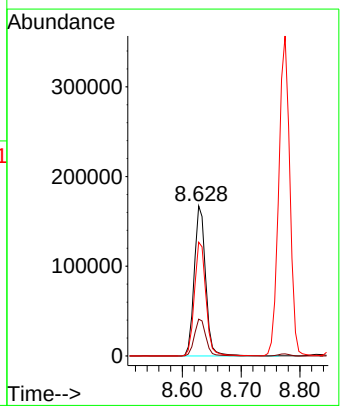


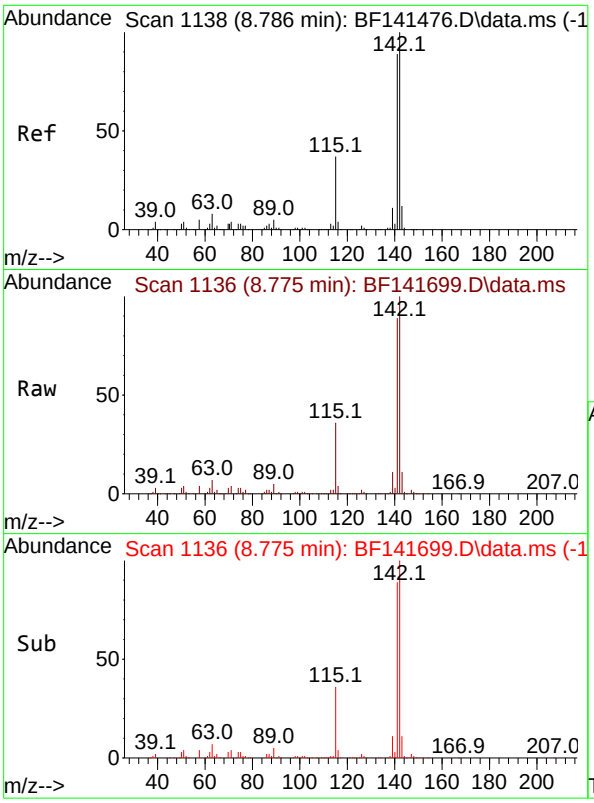


#36
4-Chloro-3-methylphenol
Concen: 41.740 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:107 Resp: 225834

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	75.8	60.8	91.2

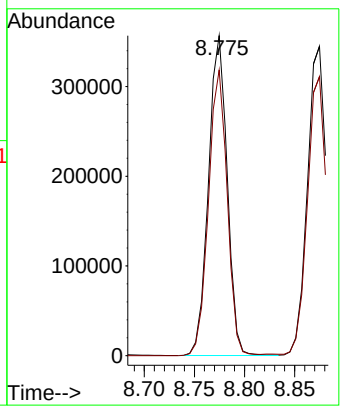




#37
2-Methylnaphthalene
Concen: 41.146 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:142 Resp: 46369

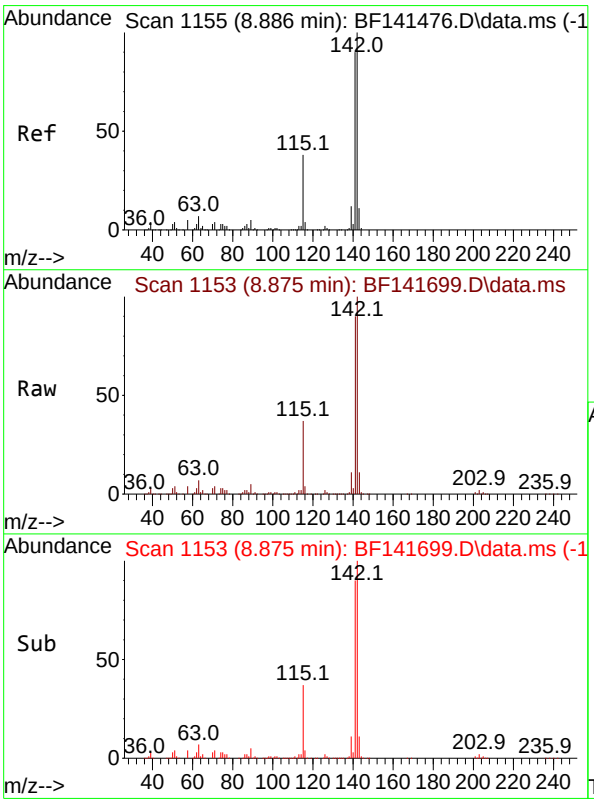
Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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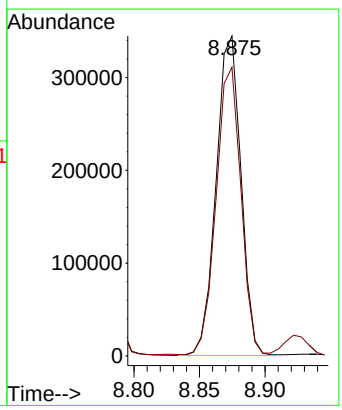
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

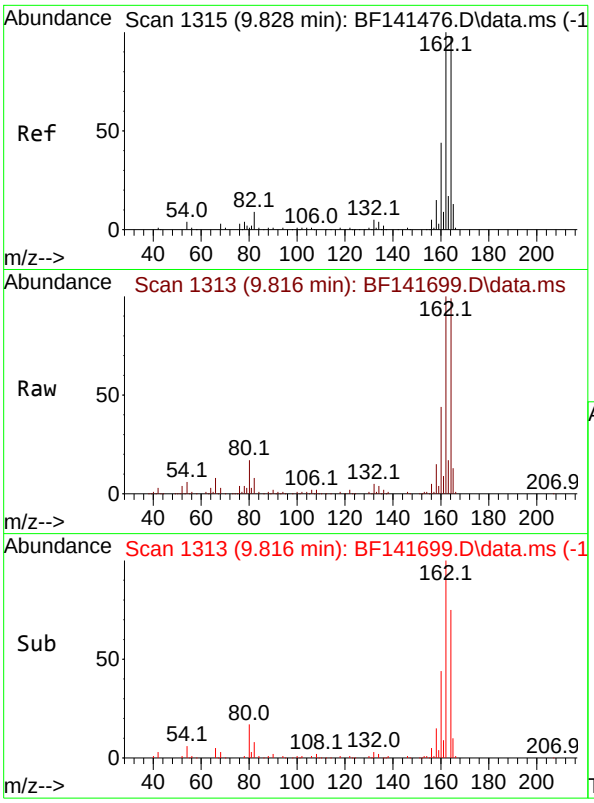


#38
1-Methylnaphthalene
Concen: 41.481 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:142 Resp: 452758

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.1	108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

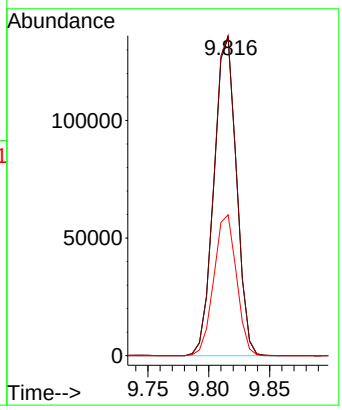
Tgt Ion:164 Resp: 17369

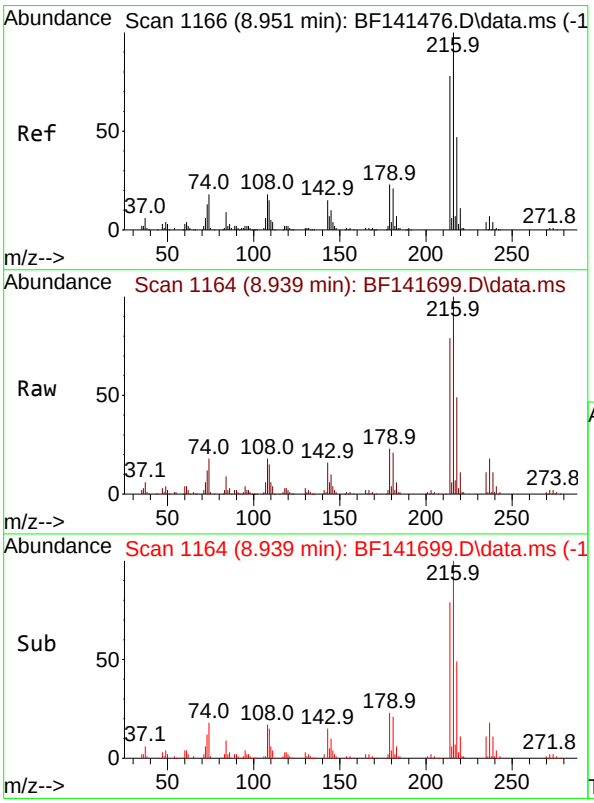
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.3	121.9
160	44.4	35.9	53.9

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
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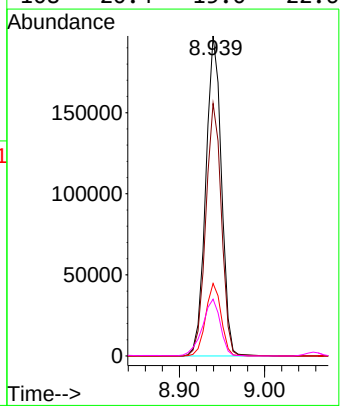


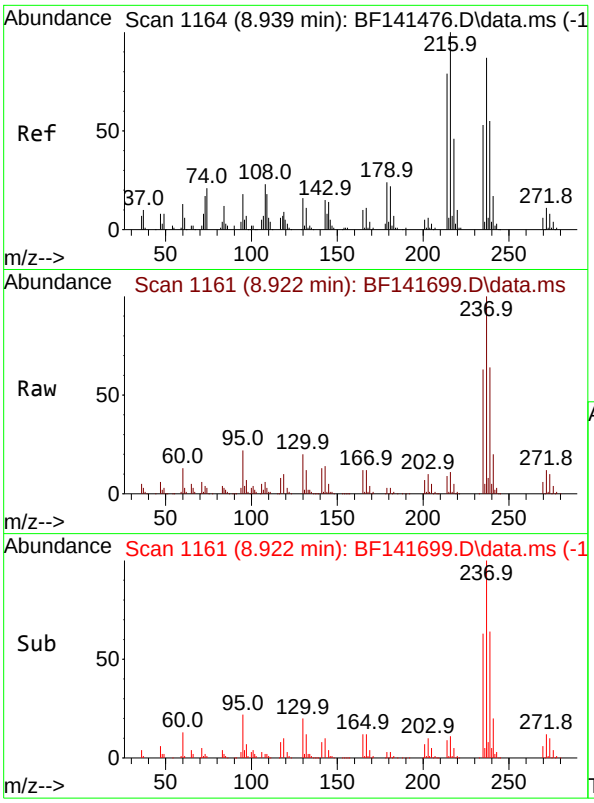


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.039 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:216 Resp: 251455

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.3	93.5
179	22.3	18.0	27.0
108	20.4	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 137.156 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

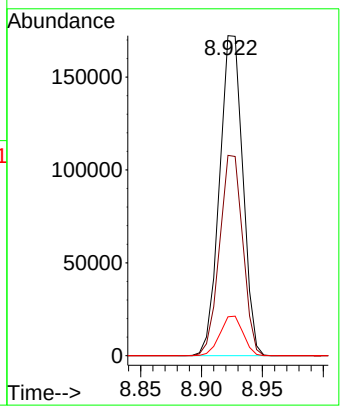
Tgt Ion:237 Resp: 22924

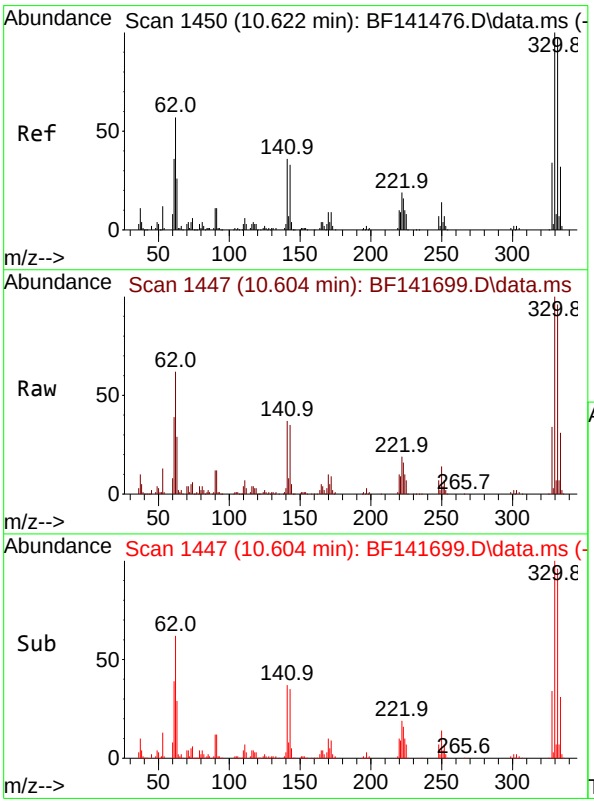
Ion	Ratio	Lower	Upper
237	100		
235	62.6	41.4	81.4
272	12.1	0.0	32.4

Instrument :
BNA_F
ClientSampleId :
PB166776BS

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

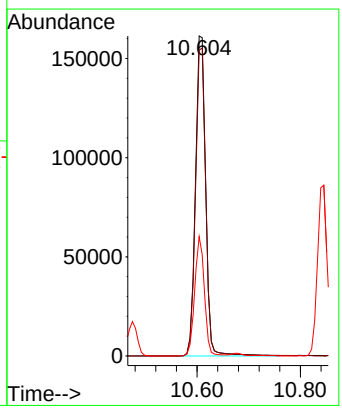


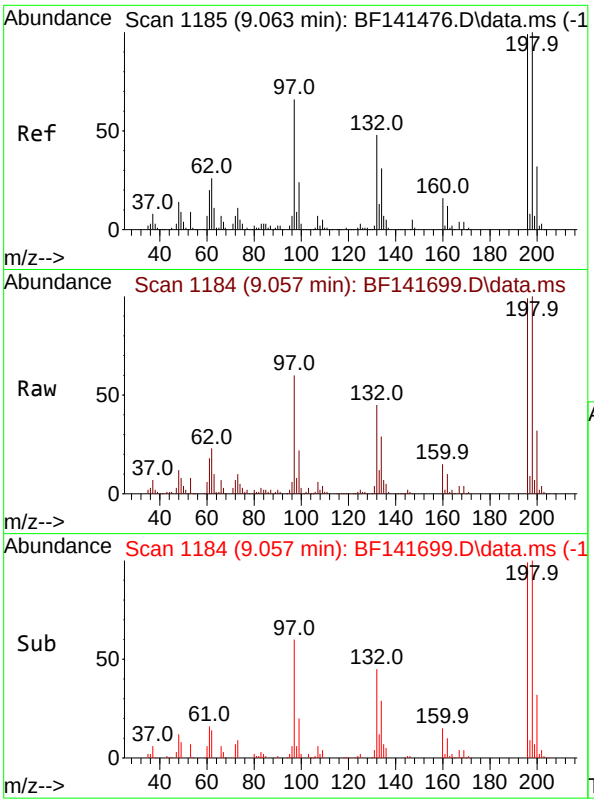


#42
2,4,6-Tribromophenol
Concen: 126.990 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:330 Resp: 221575

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	35.4	31.0	46.4

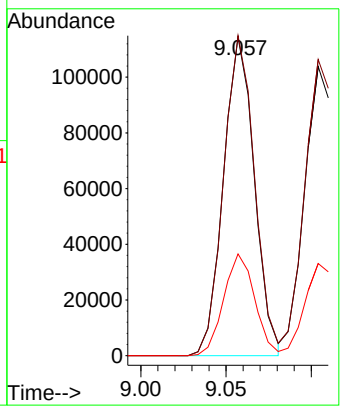




#43
2,4,6-Trichlorophenol
Concen: 44.416 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:196 Resp: 14425

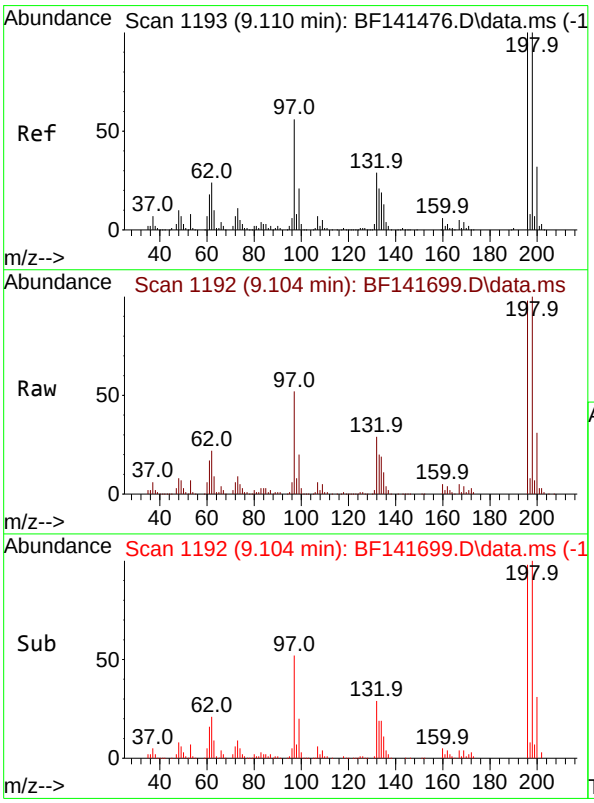
Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.6	121.0
200	31.9	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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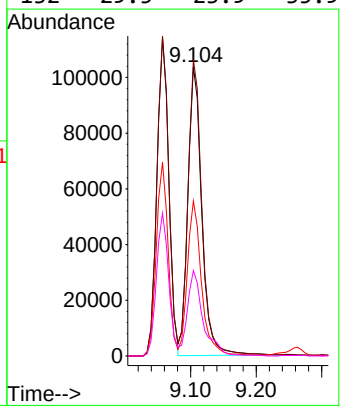
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

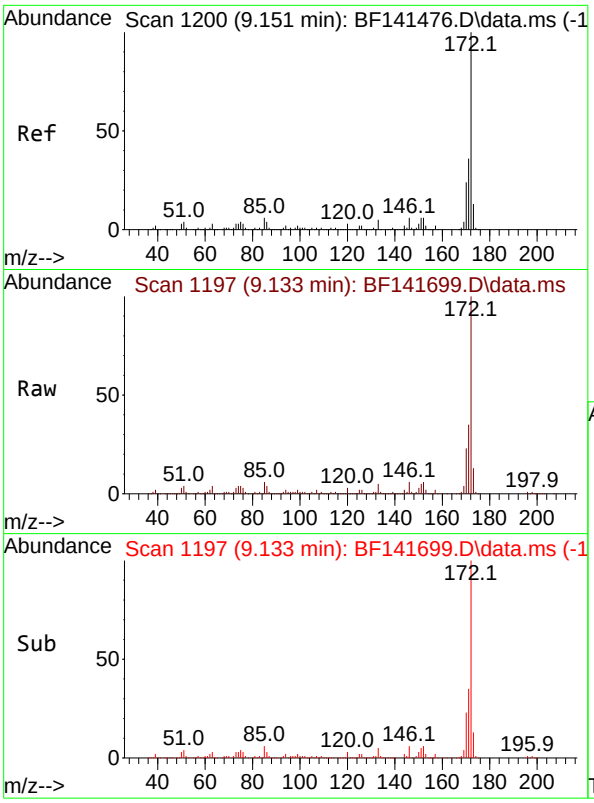


#44
2,4,5-Trichlorophenol
Concen: 43.341 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:196 Resp: 152557

Ion	Ratio	Lower	Upper
196	100		
198	102.4	79.8	119.8
97	53.6	44.8	67.2
132	29.5	23.9	35.9

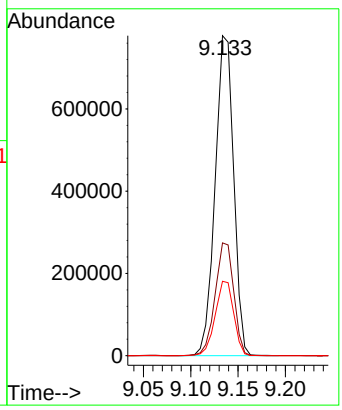




#45
2-Fluorobiphenyl
Concen: 94.088 ng
RT: 9.133 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:172 Resp: 106075

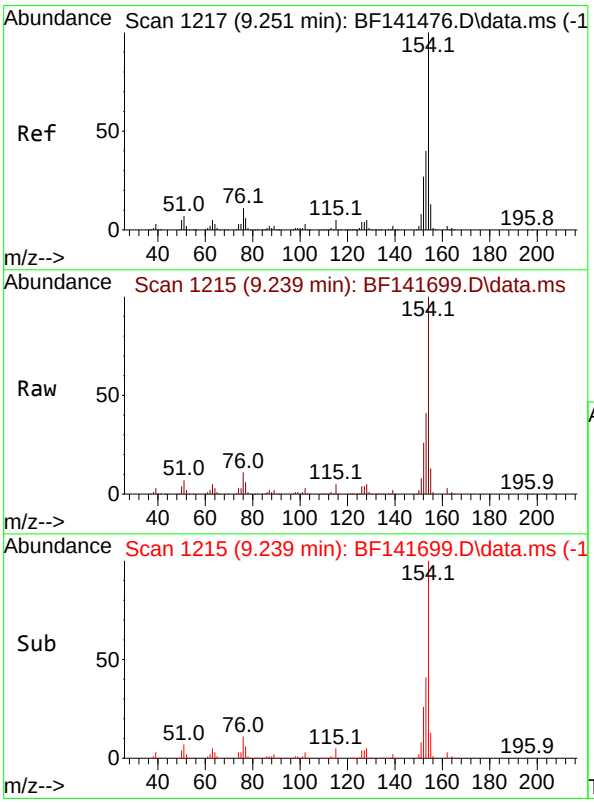
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.3	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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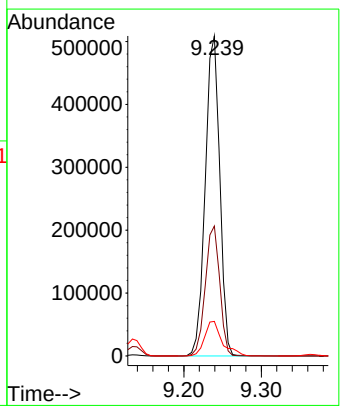
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

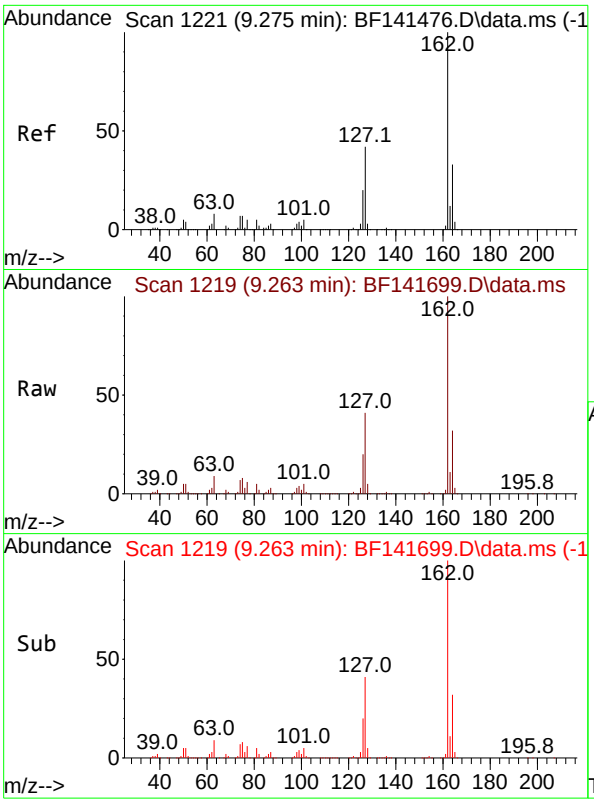


#46
1,1'-Biphenyl
Concen: 49.026 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:154 Resp: 660188

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	10.8	0.0	30.8

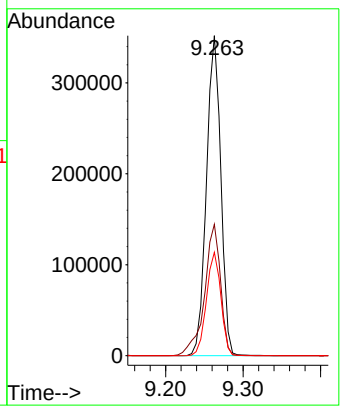




#47
2-Chloronaphthalene
Concen: 45.450 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:162 Resp: 45257

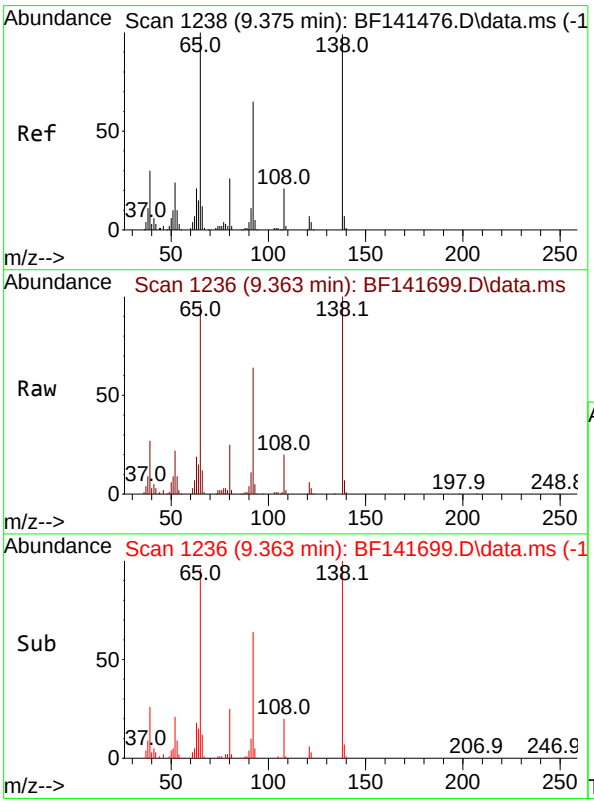
Ion	Ratio	Lower	Upper
162	100		
127	41.1	34.1	51.1
164	32.3	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

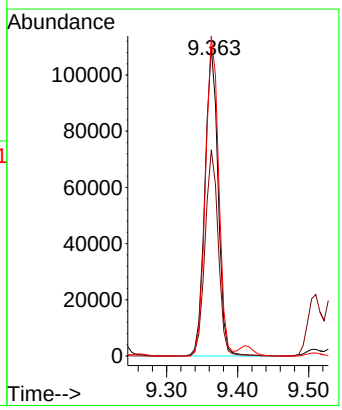
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

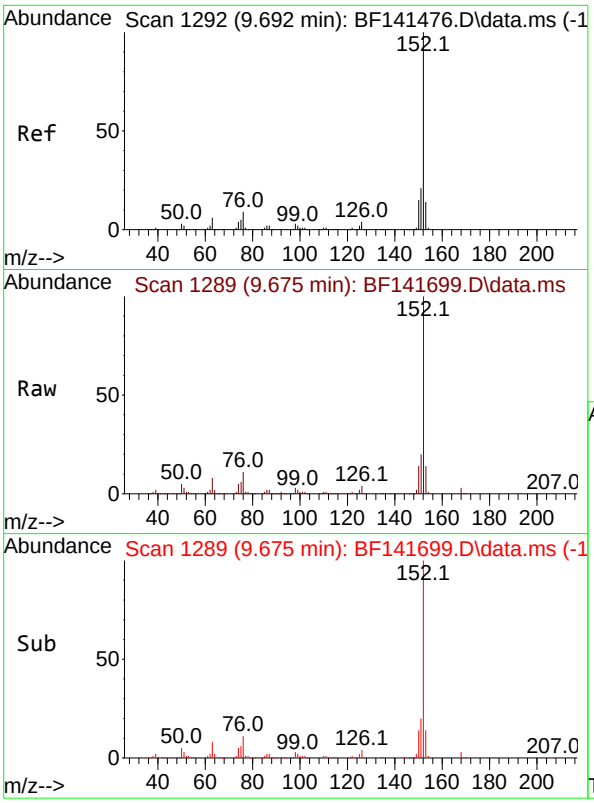


#48
2-Nitroaniline
Concen: 42.546 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 65 Resp: 142181

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.2	78.2
138	103.7	79.5	119.3

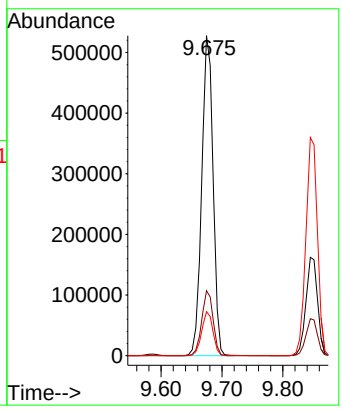




#49
Acenaphthylene
Concen: 46.115 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:152 Resp: 68300

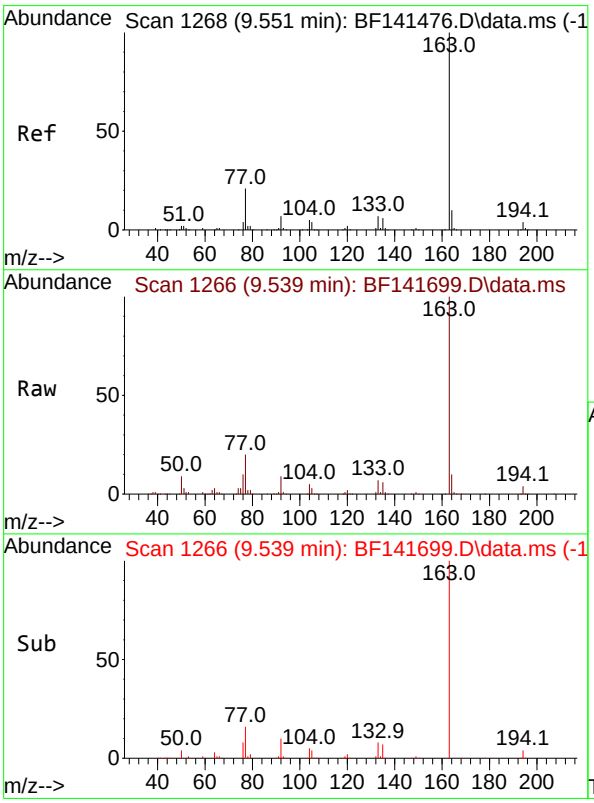
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.8	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

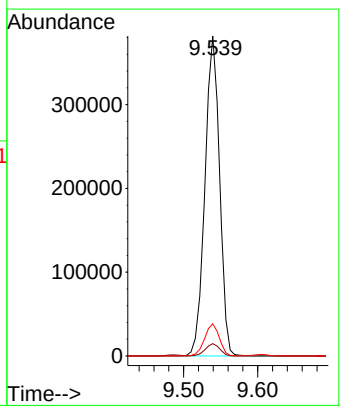
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

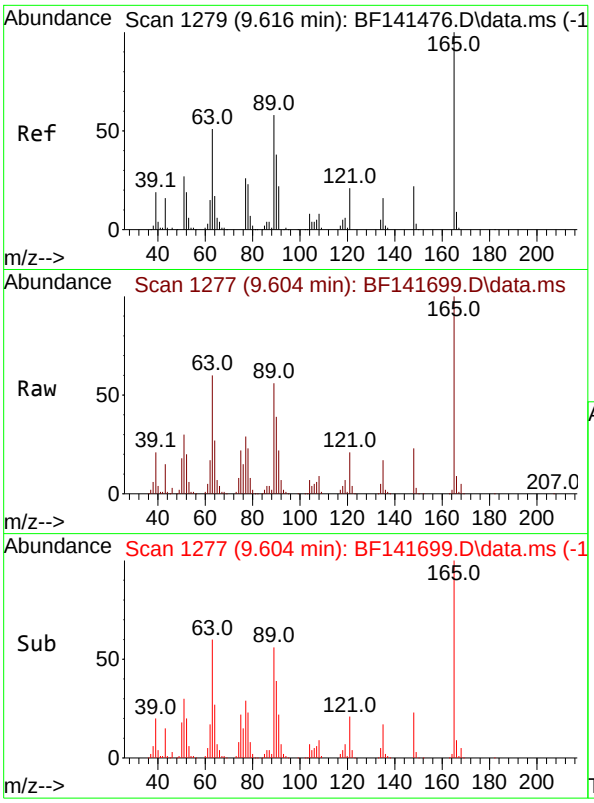


#50
Dimethylphthalate
Concen: 44.521 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:163 Resp: 524971

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: 44.666 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

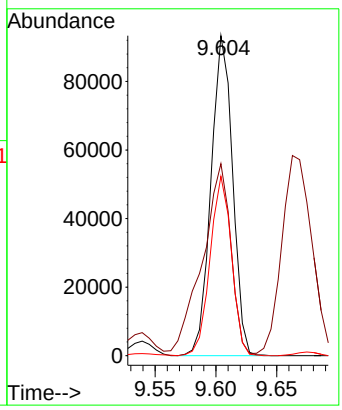
Tgt Ion:165 Resp: 11513

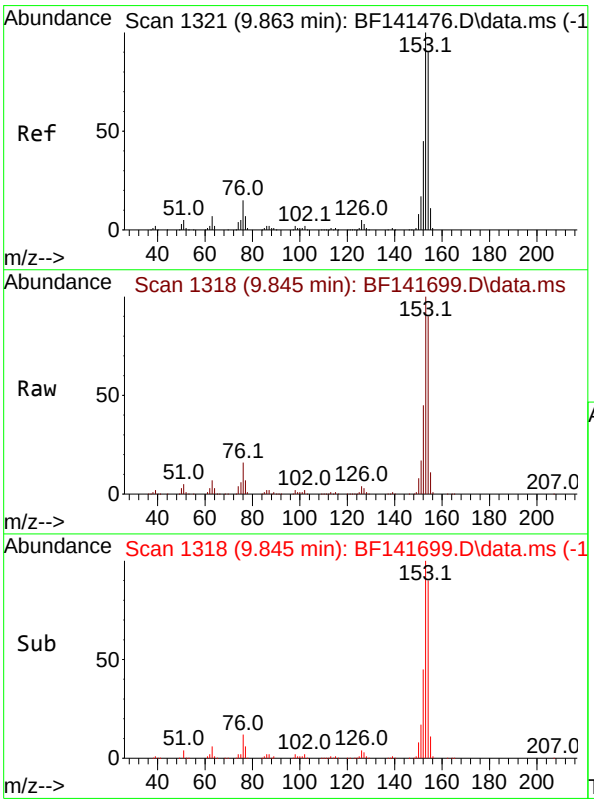
Ion	Ratio	Lower	Upper
165	100		
63	60.0	49.4	74.0
89	56.0	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

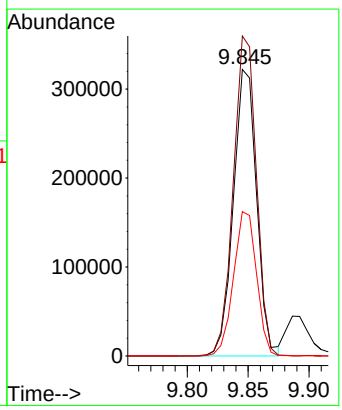


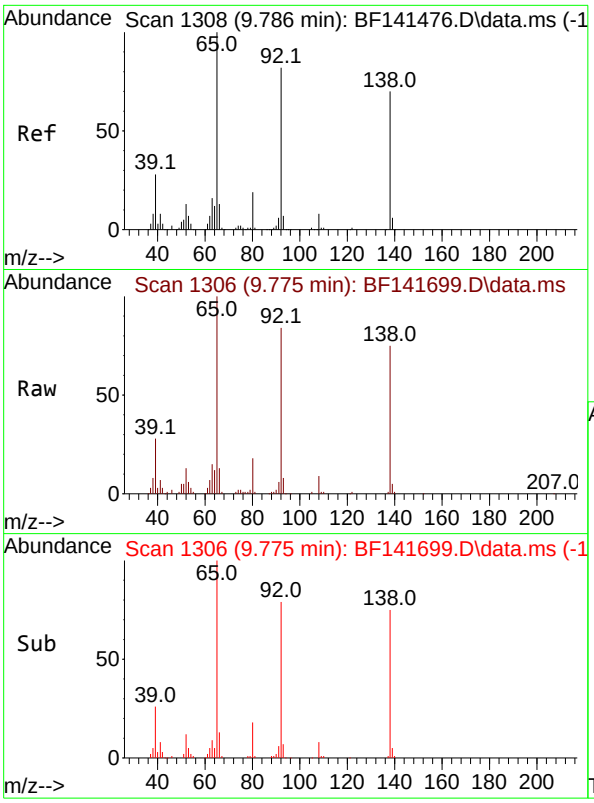


#52
Acenaphthene
Concen: 43.100 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:154 Resp: 429158

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.2	133.8
152	50.4	39.8	59.8

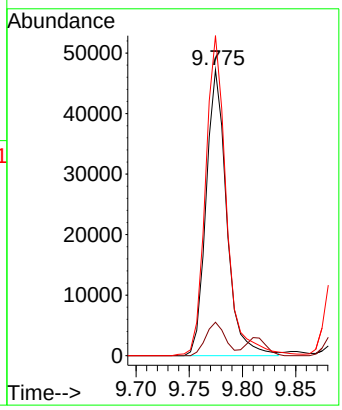




#53
3-Nitroaniline
Concen: 22.915 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:138 Resp: 6357

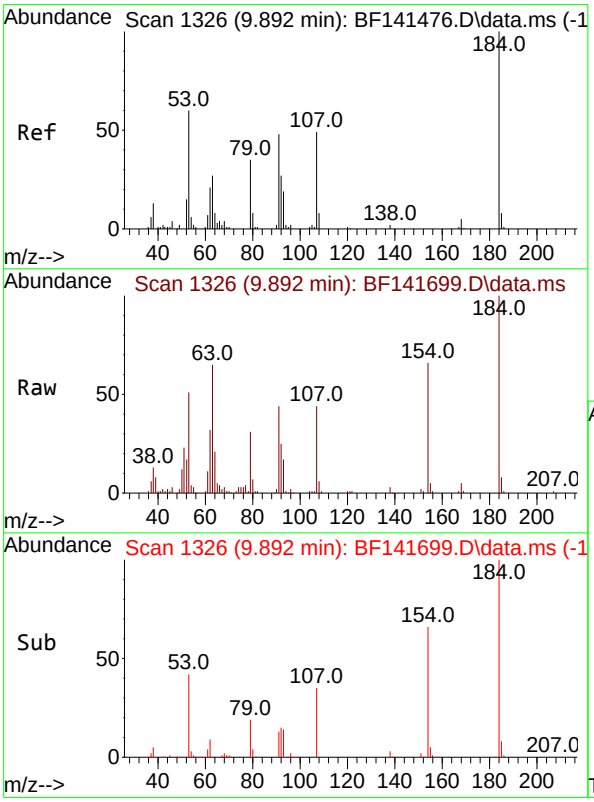
Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.0	13.4
92	112.0	93.7	140.5



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

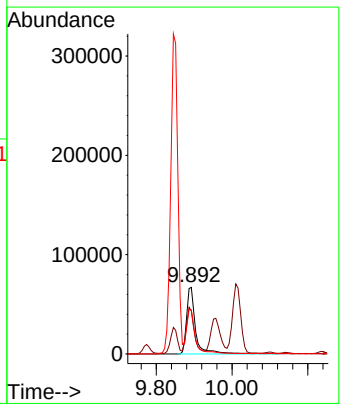
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

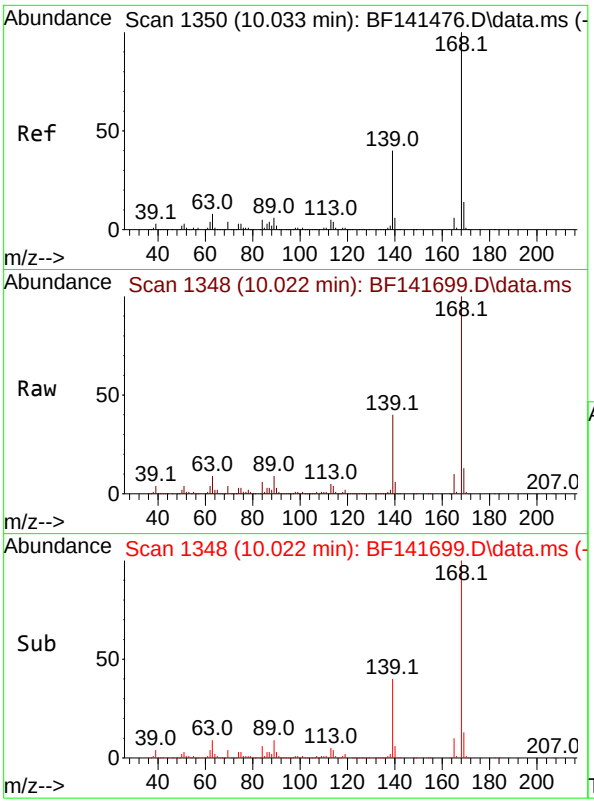


#54
2,4-Dinitrophenol
Concen: 73.018 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:184 Resp: 111864

Ion	Ratio	Lower	Upper
184	100		
63	64.6	61.0	91.6
154	66.3	59.9	89.9

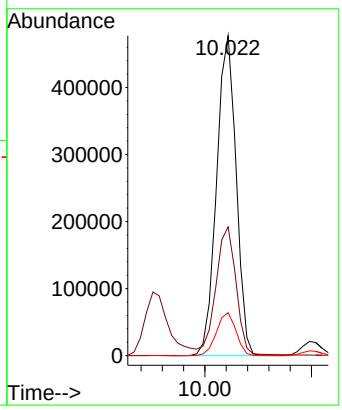




#55
Dibenzofuran
Concen: 41.588 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:168 Resp: 60783

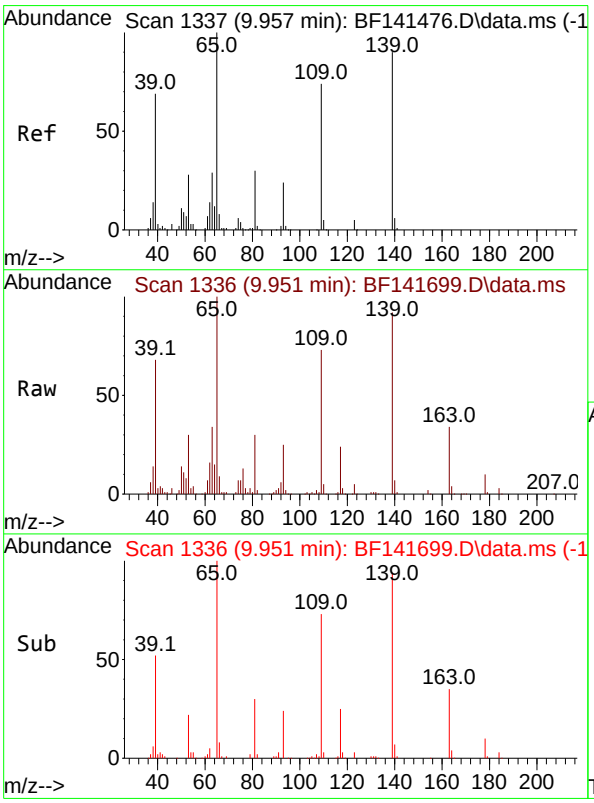
Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

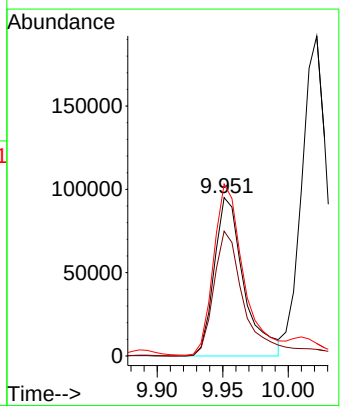
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

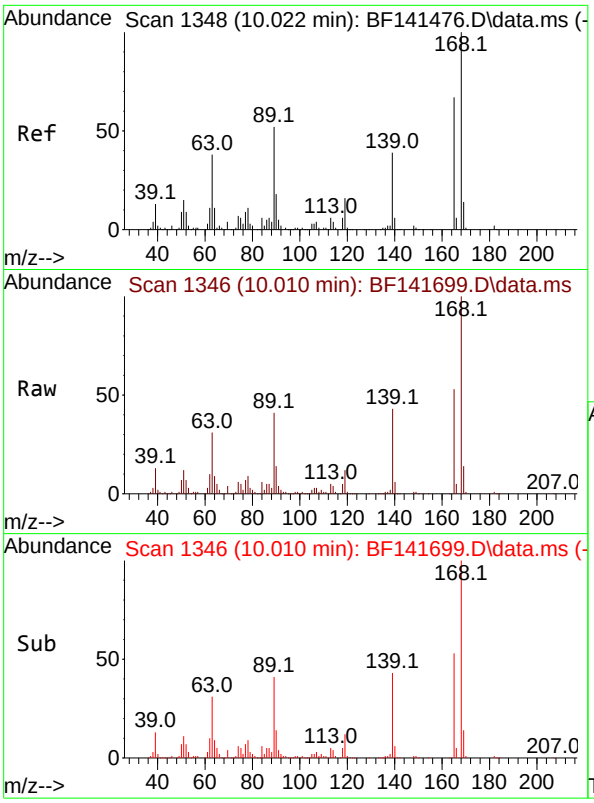


#56
4-Nitrophenol
Concen: 72.322 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:139 Resp: 148950

Ion	Ratio	Lower	Upper
139	100		
109	78.8	62.0	102.0
65	108.6	91.2	131.2

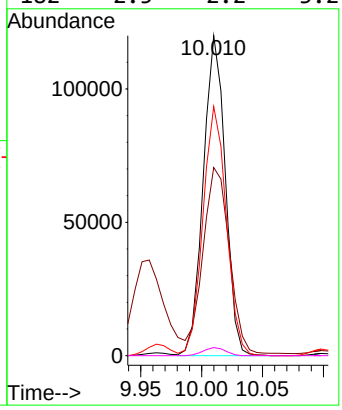




#57
2,4-Dinitrotoluene
Concen: 43.821 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:165 Resp: 15037

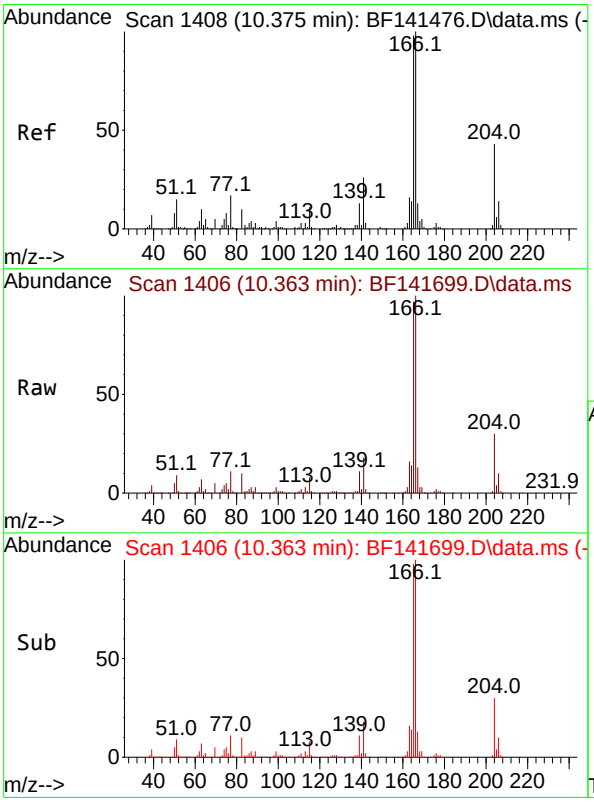
Ion	Ratio	Lower	Upper
165	100		
63	58.8	46.4	69.6
89	77.8	61.8	92.6
182	2.5	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

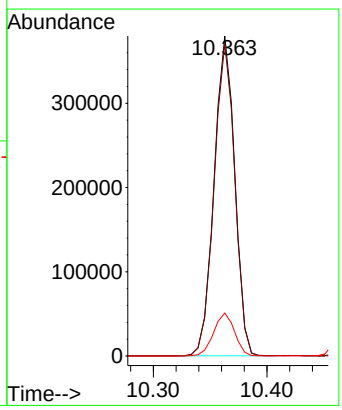
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

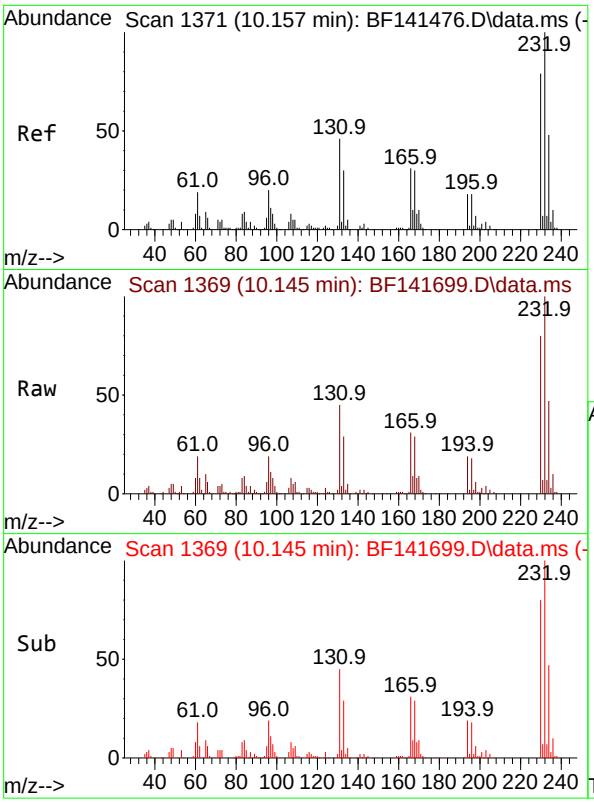


#58
Fluorene
Concen: 42.464 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:166 Resp: 479871

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.4	10.7	16.1

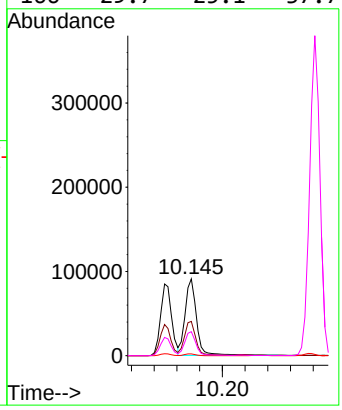




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.961 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:232 Resp: 12716

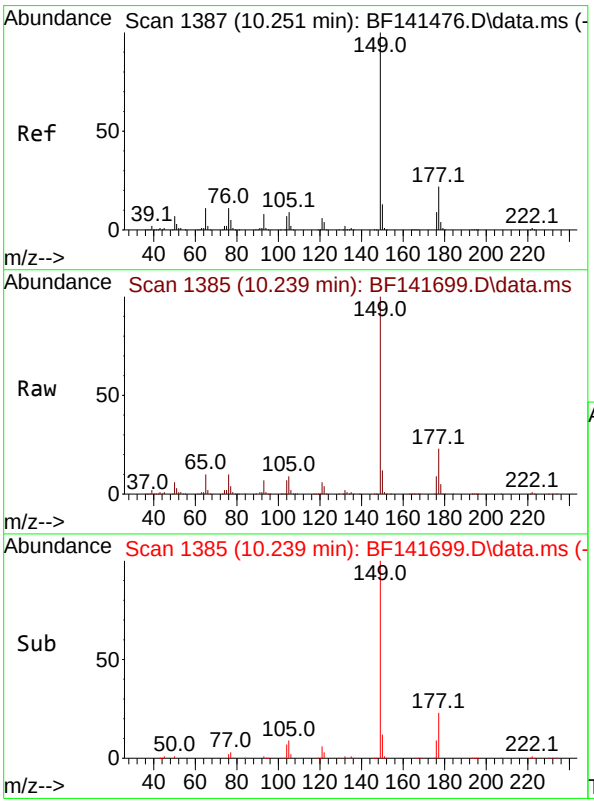
Ion	Ratio	Lower	Upper
232	100		
131	44.7	39.2	58.8
130	2.3	2.1	3.1
166	29.7	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

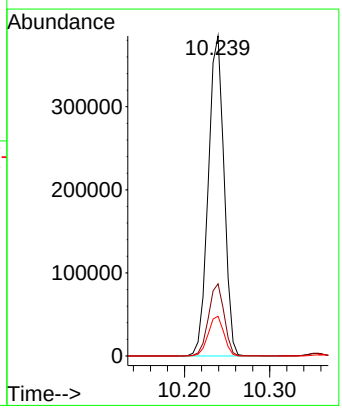
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

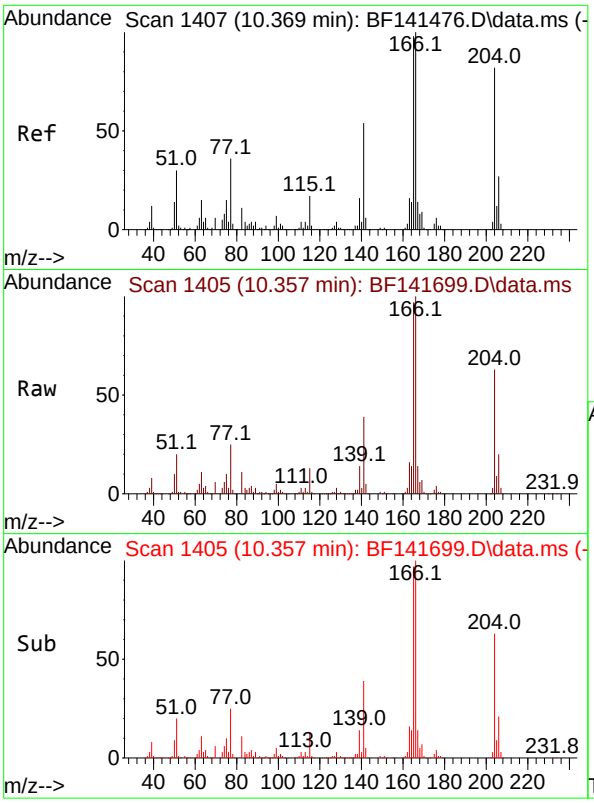


#60
Diethylphthalate
Concen: 42.581 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 494002

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.877 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

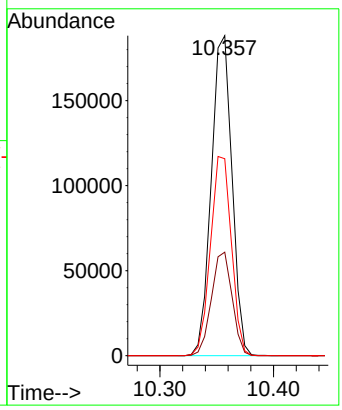
Tgt Ion:204 Resp: 23854

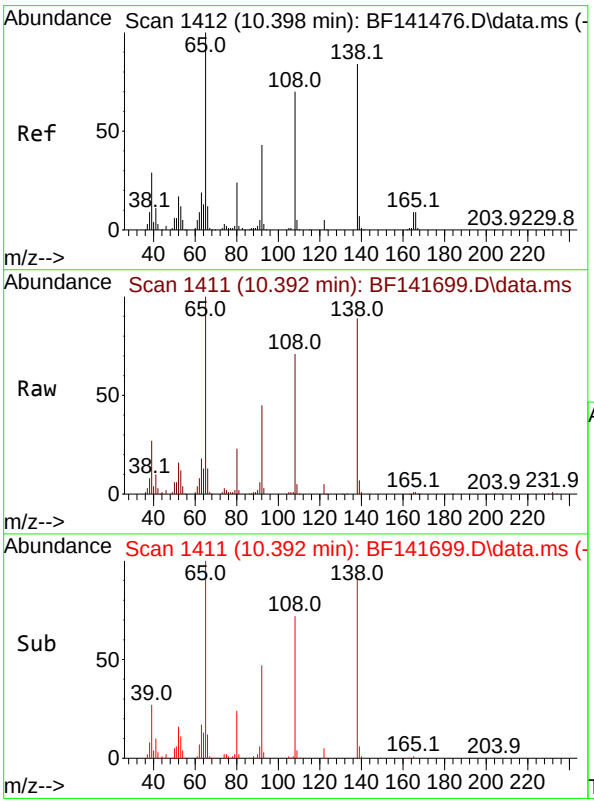
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	61.5	51.9	77.9

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

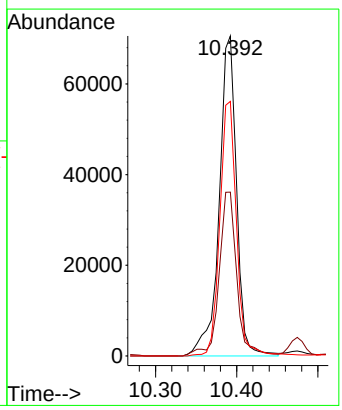


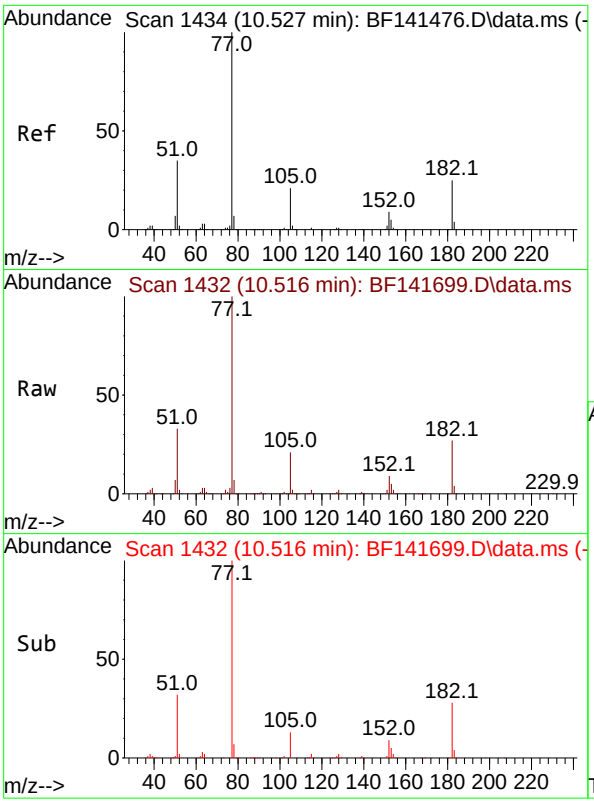


#62
4-Nitroaniline
Concen: 37.360 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:138 Resp: 105249

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.3	71.3
108	79.5	63.7	103.7

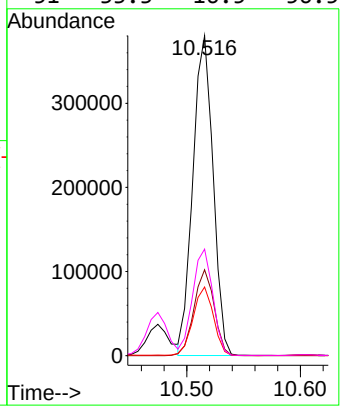




#63
Azobenzene
Concen: 40.757 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 77 Resp: 47006

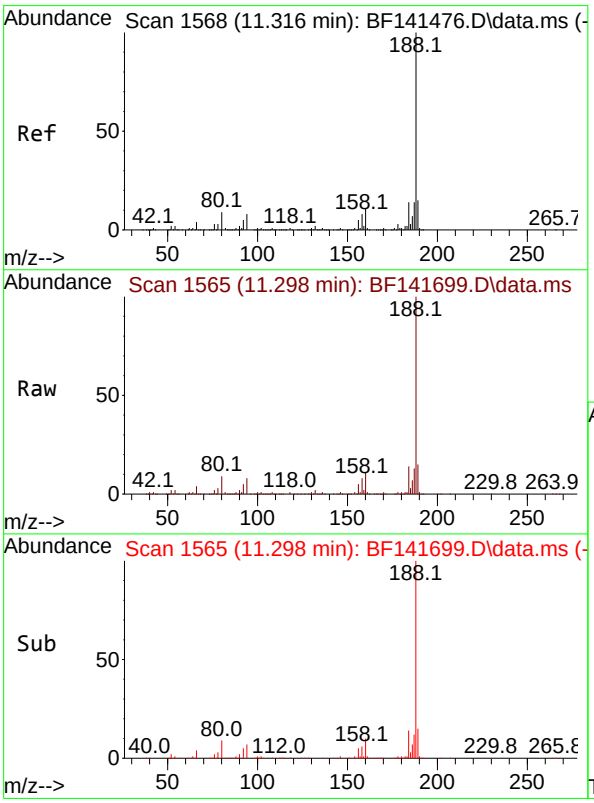
Ion	Ratio	Lower	Upper
77	100		
182	26.9	4.7	44.7
105	21.4	0.4	40.4
51	33.3	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
PB166776BS

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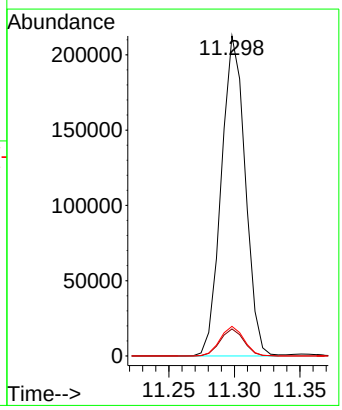
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

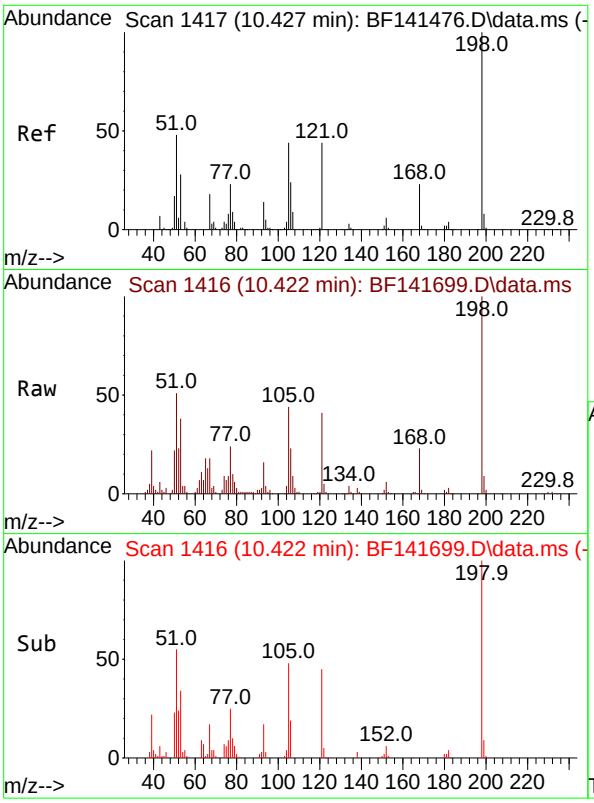


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:188 Resp: 269657

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.2	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.159 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

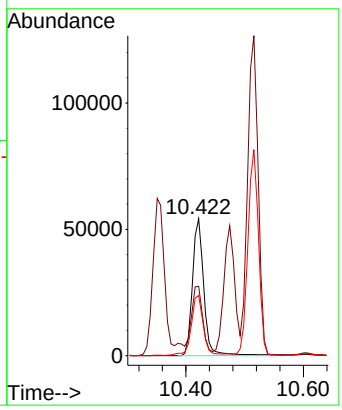
Tgt Ion:198 Resp: 7335

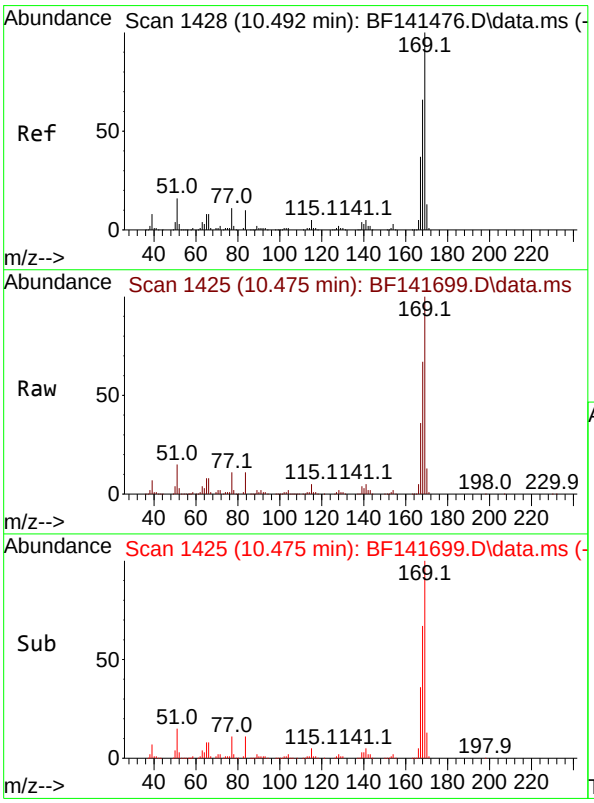
Ion	Ratio	Lower	Upper
198	100		
51	50.7	37.4	77.4
105	44.0	25.2	65.2

Instrument :
BNA_F
ClientSampleId :
PB166776BS

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

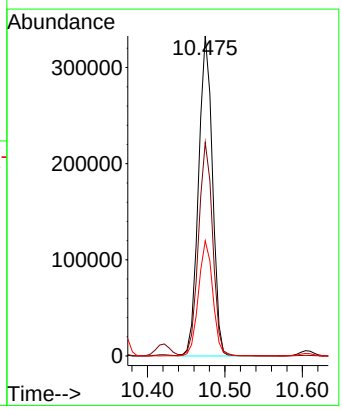


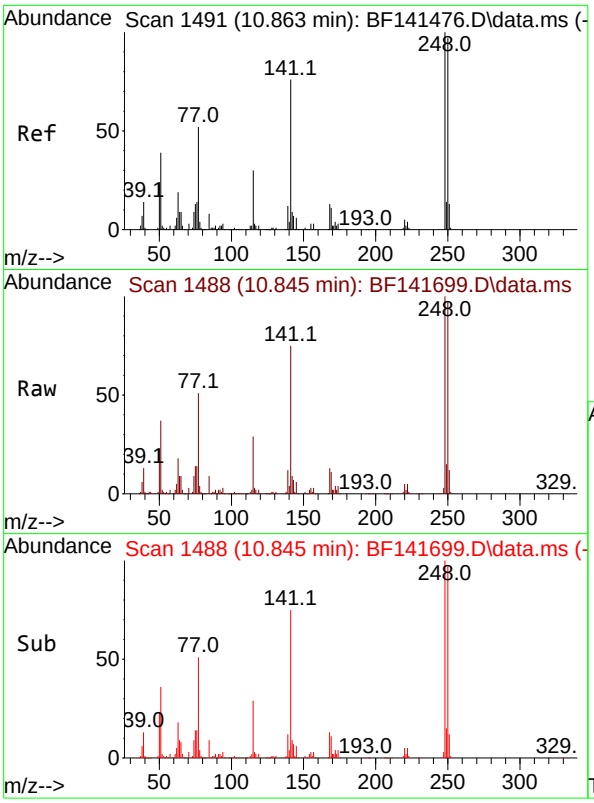


#66
n-Nitrosodiphenylamine
Concen: 48.223 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:169 Resp: 416264

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.3	79.9
167	36.0	29.4	44.2





#67
4-Bromophenyl-phenylether
Concen: 47.833 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

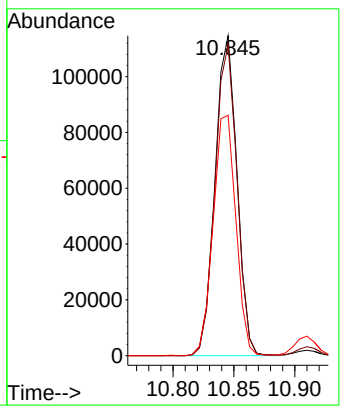
Tgt Ion:248 Resp: 14415

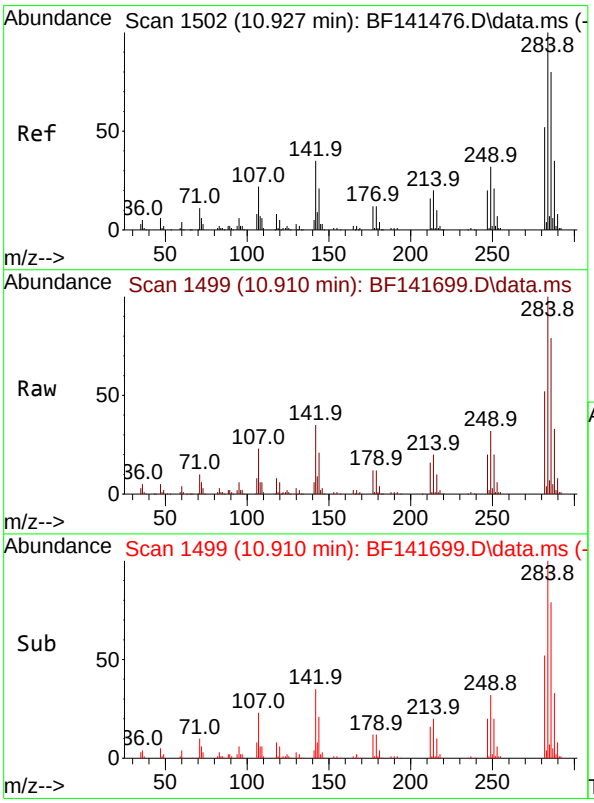
Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.6
141	75.1	60.6	90.8

Instrument :
BNA_F
ClientSampleId :
PB166776BS

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

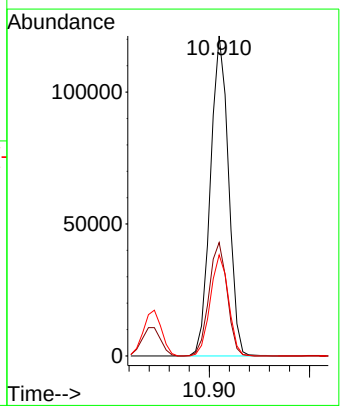


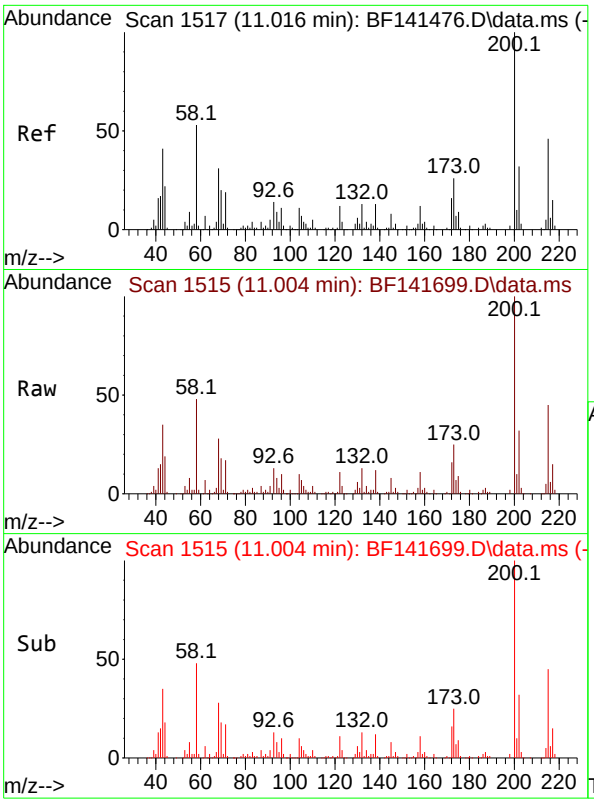


#68
Hexachlorobenzene
Concen: 48.894 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:284 Resp: 151735

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.0	42.0
249	31.6	25.8	38.8

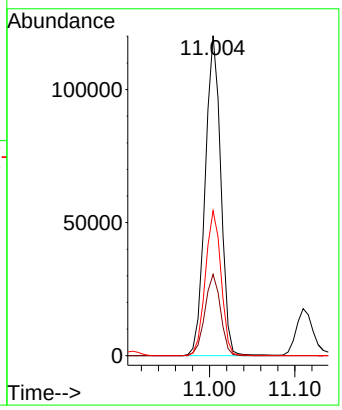




#69
Atrazine
Concen: 59.012 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:200 Resp: 15281

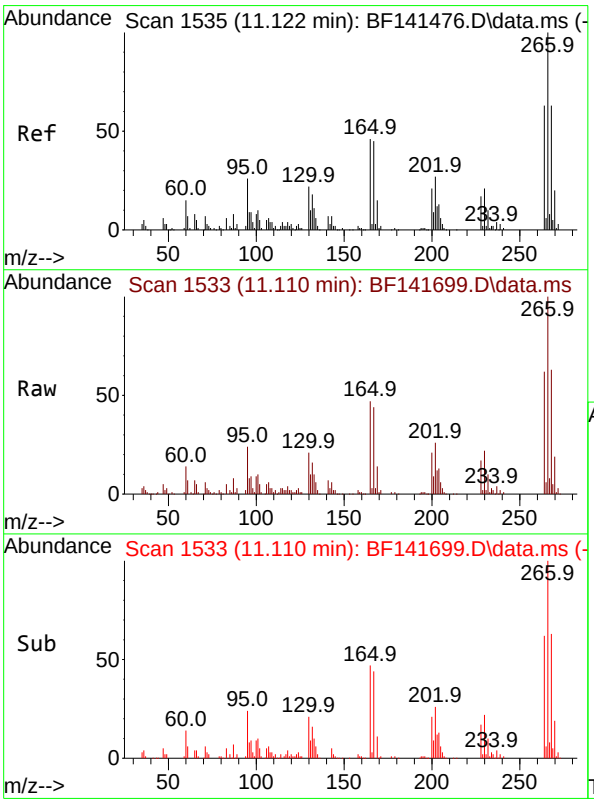
Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.9	45.9
215	45.3	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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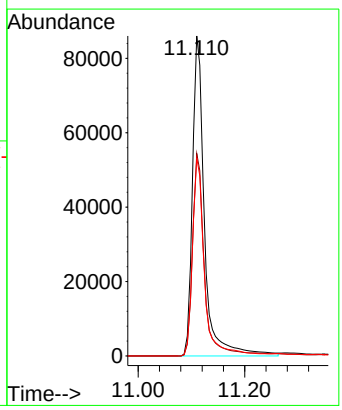
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

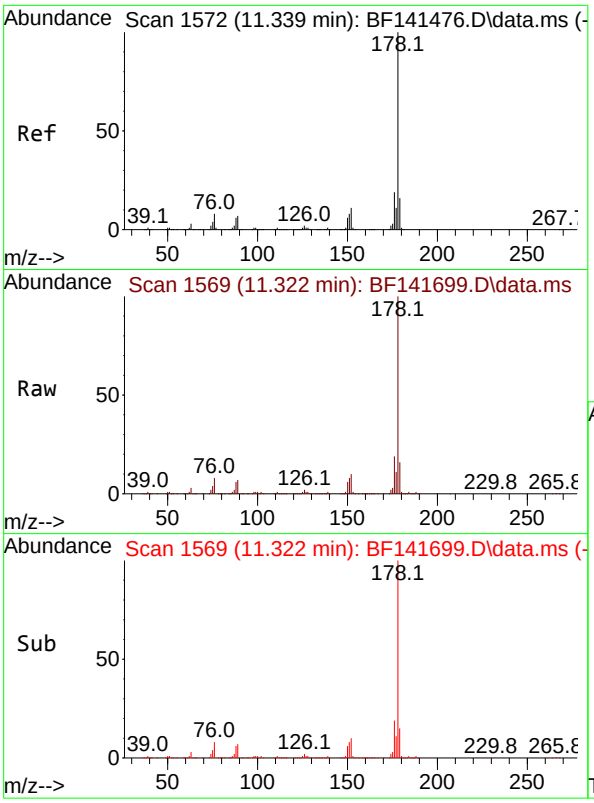


#70
Pentachlorophenol
Concen: 68.120 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:266 Resp: 135174

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.1	75.1
264	61.9	50.1	75.1

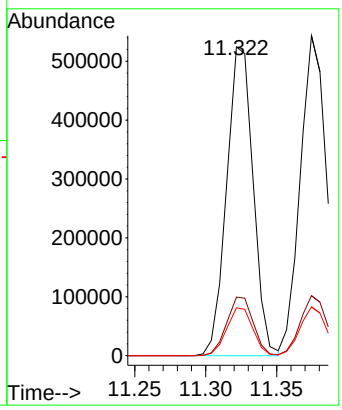




#71
Phenanthrene
Concen: 45.995 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:178 Resp: 68272

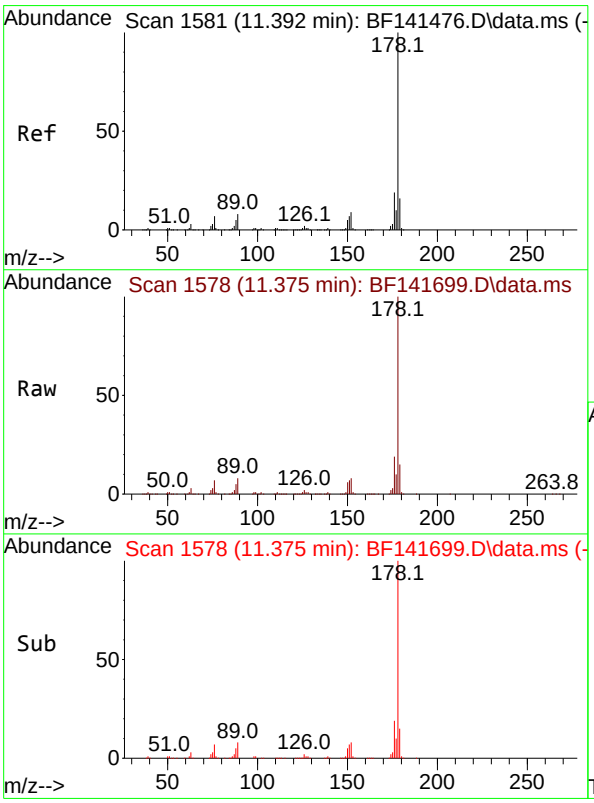
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.5	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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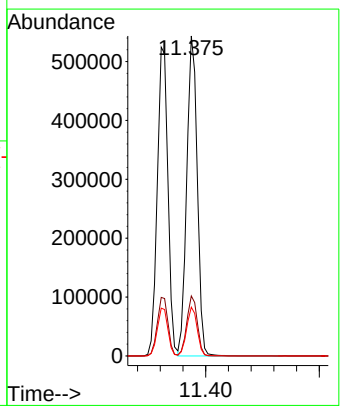
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

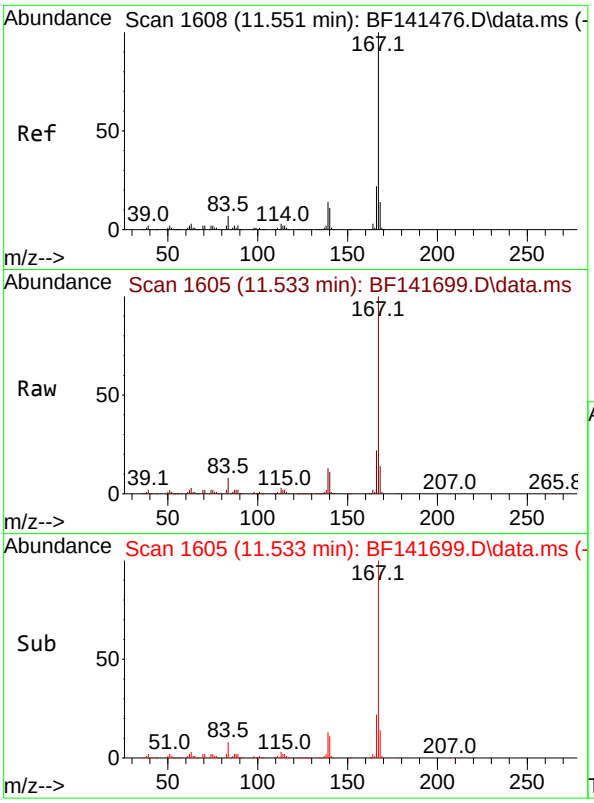


#72
Anthracene
Concen: 46.767 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:178 Resp: 697815

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.3	12.4	18.6





#73
Carbazole
Concen: 42.782 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

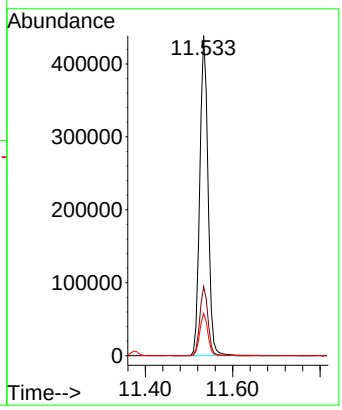
Tgt Ion:167 Resp: 57439

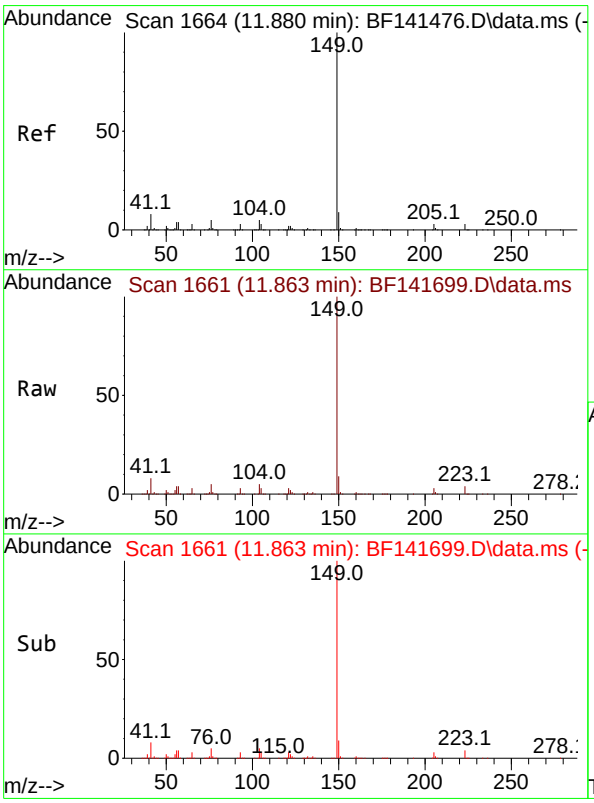
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.2	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

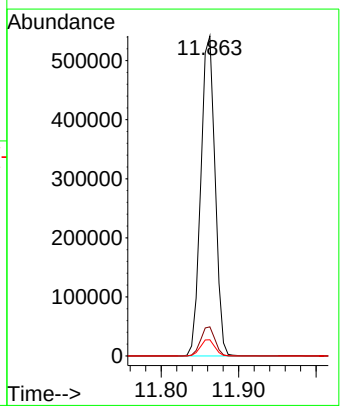


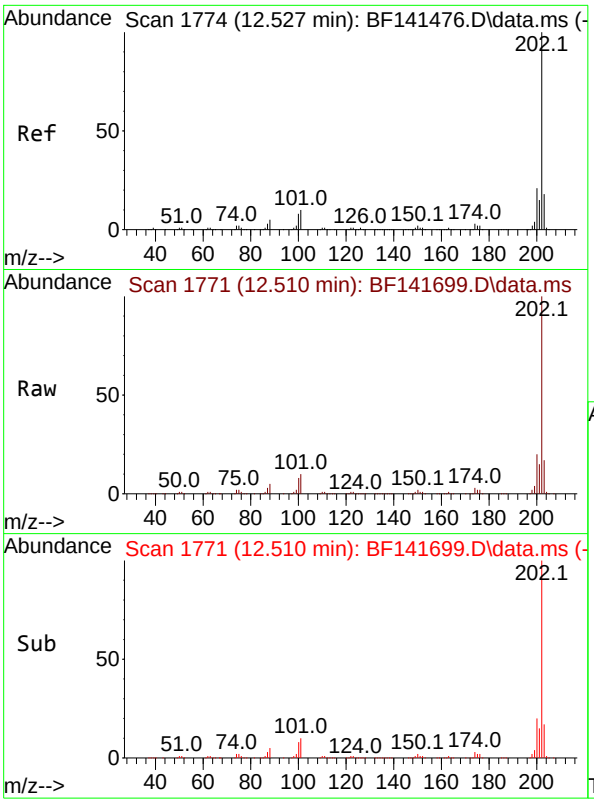


#74
Di-n-butylphthalate
Concen: 44.704 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 693026

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2





#75
Fluoranthene
Concen: 41.300 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

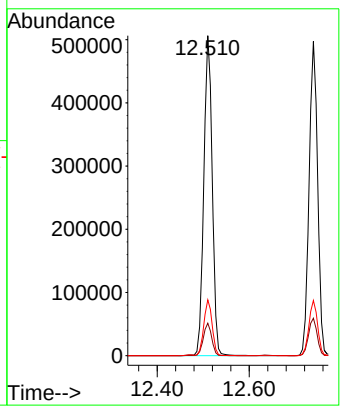
Tgt Ion:202 Resp: 64992

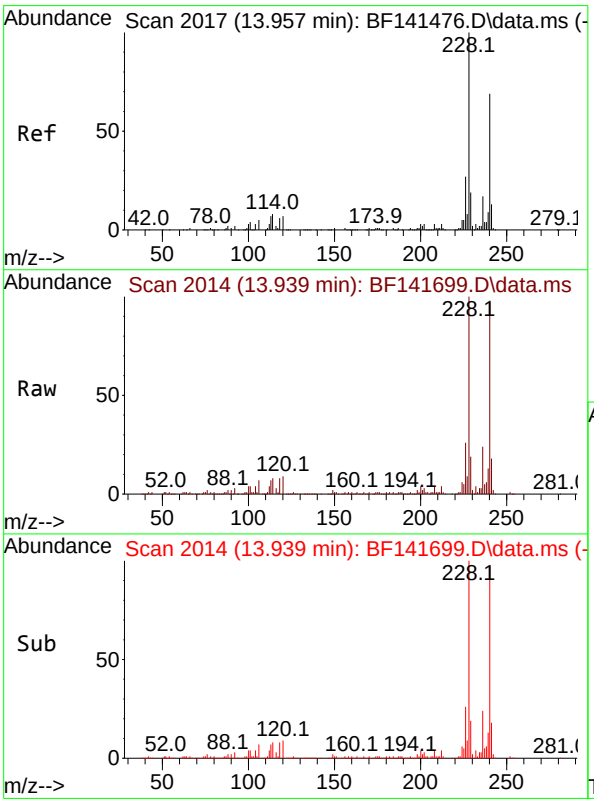
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.4	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
PB166776BS

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Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

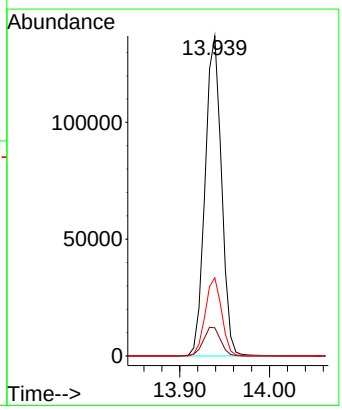


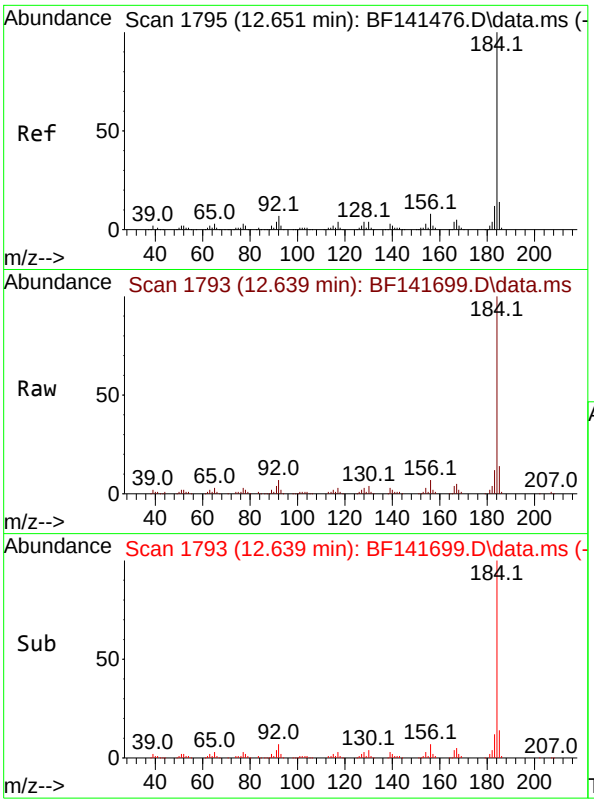


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:240 Resp: 173634

Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.0	12.0
236	24.4	19.8	29.8

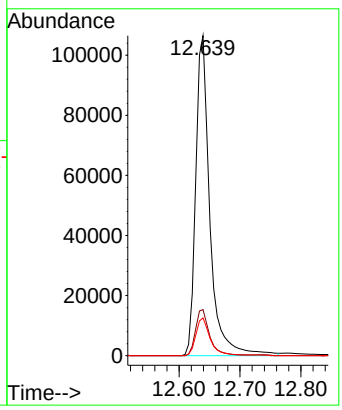




#77
Benzidine
Concen: 45.047 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:184 Resp: 17250

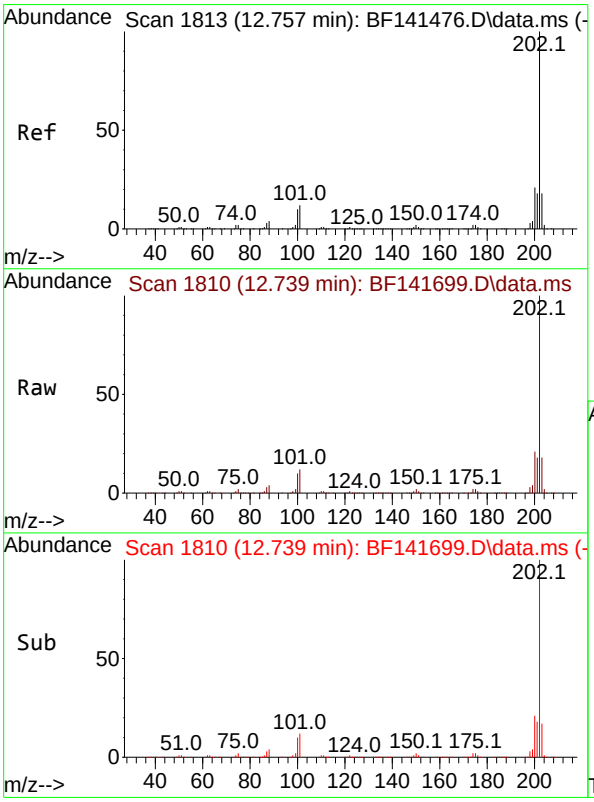
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	11.8	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
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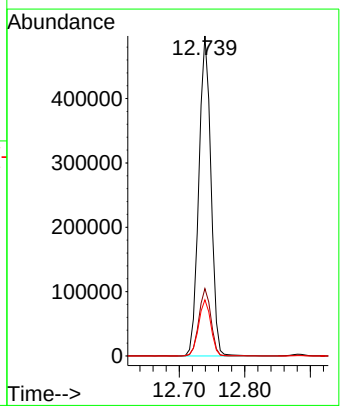
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

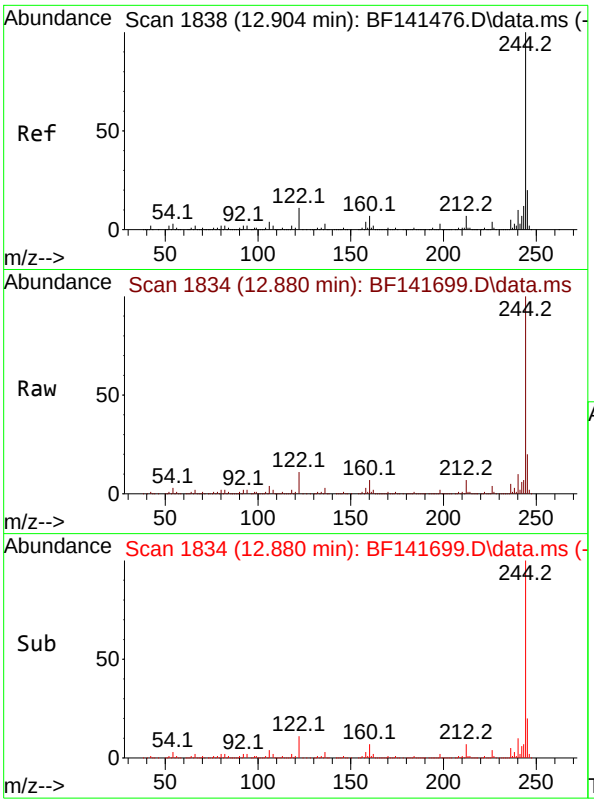


#78
Pyrene
Concen: 43.280 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:202 Resp: 639725

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.3	21.5

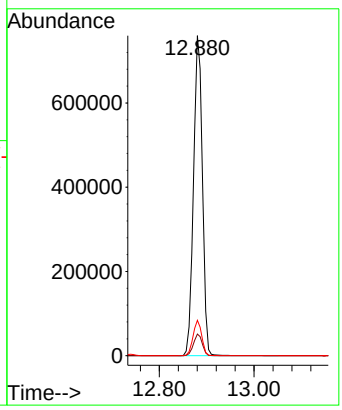




#79
Terphenyl-d14
Concen: 96.125 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:244 Resp: 98867

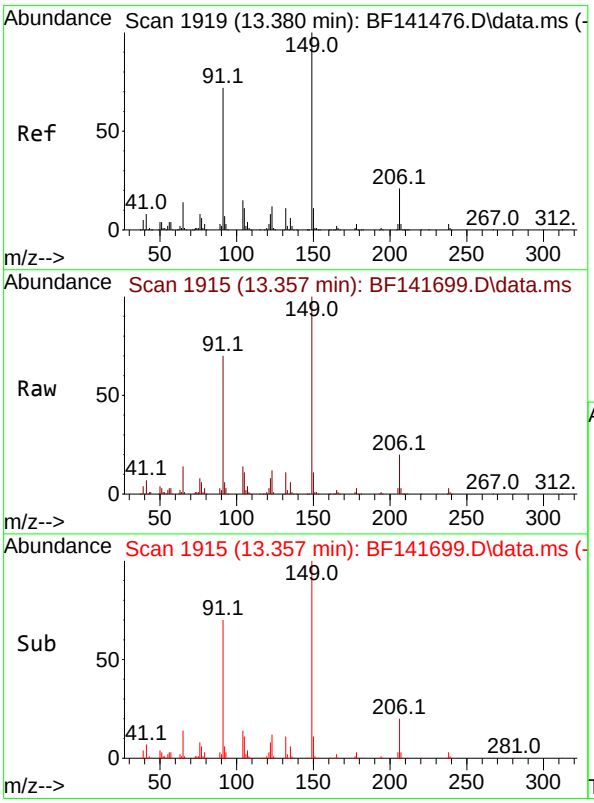
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

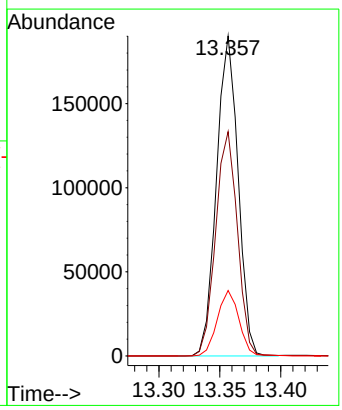
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

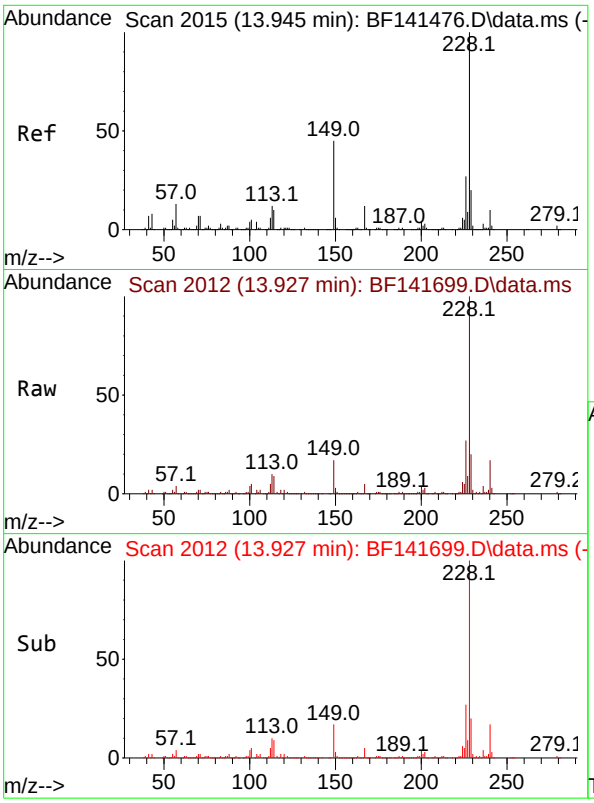


#80
Butylbenzylphthalate
Concen: 45.861 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 234796

Ion	Ratio	Lower	Upper
149	100		
91	70.1	57.8	86.8
206	20.4	16.7	25.1

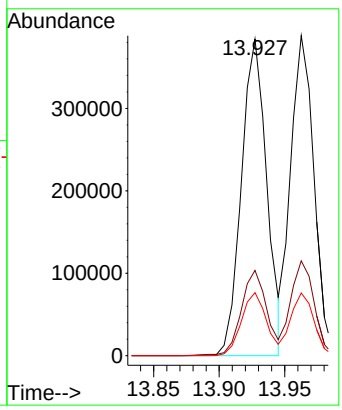




#81
Benzo(a)anthracene
Concen: 44.789 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:228 Resp: 51695

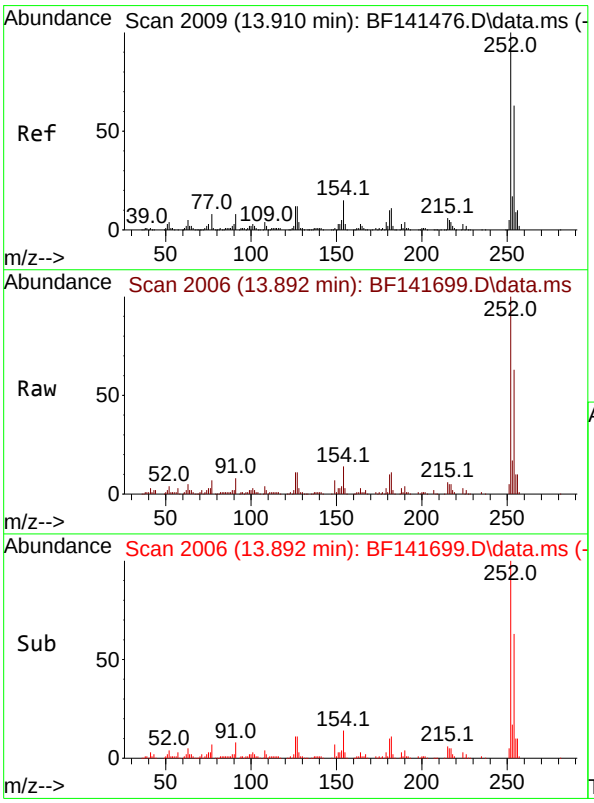
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

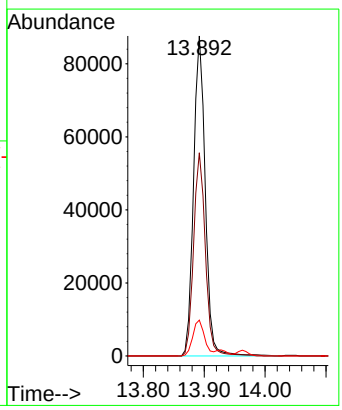
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

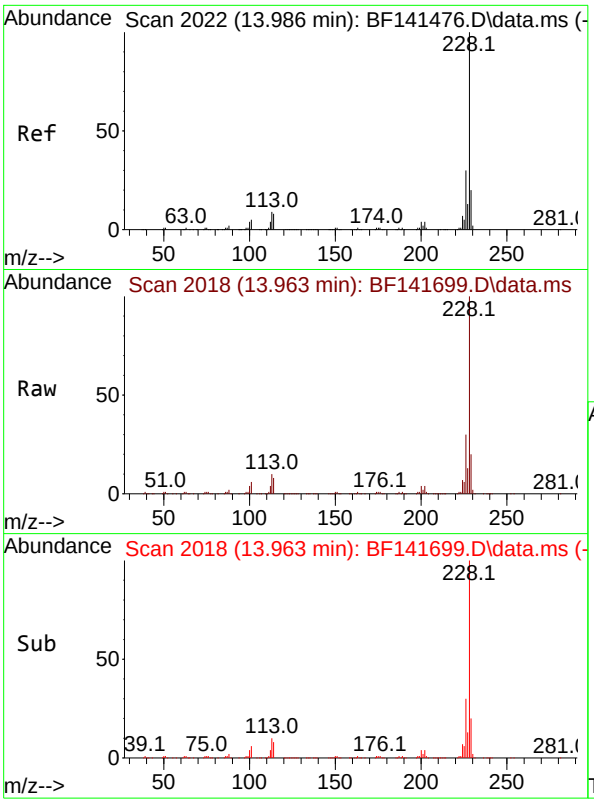


#82
3,3'-Dichlorobenzidine
Concen: 35.357 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 116901

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.6	76.0
126	11.2	9.3	13.9

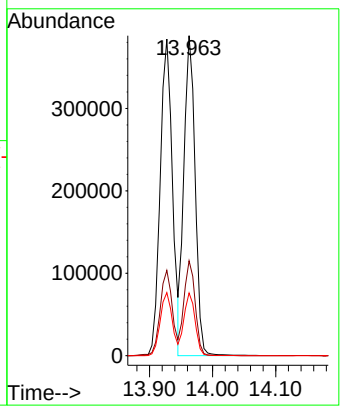




#83
Chrysene
Concen: 45.226 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:228 Resp: 48198

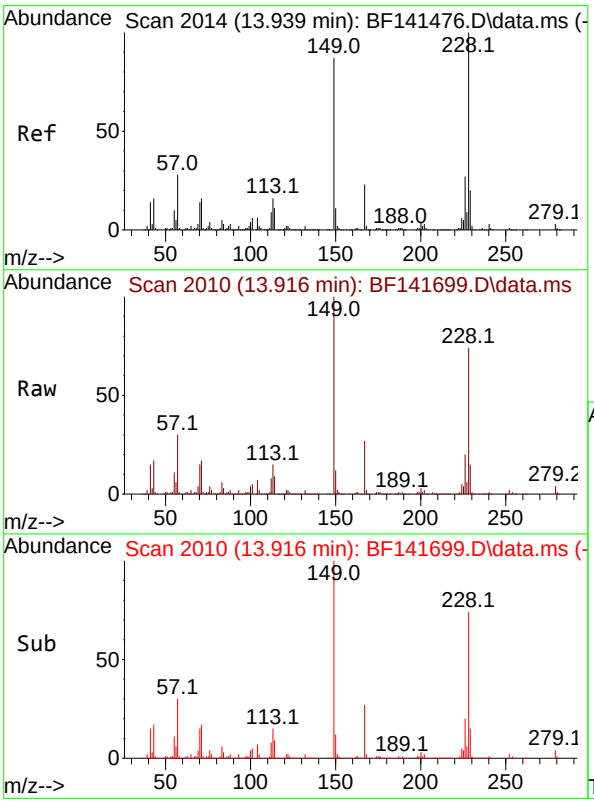
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

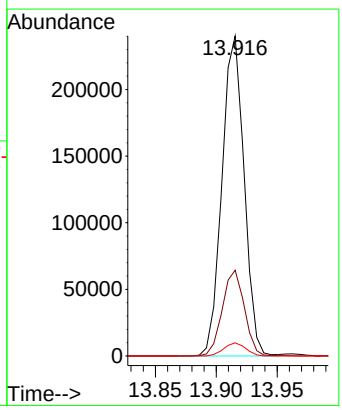
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

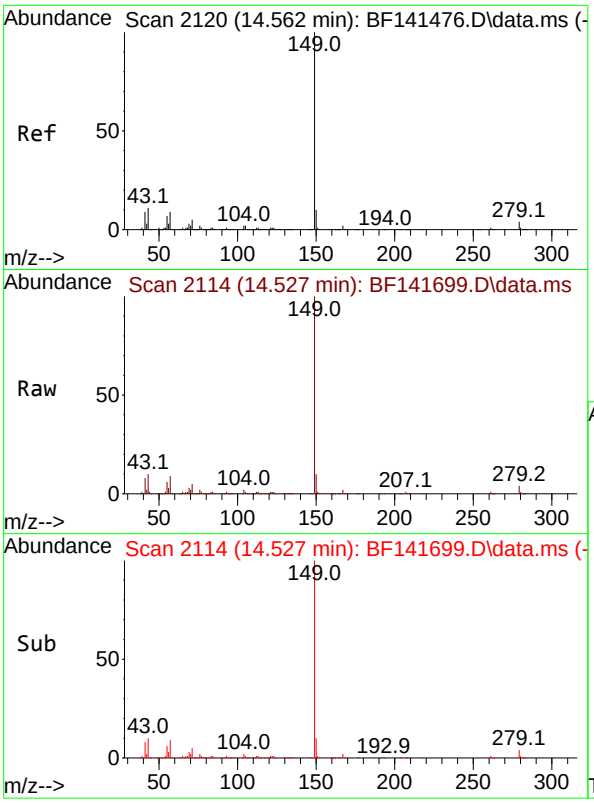


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.646 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 303987

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	4.1	3.1	4.7

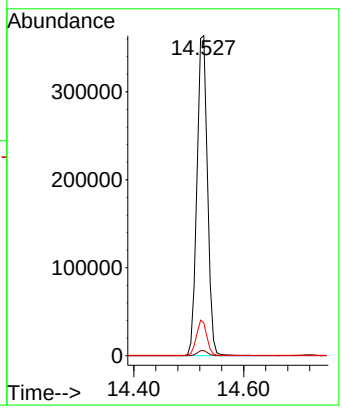




#85
Di-n-octyl phthalate
Concen: 58.851 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 48477

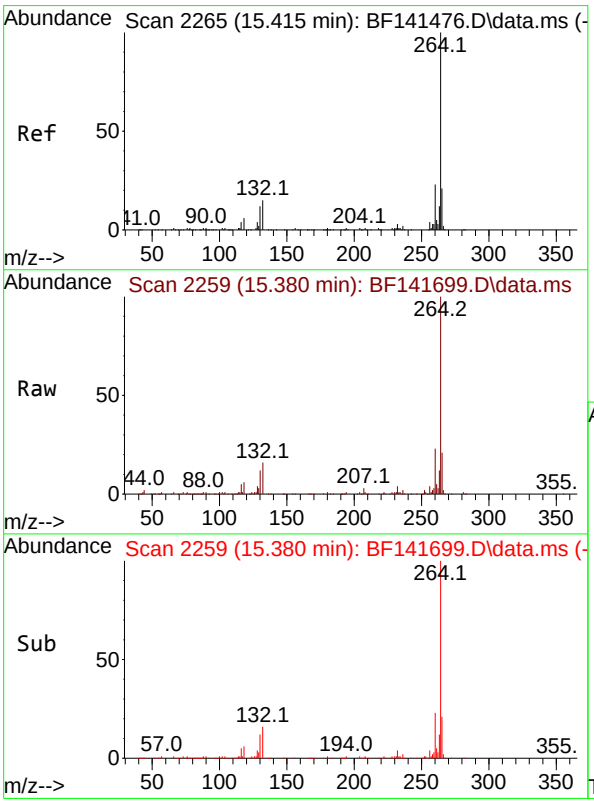
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.8	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

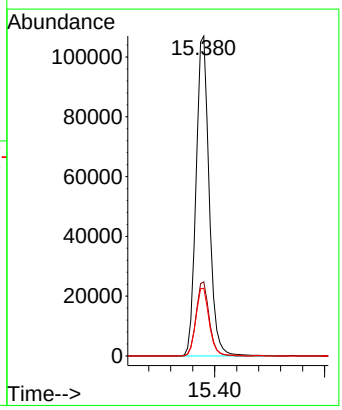
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

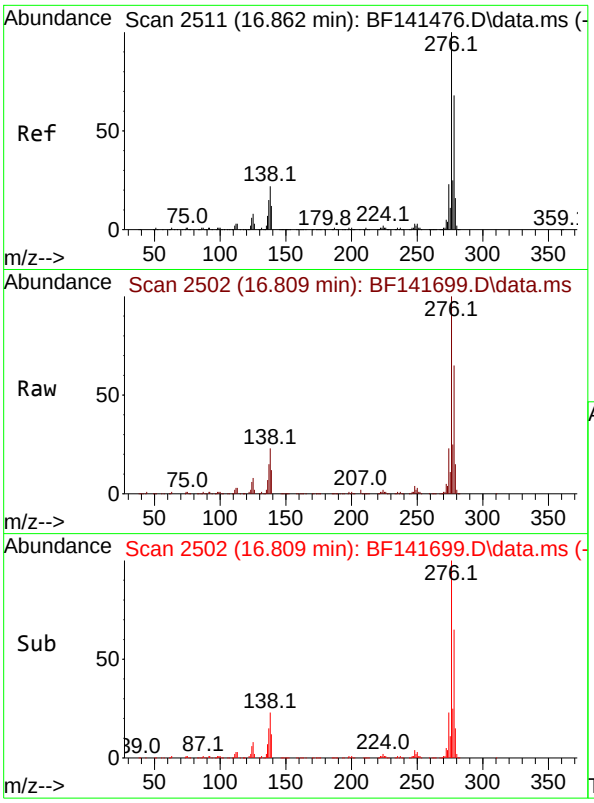


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:264 Resp: 176994

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.1	17.0	25.4

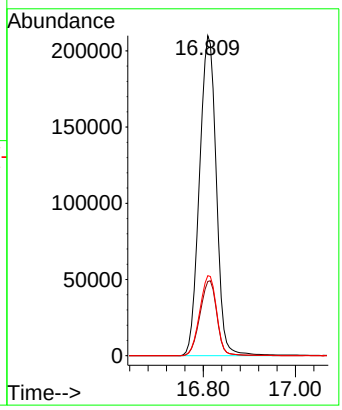




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.864 ng
RT: 16.809 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:276 Resp: 53439

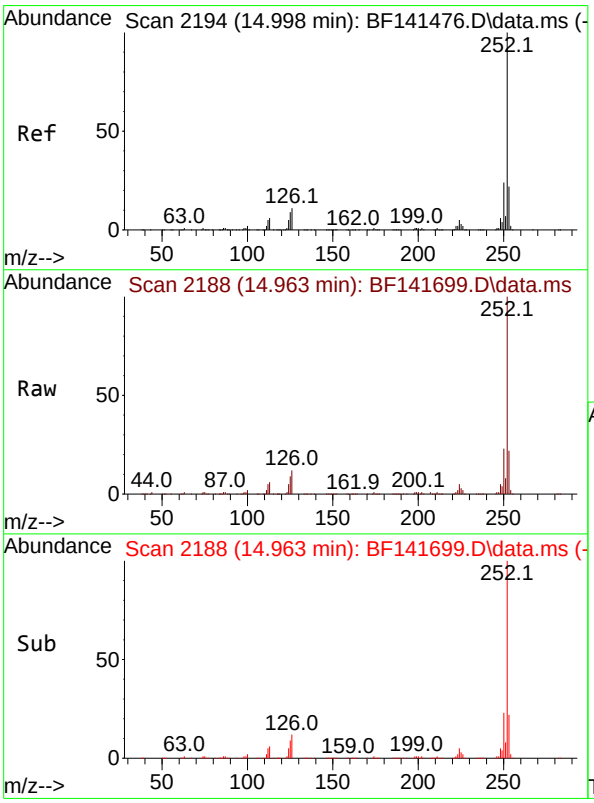
Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.1	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

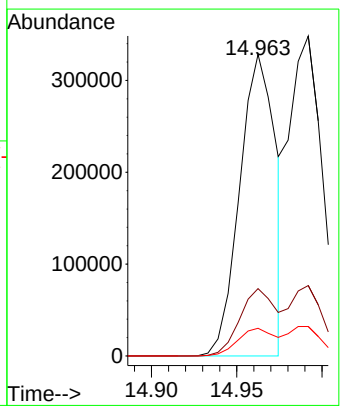
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

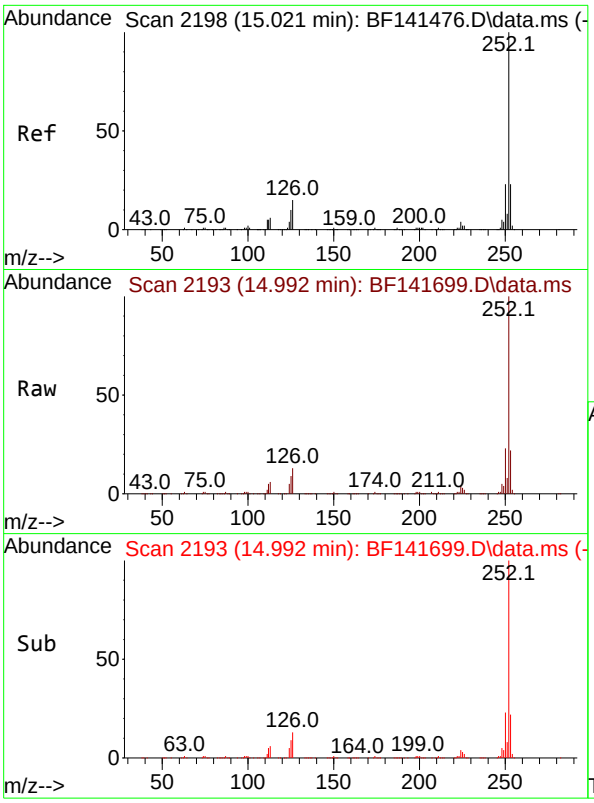


#88
Benzo(b)fluoranthene
Concen: 40.434 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 480528

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.2	7.0	10.6

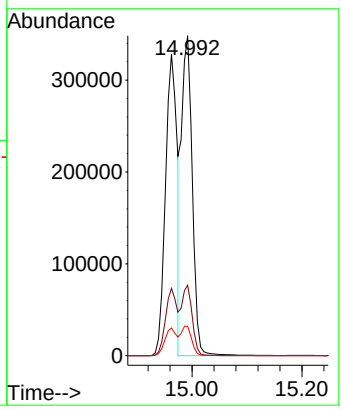




#89
Benzo(k)fluoranthene
Concen: 46.881 ng
RT: 14.992 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 47575

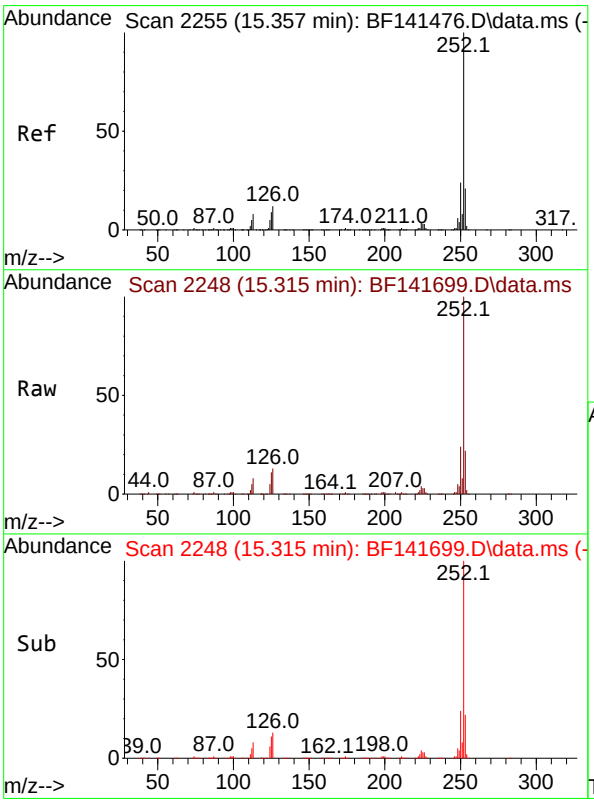
Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	9.2	7.4	11.0



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

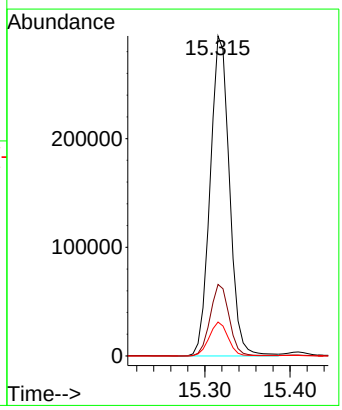
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025

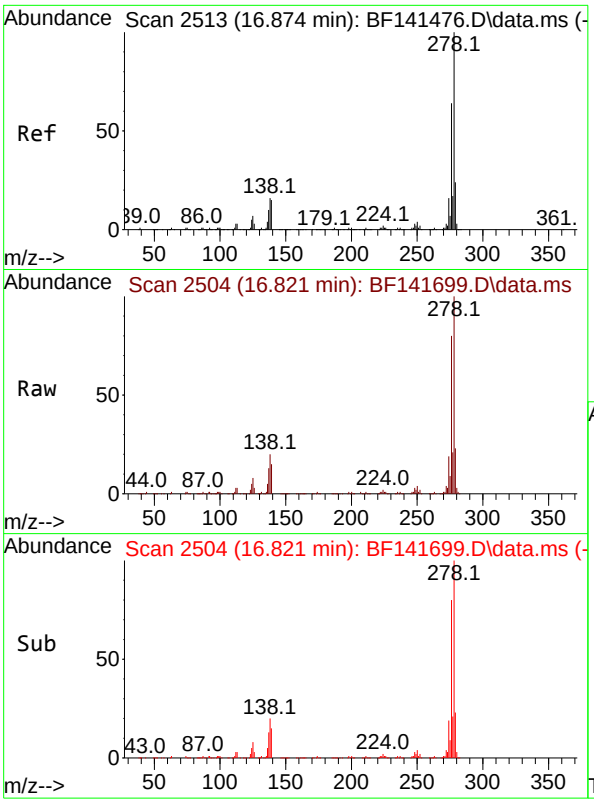


#90
Benzo(a)pyrene
Concen: 48.220 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 463704

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.6	7.4	11.2

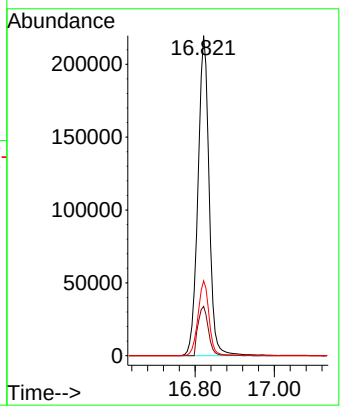




#91
Dibenzo(a,h)anthracene
Concen: 48.511 ng
RT: 16.821 min Scan# 2
Delta R.T. -0.070 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:278 Resp: 42988

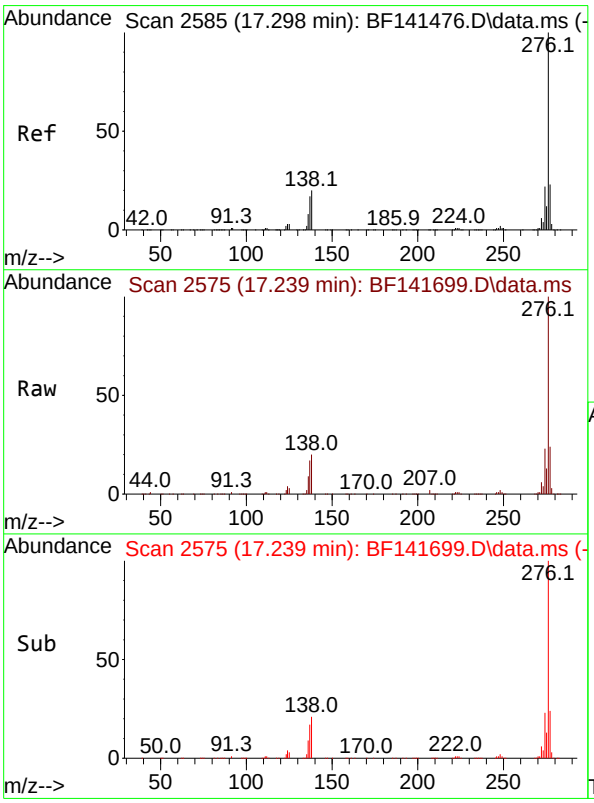
Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	23.4	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
PB166776BS

Manual Integrations
APPROVED

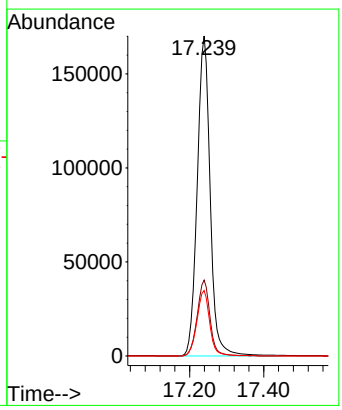
Reviewed By :Rahul Chavli 02/21/2025
Supervised By :Jagrut Upadhyay 02/21/2025



#92
Benzo(g,h,i)perylene
Concen: 44.452 ng
RT: 17.239 min Scan# 2575
Delta R.T. -0.076 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:276 Resp: 412214

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	20.5	15.9	23.9



Raw Data: **BF141691.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725MS	SDG No.:	Q1383
Lab Sample ID:	Q1383-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141691.D	1	02/19/25 10:05	02/19/25 23:06	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	1.50		0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	1.60		0.094	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	1.50		0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	1.50		0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	1.60		0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	1.60		0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	1.40		0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	1.70		0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	1.60		0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.80		0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.80		0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.087	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	57.0		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.6		44 - 115		61%	SPK: 100
1718-51-0	Terphenyl-d14	71.8		54 - 127		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91400	6.781				
1146-65-2	Naphthalene-d8	357000	8.063				
15067-26-2	Acenaphthene-d10	192000	9.816				
1517-22-2	Phenanthrene-d10	315000	11.298				
1719-03-5	Chrysene-d12	173000	13.939				
1520-96-3	Perylene-d12	185000	15.38				

Raw Data: **BF141691.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725MS	SDG No.:	Q1383
Lab Sample ID:	Q1383-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141691.D	1	02/19/25 10:05	02/19/25 23:06	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF021925\
Data File : BF141691.D
Acq On : 19 Feb 2025 23:06
Operator : RC/JU
Sample : Q1383-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 20 00:16:30 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

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91383	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	356803	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	191594	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	315237	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	173447	20.000	ng	-0.02
86) Perylene-d12	15.380	264	184904	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	490441	84.139	ng	0.00
7) Phenol-d6	6.422	99	609238	82.695	ng	-0.02
23) Nitrobenzene-d5	7.345	82	390191	57.039	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	165124	85.794	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	753926	60.625	ng	-0.02
79) Terphenyl-d14	12.880	244	737462	71.778	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.563	88	101123	43.104	ng	98
3) Pyridine	3.287	79	227652	40.779	ng	92
4) n-Nitrosodimethylamine	3.240	42	138761	37.538	ng	89
6) Aniline	6.445	93	198915	28.783	ng	87
8) 2-Chlorophenol	6.569	128	270716	42.982	ng	99
9) Benzaldehyde	6.328	77	115667	29.545	ng	98
10) Phenol	6.440	94	326566	42.588	ng	90
11) bis(2-Chloroethyl)ether	6.516	93	248163	43.088	ng	99
12) 1,3-Dichlorobenzene	6.722	146	283509	42.637	ng	97
13) 1,4-Dichlorobenzene	6.798	146	286870	42.226	ng	98
14) 1,2-Dichlorobenzene	6.951	146	272588	43.231	ng	99
15) Benzyl Alcohol	6.928	79	222989	39.470	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	387829	39.337	ng	80
17) 2-Methylphenol	7.045	107	208590	42.320	ng	97
18) Hexachloroethane	7.287	117	106931	42.530	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	182558	41.426	ng	95
20) 3+4-Methylphenols	7.198	107	271902	43.408	ng	94
22) Acetophenone	7.192	105	405595	45.697	ng	95
24) Nitrobenzene	7.363	77	276454	41.444	ng	100
25) Isophorone	7.604	82	490001	44.924	ng	99
26) 2-Nitrophenol	7.681	139	143090	43.116	ng	96
27) 2,4-Dimethylphenol	7.722	122	210930	54.405	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	299943	42.915	ng	99
29) 2,4-Dichlorophenol	7.928	162	222545	42.483	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	241030	42.253	ng	100
31) Naphthalene	8.087	128	775721	41.766	ng	100
32) Benzoic acid	7.863	122	135395	33.621	ng	96
33) 4-Chloroaniline	8.145	127	50619	7.806	ng	98
34) Hexachlorobutadiene	8.198	225	149026	43.516	ng	99
35) Caprolactam	8.510	113	77102m	48.342	ng	
36) 4-Chloro-3-methylphenol	8.634	107	236342	40.730	ng	98
37) 2-Methylnaphthalene	8.775	142	488399	40.410	ng	99
38) 1-Methylnaphthalene	8.875	142	472328	40.350	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	264867	47.784	ng	98
41) Hexachlorocyclopentadiene	8.928	237	233821	126.824	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	152206	42.485	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141691.D
Acq On : 19 Feb 2025 23:06
Operator : RC/JU
Sample : Q1383-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 20 00:16:30 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

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	161058	41.481	ng	98
46) 1,1'-Biphenyl	9.239	154	695306	46.810	ng	99
47) 2-Chloronaphthalene	9.263	162	477930	43.511	ng	99
48) 2-Nitroaniline	9.363	65	150715	40.886	ng	96
49) Acenaphthylene	9.681	152	733342	44.887	ng	100
50) Dimethylphthalate	9.539	163	560273	43.075	ng	100
51) 2,6-Dinitrotoluene	9.604	165	123670	43.494	ng	98
52) Acenaphthene	9.851	154	456548	41.567	ng	99
53) 3-Nitroaniline	9.775	138	65848	21.517	ng	99
54) 2,4-Dinitrophenol	9.892	184	111818	66.168	ng	89
55) Dibenzofuran	10.022	168	665170	41.259	ng	99
56) 4-Nitrophenol	9.957	139	171082	75.307	ng	92
57) 2,4-Dinitrotoluene	10.010	165	165008	43.593	ng	100
58) Fluorene	10.363	166	528335	42.384	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	135703	40.597	ng	94
60) Diethylphthalate	10.239	149	537334	41.988	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	258751	43.147	ng	98
62) 4-Nitroaniline	10.392	138	119535	38.467	ng	95
63) Azobenzene	10.516	77	542497	42.642	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	78982	36.068	ng	94
66) n-Nitrosodiphenylamine	10.475	169	456846	45.272	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	156576	44.442	ng	98
68) Hexachlorobenzene	10.910	284	164848	45.439	ng	98
69) Atrazine	11.004	200	169018	55.831	ng	99
70) Pentachlorophenol	11.110	266	152558	65.764	ng	100
71) Phenanthrene	11.328	178	758154	43.692	ng	100
72) Anthracene	11.380	178	771214	44.212	ng	100
73) Carbazole	11.533	167	648043	41.289	ng	100
74) Di-n-butylphthalate	11.863	149	792615	43.736	ng	100
75) Fluoranthene	12.510	202	703158	38.222	ng	100
77) Benzidine	12.639	184	232481	60.775	ng	99
78) Pyrene	12.739	202	696703	47.186	ng	100
80) Butylbenzylphthalate	13.357	149	261679	51.167	ng	99
81) Benzo(a)anthracene	13.927	228	493567	42.809	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	102649	31.080	ng	99
83) Chrysene	13.963	228	466344	43.805	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	329913	57.197	ng	100
85) Di-n-octyl phthalate	14.527	149	479672	58.294	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	574071	50.247	ng	99
88) Benzo(b)fluoranthene	14.963	252	446800	35.988	ng	99
89) Benzo(k)fluoranthene	14.992	252	463896m	43.757	ng	
90) Benzo(a)pyrene	15.321	252	448618	44.656	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	465267	50.258	ng	99
92) Benzo(g,h,i)perylene	17.245	276	455897	47.060	ng	99

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

Sample Results: **BF141691.D**

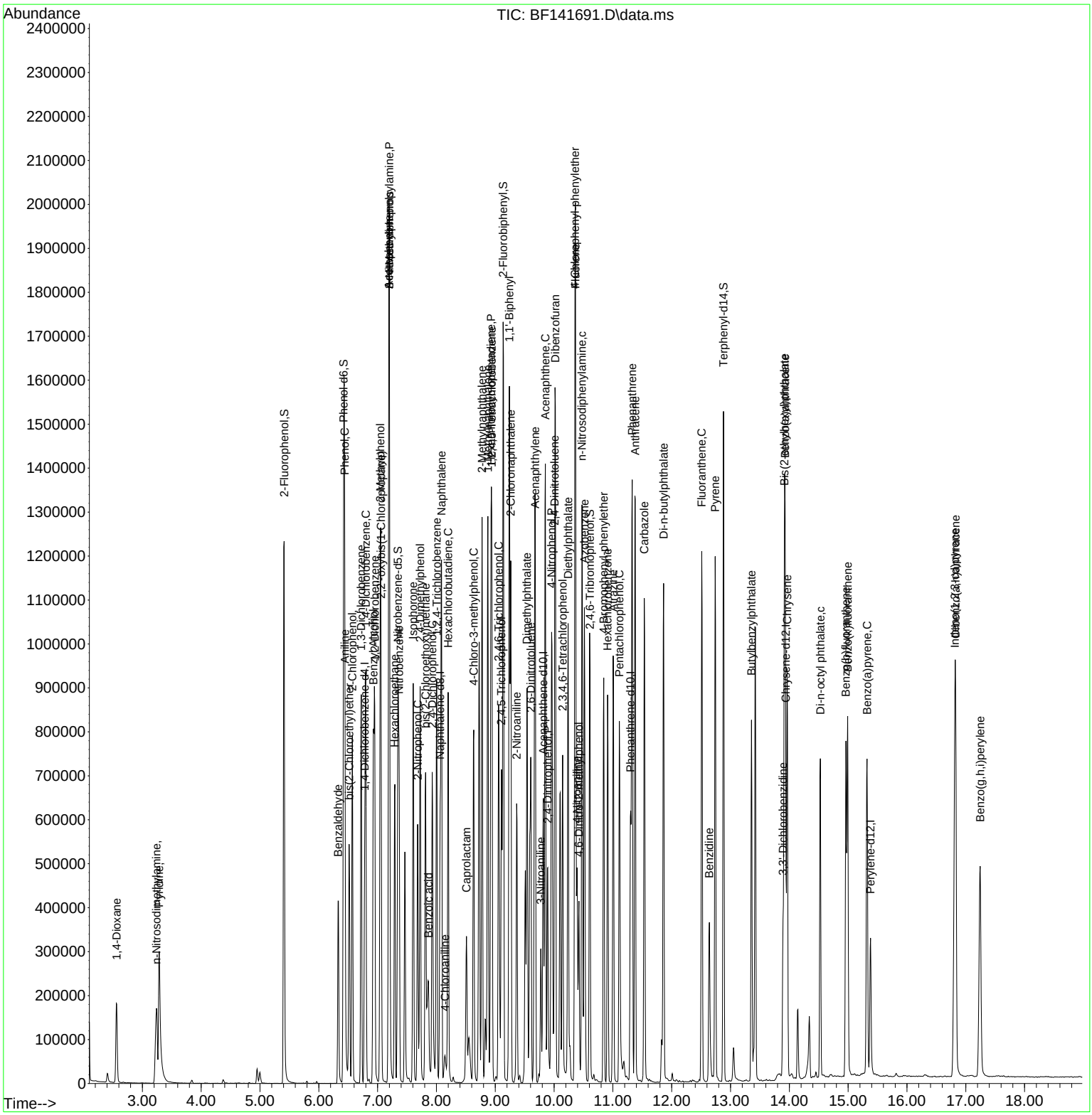
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141691.D
Acq On : 19 Feb 2025 23:06
Operator : RC/JU
Sample : Q1383-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

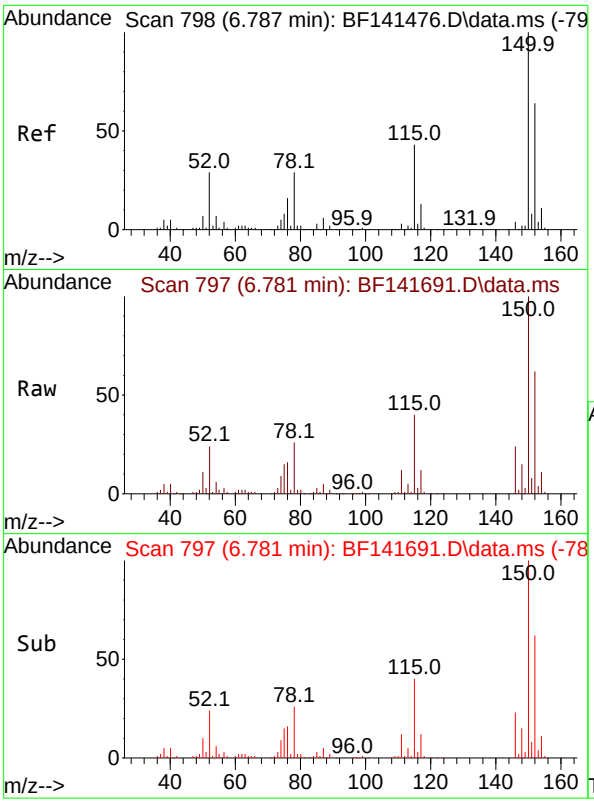
Quant Time: Feb 20 00:16:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
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Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations APPROVED

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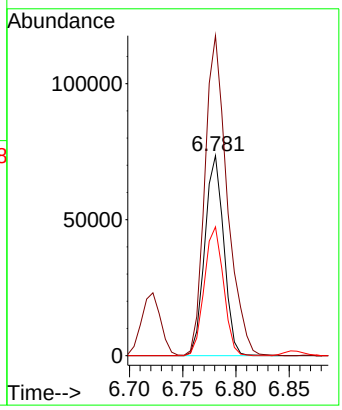




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:152 Resp: 9138

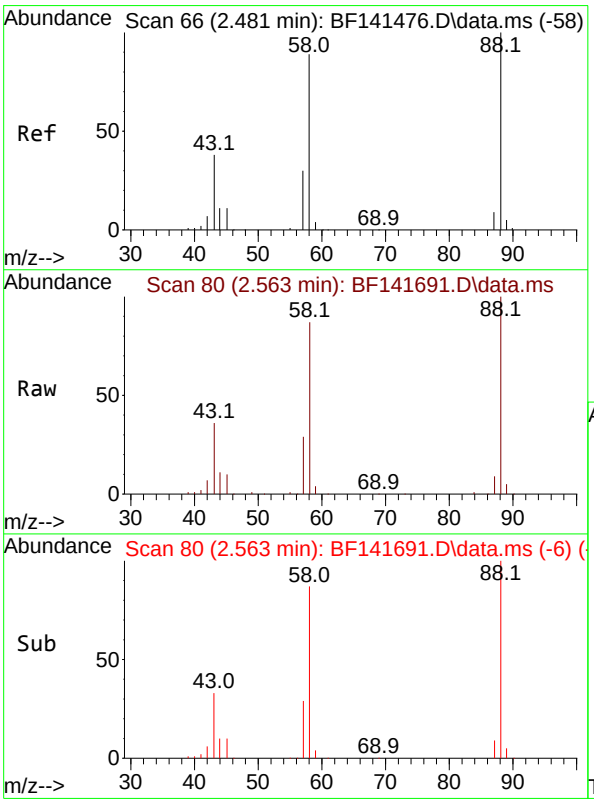
Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.0	187.4
115	64.5	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

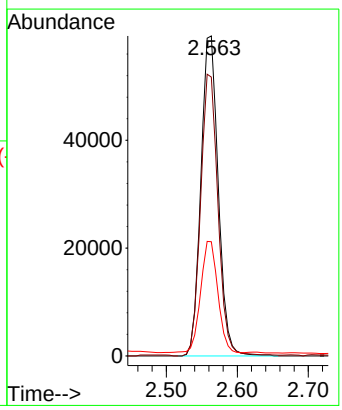
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

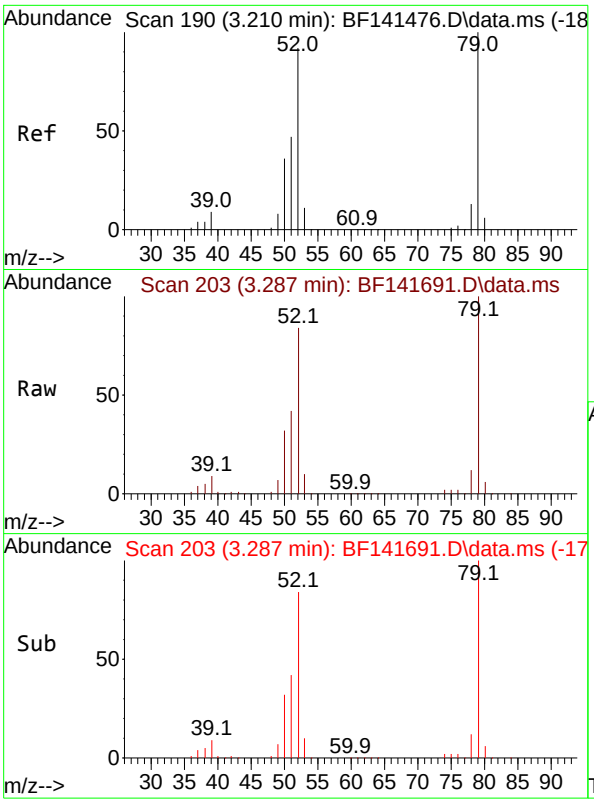


#2
1,4-Dioxane
Concen: 43.104 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.083 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 88 Resp: 101123

Ion	Ratio	Lower	Upper
88	100		
58	88.4	71.1	106.7
43	34.3	30.6	46.0

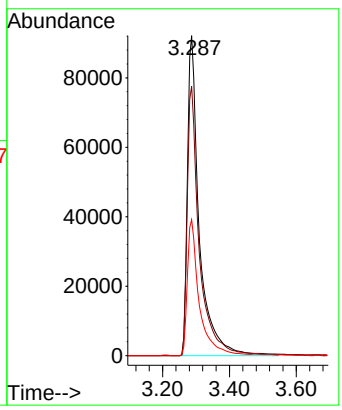




#3
Pyridine
Concen: 40.779 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.071 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 79 Resp: 22765

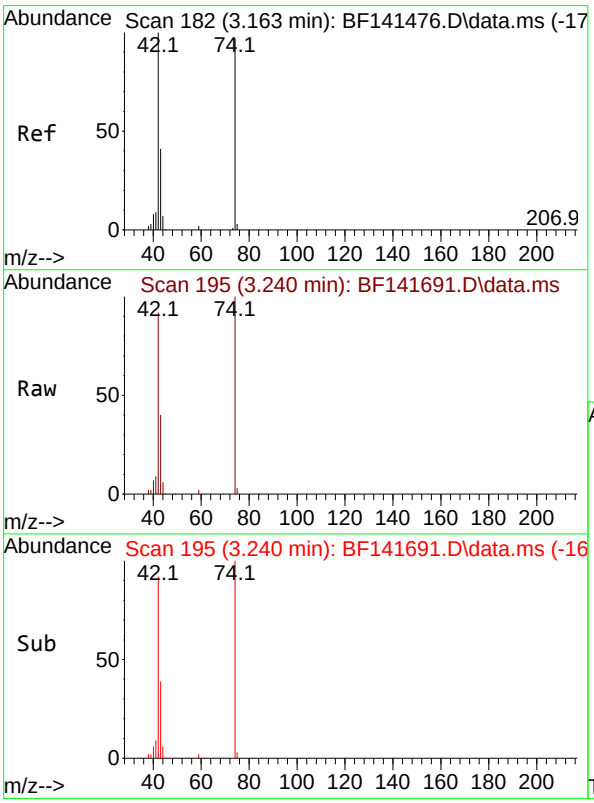
Ion	Ratio	Lower	Upper
79	100		
52	84.2	73.7	110.5
51	42.5	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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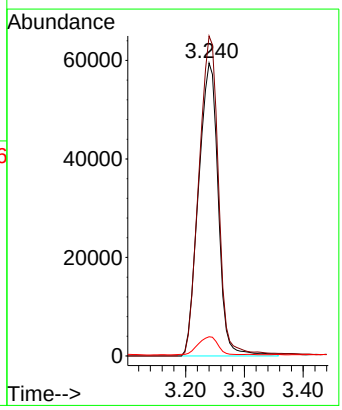
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

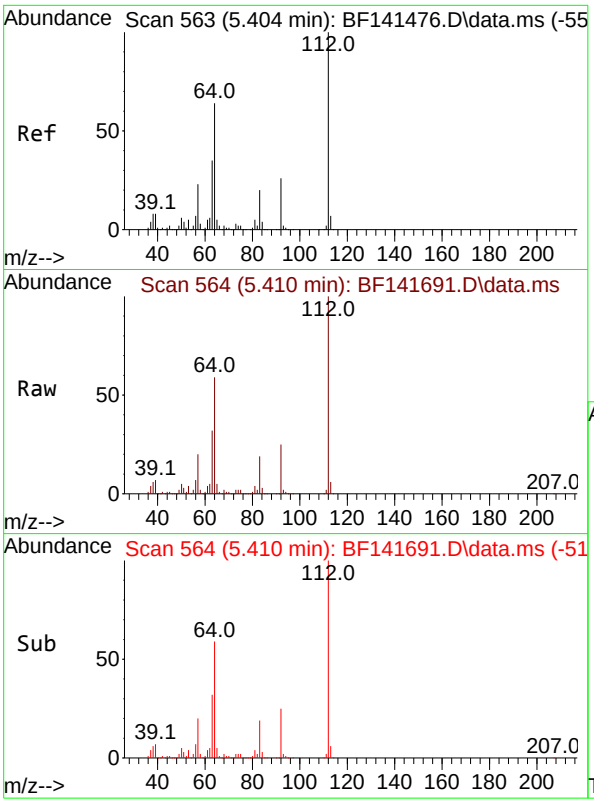


#4
n-Nitrosodimethylamine
Concen: 37.538 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 42 Resp: 138761

Ion	Ratio	Lower	Upper
42	100		
74	109.2	78.0	117.0
44	6.6	5.4	8.2





#5
2-Fluorophenol
Concen: 84.139 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

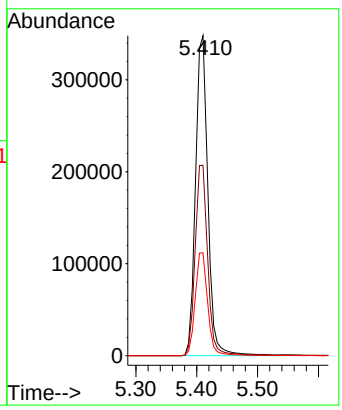
Tgt Ion:112 Resp: 49044

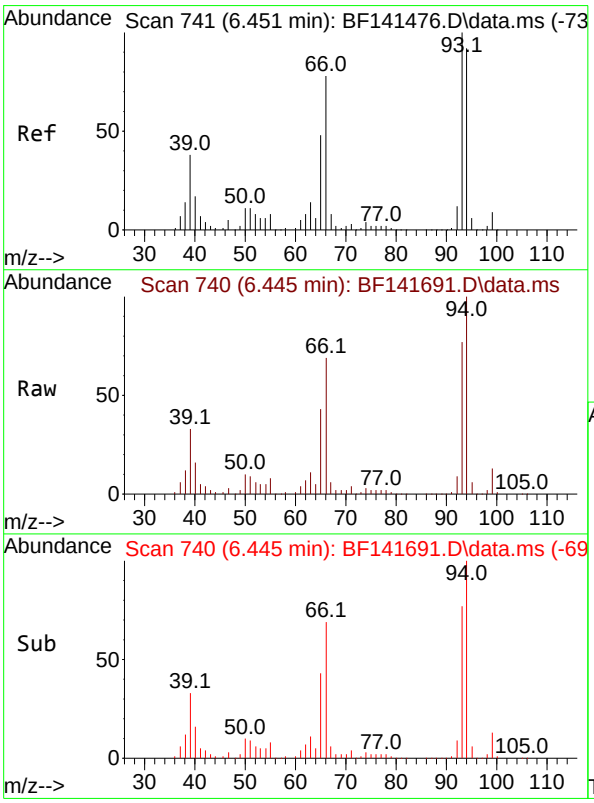
Ion	Ratio	Lower	Upper
112	100		
64	59.5	51.1	76.7
63	32.1	28.4	42.6

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

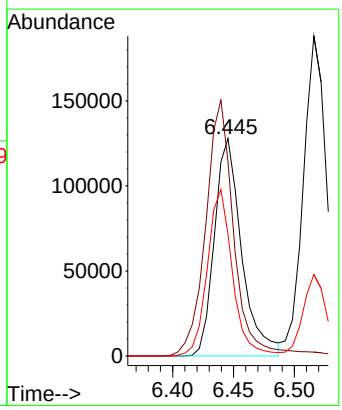


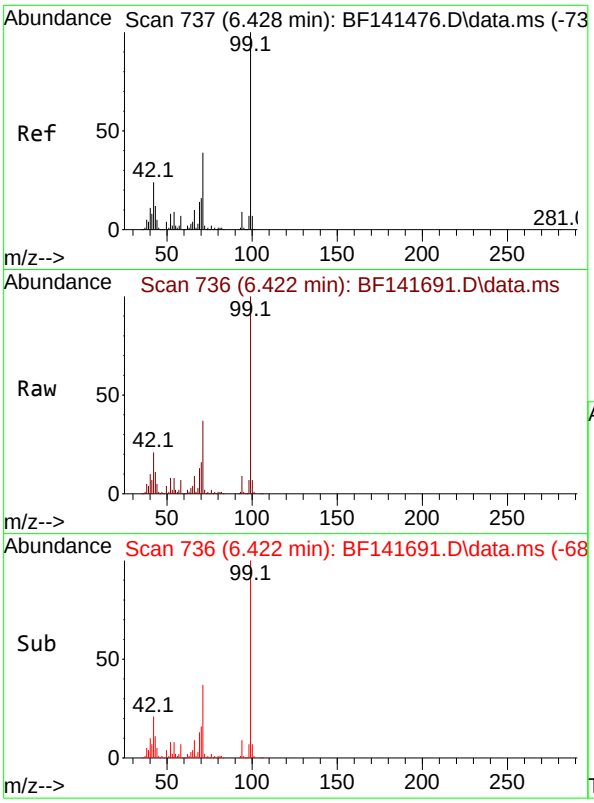


#6
Aniline
Concen: 28.783 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 93 Resp: 198915

Ion	Ratio	Lower	Upper
93	100		
66	89.5	62.6	94.0
65	56.1	38.3	57.5





#7
Phenol-d6
Concen: 82.695 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

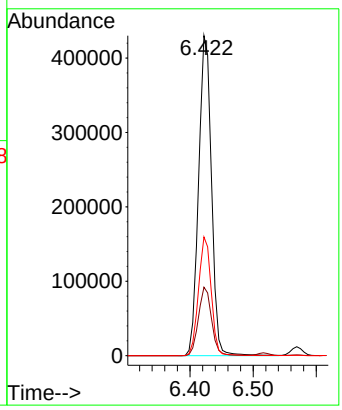
Tgt Ion: 99 Resp: 60923

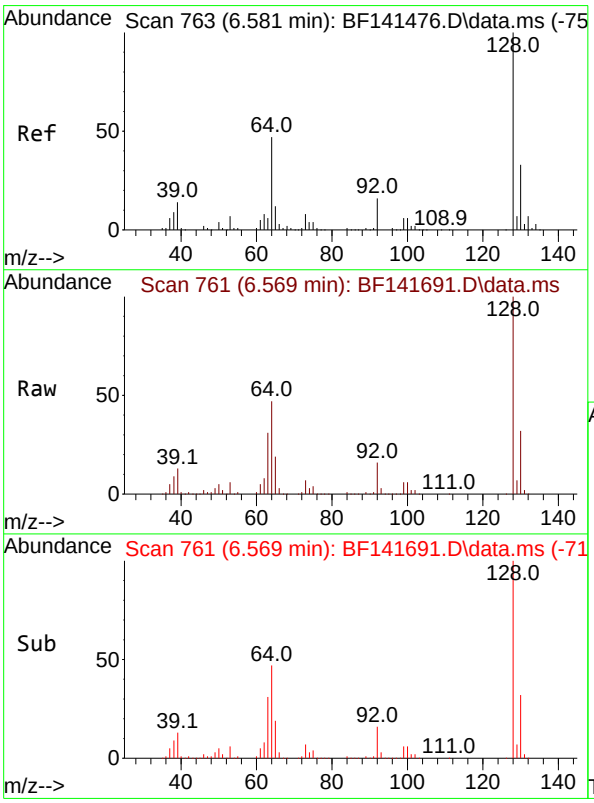
Ion	Ratio	Lower	Upper
99	100		
42	21.4	19.1	28.7
71	37.1	31.1	46.7

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

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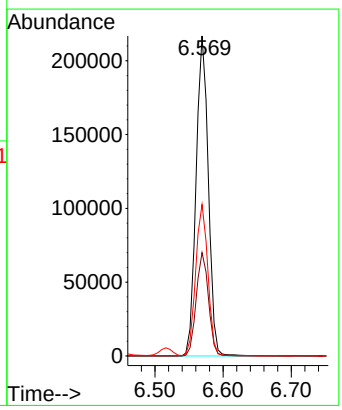


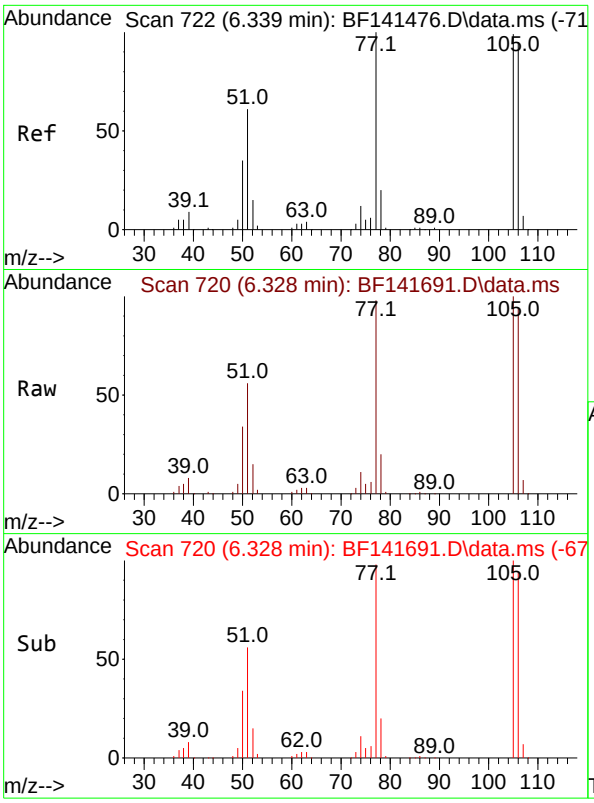


#8
2-Chlorophenol
Concen: 42.982 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:128 Resp: 270716

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	47.4	28.3	68.3

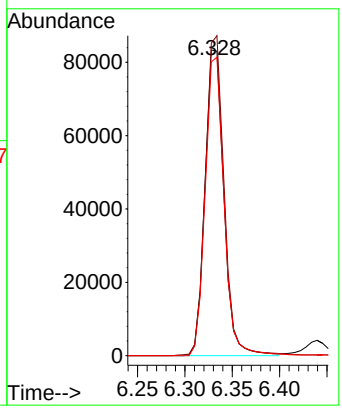




#9
Benzaldehyde
Concen: 29.545 ng
RT: 6.328 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 77 Resp: 11566

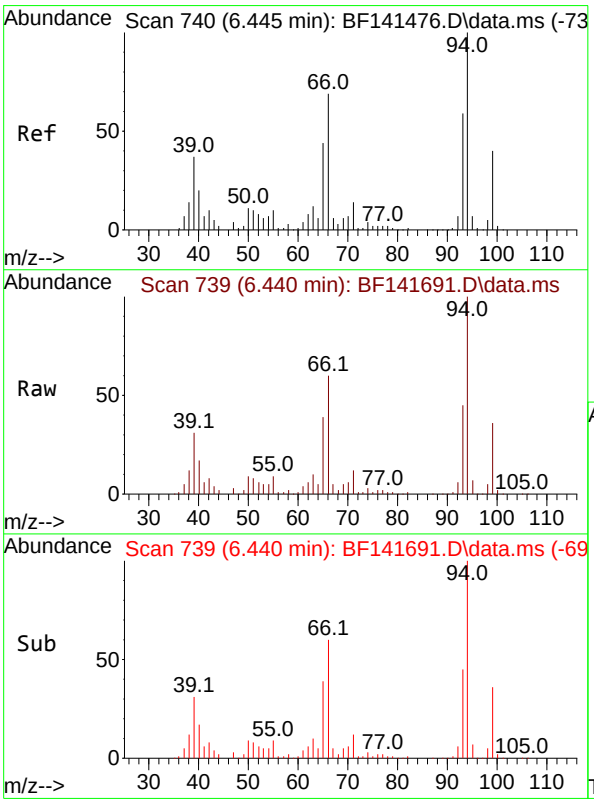
Ion	Ratio	Lower	Upper
77	100		
105	102.2	79.4	119.4
106	96.1	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

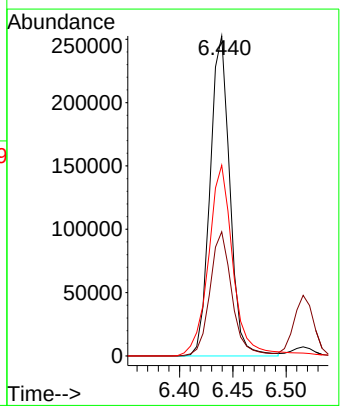
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

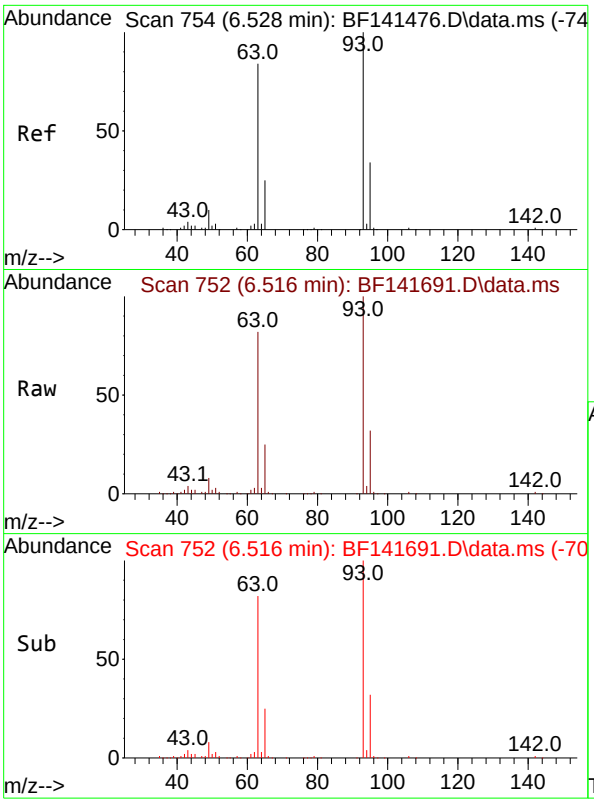


#10
Phenol
Concen: 42.588 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 94 Resp: 326566

Ion	Ratio	Lower	Upper
94	100		
65	38.8	23.7	63.7
66	59.6	49.3	89.3

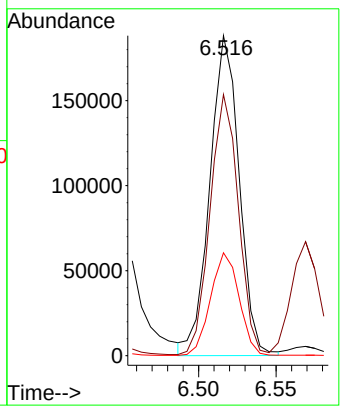




#11
bis(2-Chloroethyl)ether
Concen: 43.088 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 93 Resp: 24816

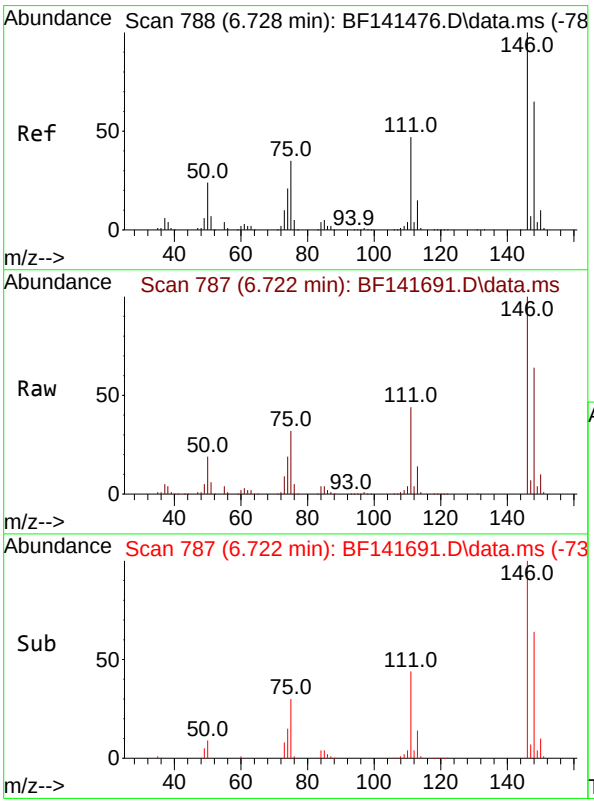
Ion	Ratio	Lower	Upper
93	100		
63	81.6	62.0	102.0
95	32.2	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

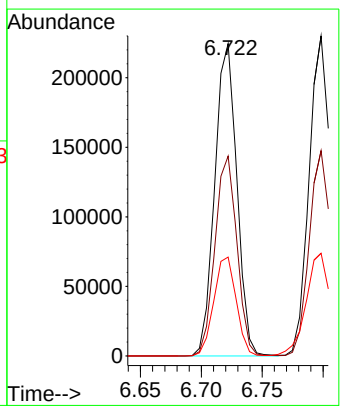
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

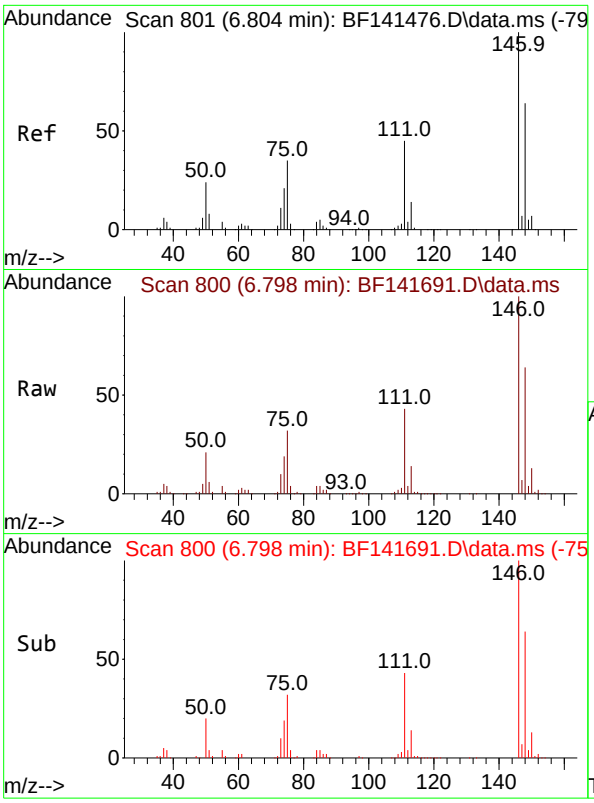


#12
1,3-Dichlorobenzene
Concen: 42.637 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:146 Resp: 283509

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	31.7	28.2	42.2

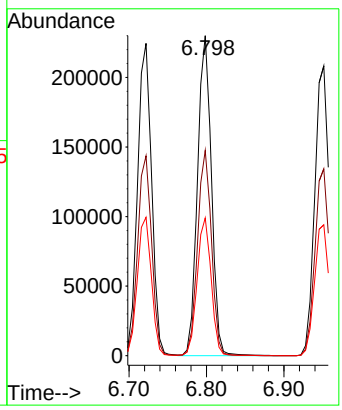




#13
1,4-Dichlorobenzene
Concen: 42.226 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:146 Resp: 28687

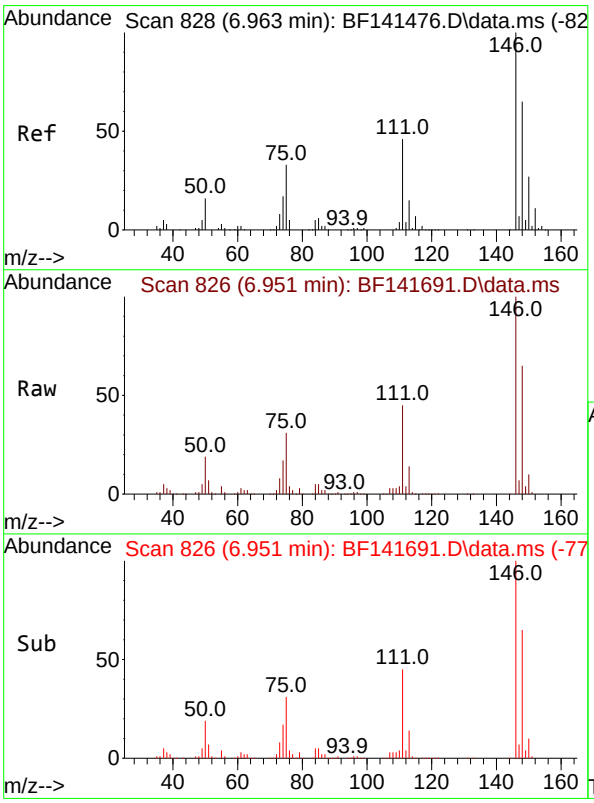
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	43.1	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

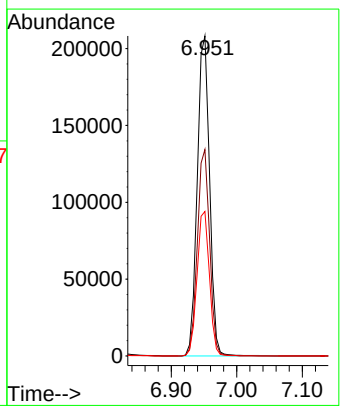
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

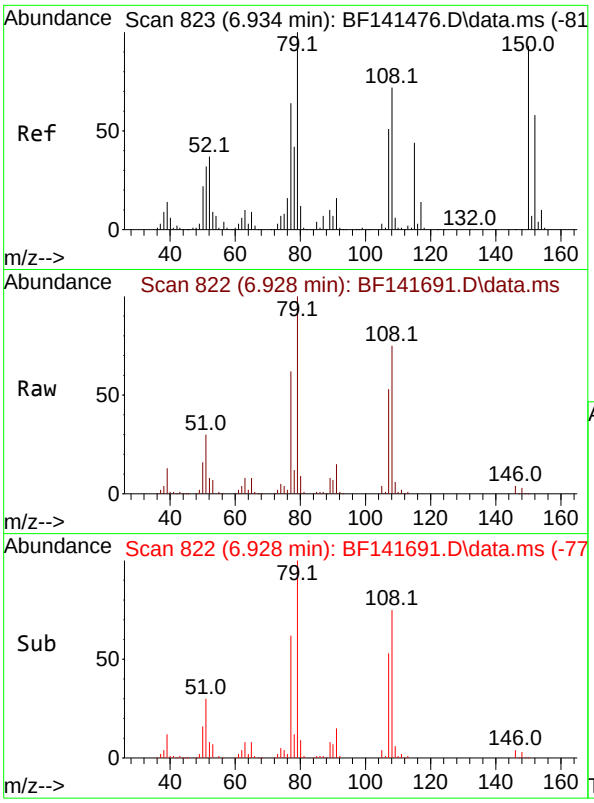


#14
1,2-Dichlorobenzene
Concen: 43.231 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:146 Resp: 272588

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
111	45.2	37.0	55.4

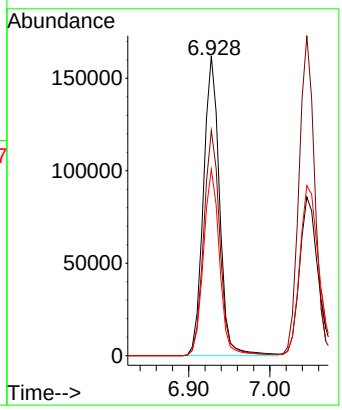




#15
Benzyl Alcohol
Concen: 39.470 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 79 Resp: 22298

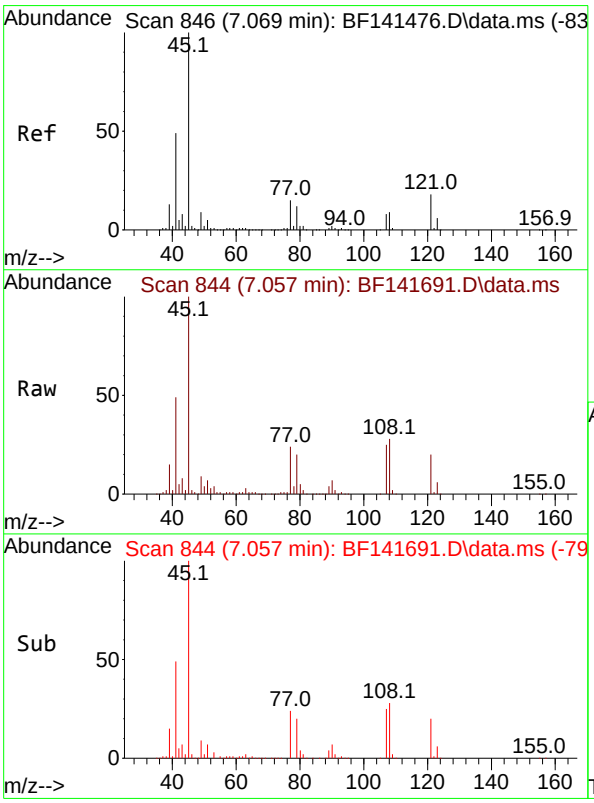
Ion	Ratio	Lower	Upper
79	100		
108	75.1	57.4	86.2
77	62.1	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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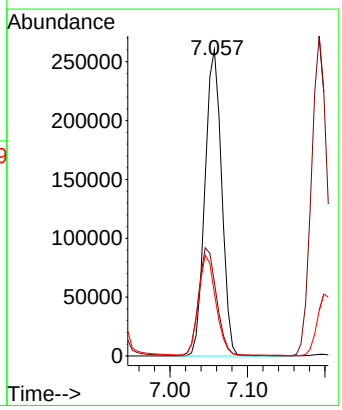
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

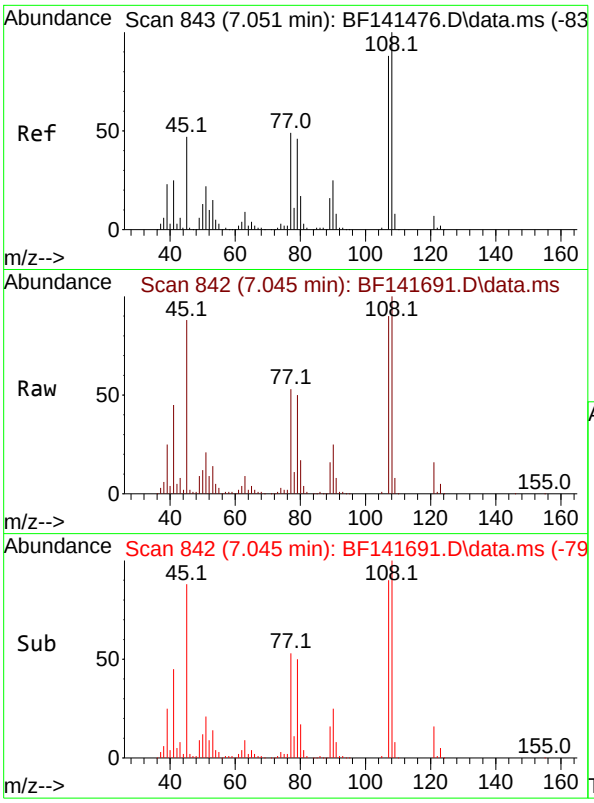


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.337 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 45 Resp: 387829

Ion	Ratio	Lower	Upper
45	100		
77	24.0	0.0	35.8
79	20.5	0.0	32.7

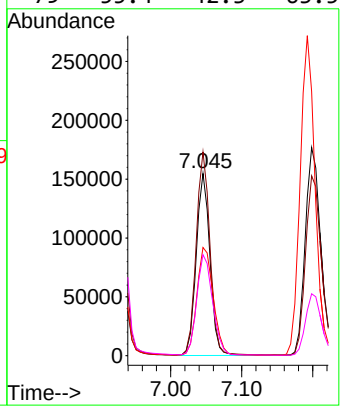




#17
2-Methylphenol
Concen: 42.320 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:107 Resp: 20859

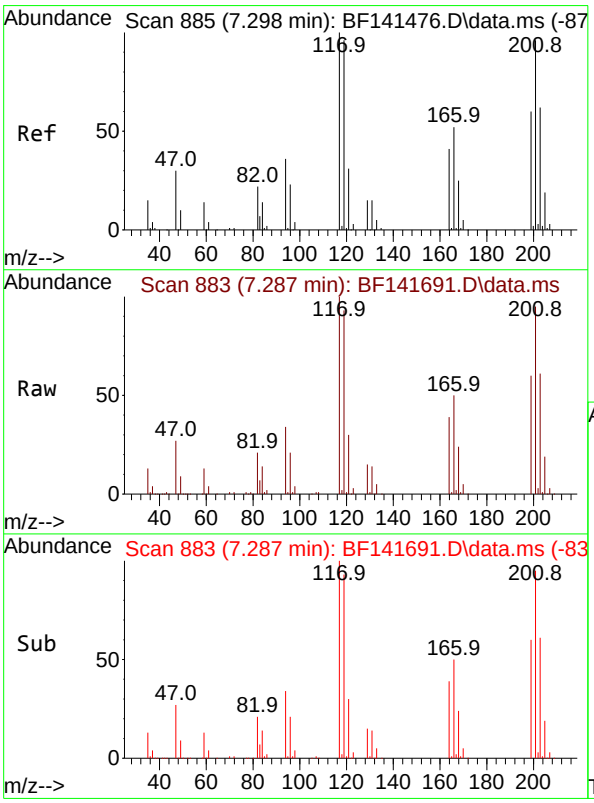
Ion	Ratio	Lower	Upper
107	100		
108	111.7	90.6	136.0
77	59.3	44.4	66.6
79	55.4	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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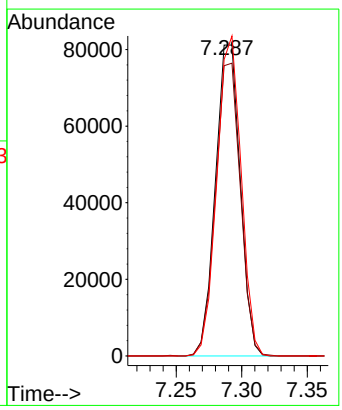
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

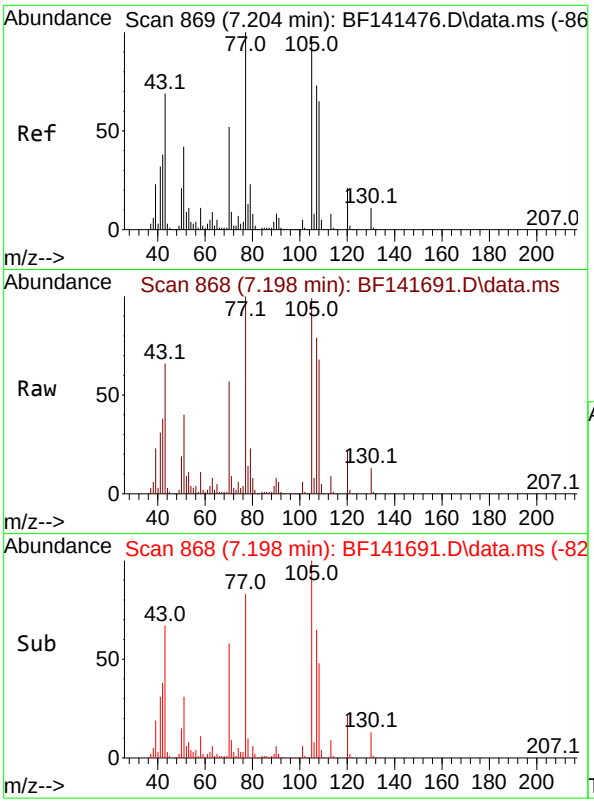


#18
Hexachloroethane
Concen: 42.530 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:117 Resp: 106931

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.5	114.7
201	95.3	76.7	115.1

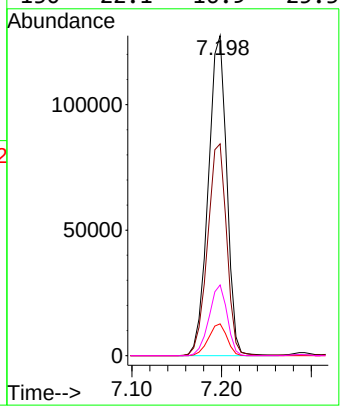




#19
n-Nitroso-di-n-propylamine
Concen: 41.426 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 70 Resp: 18255

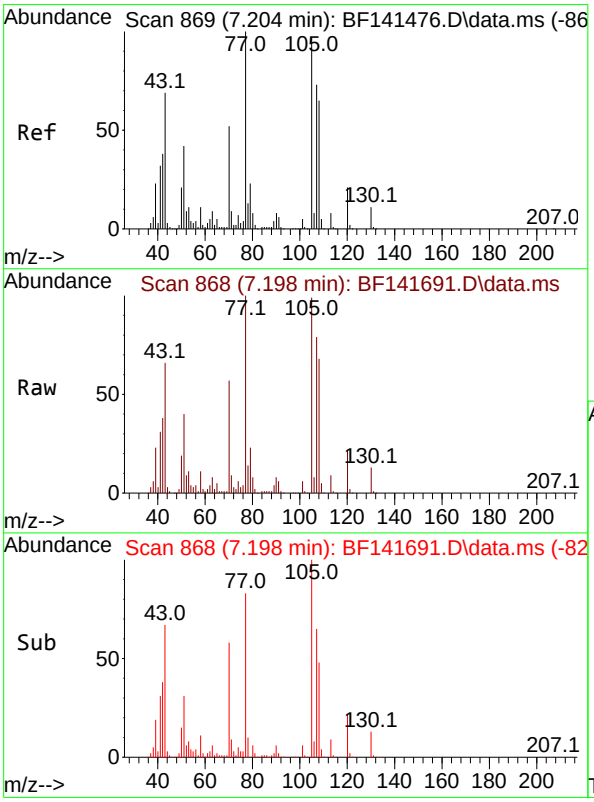
Ion	Ratio	Lower	Upper
70	100		
42	66.2	57.4	86.2
101	9.9	8.0	12.0
130	22.1	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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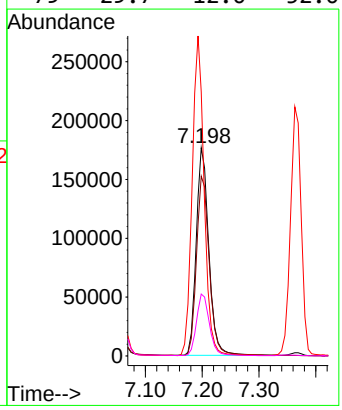
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

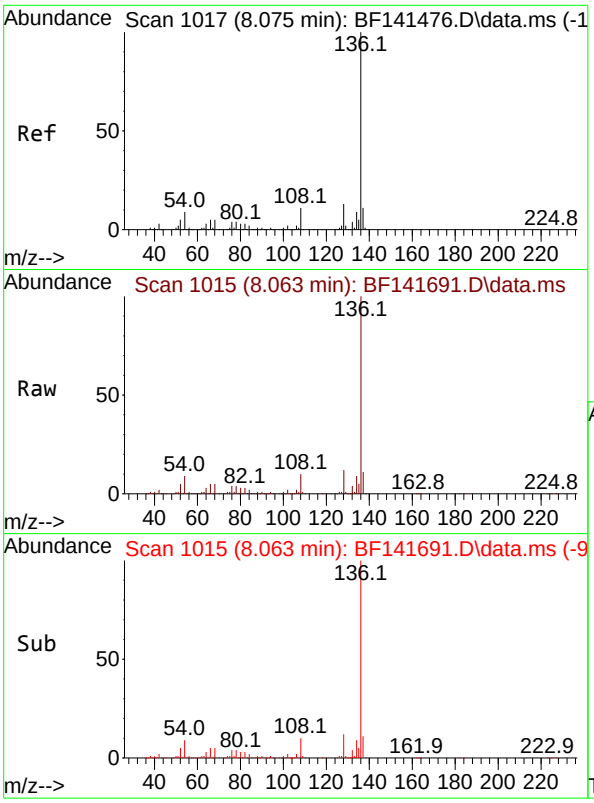


#20
3+4-Methylphenols
Concen: 43.408 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:107 Resp: 271902

Ion	Ratio	Lower	Upper
107	100		
108	86.4	68.5	108.5
77	126.8	116.5	156.5
79	29.7	12.0	52.0

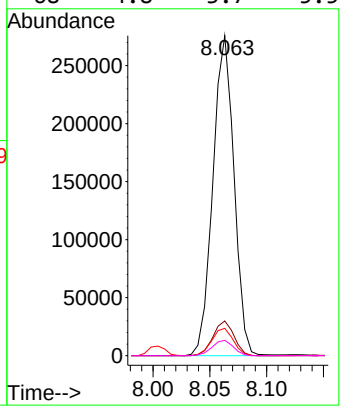




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:136 Resp: 35680

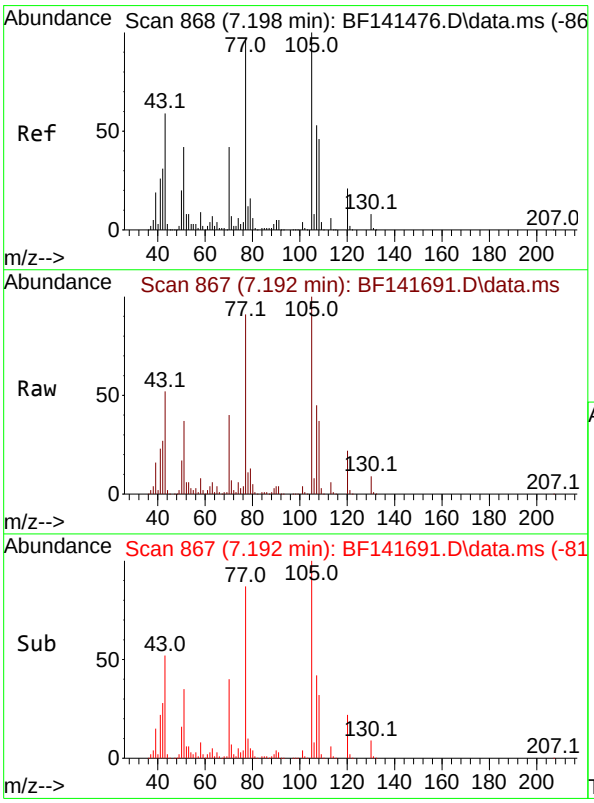
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	7.2	10.8
68	4.8	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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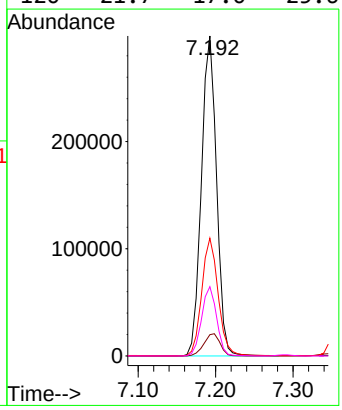
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

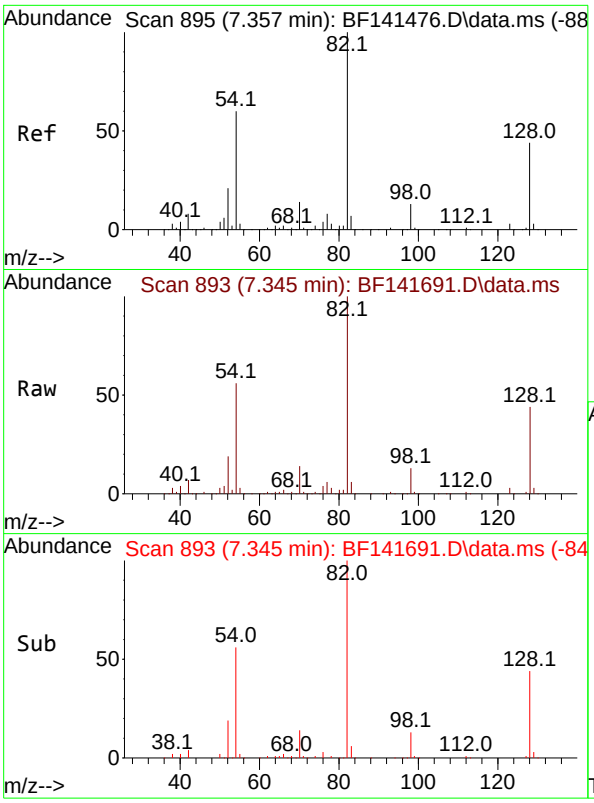


#22
Acetophenone
Concen: 45.697 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:105 Resp: 405595

Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.7	8.5
51	36.8	33.7	50.5
120	21.7	17.0	25.6

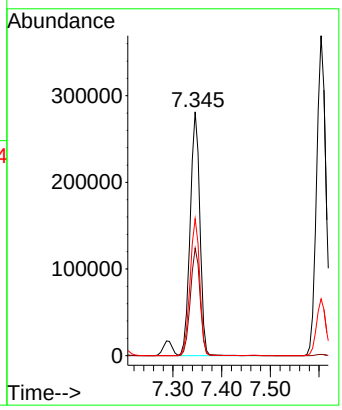




#23
Nitrobenzene-d5
Concen: 57.039 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 82 Resp: 39019

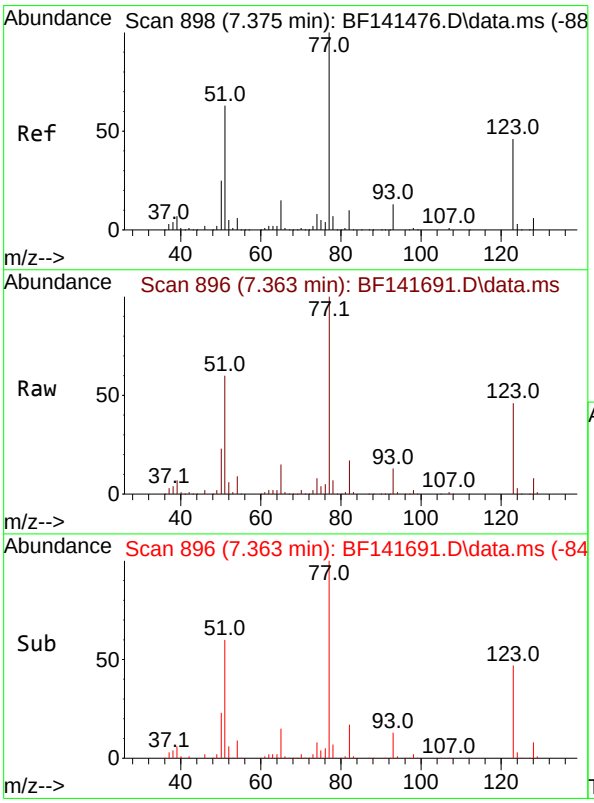
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.8	52.2
54	56.2	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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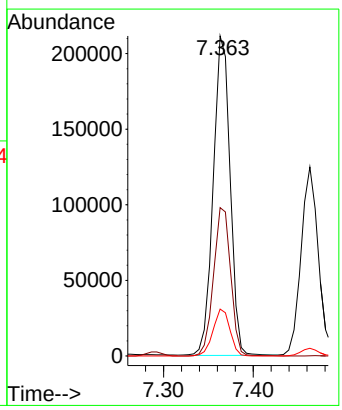
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

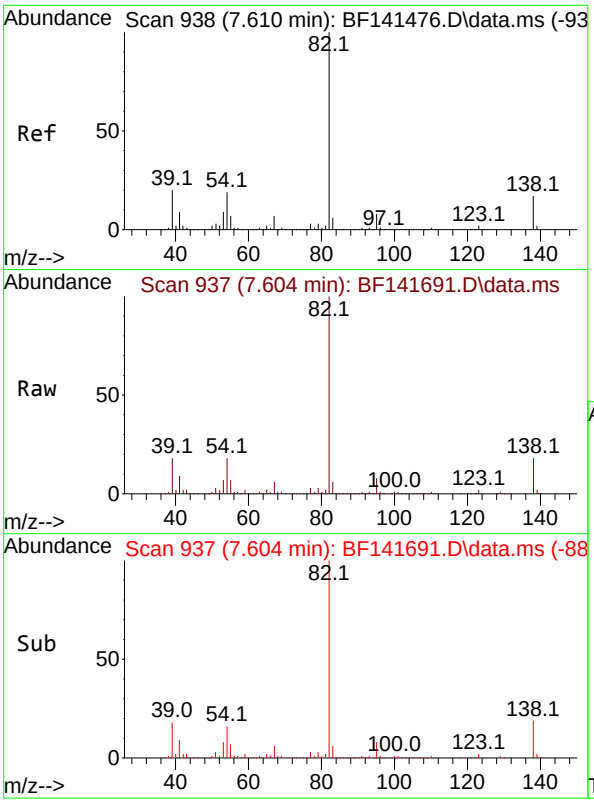


#24
Nitrobenzene
Concen: 41.444 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 77 Resp: 276454

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	14.6	11.9	17.9

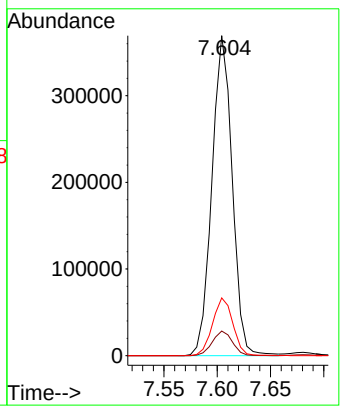




#25
Isophorone
Concen: 44.924 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 82 Resp: 49000

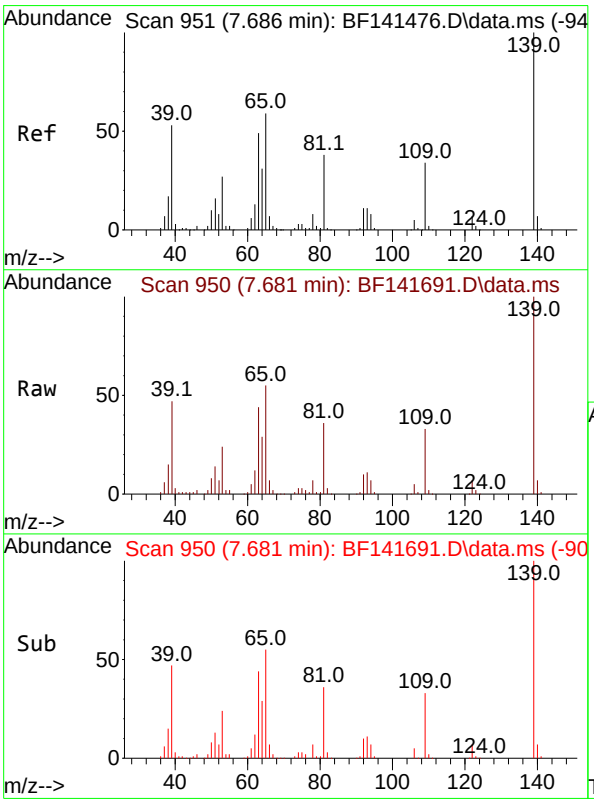
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.0	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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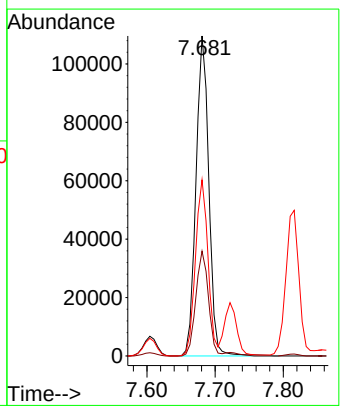
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

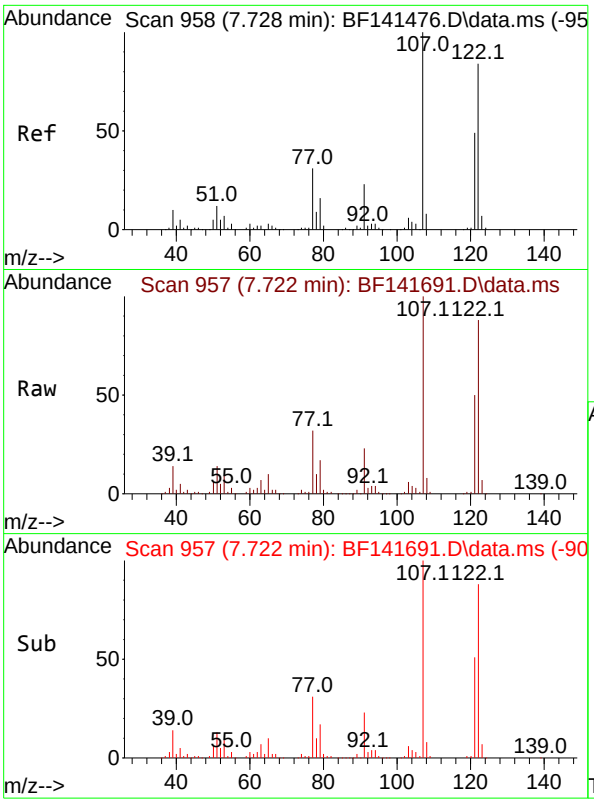


#26
2-Nitrophenol
Concen: 43.116 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:139 Resp: 143090

Ion	Ratio	Lower	Upper
139	100		
109	32.7	27.0	40.6
65	55.1	47.1	70.7

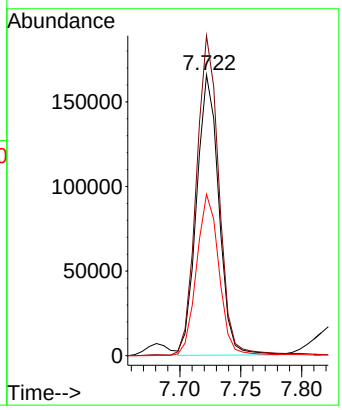




#27
2,4-Dimethylphenol
Concen: 54.405 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:122 Resp: 21093

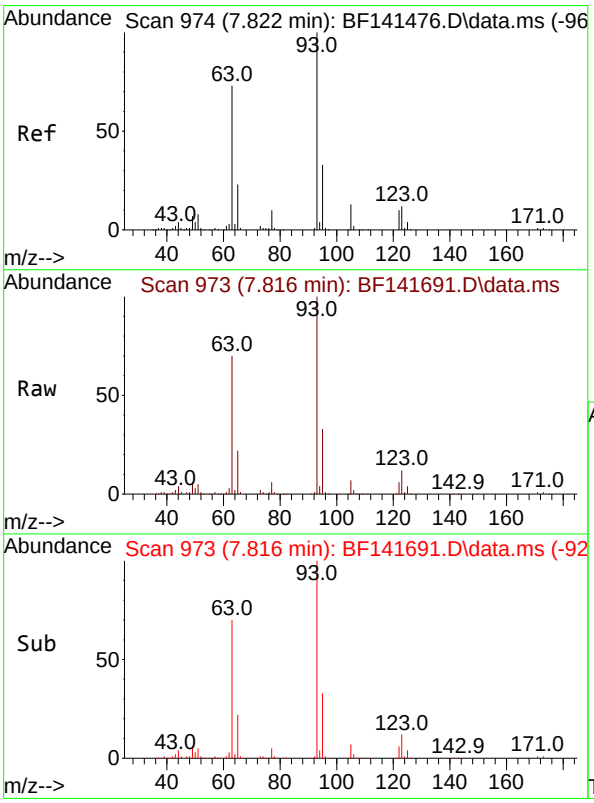
Ion	Ratio	Lower	Upper
122	100		
107	114.0	94.3	141.5
121	57.5	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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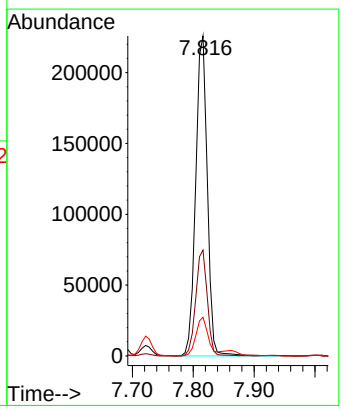
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

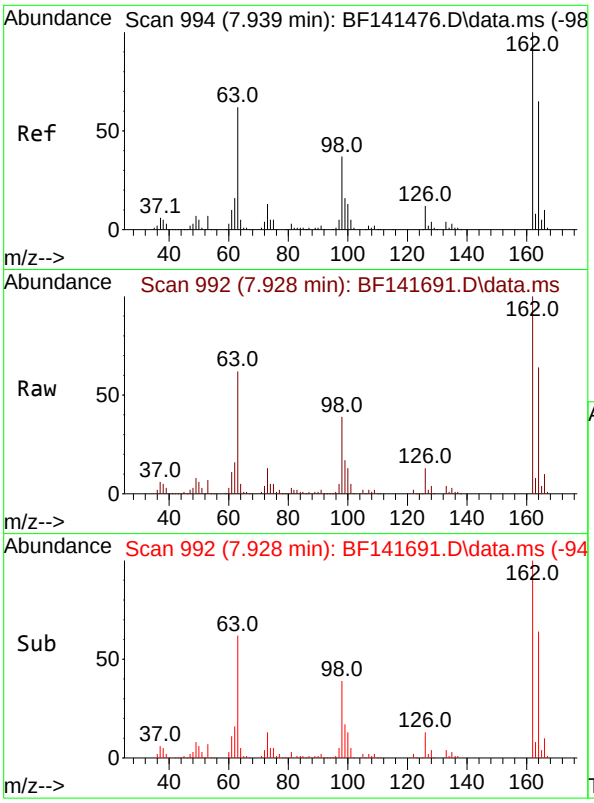


#28
bis(2-Chloroethoxy)methane
Concen: 42.915 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 93 Resp: 299943

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.1	39.1
123	12.1	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 42.483 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

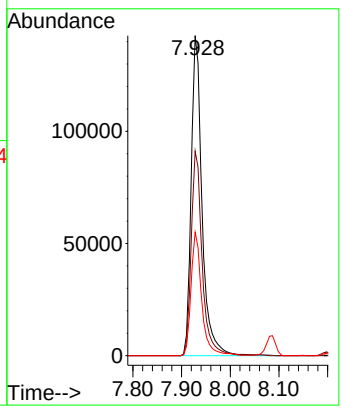
Tgt Ion:162 Resp: 22254

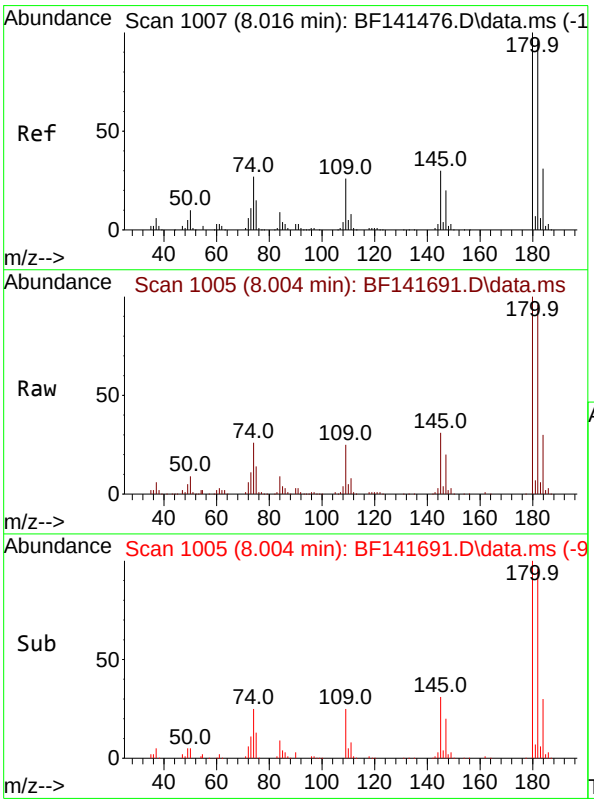
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.6	84.6
98	38.6	17.2	57.2

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

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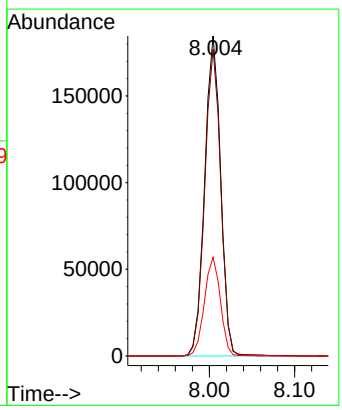


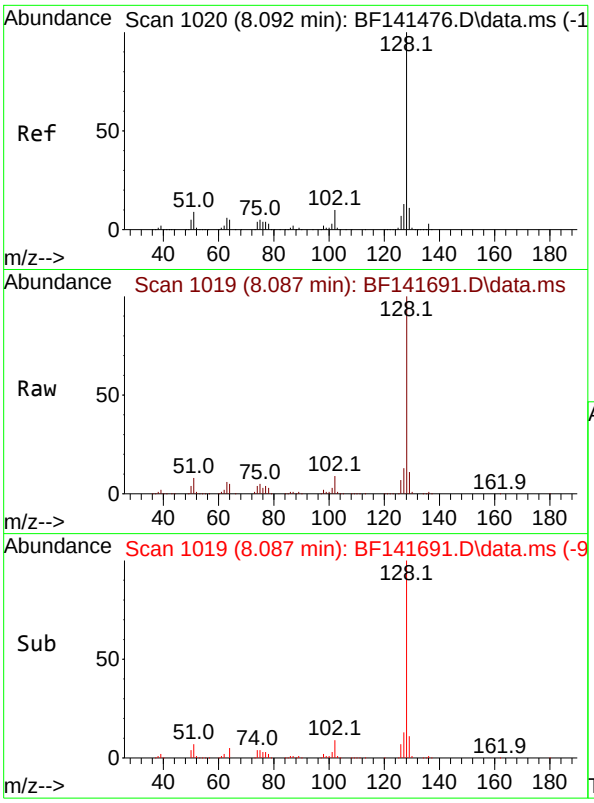


#30
1,2,4-Trichlorobenzene
Concen: 42.253 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:180 Resp: 241030

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	30.9	24.2	36.4





#31
Naphthalene
Concen: 41.766 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

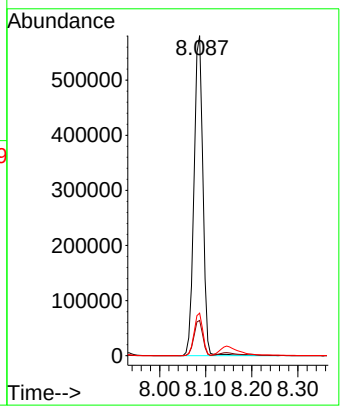
Tgt Ion:128 Resp: 77572

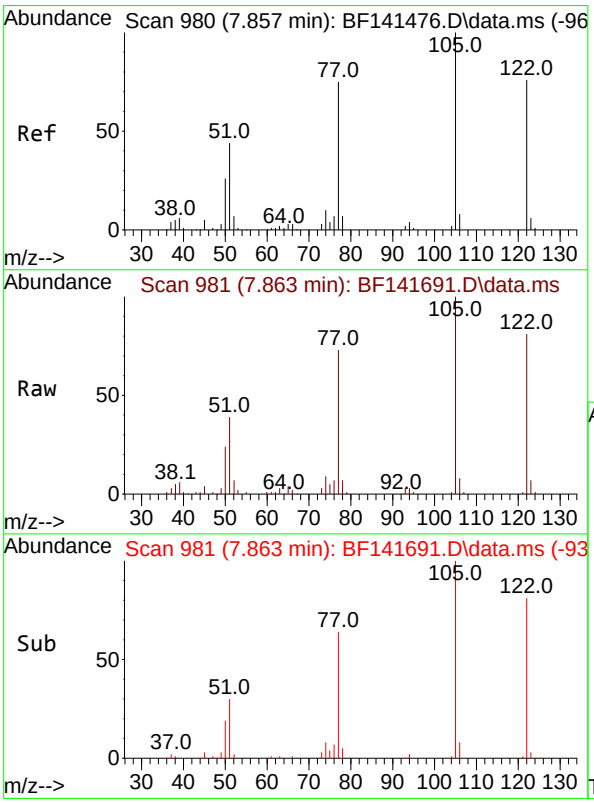
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.3	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

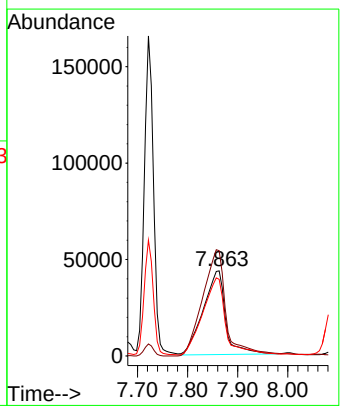


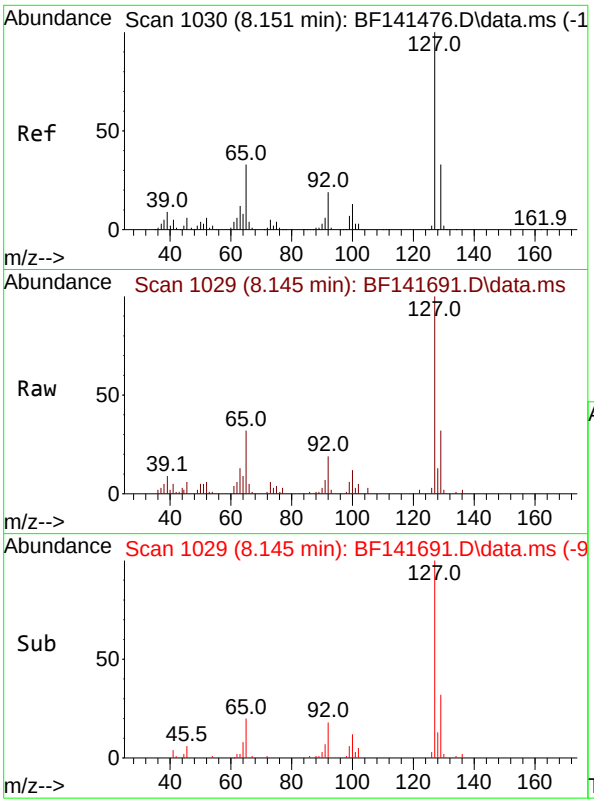


#32
Benzoic acid
Concen: 33.621 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:122 Resp: 135395

Ion	Ratio	Lower	Upper
122	100		
105	123.6	106.5	146.5
77	90.1	76.3	116.3

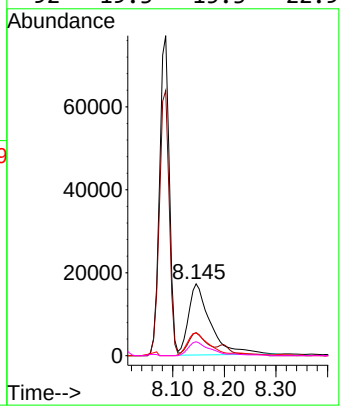




#33
4-Chloroaniline
Concen: 7.806 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:127 Resp: 5061

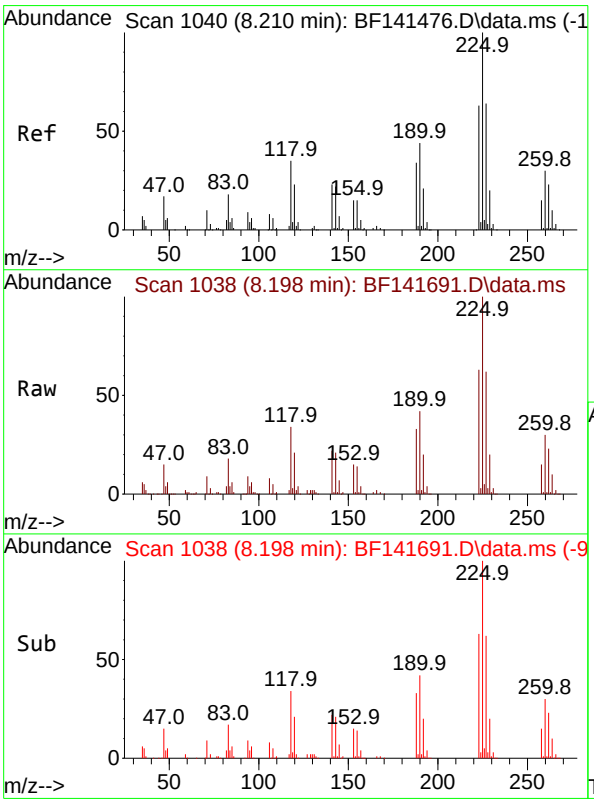
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	31.7	26.4	39.6
92	19.3	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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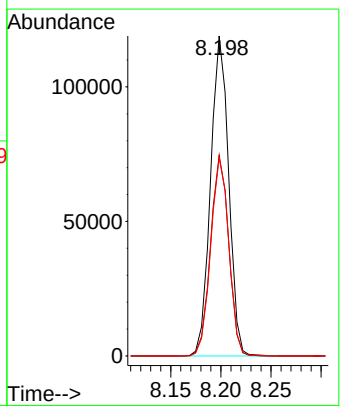
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

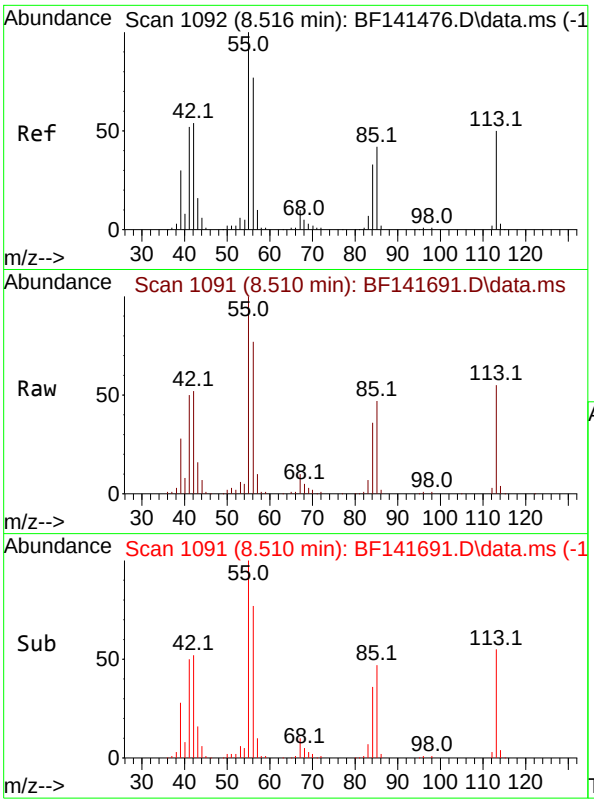


#34
Hexachlorobutadiene
Concen: 43.516 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:225 Resp: 149026

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.1	75.1
227	62.0	51.0	76.6

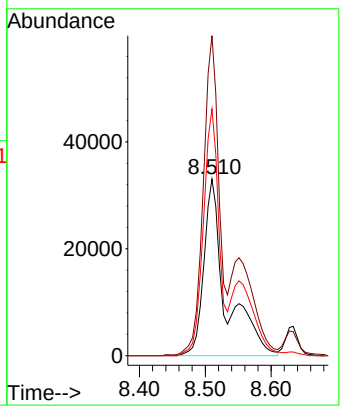




#35
Caprolactam
Concen: 48.342 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:113 Resp: 7710

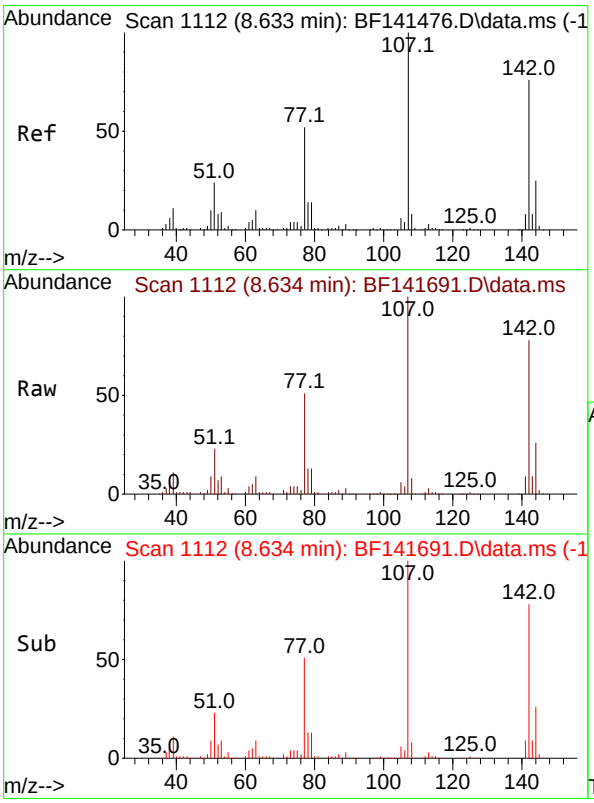
Ion	Ratio	Lower	Upper
113	100		
55	181.3	180.8	220.8
56	139.8	133.6	173.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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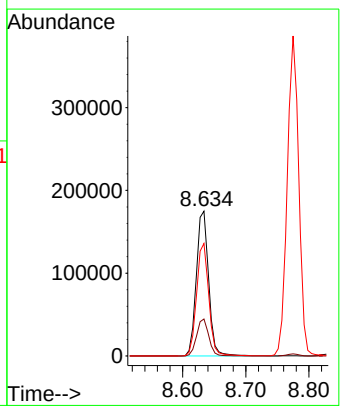
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

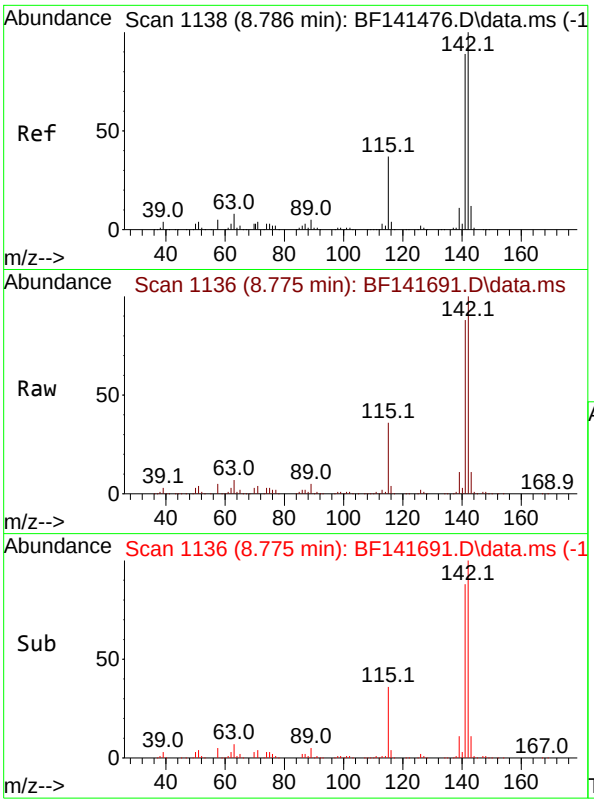


#36
4-Chloro-3-methylphenol
Concen: 40.730 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:107 Resp: 236342

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.7	29.5
142	77.7	60.8	91.2





#37
2-Methylnaphthalene
Concen: 40.410 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

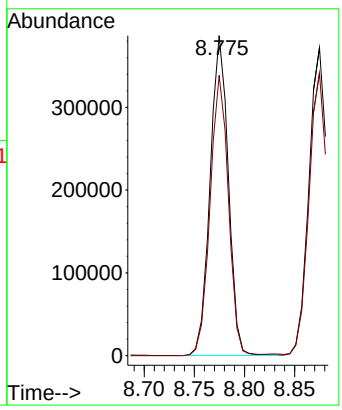
Tgt Ion:142 Resp: 48839

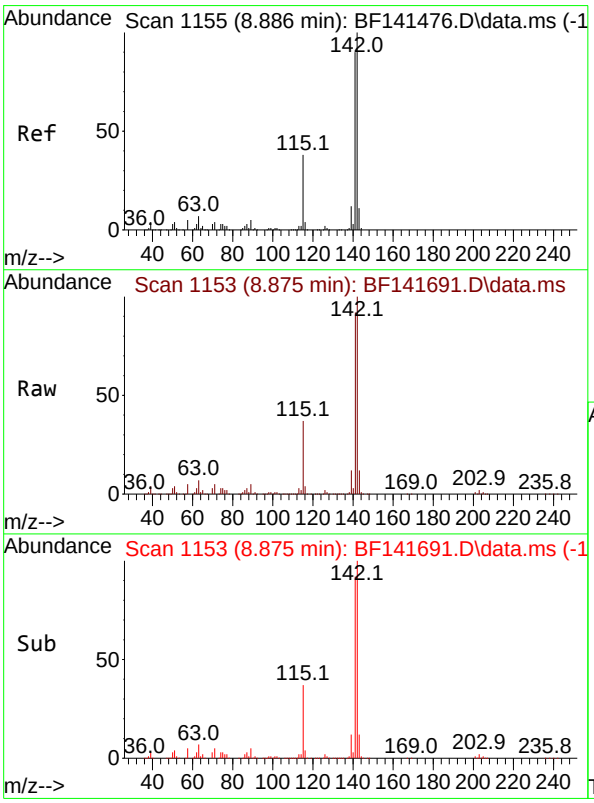
Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.2	106.8

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

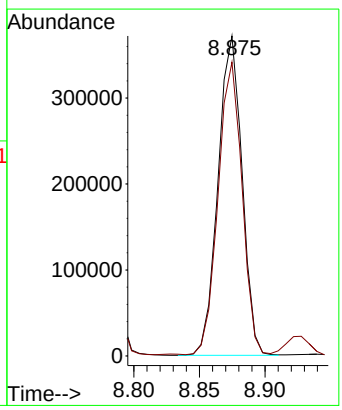


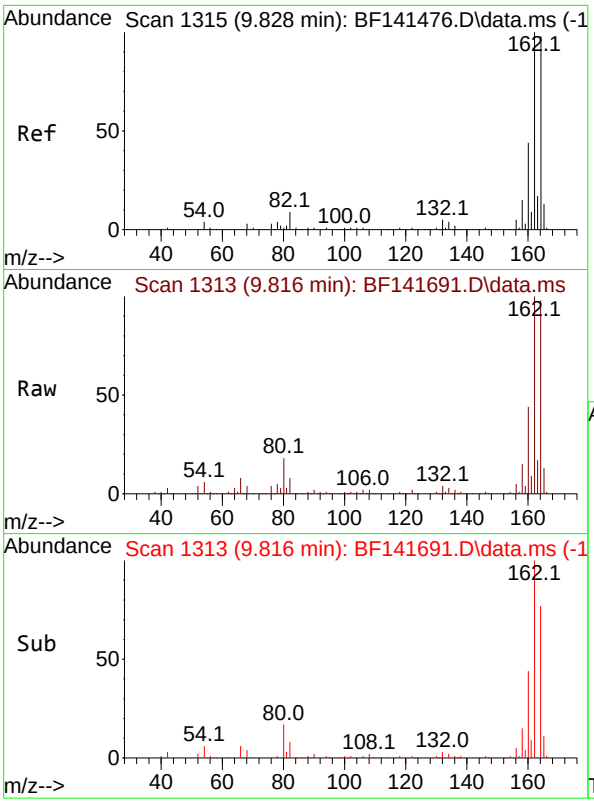


#38
1-Methylnaphthalene
Concen: 40.350 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:142 Resp: 472328

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.1	108.1

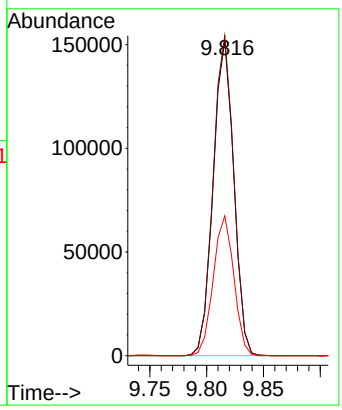




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:164 Resp: 19159

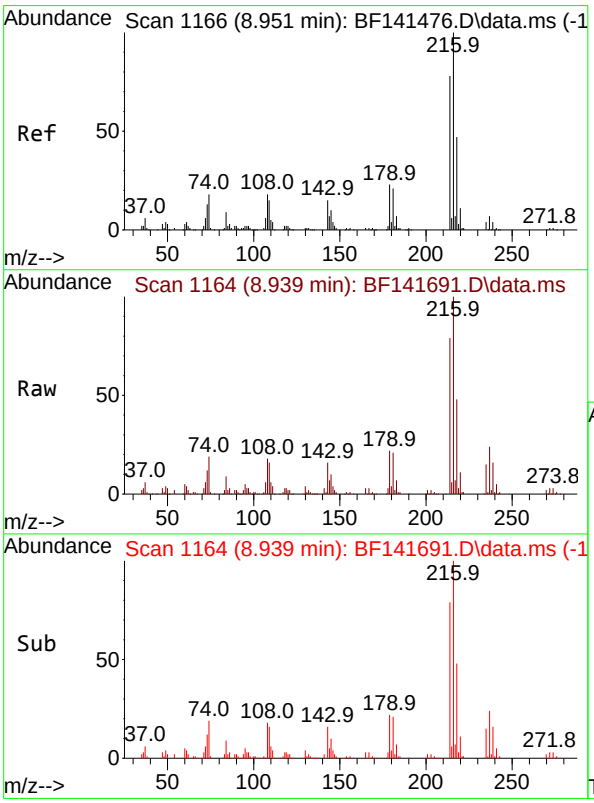
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	44.4	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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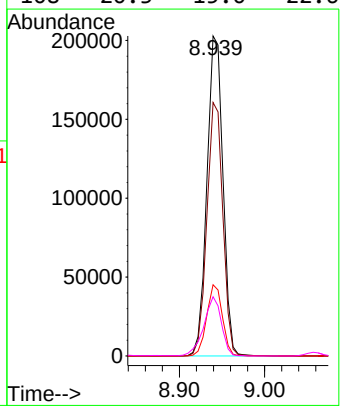
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

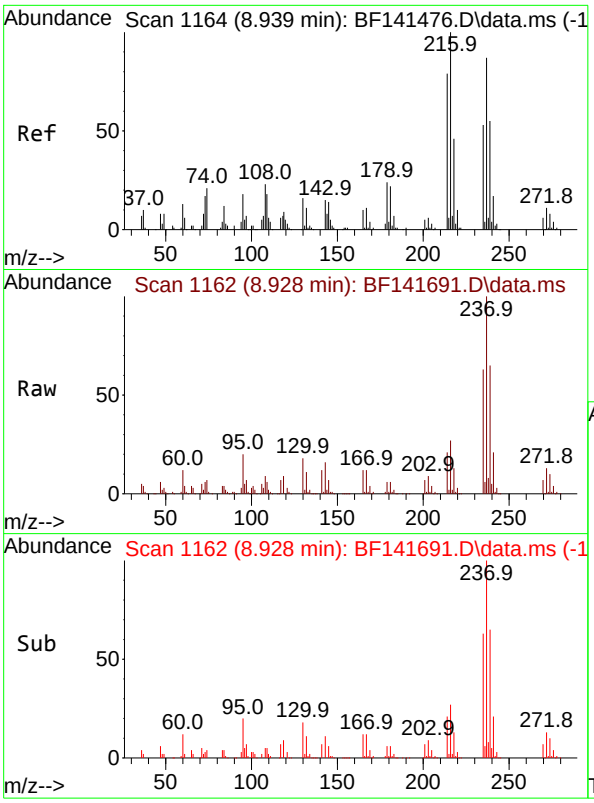


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.784 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:216 Resp: 264867

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.3	93.5
179	21.7	18.0	27.0
108	20.3	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 126.824 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

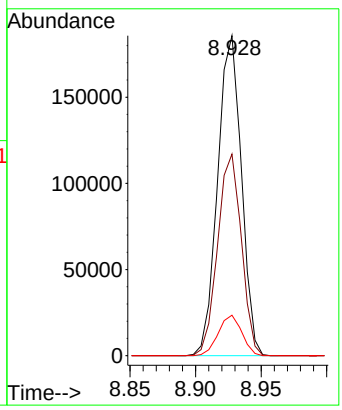
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

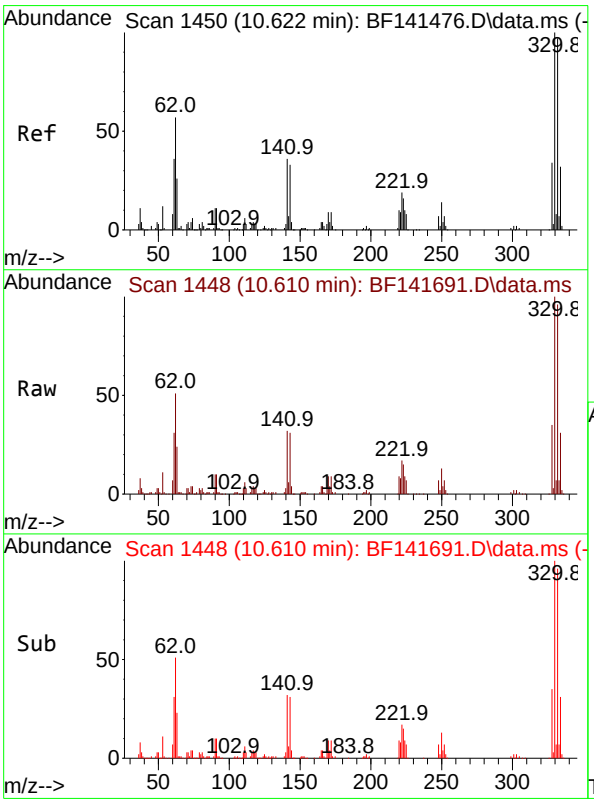
Tgt Ion:237 Resp: 23382

Ion	Ratio	Lower	Upper
237	100		
235	63.0	41.4	81.4
272	12.7	0.0	32.4

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

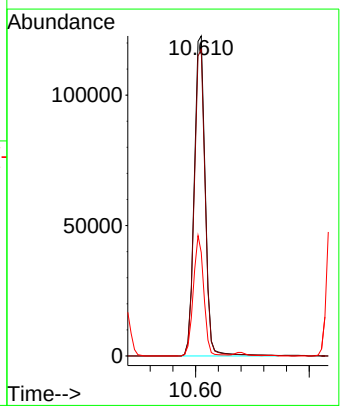


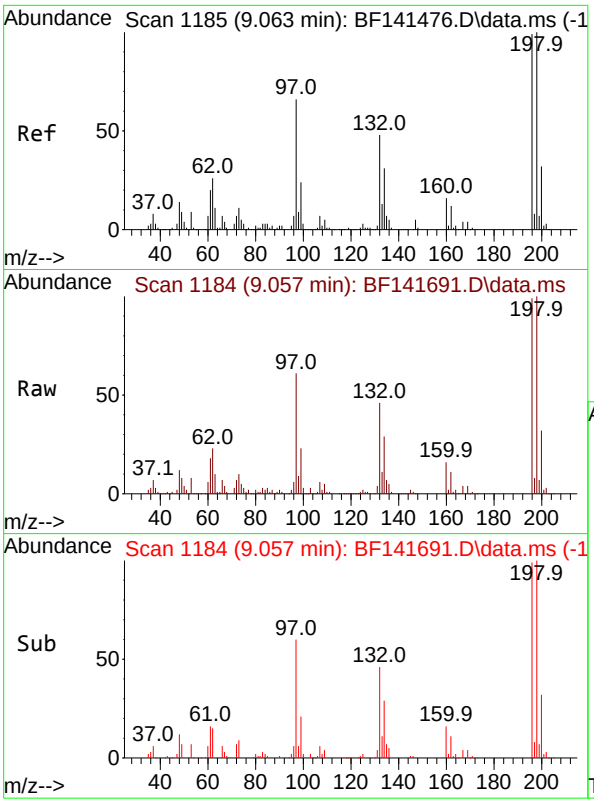


#42
2,4,6-Tribromophenol
Concen: 85.794 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:330 Resp: 165124

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.5	117.7
141	36.0	31.0	46.4

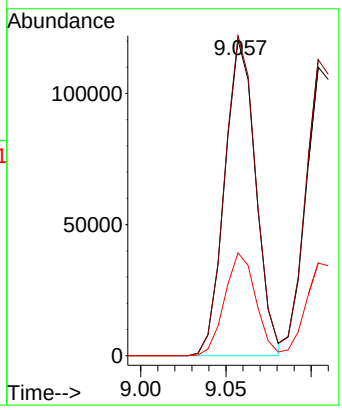




#43
2,4,6-Trichlorophenol
Concen: 42.485 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:196 Resp: 15220

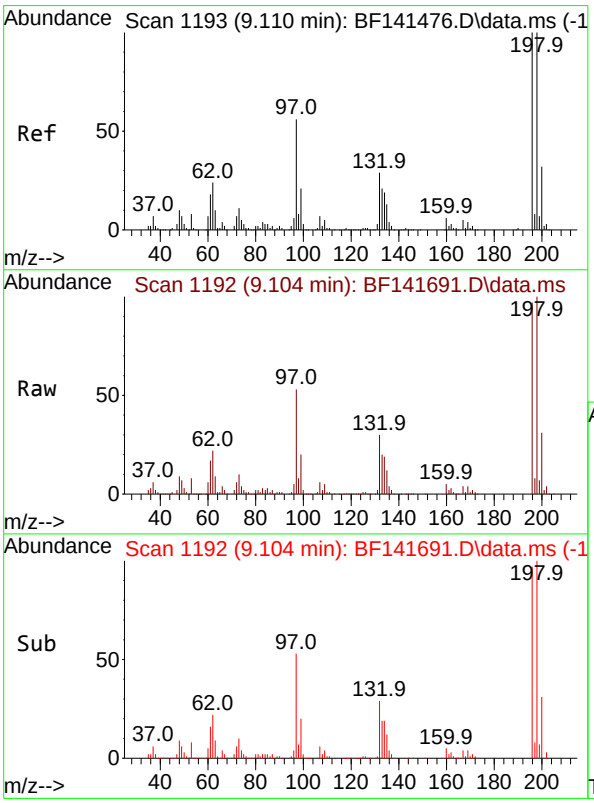
Ion	Ratio	Lower	Upper
196	100		
198	101.4	80.6	121.0
200	32.6	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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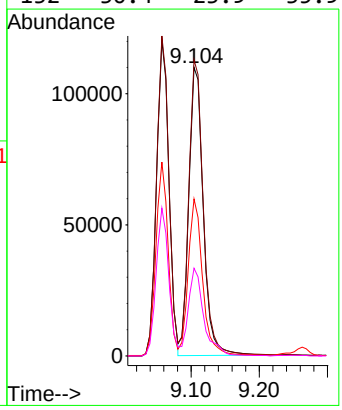
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

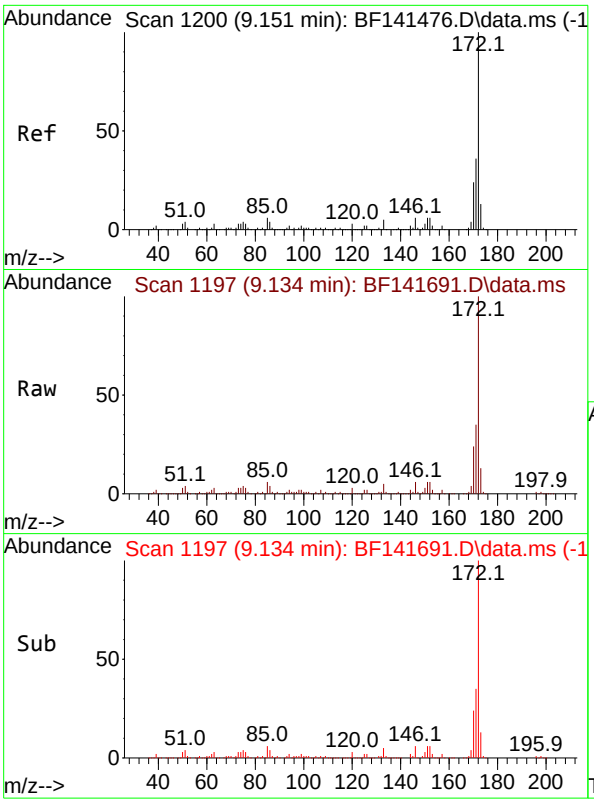


#44
2,4,5-Trichlorophenol
Concen: 41.481 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:196 Resp: 161058

Ion	Ratio	Lower	Upper
196	100		
198	102.7	79.8	119.8
97	54.4	44.8	67.2
132	30.4	23.9	35.9

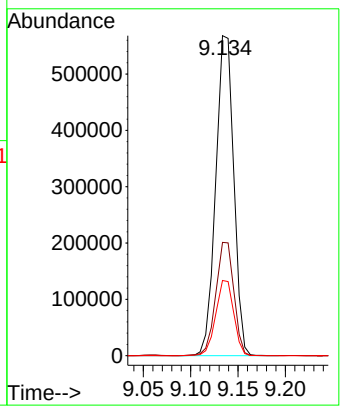




#45
2-Fluorobiphenyl
Concen: 60.625 ng
RT: 9.134 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:172 Resp: 75392

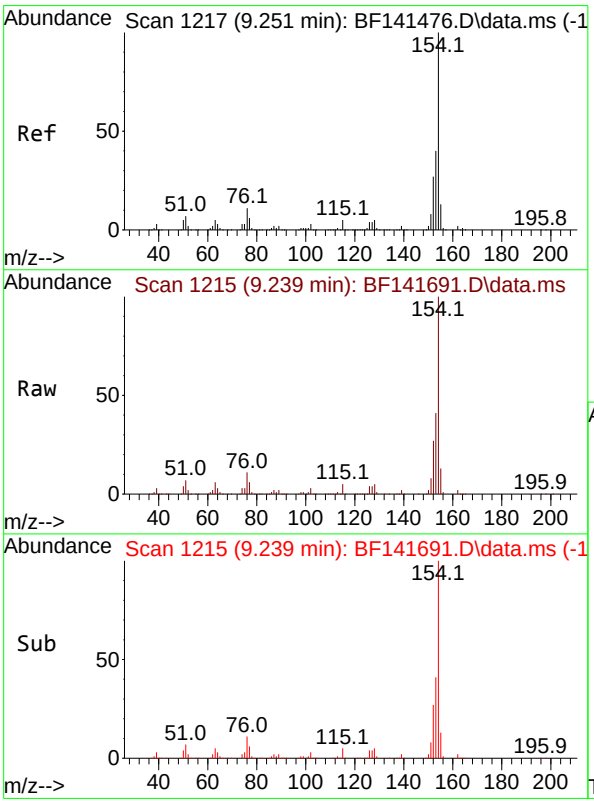
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.5	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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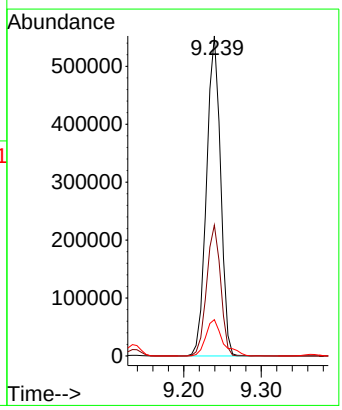
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

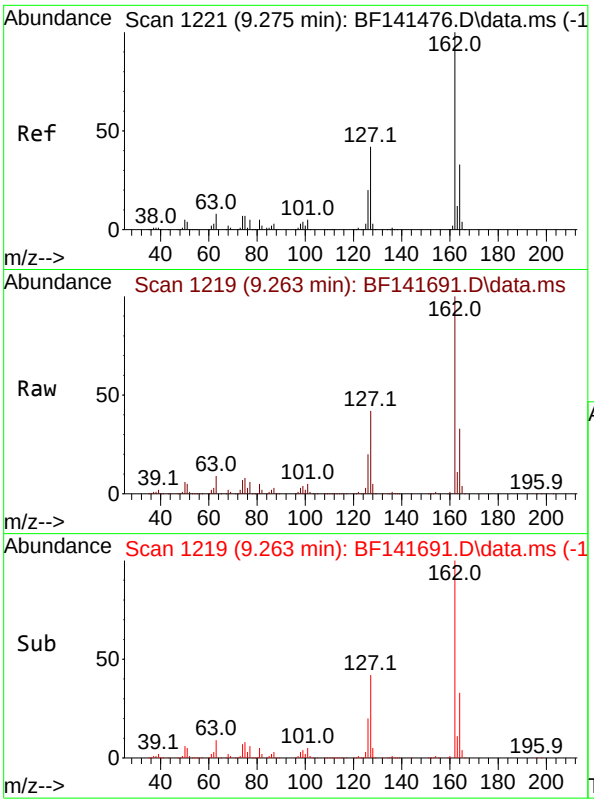


#46
1,1'-Biphenyl
Concen: 46.810 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:154 Resp: 695306

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.4	60.4
76	11.4	0.0	30.8

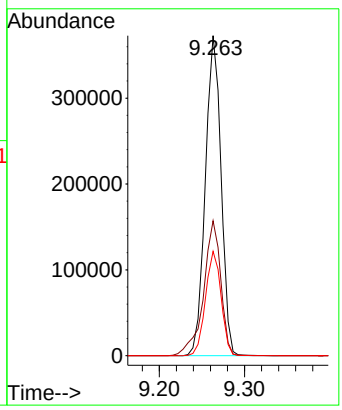




#47
2-Chloronaphthalene
Concen: 43.511 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:162 Resp: 47793

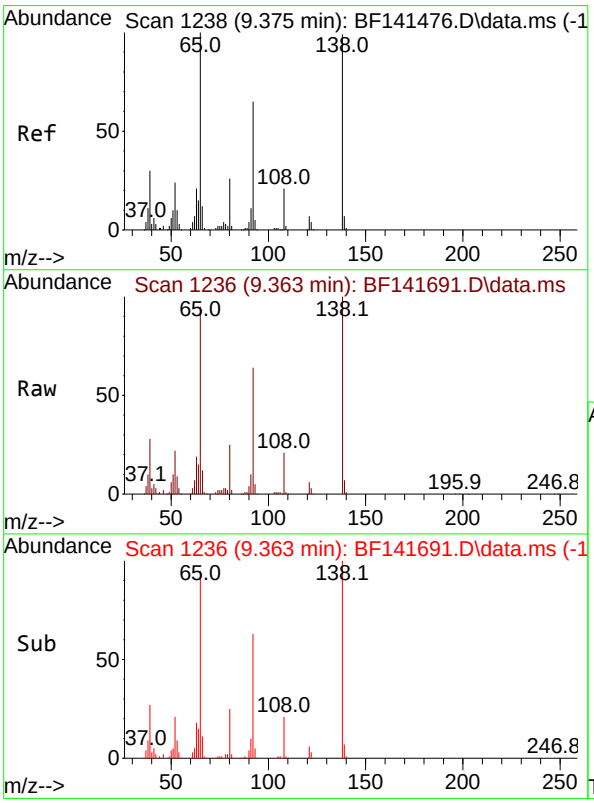
Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.1	51.1
164	32.6	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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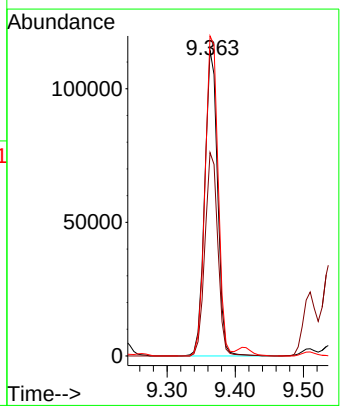
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

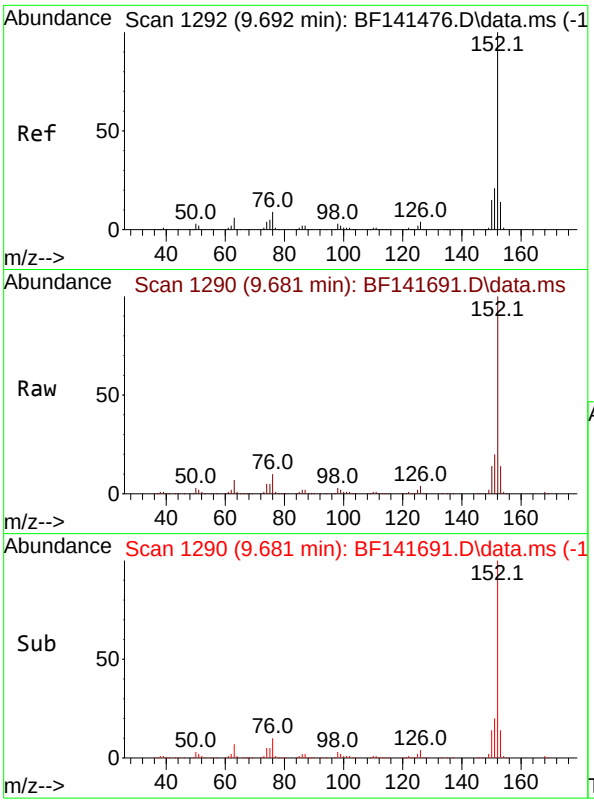


#48
2-Nitroaniline
Concen: 40.886 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 65 Resp: 150715

Ion	Ratio	Lower	Upper
65	100		
92	66.6	52.2	78.2
138	104.8	79.5	119.3

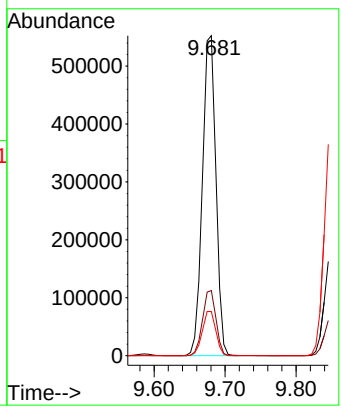




#49
Acenaphthylene
Concen: 44.887 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:152 Resp: 73334

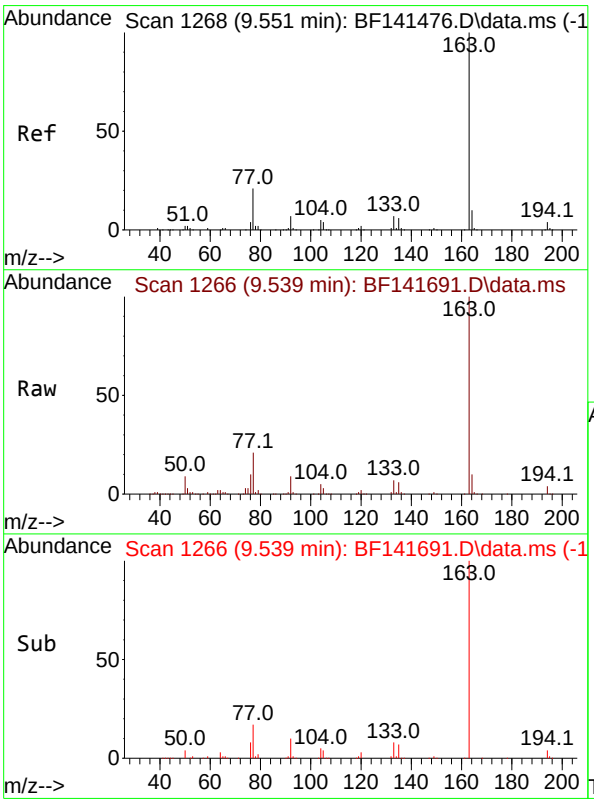
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.8	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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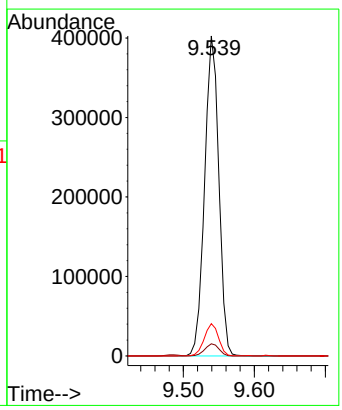
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

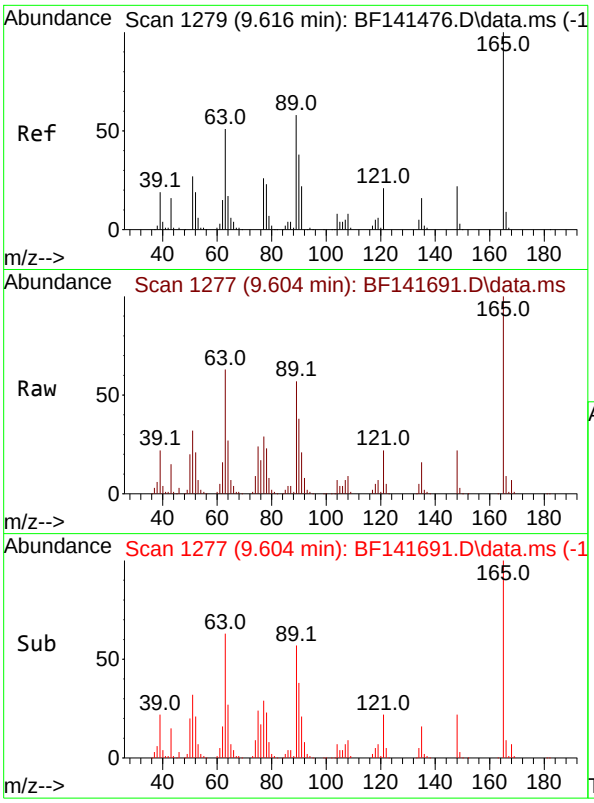


#50
Dimethylphthalate
Concen: 43.075 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:163 Resp: 560273

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: 43.494 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

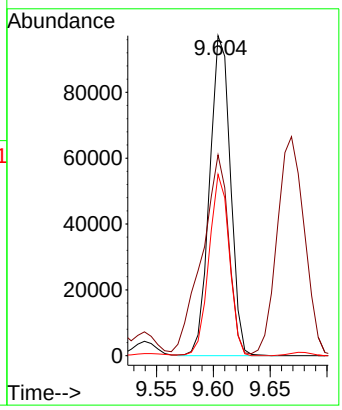
Tgt Ion:165 Resp: 12367

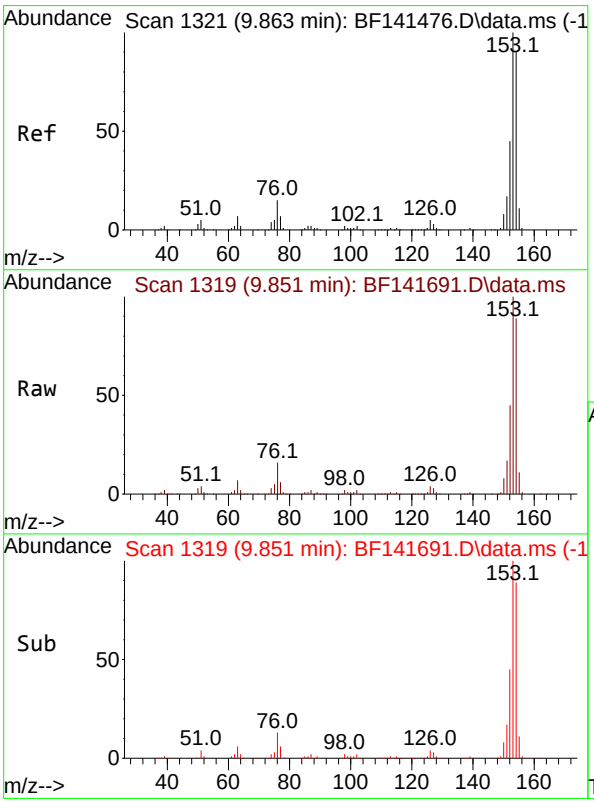
Ion	Ratio	Lower	Upper
165	100		
63	62.7	49.4	74.0
89	56.6	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

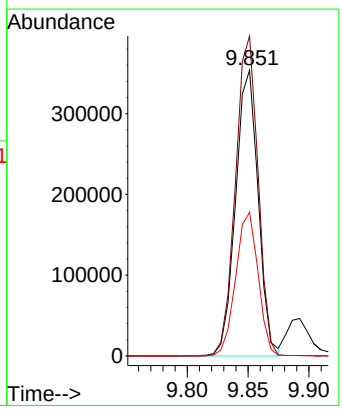


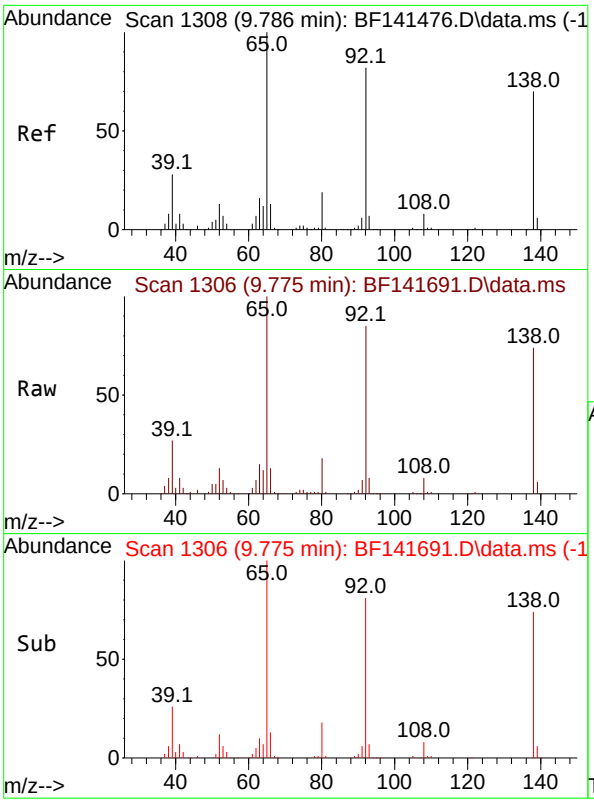


#52
Acenaphthene
Concen: 41.567 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:154 Resp: 456548

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.2	133.8
152	50.3	39.8	59.8





#53
3-Nitroaniline
Concen: 21.517 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

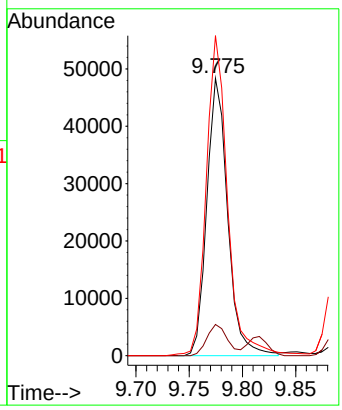
Tgt Ion:138 Resp: 6584

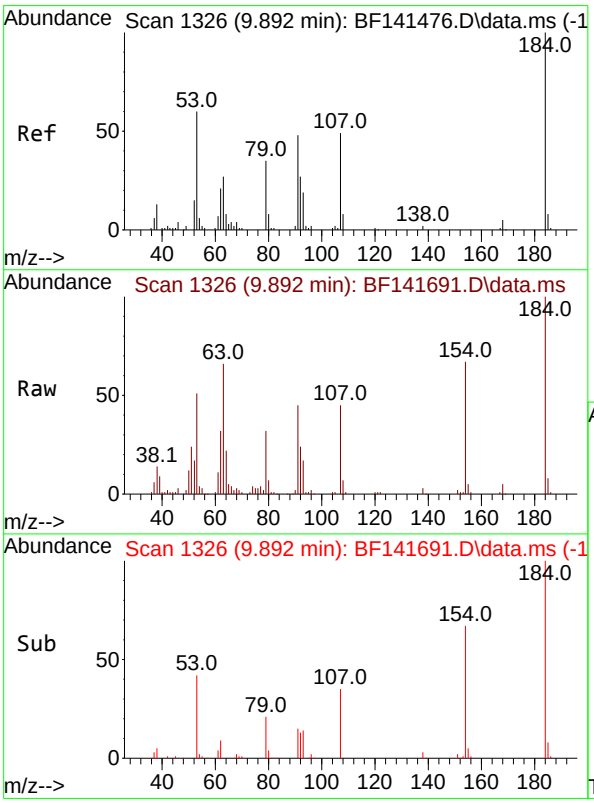
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	115.4	93.7	140.5

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

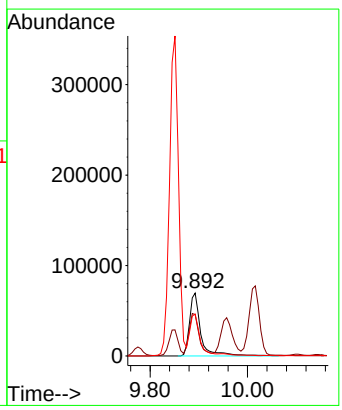


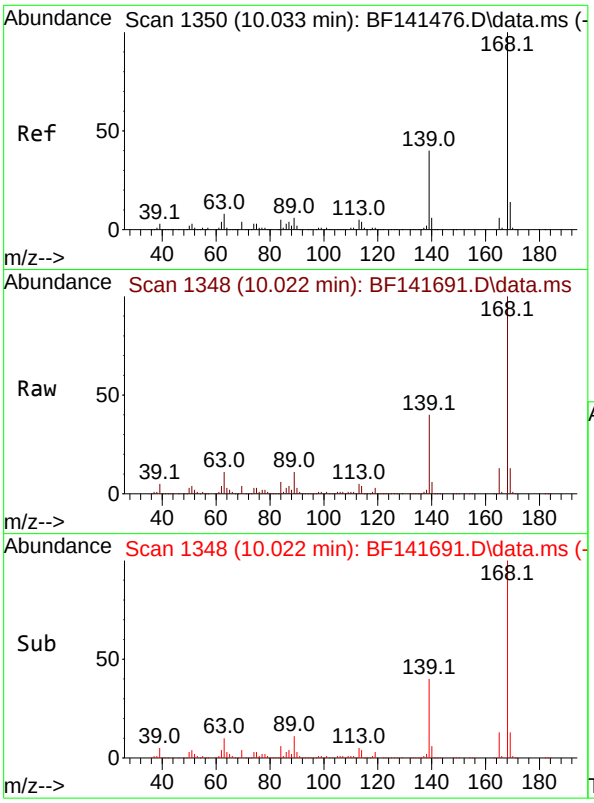


#54
2,4-Dinitrophenol
Concen: 66.168 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:184 Resp: 111818

Ion	Ratio	Lower	Upper
184	100		
63	65.8	61.0	91.6
154	66.6	59.9	89.9

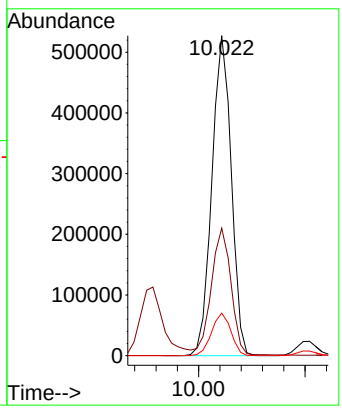




#55
Dibenzofuran
Concen: 41.259 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:168 Resp: 66517

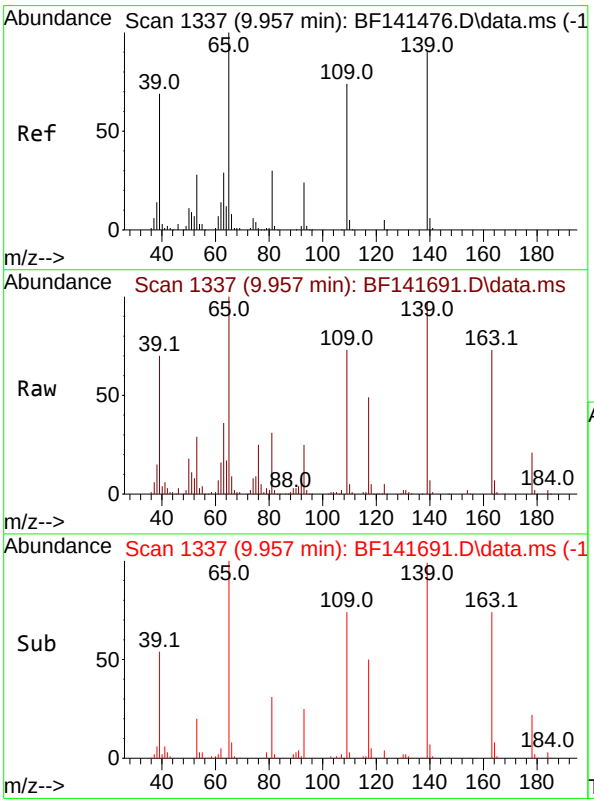
Ion	Ratio	Lower	Upper
168	100		
139	39.9	32.7	49.1
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

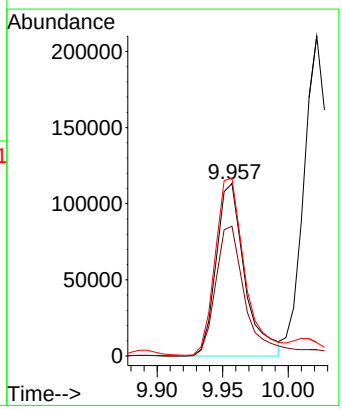
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

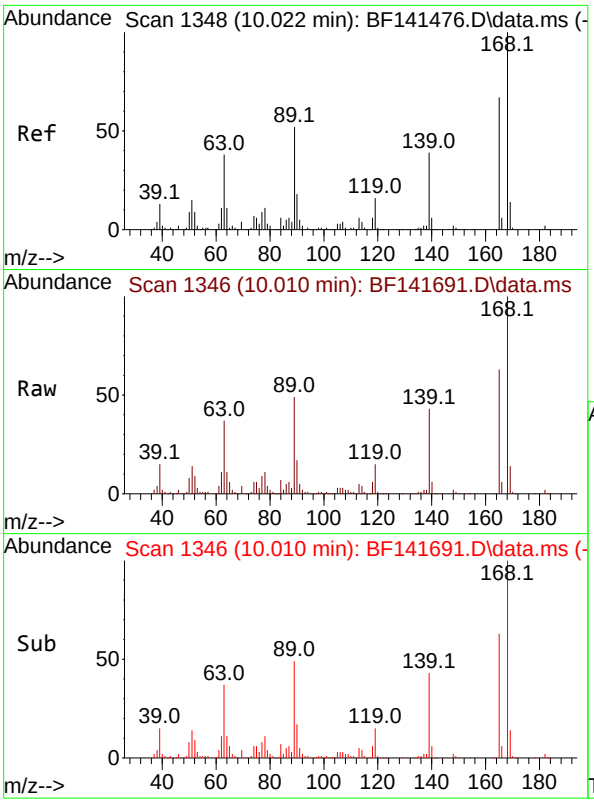


#56
4-Nitrophenol
Concen: 75.307 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:139 Resp: 171082

Ion	Ratio	Lower	Upper
139	100		
109	75.2	62.0	102.0
65	103.2	91.2	131.2

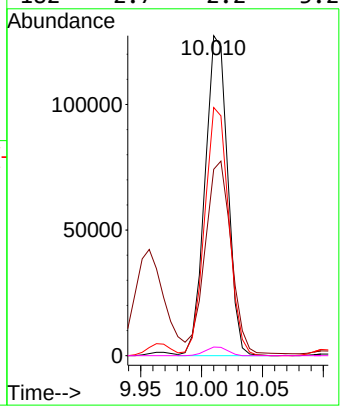




#57
2,4-Dinitrotoluene
Concen: 43.593 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:165 Resp: 16500

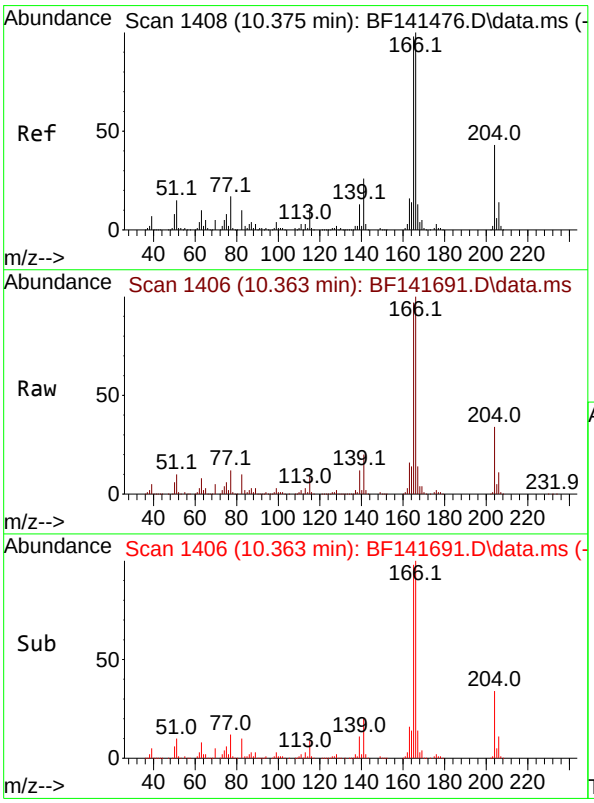
Ion	Ratio	Lower	Upper
165	100		
63	58.3	46.4	69.6
89	77.5	61.8	92.6
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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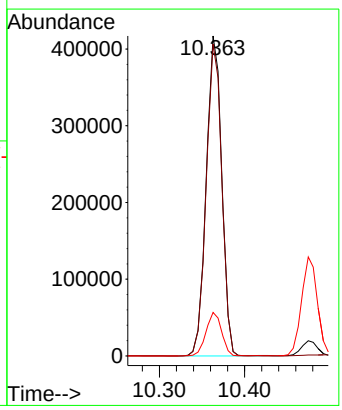
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

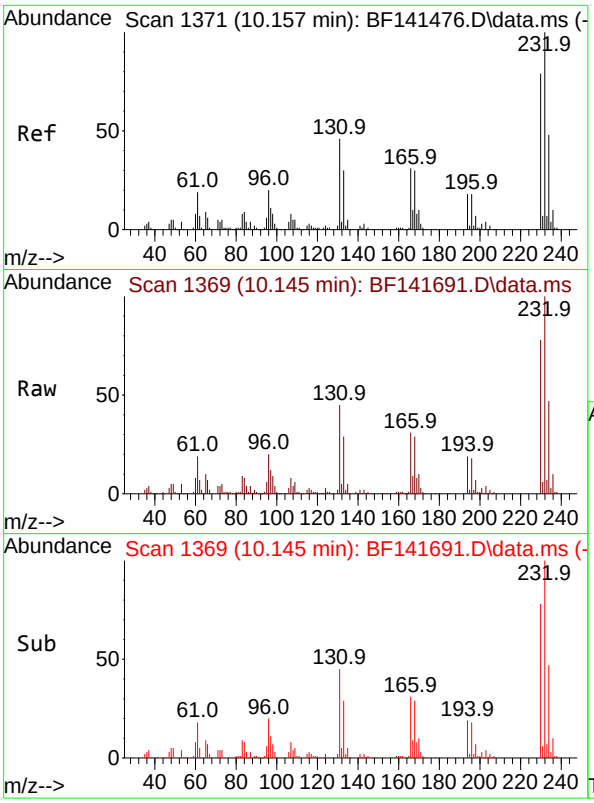


#58
Fluorene
Concen: 42.384 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:166 Resp: 528335

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.6	10.7	16.1

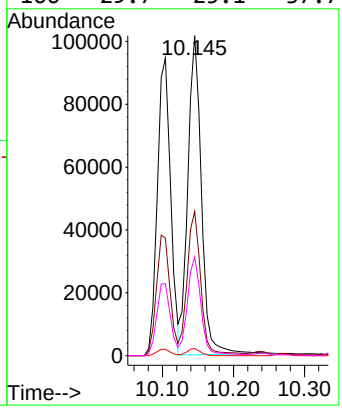




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.597 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:232 Resp: 13570

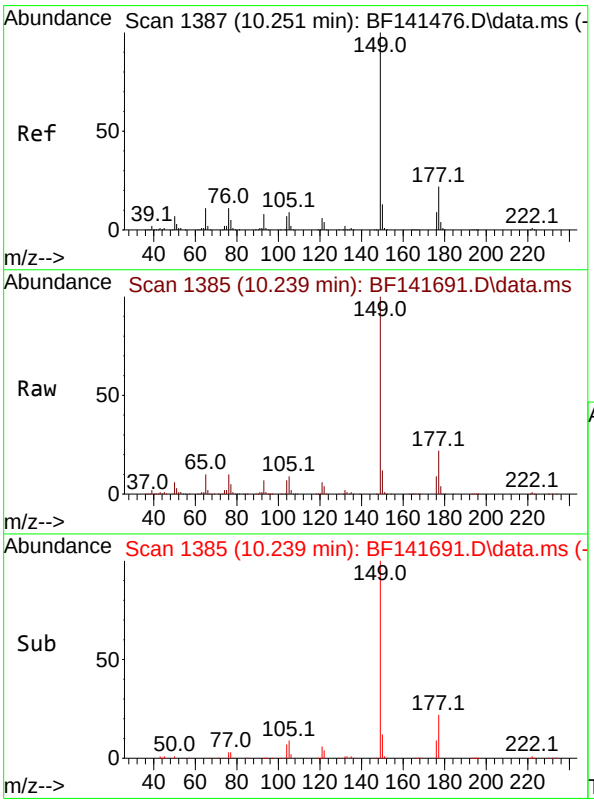
Ion	Ratio	Lower	Upper
232	100		
131	43.8	39.2	58.8
130	2.2	2.1	3.1
166	29.7	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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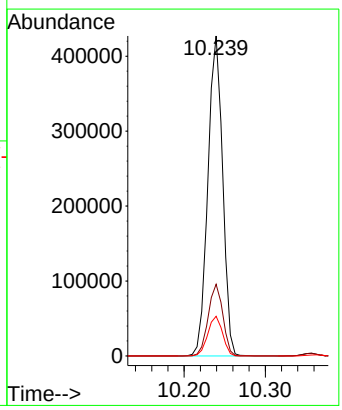
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

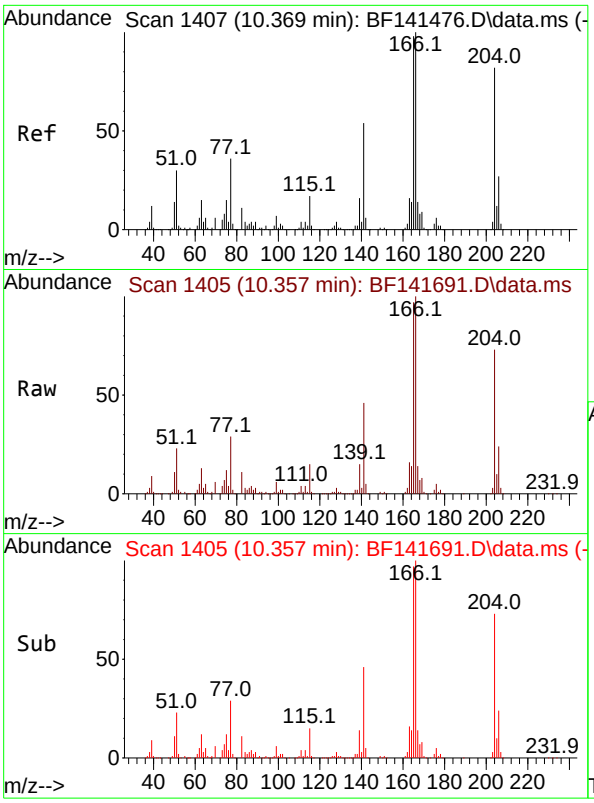


#60
Diethylphthalate
Concen: 41.988 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 537334

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.147 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

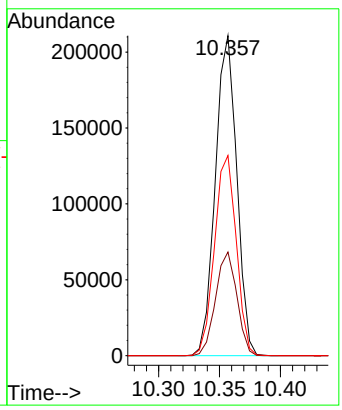
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

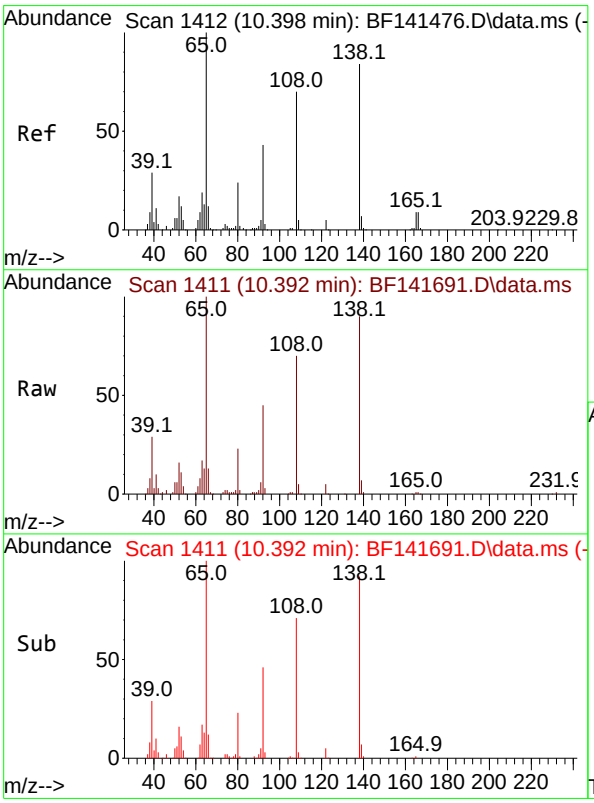
Tgt Ion:204 Resp: 25875

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	62.6	51.9	77.9

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

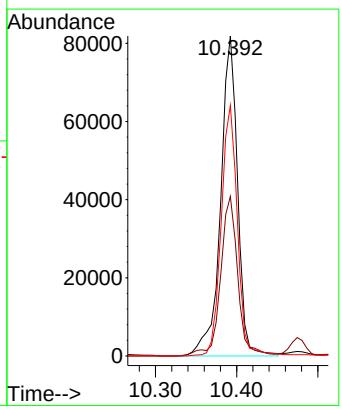


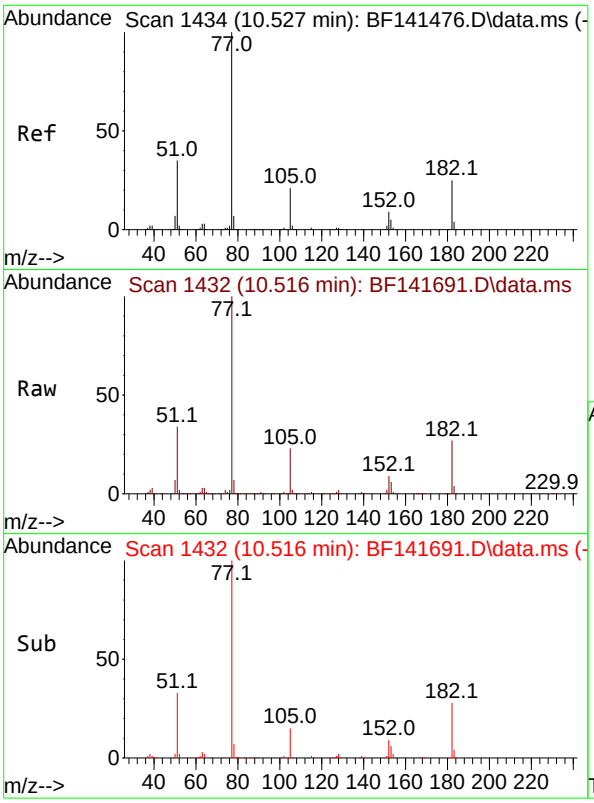


#62
4-Nitroaniline
Concen: 38.467 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:138 Resp: 119535

Ion	Ratio	Lower	Upper
138	100		
92	49.8	31.3	71.3
108	78.3	63.7	103.7

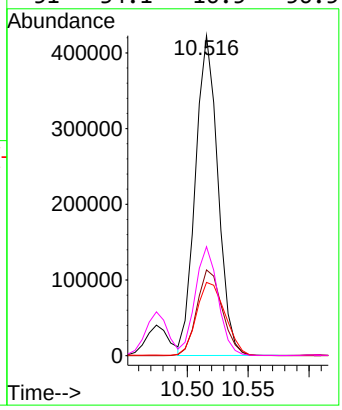




#63
Azobenzene
Concen: 42.642 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 77 Resp: 54249

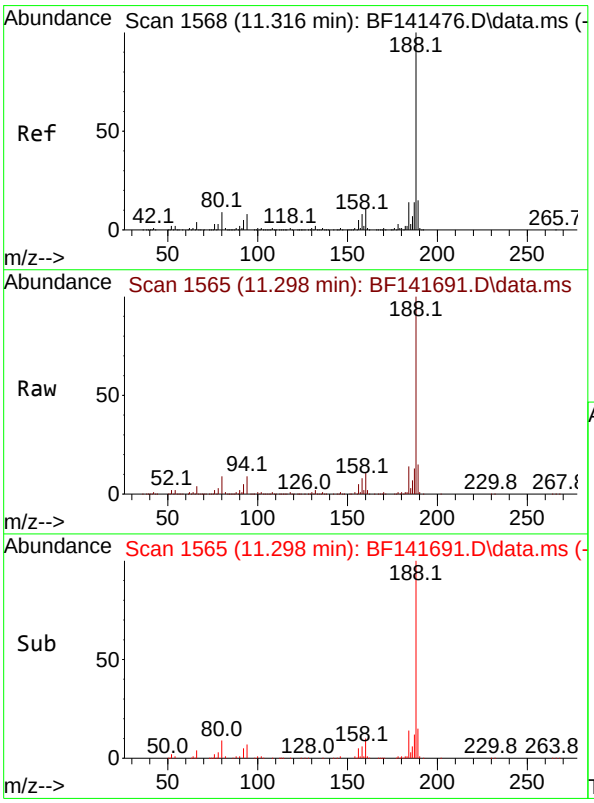
Ion	Ratio	Lower	Upper
77	100		
182	26.8	4.7	44.7
105	22.9	0.4	40.4
51	34.1	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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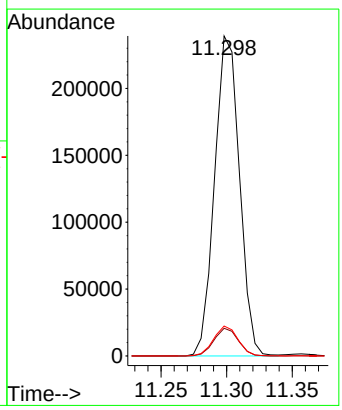
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

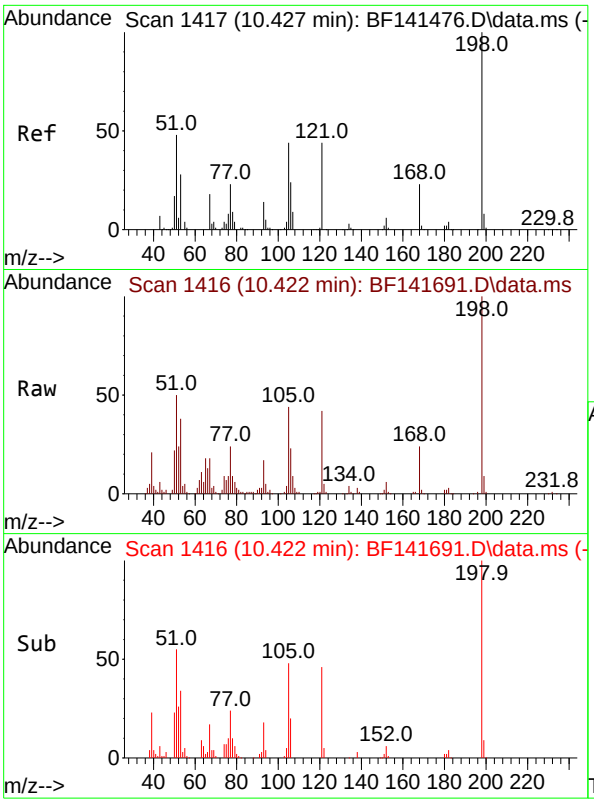


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:188 Resp: 315237

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 36.068 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

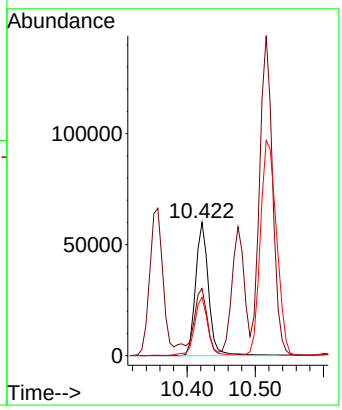
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

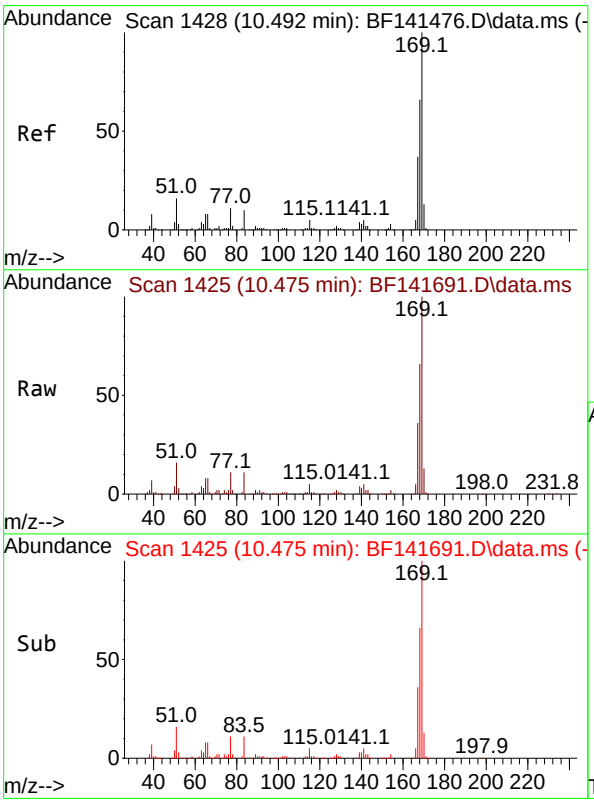
Tgt Ion:198 Resp: 7898

Ion	Ratio	Lower	Upper
198	100		
51	50.5	37.4	77.4
105	43.8	25.2	65.2

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

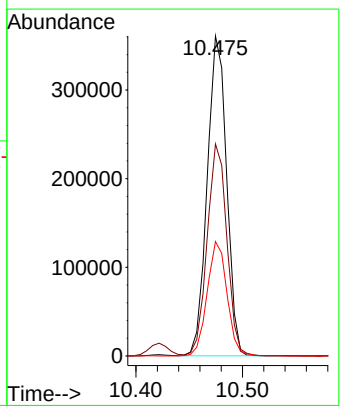


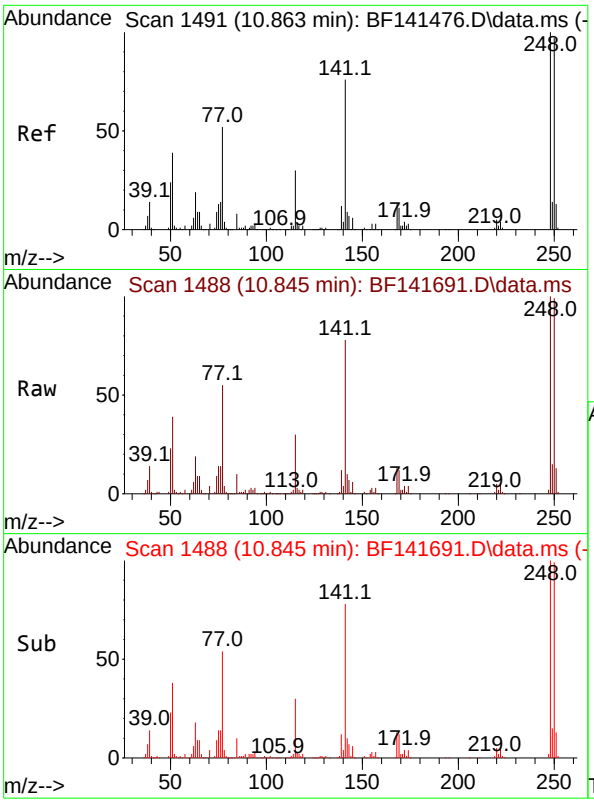


#66
n-Nitrosodiphenylamine
Concen: 45.272 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:169 Resp: 456846

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.3	79.9
167	35.8	29.4	44.2

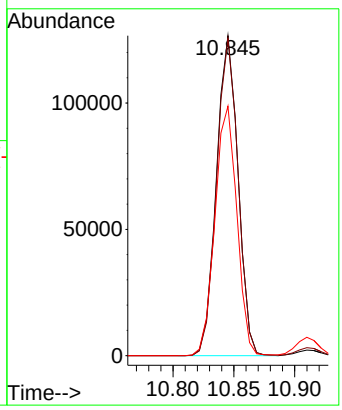




#67
4-Bromophenyl-phenylether
Concen: 44.442 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:248 Resp: 15657(

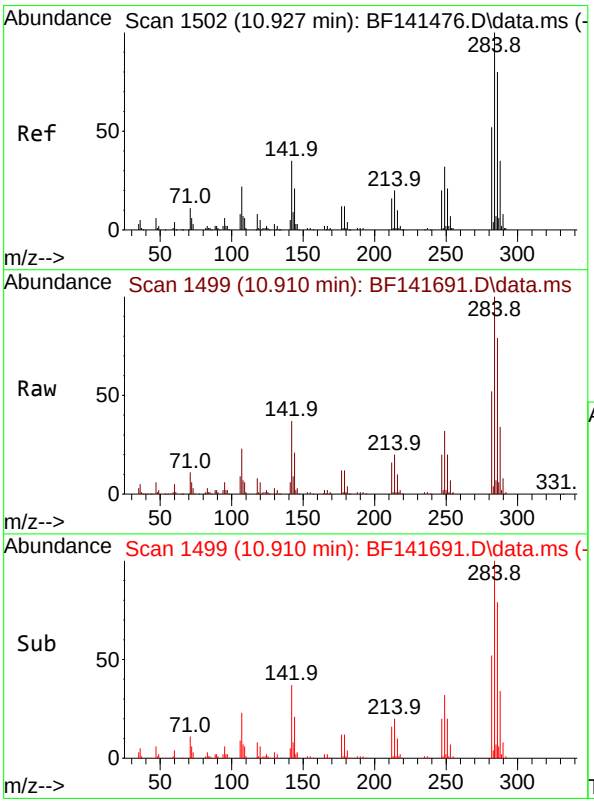
Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.8	116.6
141	78.0	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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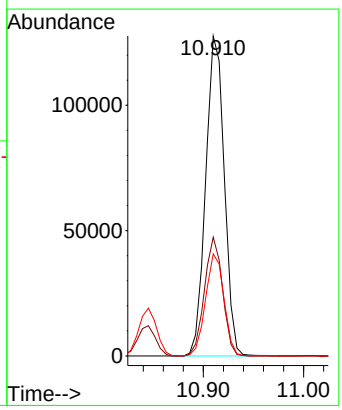
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

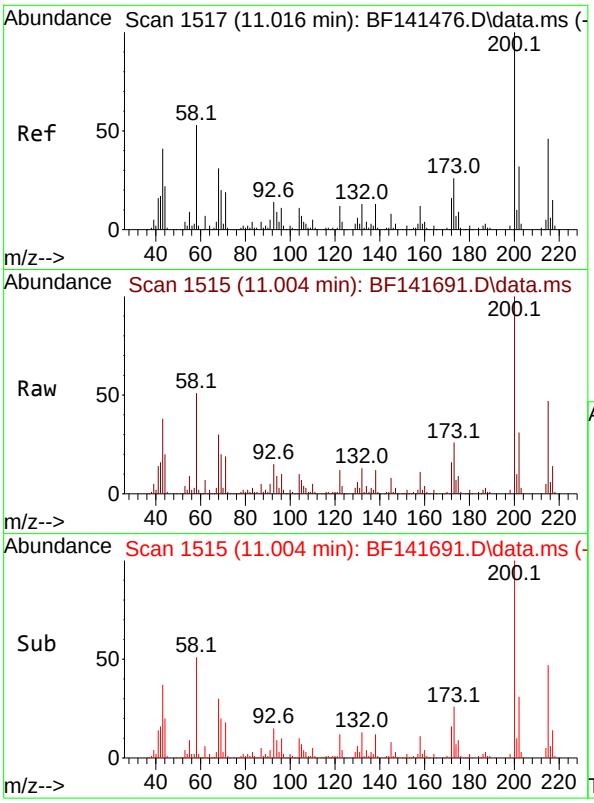


#68
Hexachlorobenzene
Concen: 45.439 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:284 Resp: 164848

Ion	Ratio	Lower	Upper
284	100		
142	37.1	28.0	42.0
249	31.9	25.8	38.8

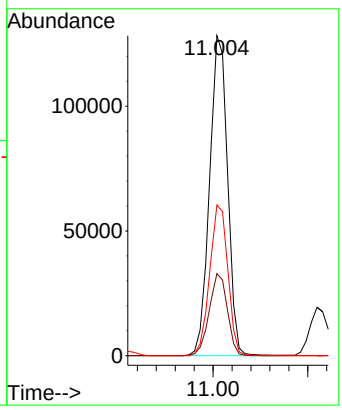




#69
Atrazine
Concen: 55.831 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:200 Resp: 16901

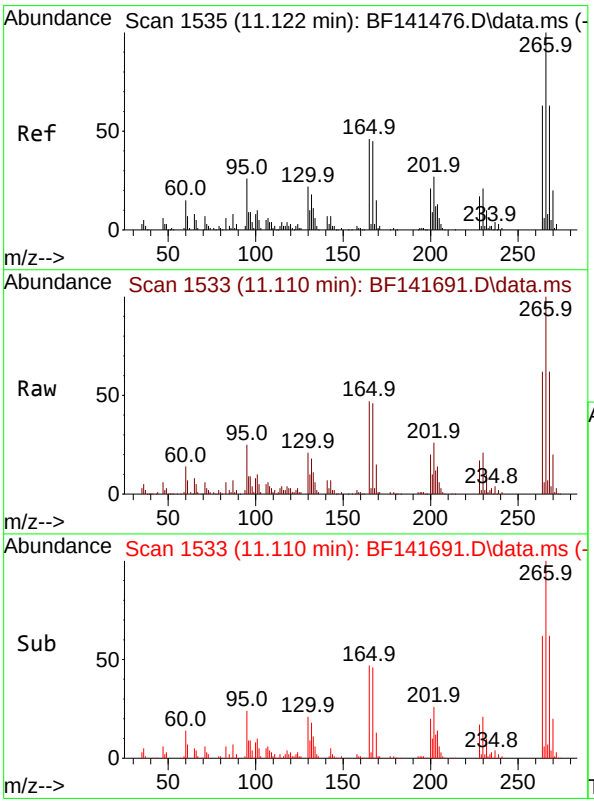
Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	47.1	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

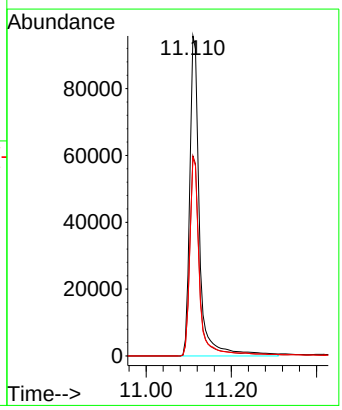
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

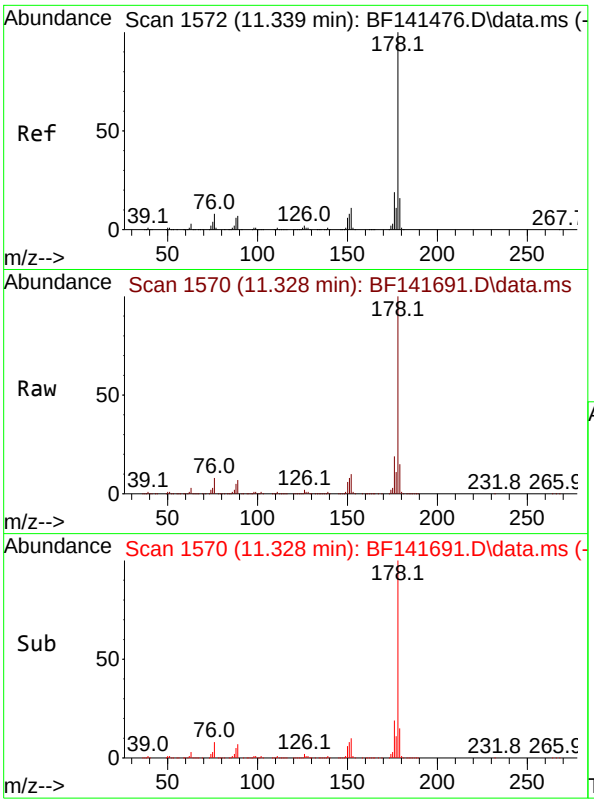


#70
Pentachlorophenol
Concen: 65.764 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:266 Resp: 152558

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.1	75.1
264	62.0	50.1	75.1

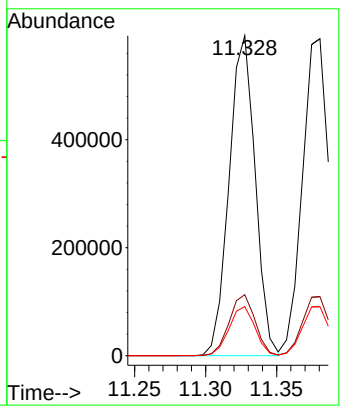




#71
Phenanthrene
Concen: 43.692 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:178 Resp: 75815

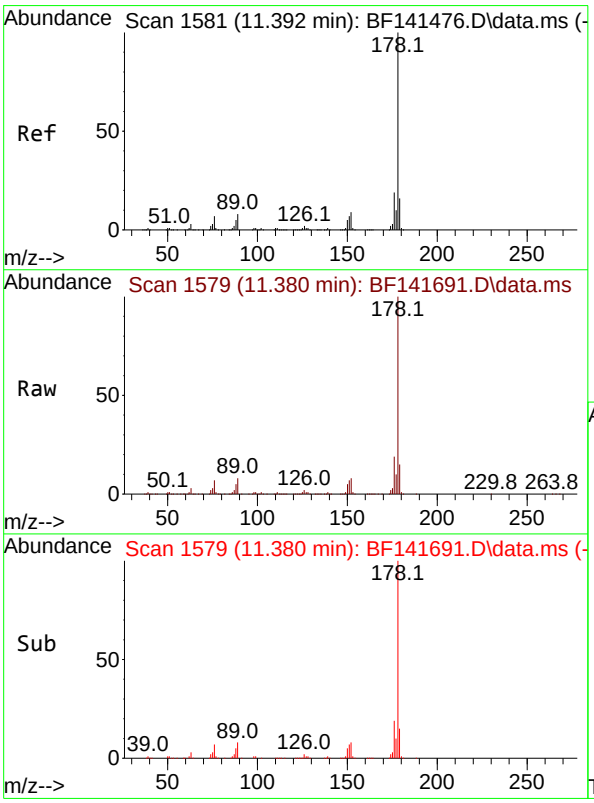
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

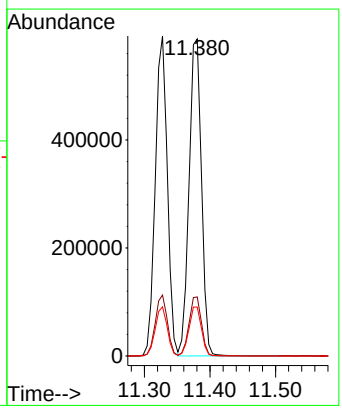
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

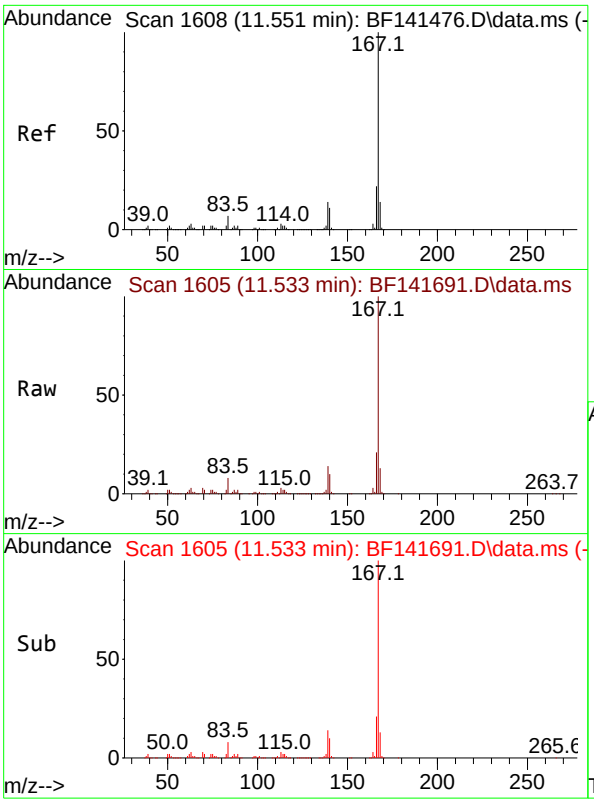


#72
Anthracene
Concen: 44.212 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:178 Resp: 771214

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.5	12.4	18.6

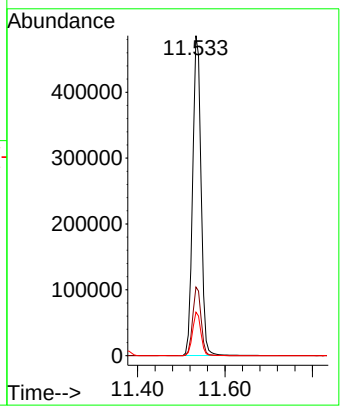




#73
Carbazole
Concen: 41.289 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:167 Resp: 64804

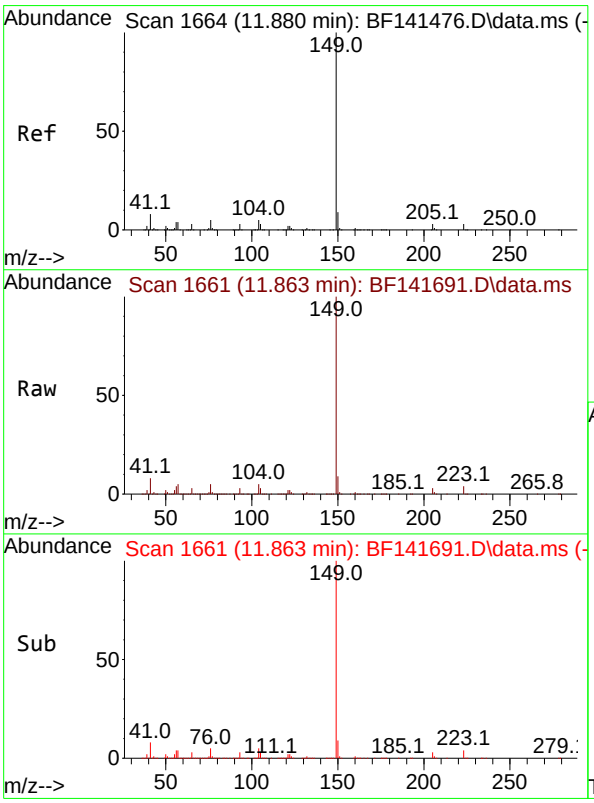
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

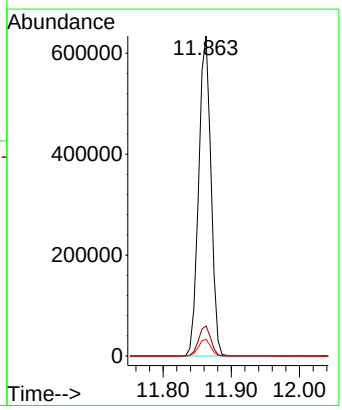
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

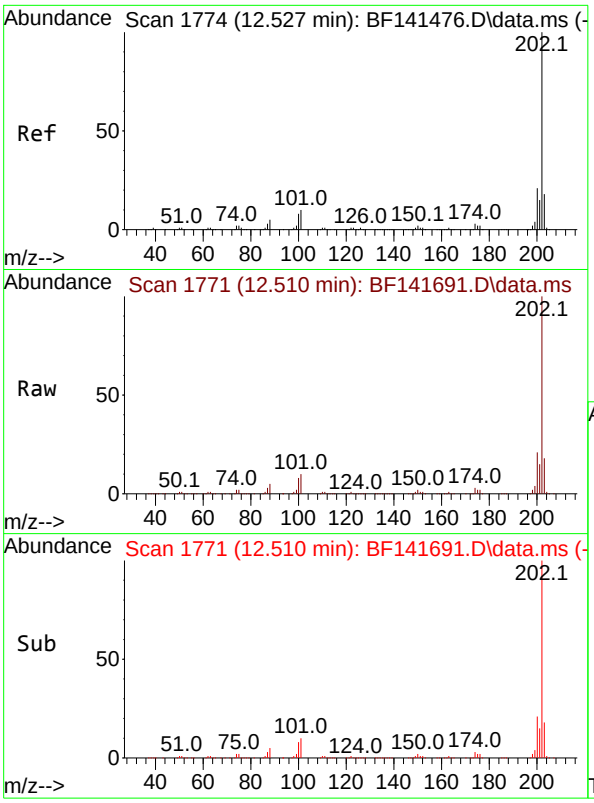


#74
Di-n-butylphthalate
Concen: 43.736 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 792615

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2

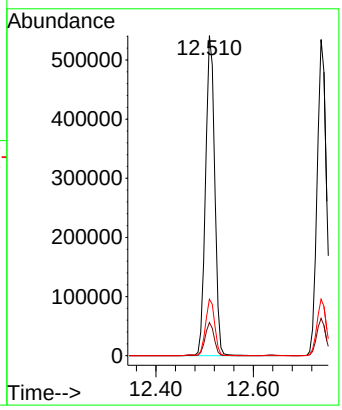




#75
Fluoranthene
Concen: 38.222 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:202 Resp: 70315

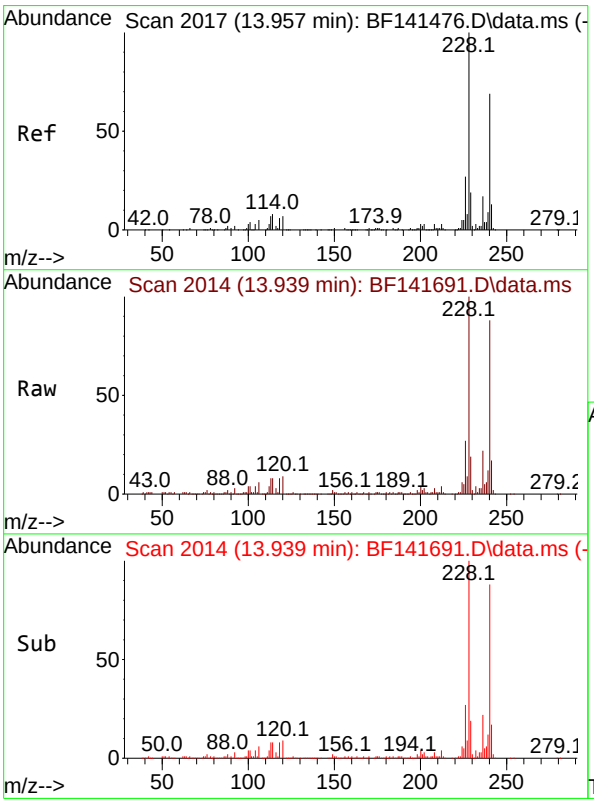
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.2
203	17.7	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

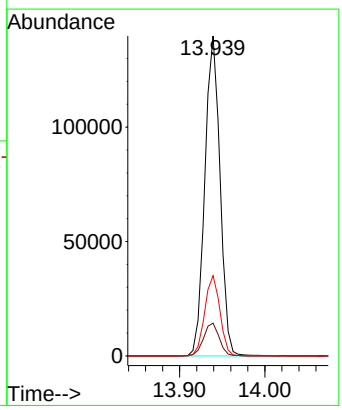
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

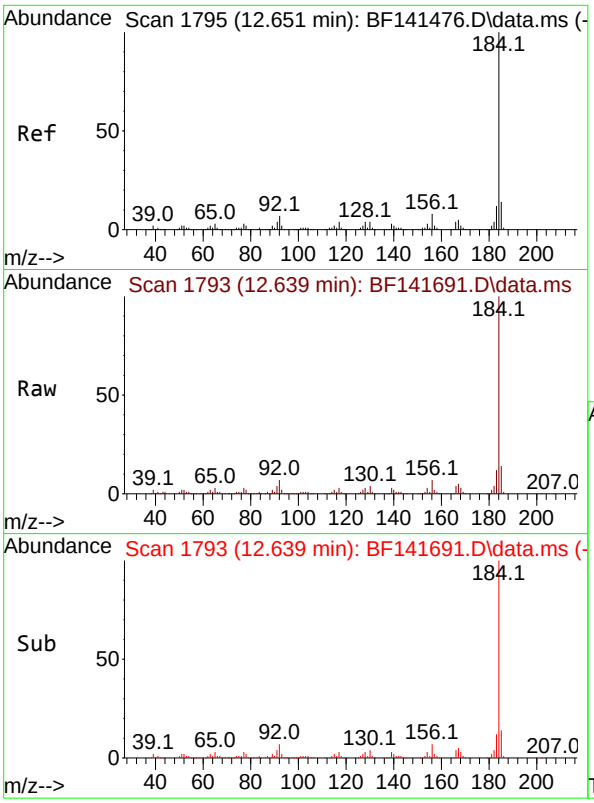


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:240 Resp: 173447

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.0	12.0
236	25.1	19.8	29.8

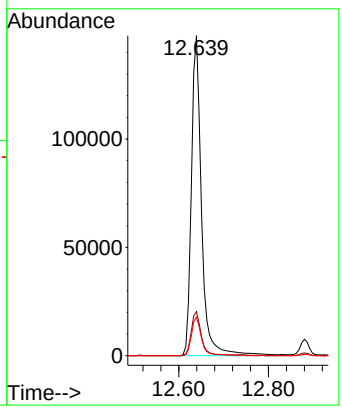




#77
Benzidine
Concen: 60.775 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:184 Resp: 23248

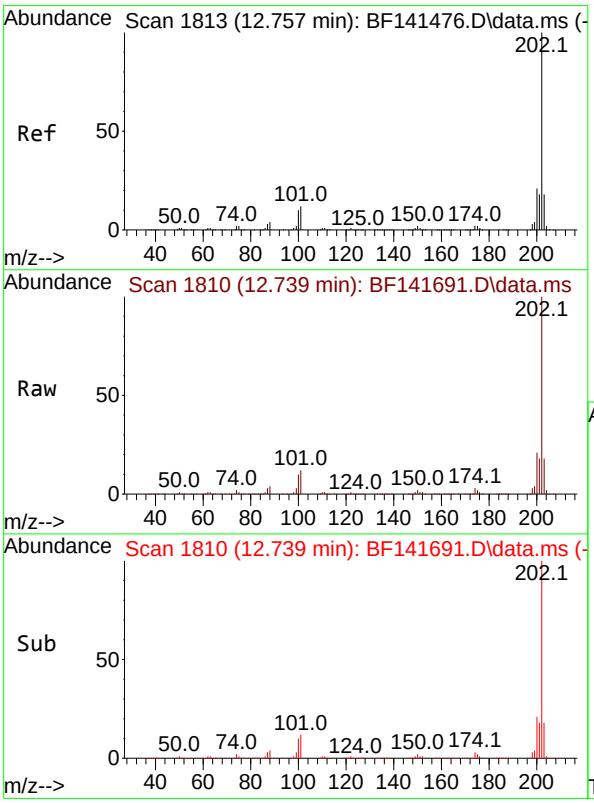
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.3	16.9
183	12.1	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

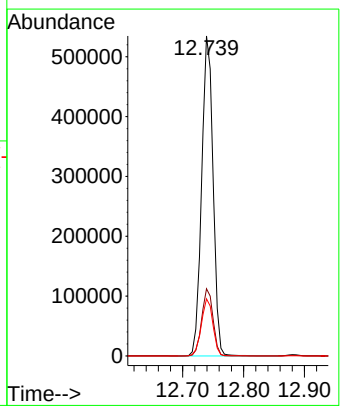
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

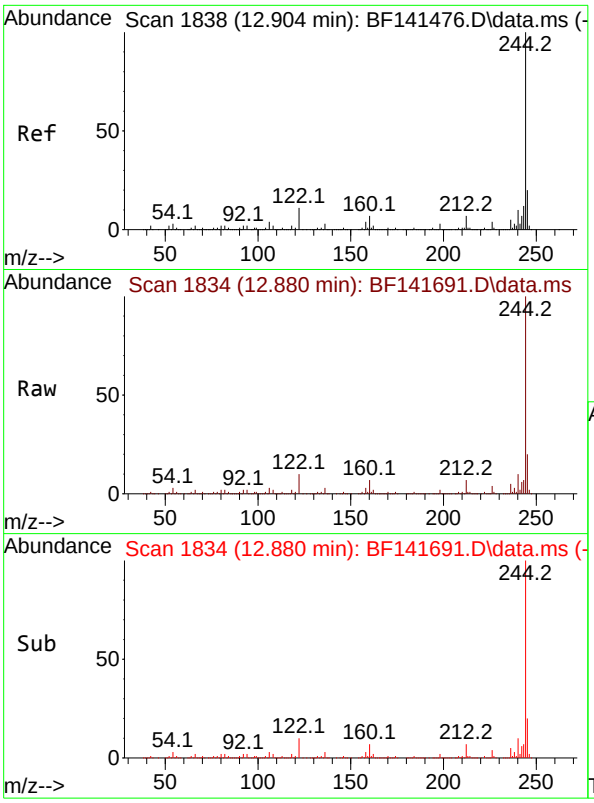


#78
Pyrene
Concen: 47.186 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:202 Resp: 696703

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.3	21.5

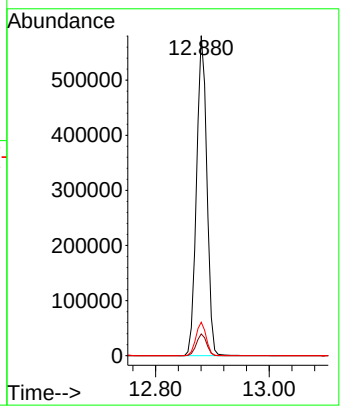




#79
Terphenyl-d14
Concen: 71.778 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:244 Resp: 73746

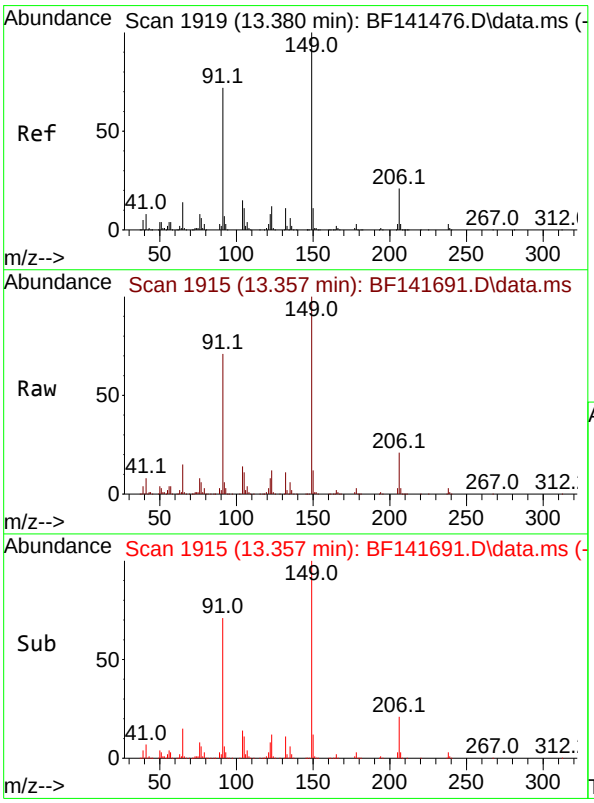
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

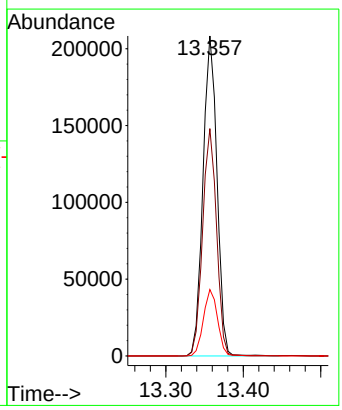
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

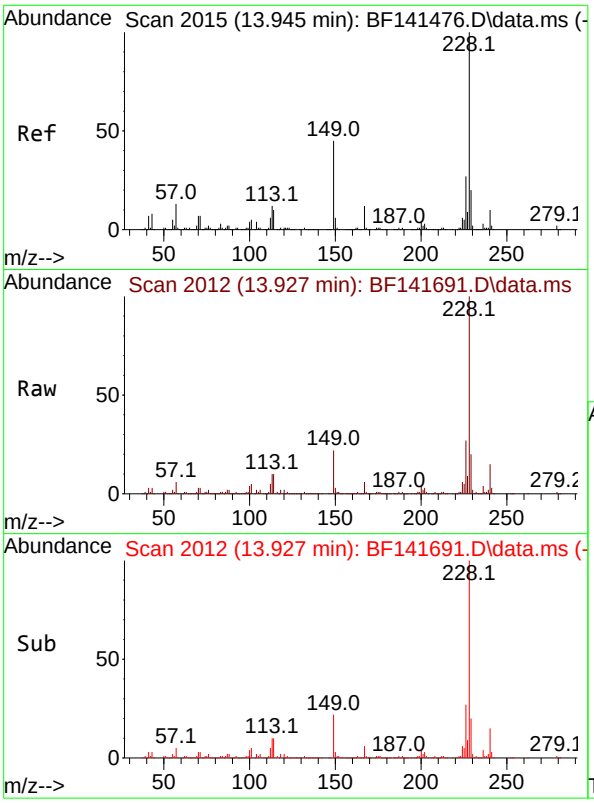


#80
Butylbenzylphthalate
Concen: 51.167 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 261679

Ion	Ratio	Lower	Upper
149	100		
91	71.1	57.8	86.8
206	20.7	16.7	25.1

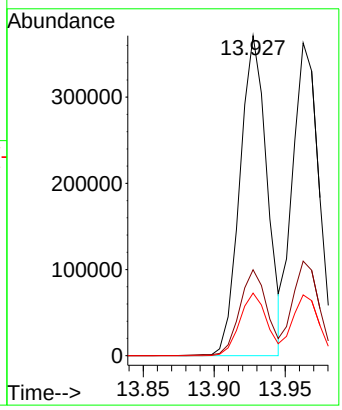




#81
Benzo(a)anthracene
Concen: 42.809 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:228 Resp: 49356

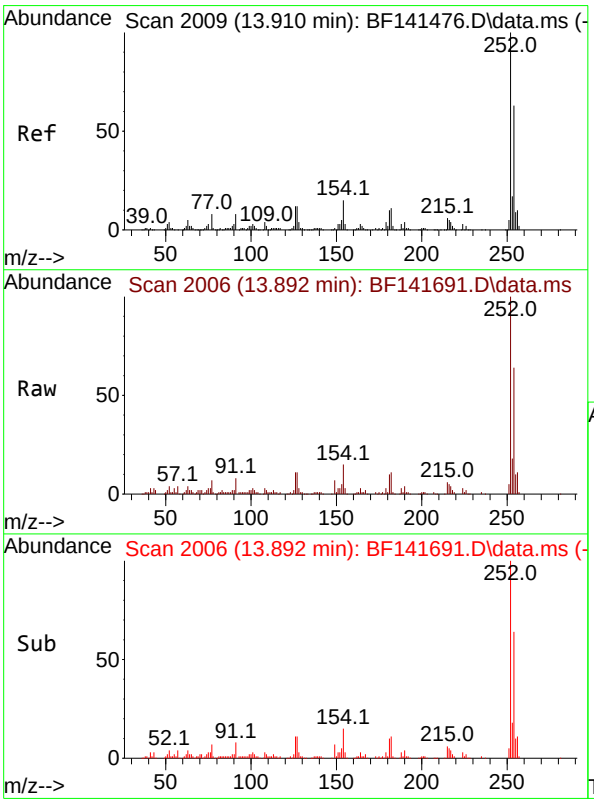
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

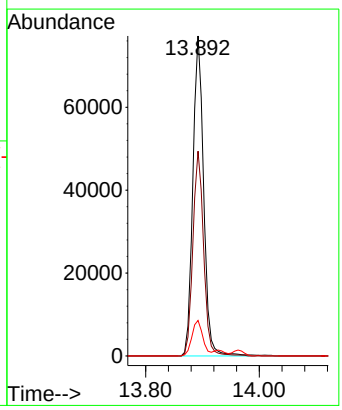
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

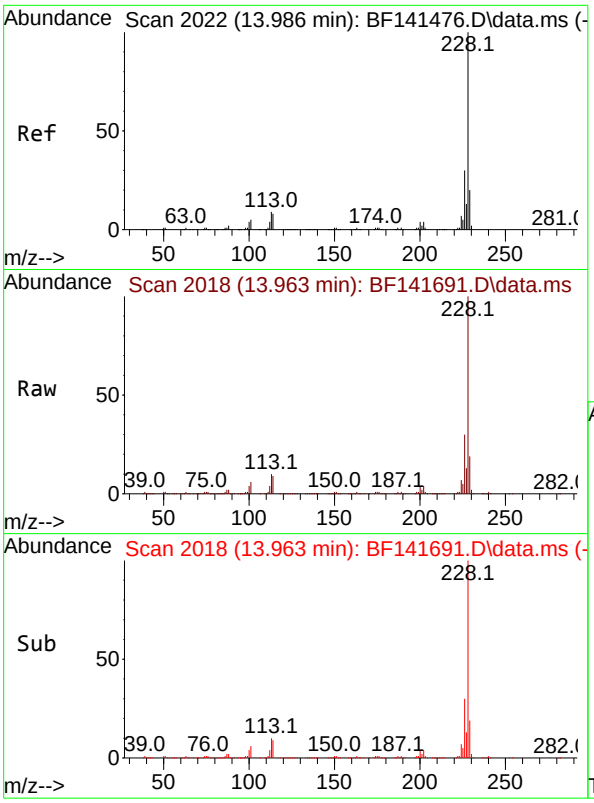


#82
3,3'-Dichlorobenzidine
Concen: 31.080 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:252 Resp: 102649

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.6	76.0
126	11.1	9.3	13.9

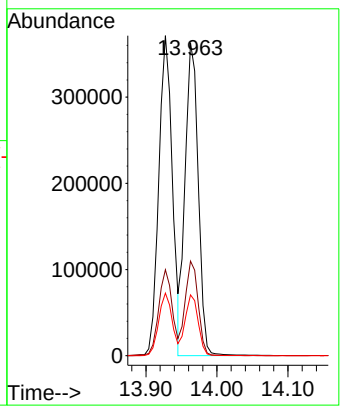




#83
Chrysene
Concen: 43.805 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:228 Resp: 46634

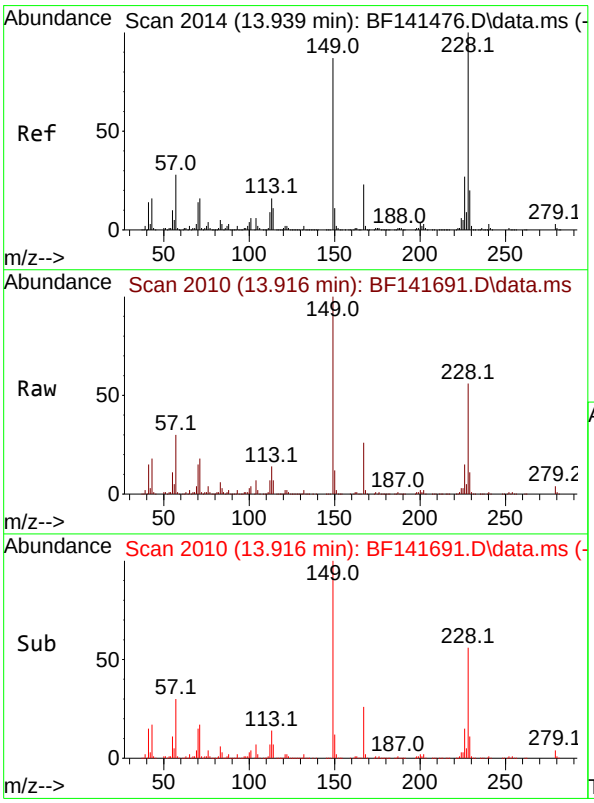
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.5	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

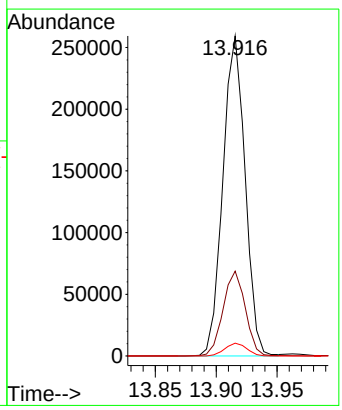
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

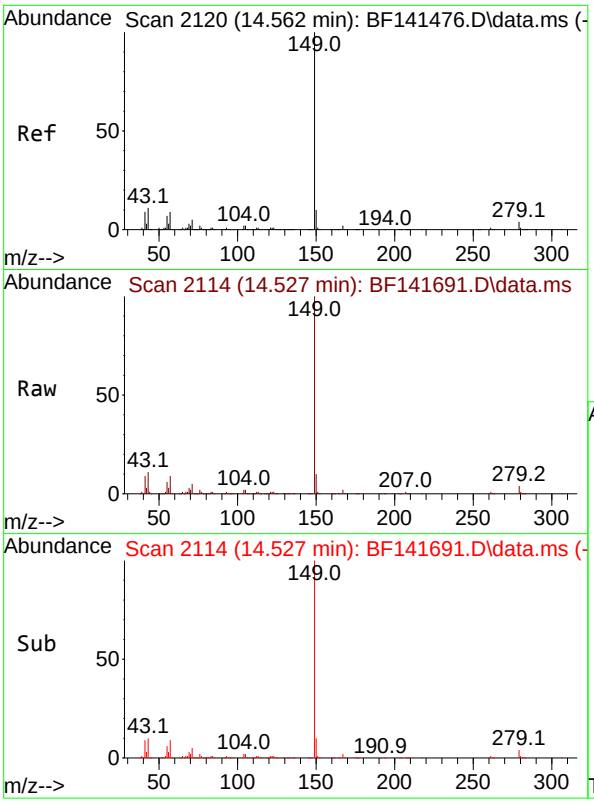


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.197 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 329913

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.0	3.1	4.7

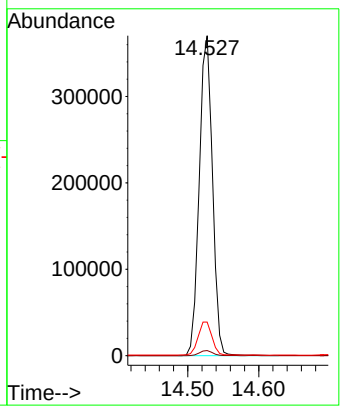




#85
Di-n-octyl phthalate
Concen: 58.294 ng
RT: 14.527 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 47967

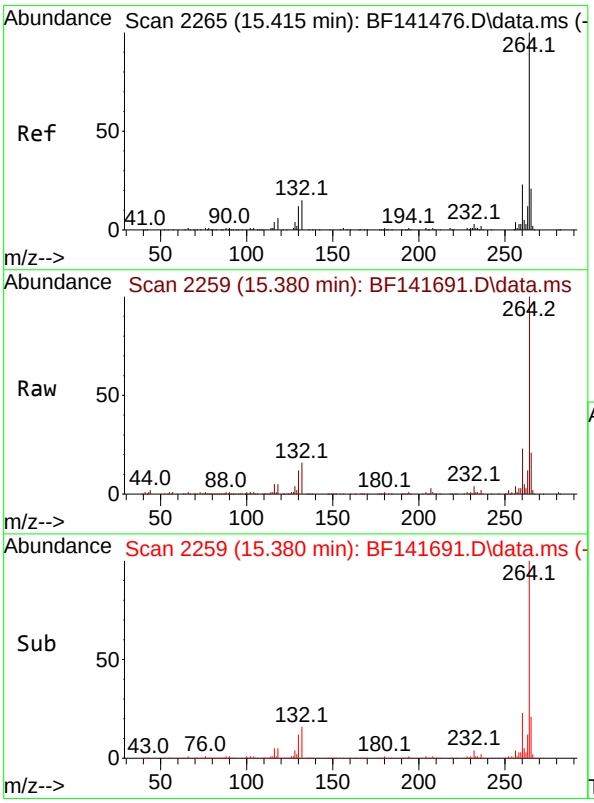
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.8	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
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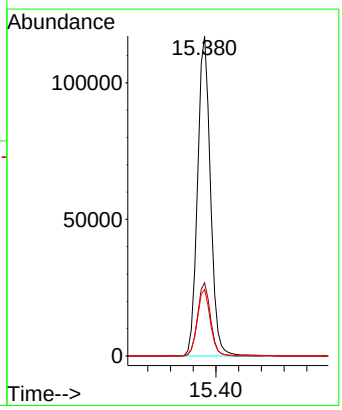
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

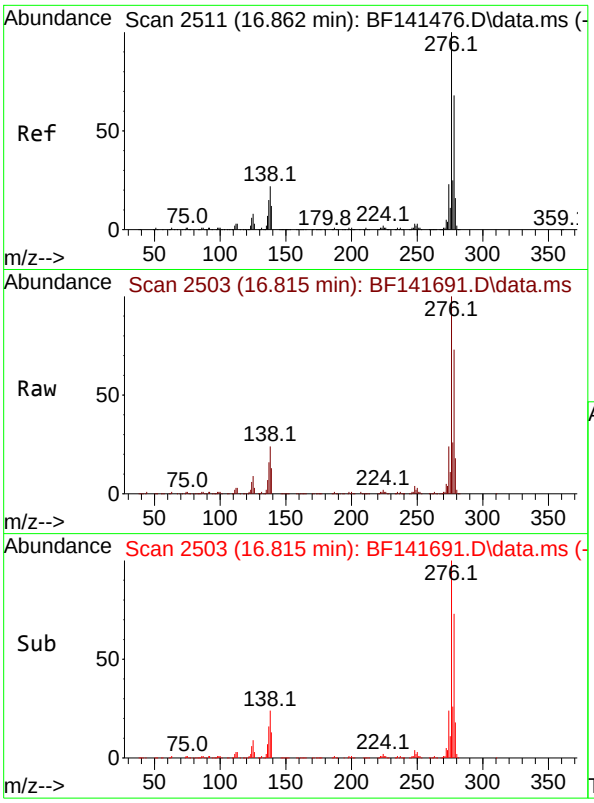


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:264 Resp: 184904

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.8	17.0	25.4

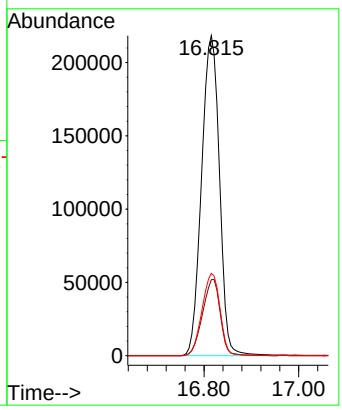




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.247 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:276 Resp: 57407

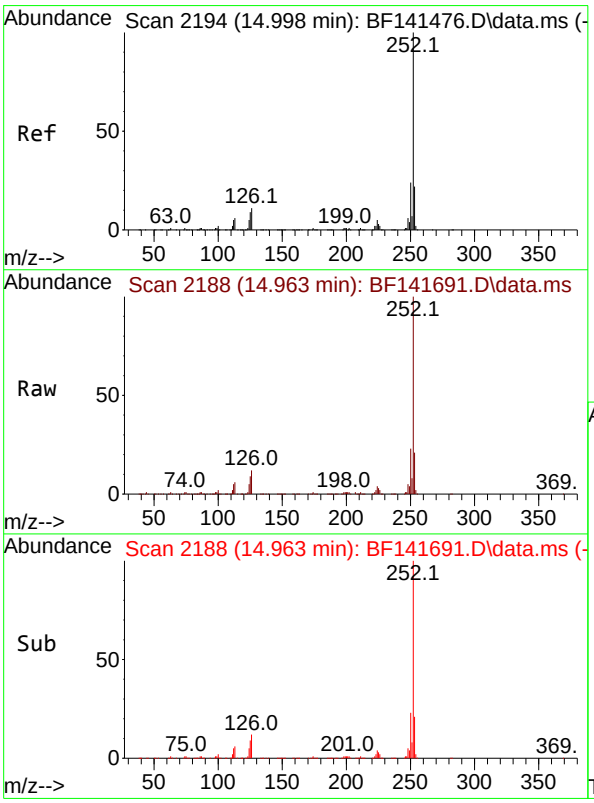
Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.0	27.0
277	25.8	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

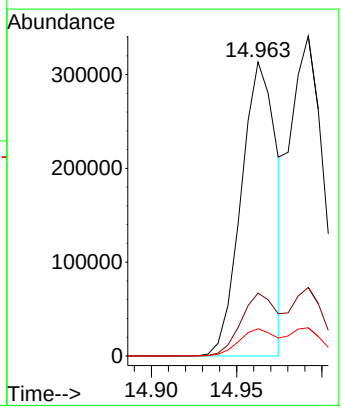
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

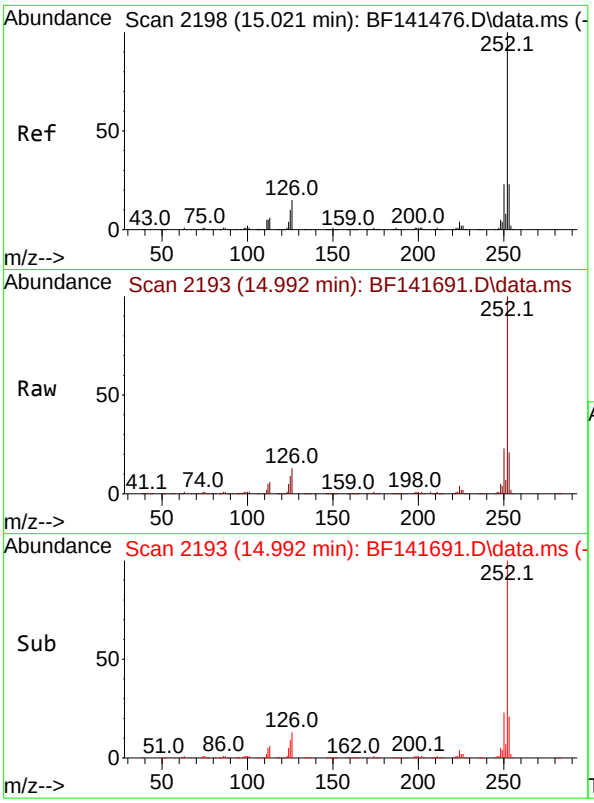


#88
Benzo(b)fluoranthene
Concen: 35.988 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:252 Resp: 446800

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	9.3	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 43.757 ng m
RT: 14.992 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

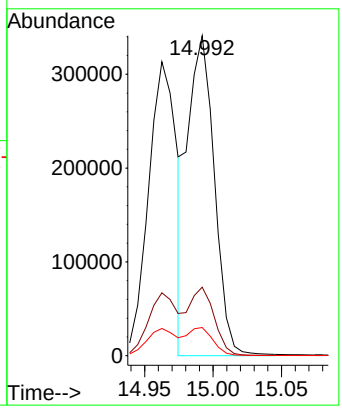
Tgt Ion:252 Resp: 46389

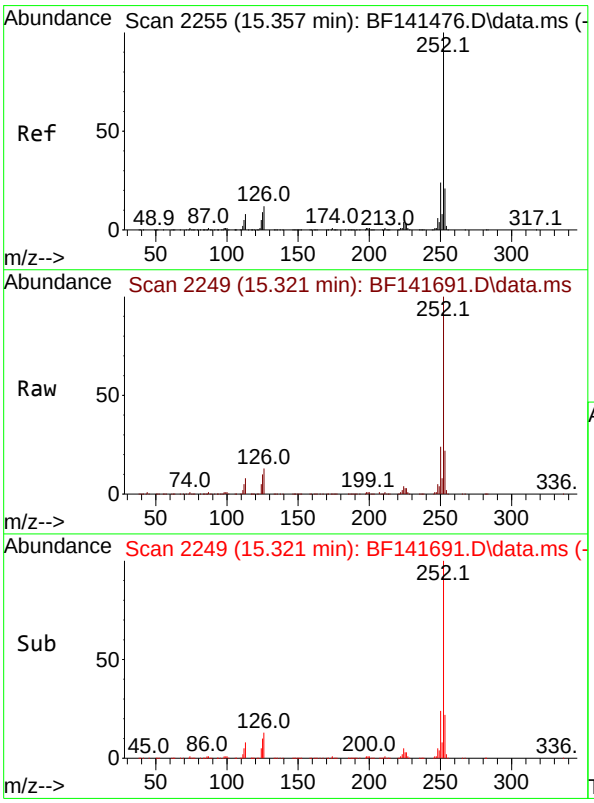
Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	8.8	7.4	11.0

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

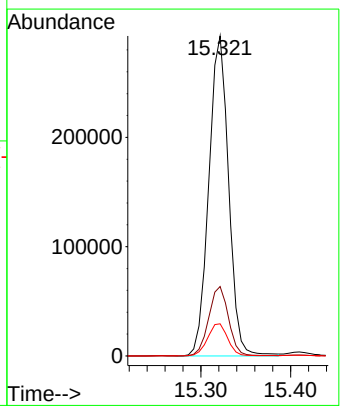


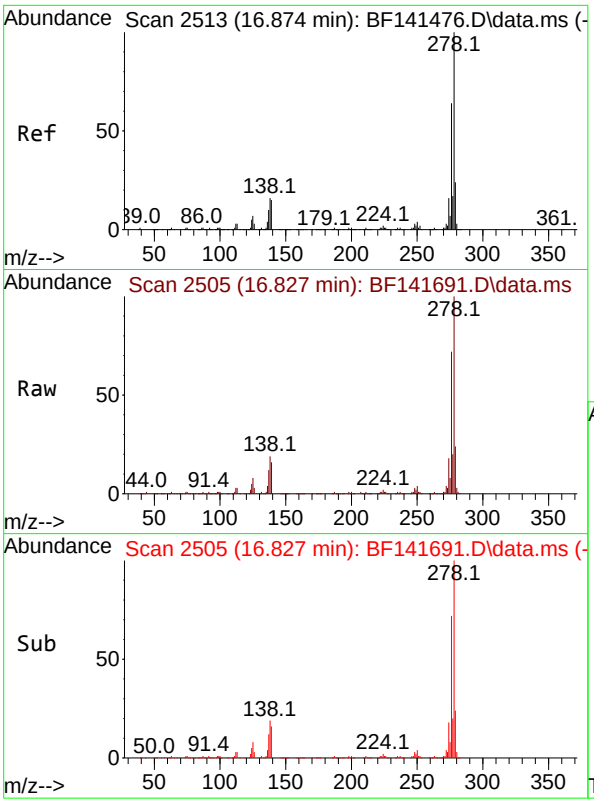


#90
Benzo(a)pyrene
Concen: 44.656 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:252 Resp: 448618

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	10.0	7.4	11.2

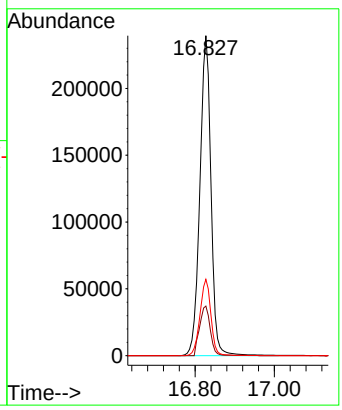




#91
Dibenzo(a,h)anthracene
Concen: 50.258 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:278 Resp: 46526

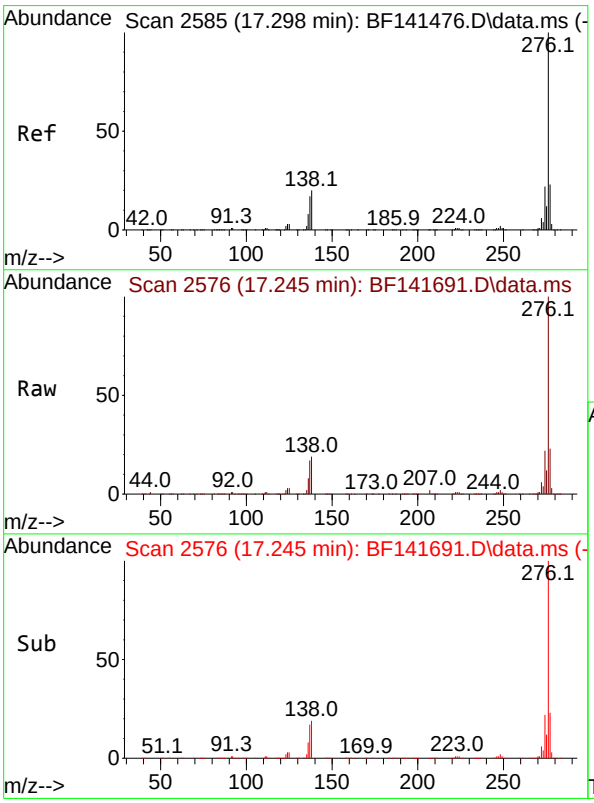
Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.8	17.6
279	23.8	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Manual Integrations
APPROVED

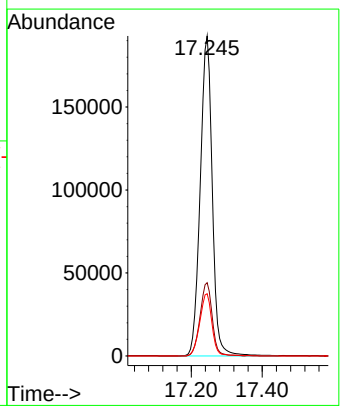
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#92
Benzo(g,h,i)perylene
Concen: 47.060 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:276 Resp: 455897

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	19.4	15.9	23.9



Raw Data: **BF141692.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725MSD	SDG No.:	Q1383
Lab Sample ID:	Q1383-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141692.D	1	02/19/25 10:05	02/19/25 23:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.40		0.089	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.089	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	1.60		0.093	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	1.40		0.088	0.14	0.18	mg/Kg
86-73-7	Fluorene	1.50		0.092	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	1.50		0.091	0.14	0.18	mg/Kg
120-12-7	Anthracene	1.60		0.091	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	1.40		0.088	0.14	0.18	mg/Kg
129-00-0	Pyrene	1.60		0.090	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.087	0.14	0.18	mg/Kg
218-01-9	Chrysene	1.50		0.086	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.088	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.089	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.10	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.80		0.084	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.80		0.088	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.086	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	54.4		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.2		44 - 115		59%	SPK: 100
1718-51-0	Terphenyl-d14	69.2		54 - 127		69%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92500	6.781				
1146-65-2	Naphthalene-d8	367000	8.063				
15067-26-2	Acenaphthene-d10	197000	9.816				
1517-22-2	Phenanthrene-d10	324000	11.298				
1719-03-5	Chrysene-d12	182000	13.939				
1520-96-3	Perylene-d12	184000	15.38				

Raw Data: **BF141692.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-15-021725MSD	SDG No.:	Q1383
Lab Sample ID:	Q1383-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BF141692.D	1	02/19/25 10:05	02/19/25 23:36	PB166776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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: **BF141692.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141692.D
Acq On : 19 Feb 2025 23:36
Operator : RC/JU
Sample : Q1383-09MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Feb 20 00:17:31 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

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	92518	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	366969	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	197029	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	324047	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	182126	20.000	ng	-0.02
86) Perylene-d12	15.380	264	184442	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	482935	81.835	ng	0.00
7) Phenol-d6	6.422	99	599239	80.340	ng	-0.02
23) Nitrobenzene-d5	7.346	82	383045	54.443	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	163279	82.496	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	757166	59.206	ng	-0.02
79) Terphenyl-d14	12.880	244	746397	69.185	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.558	88	98323	41.396	ng	98
3) Pyridine	3.287	79	223994	39.631	ng	96
4) n-Nitrosodimethylamine	3.240	42	134812	36.022	ng	90
6) Aniline	6.446	93	202029	28.875	ng	89
8) 2-Chlorophenol	6.569	128	266578	41.805	ng	100
9) Benzaldehyde	6.334	77	114851	28.976	ng	97
10) Phenol	6.440	94	320456	41.279	ng	91
11) bis(2-Chloroethyl)ether	6.516	93	248407	42.601	ng	99
12) 1,3-Dichlorobenzene	6.722	146	276012	41.000	ng	98
13) 1,4-Dichlorobenzene	6.798	146	280350	40.760	ng	99
14) 1,2-Dichlorobenzene	6.951	146	272235	42.645	ng	98
15) Benzyl Alcohol	6.928	79	217510	38.028	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	383738	38.445	ng	80
17) 2-Methylphenol	7.046	107	207532	41.589	ng	97
18) Hexachloroethane	7.293	117	105367	41.393	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	180218	40.393	ng	94
20) 3+4-Methylphenols	7.198	107	266930	42.091	ng	95
22) Acetophenone	7.193	105	401643	43.999	ng	94
24) Nitrobenzene	7.363	77	274339	39.987	ng	99
25) Isophorone	7.604	82	479529	42.746	ng	98
26) 2-Nitrophenol	7.681	139	142298	41.689	ng	95
27) 2,4-Dimethylphenol	7.722	122	209060	52.429	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	300963	41.868	ng	99
29) 2,4-Dichlorophenol	7.928	162	222878	41.368	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	236959	40.389	ng	99
31) Naphthalene	8.087	128	762787	39.932	ng	100
32) Benzoic acid	7.863	122	141292	34.113	ng	97
33) 4-Chloroaniline	8.145	127	55428	8.311	ng	98
34) Hexachlorobutadiene	8.198	225	146983	41.731	ng	99
35) Caprolactam	8.510	113	77310m	47.129	ng	
36) 4-Chloro-3-methylphenol	8.634	107	234396	39.276	ng	98
37) 2-Methylnaphthalene	8.775	142	480748	38.675	ng	100
38) 1-Methylnaphthalene	8.875	142	471566	39.169	ng	99
40) 1,2,4,5-Tetrachloroben...	8.940	216	264210	46.350	ng	99
41) Hexachlorocyclopentadiene	8.928	237	236493	124.735	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	152030	41.266	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141692.D
Acq On : 19 Feb 2025 23:36
Operator : RC/JU
Sample : Q1383-09MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

Quant Time: Feb 20 00:17:31 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	9.104	196	162026	40.580	ng	98
46) 1,1'-Biphenyl	9.239	154	696564	45.601	ng	100
47) 2-Chloronaphthalene	9.263	162	473246	41.896	ng	99
48) 2-Nitroaniline	9.363	65	151507	39.967	ng	97
49) Acenaphthylene	9.675	152	727750	43.316	ng	99
50) Dimethylphthalate	9.539	163	558426	41.749	ng	99
51) 2,6-Dinitrotoluene	9.604	165	123354	42.186	ng	98
52) Acenaphthene	9.851	154	453211	40.125	ng	99
53) 3-Nitroaniline	9.775	138	65330	20.758	ng	99
54) 2,4-Dinitrophenol	9.892	184	113421	65.266	ng	89
55) Dibenzofuran	10.022	168	657047	39.631	ng	99
56) 4-Nitrophenol	9.957	139	172225	73.719	ng	92
57) 2,4-Dinitrotoluene	10.010	165	165457	42.505	ng	100
58) Fluorene	10.363	166	520245	40.584	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	135825	39.512	ng	96
60) Diethylphthalate	10.239	149	534039	40.580	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	254861	41.326	ng	98
62) 4-Nitroaniline	10.392	138	120000	37.551	ng	97
63) Azobenzene	10.516	77	537934	41.117	ng	95
65) 4,6-Dinitro-2-methylph...	10.422	198	82626	36.706	ng	91
66) n-Nitrosodiphenylamine	10.475	169	452194	43.593	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	158474	43.757	ng	99
68) Hexachlorobenzene	10.910	284	164312	44.060	ng	99
69) Atrazine	11.004	200	170819	54.892	ng	99
70) Pentachlorophenol	11.110	266	152772	64.066	ng	98
71) Phenanthrene	11.328	178	759629	42.586	ng	100
72) Anthracene	11.381	178	777263	43.348	ng	100
73) Carbazole	11.533	167	648416	40.189	ng	99
74) Di-n-butylphthalate	11.863	149	802925	43.100	ng	100
75) Fluoranthene	12.510	202	712981	37.702	ng	100
77) Benzidine	12.639	184	252977	62.982	ng	99
78) Pyrene	12.739	202	709190	45.743	ng	99
80) Butylbenzylphthalate	13.357	149	269709	50.224	ng	99
81) Benzo(a)anthracene	13.927	228	507165	41.892	ng	100
82) 3,3'-Dichlorobenzidine	13.892	252	107206	30.913	ng	99
83) Chrysene	13.963	228	476035	42.585	ng	99
84) Bis(2-ethylhexyl)phtha...	13.916	149	334366	55.207	ng	99
85) Di-n-octyl phthalate	14.527	149	499782	57.843	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	569511	49.972	ng	99
88) Benzo(b)fluoranthene	14.963	252	453916	36.652	ng	99
89) Benzo(k)fluoranthene	14.992	252	459485	43.450	ng	99
90) Benzo(a)pyrene	15.321	252	448930	44.799	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	463816	50.227	ng	100
92) Benzo(g,h,i)perylene	17.245	276	445339	46.085	ng	100

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

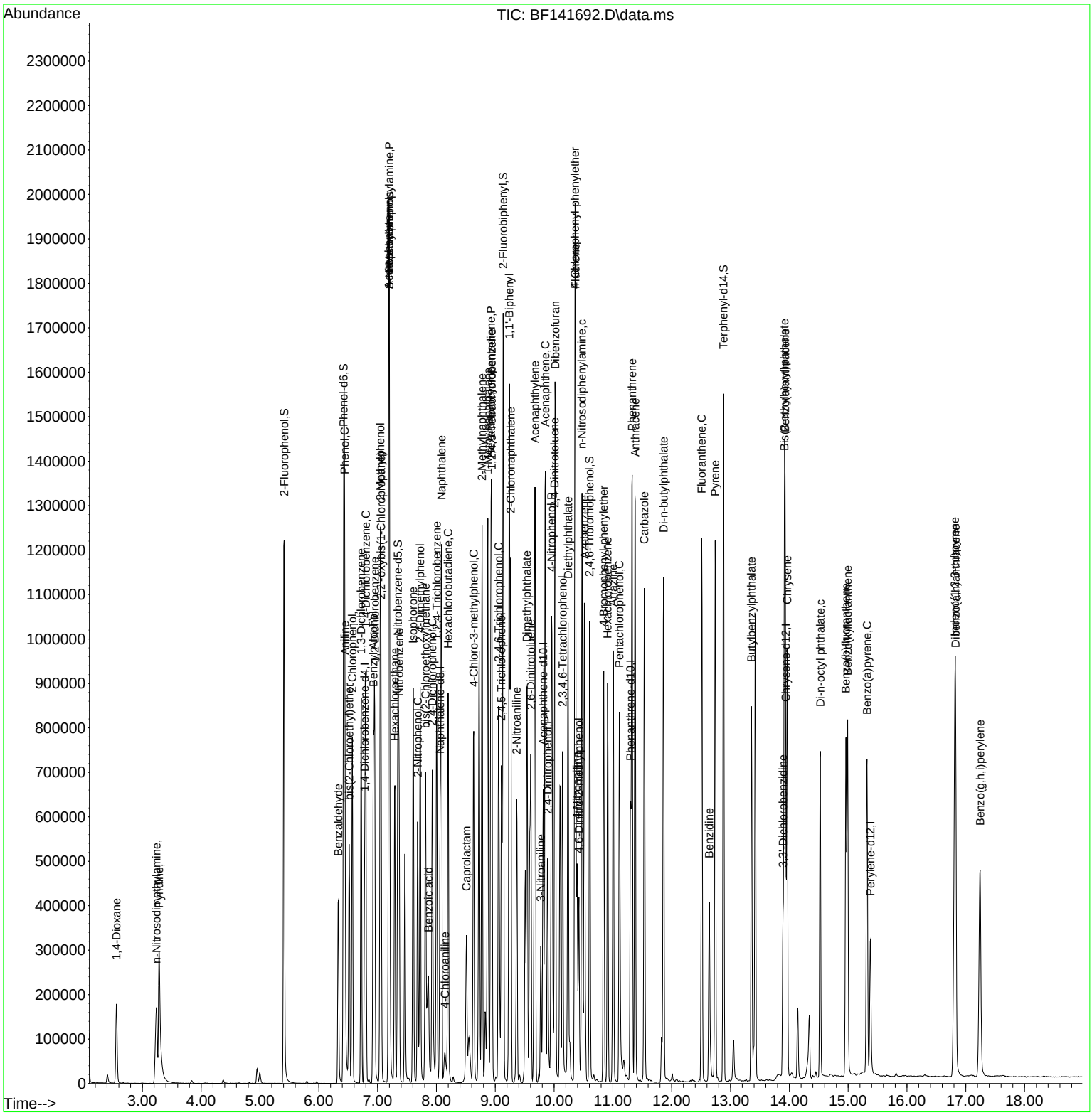
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141692.D
Acq On : 19 Feb 2025 23:36
Operator : RC/JU
Sample : Q1383-09MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

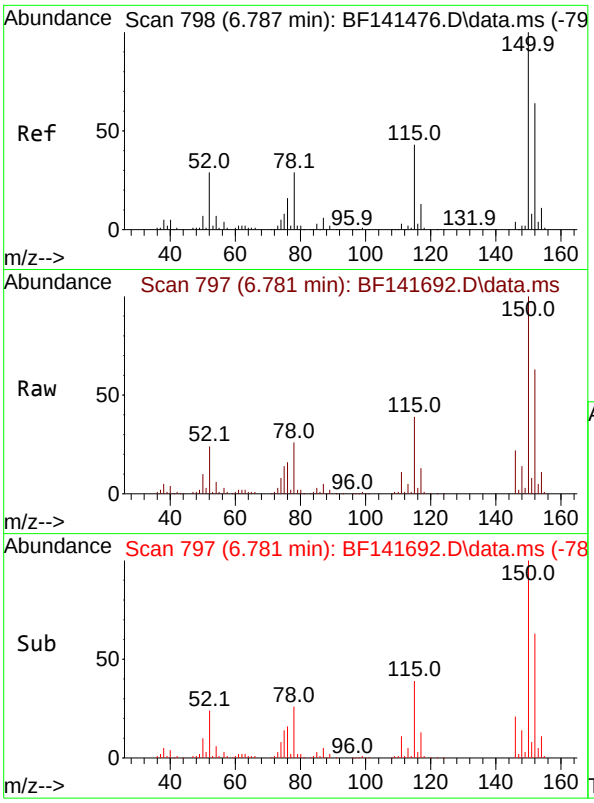
Quant Time: Feb 20 00:17:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

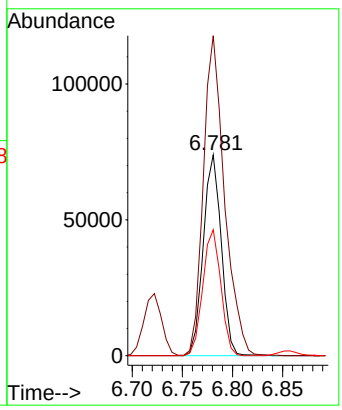




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:152 Resp: 9251

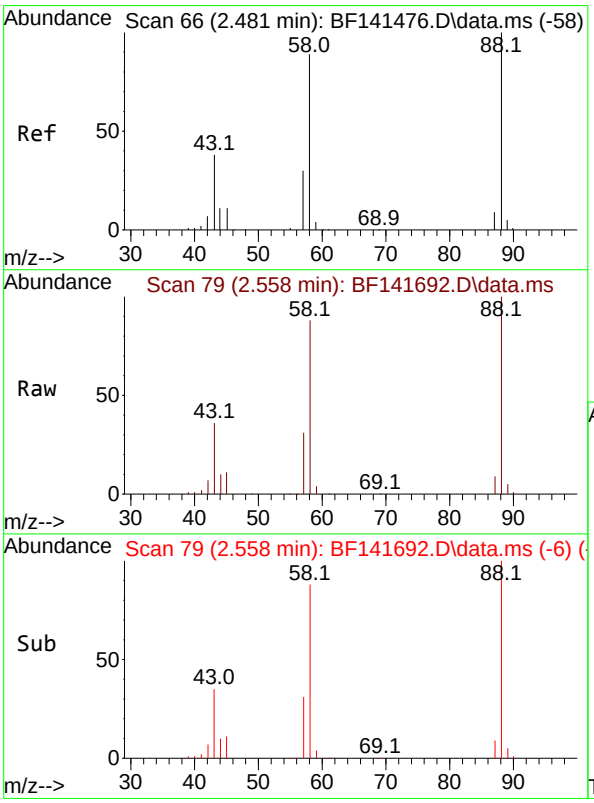
Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.0	187.4
115	62.7	53.6	80.4



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

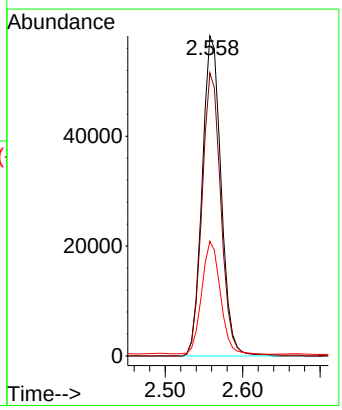
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

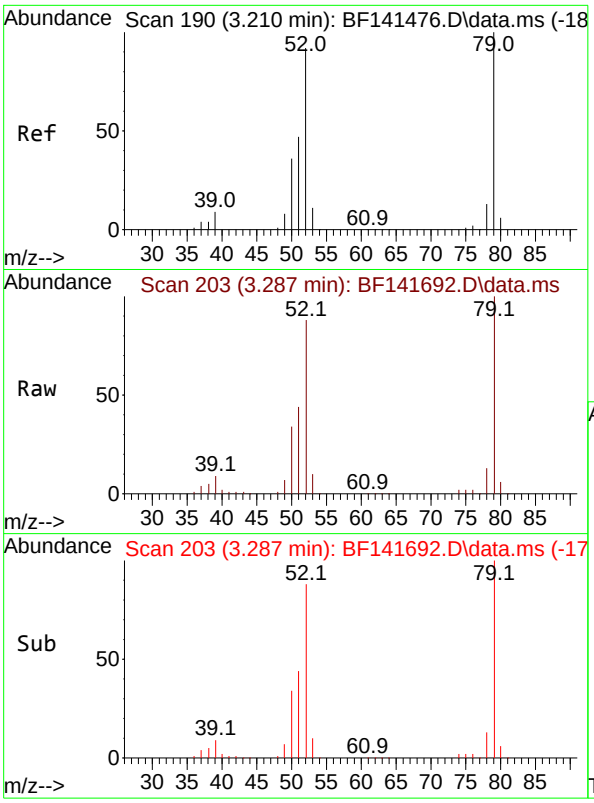


#2
1,4-Dioxane
Concen: 41.396 ng
RT: 2.558 min Scan# 79
Delta R.T. 0.077 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 88 Resp: 98323

Ion	Ratio	Lower	Upper
88	100		
58	88.7	71.1	106.7
43	35.0	30.6	46.0

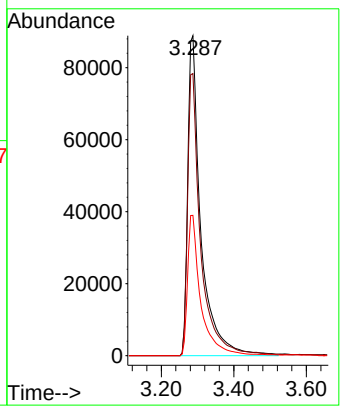




#3
Pyridine
Concen: 39.631 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.071 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 79 Resp: 22399

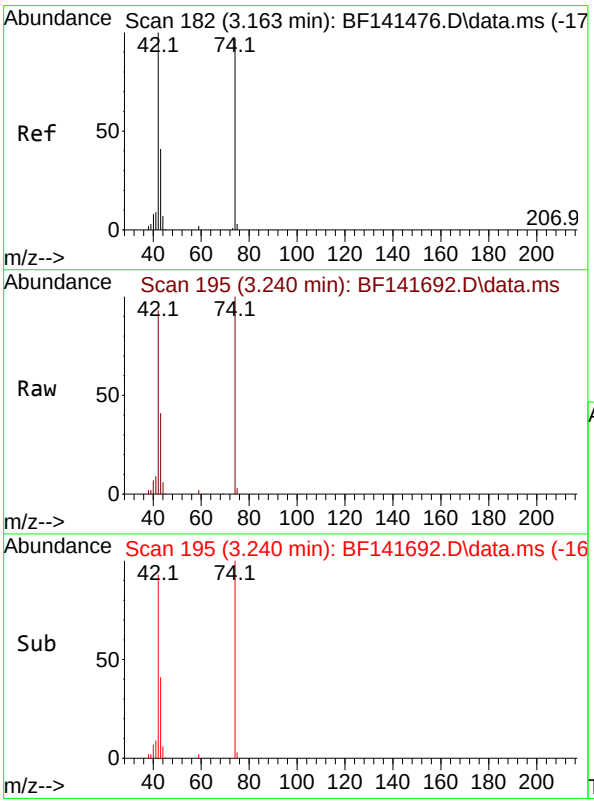
Ion	Ratio	Lower	Upper
79	100		
52	88.2	73.7	110.5
51	43.8	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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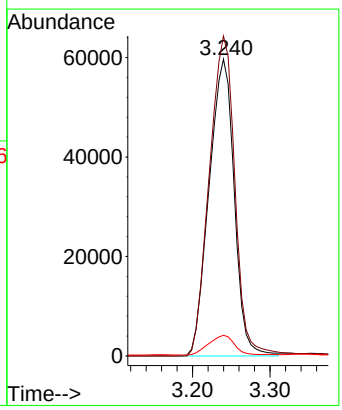
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

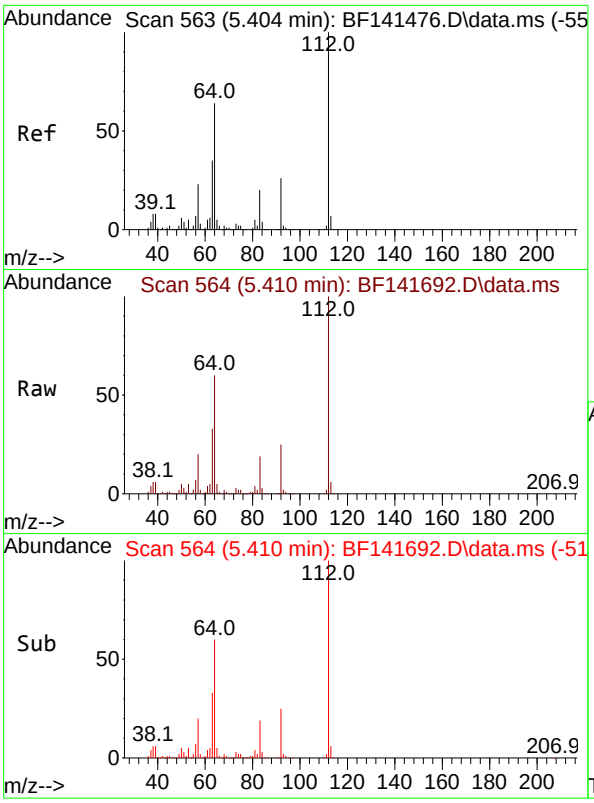


#4
n-Nitrosodimethylamine
Concen: 36.022 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 42 Resp: 134812

Ion	Ratio	Lower	Upper
42	100		
74	107.8	78.0	117.0
44	7.0	5.4	8.2





#5
2-Fluorophenol
Concen: 81.835 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

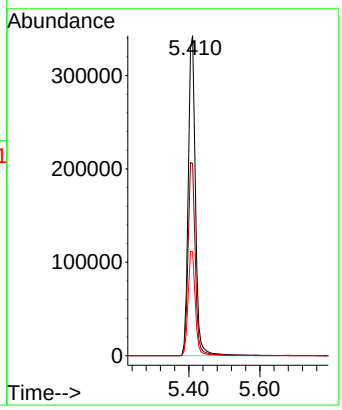
Tgt Ion:112 Resp: 48293

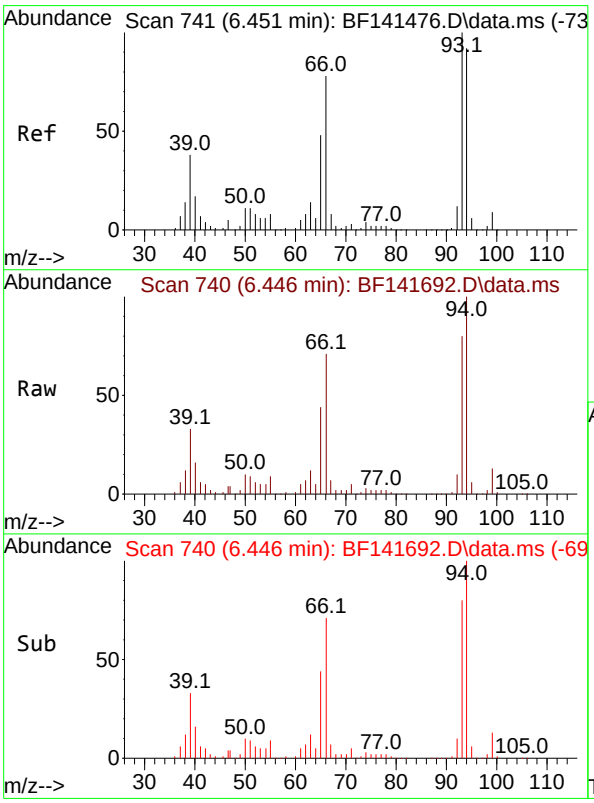
Ion	Ratio	Lower	Upper
112	100		
64	60.1	51.1	76.7
63	32.5	28.4	42.6

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

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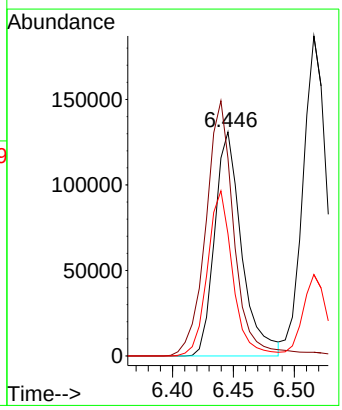


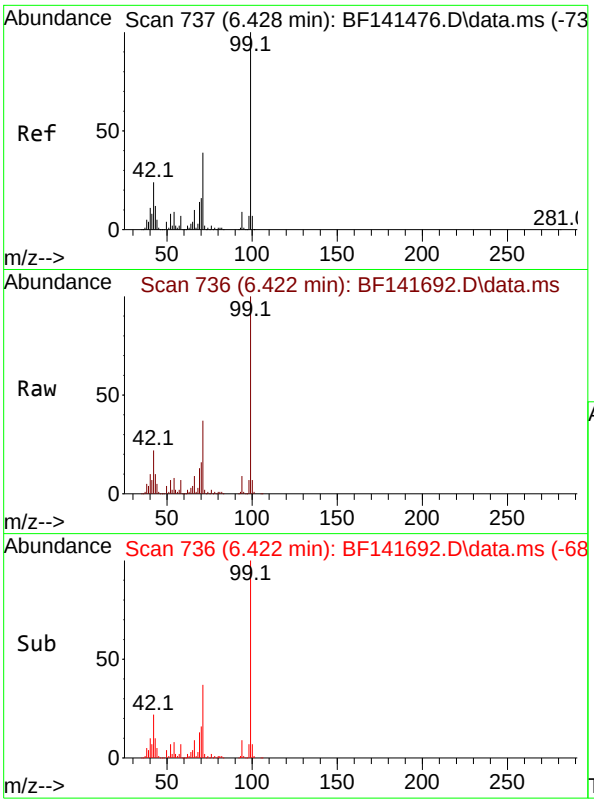


#6
Aniline
Concen: 28.875 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 93 Resp: 202029

Ion	Ratio	Lower	Upper
93	100		
66	88.3	62.6	94.0
65	54.6	38.3	57.5

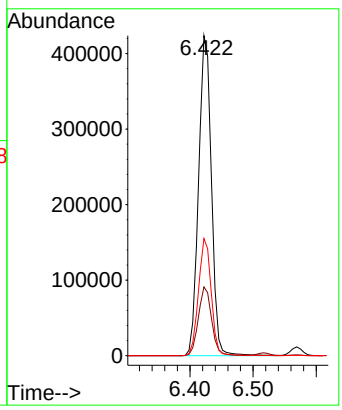




#7
Phenol-d6
Concen: 80.340 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 99 Resp: 59923

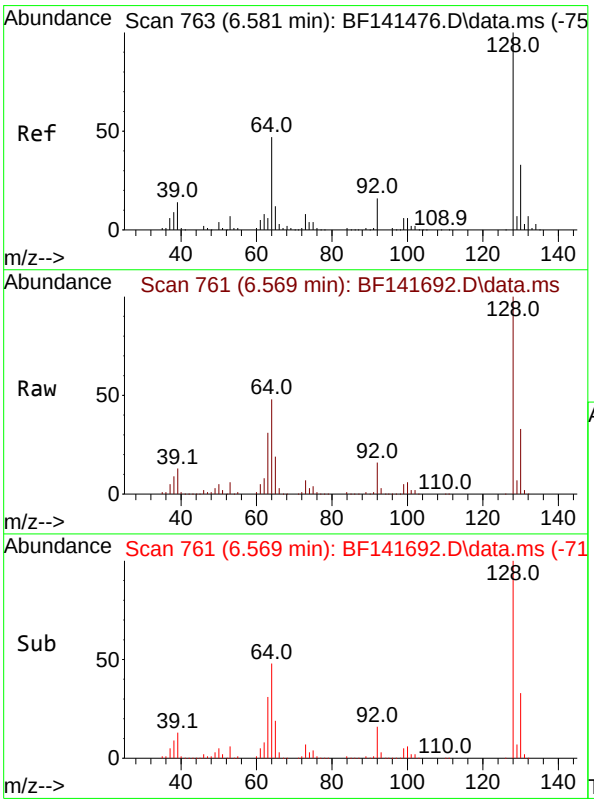
Ion	Ratio	Lower	Upper
99	100		
42	21.5	19.1	28.7
71	36.6	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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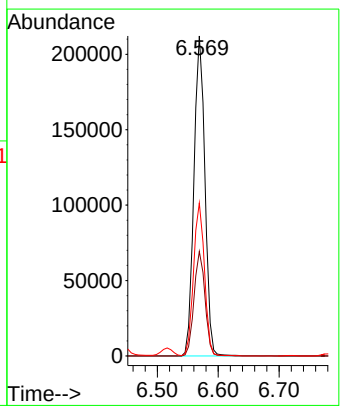
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

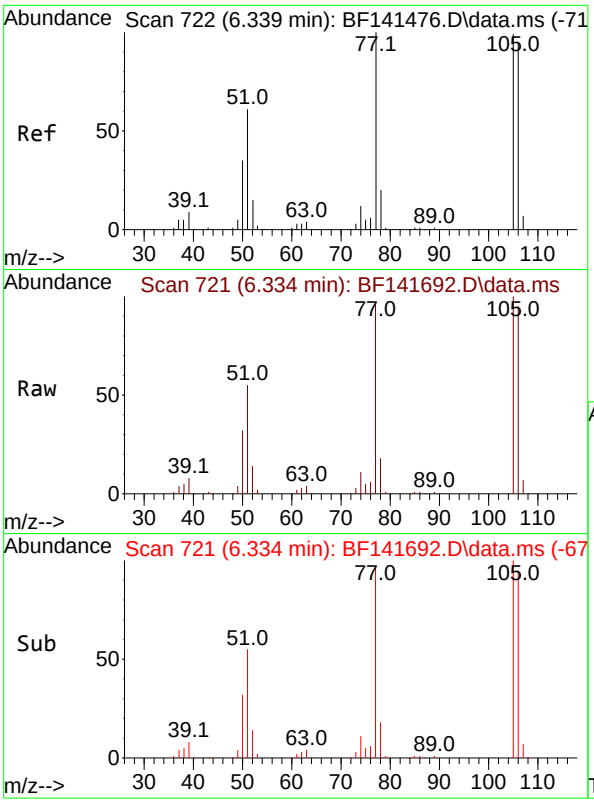


#8
2-Chlorophenol
Concen: 41.805 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:128 Resp: 266578

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	47.8	28.3	68.3

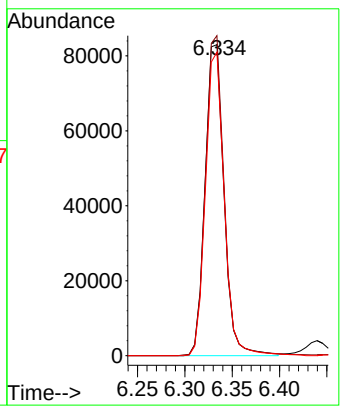




#9
Benzaldehyde
Concen: 28.976 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 77 Resp: 11485

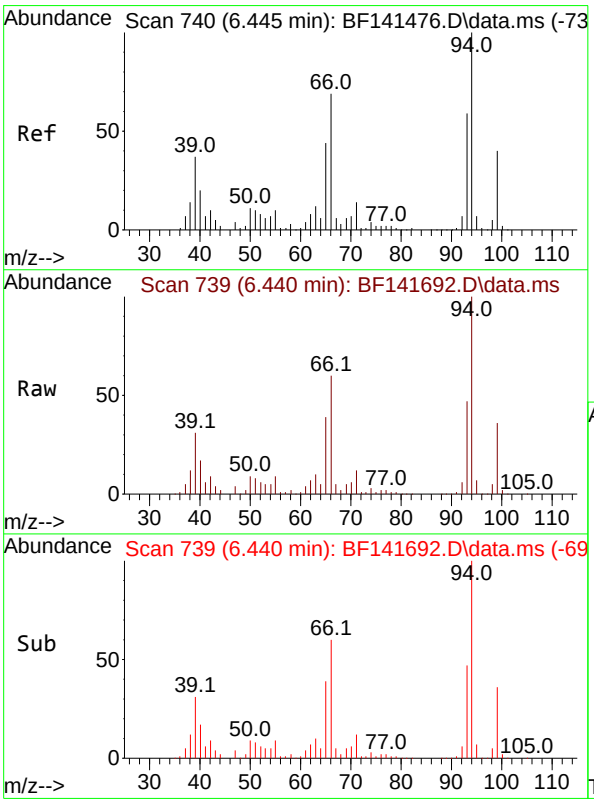
Ion	Ratio	Lower	Upper
77	100		
105	102.9	79.4	119.4
106	97.6	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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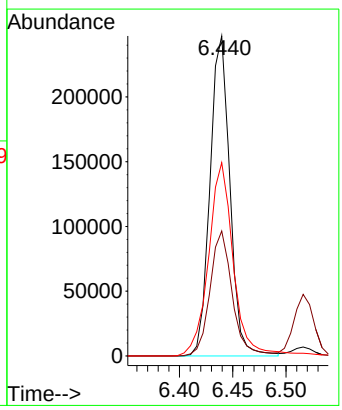
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

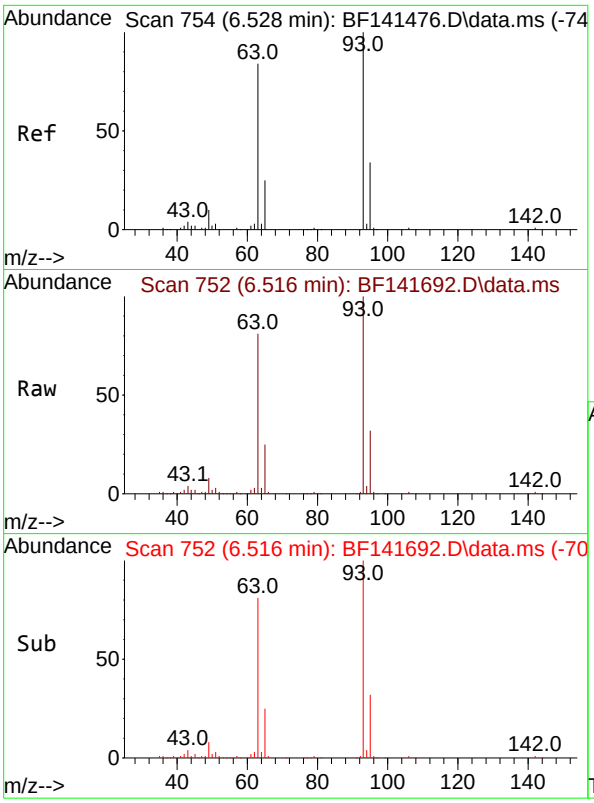


#10
Phenol
Concen: 41.279 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 94 Resp: 320456

Ion	Ratio	Lower	Upper
94	100		
65	39.1	23.7	63.7
66	60.4	49.3	89.3

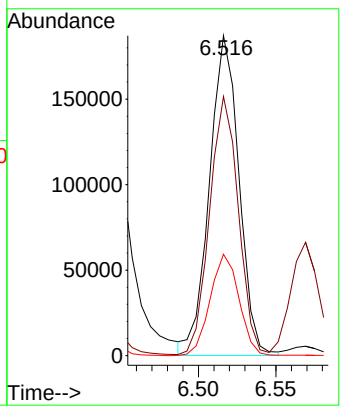




#11
bis(2-Chloroethyl)ether
Concen: 42.601 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 93 Resp: 24840

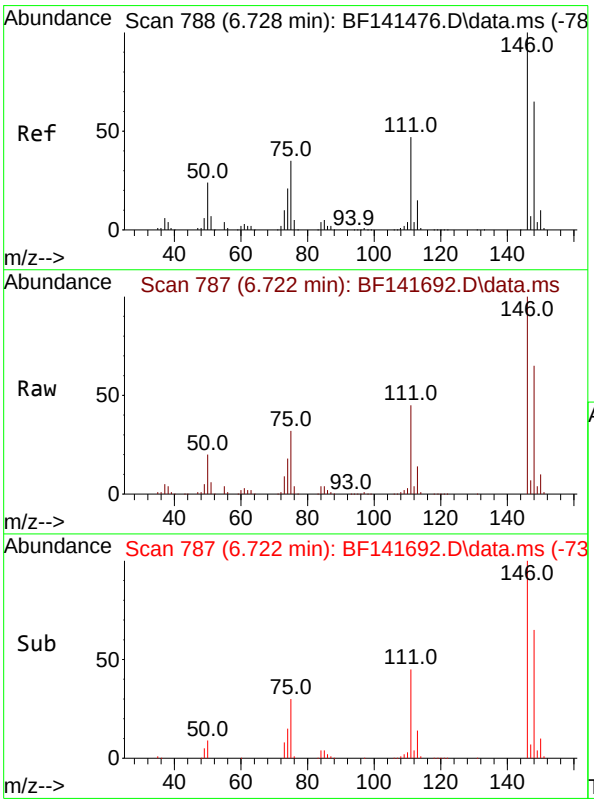
Ion	Ratio	Lower	Upper
93	100		
63	81.0	62.0	102.0
95	31.7	12.6	52.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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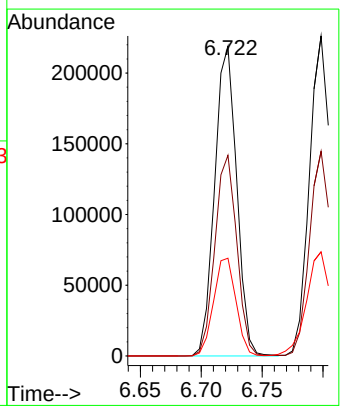
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

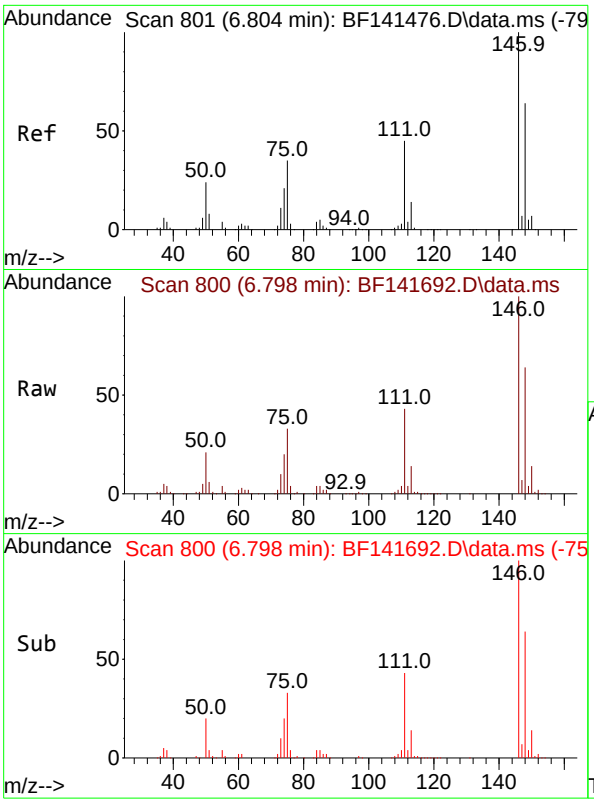


#12
1,3-Dichlorobenzene
Concen: 41.000 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:146 Resp: 276012

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	31.6	28.2	42.2

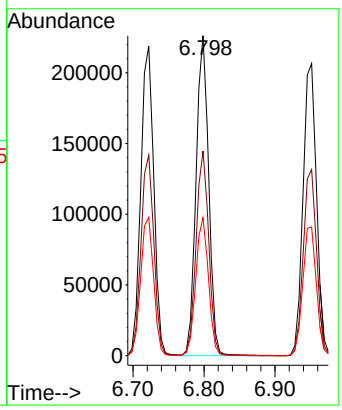




#13
1,4-Dichlorobenzene
Concen: 40.760 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:146 Resp: 28035

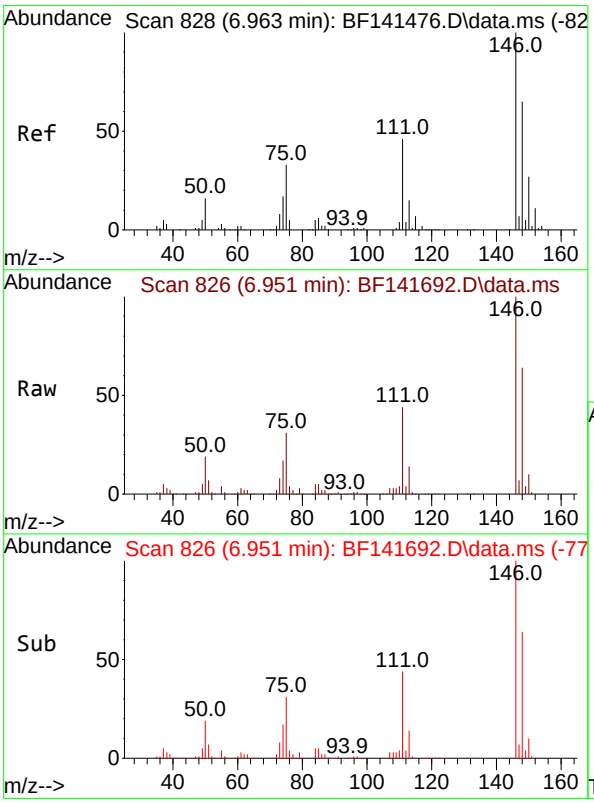
Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.9	76.3
111	43.2	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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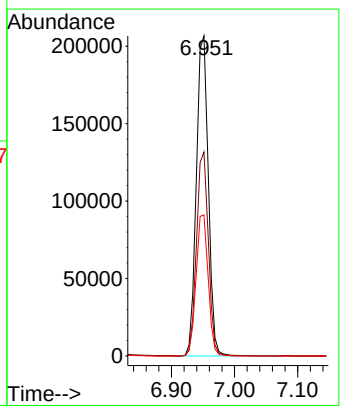
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

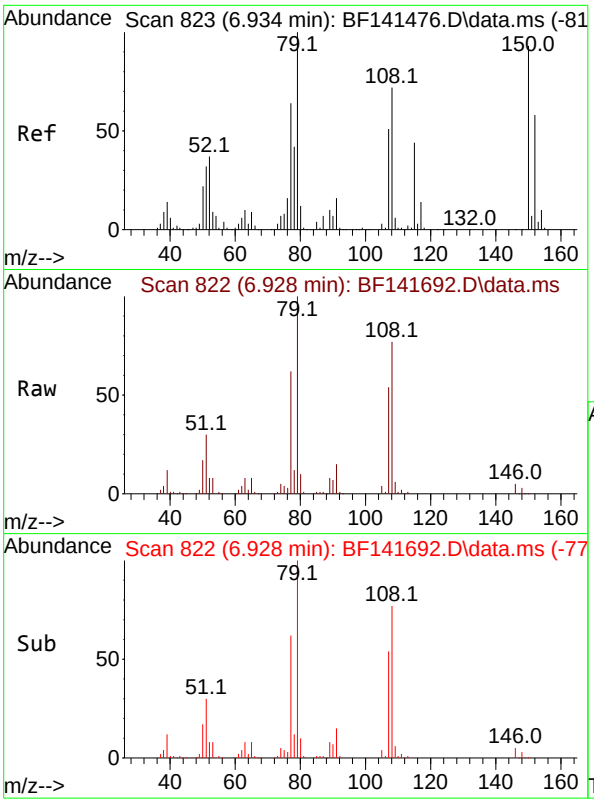


#14
1,2-Dichlorobenzene
Concen: 42.645 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:146 Resp: 272235

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	44.0	37.0	55.4





#15
Benzyl Alcohol
Concen: 38.028 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

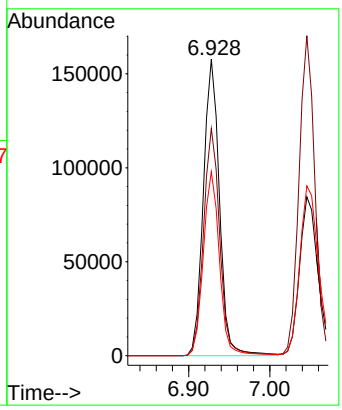
Tgt Ion: 79 Resp: 21751

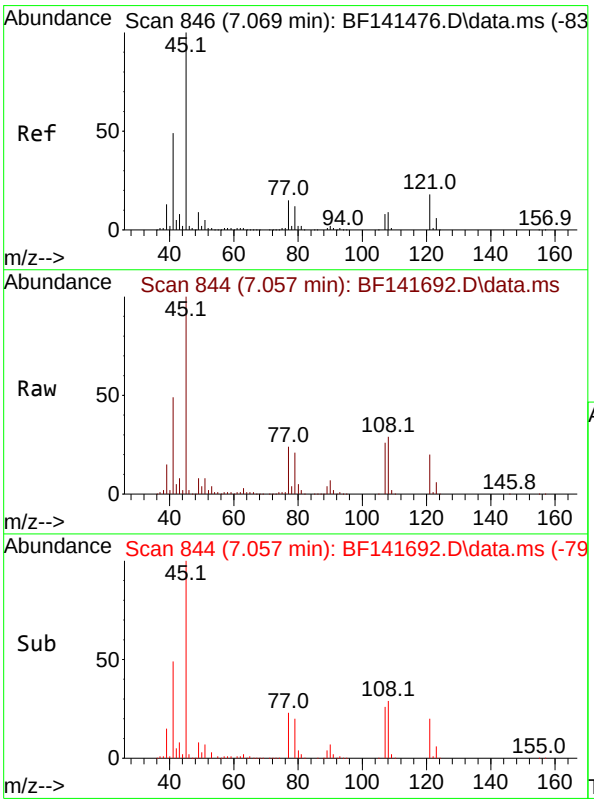
Ion	Ratio	Lower	Upper
79	100		
108	76.6	57.4	86.2
77	62.1	50.9	76.3

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

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Reviewed By :Anahy Claudio 02/20/2025
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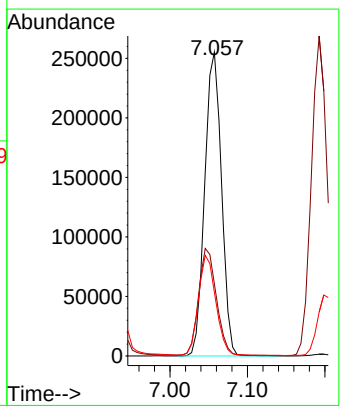


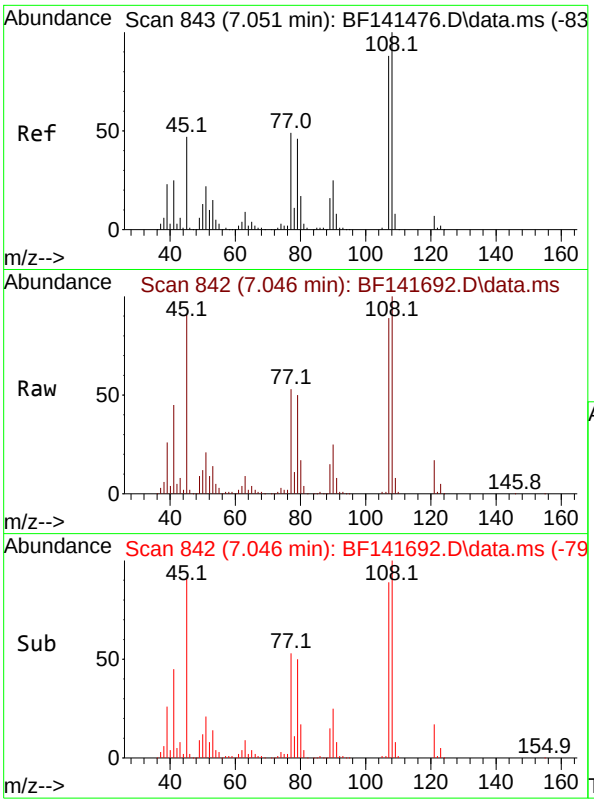


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.445 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 45 Resp: 383738

Ion	Ratio	Lower	Upper
45	100		
77	23.8	0.0	35.8
79	21.0	0.0	32.7

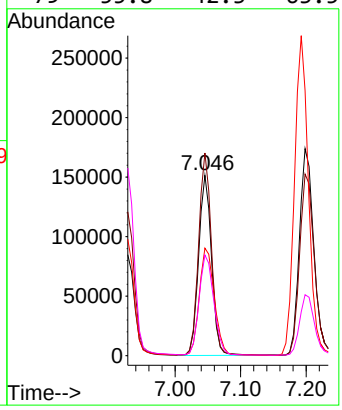




#17
2-Methylphenol
Concen: 41.589 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:107 Resp: 20753

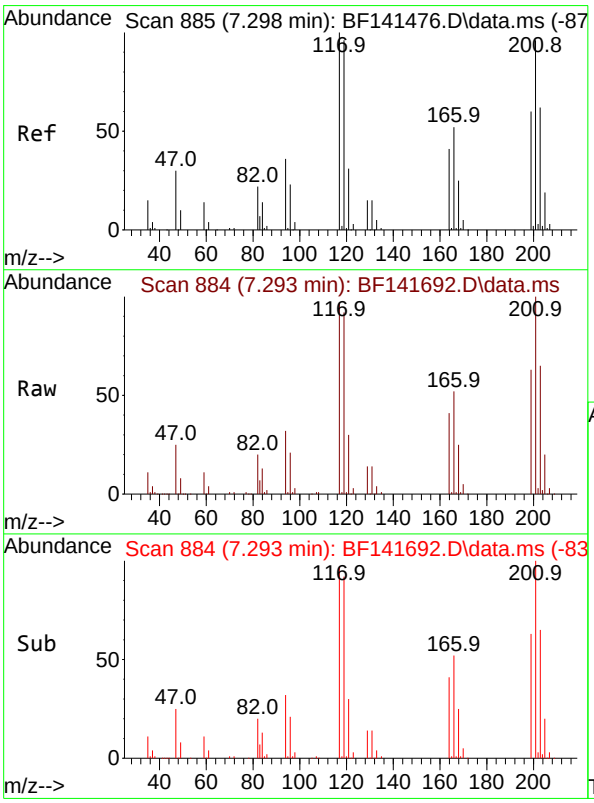
Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	136.0
77	59.6	44.4	66.6
79	55.8	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

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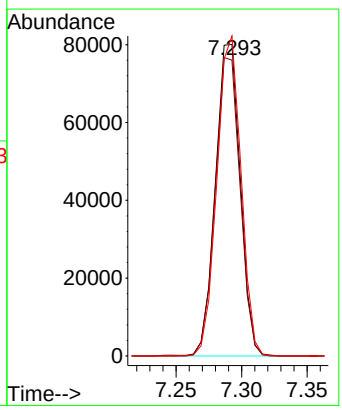
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

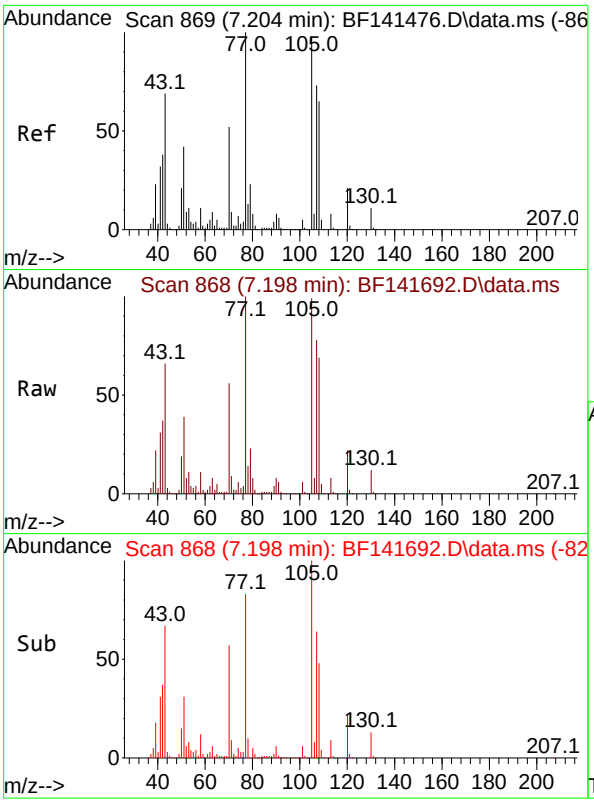


#18
Hexachloroethane
Concen: 41.393 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:117 Resp: 105367

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
201	102.7	76.7	115.1

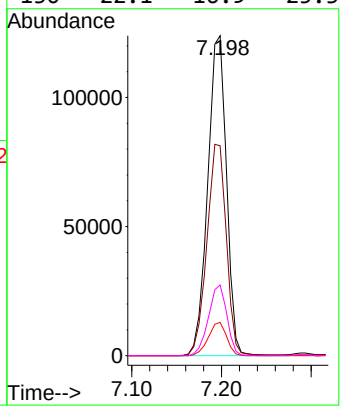




#19
n-Nitroso-di-n-propylamine
Concen: 40.393 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 70 Resp: 18021

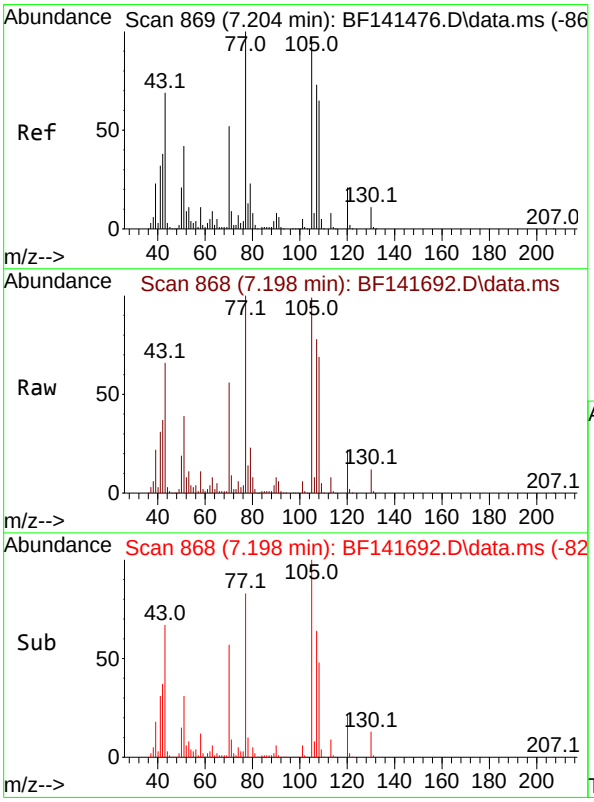
Ion	Ratio	Lower	Upper
70	100		
42	65.6	57.4	86.2
101	10.4	8.0	12.0
130	22.1	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

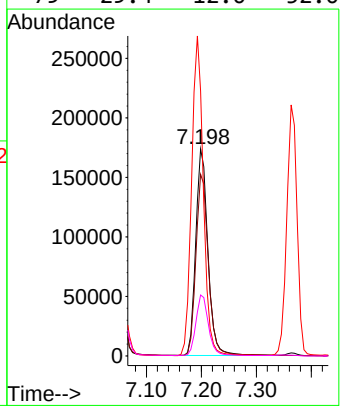
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

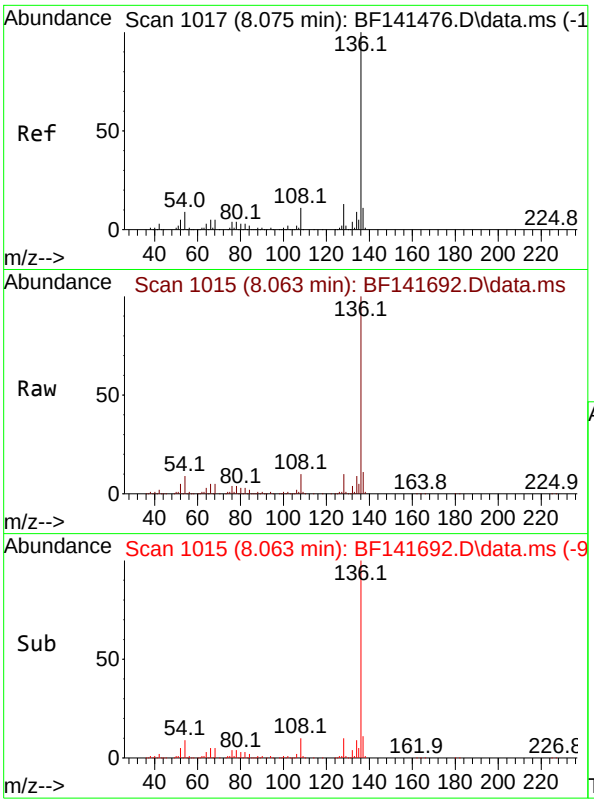


#20
3+4-Methylphenols
Concen: 42.091 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:107 Resp: 266930

Ion	Ratio	Lower	Upper
107	100		
108	87.7	68.5	108.5
77	128.0	116.5	156.5
79	29.4	12.0	52.0

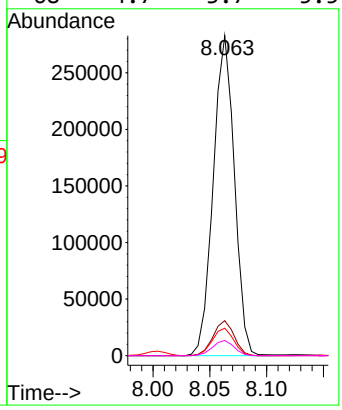




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:136 Resp: 366969

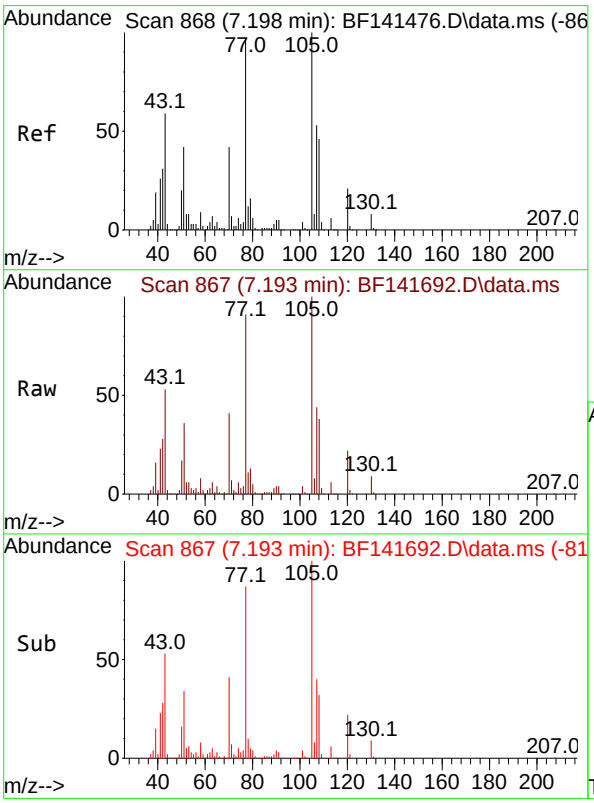
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	7.2	10.8
68	4.7	3.7	5.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

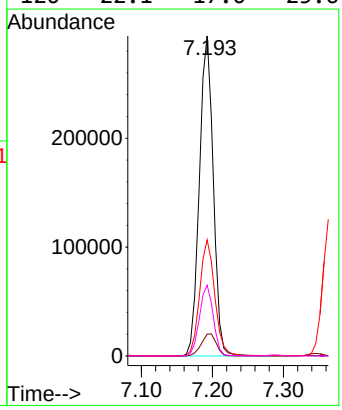
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

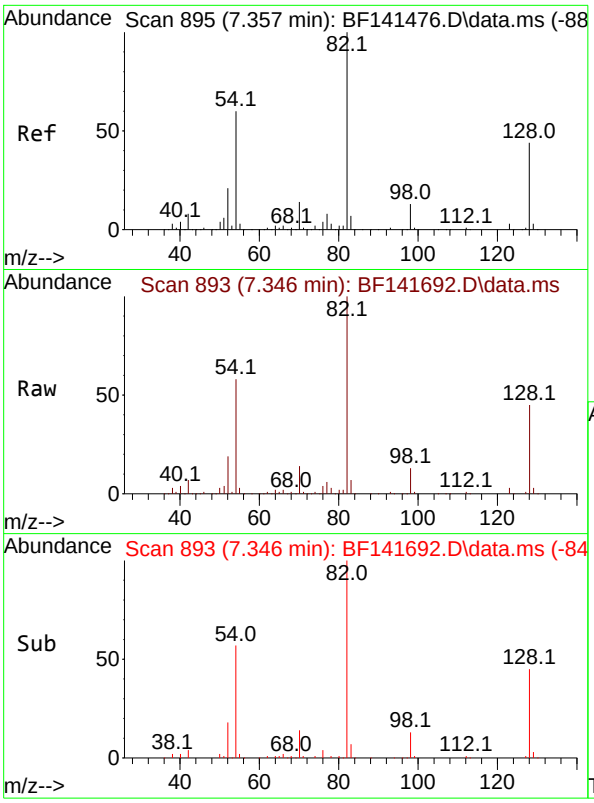


#22
Acetophenone
Concen: 43.999 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:105 Resp: 401643

Ion	Ratio	Lower	Upper
105	100		
71	6.8	5.7	8.5
51	36.3	33.7	50.5
120	22.1	17.0	25.6

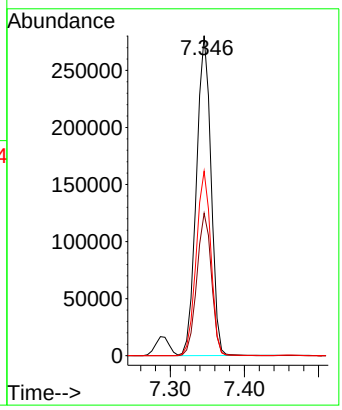




#23
Nitrobenzene-d5
Concen: 54.443 ng
RT: 7.346 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 82 Resp: 38304

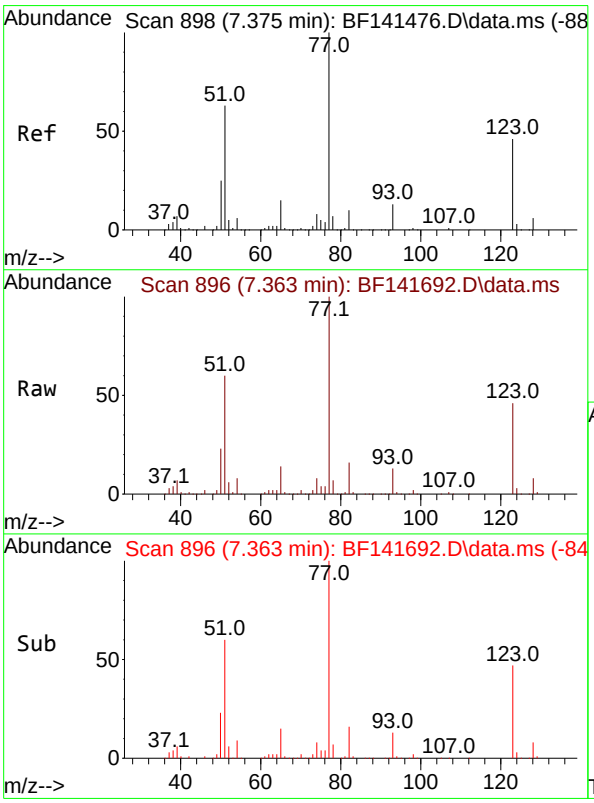
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.8	52.2
54	57.6	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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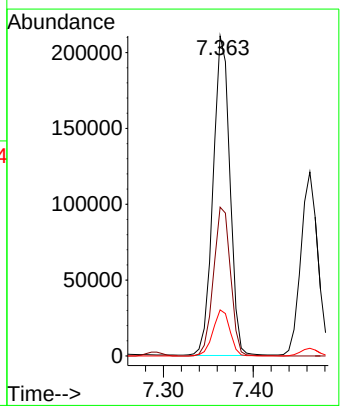
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

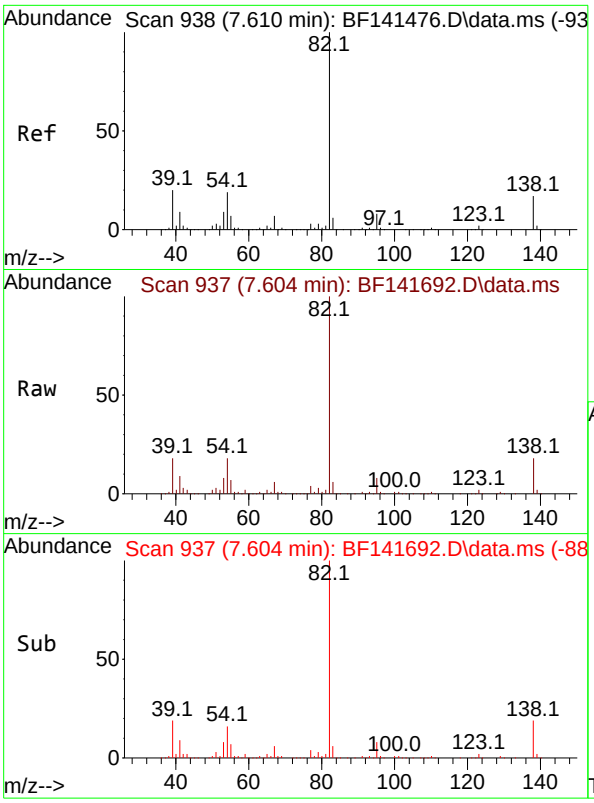


#24
Nitrobenzene
Concen: 39.987 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 77 Resp: 274339

Ion	Ratio	Lower	Upper
77	100		
123	46.5	36.9	55.3
65	14.4	11.9	17.9

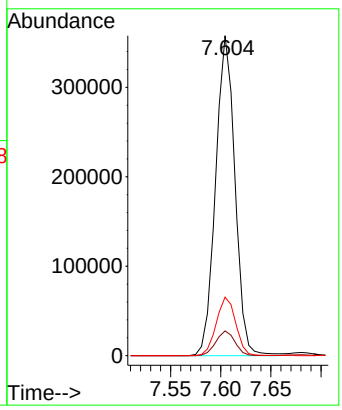




#25
Isophorone
Concen: 42.746 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 82 Resp: 47952

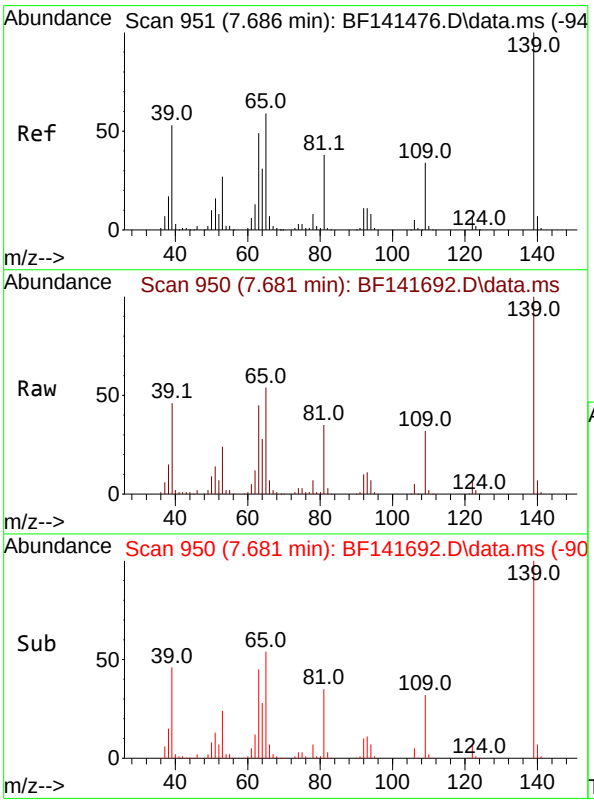
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.3	13.9	20.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

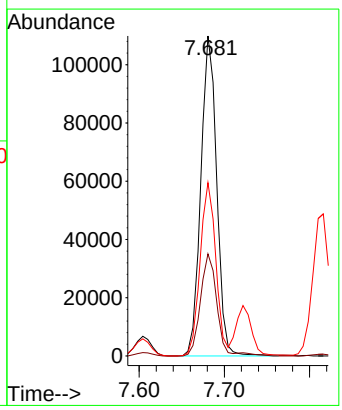
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

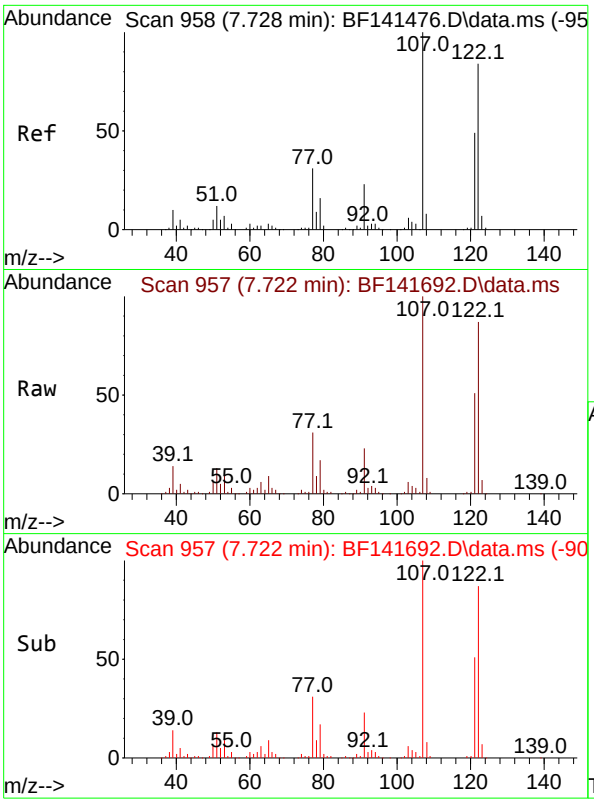


#26
2-Nitrophenol
Concen: 41.689 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:139 Resp: 142298

Ion	Ratio	Lower	Upper
139	100		
109	31.9	27.0	40.6
65	54.2	47.1	70.7

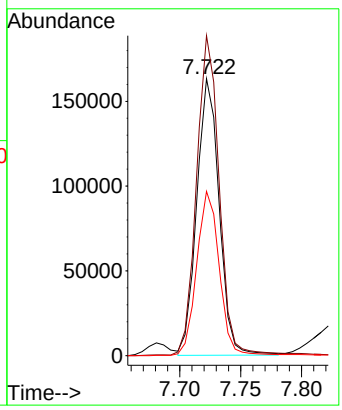




#27
2,4-Dimethylphenol
Concen: 52.429 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:122 Resp: 20906

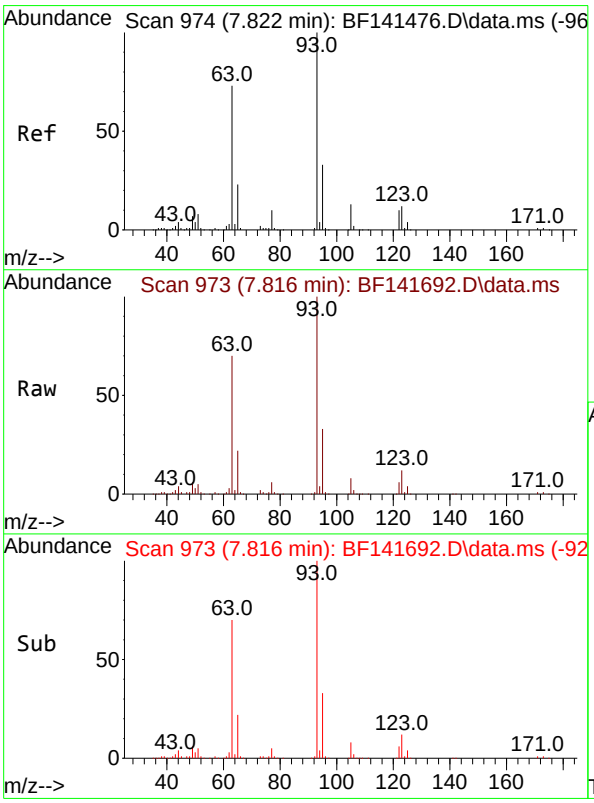
Ion	Ratio	Lower	Upper
122	100		
107	115.6	94.3	141.5
121	59.3	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

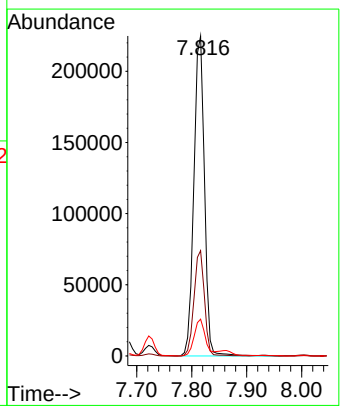
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

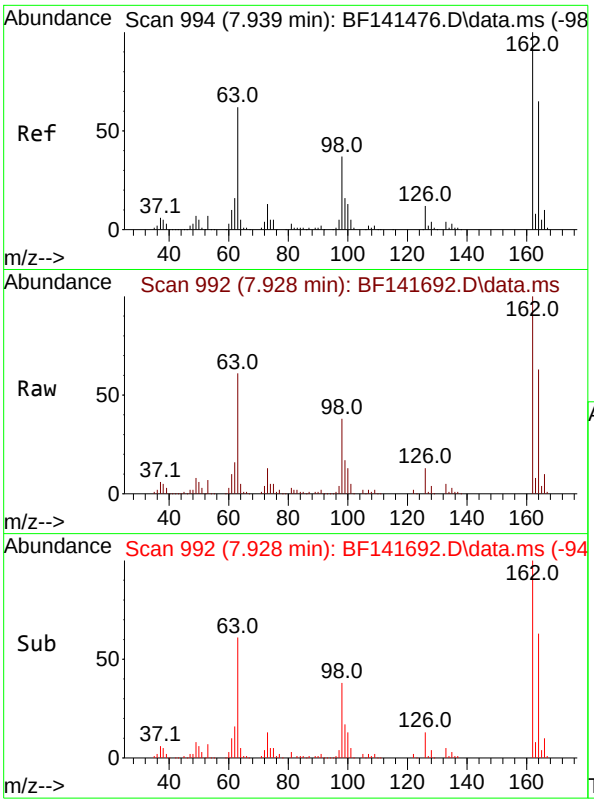


#28
bis(2-Chloroethoxy)methane
Concen: 41.868 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 93 Resp: 300963

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.5	9.5	14.3

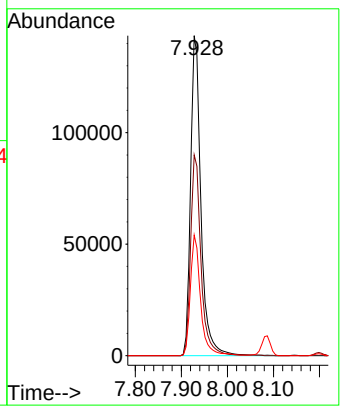




#29
2,4-Dichlorophenol
Concen: 41.368 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:162 Resp: 22287

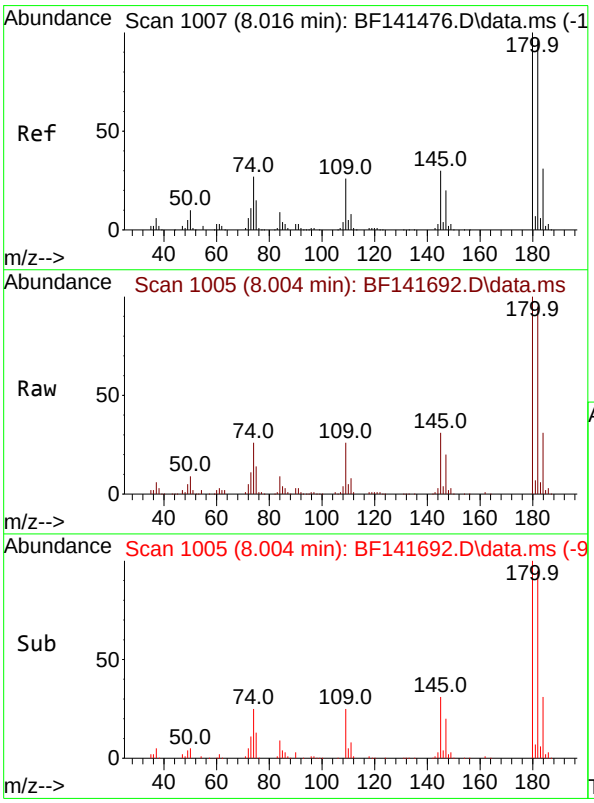
Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.6	84.6
98	37.7	17.2	57.2



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

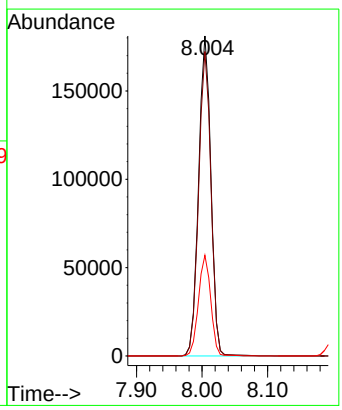
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

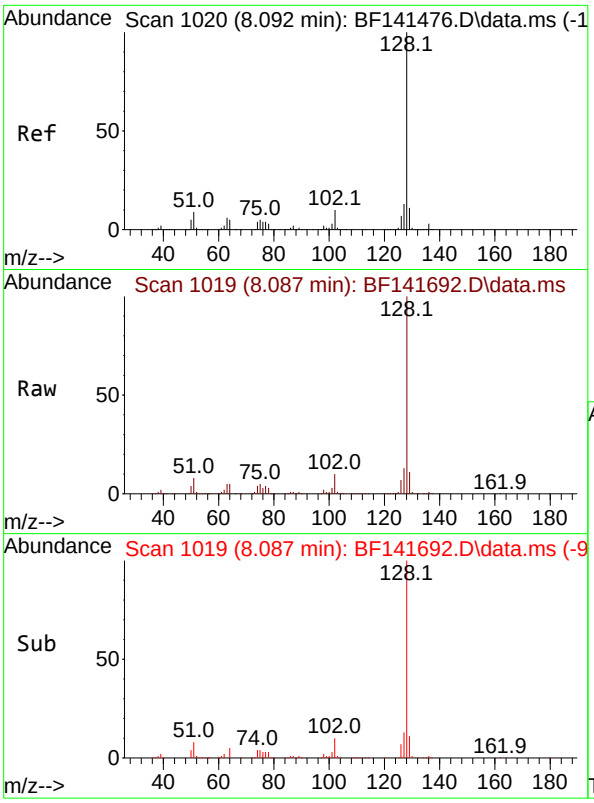


#30
1,2,4-Trichlorobenzene
Concen: 40.389 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:180 Resp: 236959

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
145	31.5	24.2	36.4

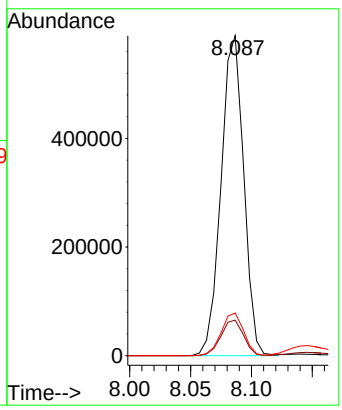




#31
Naphthalene
Concen: 39.932 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:128 Resp: 76278

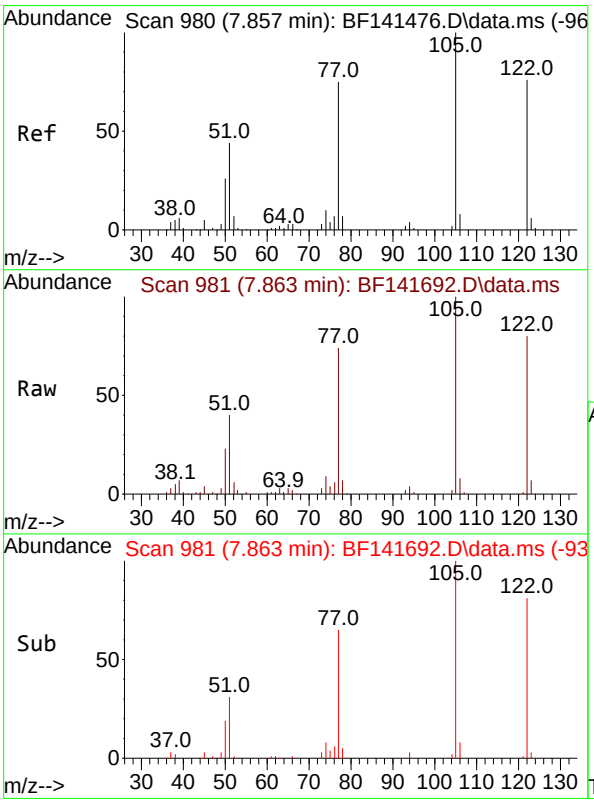
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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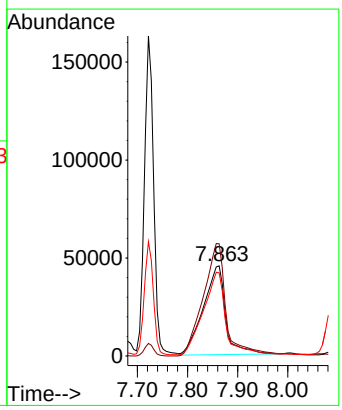
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

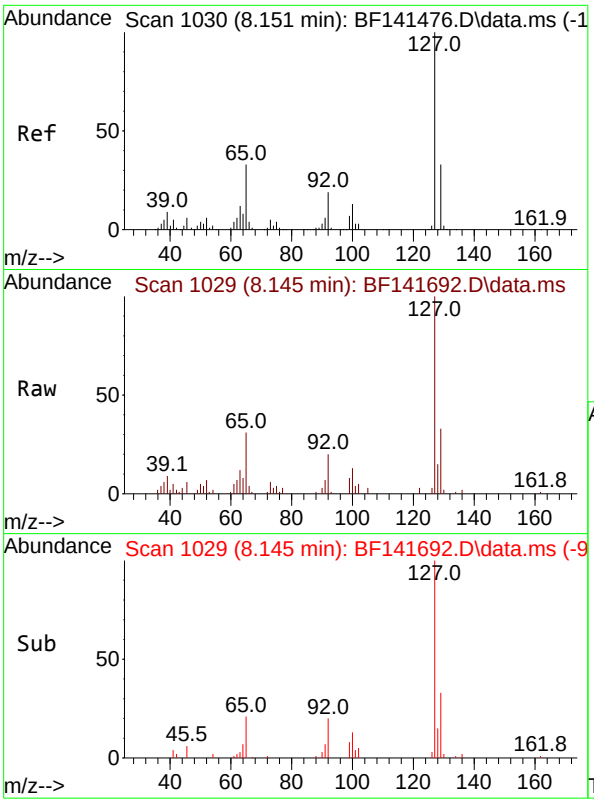


#32
Benzoic acid
Concen: 34.113 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:122 Resp: 141292

Ion	Ratio	Lower	Upper
122	100		
105	124.5	106.5	146.5
77	92.3	76.3	116.3

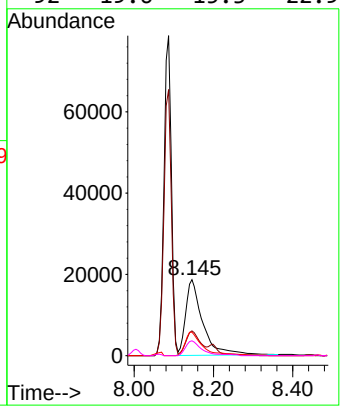




#33
4-Chloroaniline
Concen: 8.311 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:127 Resp: 5542

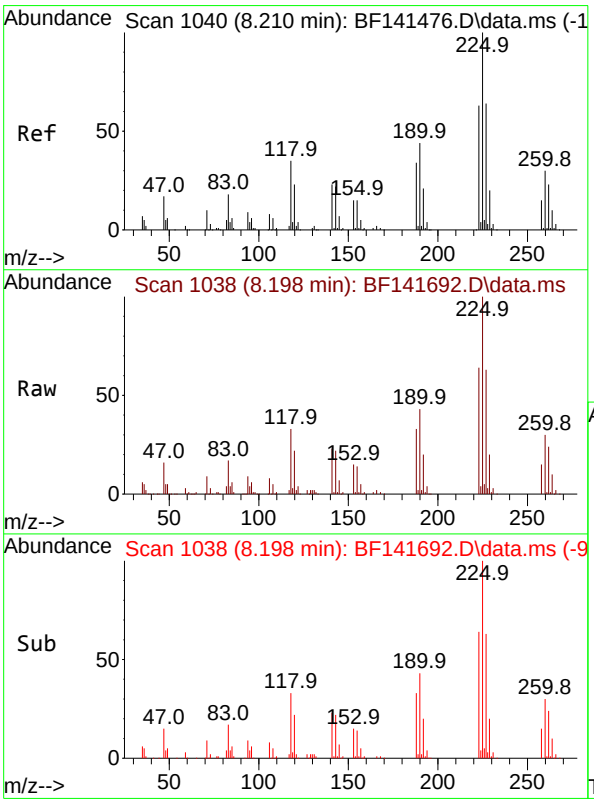
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.5	39.7
65	31.0	26.4	39.6
92	19.6	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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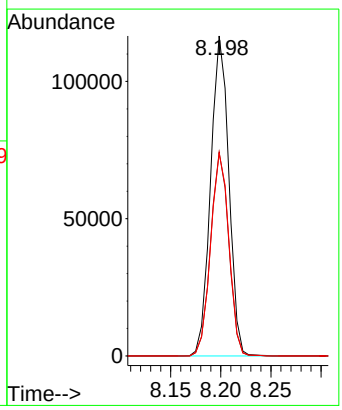
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

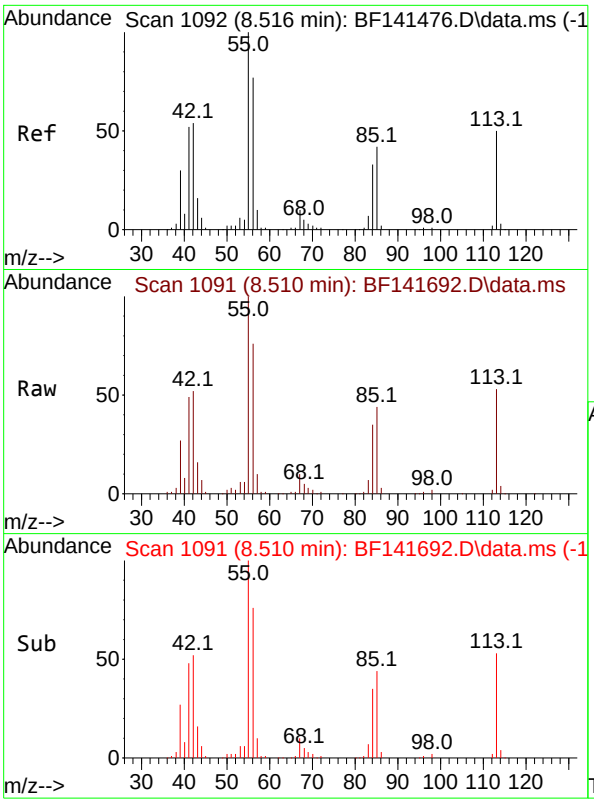


#34
Hexachlorobutadiene
Concen: 41.731 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:225 Resp: 146983

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	63.4	51.0	76.6





#35
Caprolactam
Concen: 47.129 ng m
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

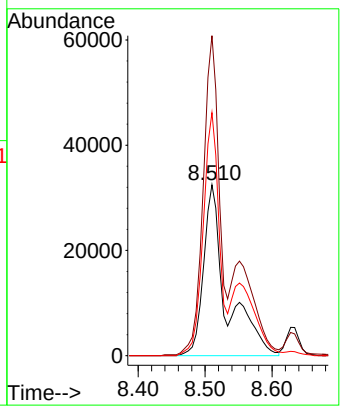
Tgt Ion:113 Resp: 7731

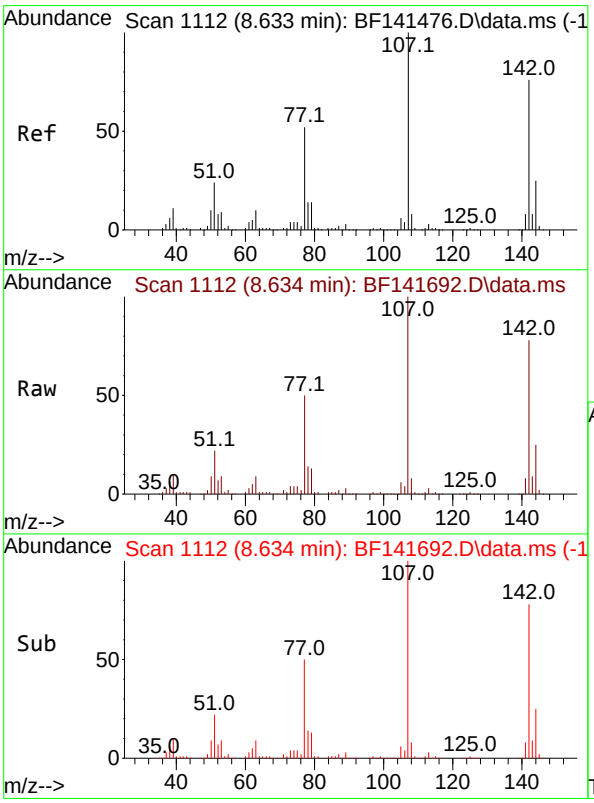
Ion	Ratio	Lower	Upper
113	100		
55	187.2	180.8	220.8
56	142.1	133.6	173.6

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

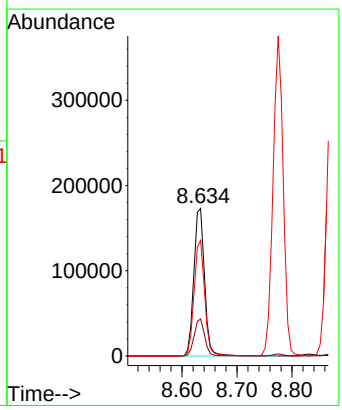


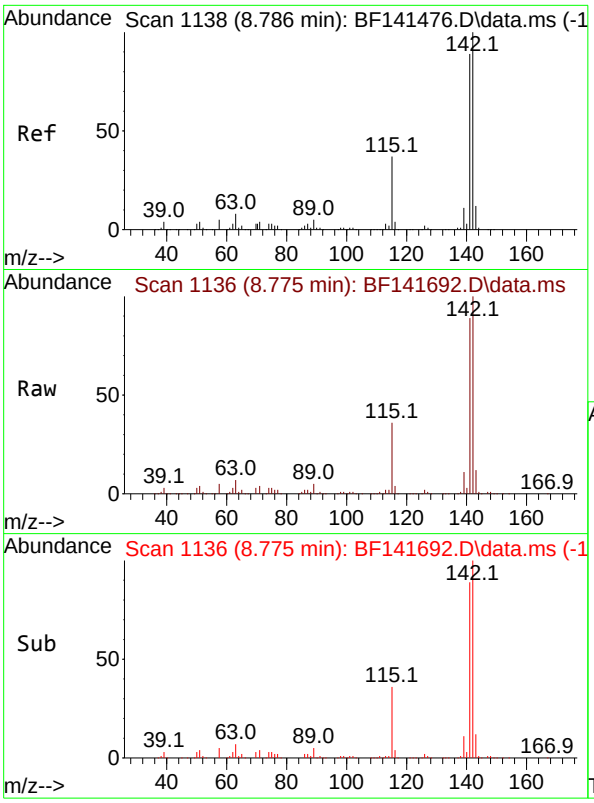


#36
4-Chloro-3-methylphenol
Concen: 39.276 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:107 Resp: 234396

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.7	29.5
142	78.3	60.8	91.2

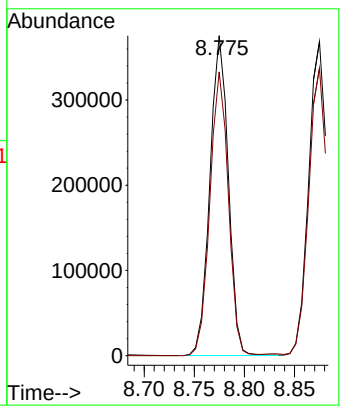




#37
2-Methylnaphthalene
Concen: 38.675 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:142 Resp: 48074

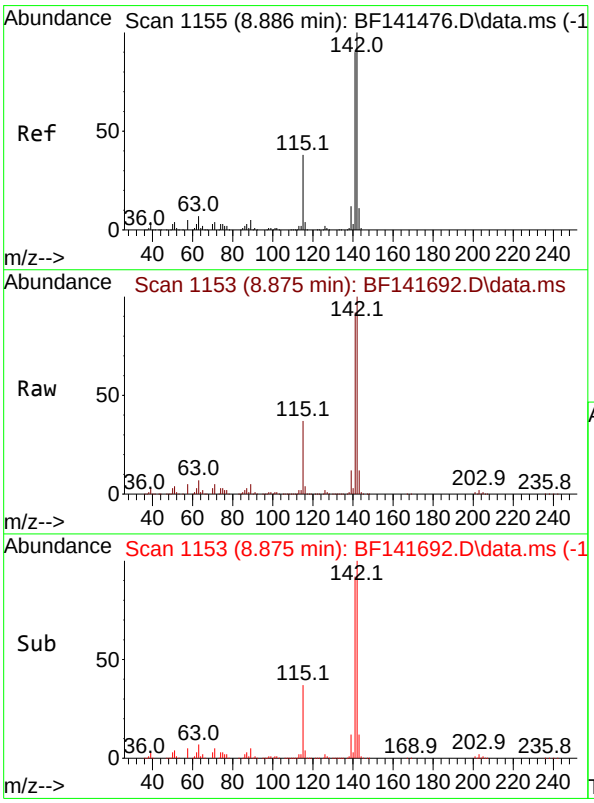
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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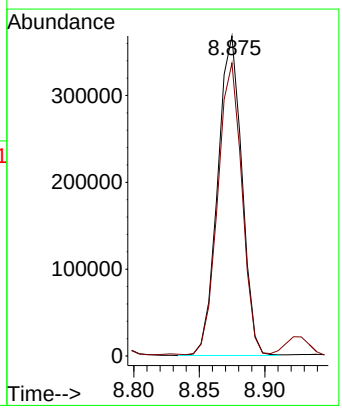
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

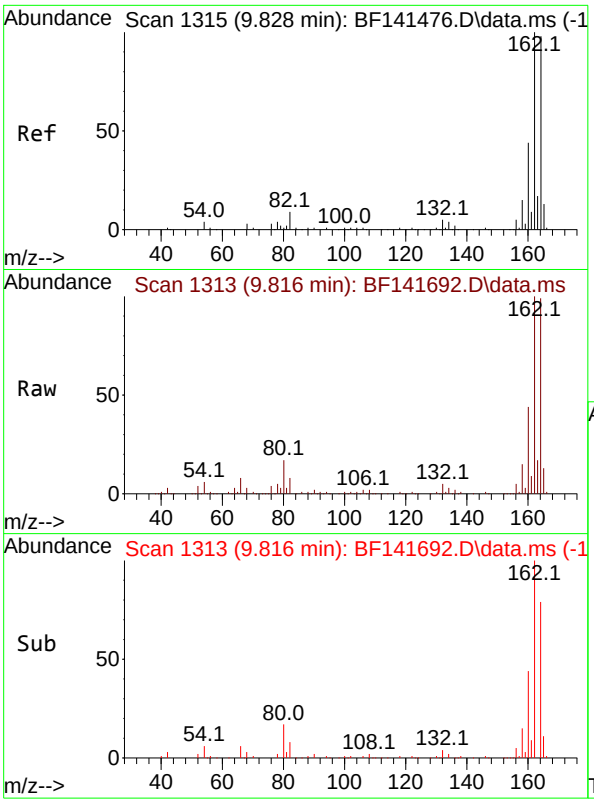


#38
1-Methylnaphthalene
Concen: 39.169 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:142 Resp: 471566

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.1	108.1

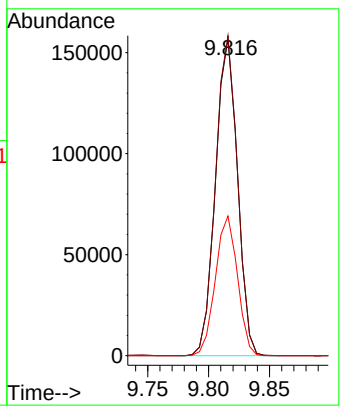




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:164 Resp: 19702

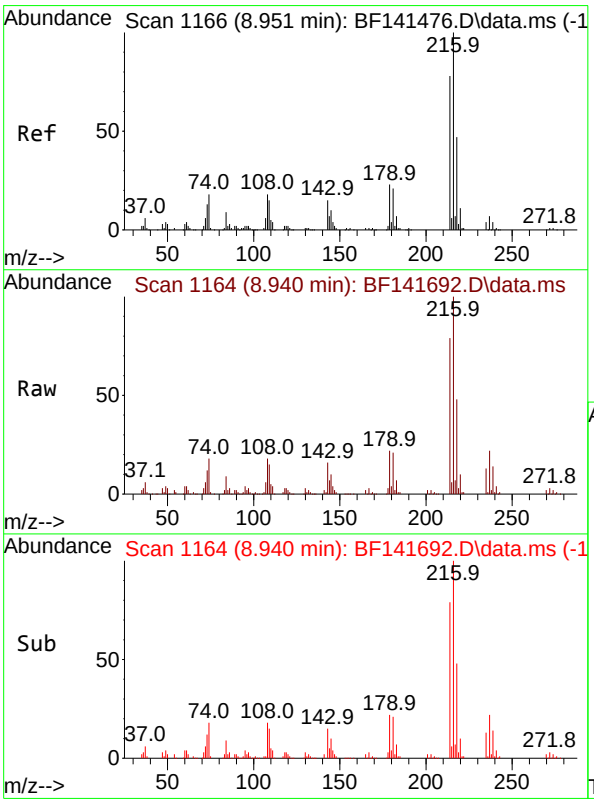
Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.3	121.9
160	44.1	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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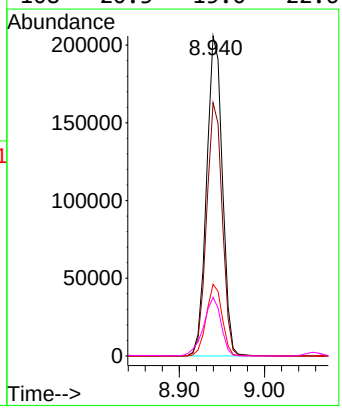
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

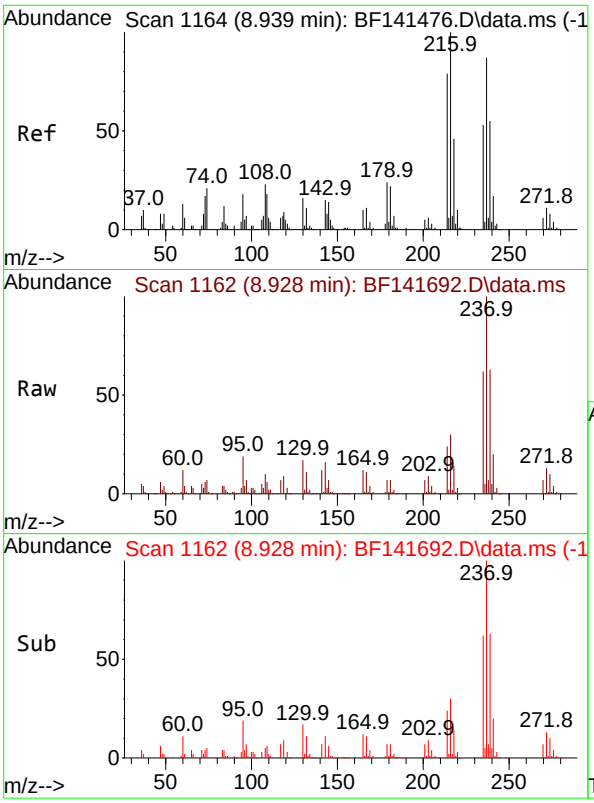


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.350 ng
RT: 8.940 min Scan# 1164
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:216 Resp: 264210

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.3	93.5
179	22.5	18.0	27.0
108	20.3	15.0	22.6

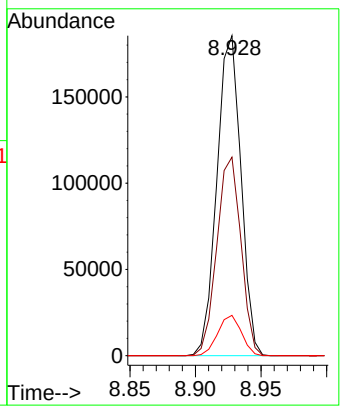




#41
Hexachlorocyclopentadiene
Concen: 124.735 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:237 Resp: 23649

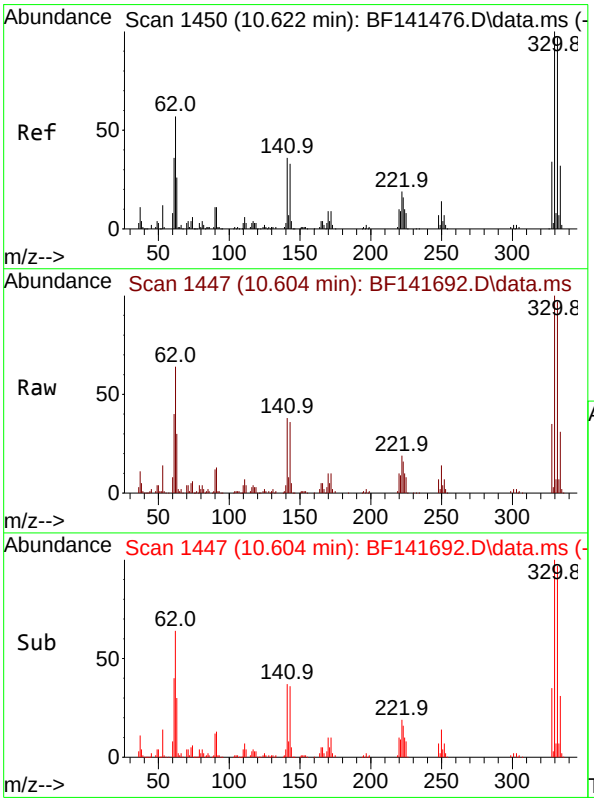
Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.4	81.4
272	12.6	0.0	32.4



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

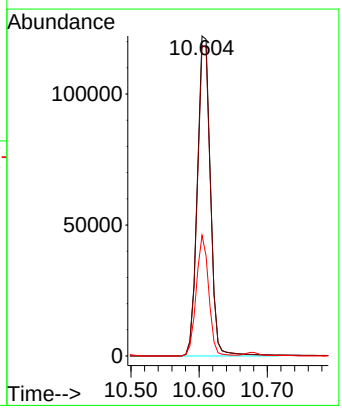
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

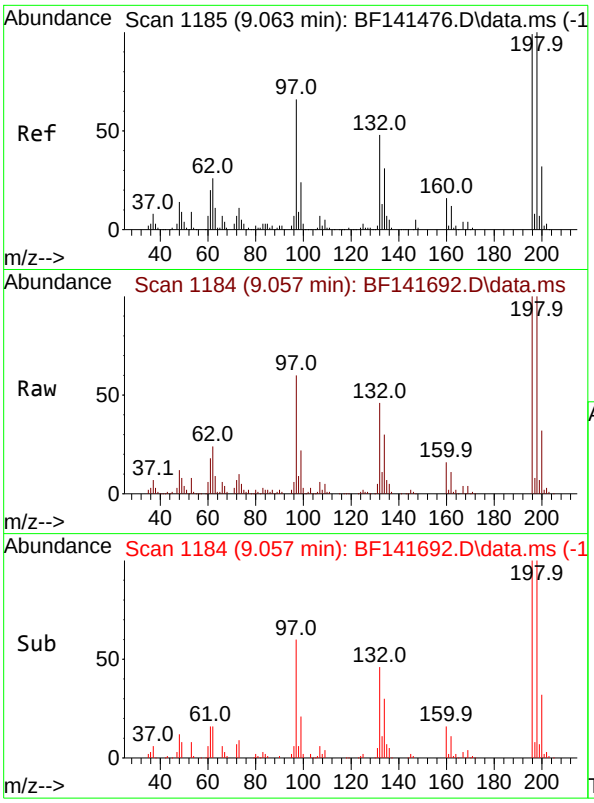


#42
2,4,6-Tribromophenol
Concen: 82.496 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:330 Resp: 163279

Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.5	117.7
141	35.6	31.0	46.4

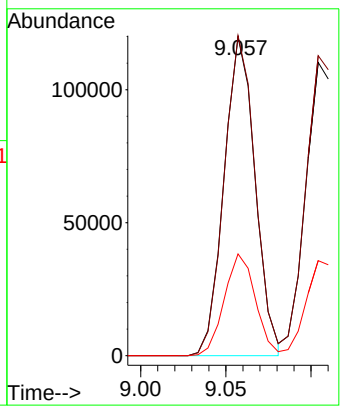




#43
2,4,6-Trichlorophenol
Concen: 41.266 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:196 Resp: 15203

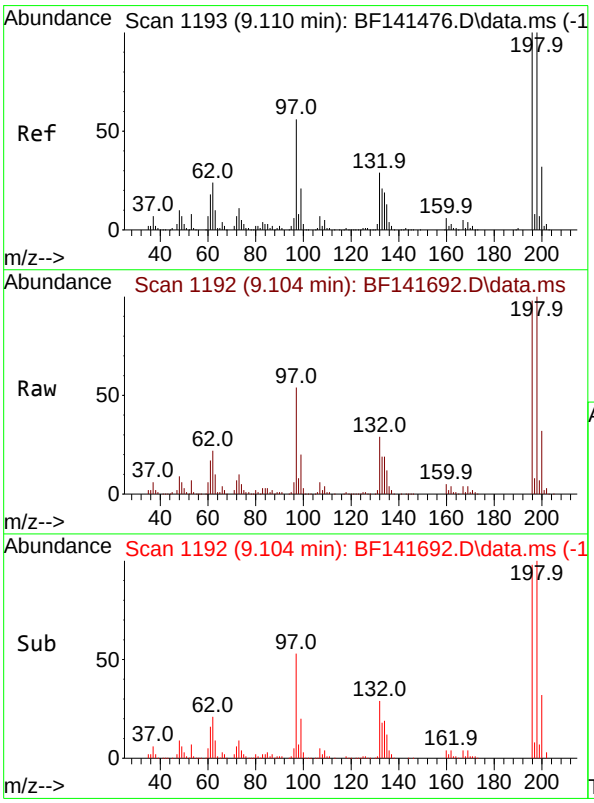
Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.6	121.0
200	32.0	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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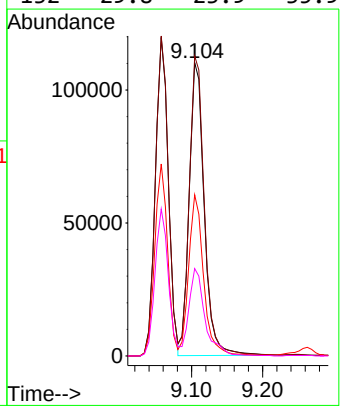
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

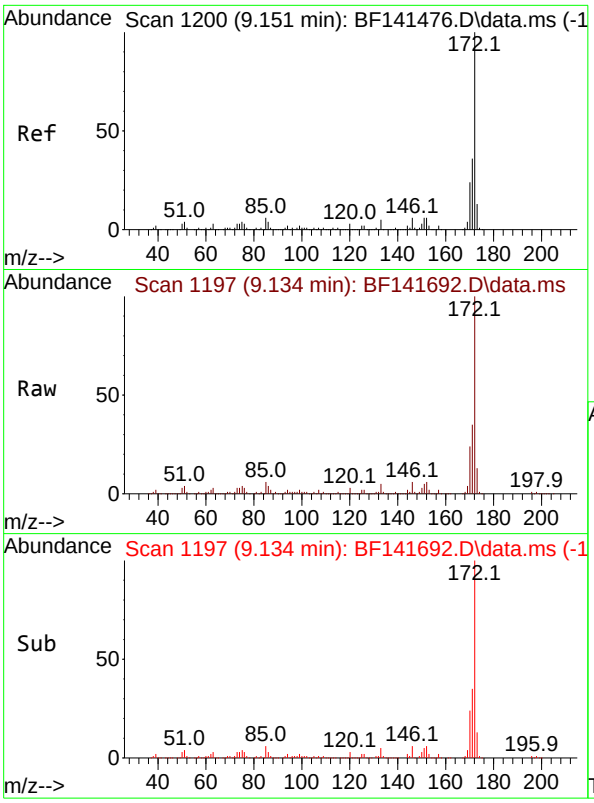


#44
2,4,5-Trichlorophenol
Concen: 40.580 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:196 Resp: 162026

Ion	Ratio	Lower	Upper
196	100		
198	102.3	79.8	119.8
97	54.9	44.8	67.2
132	29.8	23.9	35.9

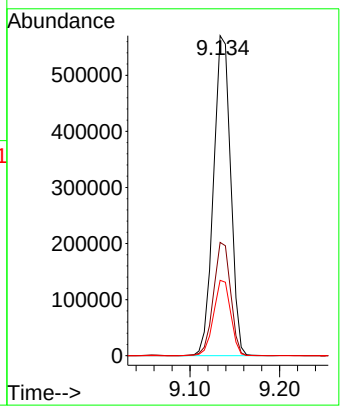




#45
2-Fluorobiphenyl
Concen: 59.206 ng
RT: 9.134 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:172 Resp: 75716

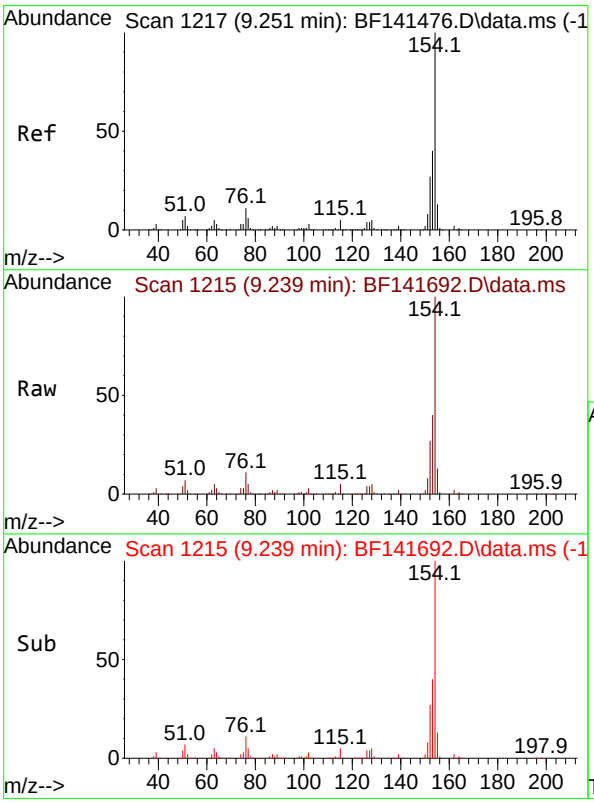
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.5	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

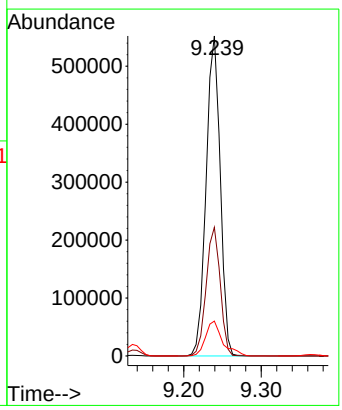
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

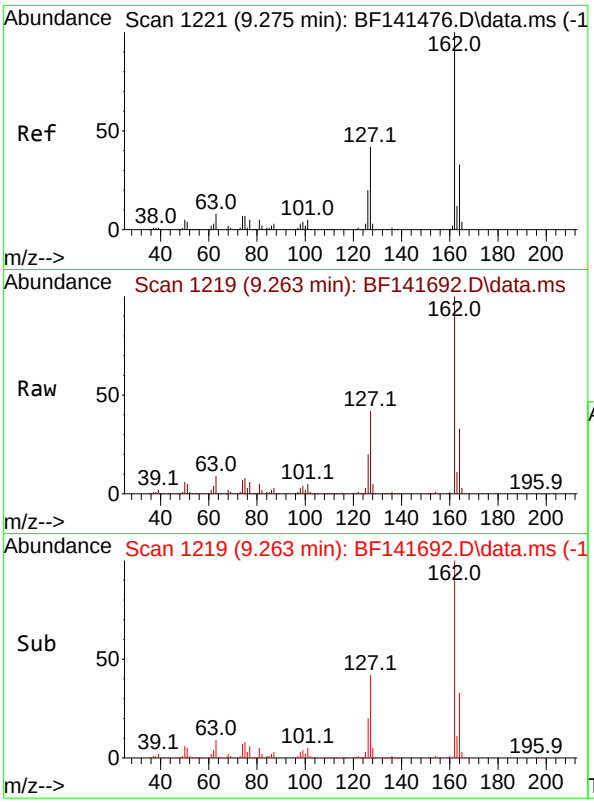


#46
1,1'-Biphenyl
Concen: 45.601 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:154 Resp: 696564

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	10.9	0.0	30.8

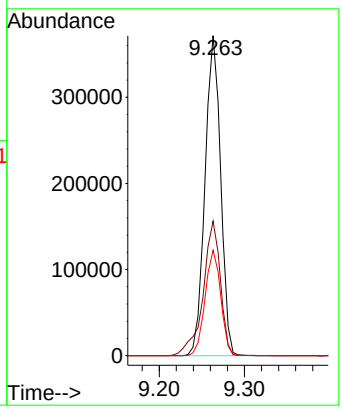




#47
2-Chloronaphthalene
Concen: 41.896 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:162 Resp: 47324

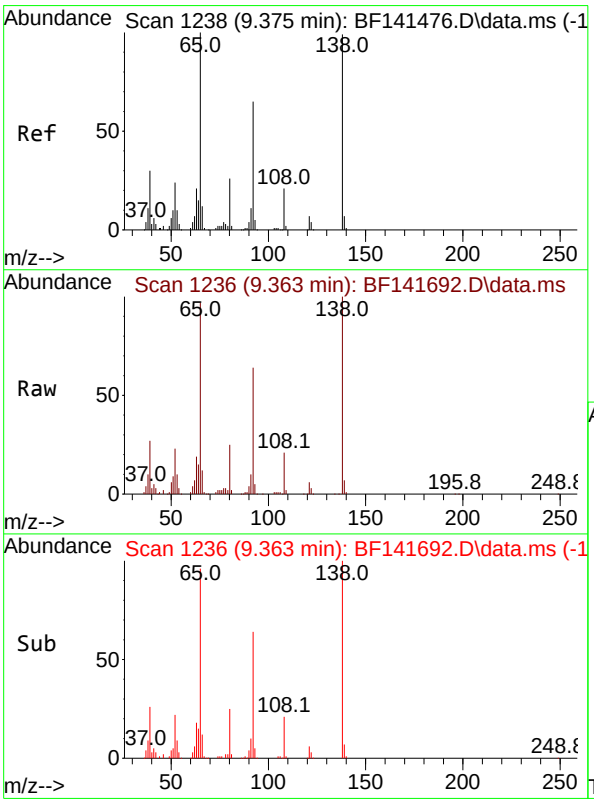
Ion	Ratio	Lower	Upper
162	100		
127	42.0	34.1	51.1
164	33.0	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

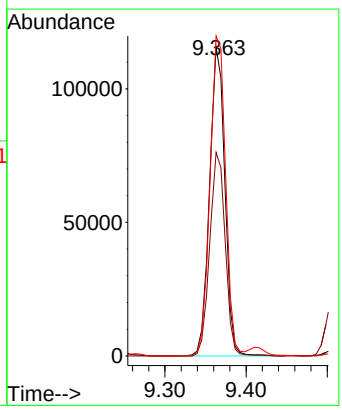
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

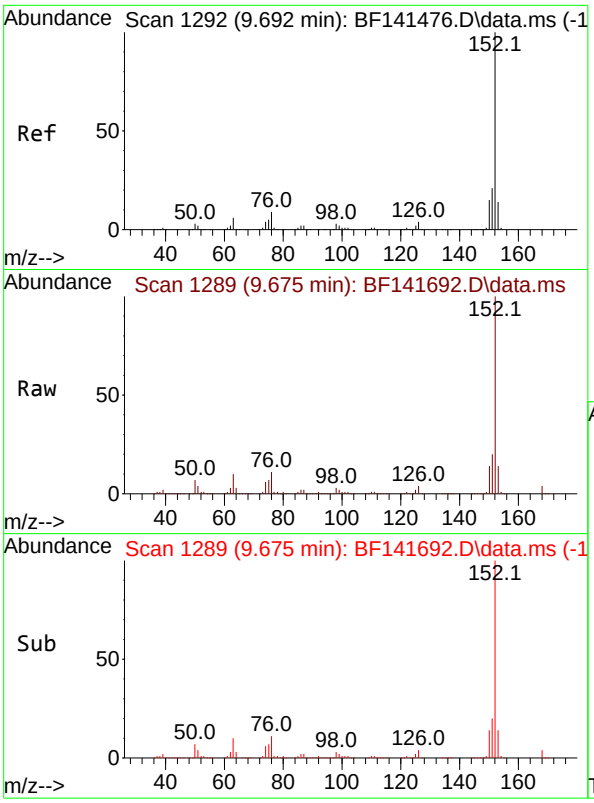


#48
2-Nitroaniline
Concen: 39.967 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 65 Resp: 151507

Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.2	78.2
138	103.6	79.5	119.3

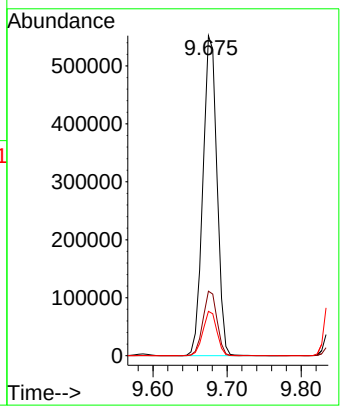




#49
Acenaphthylene
Concen: 43.316 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:152 Resp: 72775

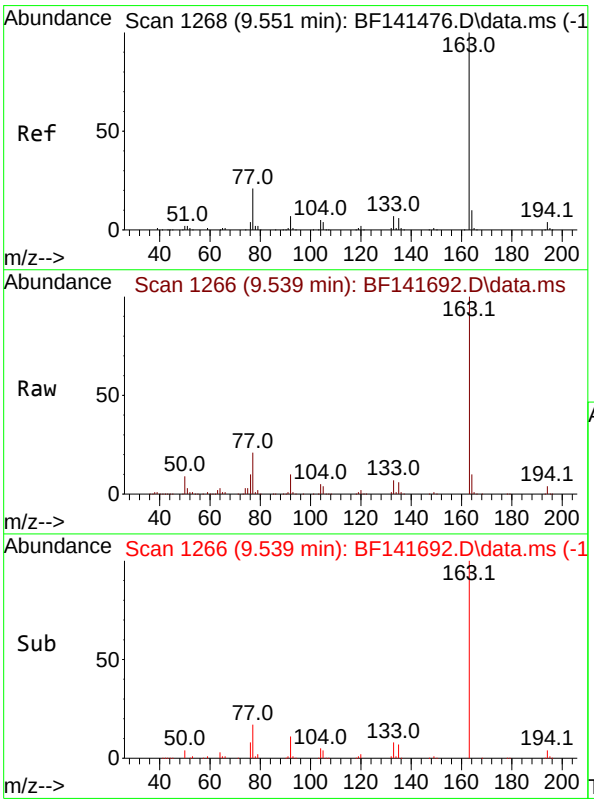
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.8	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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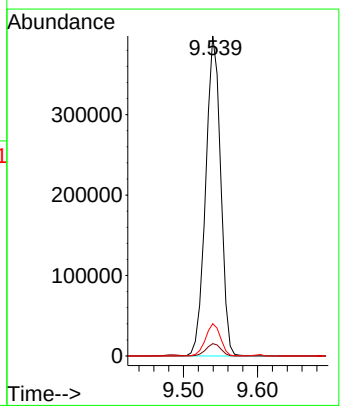
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

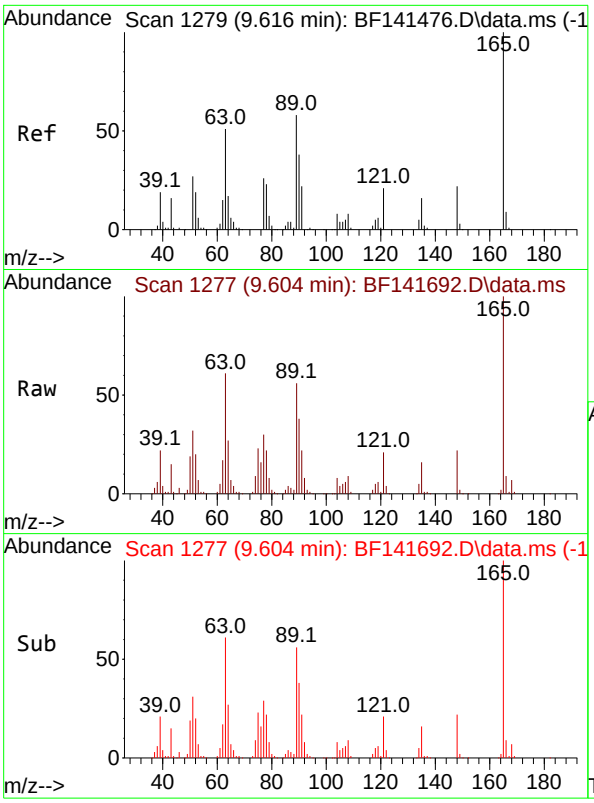


#50
Dimethylphthalate
Concen: 41.749 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:163 Resp: 558426

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: 42.186 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

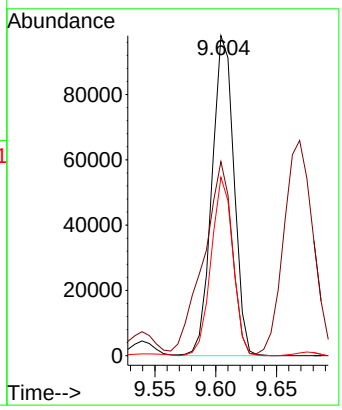
Tgt Ion:165 Resp: 12335

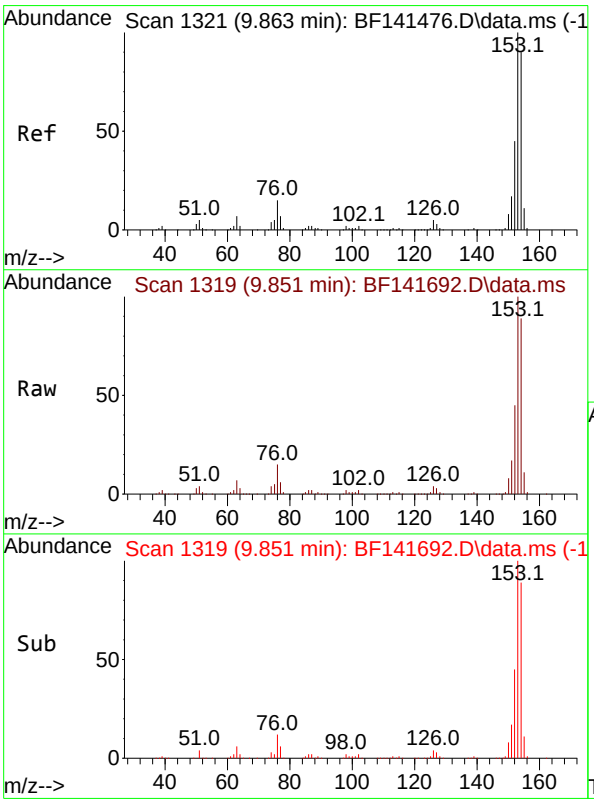
Ion	Ratio	Lower	Upper
165	100		
63	60.7	49.4	74.0
89	55.8	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

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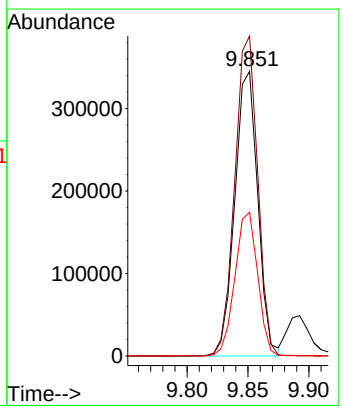


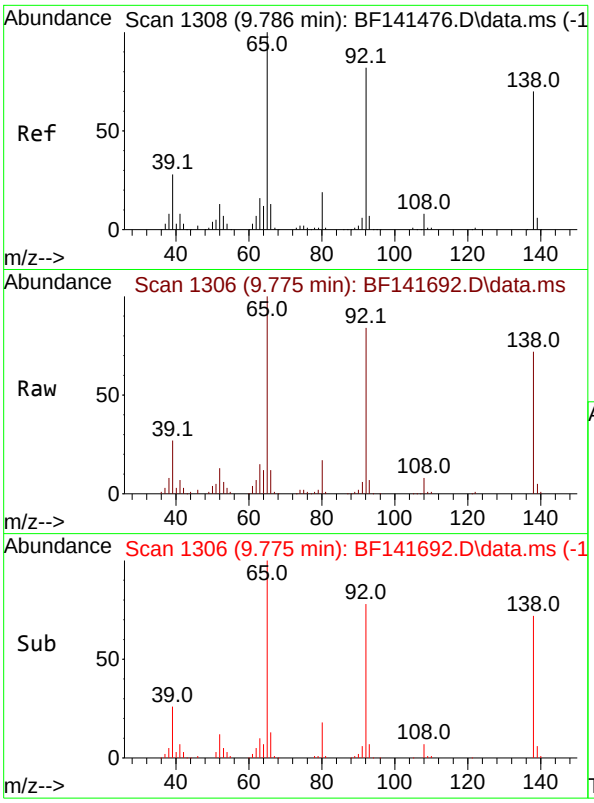


#52
Acenaphthene
Concen: 40.125 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:154 Resp: 453211

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.2	133.8
152	50.5	39.8	59.8

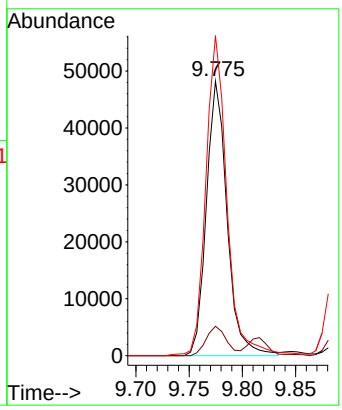




#53
3-Nitroaniline
Concen: 20.758 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:138 Resp: 6533

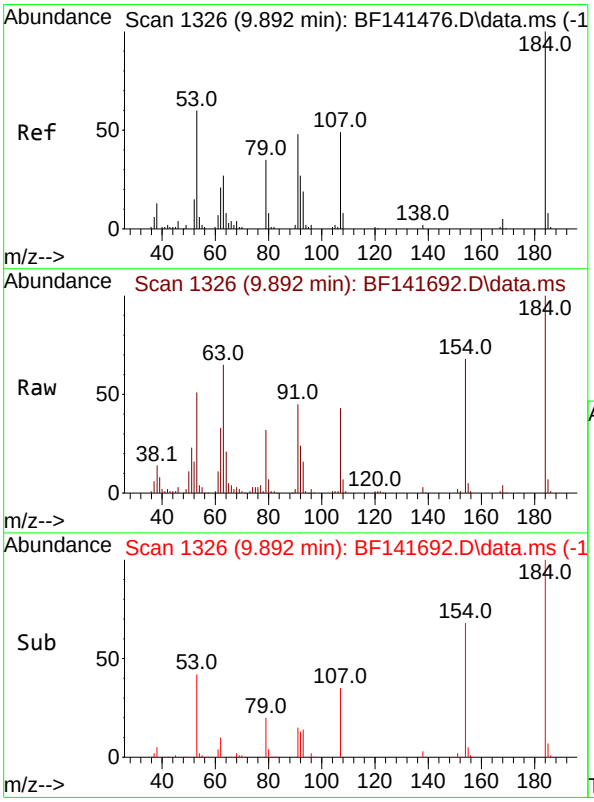
Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	116.6	93.7	140.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

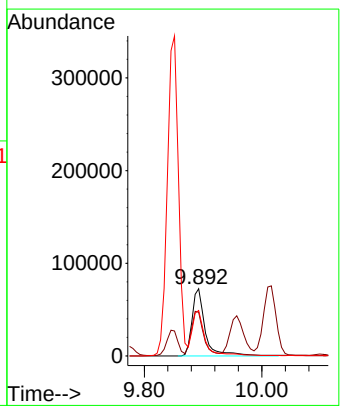
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

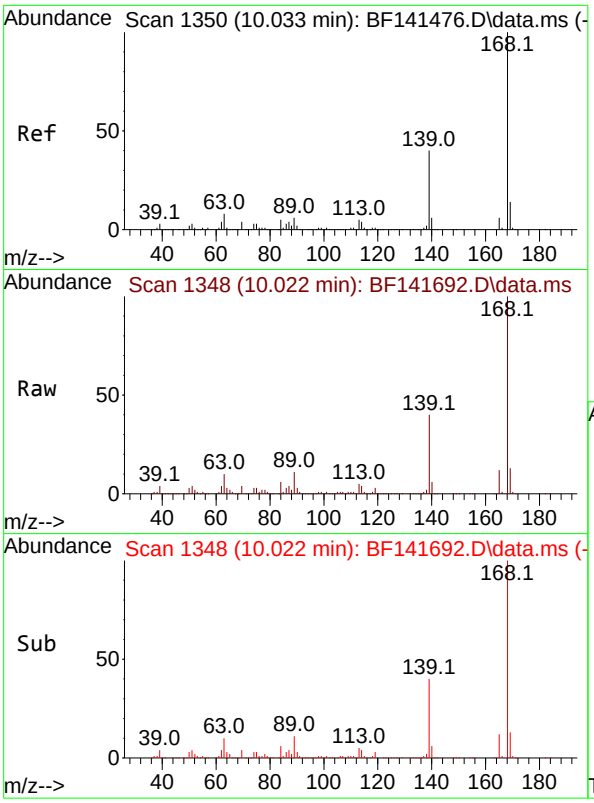


#54
2,4-Dinitrophenol
Concen: 65.266 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:184 Resp: 113421

Ion	Ratio	Lower	Upper
184	100		
63	65.1	61.0	91.6
154	67.5	59.9	89.9

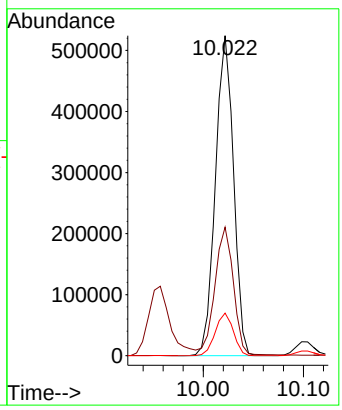




#55
Dibenzofuran
Concen: 39.631 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:168 Resp: 65704

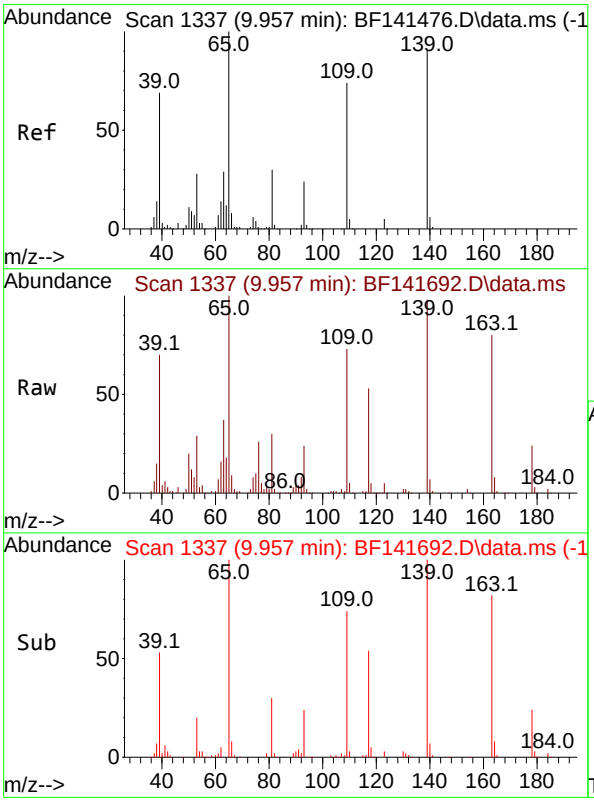
Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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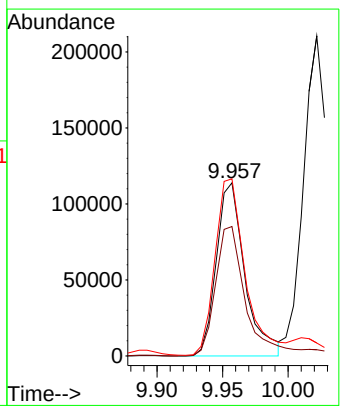
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

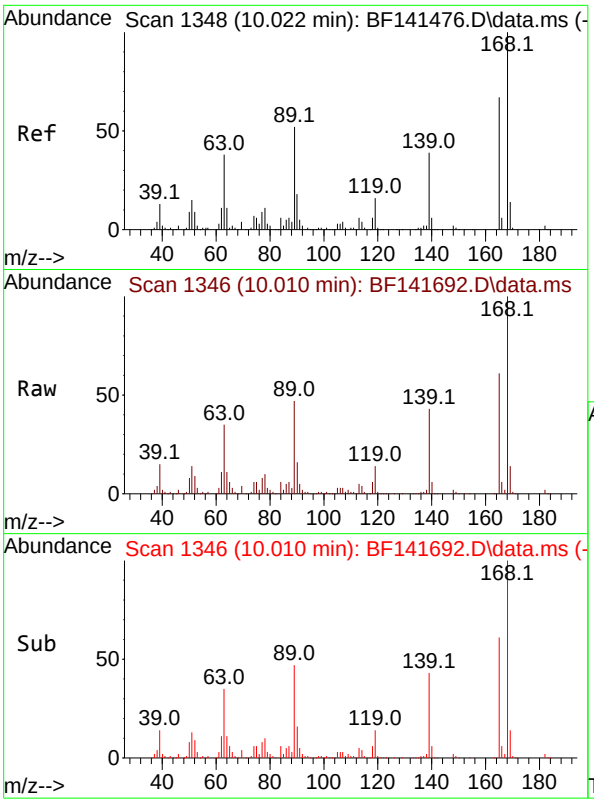


#56
4-Nitrophenol
Concen: 73.719 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:139 Resp: 172225

Ion	Ratio	Lower	Upper
139	100		
109	74.8	62.0	102.0
65	102.3	91.2	131.2

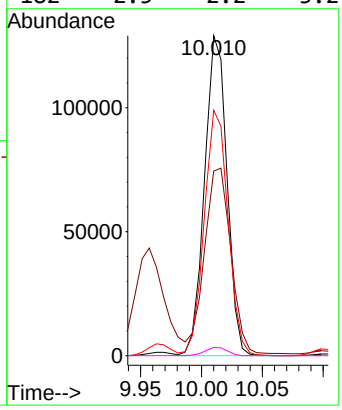




#57
2,4-Dinitrotoluene
Concen: 42.505 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:165 Resp: 16545

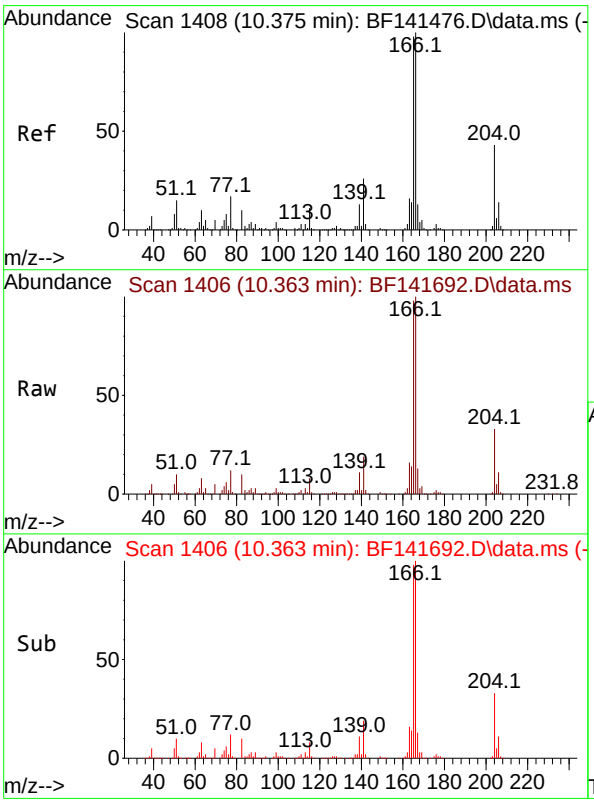
Ion	Ratio	Lower	Upper
165	100		
63	57.7	46.4	69.6
89	76.7	61.8	92.6
182	2.5	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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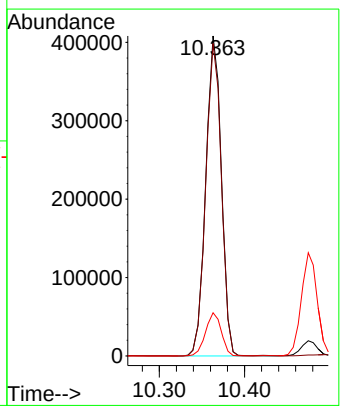
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

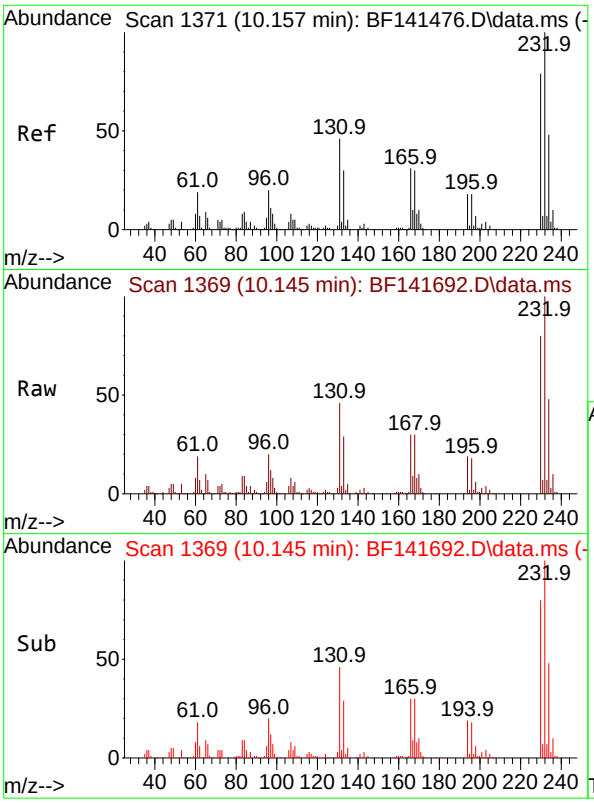


#58
Fluorene
Concen: 40.584 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:166 Resp: 520245

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.2
167	13.5	10.7	16.1

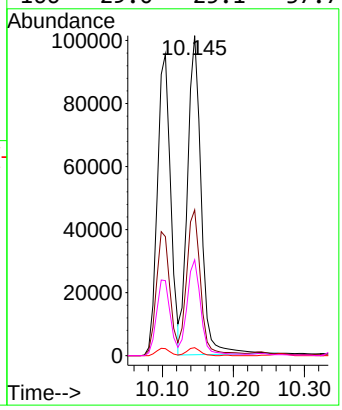




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.512 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:232 Resp: 13582

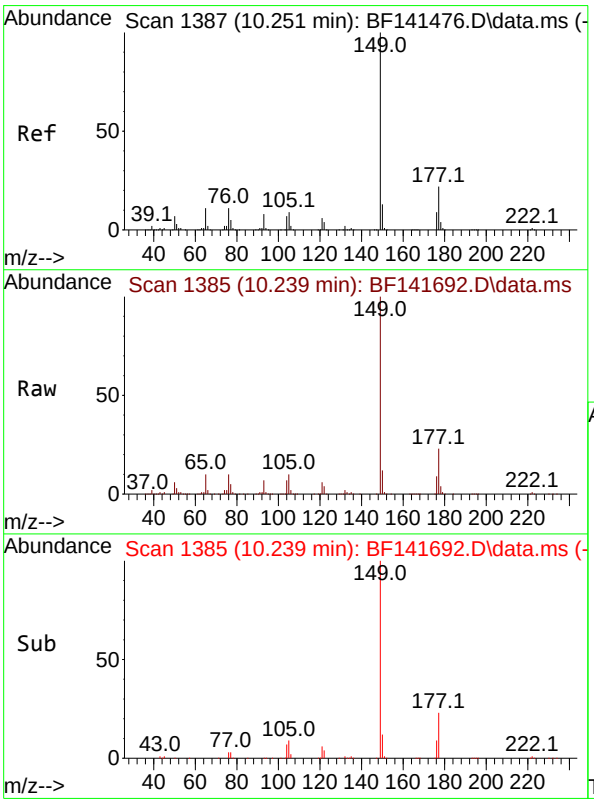
Ion	Ratio	Lower	Upper
232	100		
131	46.3	39.2	58.8
130	2.5	2.1	3.1
166	29.0	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

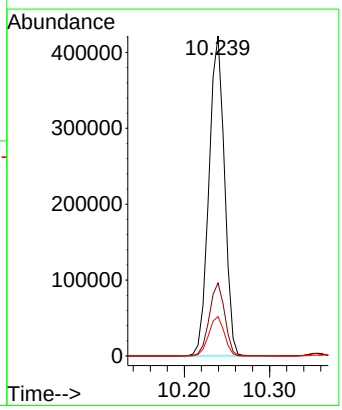
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

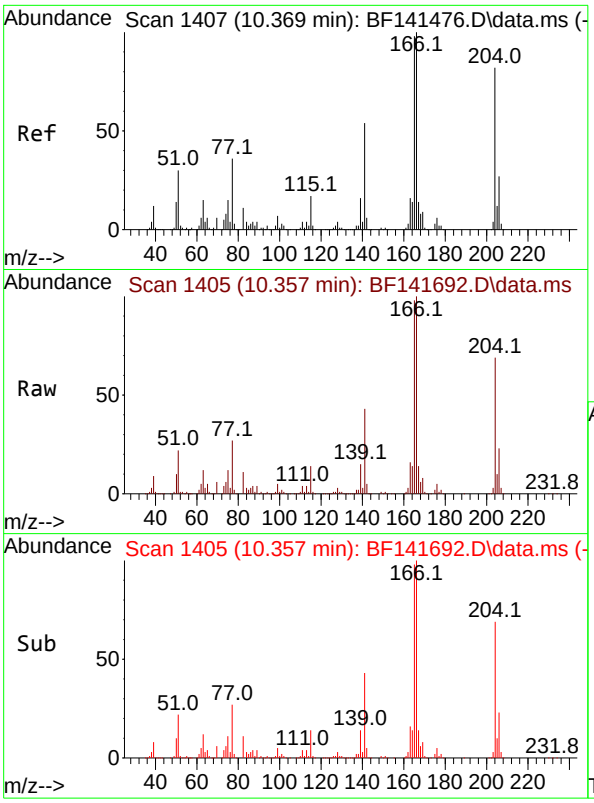


#60
Diethylphthalate
Concen: 40.580 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 534039

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.6
150	12.3	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.326 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

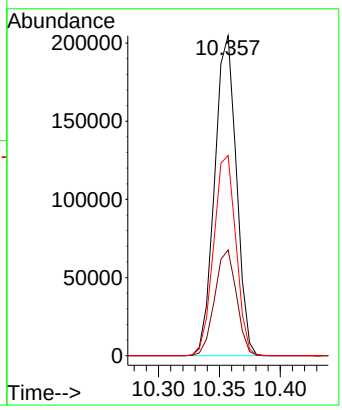
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

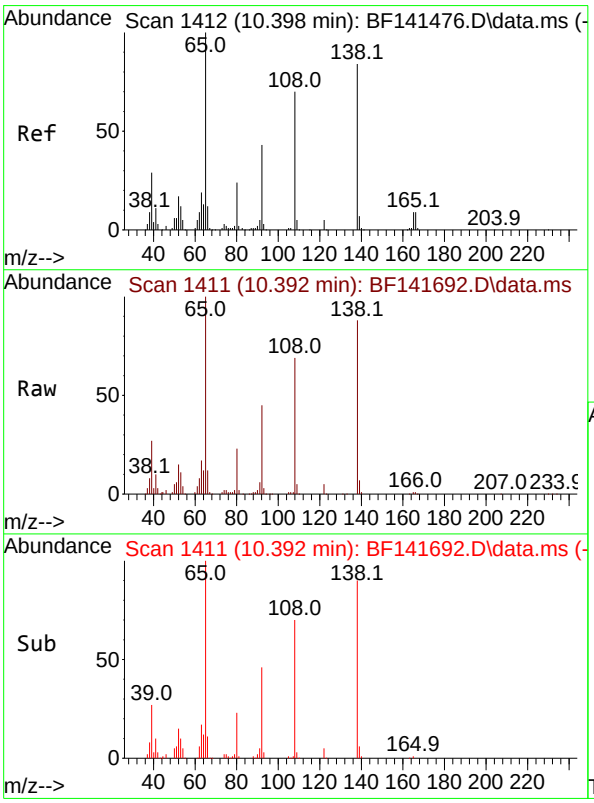
Tgt Ion:204 Resp: 25486

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	62.6	51.9	77.9

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

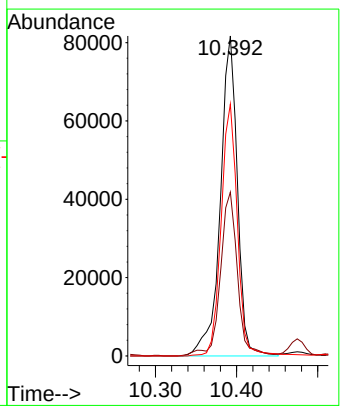


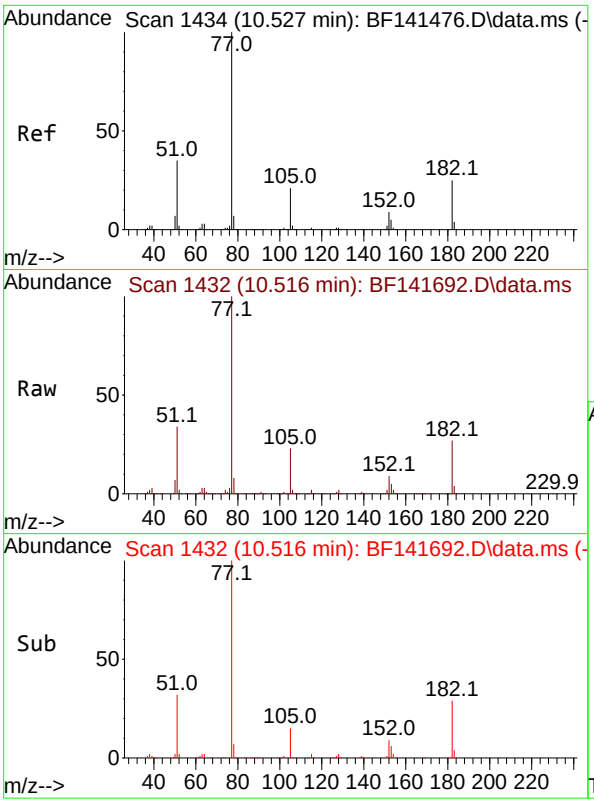


#62
4-Nitroaniline
Concen: 37.551 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:138 Resp: 120000

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.3	71.3
108	78.7	63.7	103.7

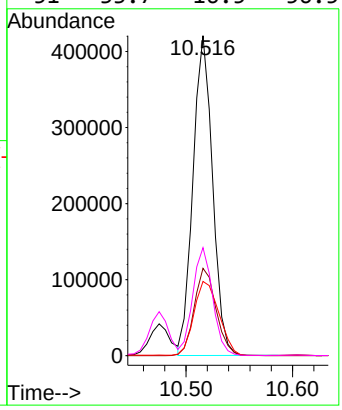




#63
Azobenzene
Concen: 41.117 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 77 Resp: 53793

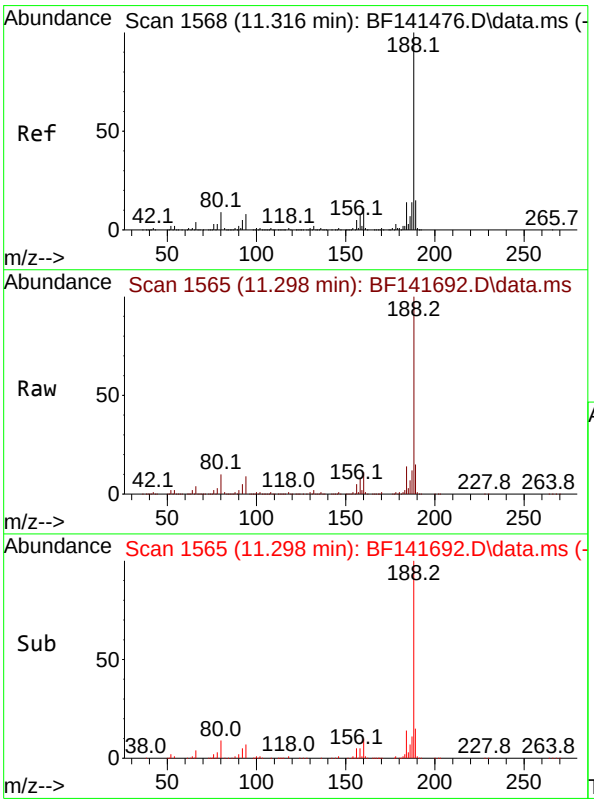
Ion	Ratio	Lower	Upper
77	100		
182	27.3	4.7	44.7
105	23.2	0.4	40.4
51	33.7	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

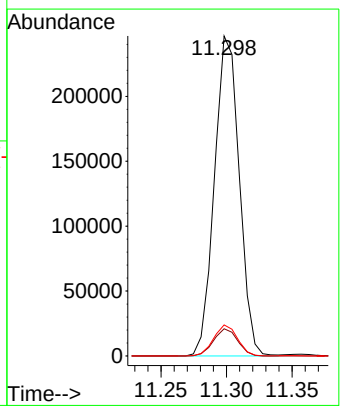
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

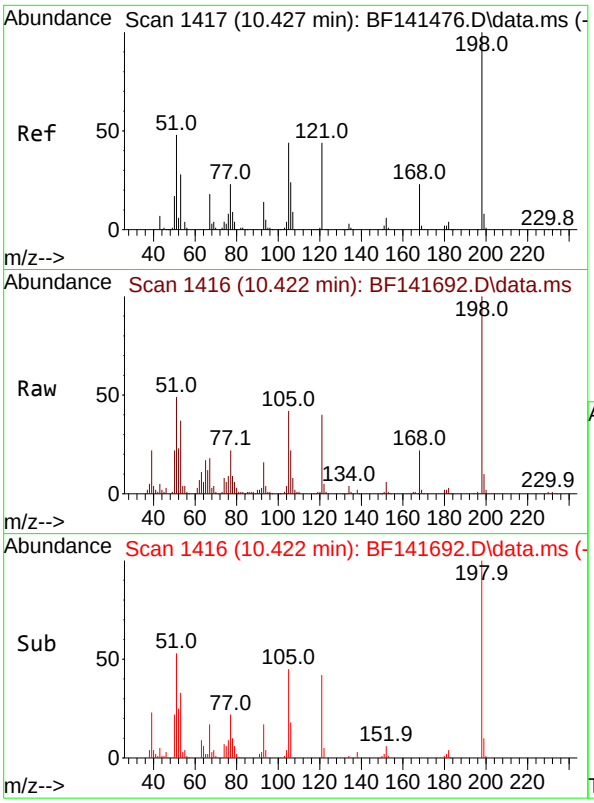


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:188 Resp: 324047

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.7	7.3	10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 36.706 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

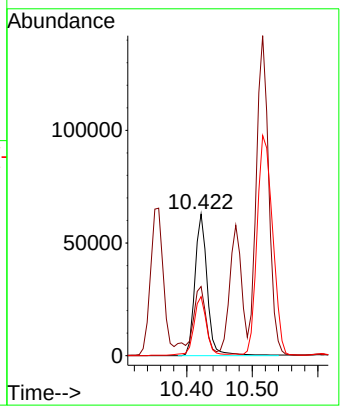
Tgt Ion:198 Resp: 8262

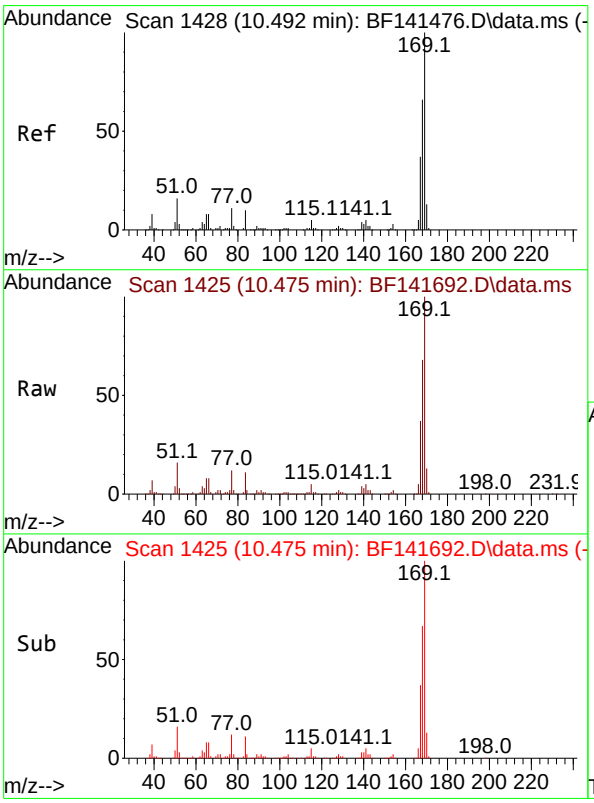
Ion	Ratio	Lower	Upper
198	100		
51	48.8	37.4	77.4
105	41.7	25.2	65.2

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

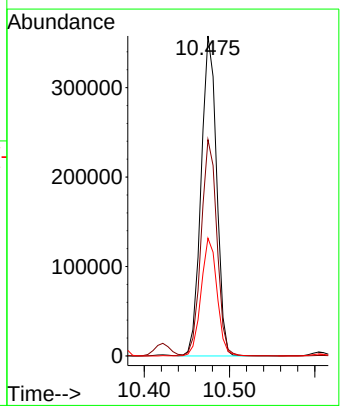


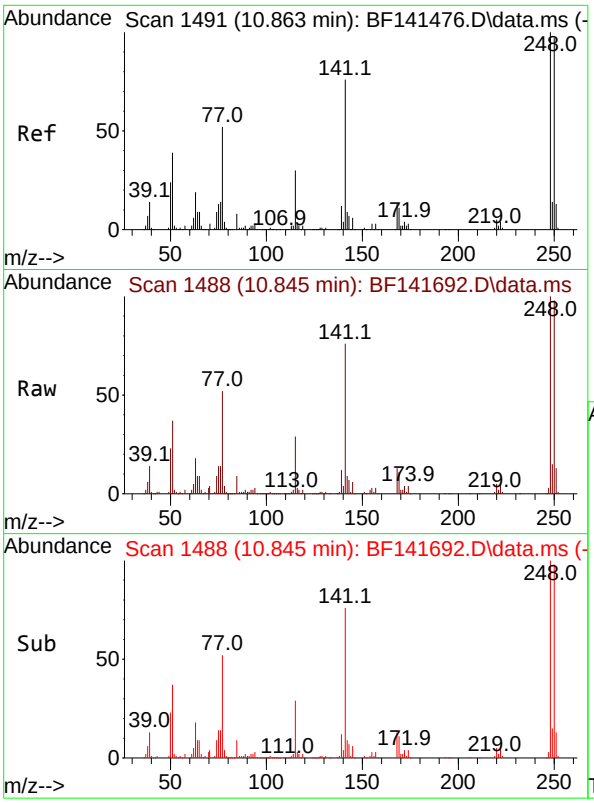


#66
n-Nitrosodiphenylamine
Concen: 43.593 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:169 Resp: 452194

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.3	79.9
167	36.8	29.4	44.2

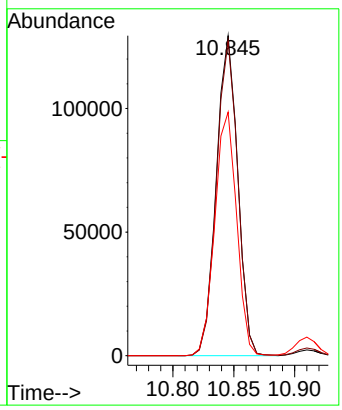




#67
4-Bromophenyl-phenylether
Concen: 43.757 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:248 Resp: 15847

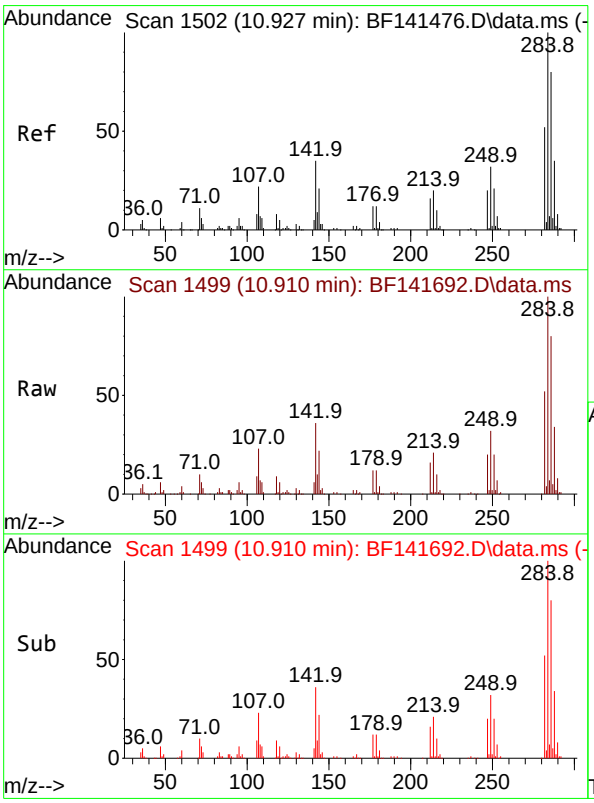
Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.8	116.6
141	76.1	60.6	90.8



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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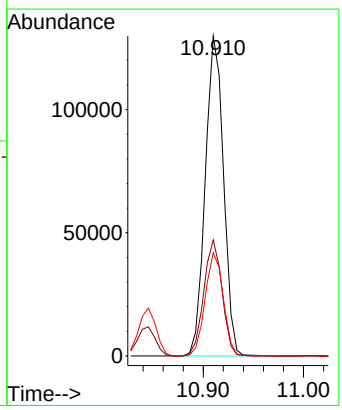
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

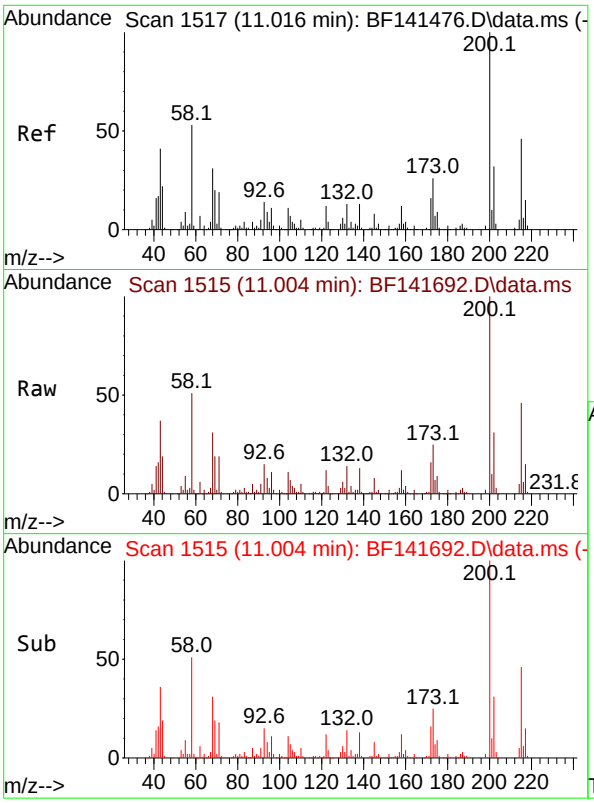


#68
Hexachlorobenzene
Concen: 44.060 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:284 Resp: 164312

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.0	42.0
249	32.2	25.8	38.8

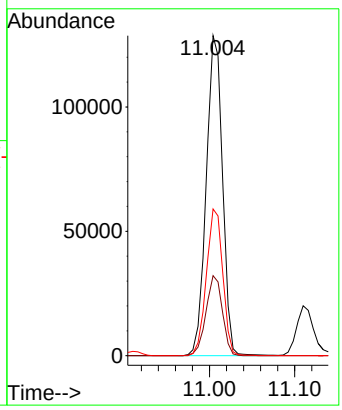




#69
Atrazine
Concen: 54.892 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:200 Resp: 17081

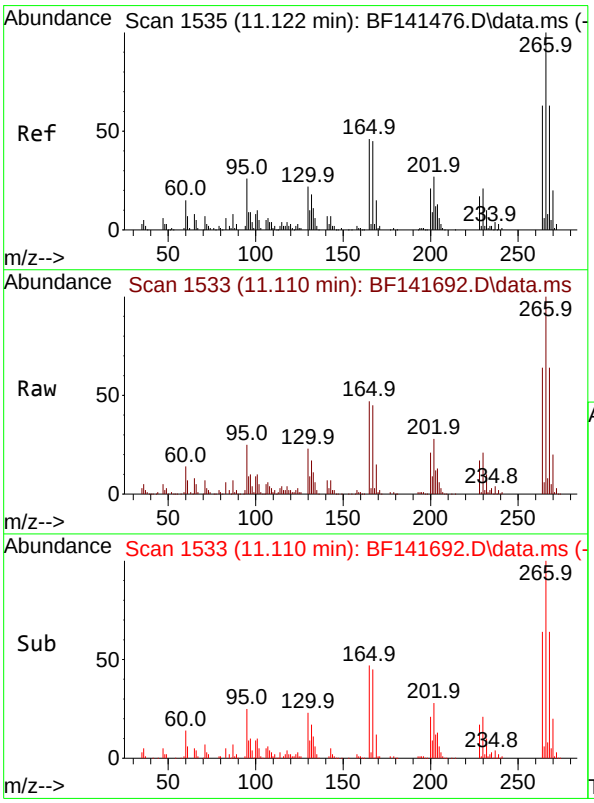
Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.9	45.9
215	45.9	25.9	65.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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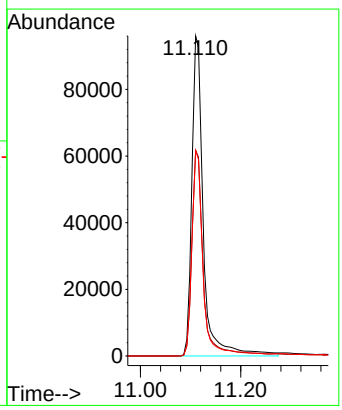
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

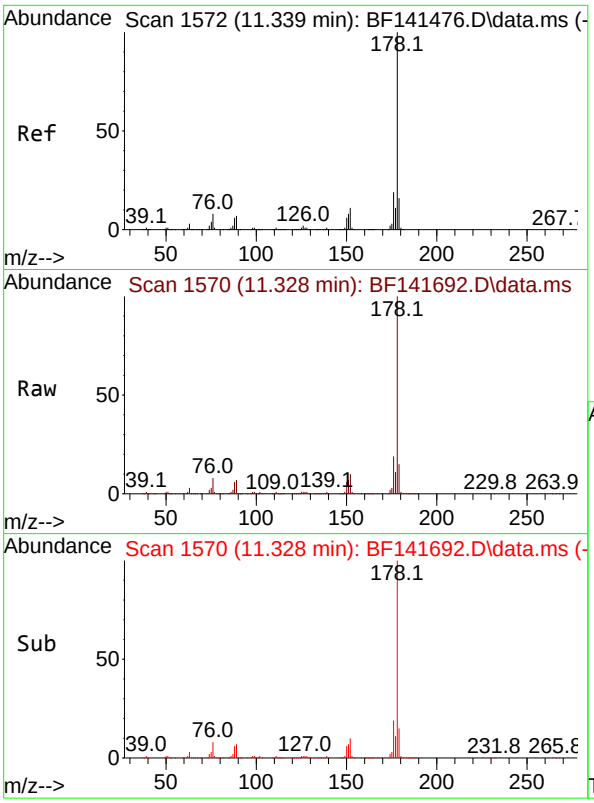


#70
Pentachlorophenol
Concen: 64.066 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:266 Resp: 152772

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.1	75.1
264	64.2	50.1	75.1

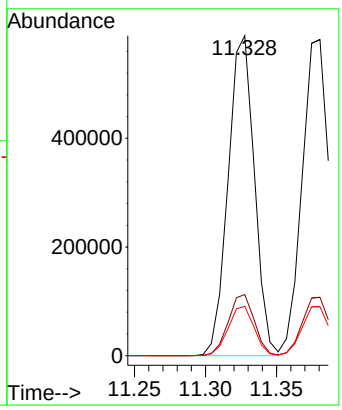




#71
Phenanthrene
Concen: 42.586 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:178 Resp: 75962

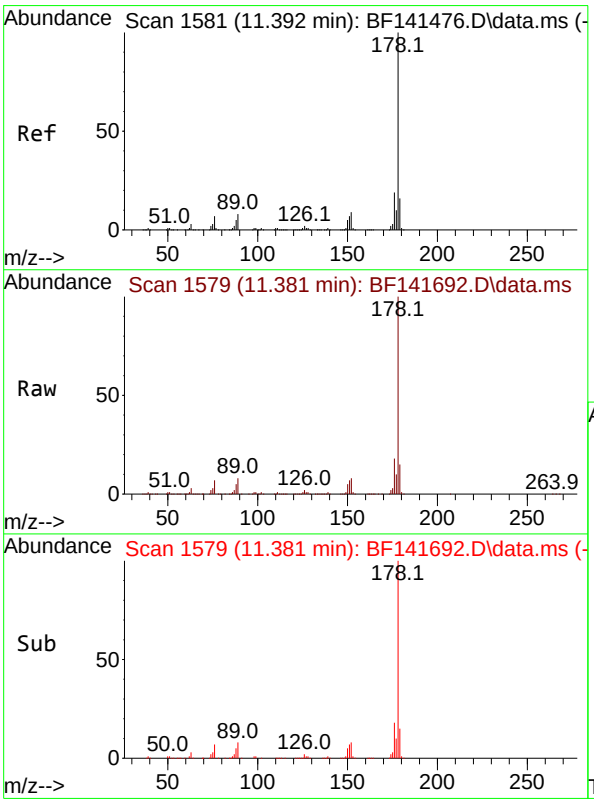
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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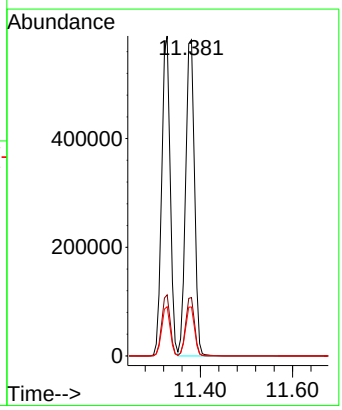
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

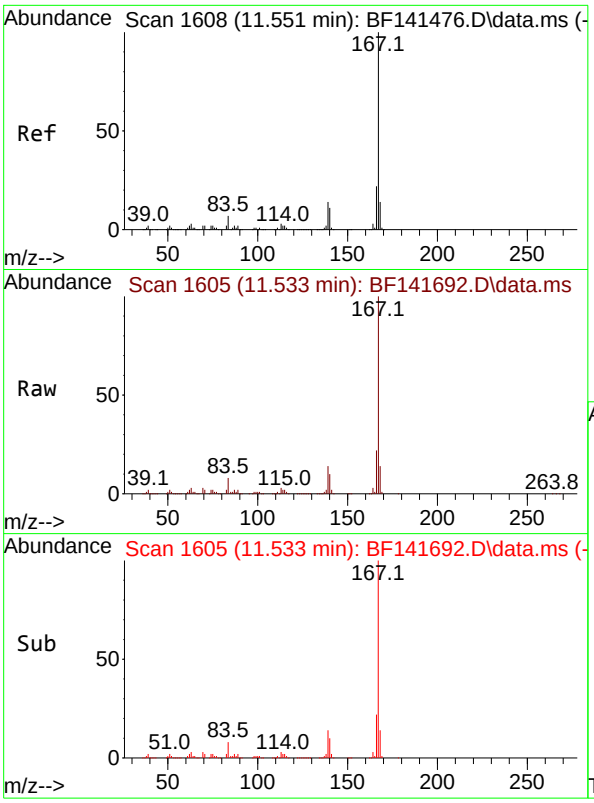


#72
Anthracene
Concen: 43.348 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:178 Resp: 777263

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6

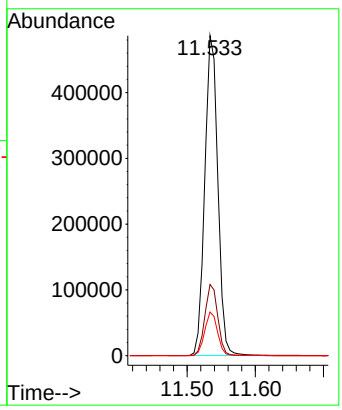




#73
Carbazole
Concen: 40.189 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:167 Resp: 64841

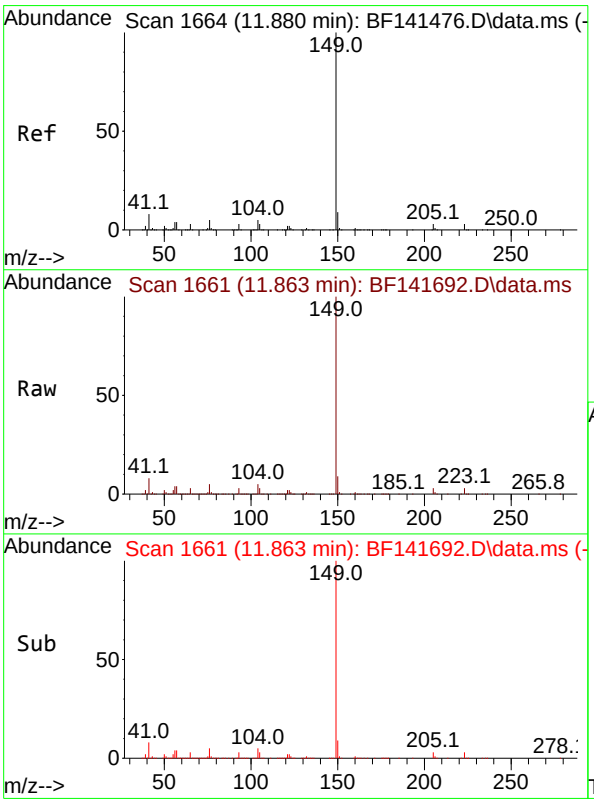
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

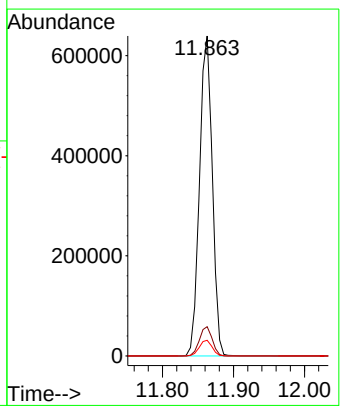
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

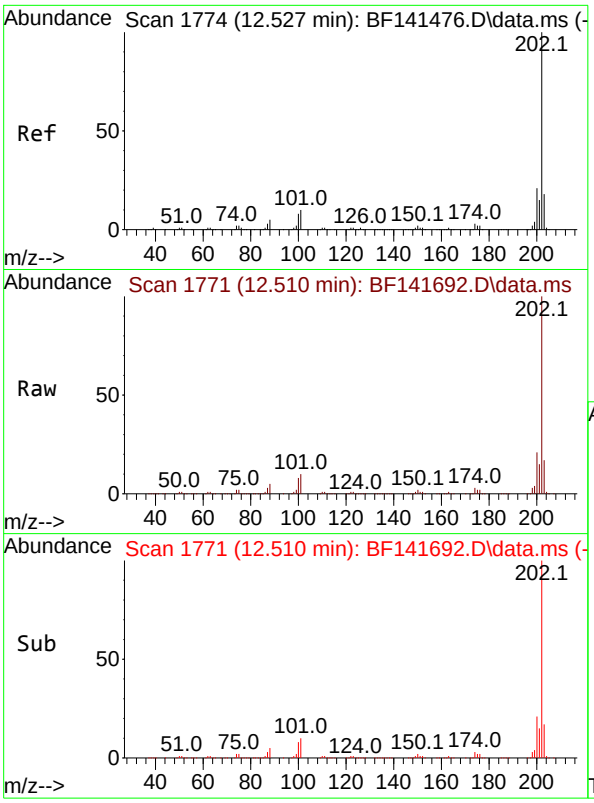


#74
Di-n-butylphthalate
Concen: 43.100 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 802925

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.9	4.2	6.2

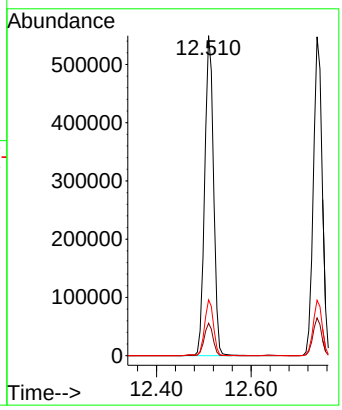




#75
Fluoranthene
Concen: 37.702 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:202 Resp: 71298

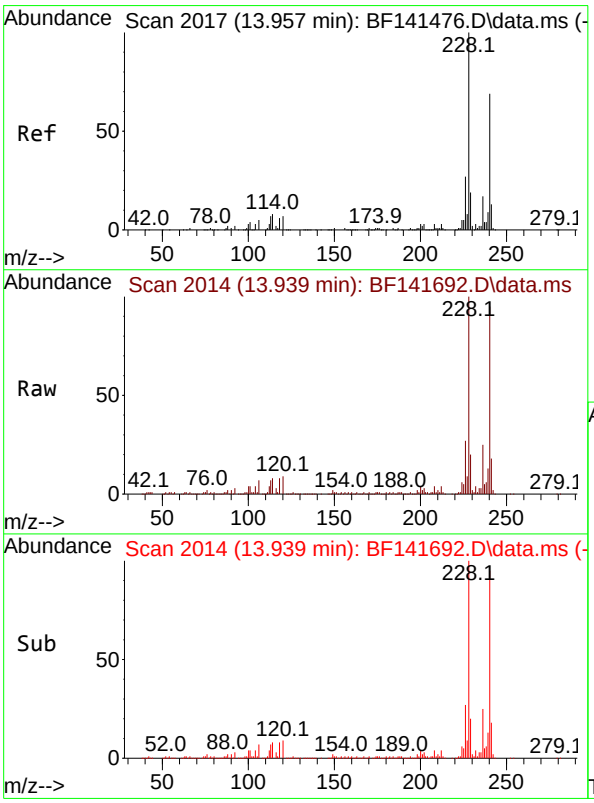
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.5	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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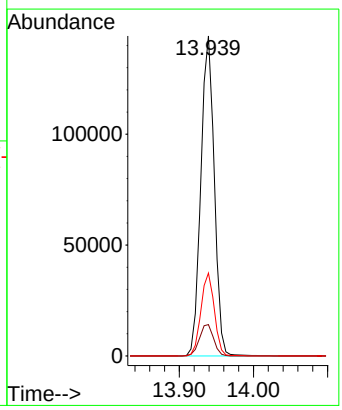
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

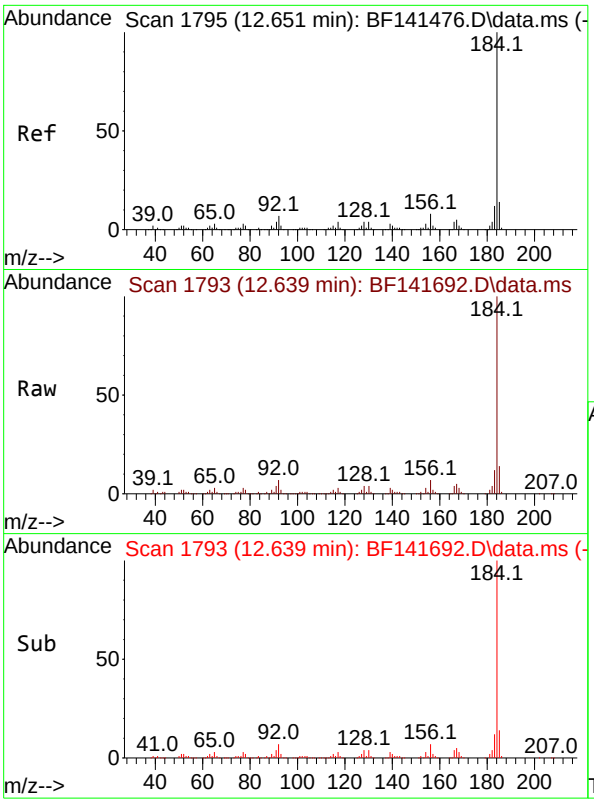


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:240 Resp: 182126

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.9	19.8	29.8

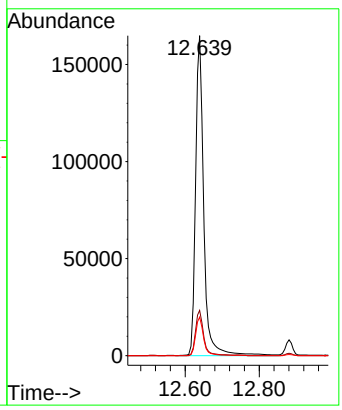




#77
Benzidine
Concen: 62.982 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:184 Resp: 25297

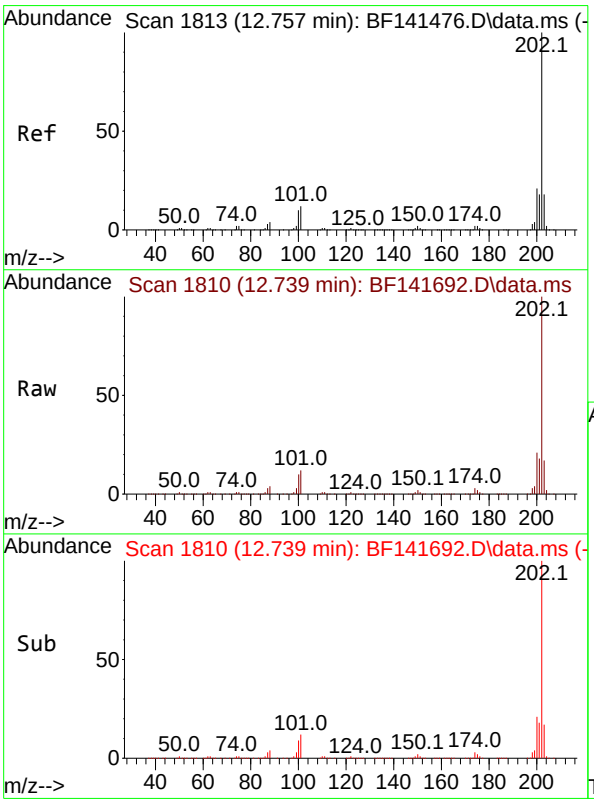
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	12.0	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

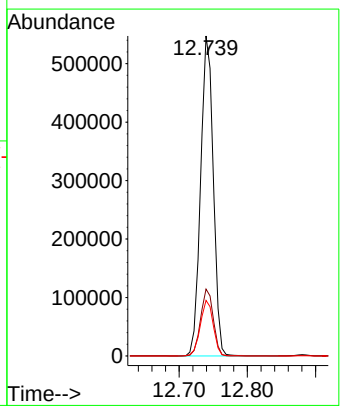
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

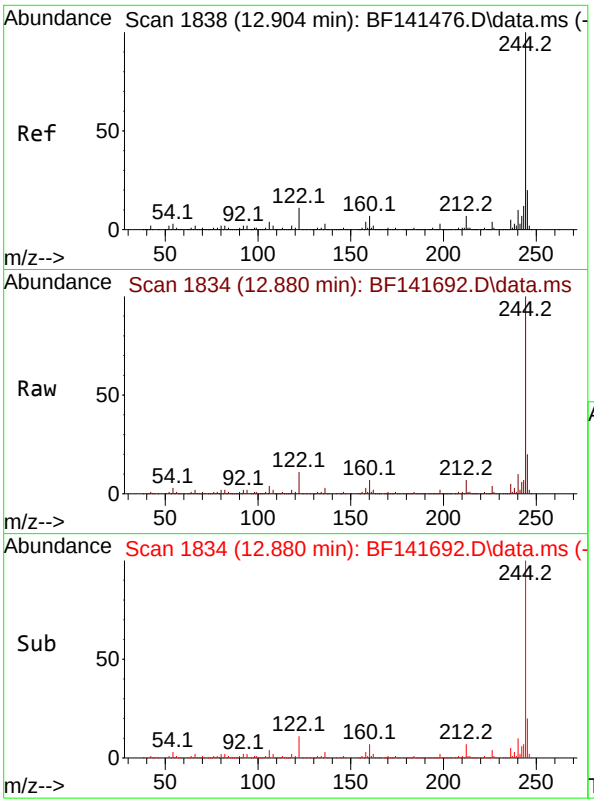


#78
Pyrene
Concen: 45.743 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:202 Resp: 709190

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	14.3	21.5

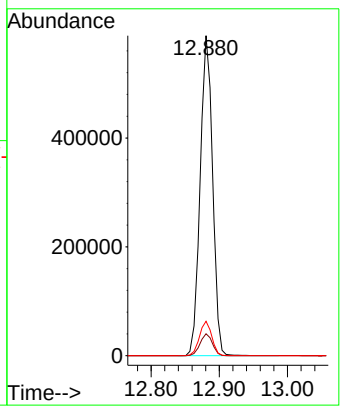




#79
Terphenyl-d14
Concen: 69.185 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:244 Resp: 74639

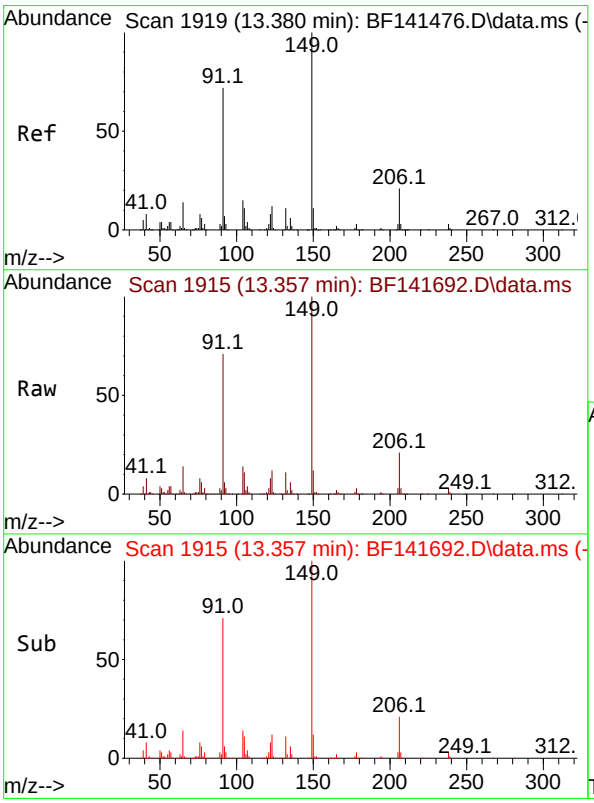
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.7	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

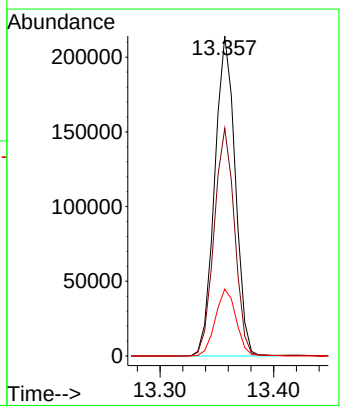
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

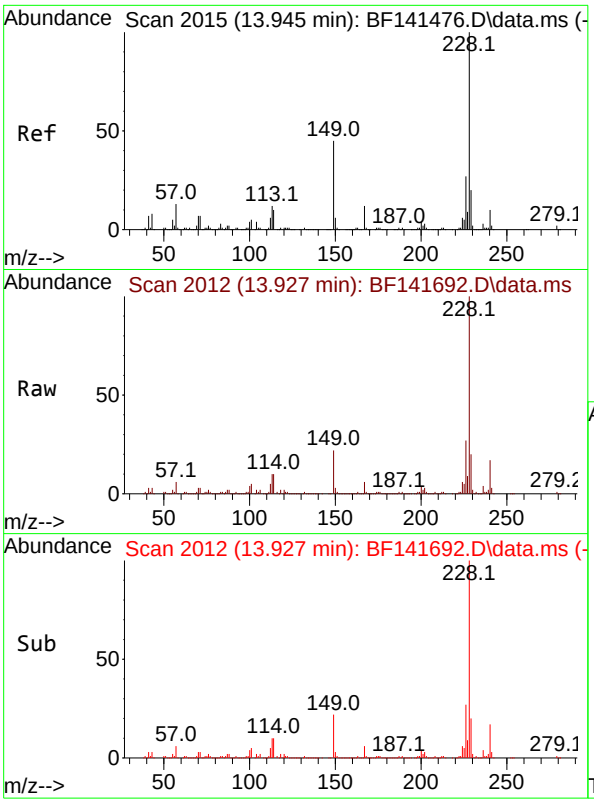


#80
Butylbenzylphthalate
Concen: 50.224 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 269709

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.8	86.8
206	20.9	16.7	25.1

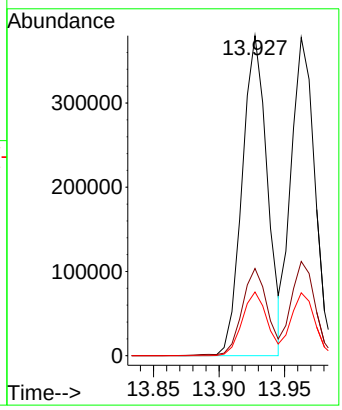




#81
Benzo(a)anthracene
Concen: 41.892 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:228 Resp: 50716

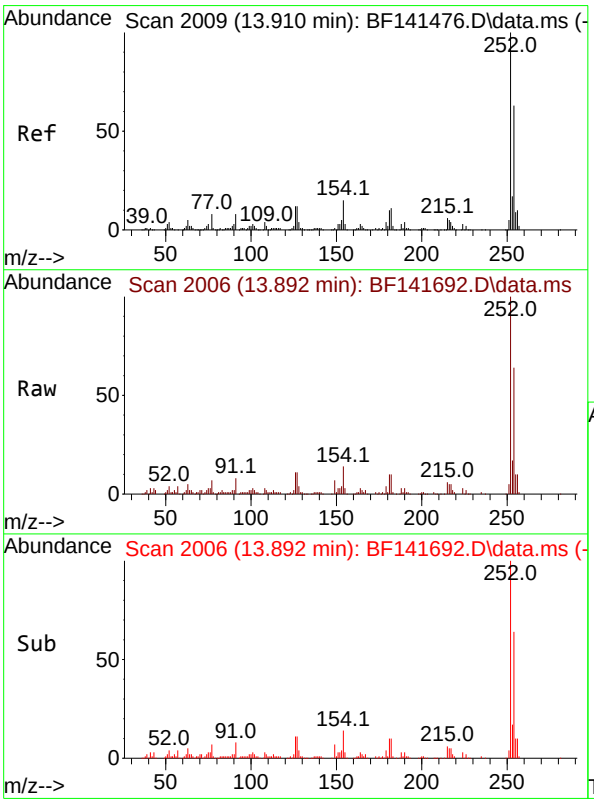
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

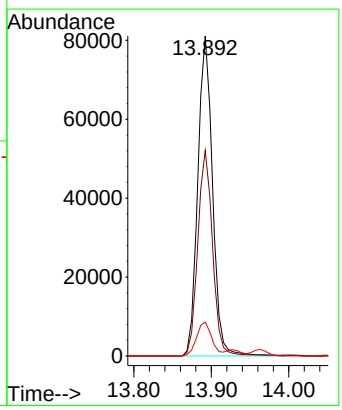
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

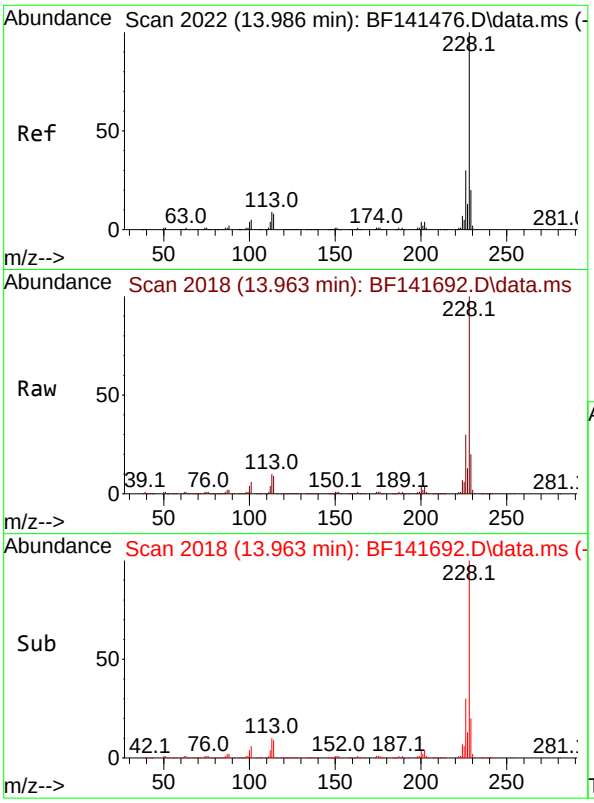


#82
3,3'-Dichlorobenzidine
Concen: 30.913 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:252 Resp: 107206

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.6	76.0
126	10.6	9.3	13.9

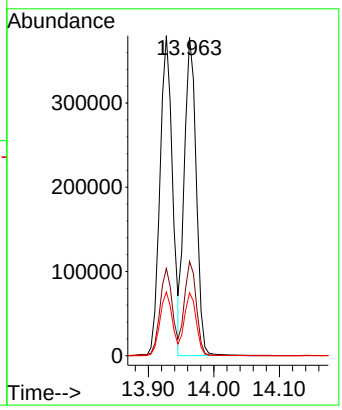




#83
Chrysene
Concen: 42.585 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:228 Resp: 47603

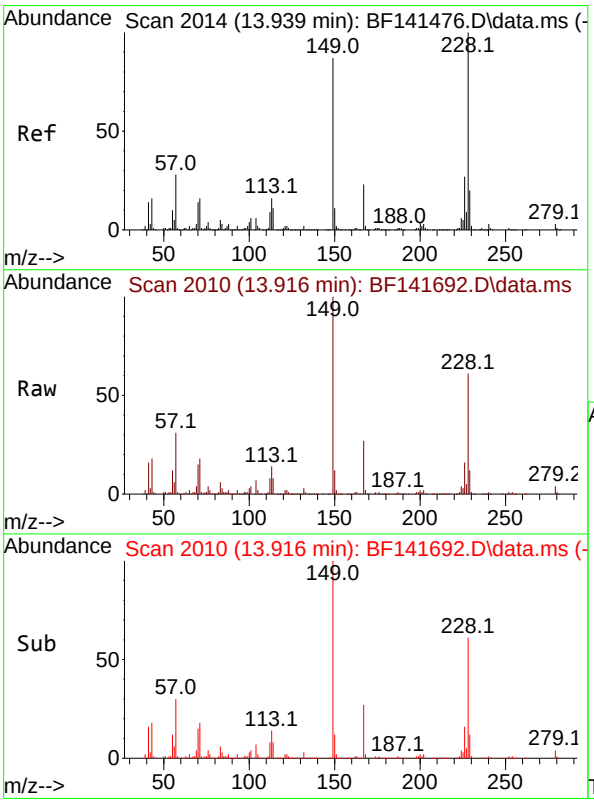
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.8	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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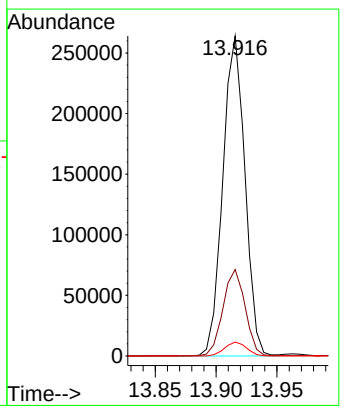
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

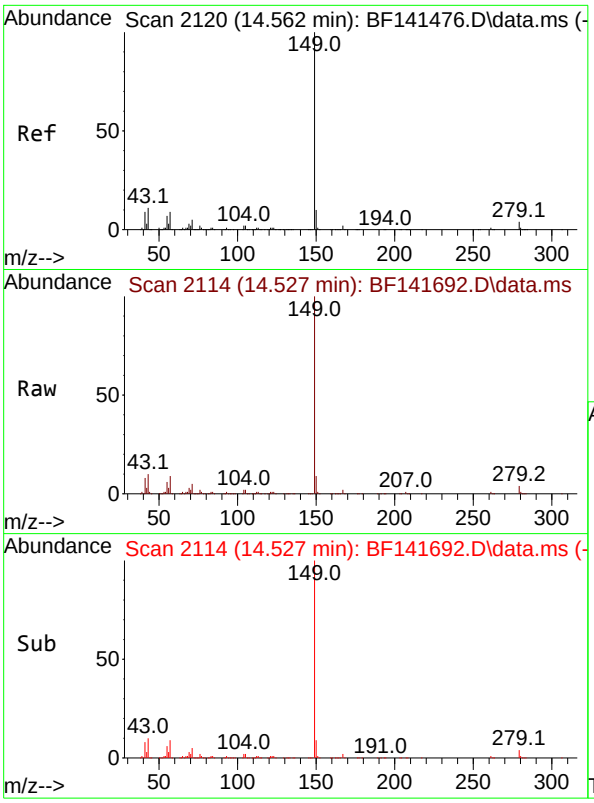


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.207 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 334366

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.4	3.1	4.7

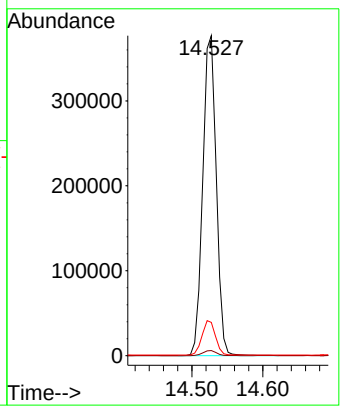




#85
Di-n-octyl phthalate
Concen: 57.843 ng
RT: 14.527 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 49978

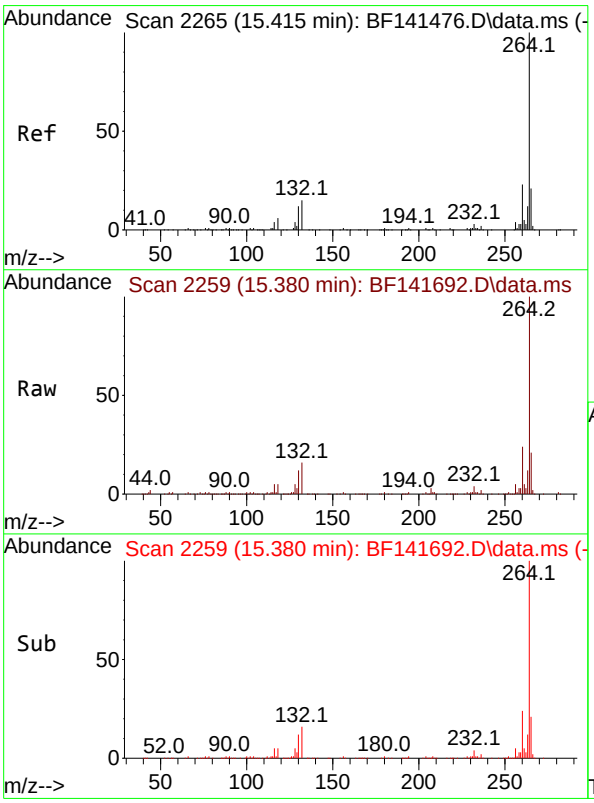
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
APPROVED

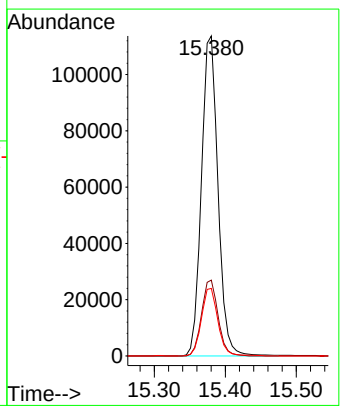
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

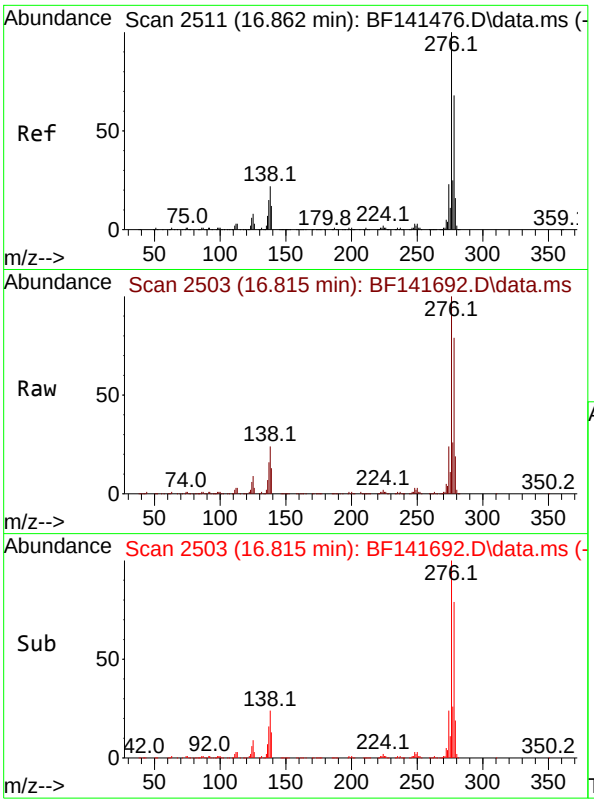


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:264 Resp: 184442

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.1	17.0	25.4

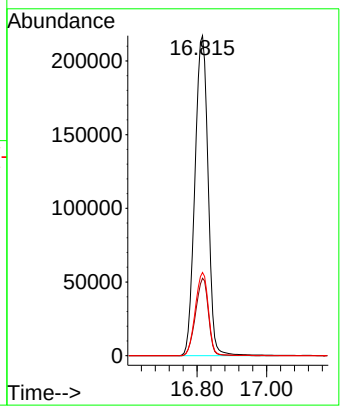




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.972 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:276 Resp: 56951

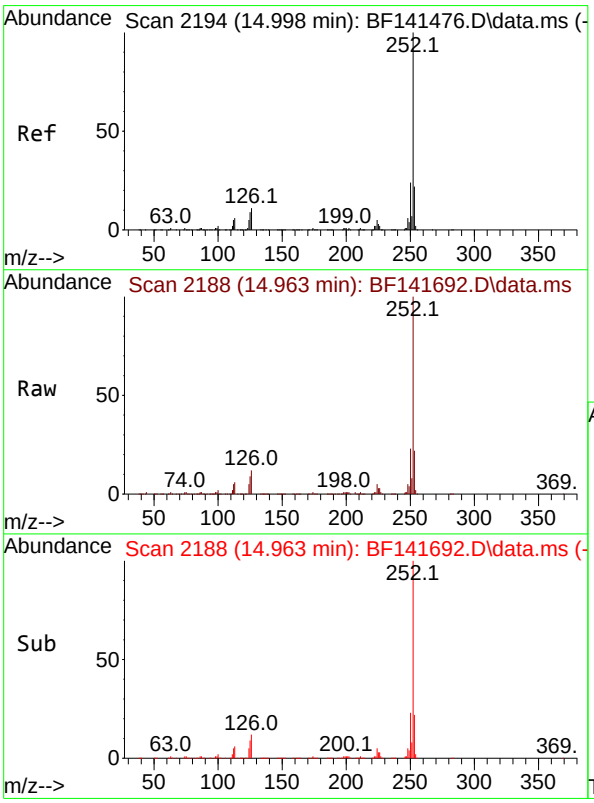
Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.8	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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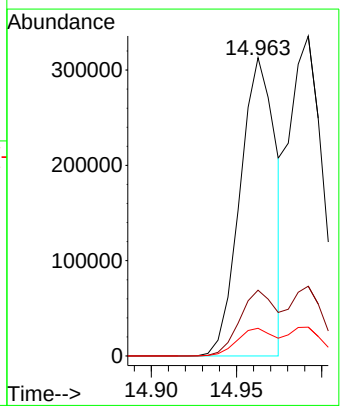
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

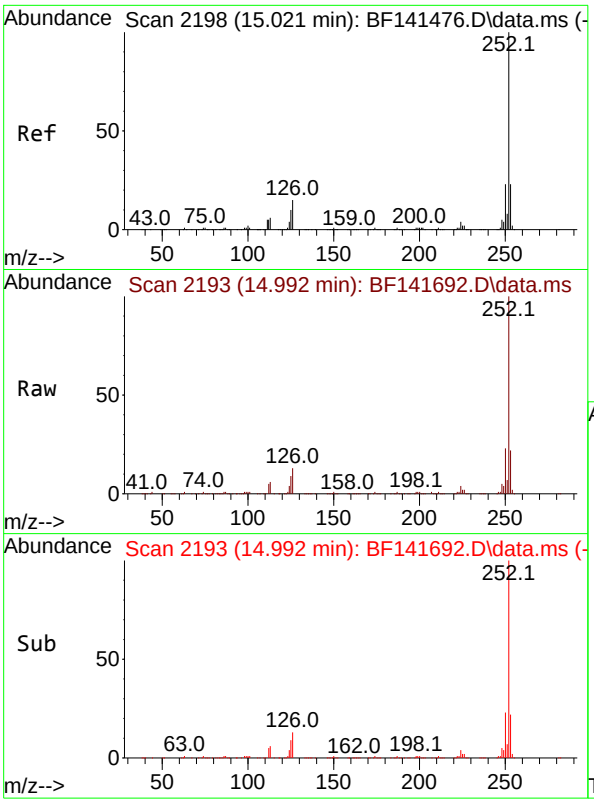


#88
Benzo(b)fluoranthene
Concen: 36.652 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:252 Resp: 453916

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.3	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 43.450 ng
RT: 14.992 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

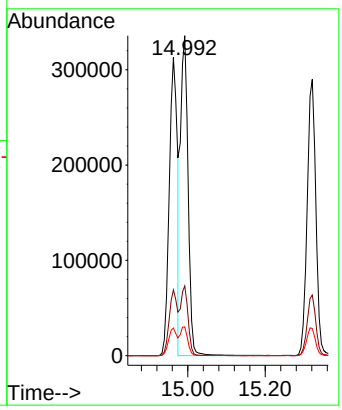
Tgt Ion:252 Resp: 45948

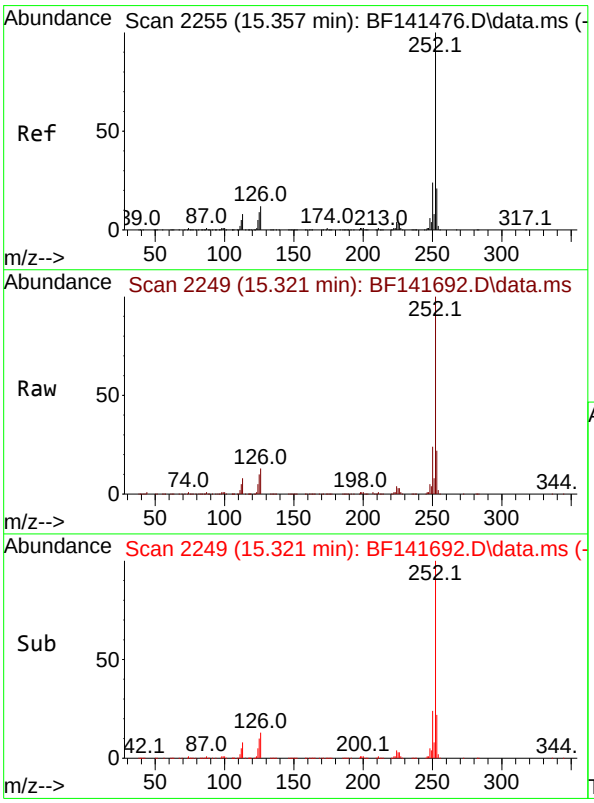
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	9.0	7.4	11.0

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

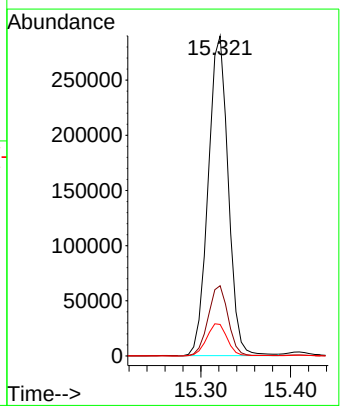


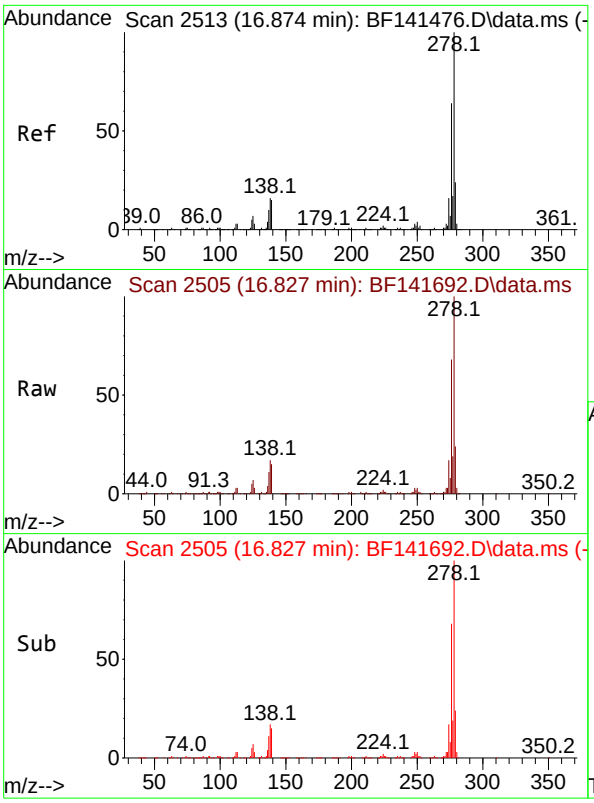


#90
Benzo(a)pyrene
Concen: 44.799 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:252 Resp: 448930

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: 50.227 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.064 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

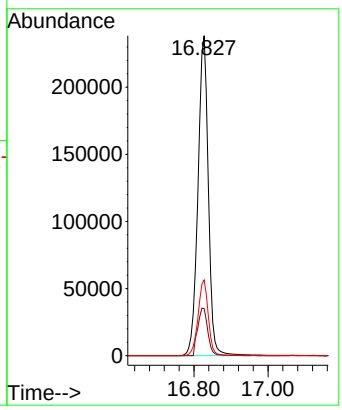
Tgt Ion:278 Resp: 46381

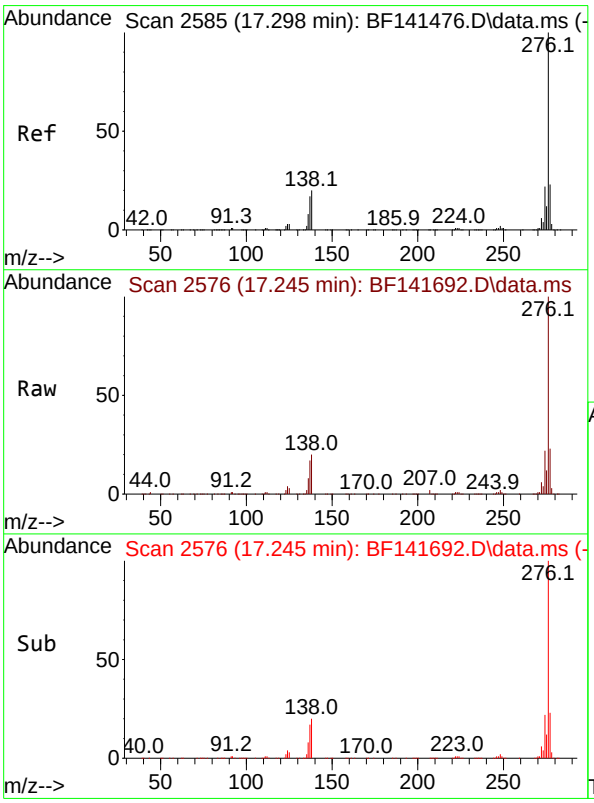
Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.7	19.1	28.7

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

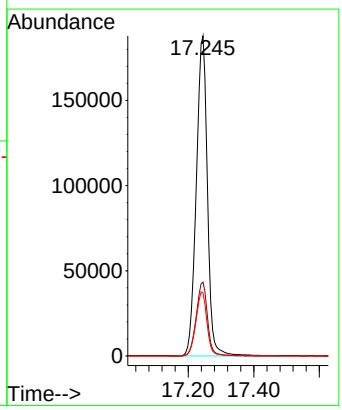




#92
Benzo(g,h,i)perylene
Concen: 46.085 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:276 Resp: 445339

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.7	15.9	23.9



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

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

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

Manual Integration Report

Sequence:	bf021925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1383-09MS	BF141691.D	Benzo(k)fluoranthene	anahy	2/20/2025 2:36:35 PM	Jagrut	2/20/2025 2:41:49 PM	Peak Integrated by Software
Q1383-09MS	BF141691.D	Caprolactam	anahy	2/20/2025 2:36:35 PM	Jagrut	2/20/2025 2:41:49 PM	Peak Integrated by Software
Q1383-09MSD	BF141692.D	Caprolactam	anahy	2/20/2025 2:38:00 PM	Jagrut	2/20/2025 2:41:56 PM	Peak Integrated by Software
SSTDCCC040	BF141693.D	Benzo(k)fluoranthene	anahy	2/20/2025 2:39:43 PM	Jagrut	2/20/2025 2:41:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf022025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166776BS	BF141699.D	Benzoic acid	Rahul	2/21/2025 10:34:16 AM	Jagrut	2/21/2025 11:14:53 AM	Peak Integrated by Software
PB166776BS	BF141699.D	Caprolactam	Rahul	2/21/2025 10:34:16 AM	Jagrut	2/21/2025 11:14:53 AM	Peak Integrated by Software
SSTDCCC040	BF141707.D	Caprolactam	Rahul	2/21/2025 10:34:28 AM	Jagrut	2/21/2025 11:14:59 AM	Peak Integrated by Software

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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 # BF021925

Review By	anahy	Review On	2/20/2025 2:41:01 PM				
Supervise By	Jagrut	Supervise On	2/20/2025 2:42:14 PM				
SubDirectory	BF021925	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	S12652,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141670.D	19 Feb 2025 12:18	RC/JU	Ok
2	SSTDCCC040	BF141671.D	19 Feb 2025 12:47	RC/JU	Ok
3	PB166772BL	BF141672.D	19 Feb 2025 13:43	RC/JU	Ok
4	PB166772BS	BF141673.D	19 Feb 2025 14:12	RC/JU	Ok,M
5	Q1382-01	BF141674.D	19 Feb 2025 14:46	RC/JU	Ok
6	Q1382-03	BF141675.D	19 Feb 2025 15:16	RC/JU	Ok
7	Q1382-05	BF141676.D	19 Feb 2025 15:45	RC/JU	Ok
8	Q1382-05MS	BF141677.D	19 Feb 2025 16:15	RC/JU	Ok,M
9	Q1382-05MSD	BF141678.D	19 Feb 2025 16:44	RC/JU	Ok,M
10	Q1382-07	BF141679.D	19 Feb 2025 17:14	RC/JU	Ok
11	Q1382-09	BF141680.D	19 Feb 2025 17:43	RC/JU	Ok
12	Q1382-11	BF141681.D	19 Feb 2025 18:12	RC/JU	Ok
13	Q1382-13	BF141682.D	19 Feb 2025 18:42	RC/JU	Ok
14	Q1382-15	BF141683.D	19 Feb 2025 19:11	RC/JU	Ok
15	Q1382-17	BF141684.D	19 Feb 2025 19:41	RC/JU	Ok
16	Q1382-19	BF141685.D	19 Feb 2025 20:10	RC/JU	Ok
17	Q1383-01	BF141686.D	19 Feb 2025 20:39	RC/JU	Ok
18	Q1383-03	BF141687.D	19 Feb 2025 21:09	RC/JU	Ok
19	Q1383-05	BF141688.D	19 Feb 2025 21:38	RC/JU	Ok
20	Q1383-07	BF141689.D	19 Feb 2025 22:07	RC/JU	Ok
21	Q1383-09	BF141690.D	19 Feb 2025 22:37	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021925

Review By	anahy	Review On	2/20/2025 2:41:01 PM				
Supervise By	Jagrut	Supervise On	2/20/2025 2:42:14 PM				
SubDirectory	BF021925	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	S12652,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1383-09MS	BF141691.D	19 Feb 2025 23:06	RC/JU	Ok,M
23	Q1383-09MSD	BF141692.D	19 Feb 2025 23:36	RC/JU	Ok,M
24	SSTDCCC040	BF141693.D	20 Feb 2025 00:05	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022025

Review By	Rahul	Review On	2/21/2025 10:34:57 AM				
Supervise By	Jagrut	Supervise On	2/21/2025 11:15:13 AM				
SubDirectory	BF022025	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	S12652,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141694.D	20 Feb 2025 09:04	RC/JU	Ok
2	SSTDCCC040	BF141695.D	20 Feb 2025 10:04	RC/JU	Ok
3	PB166772BL	BF141696.D	20 Feb 2025 11:33	RC/JU	Ok
4	PB166772BS	BF141697.D	20 Feb 2025 12:03	RC/JU	Ok,M
5	PB166776BL	BF141698.D	20 Feb 2025 12:33	RC/JU	Ok
6	PB166776BS	BF141699.D	20 Feb 2025 13:03	RC/JU	Ok,M
7	Q1383-11	BF141700.D	20 Feb 2025 13:36	RC/JU	Ok
8	Q1383-13	BF141701.D	20 Feb 2025 14:06	RC/JU	Ok
9	Q1383-15	BF141702.D	20 Feb 2025 14:36	RC/JU	Ok
10	Q1383-17	BF141703.D	20 Feb 2025 15:07	RC/JU	Ok
11	Q1383-19	BF141704.D	20 Feb 2025 15:36	RC/JU	Ok
12	Q1383-21	BF141705.D	20 Feb 2025 16:05	RC/JU	Ok
13	Q1384-01	BF141706.D	20 Feb 2025 16:35	RC/JU	Ok,M
14	SSTDCCC040	BF141707.D	20 Feb 2025 17:09	RC/JU	Ok,M

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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021925

Review By	anahy	Review On	2/20/2025 2:41:01 PM		
Supervise By	Jagrut	Supervise On	2/20/2025 2:42:14 PM		
SubDirectory	BF021925	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	S12652,10ul/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	BF141670.D	19 Feb 2025 12:18		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141671.D	19 Feb 2025 12:47		RC/JU	Ok
3	PB166772BL	PB166772BL	BF141672.D	19 Feb 2025 13:43	USE For Only Q1382 (DOD)	RC/JU	Ok
4	PB166772BS	PB166772BS	BF141673.D	19 Feb 2025 14:12	USE For Only Q1382(DOD)	RC/JU	Ok,M
5	Q1382-01	OU4-PCS-TC-01-02172	BF141674.D	19 Feb 2025 14:46		RC/JU	Ok
6	Q1382-03	OU4-PCS-TC-02-02172	BF141675.D	19 Feb 2025 15:16		RC/JU	Ok
7	Q1382-05	OU4-PCS-TC-03-02172	BF141676.D	19 Feb 2025 15:45		RC/JU	Ok
8	Q1382-05MS	OU4-PCS-TC-03-02172	BF141677.D	19 Feb 2025 16:15		RC/JU	Ok,M
9	Q1382-05MSD	OU4-PCS-TC-03-02172	BF141678.D	19 Feb 2025 16:44		RC/JU	Ok,M
10	Q1382-07	OU4-PCS-TC-04-02172	BF141679.D	19 Feb 2025 17:14		RC/JU	Ok
11	Q1382-09	OU4-PCS-TC-05-02172	BF141680.D	19 Feb 2025 17:43		RC/JU	Ok
12	Q1382-11	OU4-PCS-TC-06-02172	BF141681.D	19 Feb 2025 18:12		RC/JU	Ok
13	Q1382-13	OU4-PCS-TC-07-02172	BF141682.D	19 Feb 2025 18:42		RC/JU	Ok
14	Q1382-15	OU4-PCS-TC-08-02172	BF141683.D	19 Feb 2025 19:11		RC/JU	Ok
15	Q1382-17	OU4-PCS-TC-09-02172	BF141684.D	19 Feb 2025 19:41		RC/JU	Ok
16	Q1382-19	OU4-PCS-TC-10-02172	BF141685.D	19 Feb 2025 20:10		RC/JU	Ok
17	Q1383-01	OU4-PCS-TC-11-02172	BF141686.D	19 Feb 2025 20:39		RC/JU	Ok
18	Q1383-03	OU4-PCS-TC-12-02172	BF141687.D	19 Feb 2025 21:09		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF021925

Review By	anahy	Review On	2/20/2025 2:41:01 PM		
Supervise By	Jagrut	Supervise On	2/20/2025 2:42:14 PM		
SubDirectory	BF021925	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	S12652,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1383-05	OU4-PCS-TC-13-02172	BF141688.D	19 Feb 2025 21:38		RC/JU	Ok
20	Q1383-07	OU4-PCS-TC-14-02172	BF141689.D	19 Feb 2025 22:07		RC/JU	Ok
21	Q1383-09	OU4-PCS-TC-15-02172	BF141690.D	19 Feb 2025 22:37		RC/JU	Ok
22	Q1383-09MS	OU4-PCS-TC-15-02172	BF141691.D	19 Feb 2025 23:06		RC/JU	Ok,M
23	Q1383-09MSD	OU4-PCS-TC-15-02172	BF141692.D	19 Feb 2025 23:36		RC/JU	Ok,M
24	SSTDCCC040	SSTDCCC040EC	BF141693.D	20 Feb 2025 00:05		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022025

Review By	Rahul	Review On	2/21/2025 10:34:57 AM		
Supervise By	Jagrut	Supervise On	2/21/2025 11:15:13 AM		
SubDirectory	BF022025	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	S12652,10ul/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	BF141694.D	20 Feb 2025 09:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141695.D	20 Feb 2025 10:04		RC/JU	Ok
3	PB166772BL	PB166772BL	BF141696.D	20 Feb 2025 11:33		RC/JU	Ok
4	PB166772BS	PB166772BS	BF141697.D	20 Feb 2025 12:03		RC/JU	Ok,M
5	PB166776BL	PB166776BL	BF141698.D	20 Feb 2025 12:33		RC/JU	Ok
6	PB166776BS	PB166776BS	BF141699.D	20 Feb 2025 13:03		RC/JU	Ok,M
7	Q1383-11	OU4-PCS-TC-16-02172	BF141700.D	20 Feb 2025 13:36		RC/JU	Ok
8	Q1383-13	OU4-PCS-TC-17-02172	BF141701.D	20 Feb 2025 14:06		RC/JU	Ok
9	Q1383-15	OU4-PCS-TC-18-02172	BF141702.D	20 Feb 2025 14:36		RC/JU	Ok
10	Q1383-17	OU4-PCS-TC-19-02172	BF141703.D	20 Feb 2025 15:07		RC/JU	Ok
11	Q1383-19	OU4-PCS-TC-20-02172	BF141704.D	20 Feb 2025 15:36		RC/JU	Ok
12	Q1383-21	OU4-CF-15-021725	BF141705.D	20 Feb 2025 16:05		RC/JU	Ok
13	Q1384-01	OR-03-021823025	BF141706.D	20 Feb 2025 16:35		RC/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BF141707.D	20 Feb 2025 17:09		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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
Q1380-06	BP-VPB-192-GW-725-727	1	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-07	Q1380-06MS	2	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1380-08	Q1380-06MSD	3	1.15	8.48	9.63	1.78	7.4	SLUDGE SAMPLE
Q1382-01	OU4-PCS-TC-01-021725	4	1.15	8.56	9.71	9.02	91.9	
Q1382-03	OU4-PCS-TC-02-021725	5	1.15	8.59	9.74	9.03	91.7	
Q1382-05	OU4-PCS-TC-03-021725	6	1.15	8.56	9.71	9.06	92.4	
Q1382-07	OU4-PCS-TC-04-021725	7	1.16	8.80	9.96	9.3	92.5	
Q1382-09	OU4-PCS-TC-05-021725	8	1.16	8.65	9.81	9.12	92.0	
Q1382-11	OU4-PCS-TC-06-021725	9	1.12	8.76	9.88	9.2	92.2	
Q1382-13	OU4-PCS-TC-07-021725	10	1.11	8.67	9.78	9.1	92.2	
Q1382-15	OU4-PCS-TC-08-021725	11	1.19	8.61	9.8	9.16	92.6	
Q1382-17	OU4-PCS-TC-09-021725	12	1.14	8.66	9.8	9.16	92.6	
Q1382-19	OU4-PCS-TC-10-021725	13	1.14	8.84	9.98	9.4	93.4	
Q1383-01	OU4-PCS-TC-11-021725	14	1.17	8.74	9.91	9.26	92.6	
Q1383-03	OU4-PCS-TC-12-021725	15	1.15	8.73	9.88	9.2	92.2	
Q1383-05	OU4-PCS-TC-13-021725	16	1.12	8.76	9.88	9.22	92.5	
Q1383-07	OU4-PCS-TC-14-021725	17	1.18	8.58	9.76	9.08	92.1	
Q1383-09	OU4-PCS-TC-15-021725	18	1.13	8.77	9.9	9.24	92.5	
Q1383-11	OU4-PCS-TC-16-021725	19	1.16	8.61	9.77	9.09	92.1	
Q1383-13	OU4-PCS-TC-17-021725	20	1.19	8.58	9.77	9.03	91.4	
Q1383-15	OU4-PCS-TC-18-021725	21	1.15	8.60	9.75	9.05	91.9	
Q1383-17	OU4-PCS-TC-19-021725	22	1.15	8.84	9.99	9.29	92.1	
Q1383-19	OU4-PCS-TC-20-021725	23	1.13	8.67	9.8	9.12	92.2	
Q1383-21	OU4-CF-15-021725	24	1.16	8.50	9.66	9.02	92.5	
Q1384-01	OR-03-021823025	25	1.15	8.81	9.96	8.96	88.6	
Q1384-02	OR-03-021823025-E2	26	1.17	8.82	9.99	9.04	89.2	
Q1385-01	ST-1	27	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1385-02	ST-1-E2	28	1.00	1.00	2.00	2.00	100.0	CONCRETE sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/19/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134739

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

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 134739

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1380-06	BP-VPB-192-GW-725-727	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-07	Q1380-06MS	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1380-08	Q1380-06MSD	Solid	Percent Solids	Cool 4 deg C	TETR06	H31	02/10/2025	Chemtech -SO
Q1382-01	OU4-PCS-TC-01-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-03	OU4-PCS-TC-02-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-05	OU4-PCS-TC-03-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-07	OU4-PCS-TC-04-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-09	OU4-PCS-TC-05-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-11	OU4-PCS-TC-06-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-13	OU4-PCS-TC-07-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-15	OU4-PCS-TC-08-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-17	OU4-PCS-TC-09-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1382-19	OU4-PCS-TC-10-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-01	OU4-PCS-TC-11-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-03	OU4-PCS-TC-12-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-05	OU4-PCS-TC-13-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-07	OU4-PCS-TC-14-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-09	OU4-PCS-TC-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-11	OU4-PCS-TC-16-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-13	OU4-PCS-TC-17-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-15	OU4-PCS-TC-18-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: TB [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 02/18/25 17:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

VB1347 39

WorkList Name : %1-021825 **WorkList ID :** 187742 **Department :** Wet-Chemistry **Date :** 02-18-2025 08:35:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-17	OU4-PCS-TC-19-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-19	OU4-PCS-TC-20-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1383-21	OU4-CF-15-021725	Solid	Percent Solids	Cool 4 deg C	NOBI03	H31	02/17/2025	Chemtech -SO
Q1384-01	OR-03-021823025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1384-02	OR-03-021823025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	02/18/2025	Chemtech -SO
Q1385-01	ST-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO
Q1385-02	ST-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/18/2025	Chemtech -SO

Date/Time 02/18/25 15:00

Raw Sample Received by: JWC

Raw Sample Relinquished by:

Date/Time 02/18/25 17:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166776

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 02/19/2025

Extraction Start Time : 10:05

Extraction End Date : 02/19/2025

Extraction End Time : 13:05

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	SP6720
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	EP2582
Baked Na2SO4	N/A	EP2589
Methylene Chloride	N/A	E3878
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
02/19/25	RP (Ext. Lab)	AC/SVOC
13:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166776

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/19/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166776BL	SBLK776	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1			U2-1
PB166776BS	SLCS776	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1			2
Q1383-01	OU4-PCS-TC-11-021725	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		3
Q1383-03	OU4-PCS-TC-12-021725	SVOCMS Group3	30.09	N/A	ritesh	Evelyn	1	E		4
Q1383-05	OU4-PCS-TC-13-021725	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		5
Q1383-07	OU4-PCS-TC-14-021725	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		6
Q1383-09	OU4-PCS-TC-15-021725	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	E		U3-1
Q1383-09MS	OU4-PCS-TC-15-021725MS	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		2
Q1383-09MSD	OU4-PCS-TC-15-021725MSD	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		3
Q1383-11	OU4-PCS-TC-16-021725	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		4
Q1383-13	OU4-PCS-TC-17-021725	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		5
Q1383-15	OU4-PCS-TC-18-021725	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		6
Q1383-17	OU4-PCS-TC-19-021725	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		U5-1
Q1383-19	OU4-PCS-TC-20-021725	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		2
Q1383-21	OU4-CF-15-021725	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		3

* **Extracts relinquished on the same date as received.**

2/19/25

166776
10:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1383S **WorkList ID :** 187766 **Department :** Extraction **Date :** 02-19-2025 08:11:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1383-01	OU4-PCS-TC-11-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-03	OU4-PCS-TC-12-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-05	OU4-PCS-TC-13-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-07	OU4-PCS-TC-14-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-09	OU4-PCS-TC-15-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-11	OU4-PCS-TC-16-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-13	OU4-PCS-TC-17-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-15	OU4-PCS-TC-18-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-17	OU4-PCS-TC-19-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-19	OU4-PCS-TC-20-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E
Q1383-21	OU4-CF-15-021725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	H31	02/17/2025	8270E

Date/Time 02/19/25 10:00
Raw Sample Received by: RJ (Sol Log)
Raw Sample Relinquished by:

Date/Time 02/19/25 10:35
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Sol Log)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1383

Test : SVOCMS Group3

Prepbatch ID : PB166776,

Sequence ID/Qc Batch ID: BF021925,BF022025,

Standard ID :
EP2582,EP2589,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3815,E3828,E3846,E3871,E3873,E3874,E3878,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12652,S12791,S12963,S12964,S12965,S12966,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2582	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3873 + 8000.00000ml of E3874 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2589	02/14/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/14/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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
171	8270/625 Spike Solution, 50/100 PPM	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml

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

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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	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

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 Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml 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
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

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

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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	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

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

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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	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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	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-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

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

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

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 #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

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

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	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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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	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

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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	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	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 #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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 #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

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	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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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	A0196453	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	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	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

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	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

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	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

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	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	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

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	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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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	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	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	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12522

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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	08/17/2025	02/17/2025 / anahy	09/20/2024 / anahy	S12652

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

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]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

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]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

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]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

CPI INTERNATIONAL

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Manufacturer's Quality System
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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
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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)

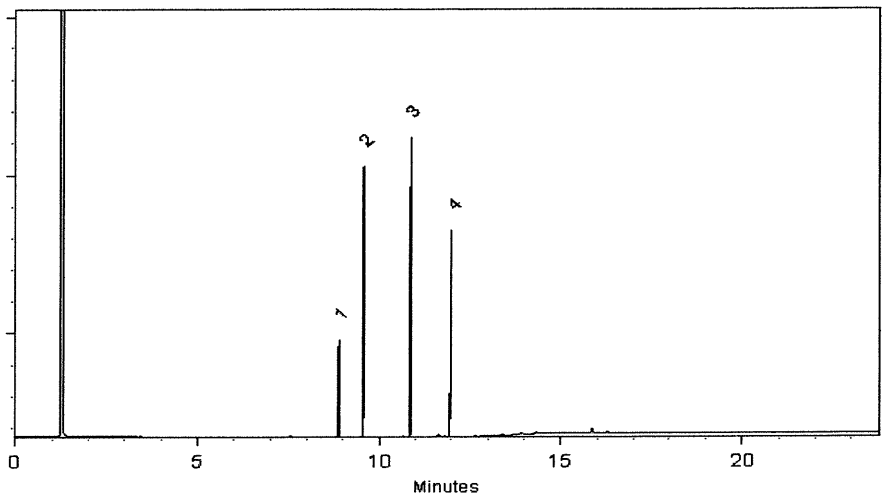
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

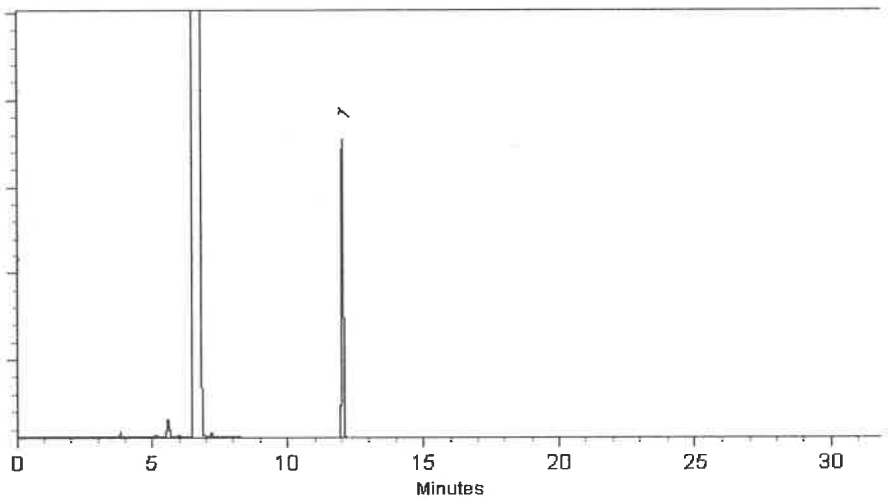
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

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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)

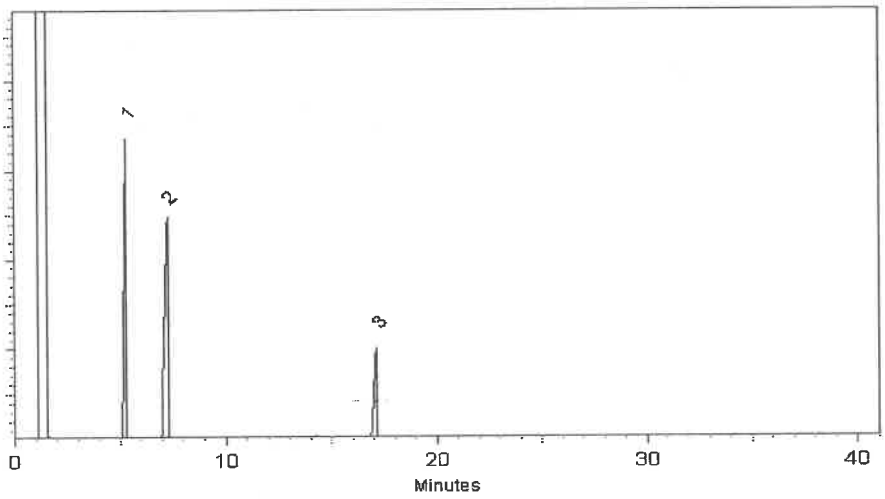
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

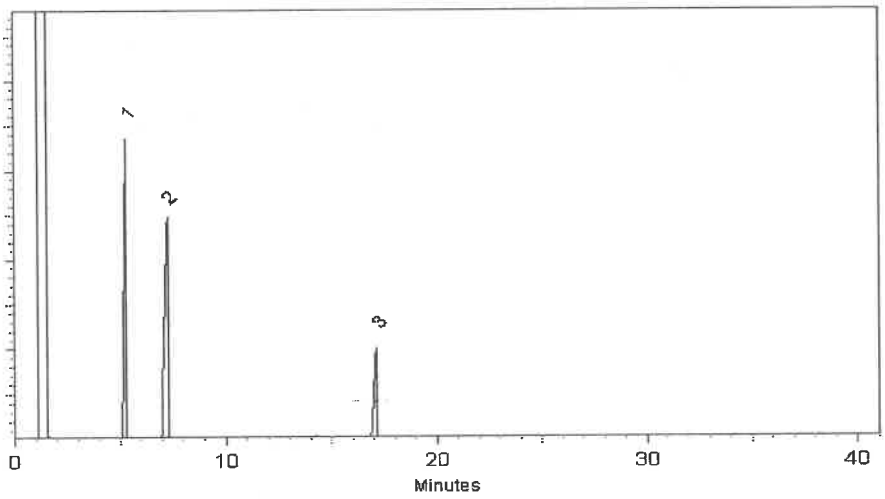
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

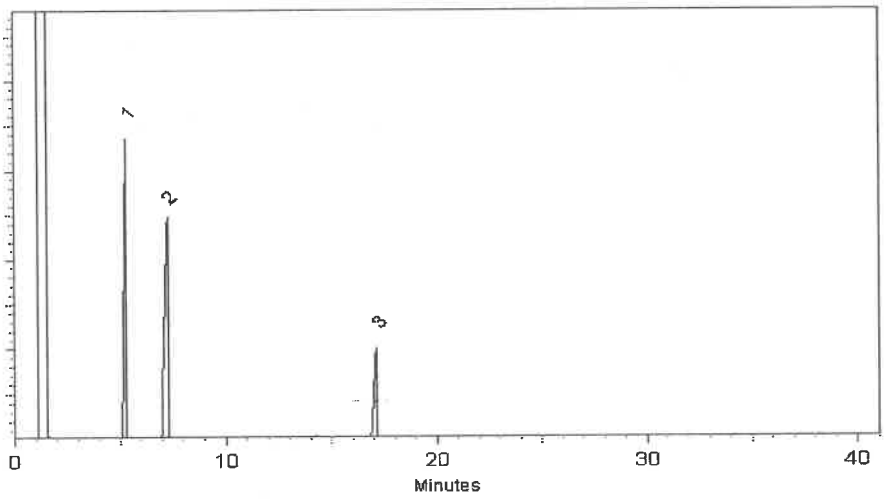
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

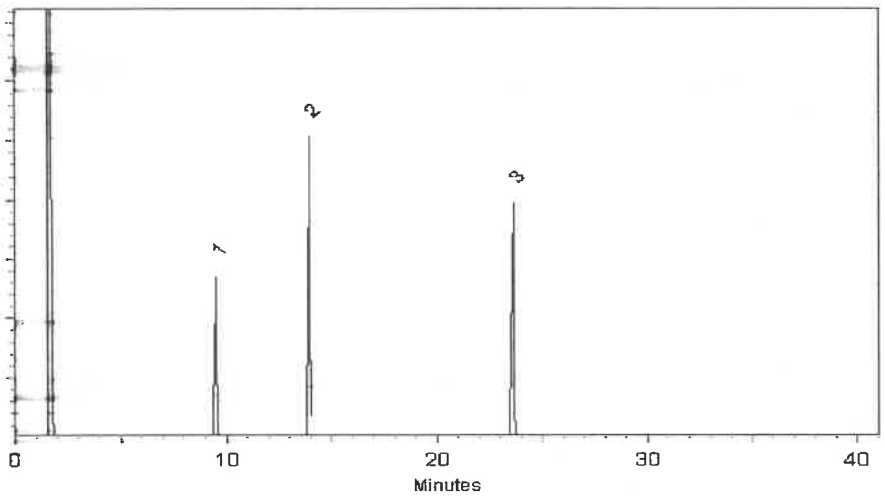
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

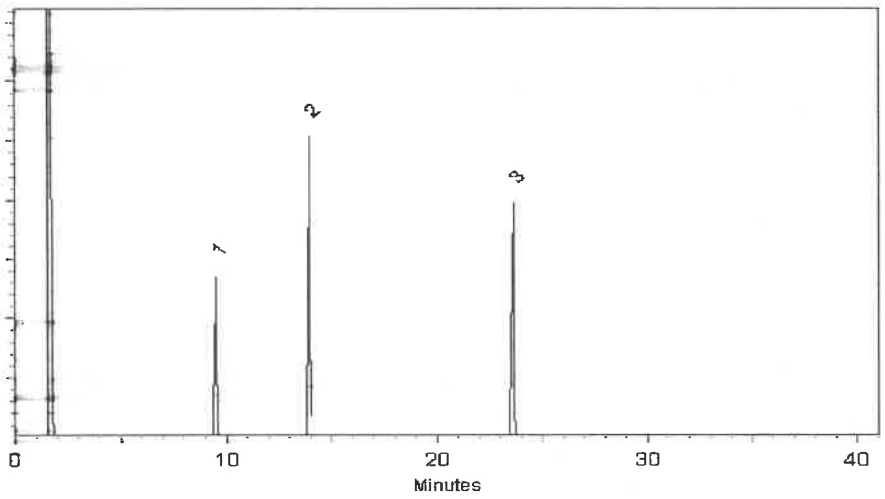
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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)

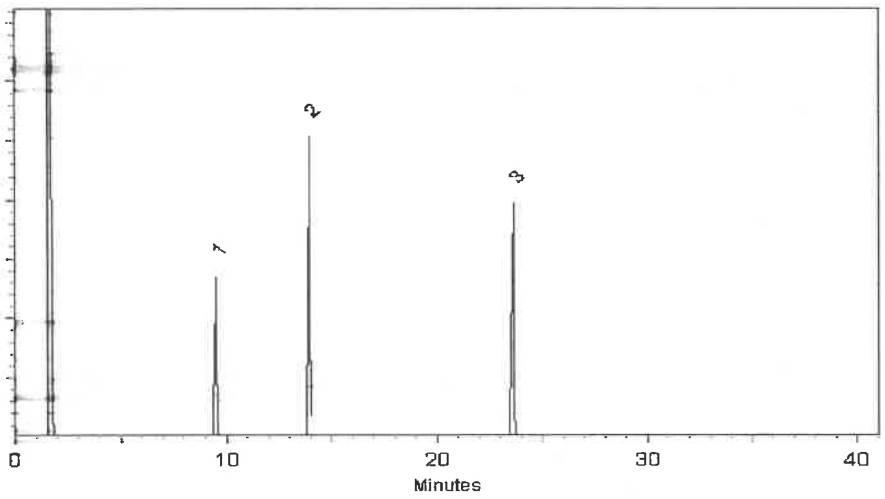
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

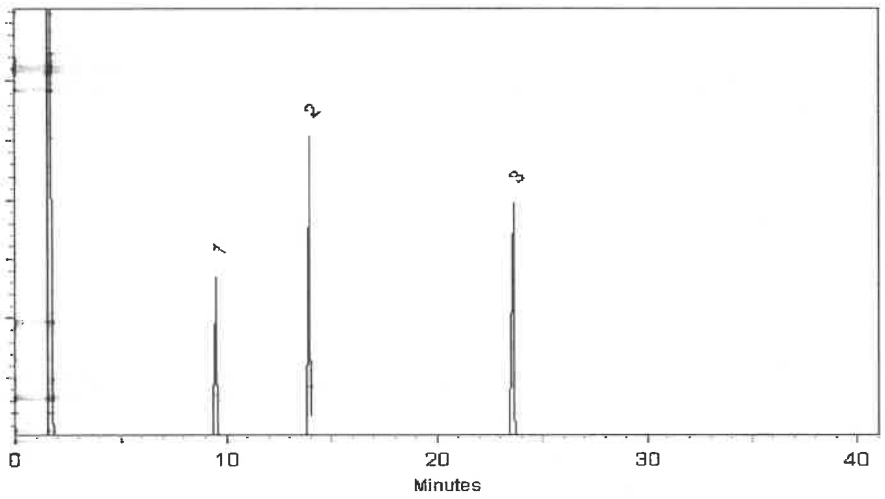
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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)

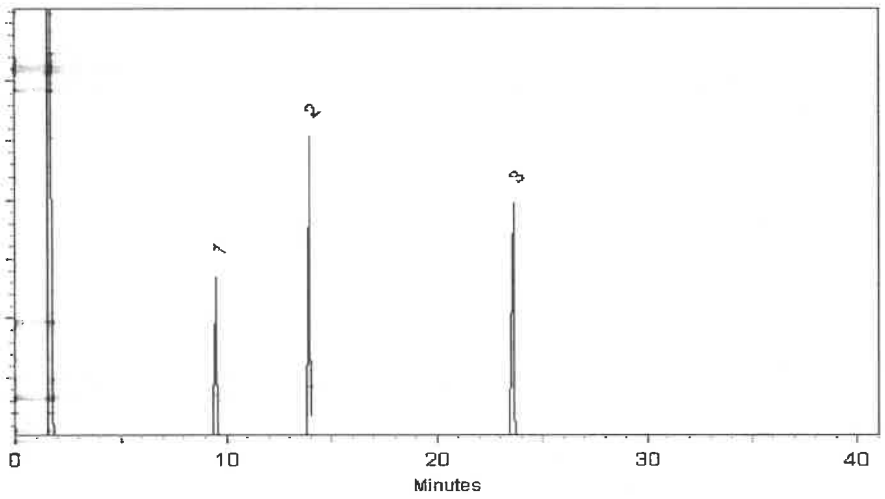
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

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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)

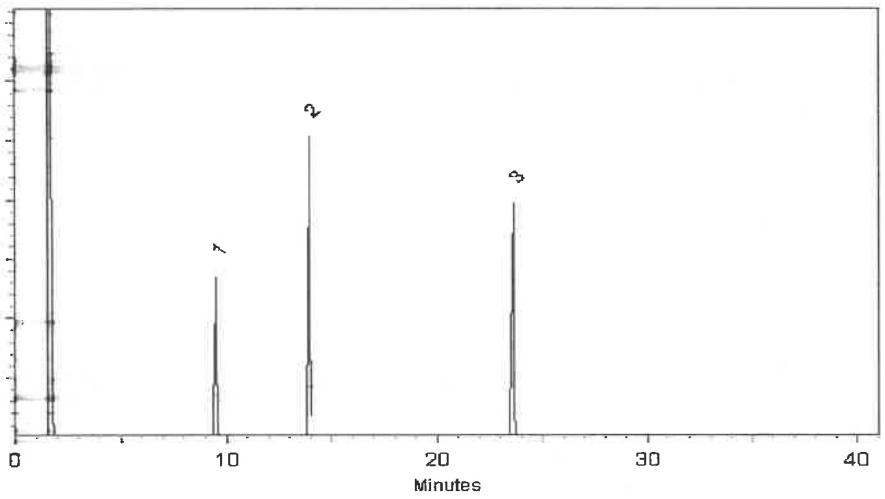
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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)

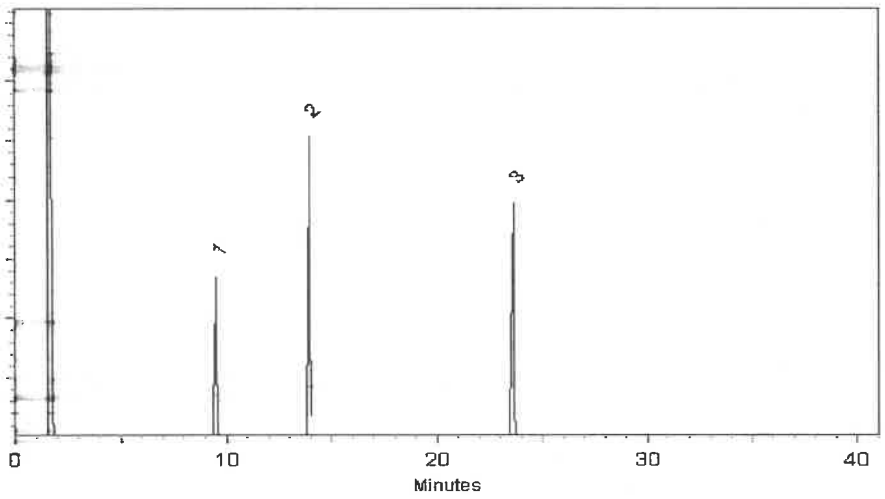
Carrier Gas:
hydrogen-constant pressure 10 psi.

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. : 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

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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

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 1/29/25

E 3873

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

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

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 3878

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

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

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 : August 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	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

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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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

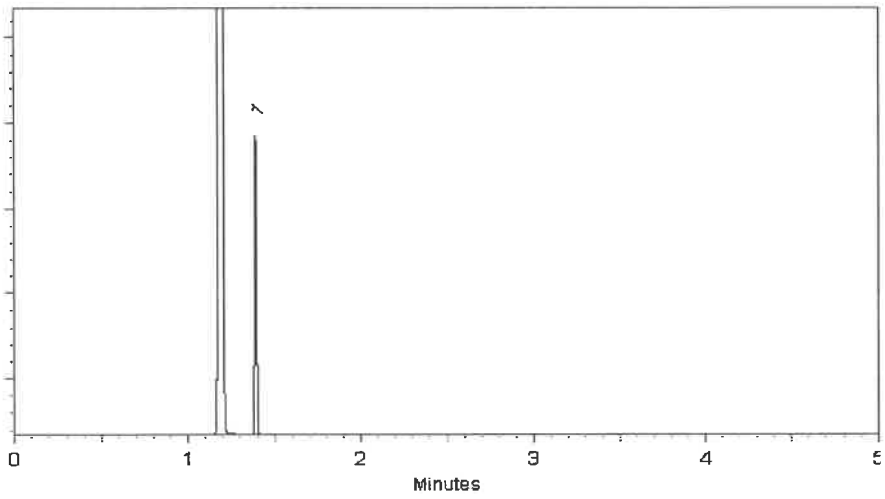
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

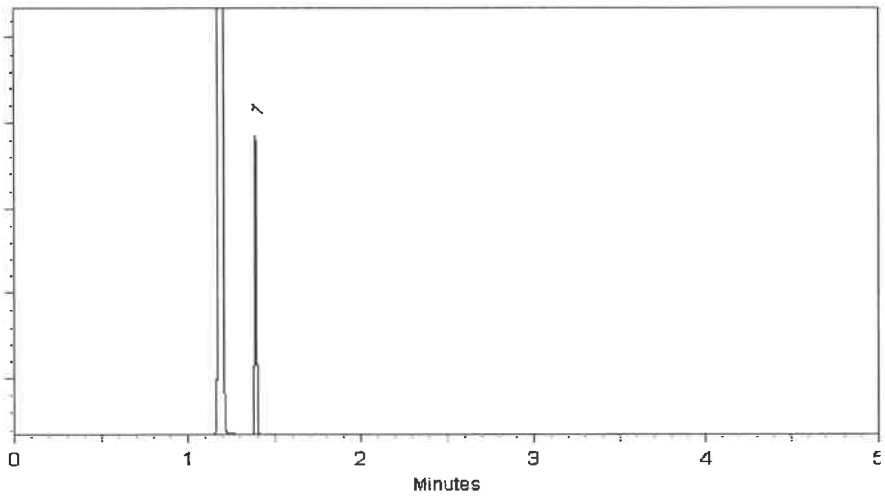
Inj. Temp:
250°C

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:

- 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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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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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. : 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.)

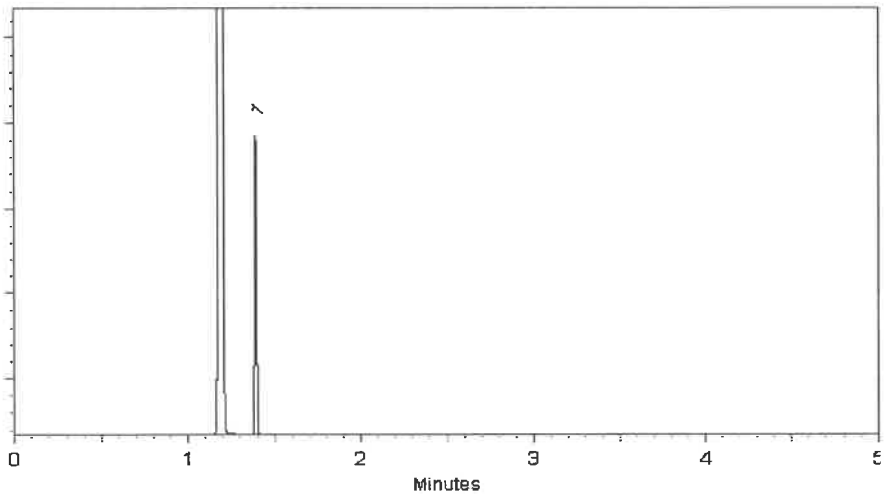
Inj. Temp:
250°C

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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Purity 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.)

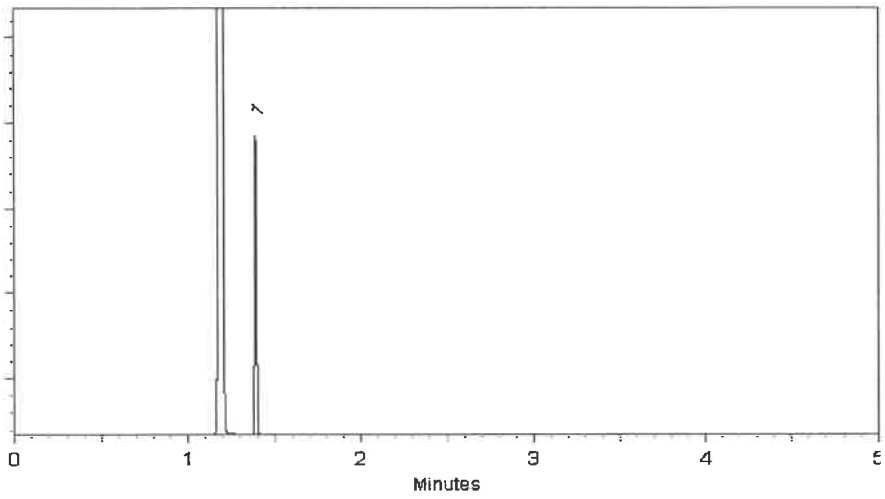
Inj. Temp:
250°C

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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Certified Uncertainty Value 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.)

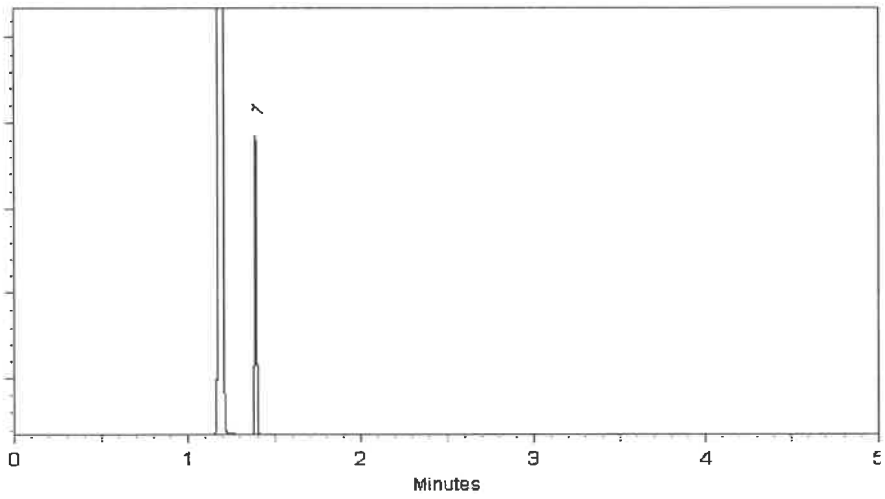
Inj. Temp:
250°C

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

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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-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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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%

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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

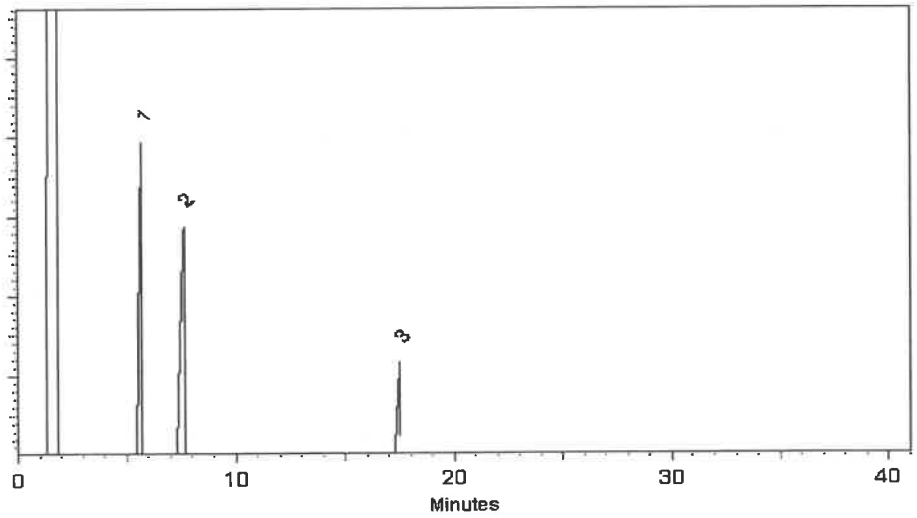
Inj. Temp:
250°C

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
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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

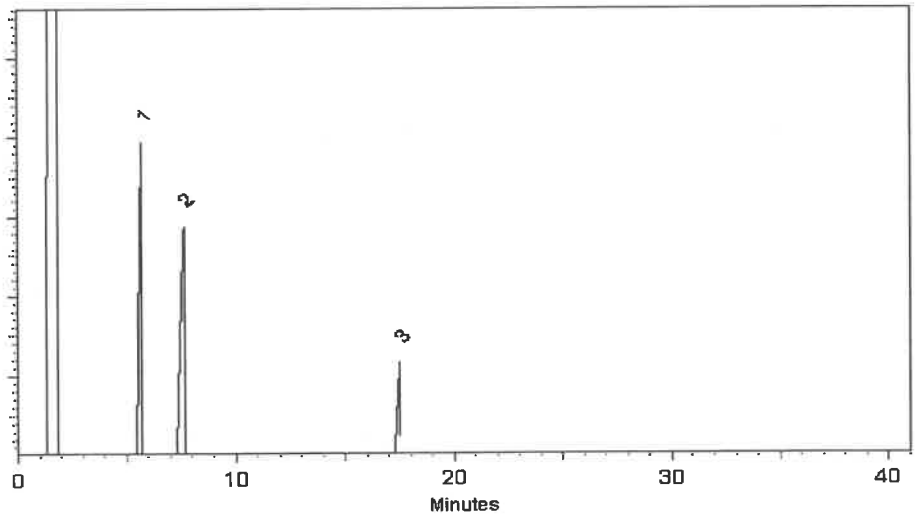
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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.)

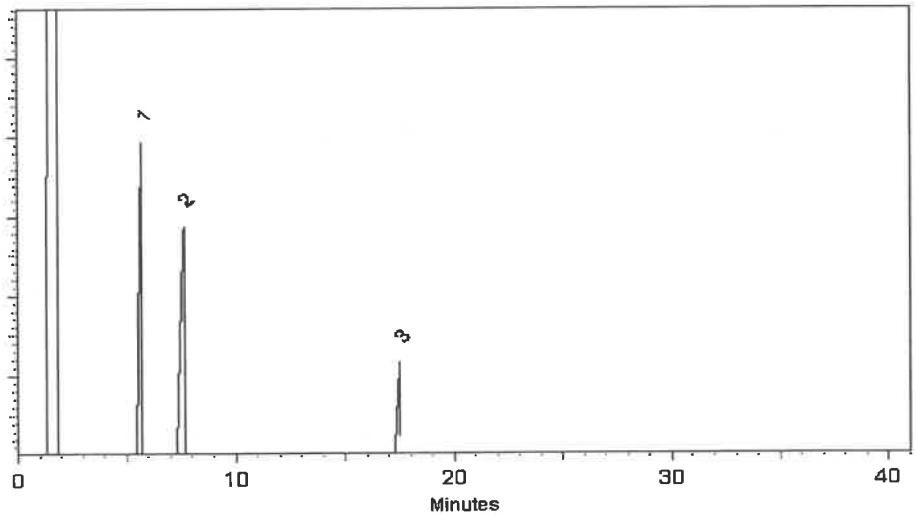
Inj. Temp:
250°C

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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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.)

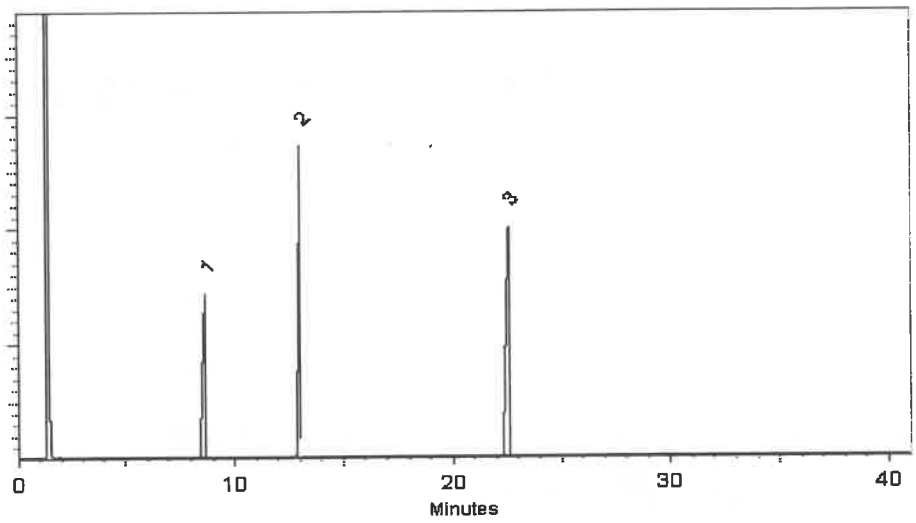
Inj. Temp:
250°C

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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Fax: 1-814-353-1309

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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.)

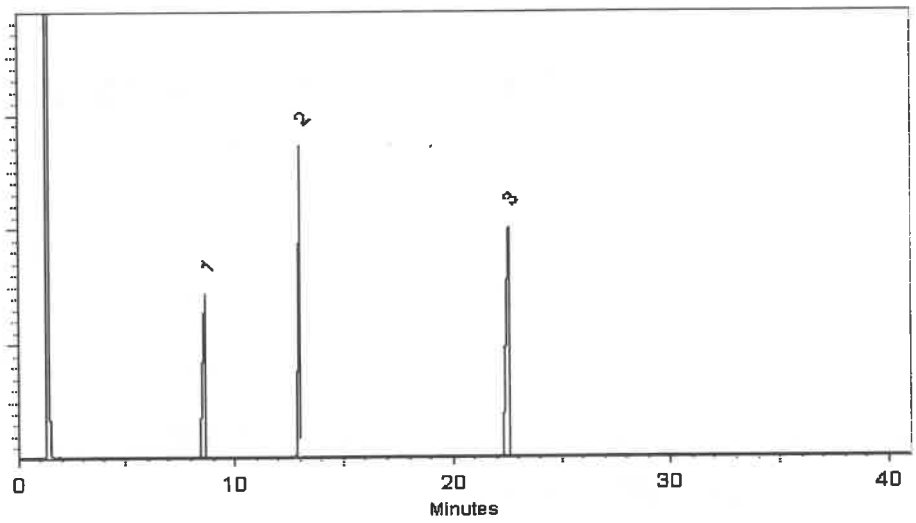
Inj. Temp:
250°C

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

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-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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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.)

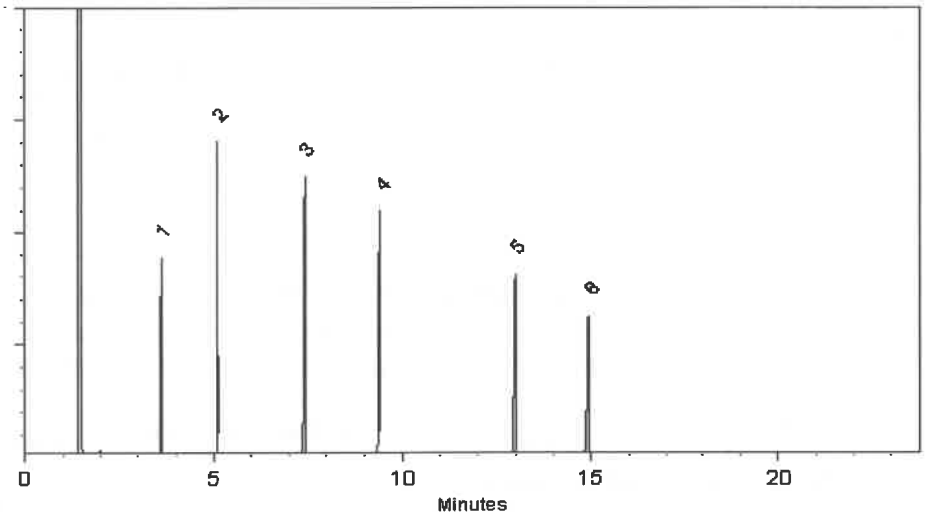
Inj. Temp:
250°C

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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CERTIFIED REFERENCE MATERIAL

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 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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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:

- 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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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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  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:

- 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:

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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:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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Fax: 1-814-353-1309

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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

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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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
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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

General Certified Reference Material Notes

Expiration 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)
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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

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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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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

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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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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:

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- 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:

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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)
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

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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:

- 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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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.
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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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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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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%

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Jess Hoy - Operations Tech I

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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

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

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

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. : 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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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Fax: 1-814-353-1309

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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



SHIPPING DOCUMENTS

Q1383

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	A. Brittingham

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-PCS-TC-11-021725	2/17/25	9:20	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-12-021725	2/17/25	9:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-13-021725	2/17/25	9:30	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-14-021725	2/17/25	9:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-15-021725	2/17/25	9:40	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-16-021725	2/17/25	9:45	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-17-021725	2/17/25	9:50	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-18-021725	2/17/25	9:55	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-19-021725	2/17/25	10:00	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-20-021725	2/17/25	10:05	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-CF-15-021725	2/17/25	8:15	G	SO		3	2	1				X	X	X	X	X	X	X	X	X	

Relinquished by: (signature) Date/Time: 2/17/25 1200
Received by: (signature) Date/Time: 2-18-25 10:25
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

IR Gun #1
3.1 C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code

Container Type Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1383 NOBI03 **Order Date :** 2/18/2025 11:19:00 AM **Project Mgr :**
Client Name : Nobis Group **Project Name :** Raymark Superfund Site **Report Type :** Level 4
Client Contact : Adam Roy **Receive DateTime :** 2/18/2025 10:25:00 AM **EDD Type :** EQUIS
Invoice Name : Nobis Group **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Adam Roy **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1383-01	OU4-PCS-TC-11-021725	Solid	02/17/2025	09:20					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-03	OU4-PCS-TC-12-021725	Solid	02/17/2025	09:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-05	OU4-PCS-TC-13-021725	Solid	02/17/2025	09:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-07	OU4-PCS-TC-14-021725	Solid	02/17/2025	09:35					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-09	OU4-PCS-TC-15-021725	Solid	02/17/2025	09:40					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-11	OU4-PCS-TC-16-021725	Solid	02/17/2025	09:45					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-13	OU4-PCS-TC-17-021725	Solid	02/17/2025	09:50					
					VOCMS Group3		8260D	10 Bus. Days	
Q1383-15	OU4-PCS-TC-18-021725	Solid	02/17/2025	09:55					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1383 NOBI03 **Order Date :** 2/18/2025 11:19:00 AM **Project Mgr :**
Client Name : Nobis Group **Project Name :** Raymark Superfund Site **Report Type :** Level 4
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Invoice Name : Nobis Group **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Adam Roy **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D		10 Bus. Days
Q1383-17	OU4-PCS-TC-19-021725	Solid	02/17/2025	10:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-19	OU4-PCS-TC-20-021725	Solid	02/17/2025	10:05					
					VOCMS Group3		8260D		10 Bus. Days
Q1383-21	~~OU4-PCS-TC-1~~-021725 OU4-EF-15	Solid	02/17/2025	08:15					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By : _____
Date / Time : 2-18-25 1245

Received By : _____
Date / Time : 02/18/25

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

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

Quantitation Report (Not Reviewed)

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

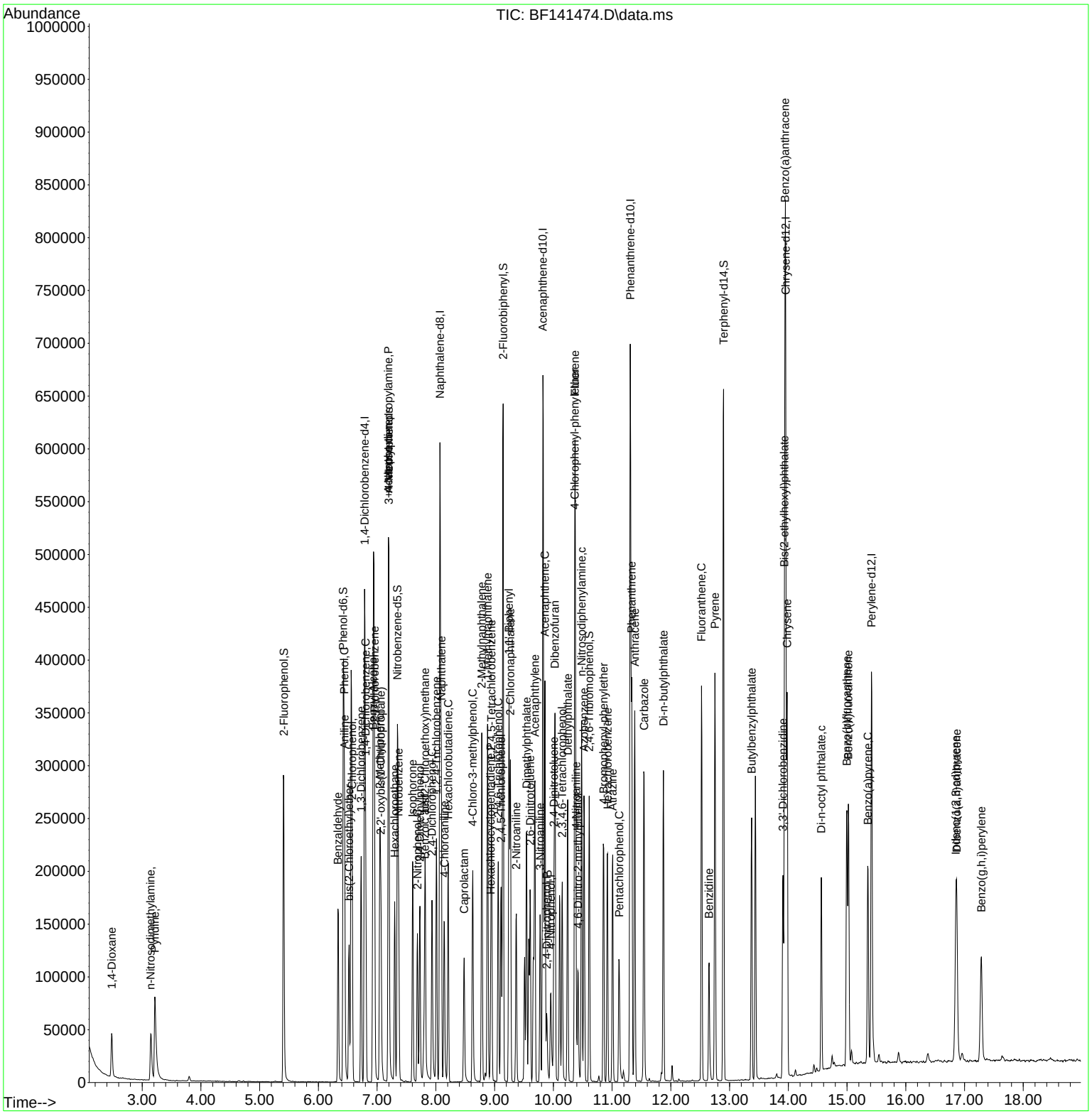
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng		97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng		99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng		99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng		96
49) Acenaphthylene	9.686	152	173644	10.179	ng		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	124038	10.816	ng		99
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

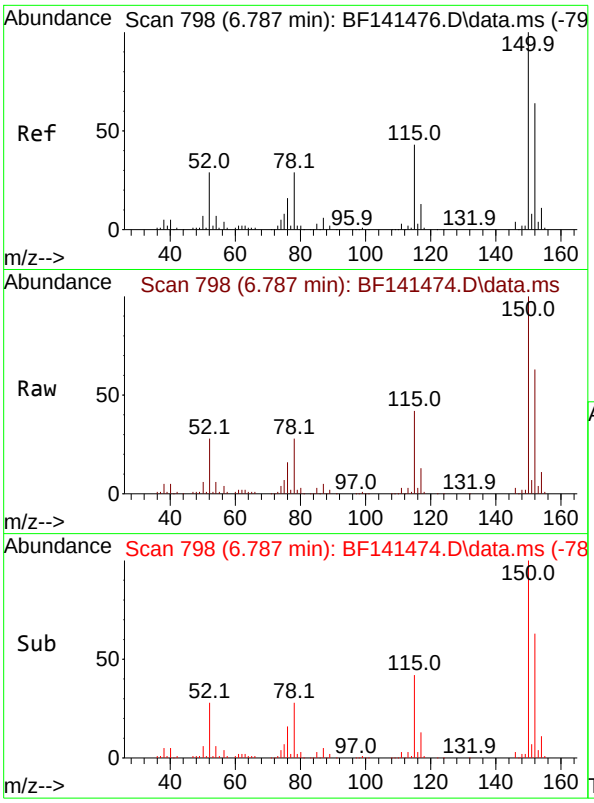
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



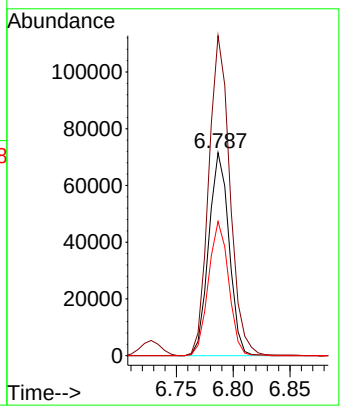


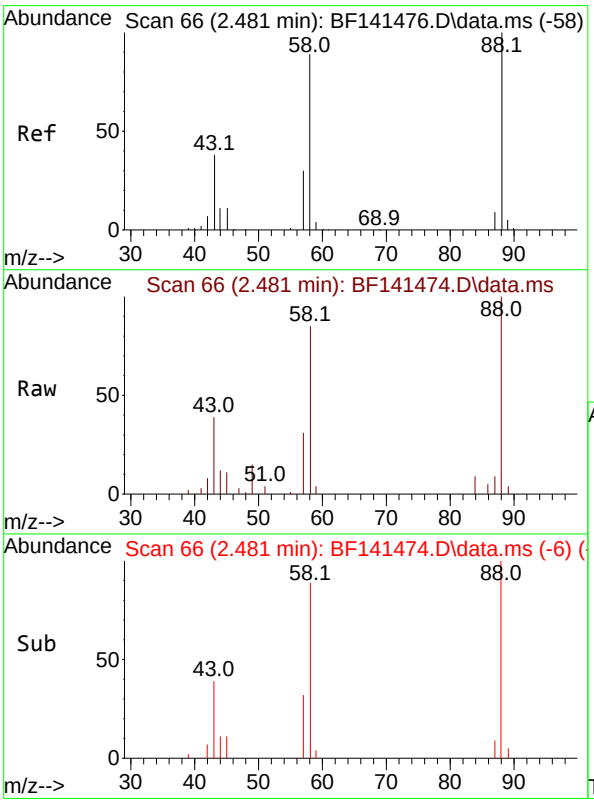
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

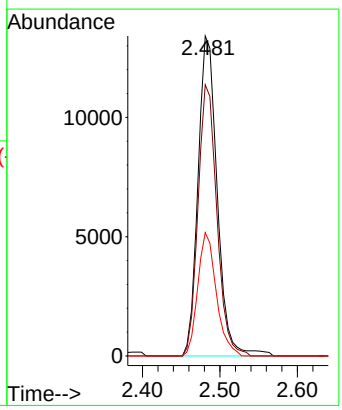


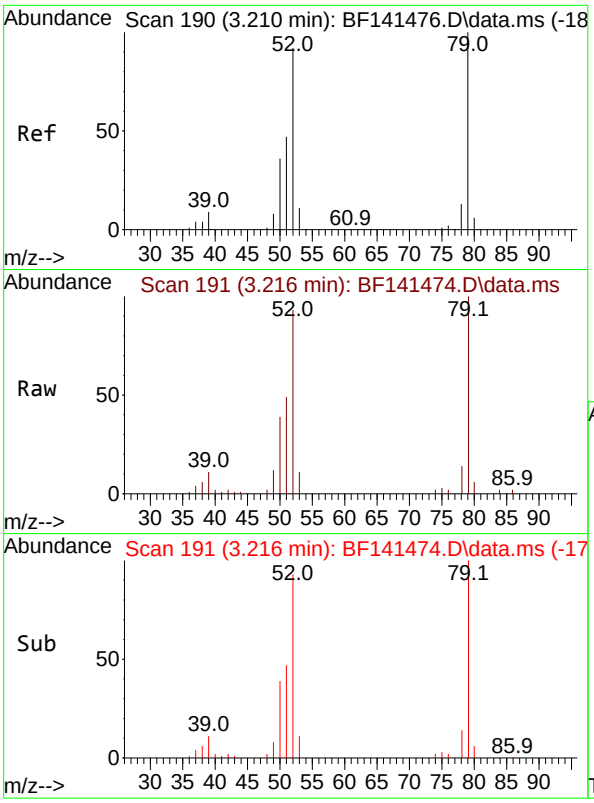


#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



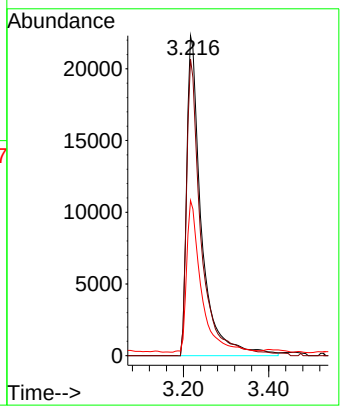


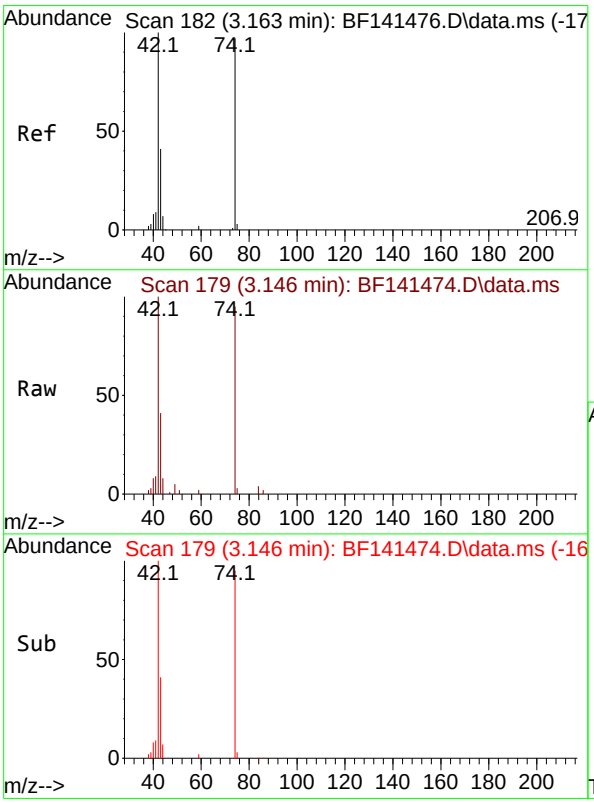
#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

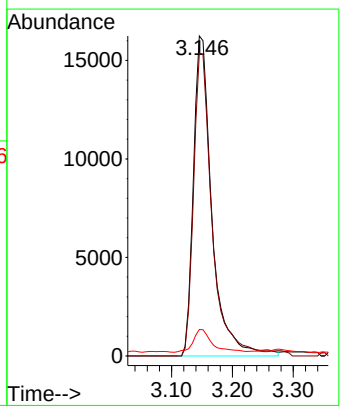


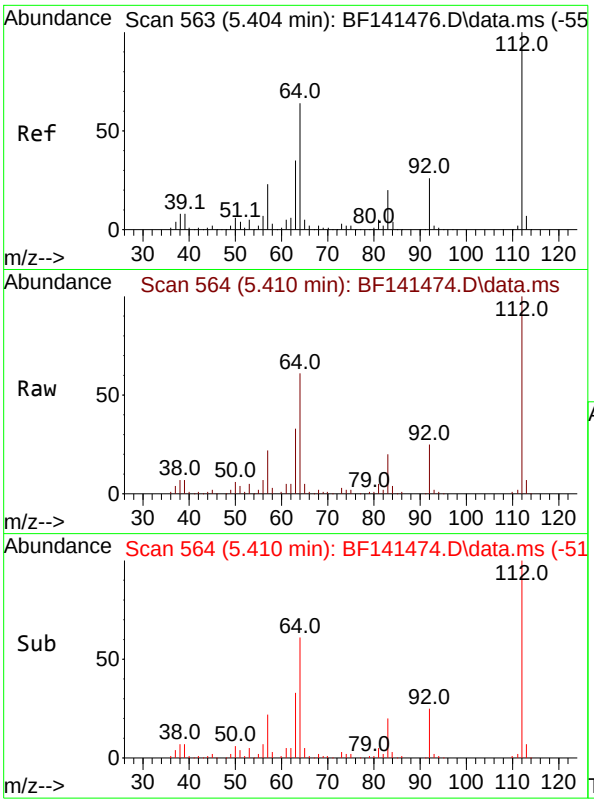


#4
n-Nitrosodimethylamine
Concen: 9.564 ng
RT: 3.146 min Scan# 179
Delta R.T. -0.041 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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#



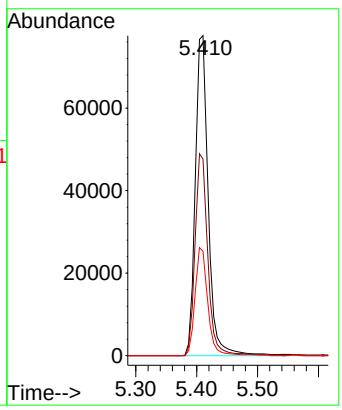


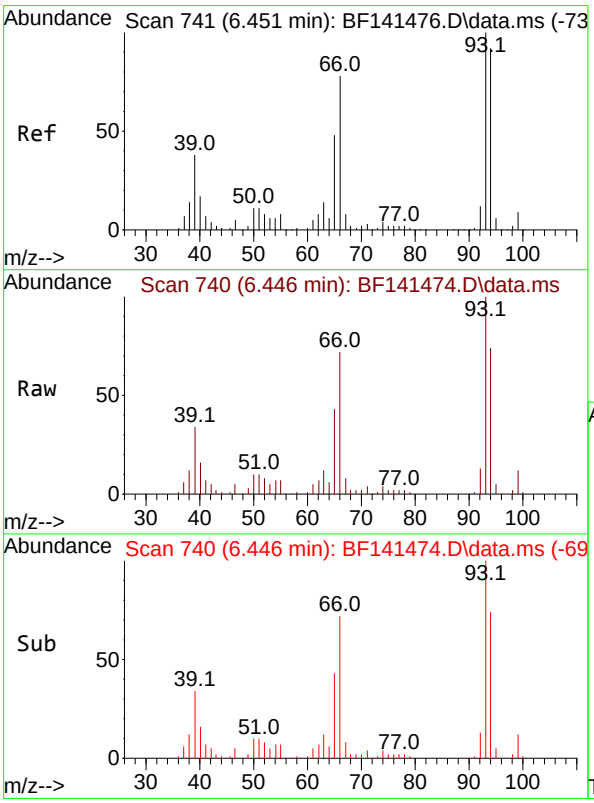
#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

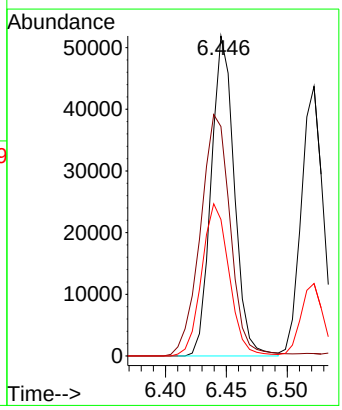


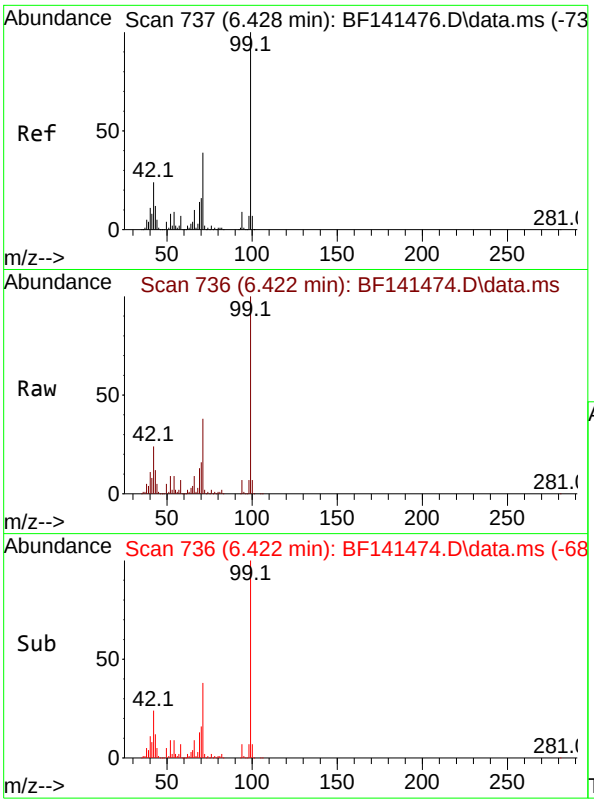


#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



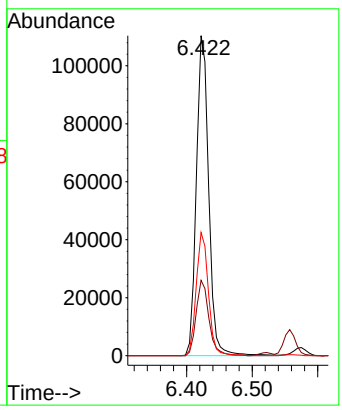


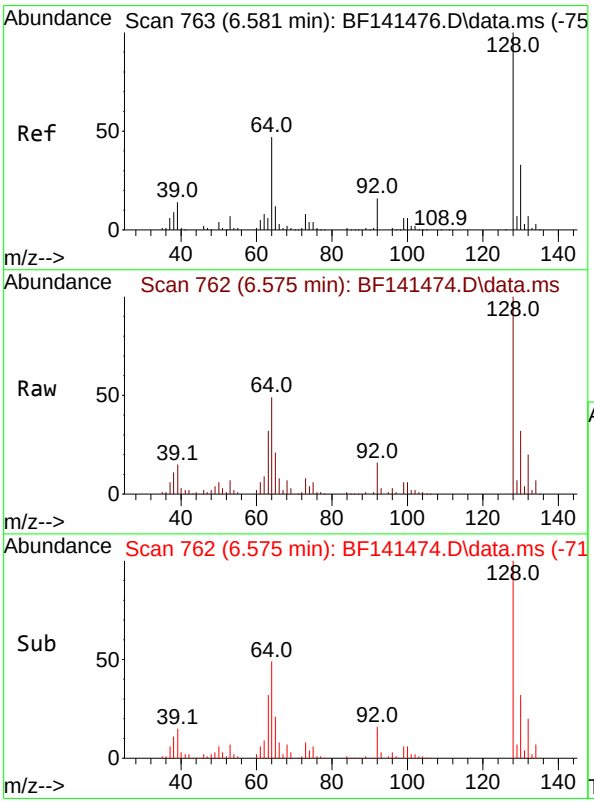
#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

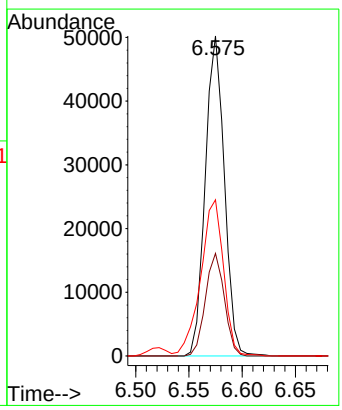


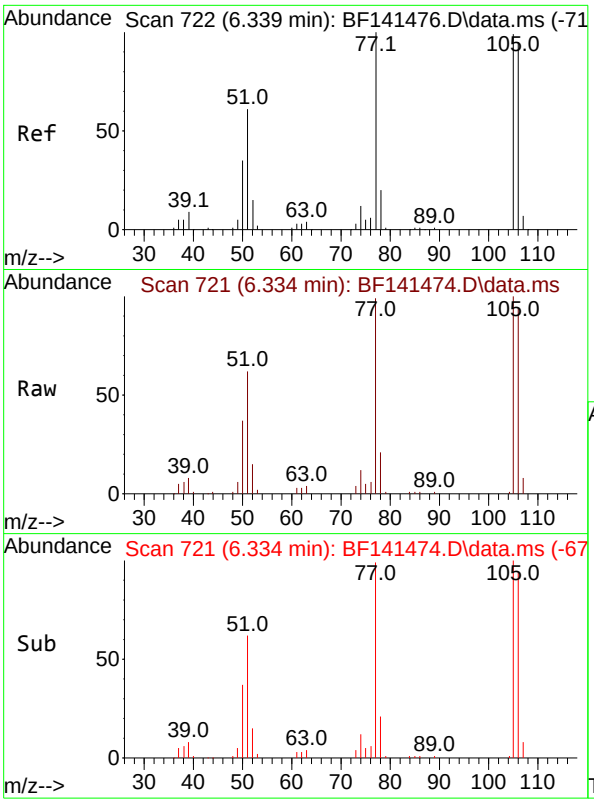


#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



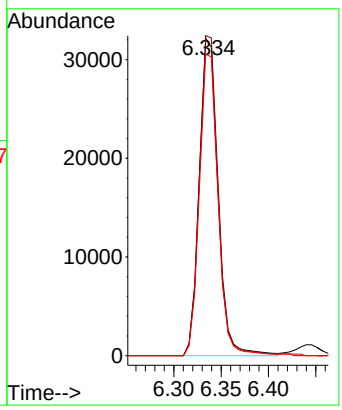


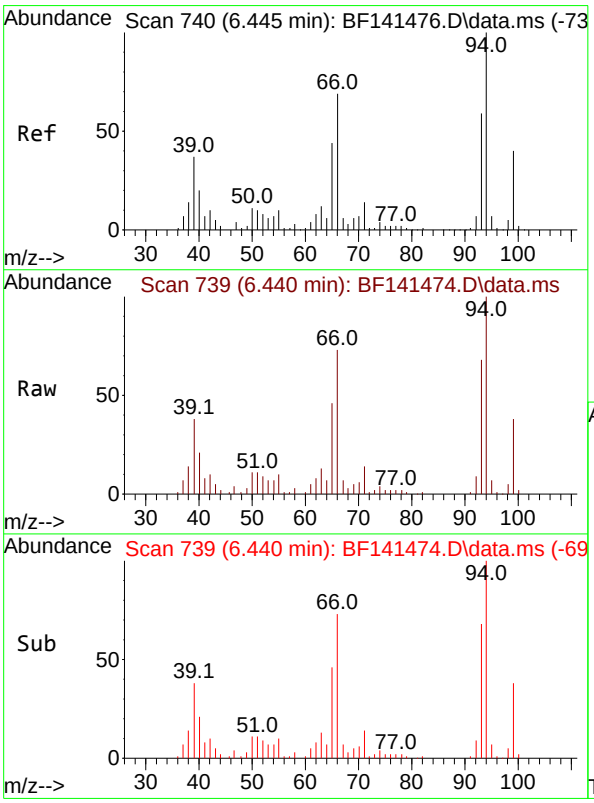
#9
Benzaldehyde
Concen: 11.585 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

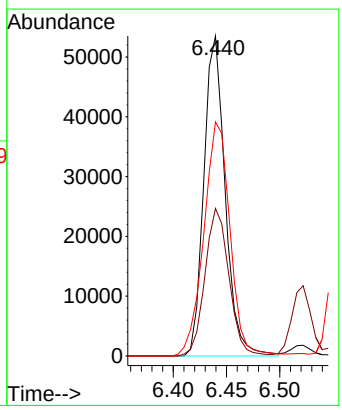


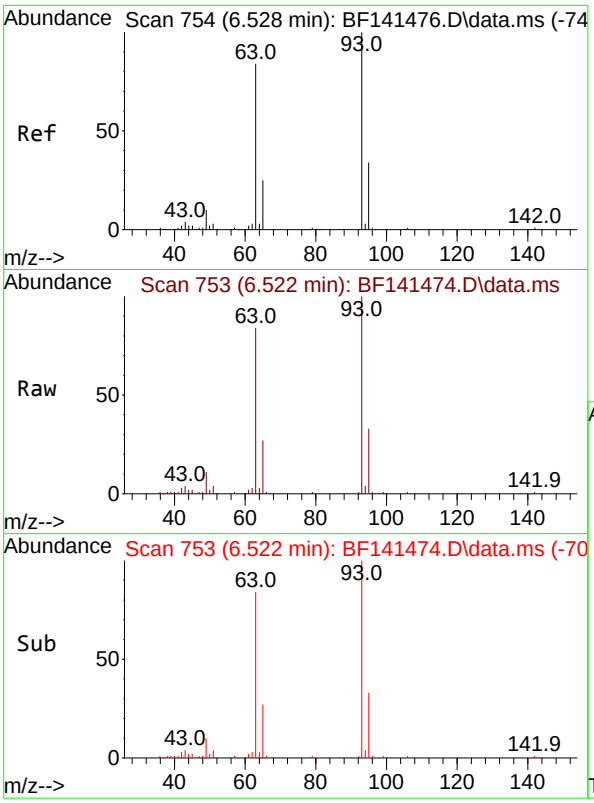


#10
Phenol
Concen: 10.015 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



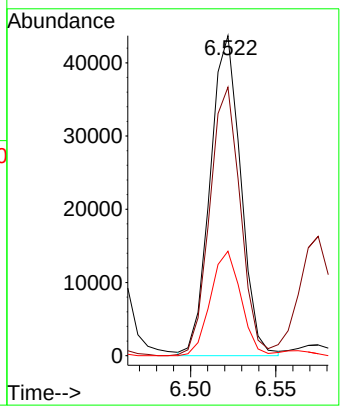


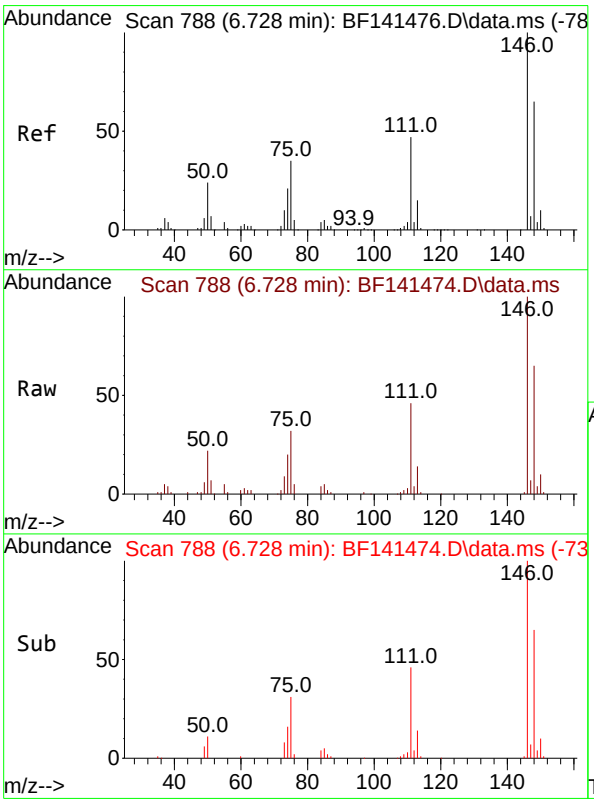
#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

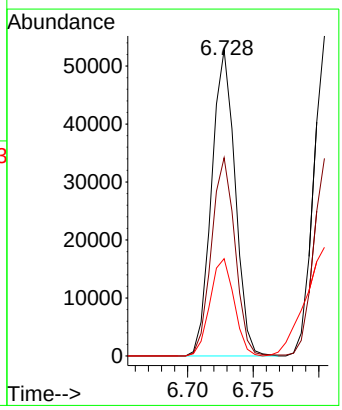


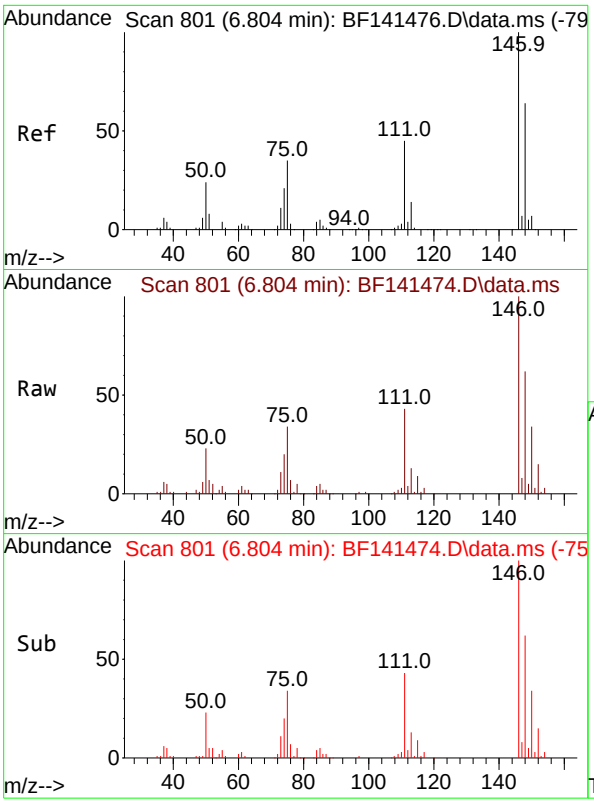


#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



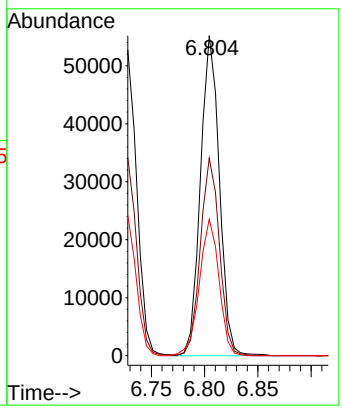


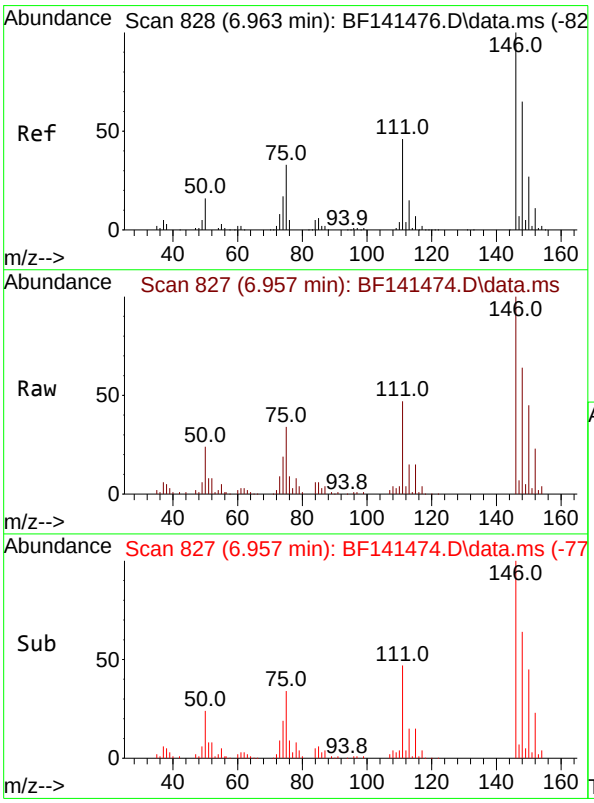
#13
1,4-Dichlorobenzene
Concen: 10.341 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

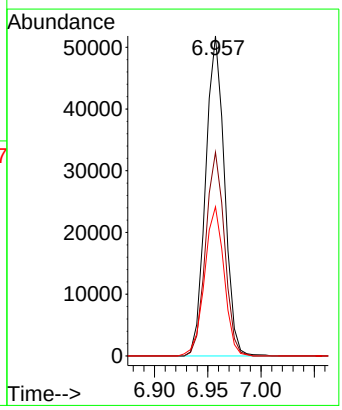


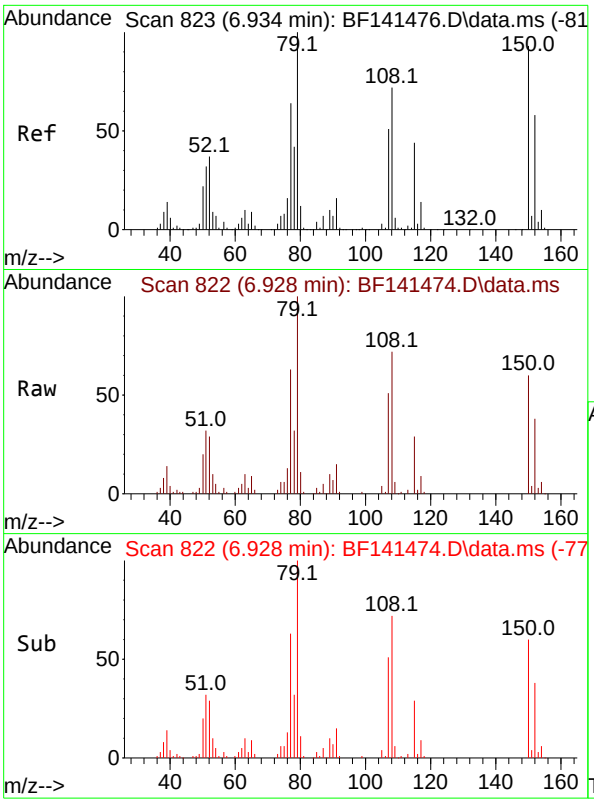


#14
1,2-Dichlorobenzene
Concen: 10.428 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



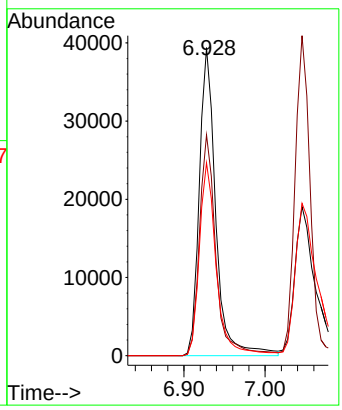


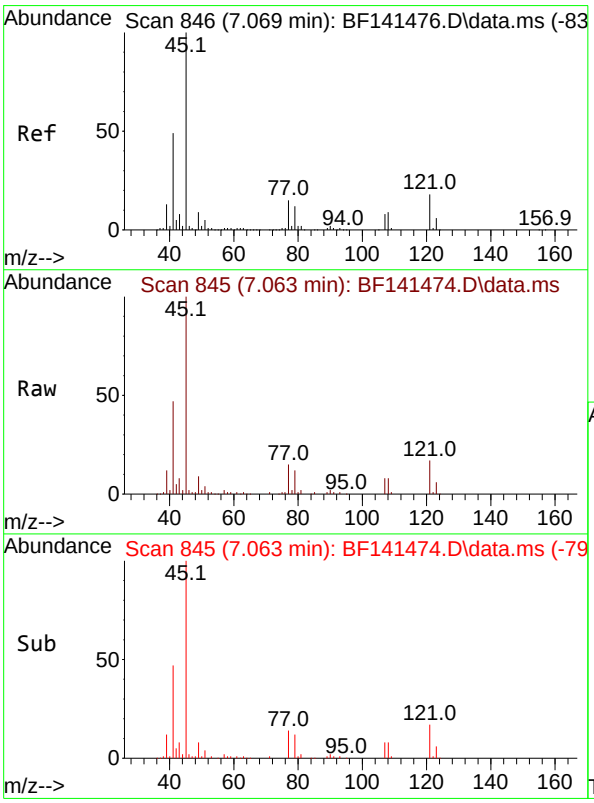
#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

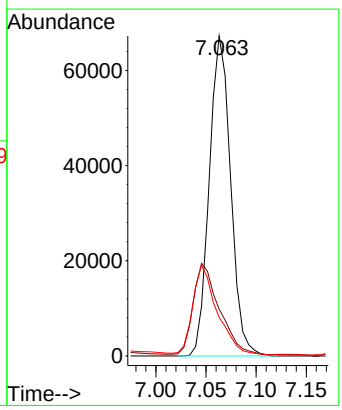


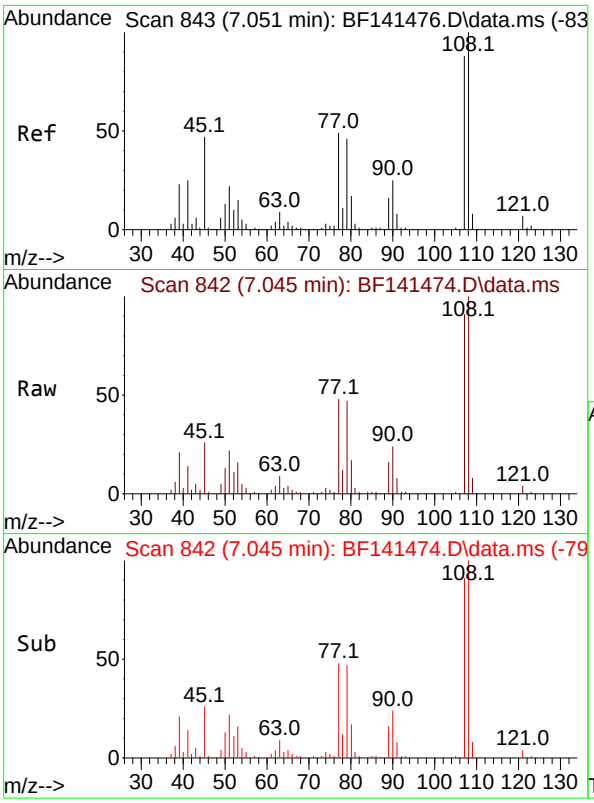


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.406 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



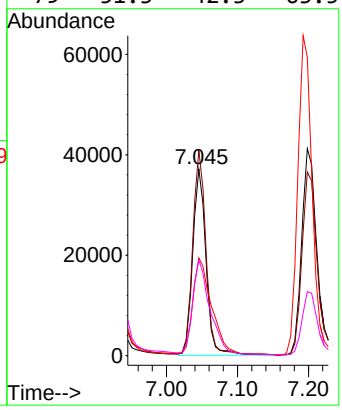


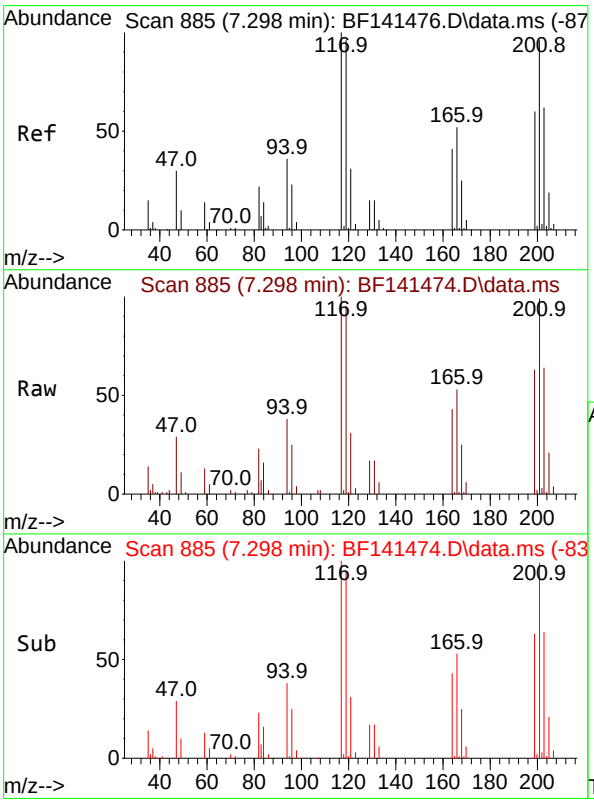
#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

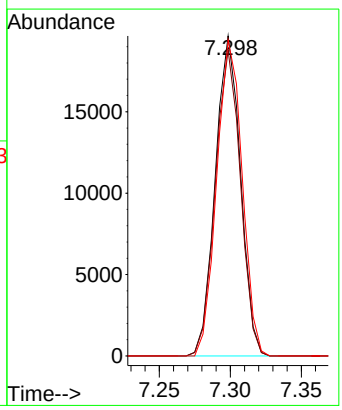


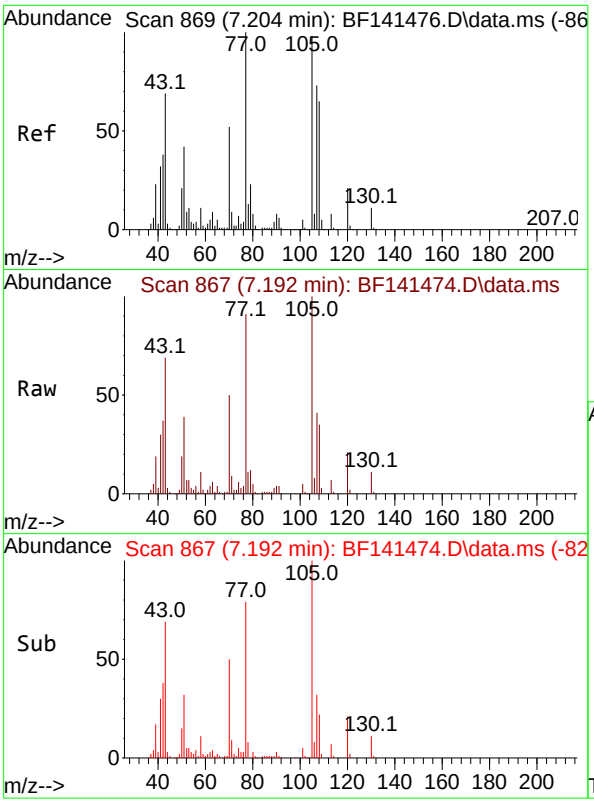


#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



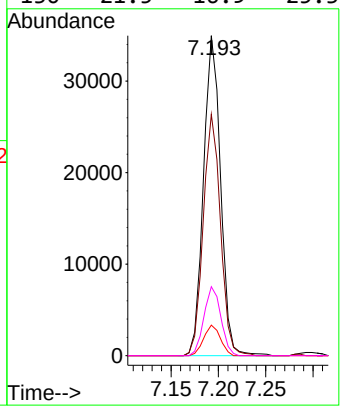


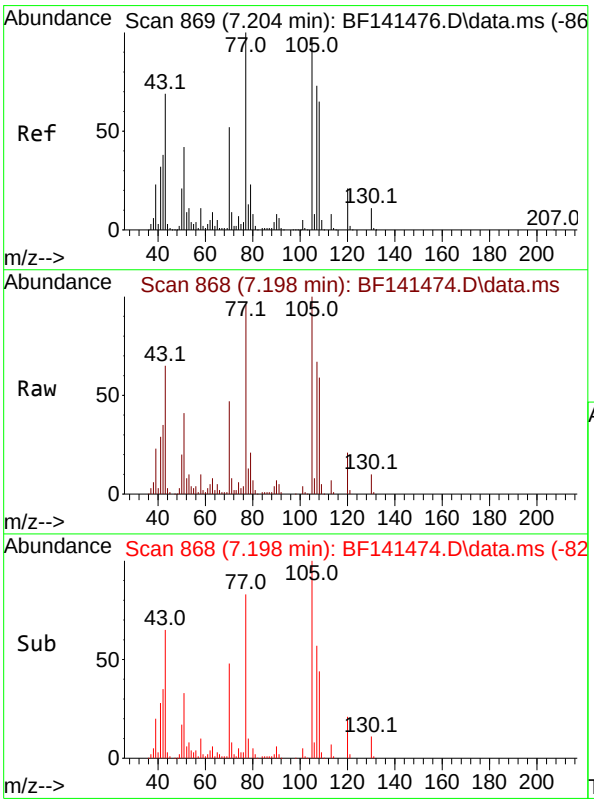
#19
n-Nitroso-di-n-propylamine
Concen: 10.210 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

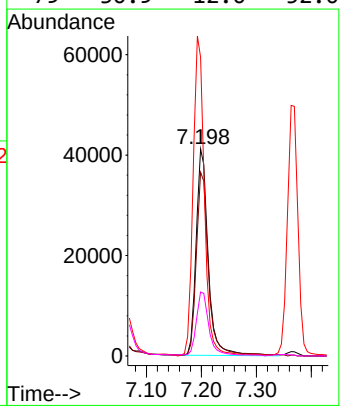


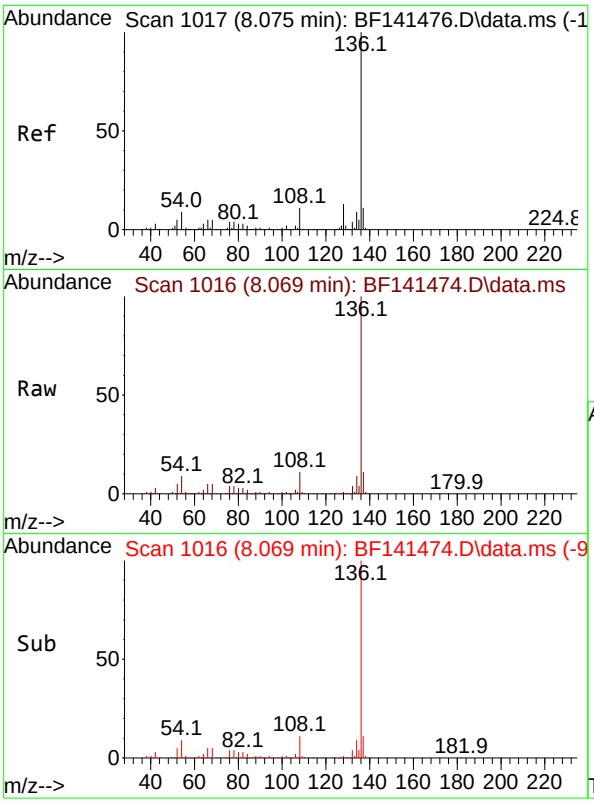


#20
3+4-Methylphenols
Concen: 10.332 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



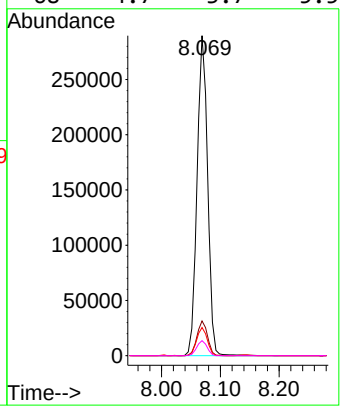


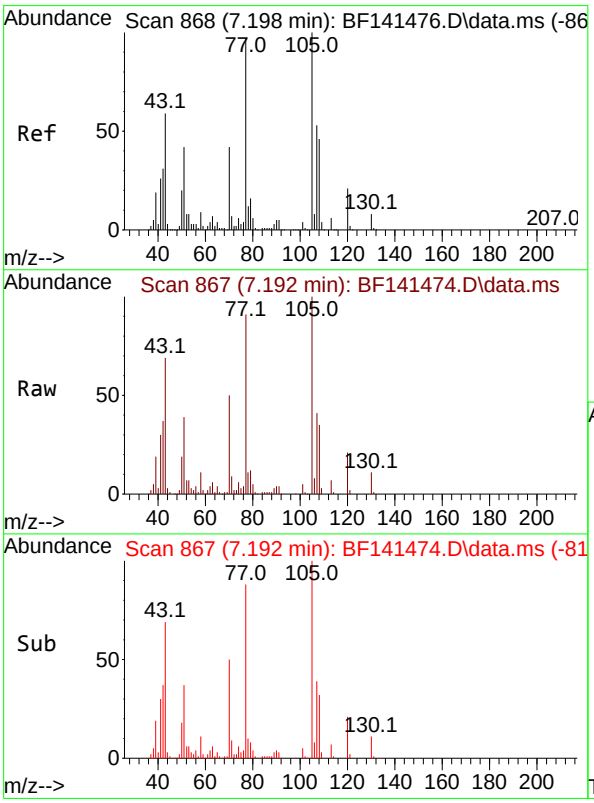
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

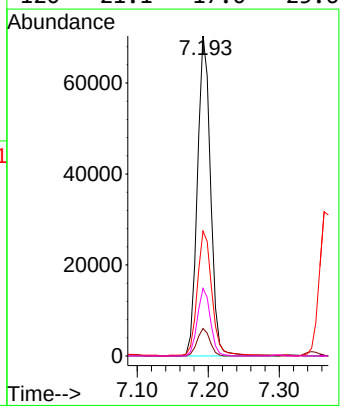


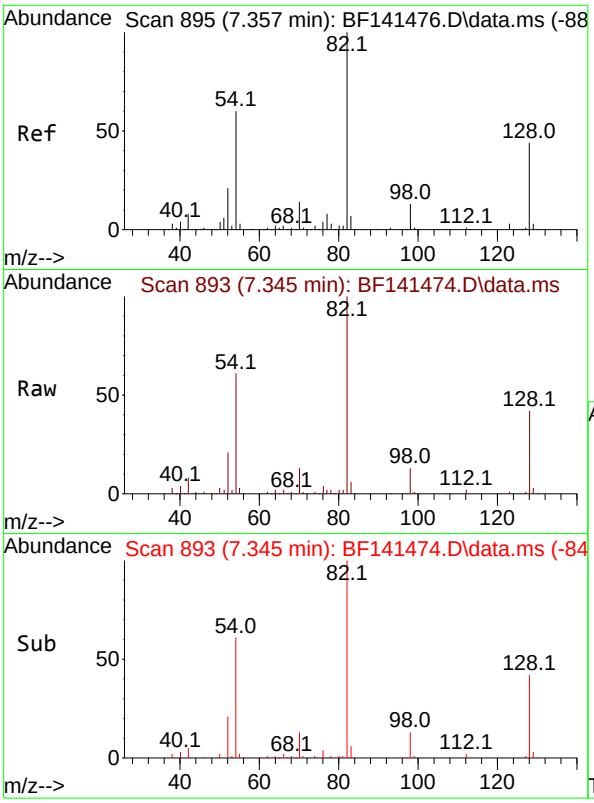


#22
Acetophenone
Concen: 10.085 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



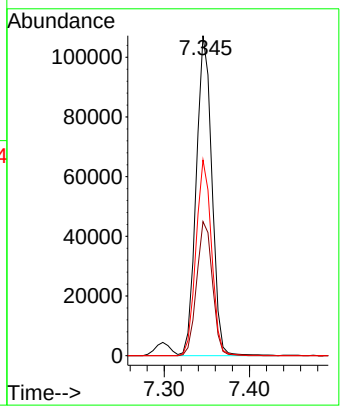


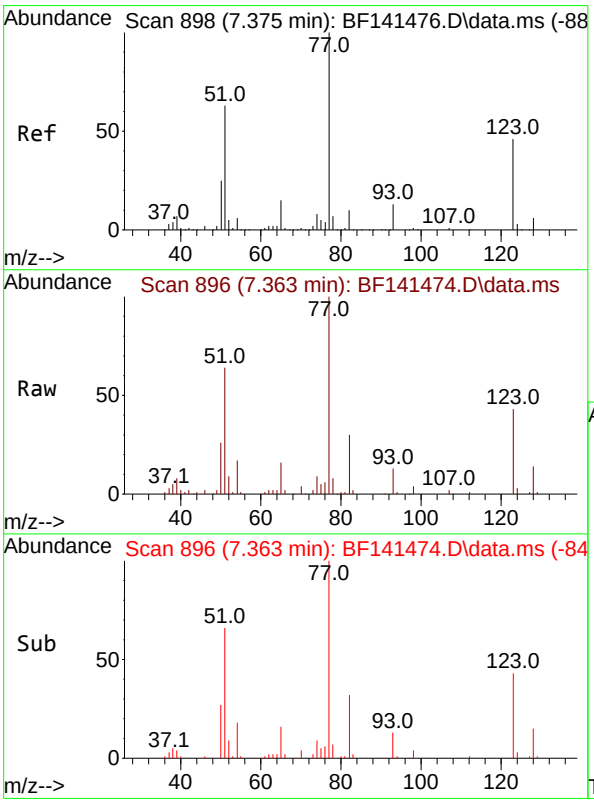
#23
Nitrobenzene-d5
Concen: 19.783 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

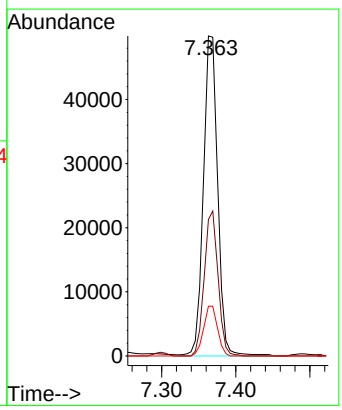


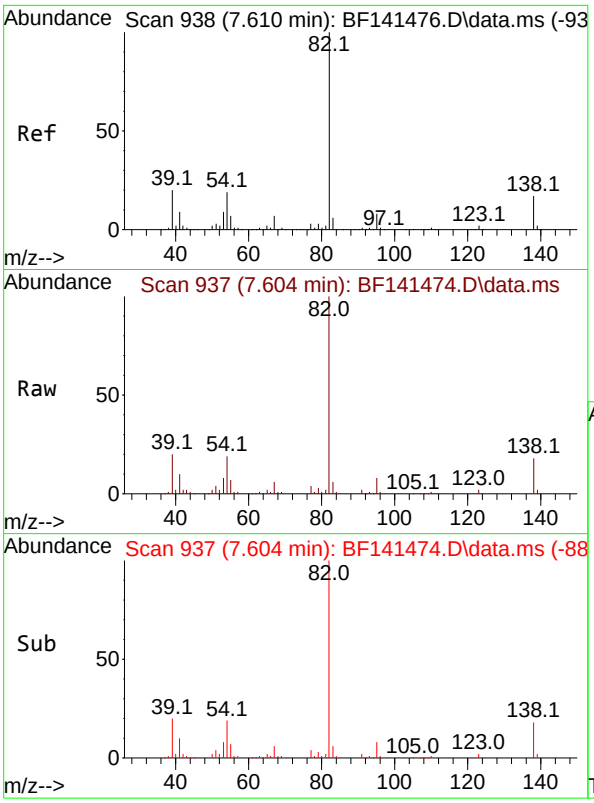


#24
Nitrobenzene
Concen: 9.927 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



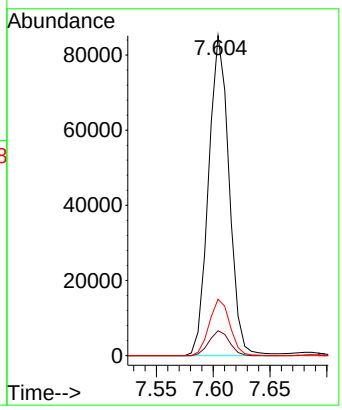


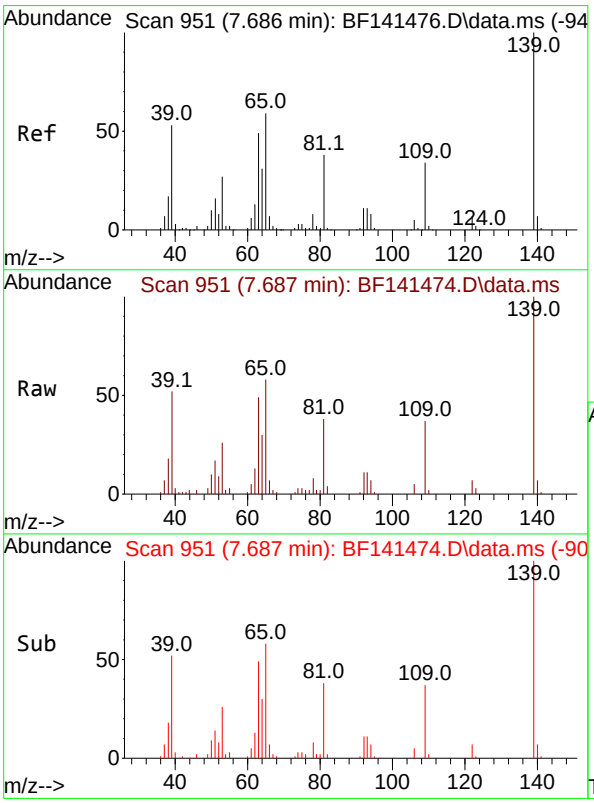
#25
Isophorone
Concen: 9.712 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

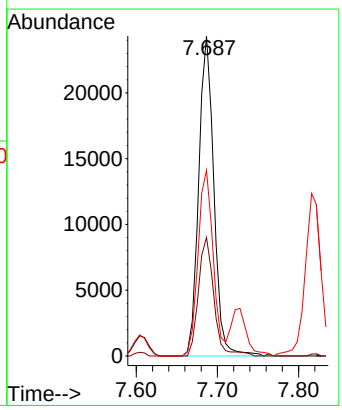


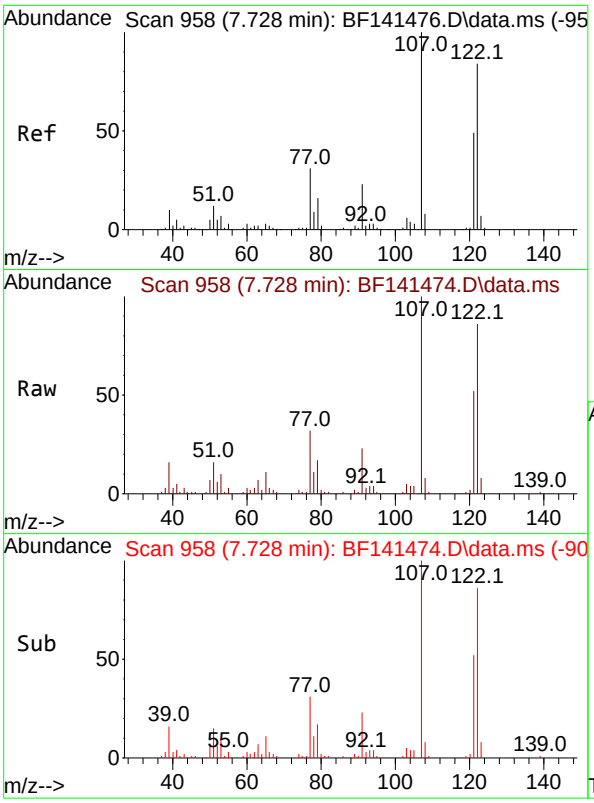


#26
2-Nitrophenol
Concen: 9.403 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



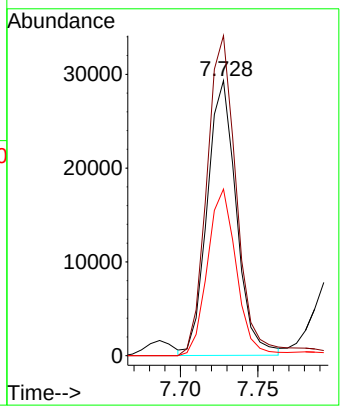


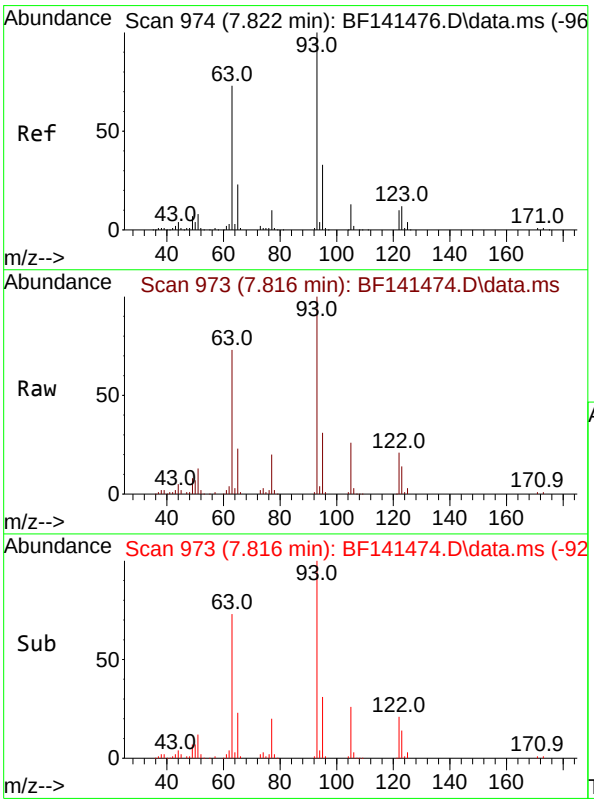
#27
2,4-Dimethylphenol
Concen: 9.759 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

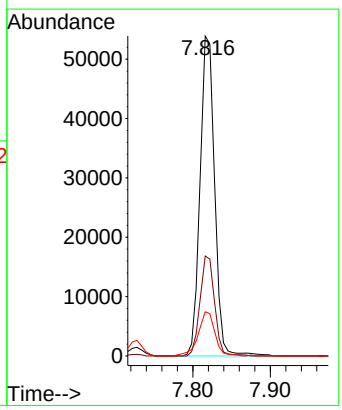


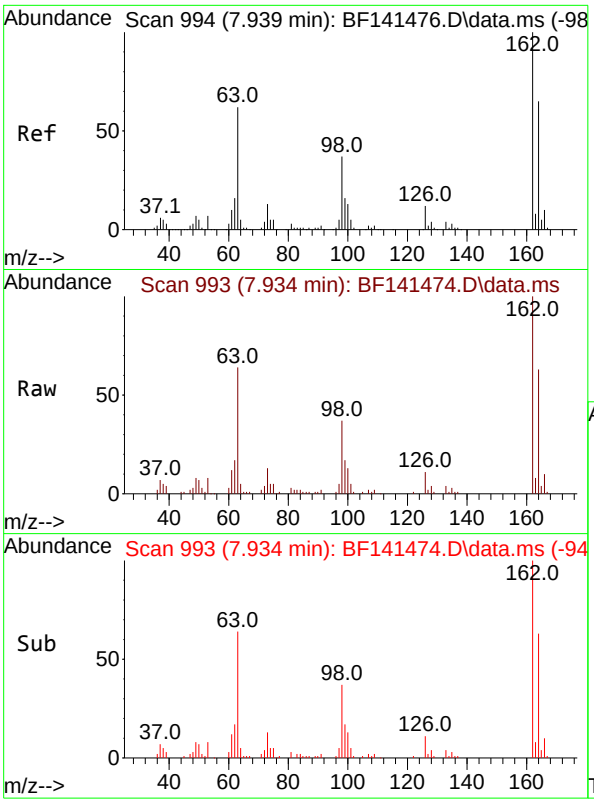


#28
bis(2-Chloroethoxy)methane
Concen: 9.958 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



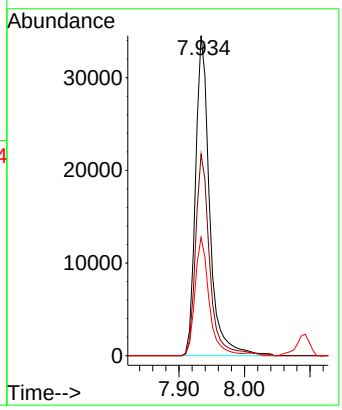


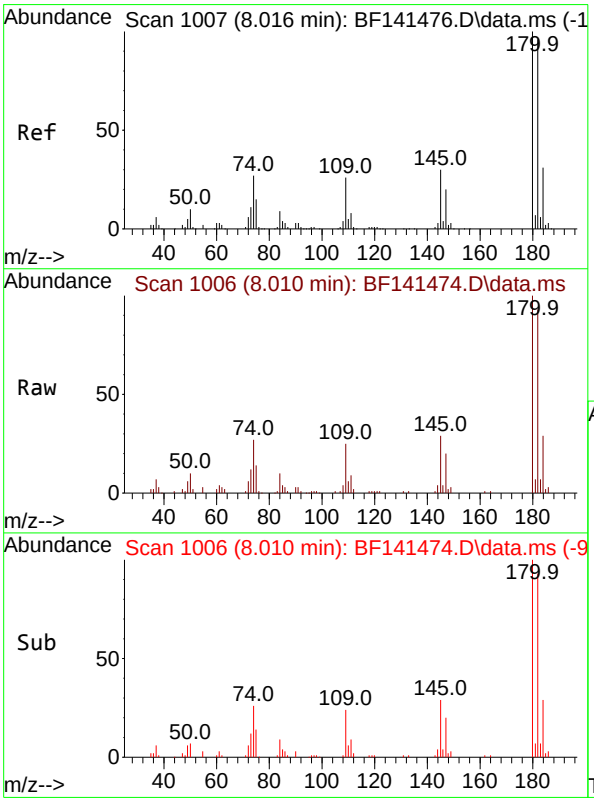
#29
2,4-Dichlorophenol
Concen: 9.784 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

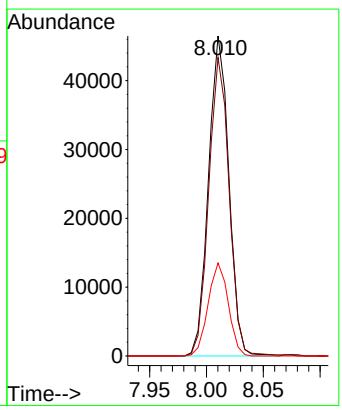


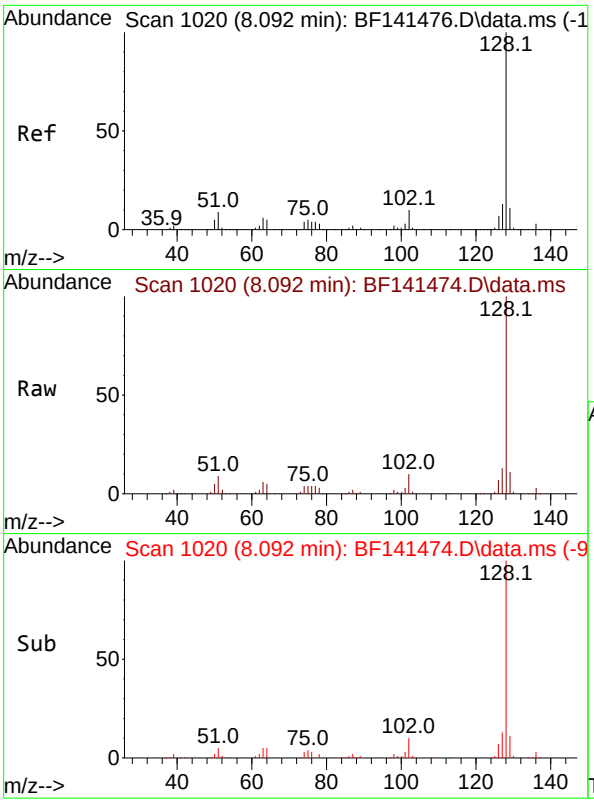


#30
1,2,4-Trichlorobenzene
Concen: 10.033 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



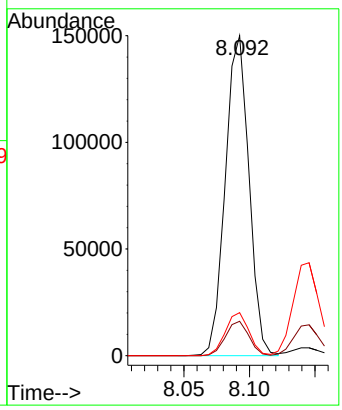


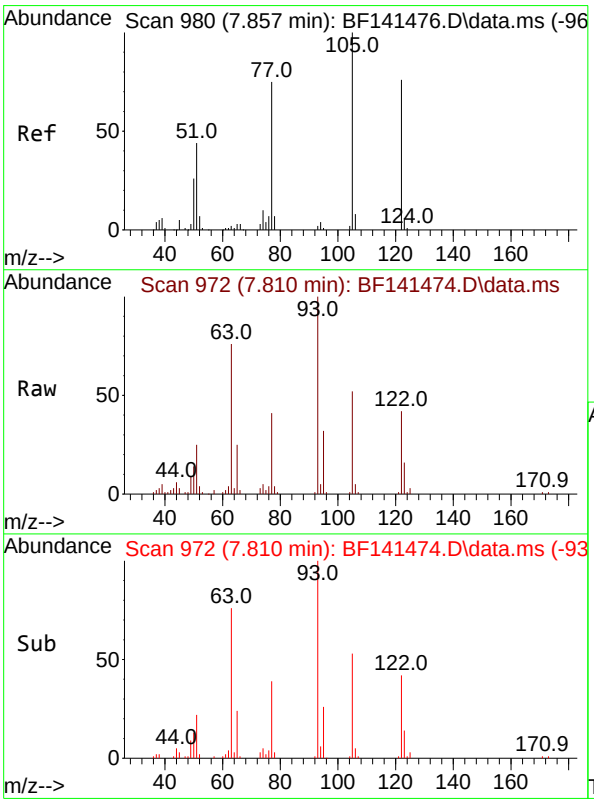
#31
Naphthalene
Concen: 10.002 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

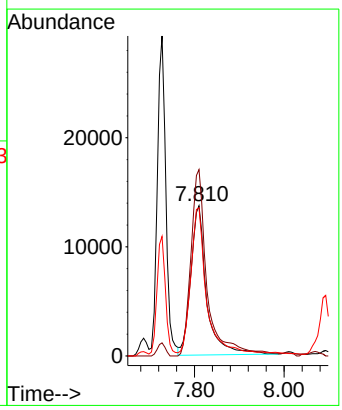


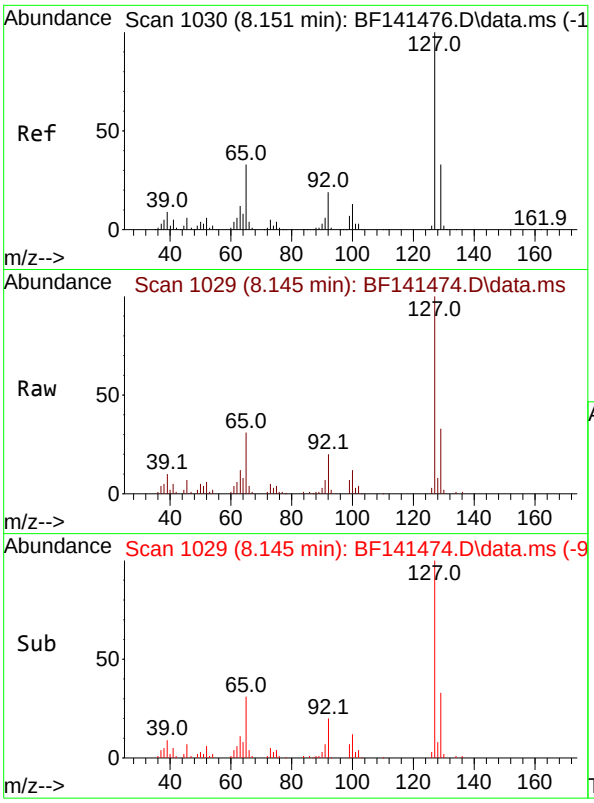


#32
Benzoic acid
Concen: 8.253 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



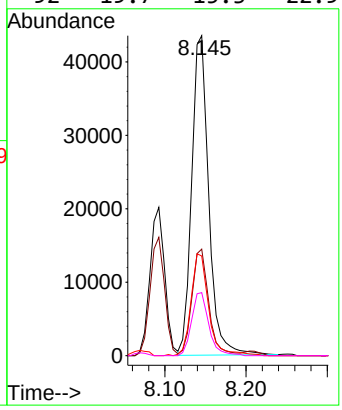


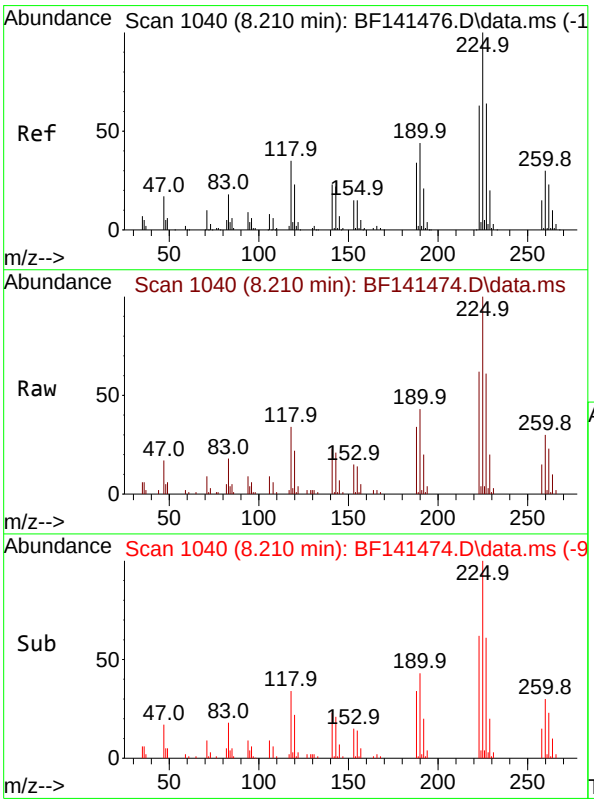
#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

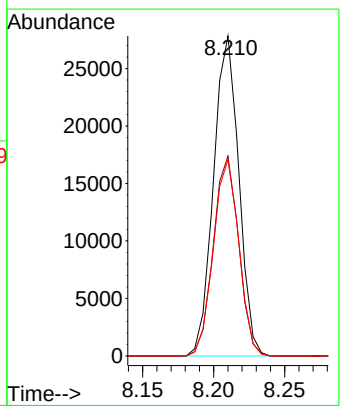


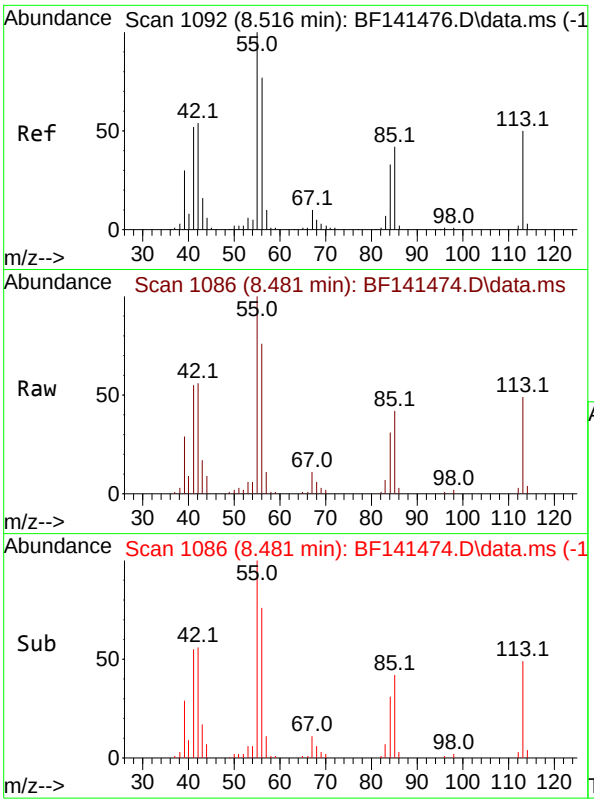


#34
Hexachlorobutadiene
Concen: 9.932 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



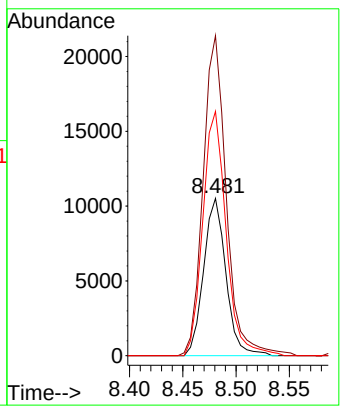


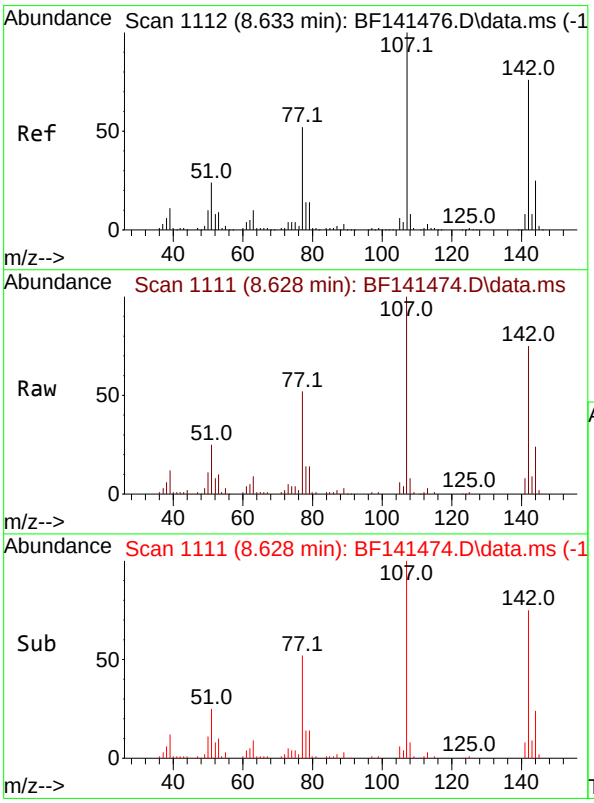
#35
Caprolactam
Concen: 9.495 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.065 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

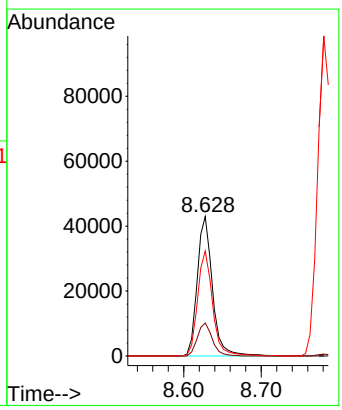


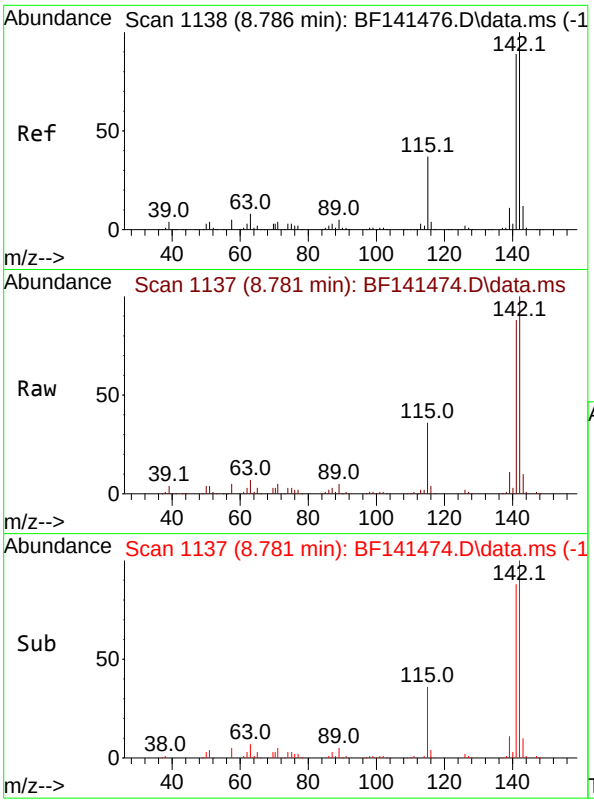


#36
4-Chloro-3-methylphenol
Concen: 9.949 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



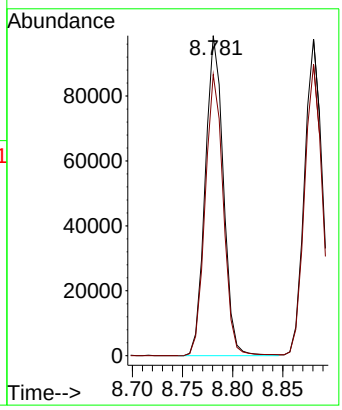


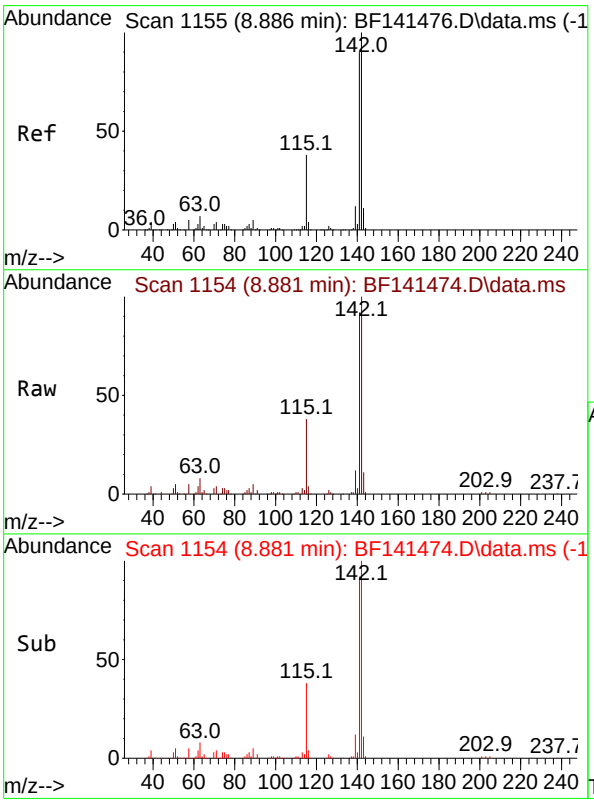
#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 124517

Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.2	106.8

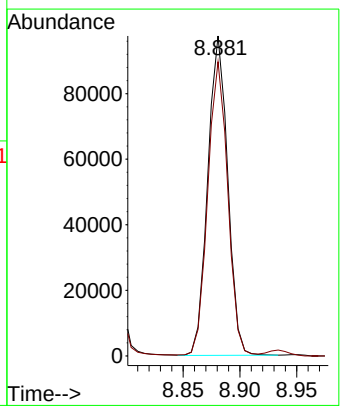


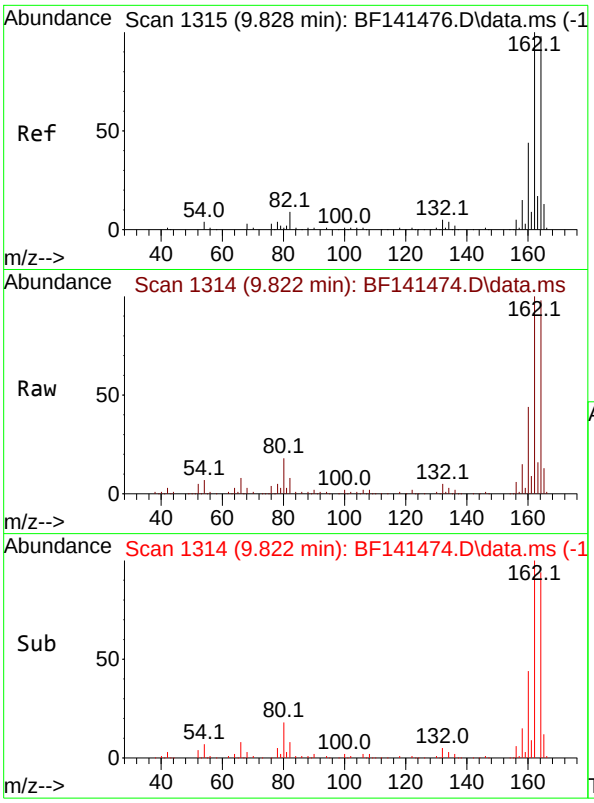


#38
1-Methylnaphthalene
Concen: 10.019 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 118722

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.1	108.1



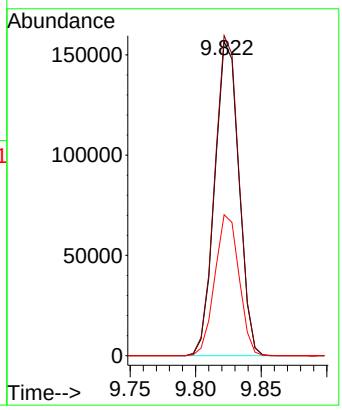


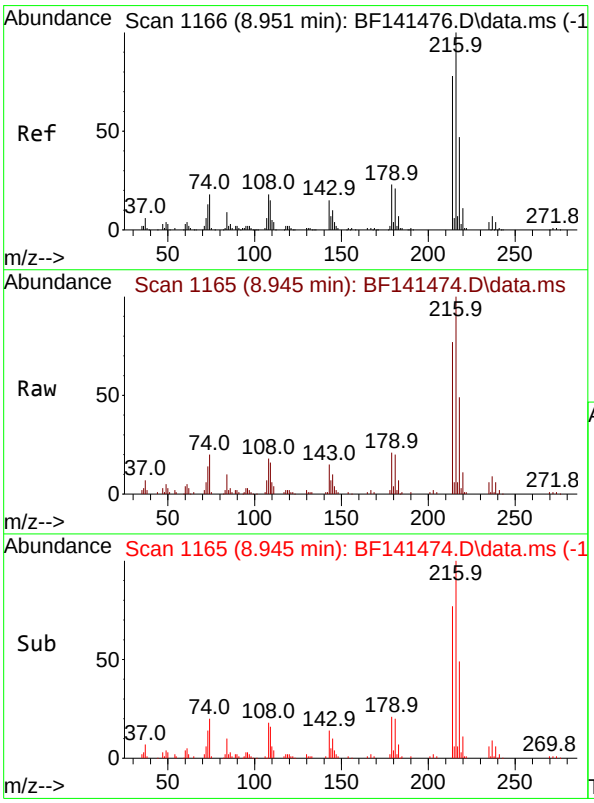
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

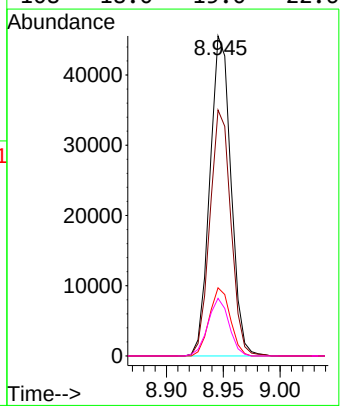


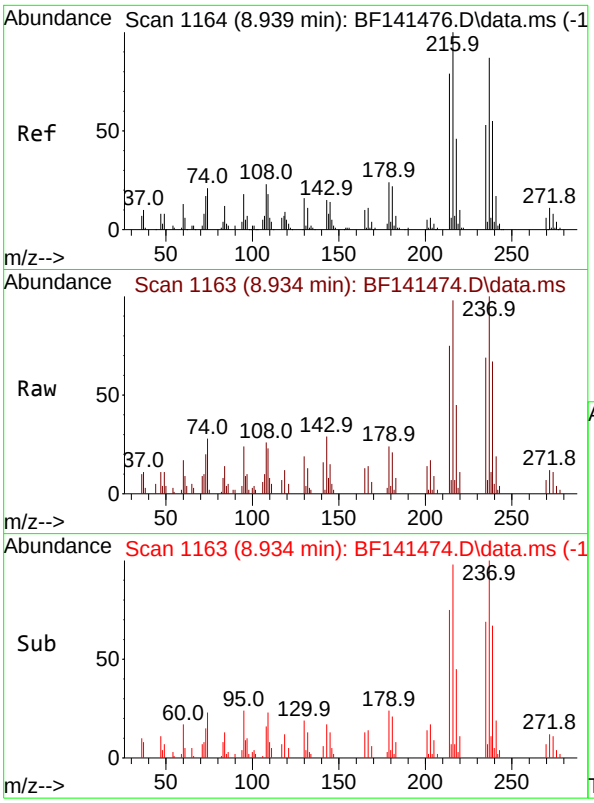


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.160 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



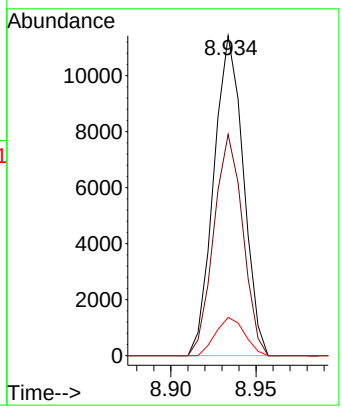


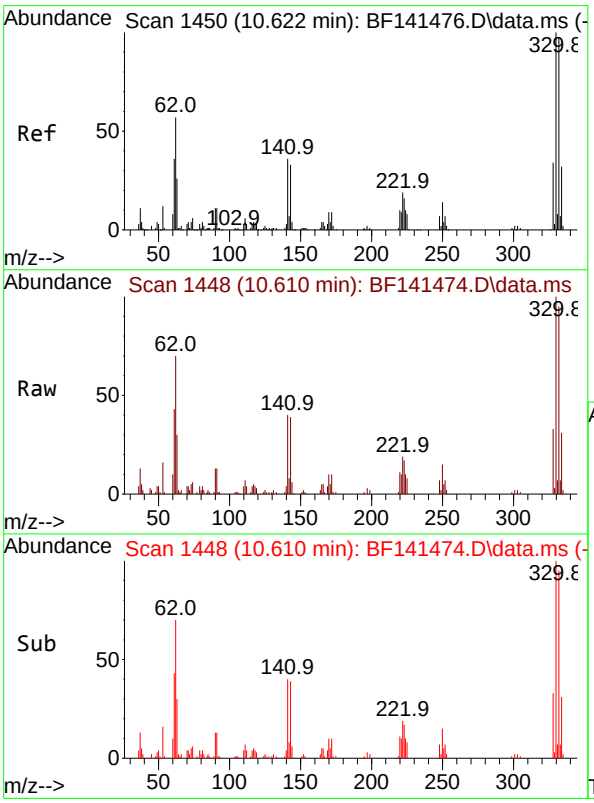
#41
Hexachlorocyclopentadiene
Concen: 7.161 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

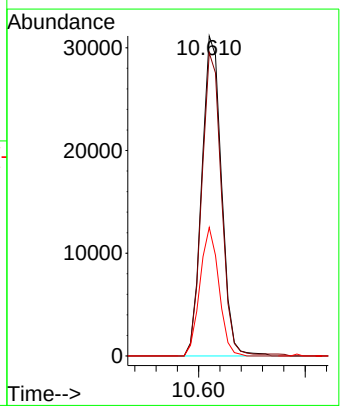


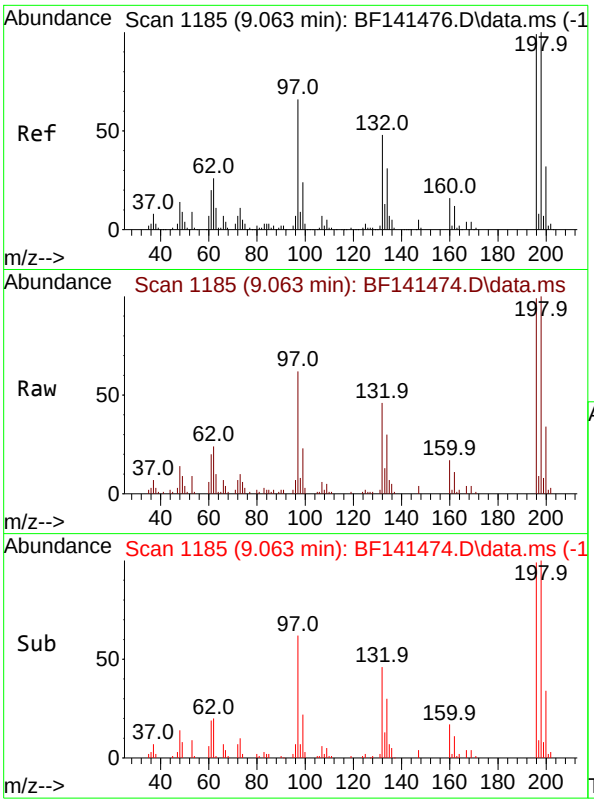


#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



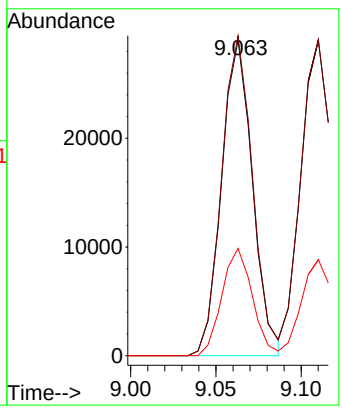


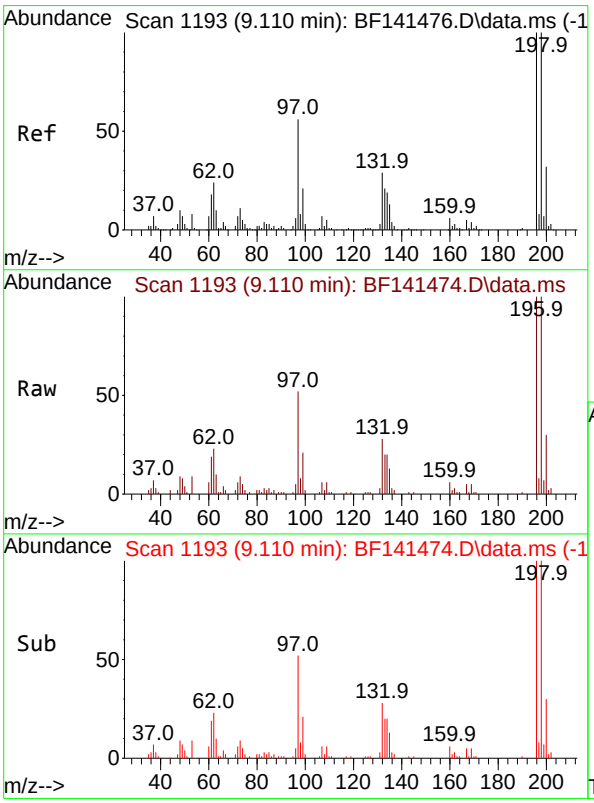
#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

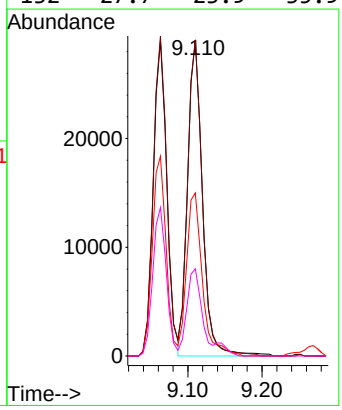


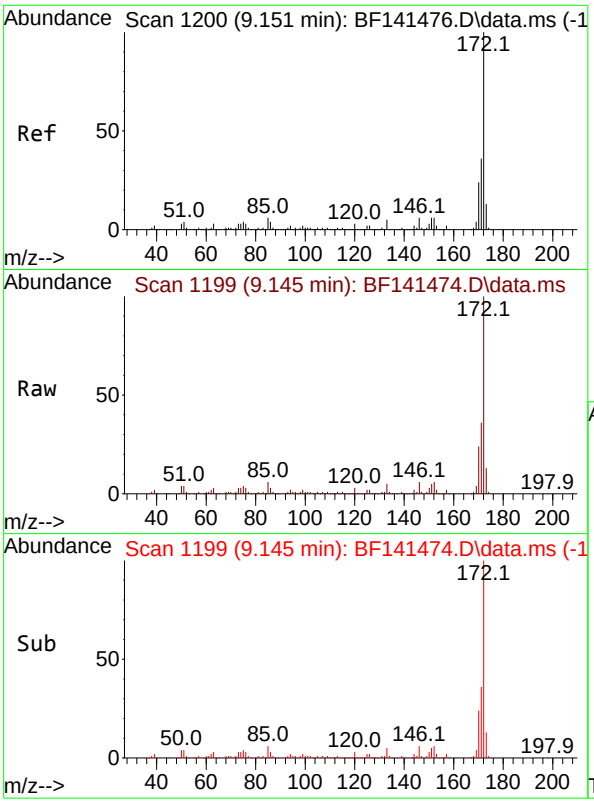


#44
2,4,5-Trichlorophenol
Concen: 10.039 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



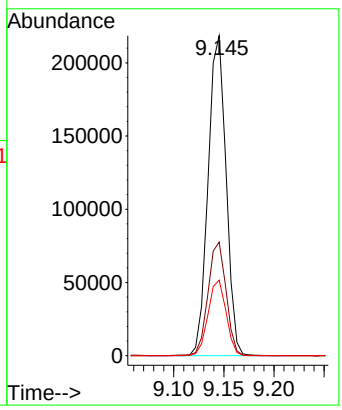


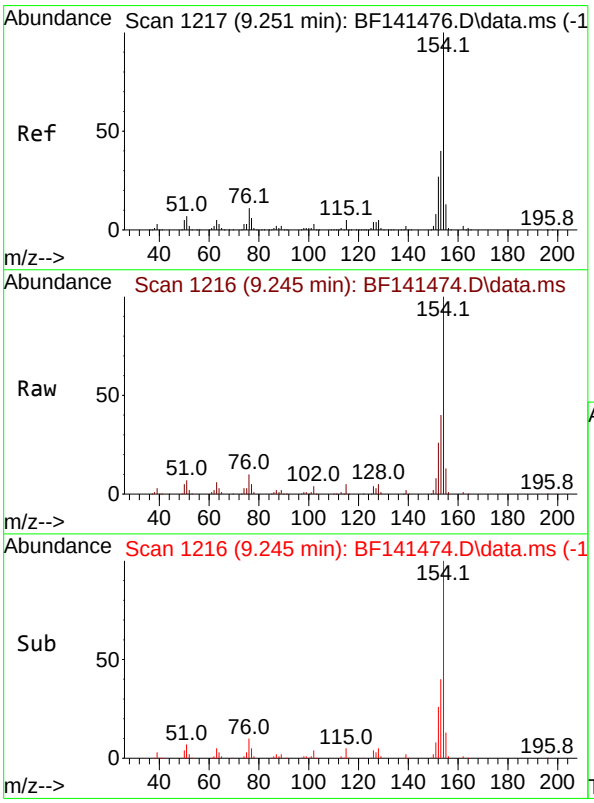
#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

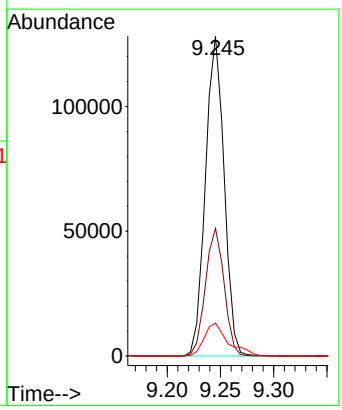


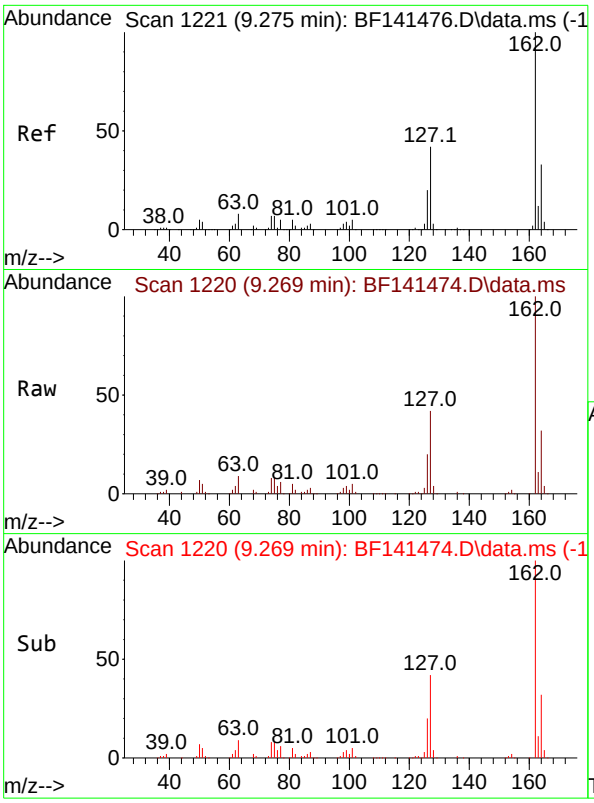


#46
1,1'-Biphenyl
Concen: 10.086 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



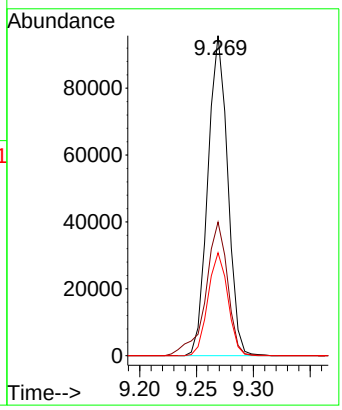


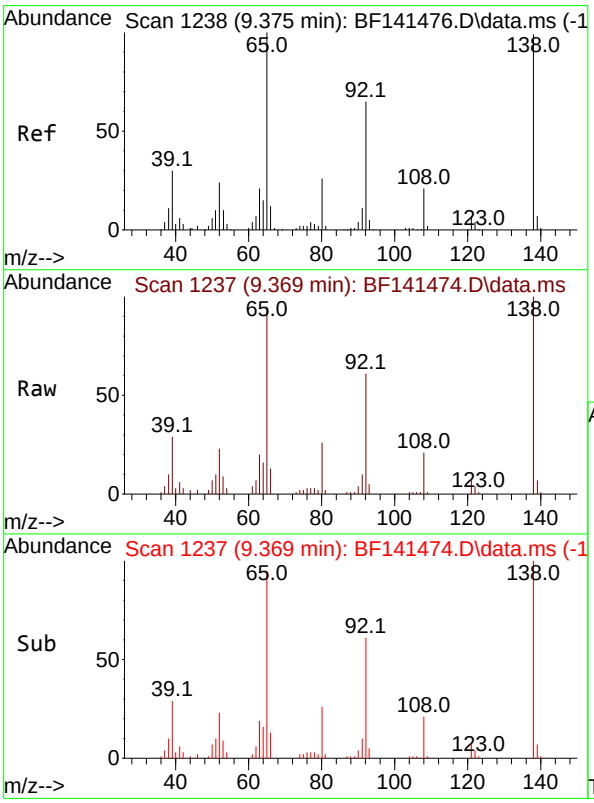
#47
2-Chloronaphthalene
Concen: 10.125 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

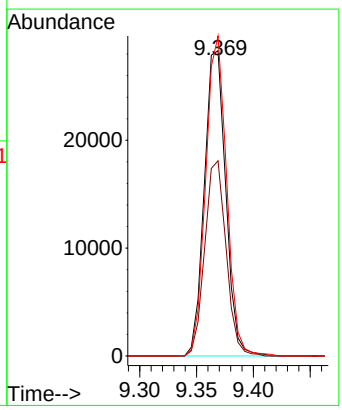


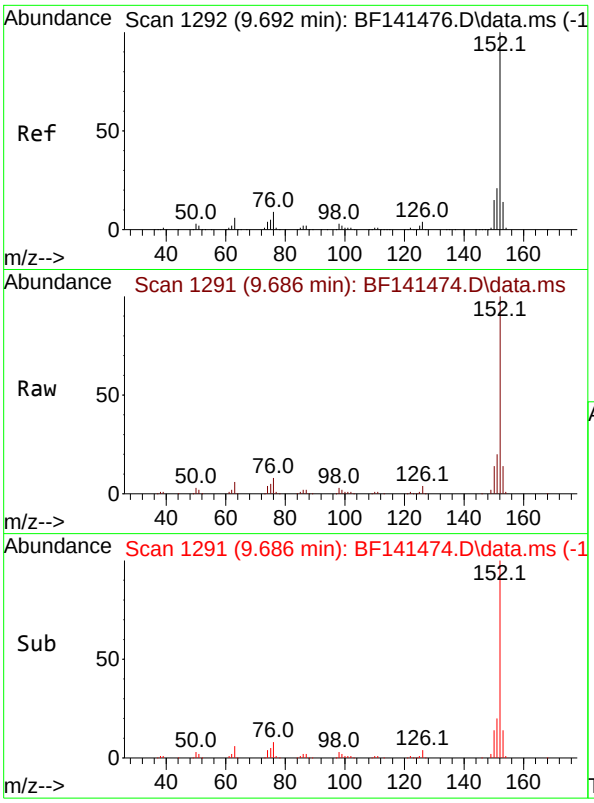


#48
2-Nitroaniline
Concen: 9.653 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



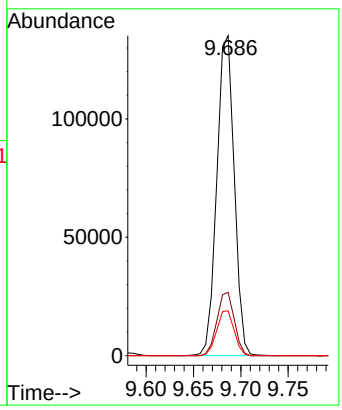


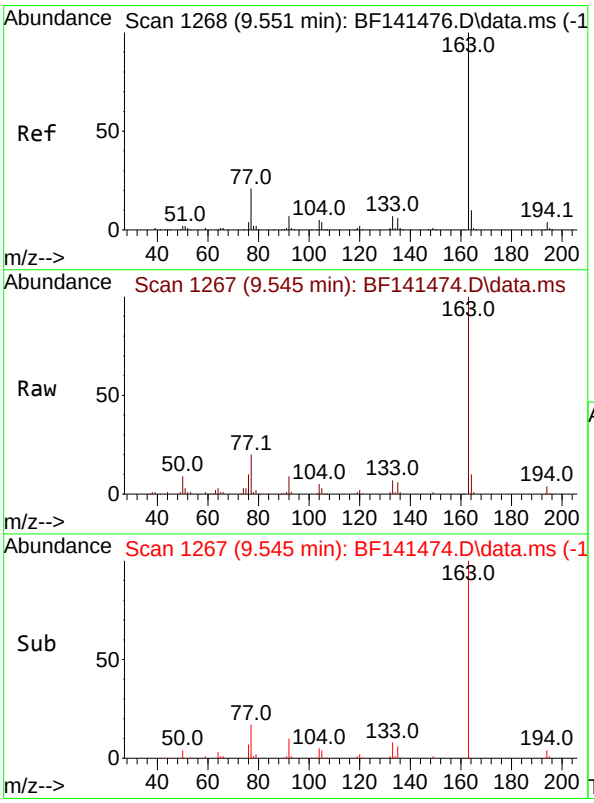
#49
Acenaphthylene
Concen: 10.179 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

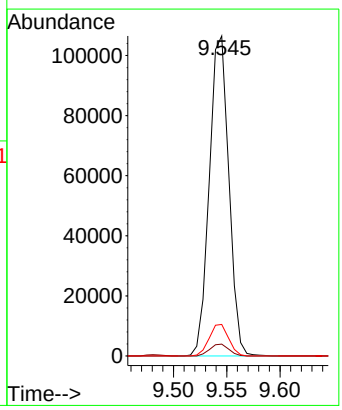


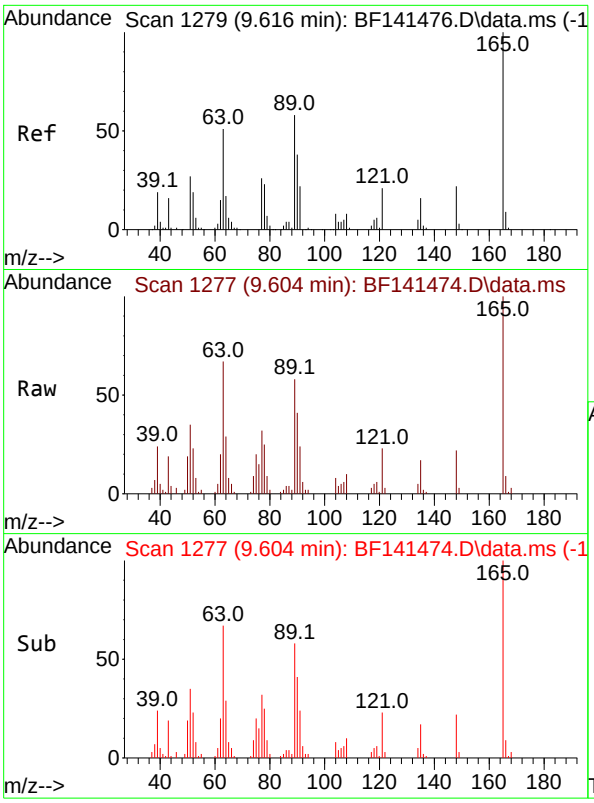


#50
Dimethylphthalate
Concen: 10.006 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



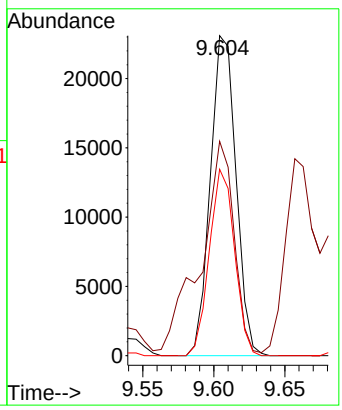


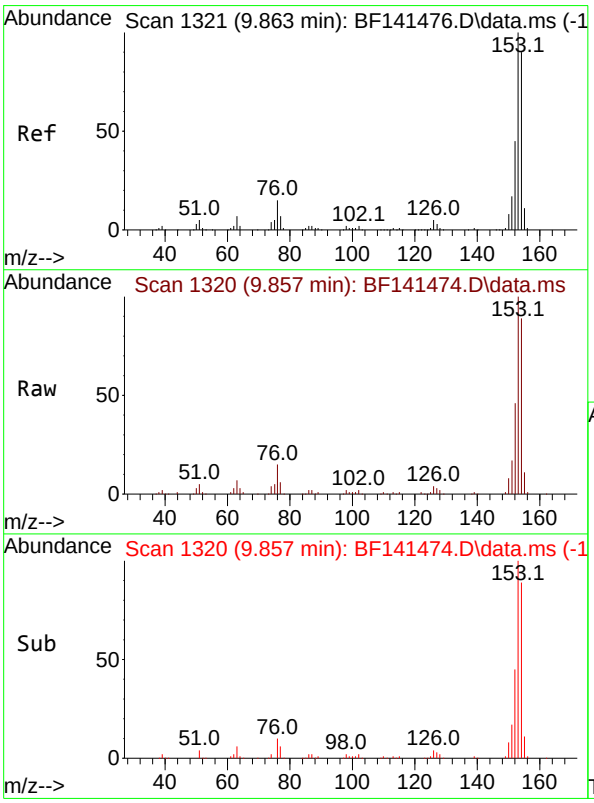
#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

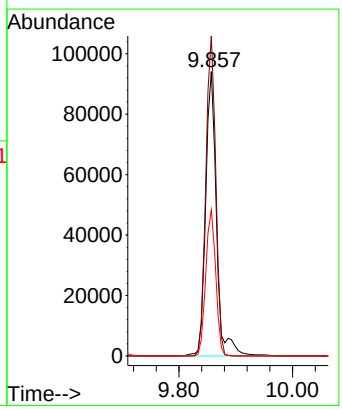


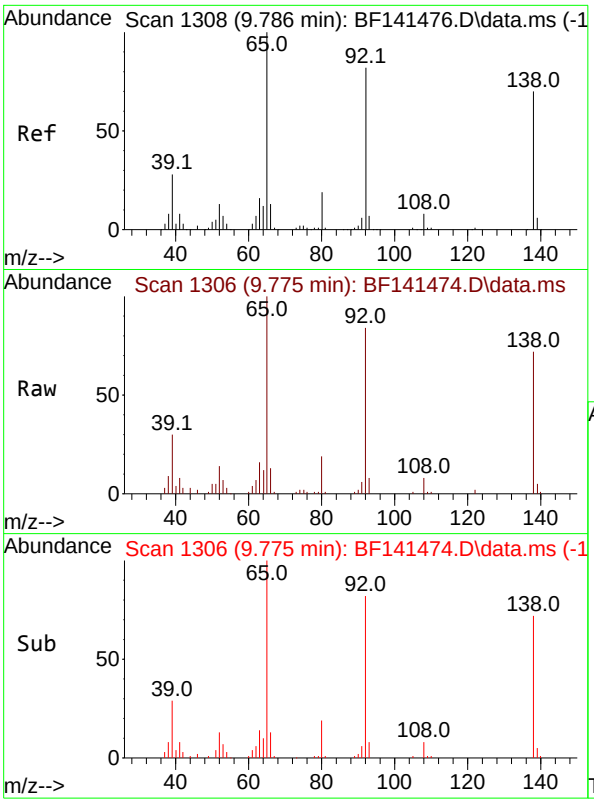


#52
Acenaphthene
Concen: 10.816 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:154 Resp: 124038

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.2	133.8
152	51.4	39.8	59.8



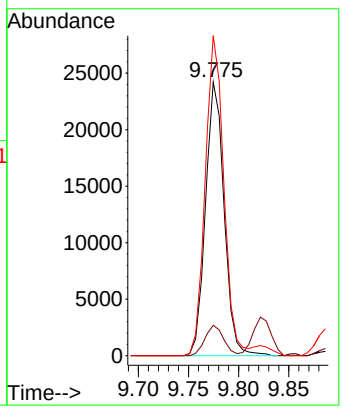


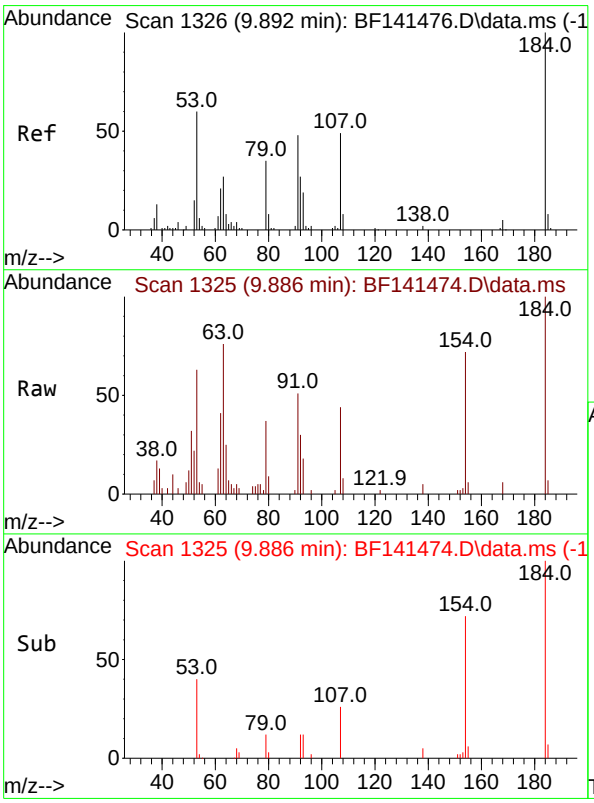
#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

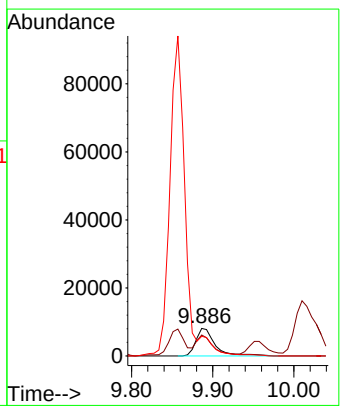


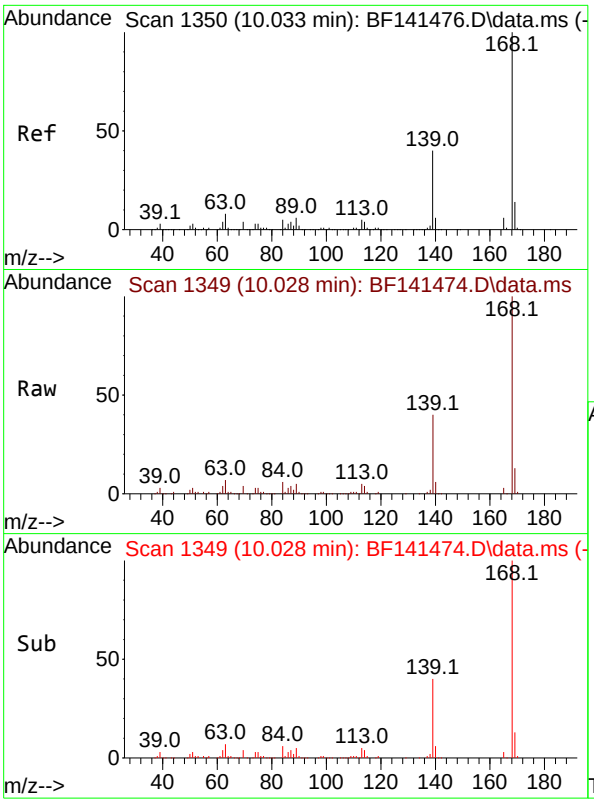


#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



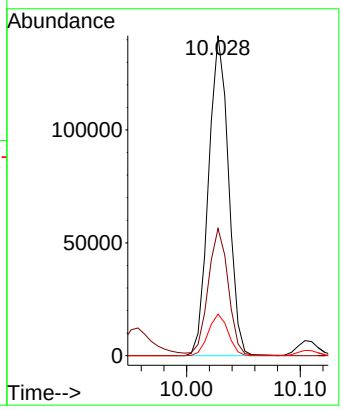


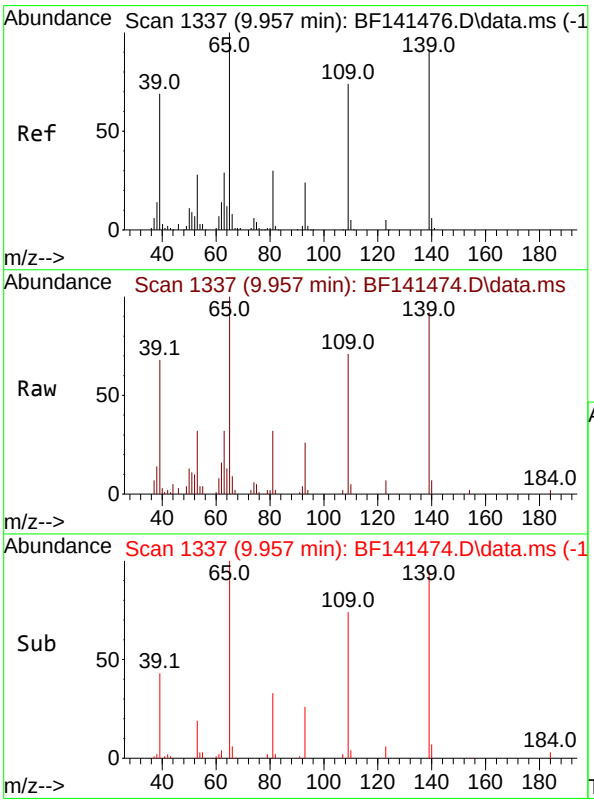
#55
Dibenzofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

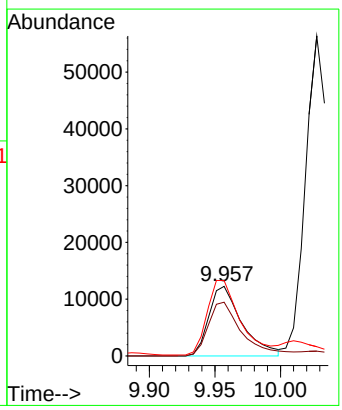


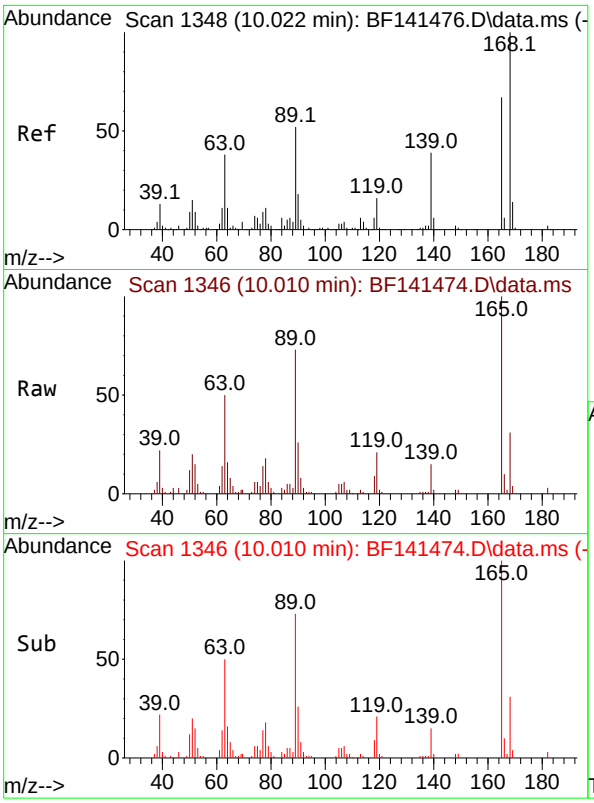


#56
4-Nitrophenol
Concen: 9.093 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



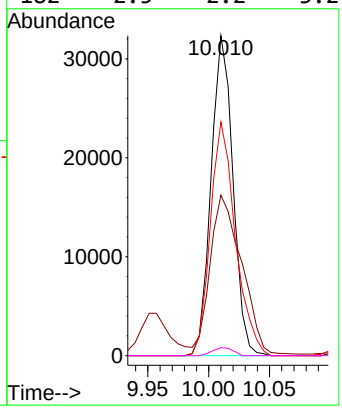


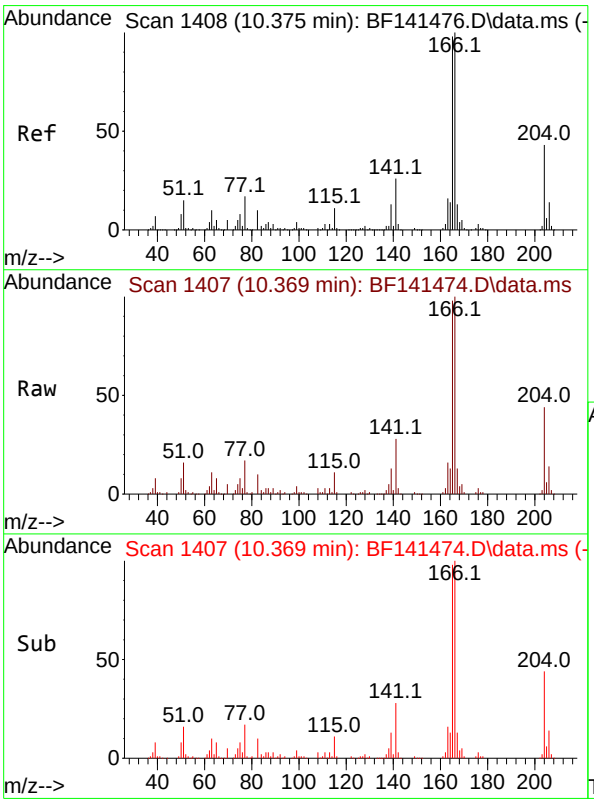
#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

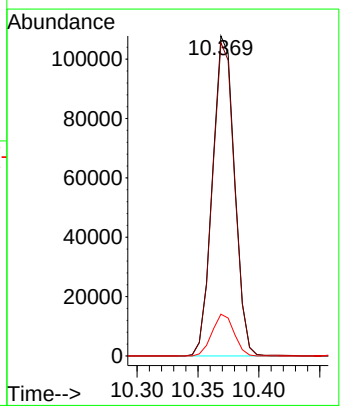


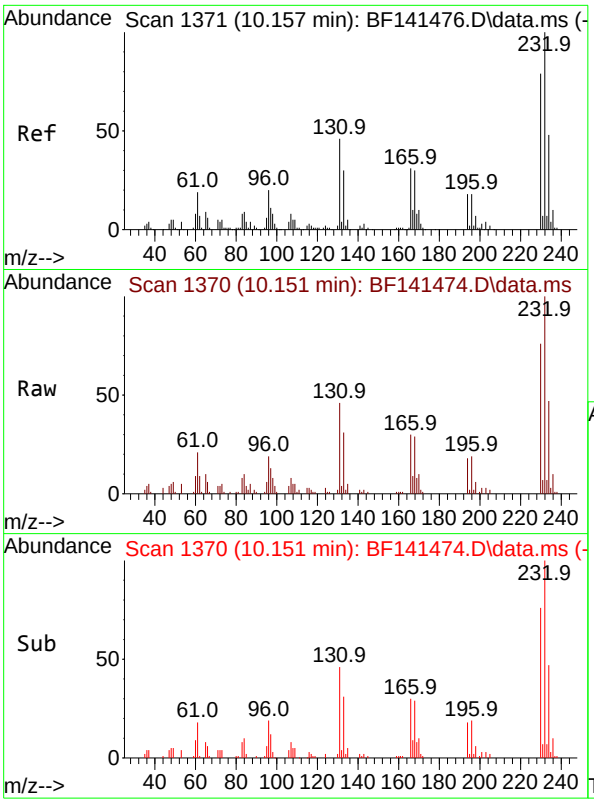


#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



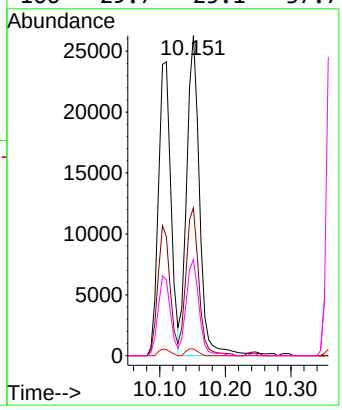


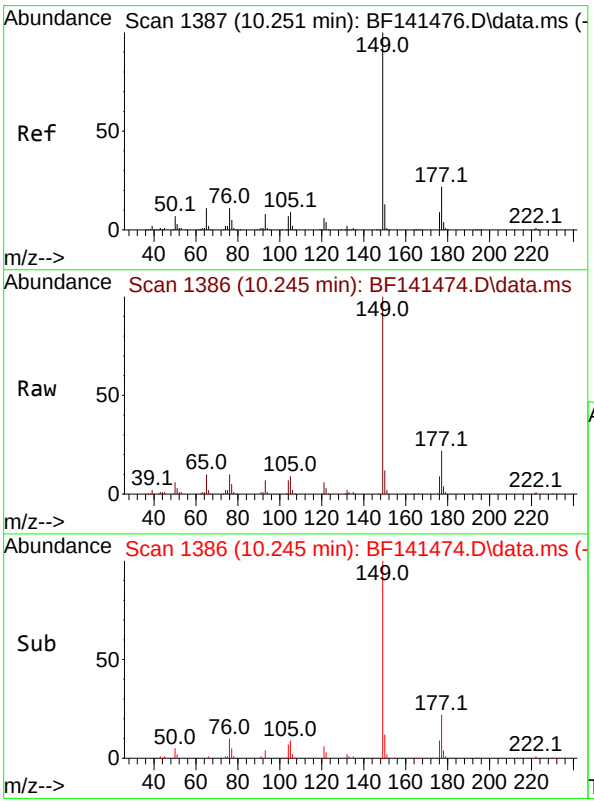
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

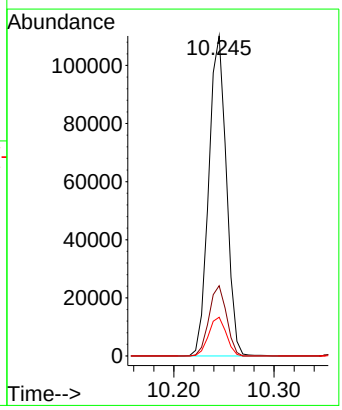


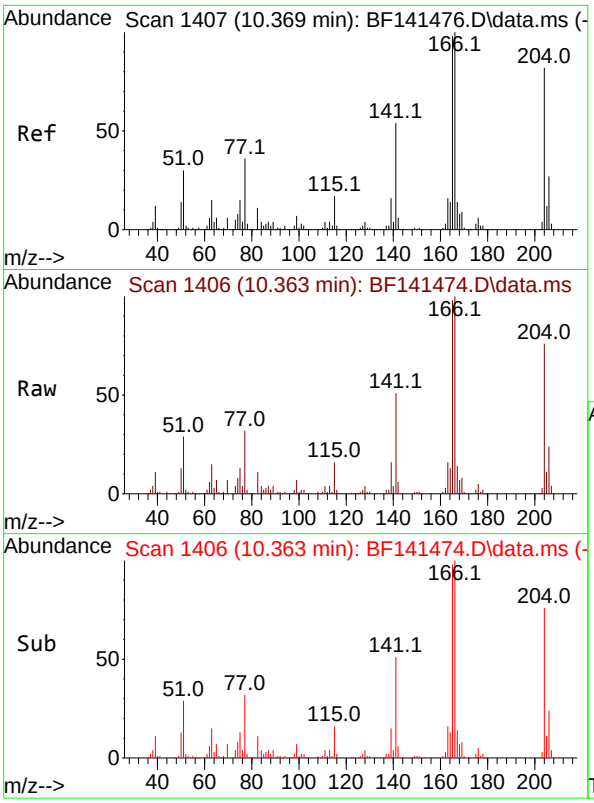


#60
Diethylphthalate
Concen: 10.073 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



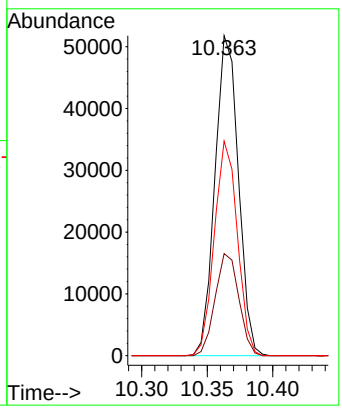


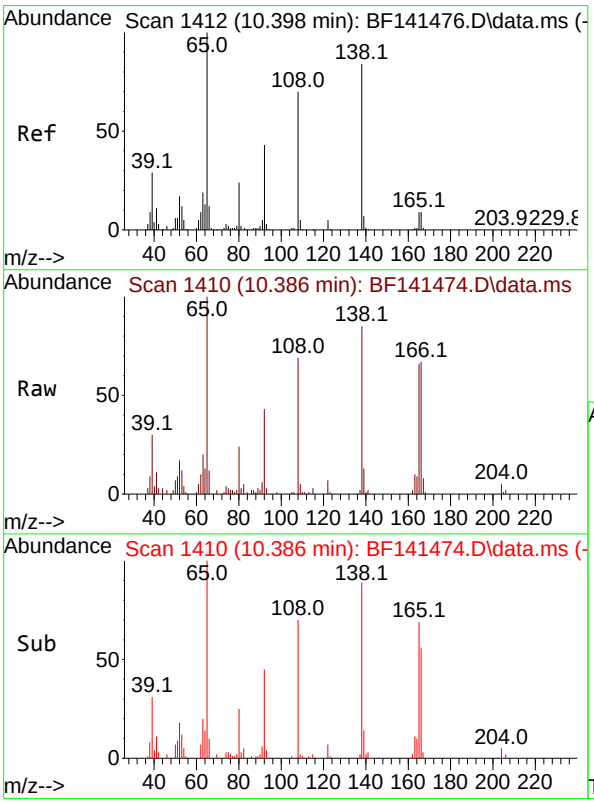
#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

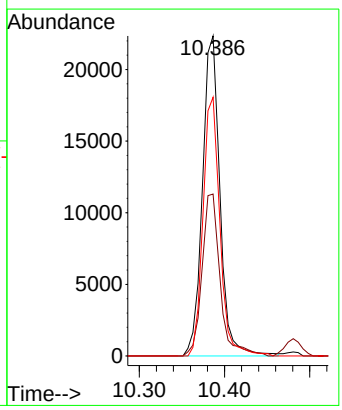


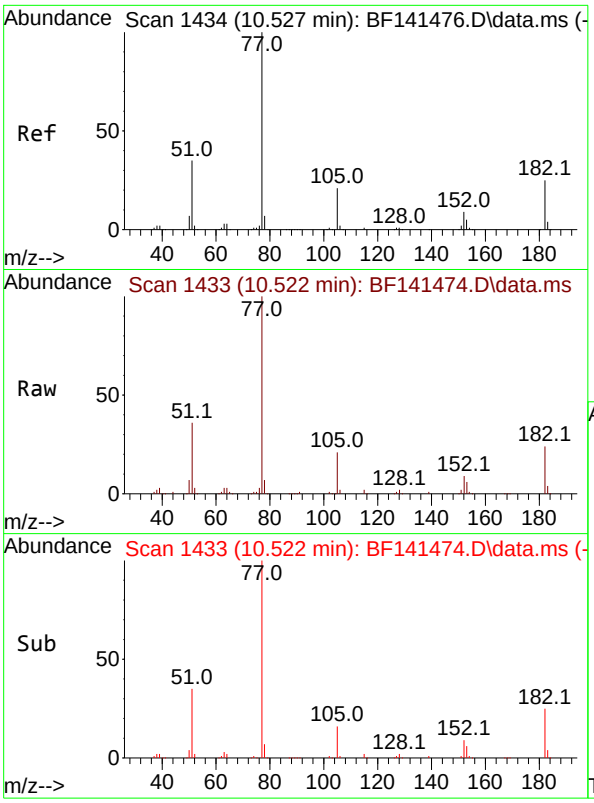


#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



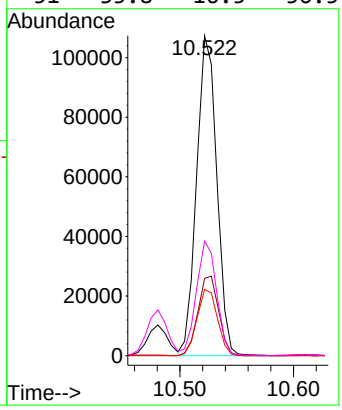


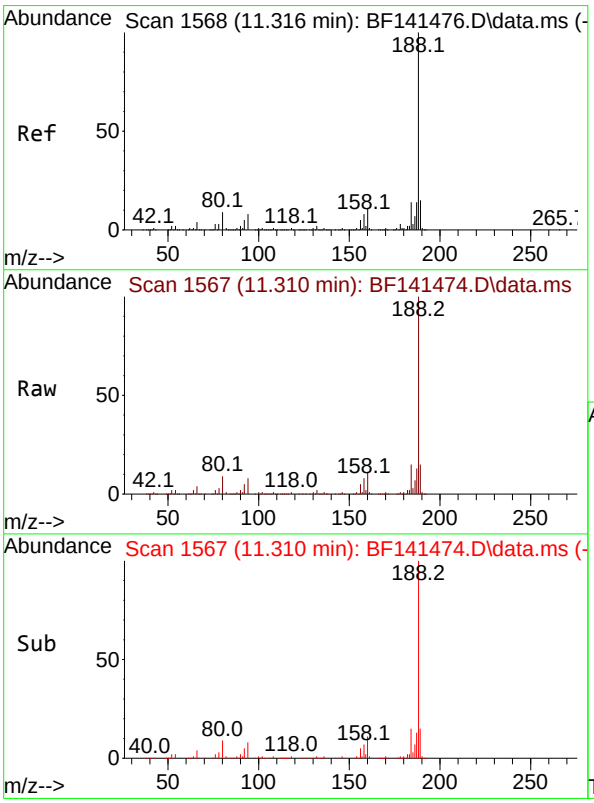
#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

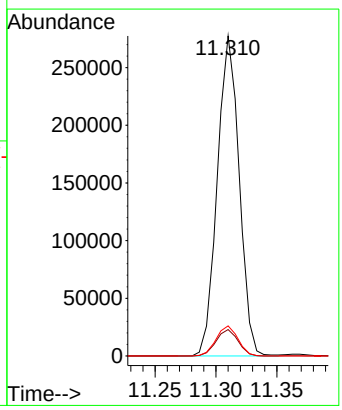


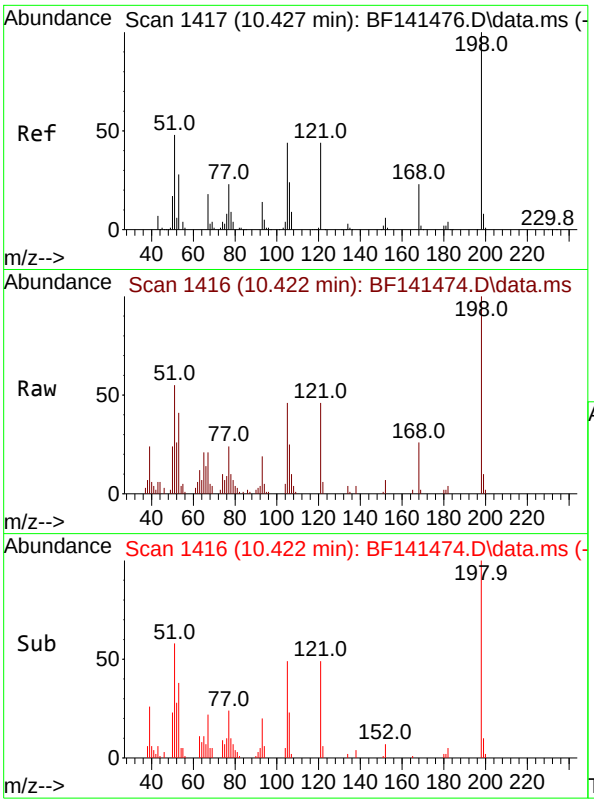


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



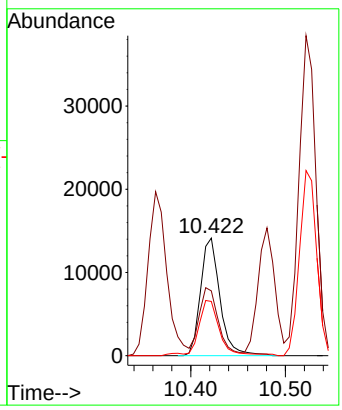


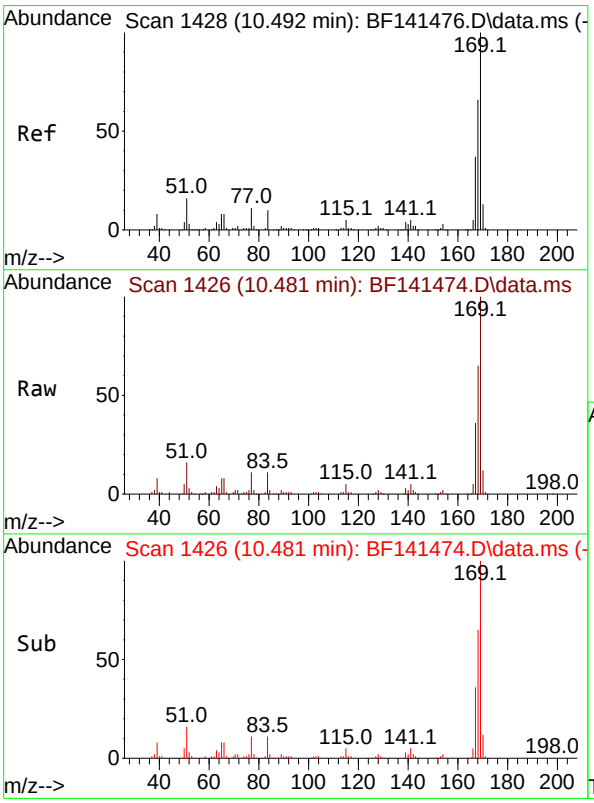
#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

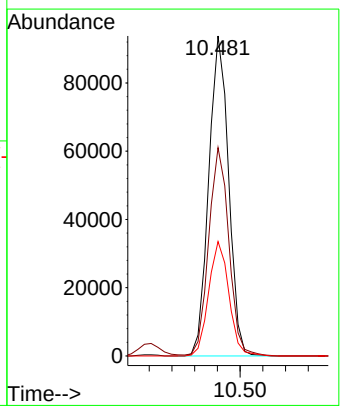


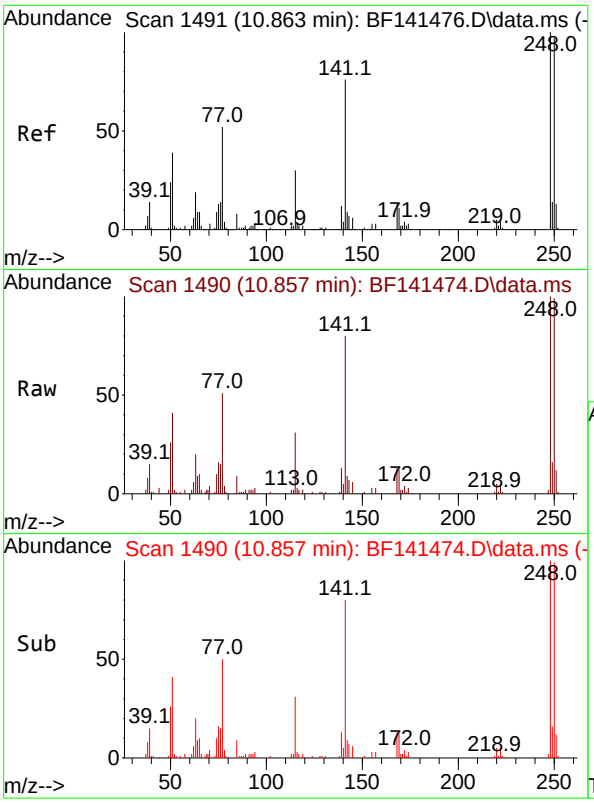


#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



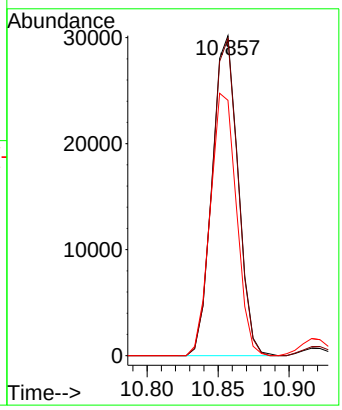


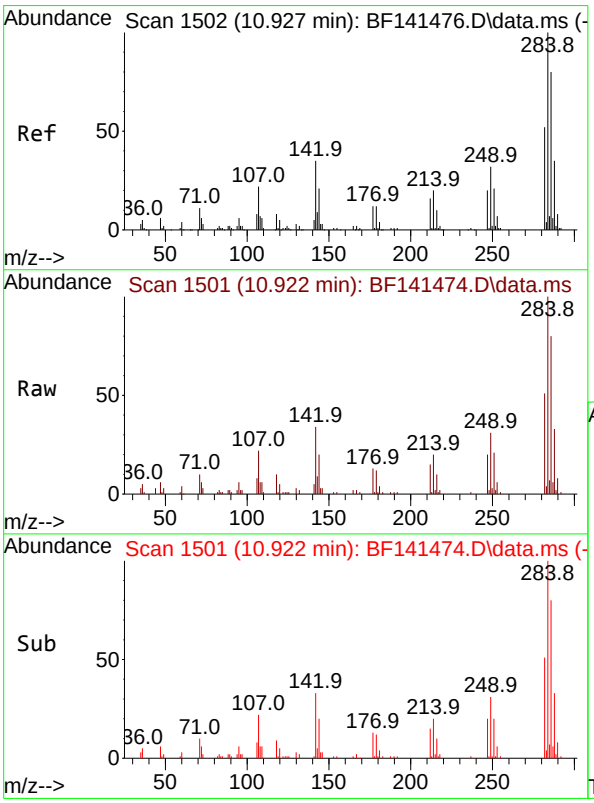
#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

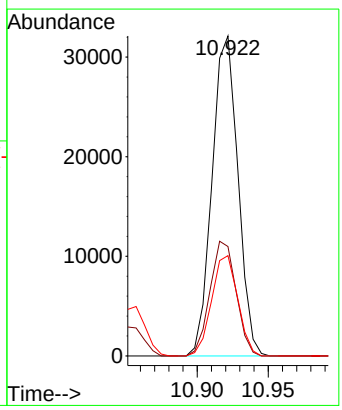


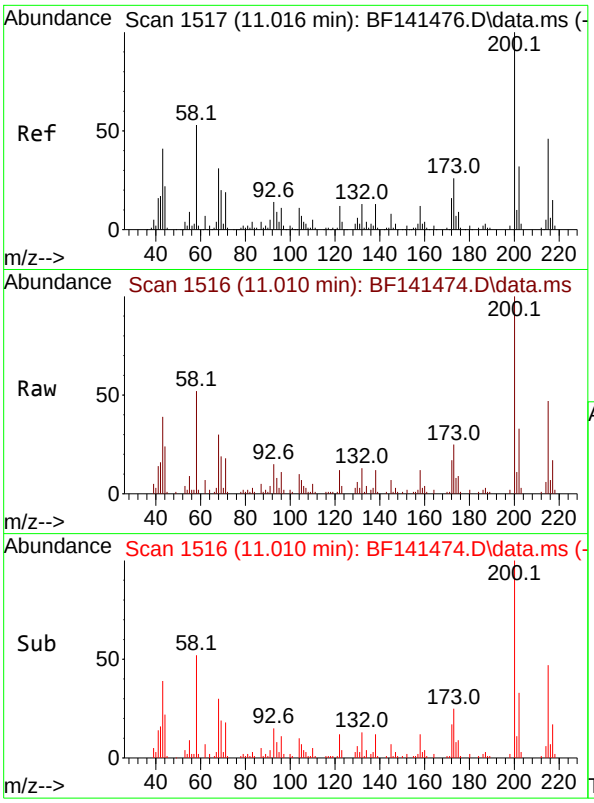


#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



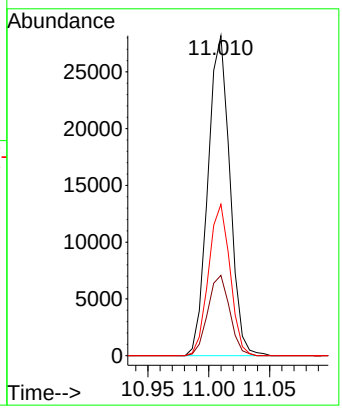


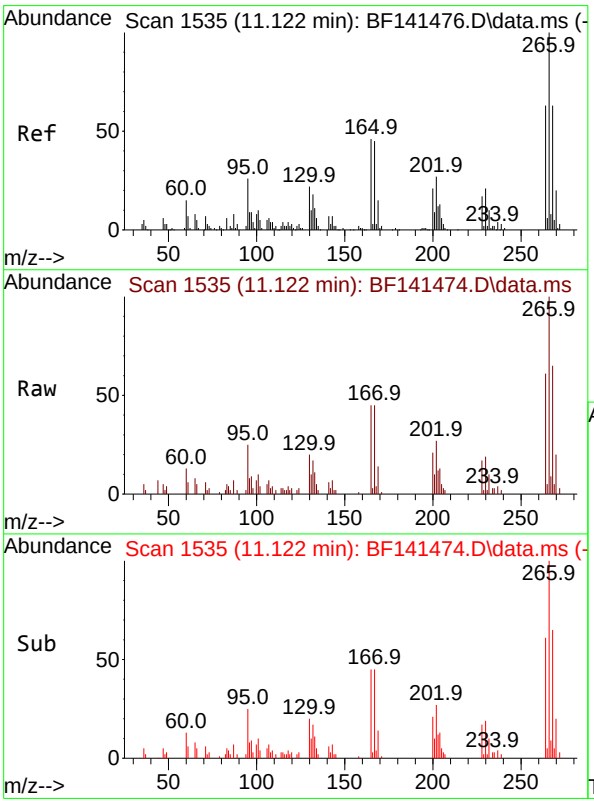
#69
Atrazine
Concen: 10.580 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

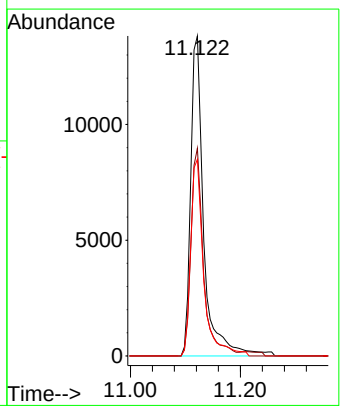


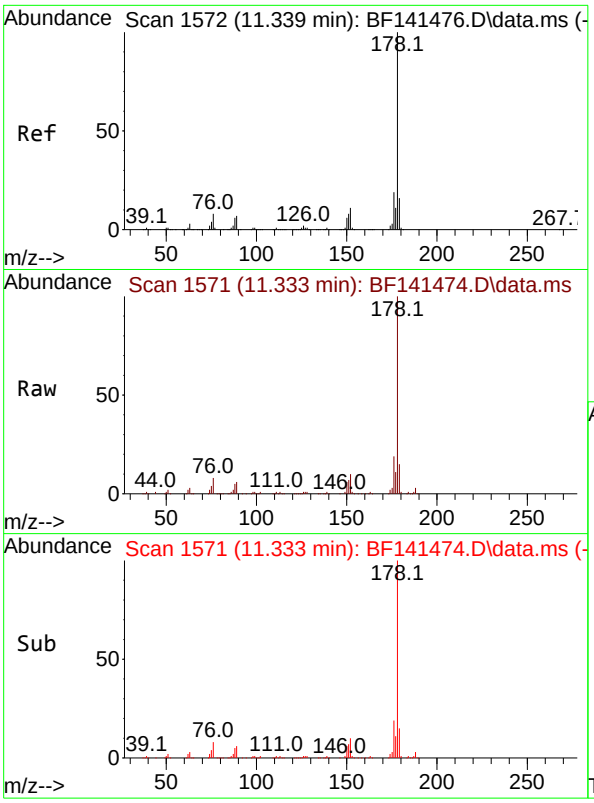


#70
Pentachlorophenol
Concen: 8.895 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



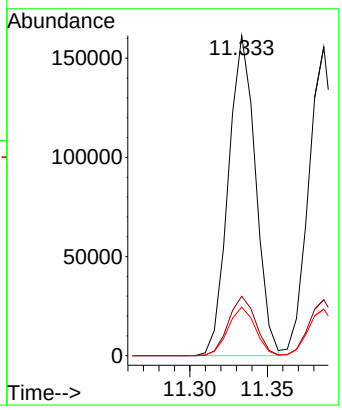


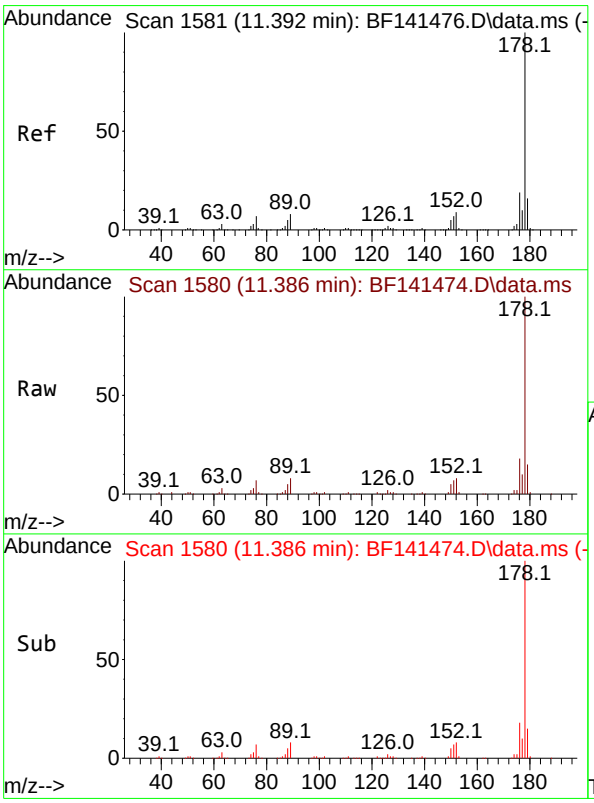
#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

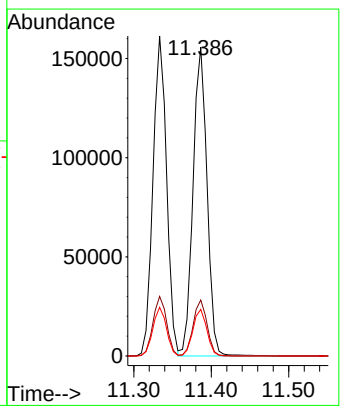


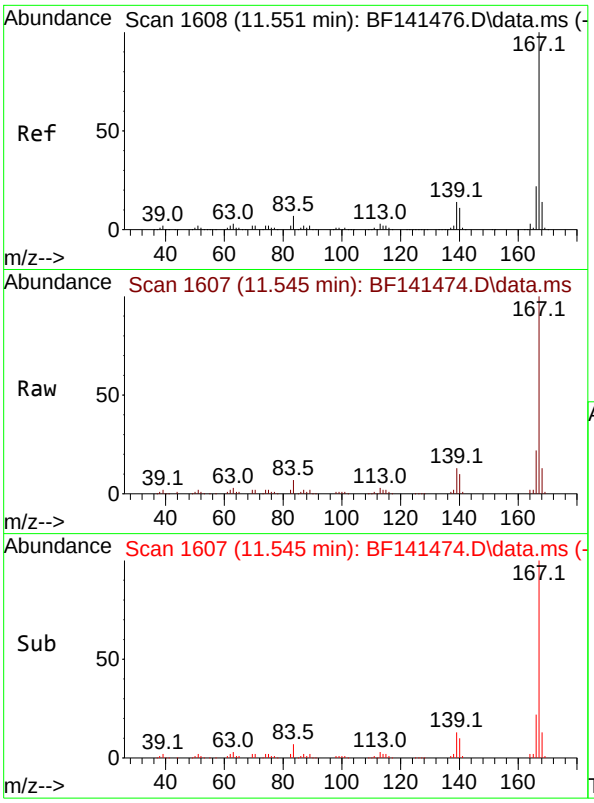


#72
Anthracene
Concen: 10.174 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



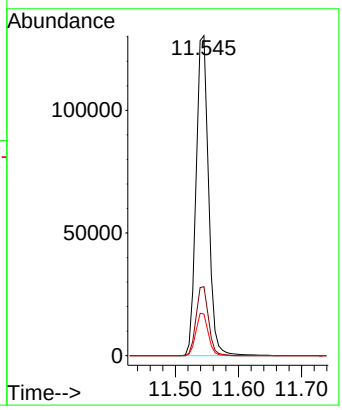


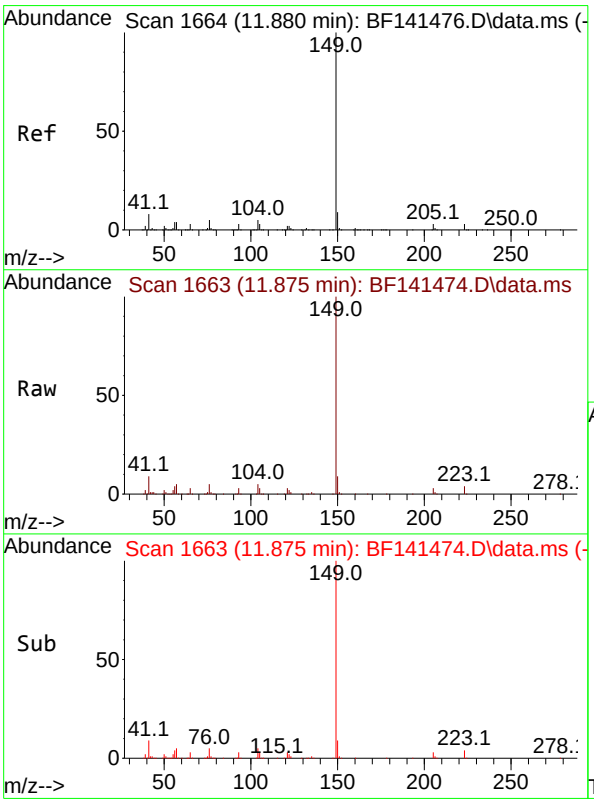
#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

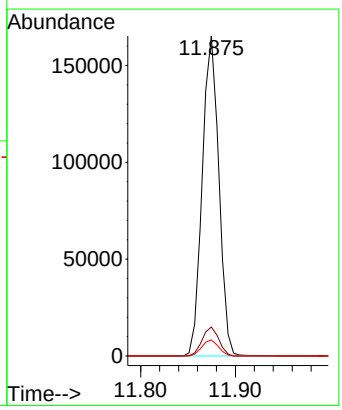


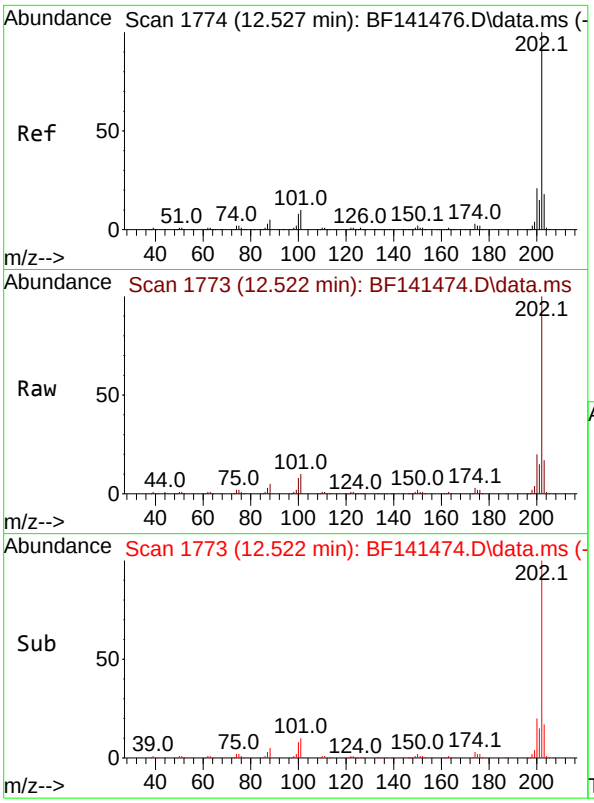


#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



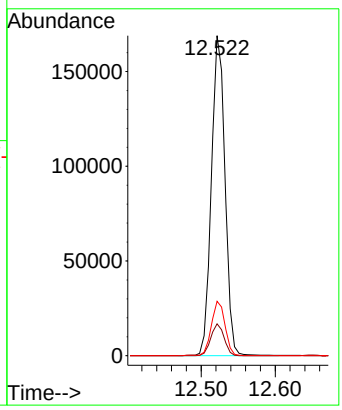


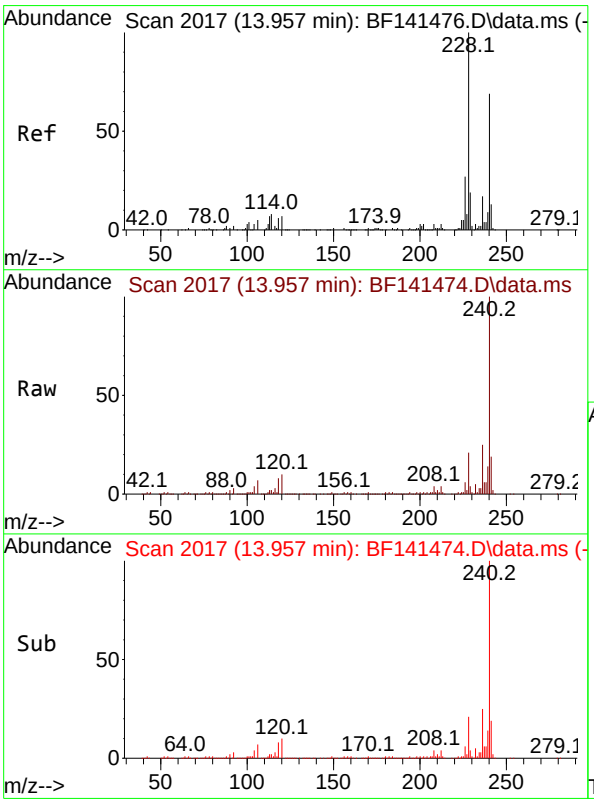
#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

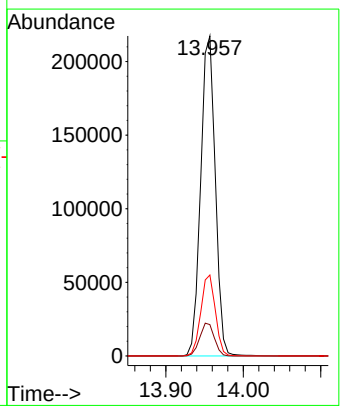


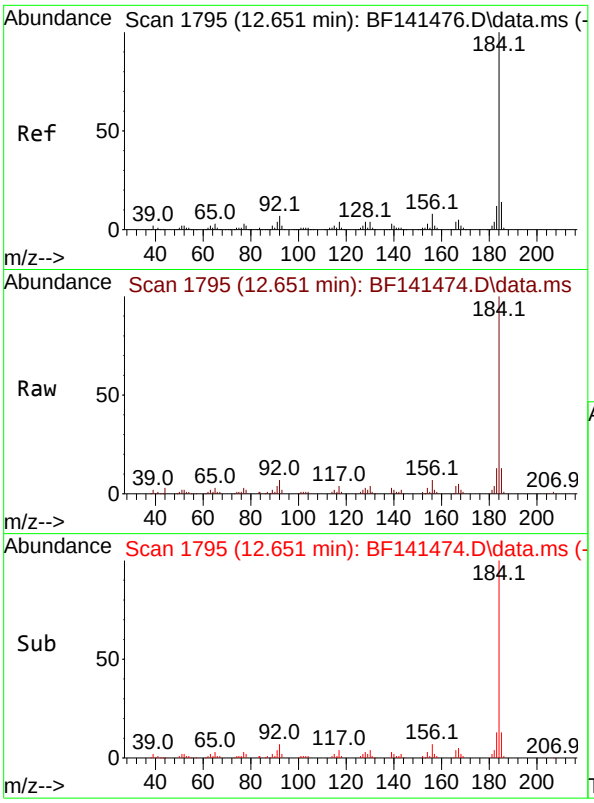


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



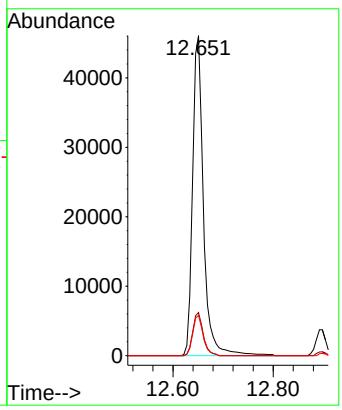


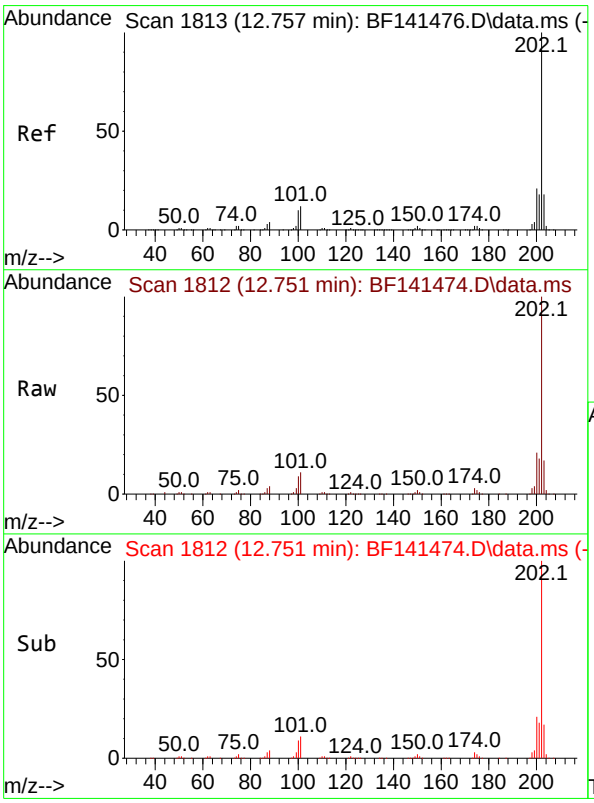
#77
Benzidine
Concen: 11.050 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

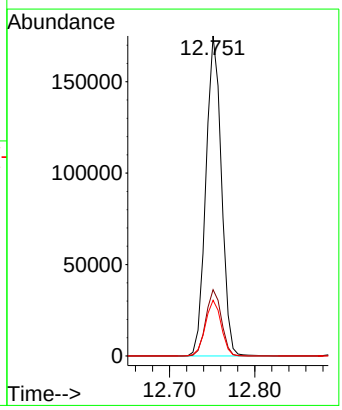


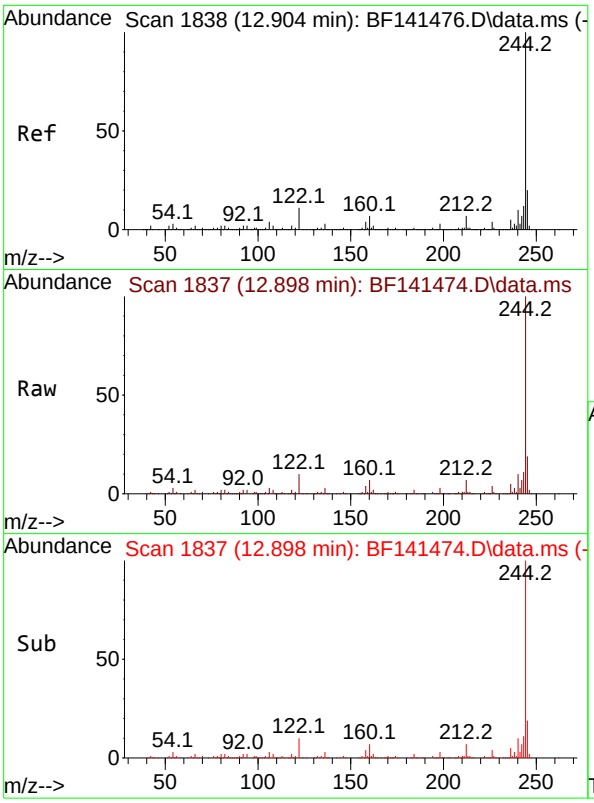


#78
Pyrene
Concen: 9.146 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



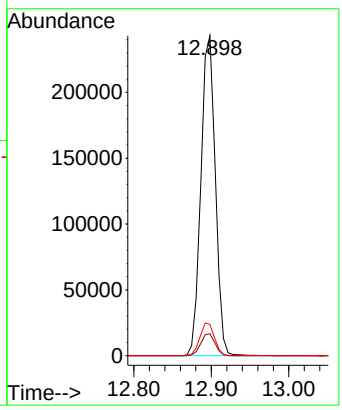


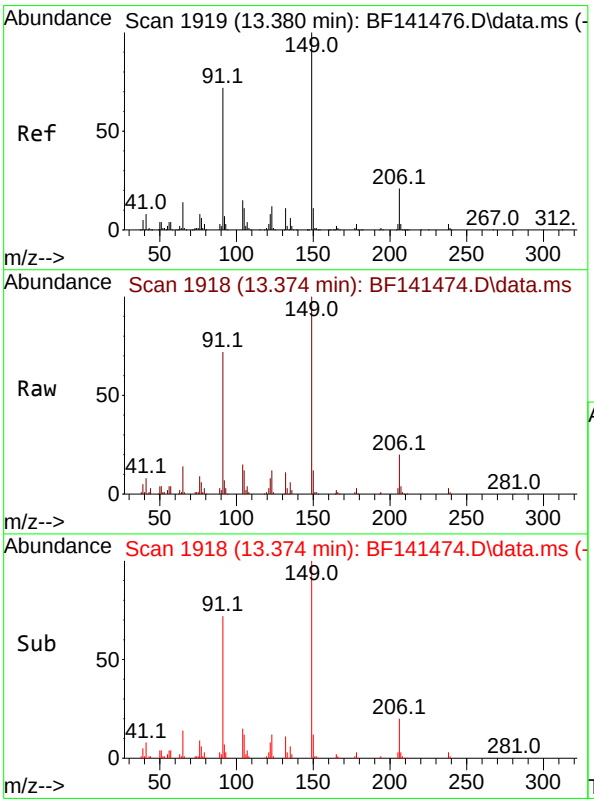
#79
Terphenyl-d14
Concen: 18.645 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

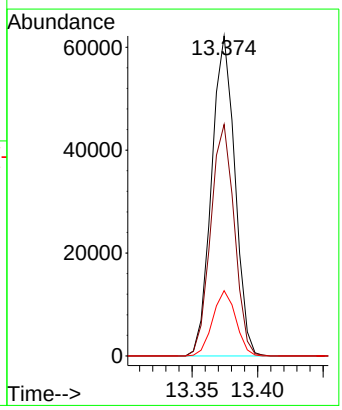


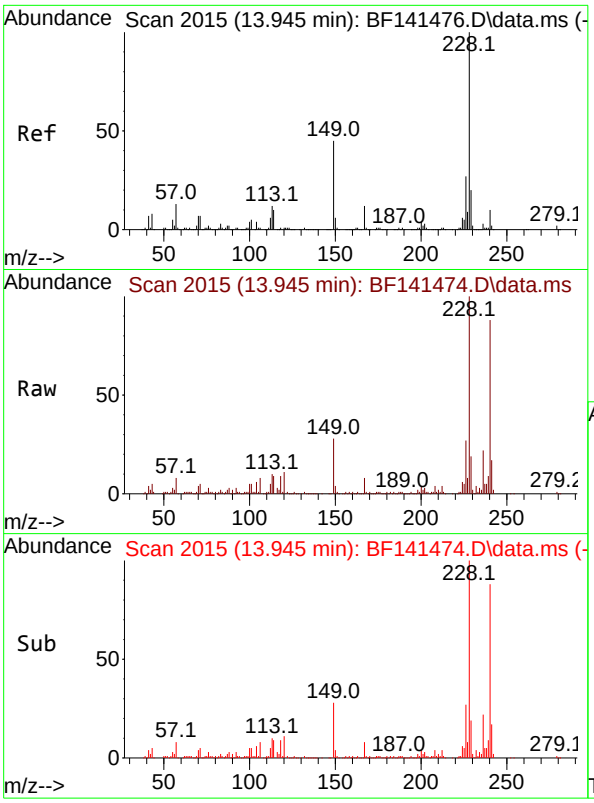


#80
Butylbenzylphthalate
Concen: 9.152 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



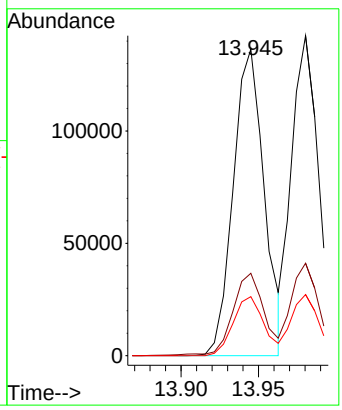


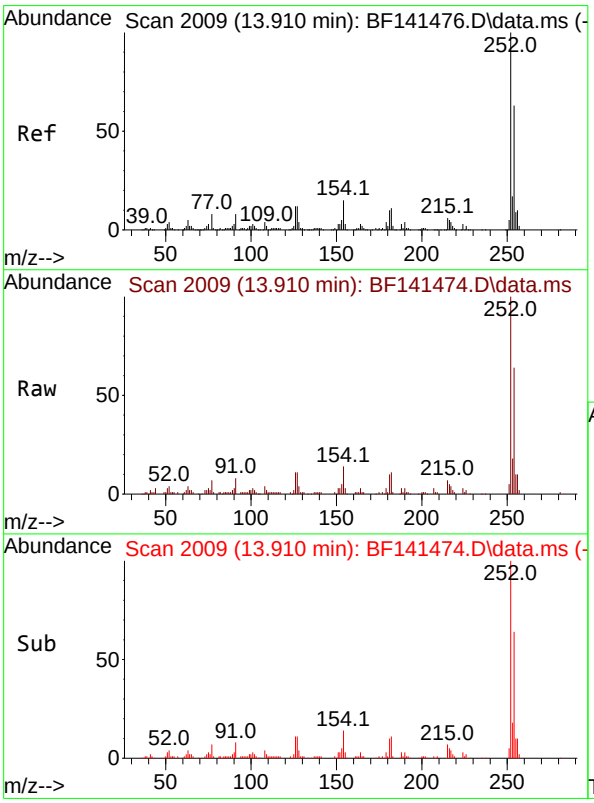
#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

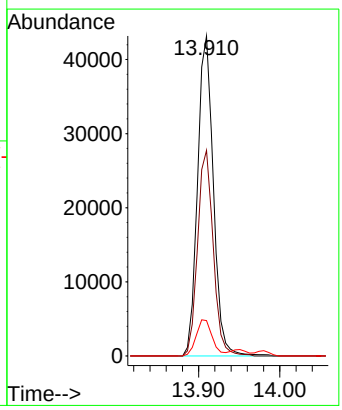


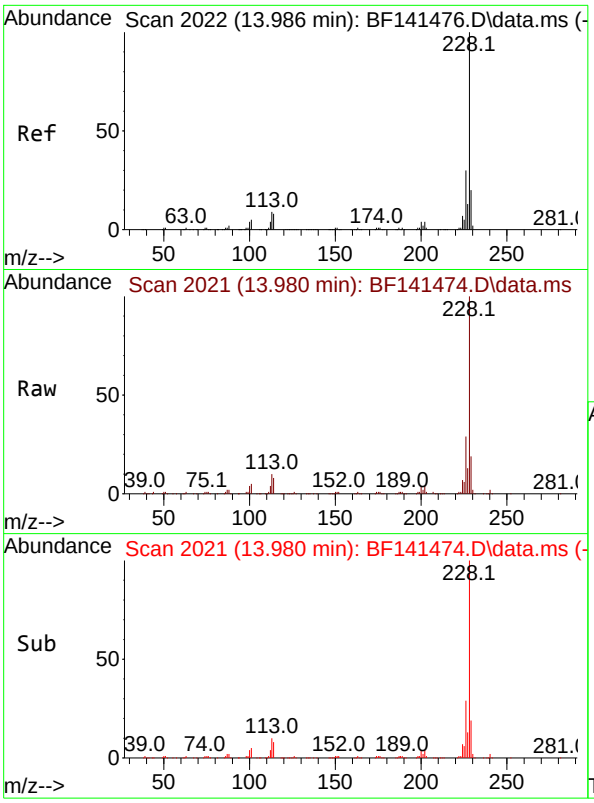


#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



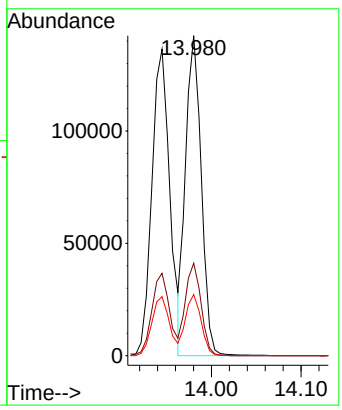


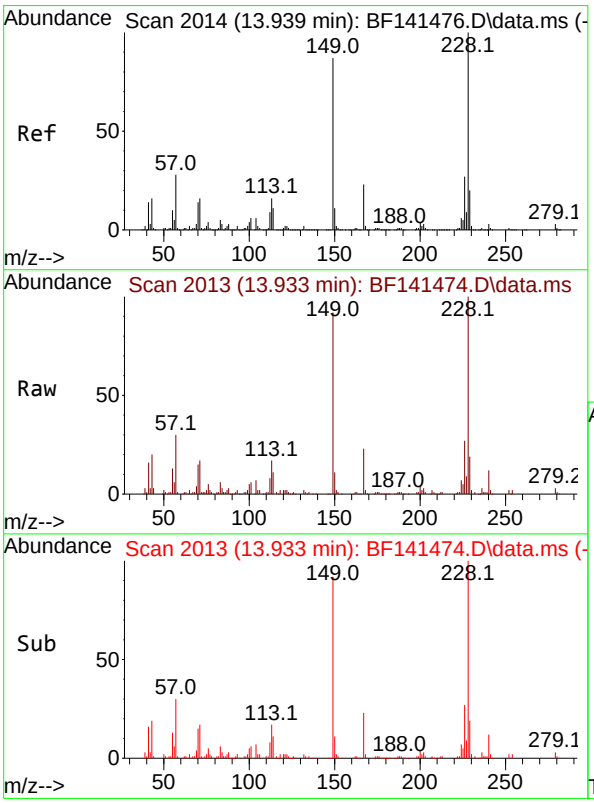
#83
Chrysene
Concen: 9.960 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

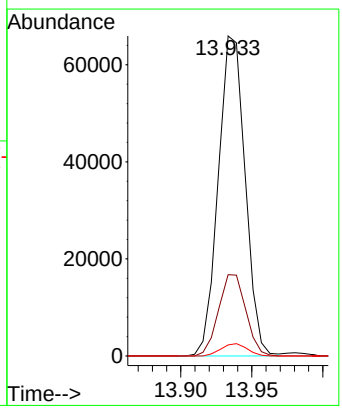


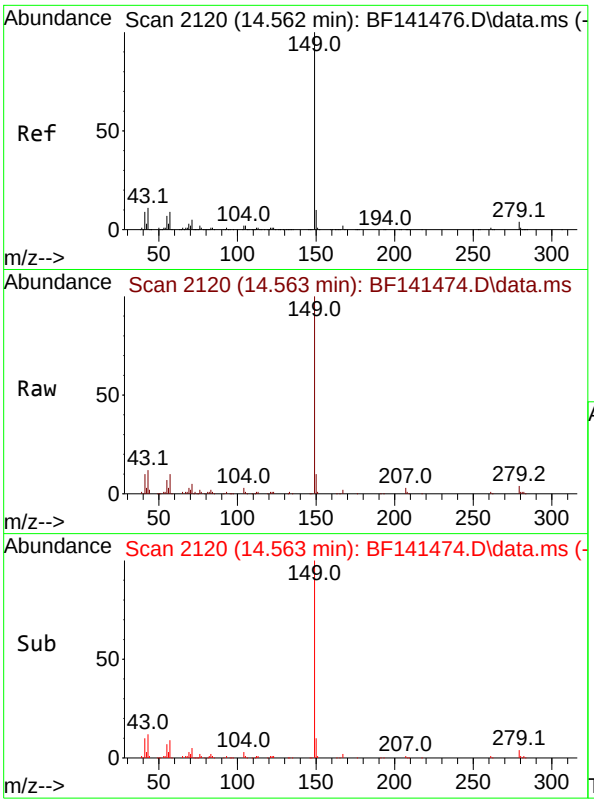


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.171 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



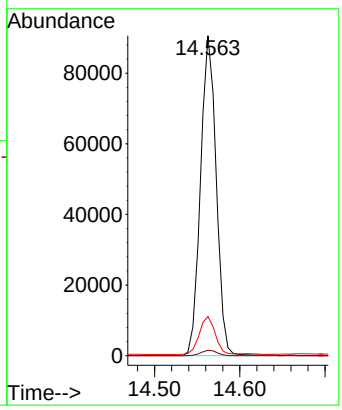


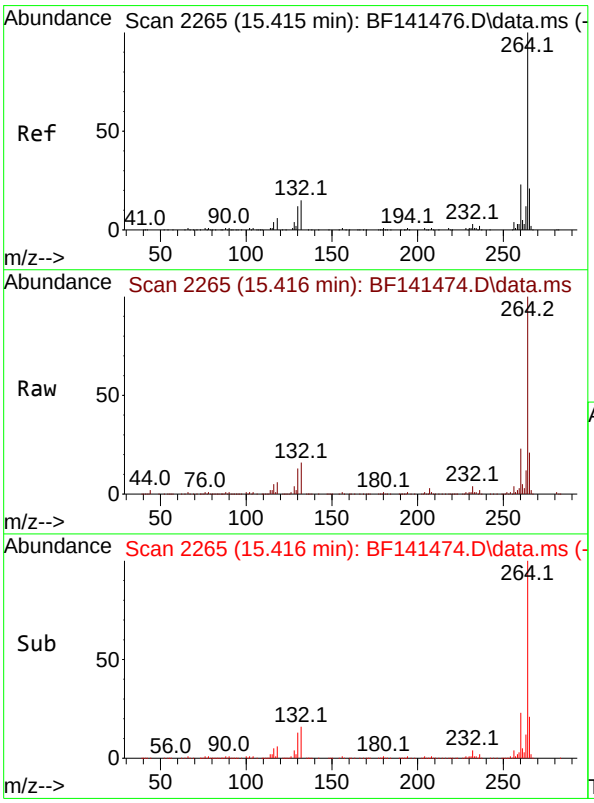
#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

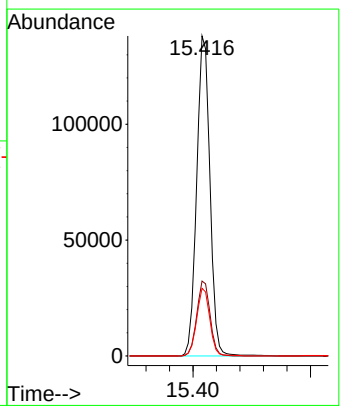


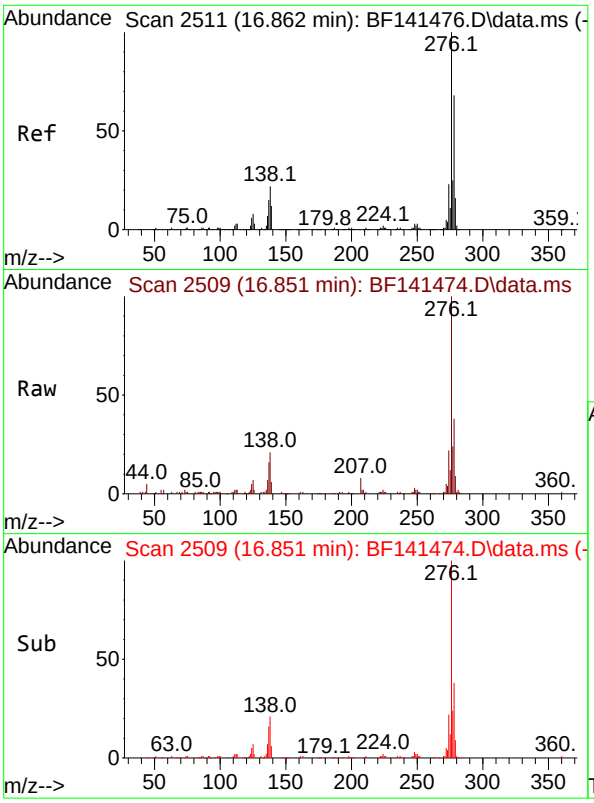


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



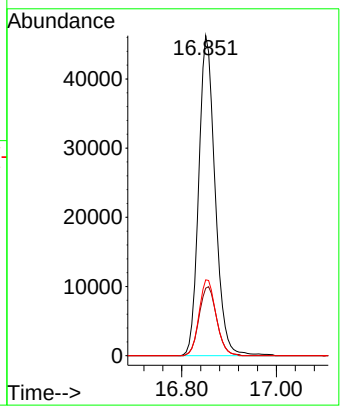


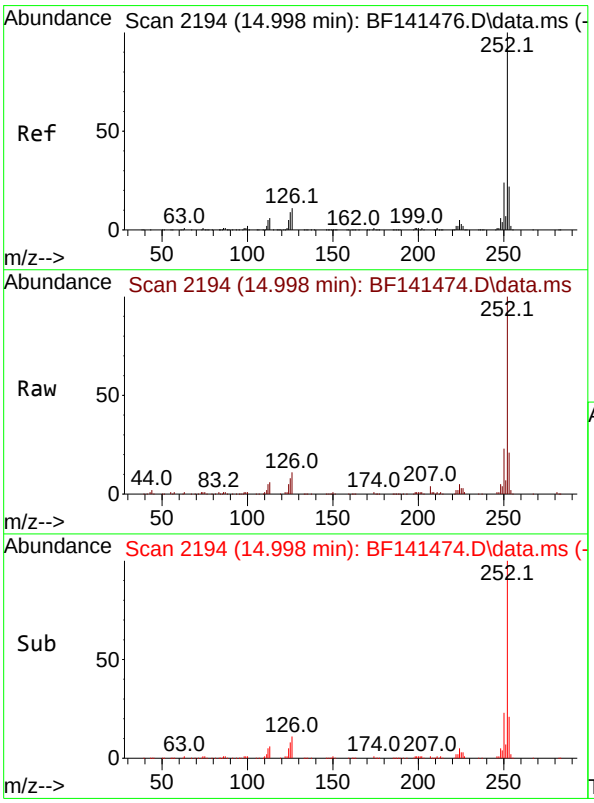
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.327 ng
RT: 16.851 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

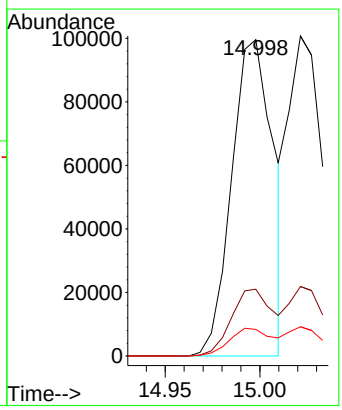


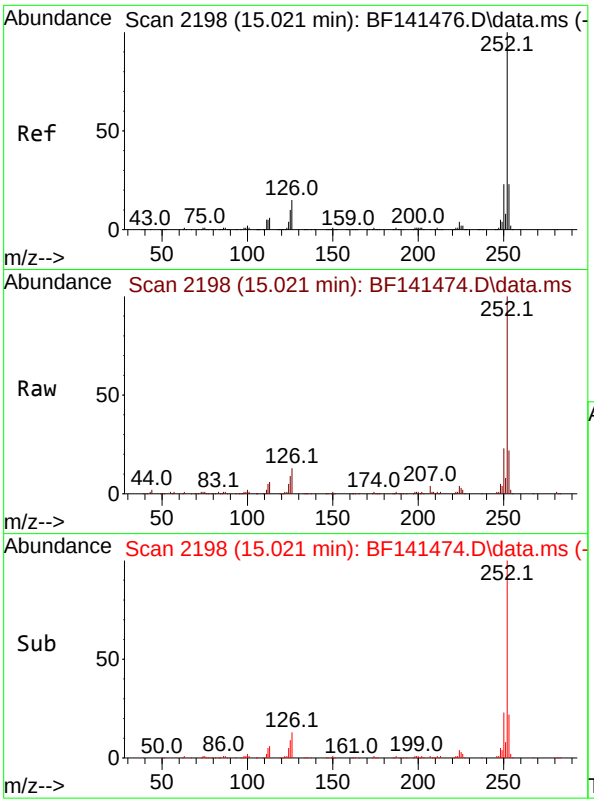


#88
Benzo(b)fluoranthene
Concen: 10.476 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



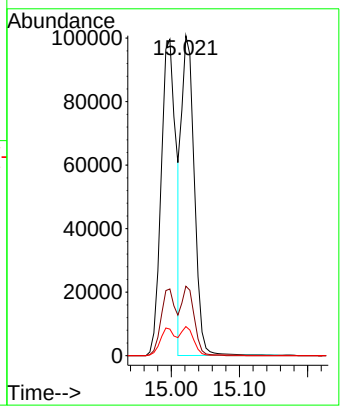


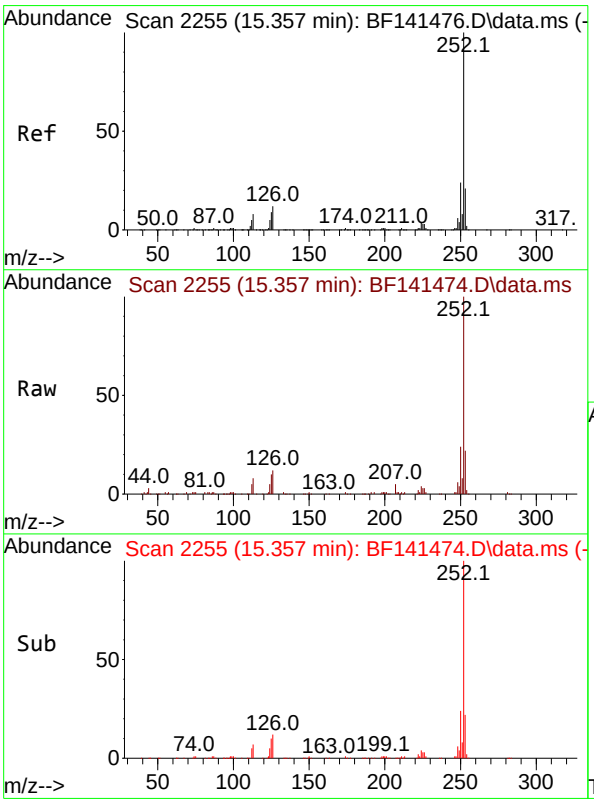
#89
Benzo(k)fluoranthene
Concen: 10.604 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

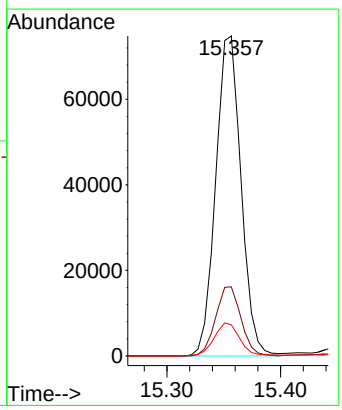


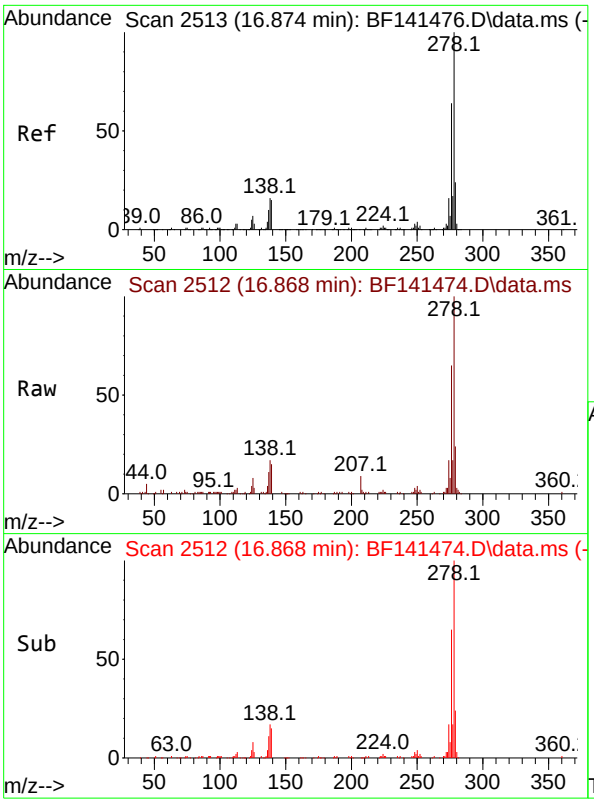


#90
Benzo(a)pyrene
Concen: 9.885 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



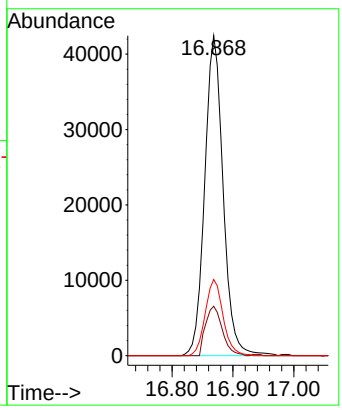


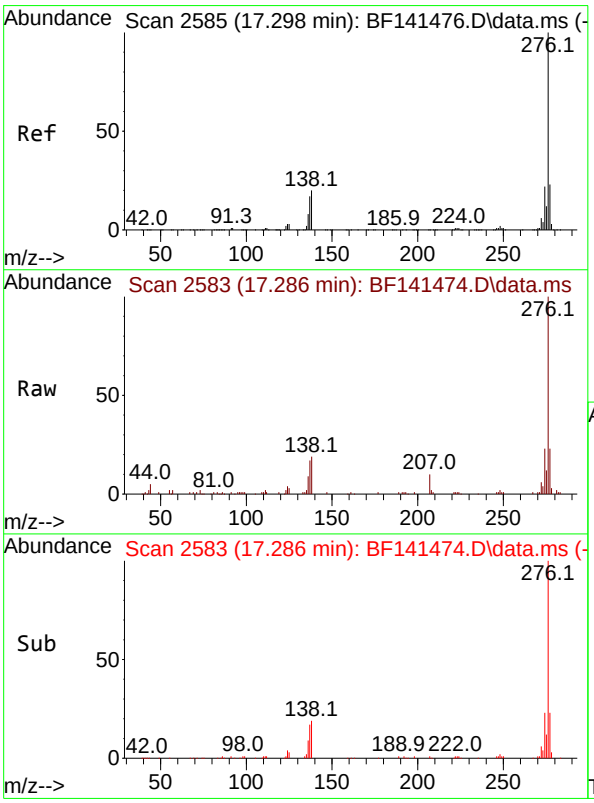
#91
Dibenzo(a,h)anthracene
Concen: 8.271 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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

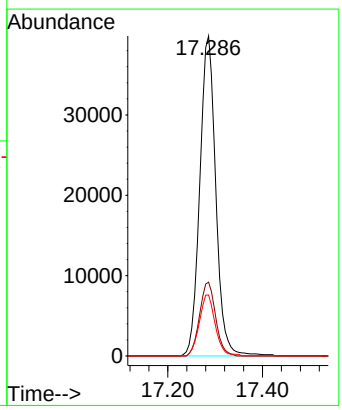




#92
Benzo(g,h,i)perylene
Concen: 8.243 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

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



Quantitation Report (Not Reviewed)

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

Quantitation Report (Not Reviewed)

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

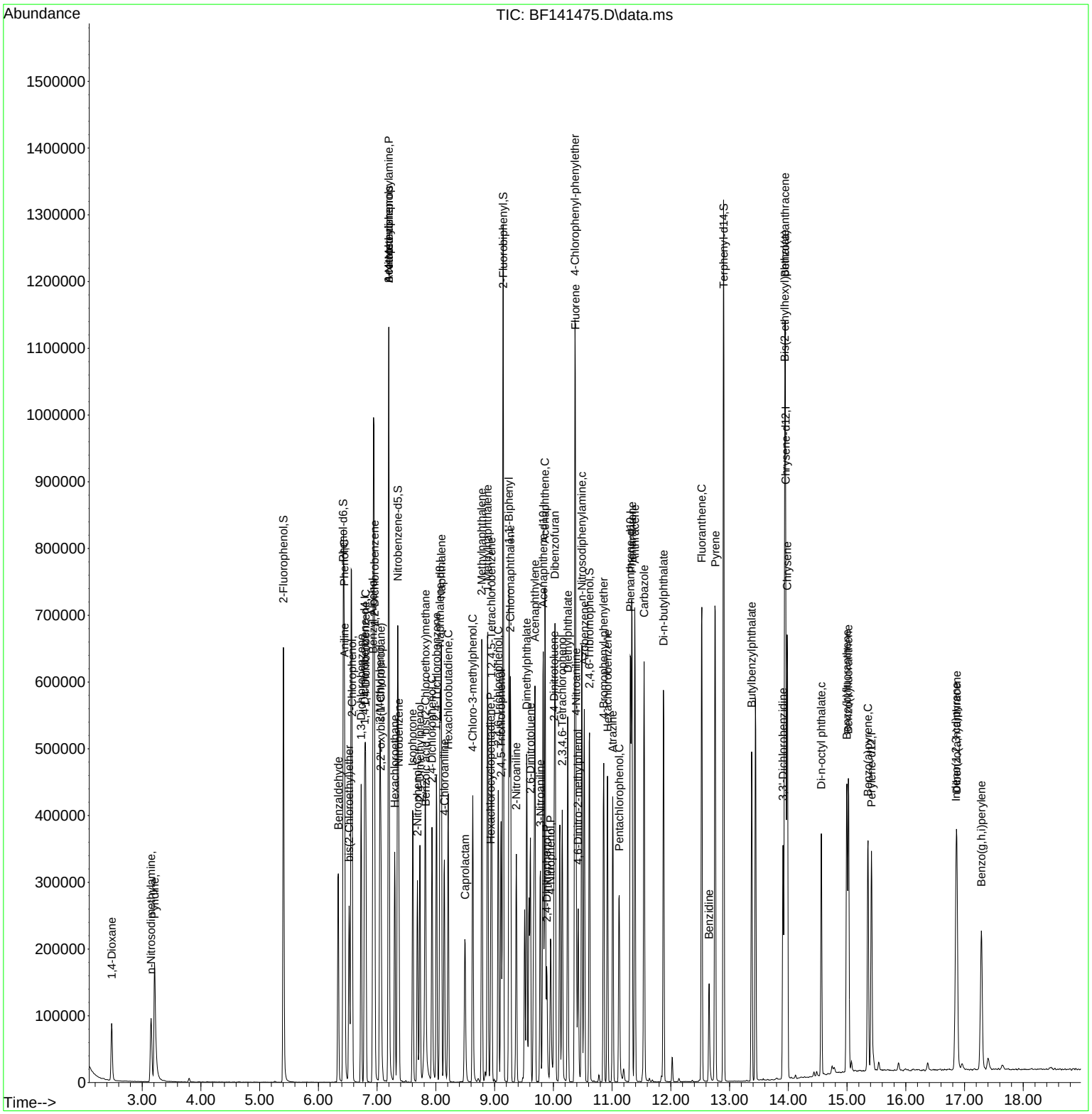
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83112	21.240	ng	97
46) 1,1'-Biphenyl	9.245	154	315040	21.045	ng	99
47) 2-Chloronaphthalene	9.269	162	233789	21.119	ng	99
48) 2-Nitroaniline	9.369	65	75990	20.455	ng	99
49) Acenaphthylene	9.687	152	345829	21.004	ng	99
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	248578	22.456	ng	98
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

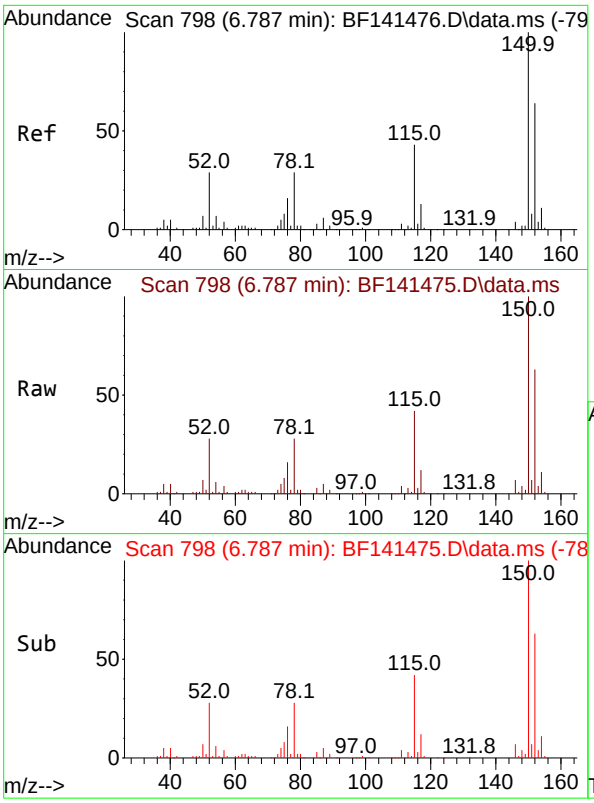
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



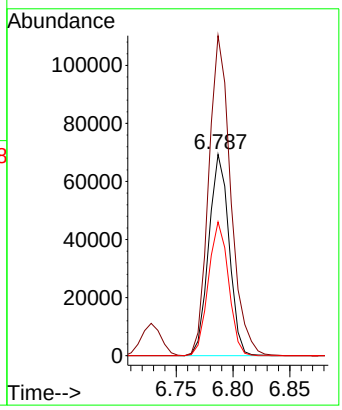


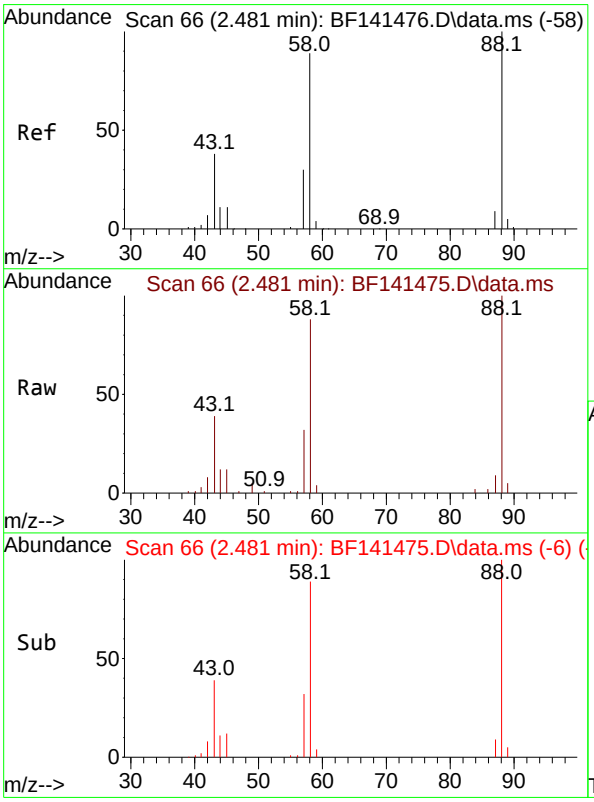
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

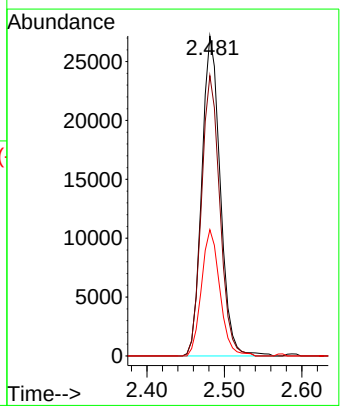


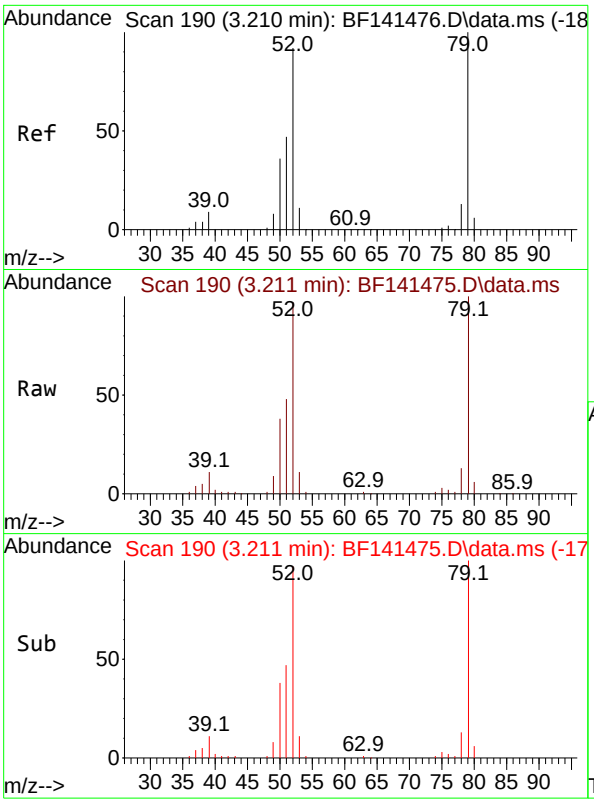


#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



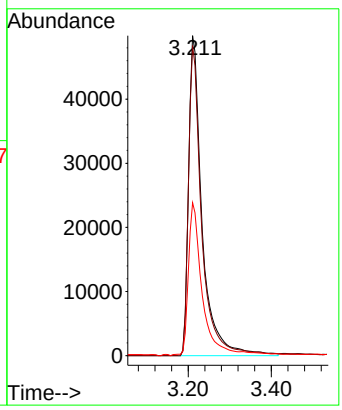


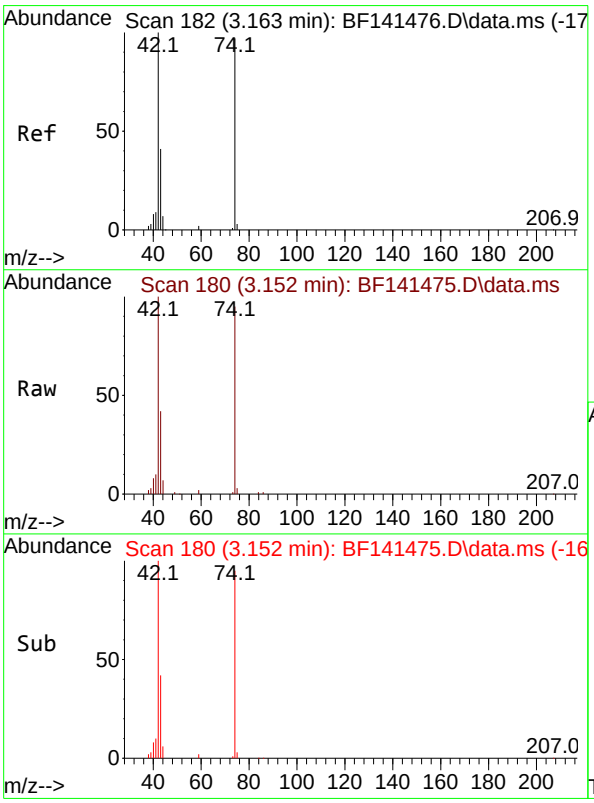
#3
Pyridine
Concen: 21.453 ng
RT: 3.211 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

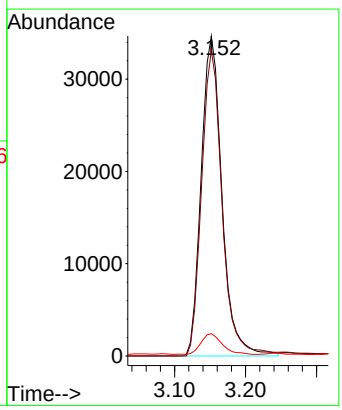


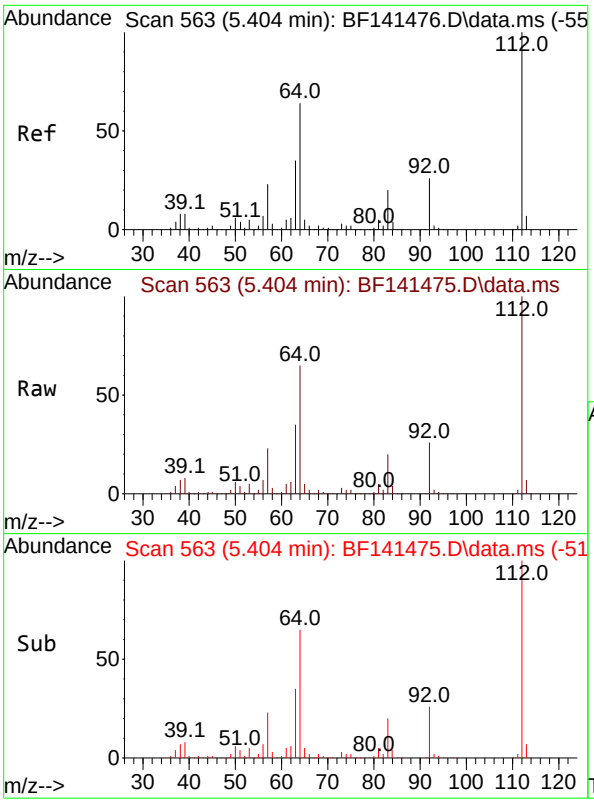


#4
n-Nitrosodimethylamine
Concen: 20.276 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



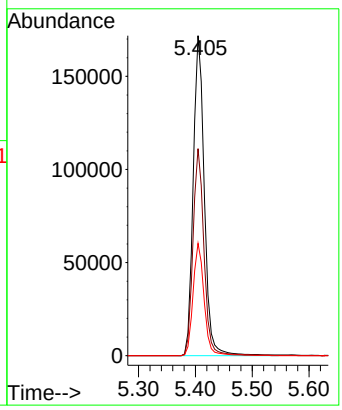


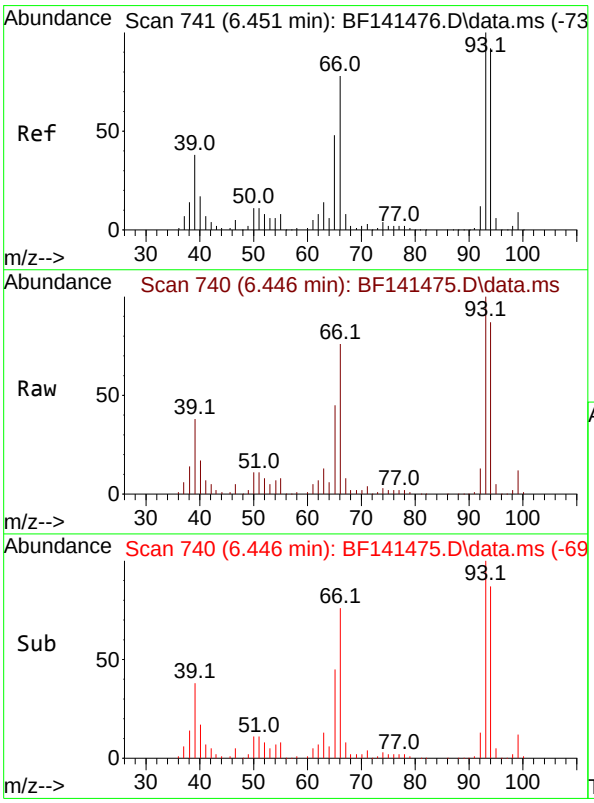
#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

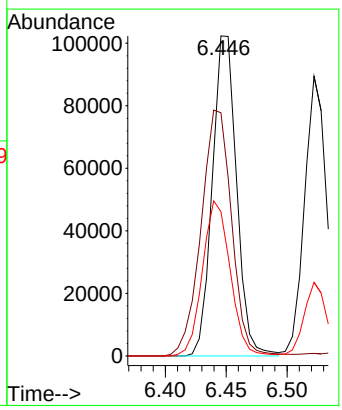


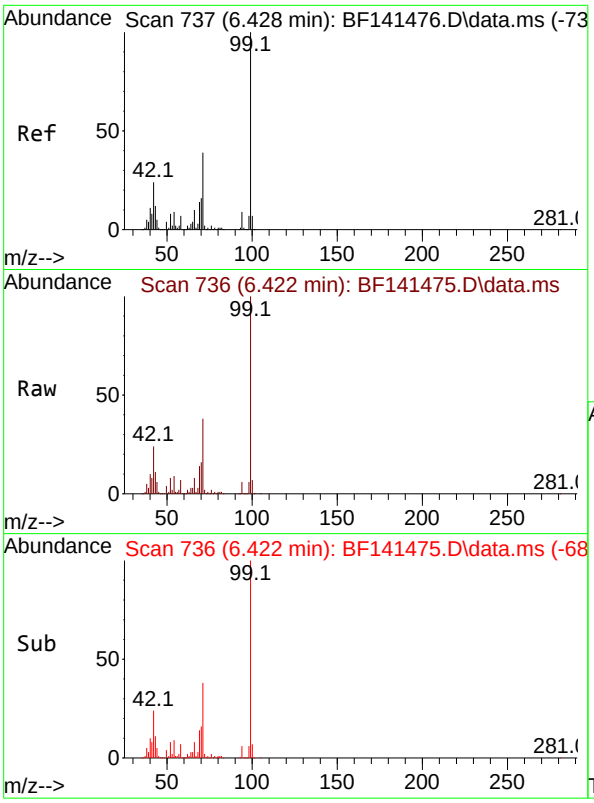


#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



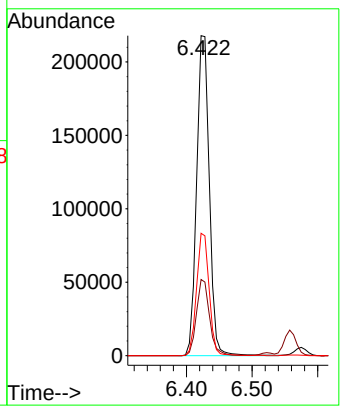


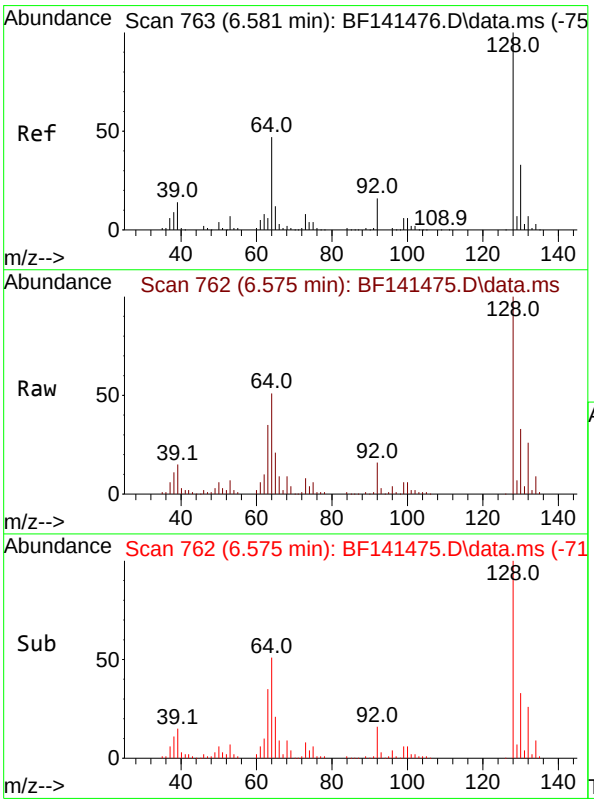
#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

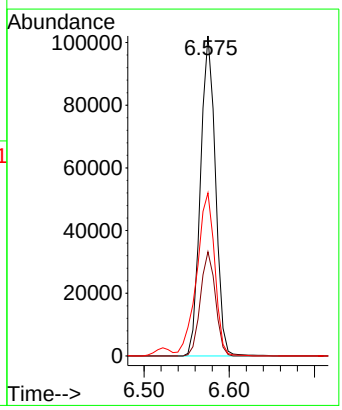


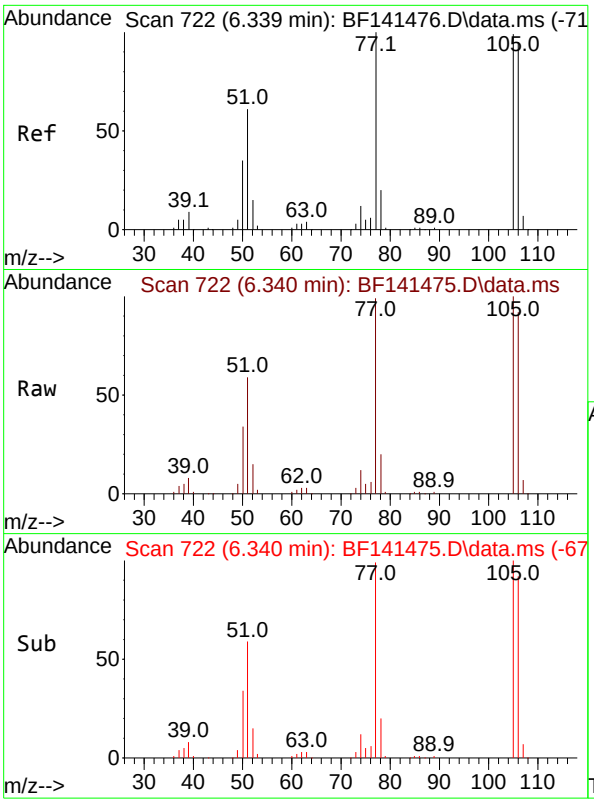


#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



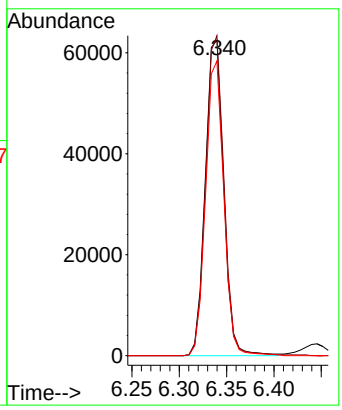


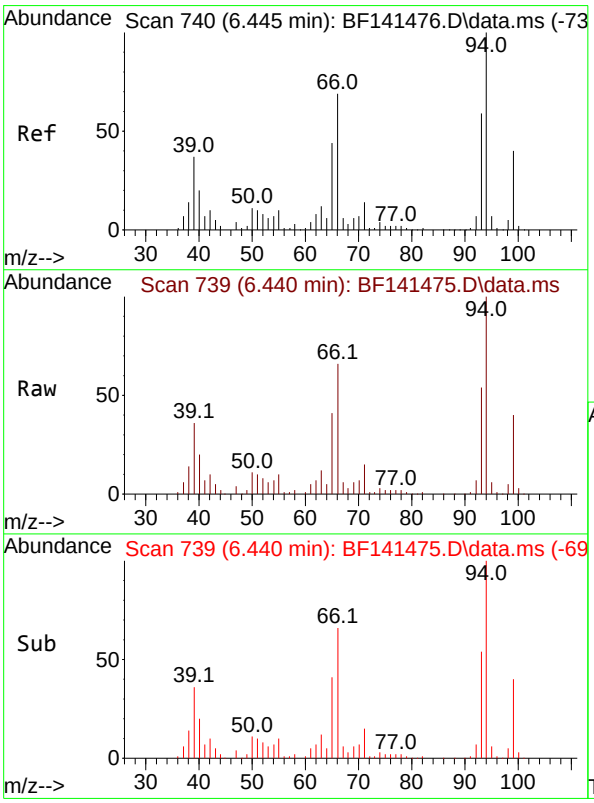
#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

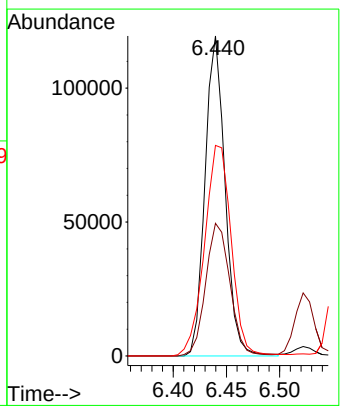


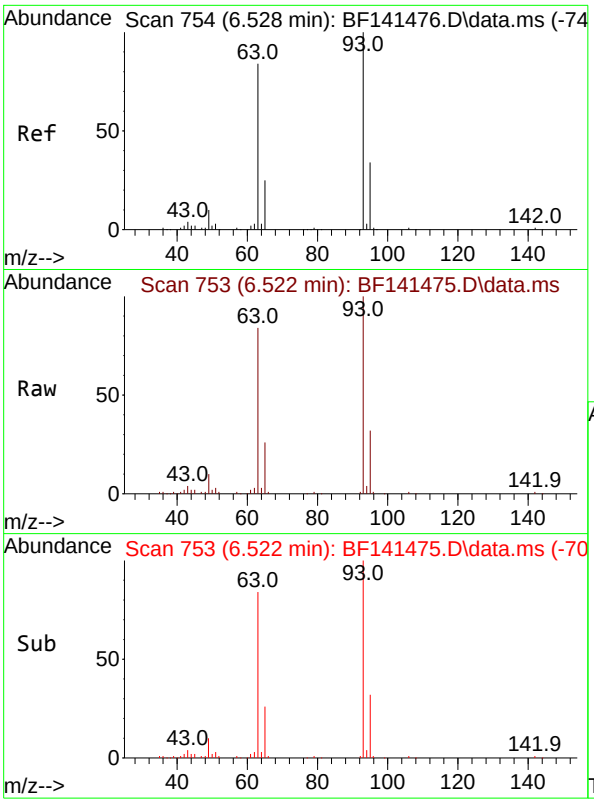


#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



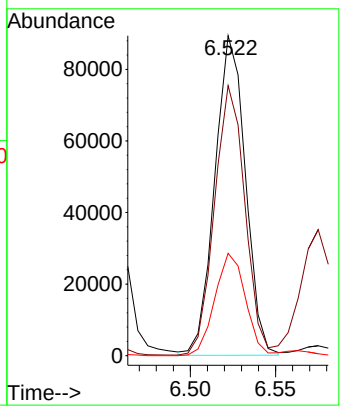


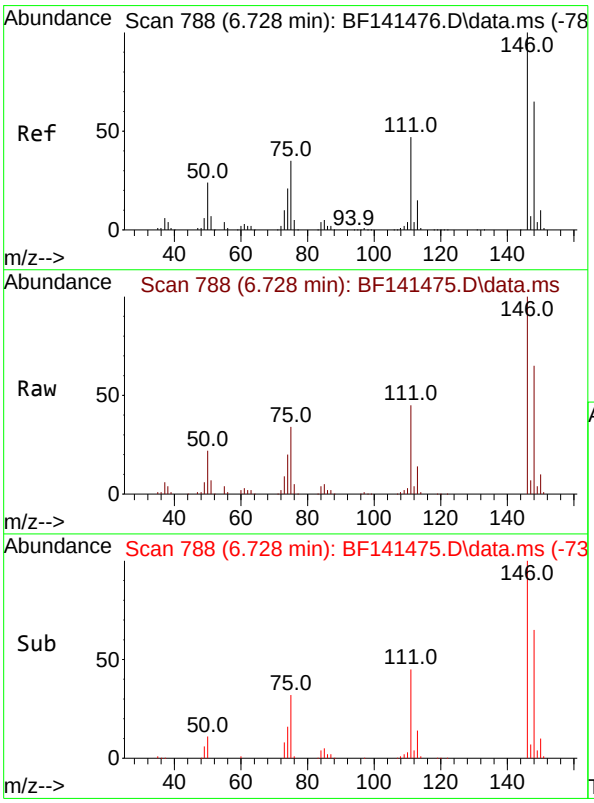
#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

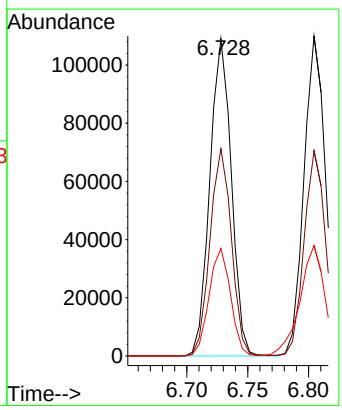


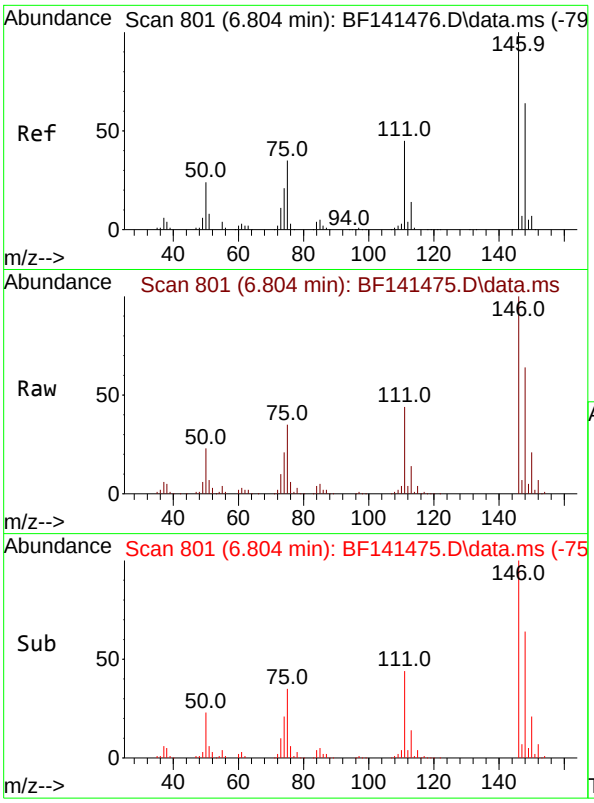


#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



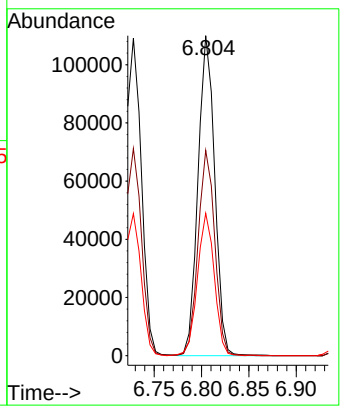


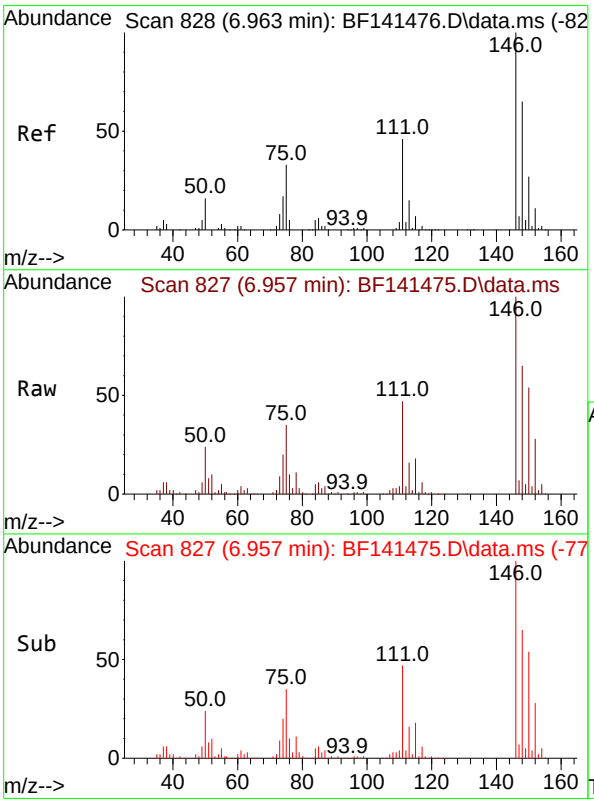
#13
1,4-Dichlorobenzene
Concen: 21.134 ng
RT: 6.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

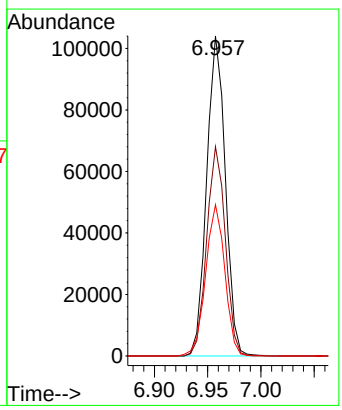


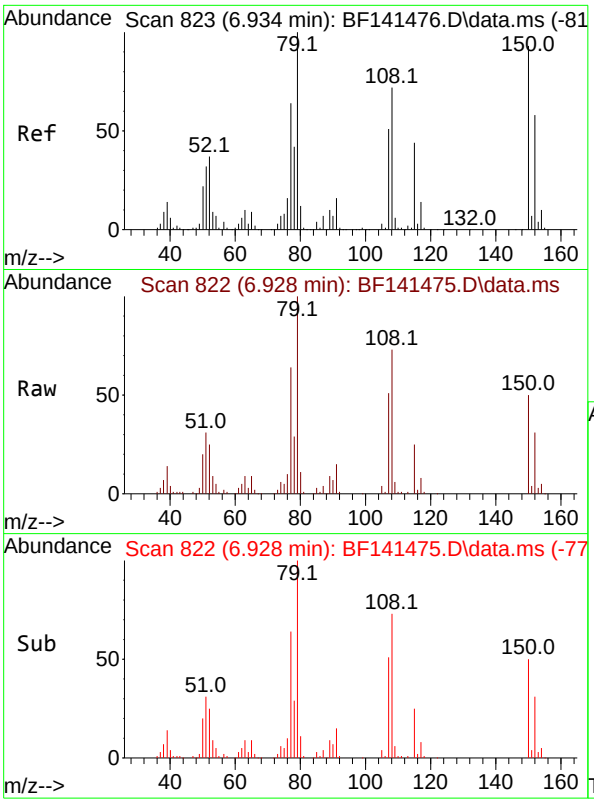


#14
1,2-Dichlorobenzene
Concen: 21.354 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



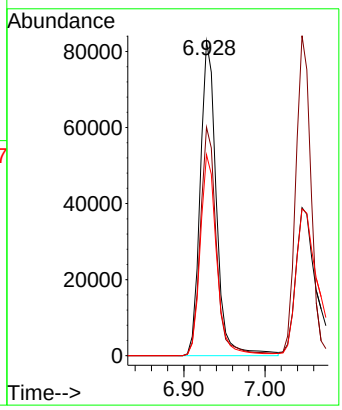


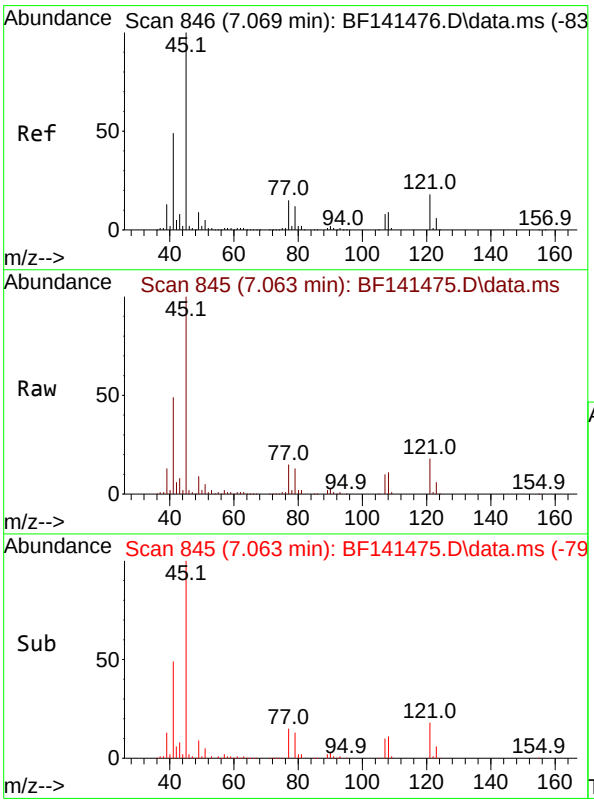
#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

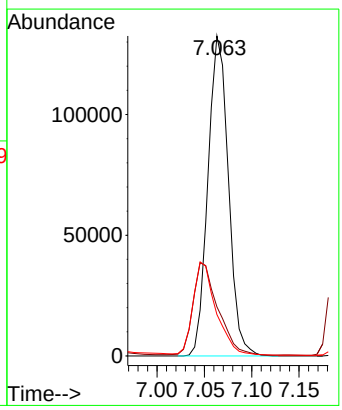


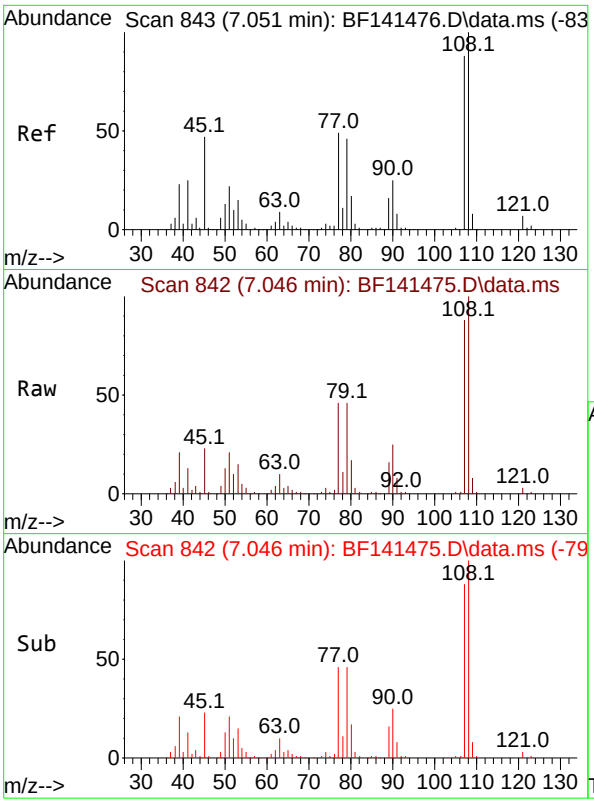


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



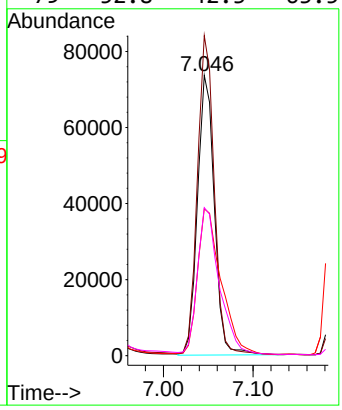


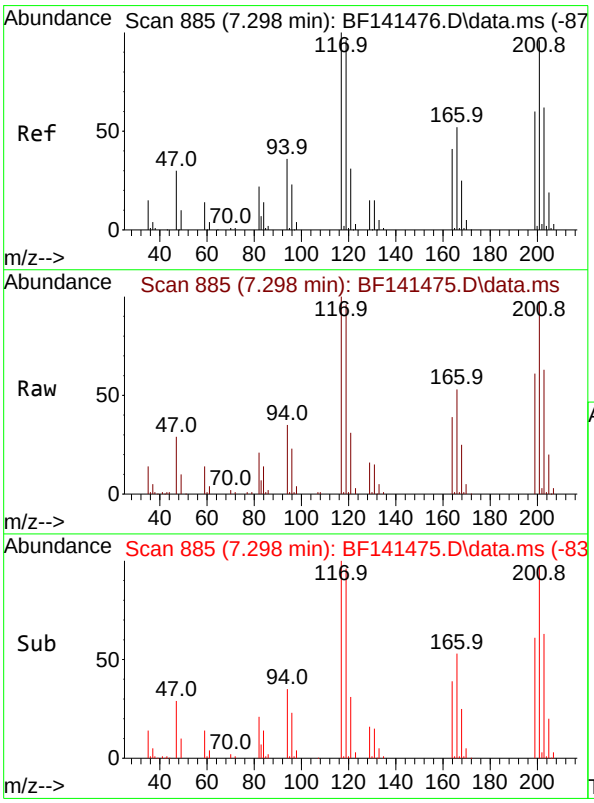
#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

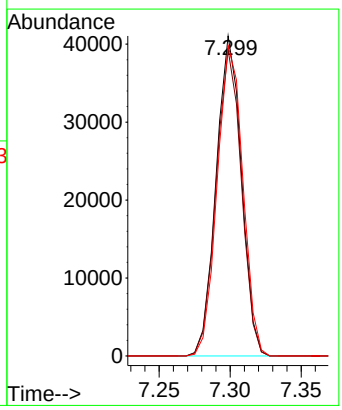


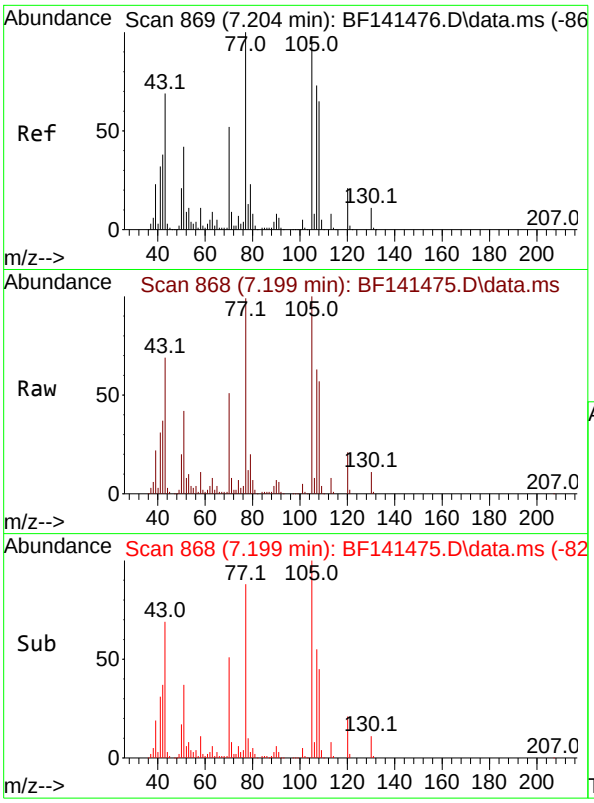


#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



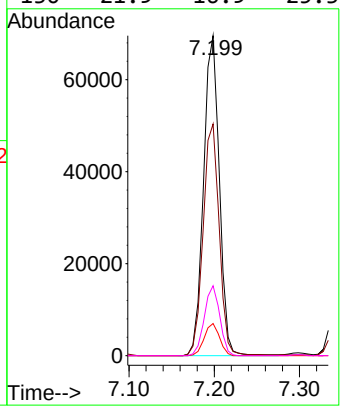


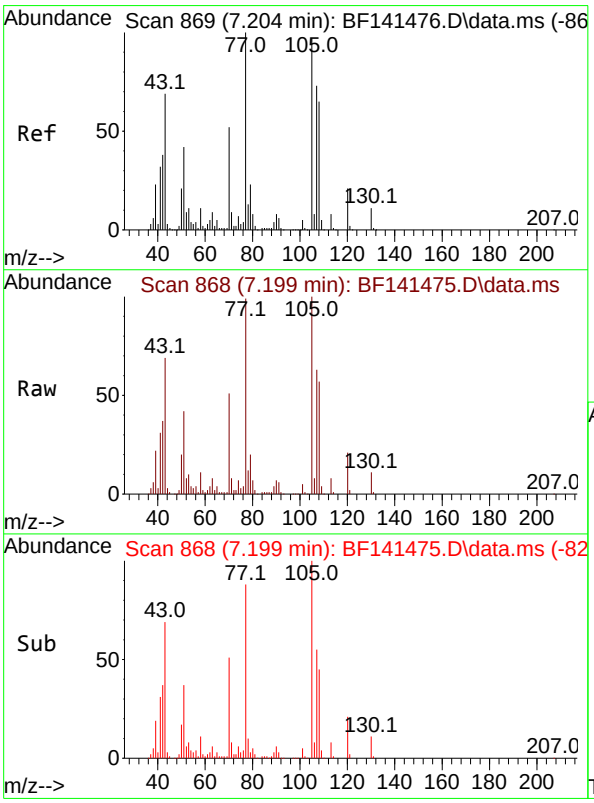
#19
n-Nitroso-di-n-propylamine
Concen: 21.546 ng
RT: 7.199 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

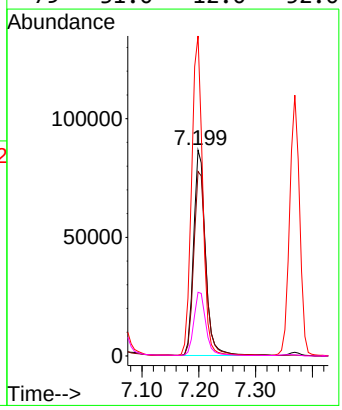


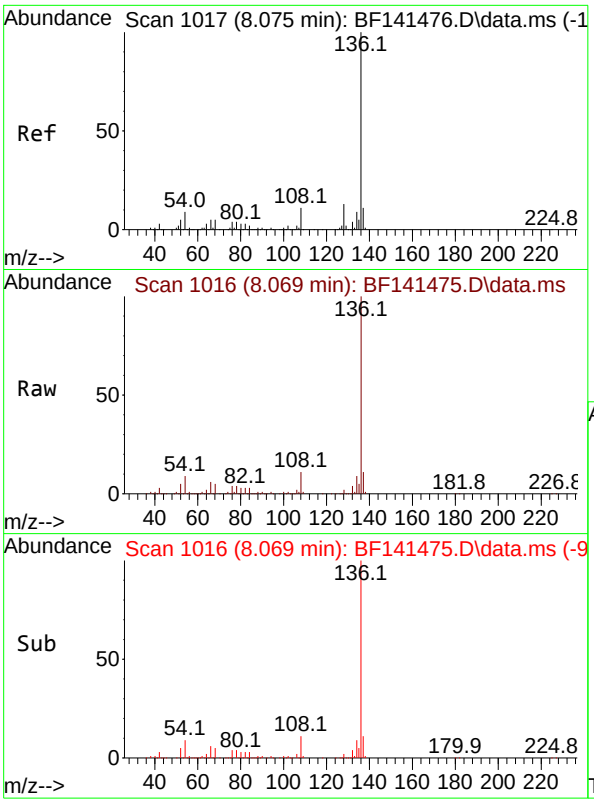


#20
3+4-Methylphenols
Concen: 21.287 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



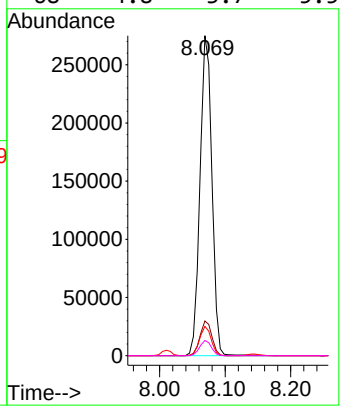


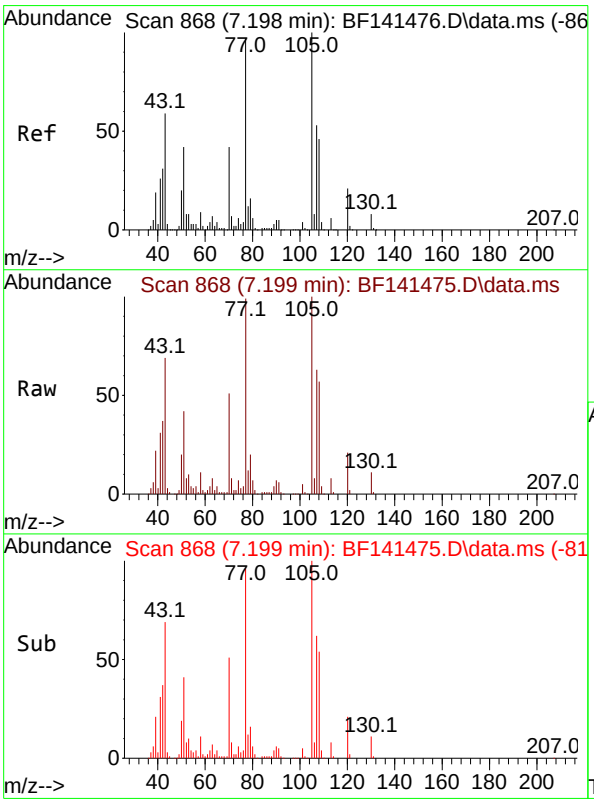
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

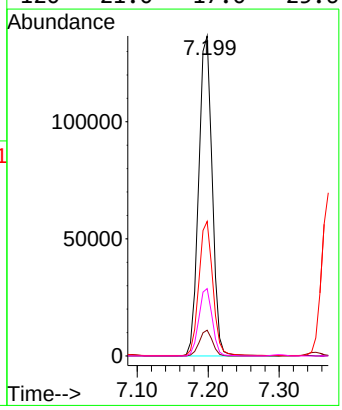


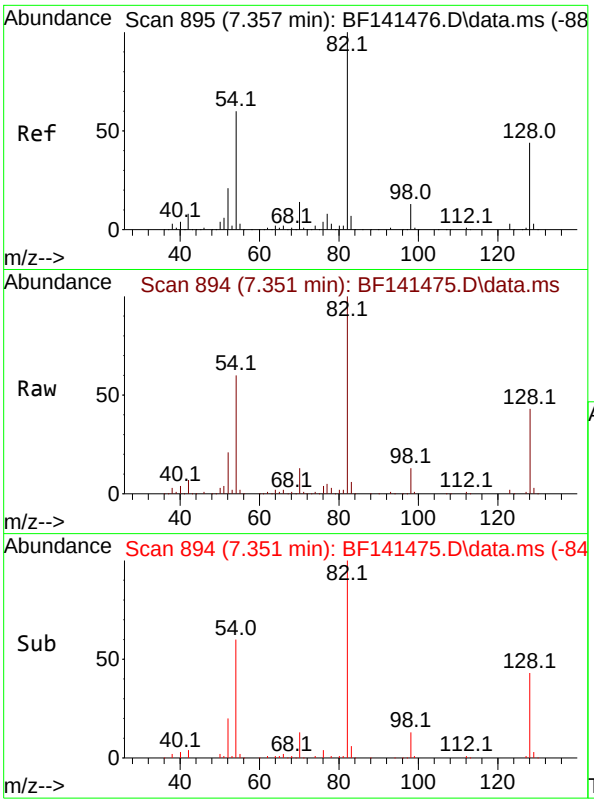


#22
Acetophenone
Concen: 20.946 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



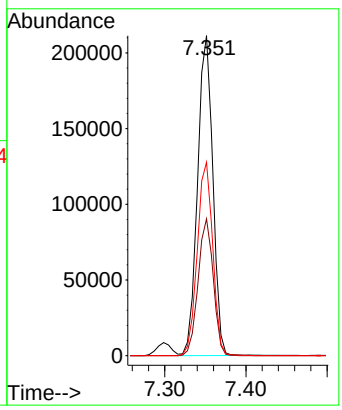


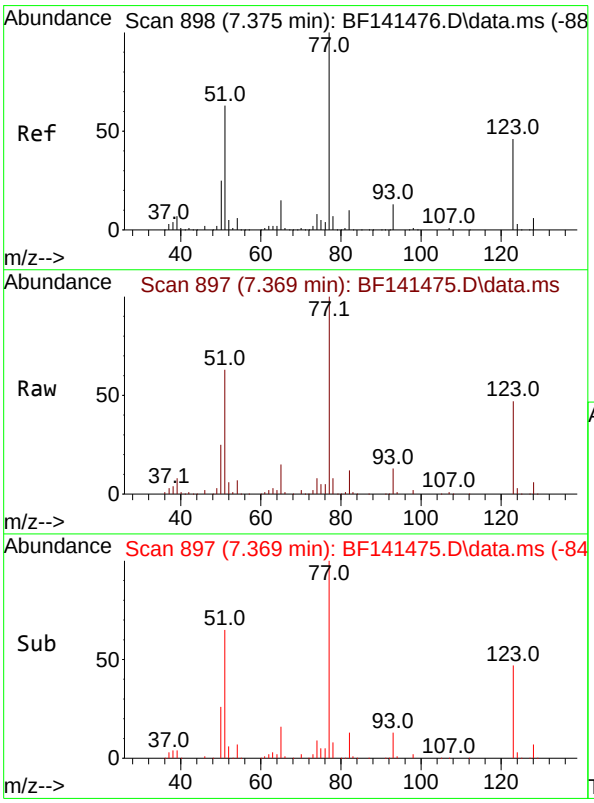
#23
Nitrobenzene-d5
Concen: 41.331 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

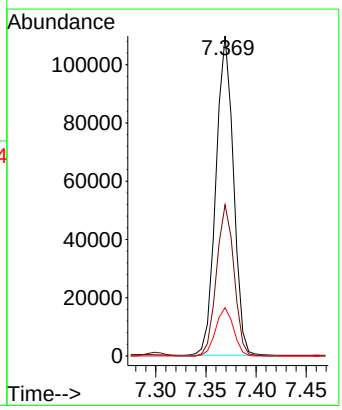


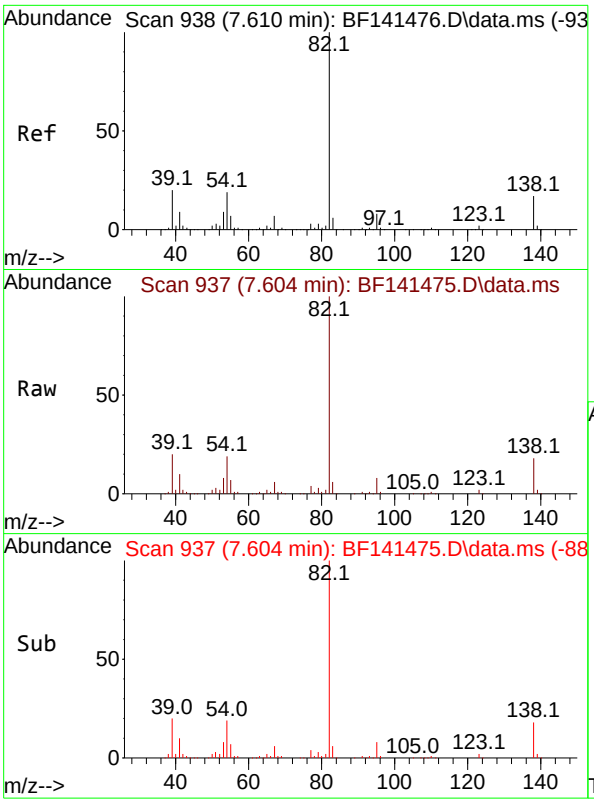


#24
Nitrobenzene
Concen: 20.485 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



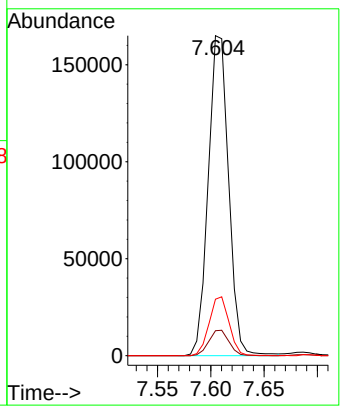


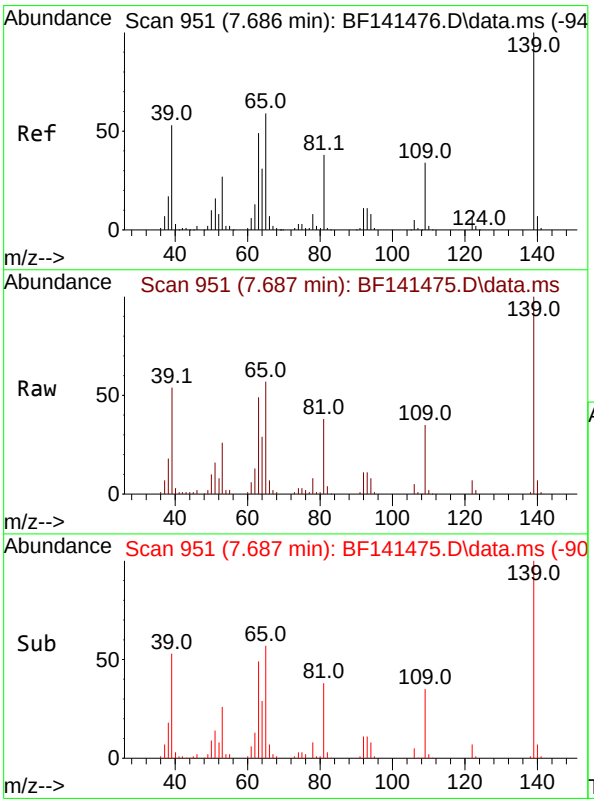
#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

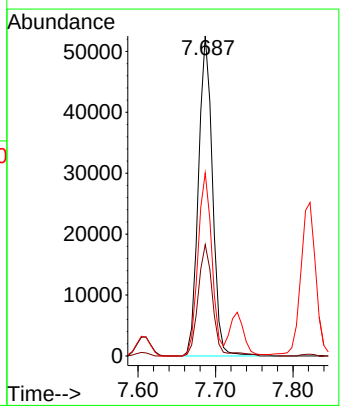


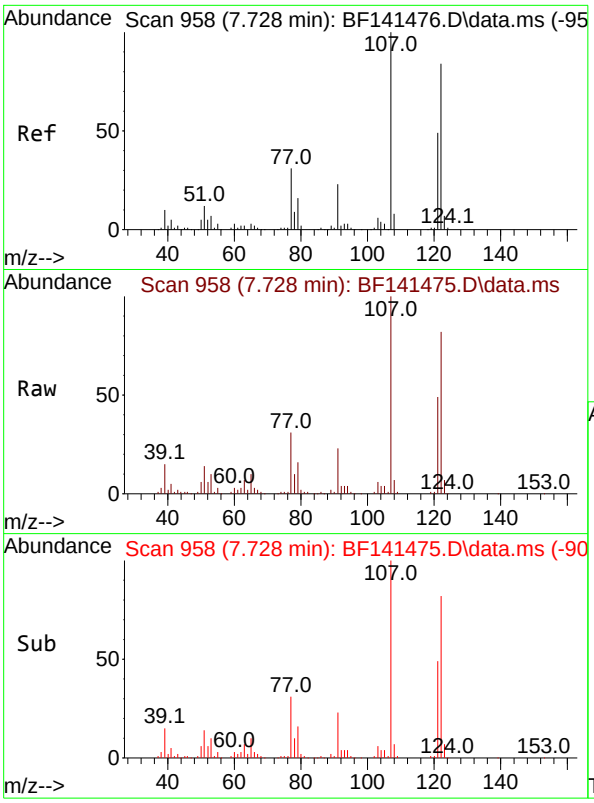


#26
2-Nitrophenol
Concen: 20.449 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



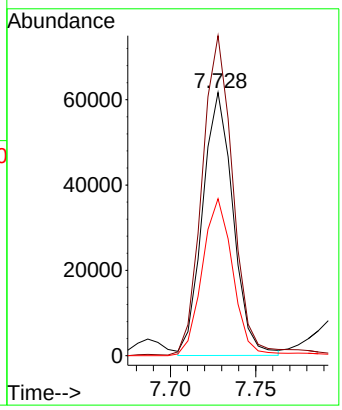


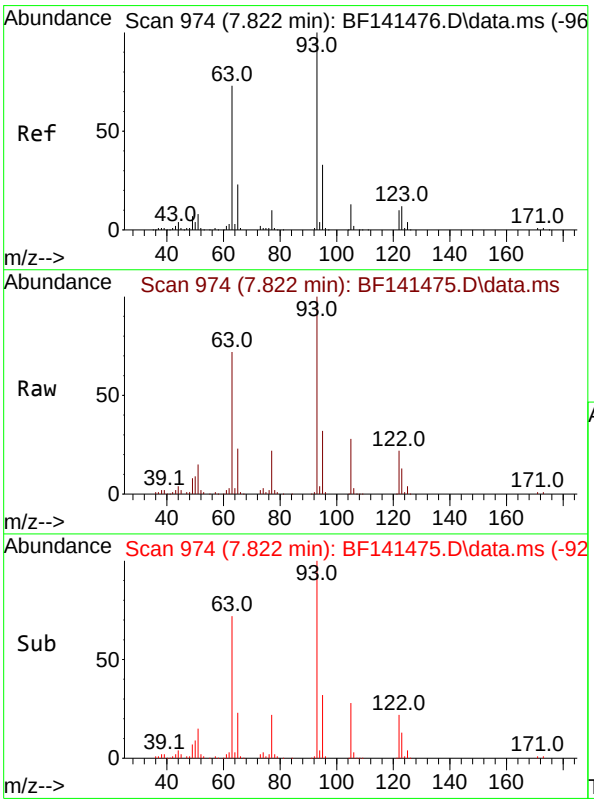
#27
2,4-Dimethylphenol
Concen: 20.296 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

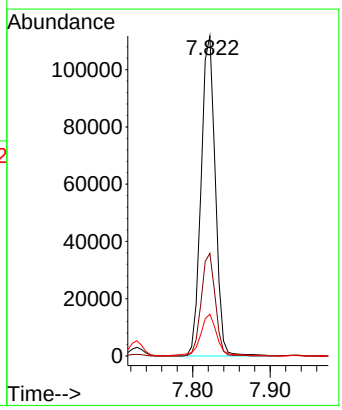


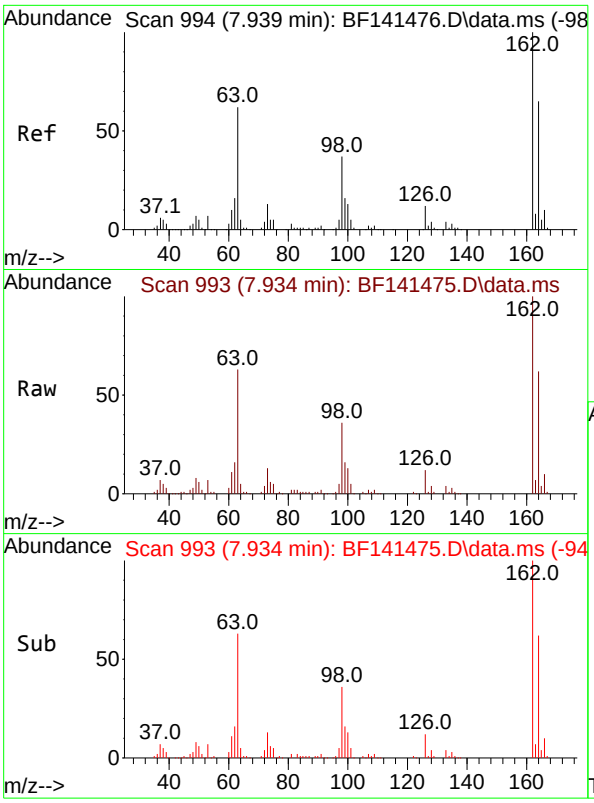


#28
bis(2-Chloroethoxy)methane
Concen: 20.852 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



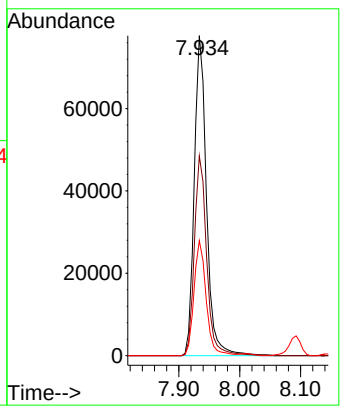


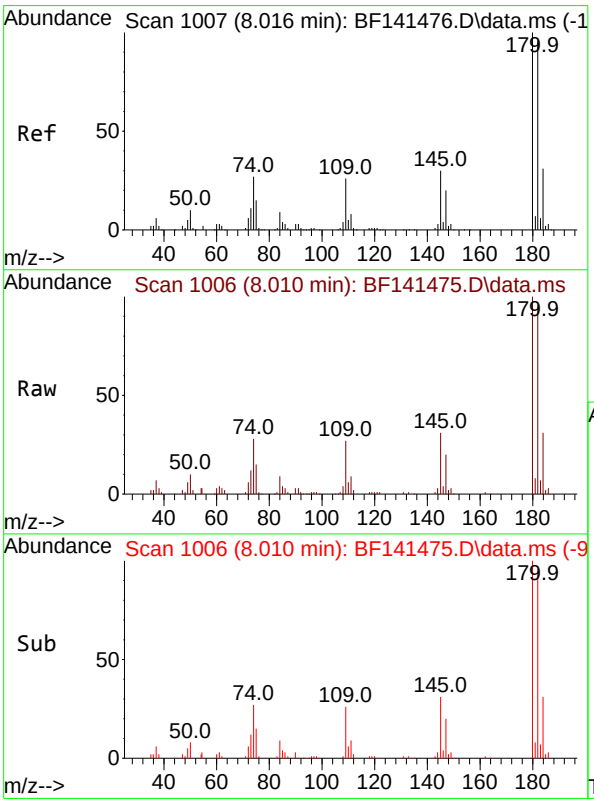
#29
2,4-Dichlorophenol
Concen: 21.227 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

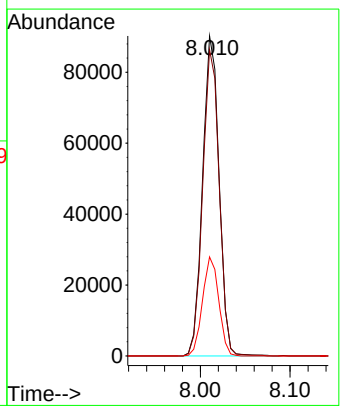


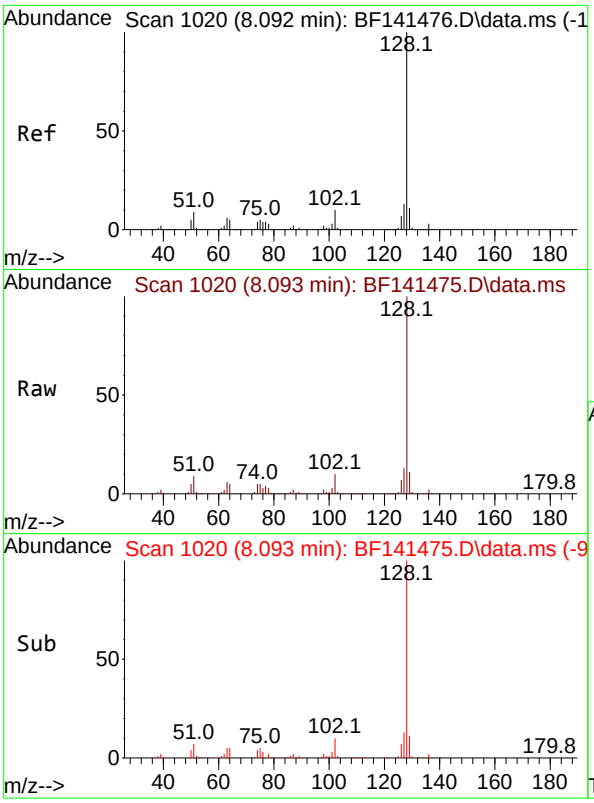


#30
1,2,4-Trichlorobenzene
Concen: 20.678 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



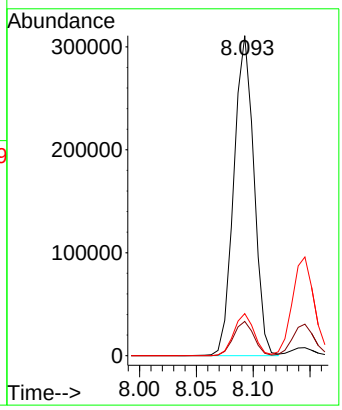


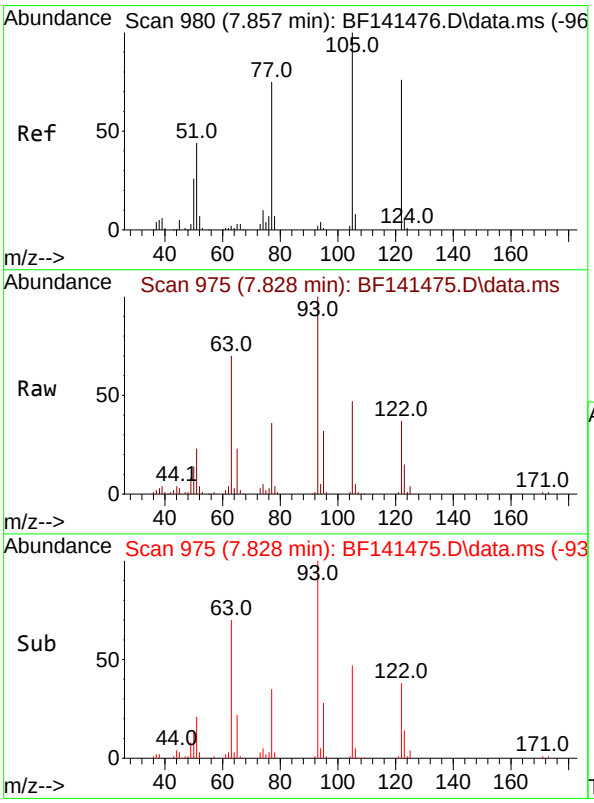
#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

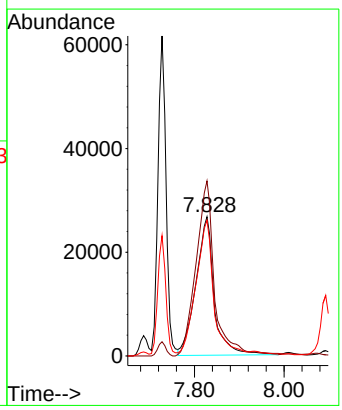


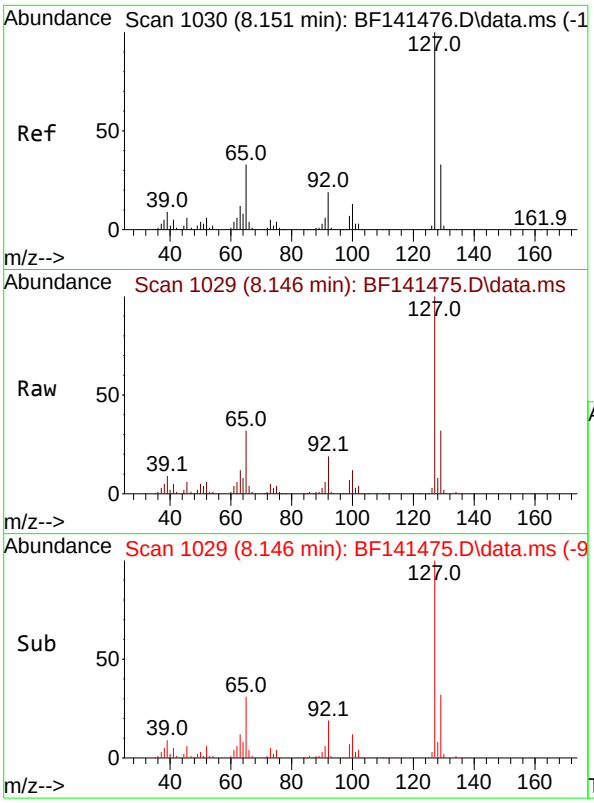


#32
Benzoic acid
Concen: 19.212 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



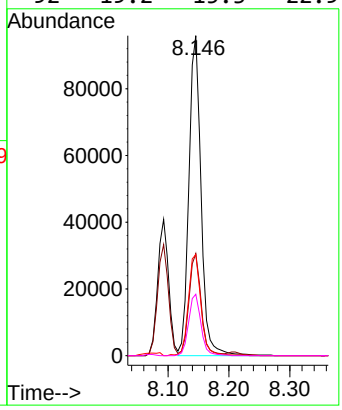


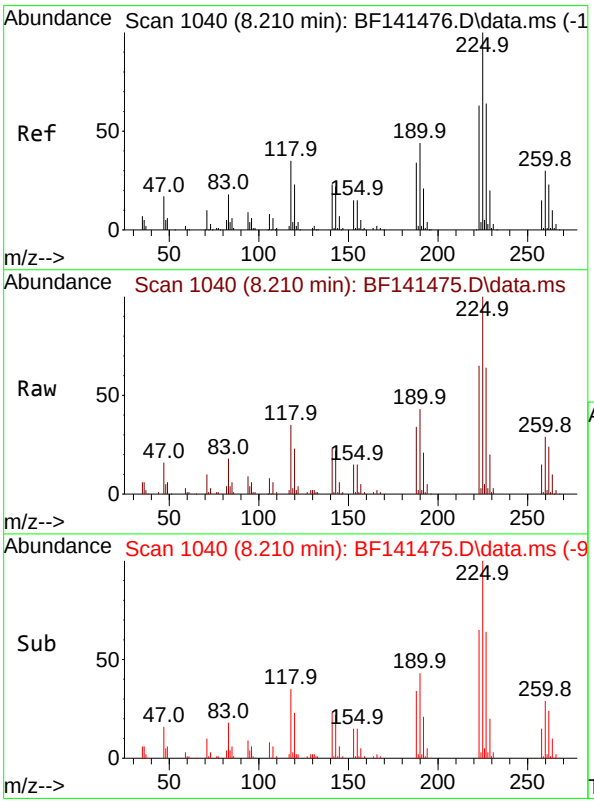
#33
4-Chloroaniline
Concen: 21.014 ng
RT: 8.146 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

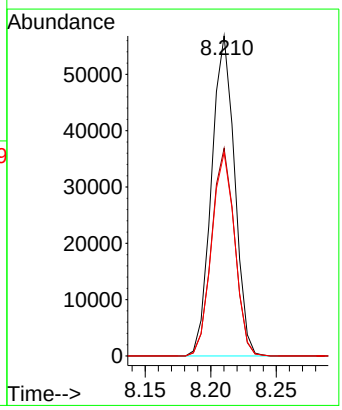


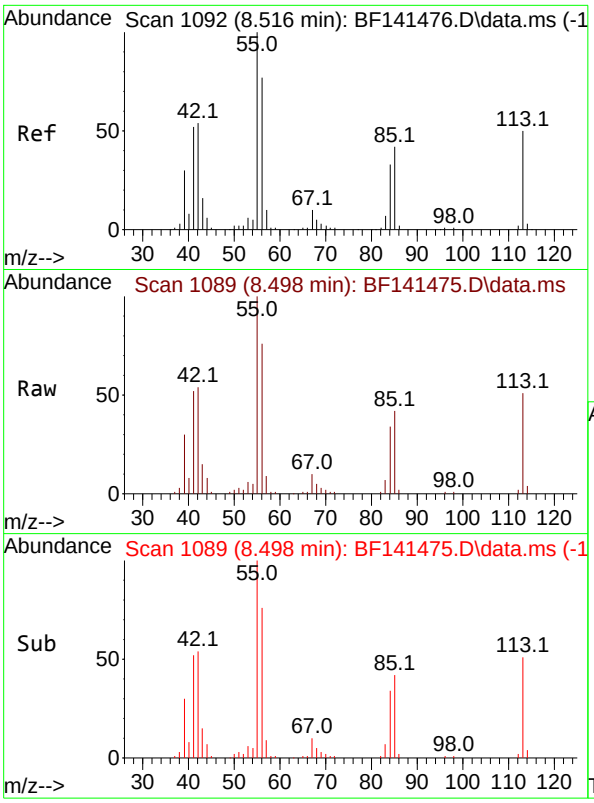


#34
Hexachlorobutadiene
Concen: 20.804 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



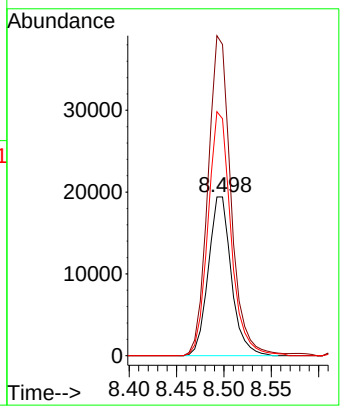


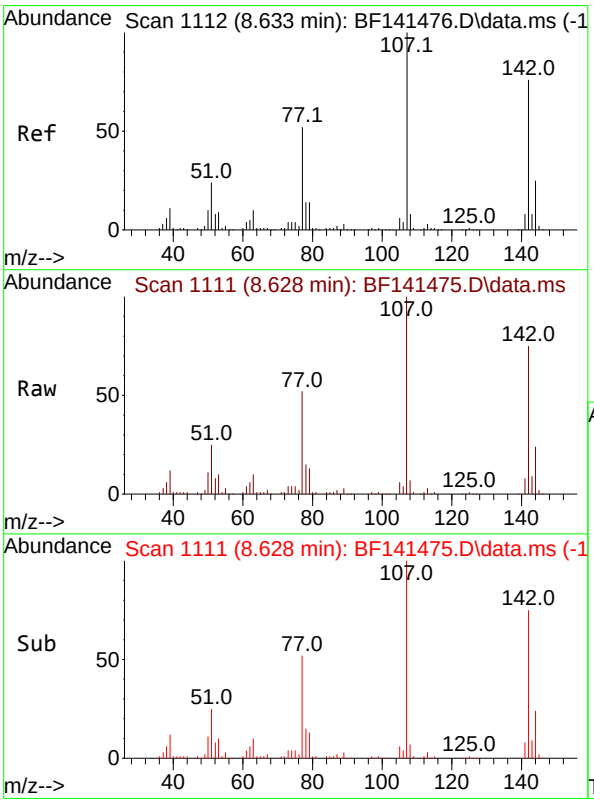
#35
Caprolactam
Concen: 21.050 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

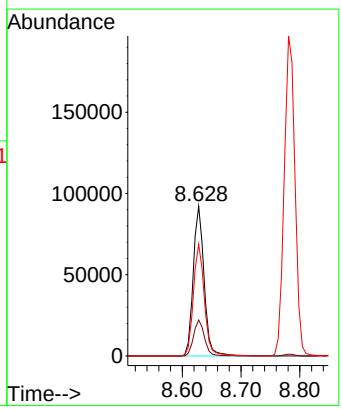


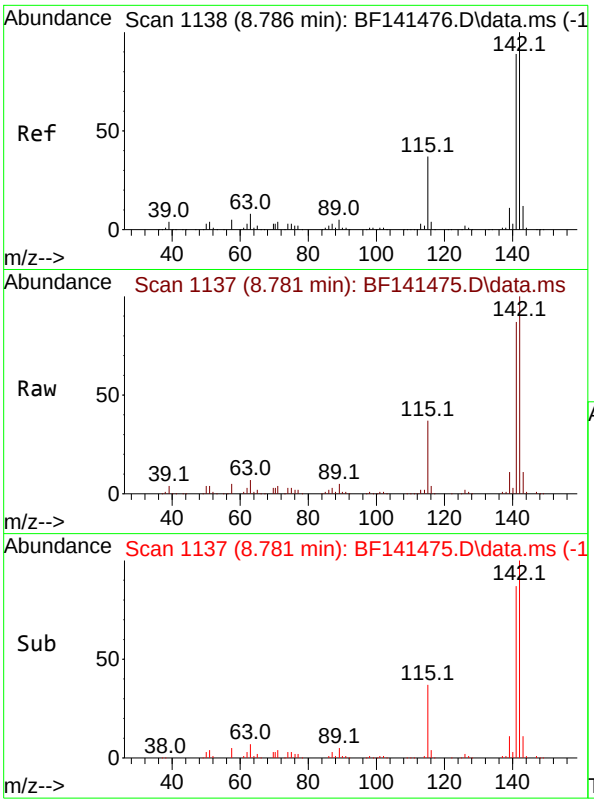


#36
4-Chloro-3-methylphenol
Concen: 21.029 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



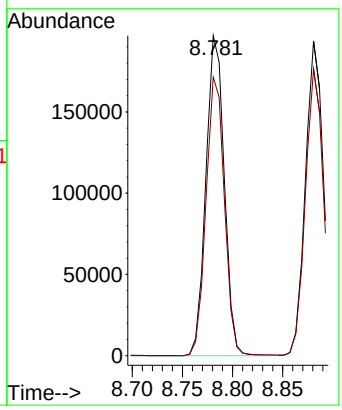


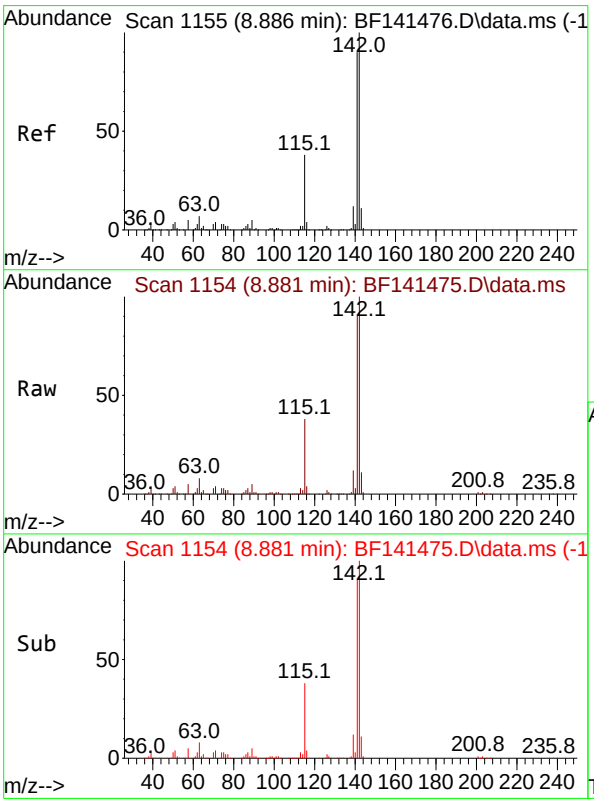
#37
2-Methylnaphthalene
Concen: 21.238 ng
RT: 8.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 250365

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.2	106.8

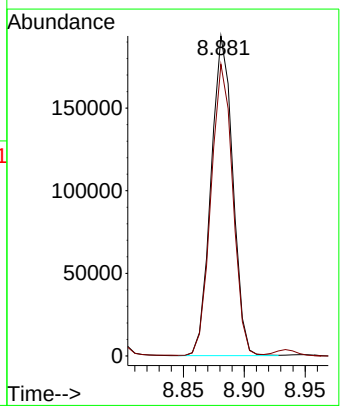


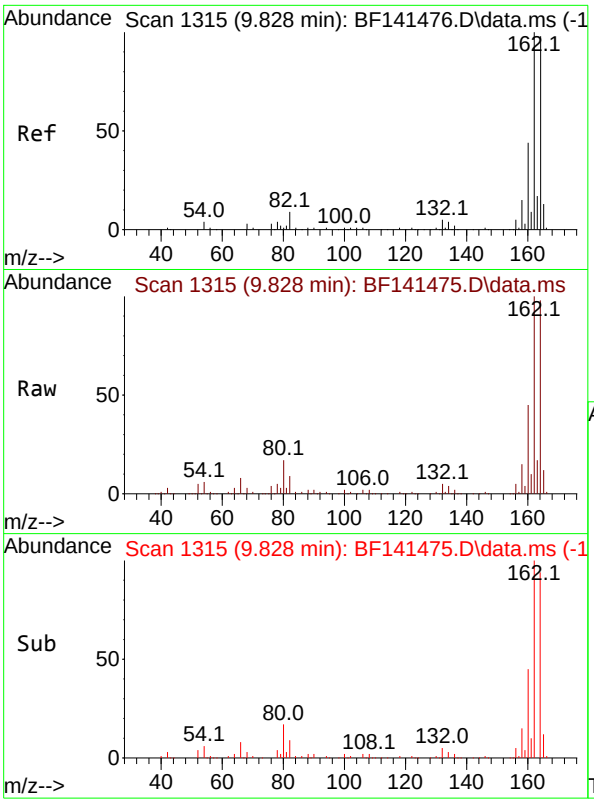


#38
1-Methylnaphthalene
Concen: 21.056 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 240408

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1



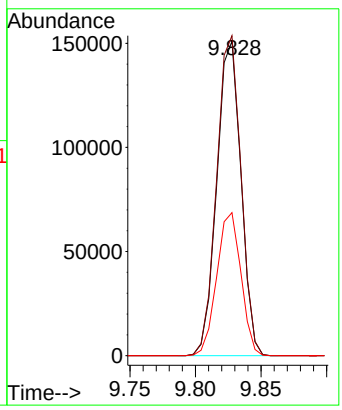


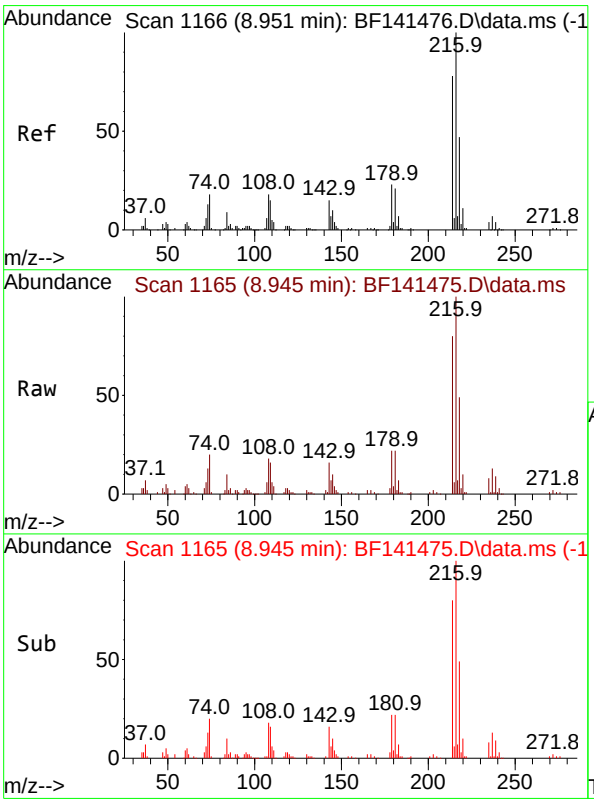
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

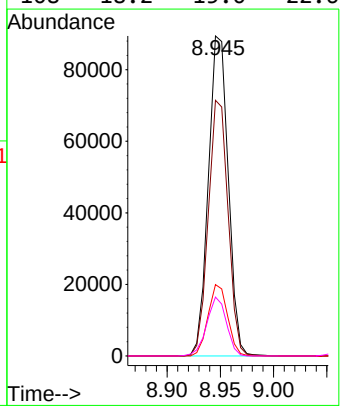


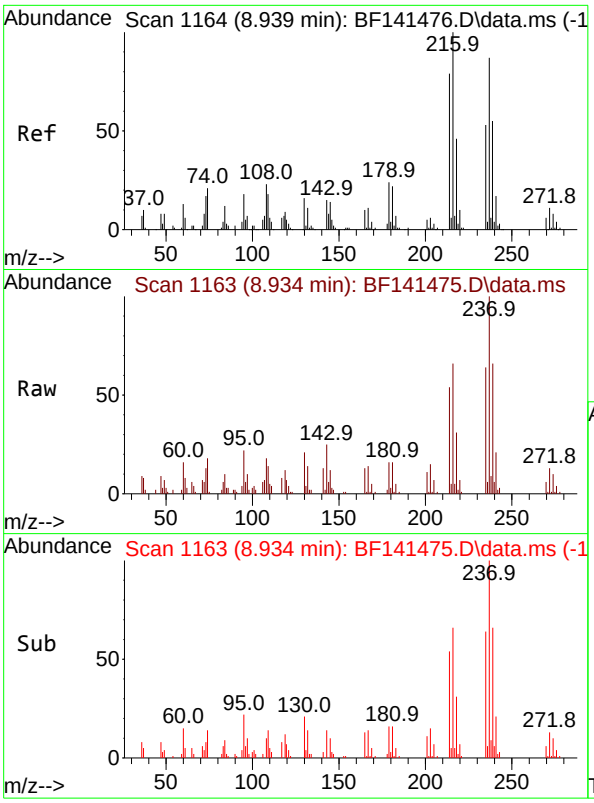


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.753 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



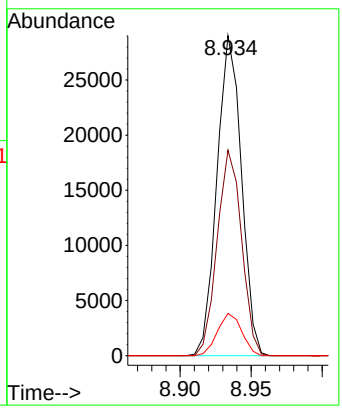


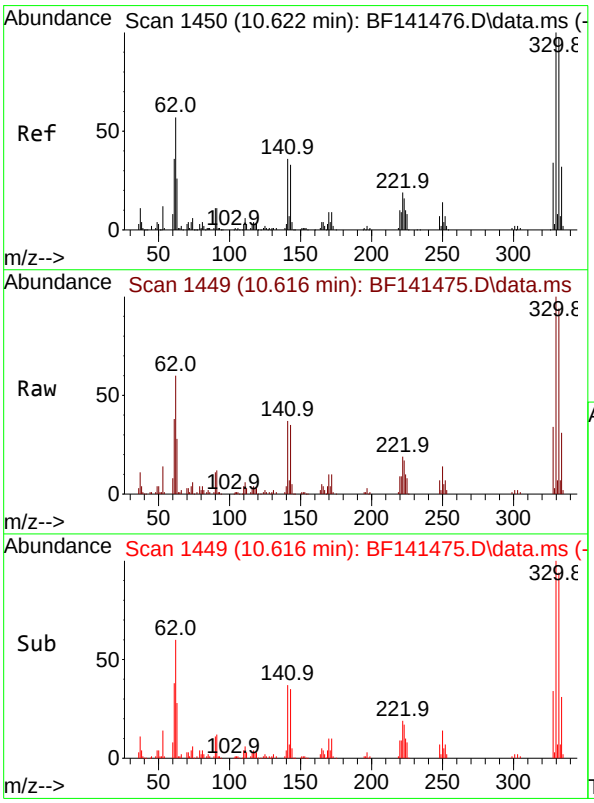
#41
Hexachlorocyclopentadiene
Concen: 18.691 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

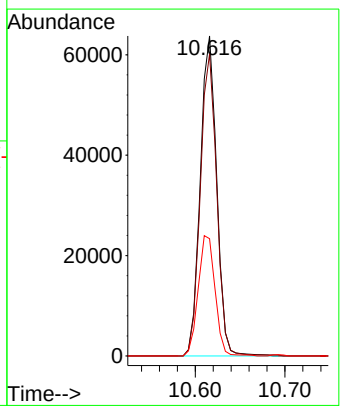


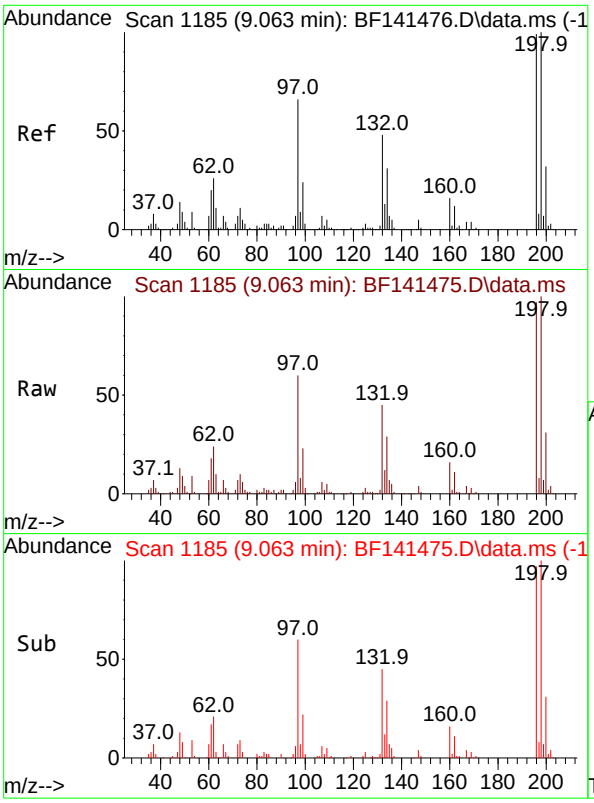


#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



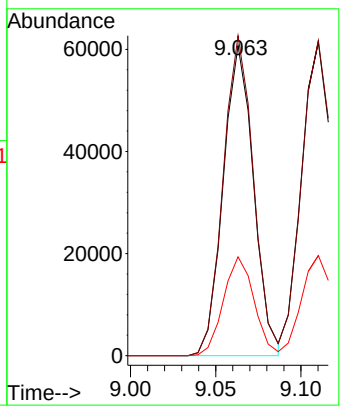


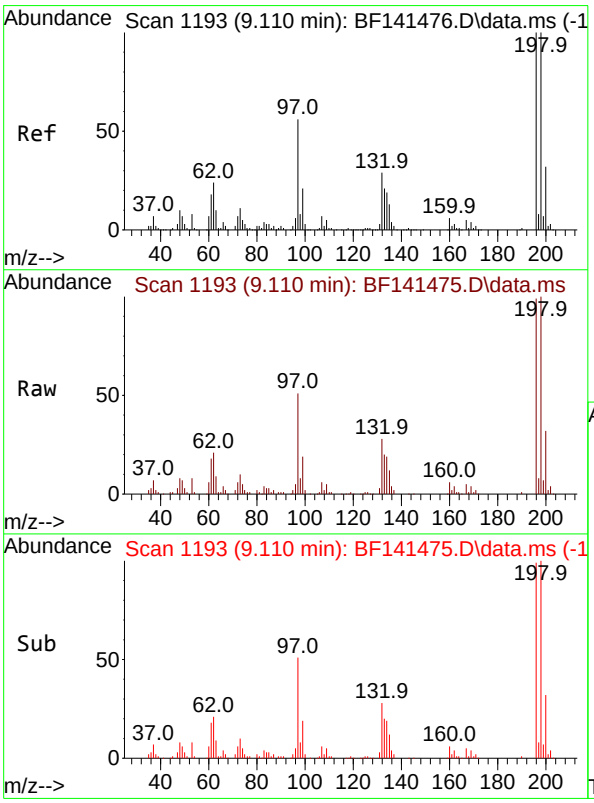
#43
2,4,6-Trichlorophenol
Concen: 20.817 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

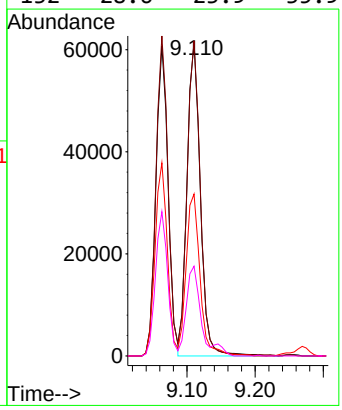


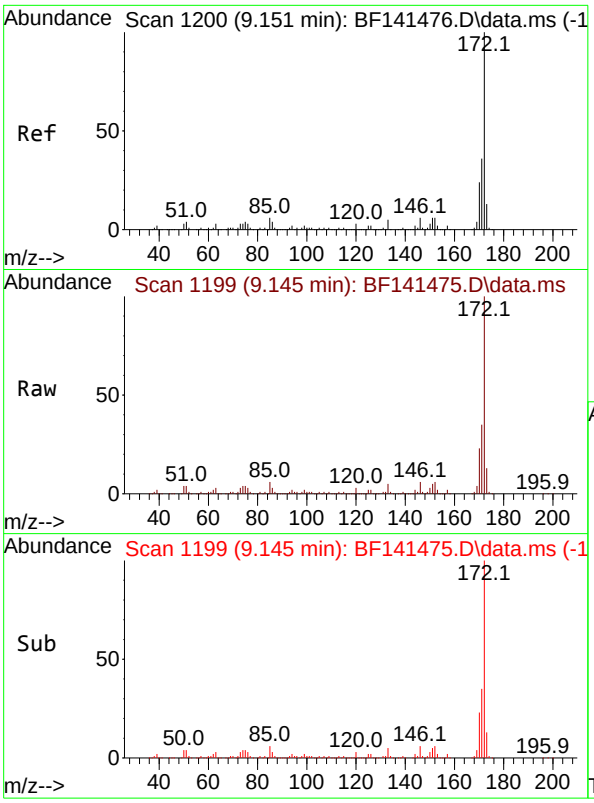


#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



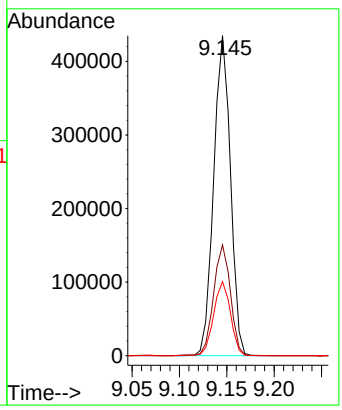


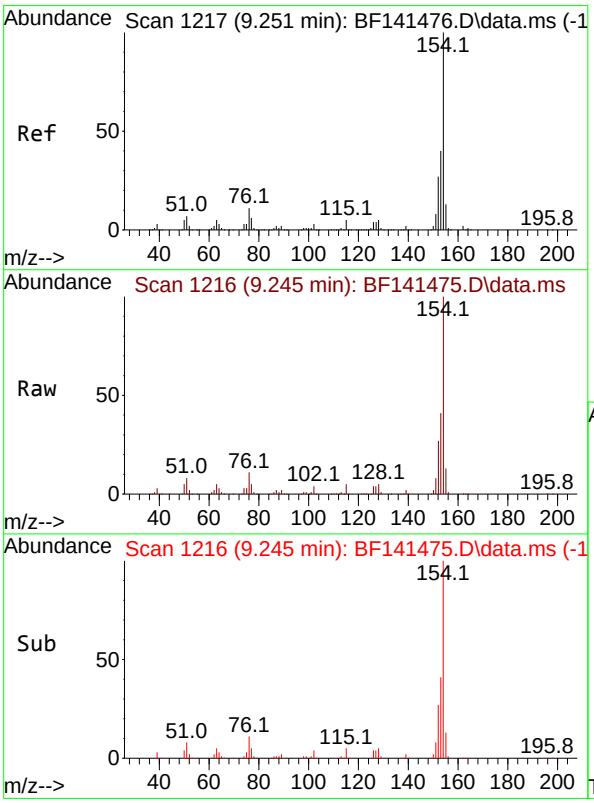
#45
2-Fluorobiphenyl
Concen: 42.674 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

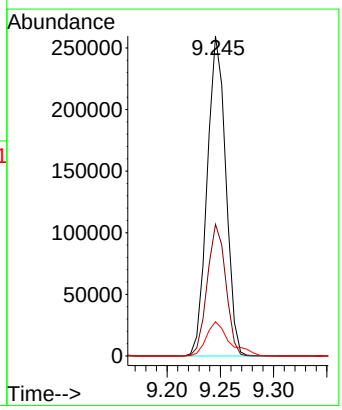


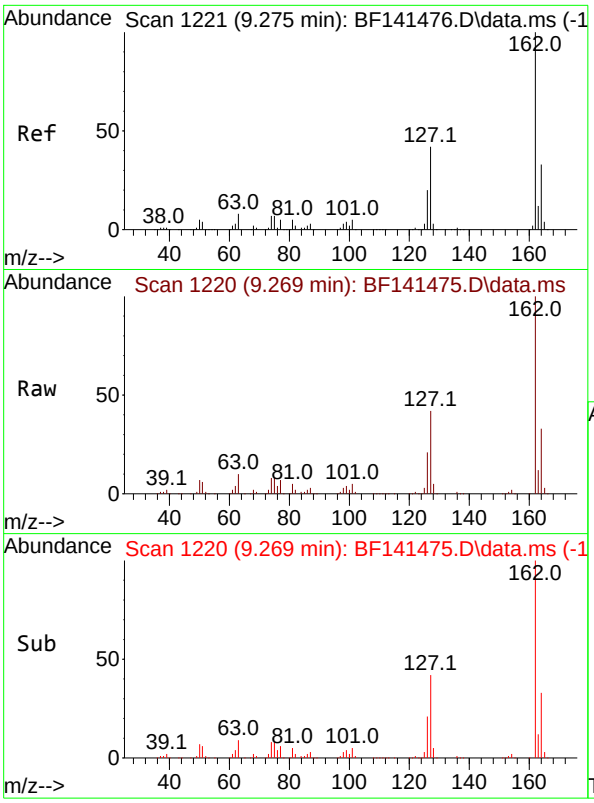


#46
1,1'-Biphenyl
Concen: 21.045 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



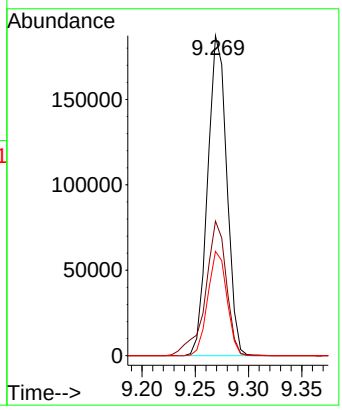


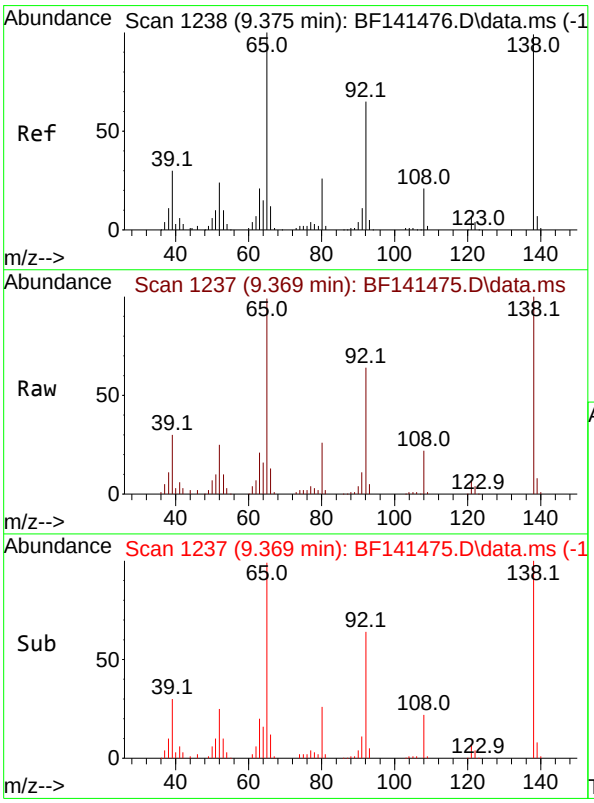
#47
2-Chloronaphthalene
Concen: 21.119 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

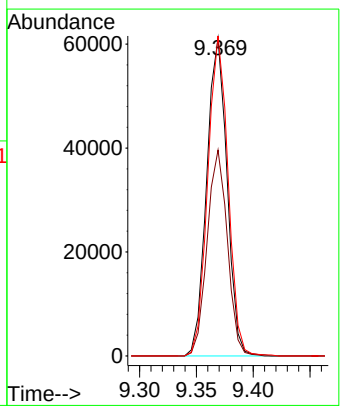


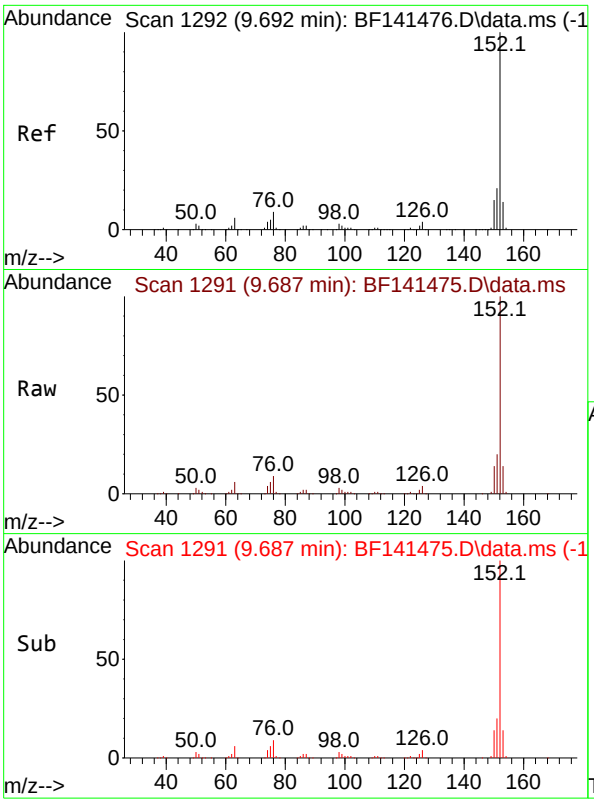


#48
2-Nitroaniline
Concen: 20.455 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



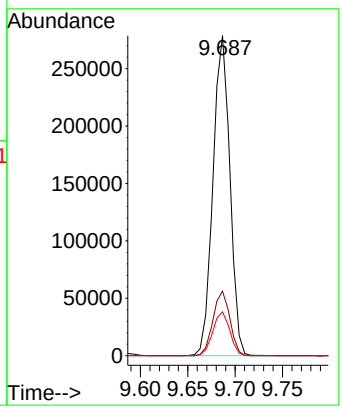


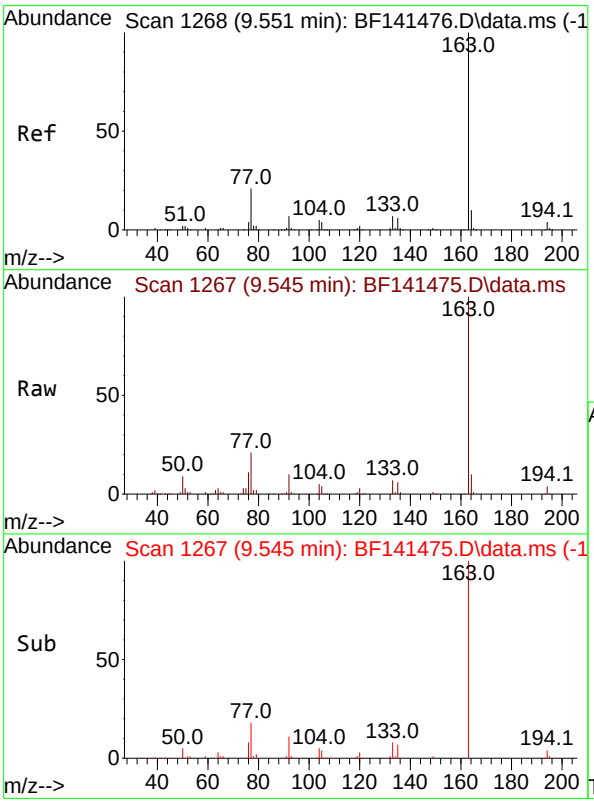
#49
Acenaphthylene
Concen: 21.004 ng
RT: 9.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

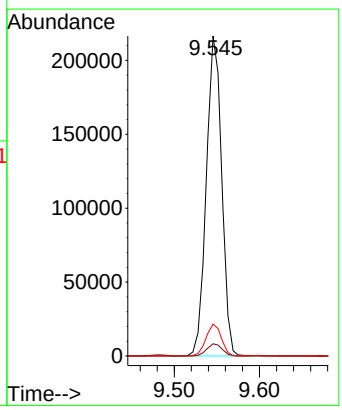


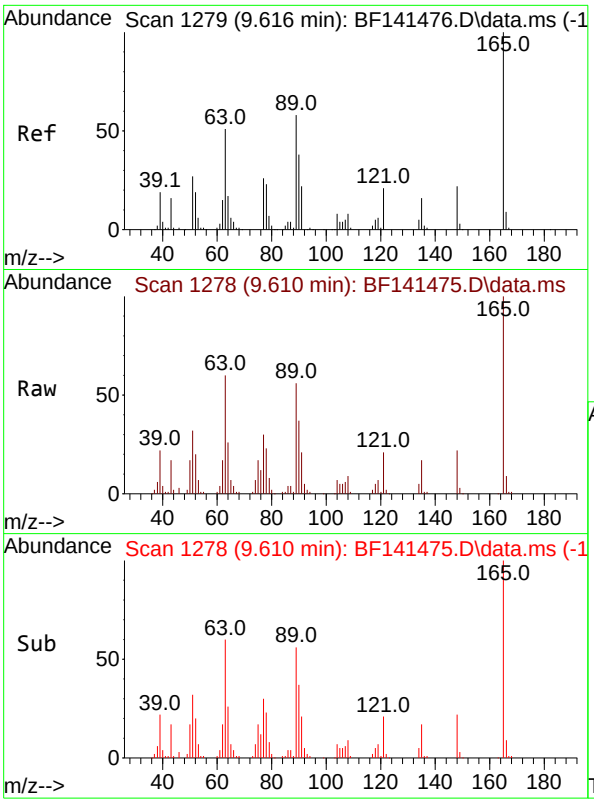


#50
Dimethylphthalate
Concen: 20.744 ng
RT: 9.545 min Scan# 1267
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



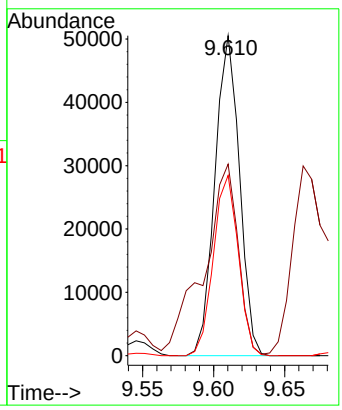


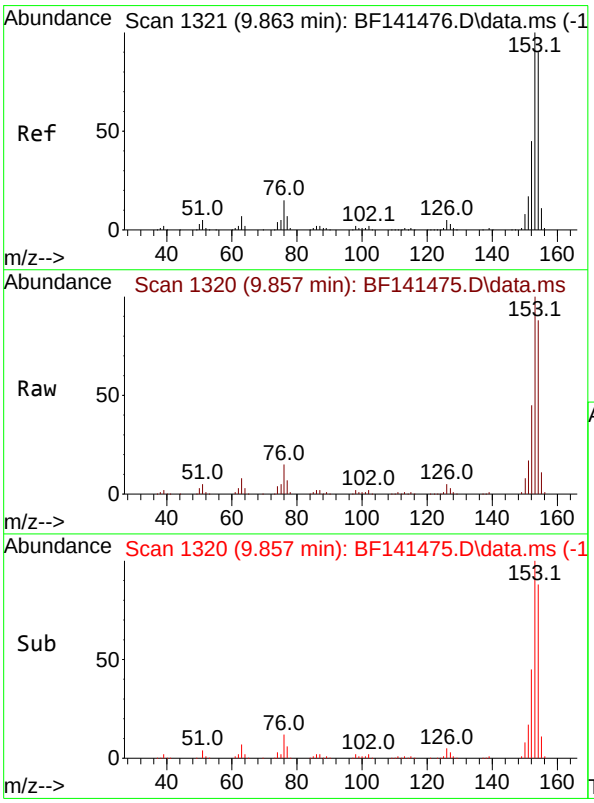
#51
2,6-Dinitrotoluene
Concen: 21.182 ng
RT: 9.610 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

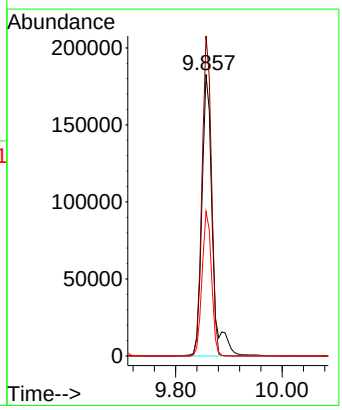


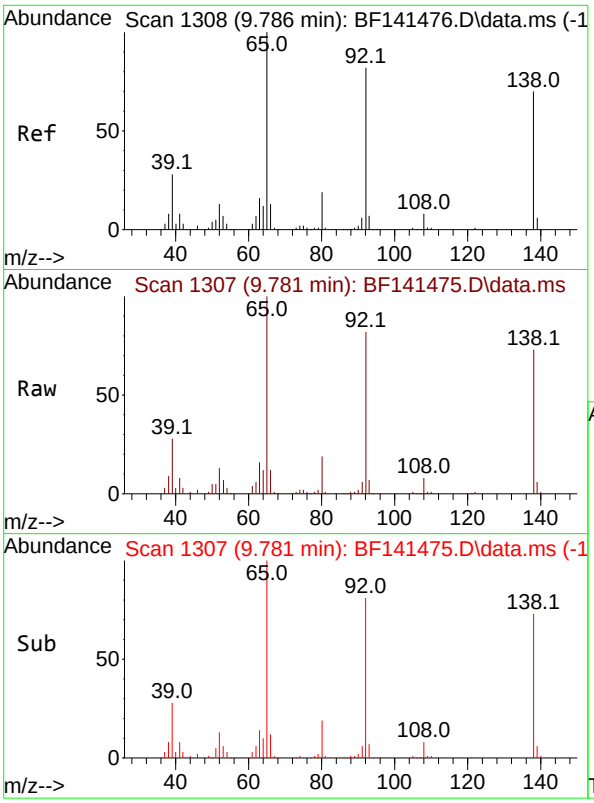


#52
Acenaphthene
Concen: 22.456 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:154 Resp: 248578

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.2	133.8
152	51.3	39.8	59.8



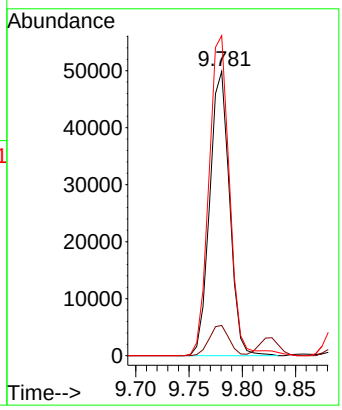


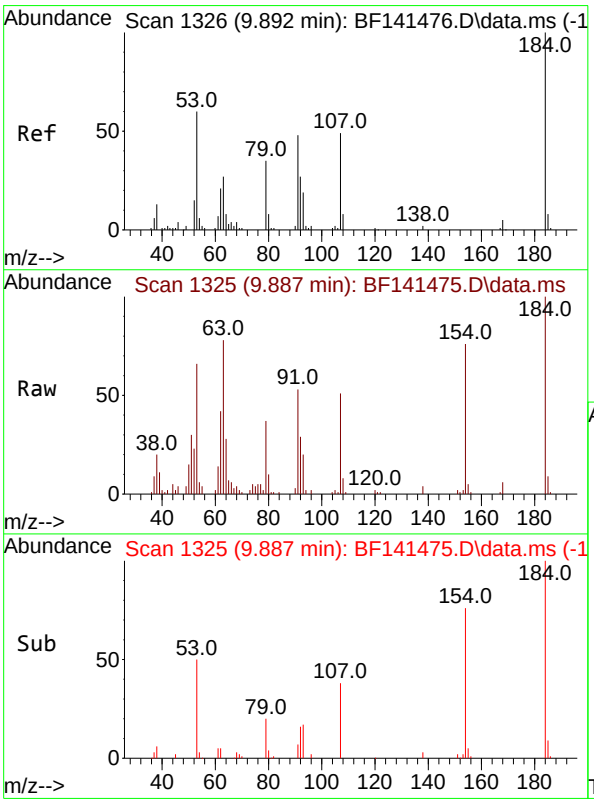
#53
3-Nitroaniline
Concen: 20.954 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

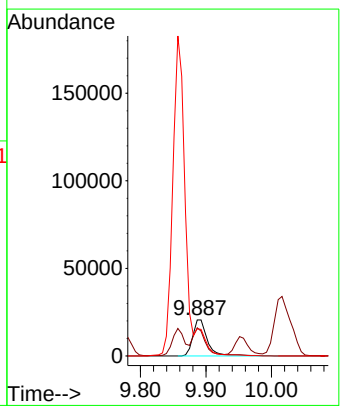


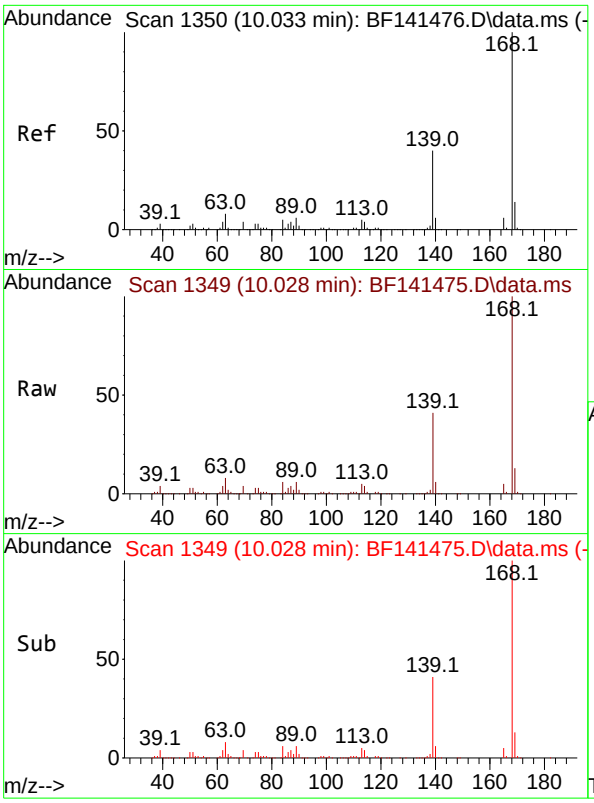


#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



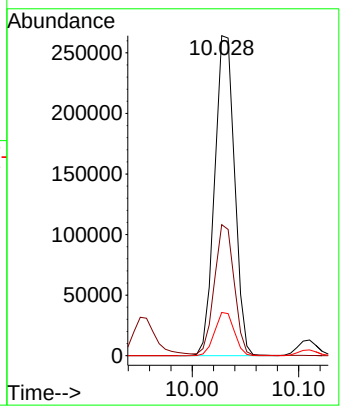


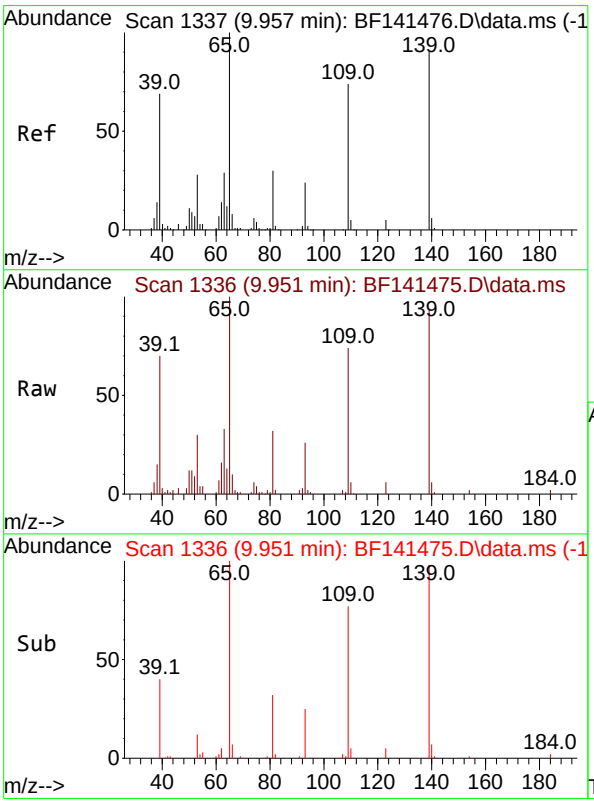
#55
Dibenzofuran
Concen: 21.087 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

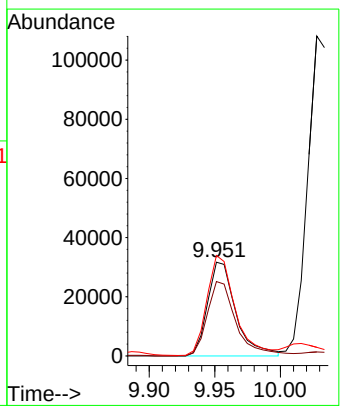


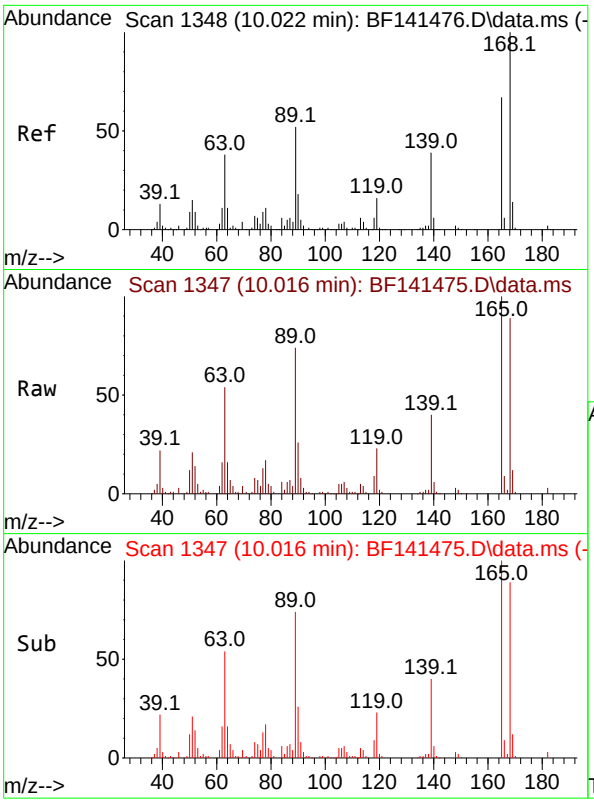


#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



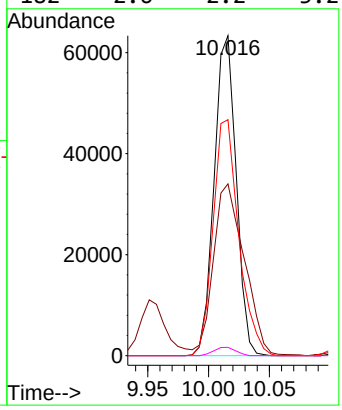


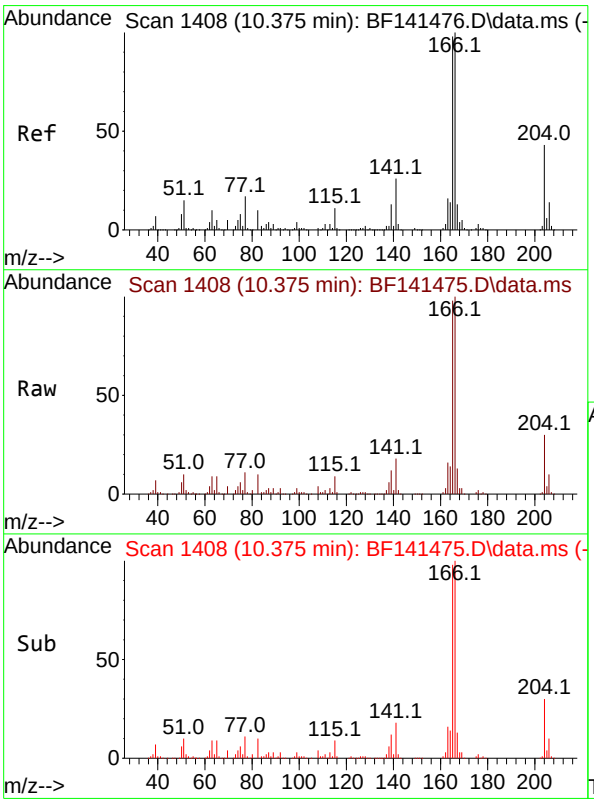
#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

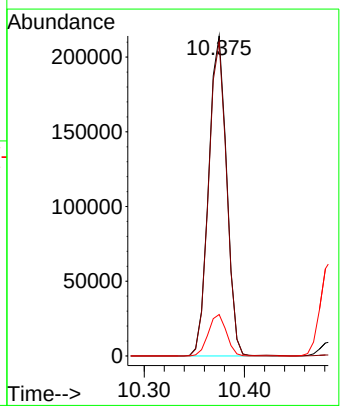


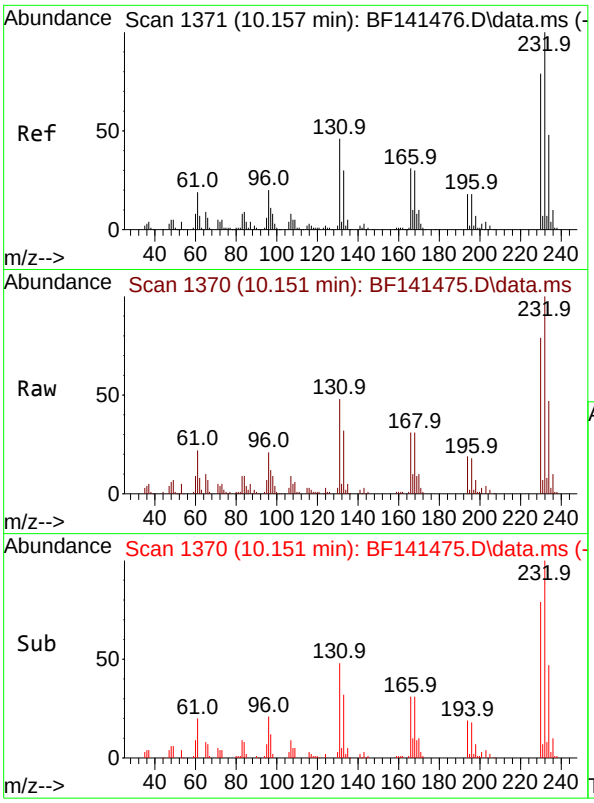


#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



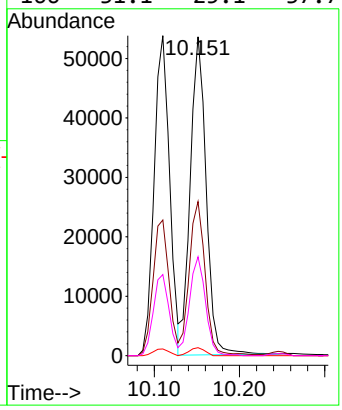


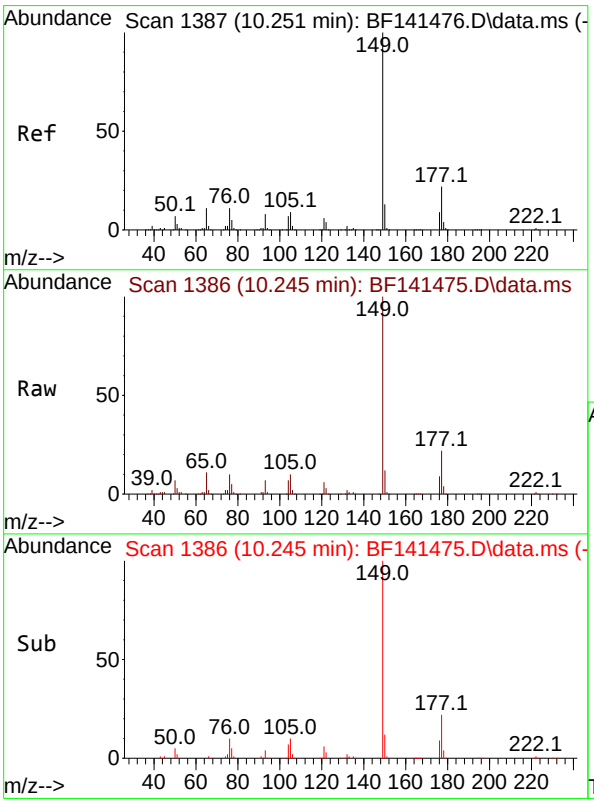
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

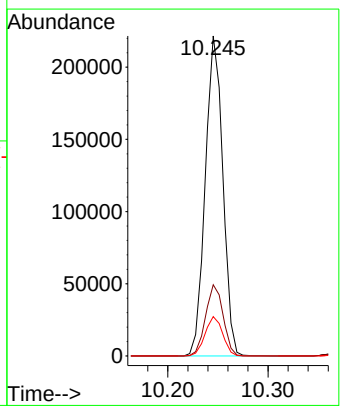


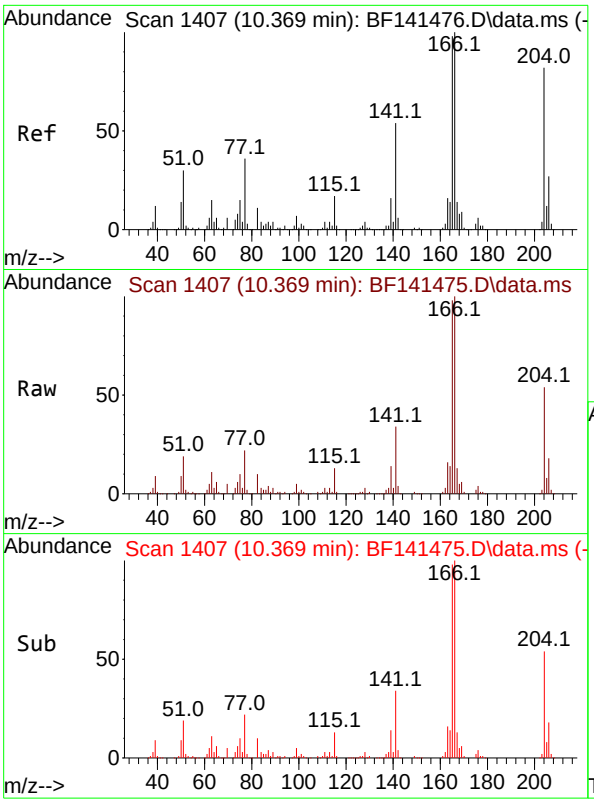


#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



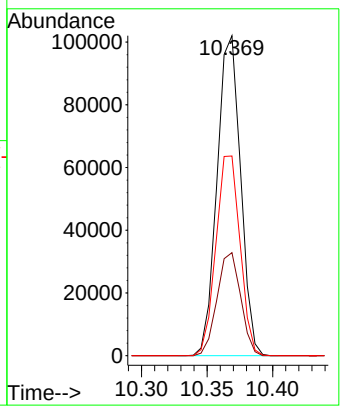


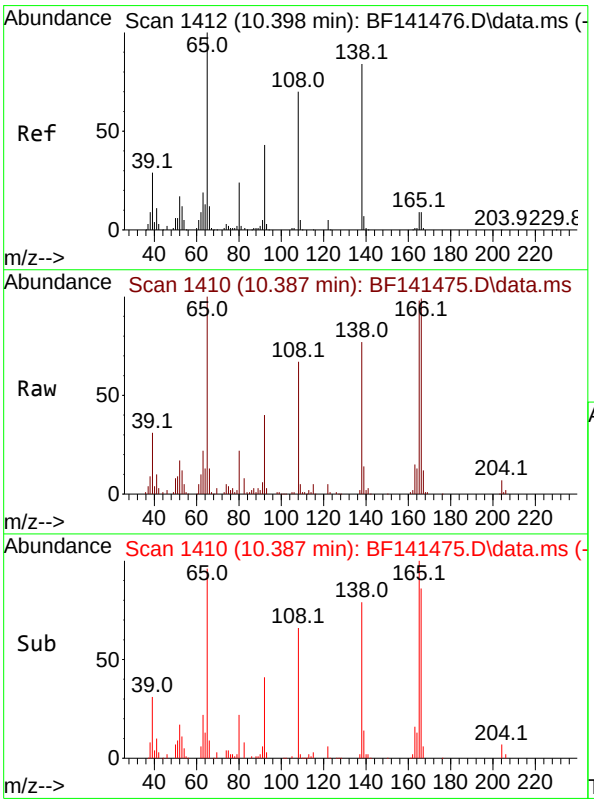
#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

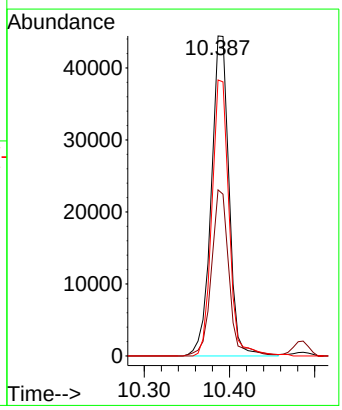


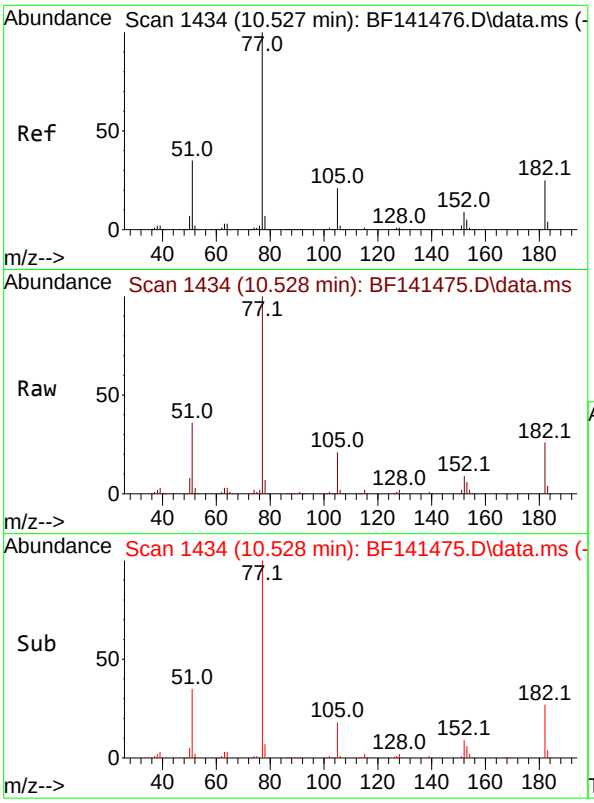


#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



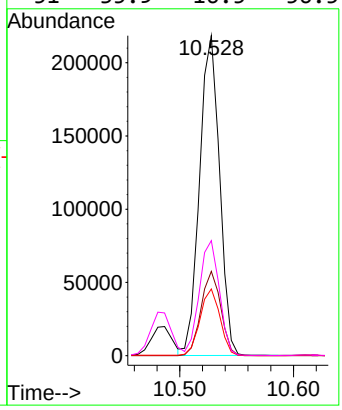


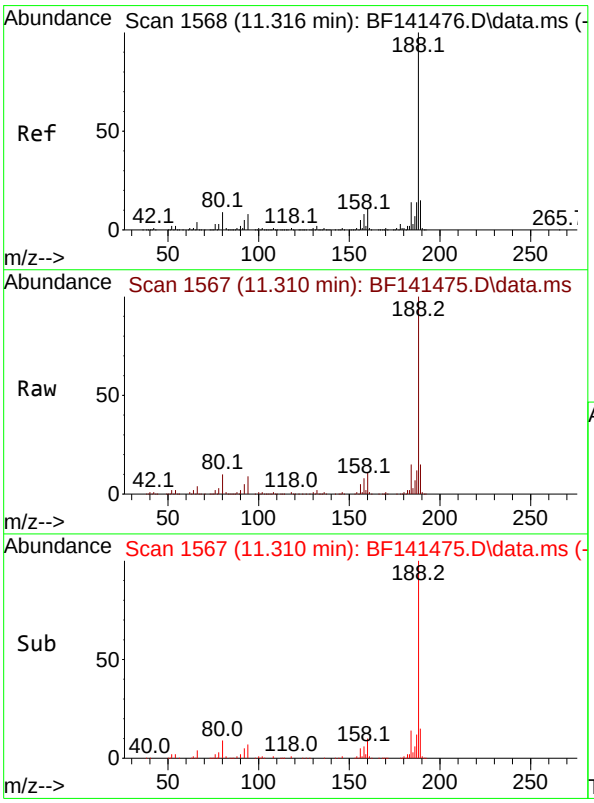
#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

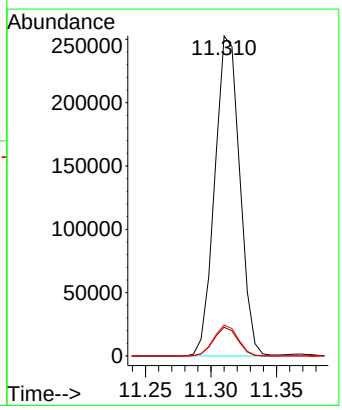


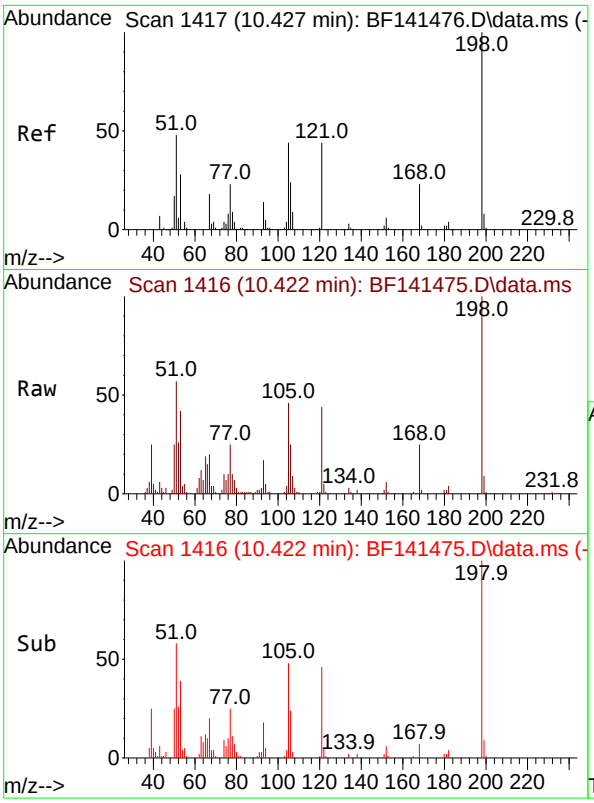


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



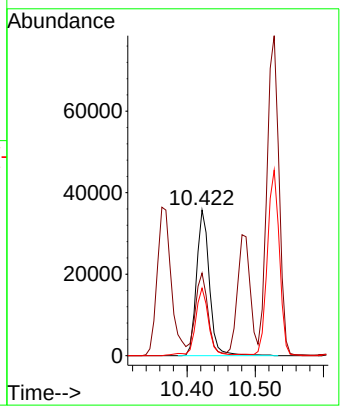


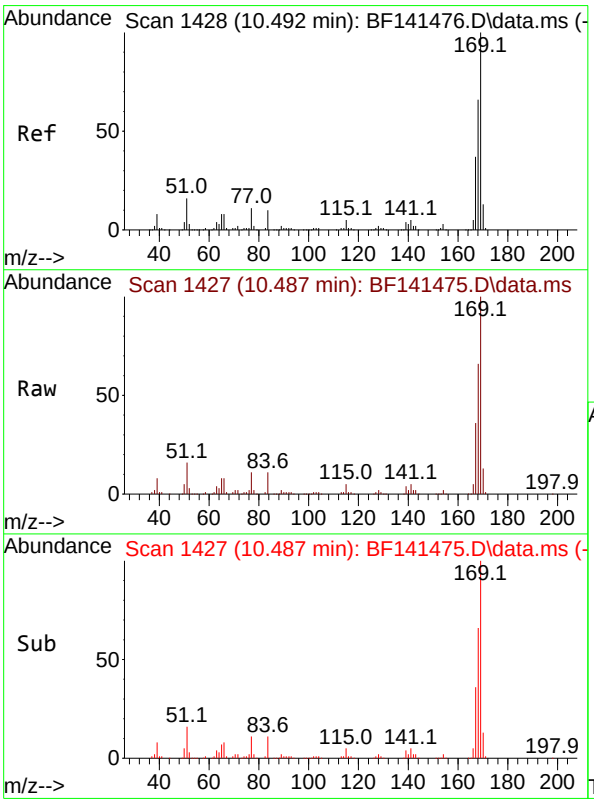
#65
4,6-Dinitro-2-methylphenol
Concen: 20.226 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

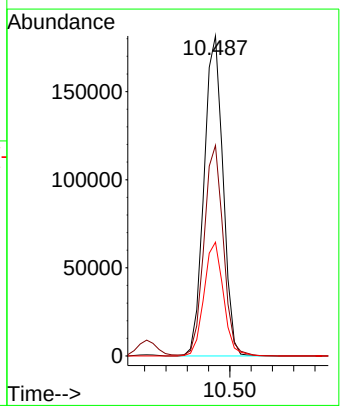


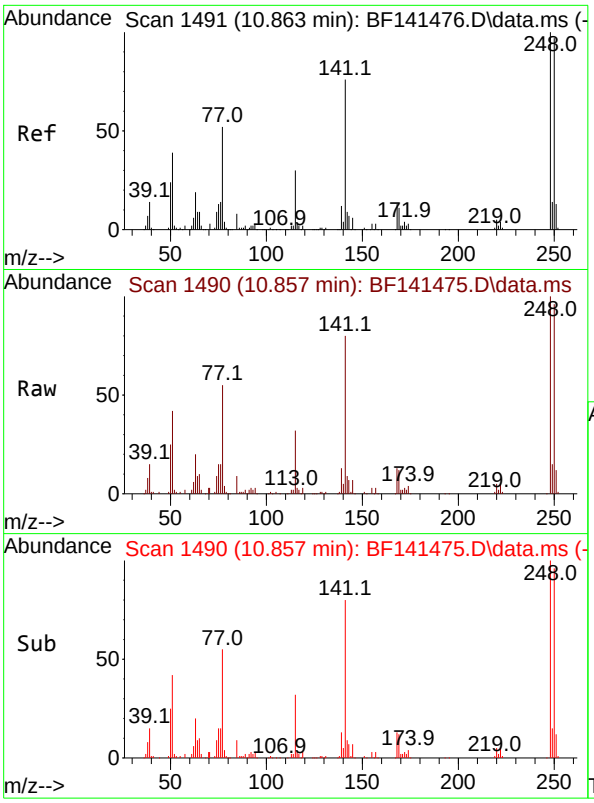


#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



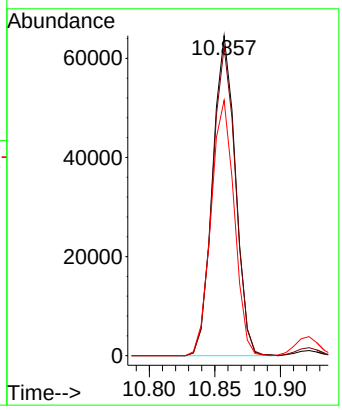


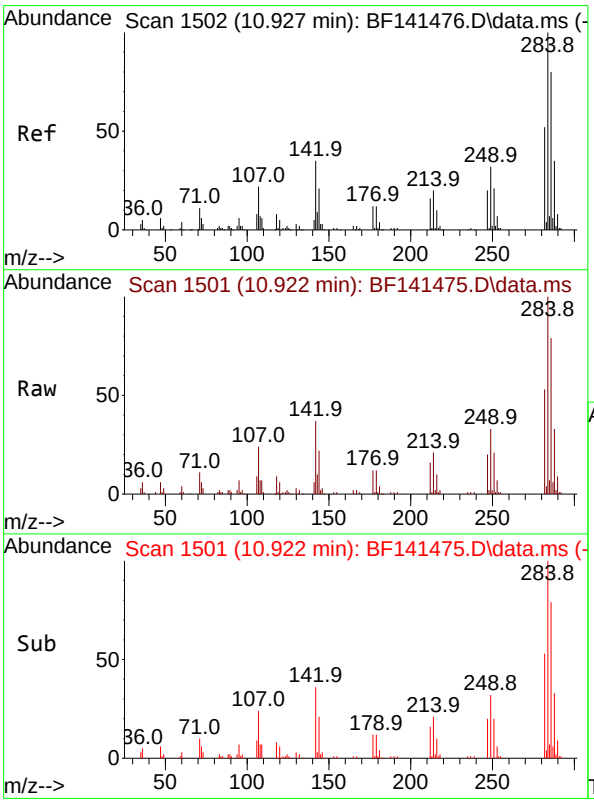
#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

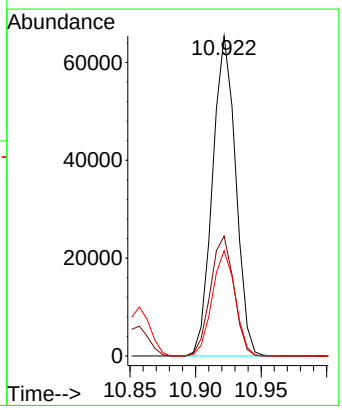


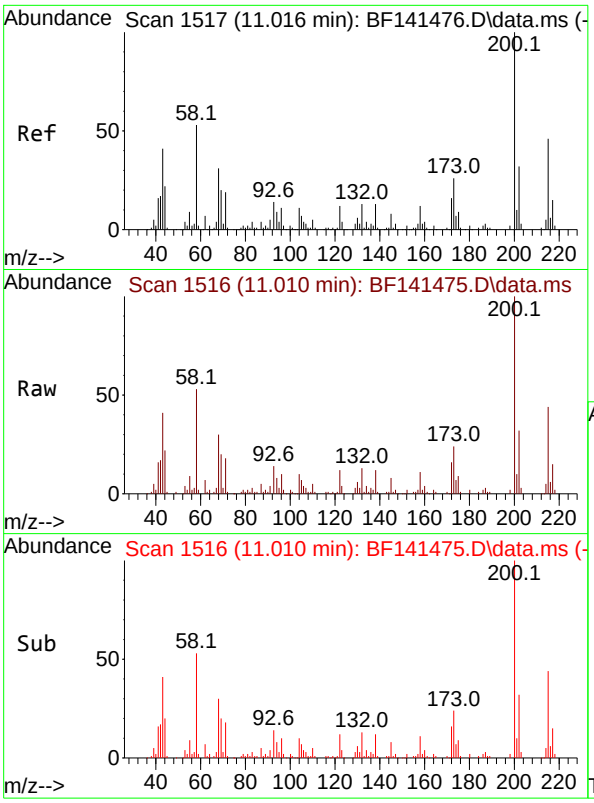


#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



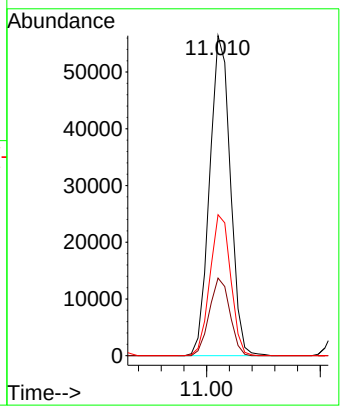


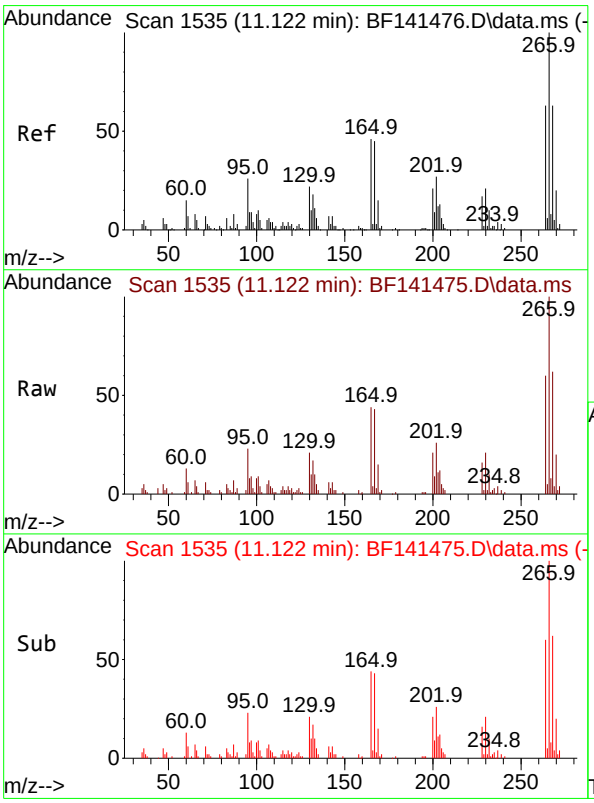
#69
Atrazine
Concen: 22.271 ng
RT: 11.010 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

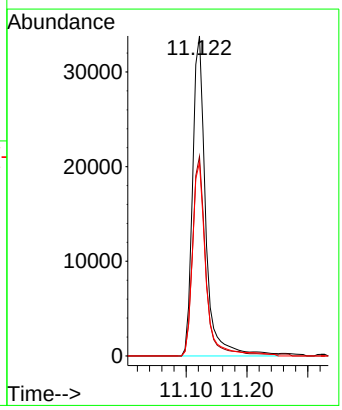


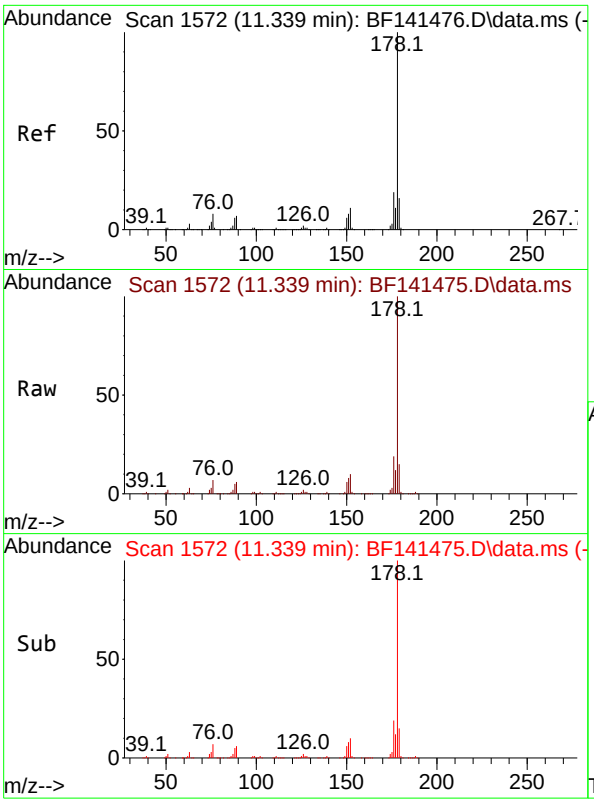


#70
Pentachlorophenol
Concen: 20.584 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



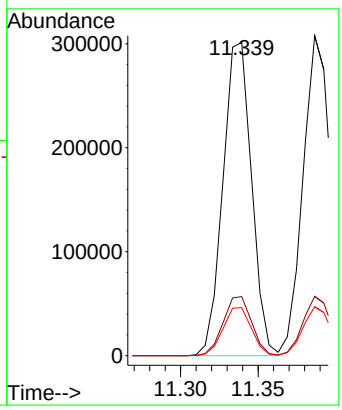


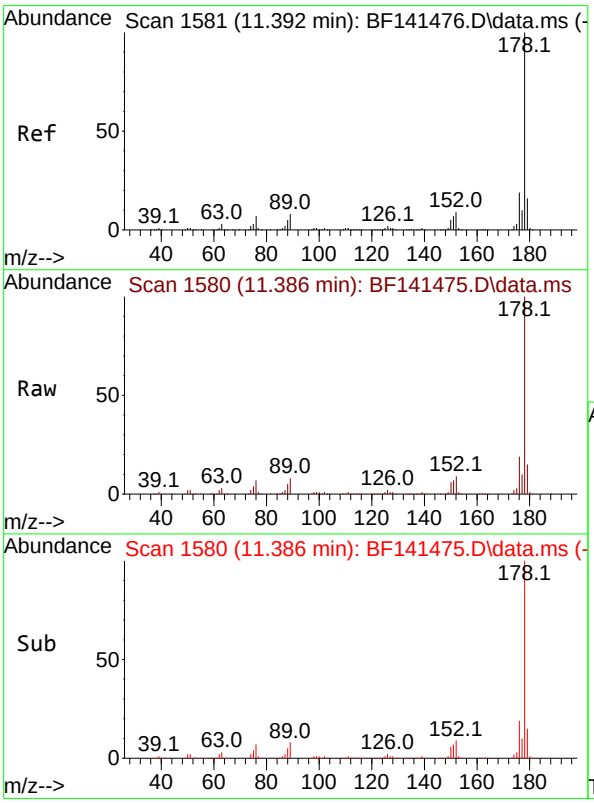
#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

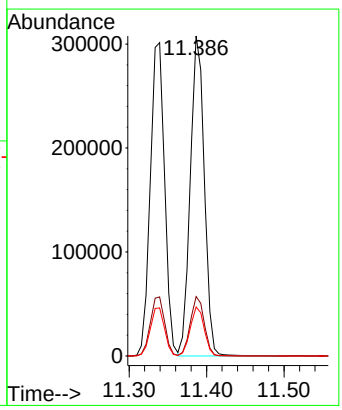


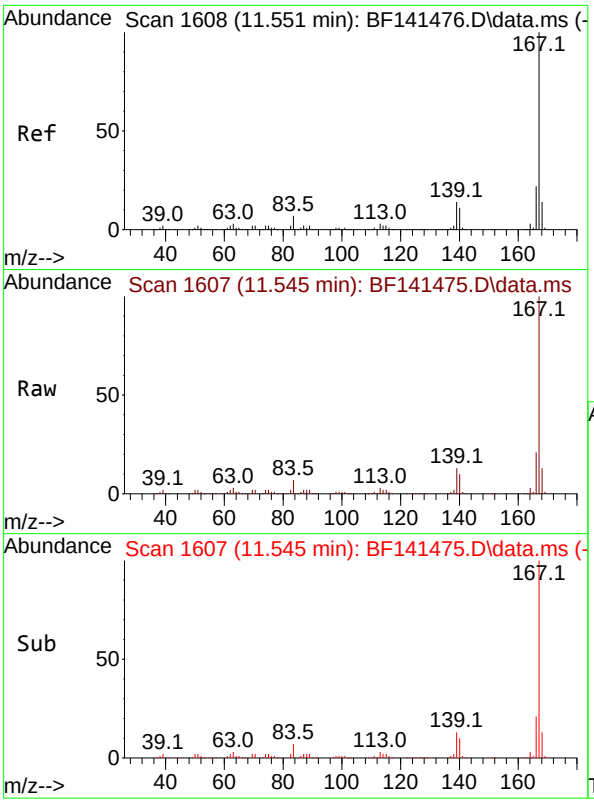


#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



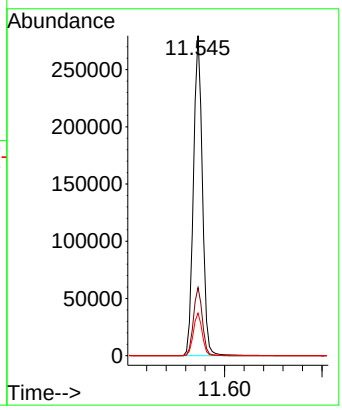


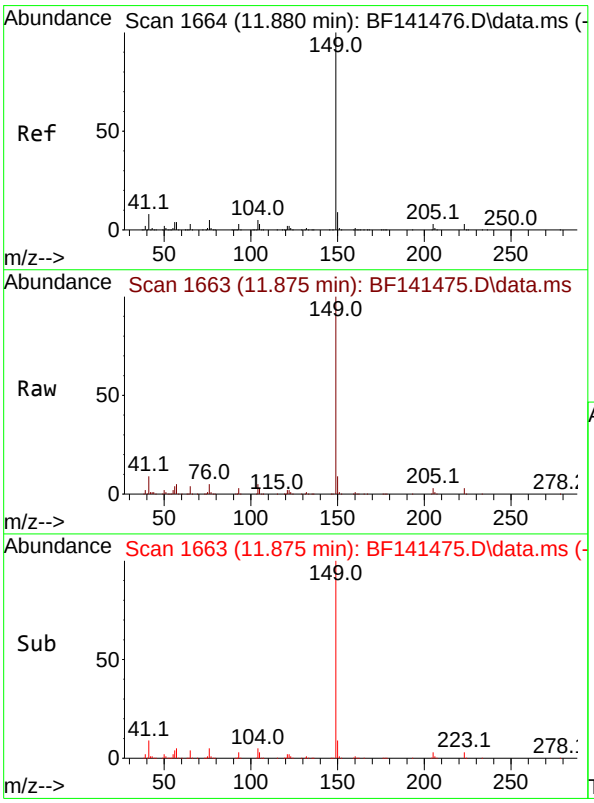
#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

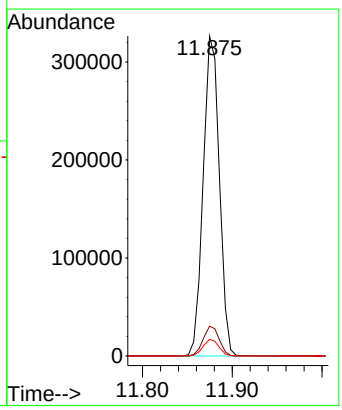


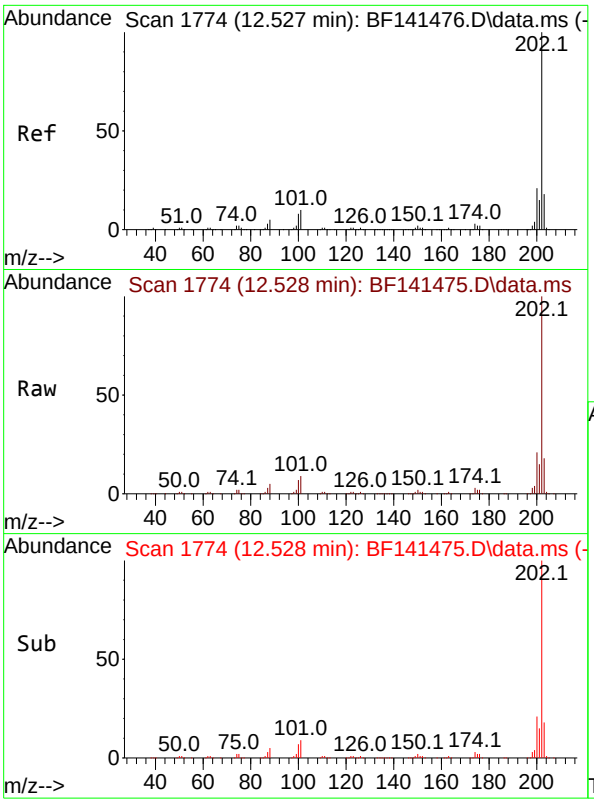


#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



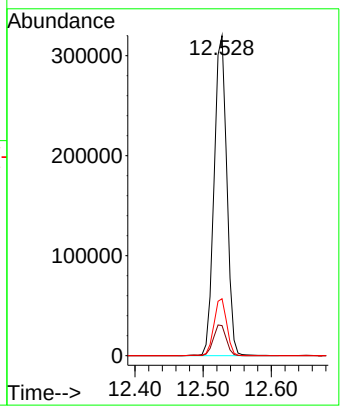


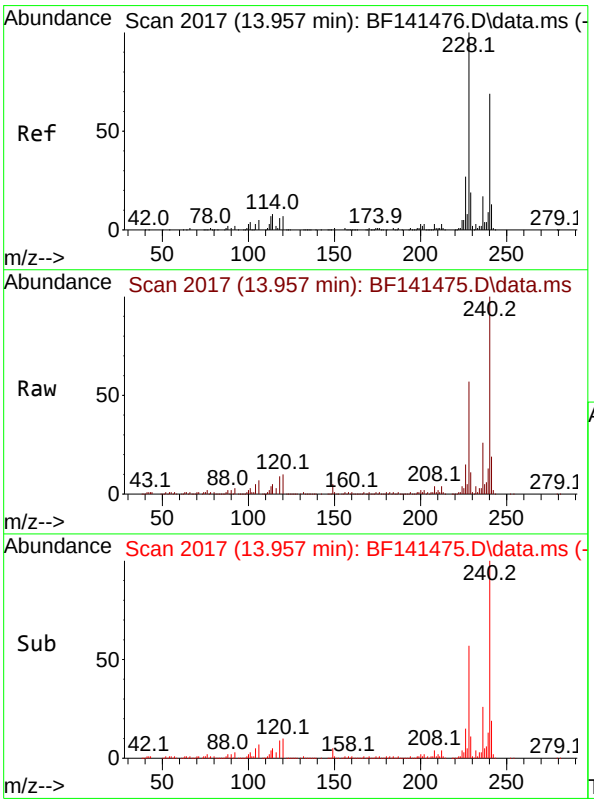
#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

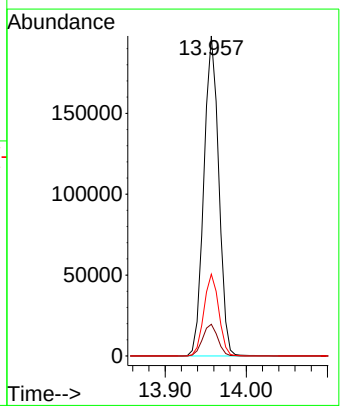


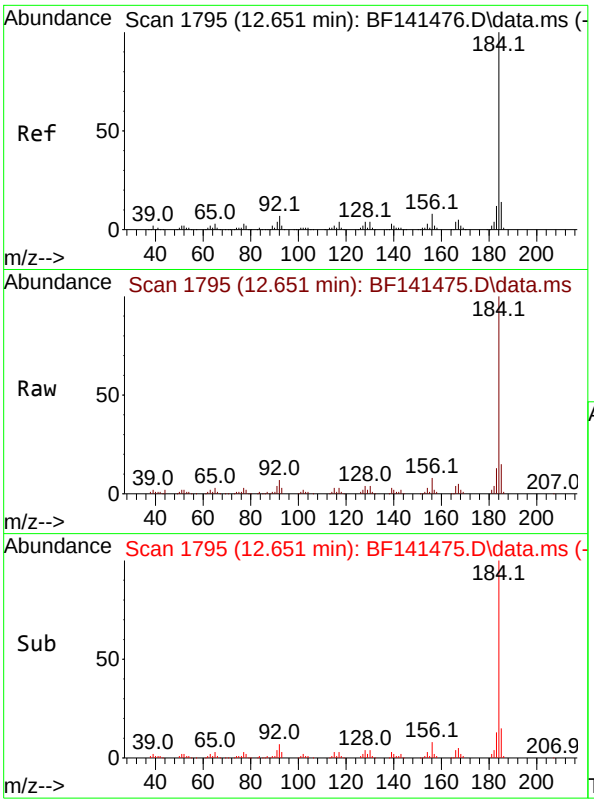


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



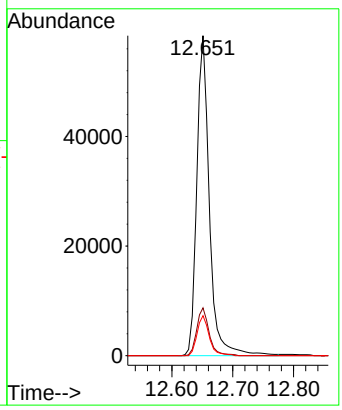


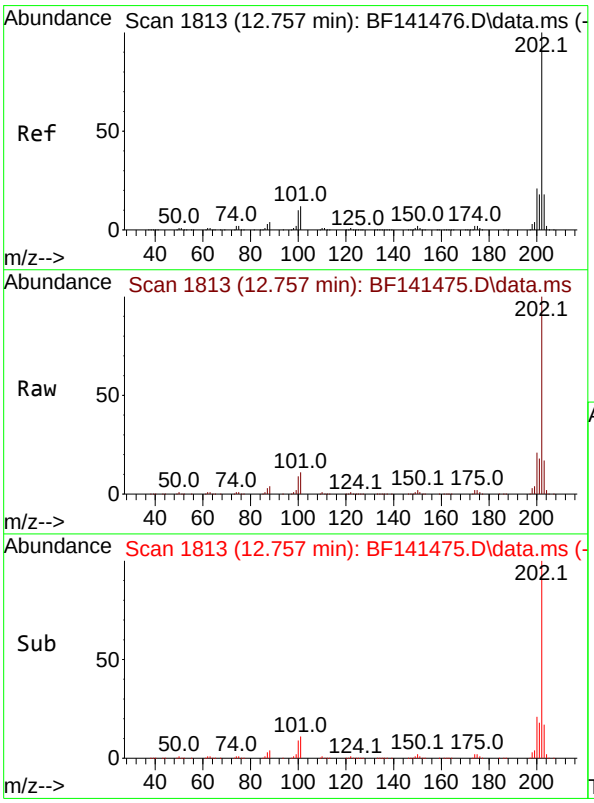
#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

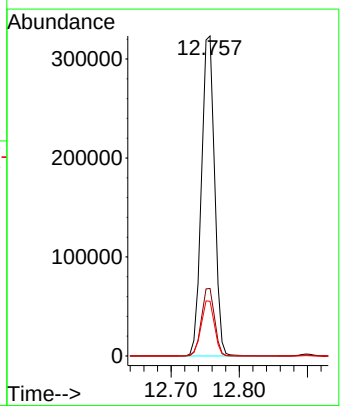


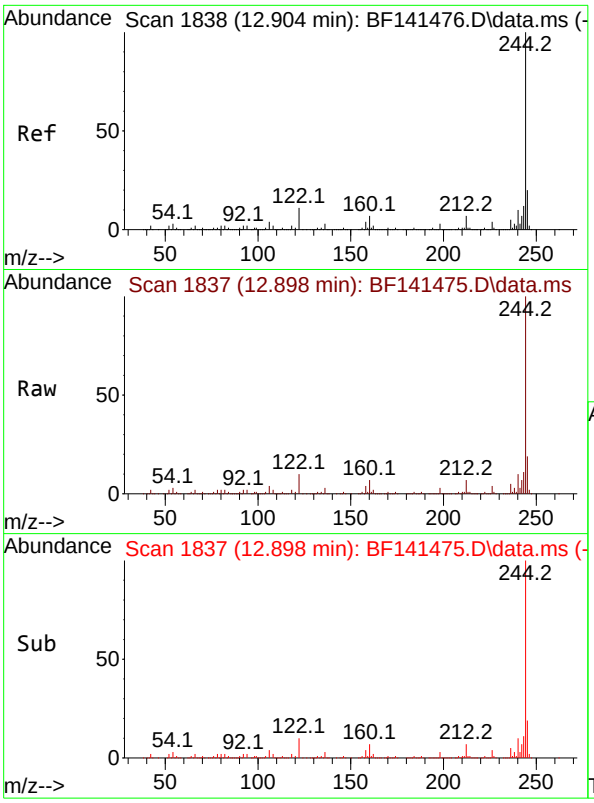


#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



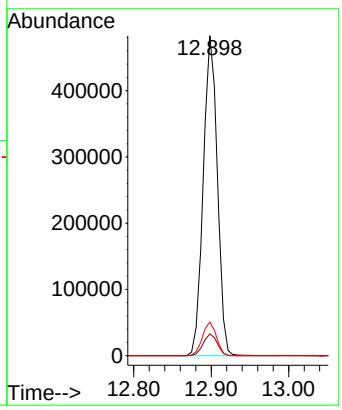


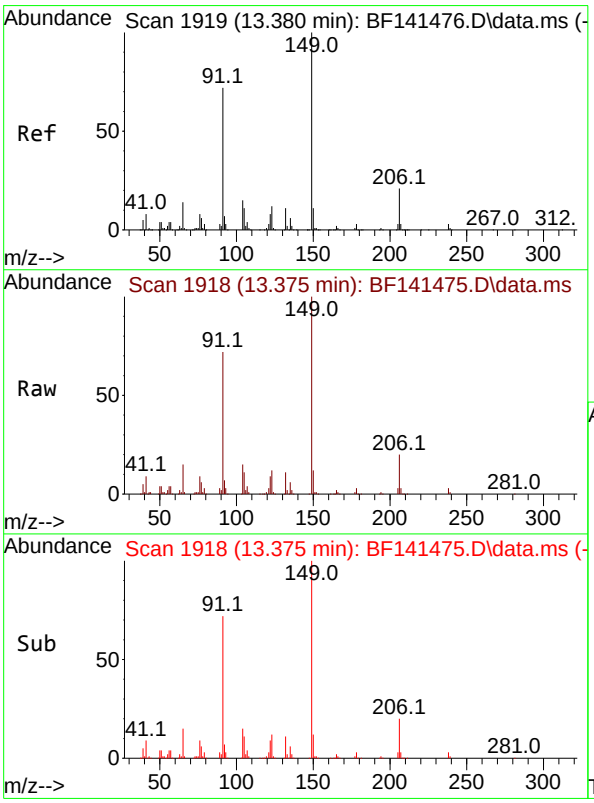
#79
Terphenyl-d14
Concen: 40.894 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

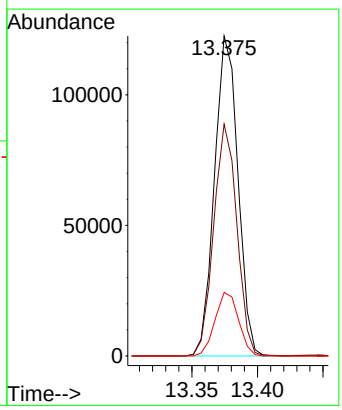


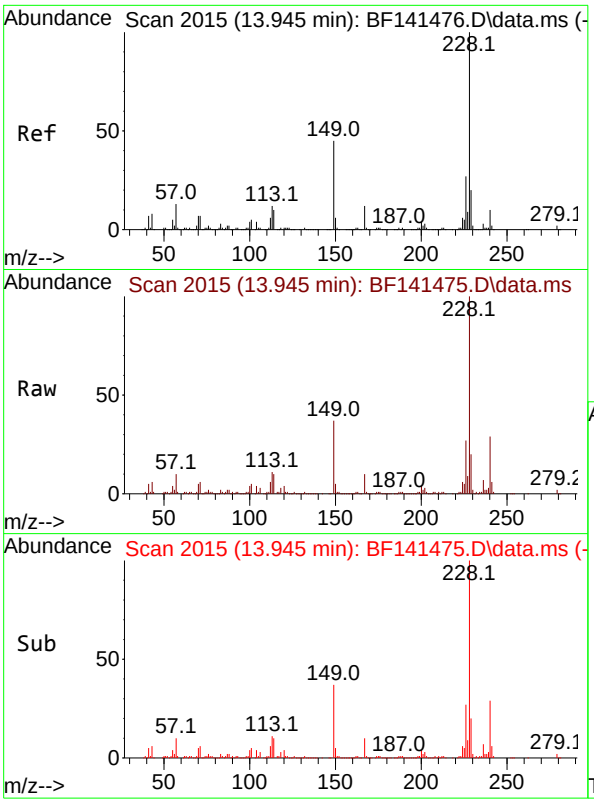


#80
Butylbenzylphthalate
Concen: 20.502 ng
RT: 13.375 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



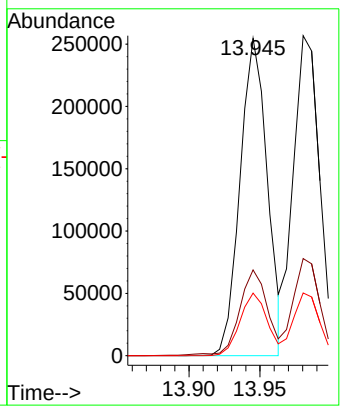


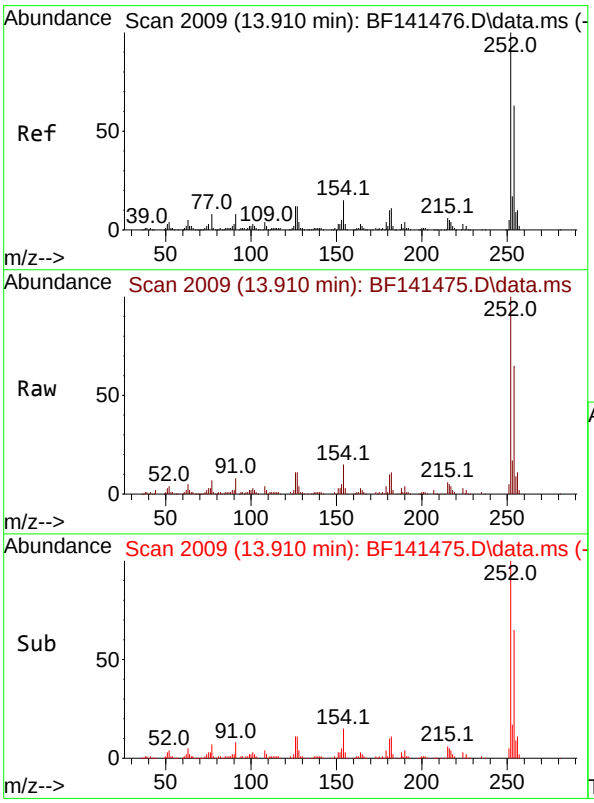
#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

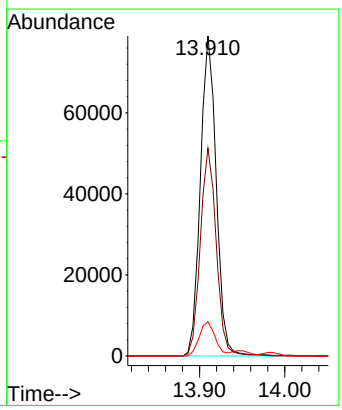


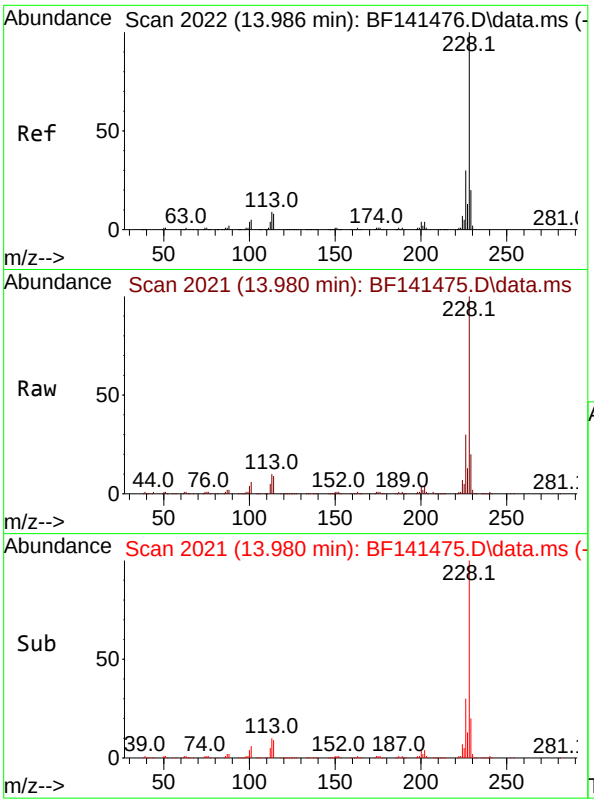


#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



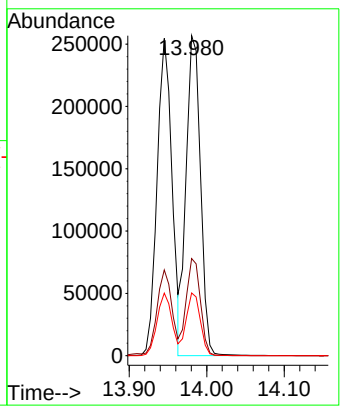


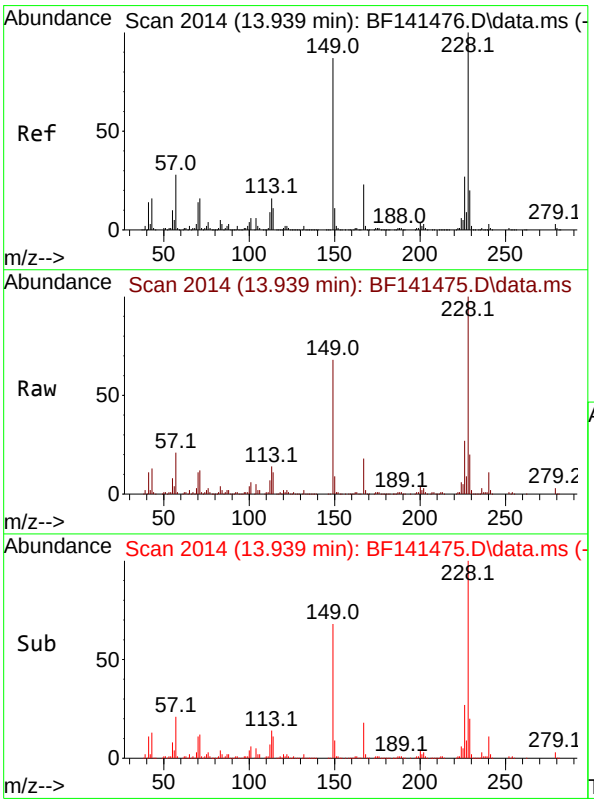
#83
Chrysene
Concen: 21.411 ng
RT: 13.980 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

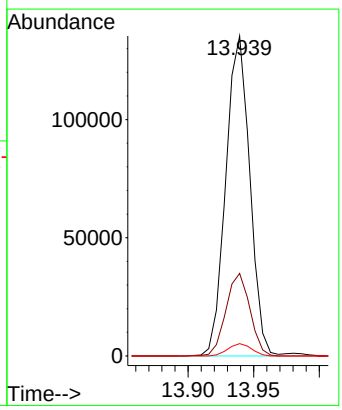


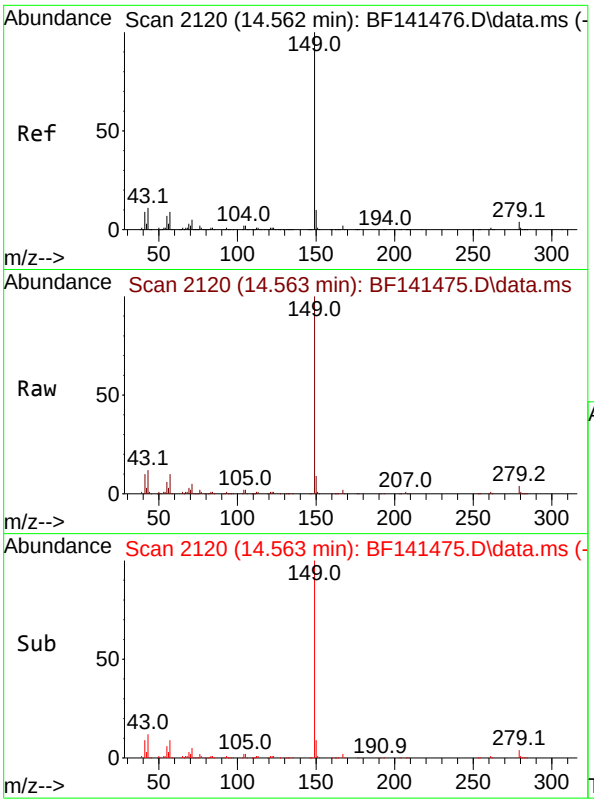


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.588 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



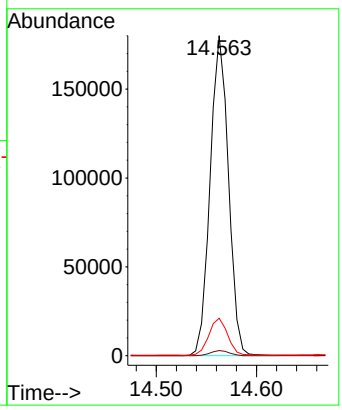


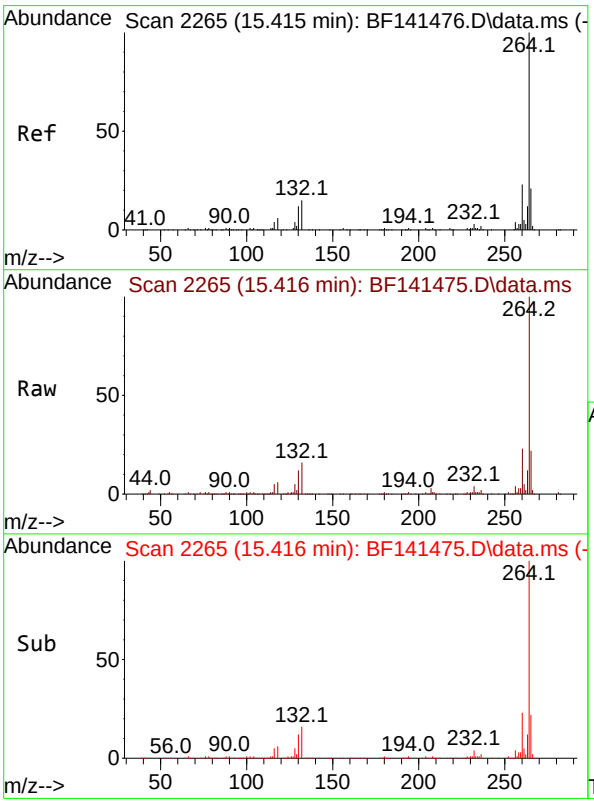
#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

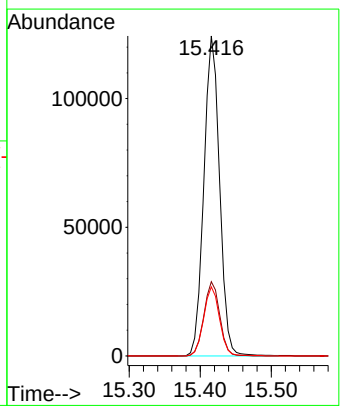


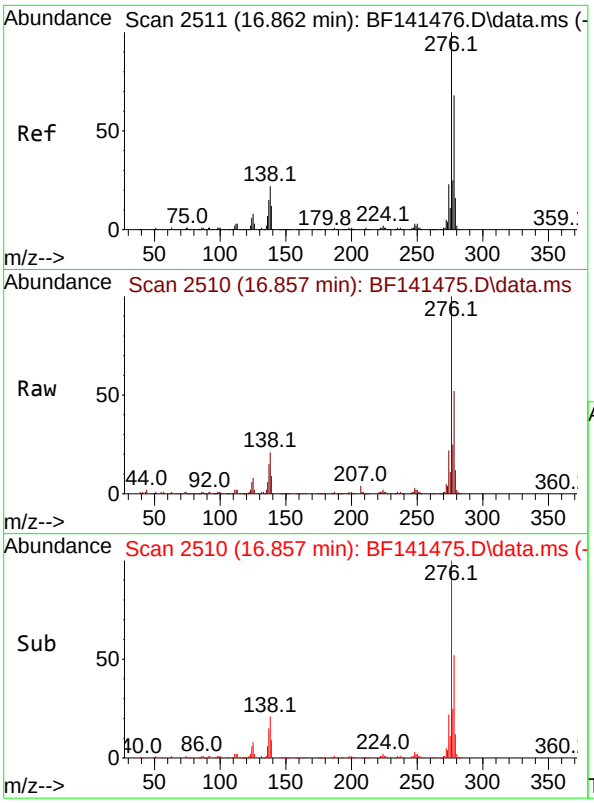


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



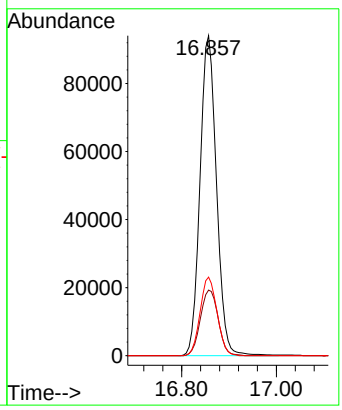


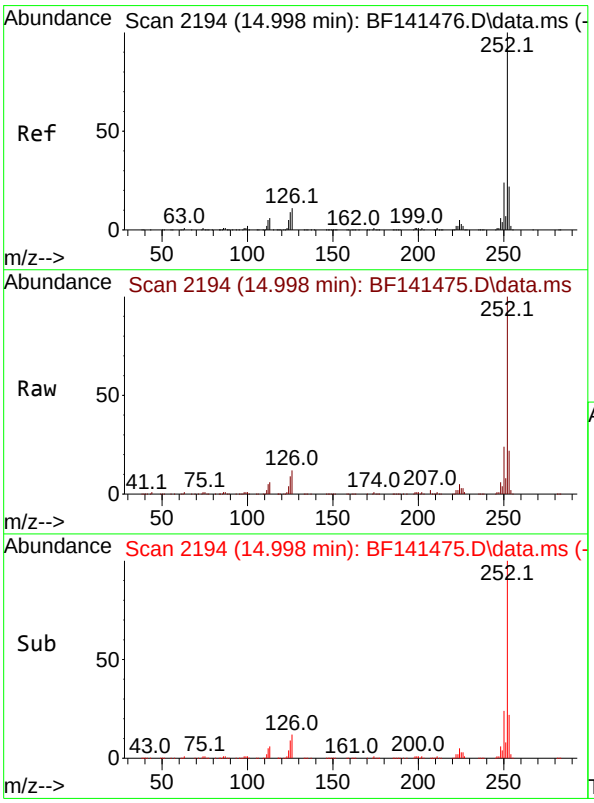
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.200 ng
RT: 16.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

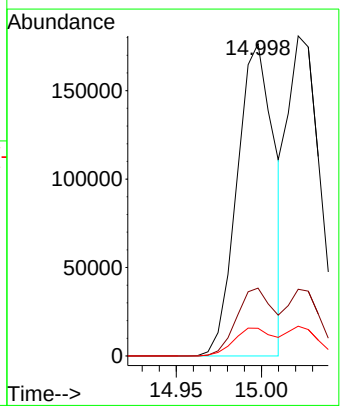


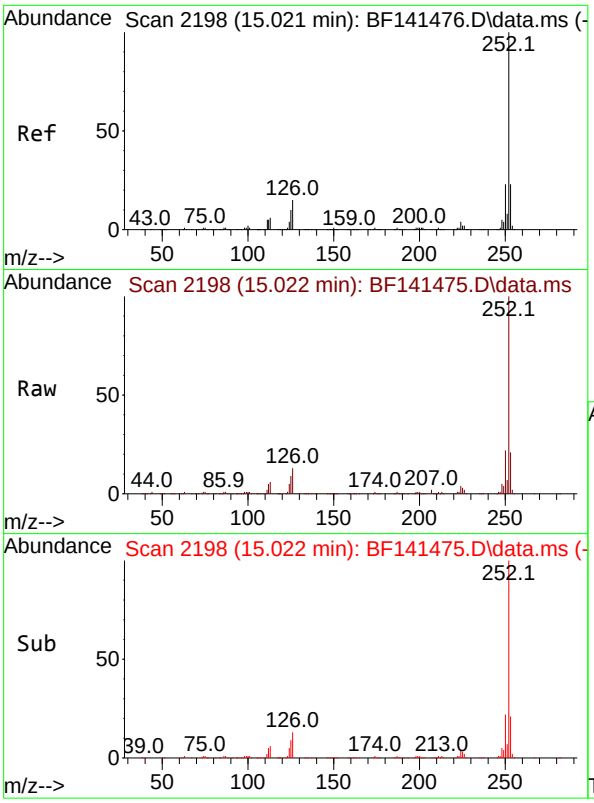


#88
Benzo(b)fluoranthene
Concen: 20.826 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



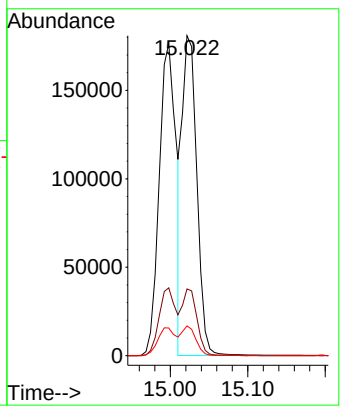


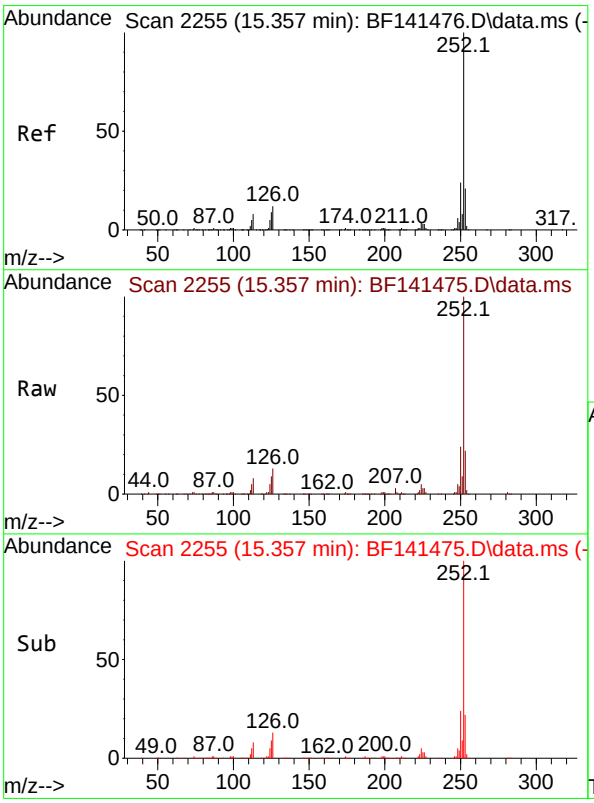
#89
Benzo(k)fluoranthene
Concen: 21.747 ng
RT: 15.022 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

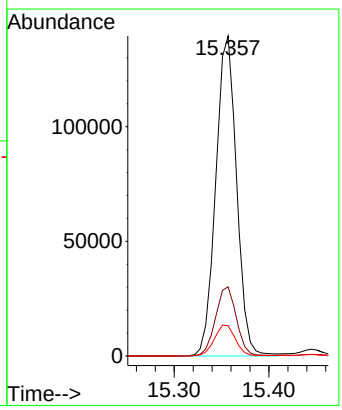


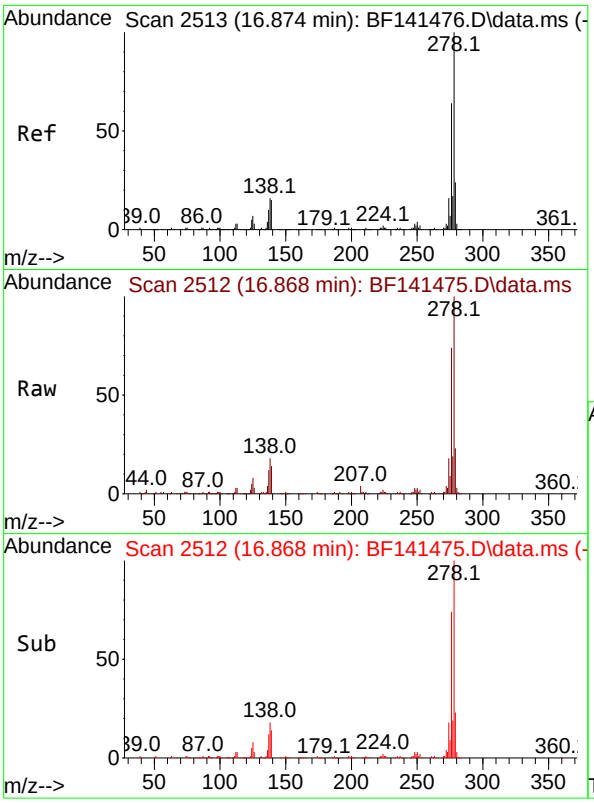


#90
Benzo(a)pyrene
Concen: 20.528 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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



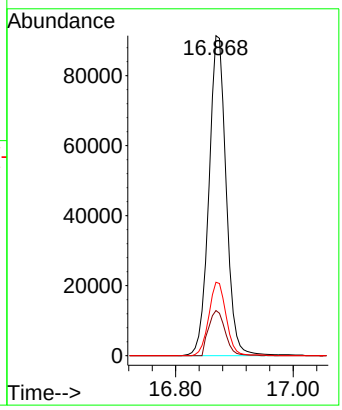


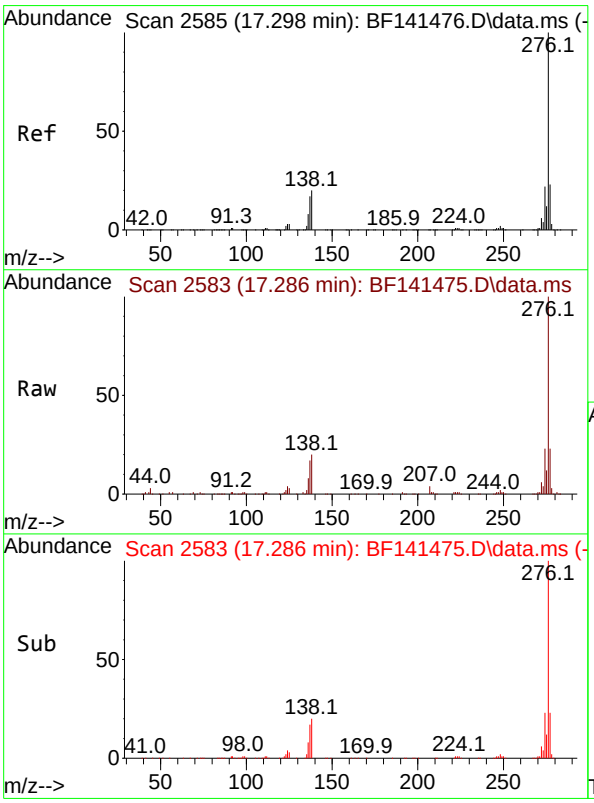
#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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

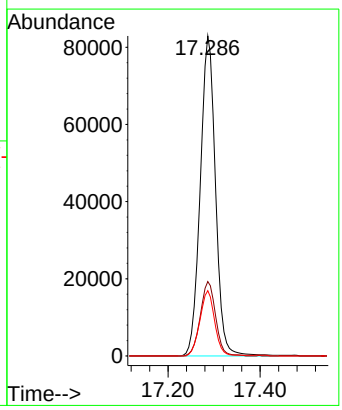




#92
Benzo(g,h,i)perylene
Concen: 19.103 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

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 (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141691.D
Acq On : 19 Feb 2025 23:06
Operator : RC/JU
Sample : Q1383-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Quant Time: Feb 20 00:16:30 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	6.781	152	91383	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	356803	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	191594	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	315237	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	173447	20.000	ng	-0.02
86) Perylene-d12	15.380	264	184904	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	490441	84.139	ng	0.00
7) Phenol-d6	6.422	99	609238	82.695	ng	-0.02
23) Nitrobenzene-d5	7.345	82	390191	57.039	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	165124	85.794	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	753926	60.625	ng	-0.02
79) Terphenyl-d14	12.880	244	737462	71.778	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.563	88	101123	43.104	ng	98
3) Pyridine	3.287	79	227652	40.779	ng	92
4) n-Nitrosodimethylamine	3.240	42	138761	37.538	ng	89
6) Aniline	6.445	93	198915	28.783	ng	87
8) 2-Chlorophenol	6.569	128	270716	42.982	ng	99
9) Benzaldehyde	6.328	77	115667	29.545	ng	98
10) Phenol	6.440	94	326566	42.588	ng	90
11) bis(2-Chloroethyl)ether	6.516	93	248163	43.088	ng	99
12) 1,3-Dichlorobenzene	6.722	146	283509	42.637	ng	97
13) 1,4-Dichlorobenzene	6.798	146	286870	42.226	ng	98
14) 1,2-Dichlorobenzene	6.951	146	272588	43.231	ng	99
15) Benzyl Alcohol	6.928	79	222989	39.470	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	387829	39.337	ng	80
17) 2-Methylphenol	7.045	107	208590	42.320	ng	97
18) Hexachloroethane	7.287	117	106931	42.530	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	182558	41.426	ng	95
20) 3+4-Methylphenols	7.198	107	271902	43.408	ng	94
22) Acetophenone	7.192	105	405595	45.697	ng	95
24) Nitrobenzene	7.363	77	276454	41.444	ng	100
25) Isophorone	7.604	82	490001	44.924	ng	99
26) 2-Nitrophenol	7.681	139	143090	43.116	ng	96
27) 2,4-Dimethylphenol	7.722	122	210930	54.405	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	299943	42.915	ng	99
29) 2,4-Dichlorophenol	7.928	162	222545	42.483	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	241030	42.253	ng	100
31) Naphthalene	8.087	128	775721	41.766	ng	100
32) Benzoic acid	7.863	122	135395	33.621	ng	96
33) 4-Chloroaniline	8.145	127	50619	7.806	ng	98
34) Hexachlorobutadiene	8.198	225	149026	43.516	ng	99
35) Caprolactam	8.551	113	23178	14.532	ng	92
36) 4-Chloro-3-methylphenol	8.634	107	236342	40.730	ng	98
37) 2-Methylnaphthalene	8.775	142	488399	40.410	ng	99
38) 1-Methylnaphthalene	8.875	142	472328	40.350	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	264867	47.784	ng	98
41) Hexachlorocyclopentadiene	8.928	237	233821	126.824	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	152206	42.485	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141691.D
Acq On : 19 Feb 2025 23:06
Operator : RC/JU
Sample : Q1383-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Quant Time: Feb 20 00:16:30 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	9.104	196	161058	41.481	ng	98
46) 1,1'-Biphenyl	9.239	154	695306	46.810	ng	99
47) 2-Chloronaphthalene	9.263	162	477930	43.511	ng	99
48) 2-Nitroaniline	9.363	65	150715	40.886	ng	96
49) Acenaphthylene	9.681	152	733342	44.887	ng	100
50) Dimethylphthalate	9.539	163	560273	43.075	ng	100
51) 2,6-Dinitrotoluene	9.604	165	123670	43.494	ng	98
52) Acenaphthene	9.851	154	456548	41.567	ng	99
53) 3-Nitroaniline	9.775	138	65848	21.517	ng	99
54) 2,4-Dinitrophenol	9.892	184	111818	66.168	ng	89
55) Dibenzofuran	10.022	168	665170	41.259	ng	99
56) 4-Nitrophenol	9.957	139	171082	75.307	ng	92
57) 2,4-Dinitrotoluene	10.010	165	165008	43.593	ng	100
58) Fluorene	10.363	166	528335	42.384	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	135703	40.597	ng	94
60) Diethylphthalate	10.239	149	537334	41.988	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	258751	43.147	ng	98
62) 4-Nitroaniline	10.392	138	119535	38.467	ng	95
63) Azobenzene	10.516	77	542497	42.642	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	78982	36.068	ng	94
66) n-Nitrosodiphenylamine	10.475	169	456846	45.272	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	156576	44.442	ng	98
68) Hexachlorobenzene	10.910	284	164848	45.439	ng	98
69) Atrazine	11.004	200	169018	55.831	ng	99
70) Pentachlorophenol	11.110	266	152558	65.764	ng	100
71) Phenanthrene	11.328	178	758154	43.692	ng	100
72) Anthracene	11.380	178	771214	44.212	ng	100
73) Carbazole	11.533	167	648043	41.289	ng	100
74) Di-n-butylphthalate	11.863	149	792615	43.736	ng	100
75) Fluoranthene	12.510	202	703158	38.222	ng	100
77) Benzidine	12.639	184	232481	60.775	ng	99
78) Pyrene	12.739	202	696703	47.186	ng	100
80) Butylbenzylphthalate	13.357	149	261679	51.167	ng	99
81) Benzo(a)anthracene	13.927	228	493567	42.809	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	102649	31.080	ng	99
83) Chrysene	13.963	228	466344	43.805	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	329913	57.197	ng	100
85) Di-n-octyl phthalate	14.527	149	479672	58.294	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	574071	50.247	ng	99
88) Benzo(b)fluoranthene	14.963	252	446800	35.988	ng	99
89) Benzo(k)fluoranthene	14.992	252	389100	36.702	ng	98
90) Benzo(a)pyrene	15.321	252	448618	44.656	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	465267	50.258	ng	99
92) Benzo(g,h,i)perylene	17.245	276	455897	47.060	ng	99

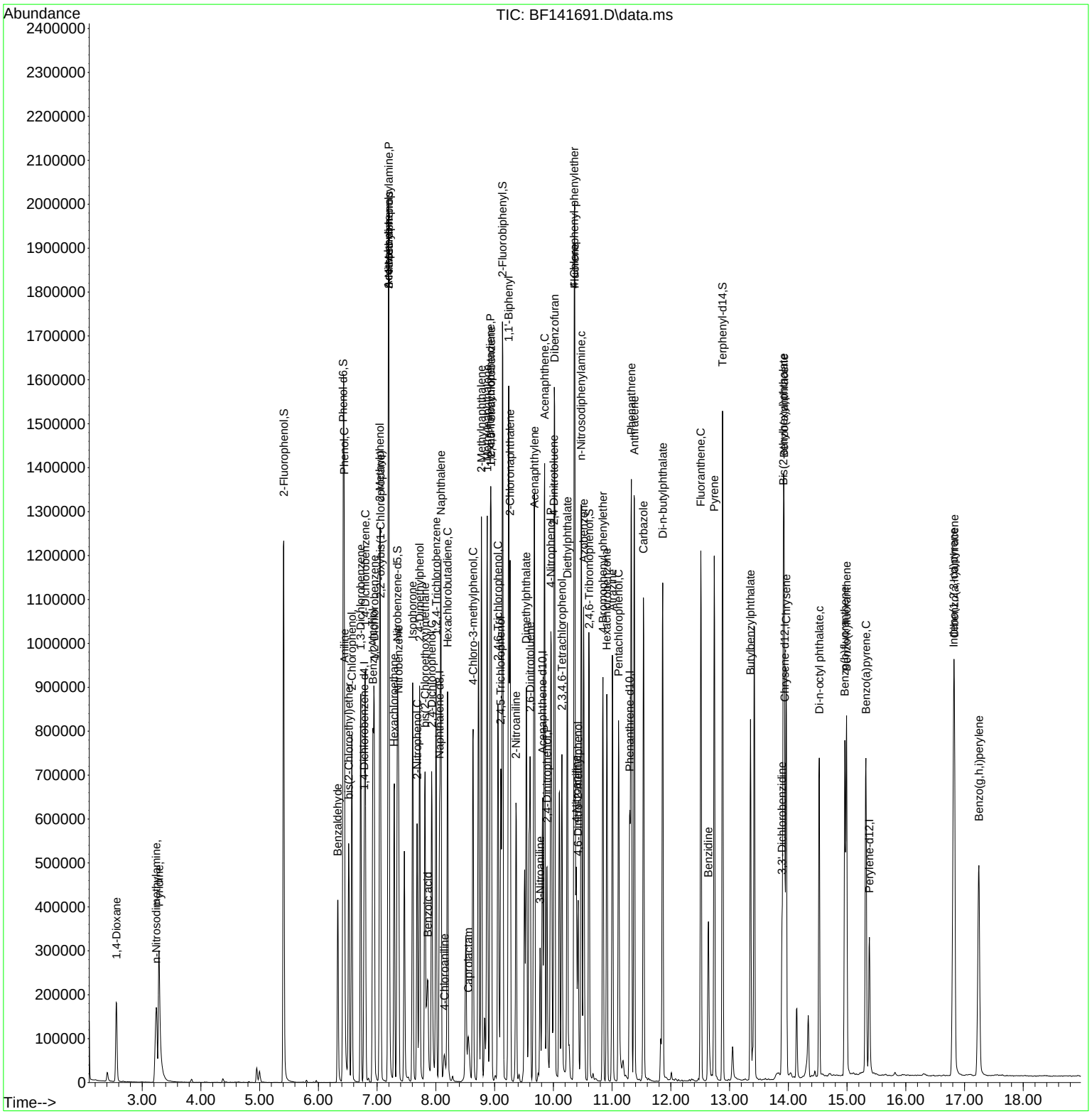
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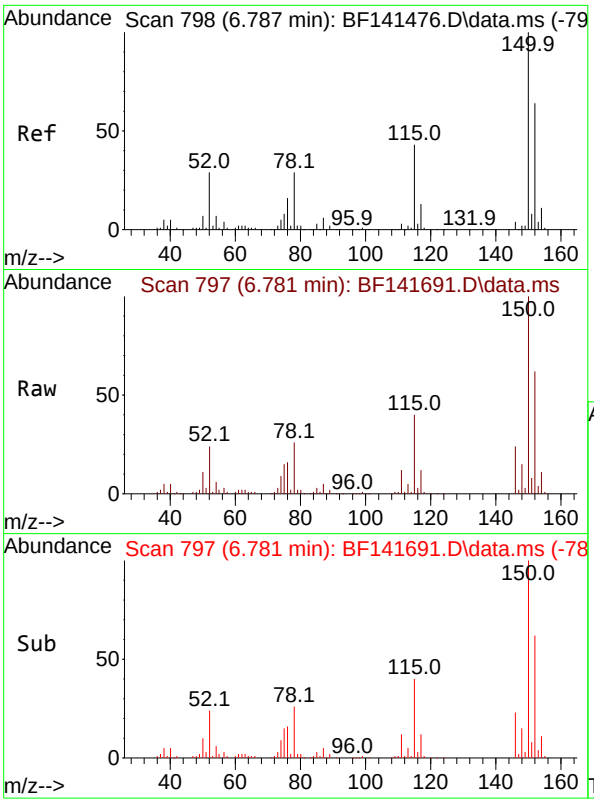
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141691.D
Acq On : 19 Feb 2025 23:06
Operator : RC/JU
Sample : Q1383-09MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Quant Time: Feb 20 00:16:30 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



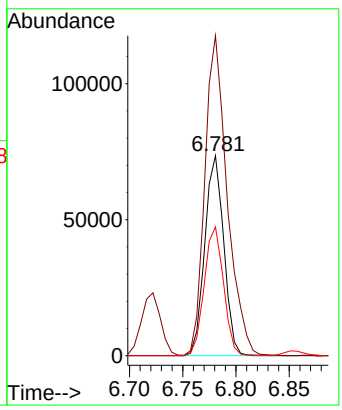


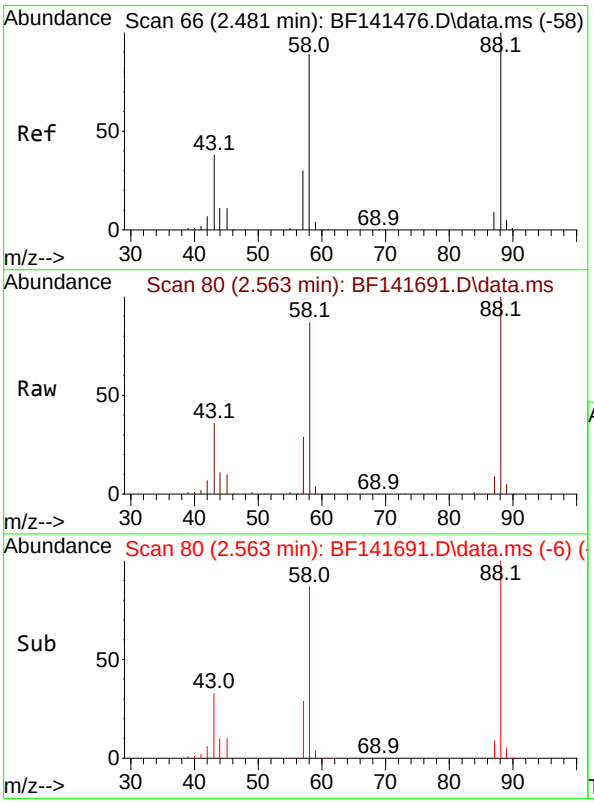
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:152 Resp: 91383

Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.0	187.4
115	64.5	53.6	80.4

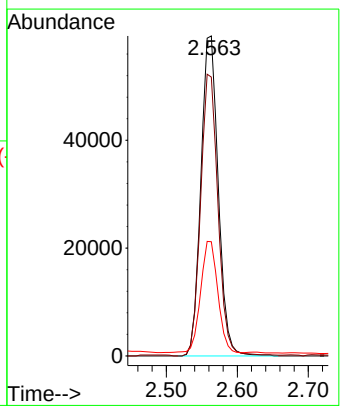


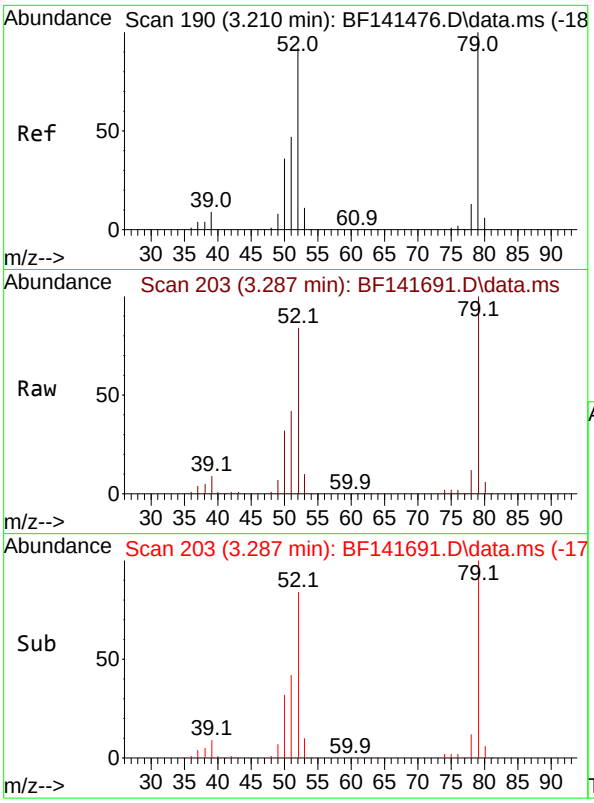


#2
1,4-Dioxane
Concen: 43.104 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.083 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 88 Resp: 101123

Ion	Ratio	Lower	Upper
88	100		
58	88.4	71.1	106.7
43	34.3	30.6	46.0



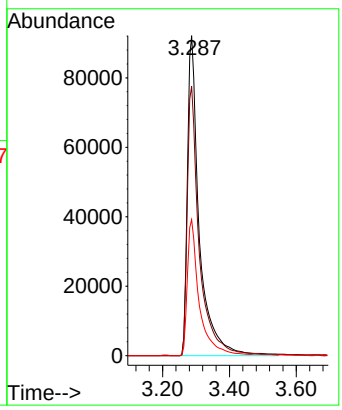


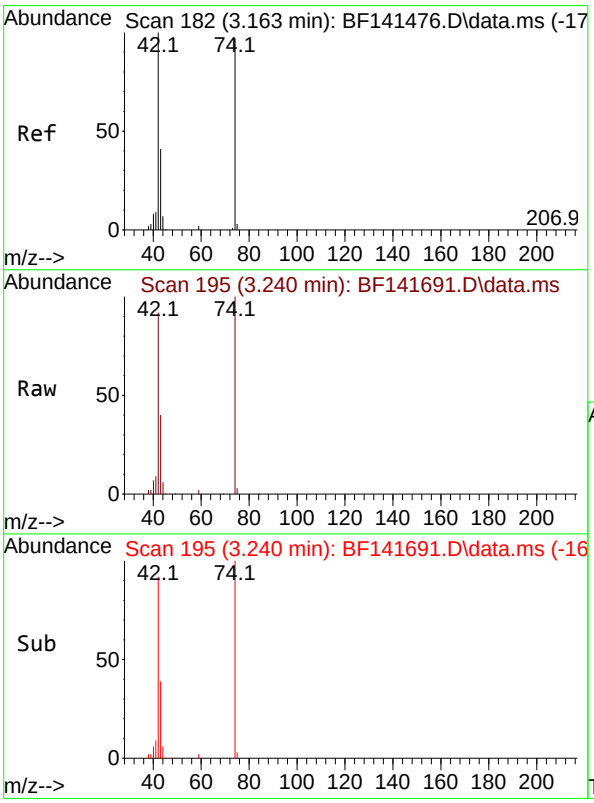
#3
Pyridine
Concen: 40.779 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.071 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 79 Resp: 227652

Ion	Ratio	Lower	Upper
79	100		
52	84.2	73.7	110.5
51	42.5	37.5	56.3

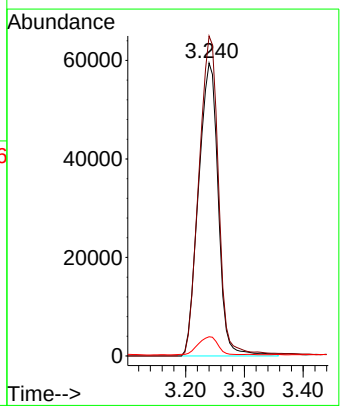


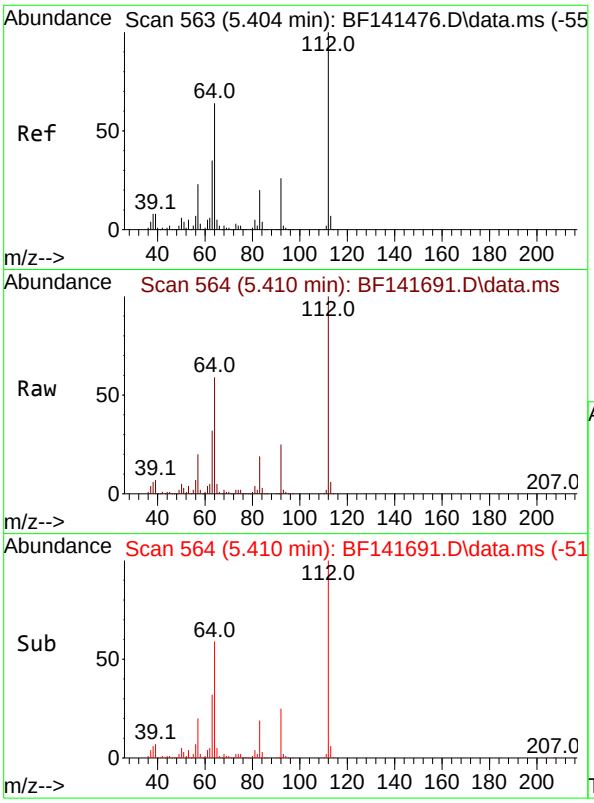


#4
n-Nitrosodimethylamine
Concen: 37.538 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 42 Resp: 138761

Ion	Ratio	Lower	Upper
42	100		
74	109.2	78.0	117.0
44	6.6	5.4	8.2



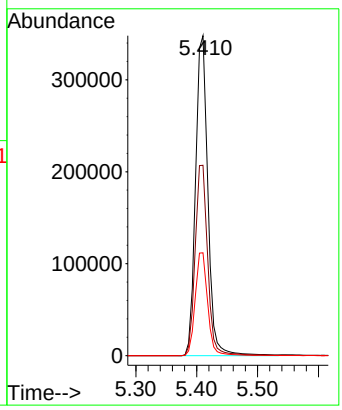


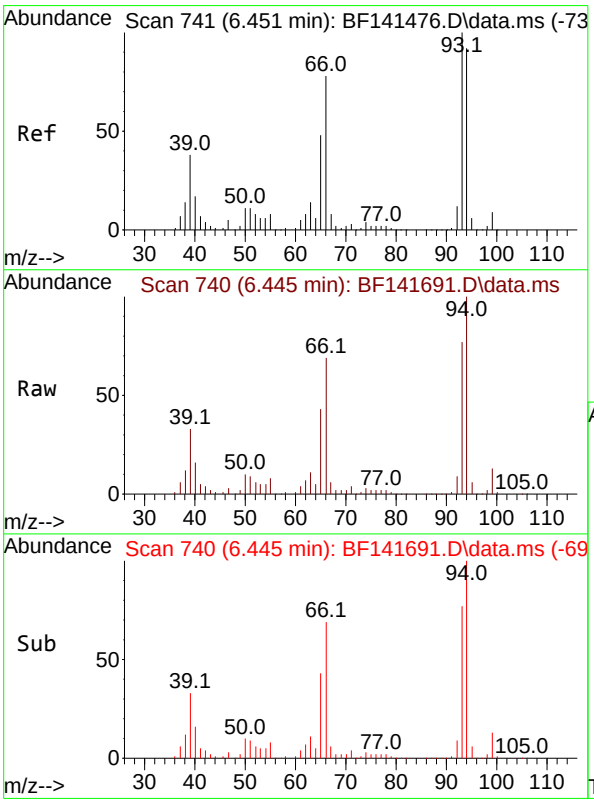
#5
2-Fluorophenol
Concen: 84.139 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:112 Resp: 490441

Ion	Ratio	Lower	Upper
112	100		
64	59.5	51.1	76.7
63	32.1	28.4	42.6

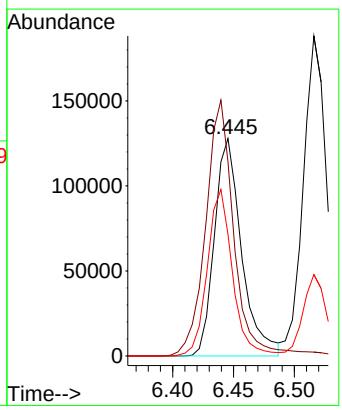


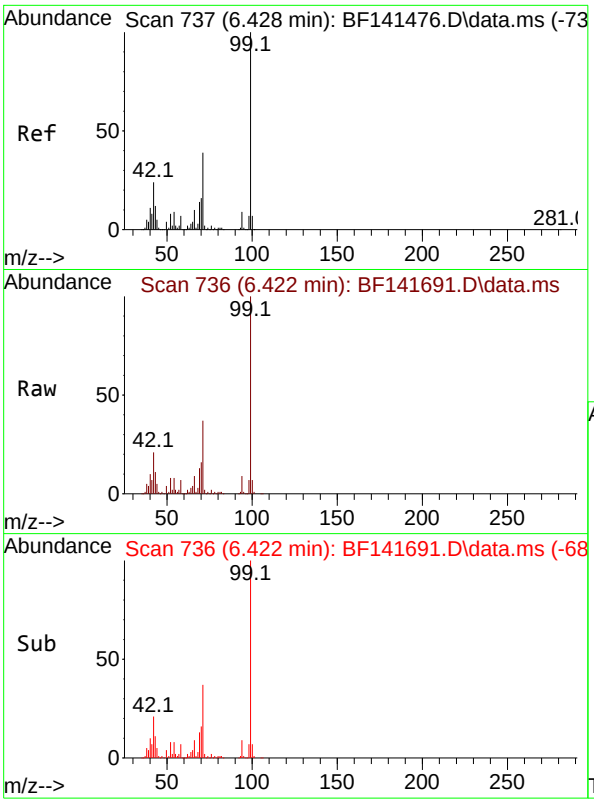


#6
Aniline
Concen: 28.783 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 93 Resp: 198915

Ion	Ratio	Lower	Upper
93	100		
66	89.5	62.6	94.0
65	56.1	38.3	57.5



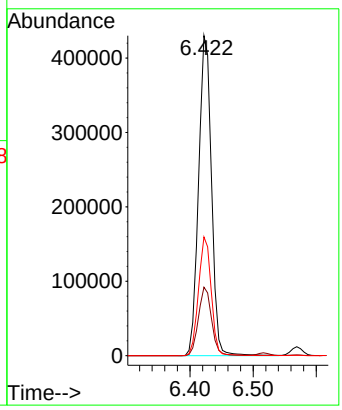


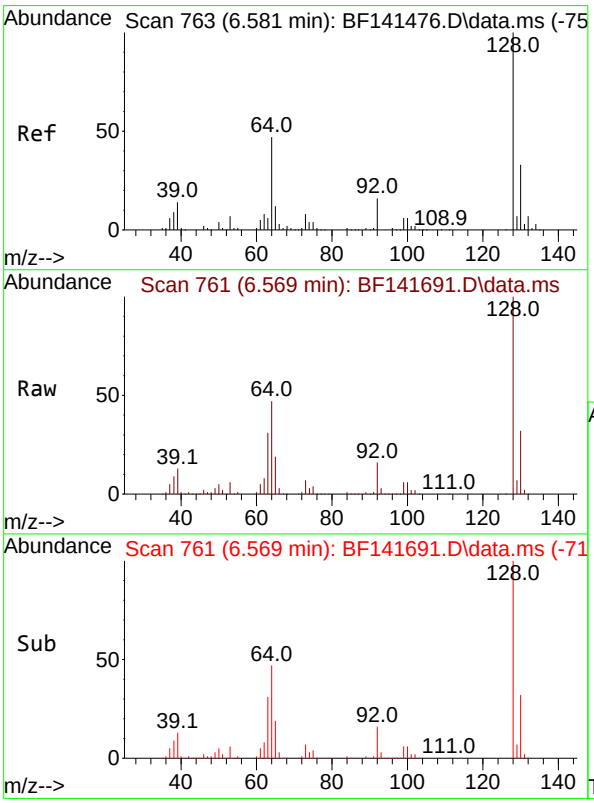
#7
Phenol-d6
Concen: 82.695 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 99 Resp: 609238

Ion	Ratio	Lower	Upper
99	100		
42	21.4	19.1	28.7
71	37.1	31.1	46.7

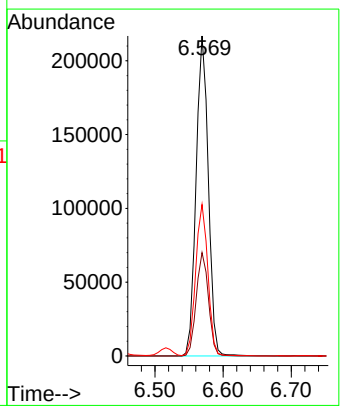


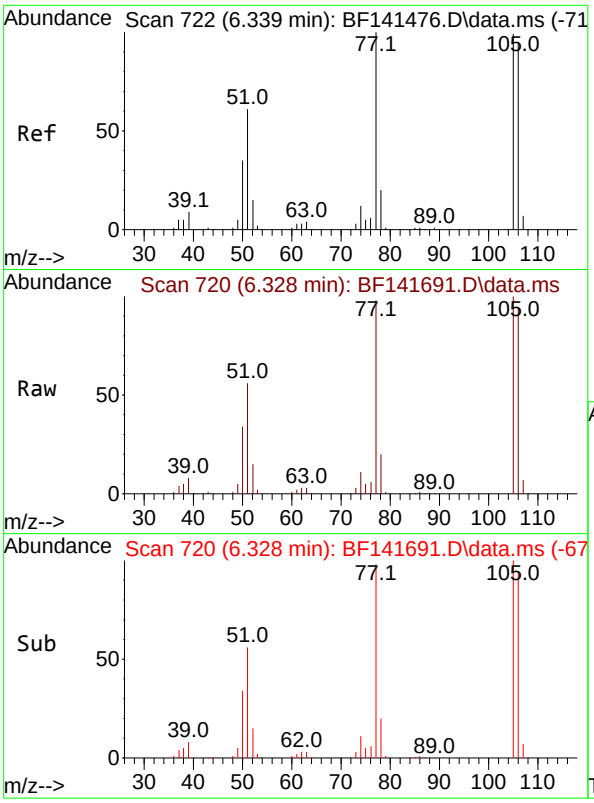


#8
2-Chlorophenol
Concen: 42.982 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:128 Resp: 270716

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	47.4	28.3	68.3



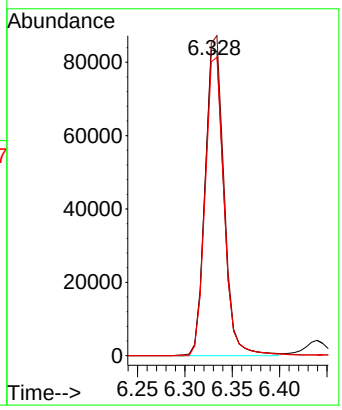


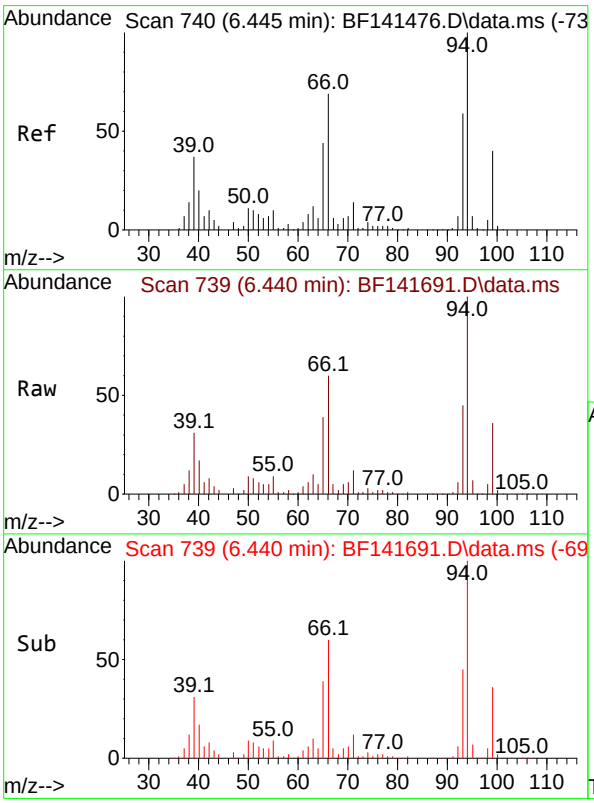
#9
Benzaldehyde
Concen: 29.545 ng
RT: 6.328 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 77 Resp: 115667

Ion	Ratio	Lower	Upper
77	100		
105	102.2	79.4	119.4
106	96.1	75.1	115.1

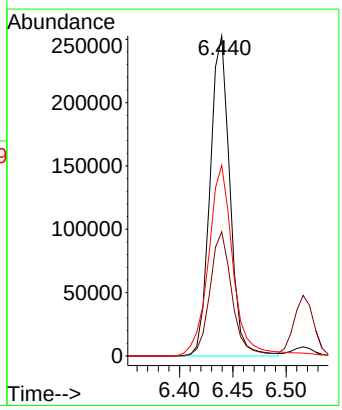


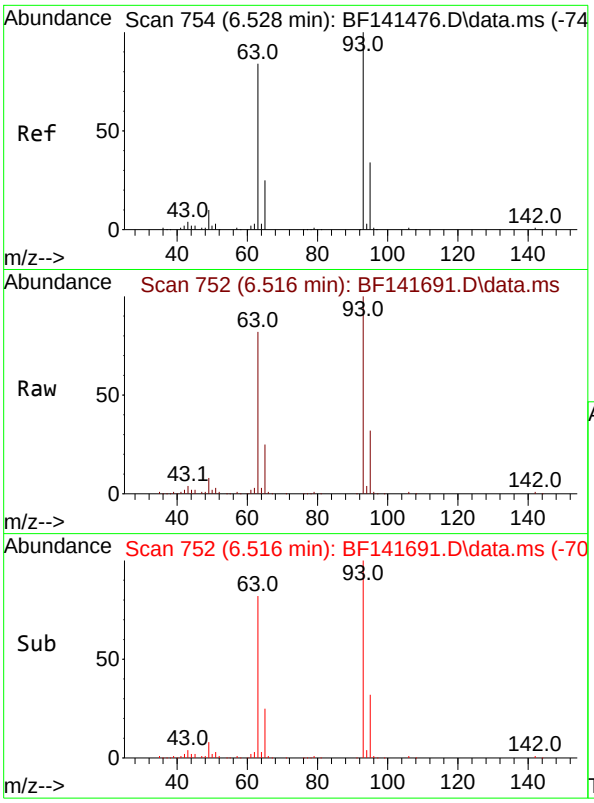


#10
Phenol
Concen: 42.588 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 94 Resp: 326566

Ion	Ratio	Lower	Upper
94	100		
65	38.8	23.7	63.7
66	59.6	49.3	89.3



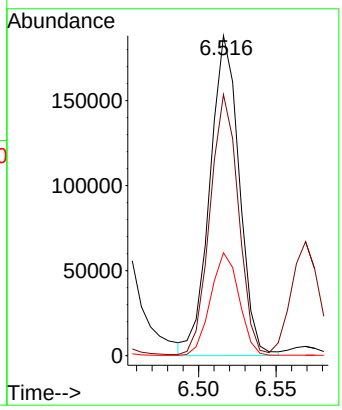


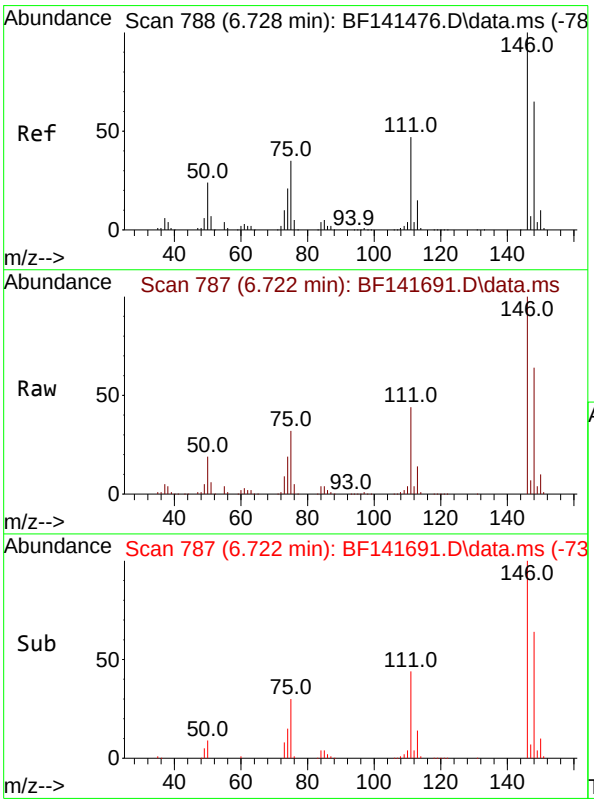
#11
bis(2-Chloroethyl)ether
Concen: 43.088 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 93 Resp: 248163

Ion	Ratio	Lower	Upper
93	100		
63	81.6	62.0	102.0
95	32.2	12.6	52.6

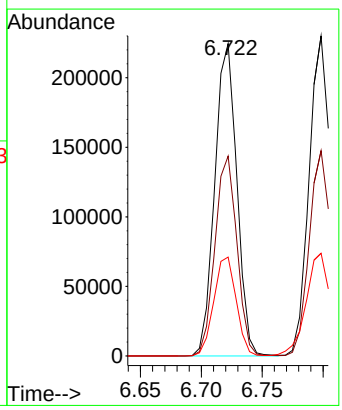


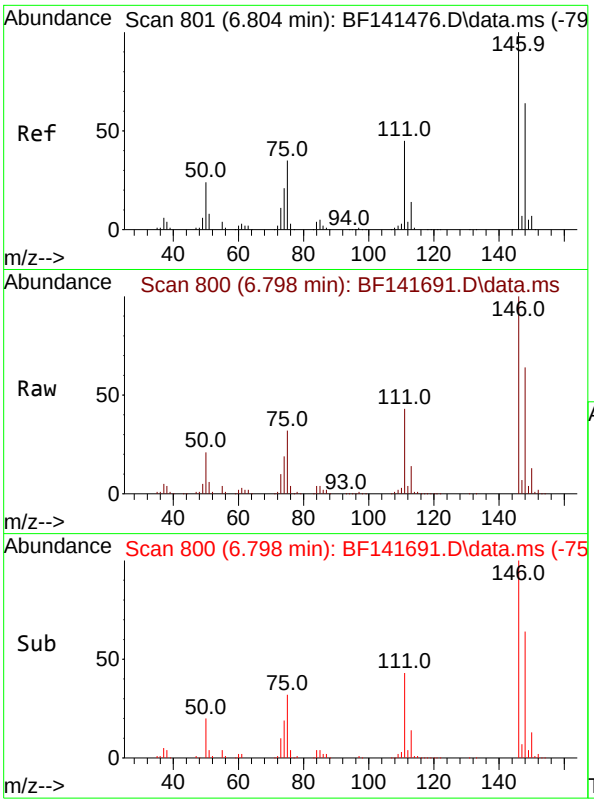


#12
1,3-Dichlorobenzene
Concen: 42.637 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:146 Resp: 283509

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	31.7	28.2	42.2



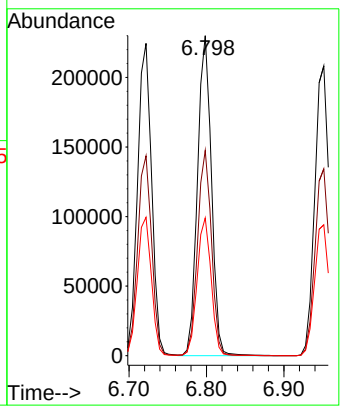


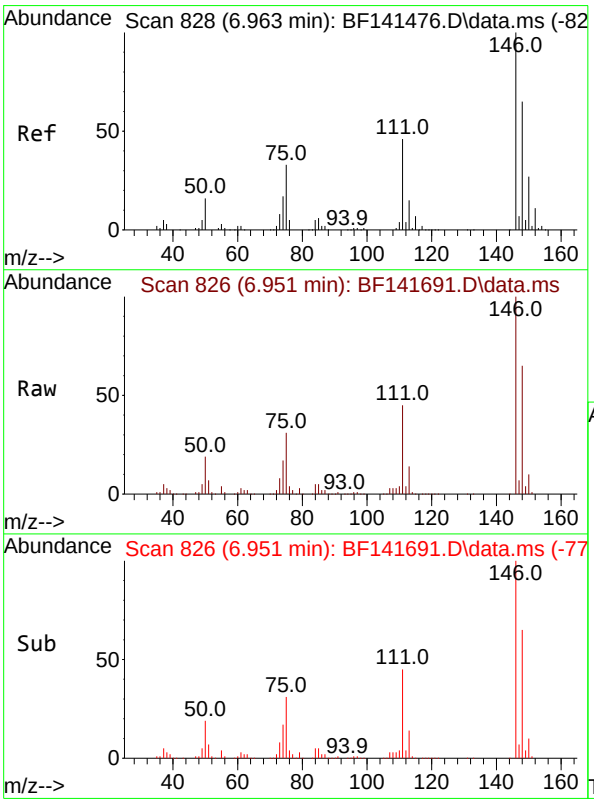
#13
1,4-Dichlorobenzene
Concen: 42.226 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:146 Resp: 286870

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	43.1	35.9	53.9

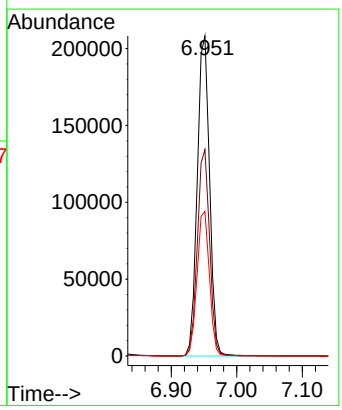


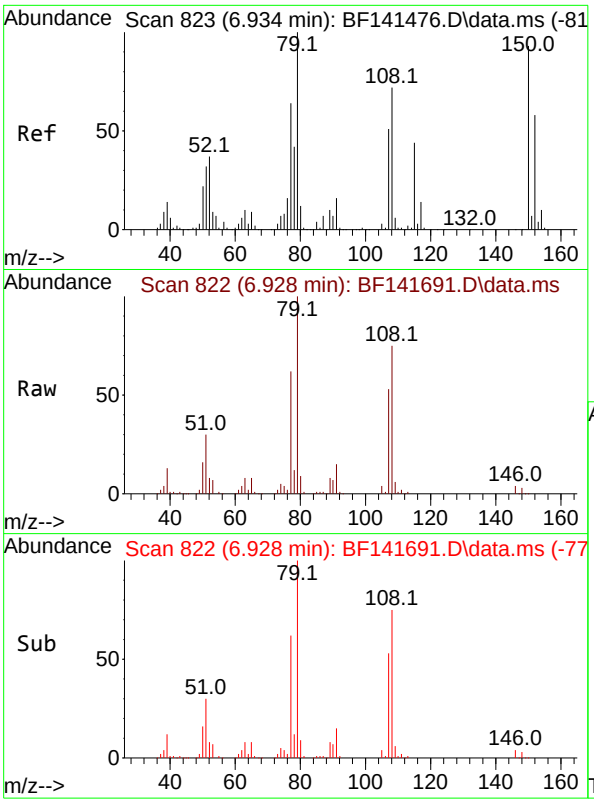


#14
1,2-Dichlorobenzene
Concen: 43.231 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:146 Resp: 272588

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
111	45.2	37.0	55.4



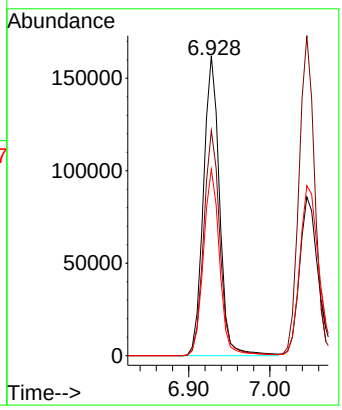


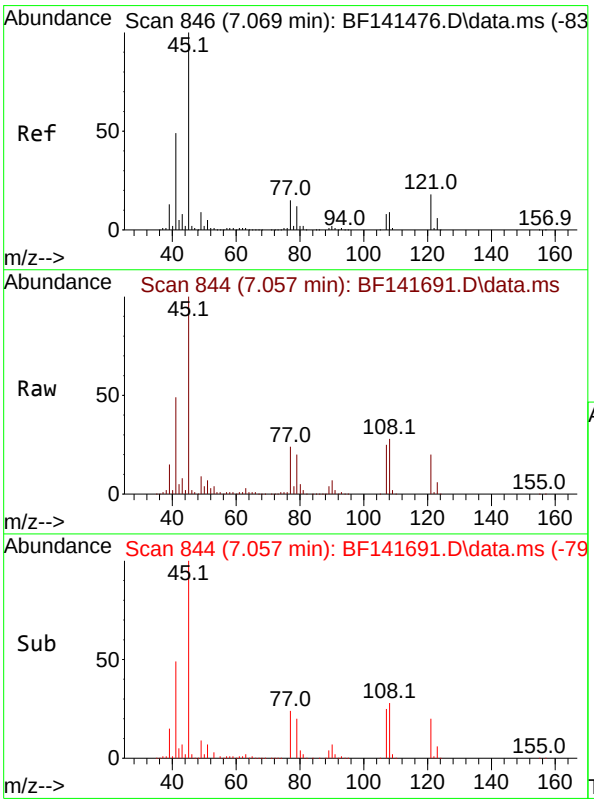
#15
Benzyl Alcohol
Concen: 39.470 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 79 Resp: 222989

Ion	Ratio	Lower	Upper
79	100		
108	75.1	57.4	86.2
77	62.1	50.9	76.3

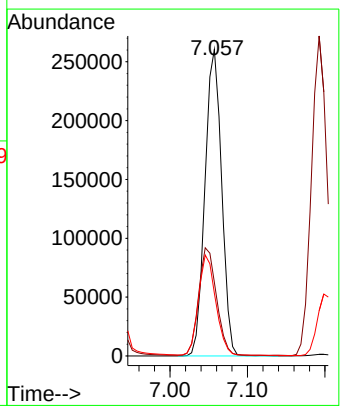


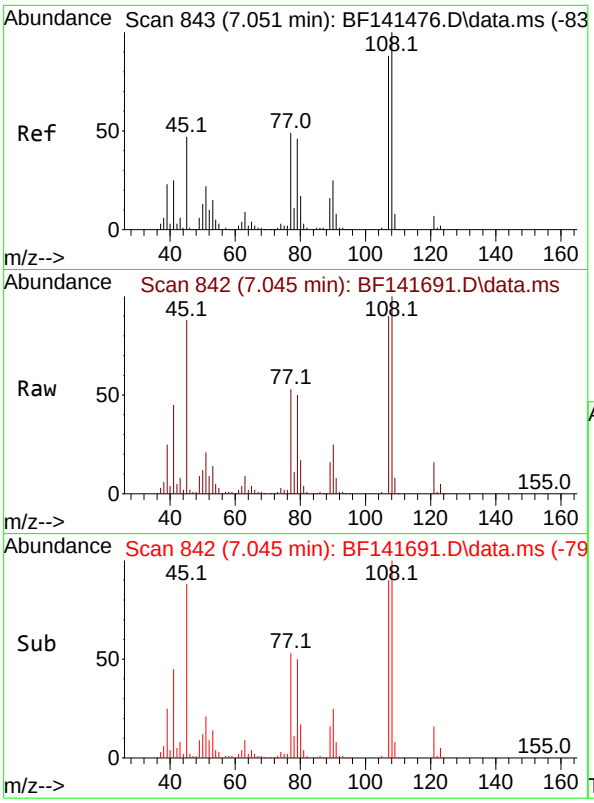


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.337 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 45 Resp: 387829

Ion	Ratio	Lower	Upper
45	100		
77	24.0	0.0	35.8
79	20.5	0.0	32.7



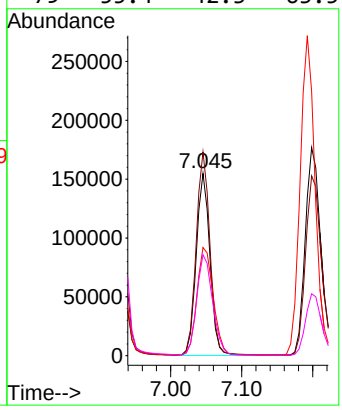


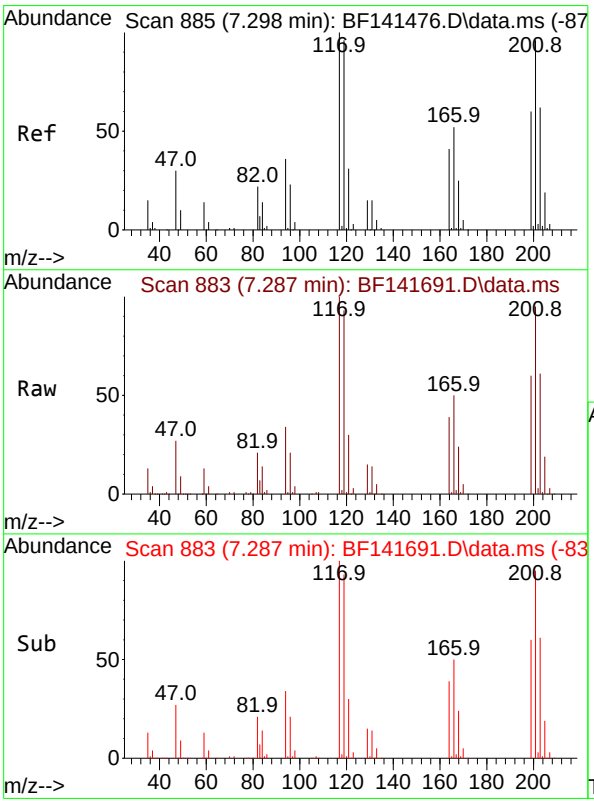
#17
2-Methylphenol
Concen: 42.320 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:107 Resp: 208590

Ion	Ratio	Lower	Upper
107	100		
108	111.7	90.6	136.0
77	59.3	44.4	66.6
79	55.4	42.3	63.5

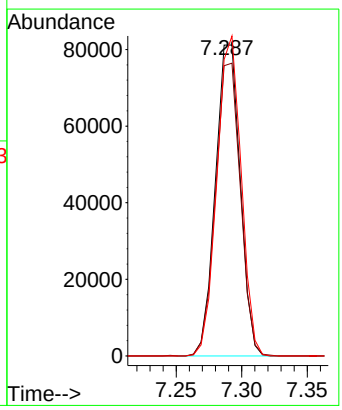


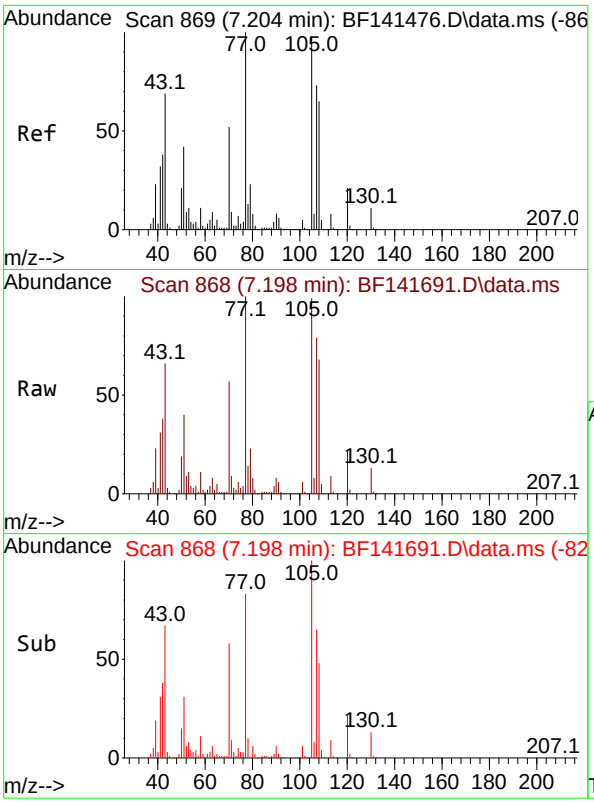


#18
Hexachloroethane
Concen: 42.530 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:117 Resp: 106931

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.5	114.7
201	95.3	76.7	115.1



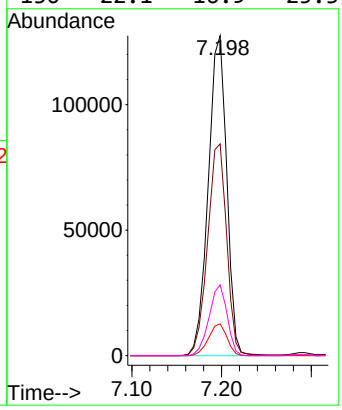


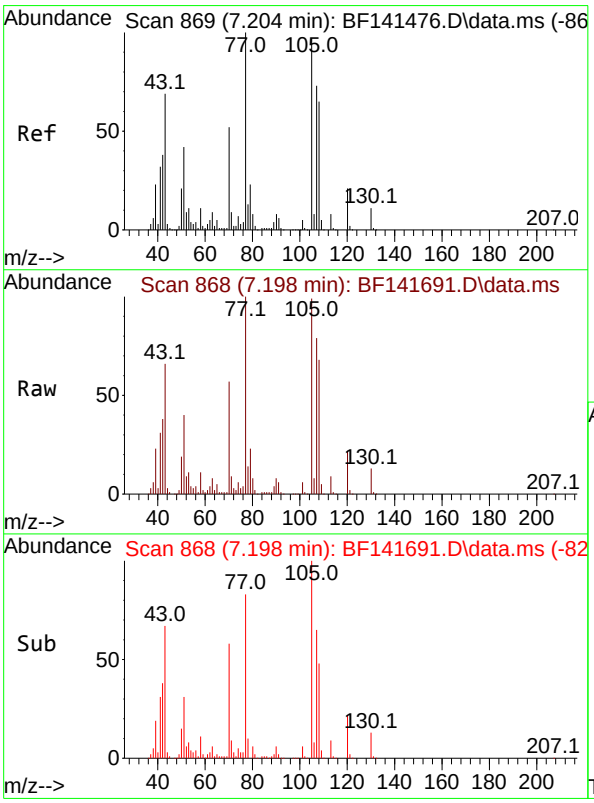
#19
n-Nitroso-di-n-propylamine
Concen: 41.426 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 70 Resp: 182558

Ion	Ratio	Lower	Upper
70	100		
42	66.2	57.4	86.2
101	9.9	8.0	12.0
130	22.1	16.9	25.3

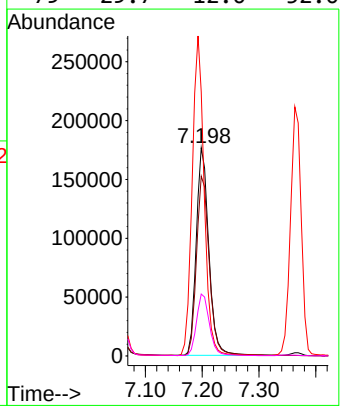


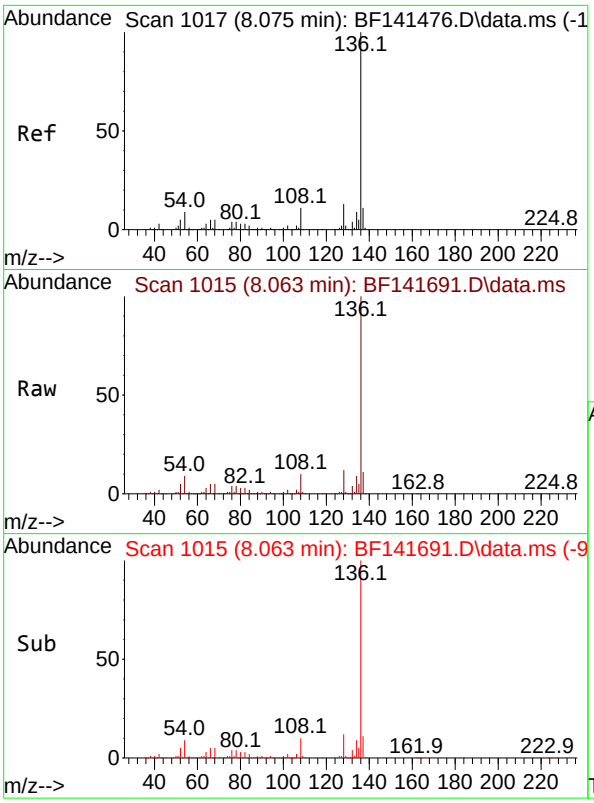


#20
3+4-Methylphenols
Concen: 43.408 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:107 Resp: 271902

Ion	Ratio	Lower	Upper
107	100		
108	86.4	68.5	108.5
77	126.8	116.5	156.5
79	29.7	12.0	52.0



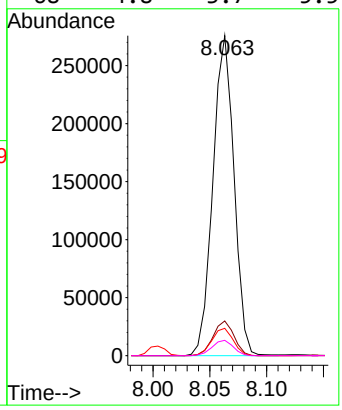


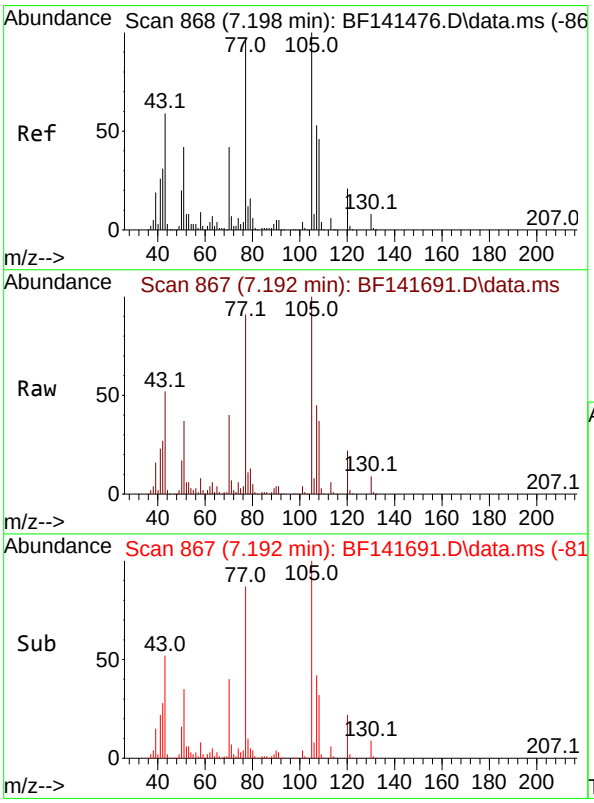
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:136 Resp: 356803

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	7.2	10.8
68	4.8	3.7	5.5

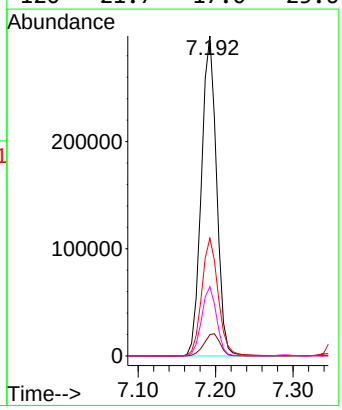


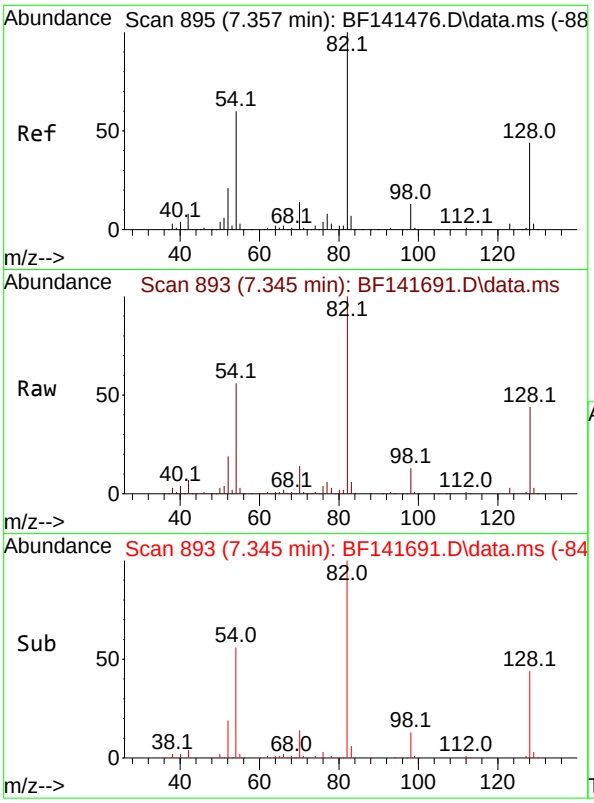


#22
Acetophenone
Concen: 45.697 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:105 Resp: 405595

Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.7	8.5
51	36.8	33.7	50.5
120	21.7	17.0	25.6



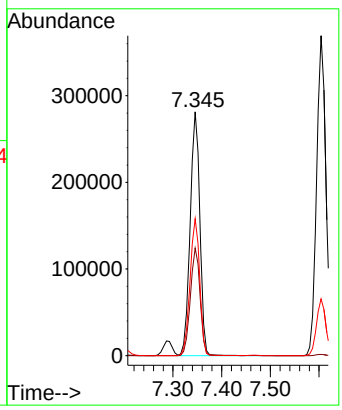


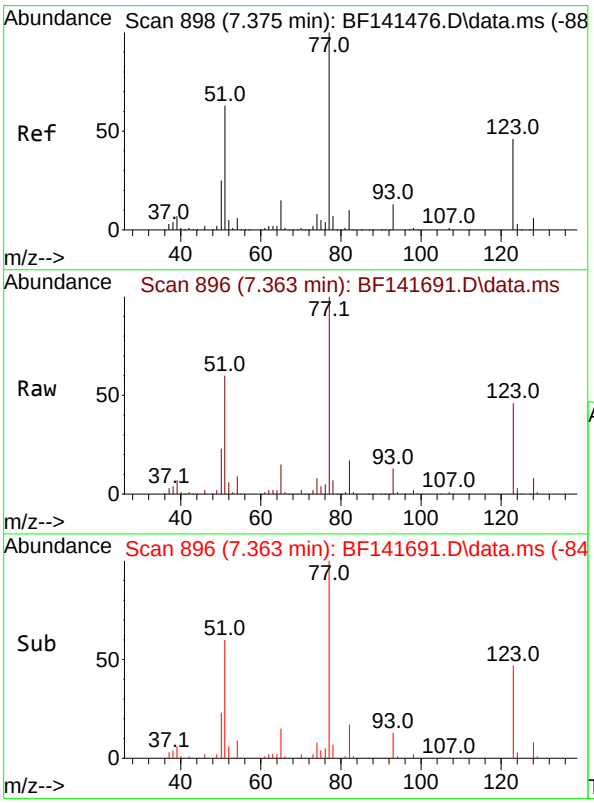
#23
Nitrobenzene-d5
Concen: 57.039 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 82 Resp: 390191

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.8	52.2
54	56.2	48.2	72.4

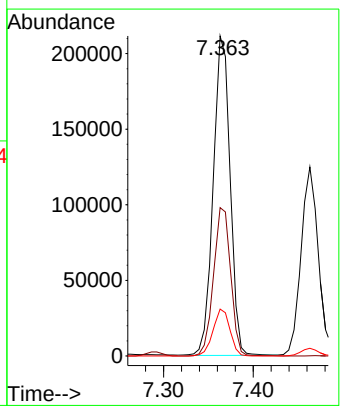


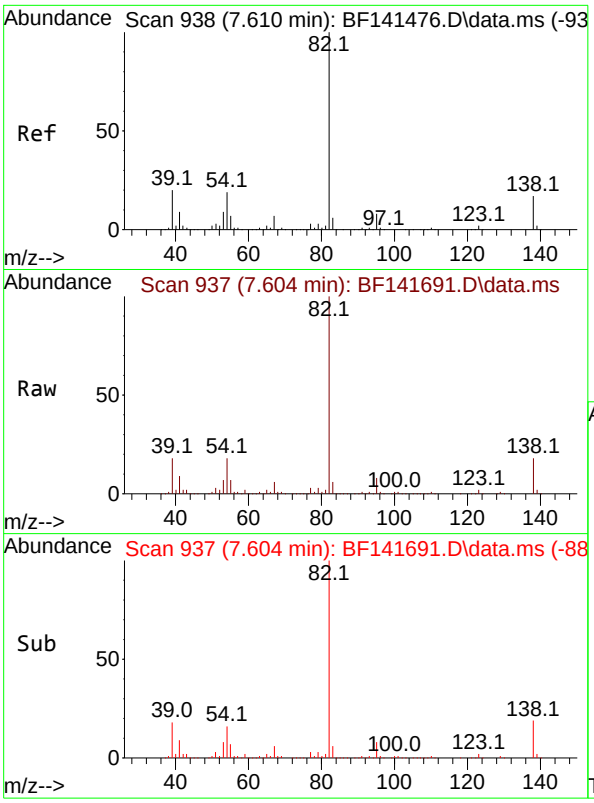


#24
Nitrobenzene
Concen: 41.444 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 77 Resp: 276454

Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	14.6	11.9	17.9



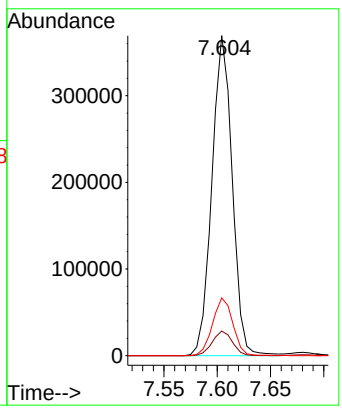


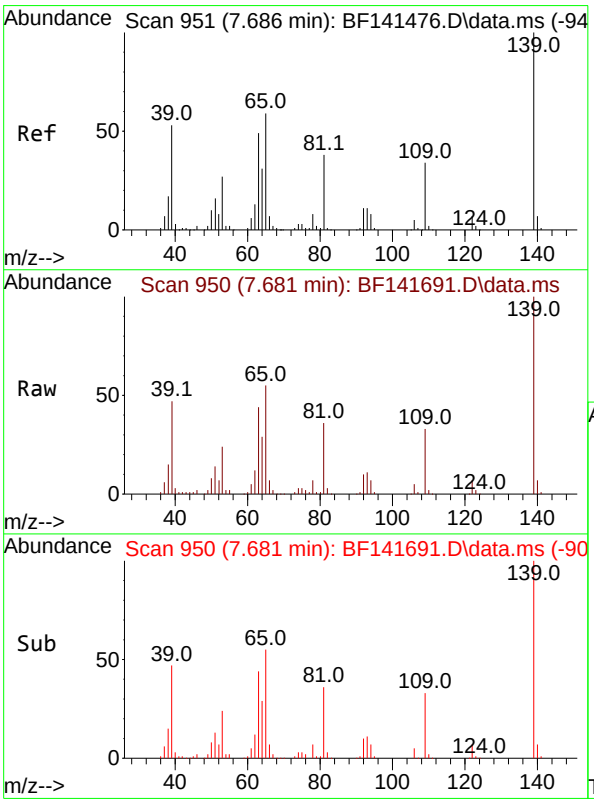
#25
Isophorone
Concen: 44.924 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 82 Resp: 490001

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.0	13.9	20.9

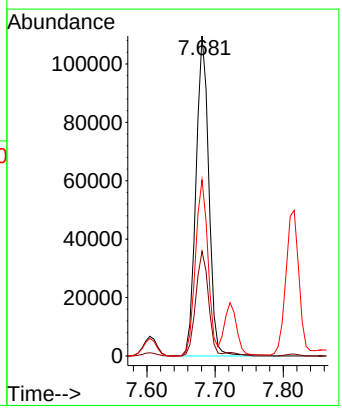


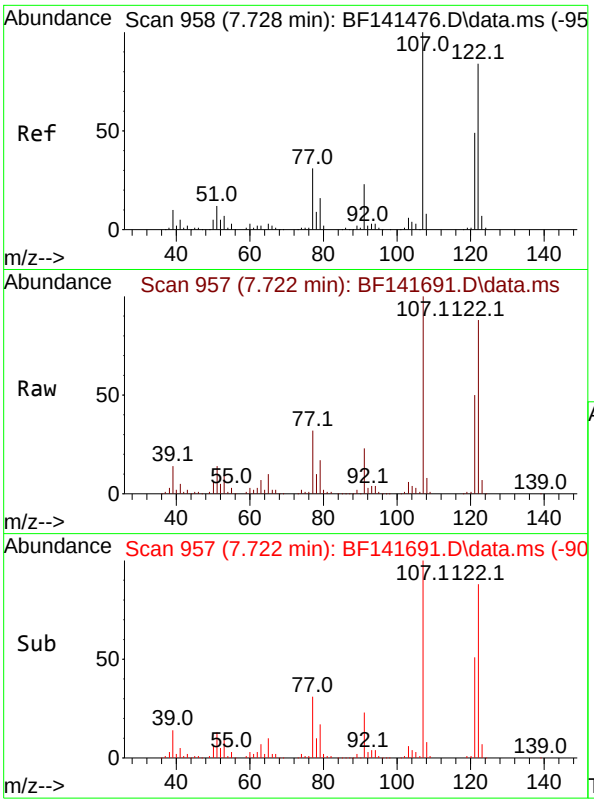


#26
2-Nitrophenol
Concen: 43.116 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:139 Resp: 143090

Ion	Ratio	Lower	Upper
139	100		
109	32.7	27.0	40.6
65	55.1	47.1	70.7



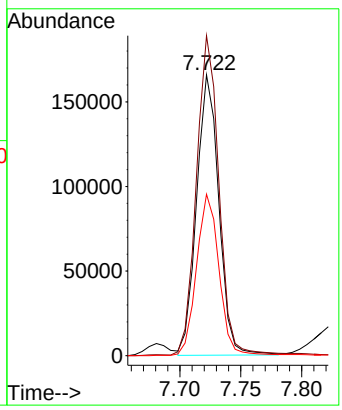


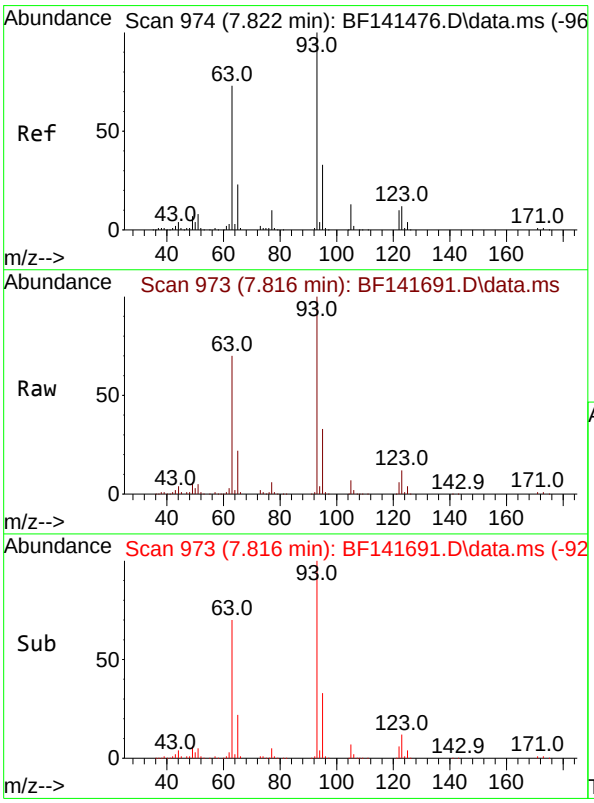
#27
2,4-Dimethylphenol
Concen: 54.405 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:122 Resp: 210930

Ion	Ratio	Lower	Upper
122	100		
107	114.0	94.3	141.5
121	57.5	46.0	69.0

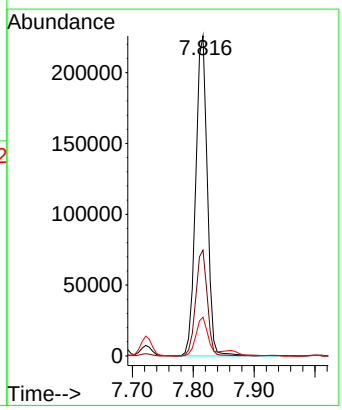


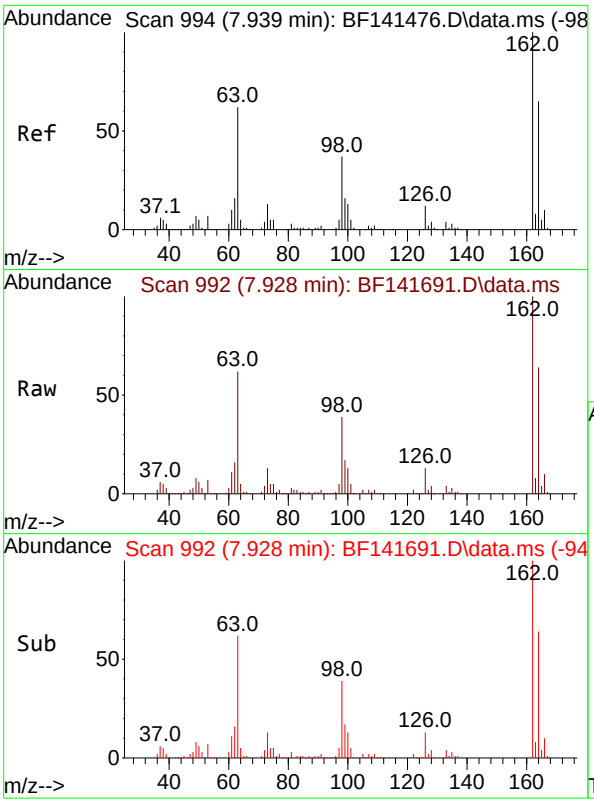


#28
bis(2-Chloroethoxy)methane
Concen: 42.915 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 93 Resp: 299943

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.1	39.1
123	12.1	9.5	14.3



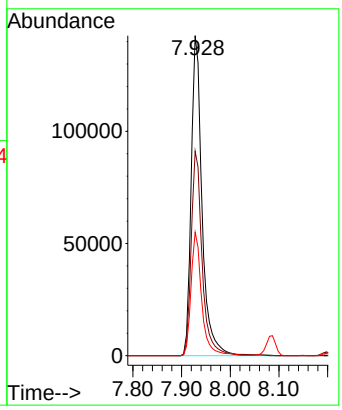


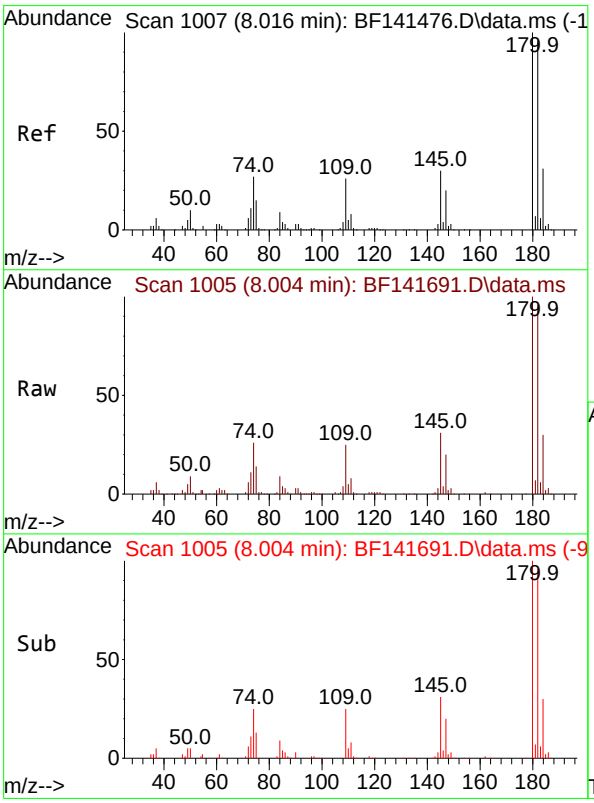
#29
2,4-Dichlorophenol
Concen: 42.483 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:162 Resp: 222545

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.6	84.6
98	38.6	17.2	57.2

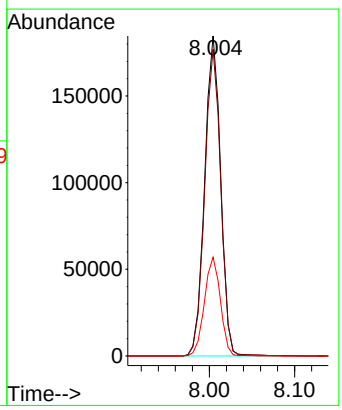


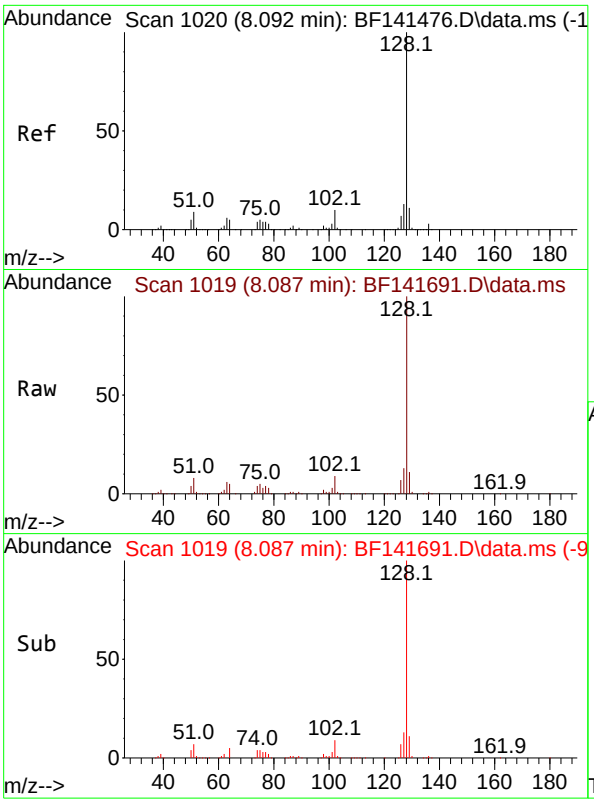


#30
1,2,4-Trichlorobenzene
Concen: 42.253 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:180 Resp: 241030

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	30.9	24.2	36.4



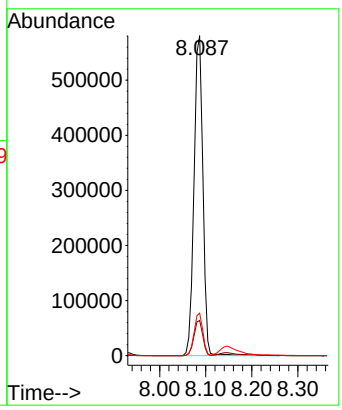


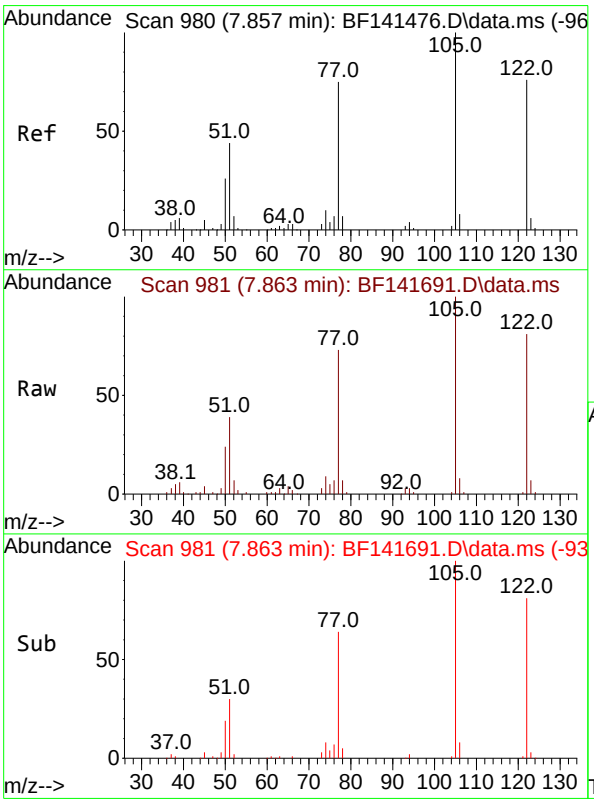
#31
Naphthalene
Concen: 41.766 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:128 Resp: 775721

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.3	10.7	16.1

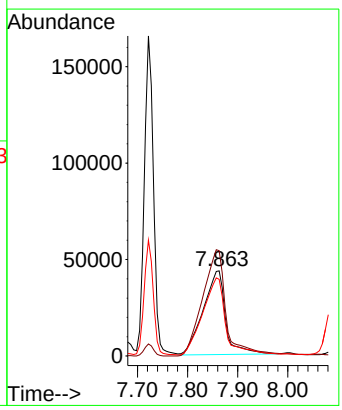


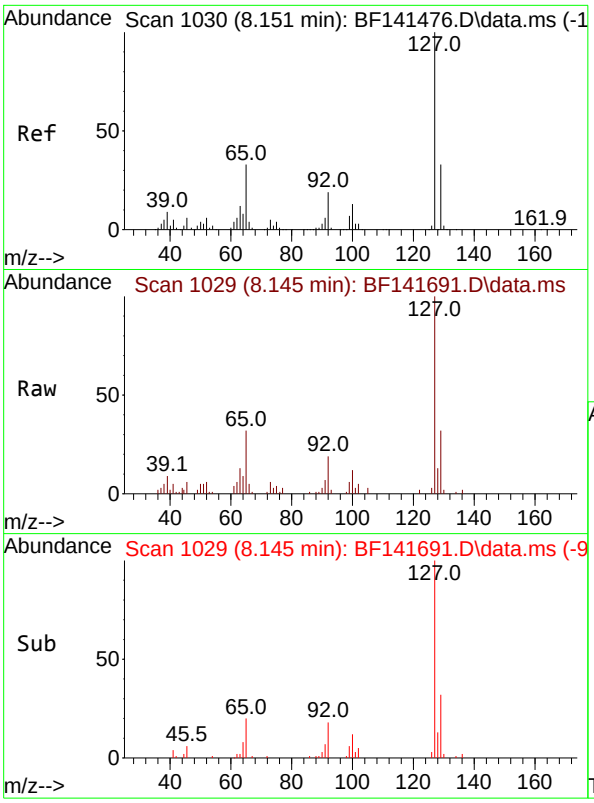


#32
Benzoic acid
Concen: 33.621 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:122 Resp: 135395

Ion	Ratio	Lower	Upper
122	100		
105	123.6	106.5	146.5
77	90.1	76.3	116.3



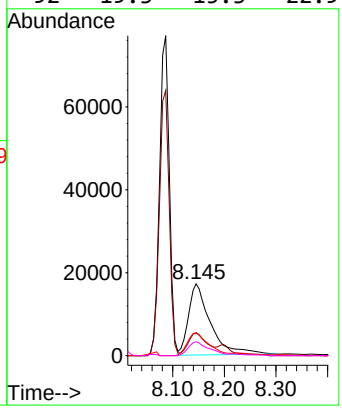


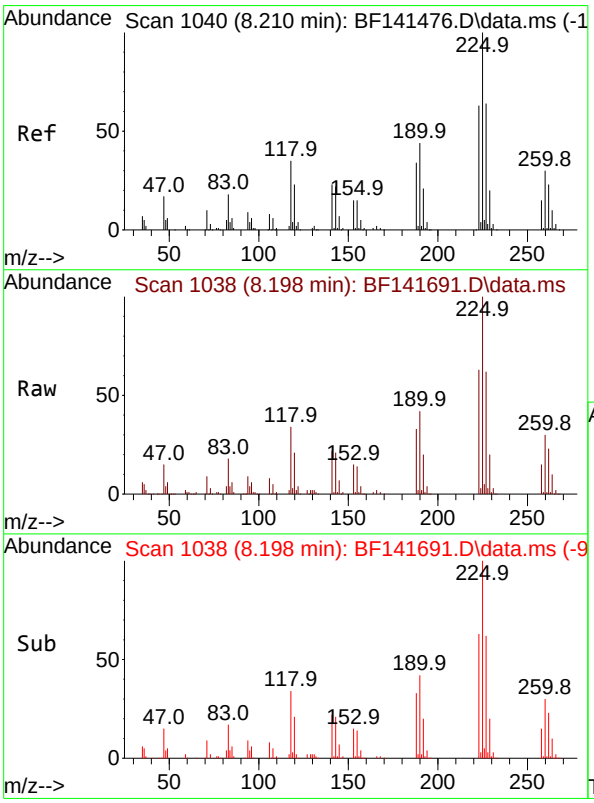
#33
4-Chloroaniline
Concen: 7.806 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:127 Resp: 50619

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	31.7	26.4	39.6
92	19.3	15.3	22.9

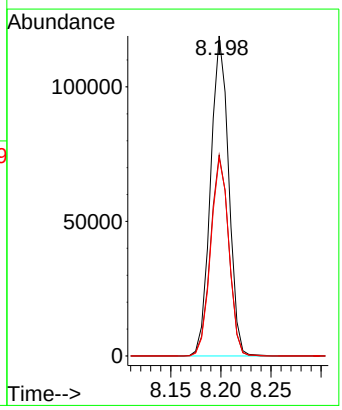


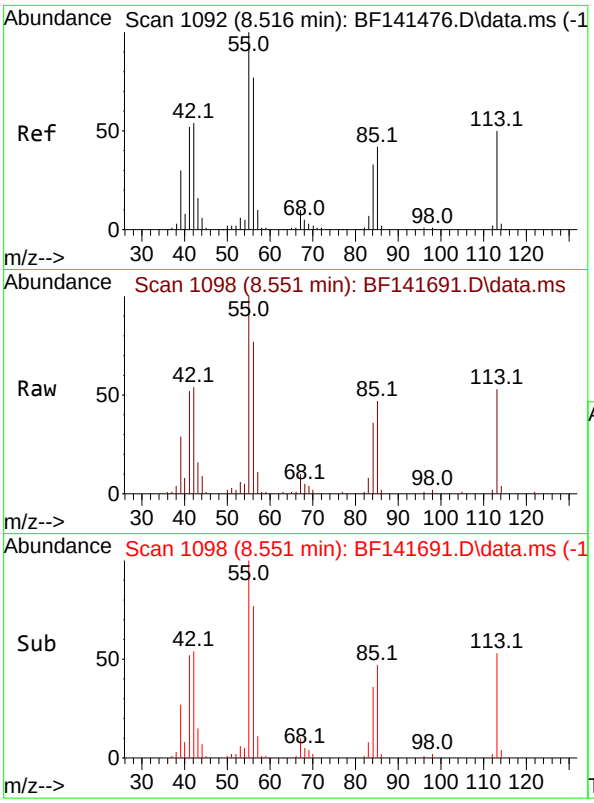


#34
Hexachlorobutadiene
Concen: 43.516 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:225 Resp: 149026

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.1	75.1
227	62.0	51.0	76.6



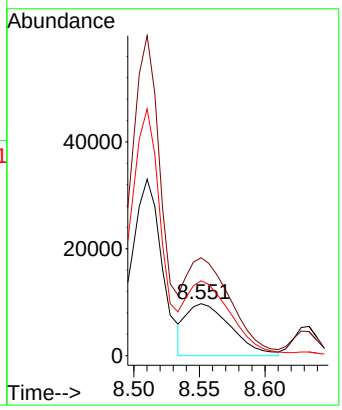


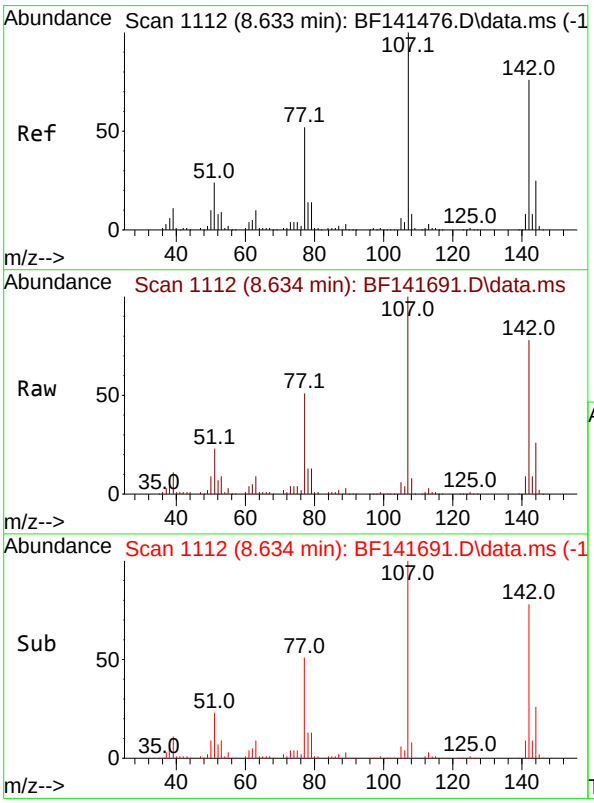
#35
Caprolactam
Concen: 14.532 ng
RT: 8.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:113 Resp: 23178

Ion	Ratio	Lower	Upper
113	100		
55	188.2	180.8	220.8
56	144.0	133.6	173.6

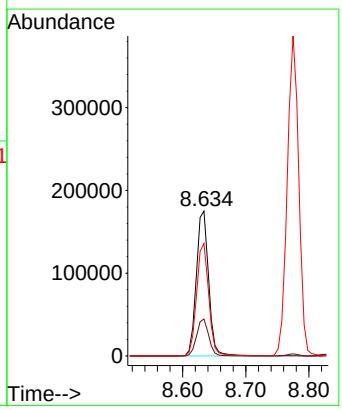


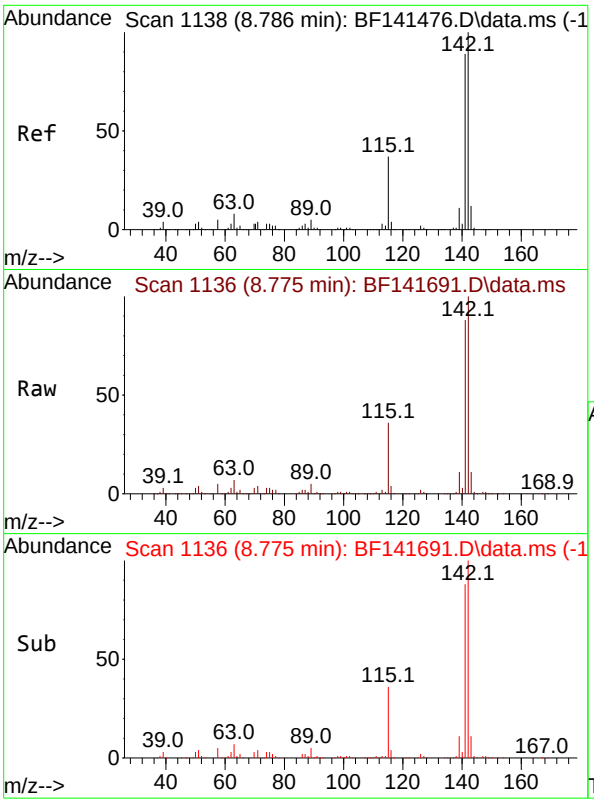


#36
4-Chloro-3-methylphenol
Concen: 40.730 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:107 Resp: 236342

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.7	29.5
142	77.7	60.8	91.2



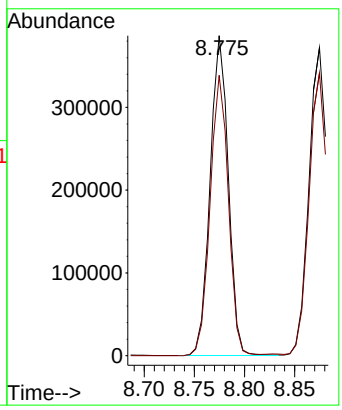


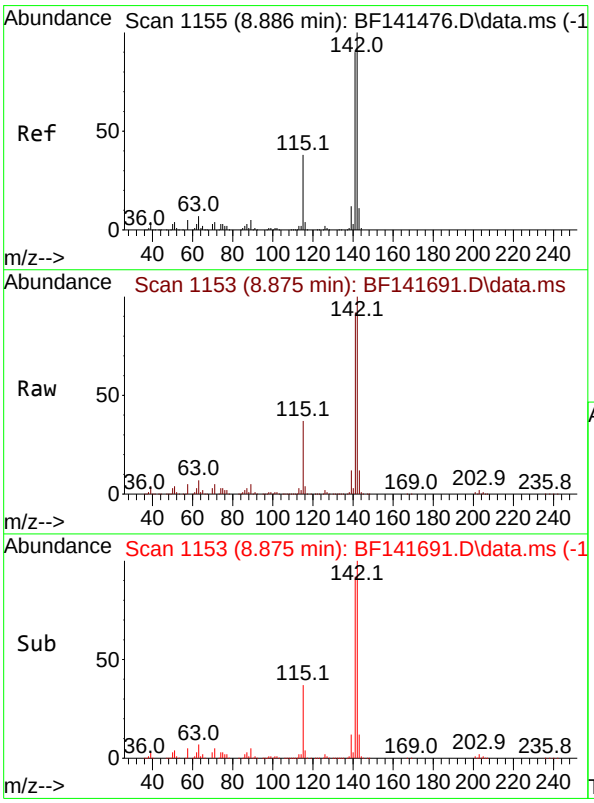
#37
2-Methylnaphthalene
Concen: 40.410 ng
RT: 8.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:142 Resp: 488399

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.2	106.8

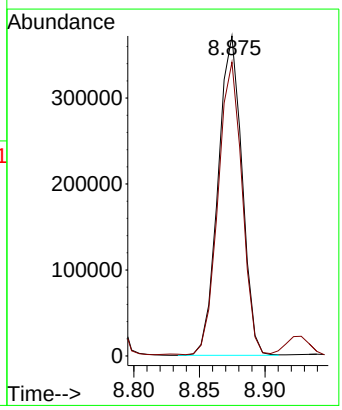


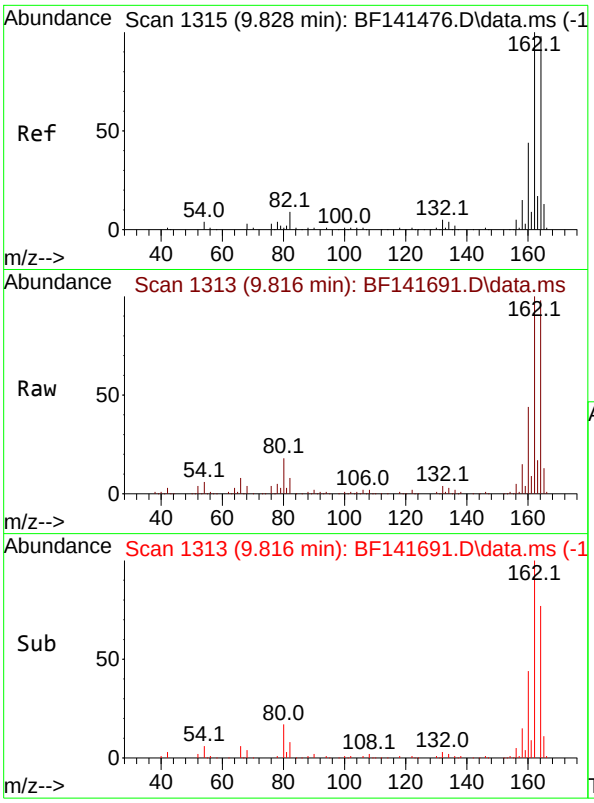


#38
1-Methylnaphthalene
Concen: 40.350 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:142 Resp: 472328

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.1	108.1



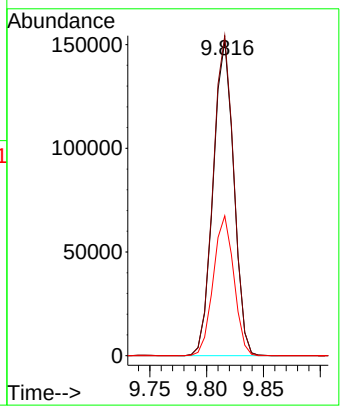


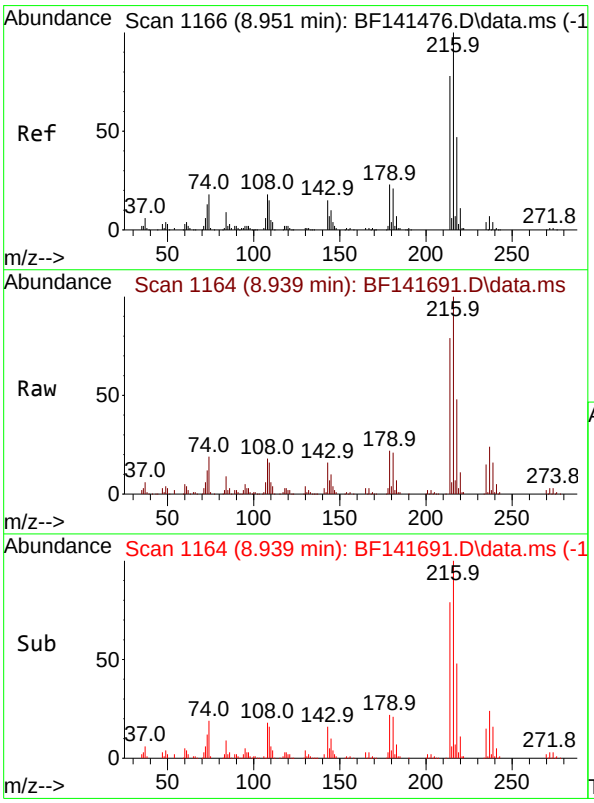
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:164 Resp: 191594

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	44.4	35.9	53.9

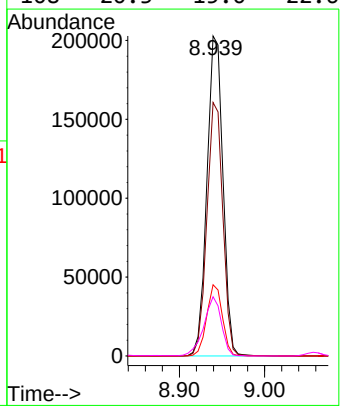


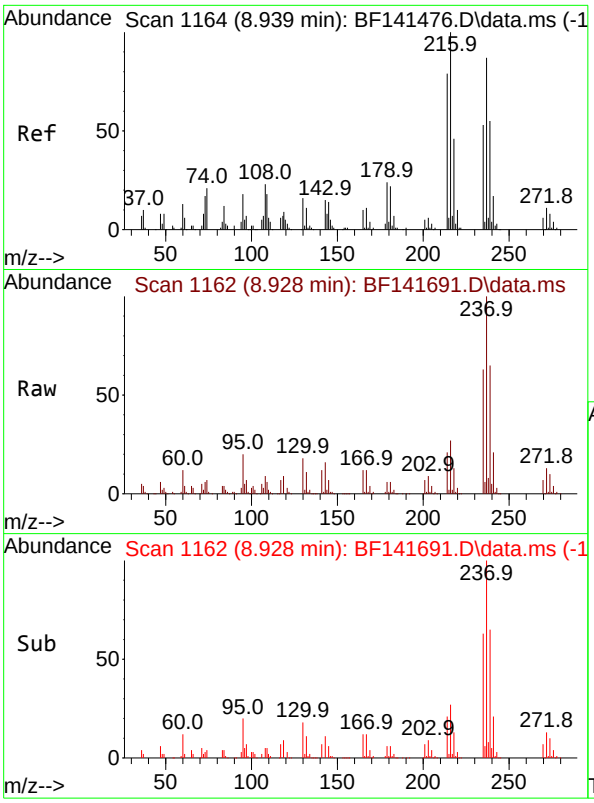


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.784 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:216 Resp: 264867

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.3	93.5
179	21.7	18.0	27.0
108	20.3	15.0	22.6



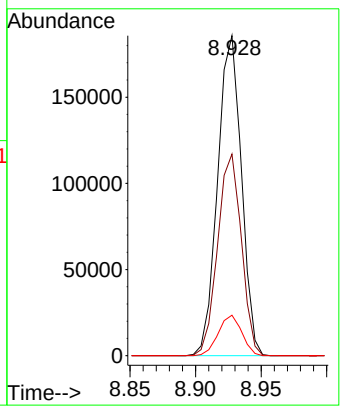


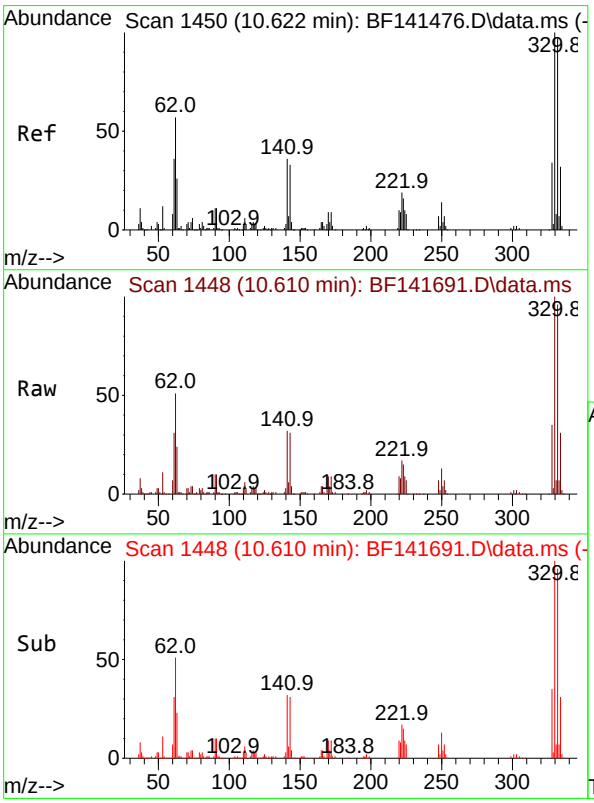
#41
Hexachlorocyclopentadiene
Concen: 126.824 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:237 Resp: 233821

Ion	Ratio	Lower	Upper
237	100		
235	63.0	41.4	81.4
272	12.7	0.0	32.4

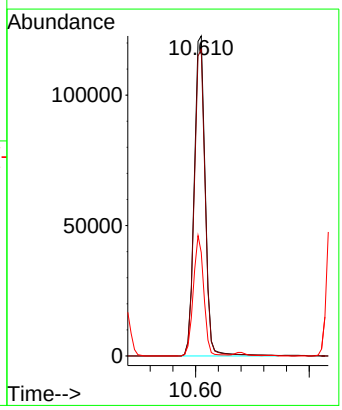


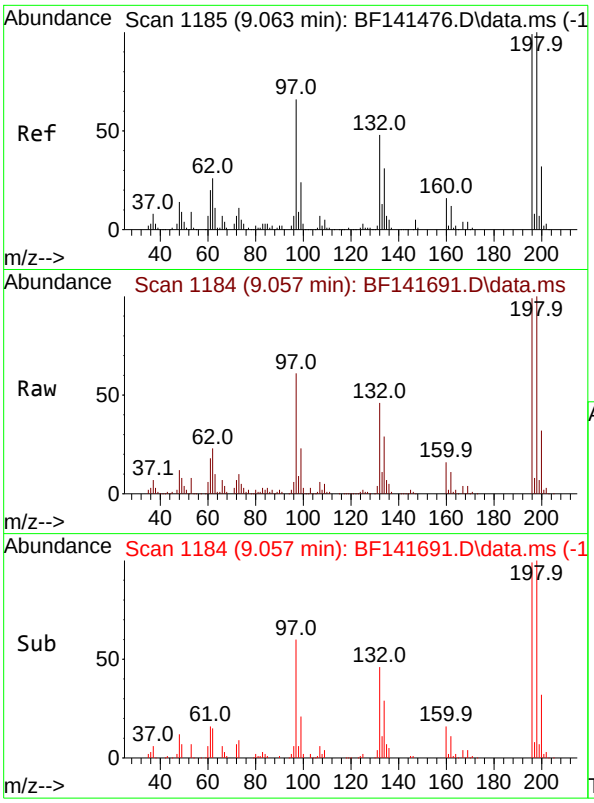


#42
2,4,6-Tribromophenol
Concen: 85.794 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:330 Resp: 165124

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.5	117.7
141	36.0	31.0	46.4



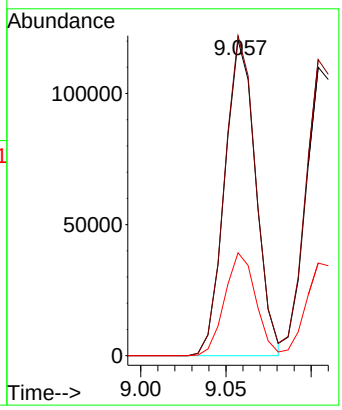


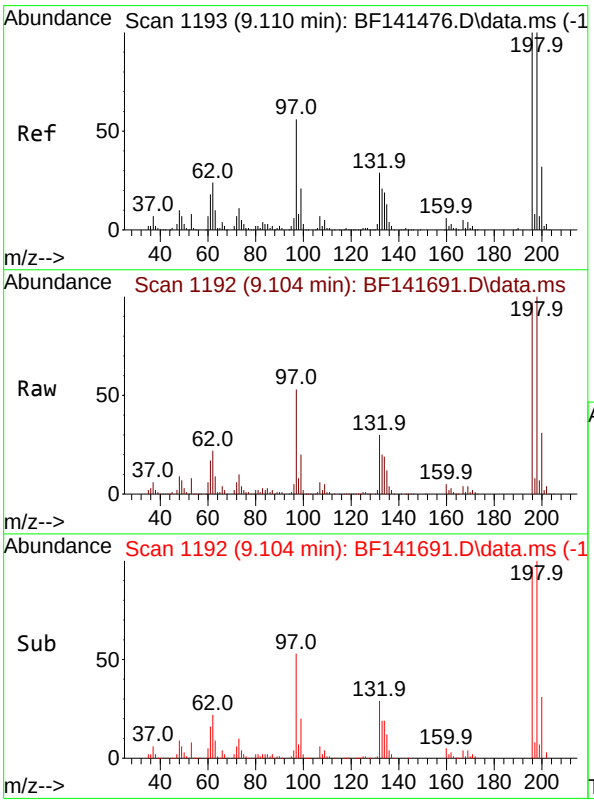
#43
2,4,6-Trichlorophenol
Concen: 42.485 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:196 Resp: 152206

Ion	Ratio	Lower	Upper
196	100		
198	101.4	80.6	121.0
200	32.6	25.5	38.3

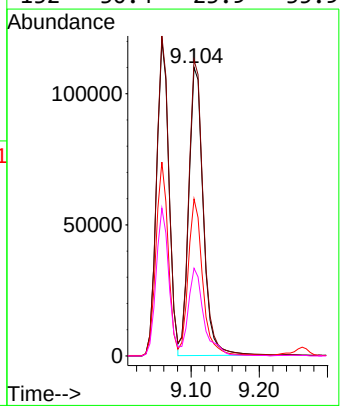


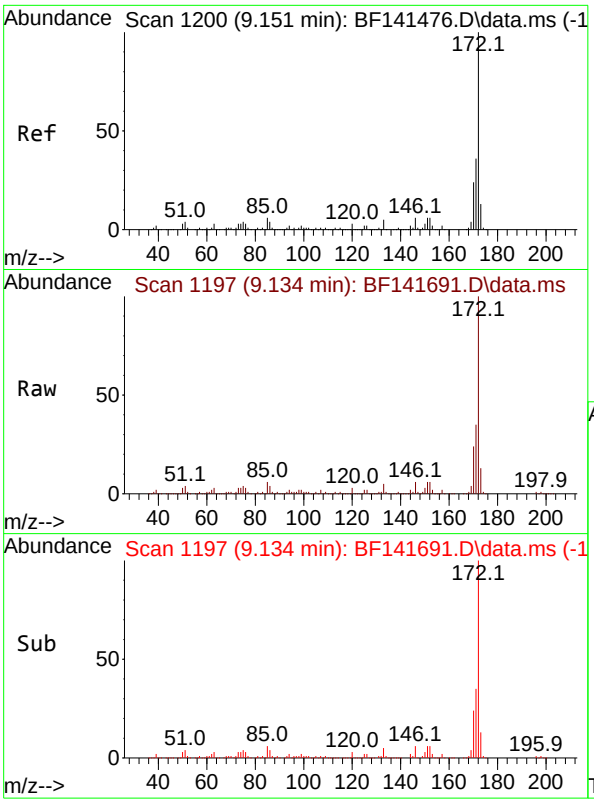


#44
2,4,5-Trichlorophenol
Concen: 41.481 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:196 Resp: 161058

Ion	Ratio	Lower	Upper
196	100		
198	102.7	79.8	119.8
97	54.4	44.8	67.2
132	30.4	23.9	35.9



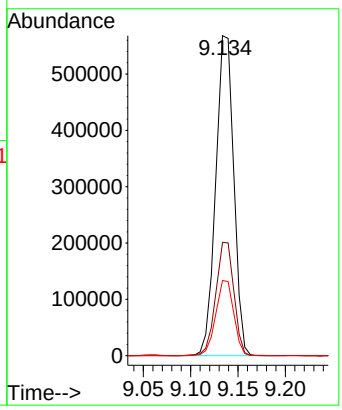


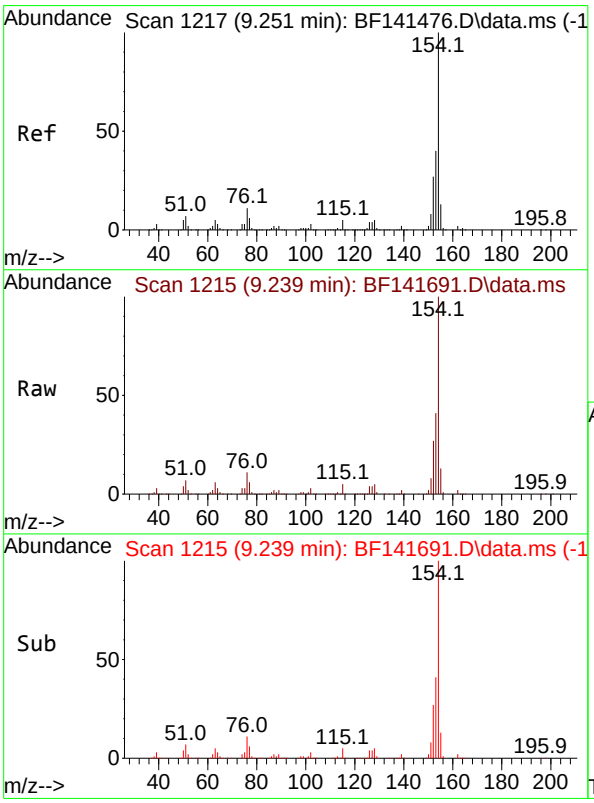
#45
2-Fluorobiphenyl
Concen: 60.625 ng
RT: 9.134 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:172 Resp: 753926

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.5	18.9	28.3

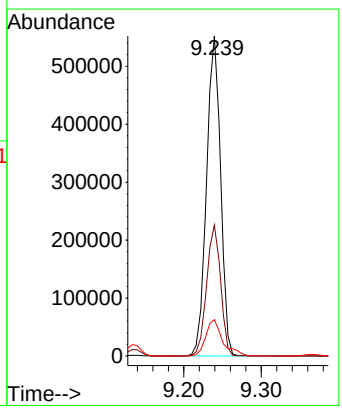


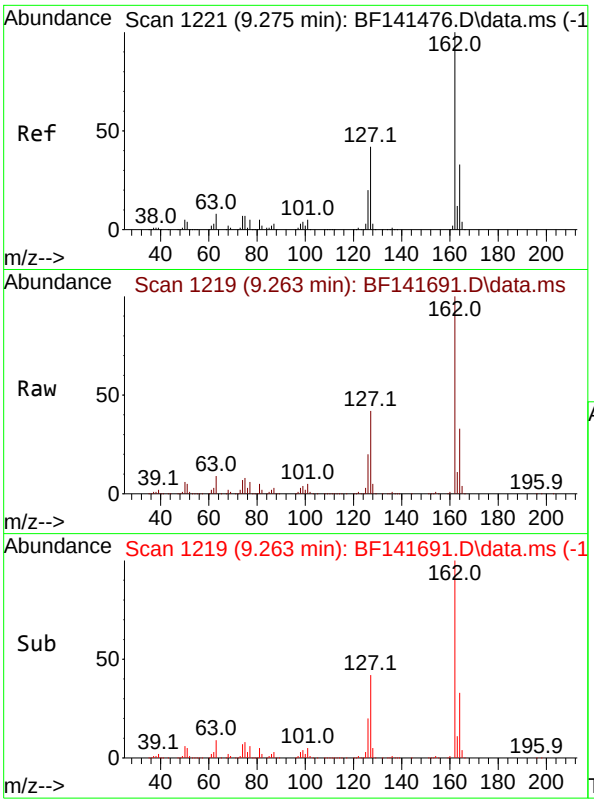


#46
1,1'-Biphenyl
Concen: 46.810 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:154 Resp: 695306

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.4	60.4
76	11.4	0.0	30.8



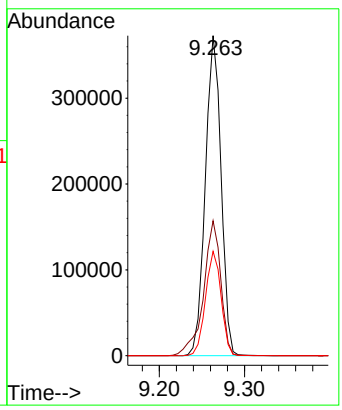


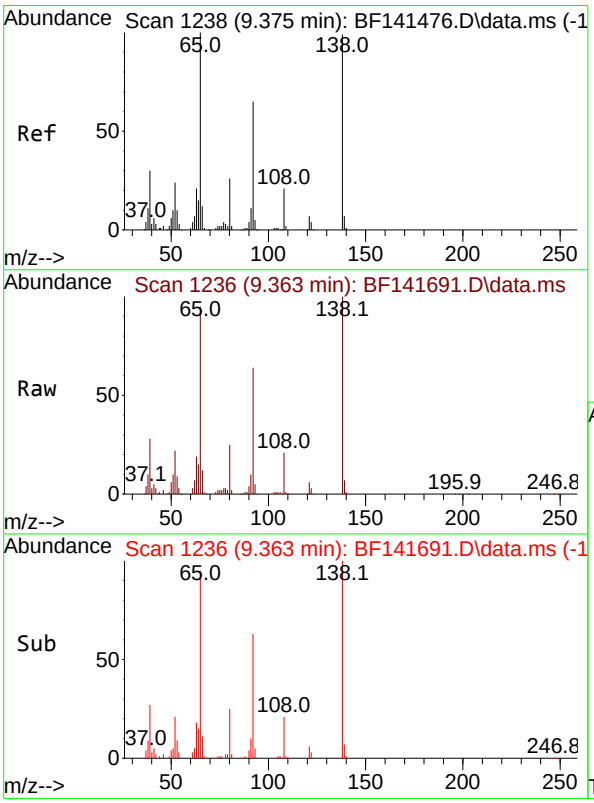
#47
2-Chloronaphthalene
Concen: 43.511 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:162 Resp: 477930

Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.1	51.1
164	32.6	26.3	39.5

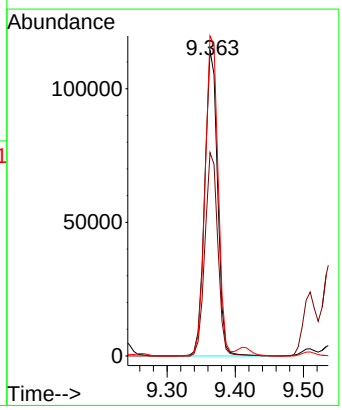


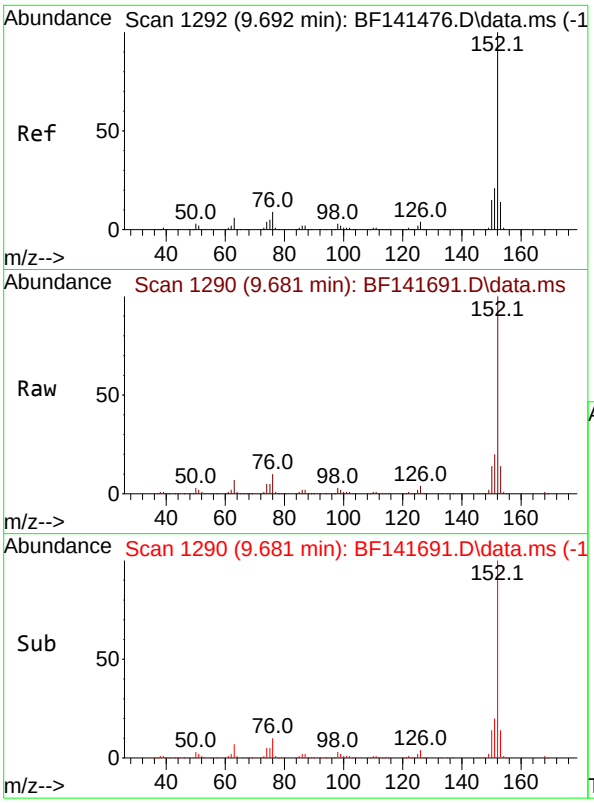


#48
2-Nitroaniline
Concen: 40.886 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion: 65 Resp: 150715

Ion	Ratio	Lower	Upper
65	100		
92	66.6	52.2	78.2
138	104.8	79.5	119.3



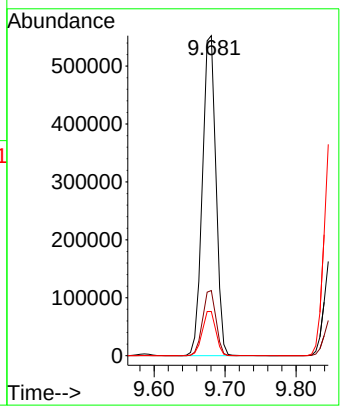


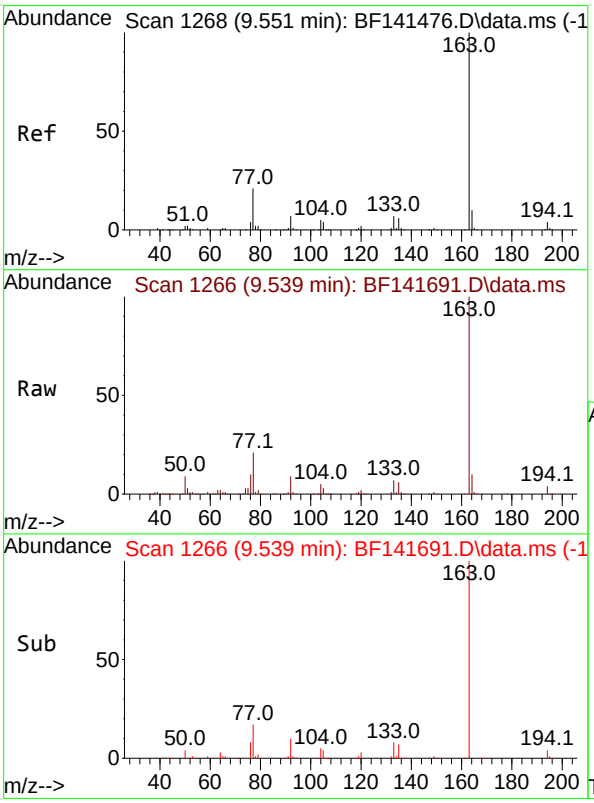
#49
Acenaphthylene
Concen: 44.887 ng
RT: 9.681 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:152 Resp: 733342

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.8	10.9	16.3

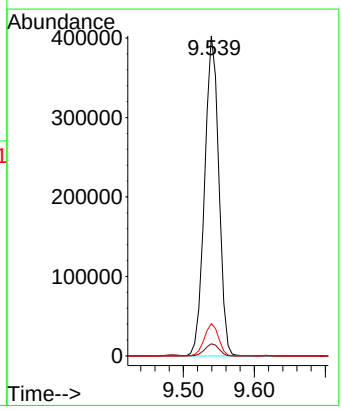


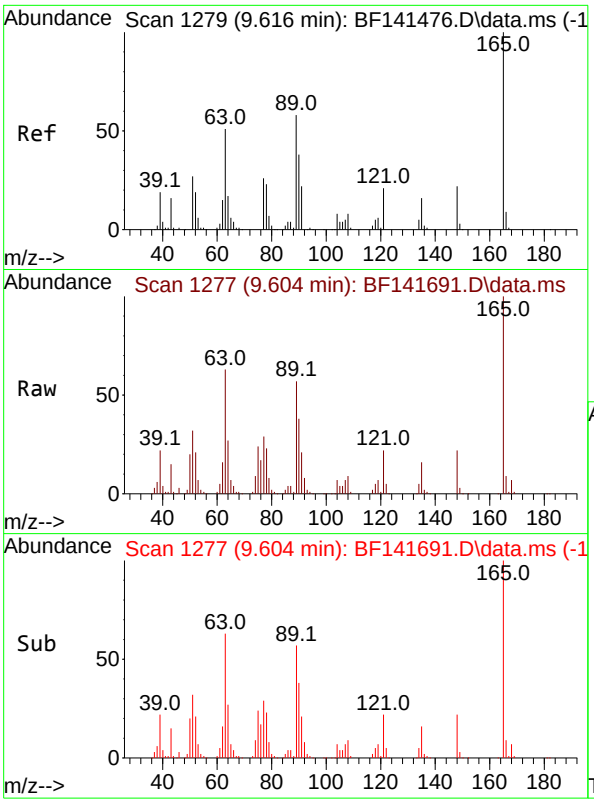


#50
Dimethylphthalate
Concen: 43.075 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:163 Resp: 560273

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	7.9	11.9



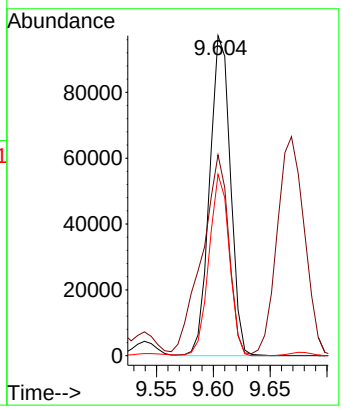


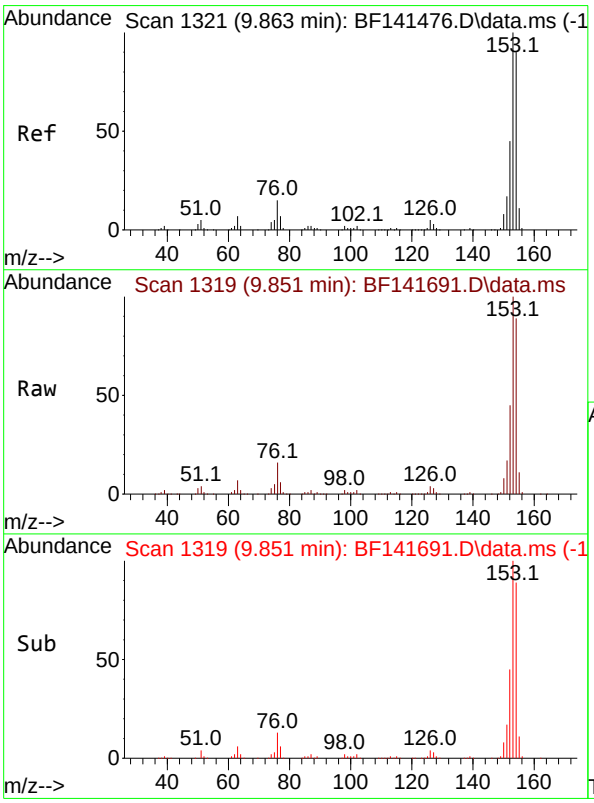
#51
2,6-Dinitrotoluene
Concen: 43.494 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:165 Resp: 123670

Ion	Ratio	Lower	Upper
165	100		
63	62.7	49.4	74.0
89	56.6	46.5	69.7

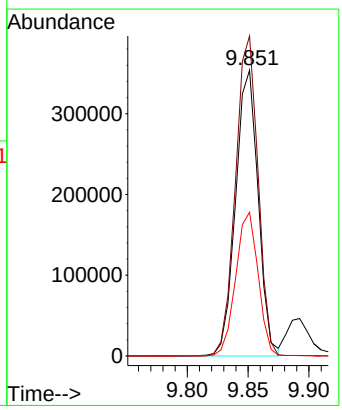


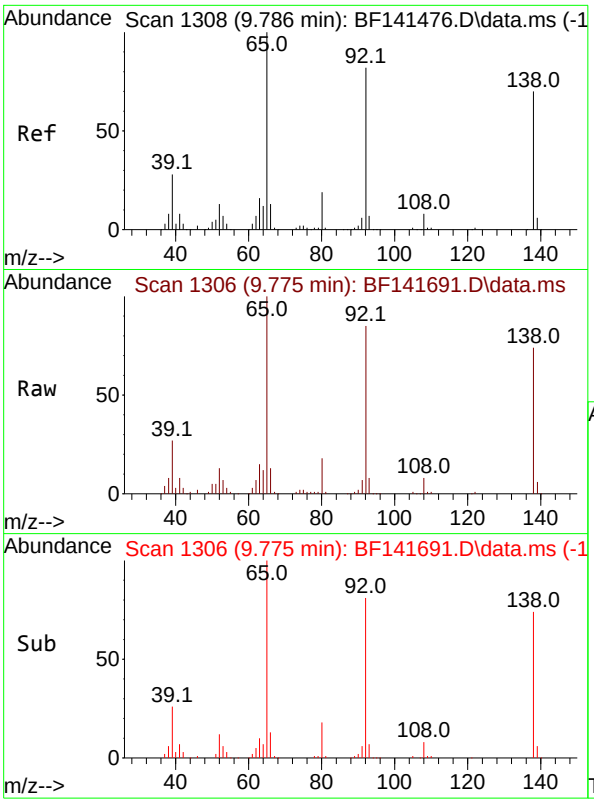


#52
Acenaphthene
Concen: 41.567 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:154 Resp: 456548

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.2	133.8
152	50.3	39.8	59.8



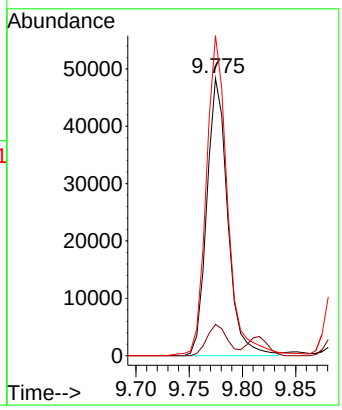


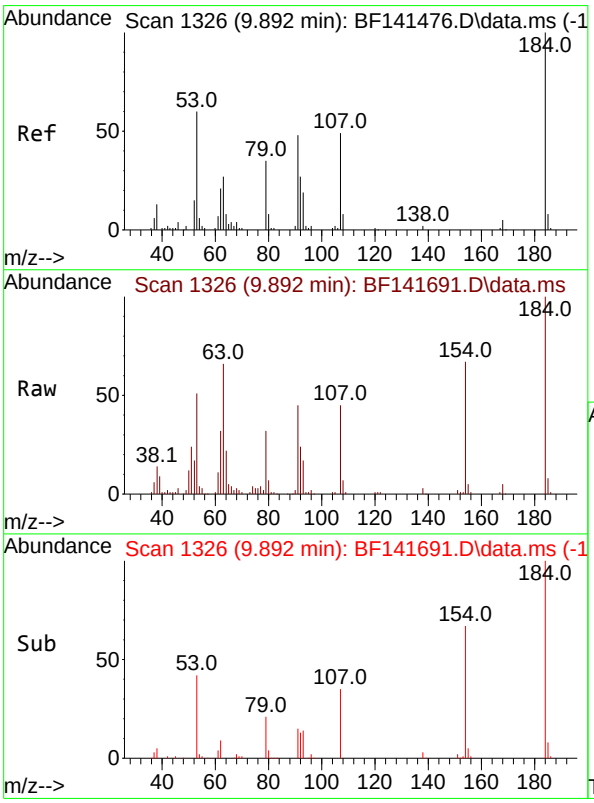
#53
3-Nitroaniline
Concen: 21.517 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:138 Resp: 65848

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.4
92	115.4	93.7	140.5

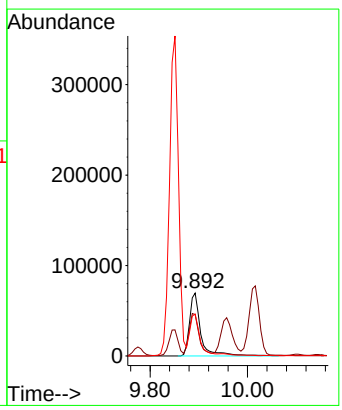


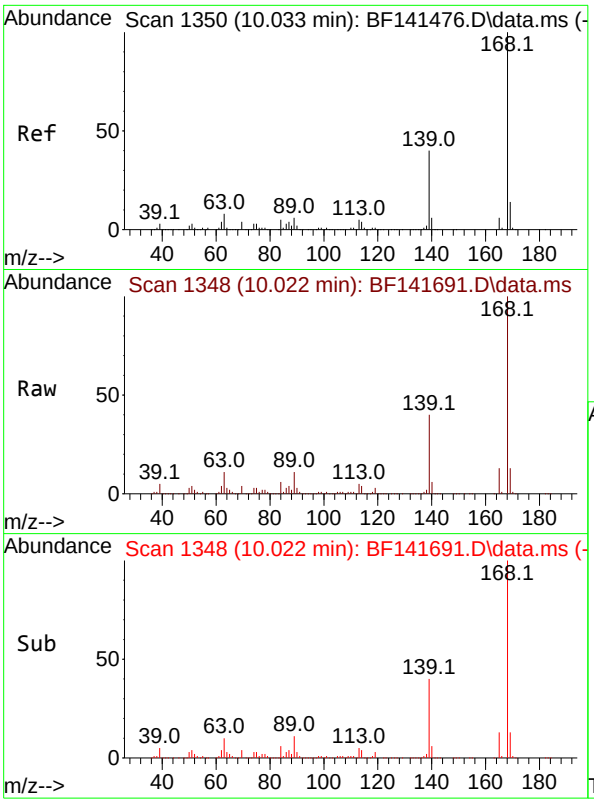


#54
2,4-Dinitrophenol
Concen: 66.168 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:184 Resp: 111818

Ion	Ratio	Lower	Upper
184	100		
63	65.8	61.0	91.6
154	66.6	59.9	89.9



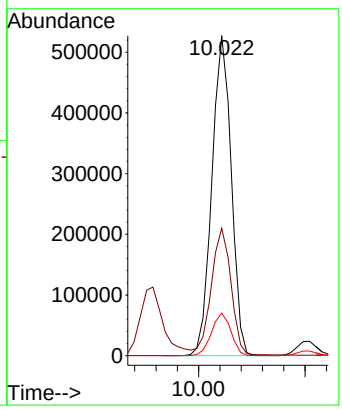


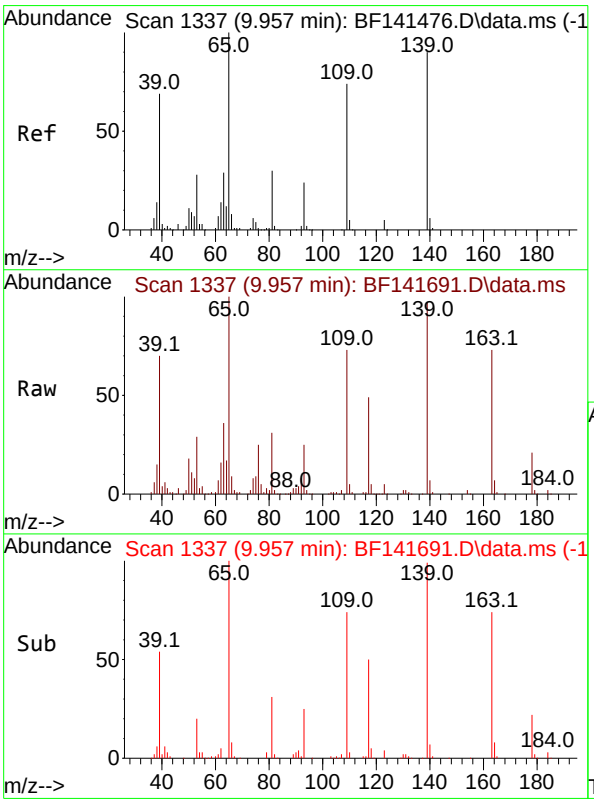
#55
Dibenzofuran
Concen: 41.259 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:168 Resp: 665170

Ion	Ratio	Lower	Upper
168	100		
139	39.9	32.7	49.1
169	13.3	10.8	16.2

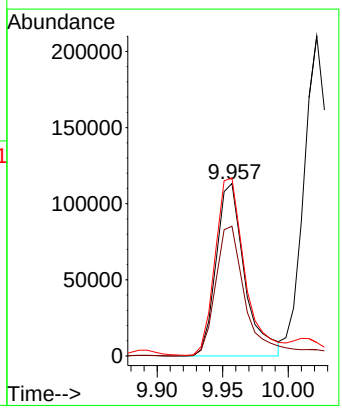


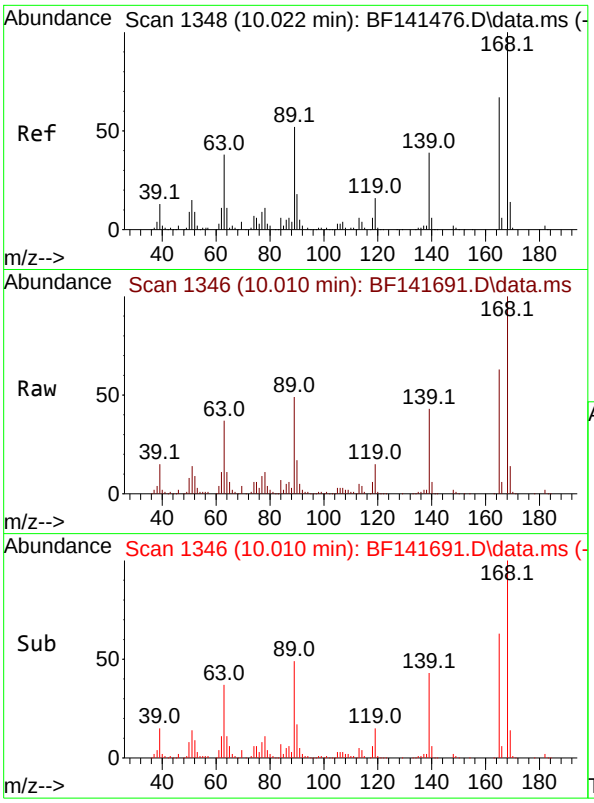


#56
4-Nitrophenol
Concen: 75.307 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:139 Resp: 171082

Ion	Ratio	Lower	Upper
139	100		
109	75.2	62.0	102.0
65	103.2	91.2	131.2



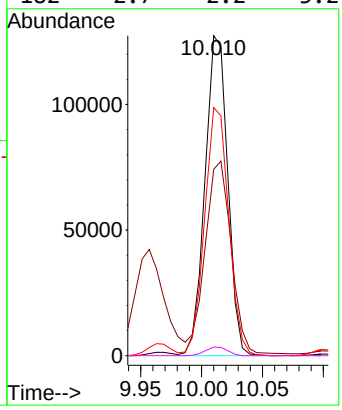


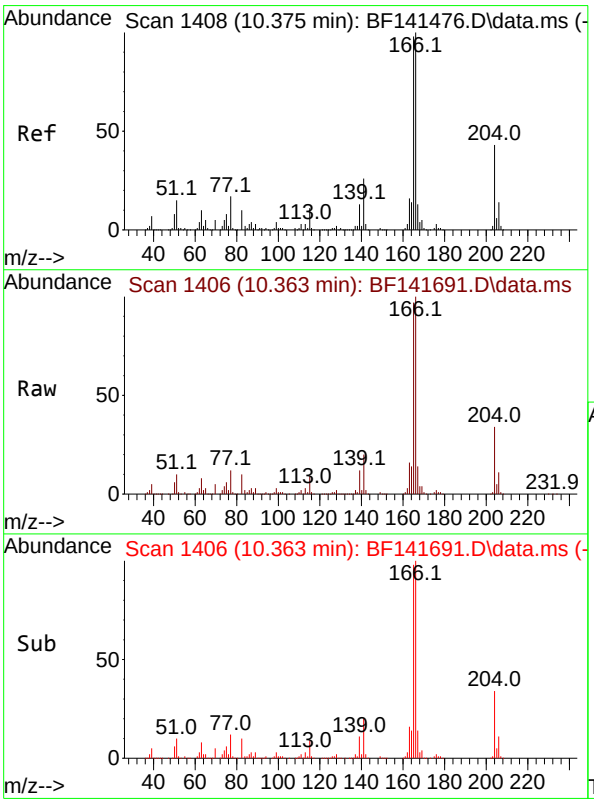
#57
2,4-Dinitrotoluene
Concen: 43.593 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:165 Resp: 165008

Ion	Ratio	Lower	Upper
165	100		
63	58.3	46.4	69.6
89	77.5	61.8	92.6
182	2.7	2.2	3.2

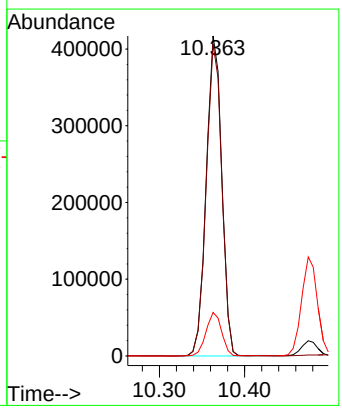


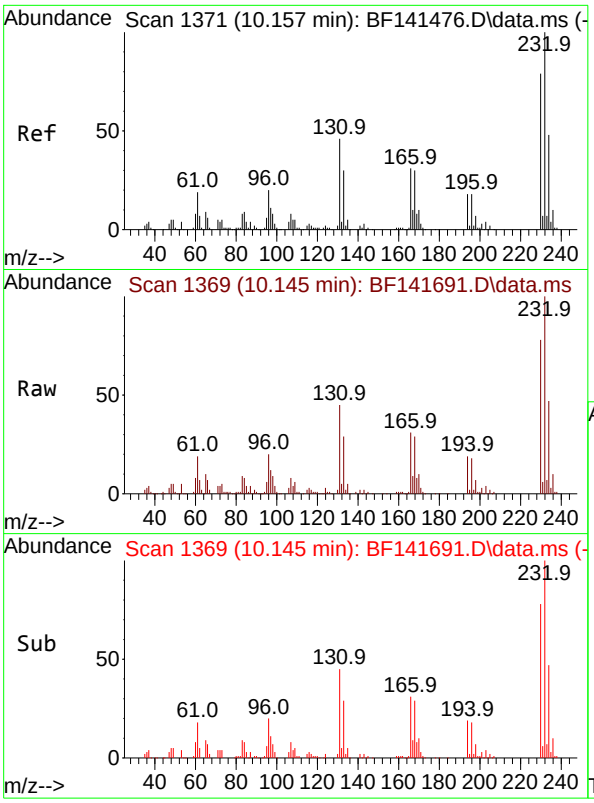


#58
Fluorene
Concen: 42.384 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:166 Resp: 528335

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.6	10.7	16.1



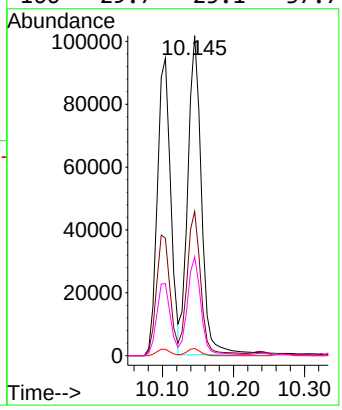


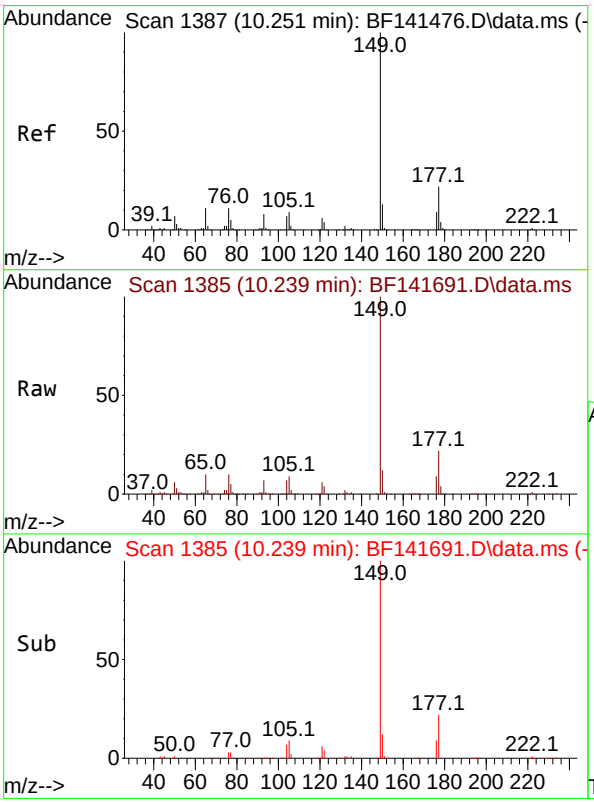
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.597 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:232 Resp: 135703

Ion	Ratio	Lower	Upper
232	100		
131	43.8	39.2	58.8
130	2.2	2.1	3.1
166	29.7	25.1	37.7

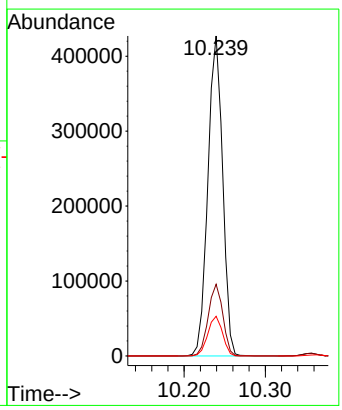


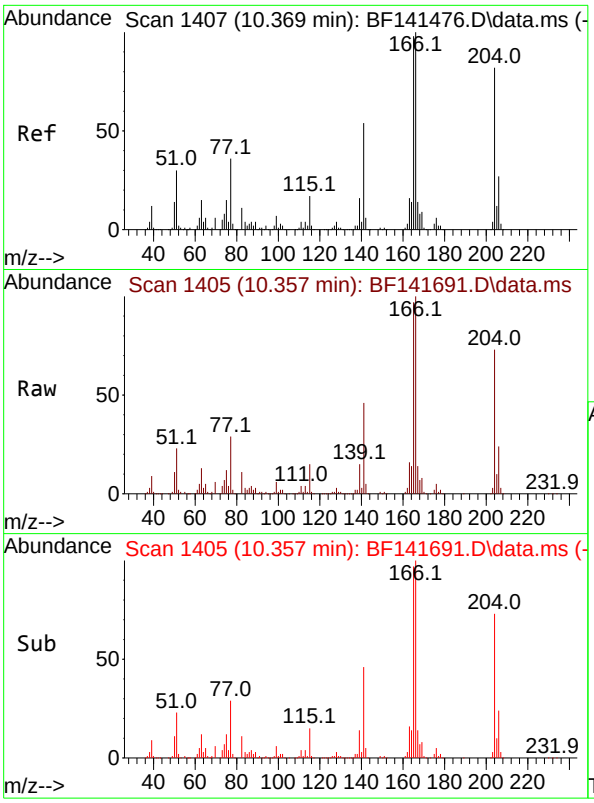


#60
Diethylphthalate
Concen: 41.988 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 537334

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.4	10.1	15.1



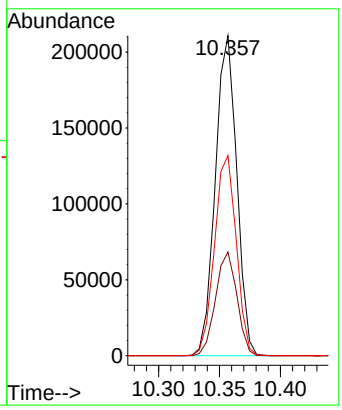


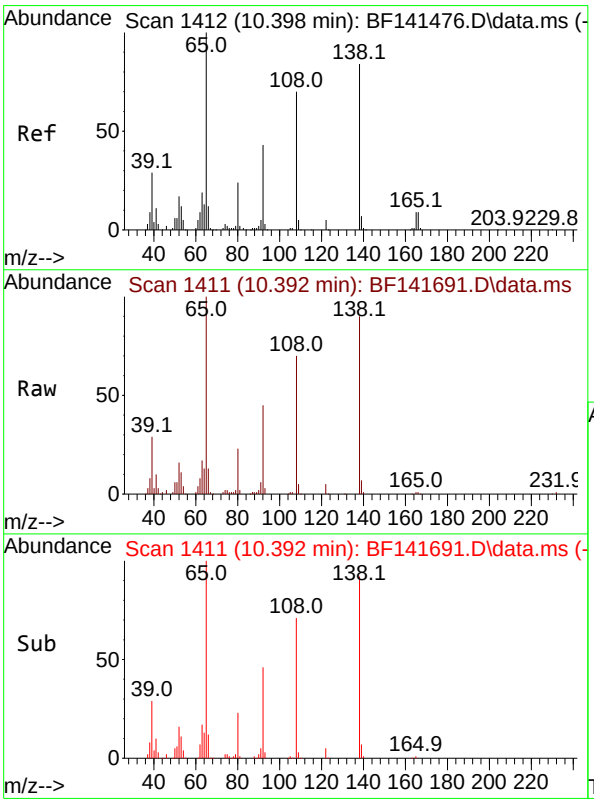
#61
4-Chlorophenyl-phenylether
Concen: 43.147 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:204 Resp: 258751

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	62.6	51.9	77.9

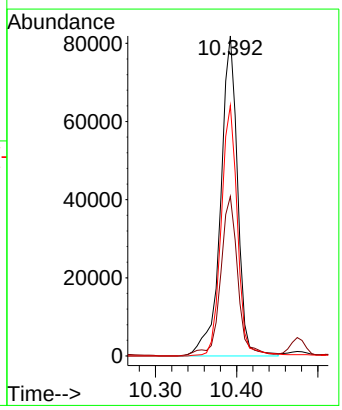


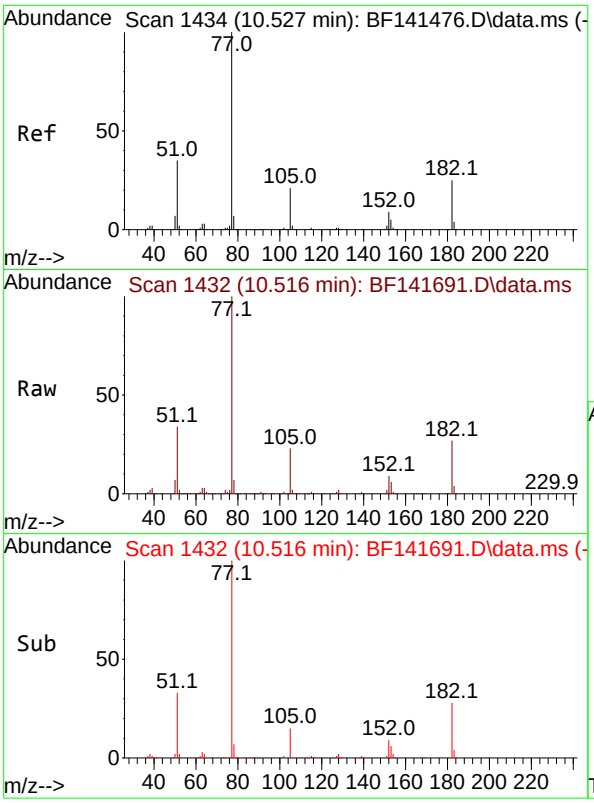


#62
4-Nitroaniline
Concen: 38.467 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:138 Resp: 119535

Ion	Ratio	Lower	Upper
138	100		
92	49.8	31.3	71.3
108	78.3	63.7	103.7



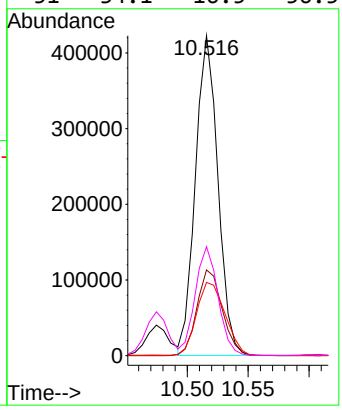


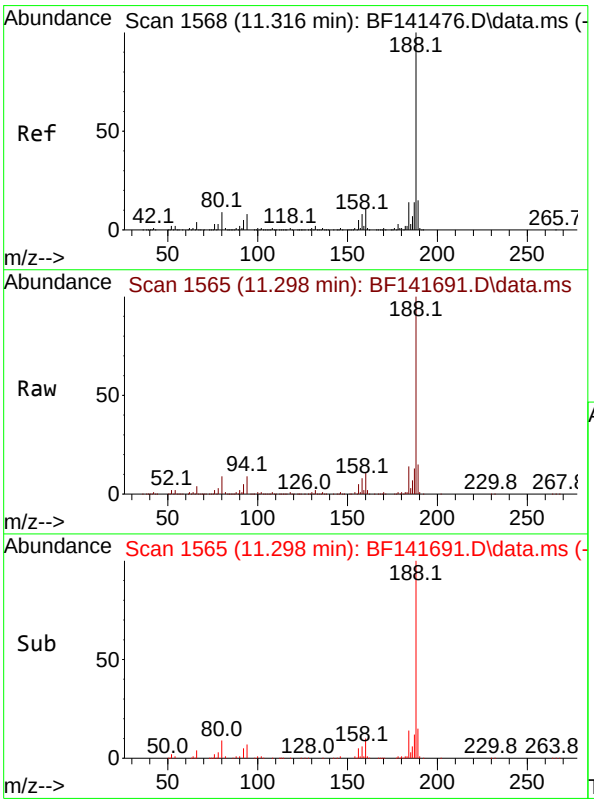
#63
Azobenzene
Concen: 42.642 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion: 77 Resp: 542497

Ion	Ratio	Lower	Upper
77	100		
182	26.8	4.7	44.7
105	22.9	0.4	40.4
51	34.1	16.5	56.5

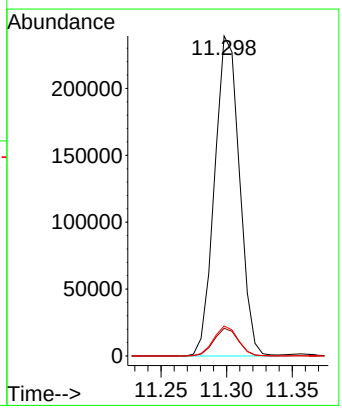


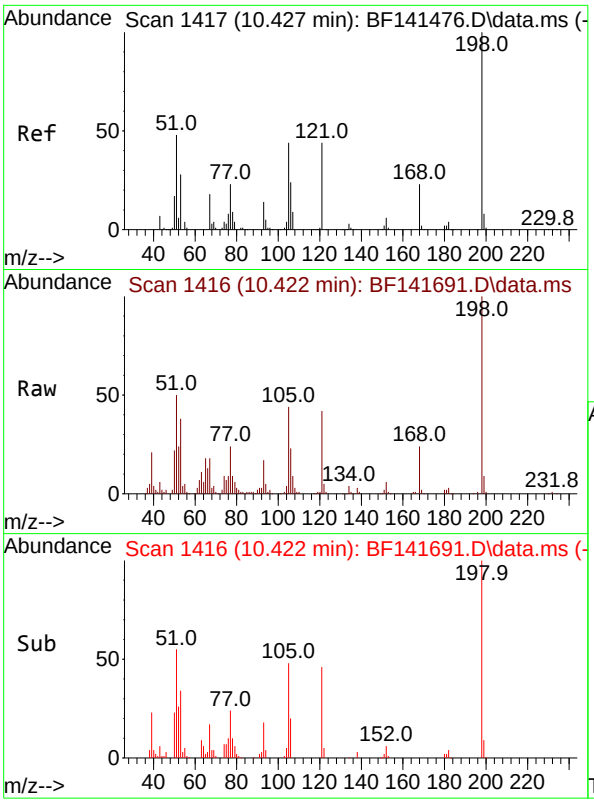


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:188 Resp: 315237

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.4	7.3	10.9



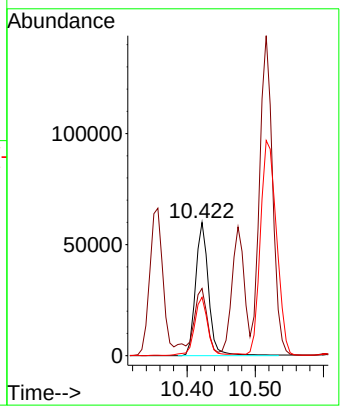


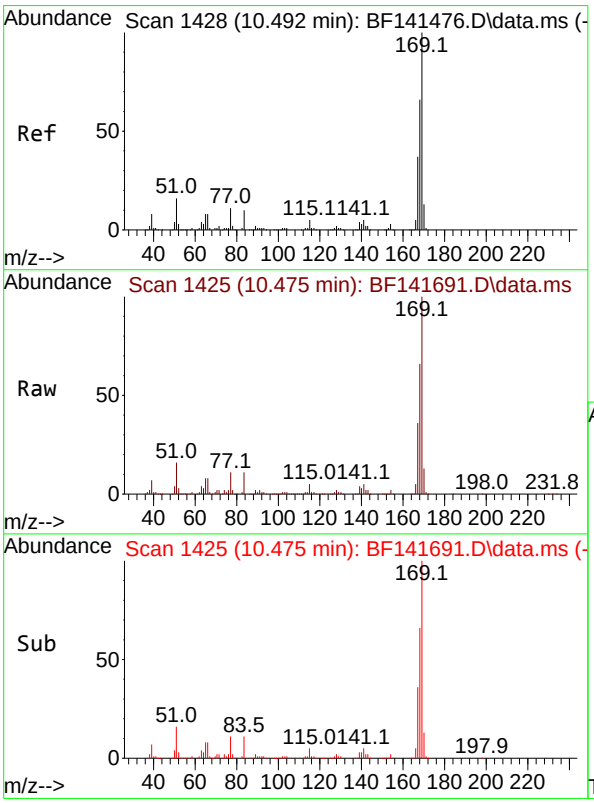
#65
4,6-Dinitro-2-methylphenol
Concen: 36.068 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:198 Resp: 78982

Ion	Ratio	Lower	Upper
198	100		
51	50.5	37.4	77.4
105	43.8	25.2	65.2

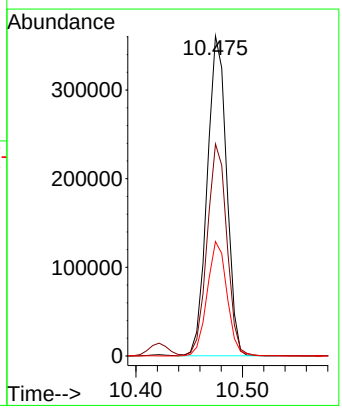


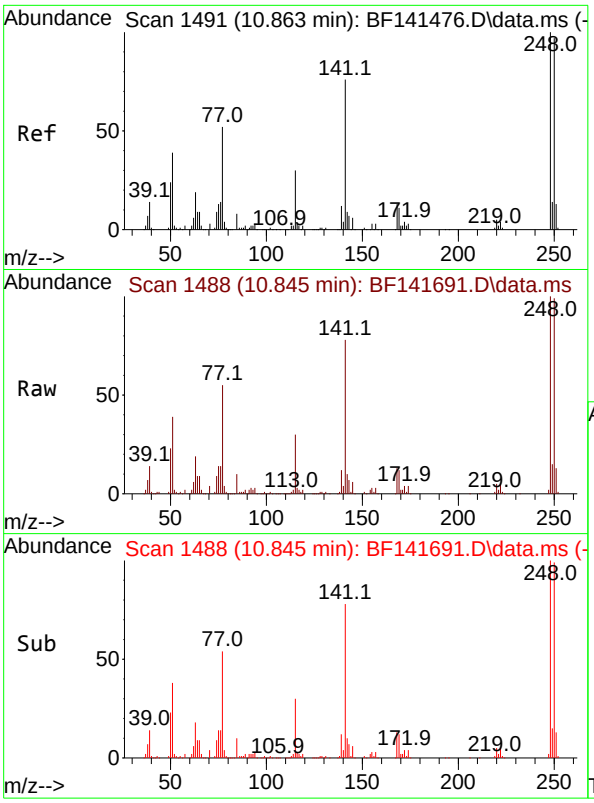


#66
n-Nitrosodiphenylamine
Concen: 45.272 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:169 Resp: 456846

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.3	79.9
167	35.8	29.4	44.2



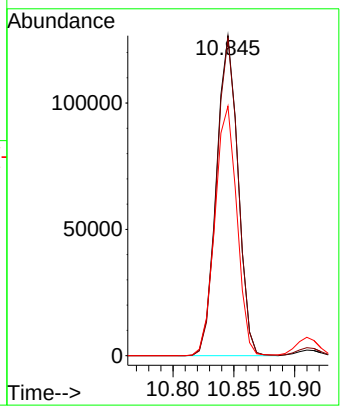


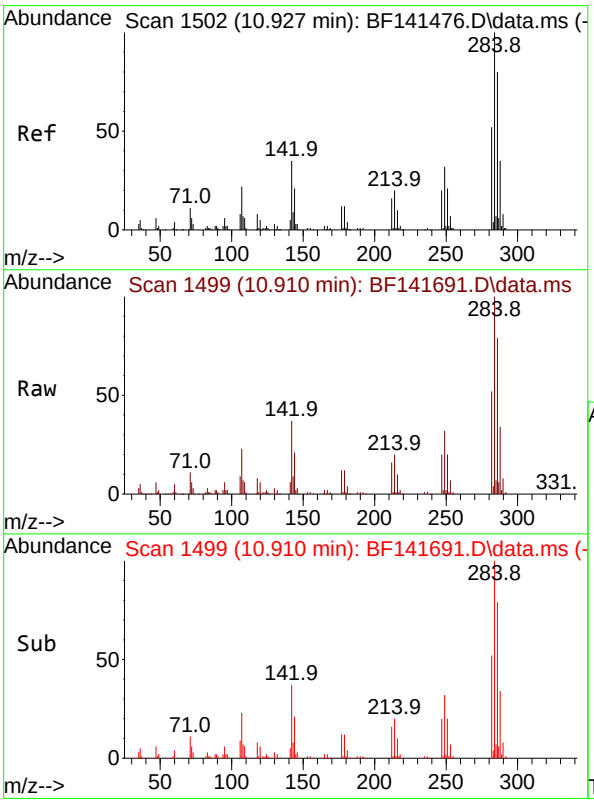
#67
4-Bromophenyl-phenylether
Concen: 44.442 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:248 Resp: 156576

Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.8	116.6
141	78.0	60.6	90.8

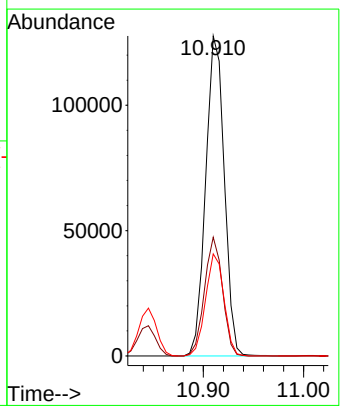


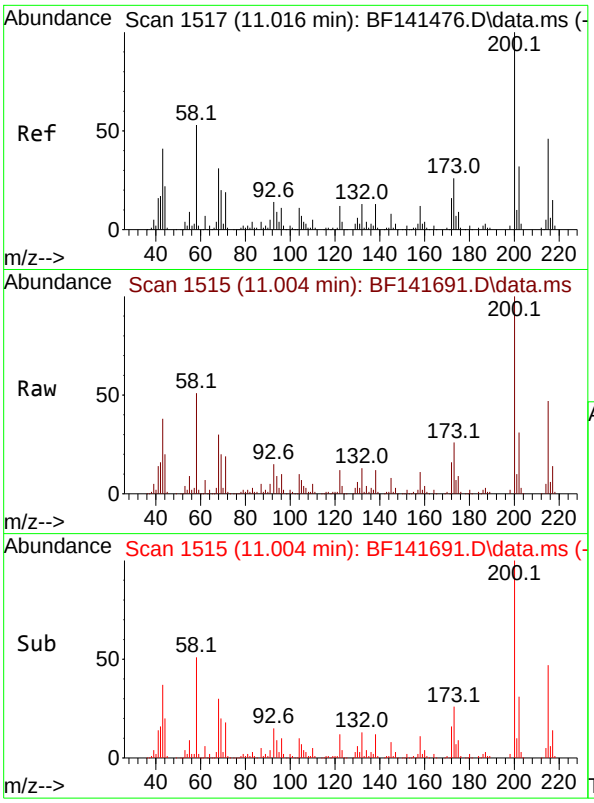


#68
Hexachlorobenzene
Concen: 45.439 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:284 Resp: 164848

Ion	Ratio	Lower	Upper
284	100		
142	37.1	28.0	42.0
249	31.9	25.8	38.8



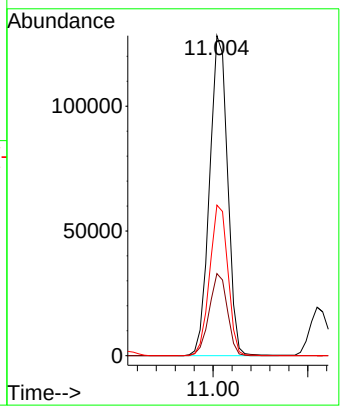


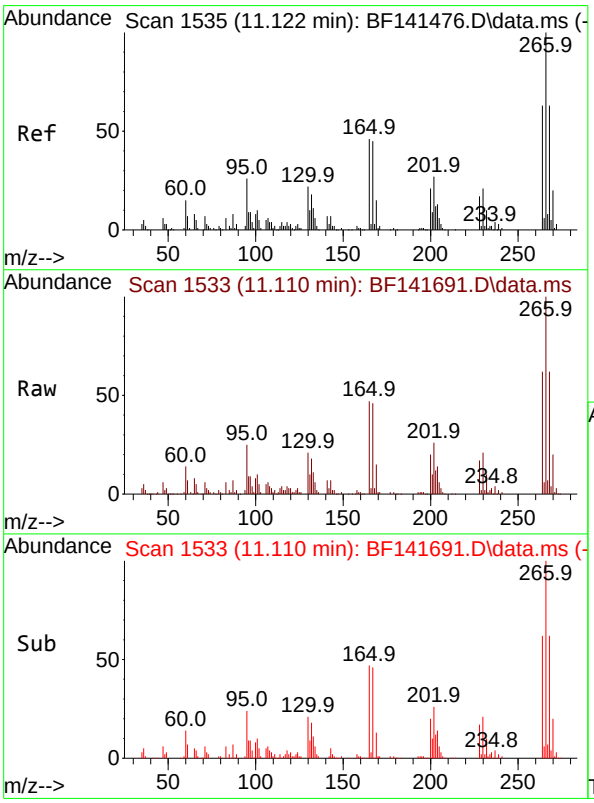
#69
Atrazine
Concen: 55.831 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:200 Resp: 169018

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	47.1	25.9	65.9

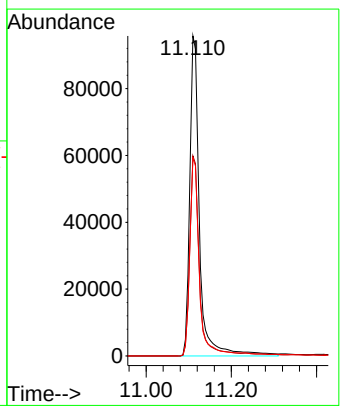


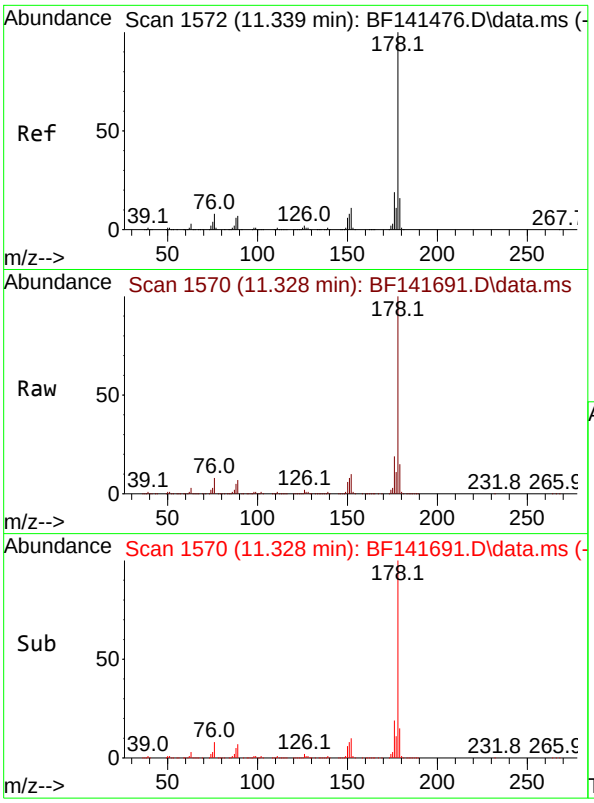


#70
Pentachlorophenol
Concen: 65.764 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:266 Resp: 152558

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.1	75.1
264	62.0	50.1	75.1



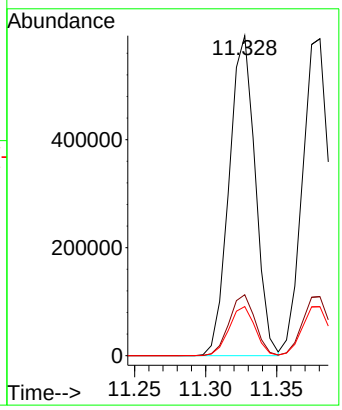


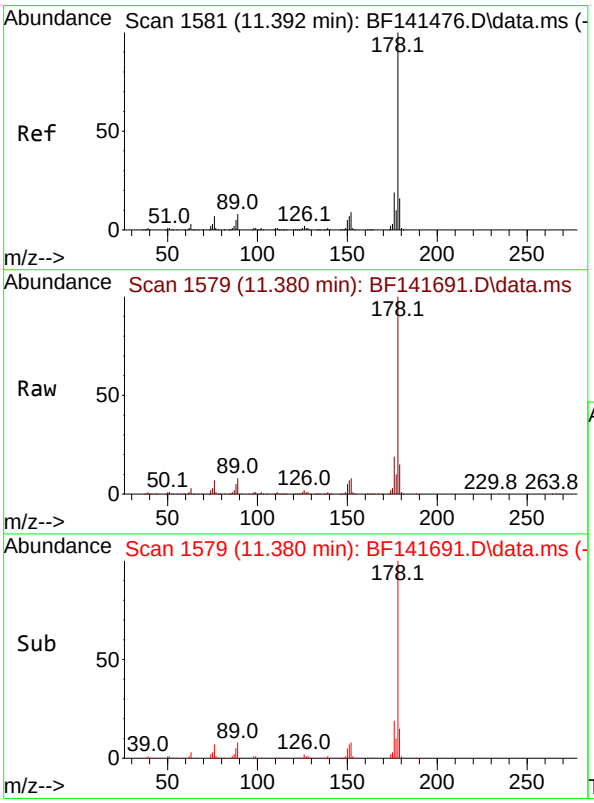
#71
Phenanthrene
Concen: 43.692 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:178 Resp: 758154

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6

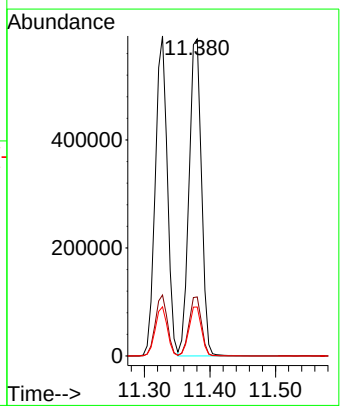


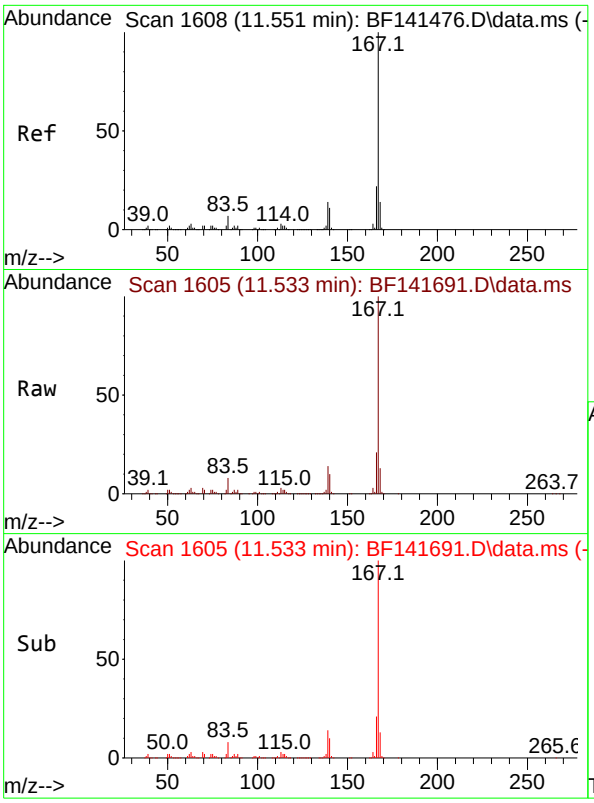


#72
Anthracene
Concen: 44.212 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:178 Resp: 771214

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.5	12.4	18.6



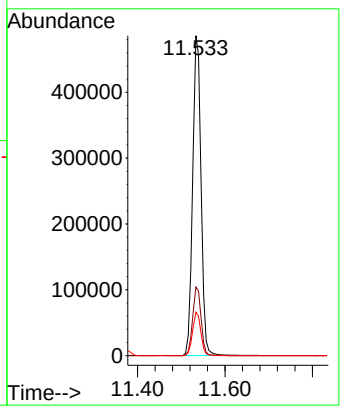


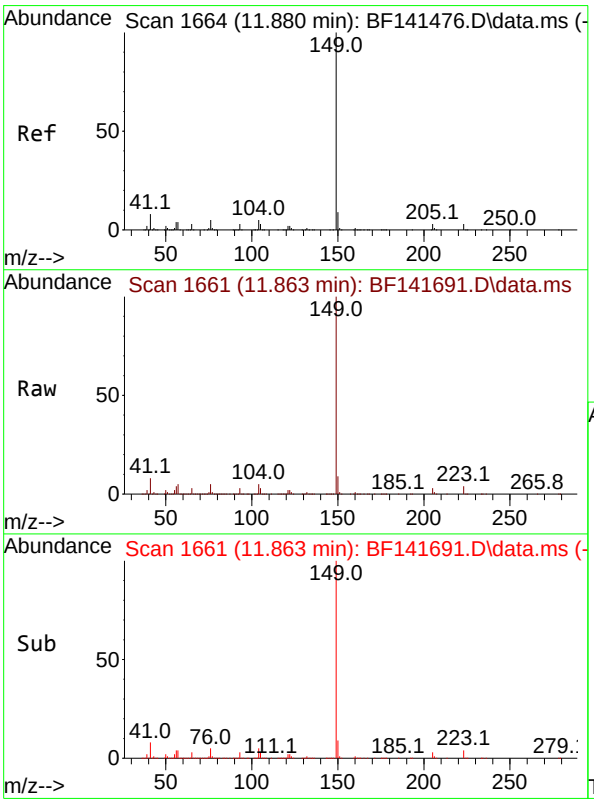
#73
Carbazole
Concen: 41.289 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:167 Resp: 648043

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.6	10.9	16.3

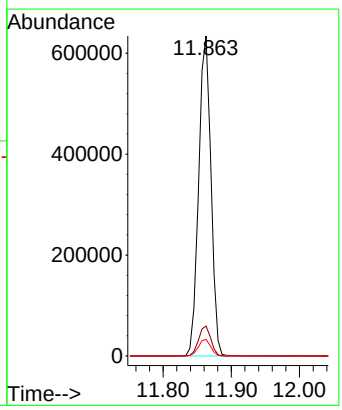


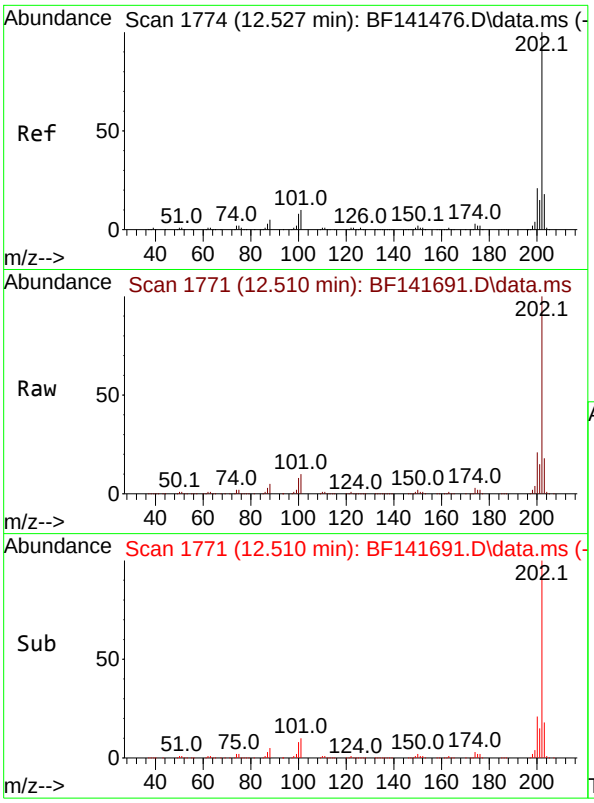


#74
Di-n-butylphthalate
Concen: 43.736 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 792615

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	4.2	6.2



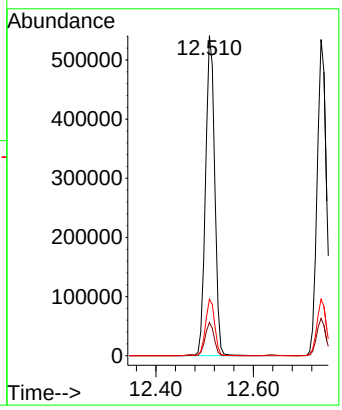


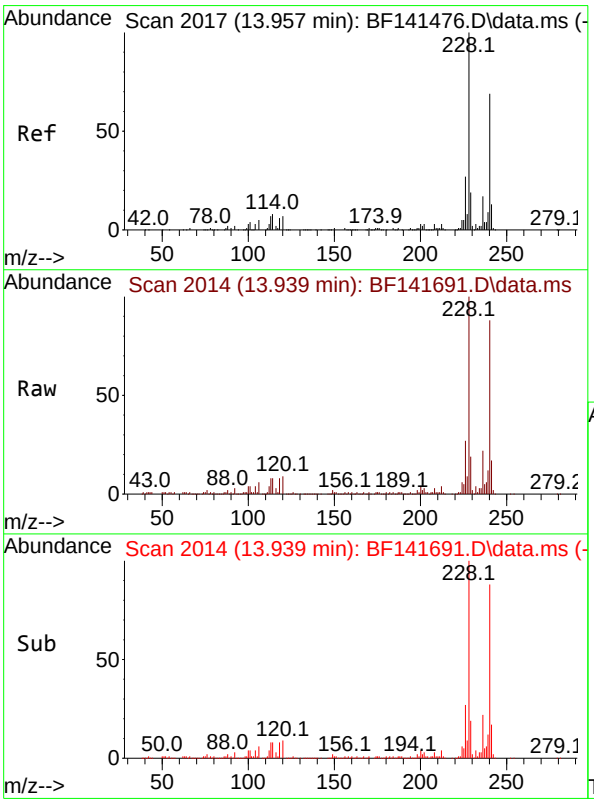
#75
Fluoranthene
Concen: 38.222 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:202 Resp: 703158

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.2
203	17.7	0.0	37.6

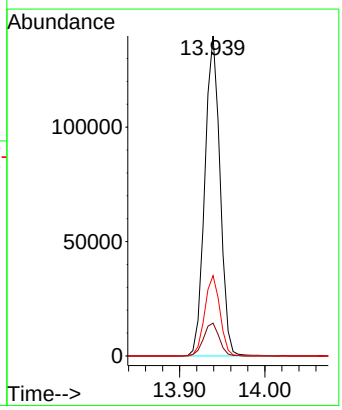


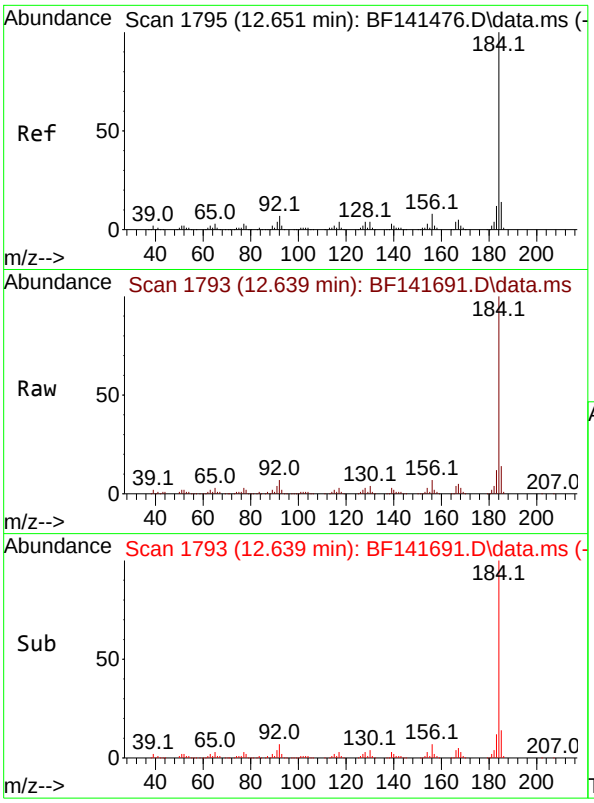


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:240 Resp: 173447

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.0	12.0
236	25.1	19.8	29.8



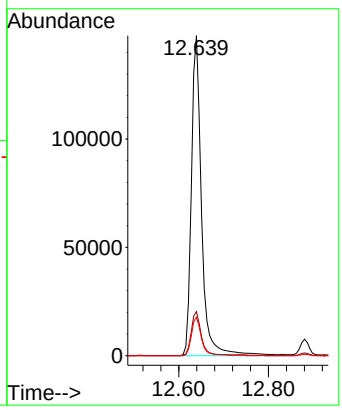


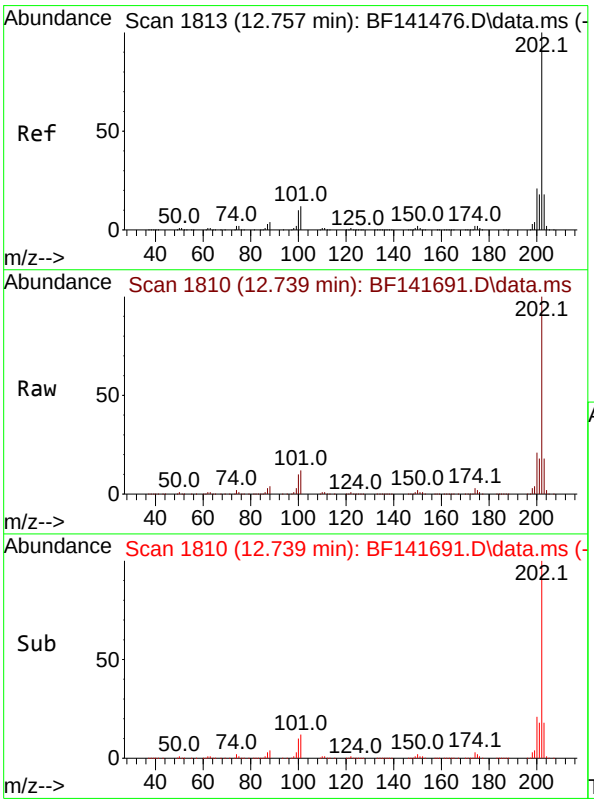
#77
Benzidine
Concen: 60.775 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:184 Resp: 232481

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.3	16.9
183	12.1	9.3	13.9

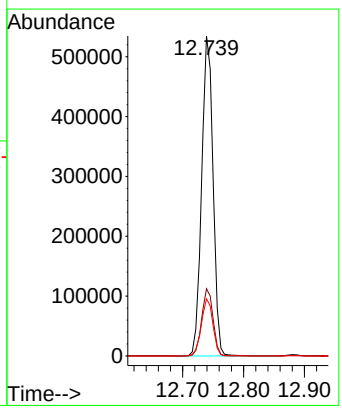


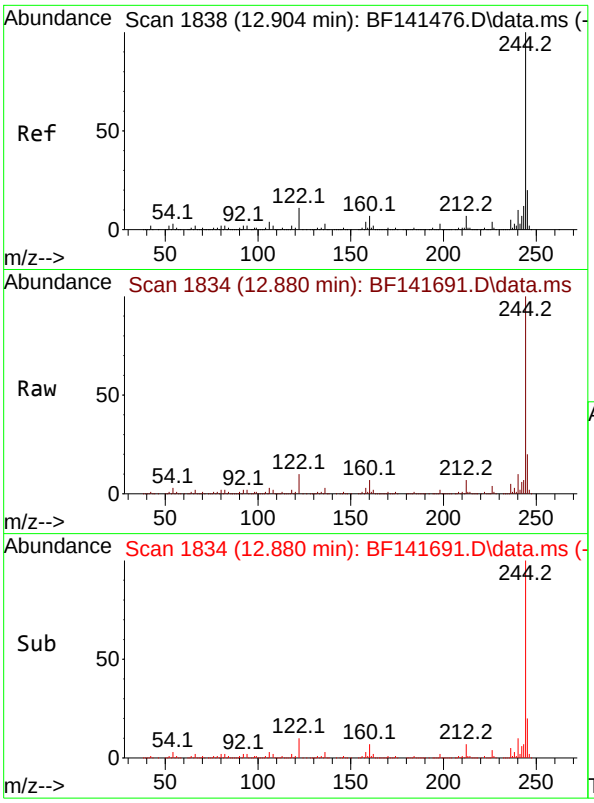


#78
Pyrene
Concen: 47.186 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:202 Resp: 696703

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.3	21.5



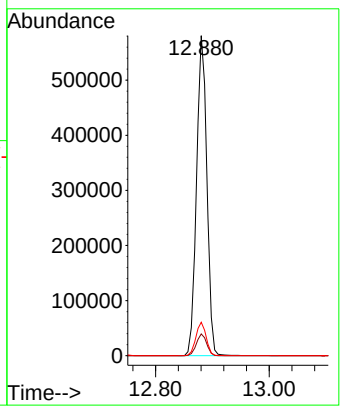


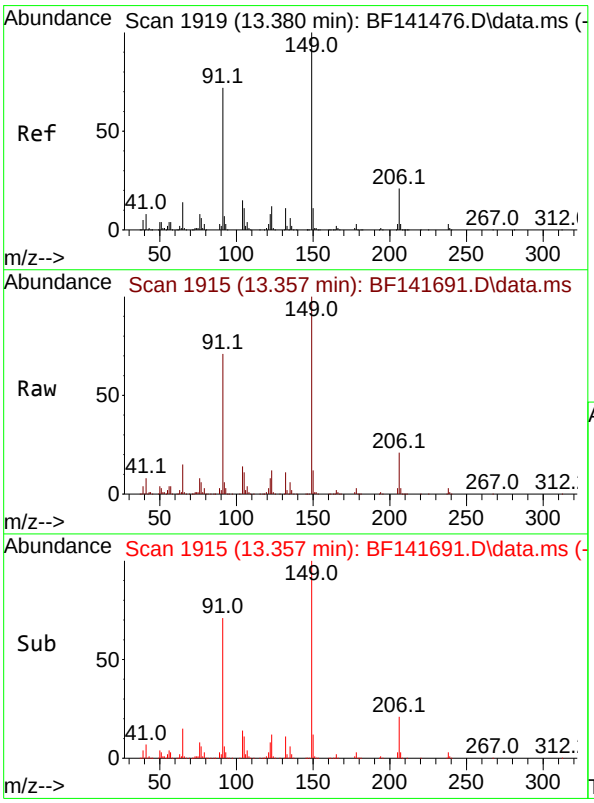
#79
Terphenyl-d14
Concen: 71.778 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:244 Resp: 737462

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.4	12.6

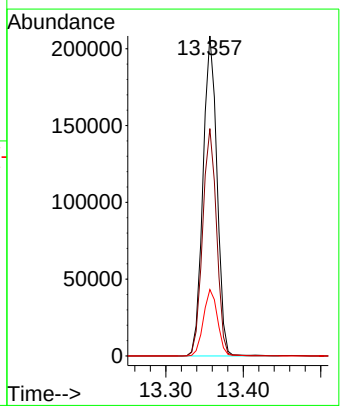


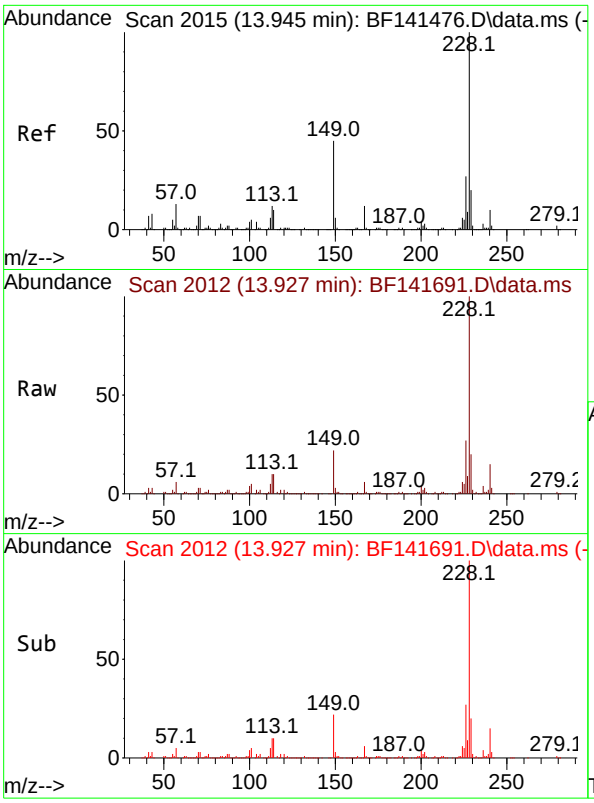


#80
Butylbenzylphthalate
Concen: 51.167 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 261679

Ion	Ratio	Lower	Upper
149	100		
91	71.1	57.8	86.8
206	20.7	16.7	25.1



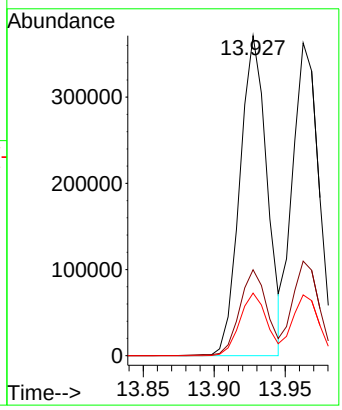


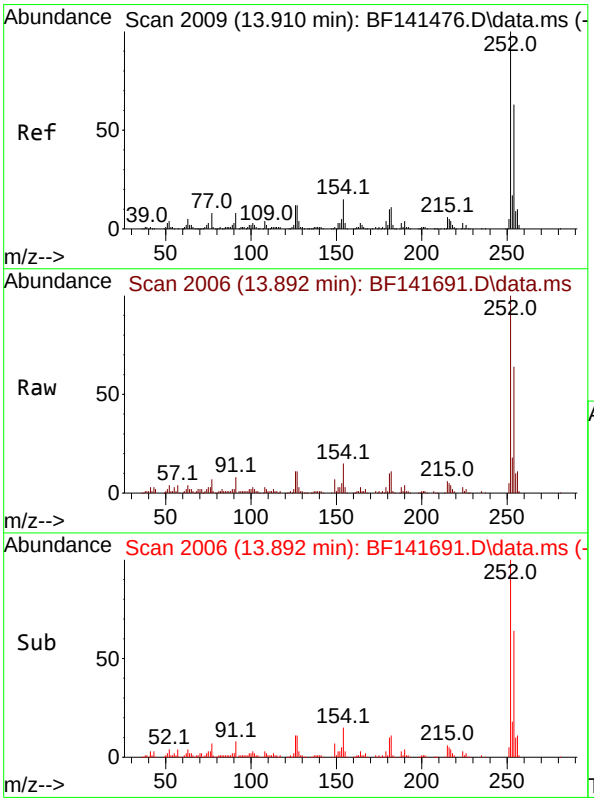
#81
Benzo(a)anthracene
Concen: 42.809 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:228 Resp: 493567

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.8	23.6

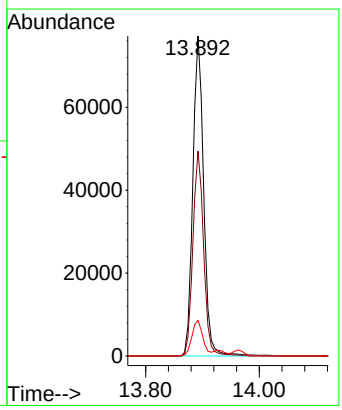


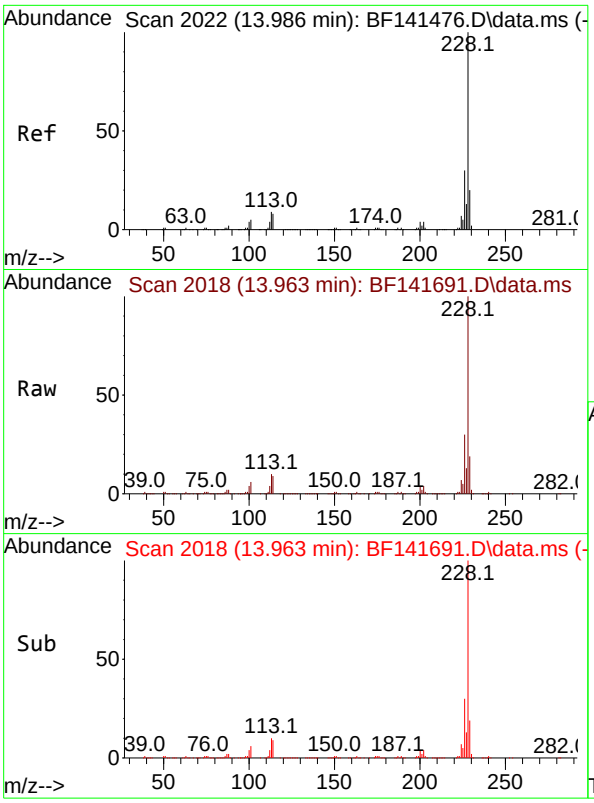


#82
3,3'-Dichlorobenzidine
Concen: 31.080 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:252 Resp: 102649

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.6	76.0
126	11.1	9.3	13.9



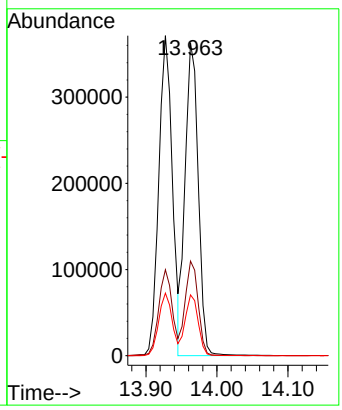


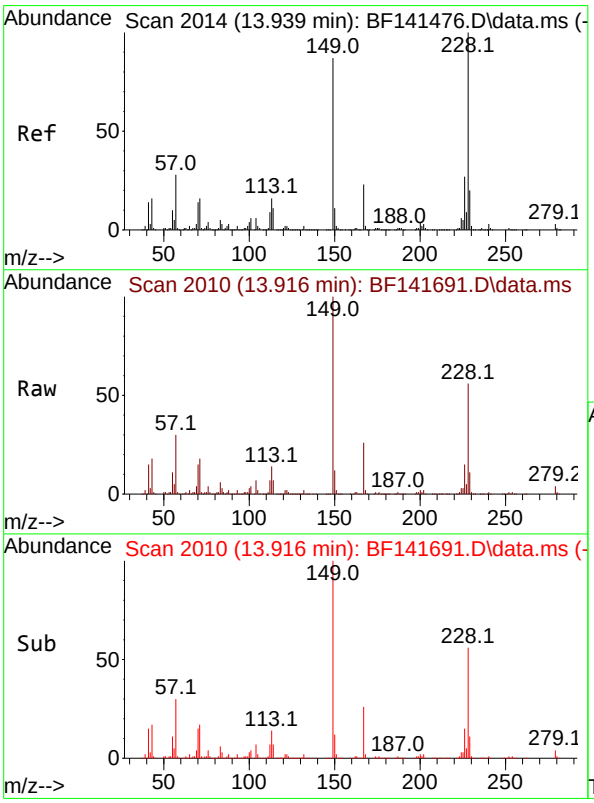
#83
Chrysene
Concen: 43.805 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:228 Resp: 466344

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.5	15.7	23.5

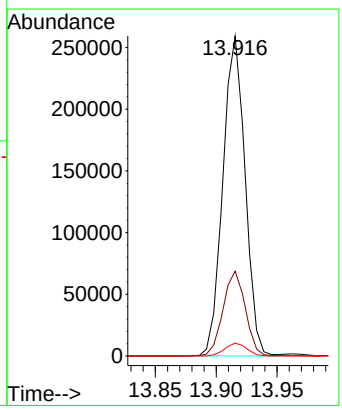


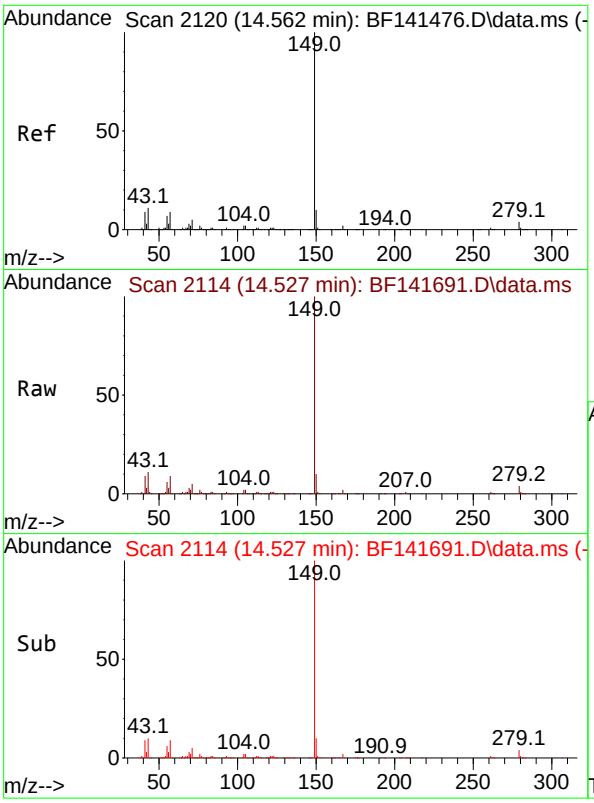


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.197 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:149 Resp: 329913

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.0	3.1	4.7



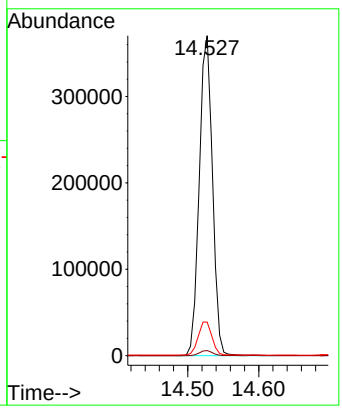


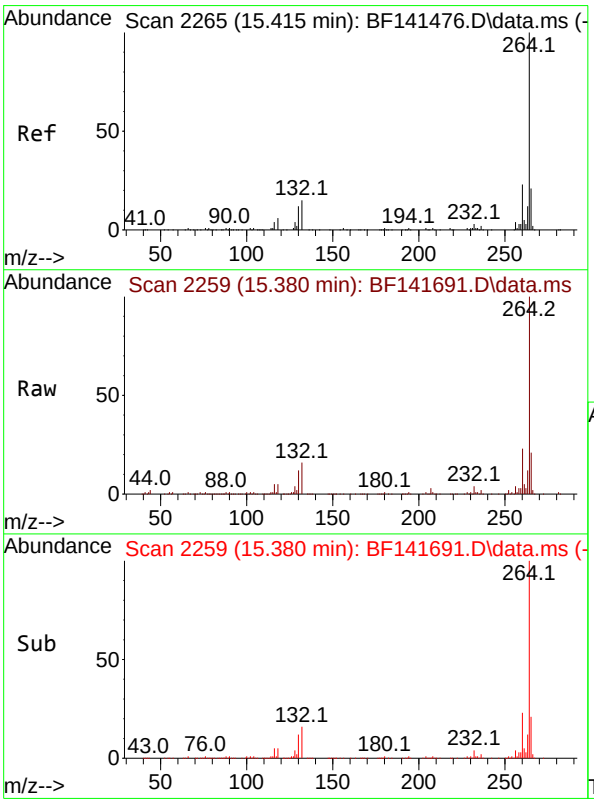
#85
Di-n-octyl phthalate
Concen: 58.294 ng
RT: 14.527 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:149 Resp: 479672

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.8	9.5	14.3

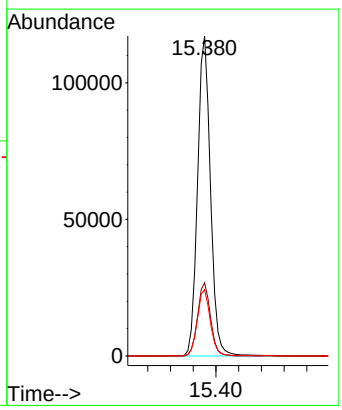


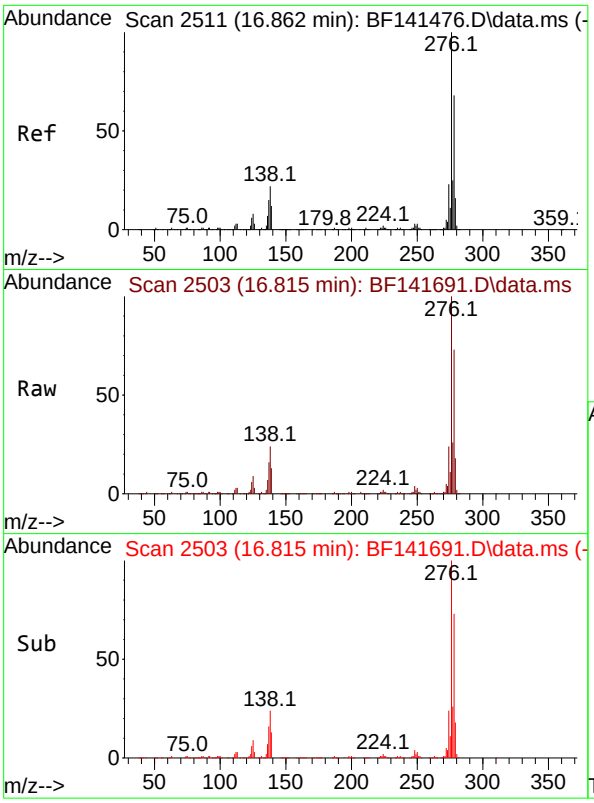


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:264 Resp: 184904

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	20.8	17.0	25.4



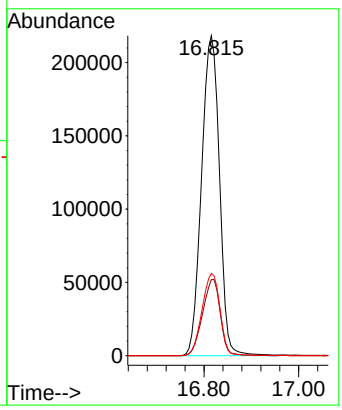


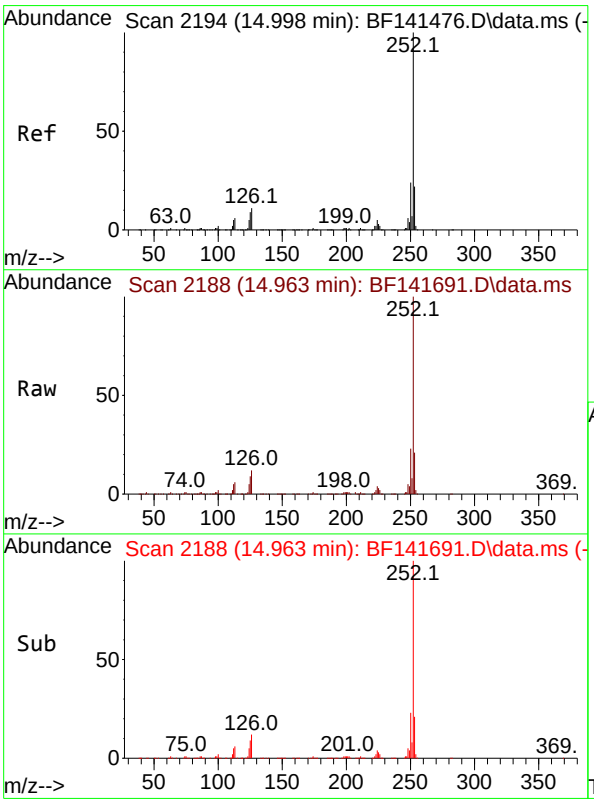
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.247 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:276 Resp: 574071

Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.0	27.0
277	25.8	20.4	30.6

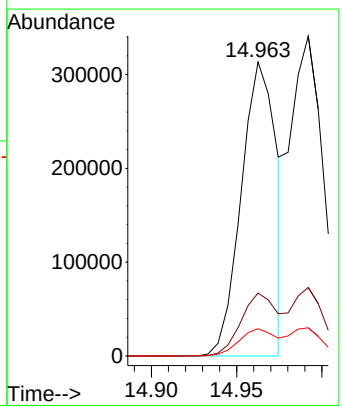


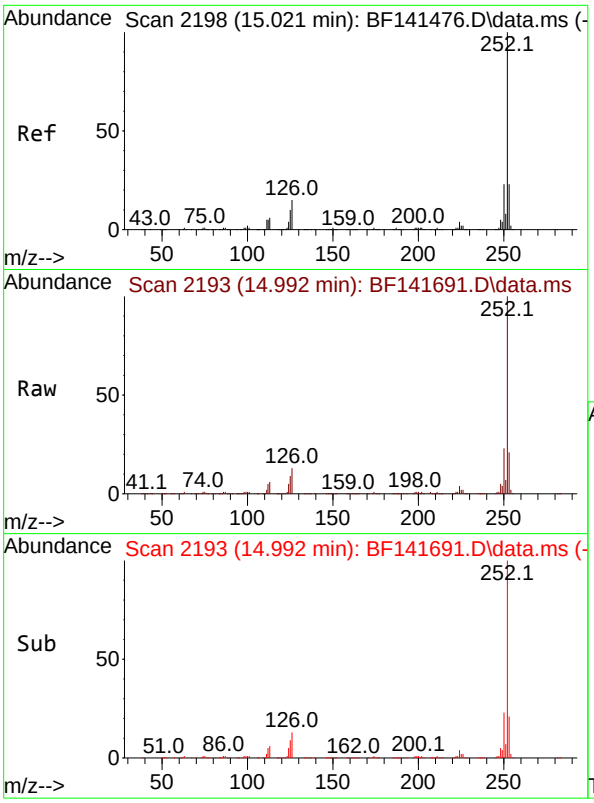


#88
Benzo(b)fluoranthene
Concen: 35.988 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:252 Resp: 446800

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	9.3	7.0	10.6



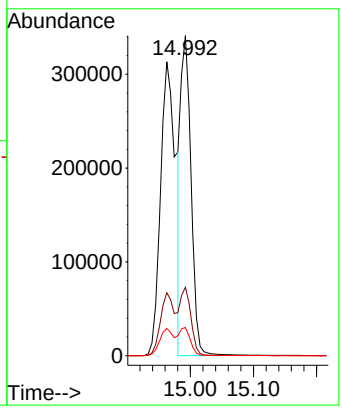


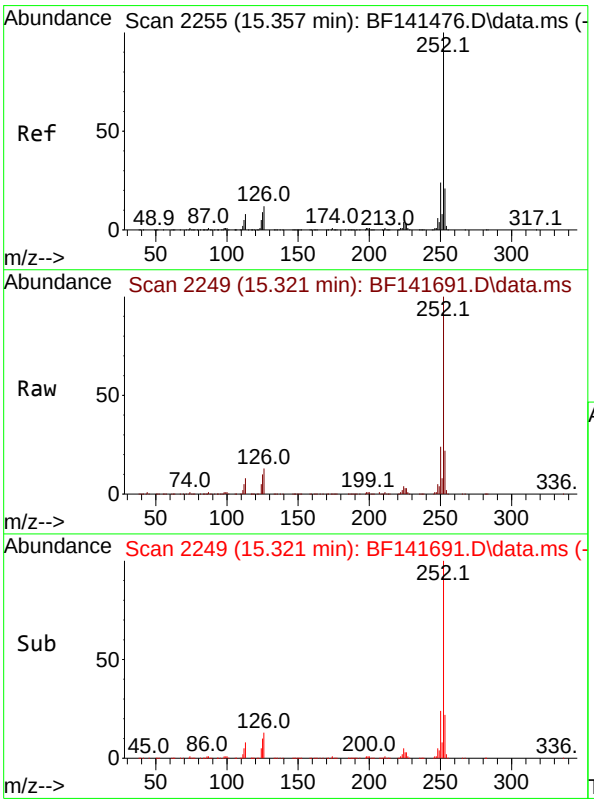
#89
Benzo(k)fluoranthene
Concen: 36.702 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:252 Resp: 389100

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	8.8	7.4	11.0

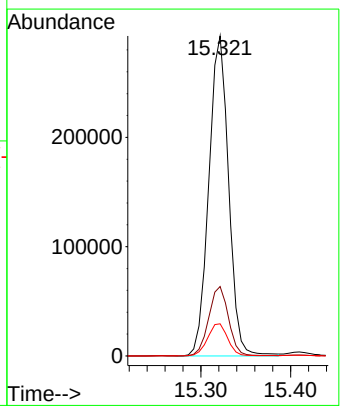


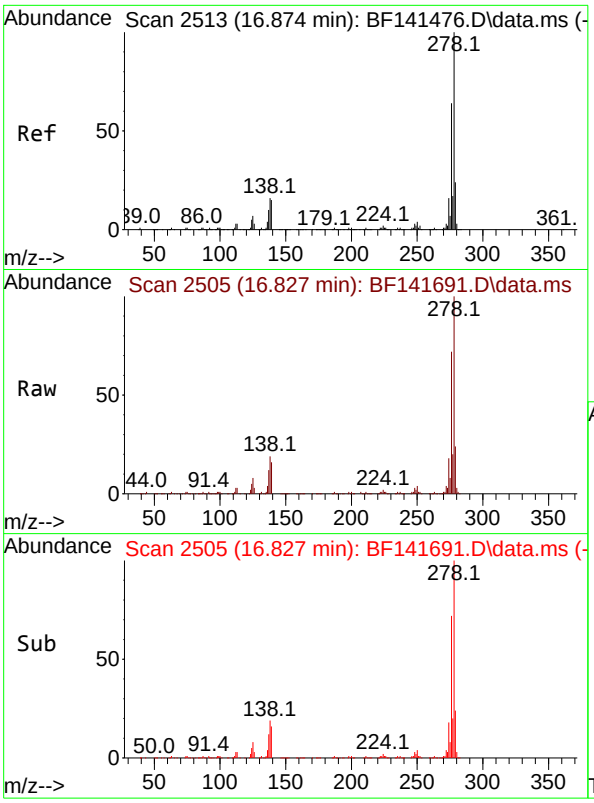


#90
Benzo(a)pyrene
Concen: 44.656 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:252 Resp: 448618

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	10.0	7.4	11.2



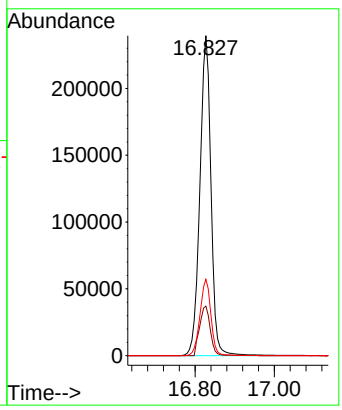


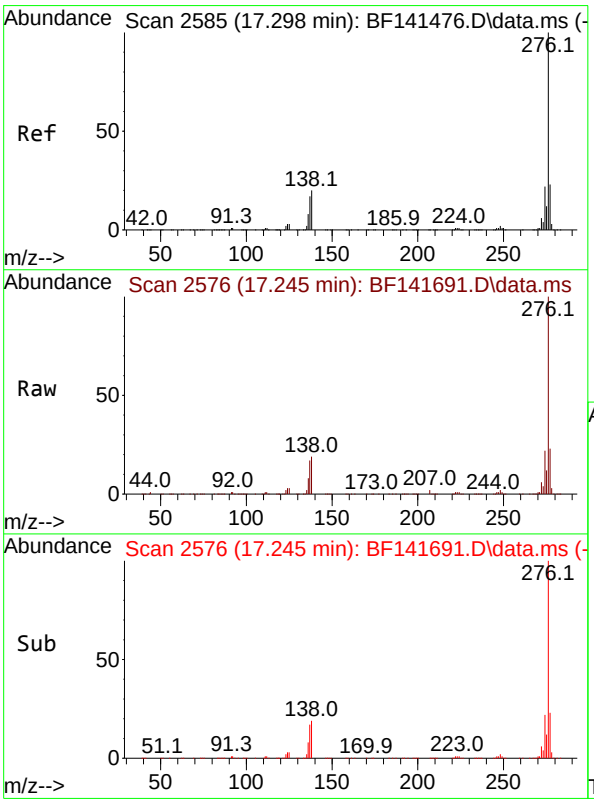
#91
Dibenzo(a,h)anthracene
Concen: 50.258 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MS

Tgt Ion:278 Resp: 465267

Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.8	17.6
279	23.8	19.1	28.7

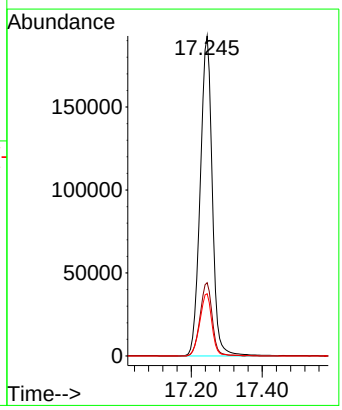




#92
Benzo(g,h,i)perylene
Concen: 47.060 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141691.D
Acq: 19 Feb 2025 23:06

Tgt Ion:276 Resp: 455897

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	19.4	15.9	23.9



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141692.D
Acq On : 19 Feb 2025 23:36
Operator : RC/JU
Sample : Q1383-09MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Quant Time: Feb 20 00:17:31 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	6.781	152	92518	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	366969	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	197029	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	324047	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	182126	20.000	ng	-0.02
86) Perylene-d12	15.380	264	184442	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	482935	81.835	ng	0.00
7) Phenol-d6	6.422	99	599239	80.340	ng	-0.02
23) Nitrobenzene-d5	7.346	82	383045	54.443	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	163279	82.496	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	757166	59.206	ng	-0.02
79) Terphenyl-d14	12.880	244	746397	69.185	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.558	88	98323	41.396	ng	98
3) Pyridine	3.287	79	223994	39.631	ng	96
4) n-Nitrosodimethylamine	3.240	42	134812	36.022	ng	90
6) Aniline	6.446	93	202029	28.875	ng	89
8) 2-Chlorophenol	6.569	128	266578	41.805	ng	100
9) Benzaldehyde	6.334	77	114851	28.976	ng	97
10) Phenol	6.440	94	320456	41.279	ng	91
11) bis(2-Chloroethyl)ether	6.516	93	248407	42.601	ng	99
12) 1,3-Dichlorobenzene	6.722	146	276012	41.000	ng	98
13) 1,4-Dichlorobenzene	6.798	146	280350	40.760	ng	99
14) 1,2-Dichlorobenzene	6.951	146	272235	42.645	ng	98
15) Benzyl Alcohol	6.928	79	217510	38.028	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	383738	38.445	ng	80
17) 2-Methylphenol	7.046	107	207532	41.589	ng	97
18) Hexachloroethane	7.293	117	105367	41.393	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	180218	40.393	ng	94
20) 3+4-Methylphenols	7.198	107	266930	42.091	ng	95
22) Acetophenone	7.193	105	401643	43.999	ng	94
24) Nitrobenzene	7.363	77	274339	39.987	ng	99
25) Isophorone	7.604	82	479529	42.746	ng	98
26) 2-Nitrophenol	7.681	139	142298	41.689	ng	95
27) 2,4-Dimethylphenol	7.722	122	209060	52.429	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	300963	41.868	ng	99
29) 2,4-Dichlorophenol	7.928	162	222878	41.368	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	236959	40.389	ng	99
31) Naphthalene	8.087	128	762787	39.932	ng	100
32) Benzoic acid	7.863	122	141292	34.113	ng	97
33) 4-Chloroaniline	8.145	127	55428	8.311	ng	98
34) Hexachlorobutadiene	8.198	225	146983	41.731	ng	99
35) Caprolactam	8.510	113	53998	32.918	ng	91
36) 4-Chloro-3-methylphenol	8.634	107	234396	39.276	ng	98
37) 2-Methylnaphthalene	8.775	142	480748	38.675	ng	100
38) 1-Methylnaphthalene	8.875	142	471566	39.169	ng	99
40) 1,2,4,5-Tetrachloroben...	8.940	216	264210	46.350	ng	99
41) Hexachlorocyclopentadiene	8.928	237	236493	124.735	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	152030	41.266	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141692.D
Acq On : 19 Feb 2025 23:36
Operator : RC/JU
Sample : Q1383-09MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Quant Time: Feb 20 00:17:31 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	9.104	196	162026	40.580	ng	98
46) 1,1'-Biphenyl	9.239	154	696564	45.601	ng	100
47) 2-Chloronaphthalene	9.263	162	473246	41.896	ng	99
48) 2-Nitroaniline	9.363	65	151507	39.967	ng	97
49) Acenaphthylene	9.675	152	727750	43.316	ng	99
50) Dimethylphthalate	9.539	163	558426	41.749	ng	99
51) 2,6-Dinitrotoluene	9.604	165	123354	42.186	ng	98
52) Acenaphthene	9.851	154	453211	40.125	ng	99
53) 3-Nitroaniline	9.775	138	65330	20.758	ng	99
54) 2,4-Dinitrophenol	9.892	184	113421	65.266	ng	89
55) Dibenzofuran	10.022	168	657047	39.631	ng	99
56) 4-Nitrophenol	9.957	139	172225	73.719	ng	92
57) 2,4-Dinitrotoluene	10.010	165	165457	42.505	ng	100
58) Fluorene	10.363	166	520245	40.584	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	135825	39.512	ng	96
60) Diethylphthalate	10.239	149	534039	40.580	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	254861	41.326	ng	98
62) 4-Nitroaniline	10.392	138	120000	37.551	ng	97
63) Azobenzene	10.516	77	537934	41.117	ng	95
65) 4,6-Dinitro-2-methylph...	10.422	198	82626	36.706	ng	91
66) n-Nitrosodiphenylamine	10.475	169	452194	43.593	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	158474	43.757	ng	99
68) Hexachlorobenzene	10.910	284	164312	44.060	ng	99
69) Atrazine	11.004	200	170819	54.892	ng	99
70) Pentachlorophenol	11.110	266	152772	64.066	ng	98
71) Phenanthrene	11.328	178	759629	42.586	ng	100
72) Anthracene	11.381	178	777263	43.348	ng	100
73) Carbazole	11.533	167	648416	40.189	ng	99
74) Di-n-butylphthalate	11.863	149	802925	43.100	ng	100
75) Fluoranthene	12.510	202	712981	37.702	ng	100
77) Benzidine	12.639	184	252977	62.982	ng	99
78) Pyrene	12.739	202	709190	45.743	ng	99
80) Butylbenzylphthalate	13.357	149	269709	50.224	ng	99
81) Benzo(a)anthracene	13.927	228	507165	41.892	ng	100
82) 3,3'-Dichlorobenzidine	13.892	252	107206	30.913	ng	99
83) Chrysene	13.963	228	476035	42.585	ng	99
84) Bis(2-ethylhexyl)phtha...	13.916	149	334366	55.207	ng	99
85) Di-n-octyl phthalate	14.527	149	499782	57.843	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	569511	49.972	ng	99
88) Benzo(b)fluoranthene	14.963	252	453916	36.652	ng	99
89) Benzo(k)fluoranthene	14.992	252	459485	43.450	ng	99
90) Benzo(a)pyrene	15.321	252	448930	44.799	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	463816	50.227	ng	100
92) Benzo(g,h,i)perylene	17.245	276	445339	46.085	ng	100

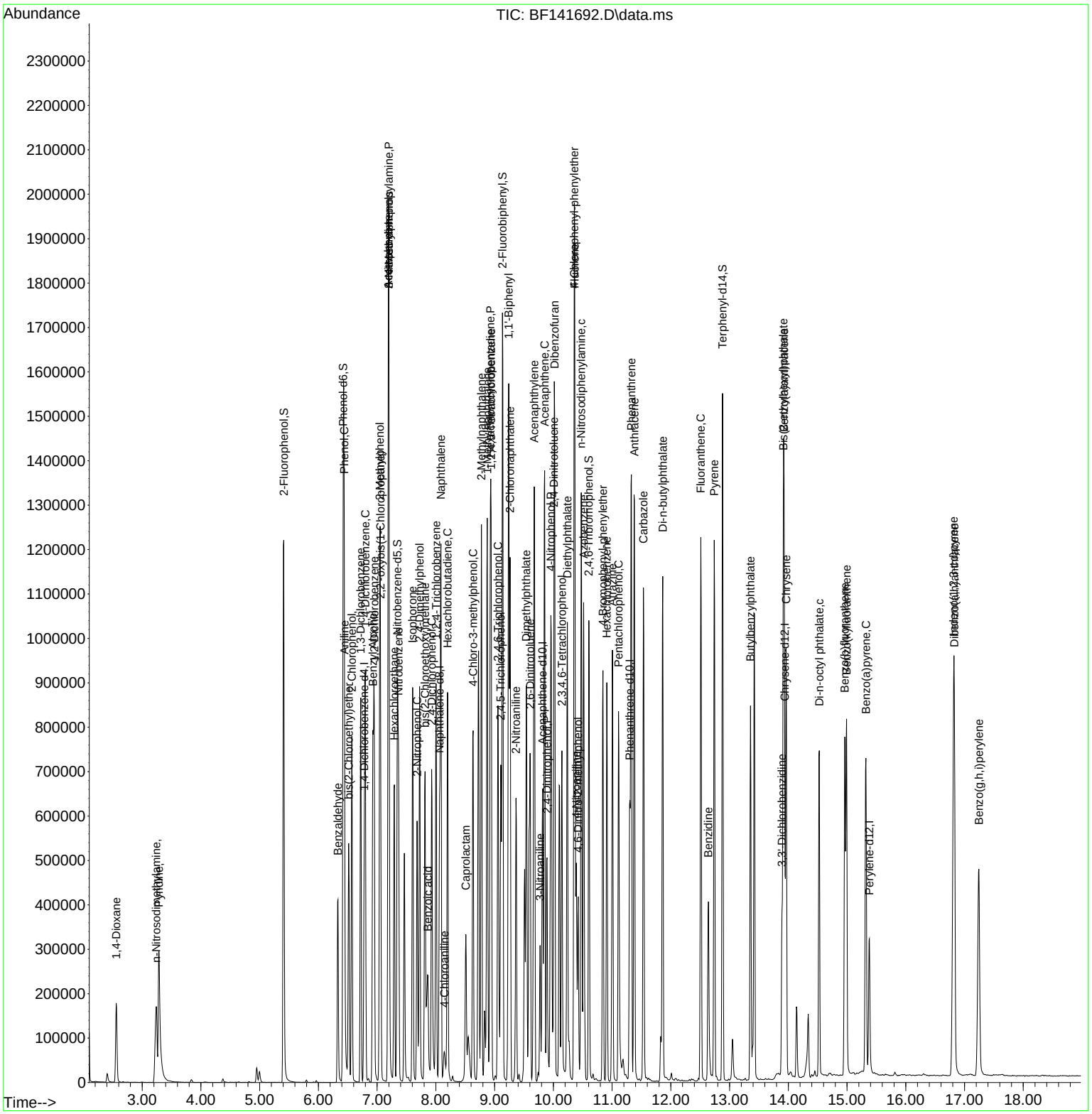
(#) = qualifier out of range (m) = manual integration (+) = signals summed

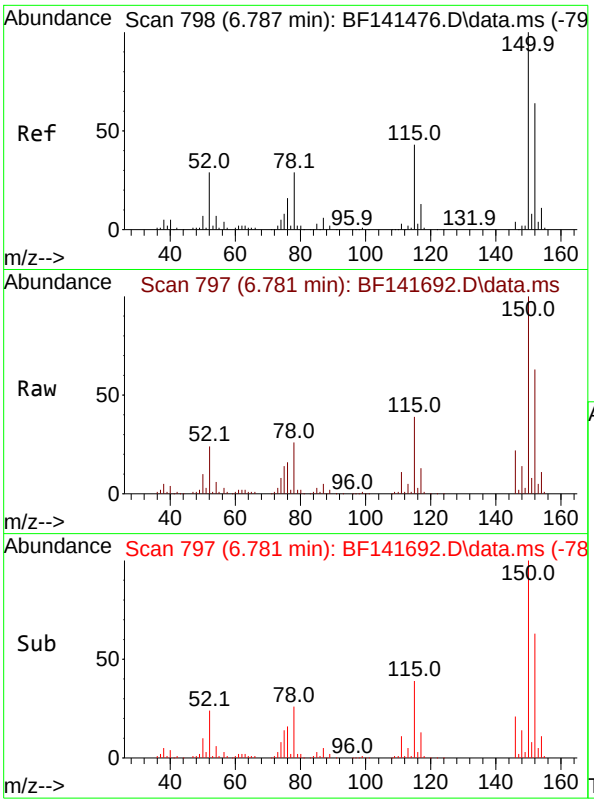
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141692.D
Acq On : 19 Feb 2025 23:36
Operator : RC/JU
Sample : Q1383-09MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Quant Time: Feb 20 00:17:31 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



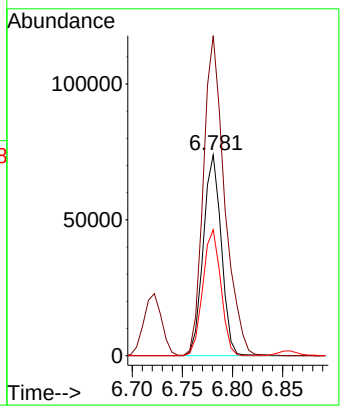


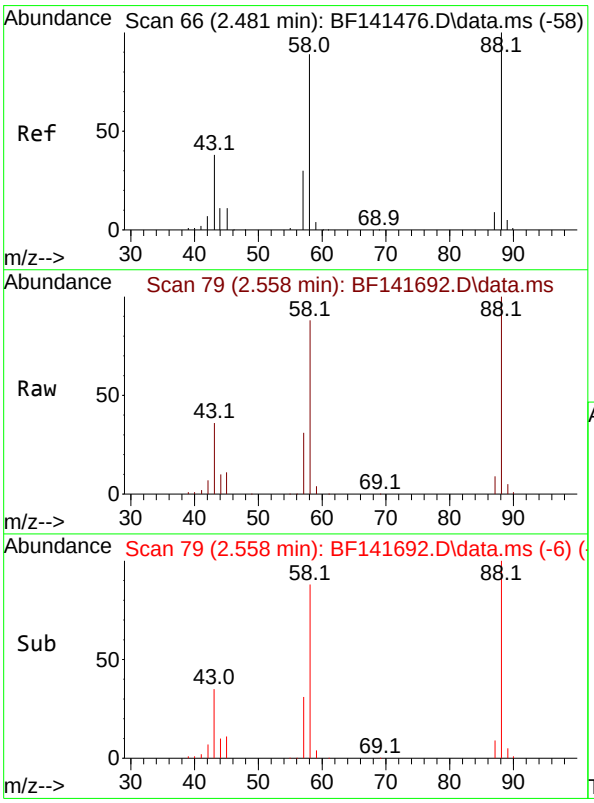
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:152 Resp: 92518

Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.0	187.4
115	62.7	53.6	80.4

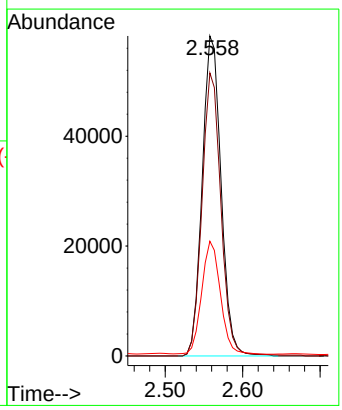


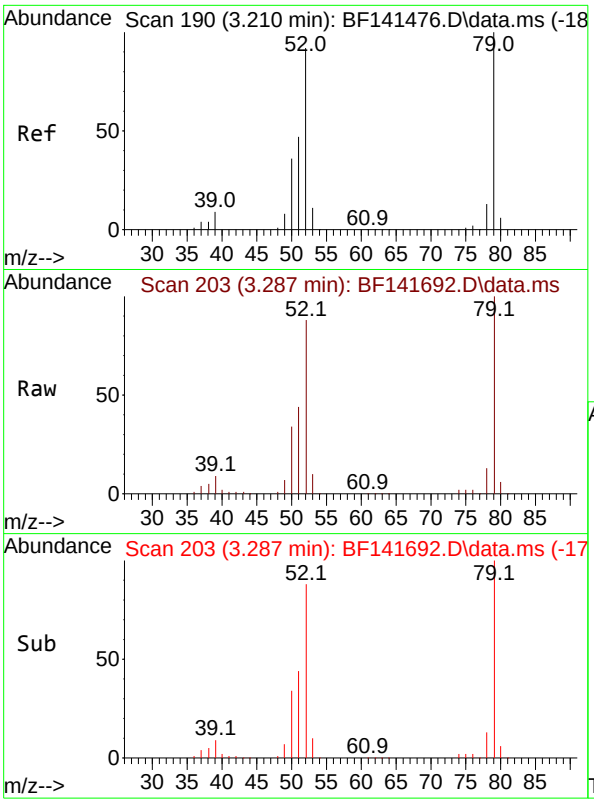


#2
1,4-Dioxane
Concen: 41.396 ng
RT: 2.558 min Scan# 79
Delta R.T. 0.077 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 88 Resp: 98323

Ion	Ratio	Lower	Upper
88	100		
58	88.7	71.1	106.7
43	35.0	30.6	46.0



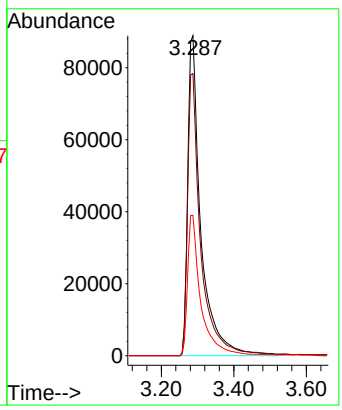


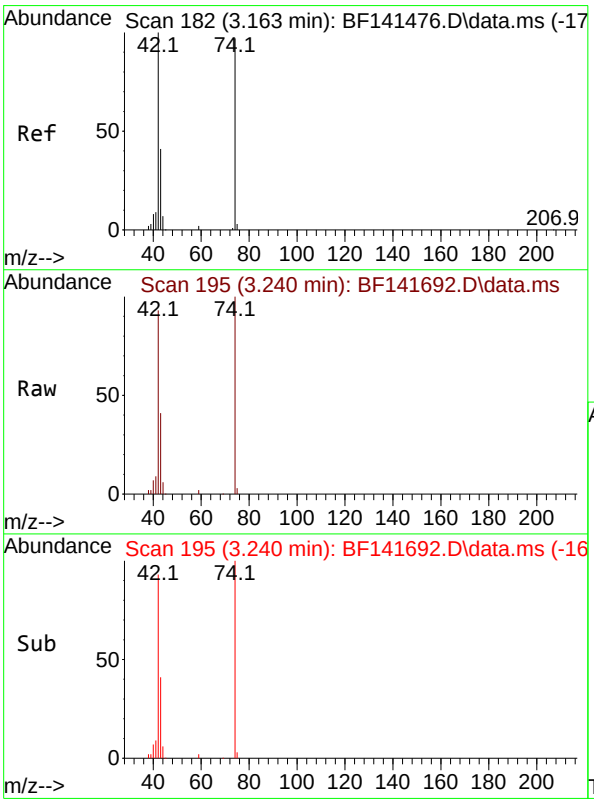
#3
Pyridine
Concen: 39.631 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.071 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 79 Resp: 223994

Ion	Ratio	Lower	Upper
79	100		
52	88.2	73.7	110.5
51	43.8	37.5	56.3

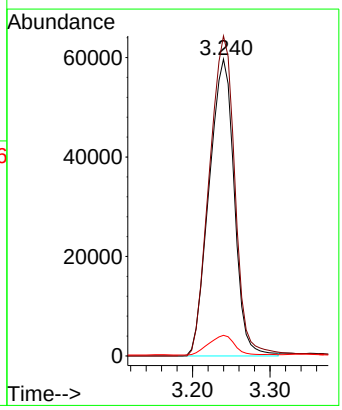


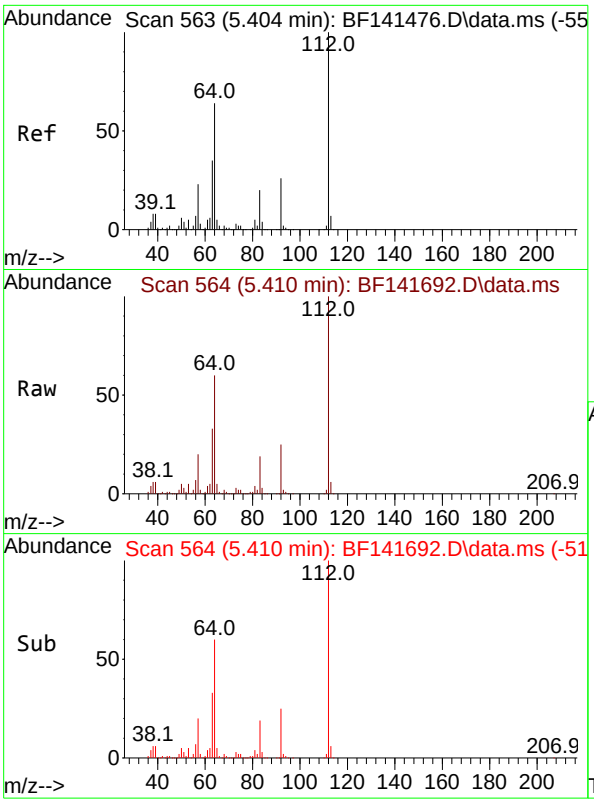


#4
n-Nitrosodimethylamine
Concen: 36.022 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 42 Resp: 134812

Ion	Ratio	Lower	Upper
42	100		
74	107.8	78.0	117.0
44	7.0	5.4	8.2



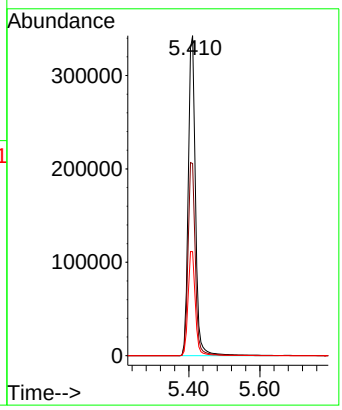


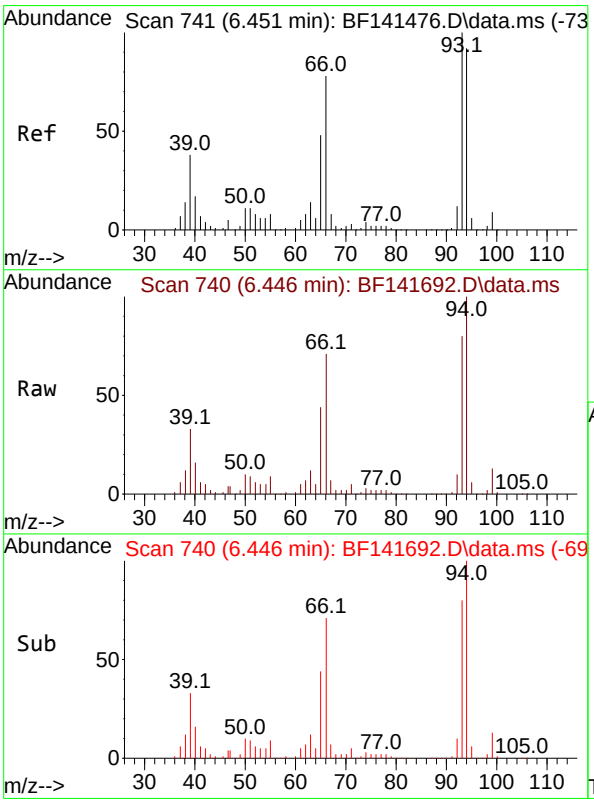
#5
2-Fluorophenol
Concen: 81.835 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:112 Resp: 482935

Ion	Ratio	Lower	Upper
112	100		
64	60.1	51.1	76.7
63	32.5	28.4	42.6

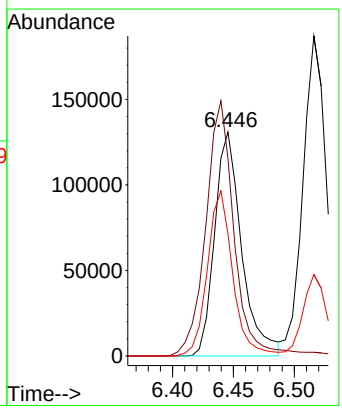


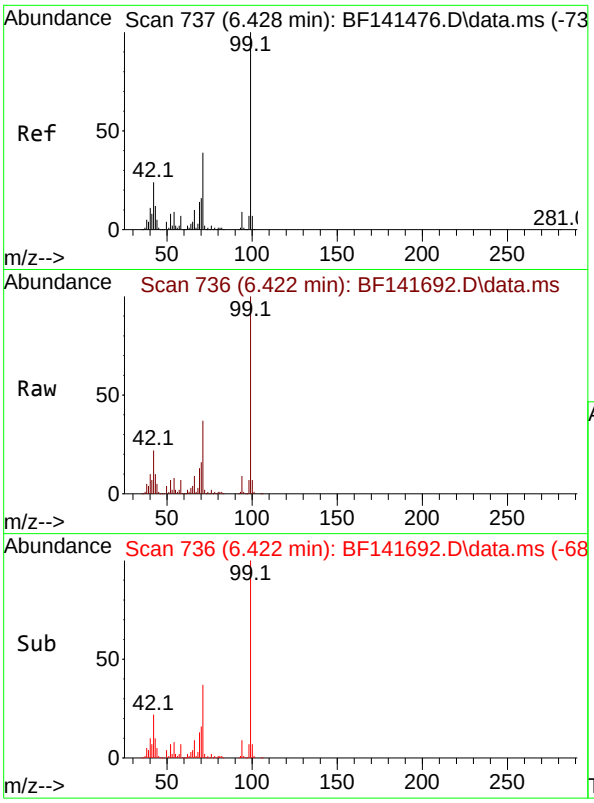


#6
Aniline
Concen: 28.875 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 93 Resp: 202029

Ion	Ratio	Lower	Upper
93	100		
66	88.3	62.6	94.0
65	54.6	38.3	57.5



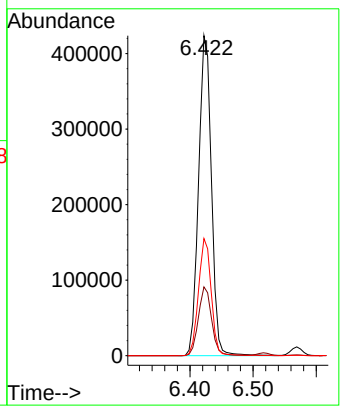


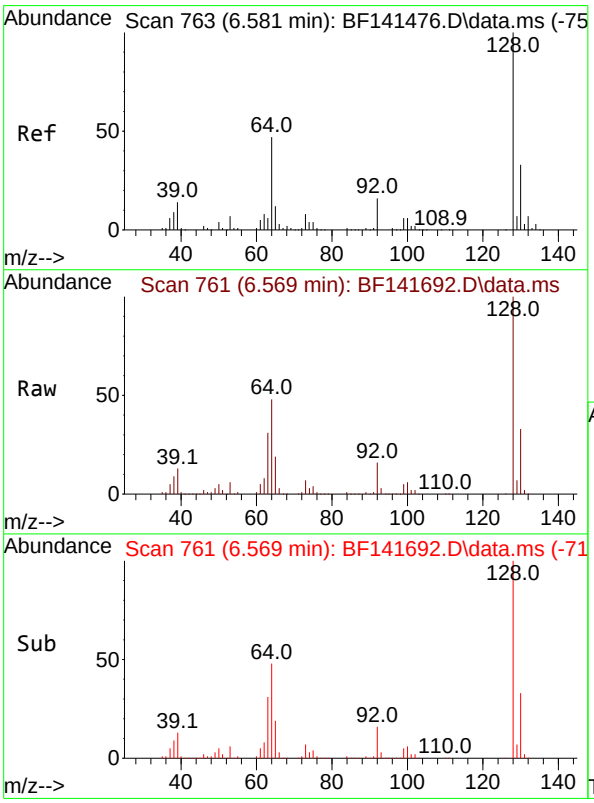
#7
Phenol-d6
Concen: 80.340 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 99 Resp: 599239

Ion	Ratio	Lower	Upper
99	100		
42	21.5	19.1	28.7
71	36.6	31.1	46.7

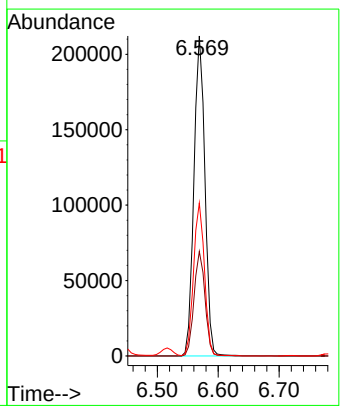


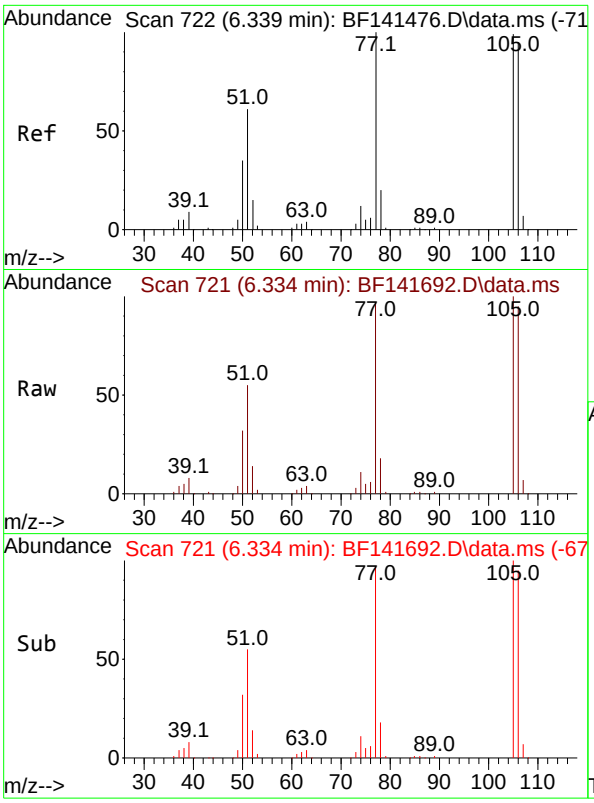


#8
2-Chlorophenol
Concen: 41.805 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:128 Resp: 266578

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	47.8	28.3	68.3



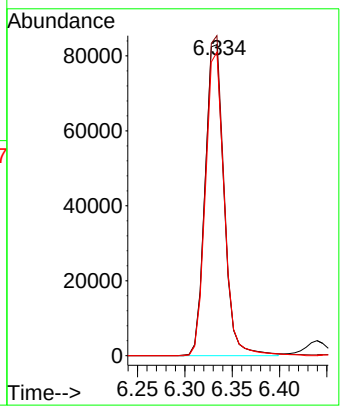


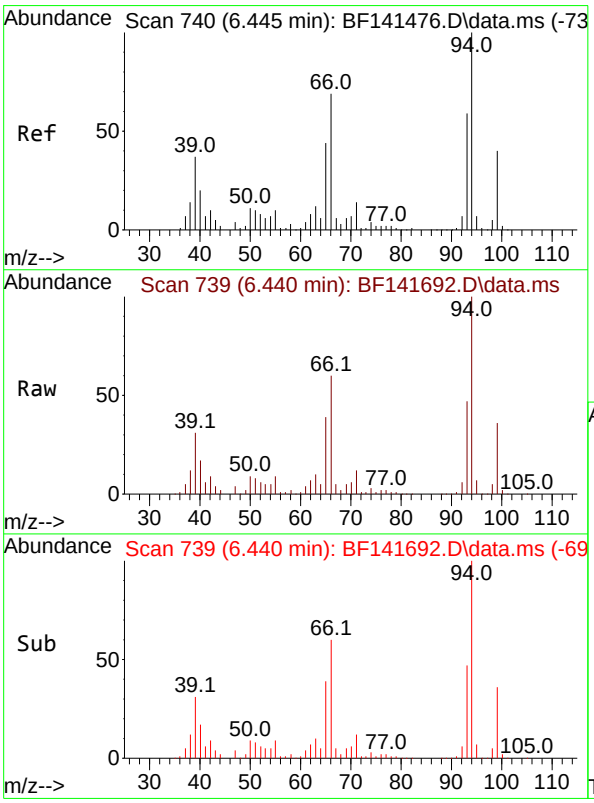
#9
Benzaldehyde
Concen: 28.976 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 77 Resp: 114851

Ion	Ratio	Lower	Upper
77	100		
105	102.9	79.4	119.4
106	97.6	75.1	115.1

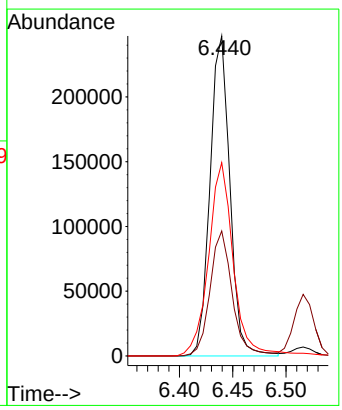


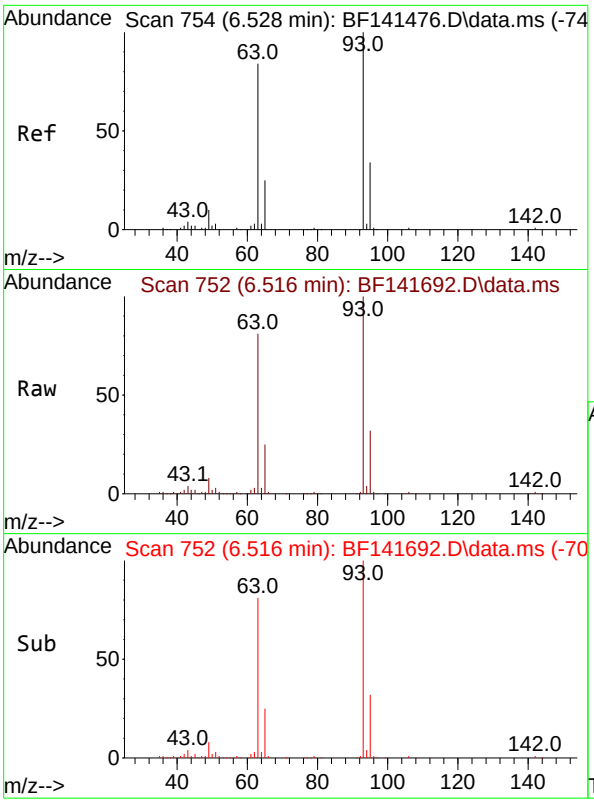


#10
Phenol
Concen: 41.279 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 94 Resp: 320456

Ion	Ratio	Lower	Upper
94	100		
65	39.1	23.7	63.7
66	60.4	49.3	89.3



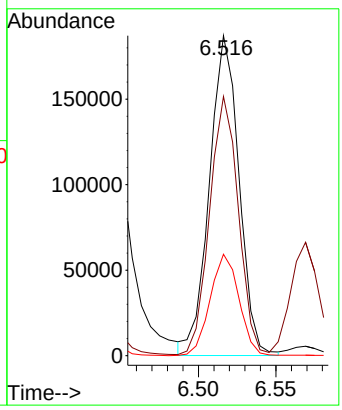


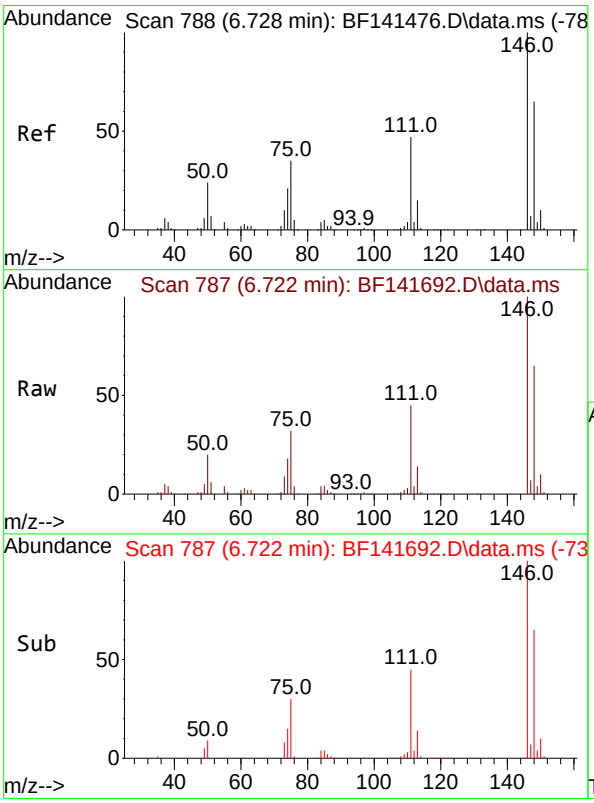
#11
bis(2-Chloroethyl)ether
Concen: 42.601 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 93 Resp: 248407

Ion	Ratio	Lower	Upper
93	100		
63	81.0	62.0	102.0
95	31.7	12.6	52.6

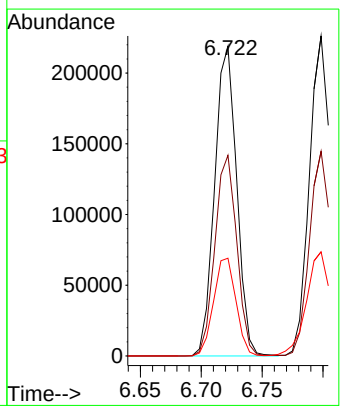


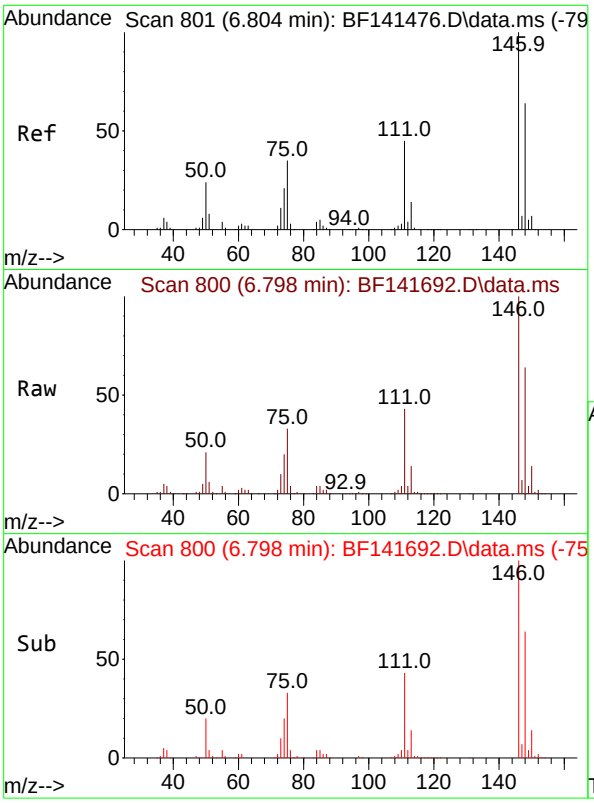


#12
1,3-Dichlorobenzene
Concen: 41.000 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:146 Resp: 276012

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
75	31.6	28.2	42.2



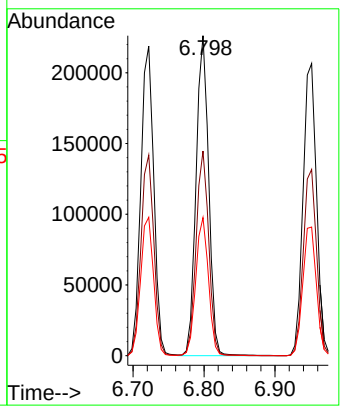


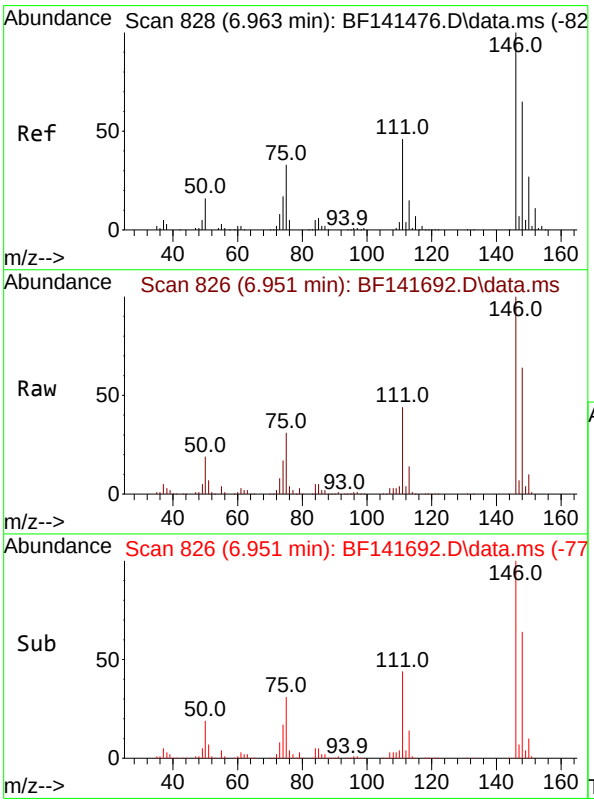
#13
1,4-Dichlorobenzene
Concen: 40.760 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:146 Resp: 280350

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.9	76.3
111	43.2	35.9	53.9

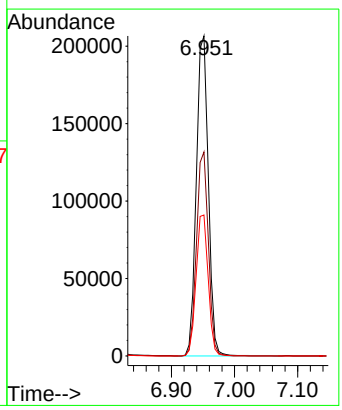


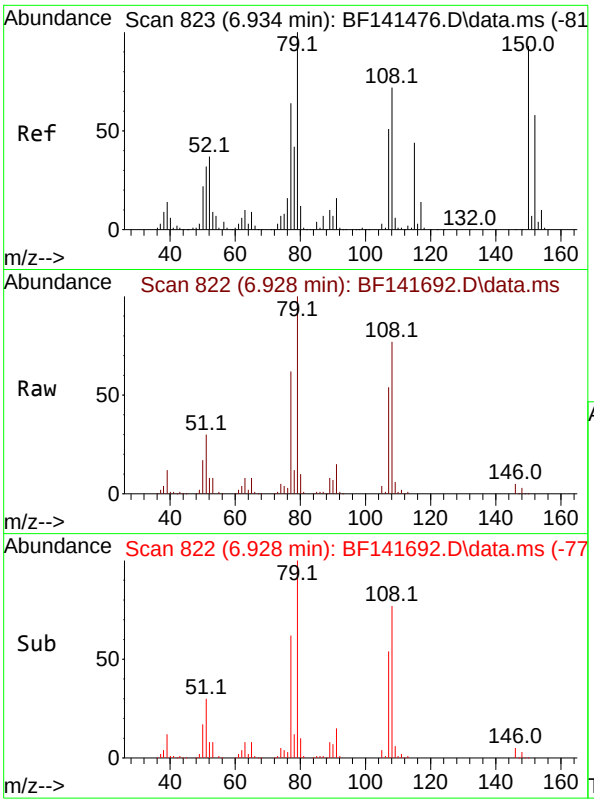


#14
1,2-Dichlorobenzene
Concen: 42.645 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:146 Resp: 272235

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	44.0	37.0	55.4



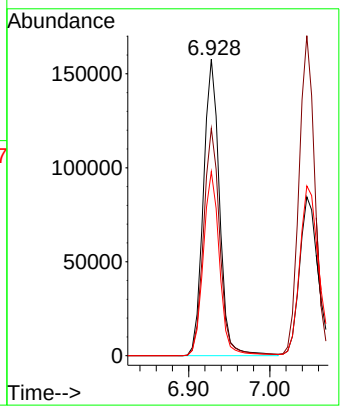


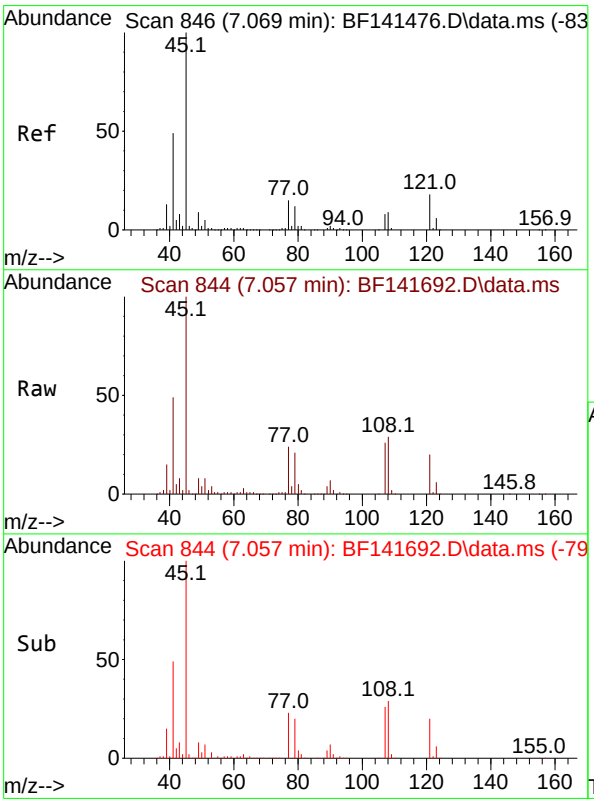
#15
Benzyl Alcohol
Concen: 38.028 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 79 Resp: 217510

Ion	Ratio	Lower	Upper
79	100		
108	76.6	57.4	86.2
77	62.1	50.9	76.3

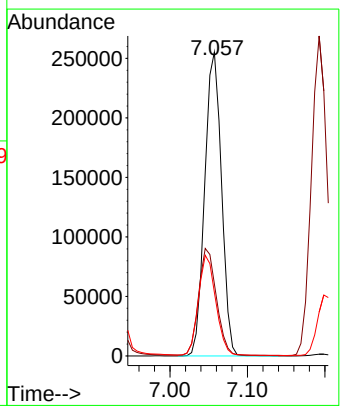


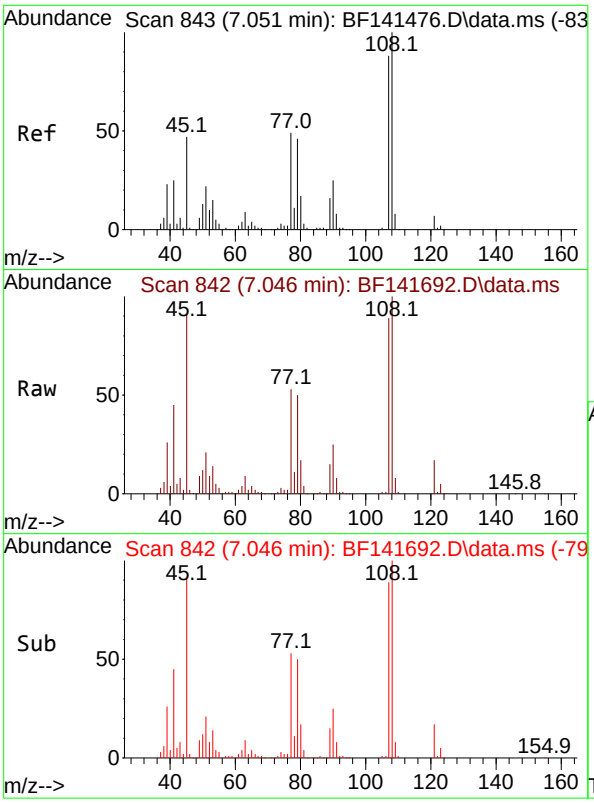


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.445 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 45 Resp: 383738

Ion	Ratio	Lower	Upper
45	100		
77	23.8	0.0	35.8
79	21.0	0.0	32.7



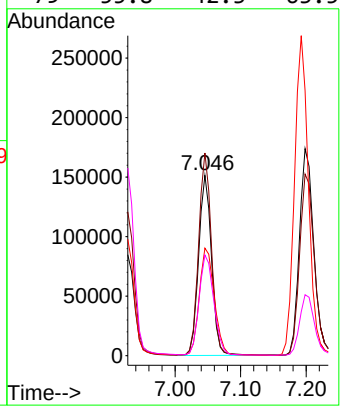


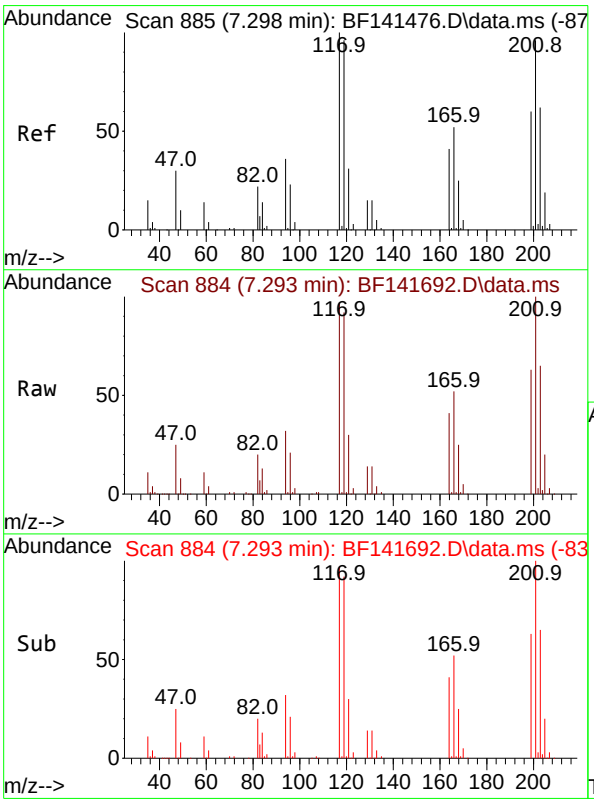
#17
2-Methylphenol
Concen: 41.589 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:107 Resp: 207532

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	136.0
77	59.6	44.4	66.6
79	55.8	42.3	63.5

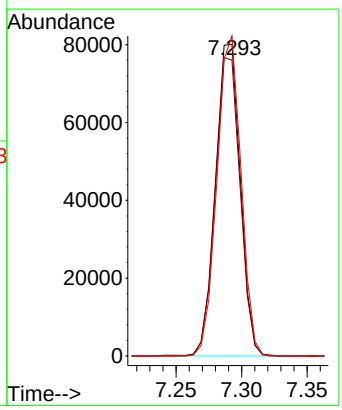


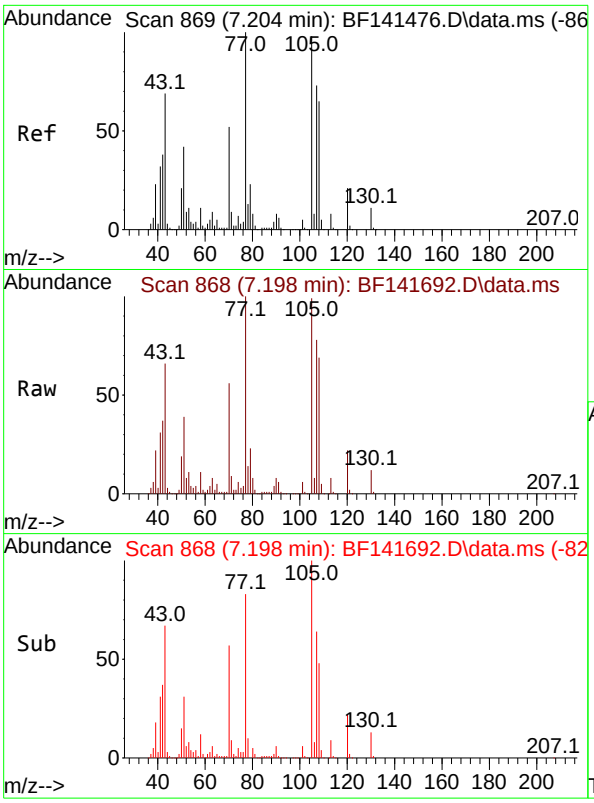


#18
Hexachloroethane
Concen: 41.393 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:117 Resp: 105367

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
201	102.7	76.7	115.1



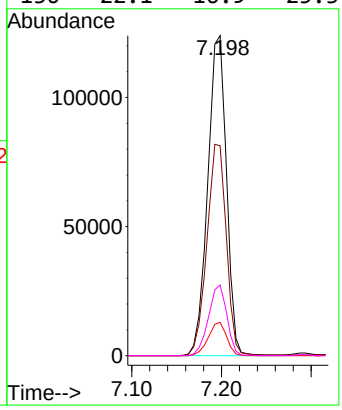


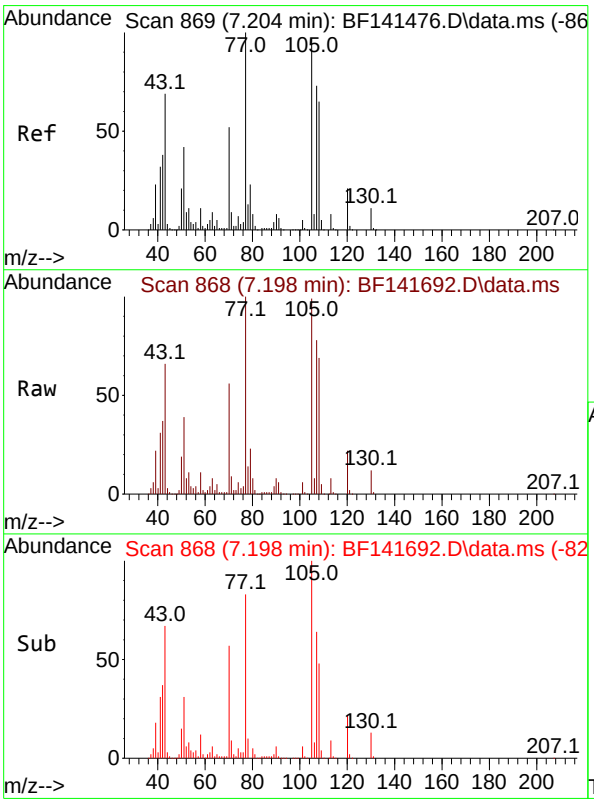
#19
n-Nitroso-di-n-propylamine
Concen: 40.393 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 70 Resp: 180218

Ion	Ratio	Lower	Upper
70	100		
42	65.6	57.4	86.2
101	10.4	8.0	12.0
130	22.1	16.9	25.3

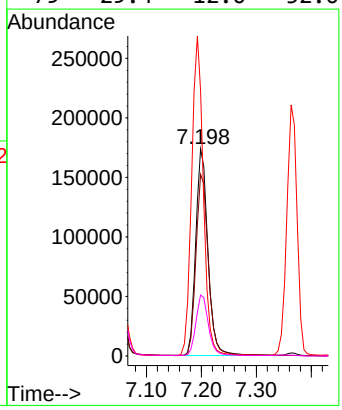


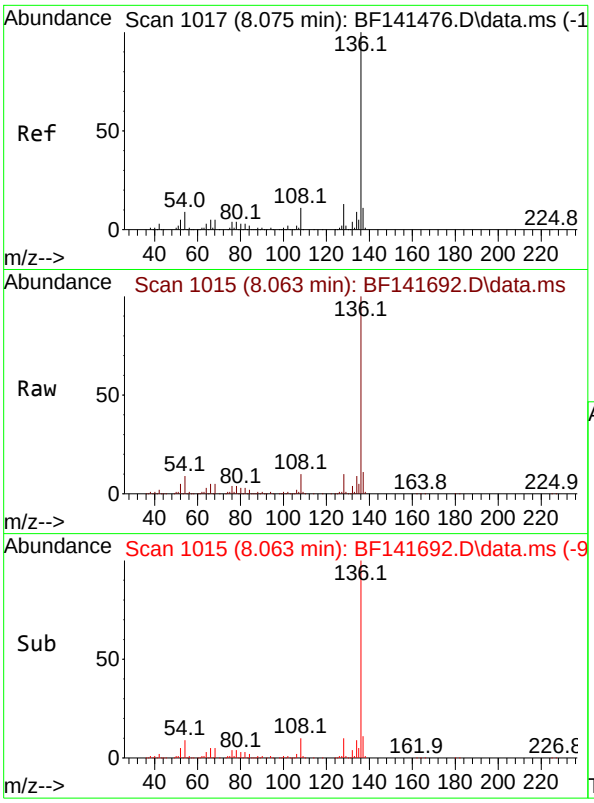


#20
3+4-Methylphenols
Concen: 42.091 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:107 Resp: 266930

Ion	Ratio	Lower	Upper
107	100		
108	87.7	68.5	108.5
77	128.0	116.5	156.5
79	29.4	12.0	52.0



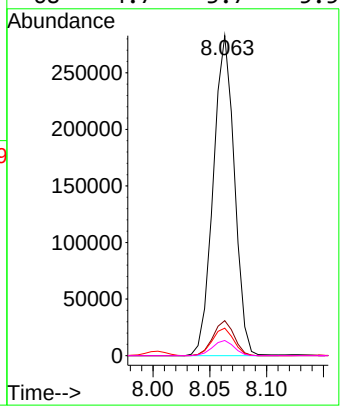


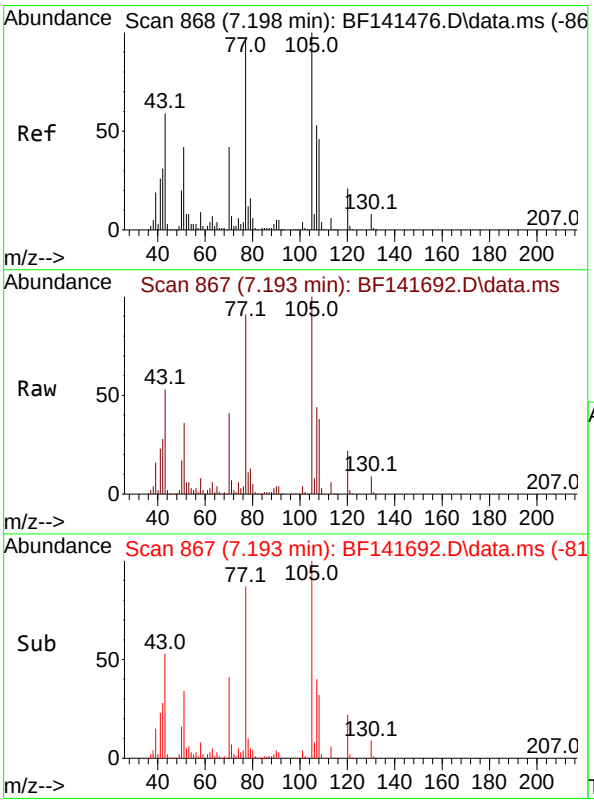
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:136 Resp: 366969

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	7.2	10.8
68	4.7	3.7	5.5

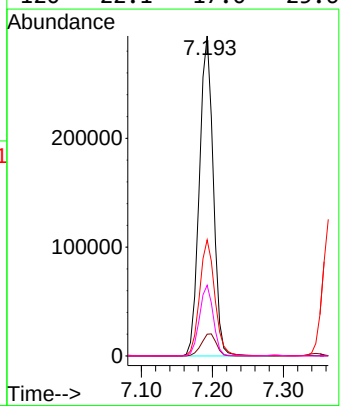


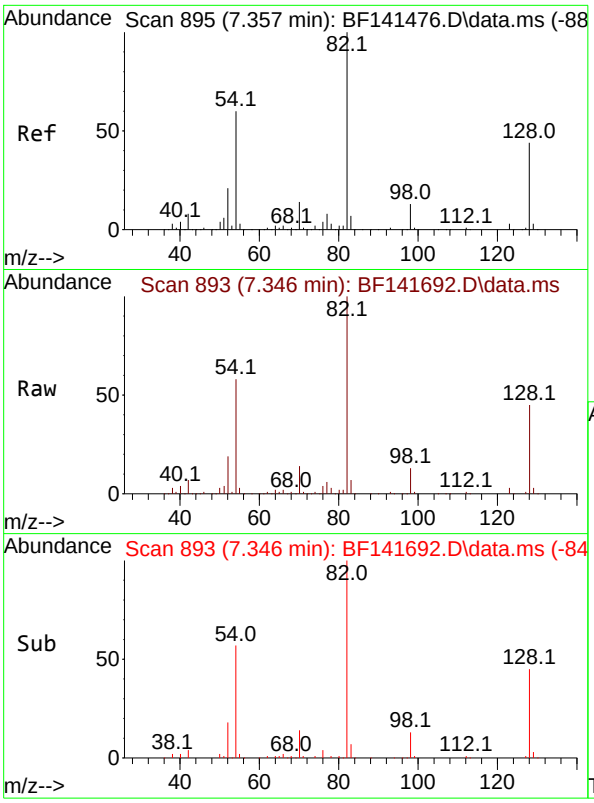


#22
Acetophenone
Concen: 43.999 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:105 Resp: 401643

Ion	Ratio	Lower	Upper
105	100		
71	6.8	5.7	8.5
51	36.3	33.7	50.5
120	22.1	17.0	25.6



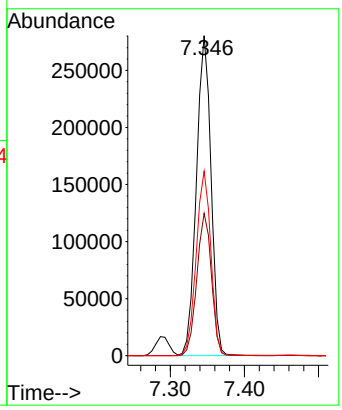


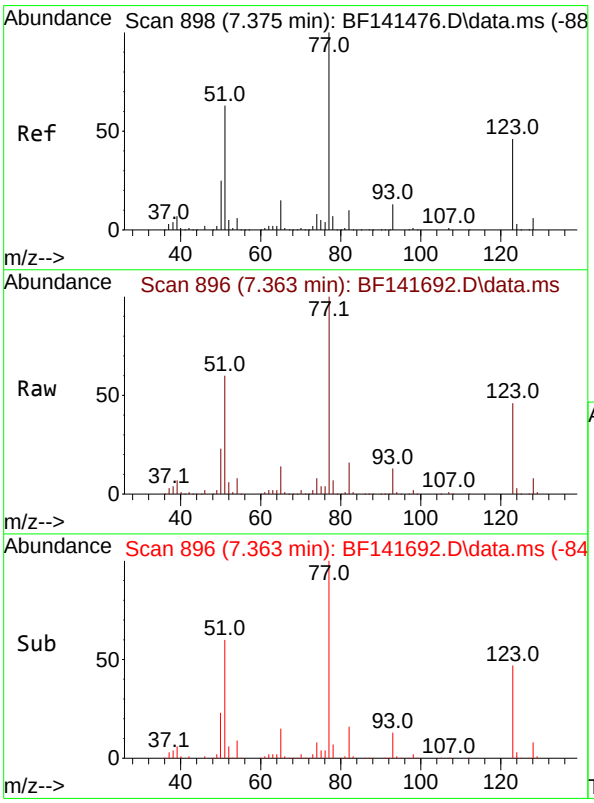
#23
Nitrobenzene-d5
Concen: 54.443 ng
RT: 7.346 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 82 Resp: 383045

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.8	52.2
54	57.6	48.2	72.4

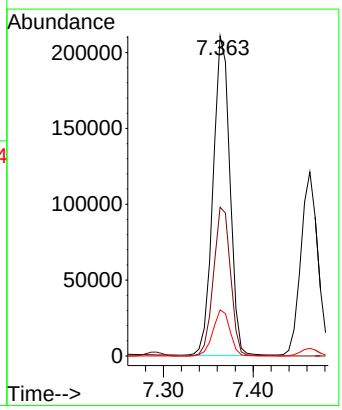


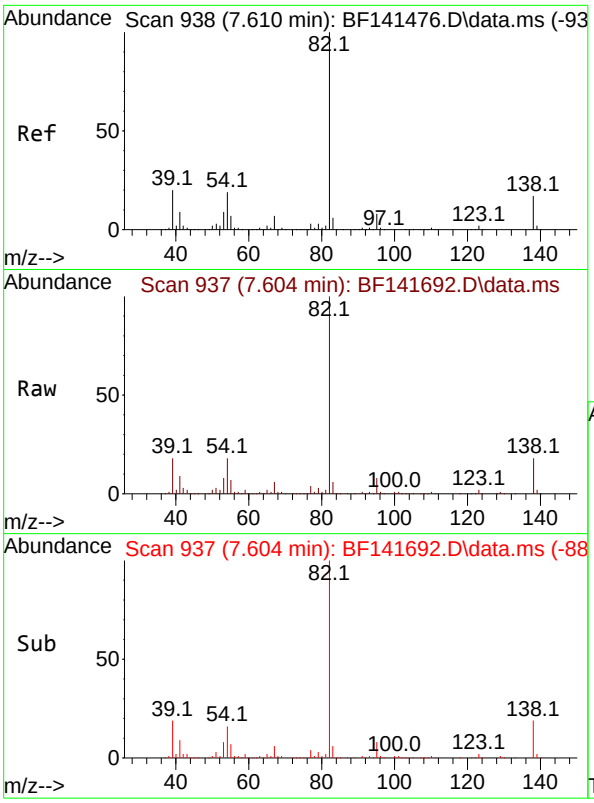


#24
Nitrobenzene
Concen: 39.987 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 77 Resp: 274339

Ion	Ratio	Lower	Upper
77	100		
123	46.5	36.9	55.3
65	14.4	11.9	17.9



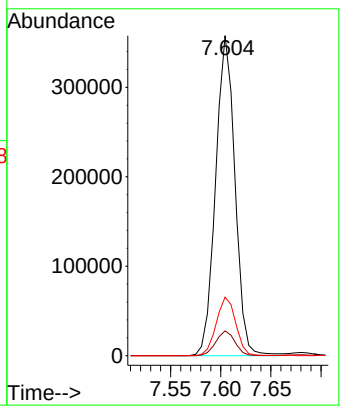


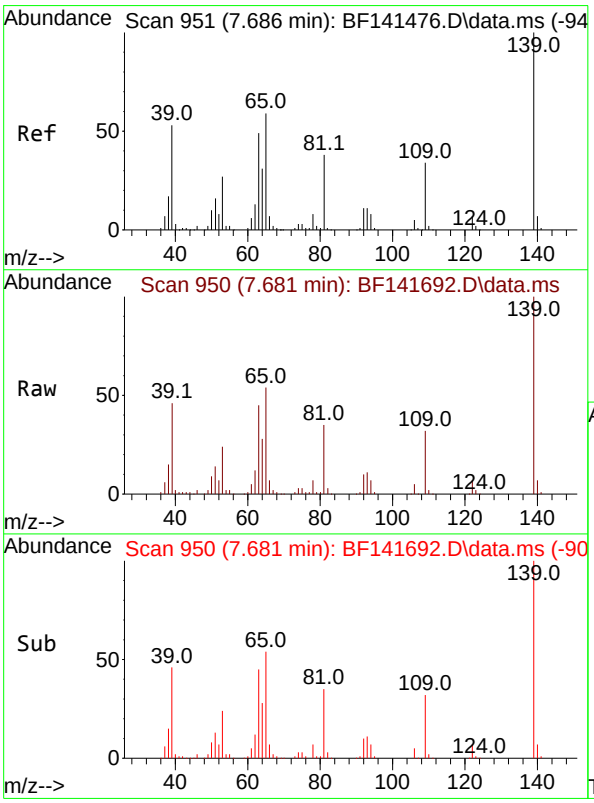
#25
Isophorone
Concen: 42.746 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 82 Resp: 479529

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.3	13.9	20.9

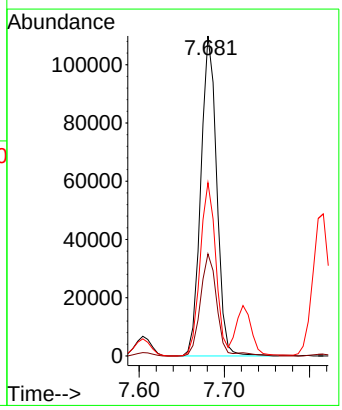


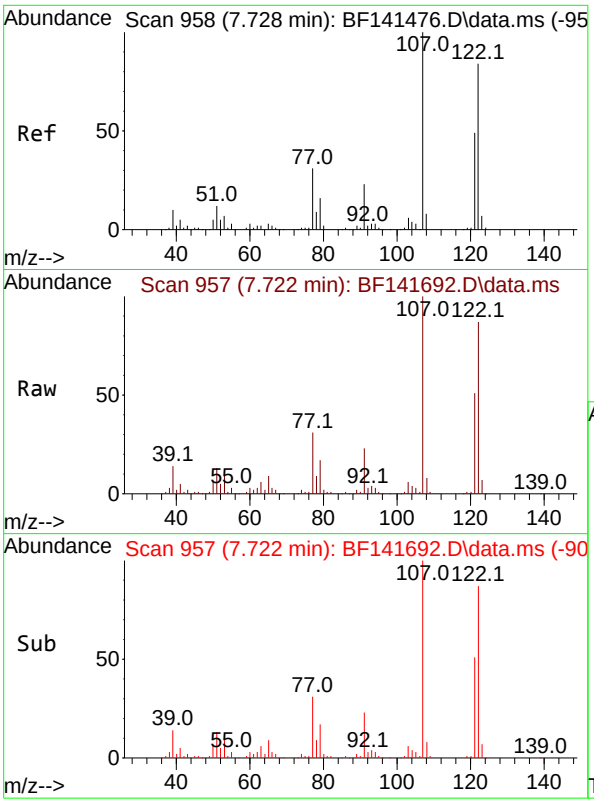


#26
2-Nitrophenol
Concen: 41.689 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:139 Resp: 142298

Ion	Ratio	Lower	Upper
139	100		
109	31.9	27.0	40.6
65	54.2	47.1	70.7



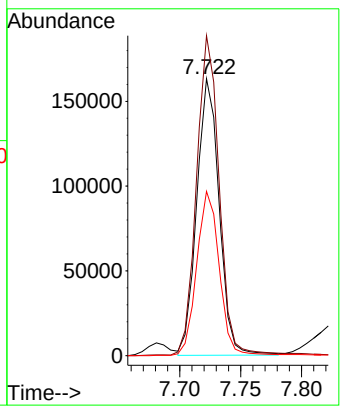


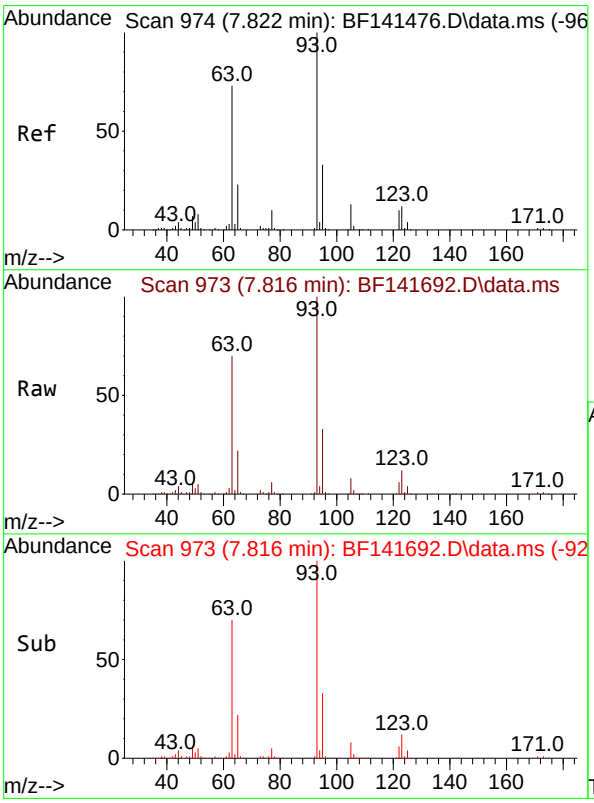
#27
2,4-Dimethylphenol
Concen: 52.429 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:122 Resp: 209060

Ion	Ratio	Lower	Upper
122	100		
107	115.6	94.3	141.5
121	59.3	46.0	69.0

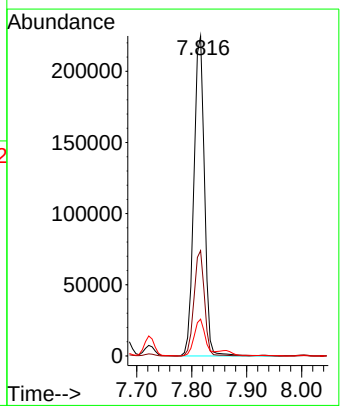


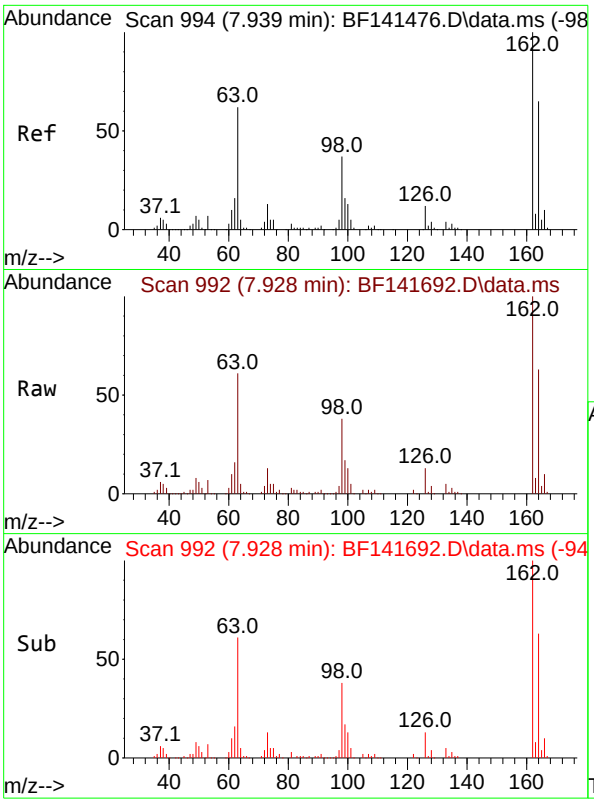


#28
bis(2-Chloroethoxy)methane
Concen: 41.868 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 93 Resp: 300963

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.5	9.5	14.3



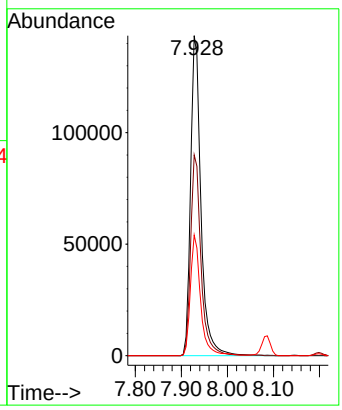


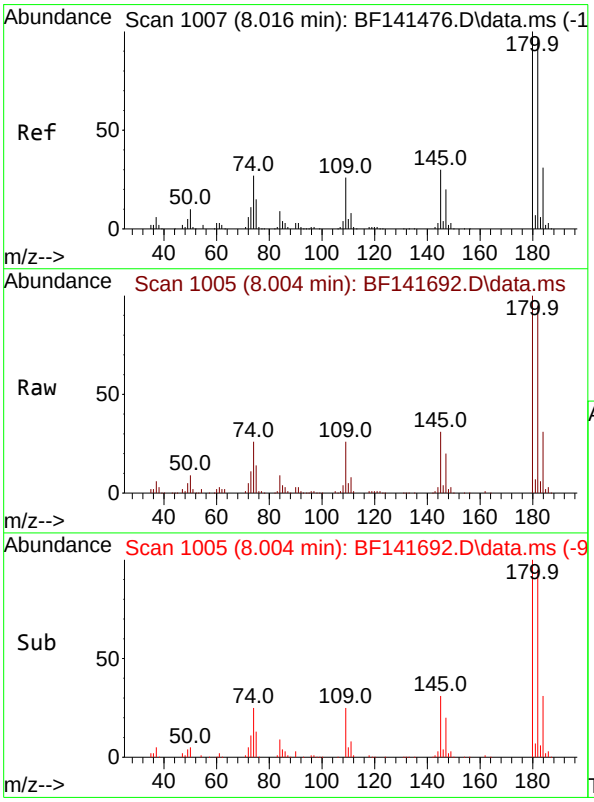
#29
2,4-Dichlorophenol
Concen: 41.368 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:162 Resp: 222878

Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.6	84.6
98	37.7	17.2	57.2

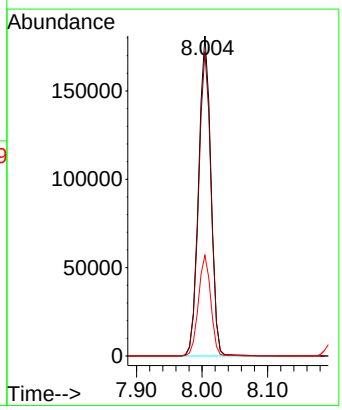


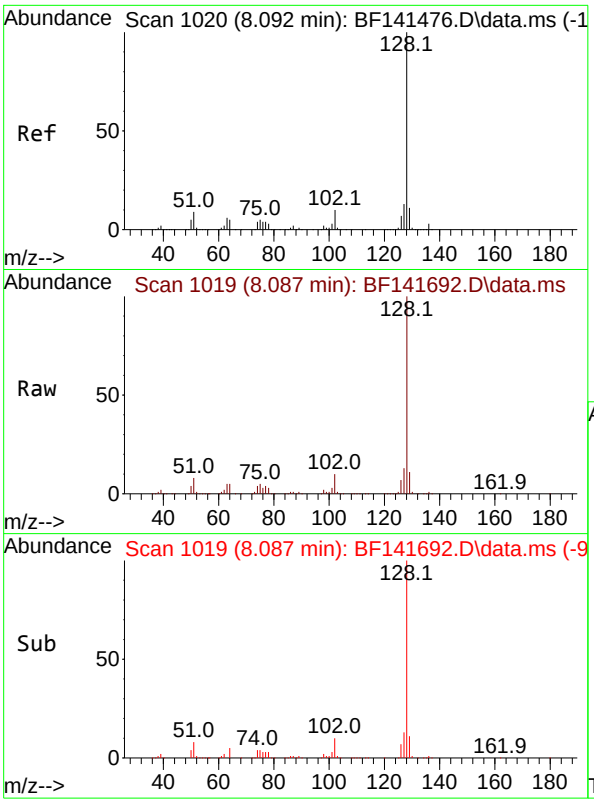


#30
1,2,4-Trichlorobenzene
Concen: 40.389 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:180 Resp: 236959

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
145	31.5	24.2	36.4



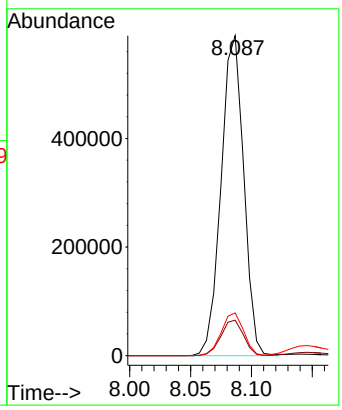


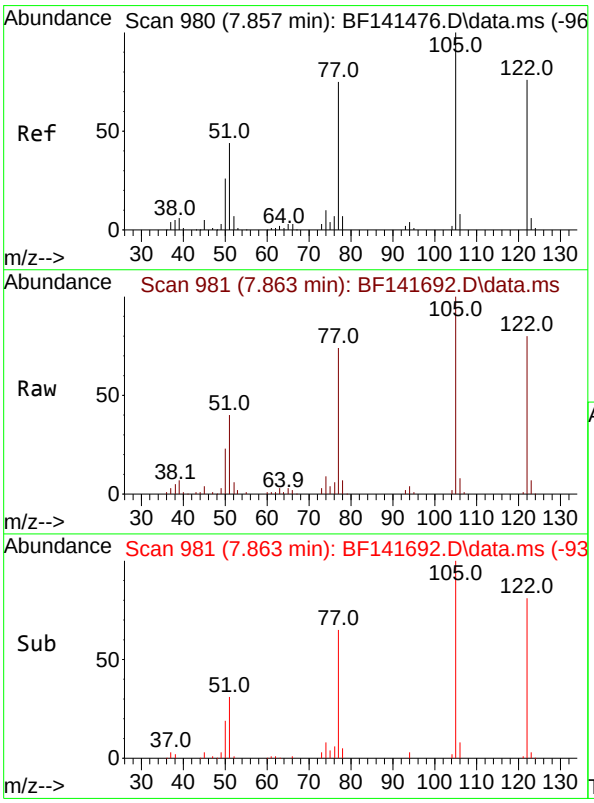
#31
Naphthalene
Concen: 39.932 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:128 Resp: 762787

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1

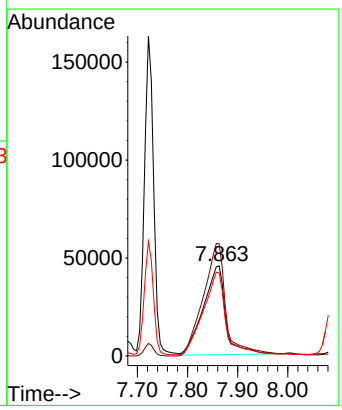


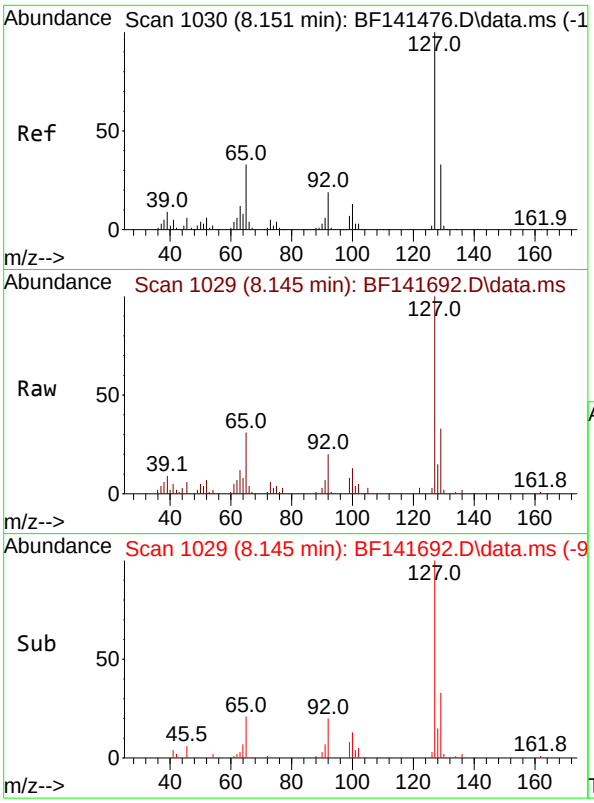


#32
Benzoic acid
Concen: 34.113 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:122 Resp: 141292

Ion	Ratio	Lower	Upper
122	100		
105	124.5	106.5	146.5
77	92.3	76.3	116.3



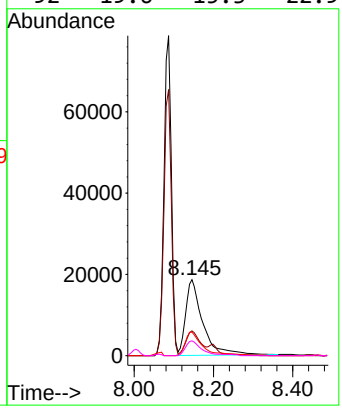


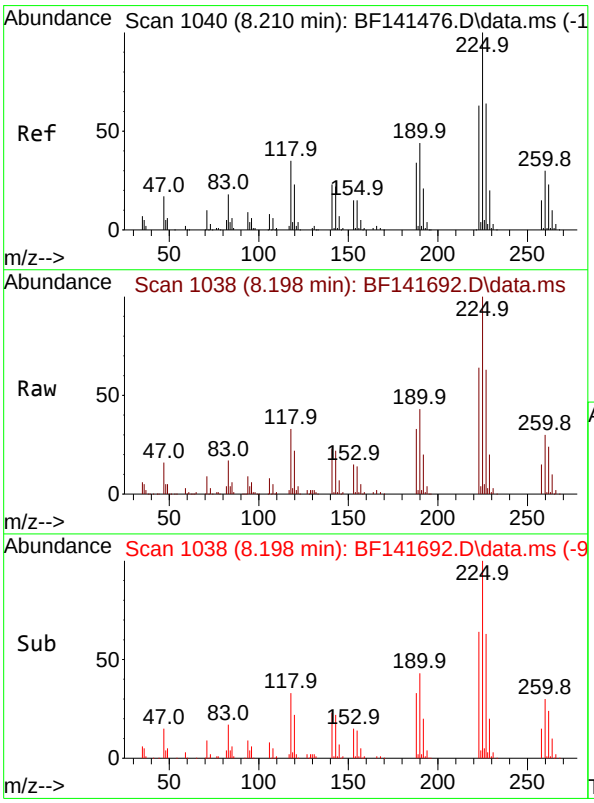
#33
4-Chloroaniline
Concen: 8.311 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:127 Resp: 55428

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.5	39.7
65	31.0	26.4	39.6
92	19.6	15.3	22.9

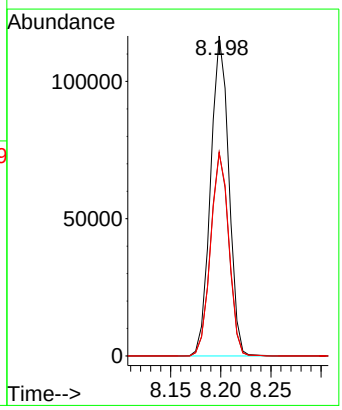


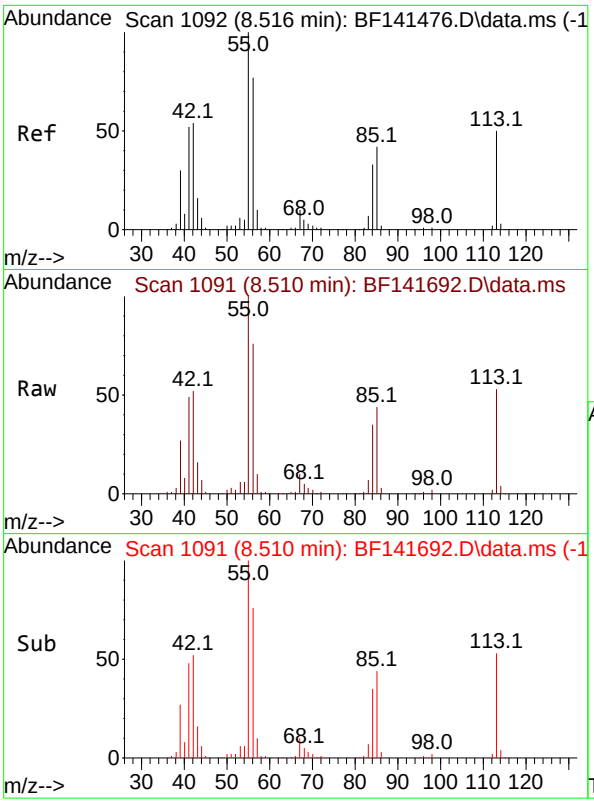


#34
Hexachlorobutadiene
Concen: 41.731 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:225 Resp: 146983

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	63.4	51.0	76.6



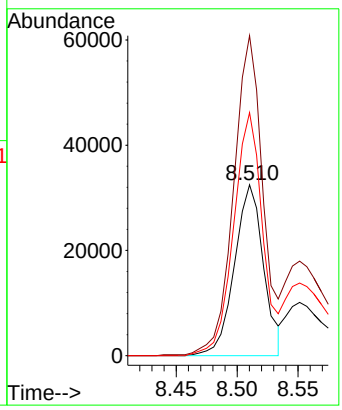


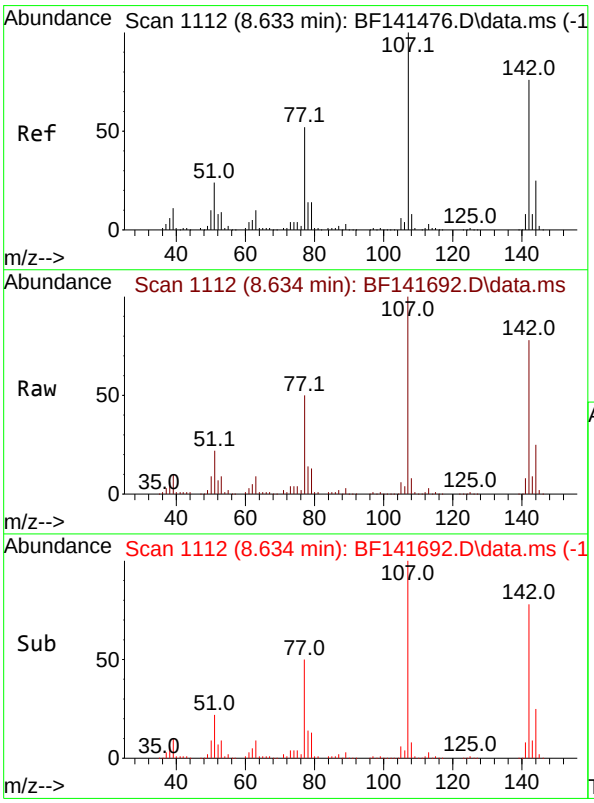
#35
Caprolactam
Concen: 32.918 ng
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:113 Resp: 53998

Ion	Ratio	Lower	Upper
113	100		
55	187.2	180.8	220.8
56	142.1	133.6	173.6

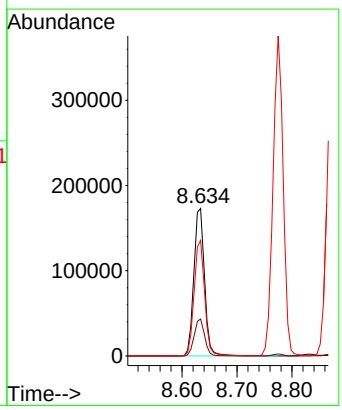


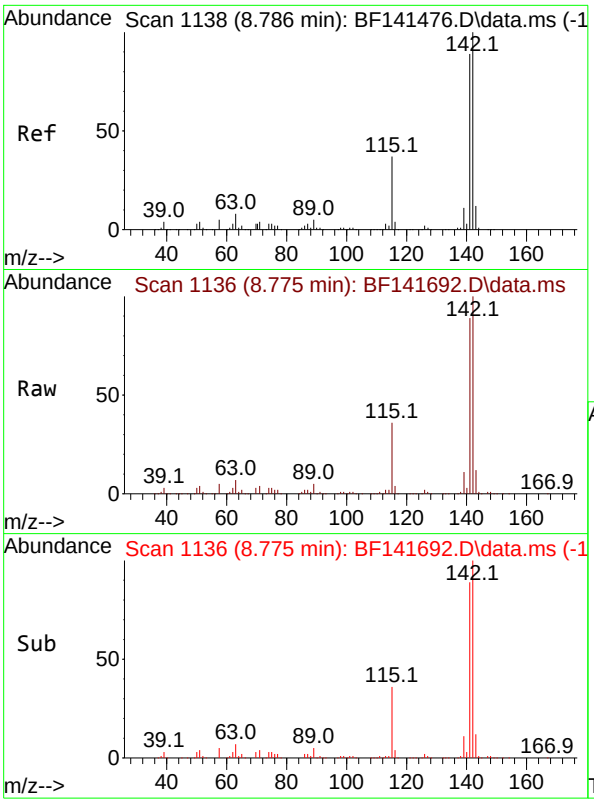


#36
4-Chloro-3-methylphenol
Concen: 39.276 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:107 Resp: 234396

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.7	29.5
142	78.3	60.8	91.2



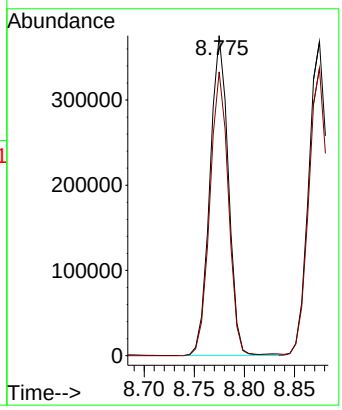


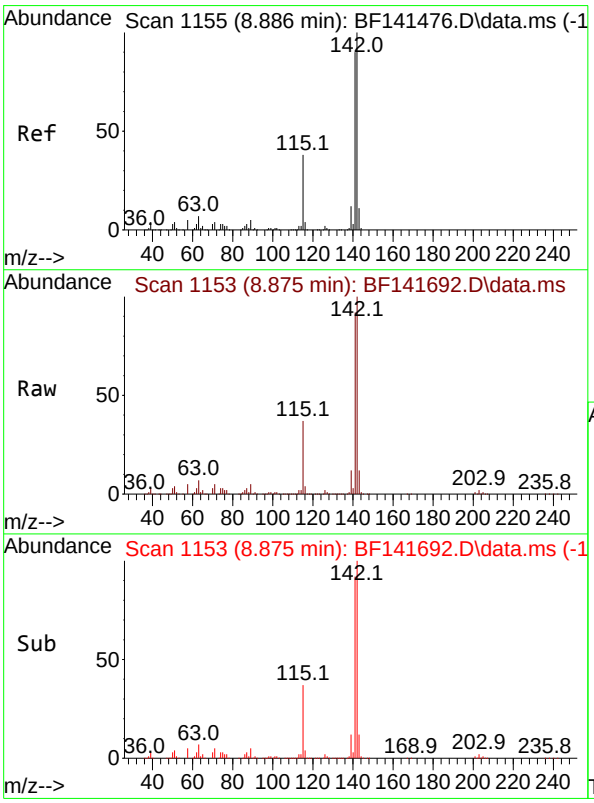
#37
2-Methylnaphthalene
Concen: 38.675 ng
RT: 8.775 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:142 Resp: 480748

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8

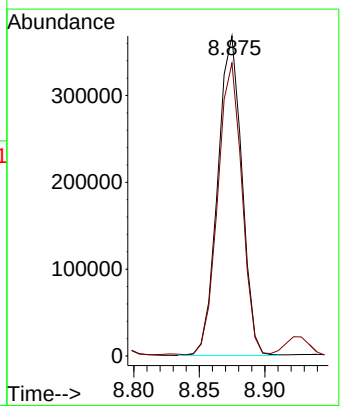


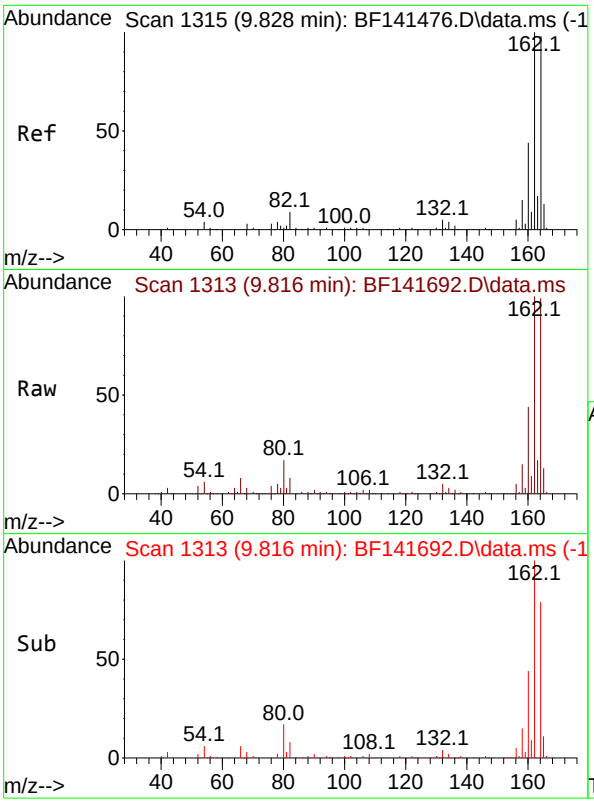


#38
1-Methylnaphthalene
Concen: 39.169 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:142 Resp: 471566

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.1	108.1



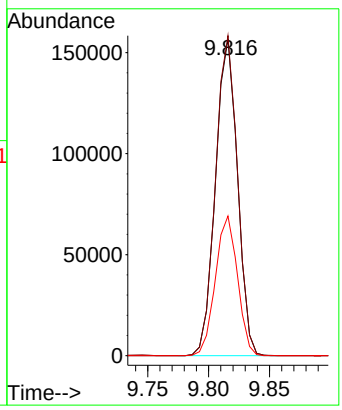


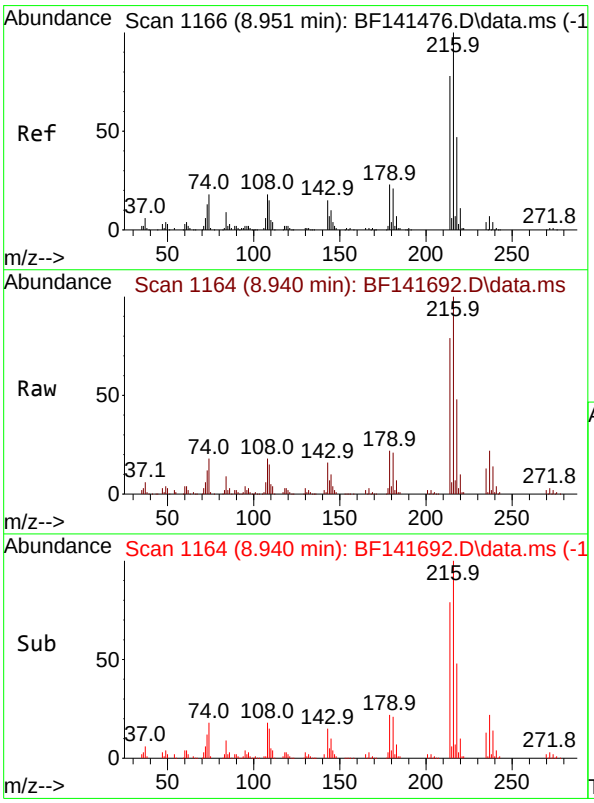
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:164 Resp: 197029

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.3	121.9
160	44.1	35.9	53.9

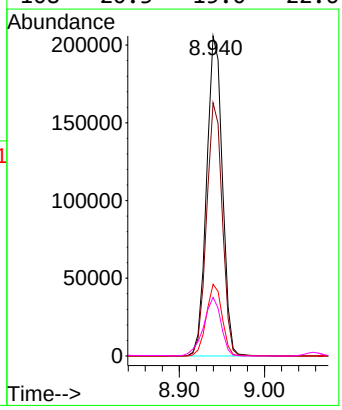


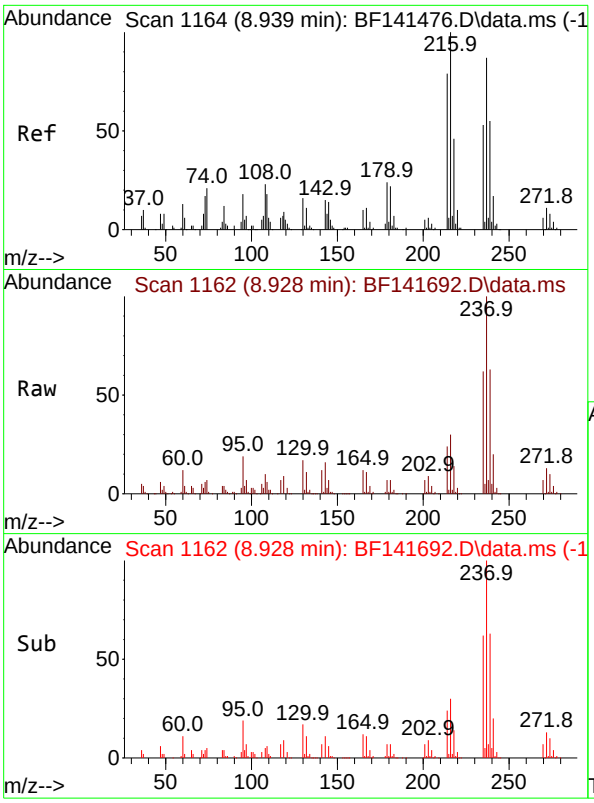


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.350 ng
RT: 8.940 min Scan# 1164
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:216 Resp: 264210

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.3	93.5
179	22.5	18.0	27.0
108	20.3	15.0	22.6



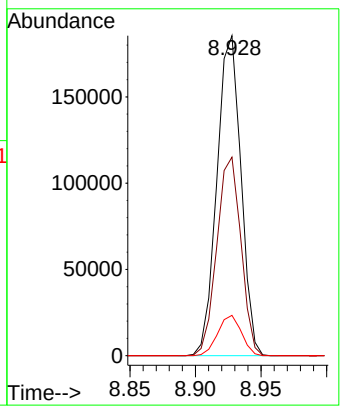


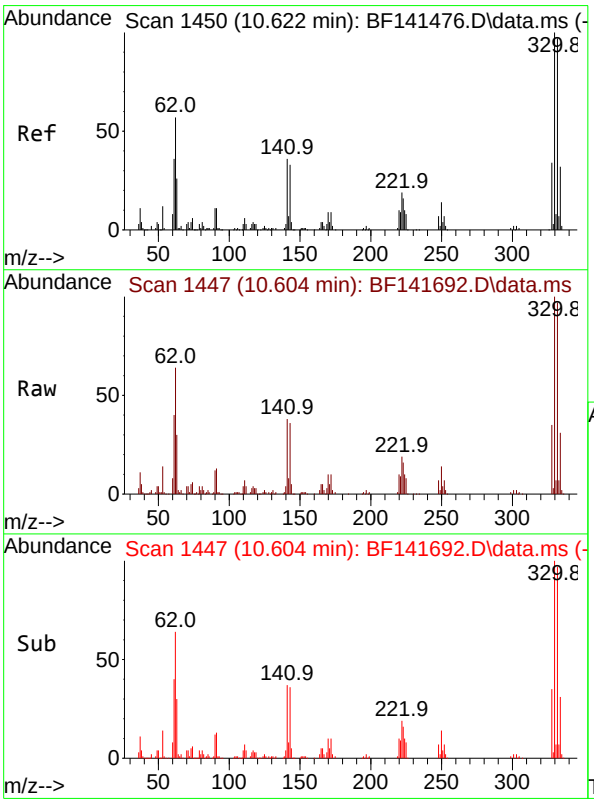
#41
Hexachlorocyclopentadiene
Concen: 124.735 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:237 Resp: 236493

Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.4	81.4
272	12.6	0.0	32.4

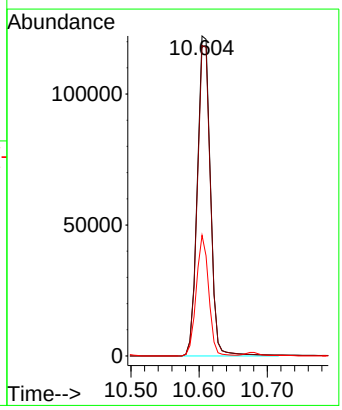


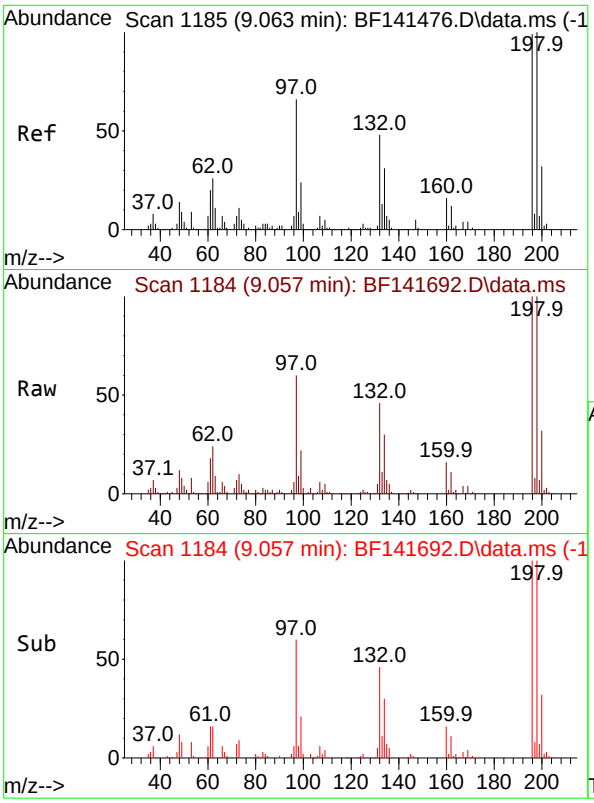


#42
2,4,6-Tribromophenol
Concen: 82.496 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:330 Resp: 163279

Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.5	117.7
141	35.6	31.0	46.4



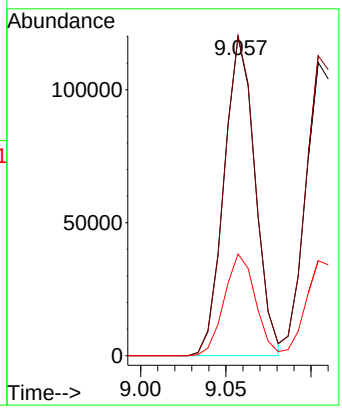


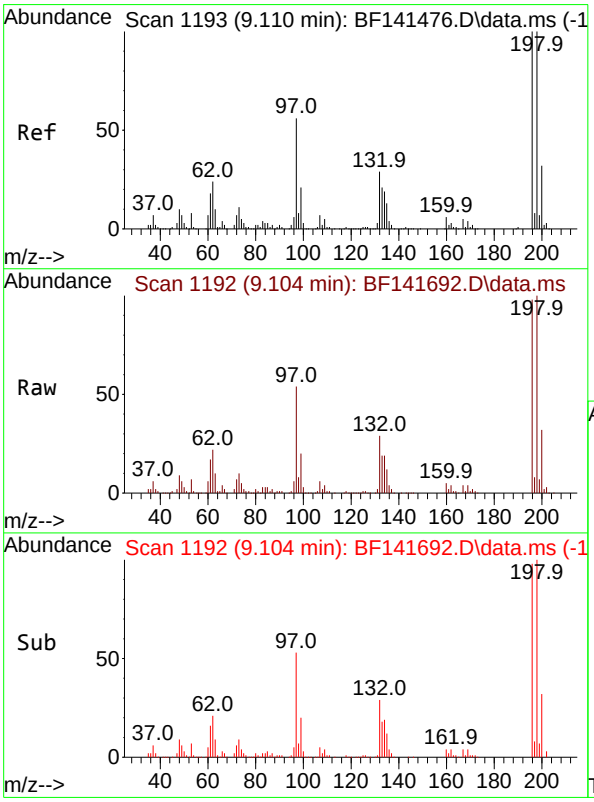
#43
2,4,6-Trichlorophenol
Concen: 41.266 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:196 Resp: 152030

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.6	121.0
200	32.0	25.5	38.3

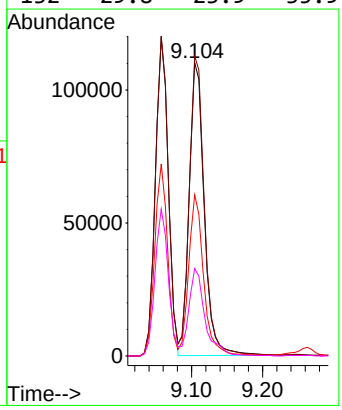


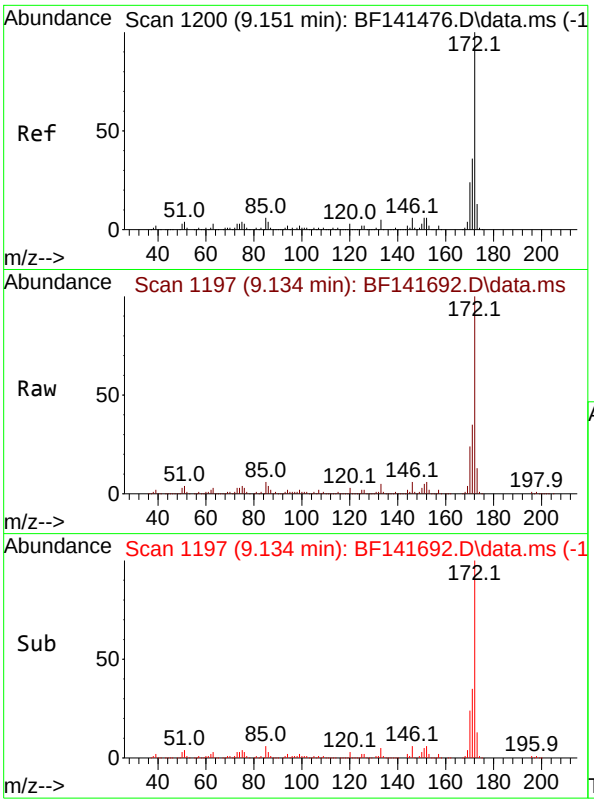


#44
2,4,5-Trichlorophenol
Concen: 40.580 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:196 Resp: 162026

Ion	Ratio	Lower	Upper
196	100		
198	102.3	79.8	119.8
97	54.9	44.8	67.2
132	29.8	23.9	35.9



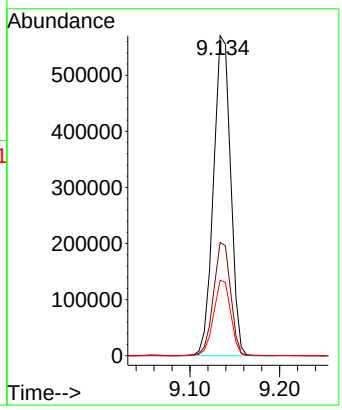


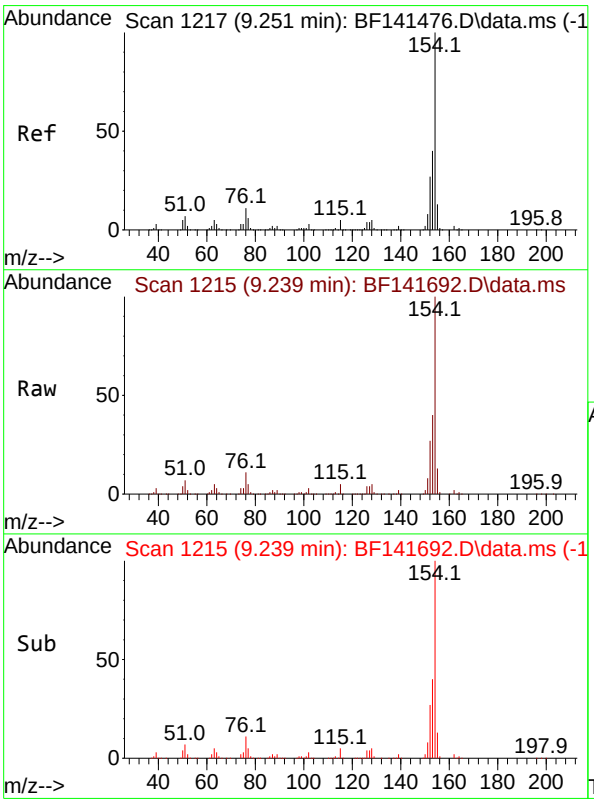
#45
2-Fluorobiphenyl
Concen: 59.206 ng
RT: 9.134 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:172 Resp: 757166

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.5	18.9	28.3

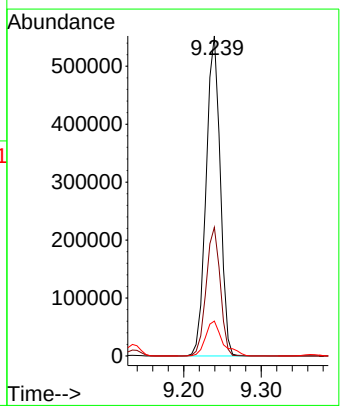


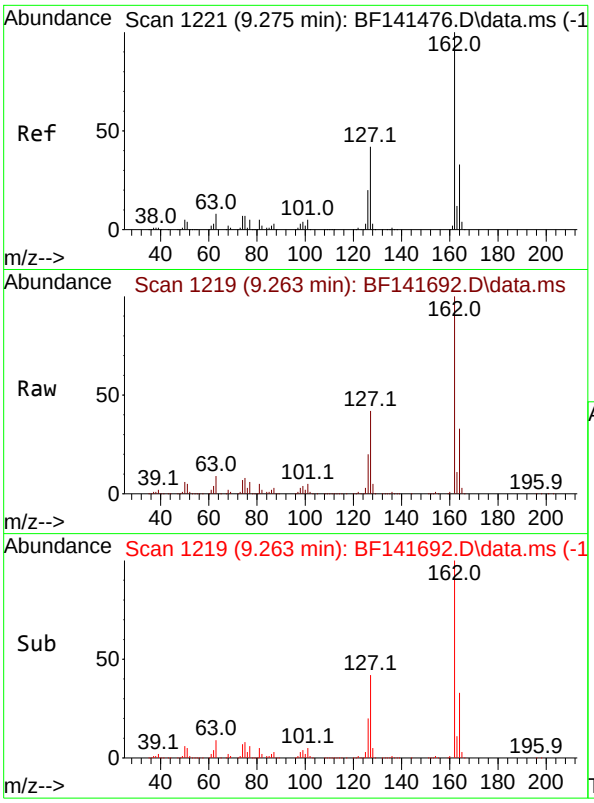


#46
1,1'-Biphenyl
Concen: 45.601 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:154 Resp: 696564

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	10.9	0.0	30.8



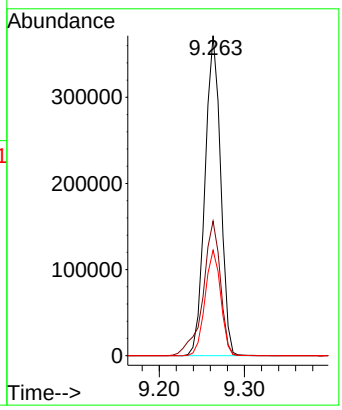


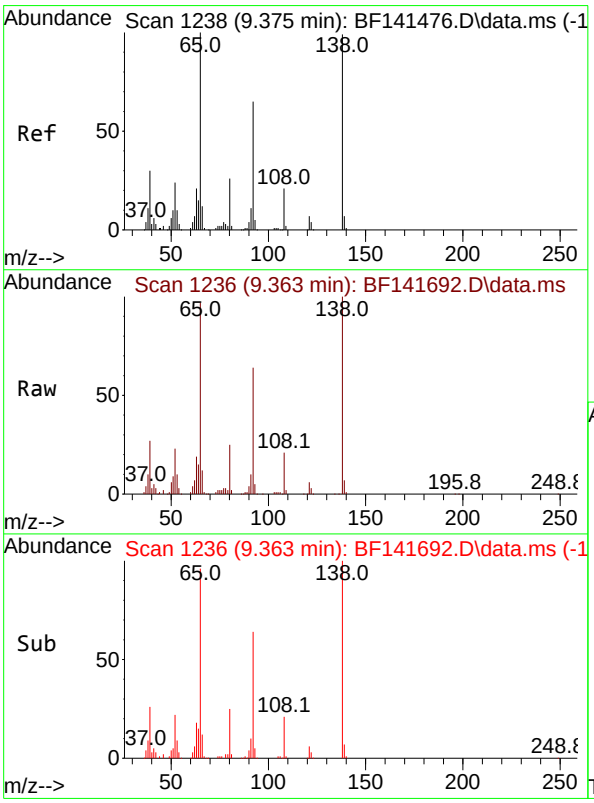
#47
2-Chloronaphthalene
Concen: 41.896 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:162 Resp: 473246

Ion	Ratio	Lower	Upper
162	100		
127	42.0	34.1	51.1
164	33.0	26.3	39.5

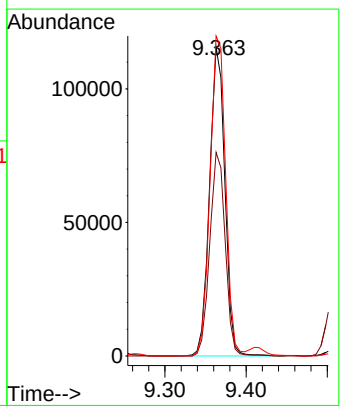


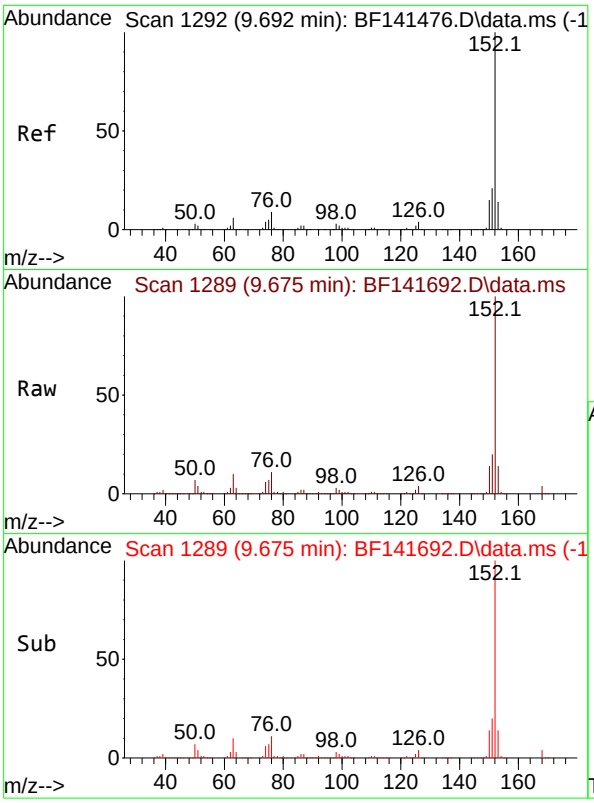


#48
2-Nitroaniline
Concen: 39.967 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion: 65 Resp: 151507

Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.2	78.2
138	103.6	79.5	119.3



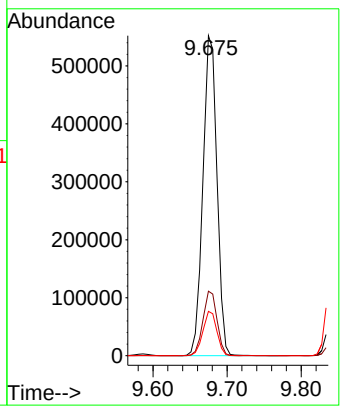


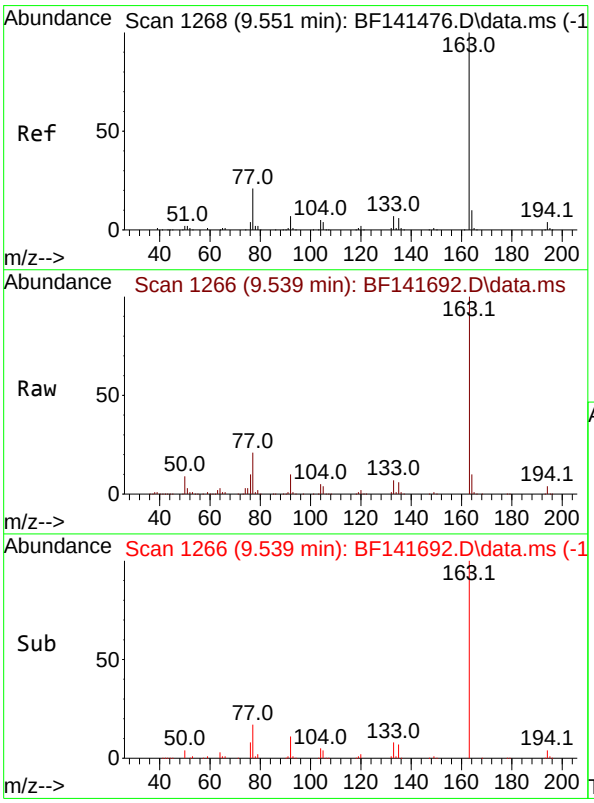
#49
Acenaphthylene
Concen: 43.316 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:152 Resp: 727750

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.4	24.6
153	13.8	10.9	16.3

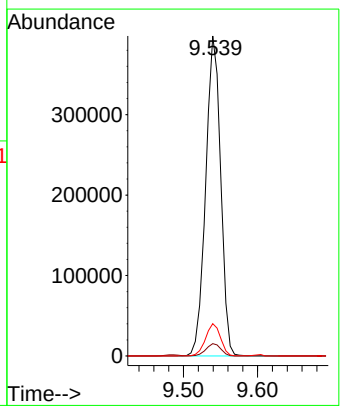


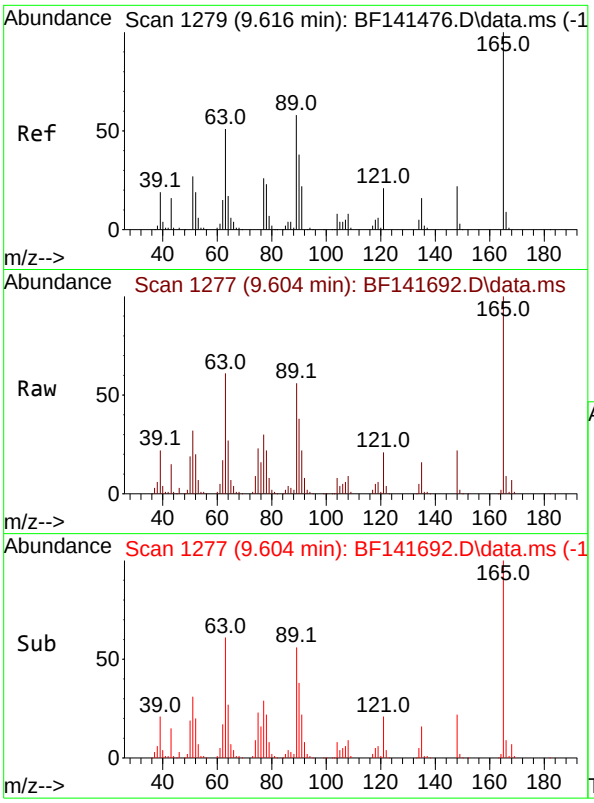


#50
Dimethylphthalate
Concen: 41.749 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:163 Resp: 558426

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	7.9	11.9



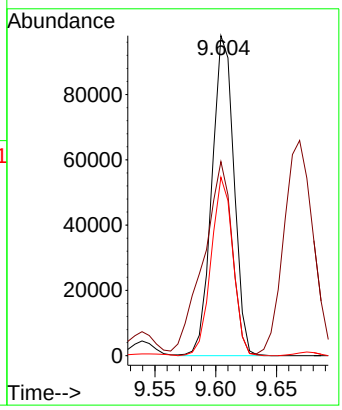


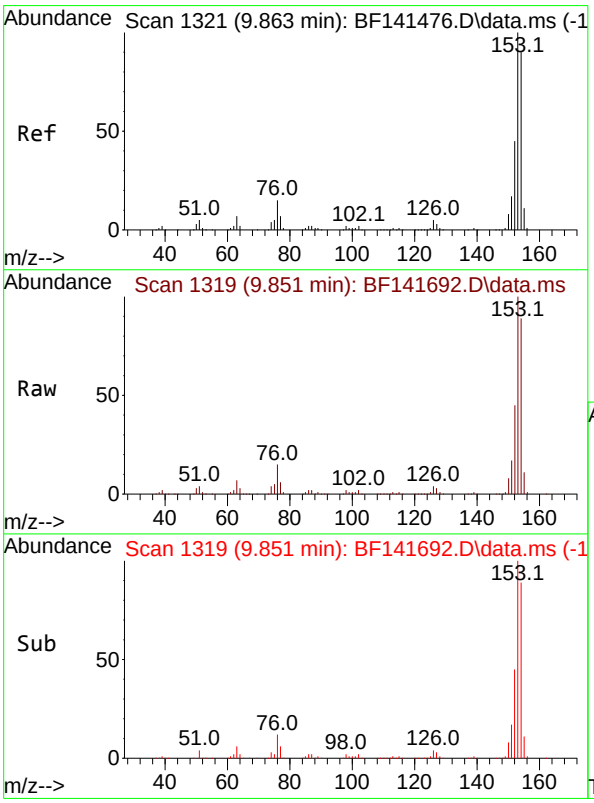
#51
2,6-Dinitrotoluene
Concen: 42.186 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:165 Resp: 123354

Ion	Ratio	Lower	Upper
165	100		
63	60.7	49.4	74.0
89	55.8	46.5	69.7

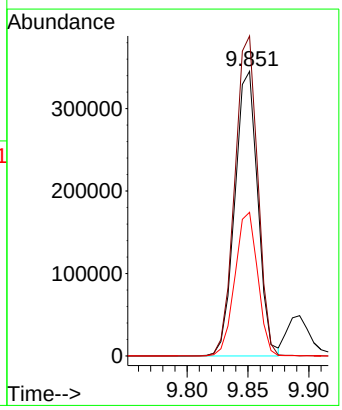


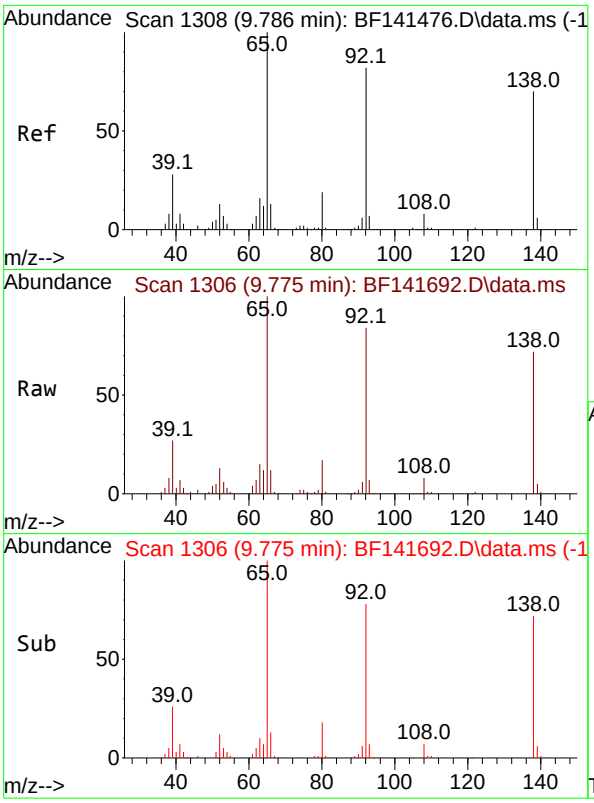


#52
Acenaphthene
Concen: 40.125 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:154 Resp: 453211

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.2	133.8
152	50.5	39.8	59.8



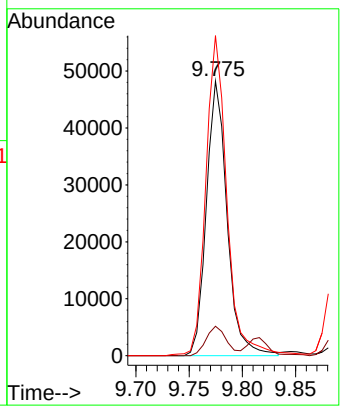


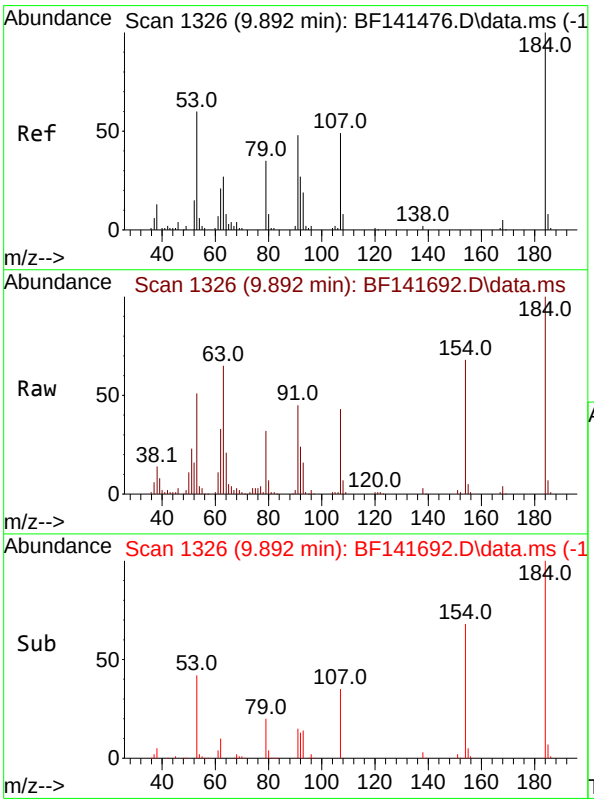
#53
3-Nitroaniline
Concen: 20.758 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:138 Resp: 65330

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	116.6	93.7	140.5

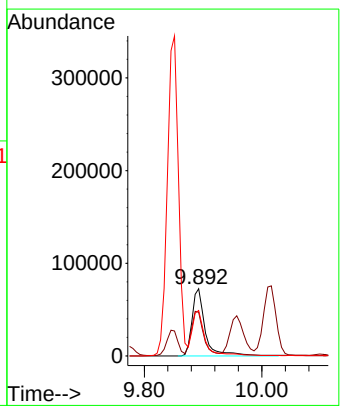


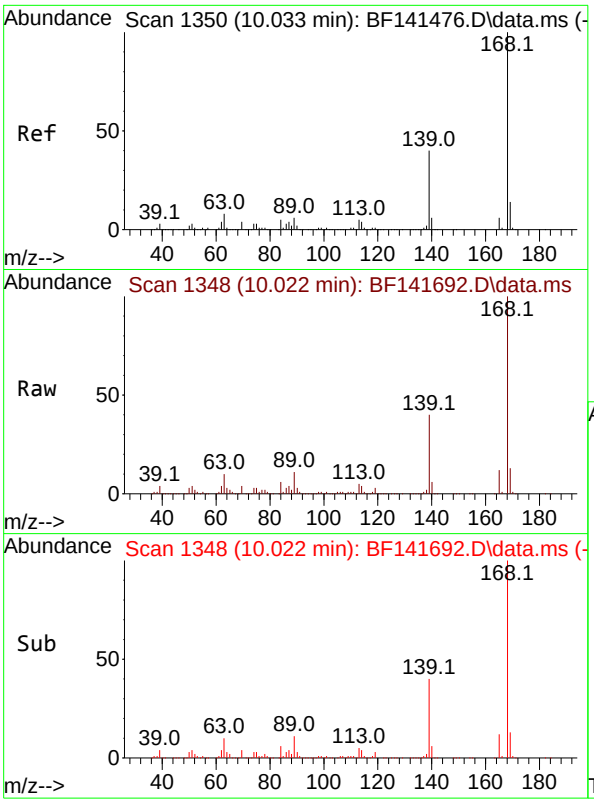


#54
2,4-Dinitrophenol
Concen: 65.266 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:184 Resp: 113421

Ion	Ratio	Lower	Upper
184	100		
63	65.1	61.0	91.6
154	67.5	59.9	89.9



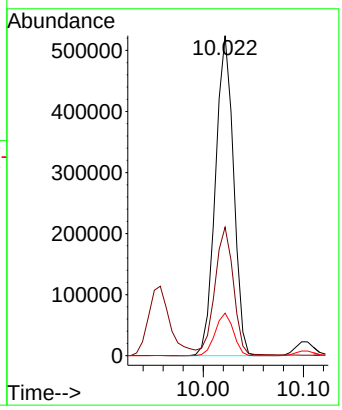


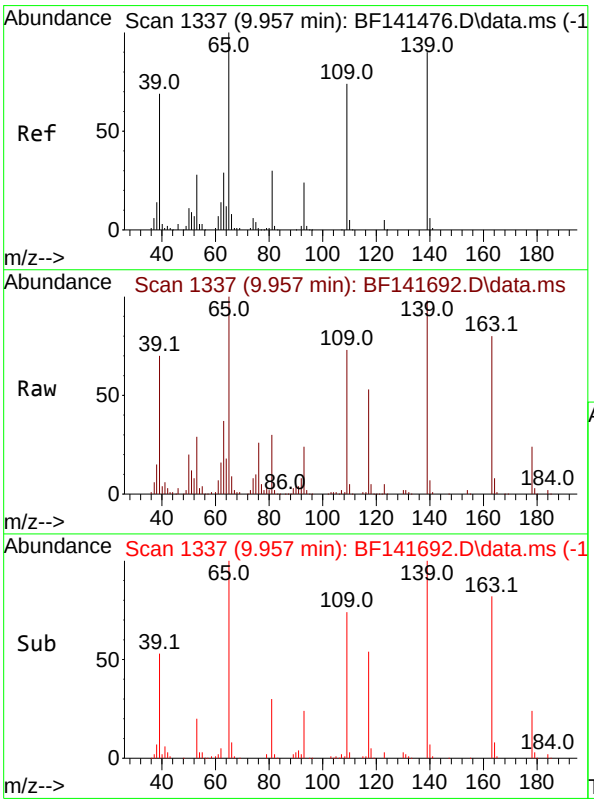
#55
Dibenzofuran
Concen: 39.631 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:168 Resp: 657047

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	13.3	10.8	16.2

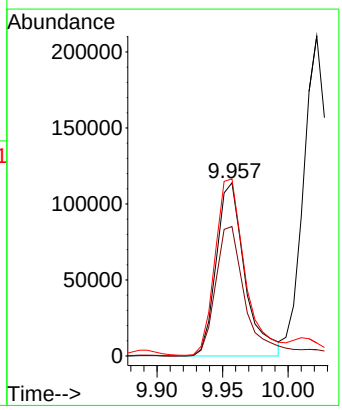


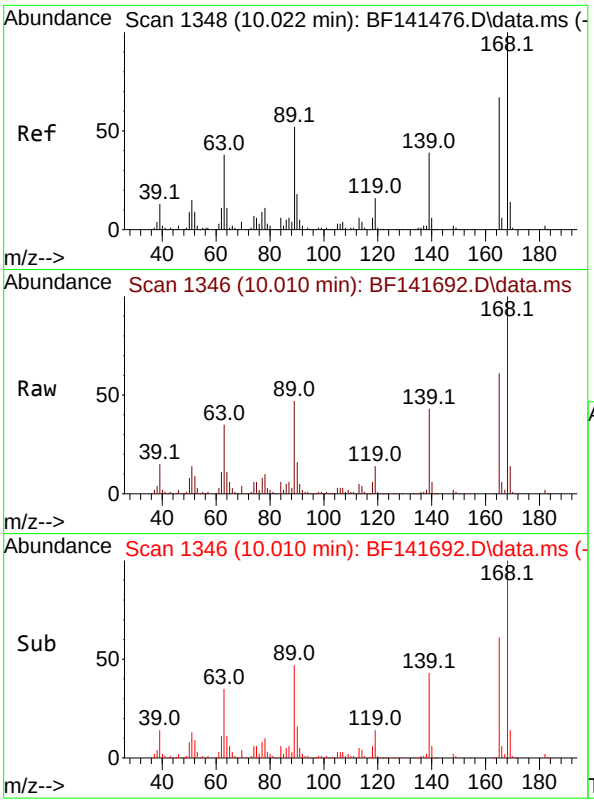


#56
4-Nitrophenol
Concen: 73.719 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:139 Resp: 172225

Ion	Ratio	Lower	Upper
139	100		
109	74.8	62.0	102.0
65	102.3	91.2	131.2



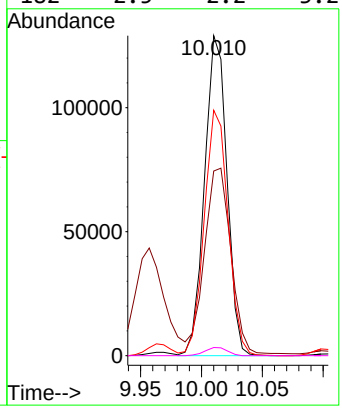


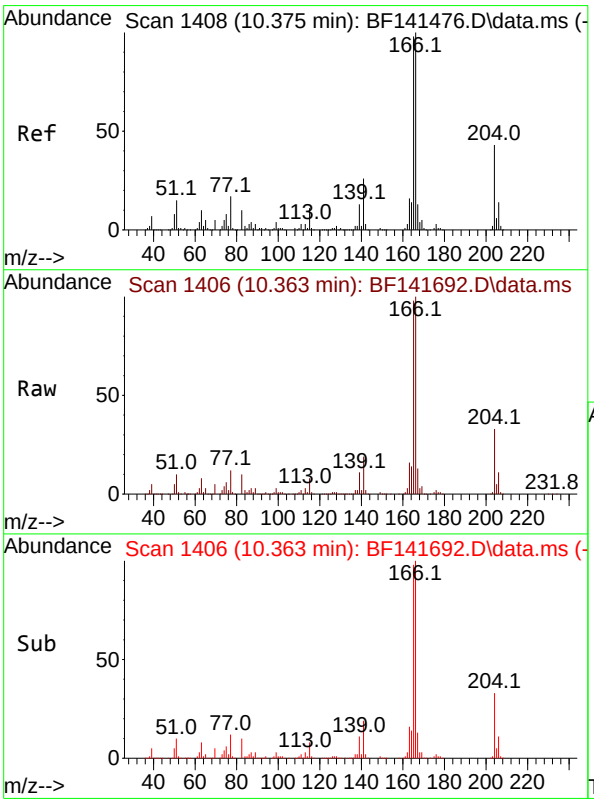
#57
2,4-Dinitrotoluene
Concen: 42.505 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:165 Resp: 165457

Ion	Ratio	Lower	Upper
165	100		
63	57.7	46.4	69.6
89	76.7	61.8	92.6
182	2.5	2.2	3.2

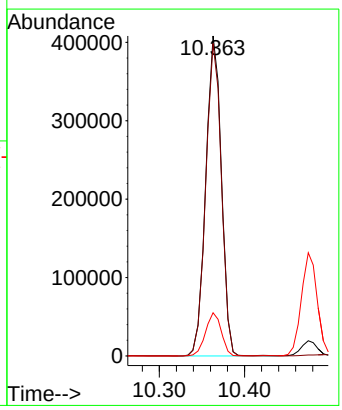


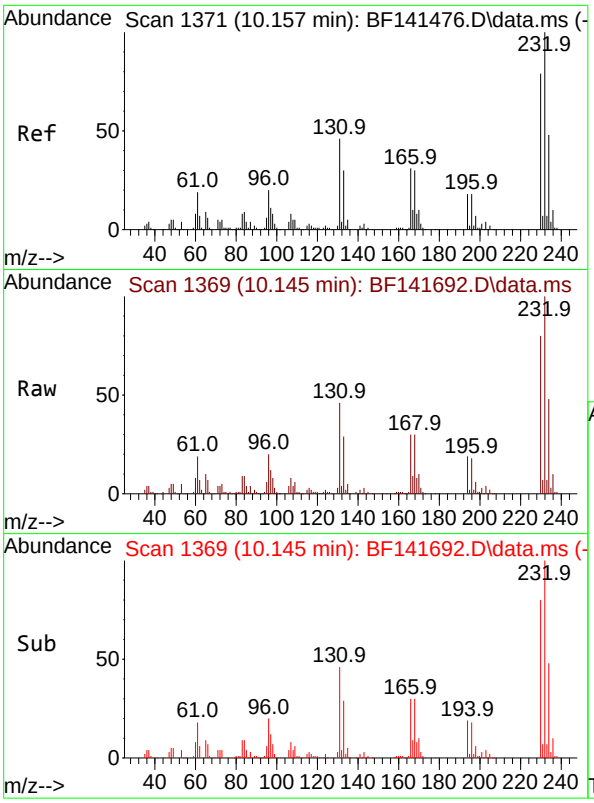


#58
Fluorene
Concen: 40.584 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:166 Resp: 520245

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.2
167	13.5	10.7	16.1



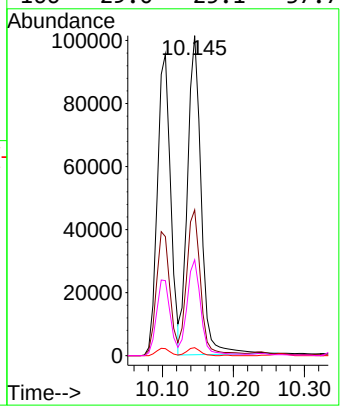


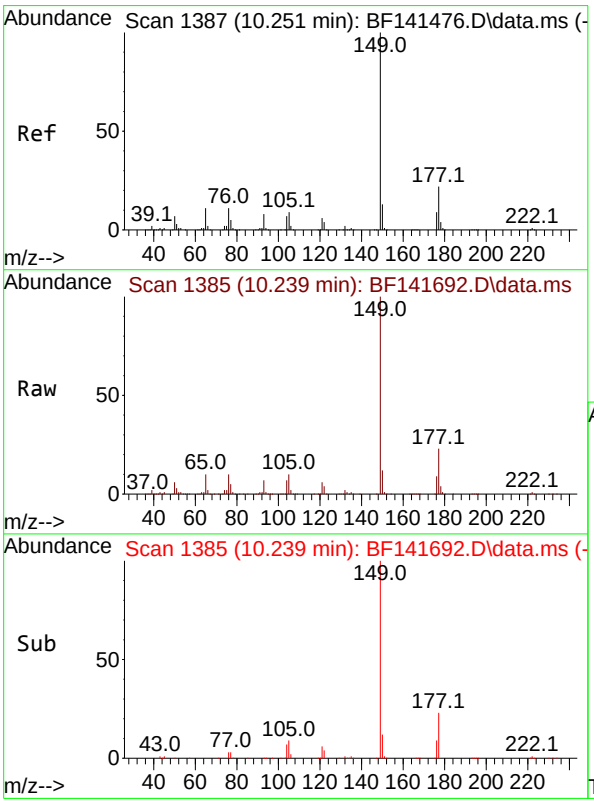
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.512 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:232 Resp: 135825

Ion	Ratio	Lower	Upper
232	100		
131	46.3	39.2	58.8
130	2.5	2.1	3.1
166	29.0	25.1	37.7

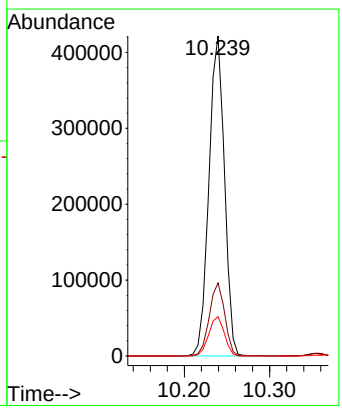


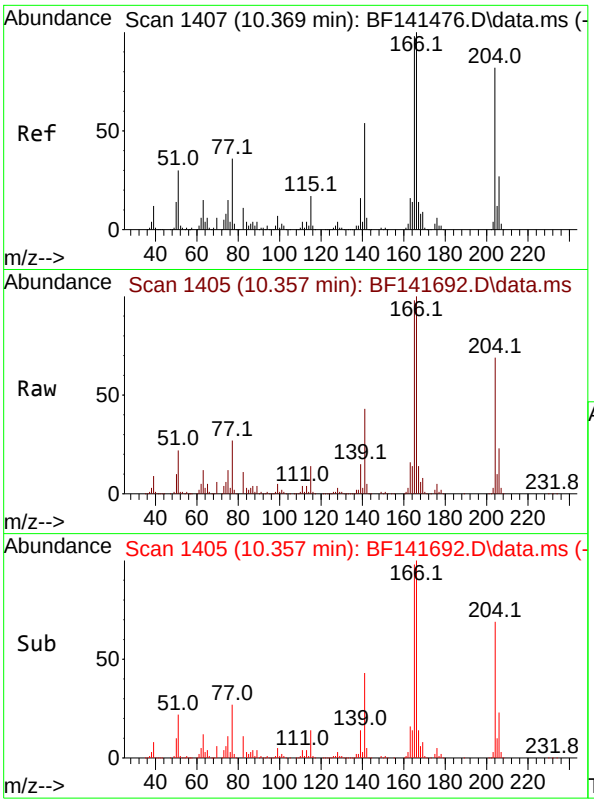


#60
Diethylphthalate
Concen: 40.580 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 534039

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.6
150	12.3	10.1	15.1



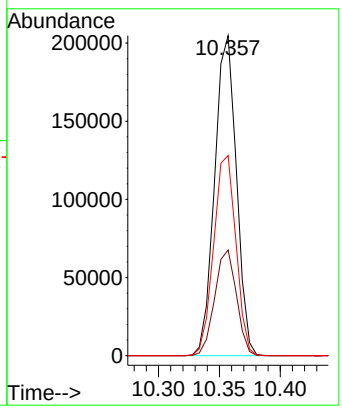


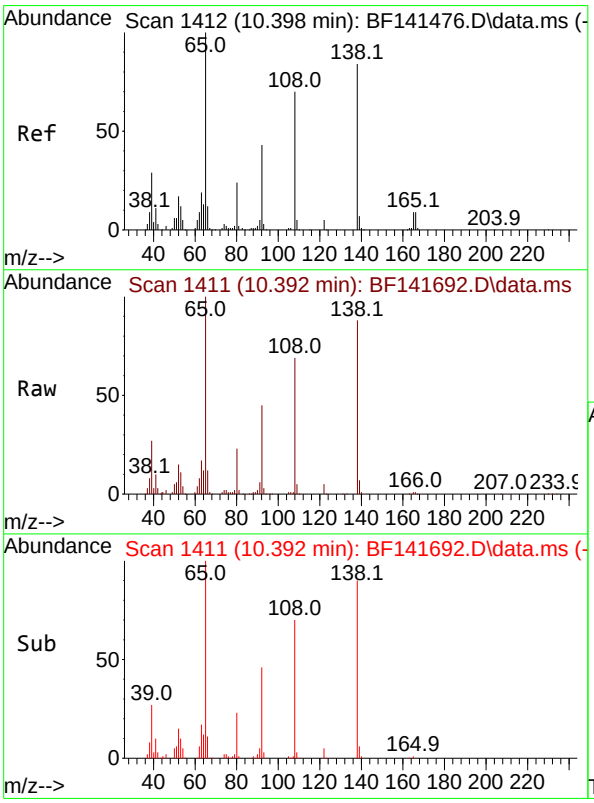
#61
4-Chlorophenyl-phenylether
Concen: 41.326 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:204 Resp: 254861

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	62.6	51.9	77.9

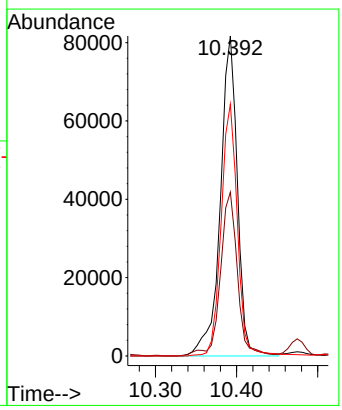


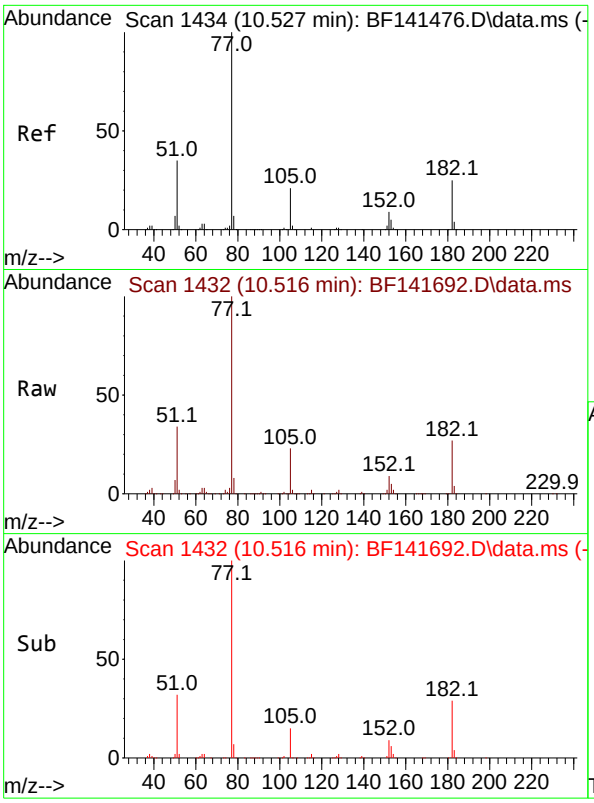


#62
4-Nitroaniline
Concen: 37.551 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:138 Resp: 120000

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.3	71.3
108	78.7	63.7	103.7



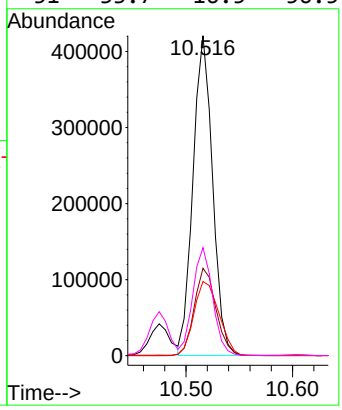


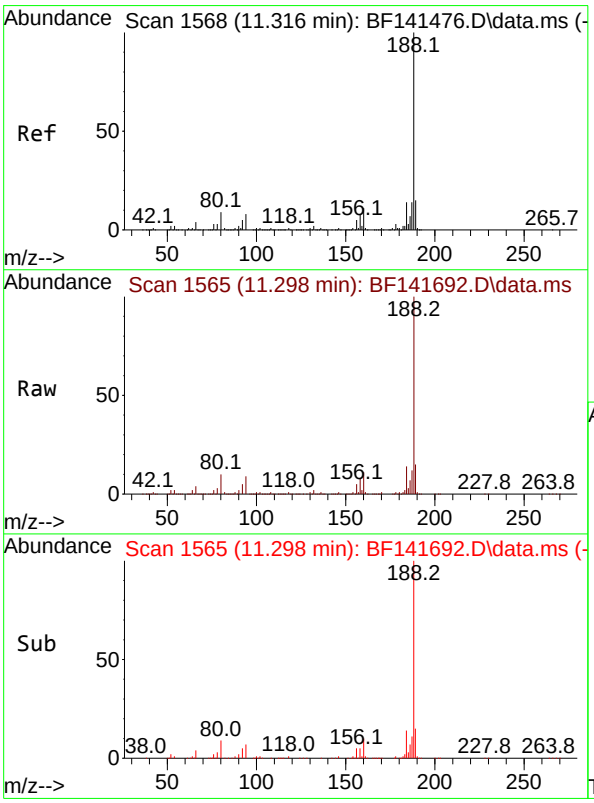
#63
Azobenzene
Concen: 41.117 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion: 77 Resp: 537934

Ion	Ratio	Lower	Upper
77	100		
182	27.3	4.7	44.7
105	23.2	0.4	40.4
51	33.7	16.5	56.5

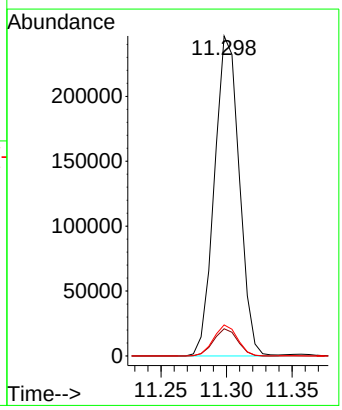


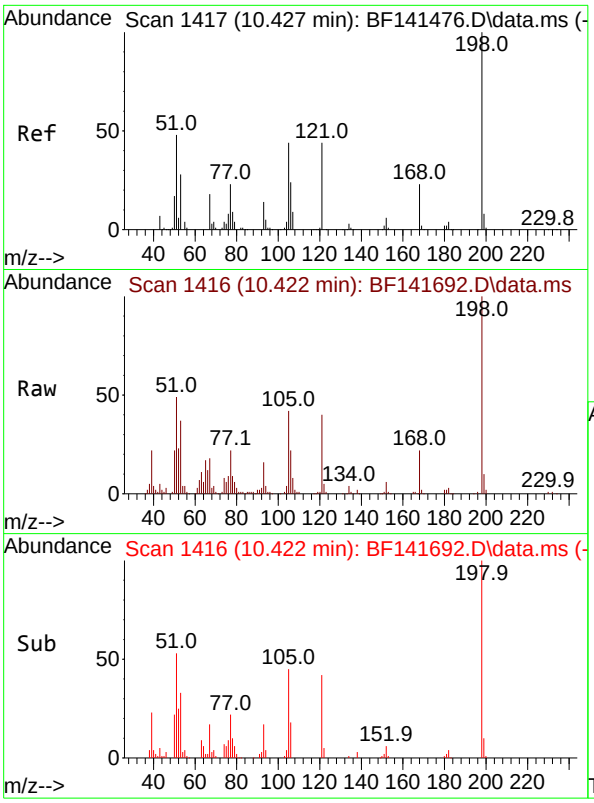


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:188 Resp: 324047

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.7	7.3	10.9



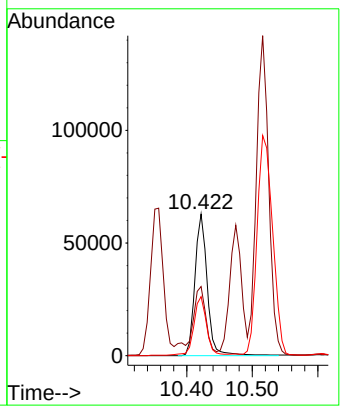


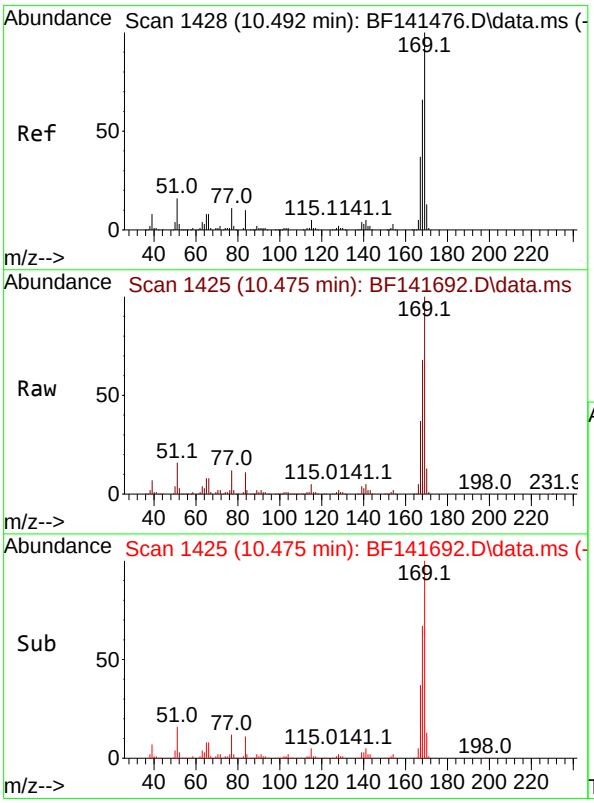
#65
4,6-Dinitro-2-methylphenol
Concen: 36.706 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:198 Resp: 82626

Ion	Ratio	Lower	Upper
198	100		
51	48.8	37.4	77.4
105	41.7	25.2	65.2

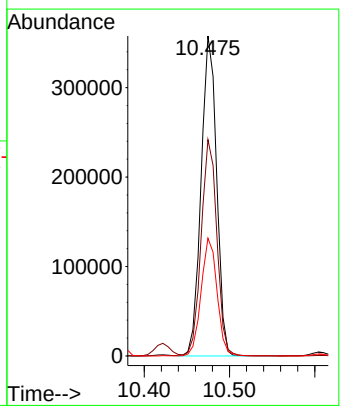


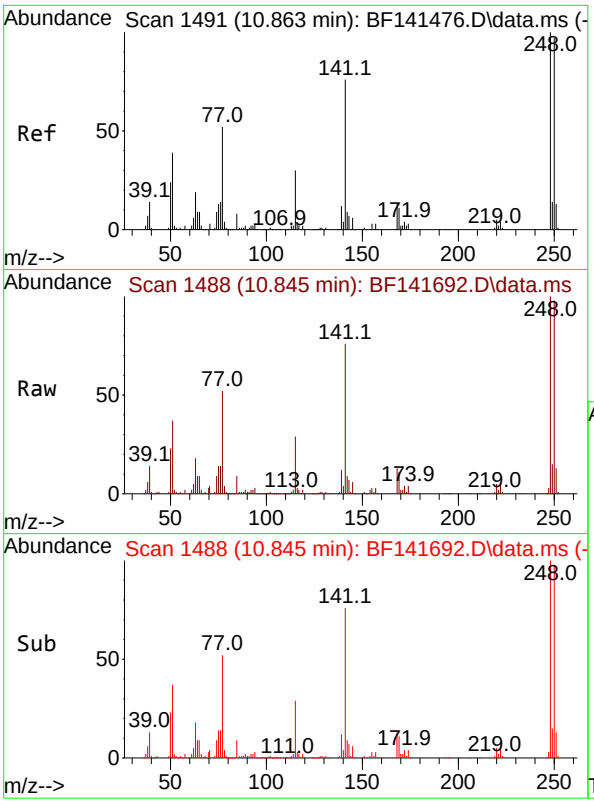


#66
n-Nitrosodiphenylamine
Concen: 43.593 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:169 Resp: 452194

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.3	79.9
167	36.8	29.4	44.2



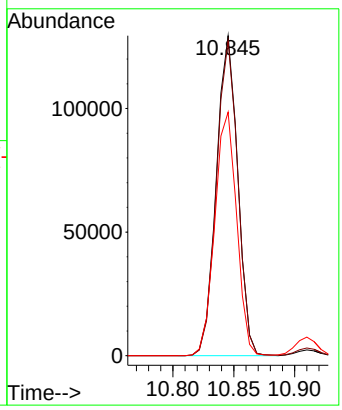


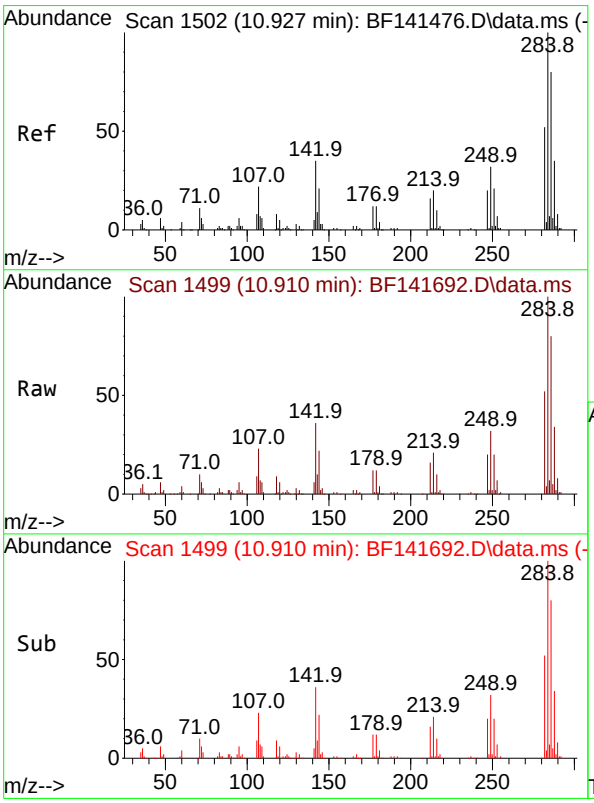
#67
4-Bromophenyl-phenylether
Concen: 43.757 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:248 Resp: 158474

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.8	116.6
141	76.1	60.6	90.8

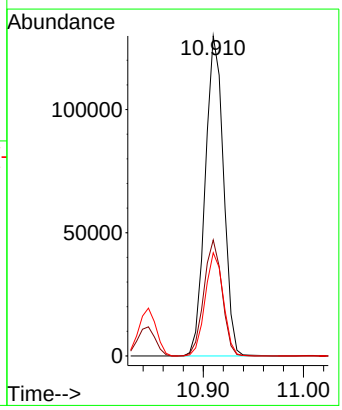


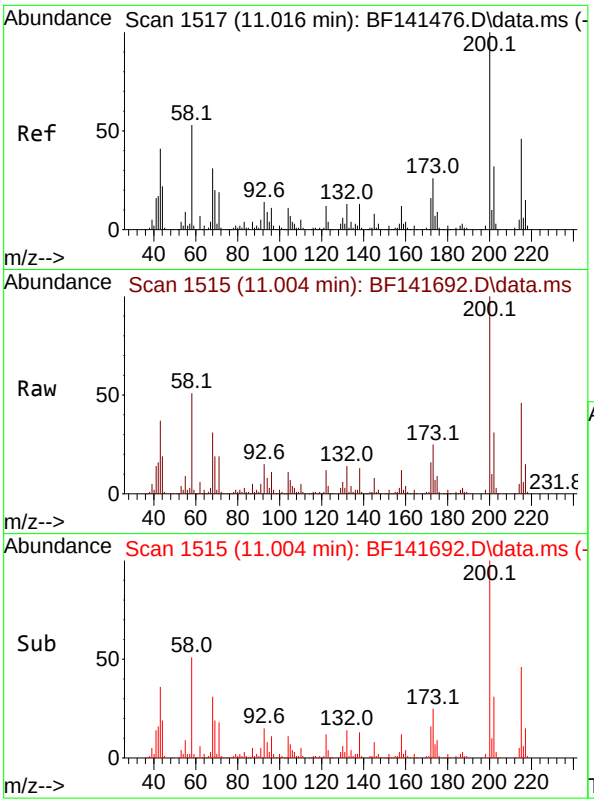


#68
Hexachlorobenzene
Concen: 44.060 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:284 Resp: 164312

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.0	42.0
249	32.2	25.8	38.8



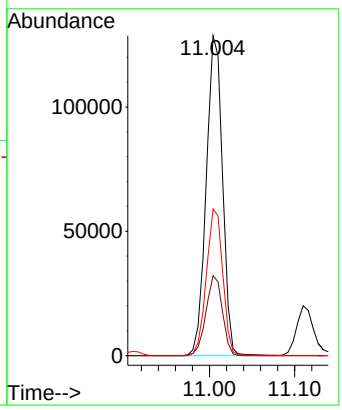


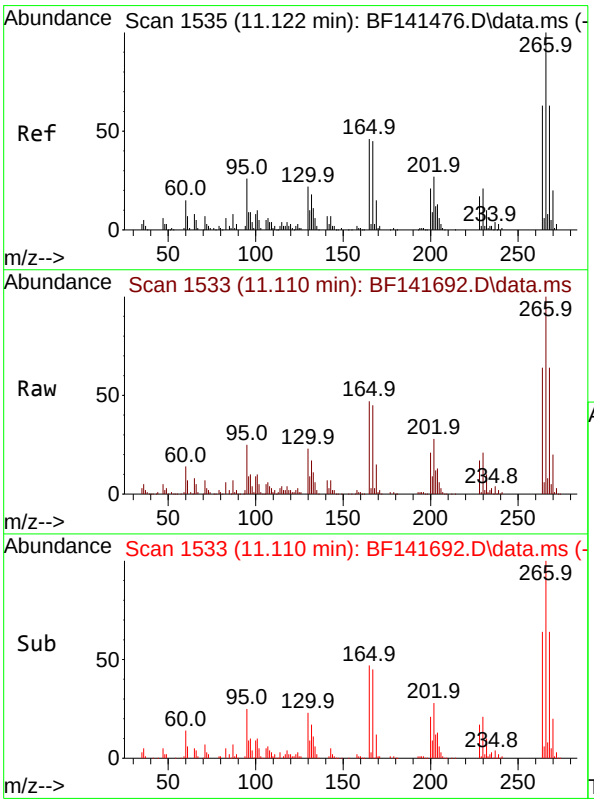
#69
Atrazine
Concen: 54.892 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:200 Resp: 170819

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.9	45.9
215	45.9	25.9	65.9

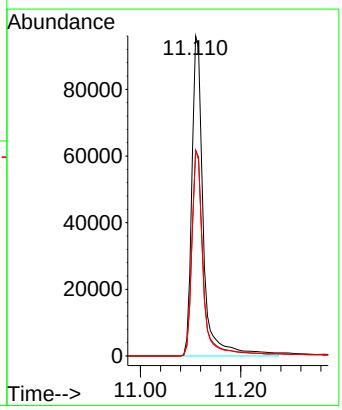


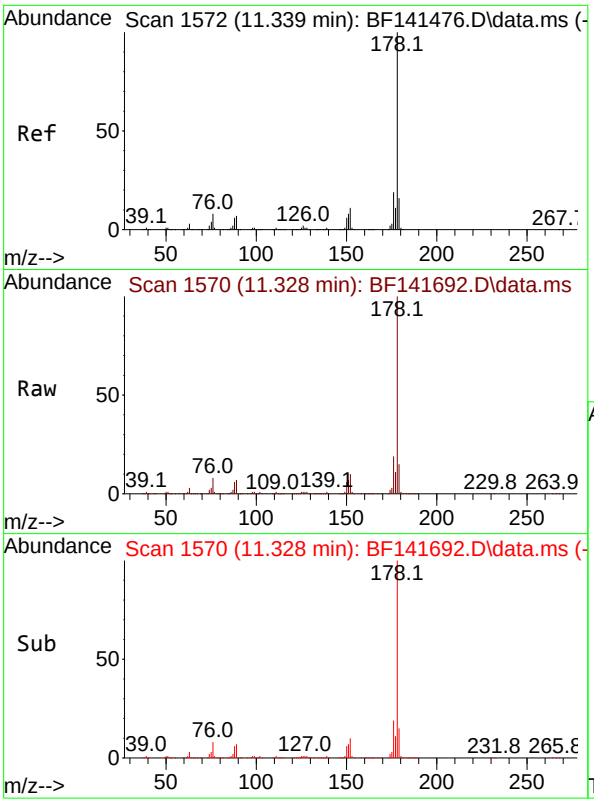


#70
Pentachlorophenol
Concen: 64.066 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:266 Resp: 152772

Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.1	75.1
264	64.2	50.1	75.1



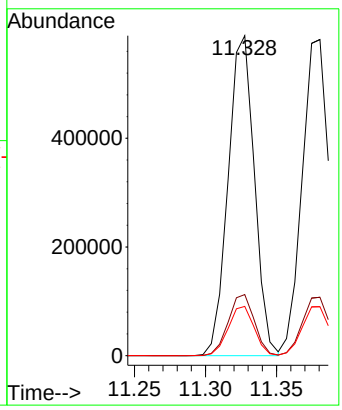


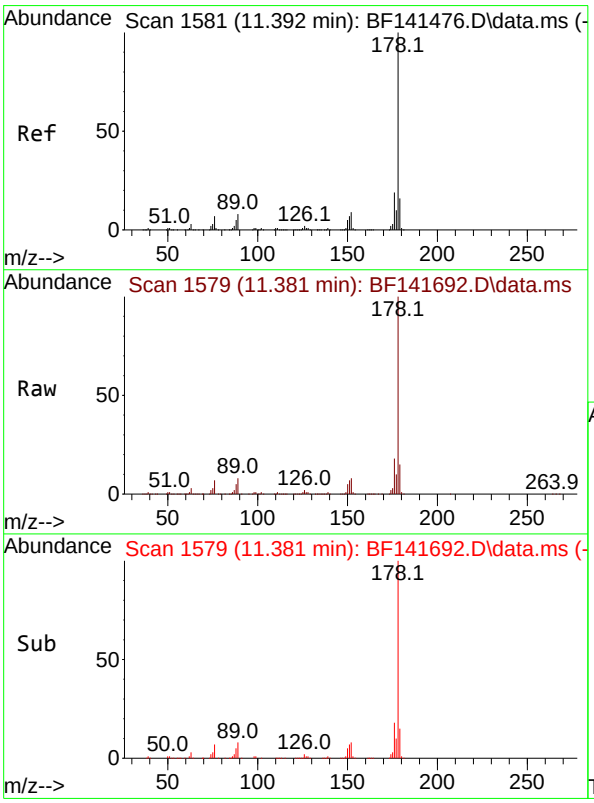
#71
Phenanthrene
Concen: 42.586 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:178 Resp: 759629

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6

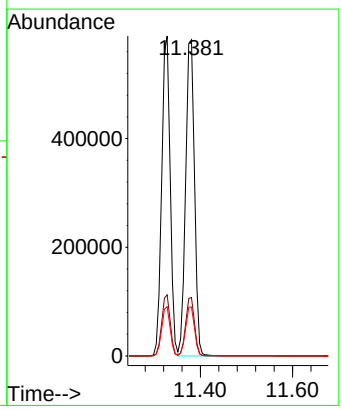


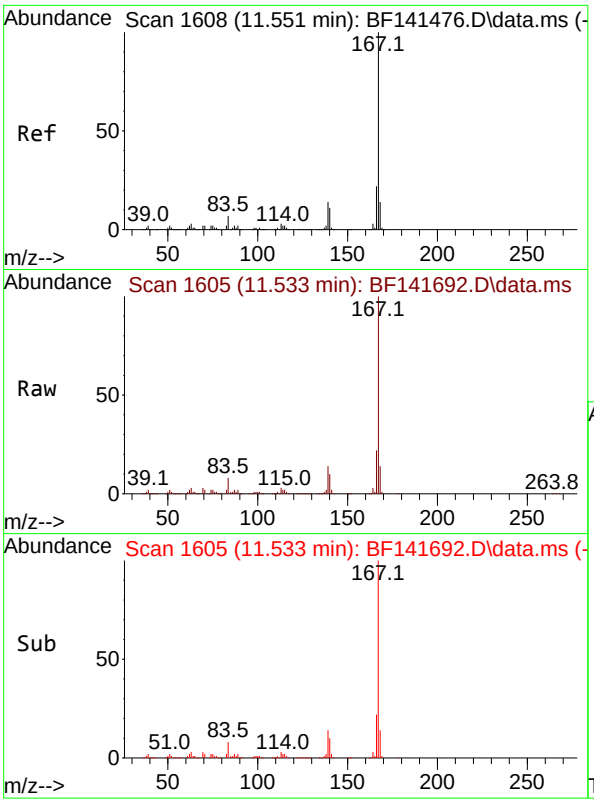


#72
Anthracene
Concen: 43.348 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:178 Resp: 777263

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6



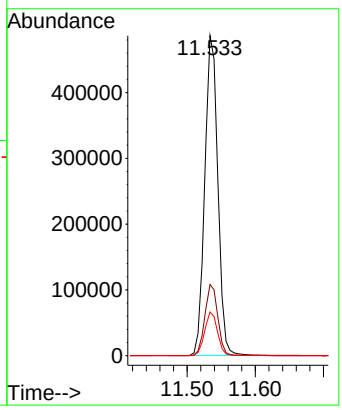


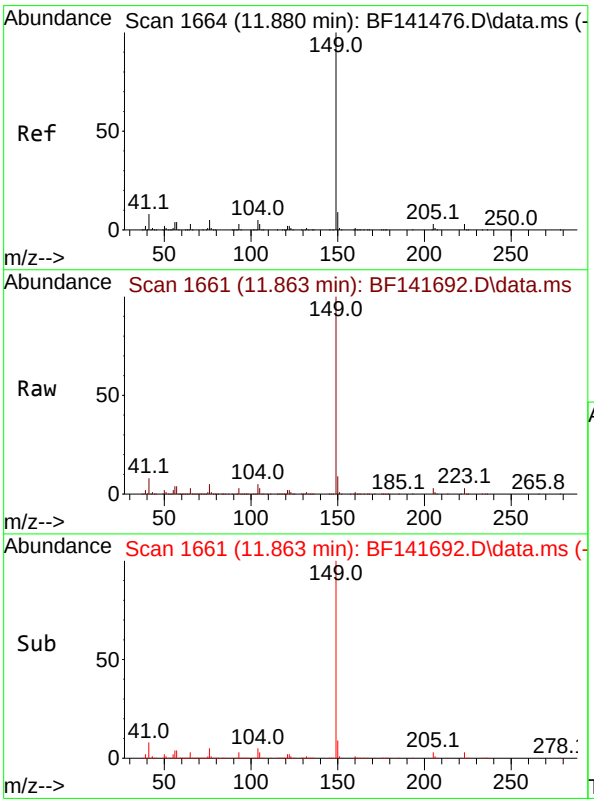
#73
Carbazole
Concen: 40.189 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:167 Resp: 648416

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	13.6	10.9	16.3

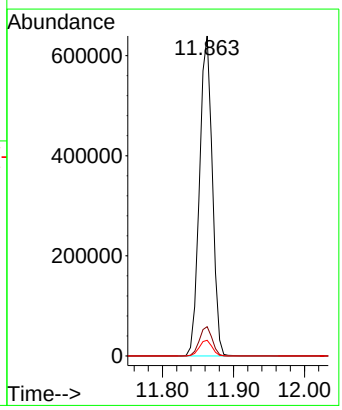


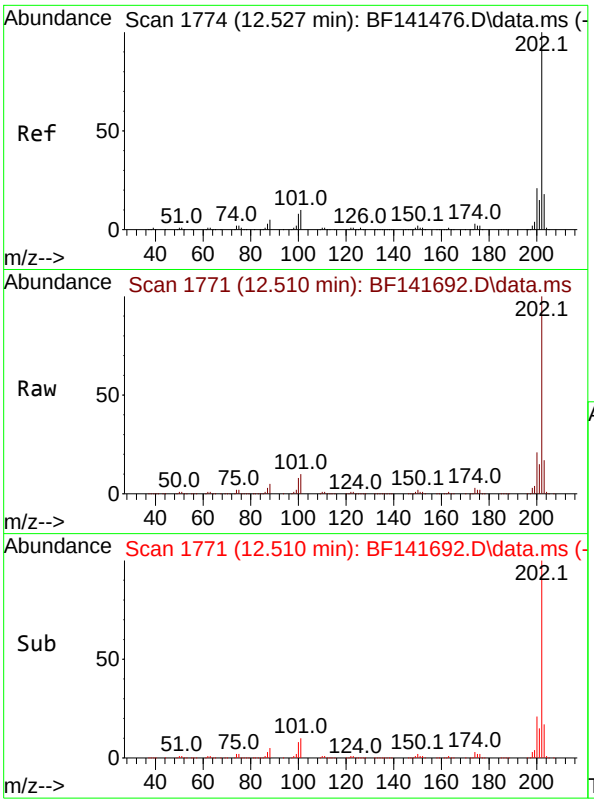


#74
Di-n-butylphthalate
Concen: 43.100 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 802925

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.9	4.2	6.2



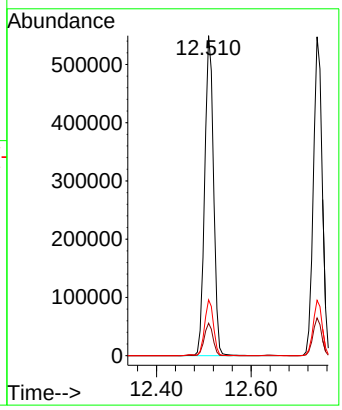


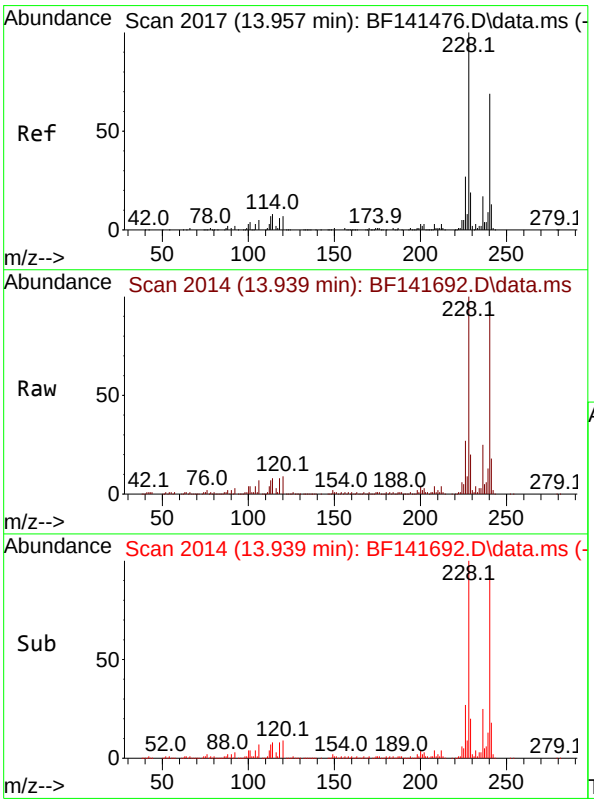
#75
Fluoranthene
Concen: 37.702 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:202 Resp: 712981

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.5	0.0	37.6

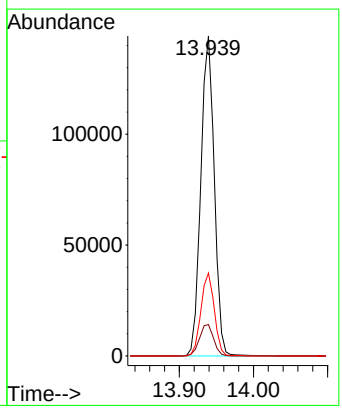


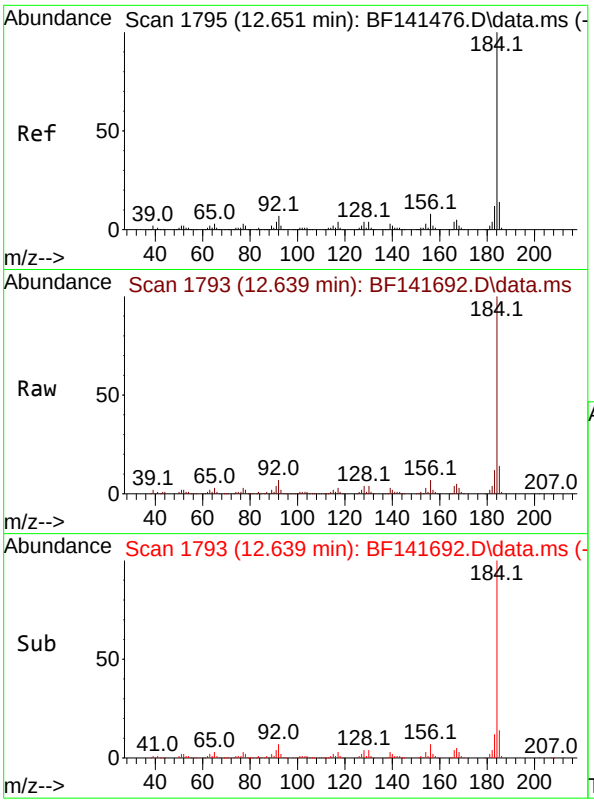


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:240 Resp: 182126

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.9	19.8	29.8



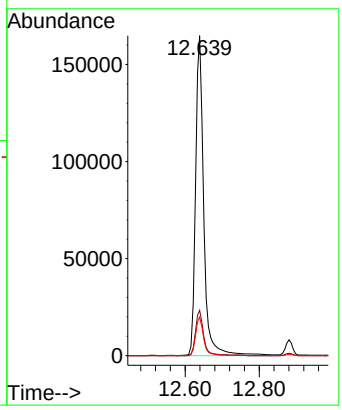


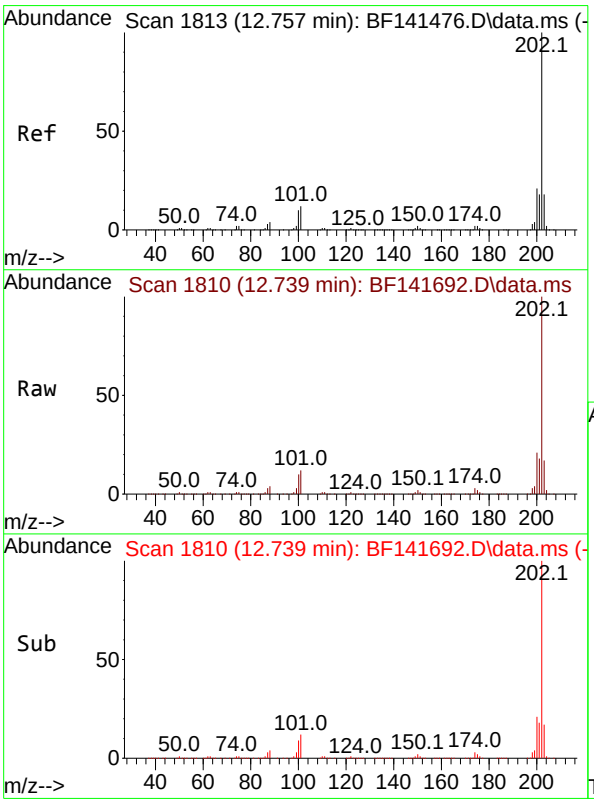
#77
Benzidine
Concen: 62.982 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:184 Resp: 252977

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	12.0	9.3	13.9

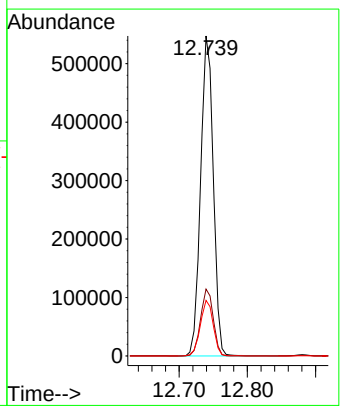


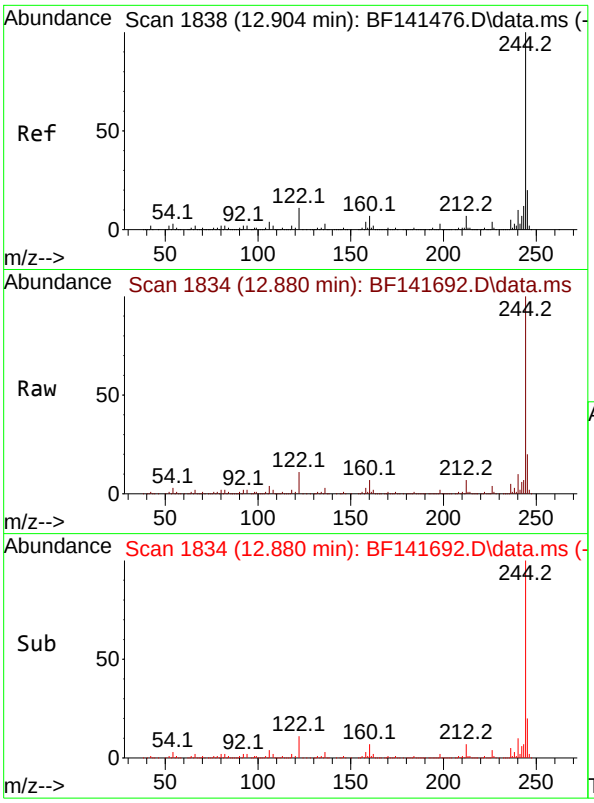


#78
Pyrene
Concen: 45.743 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:202 Resp: 709190

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	14.3	21.5



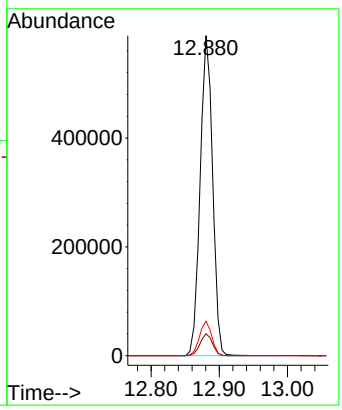


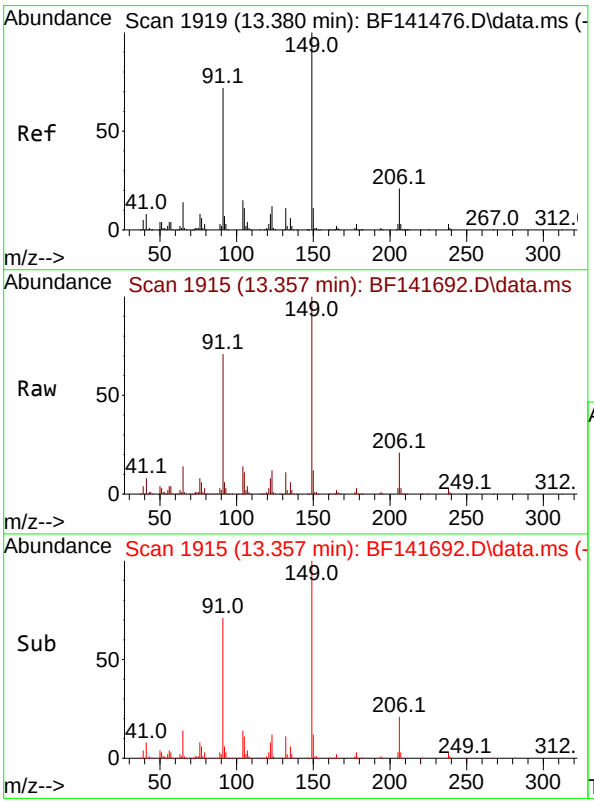
#79
Terphenyl-d14
Concen: 69.185 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:244 Resp: 746397

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.7	8.4	12.6

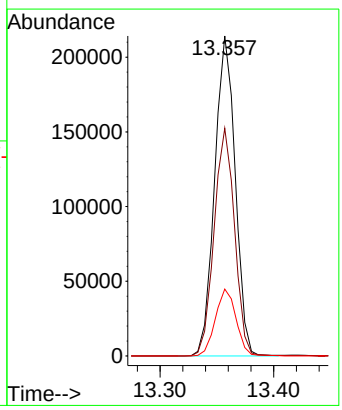


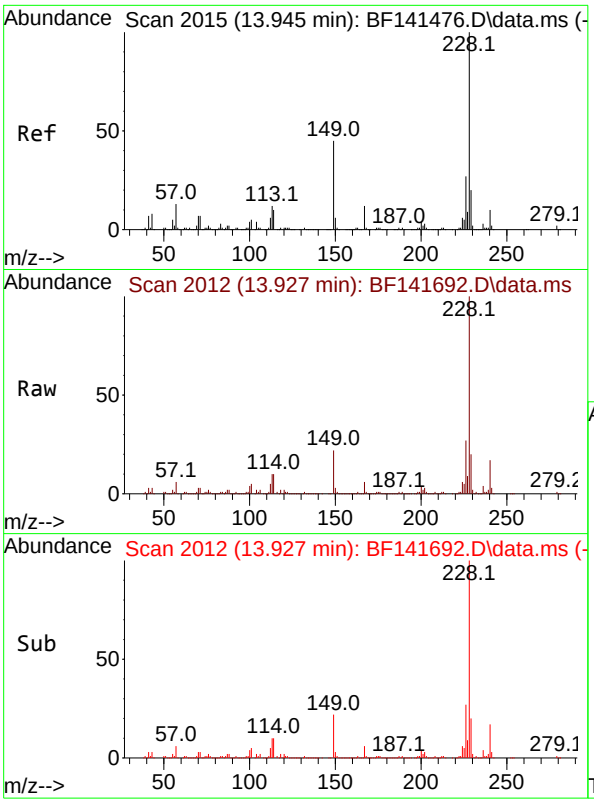


#80
Butylbenzylphthalate
Concen: 50.224 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 269709

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.8	86.8
206	20.9	16.7	25.1



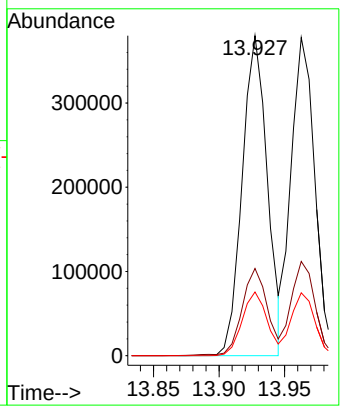


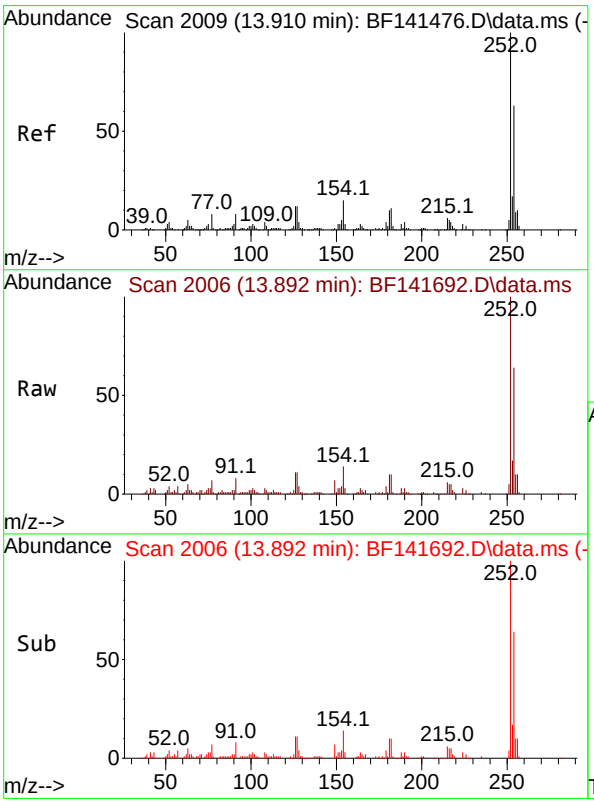
#81
Benzo(a)anthracene
Concen: 41.892 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:228 Resp: 507165

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.8	23.6

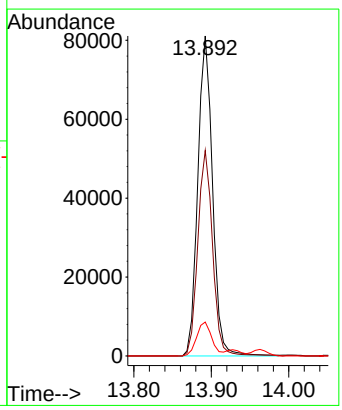


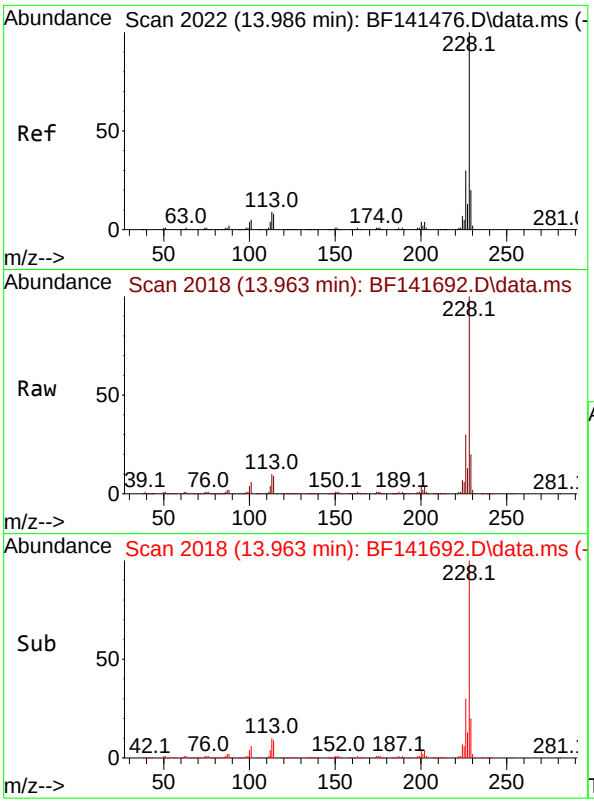


#82
3,3'-Dichlorobenzidine
Concen: 30.913 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:252 Resp: 107206

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.6	76.0
126	10.6	9.3	13.9



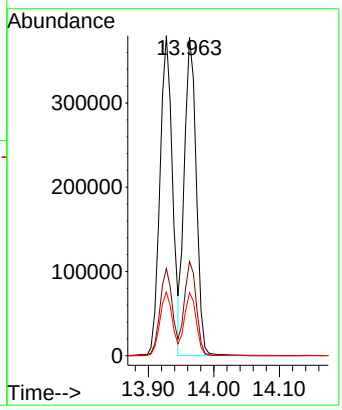


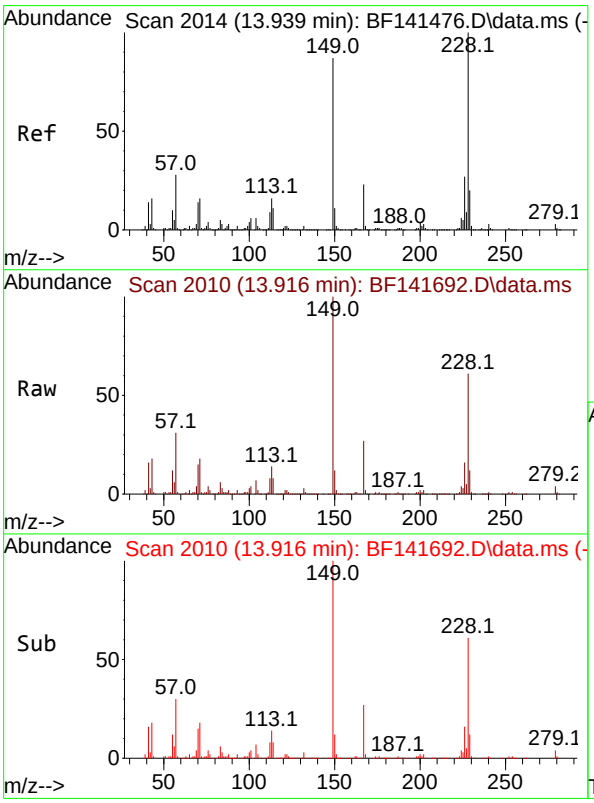
#83
Chrysene
Concen: 42.585 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:228 Resp: 476035

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.8	15.7	23.5

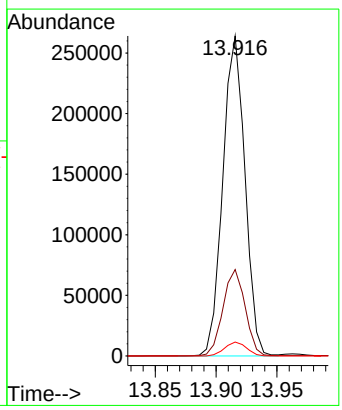


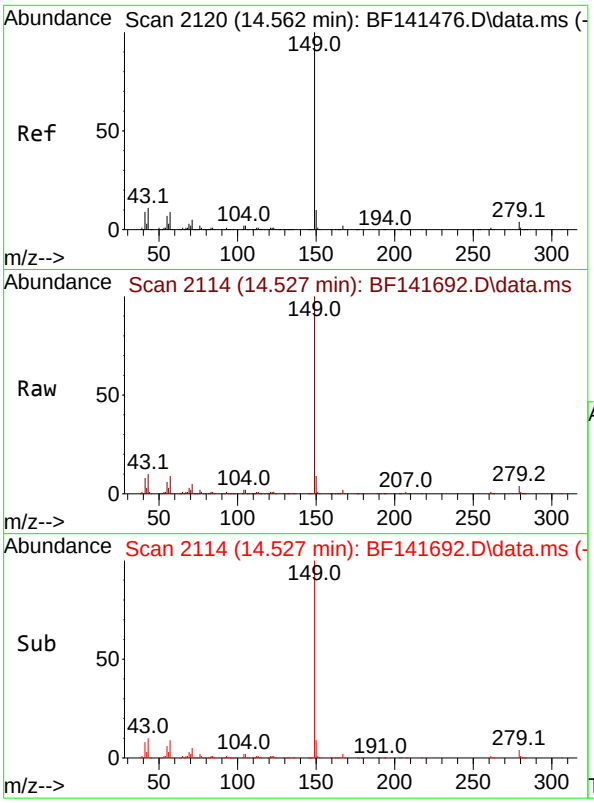


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.207 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:149 Resp: 334366

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.4	3.1	4.7



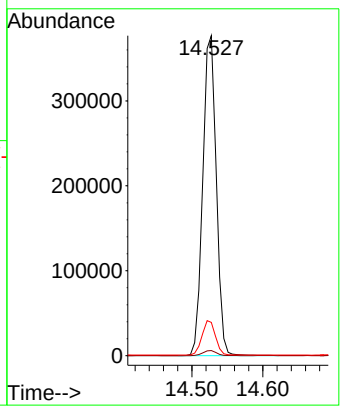


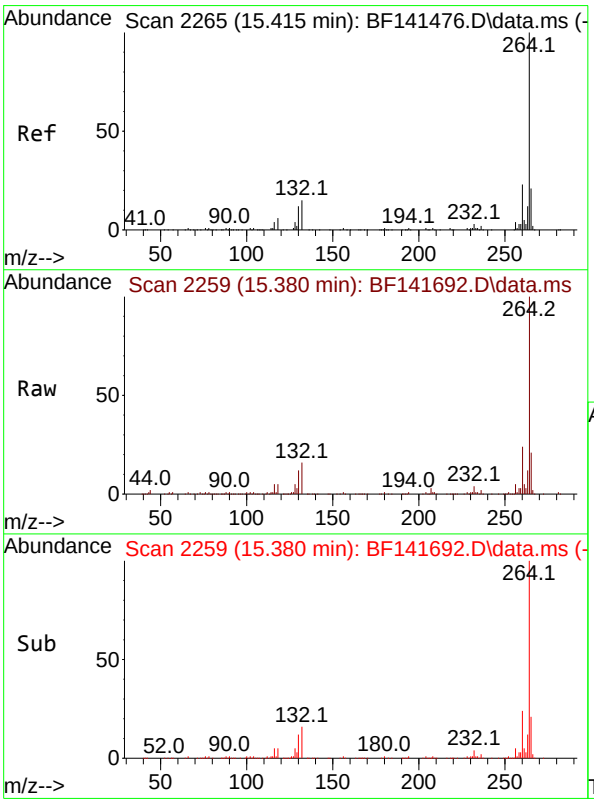
#85
Di-n-octyl phthalate
Concen: 57.843 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:149 Resp: 499782

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.7	9.5	14.3

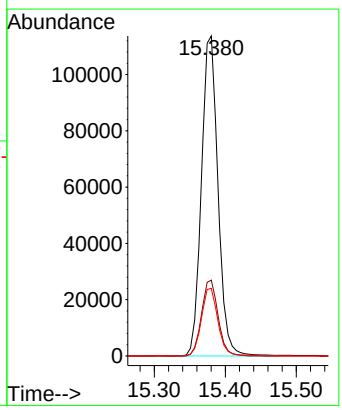


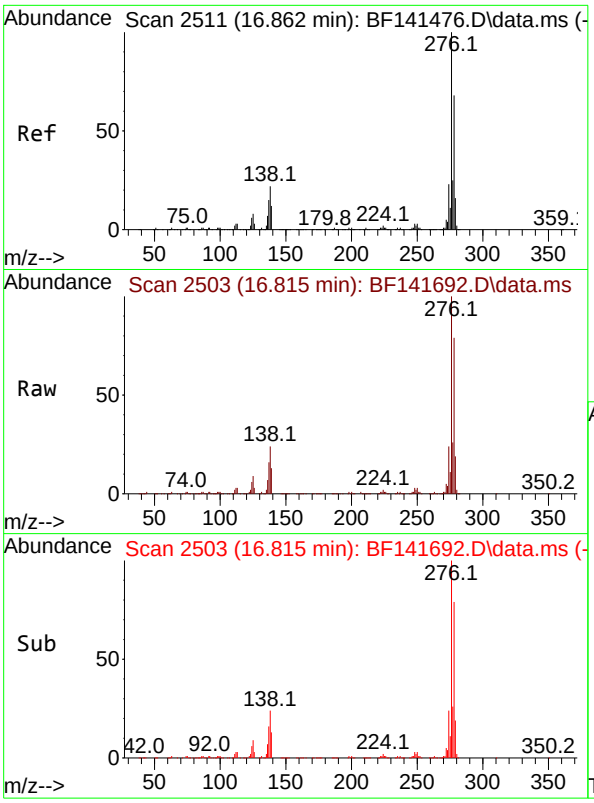


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:264 Resp: 184442

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.1	17.0	25.4



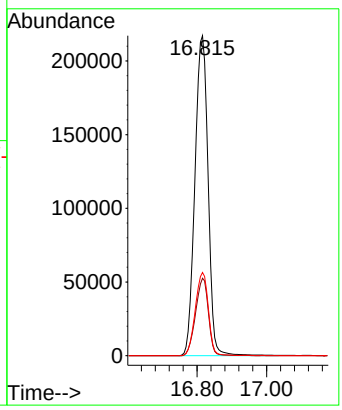


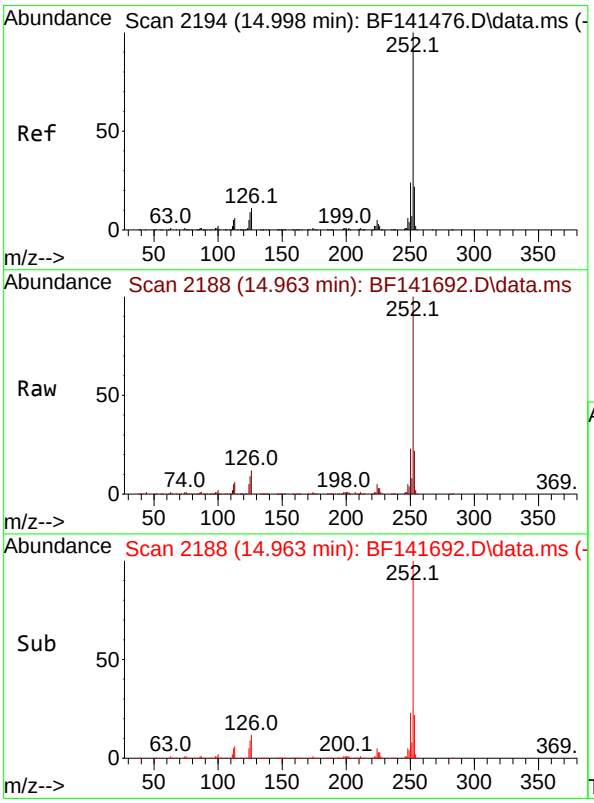
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.972 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:276 Resp: 569511

Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.8	20.4	30.6

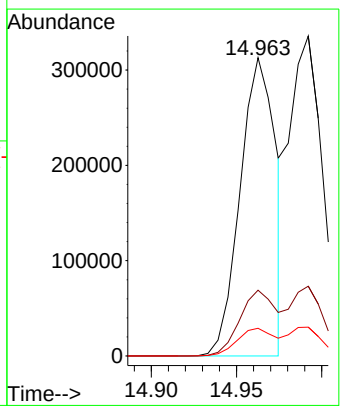


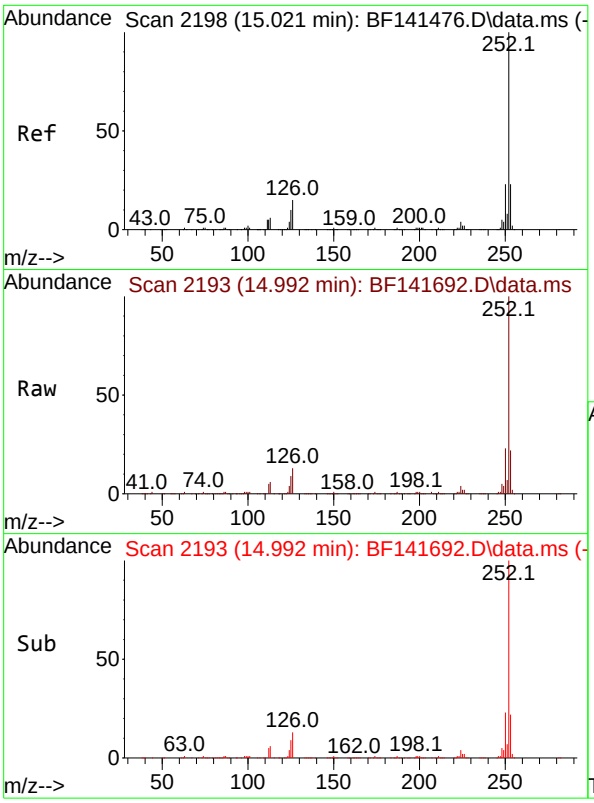


#88
Benzo(b)fluoranthene
Concen: 36.652 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:252 Resp: 453916

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.3	7.0	10.6



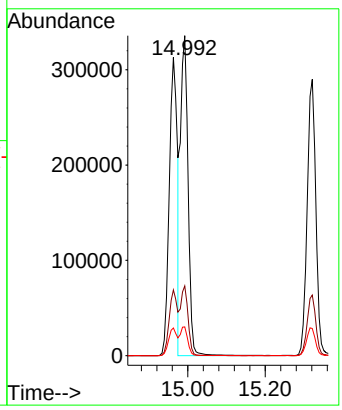


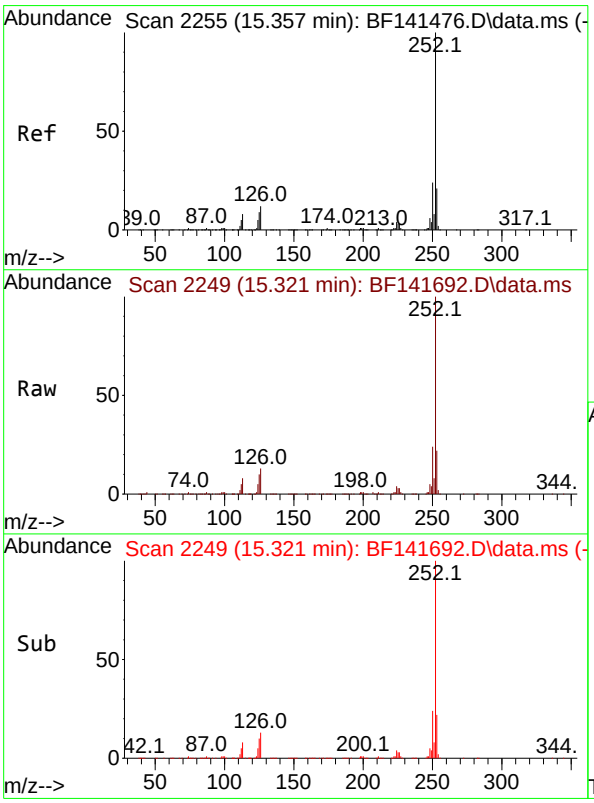
#89
Benzo(k)fluoranthene
Concen: 43.450 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:252 Resp: 459485

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	9.0	7.4	11.0

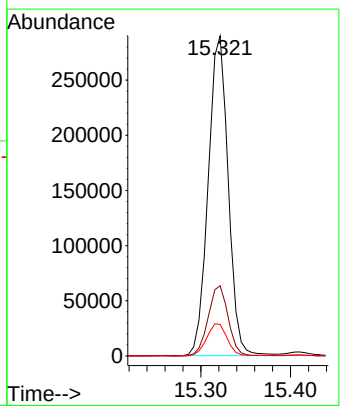


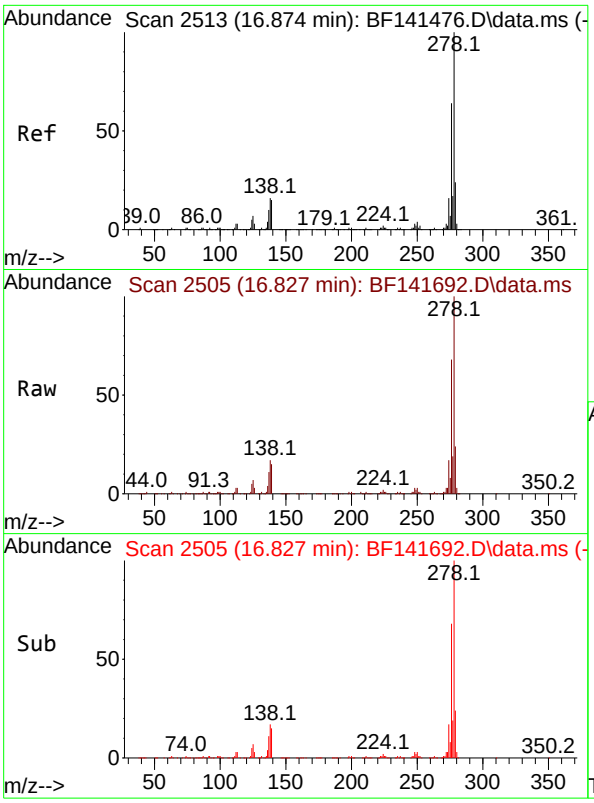


#90
Benzo(a)pyrene
Concen: 44.799 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:252 Resp: 448930

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.9	7.4	11.2



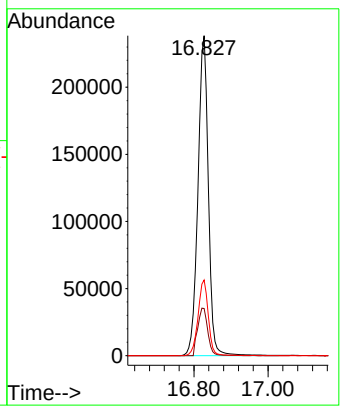


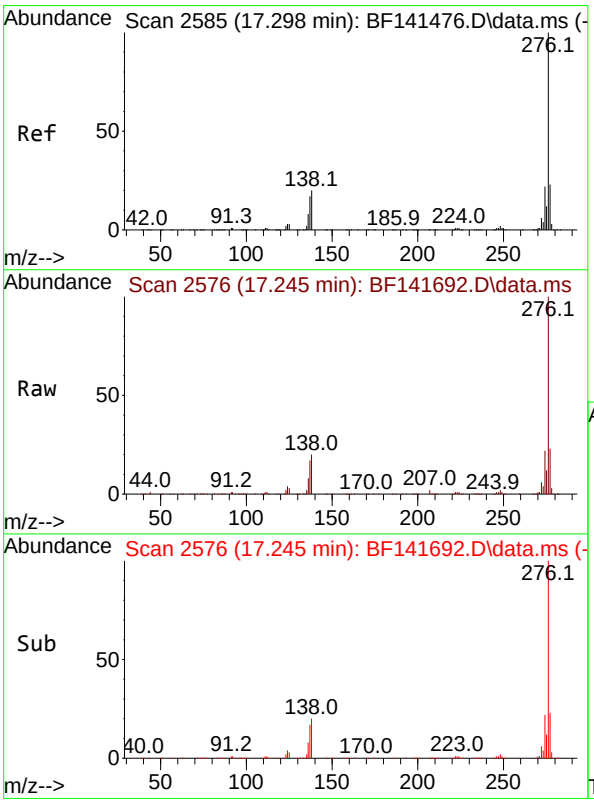
#91
Dibenzo(a,h)anthracene
Concen: 50.227 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.064 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725MSD

Tgt Ion:278 Resp: 463816

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.7	19.1	28.7

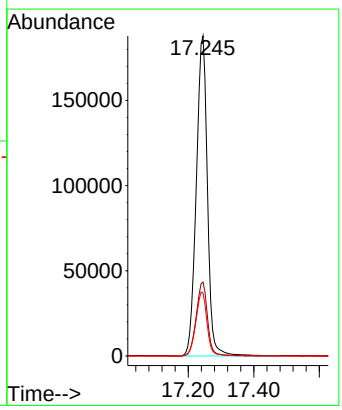




#92
Benzo(g,h,i)perylene
Concen: 46.085 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141692.D
Acq: 19 Feb 2025 23:36

Tgt Ion:276 Resp: 445339

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.7	15.9	23.9



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Feb 20 02:46:17 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	6.781	152	84080	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	333578	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	175620	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	284381	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	159233	20.000	ng	-0.02
86) Perylene-d12	15.380	264	177430	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	468481	87.352	ng	-0.01
7) Phenol-d6	6.422	99	561337	82.811	ng	-0.02
23) Nitrobenzene-d5	7.345	82	511901	80.041	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	138958	78.766	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	964086	84.575	ng	-0.01
79) Terphenyl-d14	12.880	244	840257	89.083	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.469	88	94779	43.909	ng	95
3) Pyridine	3.193	79	229986	44.775	ng	97
4) n-Nitrosodimethylamine	3.152	42	129005	37.930	ng	91
6) Aniline	6.445	93	247740	38.961	ng	97
8) 2-Chlorophenol	6.569	128	245940	42.440	ng	98
9) Benzaldehyde	6.334	77	137936	38.293	ng	99
10) Phenol	6.440	94	293175	41.555	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	224785	42.419	ng	99
12) 1,3-Dichlorobenzene	6.722	146	261330	42.715	ng	97
13) 1,4-Dichlorobenzene	6.798	146	266398	42.618	ng	99
14) 1,2-Dichlorobenzene	6.951	146	247985	42.745	ng	100
15) Benzyl Alcohol	6.928	79	207360	39.891	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.057	45	352380	38.846	ng	78
17) 2-Methylphenol	7.045	107	187984	41.452	ng	99
18) Hexachloroethane	7.292	117	98871	42.739	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	163637	40.358	ng	95
20) 3+4-Methylphenols	7.198	107	239036	41.476	ng	93
22) Acetophenone	7.192	105	337167	40.633	ng	94
24) Nitrobenzene	7.369	77	253453	40.641	ng	98
25) Isophorone	7.604	82	413093	40.509	ng	99
26) 2-Nitrophenol	7.681	139	131772	42.470	ng	94
27) 2,4-Dimethylphenol	7.722	122	149351	41.204	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	274608	42.025	ng	100
29) 2,4-Dichlorophenol	7.928	162	204723	41.802	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	221676	41.566	ng	99
31) Naphthalene	8.087	128	718945	41.404	ng	99
32) Benzoic acid	7.851	122	126034	33.475	ng	97
33) 4-Chloroaniline	8.139	127	240828	39.725	ng	98
34) Hexachlorobutadiene	8.198	225	135641	42.366	ng	99
35) Caprolactam	8.510	113	58706	39.370	ng	92
36) 4-Chloro-3-methylphenol	8.628	107	215204	39.669	ng	98
37) 2-Methylnaphthalene	8.775	142	461190	40.816	ng	99
38) 1-Methylnaphthalene	8.875	142	441230	40.318	ng	99
40) 1,2,4,5-Tetrachloroben...	8.939	216	217164	42.741	ng	98
41) Hexachlorocyclopentadiene	8.922	237	49825	29.483	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	136859	41.676	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Feb 20 02:46:17 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	147858	41.546	ng	97
46) 1,1'-Biphenyl	9.239	154	576246	42.323	ng	100
47) 2-Chloronaphthalene	9.263	162	423178	42.031	ng	99
48) 2-Nitroaniline	9.363	65	133620	39.545	ng	95
49) Acenaphthylene	9.675	152	624279	41.687	ng	99
50) Dimethylphthalate	9.539	163	501886	42.096	ng	99
51) 2,6-Dinitrotoluene	9.604	165	108613	41.673	ng	98
52) Acenaphthene	9.851	154	407725	40.498	ng	99
53) 3-Nitroaniline	9.775	138	108260	38.593	ng	98
54) 2,4-Dinitrophenol	9.892	184	43173	27.871	ng	91
55) Dibenzofuran	10.022	168	603488	40.838	ng	98
56) 4-Nitrophenol	9.957	139	63683	30.582	ng	92
57) 2,4-Dinitrotoluene	10.010	165	139778	40.286	ng	99
58) Fluorene	10.363	166	467231	40.892	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	124299	40.567	ng	95
60) Diethylphthalate	10.233	149	481565	41.053	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	232006	42.206	ng	96
62) 4-Nitroaniline	10.386	138	104128	36.557	ng	97
63) Azobenzene	10.516	77	465416	39.911	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	70281	35.577	ng	92
66) n-Nitrosodiphenylamine	10.475	169	398837	43.812	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	141150	44.410	ng	98
68) Hexachlorobenzene	10.910	284	142480	43.534	ng	98
69) Atrazine	11.004	200	104658	38.322	ng	99
70) Pentachlorophenol	11.110	266	64773	30.952	ng	97
71) Phenanthrene	11.322	178	645237	41.219	ng	100
72) Anthracene	11.375	178	643493	40.893	ng	100
73) Carbazole	11.533	167	549351	38.799	ng	99
74) Di-n-butylphthalate	11.863	149	686027	41.961	ng	100
75) Fluoranthene	12.510	202	602029	36.275	ng	100
77) Benzidine	12.639	184	135198	38.498	ng	99
78) Pyrene	12.739	202	595275	43.915	ng	100
80) Butylbenzylphthalate	13.357	149	219614	46.775	ng	100
81) Benzo(a)anthracene	13.927	228	441236	41.686	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	137095	45.215	ng	100
83) Chrysene	13.963	228	415159	42.478	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	286347	54.076	ng	100
85) Di-n-octyl phthalate	14.527	149	432533	57.257	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	514199	46.902	ng	99
88) Benzo(b)fluoranthene	14.963	252	431312	36.203	ng	100
89) Benzo(k)fluoranthene	14.992	252	351504	34.552	ng	99
90) Benzo(a)pyrene	15.321	252	394420	40.915	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	419567	47.231	ng	99
92) Benzo(g,h,i)perylene	17.245	276	429072	46.156	ng	100

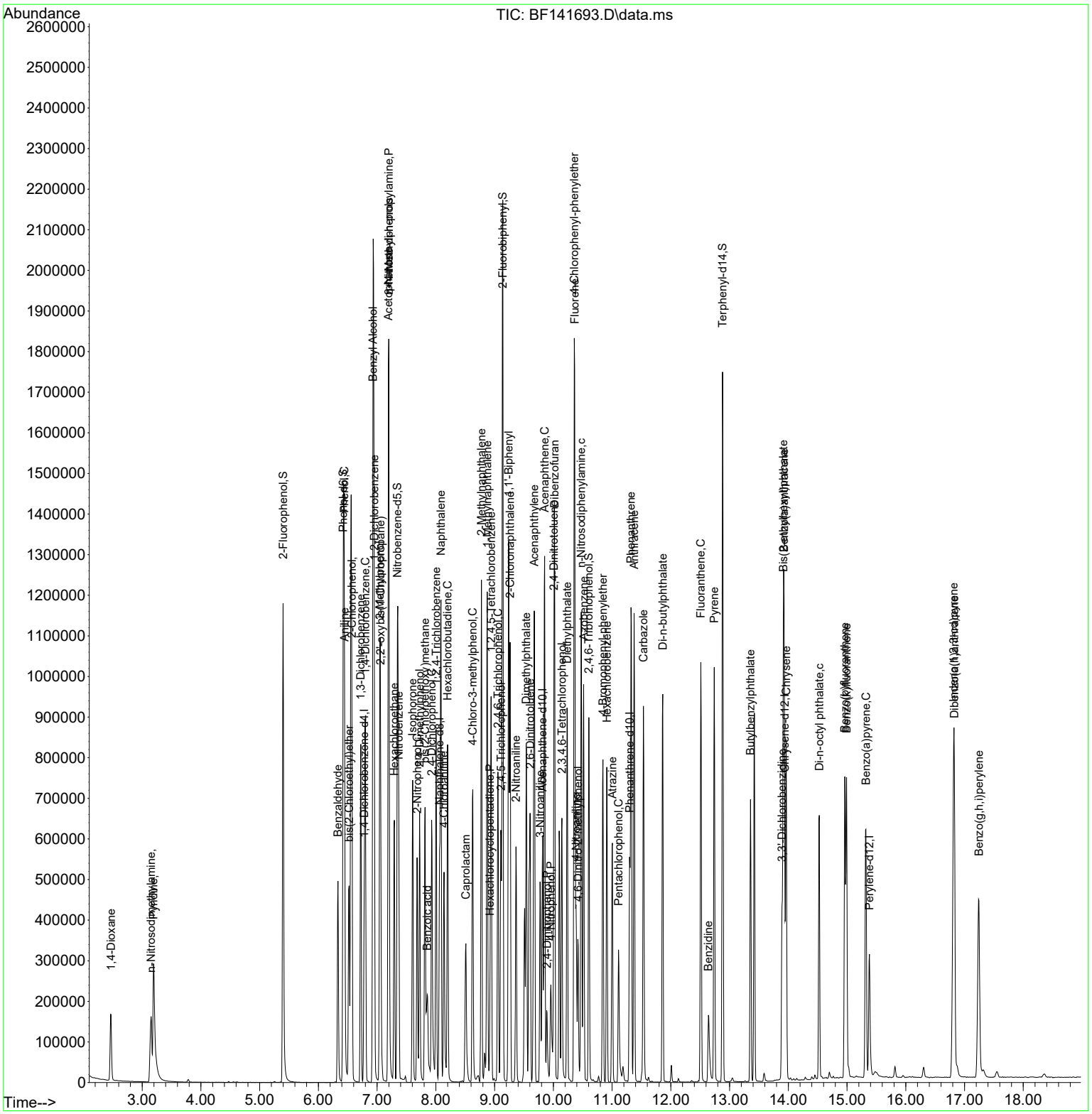
(#) = qualifier out of range (m) = manual integration (+) = signals summed

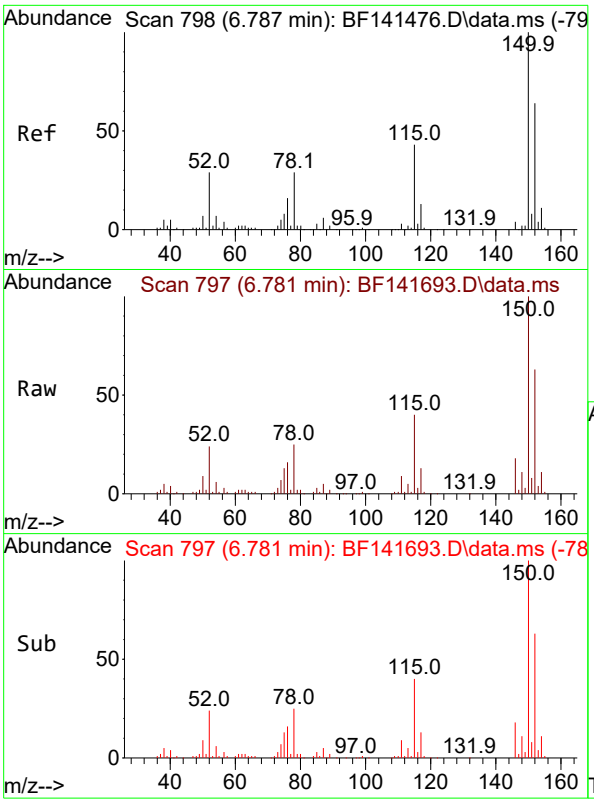
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
Data File : BF141693.D
Acq On : 20 Feb 2025 00:05
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Feb 20 02:46:17 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



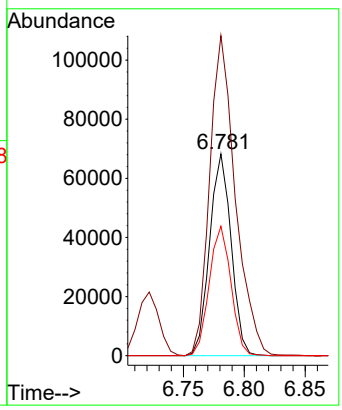


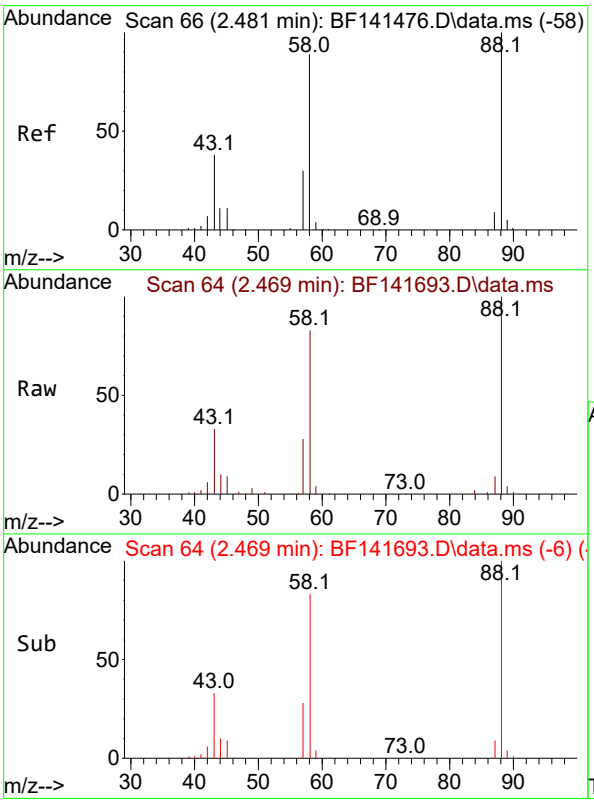
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 84080

Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.0	187.4
115	64.1	53.6	80.4

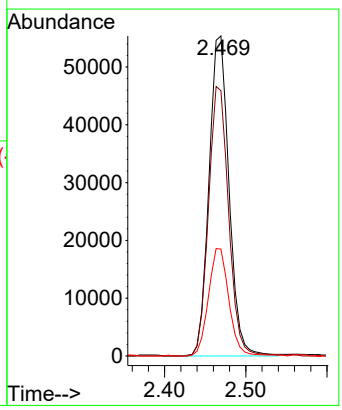


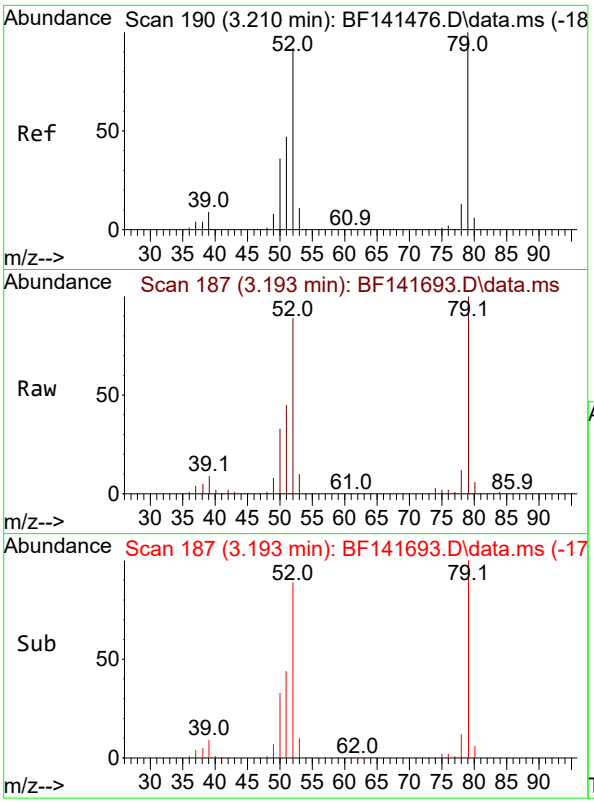


#2
1,4-Dioxane
Concen: 43.909 ng
RT: 2.469 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 88 Resp: 94779

Ion	Ratio	Lower	Upper
88	100		
58	84.5	71.1	106.7
43	34.4	30.6	46.0



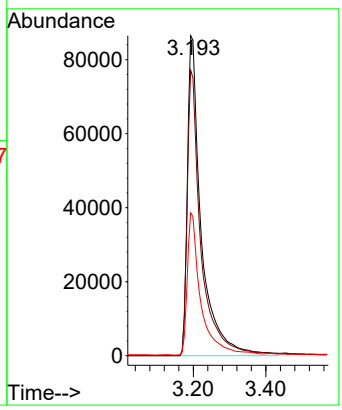


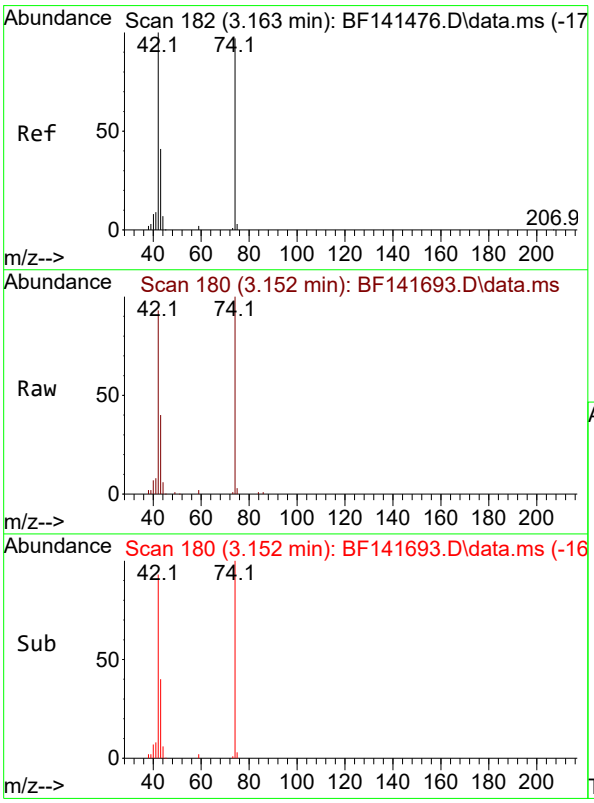
#3
Pyridine
Concen: 44.775 ng
RT: 3.193 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 229986

Ion	Ratio	Lower	Upper
79	100		
52	89.2	73.7	110.5
51	44.6	37.5	56.3

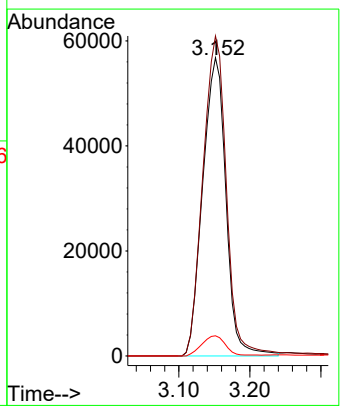


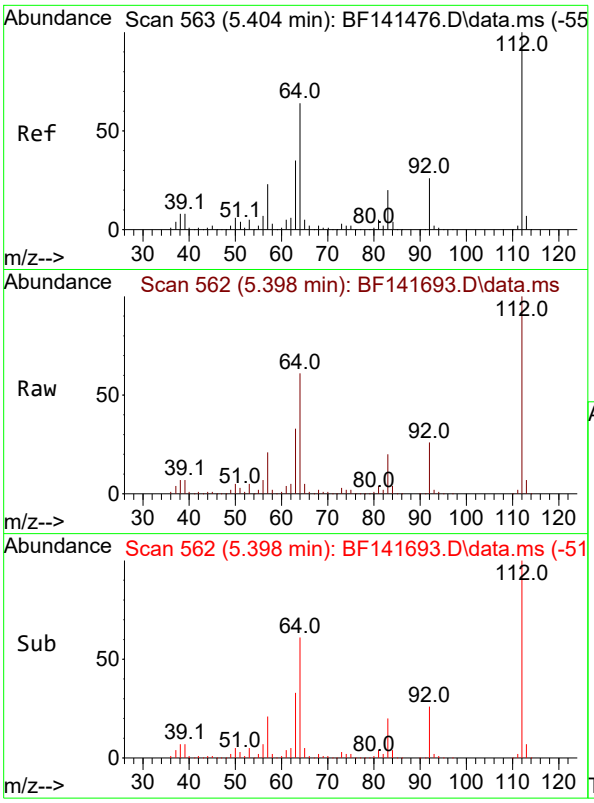


#4
n-Nitrosodimethylamine
Concen: 37.930 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 42 Resp: 129005

Ion	Ratio	Lower	Upper
42	100		
74	107.3	78.0	117.0
44	6.8	5.4	8.2



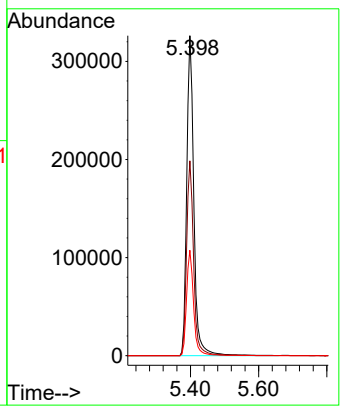


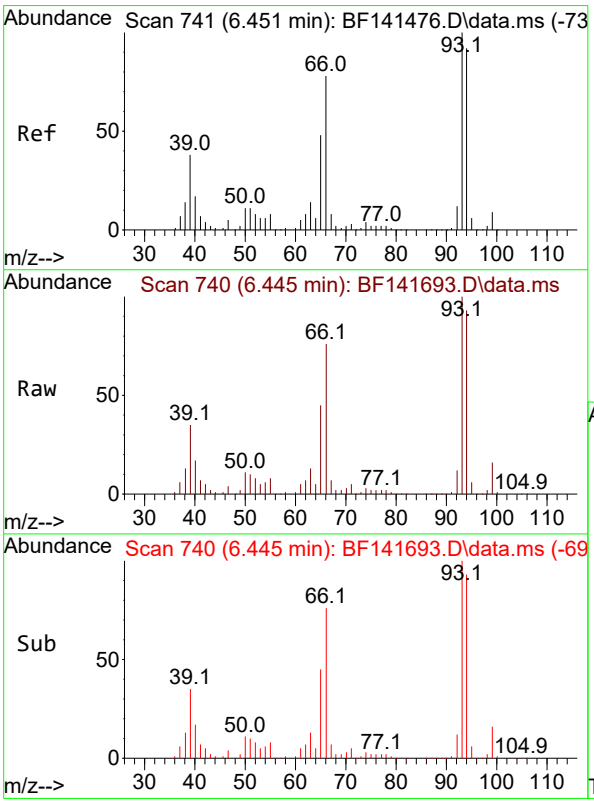
#5
2-Fluorophenol
Concen: 87.352 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 468481

Ion	Ratio	Lower	Upper
112	100		
64	60.9	51.1	76.7
63	33.0	28.4	42.6

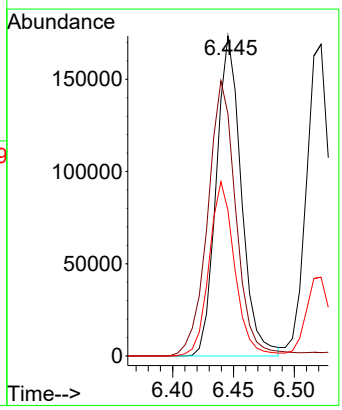


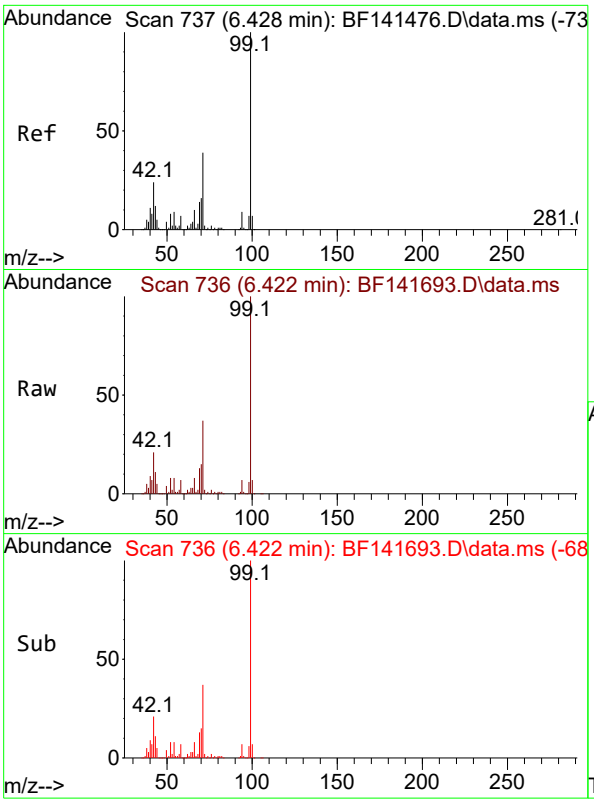


#6
Aniline
Concen: 38.961 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 93 Resp: 247740

Ion	Ratio	Lower	Upper
93	100		
66	75.6	62.6	94.0
65	45.5	38.3	57.5



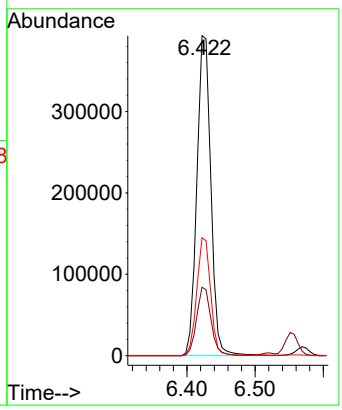


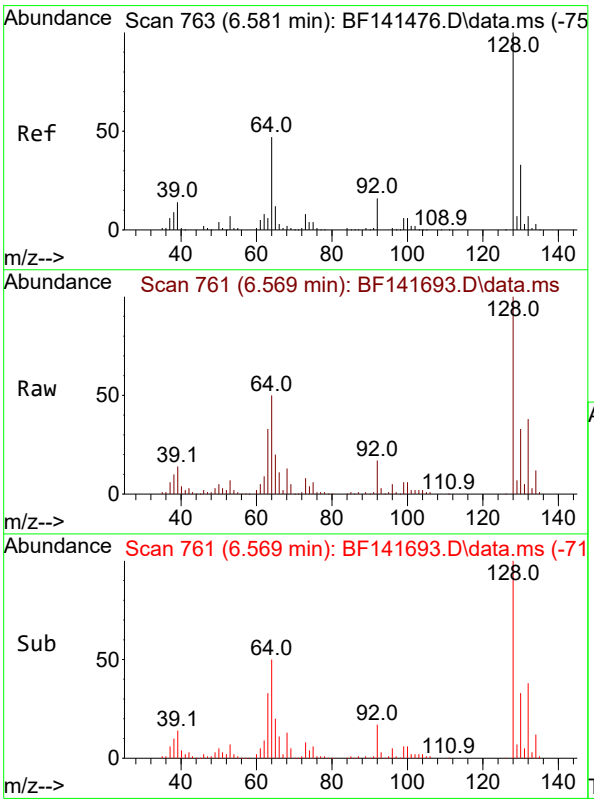
#7
Phenol-d6
Concen: 82.811 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 561337

Ion	Ratio	Lower	Upper
99	100		
42	21.4	19.1	28.7
71	36.9	31.1	46.7

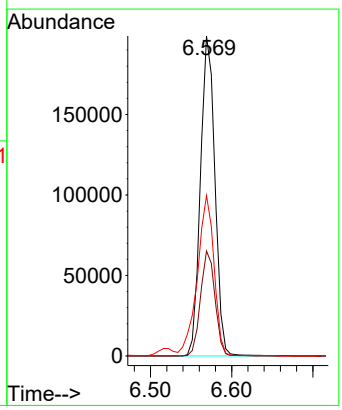


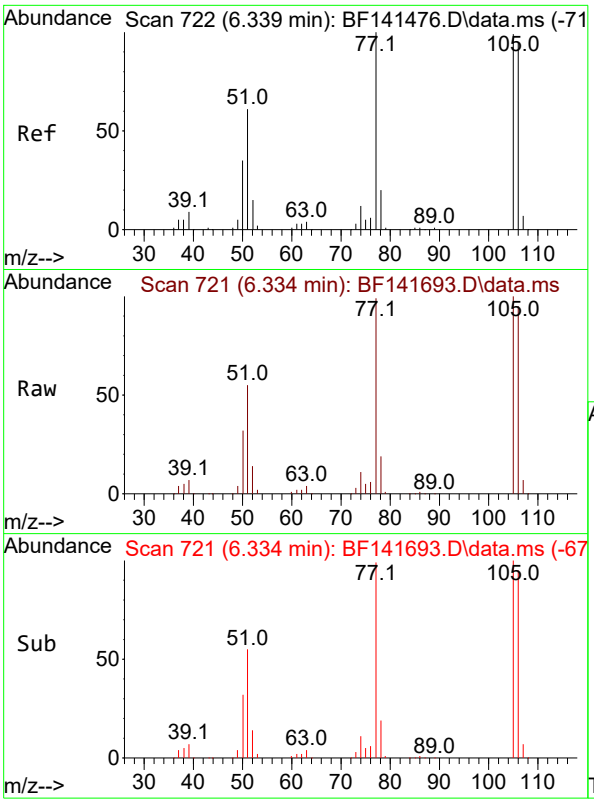


#8
2-Chlorophenol
Concen: 42.440 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:128 Resp: 245940

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	50.1	28.3	68.3



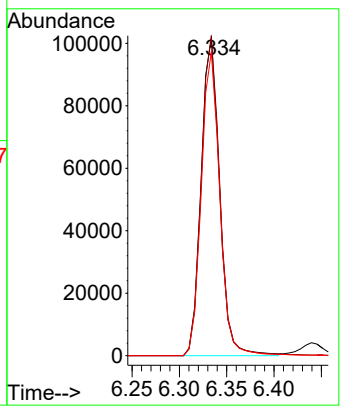


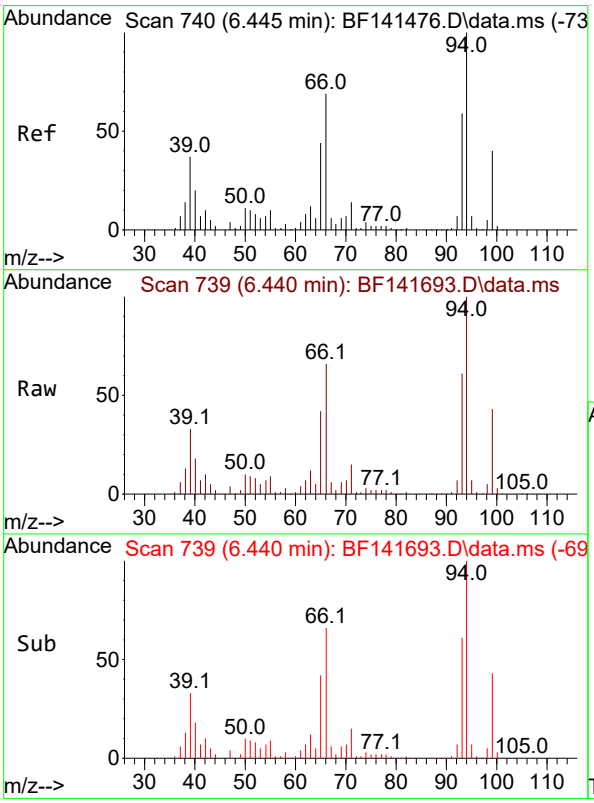
#9
Benzaldehyde
Concen: 38.293 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 137936

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	95.7	75.1	115.1

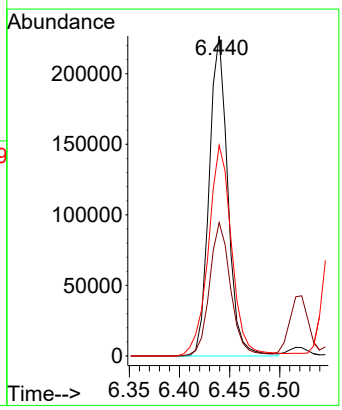


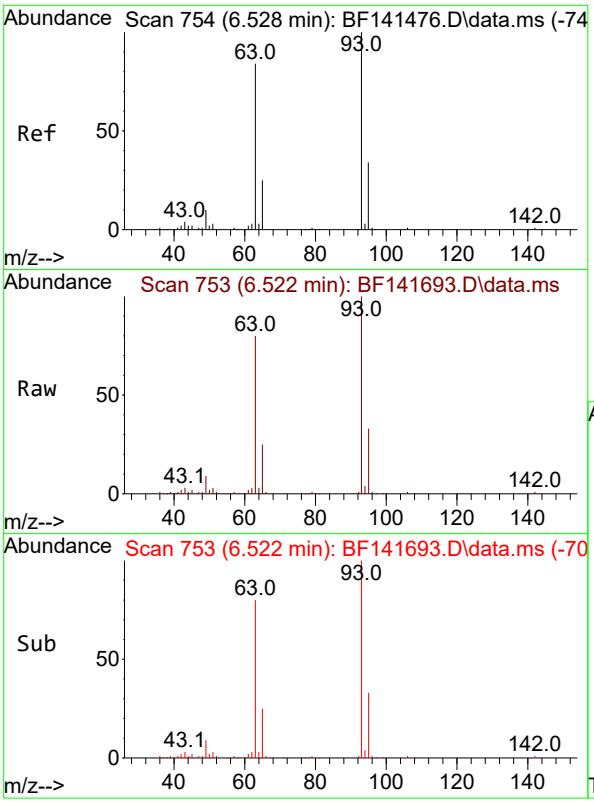


#10
Phenol
Concen: 41.555 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 94 Resp: 293175

Ion	Ratio	Lower	Upper
94	100		
65	41.7	23.7	63.7
66	65.8	49.3	89.3



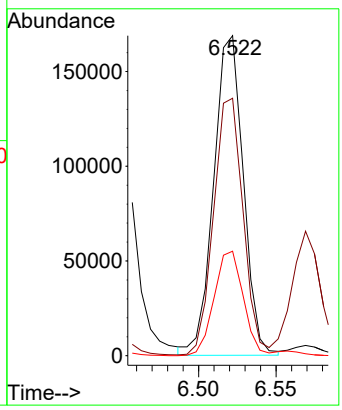


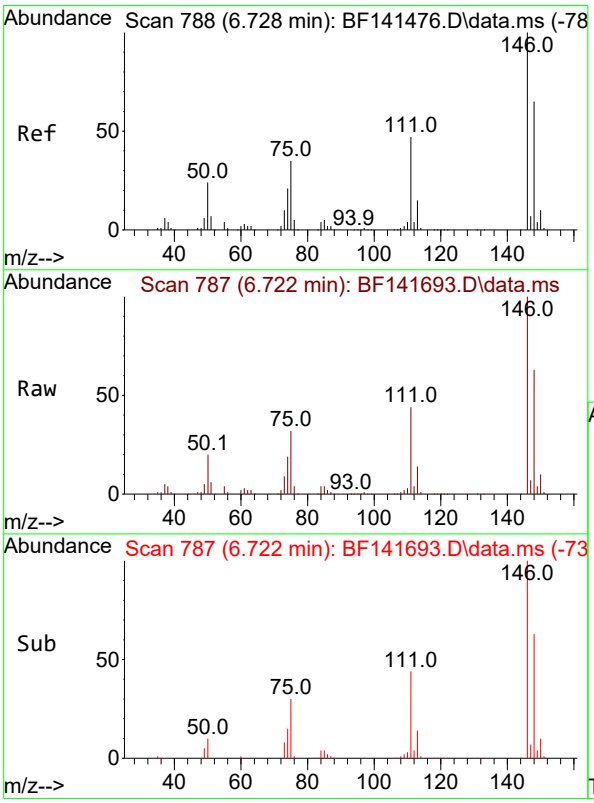
#11
bis(2-Chloroethyl)ether
Concen: 42.419 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 224785

Ion	Ratio	Lower	Upper
93	100		
63	80.5	62.0	102.0
95	32.7	12.6	52.6

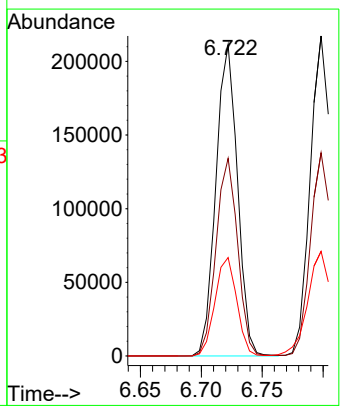


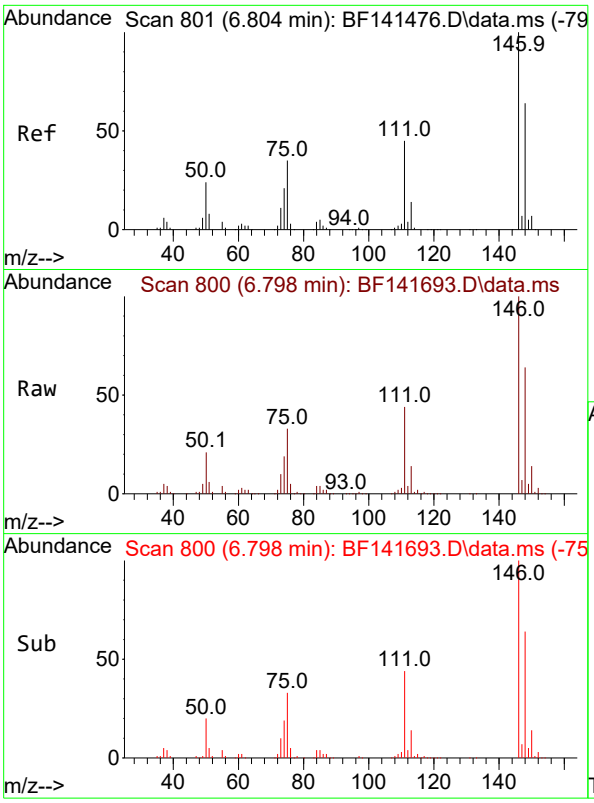


#12
1,3-Dichlorobenzene
Concen: 42.715 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:146 Resp: 261330

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
75	31.6	28.2	42.2



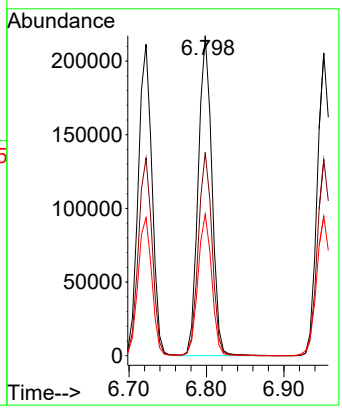


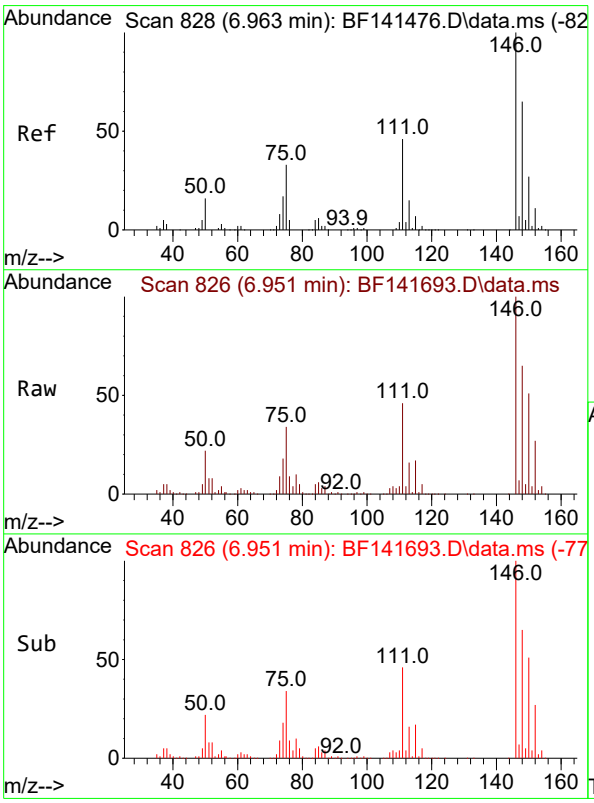
#13
1,4-Dichlorobenzene
Concen: 42.618 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 266398

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.9	76.3
111	44.2	35.9	53.9

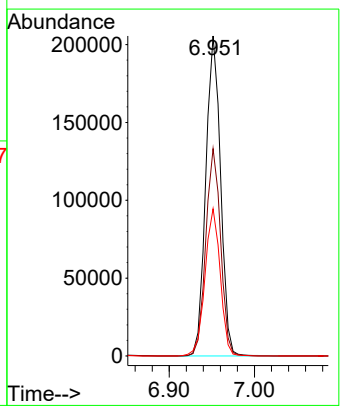


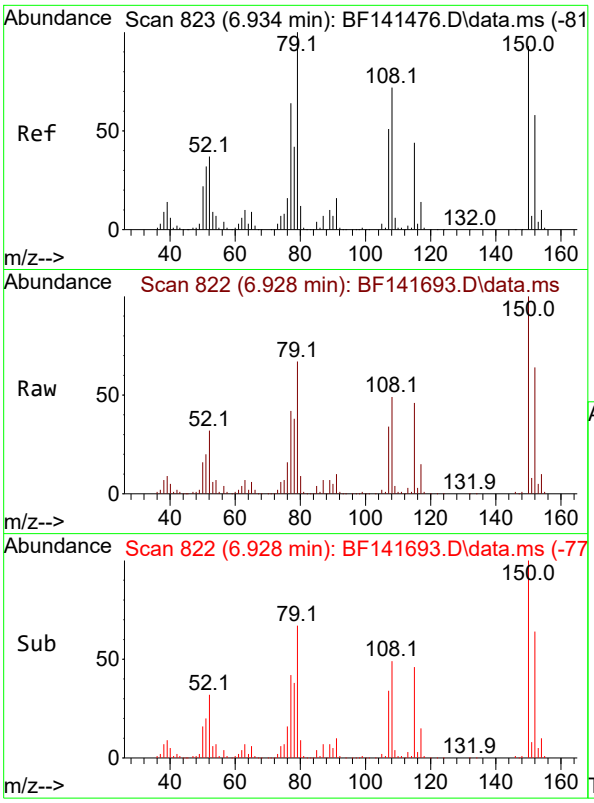


#14
1,2-Dichlorobenzene
Concen: 42.745 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:146 Resp: 247985

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
111	46.0	37.0	55.4



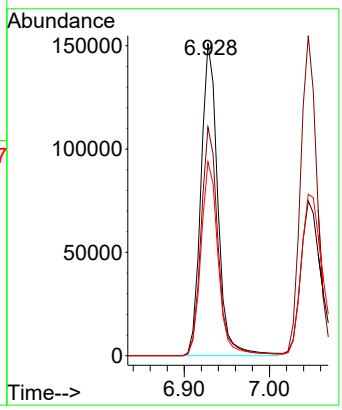


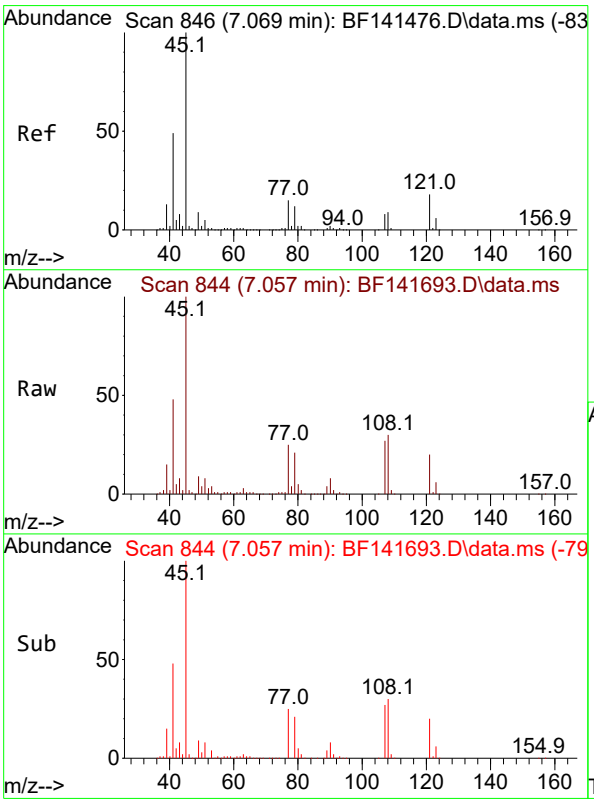
#15
Benzyl Alcohol
Concen: 39.891 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 207360

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.4	86.2
77	62.1	50.9	76.3

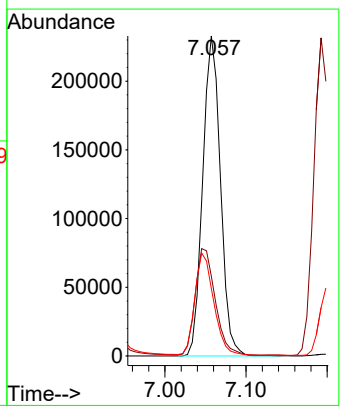


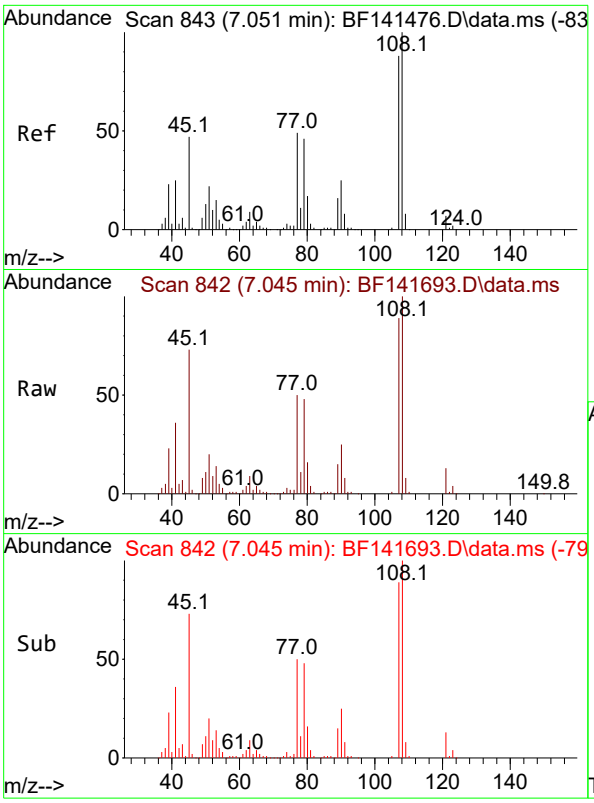


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.846 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 45 Resp: 352380

Ion	Ratio	Lower	Upper
45	100		
77	25.0	0.0	35.8
79	21.1	0.0	32.7



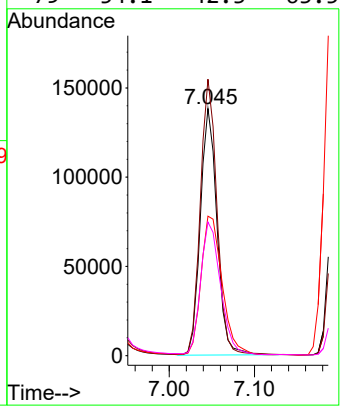


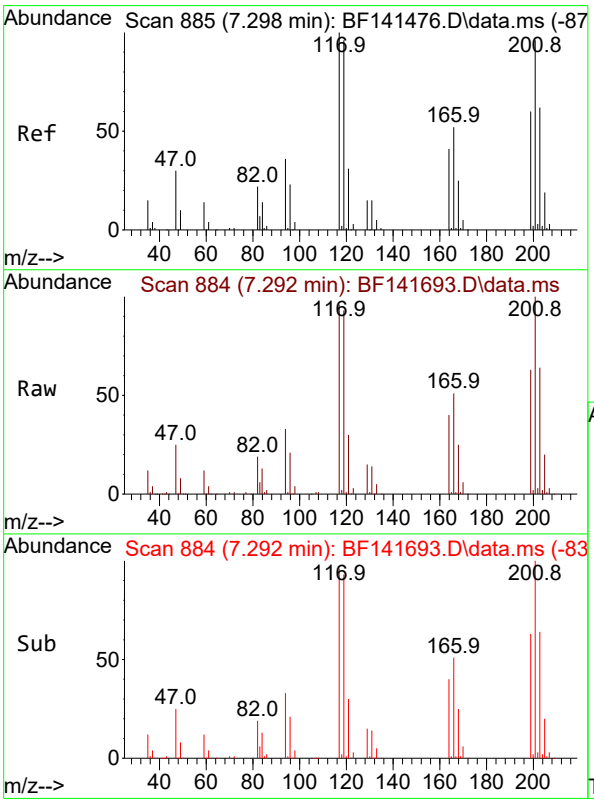
#17
2-Methylphenol
Concen: 41.452 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 187984

Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.6	136.0
77	56.4	44.4	66.6
79	54.1	42.3	63.5

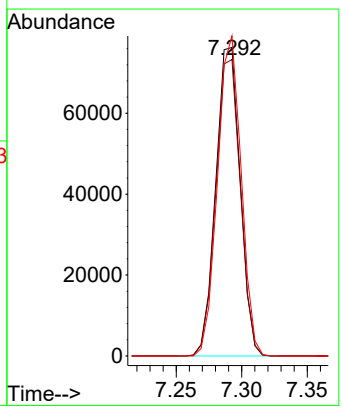


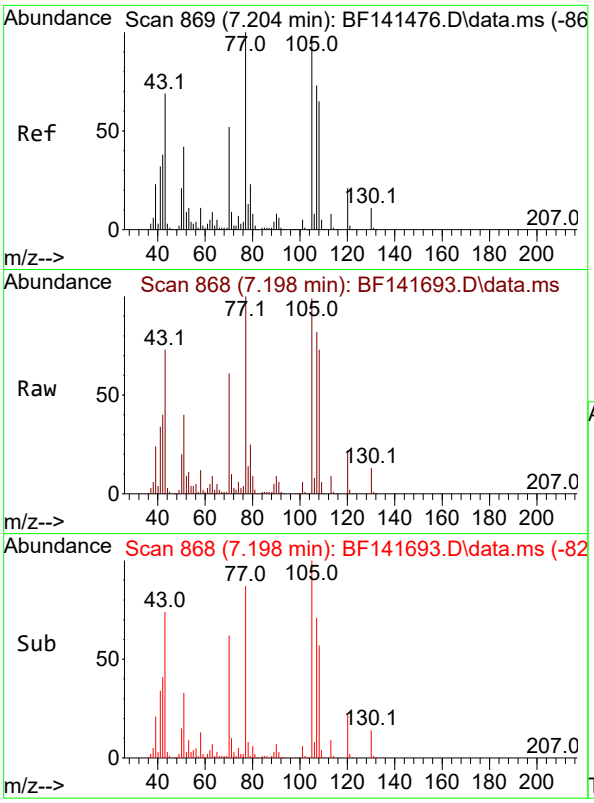


#18
Hexachloroethane
Concen: 42.739 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:117 Resp: 98871

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.5	114.7
201	103.7	76.7	115.1



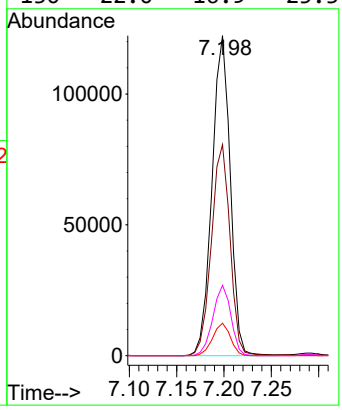


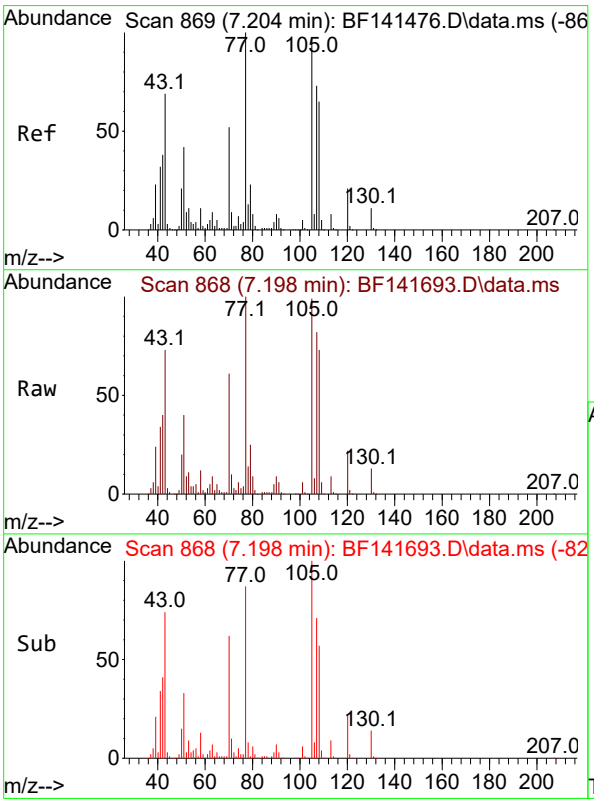
#19
n-Nitroso-di-n-propylamine
Concen: 40.358 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 163637

Ion	Ratio	Lower	Upper
70	100		
42	66.0	57.4	86.2
101	10.1	8.0	12.0
130	22.0	16.9	25.3

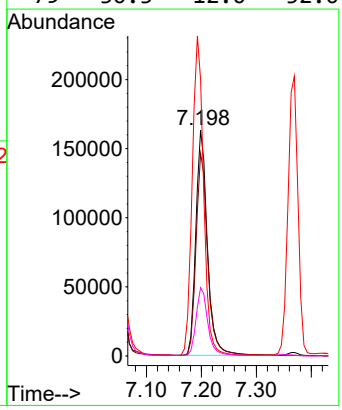


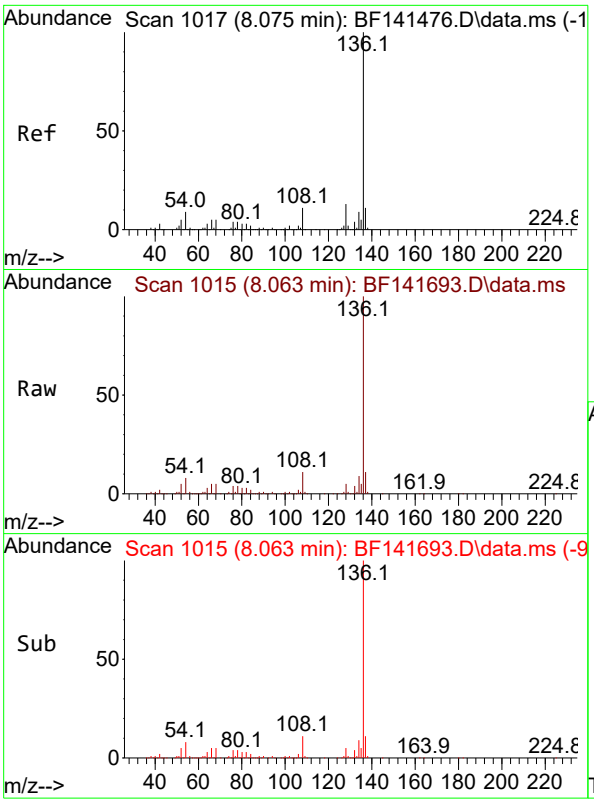


#20
3+4-Methylphenols
Concen: 41.476 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:107 Resp: 239036

Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.5	108.5
77	122.4	116.5	156.5
79	30.3	12.0	52.0



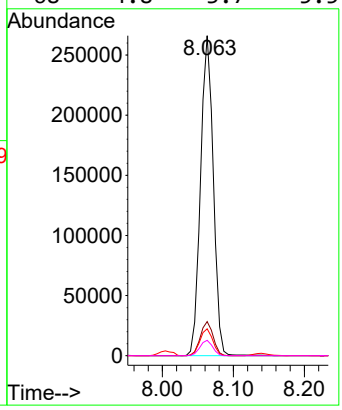


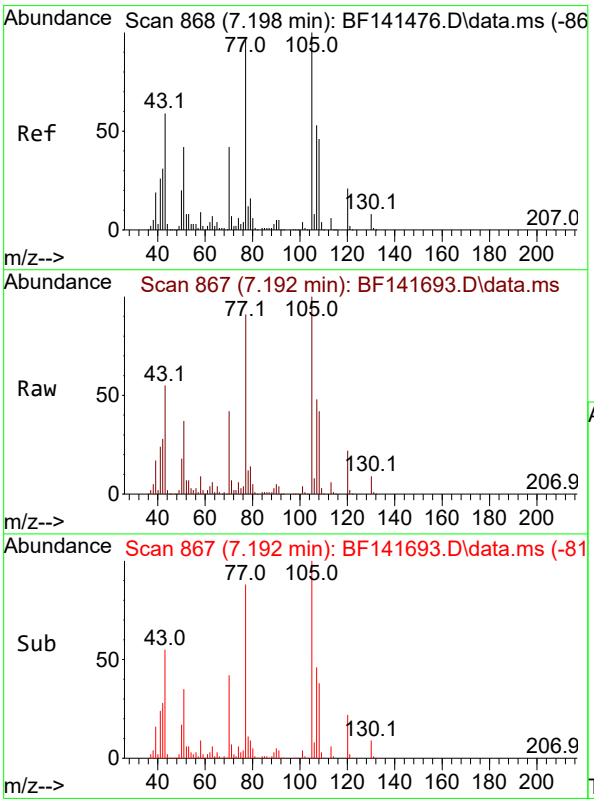
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 333578

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.4	7.2	10.8
68	4.8	3.7	5.5

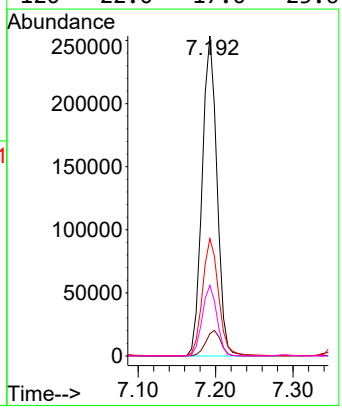


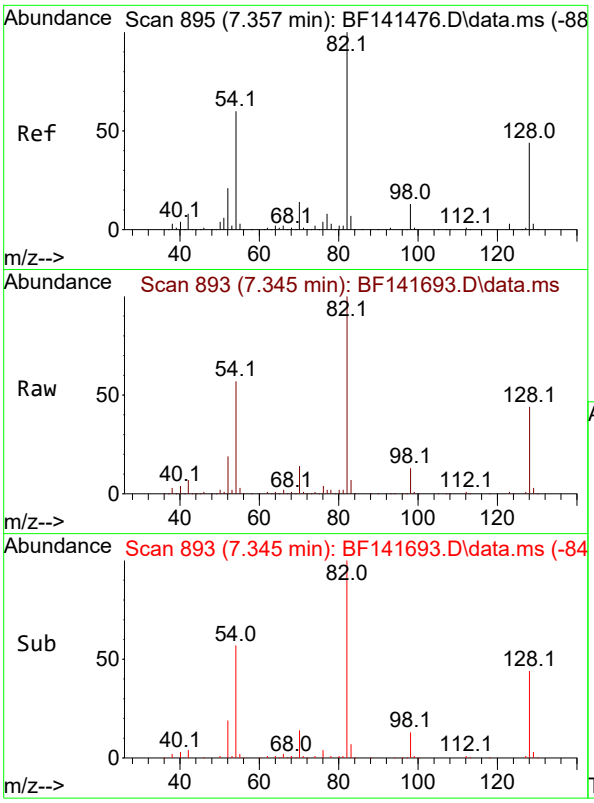


#22
Acetophenone
Concen: 40.633 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:105 Resp: 337167

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.7	8.5
51	36.6	33.7	50.5
120	22.0	17.0	25.6



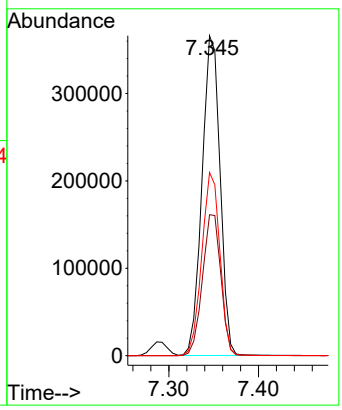


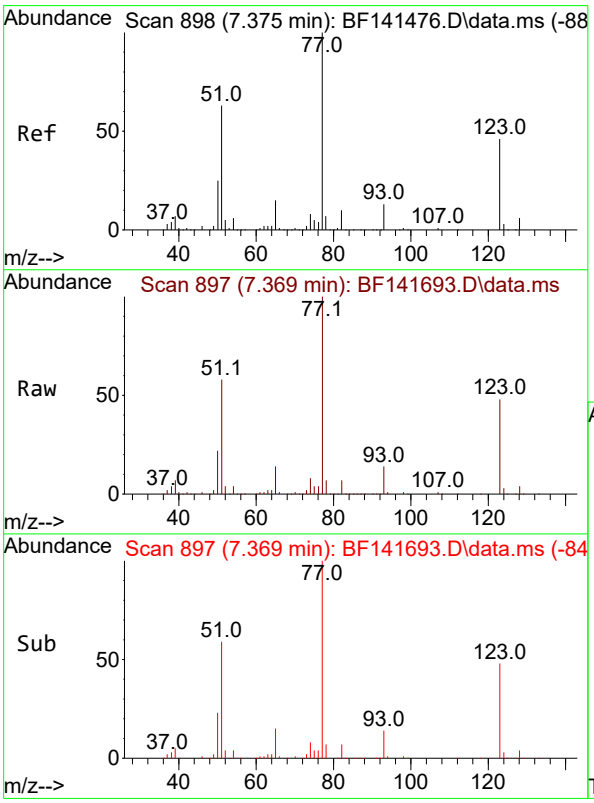
#23
Nitrobenzene-d5
Concen: 80.041 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 511901

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	57.2	48.2	72.4

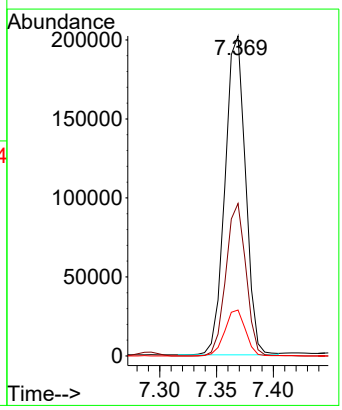


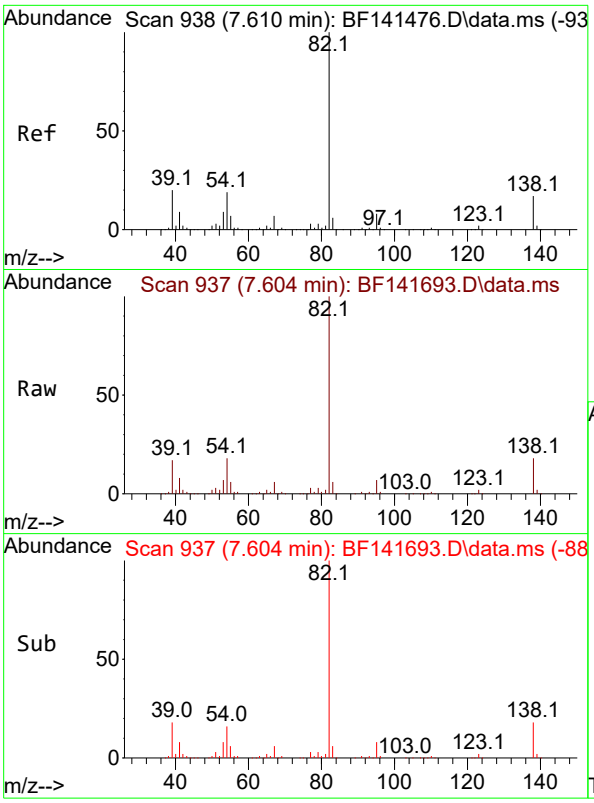


#24
Nitrobenzene
Concen: 40.641 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 77 Resp: 253453

Ion	Ratio	Lower	Upper
77	100		
123	47.7	36.9	55.3
65	14.4	11.9	17.9



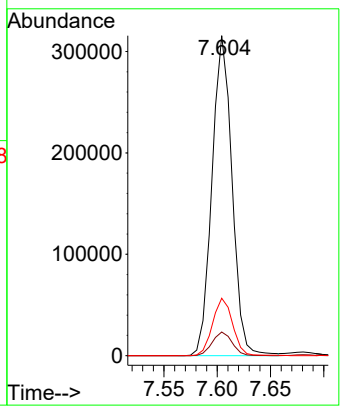


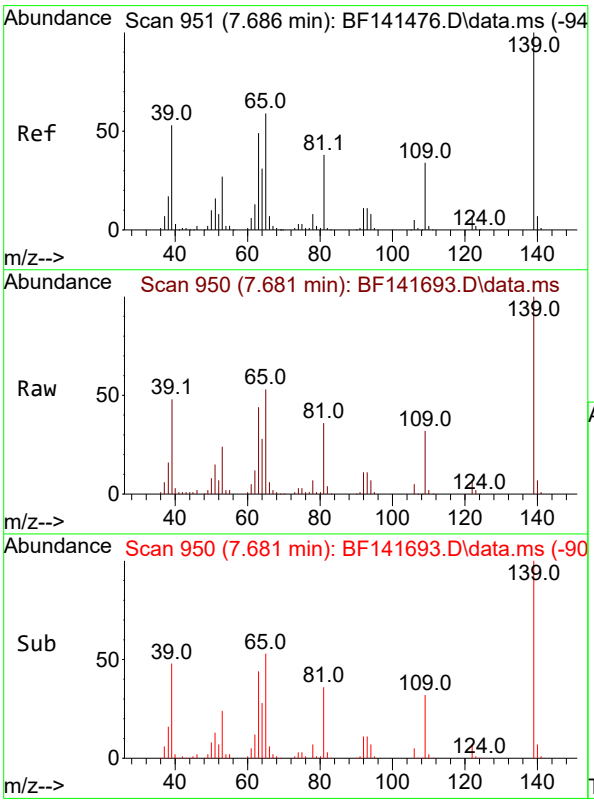
#25
Isophorone
Concen: 40.509 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 413093

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.4	9.6
138	17.9	13.9	20.9

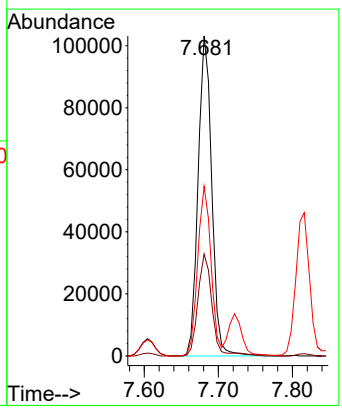


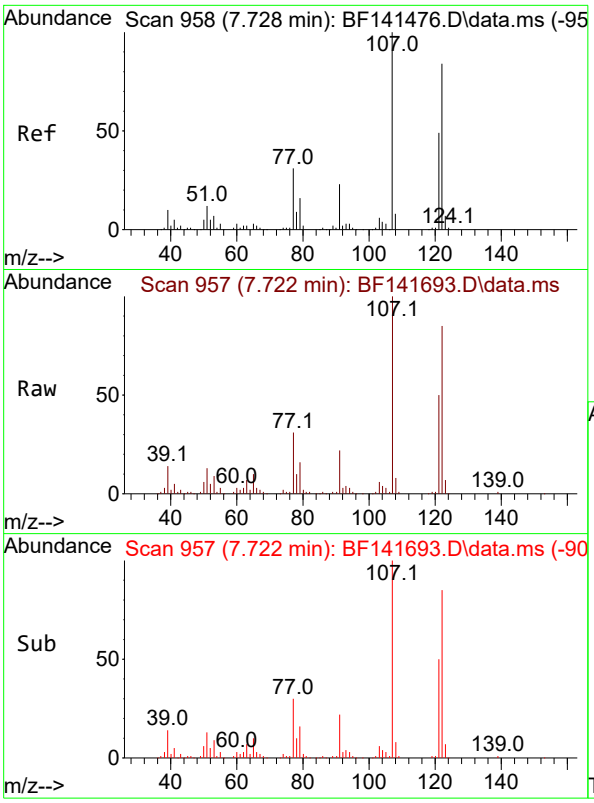


#26
2-Nitrophenol
Concen: 42.470 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:139 Resp: 131772

Ion	Ratio	Lower	Upper
139	100		
109	31.9	27.0	40.6
65	53.0	47.1	70.7



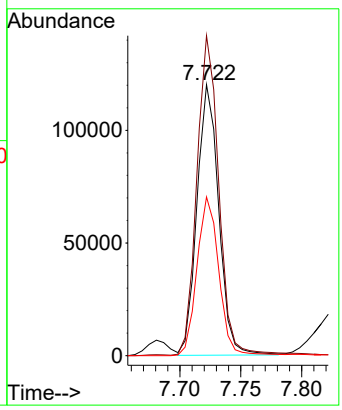


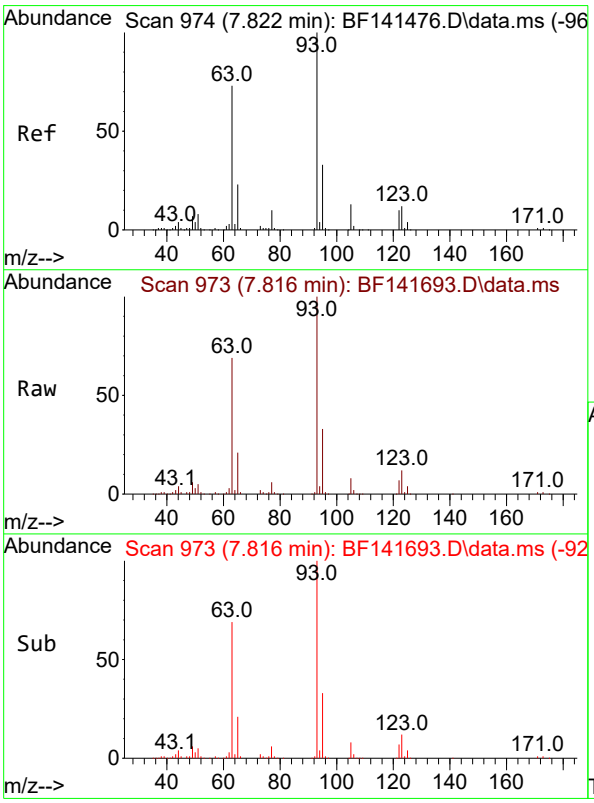
#27
2,4-Dimethylphenol
Concen: 41.204 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 149351

Ion	Ratio	Lower	Upper
122	100		
107	118.0	94.3	141.5
121	58.5	46.0	69.0

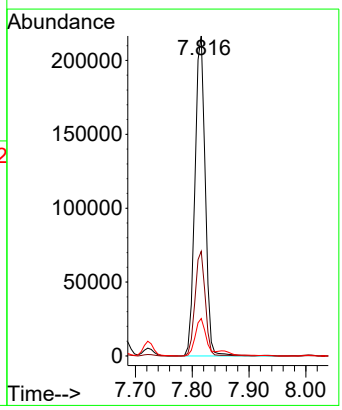


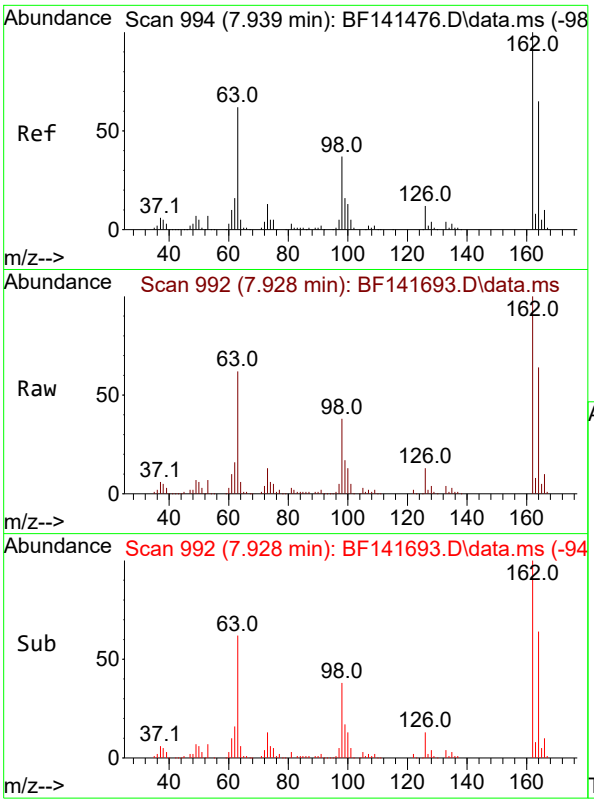


#28
bis(2-Chloroethoxy)methane
Concen: 42.025 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 93 Resp: 274608

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.7	9.5	14.3



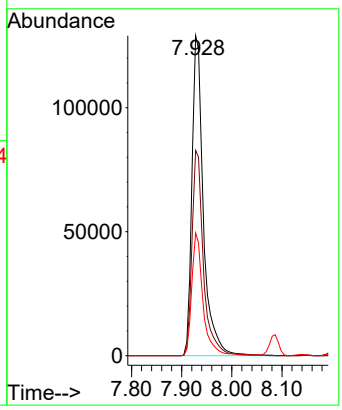


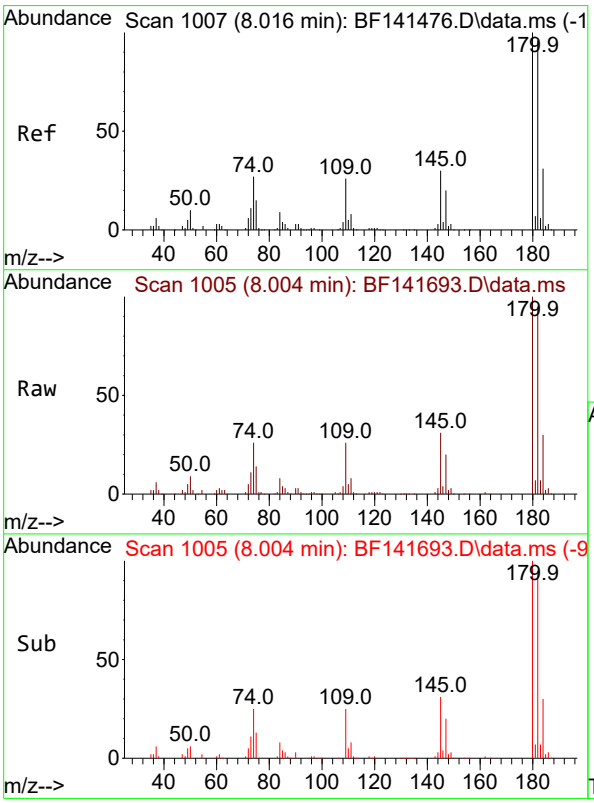
#29
2,4-Dichlorophenol
Concen: 41.802 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 204723

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	38.4	17.2	57.2

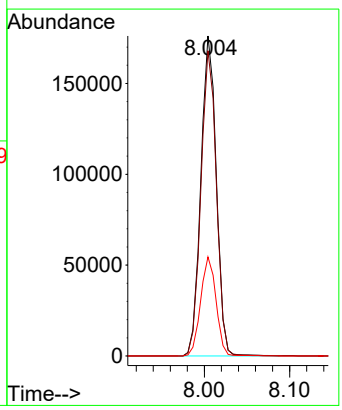


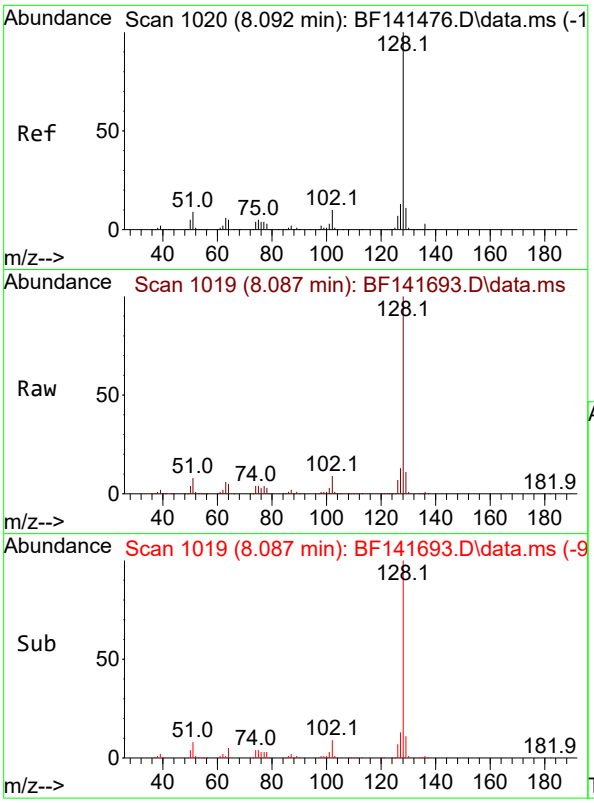


#30
1,2,4-Trichlorobenzene
Concen: 41.566 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:180 Resp: 221676

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	31.0	24.2	36.4



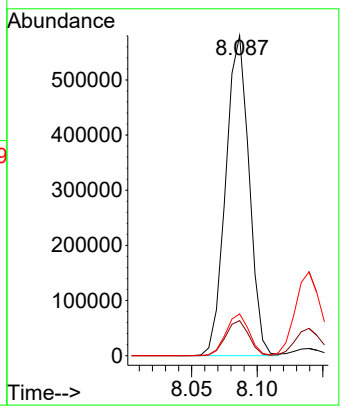


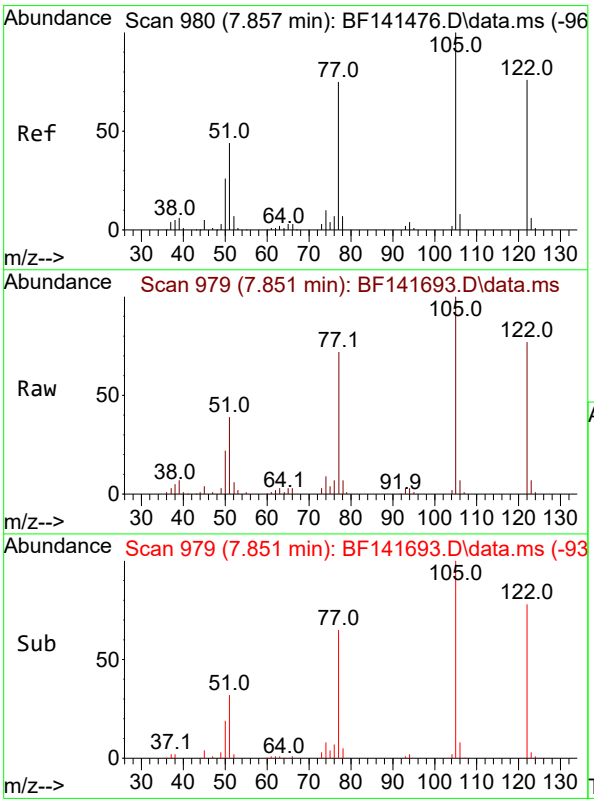
#31
Naphthalene
Concen: 41.404 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 718945

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.1	10.7	16.1

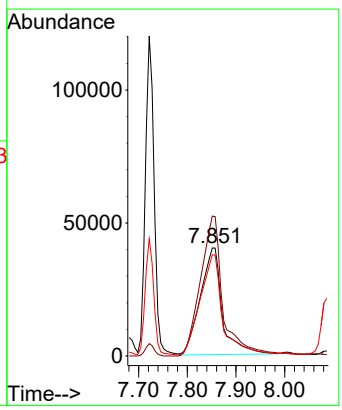


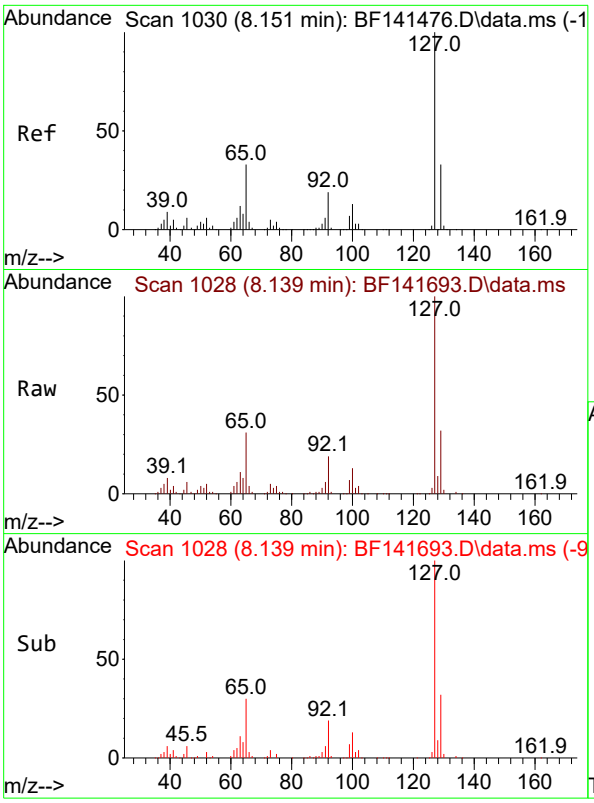


#32
Benzoic acid
Concen: 33.475 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:122 Resp: 126034

Ion	Ratio	Lower	Upper
122	100		
105	129.4	106.5	146.5
77	93.7	76.3	116.3



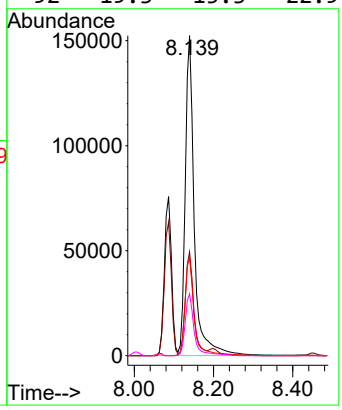


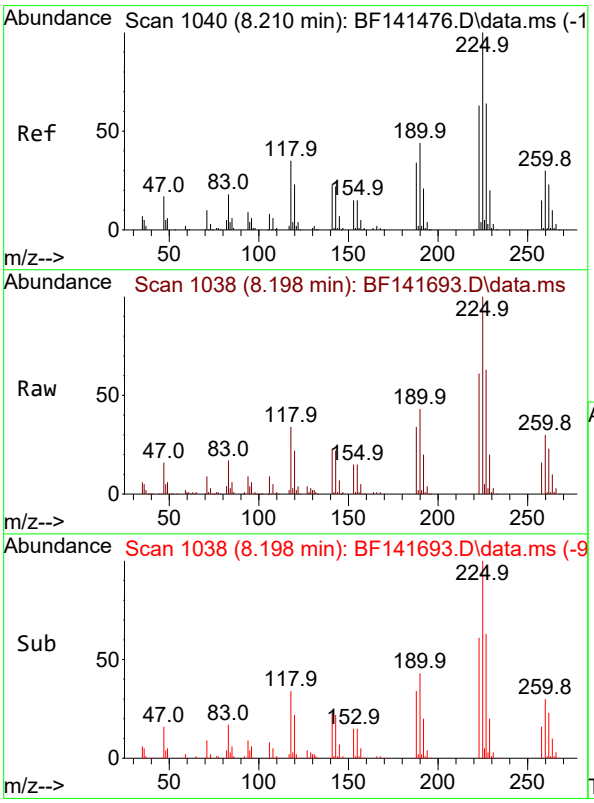
#33
4-Chloroaniline
Concen: 39.725 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 240828

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.5	39.7
65	30.7	26.4	39.6
92	19.3	15.3	22.9

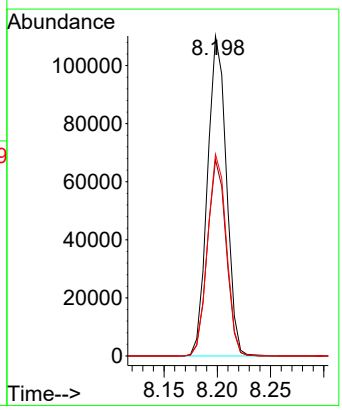


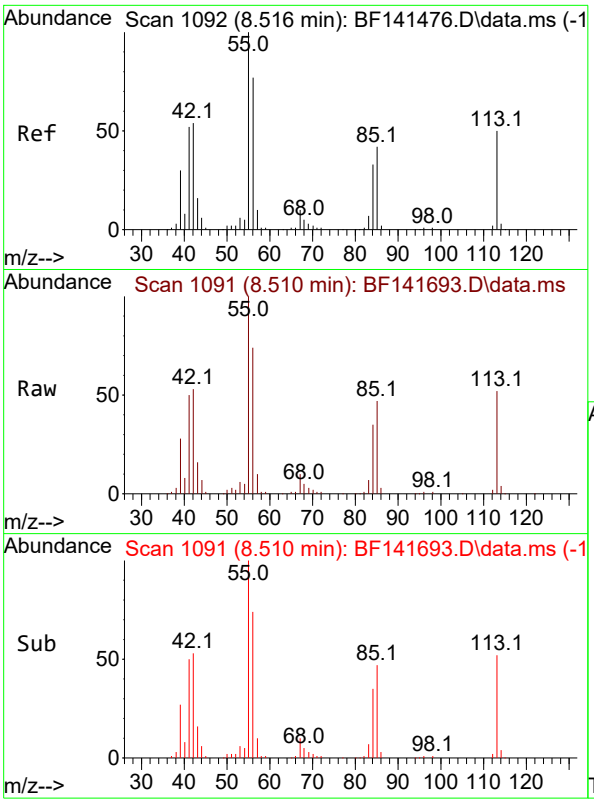


#34
Hexachlorobutadiene
Concen: 42.366 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:225 Resp: 135641

Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.1	75.1
227	63.0	51.0	76.6



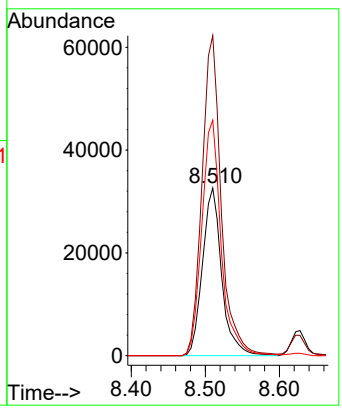


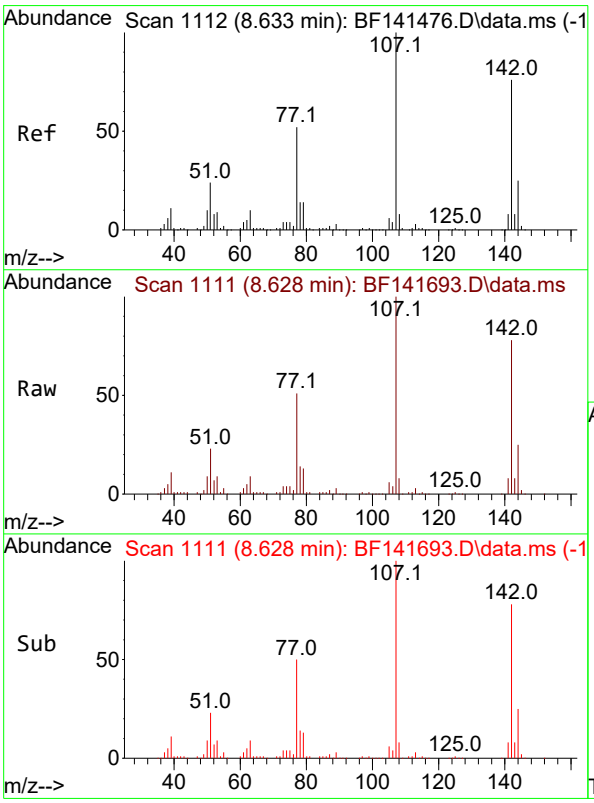
#35
Caprolactam
Concen: 39.370 ng
RT: 8.510 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 58706

Ion	Ratio	Lower	Upper
113	100		
55	190.8	180.8	220.8
56	140.5	133.6	173.6

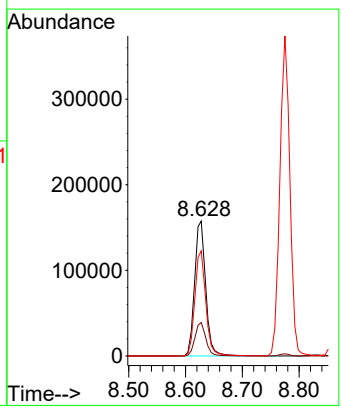


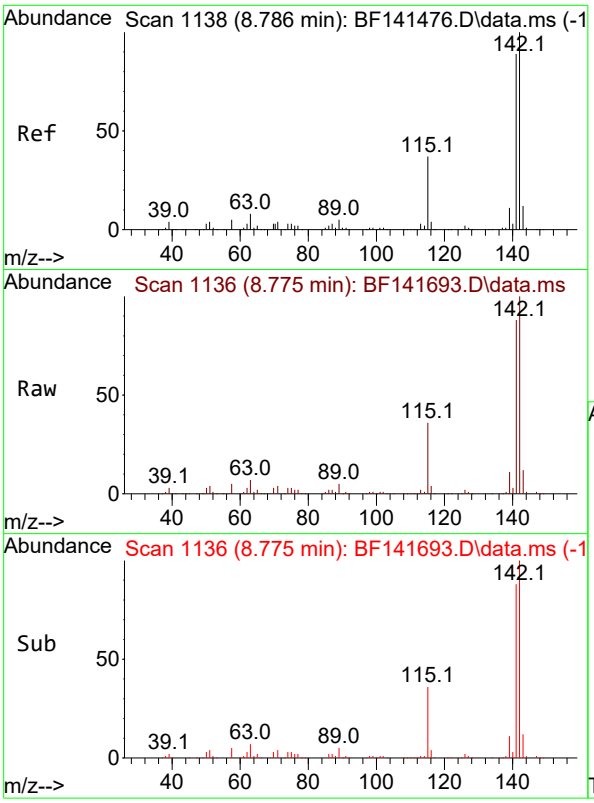


#36
4-Chloro-3-methylphenol
Concen: 39.669 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:107 Resp: 215204

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.7	29.5
142	77.9	60.8	91.2



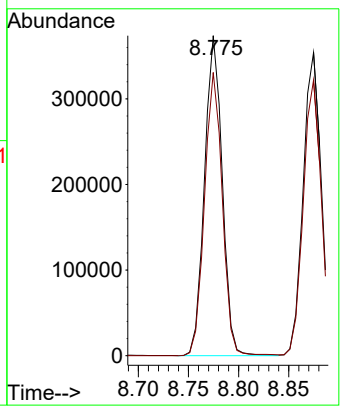


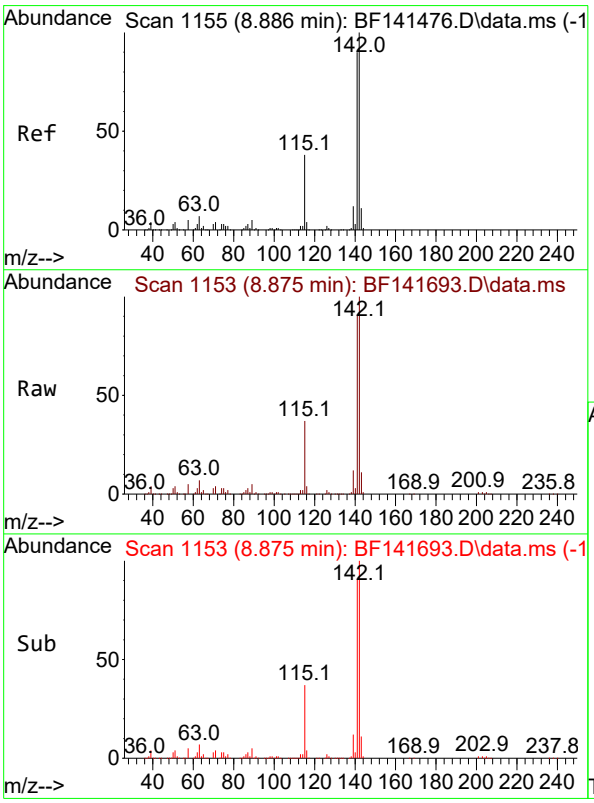
#37
2-Methylnaphthalene
Concen: 40.816 ng
RT: 8.775 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 461190

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8

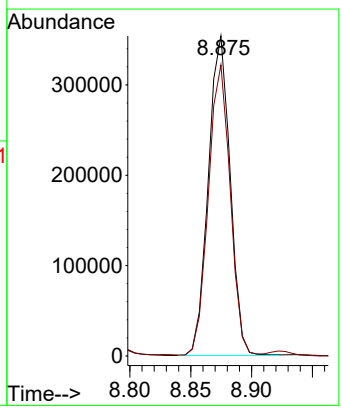


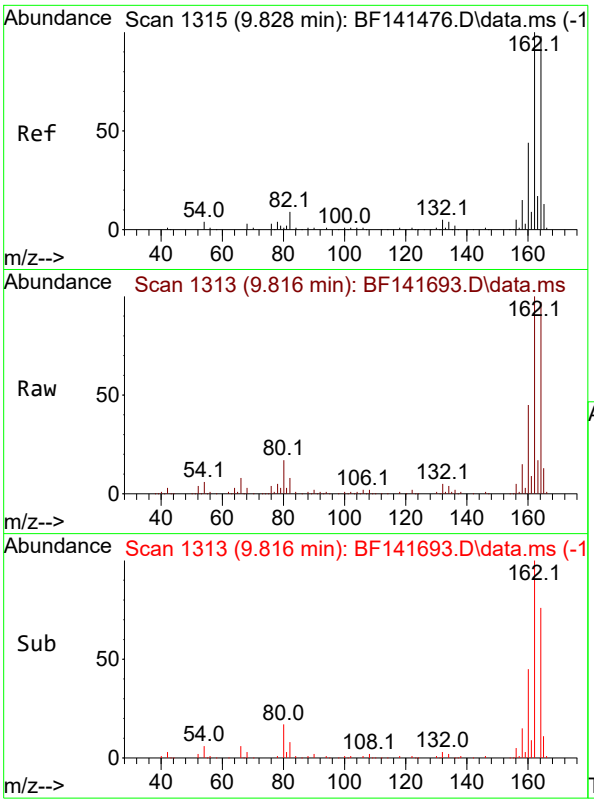


#38
1-Methylnaphthalene
Concen: 40.318 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:142 Resp: 441230

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.1	108.1



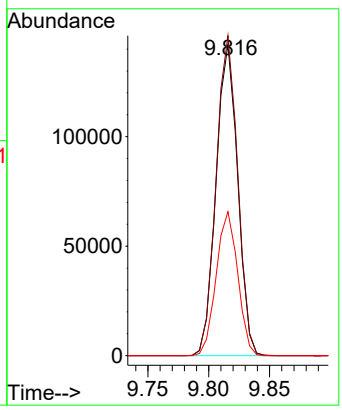


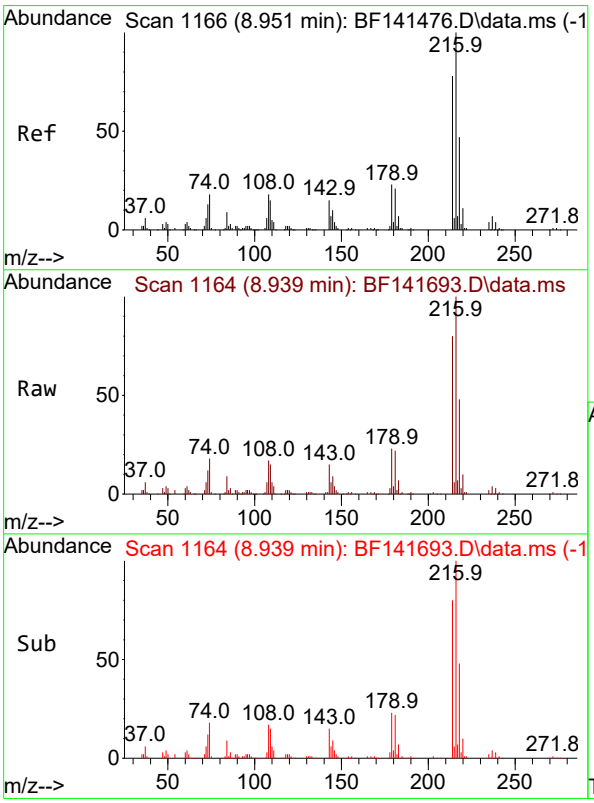
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 175620

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.3	121.9
160	46.3	35.9	53.9

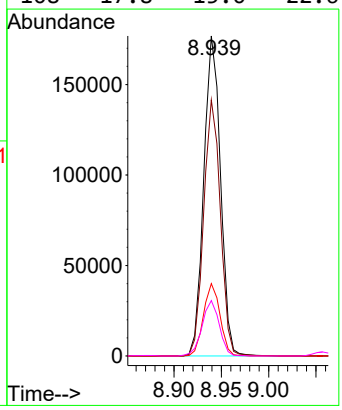


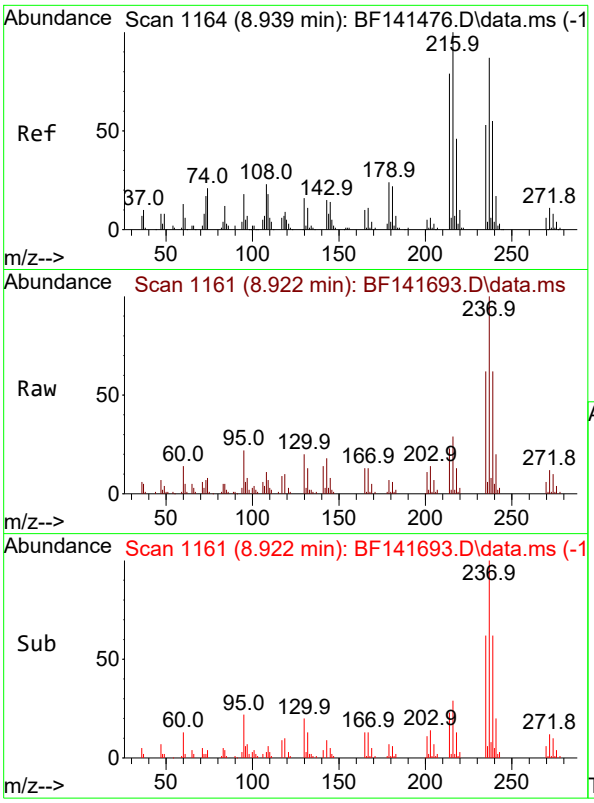


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.741 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:216 Resp: 217164

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.3	93.5
179	22.4	18.0	27.0
108	17.8	15.0	22.6



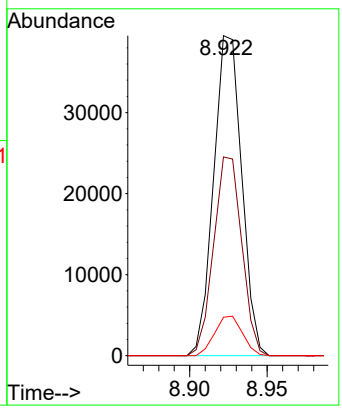


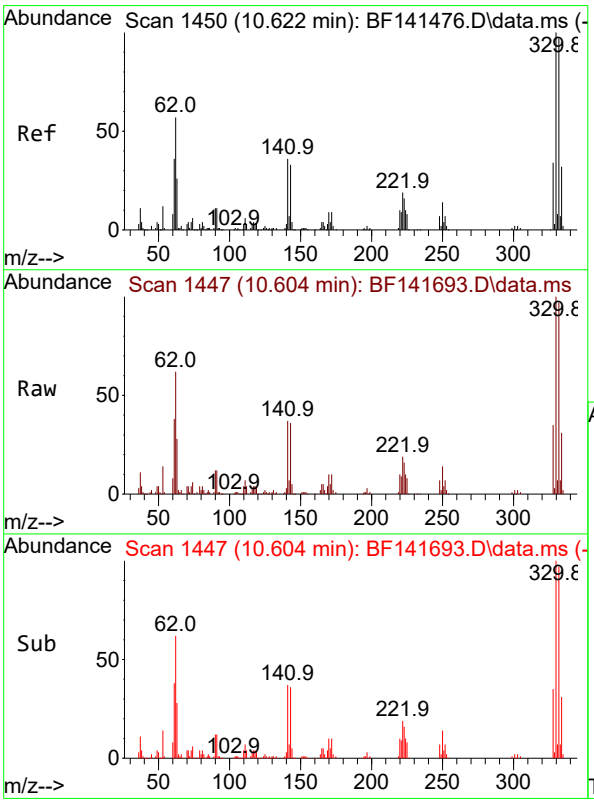
#41
Hexachlorocyclopentadiene
Concen: 29.483 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 49825

Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.4	81.4
272	12.0	0.0	32.4

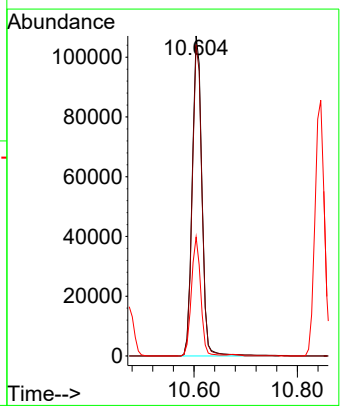


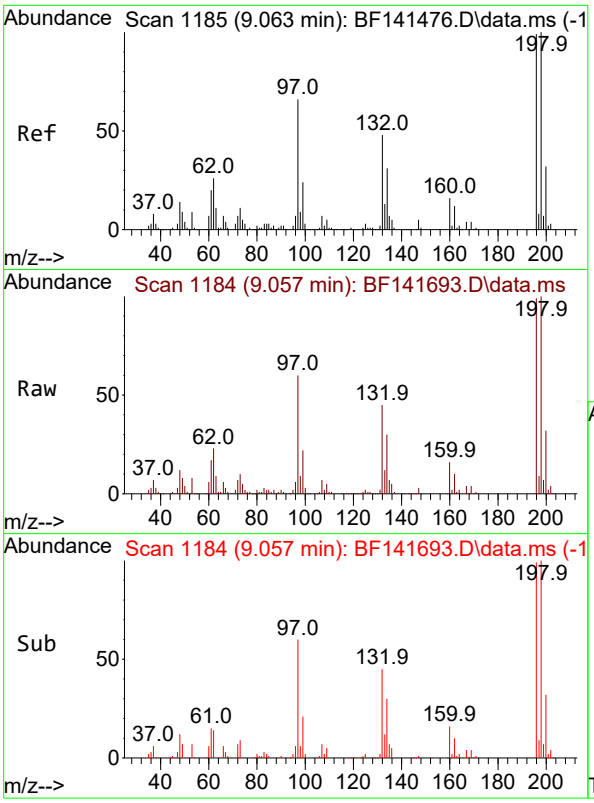


#42
2,4,6-Tribromophenol
Concen: 78.766 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:330 Resp: 138958

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.5	117.7
141	35.8	31.0	46.4



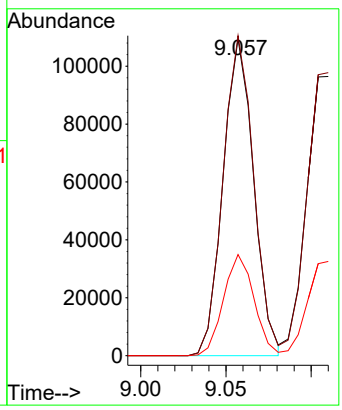


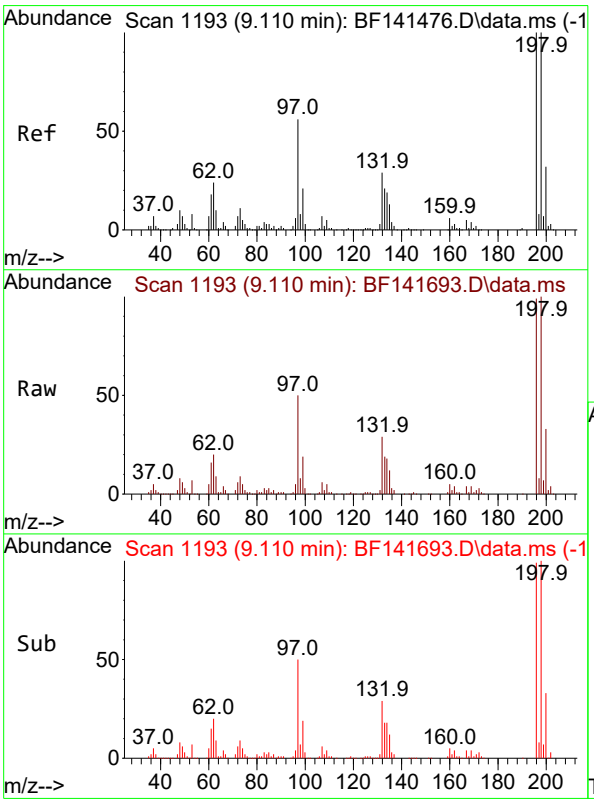
#43
2,4,6-Trichlorophenol
Concen: 41.676 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 136859

Ion	Ratio	Lower	Upper
196	100		
198	101.1	80.6	121.0
200	31.9	25.5	38.3

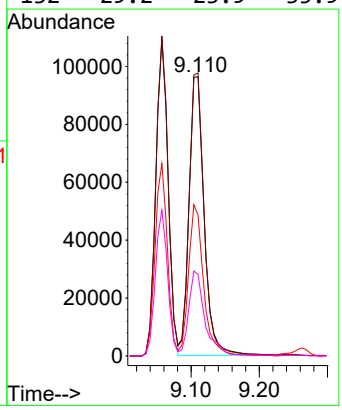


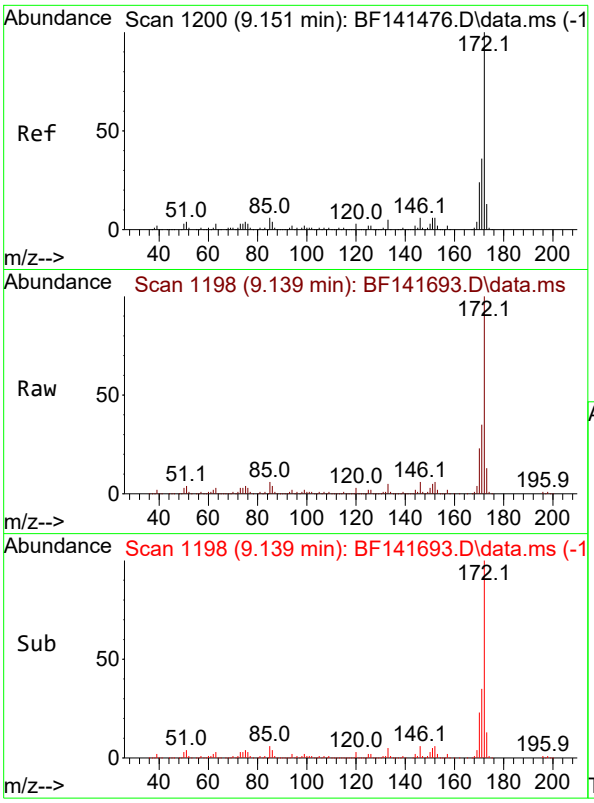


#44
2,4,5-Trichlorophenol
Concen: 41.546 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:196 Resp: 147858

Ion	Ratio	Lower	Upper
196	100		
198	101.4	79.8	119.8
97	50.5	44.8	67.2
132	29.2	23.9	35.9



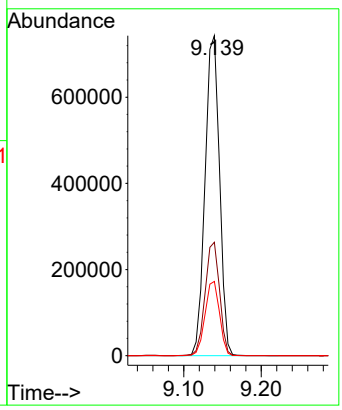


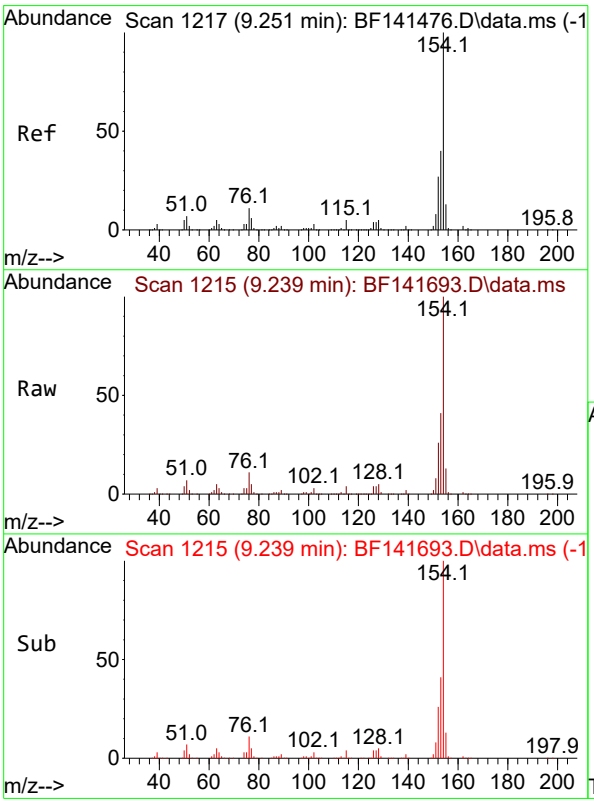
#45
2-Fluorobiphenyl
Concen: 84.575 ng
RT: 9.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 964086

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.7	43.1
170	23.2	18.9	28.3

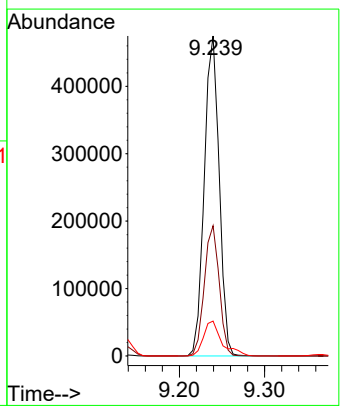


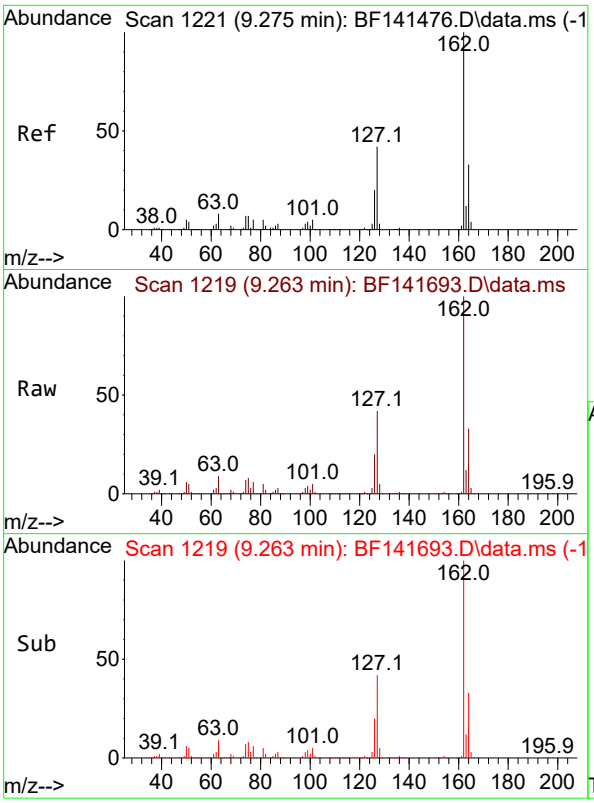


#46
1,1'-Biphenyl
Concen: 42.323 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:154 Resp: 576246

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	10.9	0.0	30.8



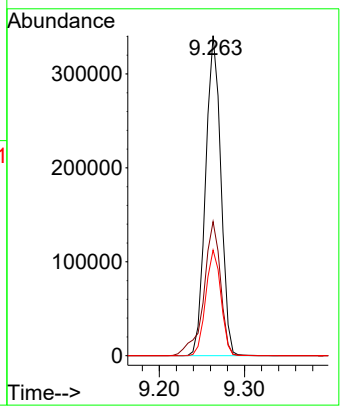


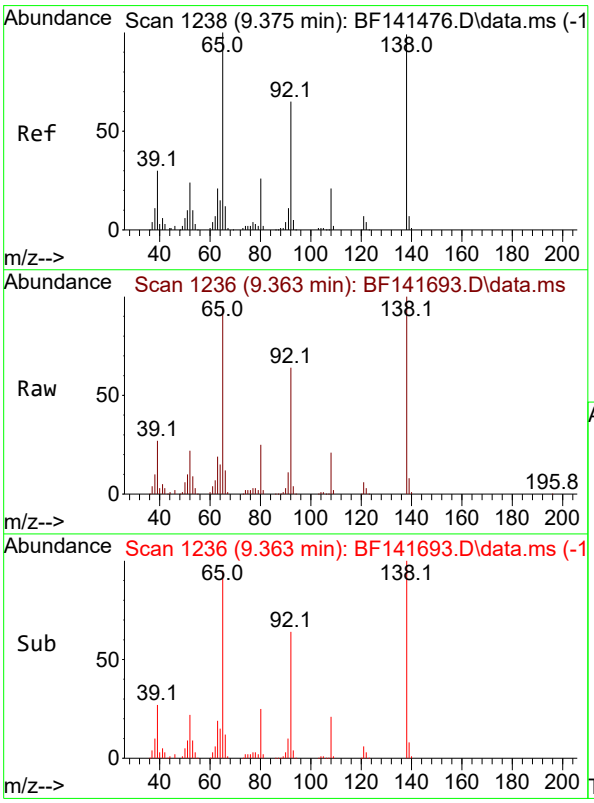
#47
2-Chloronaphthalene
Concen: 42.031 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 423178

Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.1	51.1
164	33.0	26.3	39.5

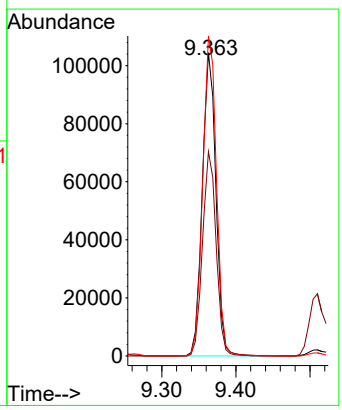


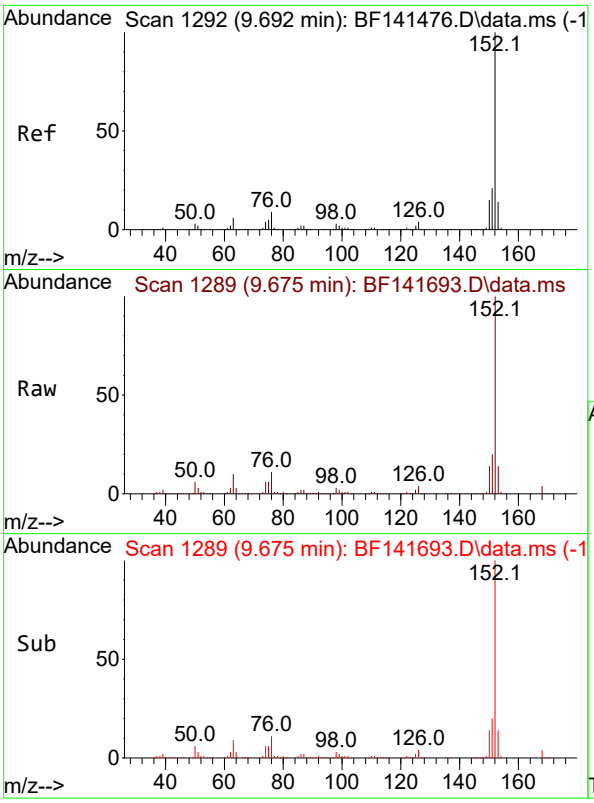


#48
2-Nitroaniline
Concen: 39.545 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion: 65 Resp: 133620

Ion	Ratio	Lower	Upper
65	100		
92	67.4	52.2	78.2
138	105.5	79.5	119.3



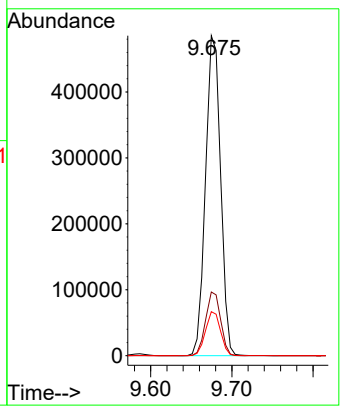


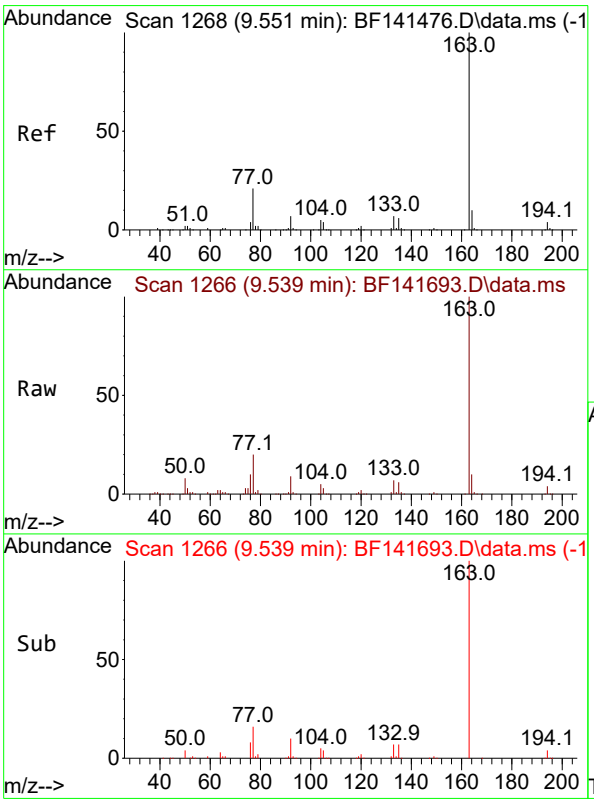
#49
Acenaphthylene
Concen: 41.687 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 624279

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.4	24.6
153	13.7	10.9	16.3

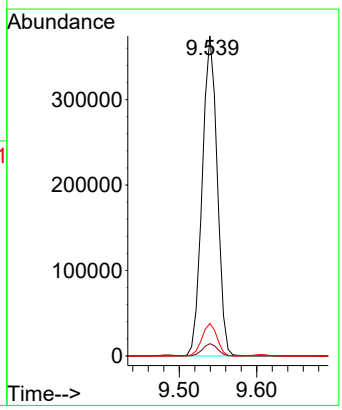


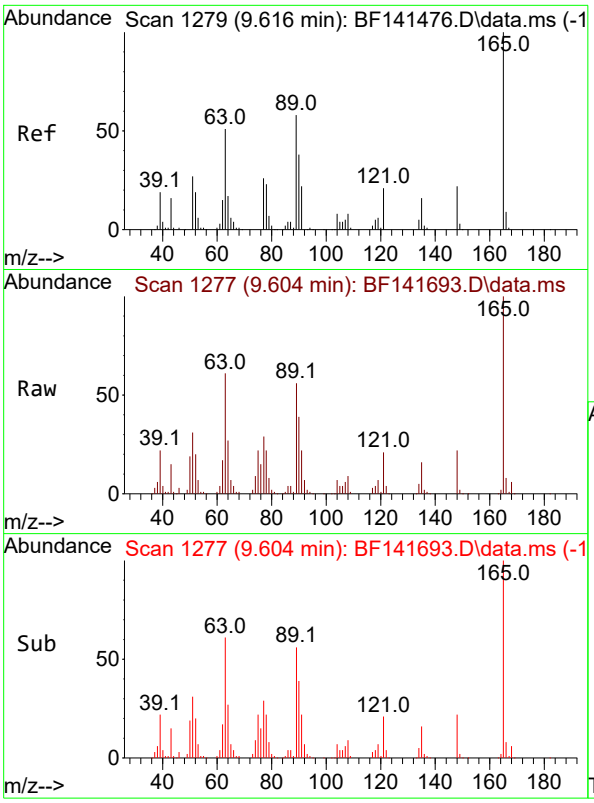


#50
Dimethylphthalate
Concen: 42.096 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:163 Resp: 501886

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	7.9	11.9



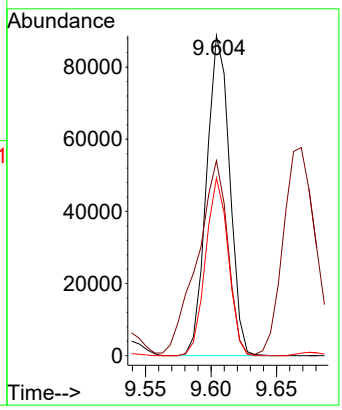


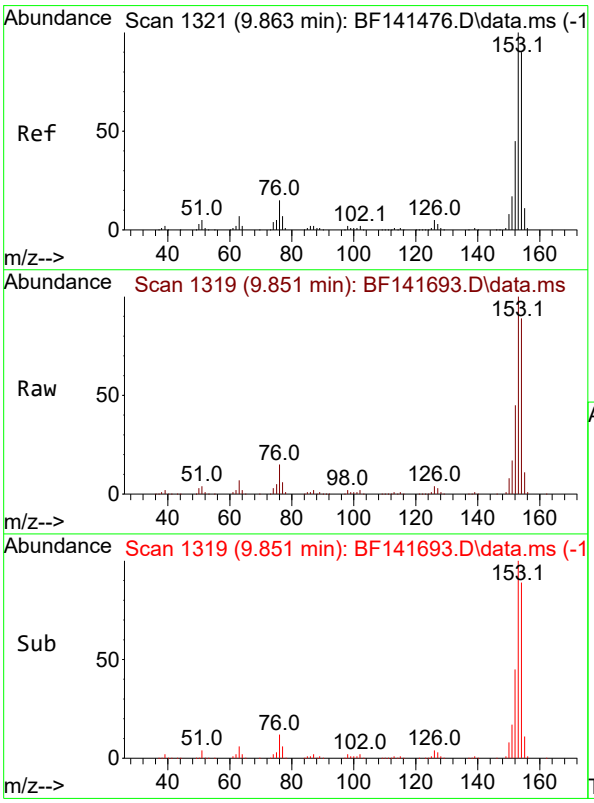
#51
2,6-Dinitrotoluene
Concen: 41.673 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 108613

Ion	Ratio	Lower	Upper
165	100		
63	60.9	49.4	74.0
89	55.5	46.5	69.7

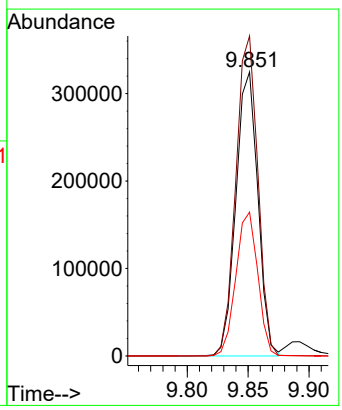


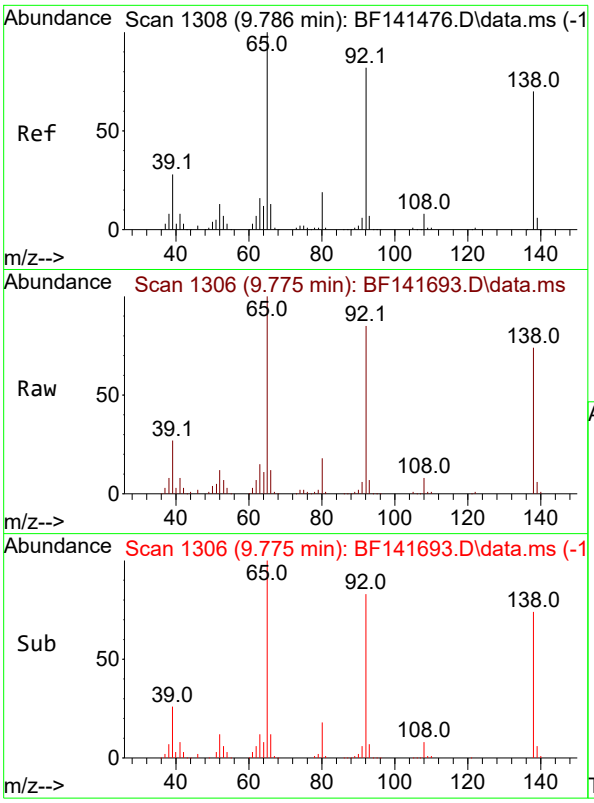


#52
Acenaphthene
Concen: 40.498 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:154 Resp: 407725

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.2	133.8
152	50.6	39.8	59.8



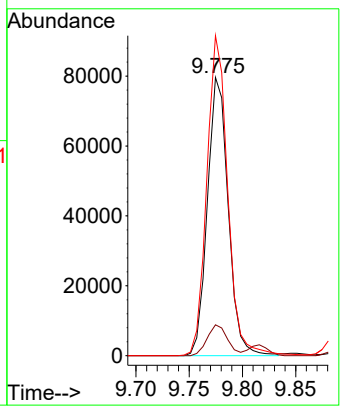


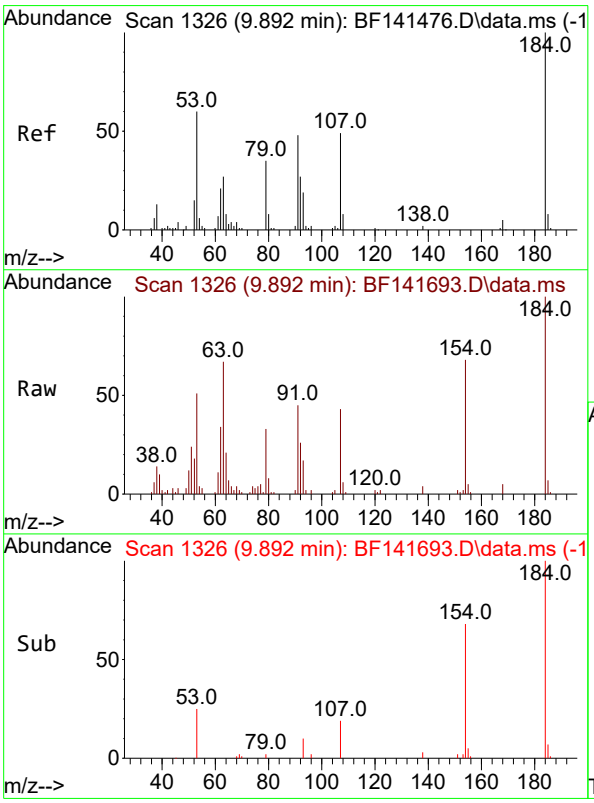
#53
3-Nitroaniline
Concen: 38.593 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 108260

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	115.0	93.7	140.5

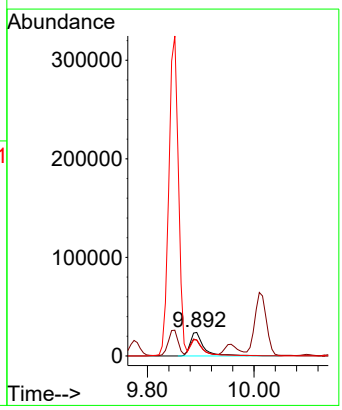


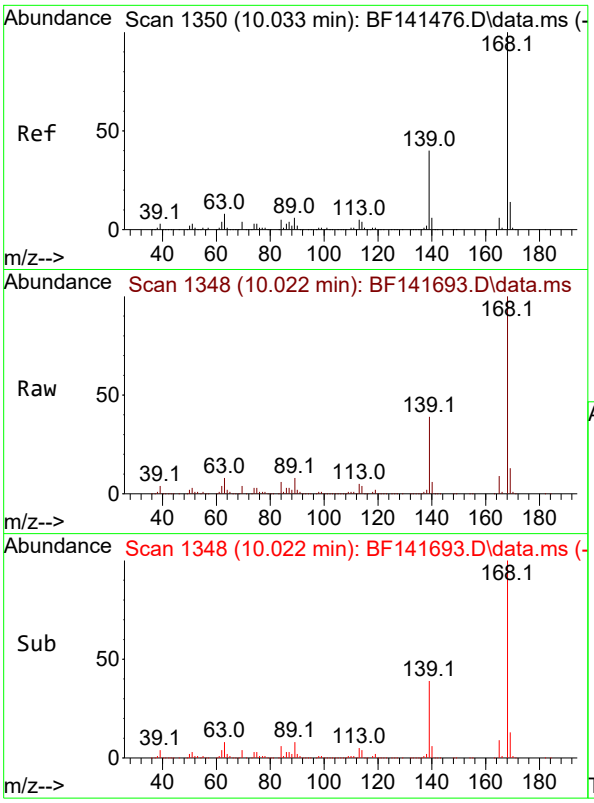


#54
2,4-Dinitrophenol
Concen: 27.871 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:184 Resp: 43173

Ion	Ratio	Lower	Upper
184	100		
63	67.3	61.0	91.6
154	68.4	59.9	89.9



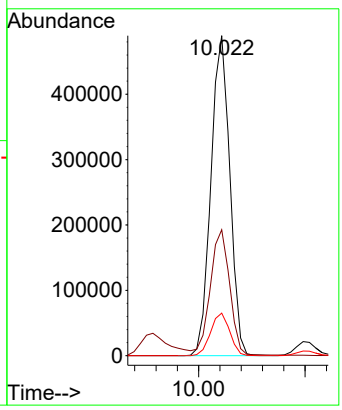


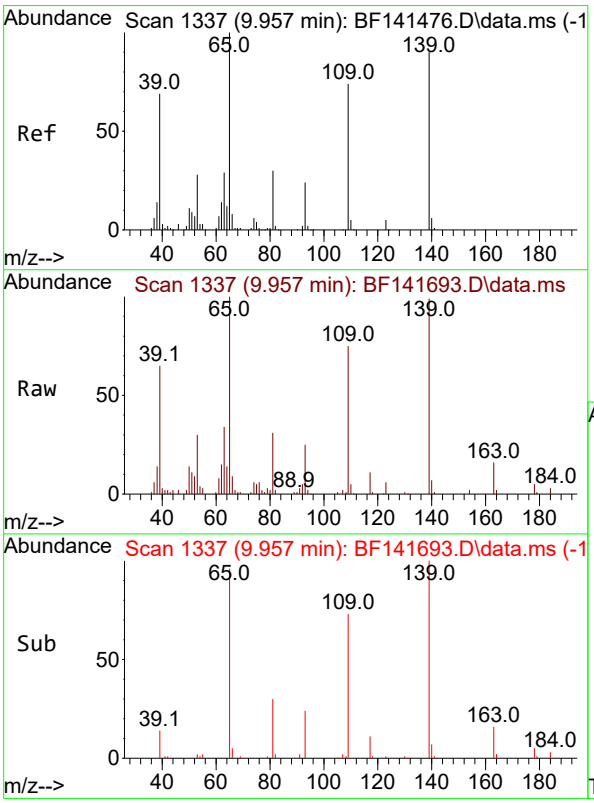
#55
Dibenzofuran
Concen: 40.838 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 603488

Ion	Ratio	Lower	Upper
168	100		
139	39.3	32.7	49.1
169	13.3	10.8	16.2

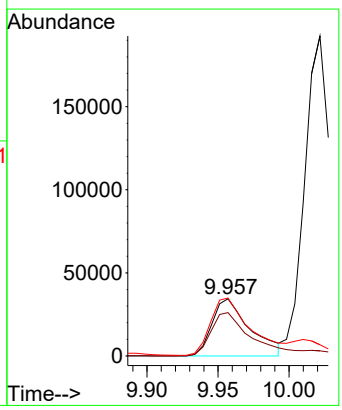


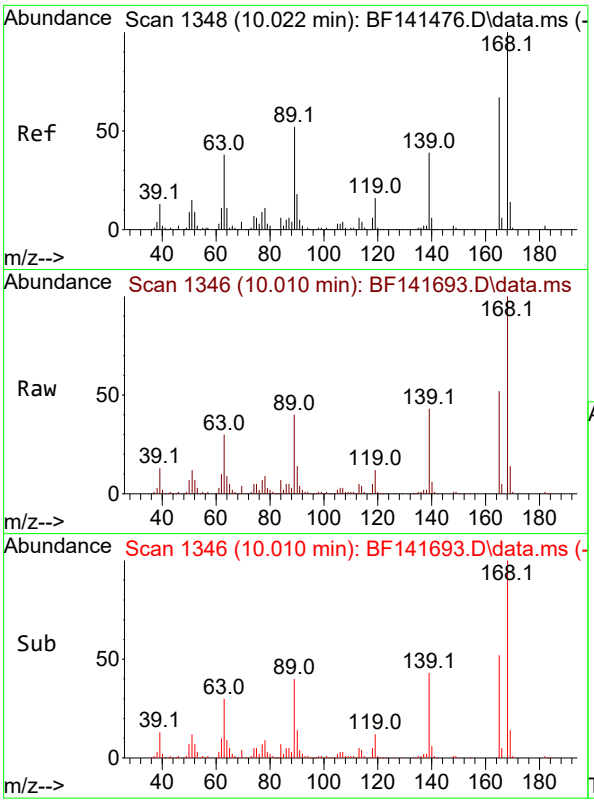


#56
4-Nitrophenol
Concen: 30.582 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:139 Resp: 63683

Ion	Ratio	Lower	Upper
139	100		
109	76.0	62.0	102.0
65	101.4	91.2	131.2



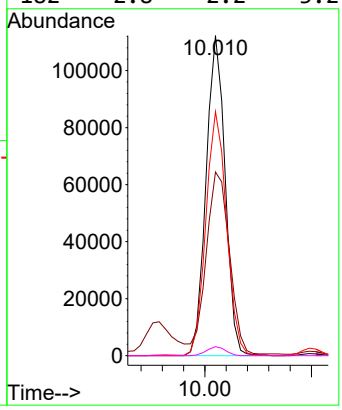


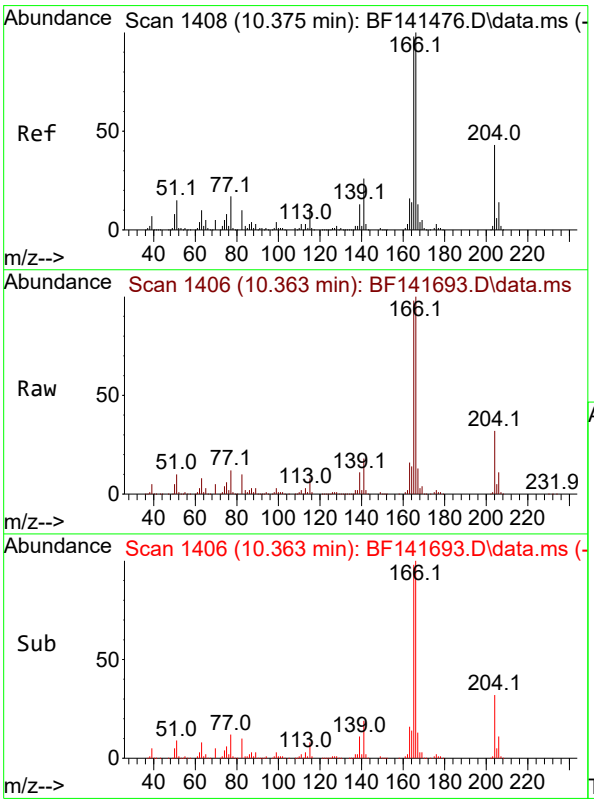
#57
2,4-Dinitrotoluene
Concen: 40.286 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 139778

Ion	Ratio	Lower	Upper
165	100		
63	57.4	46.4	69.6
89	76.3	61.8	92.6
182	2.8	2.2	3.2

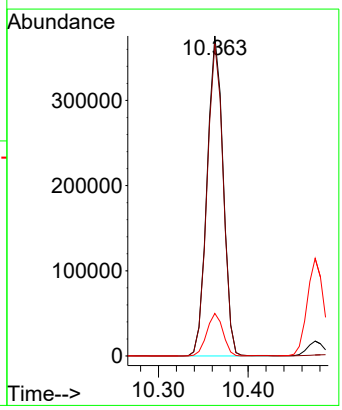


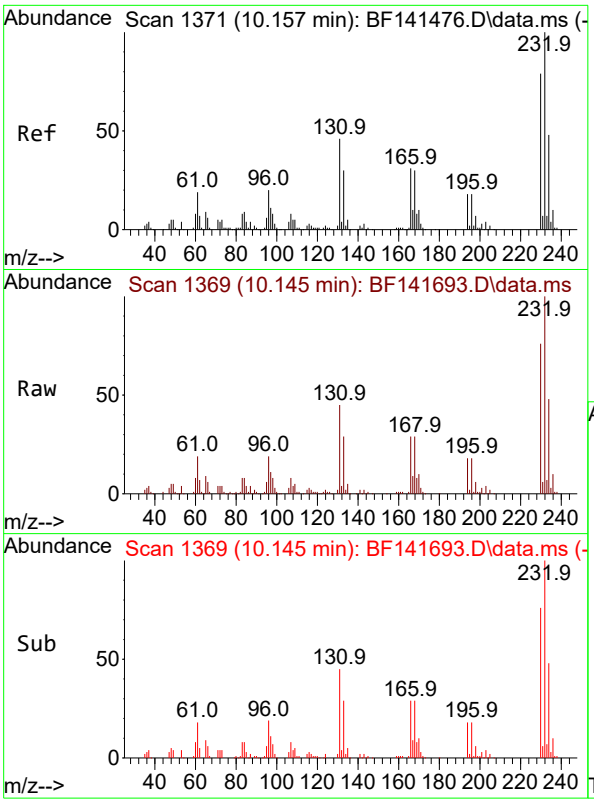


#58
Fluorene
Concen: 40.892 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:166 Resp: 467231

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.2
167	13.3	10.7	16.1



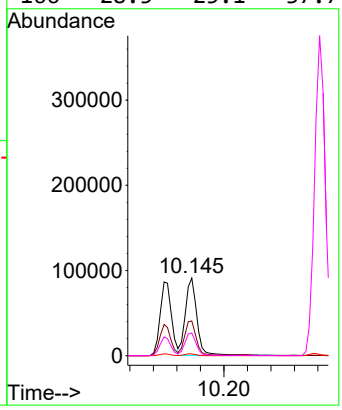


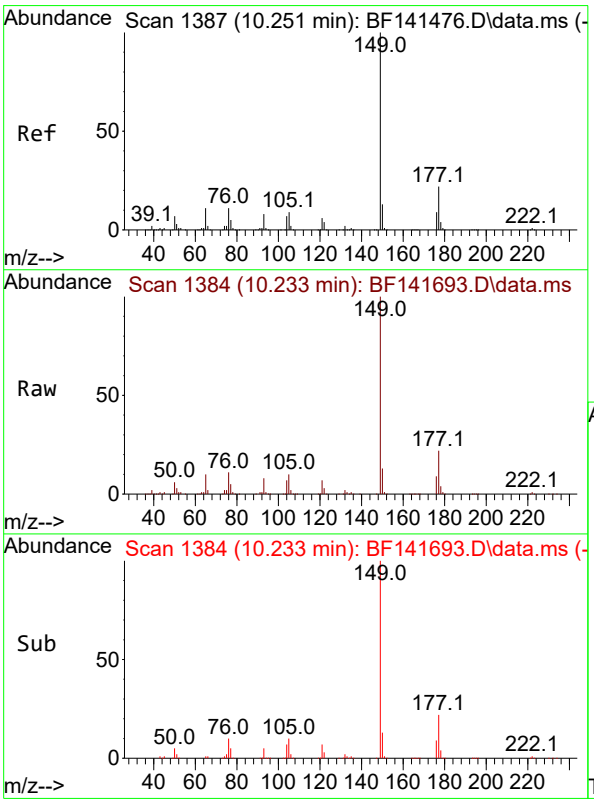
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.567 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 124299

Ion	Ratio	Lower	Upper
232	100		
131	45.3	39.2	58.8
130	2.3	2.1	3.1
166	28.5	25.1	37.7

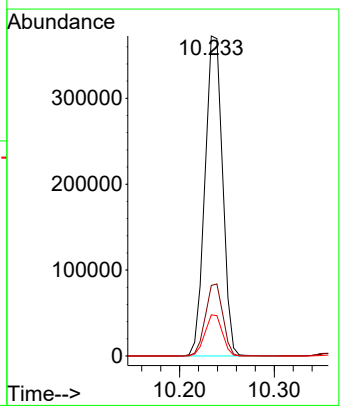


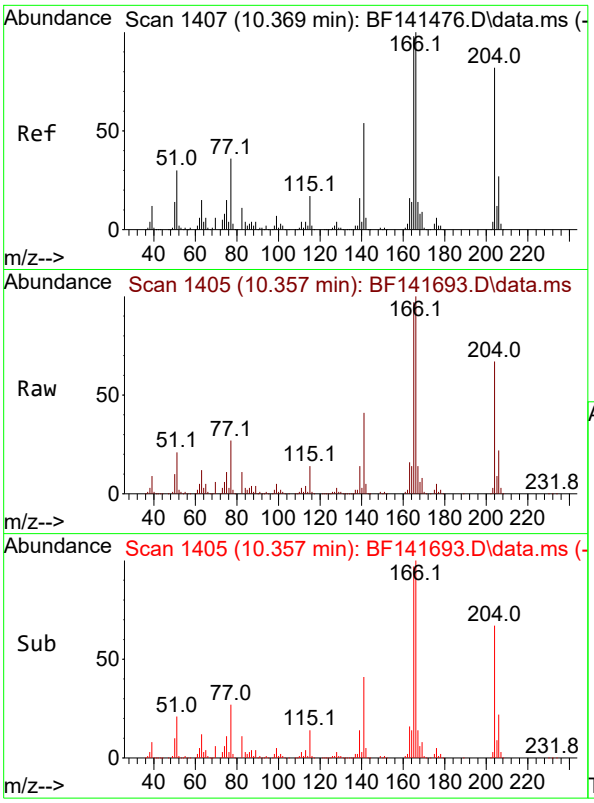


#60
Diethylphthalate
Concen: 41.053 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 481565

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.8	26.6
150	12.8	10.1	15.1



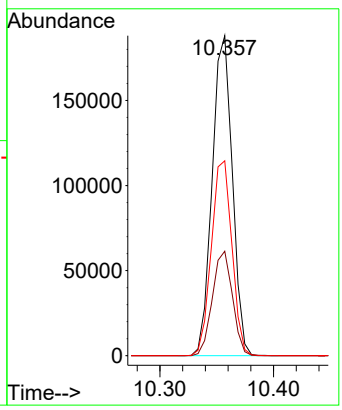


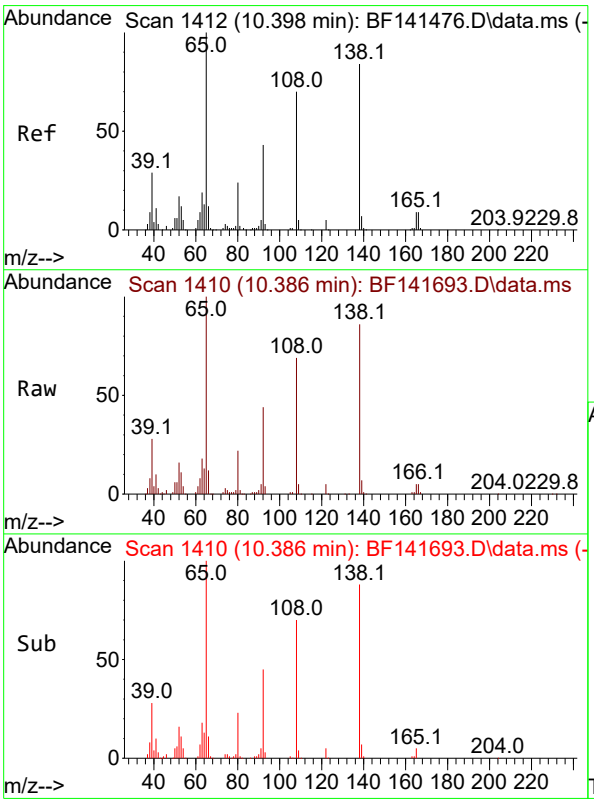
#61
4-Chlorophenyl-phenylether
Concen: 42.206 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 232006

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	40.0
141	60.9	51.9	77.9

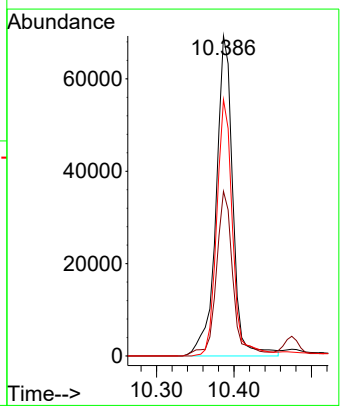


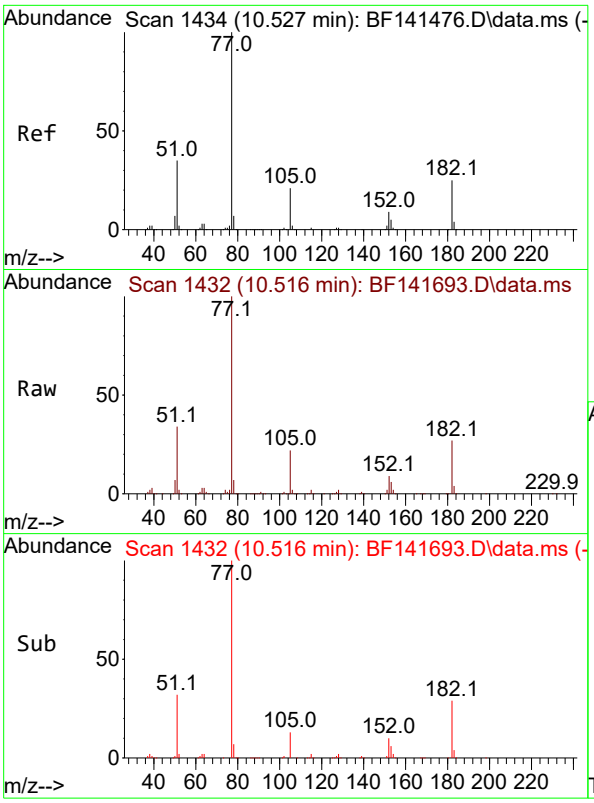


#62
4-Nitroaniline
Concen: 36.557 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:138 Resp: 104128

Ion	Ratio	Lower	Upper
138	100		
92	51.4	31.3	71.3
108	80.1	63.7	103.7



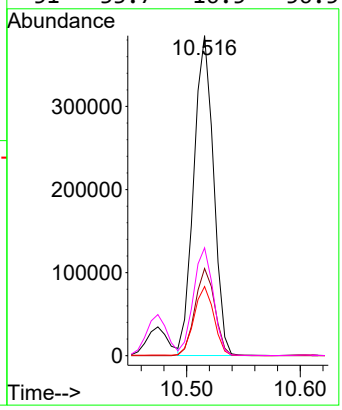


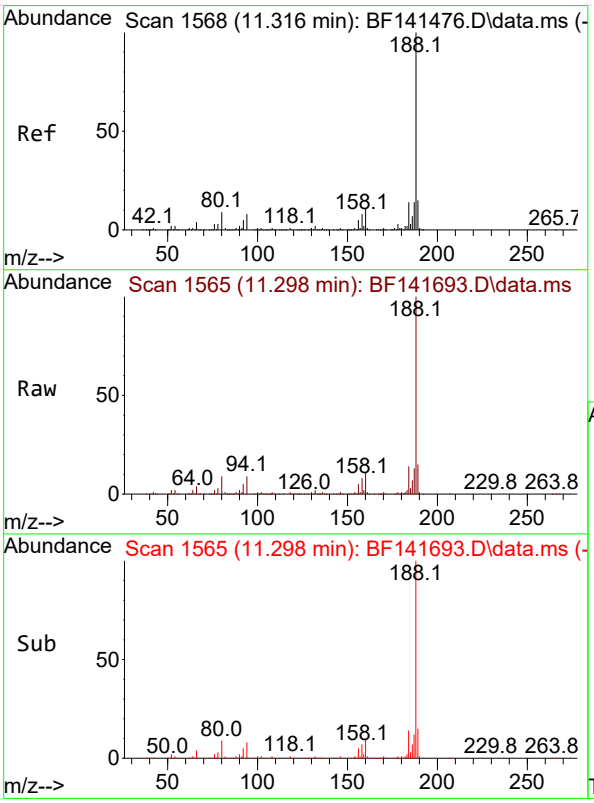
#63
Azobenzene
Concen: 39.911 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 465416

Ion	Ratio	Lower	Upper
77	100		
182	27.2	4.7	44.7
105	21.6	0.4	40.4
51	33.7	16.5	56.5

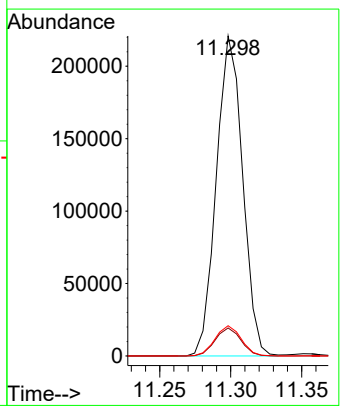


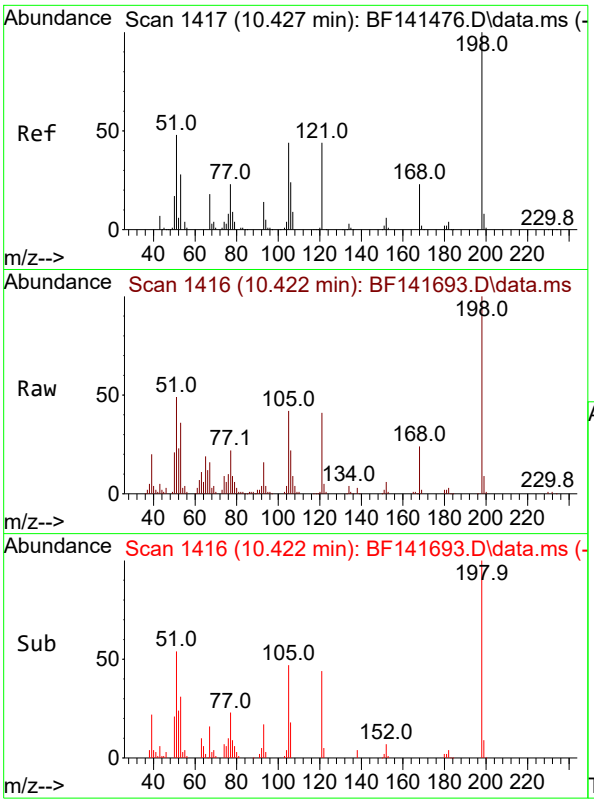


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:188 Resp: 284381

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.5	7.3	10.9



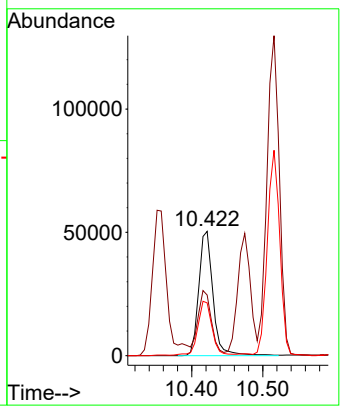


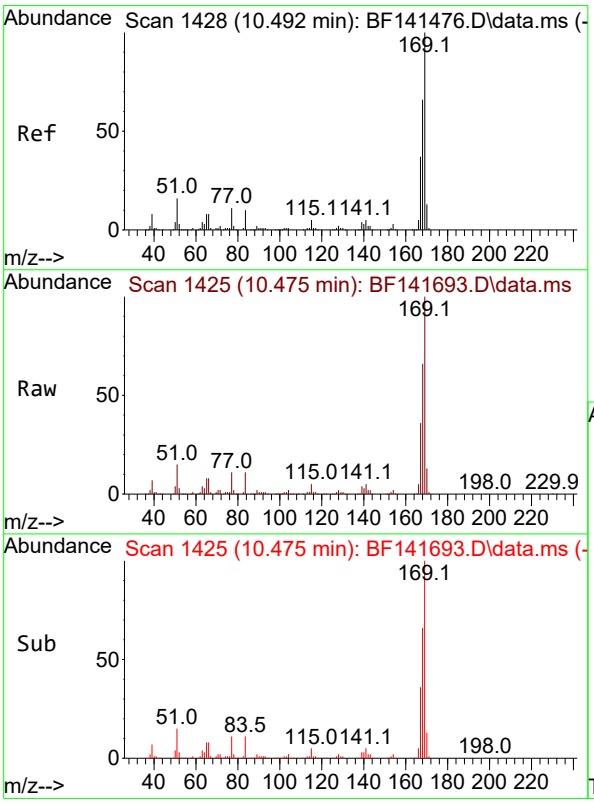
#65
4,6-Dinitro-2-methylphenol
Concen: 35.577 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 70281

Ion	Ratio	Lower	Upper
198	100		
51	48.8	37.4	77.4
105	42.4	25.2	65.2

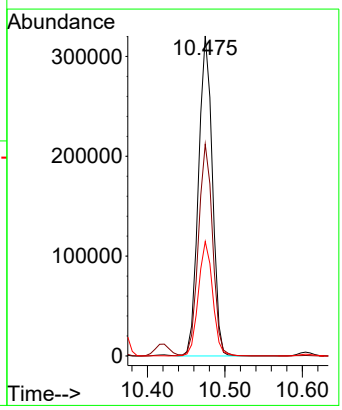


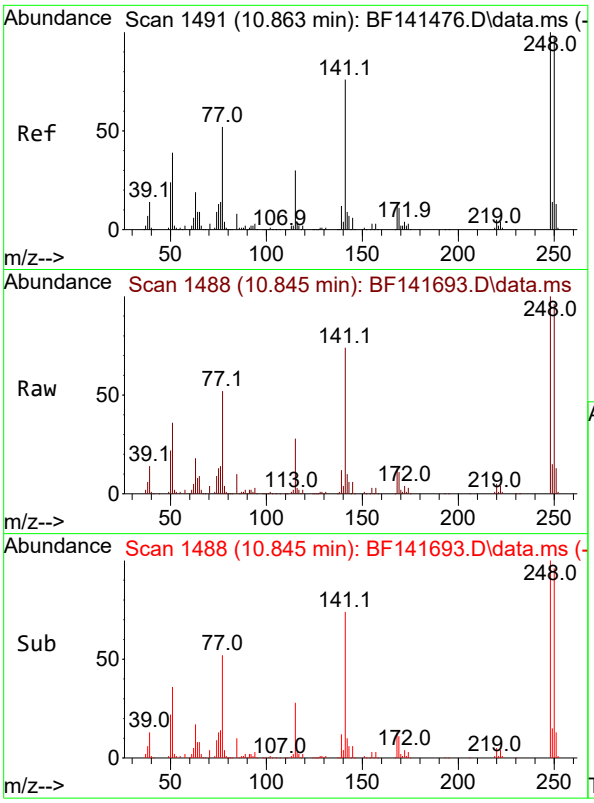


#66
n-Nitrosodiphenylamine
Concen: 43.812 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:169 Resp: 398837

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.3	79.9
167	35.8	29.4	44.2



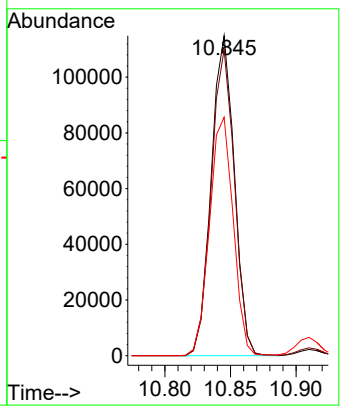


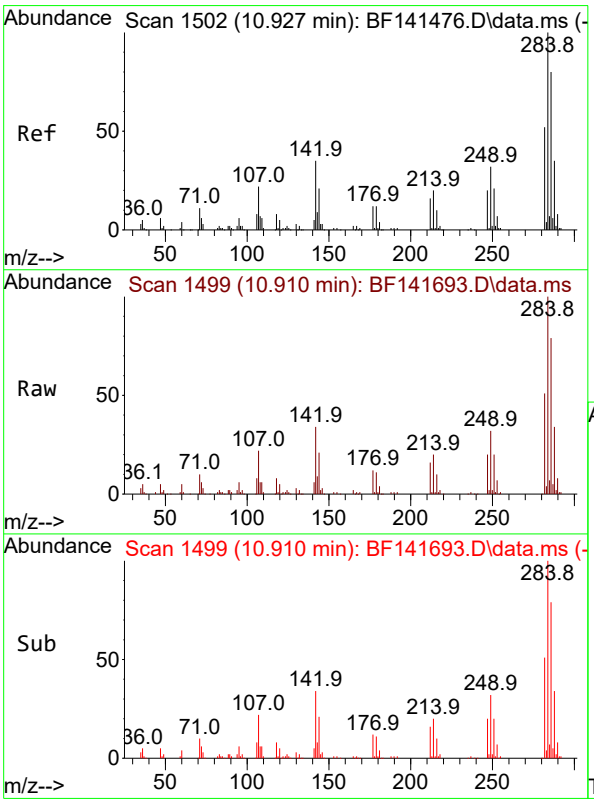
#67
4-Bromophenyl-phenylether
Concen: 44.410 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 141150

Ion	Ratio	Lower	Upper
248	100		
250	95.6	77.8	116.6
141	74.5	60.6	90.8

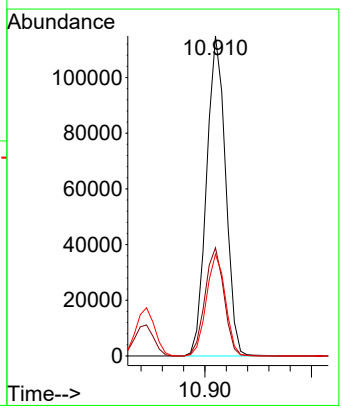


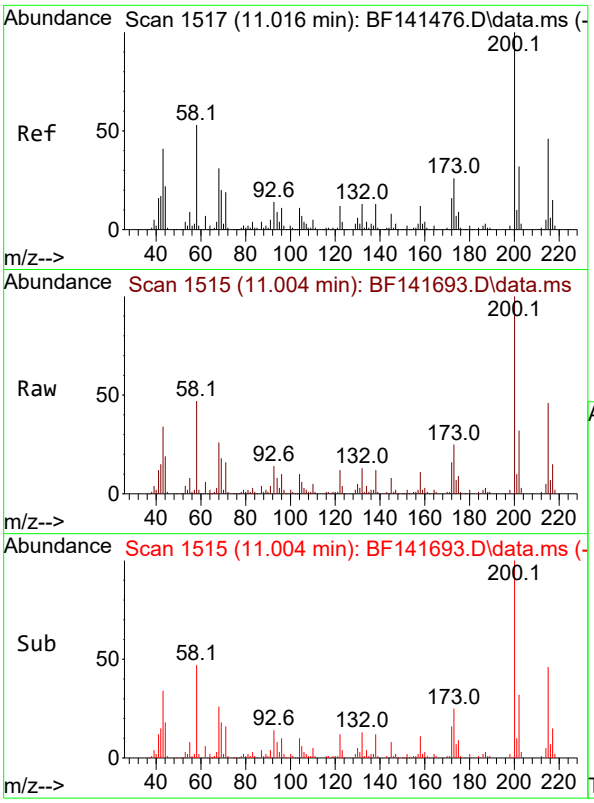


#68
Hexachlorobenzene
Concen: 43.534 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:284 Resp: 142480

Ion	Ratio	Lower	Upper
284	100		
142	33.8	28.0	42.0
249	31.8	25.8	38.8



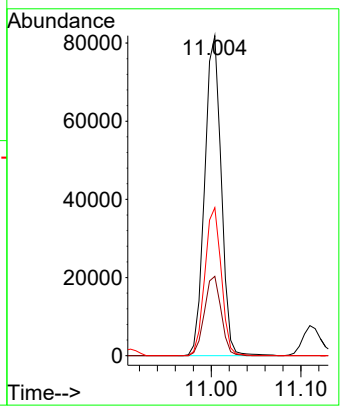


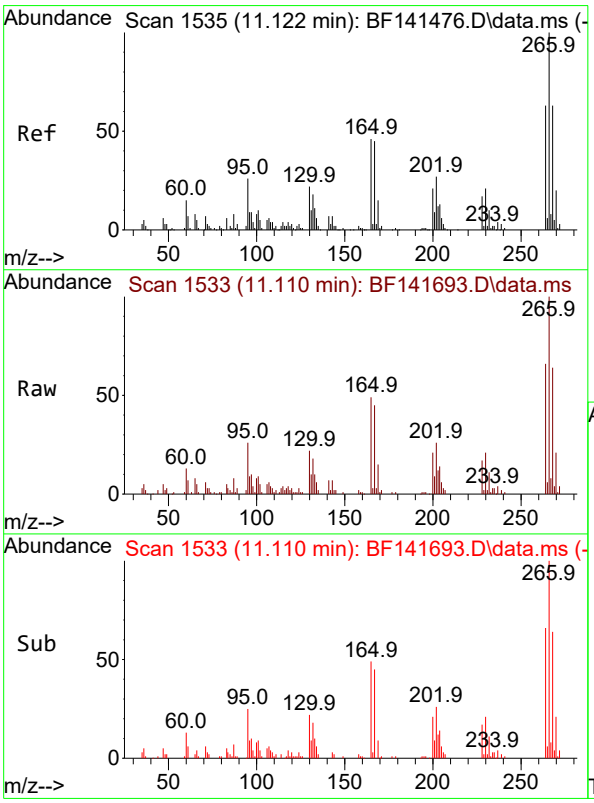
#69
Atrazine
Concen: 38.322 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 104658

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.9	45.9
215	46.2	25.9	65.9

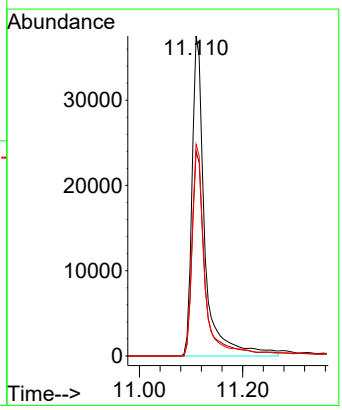


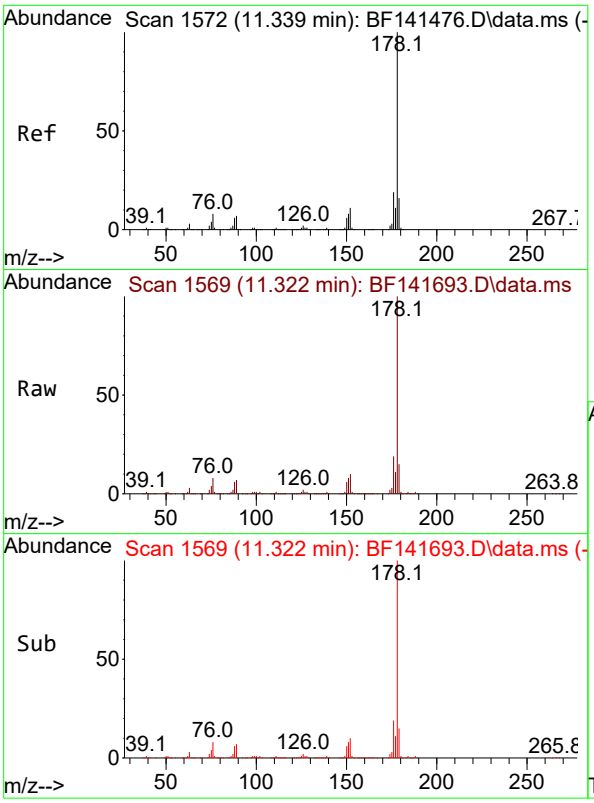


#70
Pentachlorophenol
Concen: 30.952 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:266 Resp: 64773

Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.1	75.1
264	66.1	50.1	75.1



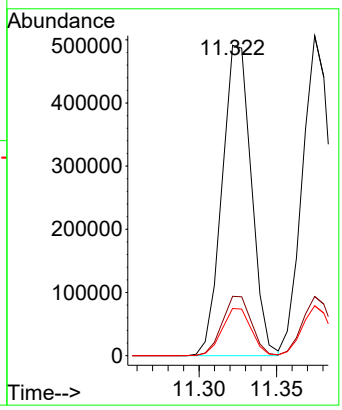


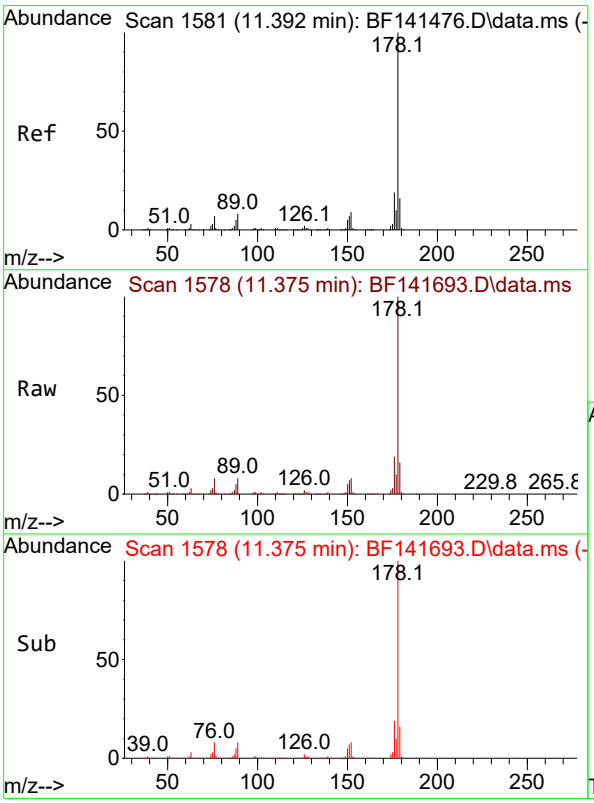
#71
Phenanthrene
Concen: 41.219 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 645237

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.4	18.6

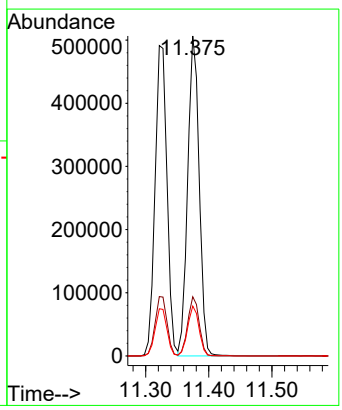


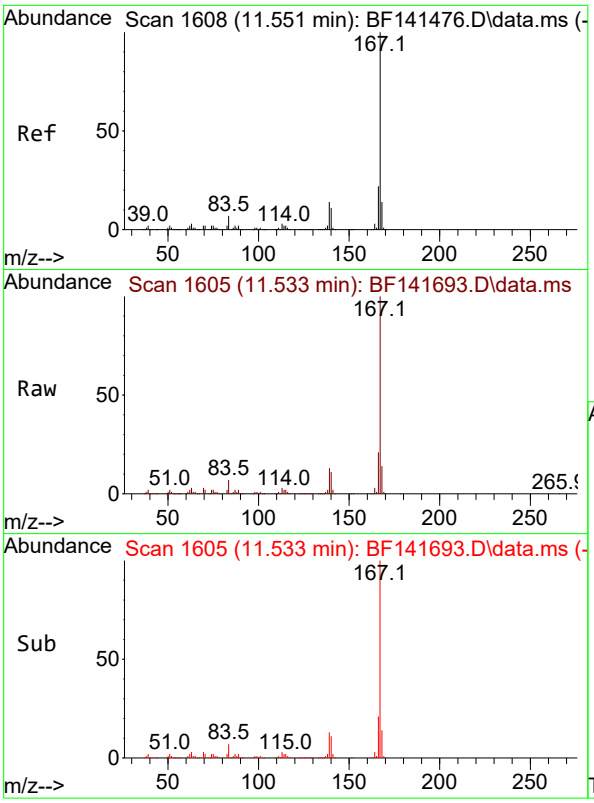


#72
Anthracene
Concen: 40.893 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:178 Resp: 643493

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.6	12.4	18.6



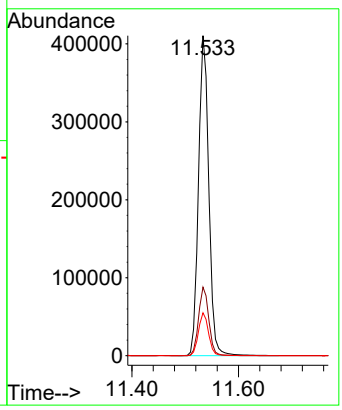


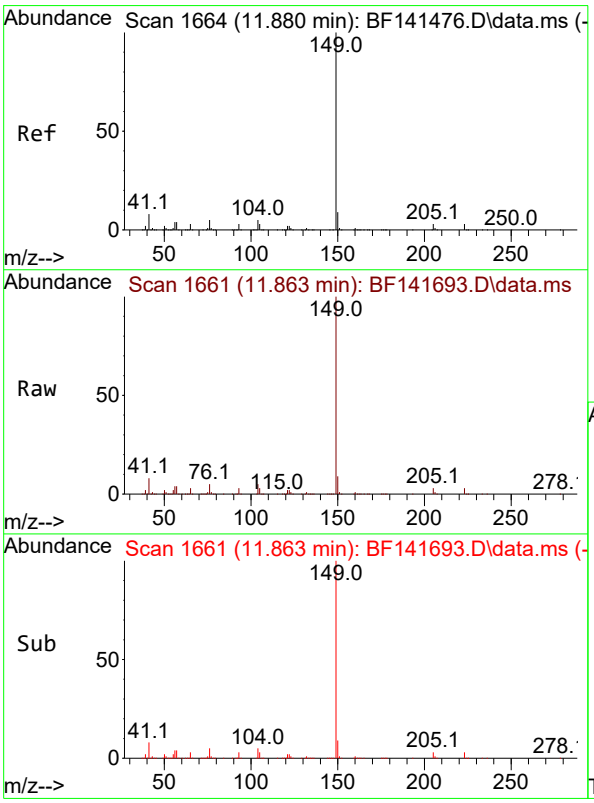
#73
Carbazole
Concen: 38.799 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 549351

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	13.4	10.9	16.3

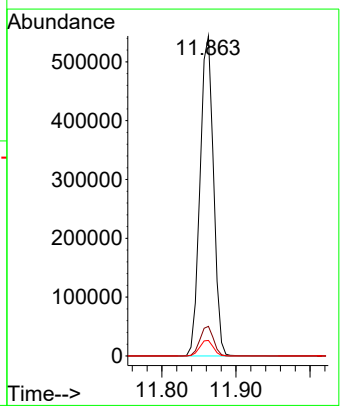


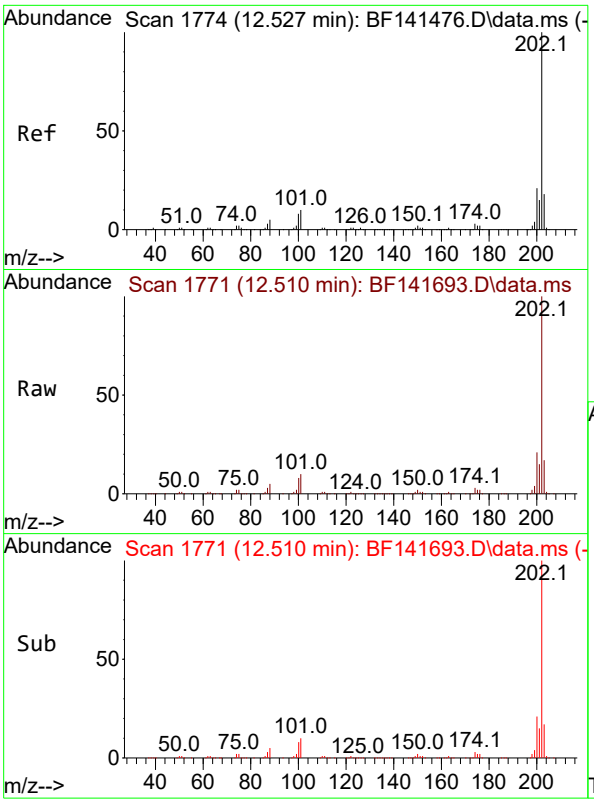


#74
Di-n-butylphthalate
Concen: 41.961 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 686027

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.9	4.2	6.2



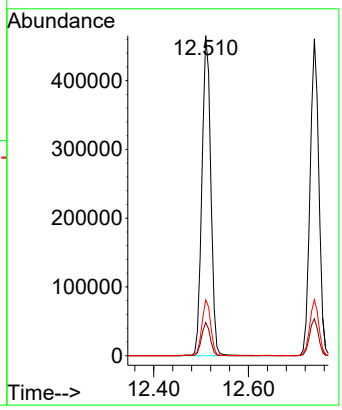


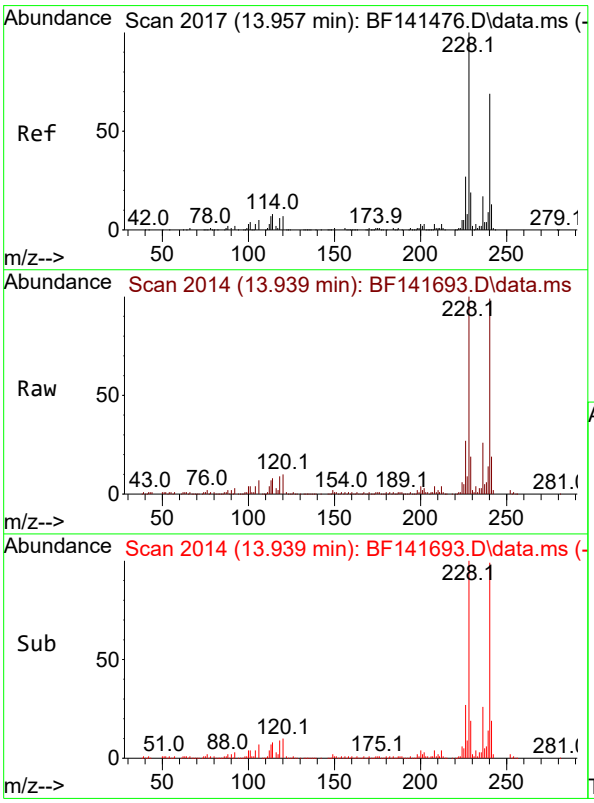
#75
Fluoranthene
Concen: 36.275 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 602029

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.4	0.0	37.6

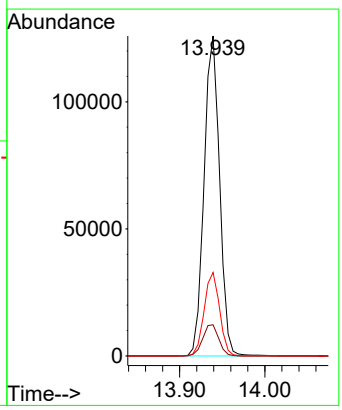


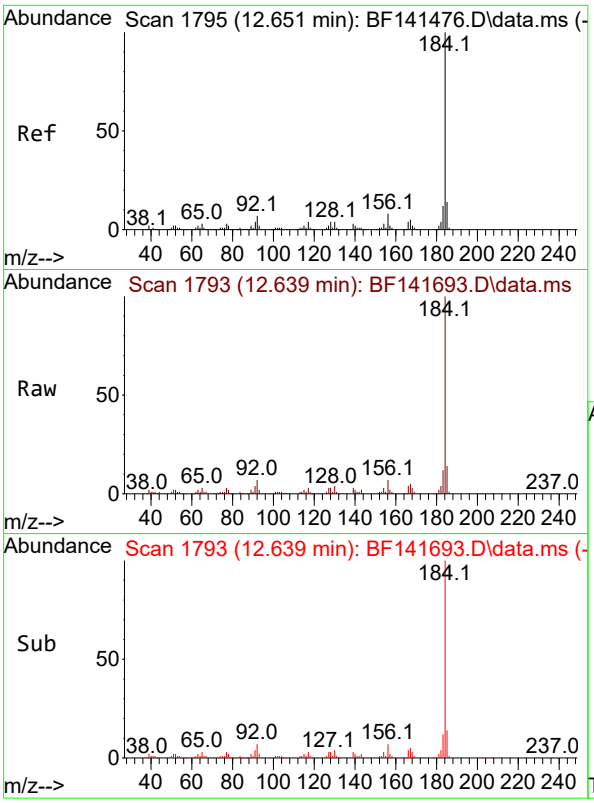


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:240 Resp: 159233

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.0	12.0
236	26.1	19.8	29.8



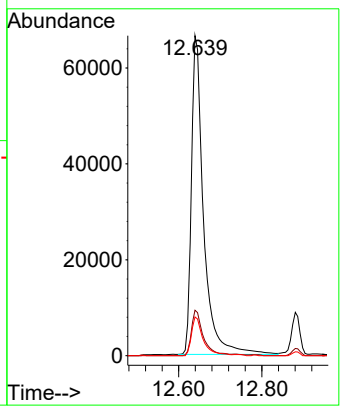


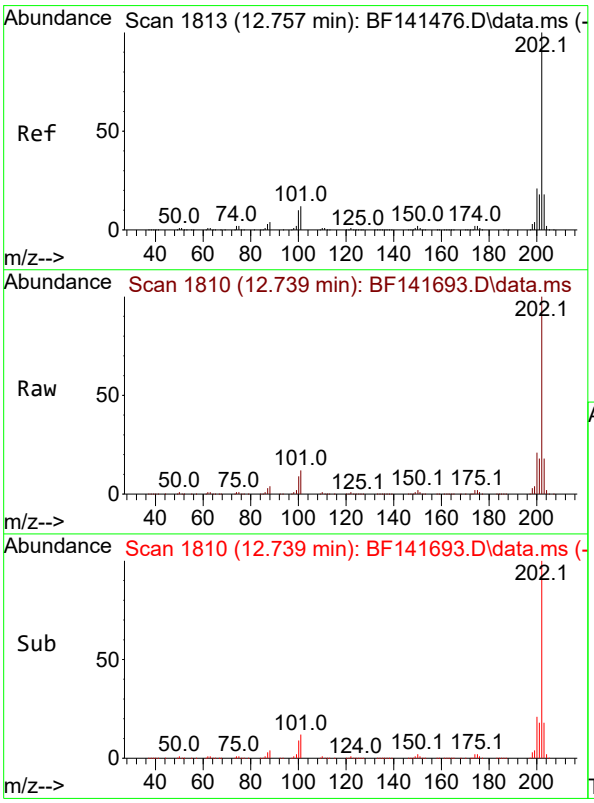
#77
Benzidine
Concen: 38.498 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 135198

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	12.1	9.3	13.9

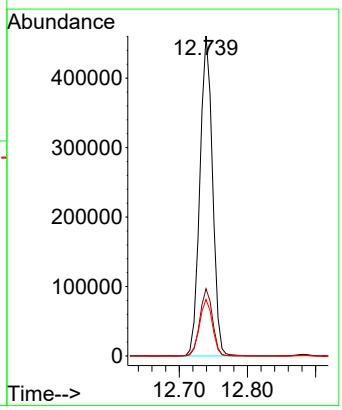


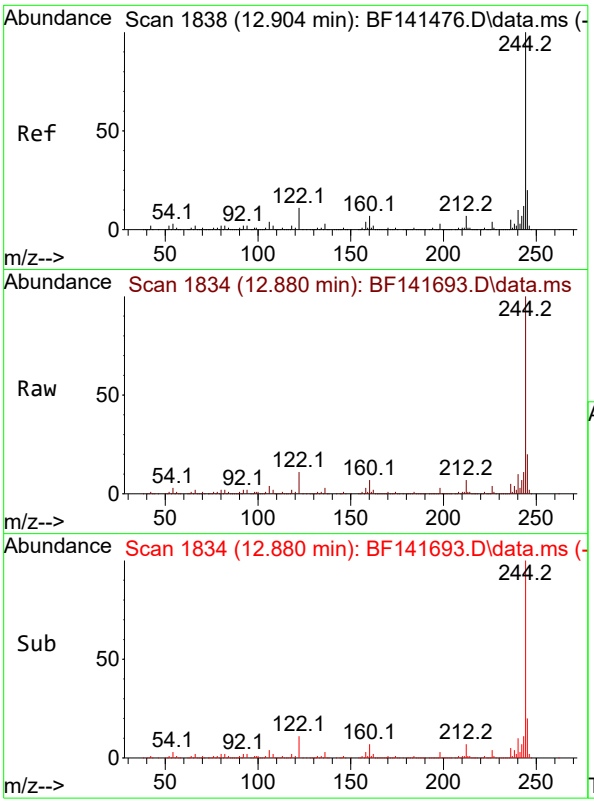


#78
Pyrene
Concen: 43.915 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:202 Resp: 595275

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.7	14.3	21.5



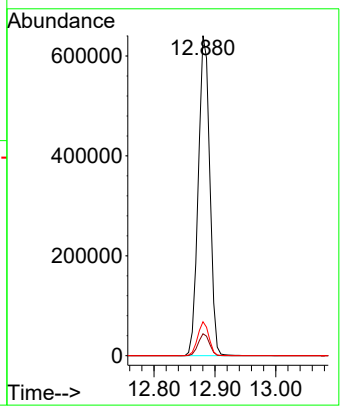


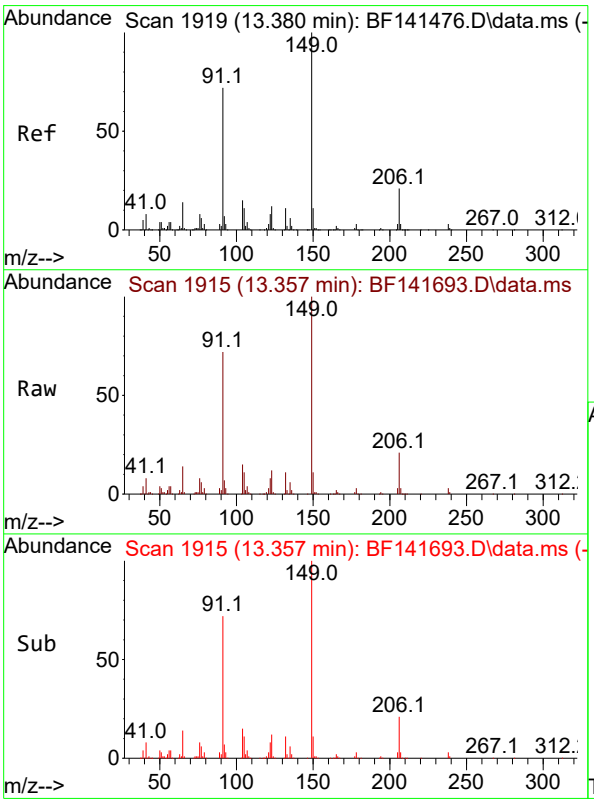
#79
Terphenyl-d14
Concen: 89.083 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 840257

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.6	8.4	12.6

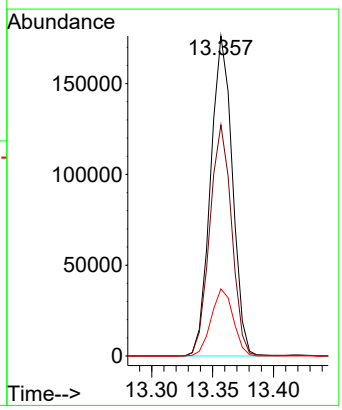


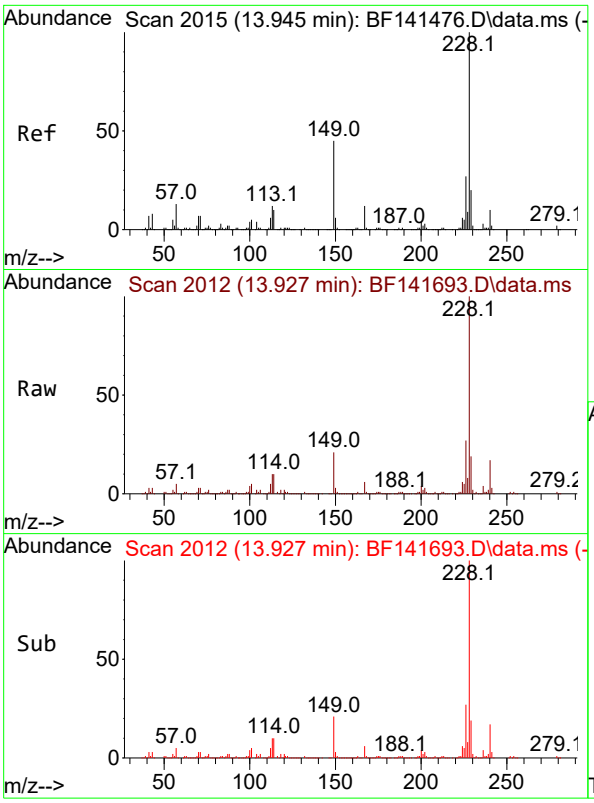


#80
Butylbenzylphthalate
Concen: 46.775 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 219614

Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	21.0	16.7	25.1



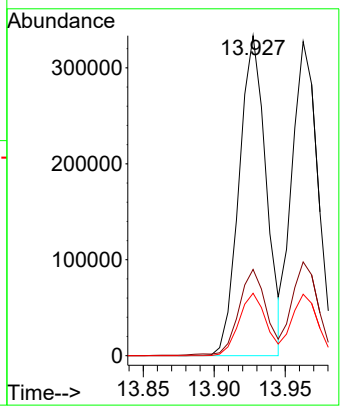


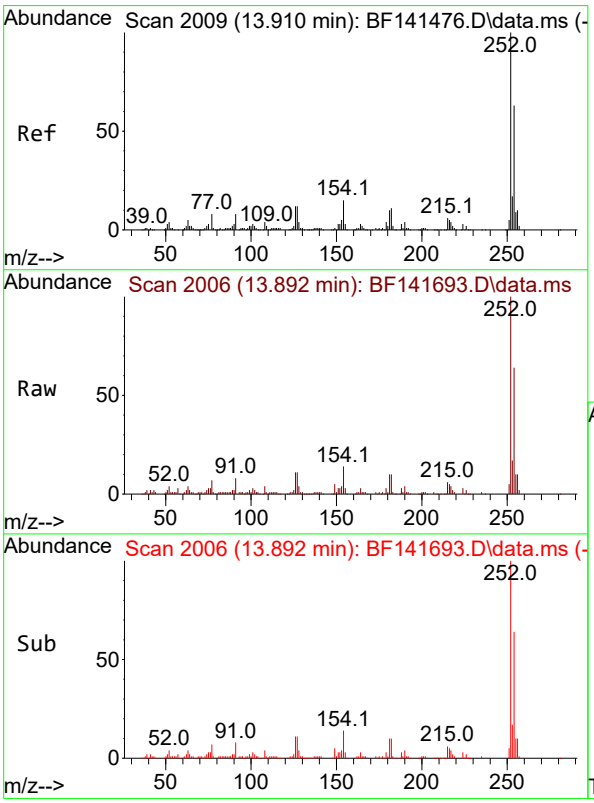
#81
Benzo(a)anthracene
Concen: 41.686 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 441236

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.5	15.8	23.6

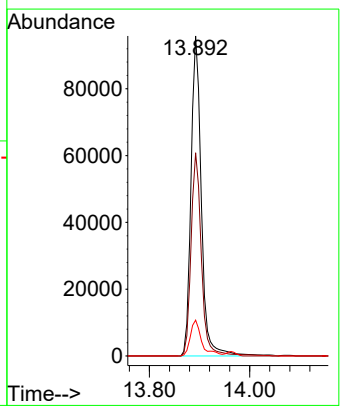


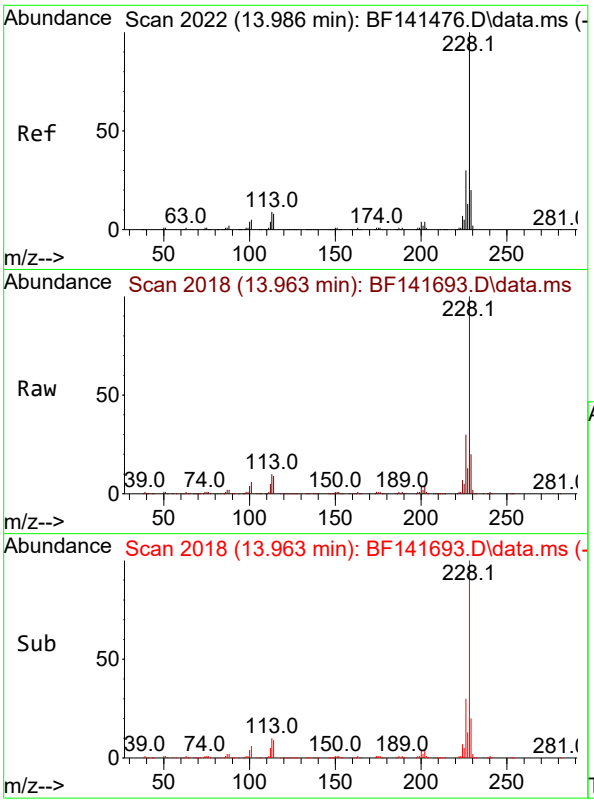


#82
3,3'-Dichlorobenzidine
Concen: 45.215 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 137095

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.6	76.0
126	11.2	9.3	13.9



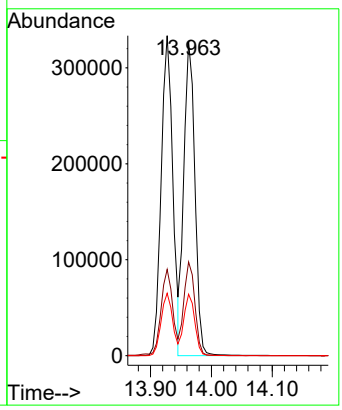


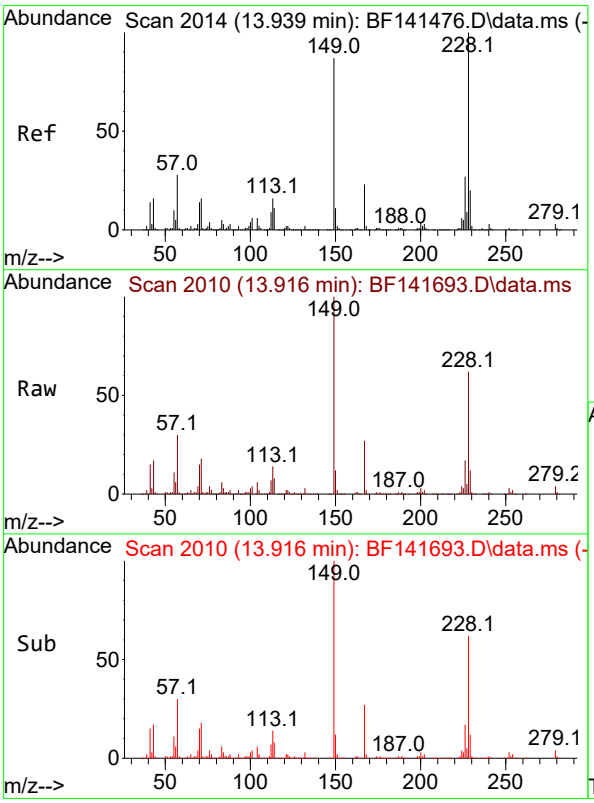
#83
Chrysene
Concen: 42.478 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 415159

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.6	15.7	23.5

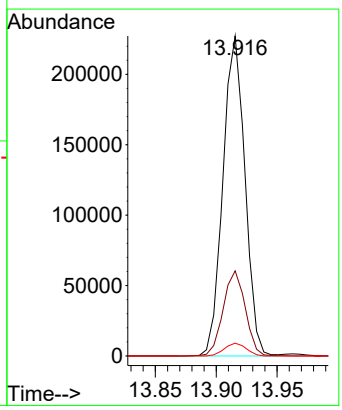


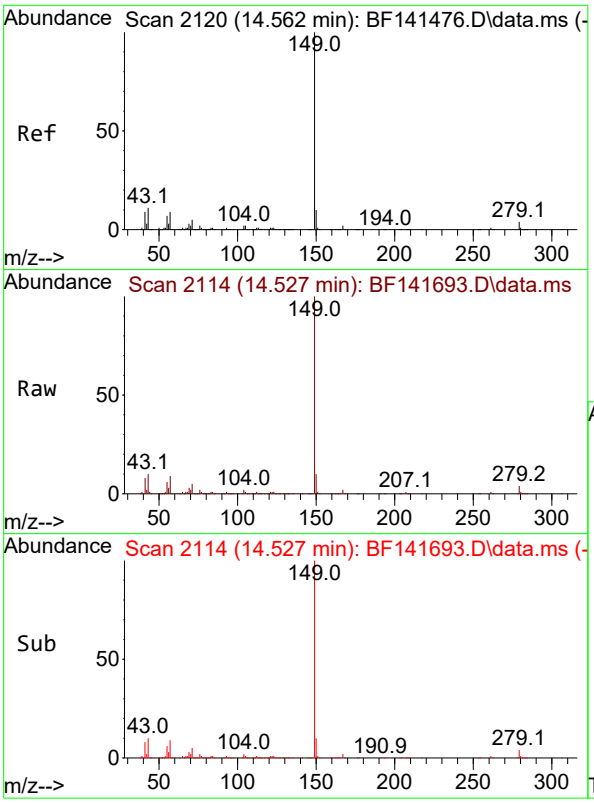


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.076 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:149 Resp: 286347

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	4.0	3.1	4.7



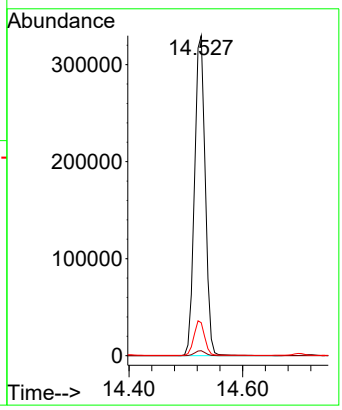


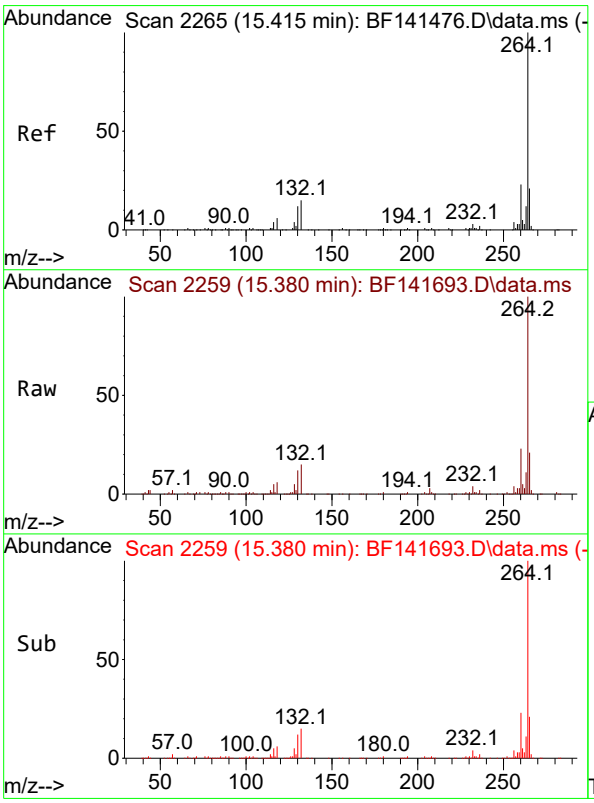
#85
Di-n-octyl phthalate
Concen: 57.257 ng
RT: 14.527 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 432533

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.8	9.5	14.3

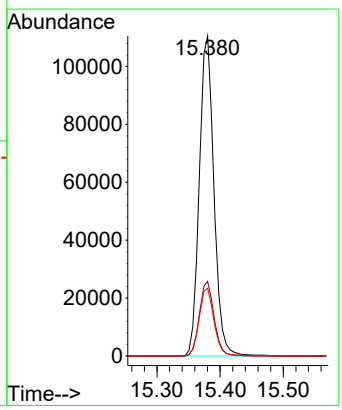


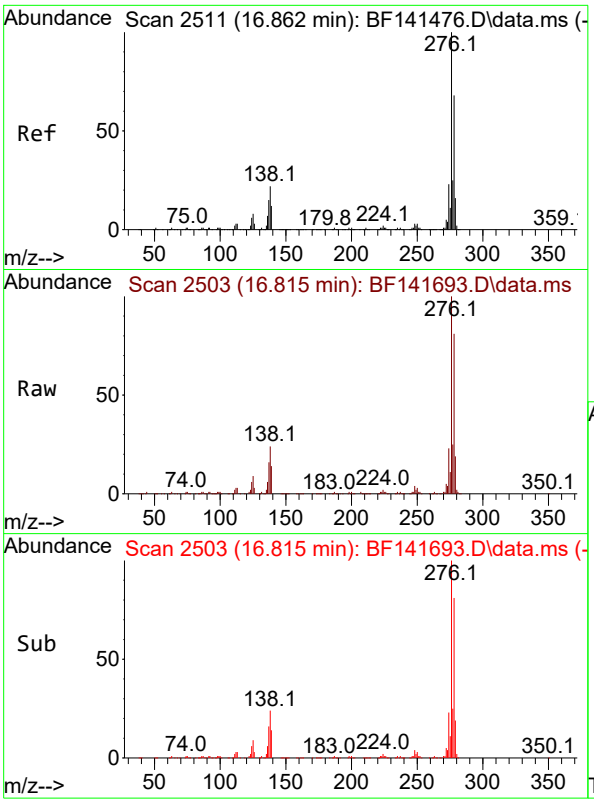


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:264 Resp: 177430

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.4



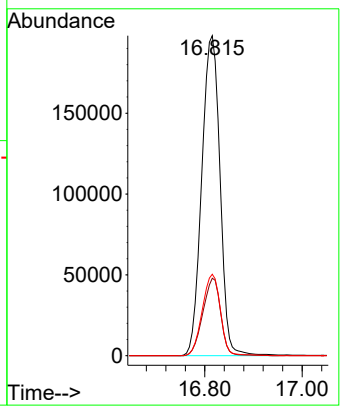


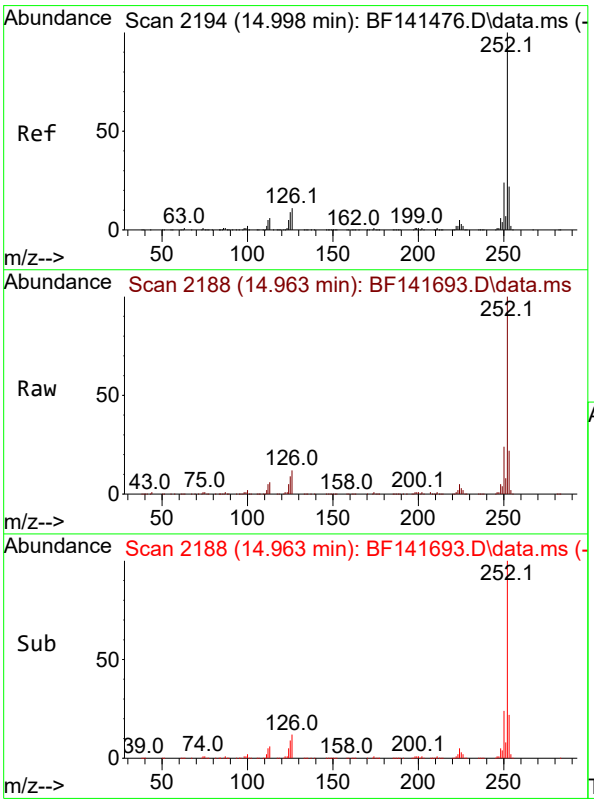
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.902 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 514199

Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.0	27.0
277	25.3	20.4	30.6

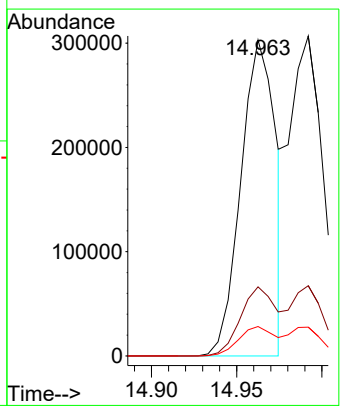


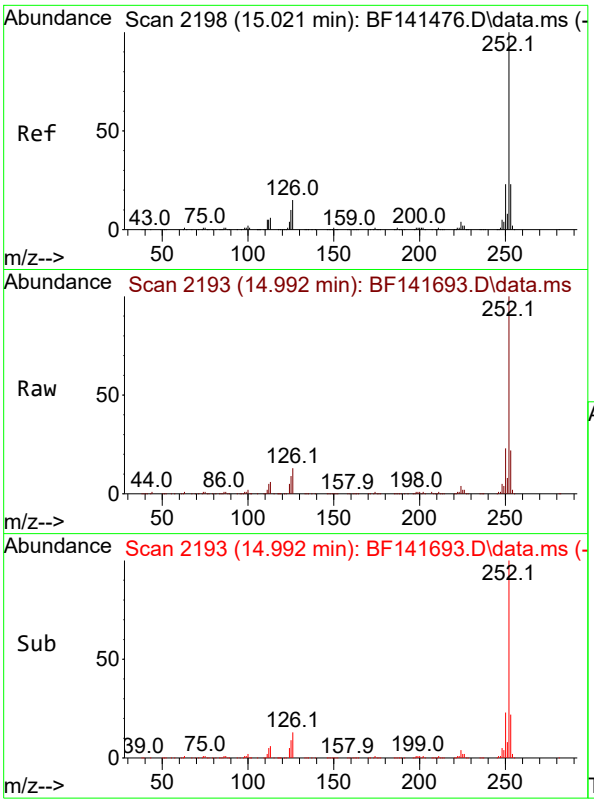


#88
Benzo(b)fluoranthene
Concen: 36.203 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 431312

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.3	7.0	10.6



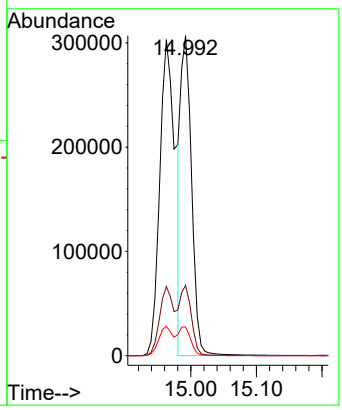


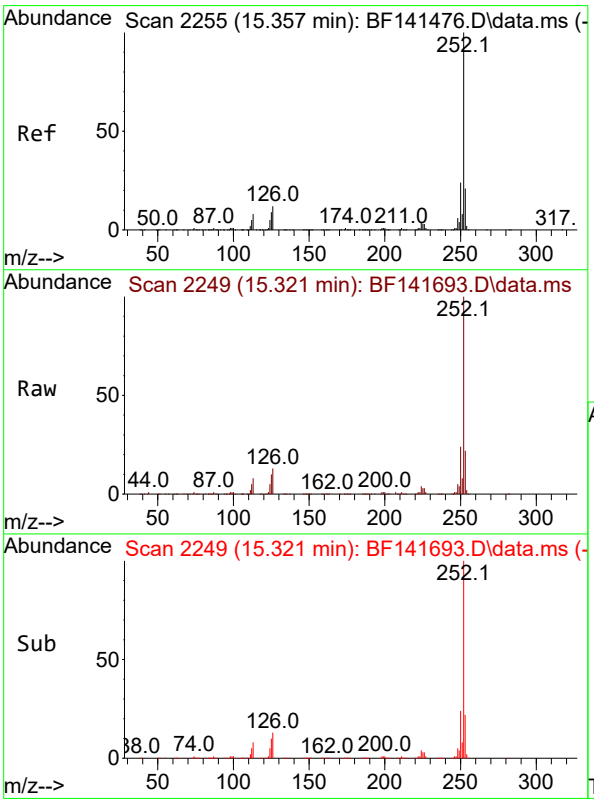
#89
Benzo(k)fluoranthene
Concen: 34.552 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 351504

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	9.0	7.4	11.0

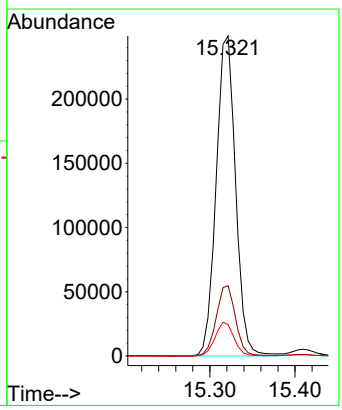


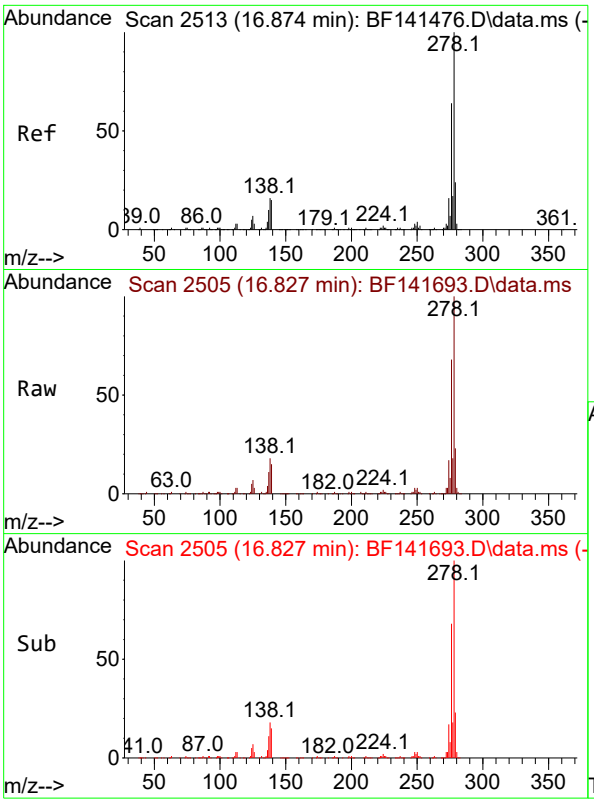


#90
Benzo(a)pyrene
Concen: 40.915 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:252 Resp: 394420

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.8	7.4	11.2



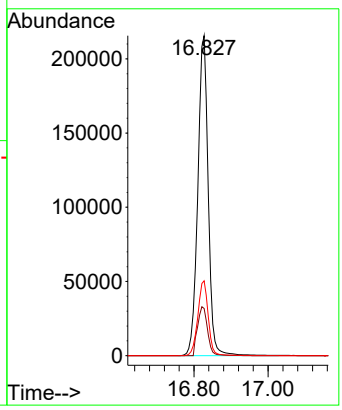


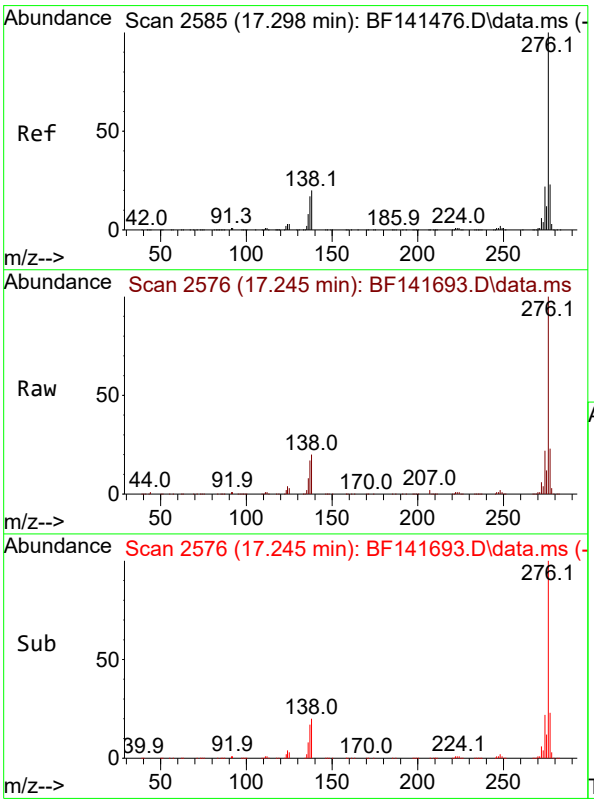
#91
Dibenzo(a,h)anthracene
Concen: 47.231 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 419567

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.4	19.1	28.7

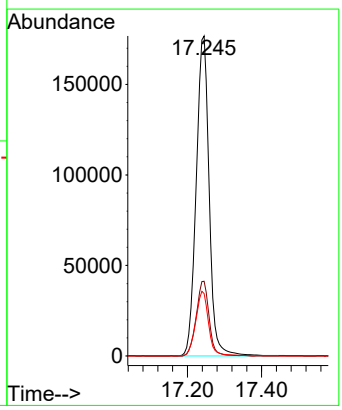




#92
Benzo(g,h,i)perylene
Concen: 46.156 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141693.D
Acq: 20 Feb 2025 00:05

Tgt Ion:276 Resp: 429072

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	19.5	15.9	23.9



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141699.D
Acq On : 20 Feb 2025 13:03
Operator : RC/JU
Sample : PB166776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Quant Time: Feb 20 13:27:13 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	6.781	152	87175	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	332694	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	173693	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	269657	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	173634	20.000	ng	-0.02
86) Perylene-d12	15.380	264	176994	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	725311	130.439	ng	0.00
7) Phenol-d6	6.428	99	867946	123.497	ng	-0.01
23) Nitrobenzene-d5	7.345	82	564292	88.467	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	221575	126.990	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1060752	94.088	ng	-0.02
79) Terphenyl-d14	12.880	244	988676	96.125	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.575	88	94420	42.190	ng	97
3) Pyridine	3.310	79	218595	41.046	ng	94
4) n-Nitrosodimethylamine	3.257	42	138147	39.176	ng	91
6) Aniline	6.445	93	222770	33.791	ng	90
8) 2-Chlorophenol	6.569	128	261379	43.502	ng	99
9) Benzaldehyde	6.334	77	115962	31.050	ng	95
10) Phenol	6.440	94	305550	41.771	ng	95
11) bis(2-Chloroethyl)ether	6.516	93	242719	44.177	ng	100
12) 1,3-Dichlorobenzene	6.722	146	277228	43.705	ng	97
13) 1,4-Dichlorobenzene	6.798	146	280508	43.282	ng	99
14) 1,2-Dichlorobenzene	6.951	146	267644	44.496	ng	99
15) Benzyl Alcohol	6.928	79	216278	40.130	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	376314	40.012	ng	81
17) 2-Methylphenol	7.045	107	200728	42.691	ng	97
18) Hexachloroethane	7.287	117	104391	43.523	ng	99
19) n-Nitroso-di-n-propyla...	7.192	70	175045	41.639	ng	95
20) 3+4-Methylphenols	7.198	107	257675	43.122	ng	92
22) Acetophenone	7.192	105	396112	47.863	ng	95
24) Nitrobenzene	7.363	77	268663	43.194	ng	100
25) Isophorone	7.604	82	469107	46.125	ng	99
26) 2-Nitrophenol	7.681	139	135380	43.749	ng	95
27) 2,4-Dimethylphenol	7.722	122	203384	56.260	ng	99
28) bis(2-Chloroethoxy)met...	7.810	93	290525	44.579	ng	99
29) 2,4-Dichlorophenol	7.928	162	213890	43.790	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	234145	44.020	ng	99
31) Naphthalene	8.081	128	737197	42.568	ng	100
32) Benzoic acid	7.863	122	130743	34.818	ng	99
33) 4-Chloroaniline	8.139	127	72372	11.970	ng	98
34) Hexachlorobutadiene	8.198	225	141446	44.296	ng	99
35) Caprolactam	8.545	113	21162	14.230	ng	91
36) 4-Chloro-3-methylphenol	8.628	107	225834	41.740	ng	100
37) 2-Methylnaphthalene	8.775	142	463695	41.146	ng	100
38) 1-Methylnaphthalene	8.875	142	452758	41.481	ng	100
40) 1,2,4,5-Tetrachloroben...	8.939	216	251455	50.039	ng	99
41) Hexachlorocyclopentadiene	8.922	237	229243	137.156	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	144254	44.416	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141699.D
Acq On : 20 Feb 2025 13:03
Operator : RC/JU
Sample : PB166776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Quant Time: Feb 20 13:27:13 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	9.104	196	152557	43.341	ng	97
46) 1,1'-Biphenyl	9.239	154	660188	49.026	ng	100
47) 2-Chloronaphthalene	9.263	162	452576	45.450	ng	98
48) 2-Nitroaniline	9.363	65	142181	42.546	ng	97
49) Acenaphthylene	9.675	152	683006	46.115	ng	100
50) Dimethylphthalate	9.539	163	524971	44.521	ng	100
51) 2,6-Dinitrotoluene	9.604	165	115137	44.666	ng	97
52) Acenaphthene	9.845	154	429158	43.100	ng	100
53) 3-Nitroaniline	9.775	138	63575	22.915	ng	96
54) 2,4-Dinitrophenol	9.892	184	111864	73.018	ng	88
55) Dibenzofuran	10.022	168	607831	41.588	ng	99
56) 4-Nitrophenol	9.951	139	148950	72.322	ng	97
57) 2,4-Dinitrotoluene	10.010	165	150374	43.821	ng	99
58) Fluorene	10.363	166	479871	42.464	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	127160	41.961	ng	95
60) Diethylphthalate	10.239	149	494002	42.581	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	238542	43.877	ng	97
62) 4-Nitroaniline	10.392	138	105249	37.360	ng	97
63) Azobenzene	10.516	77	470068	40.757	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	73351	39.159	ng	94
66) n-Nitrosodiphenylamine	10.475	169	416264	48.223	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	144158	47.833	ng	100
68) Hexachlorobenzene	10.910	284	151735	48.894	ng	99
69) Atrazine	11.004	200	152819	59.012	ng	99
70) Pentachlorophenol	11.110	266	135174	68.120	ng	99
71) Phenanthrene	11.322	178	682726	45.995	ng	100
72) Anthracene	11.375	178	697815	46.767	ng	99
73) Carbazole	11.533	167	574394	42.782	ng	99
74) Di-n-butylphthalate	11.863	149	693026	44.704	ng	100
75) Fluoranthene	12.510	202	649928	41.300	ng	100
77) Benzidine	12.639	184	172502	45.047	ng	99
78) Pyrene	12.739	202	639725	43.280	ng	99
80) Butylbenzylphthalate	13.357	149	234796	45.861	ng	98
81) Benzo(a)anthracene	13.927	228	516958	44.789	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	116901	35.357	ng	100
83) Chrysene	13.963	228	481985	45.226	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	303987	52.646	ng	100
85) Di-n-octyl phthalate	14.527	149	484777	58.851	ng	97
87) Indeno(1,2,3-cd)pyrene	16.809	276	534394	48.864	ng	99
88) Benzo(b)fluoranthene	14.963	252	480528	40.434	ng	99
89) Benzo(k)fluoranthene	14.992	252	475753	46.881	ng	99
90) Benzo(a)pyrene	15.315	252	463704	48.220	ng	98
91) Dibenzo(a,h)anthracene	16.821	278	429886	48.511	ng	99
92) Benzo(g,h,i)perylene	17.239	276	412214	44.452	ng	99

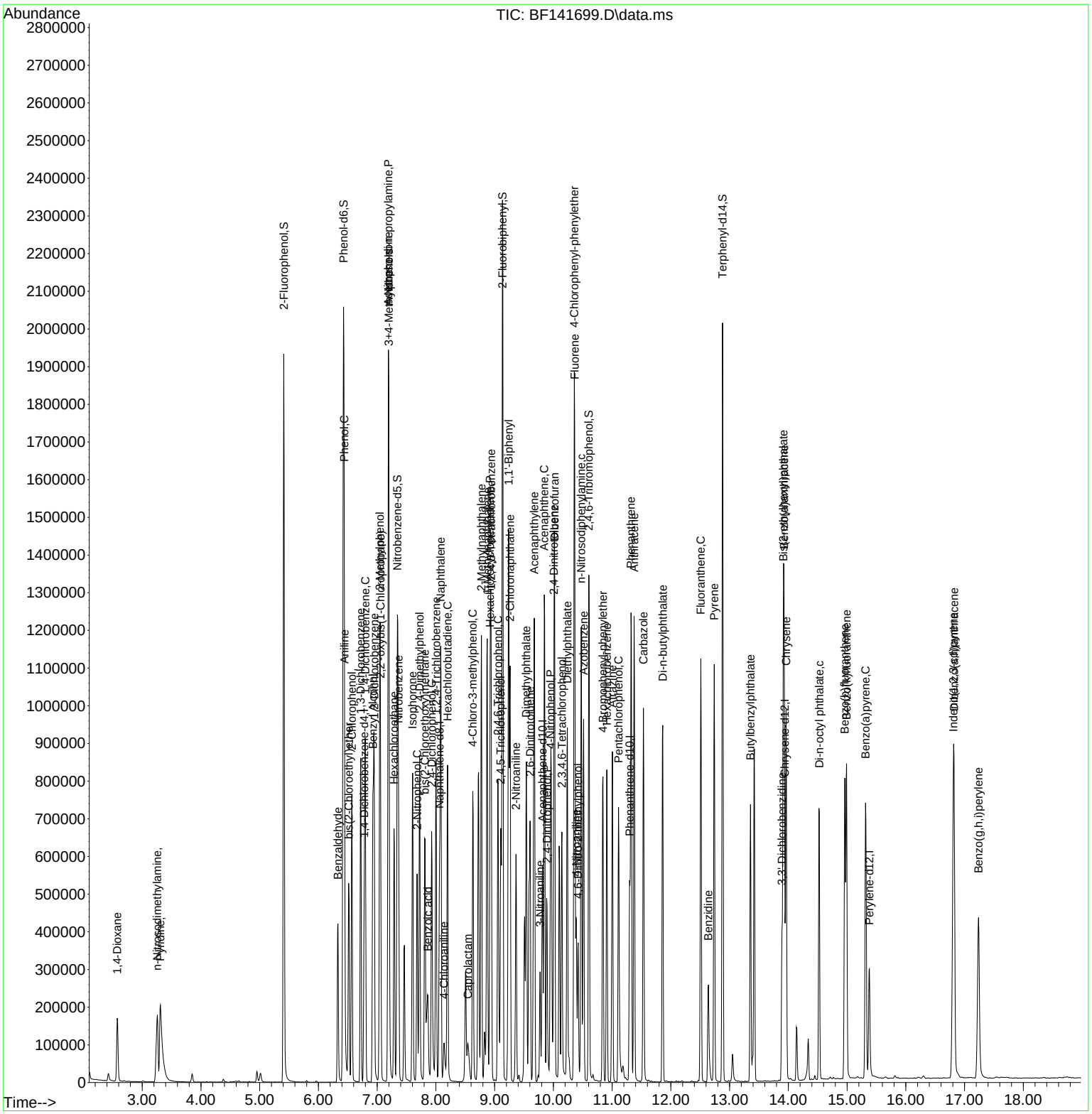
(#) = qualifier out of range (m) = manual integration (+) = signals summed

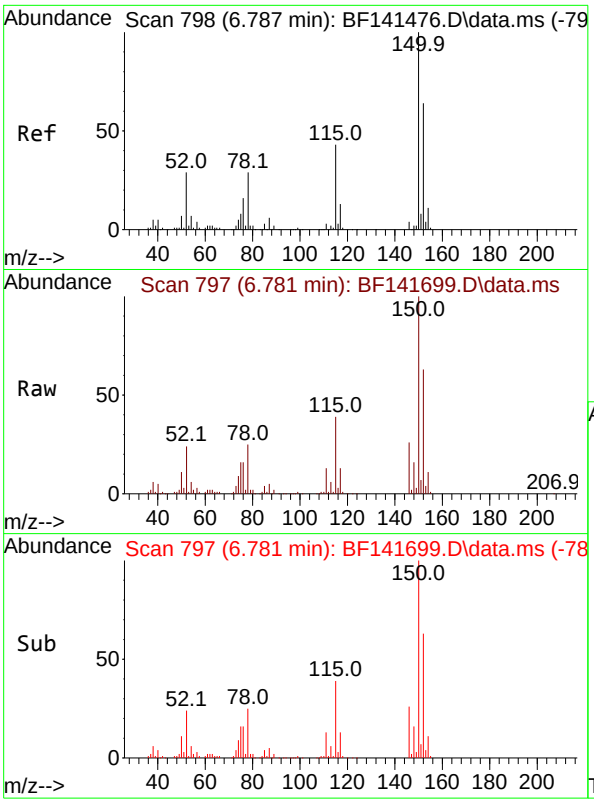
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141699.D
Acq On : 20 Feb 2025 13:03
Operator : RC/JU
Sample : PB166776BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Quant Time: Feb 20 13:27:13 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



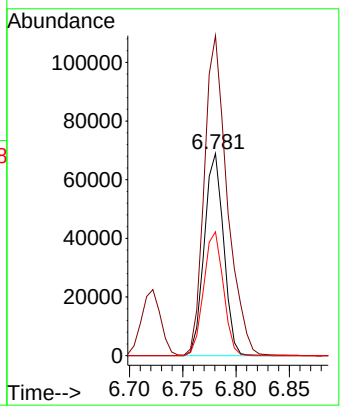


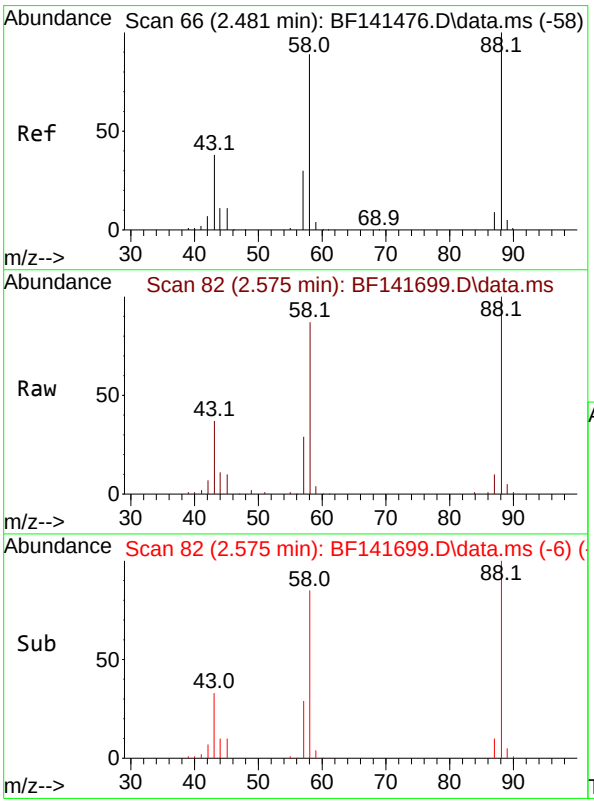
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:152 Resp: 87175

Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.0	187.4
115	61.2	53.6	80.4

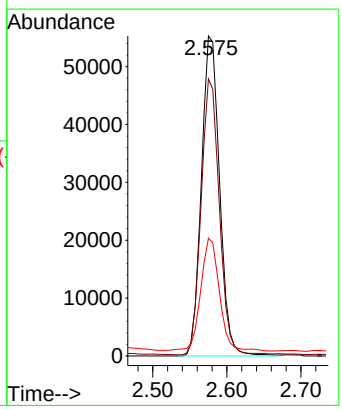


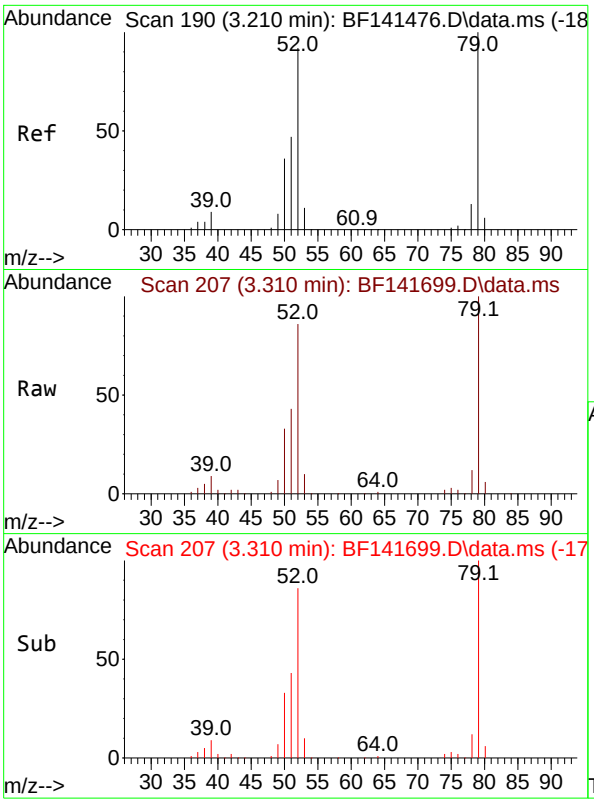


#2
1,4-Dioxane
Concen: 42.190 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.094 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 88 Resp: 94420

Ion	Ratio	Lower	Upper
88	100		
58	86.5	71.1	106.7
43	36.3	30.6	46.0



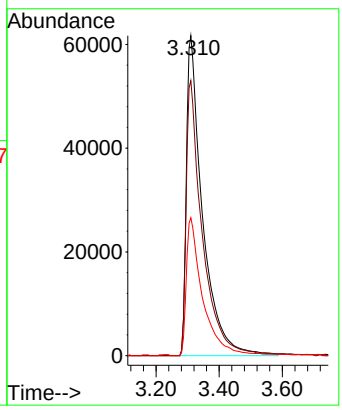


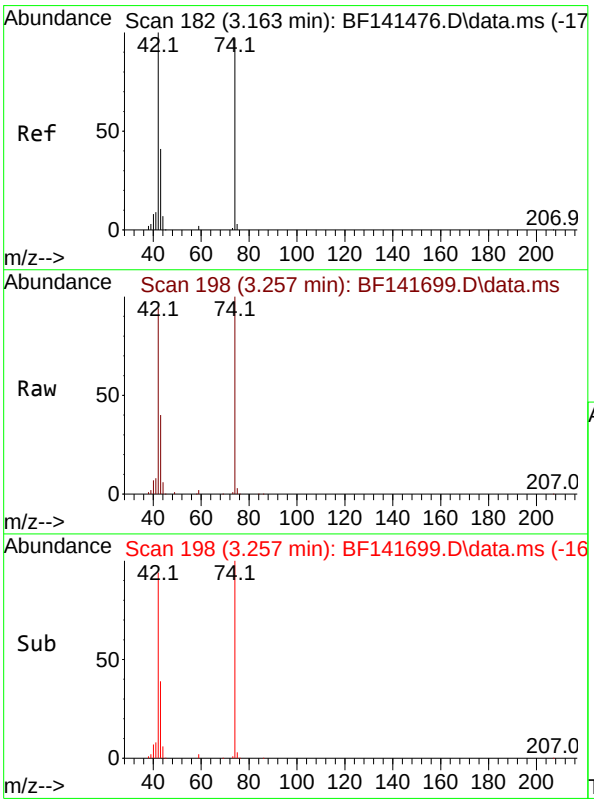
#3
Pyridine
Concen: 41.046 ng
RT: 3.310 min Scan# 2
Delta R.T. 0.094 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 79 Resp: 218595

Ion	Ratio	Lower	Upper
79	100		
52	86.0	73.7	110.5
51	43.1	37.5	56.3

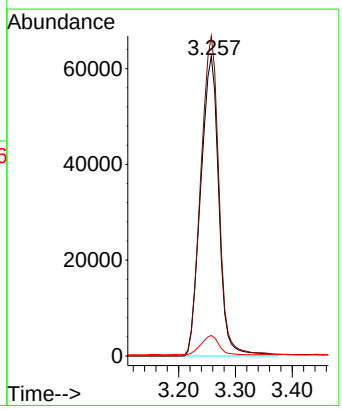


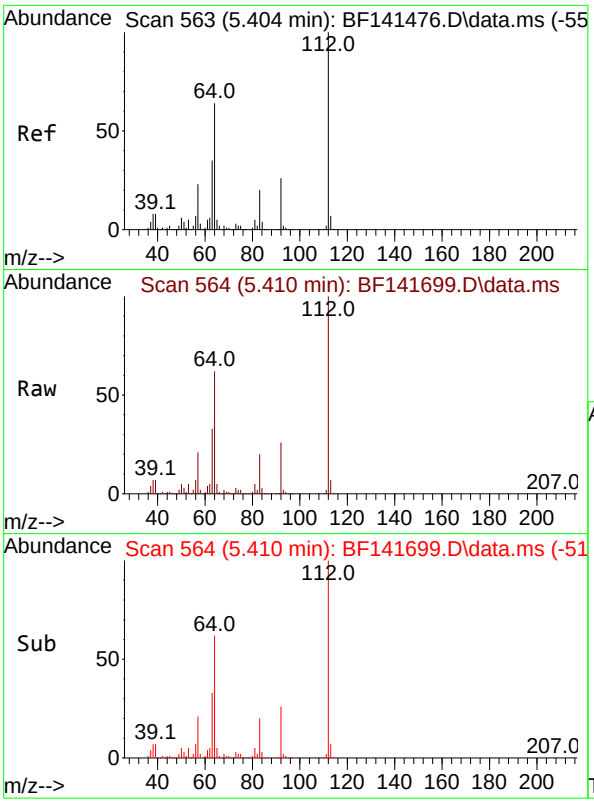


#4
n-Nitrosodimethylamine
Concen: 39.176 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.071 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 42 Resp: 138147

Ion	Ratio	Lower	Upper
42	100		
74	106.7	78.0	117.0
44	6.8	5.4	8.2



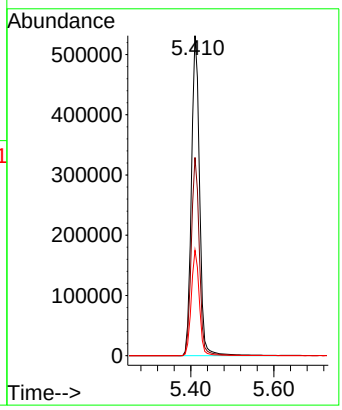


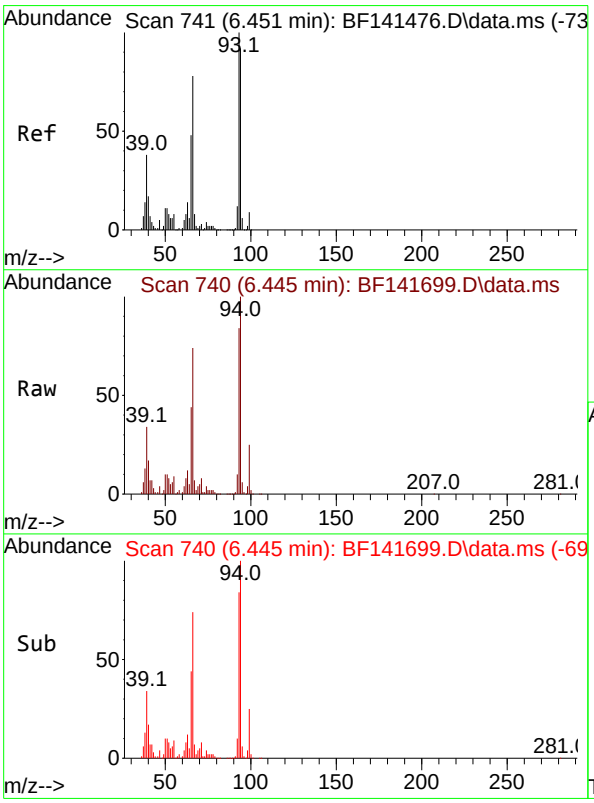
#5
2-Fluorophenol
Concen: 130.439 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:112 Resp: 725311

Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.1	76.7
63	33.0	28.4	42.6

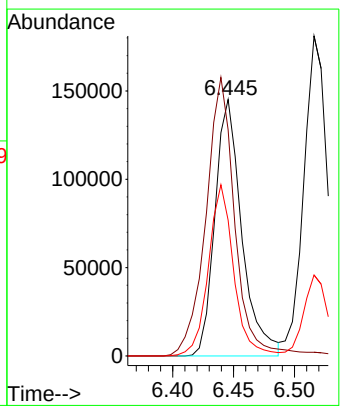


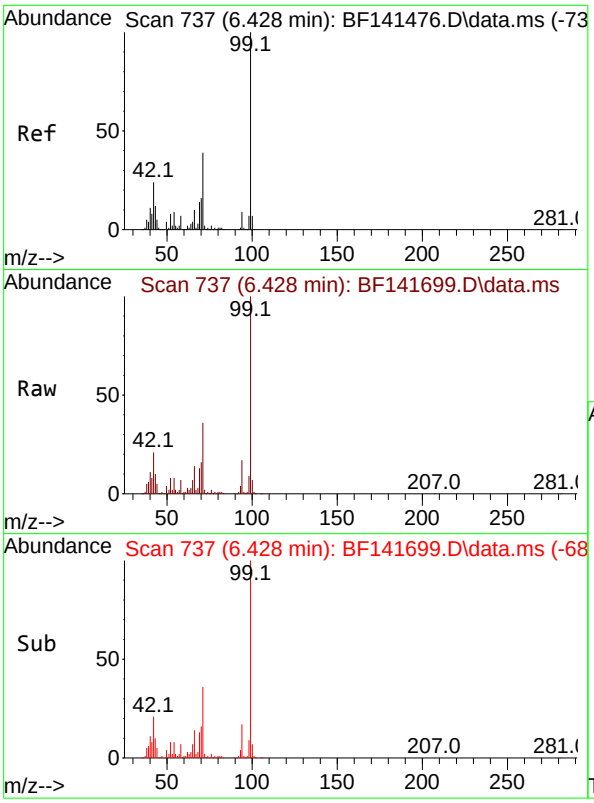


#6
Aniline
Concen: 33.791 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 93 Resp: 222770

Ion	Ratio	Lower	Upper
93	100		
66	88.2	62.6	94.0
65	52.9	38.3	57.5



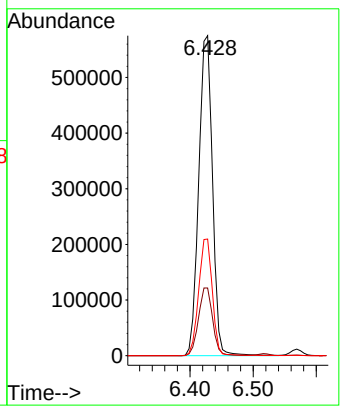


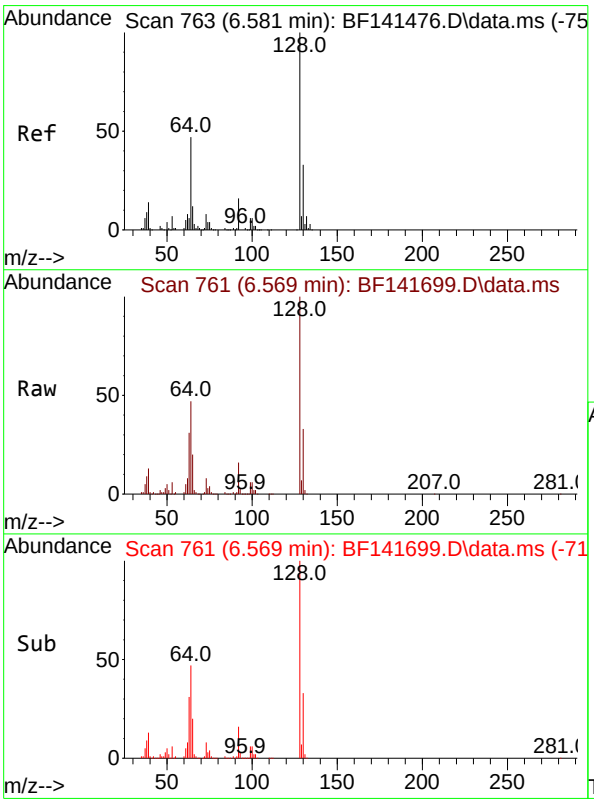
#7
Phenol-d6
Concen: 123.497 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 99 Resp: 867946

Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.1	28.7
71	36.5	31.1	46.7

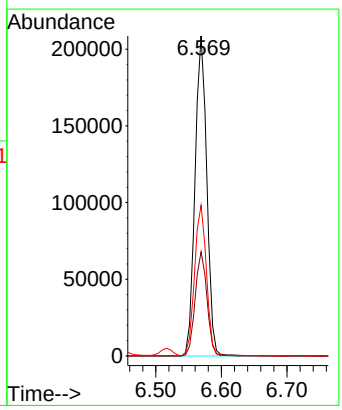


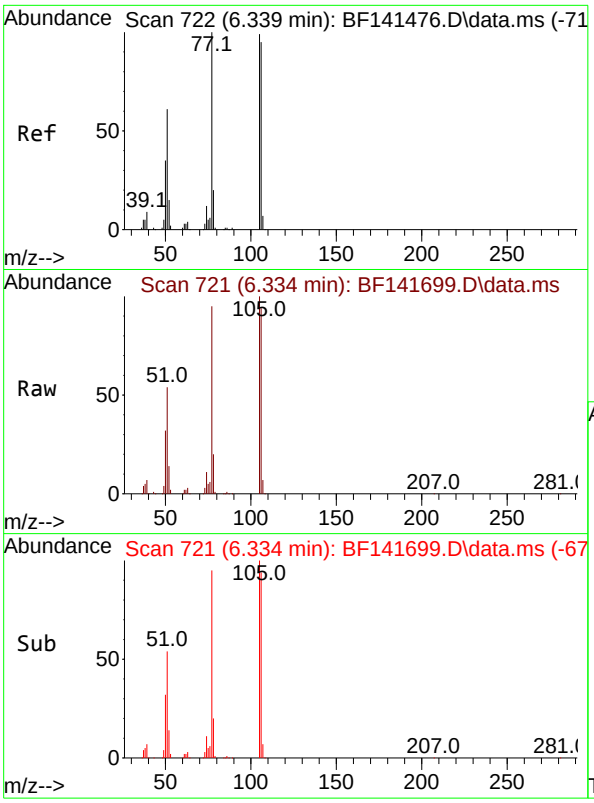


#8
2-Chlorophenol
Concen: 43.502 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:128 Resp: 261379

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.7	52.7
64	47.1	28.3	68.3



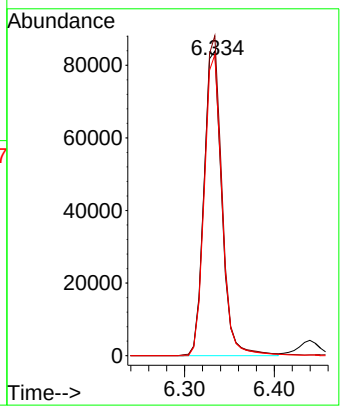


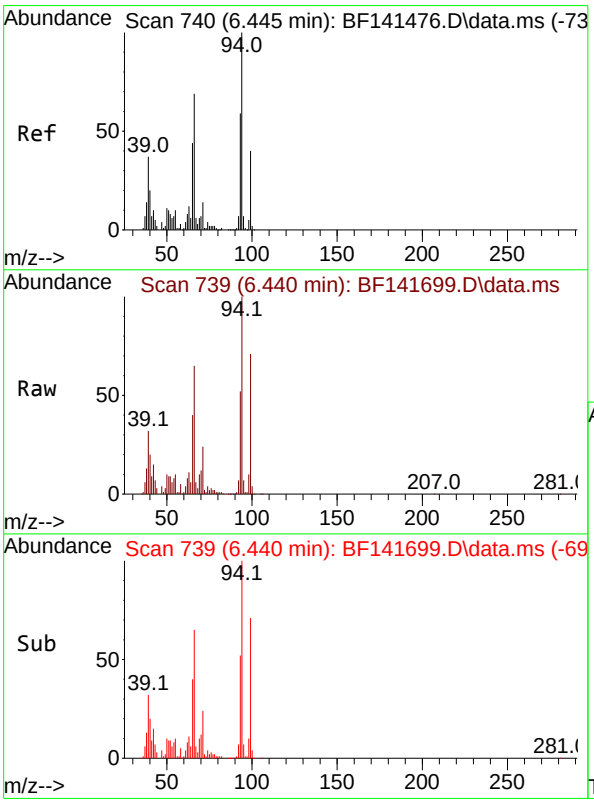
#9
Benzaldehyde
Concen: 31.050 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 77 Resp: 115962

Ion	Ratio	Lower	Upper
77	100		
105	105.0	79.4	119.4
106	98.8	75.1	115.1

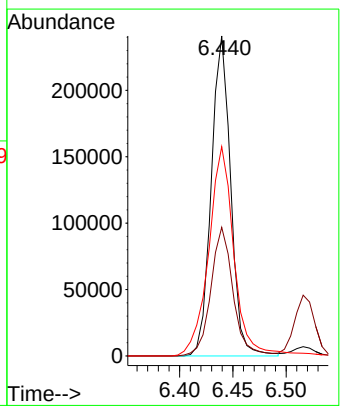


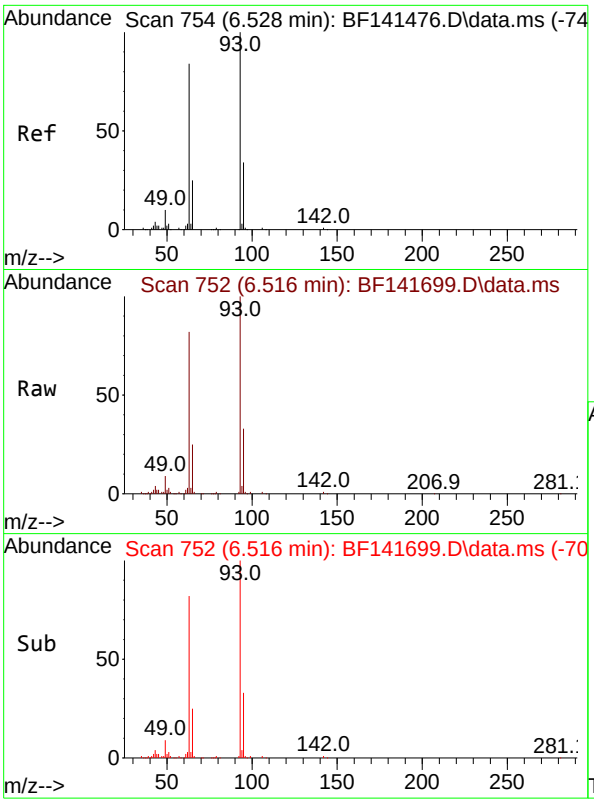


#10
Phenol
Concen: 41.771 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 94 Resp: 305550

Ion	Ratio	Lower	Upper
94	100		
65	40.2	23.7	63.7
66	65.4	49.3	89.3



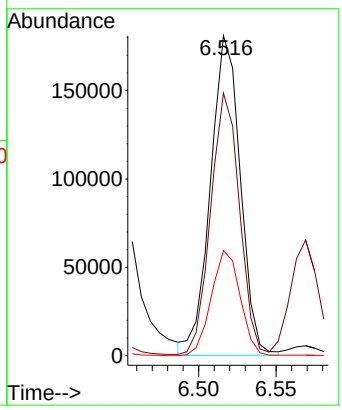


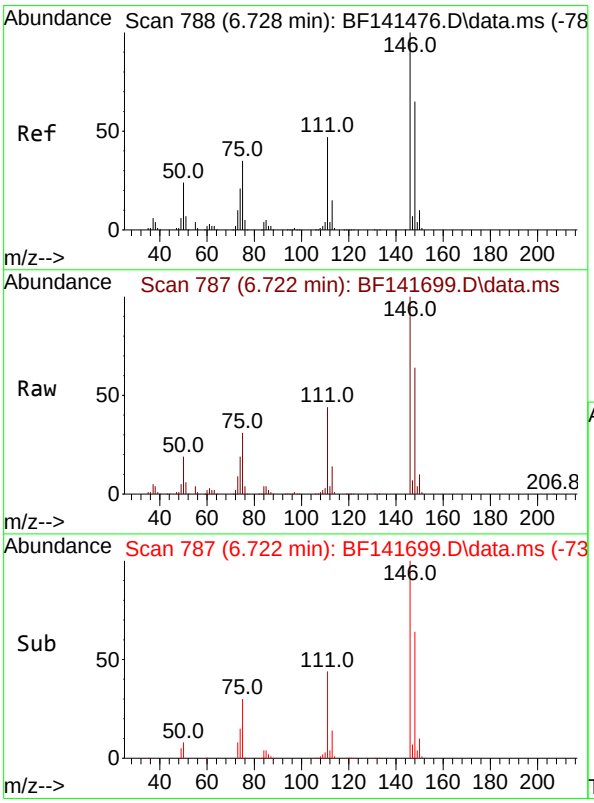
#11
bis(2-Chloroethyl)ether
Concen: 44.177 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 93 Resp: 242719

Ion	Ratio	Lower	Upper
93	100		
63	82.0	62.0	102.0
95	32.9	12.6	52.6

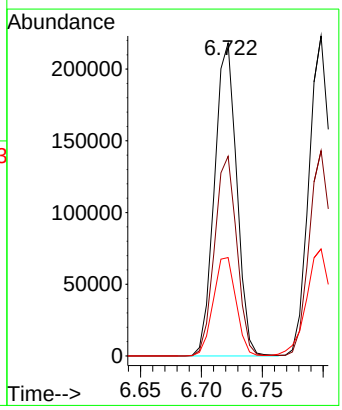


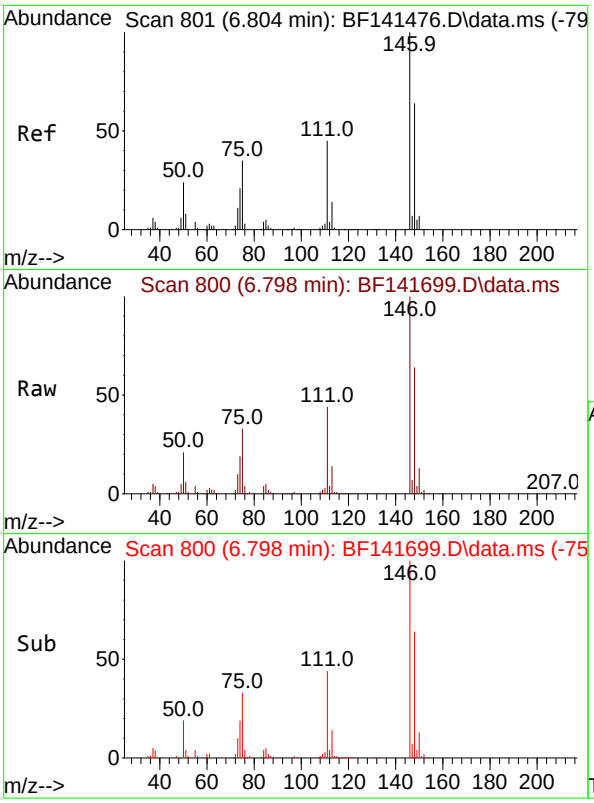


#12
1,3-Dichlorobenzene
Concen: 43.705 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:146 Resp: 277228

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.9	77.9
75	31.4	28.2	42.2



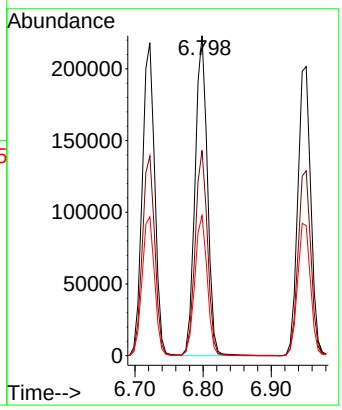


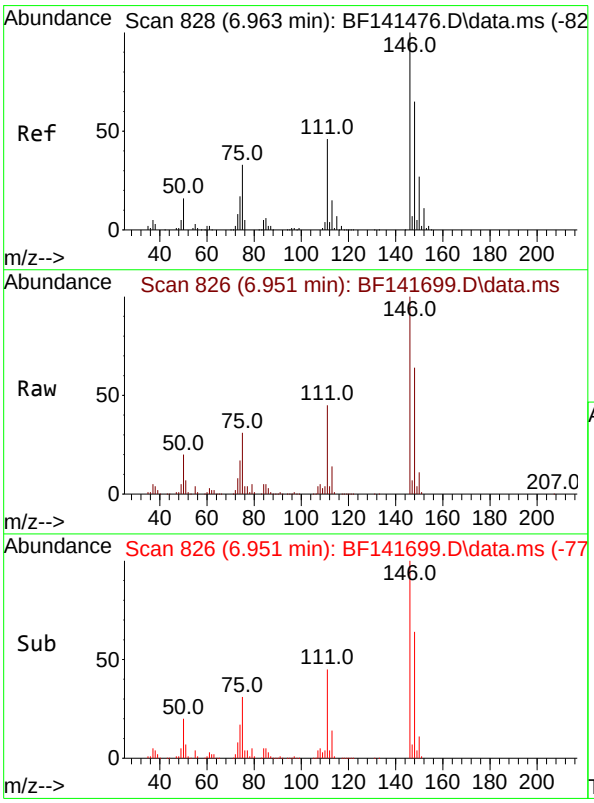
#13
1,4-Dichlorobenzene
Concen: 43.282 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:146 Resp: 280508

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
111	43.8	35.9	53.9

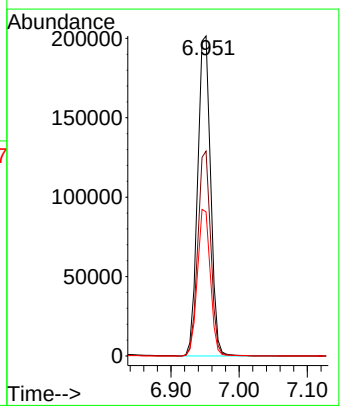


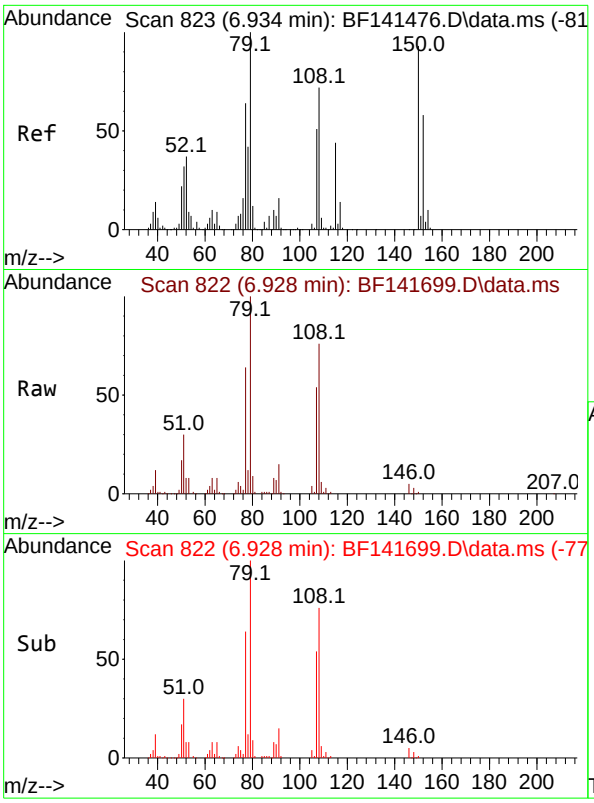


#14
1,2-Dichlorobenzene
Concen: 44.496 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:146 Resp: 267644

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.6
111	45.0	37.0	55.4



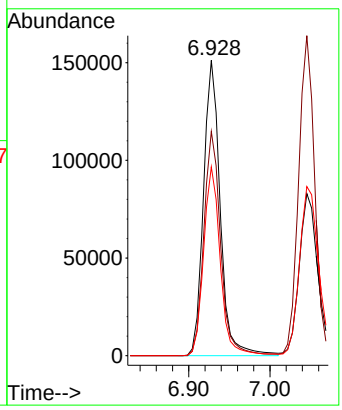


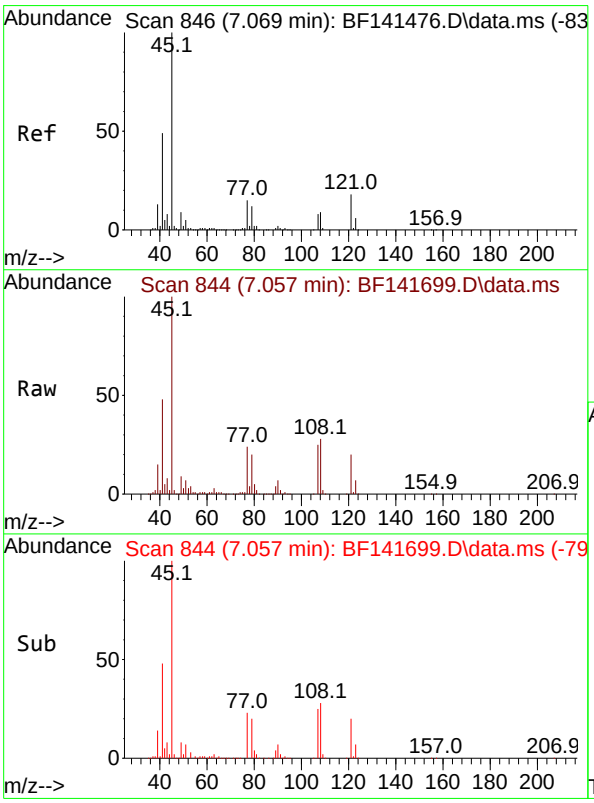
#15
Benzyl Alcohol
Concen: 40.130 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 79 Resp: 216278

Ion	Ratio	Lower	Upper
79	100		
108	75.9	57.4	86.2
77	63.9	50.9	76.3

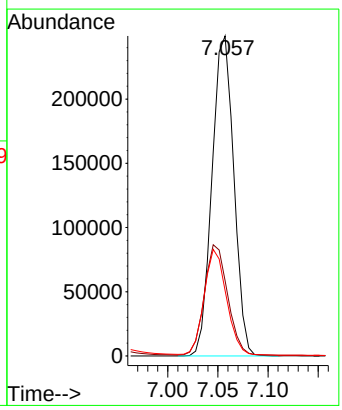


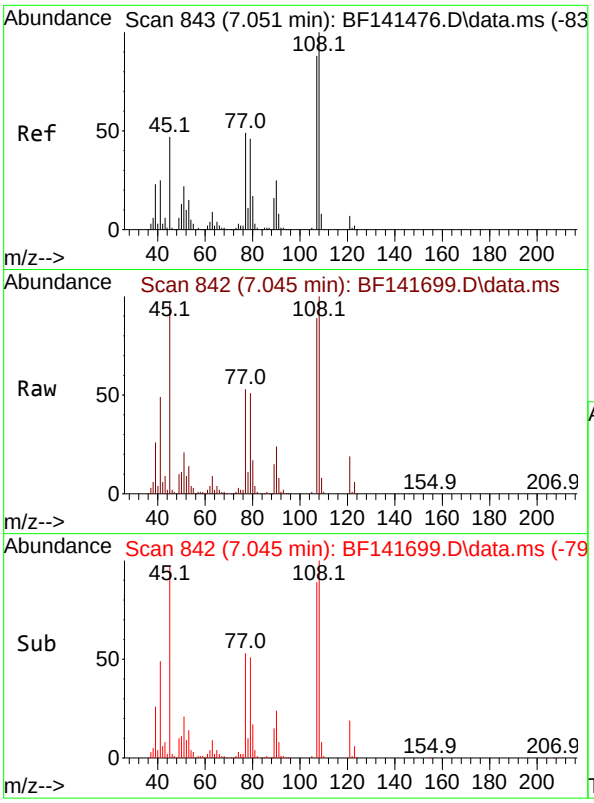


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.012 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 45 Resp: 376314

Ion	Ratio	Lower	Upper
45	100		
77	23.6	0.0	35.8
79	20.5	0.0	32.7



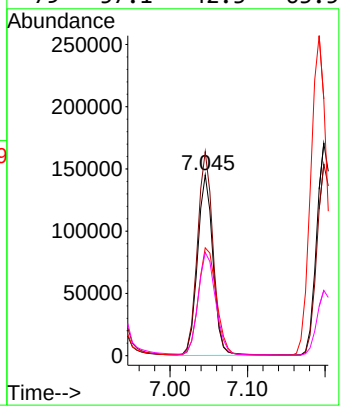


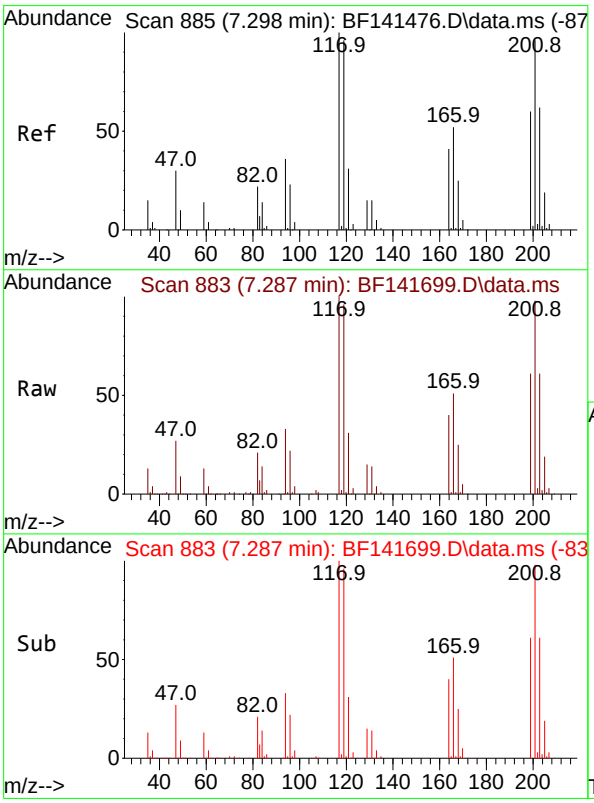
#17
2-Methylphenol
Concen: 42.691 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:107 Resp: 200728

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	136.0
77	59.6	44.4	66.6
79	57.1	42.3	63.5

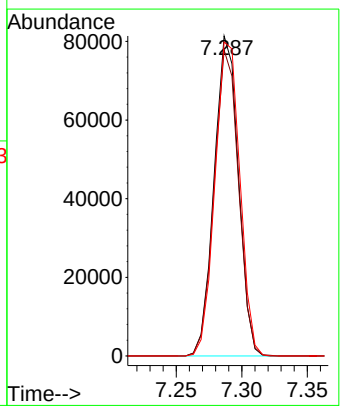


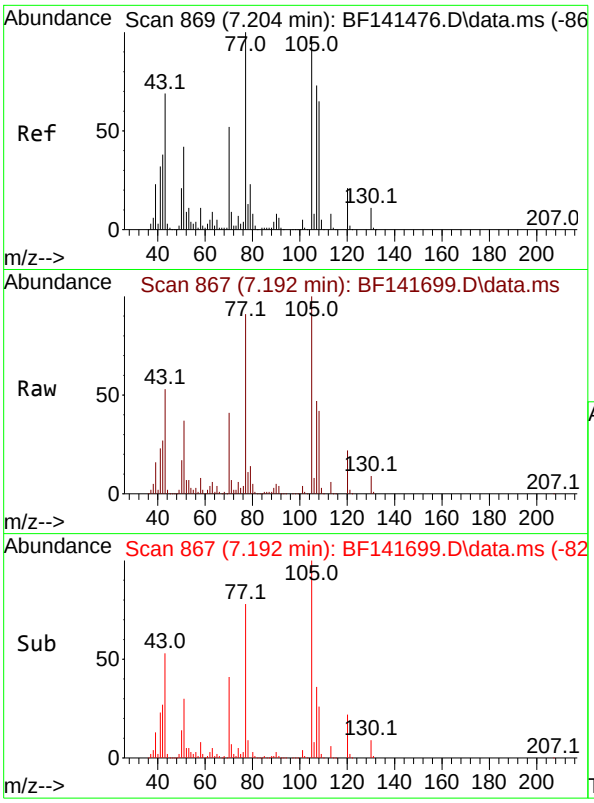


#18
Hexachloroethane
Concen: 43.523 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:117 Resp: 104391

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	98.1	76.7	115.1



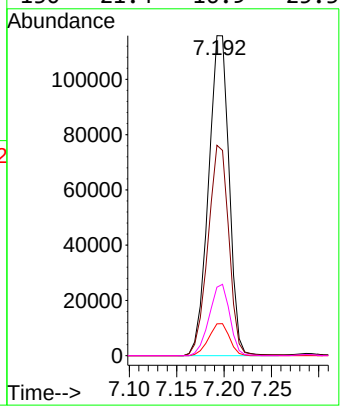


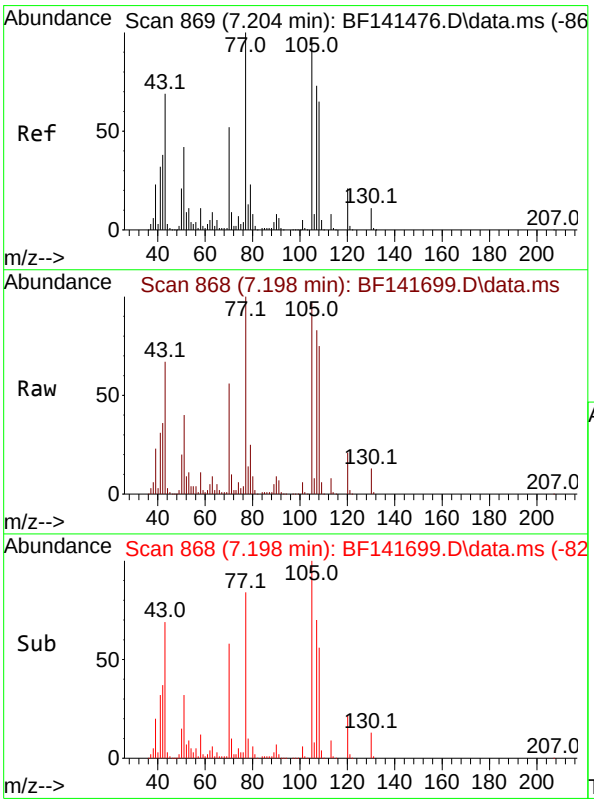
#19
n-Nitroso-di-n-propylamine
Concen: 41.639 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 70 Resp: 175045

Ion	Ratio	Lower	Upper
70	100		
42	65.7	57.4	86.2
101	9.9	8.0	12.0
130	21.4	16.9	25.3

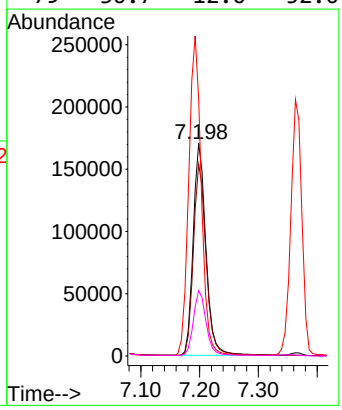


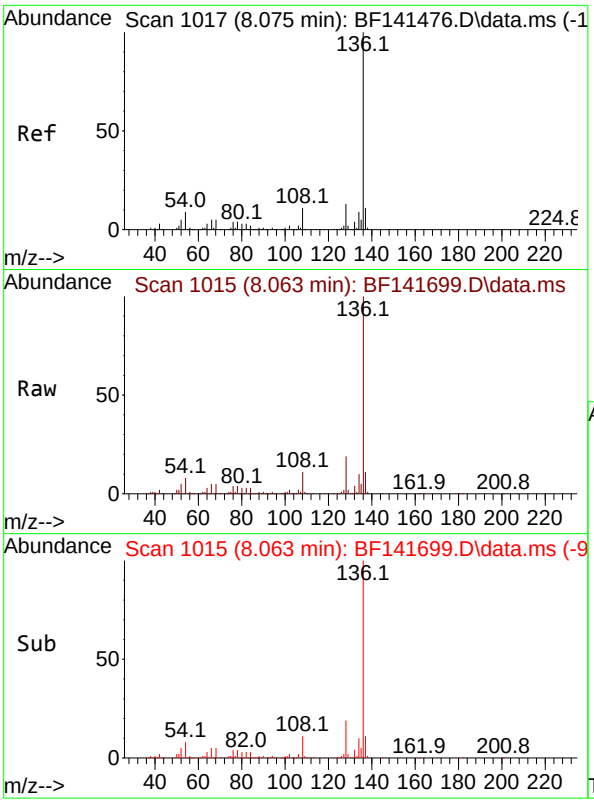


#20
3+4-Methylphenols
Concen: 43.122 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:107 Resp: 257675

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.5	108.5
77	120.7	116.5	156.5
79	30.7	12.0	52.0



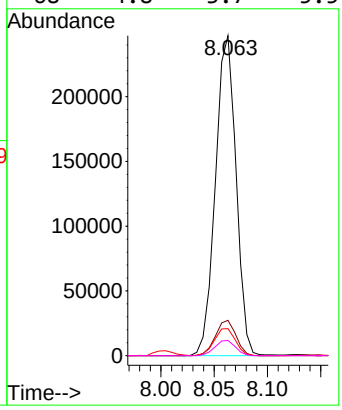


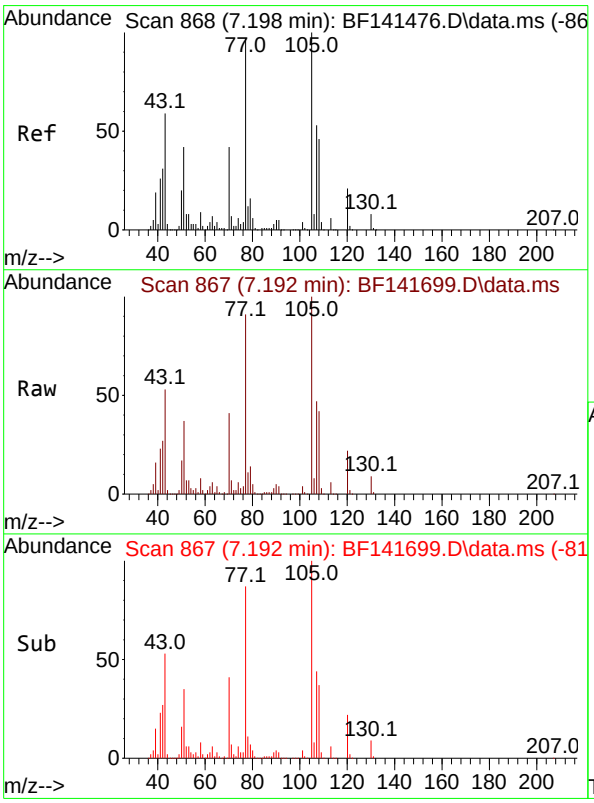
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:136 Resp: 332694

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.5	7.2	10.8
68	4.8	3.7	5.5

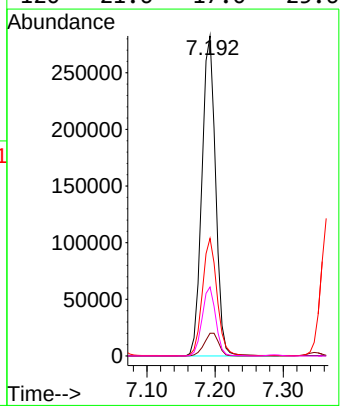


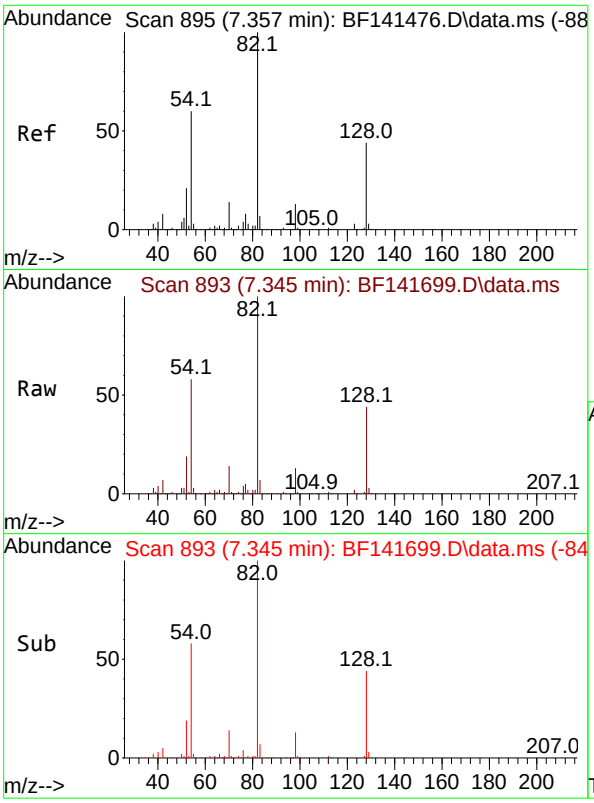


#22
Acetophenone
Concen: 47.863 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:105 Resp: 396112

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	36.7	33.7	50.5
120	21.6	17.0	25.6



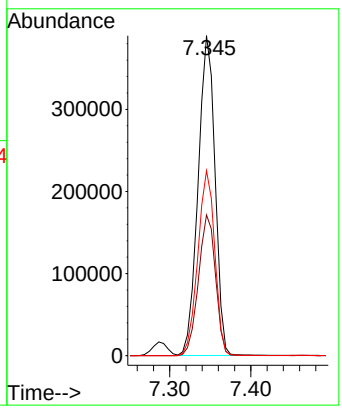


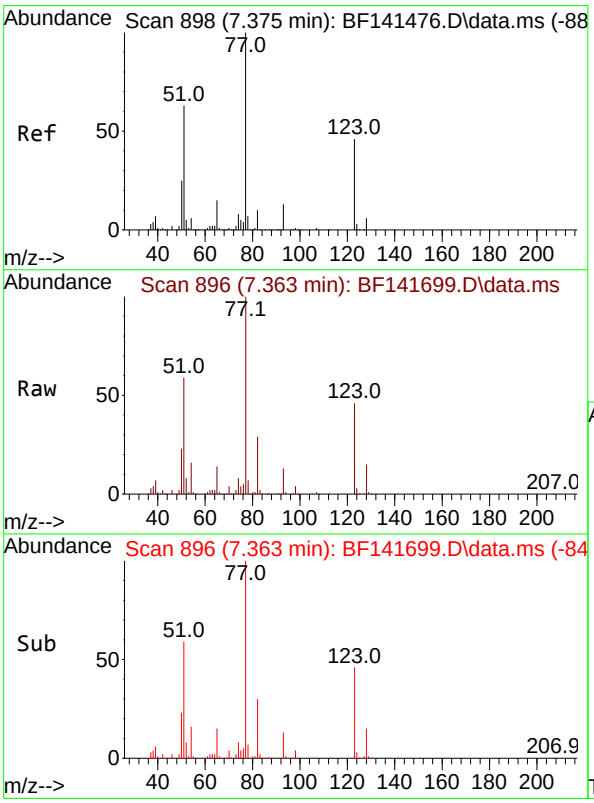
#23
Nitrobenzene-d5
Concen: 88.467 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 82 Resp: 564292

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	57.8	48.2	72.4

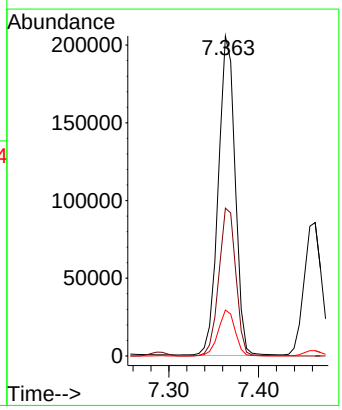


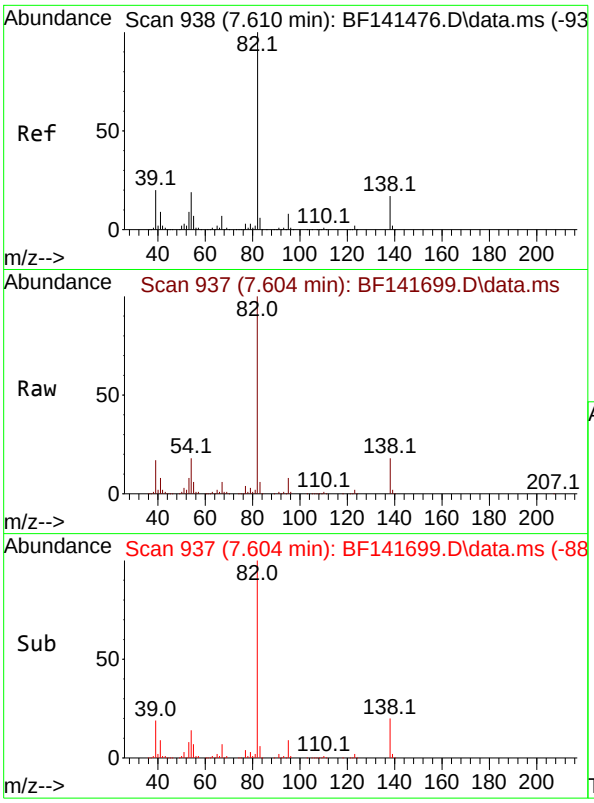


#24
Nitrobenzene
Concen: 43.194 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 77 Resp: 268663

Ion	Ratio	Lower	Upper
77	100		
123	46.2	36.9	55.3
65	14.4	11.9	17.9



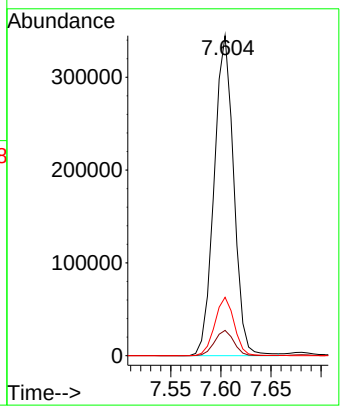


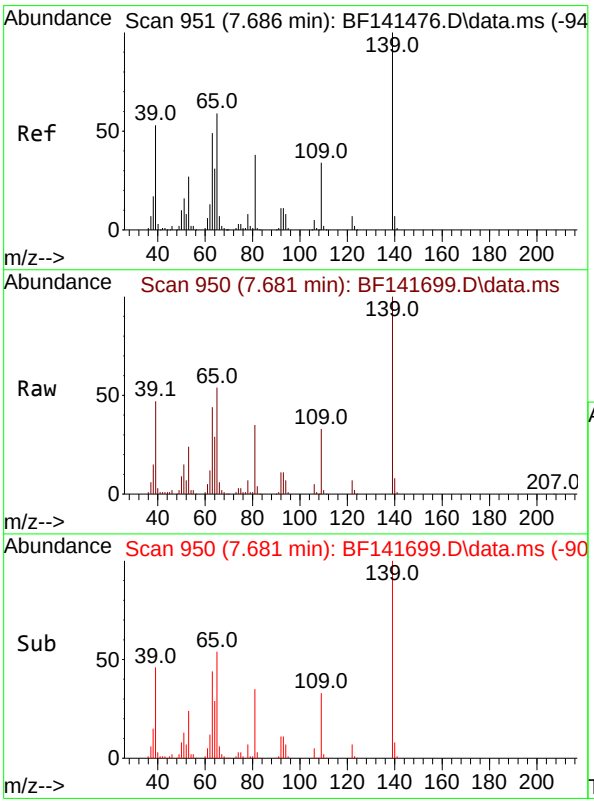
#25
Isophorone
Concen: 46.125 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 82 Resp: 469107

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.3	13.9	20.9

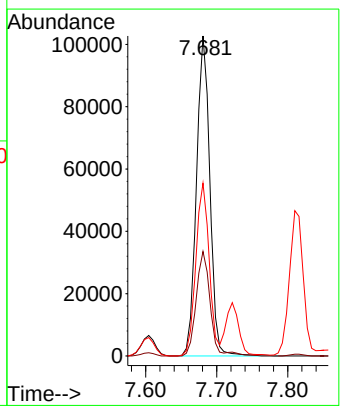


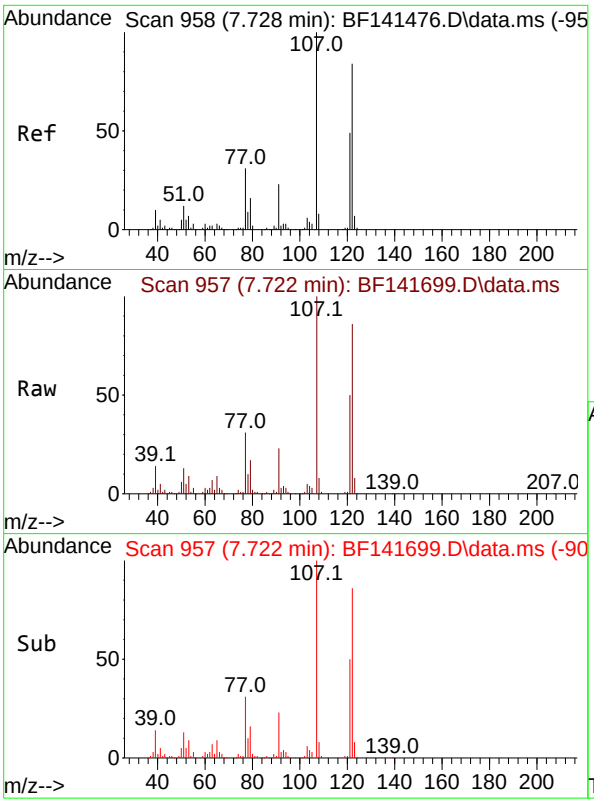


#26
2-Nitrophenol
Concen: 43.749 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:139 Resp: 135380

Ion	Ratio	Lower	Upper
139	100		
109	32.7	27.0	40.6
65	54.0	47.1	70.7



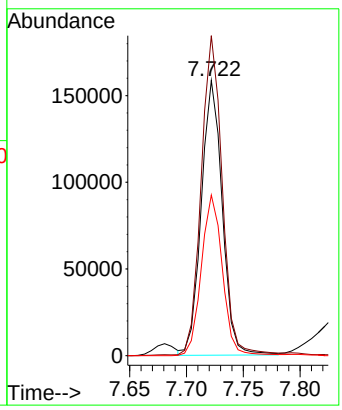


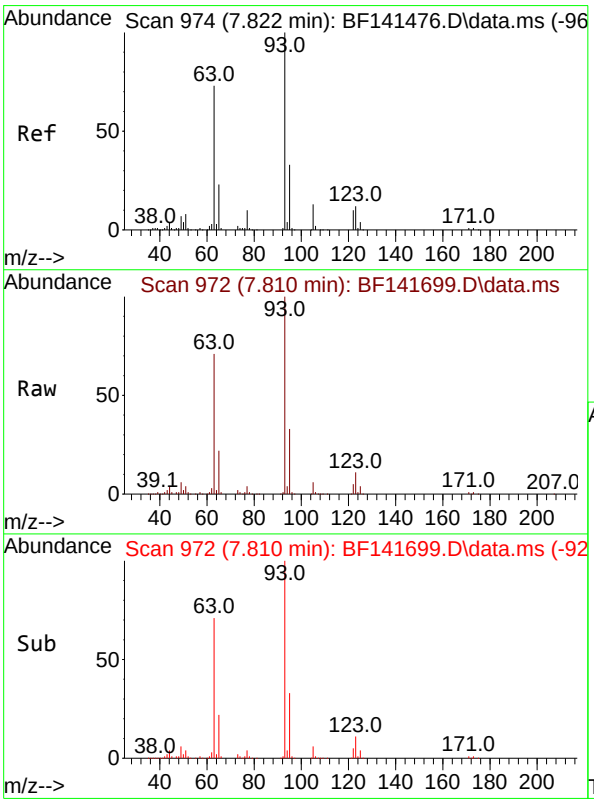
#27
2,4-Dimethylphenol
Concen: 56.260 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:122 Resp: 203384

Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	58.4	46.0	69.0

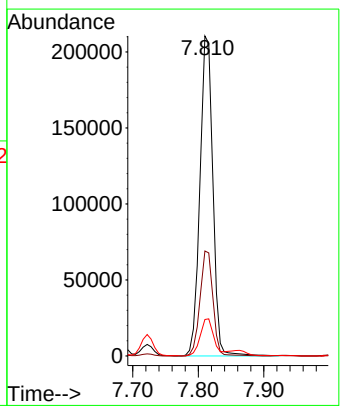


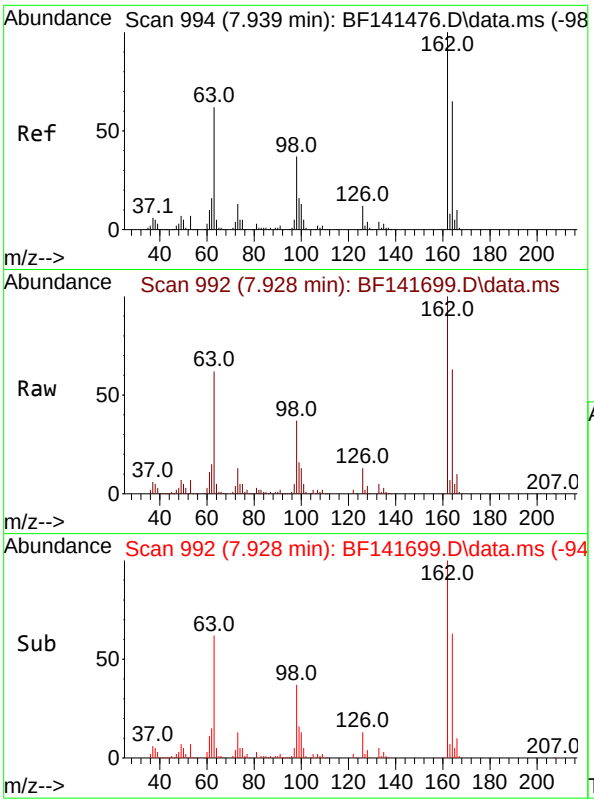


#28
bis(2-Chloroethoxy)methane
Concen: 44.579 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 93 Resp: 290525

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	11.4	9.5	14.3



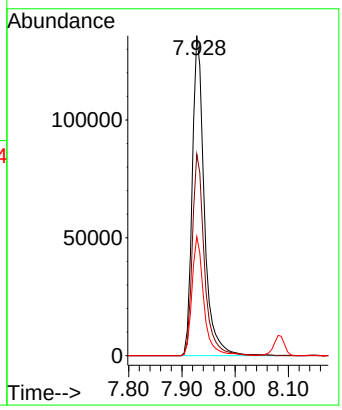


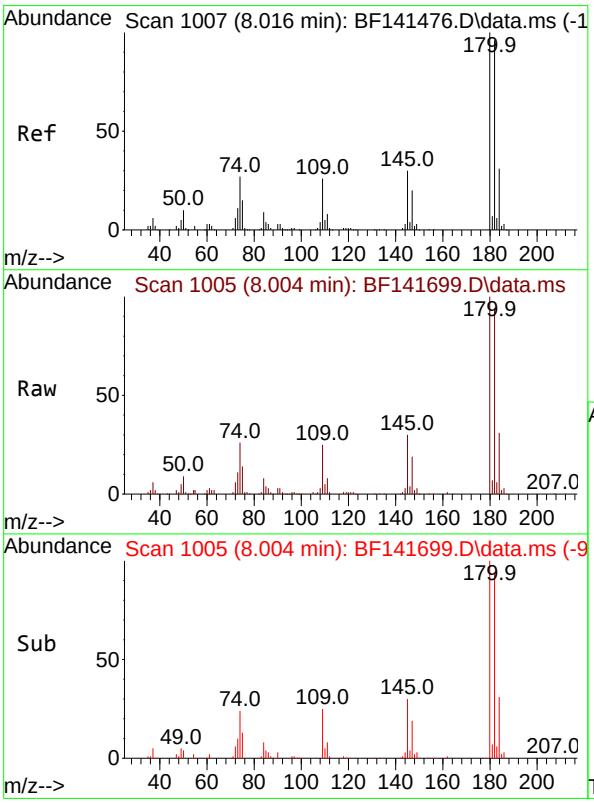
#29
2,4-Dichlorophenol
Concen: 43.790 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:162 Resp: 213890

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.6	84.6
98	37.2	17.2	57.2

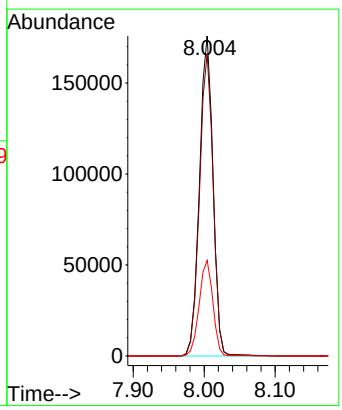


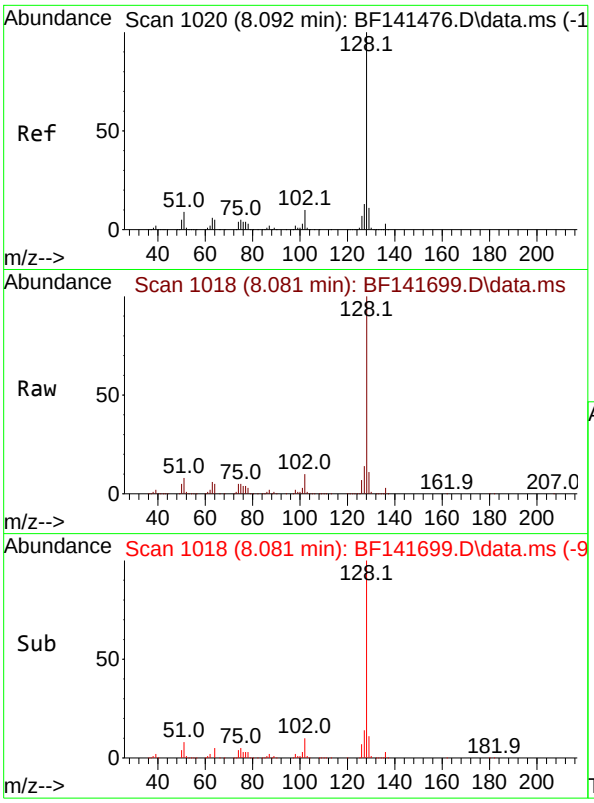


#30
1,2,4-Trichlorobenzene
Concen: 44.020 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:180 Resp: 234145

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.8	115.2
145	29.9	24.2	36.4



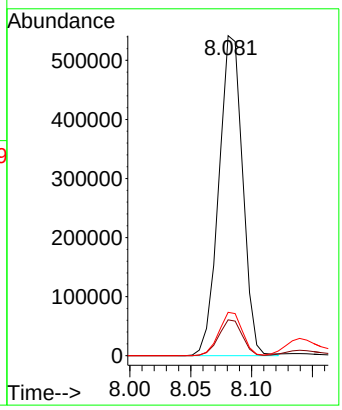


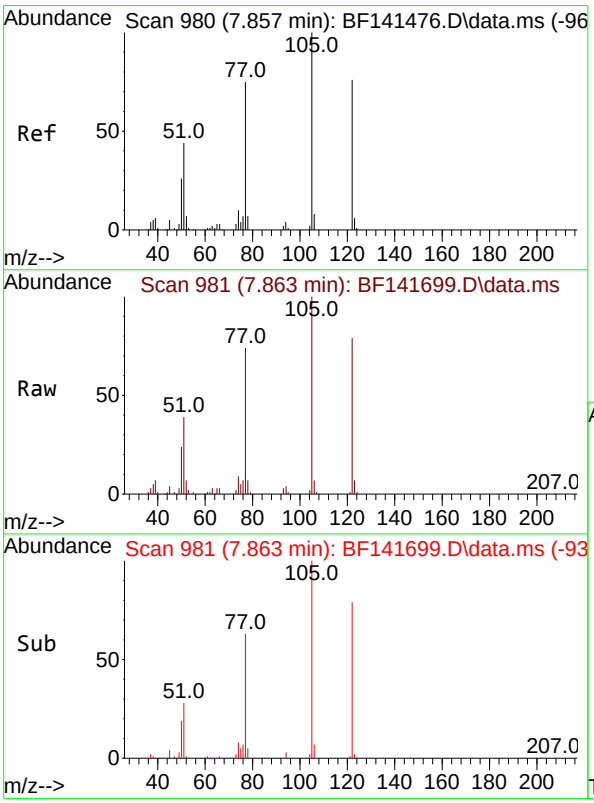
#31
Naphthalene
Concen: 42.568 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:128 Resp: 737197

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.5	10.7	16.1

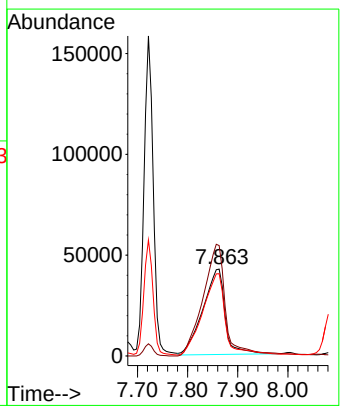


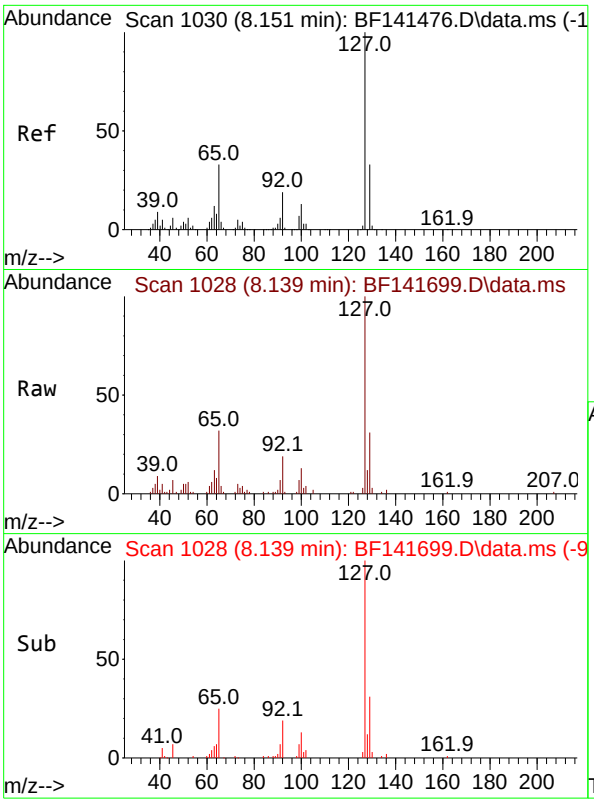


#32
Benzoic acid
Concen: 34.818 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:122 Resp: 130743

Ion	Ratio	Lower	Upper
122	100		
105	127.3	106.5	146.5
77	94.8	76.3	116.3



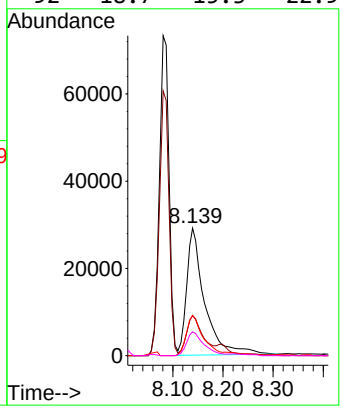


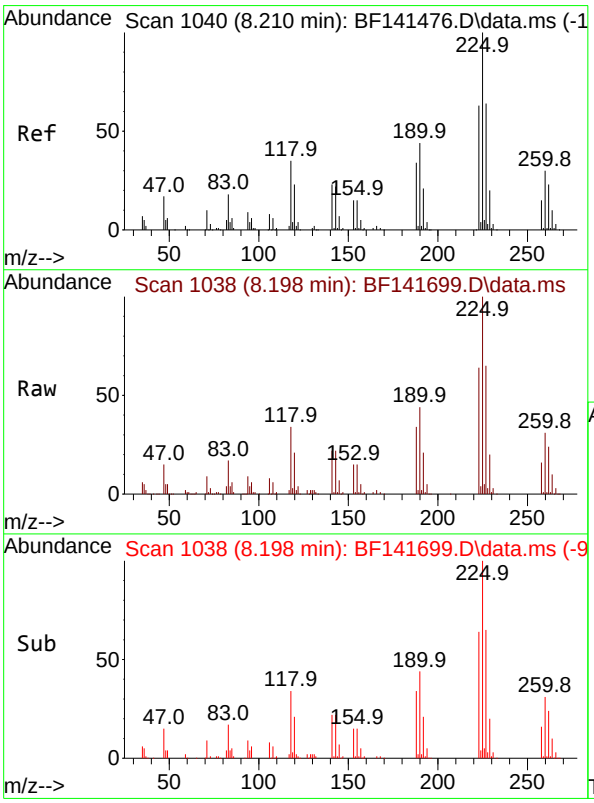
#33
4-Chloroaniline
Concen: 11.970 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:127 Resp: 72372

Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.5	39.7
65	31.6	26.4	39.6
92	18.7	15.3	22.9

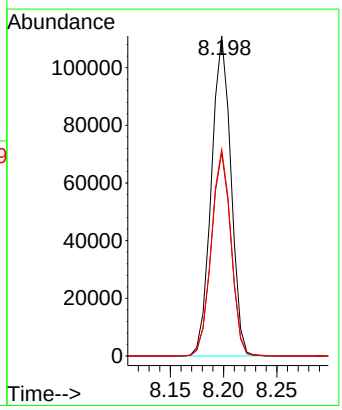


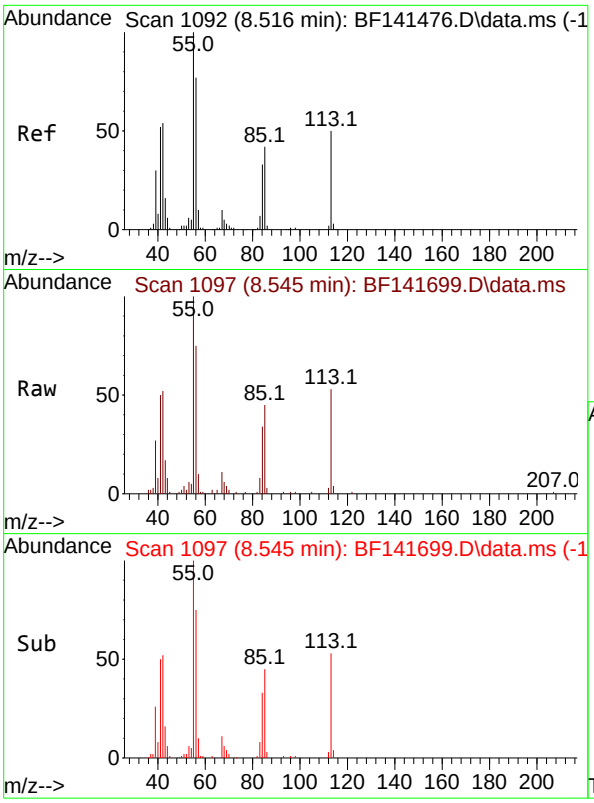


#34
Hexachlorobutadiene
Concen: 44.296 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:225 Resp: 141446

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	64.6	51.0	76.6



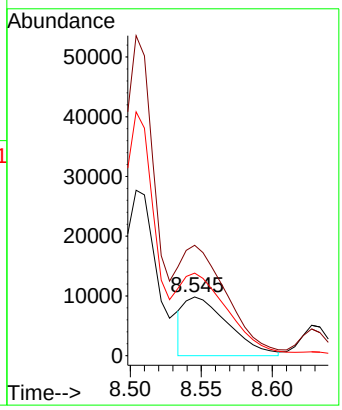


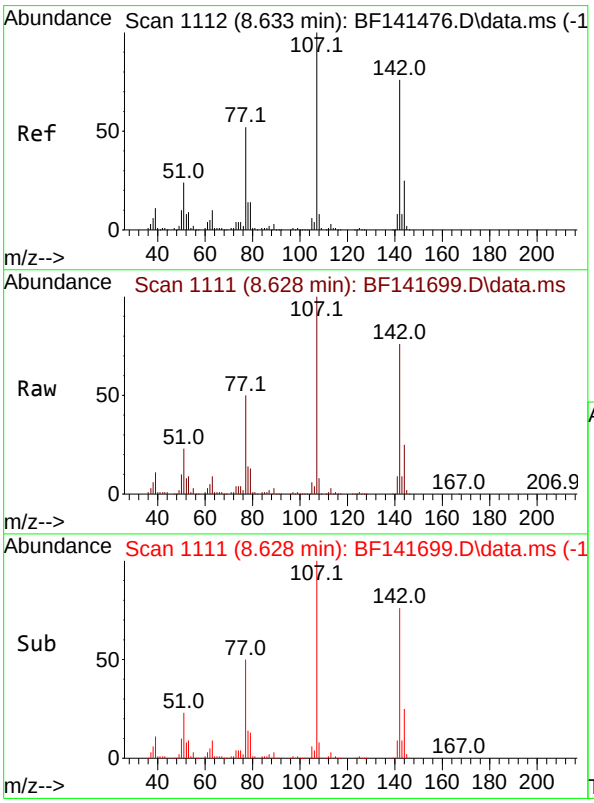
#35
Caprolactam
Concen: 14.230 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:113 Resp: 21162

Ion	Ratio	Lower	Upper
113	100		
55	188.3	180.8	220.8
56	140.9	133.6	173.6

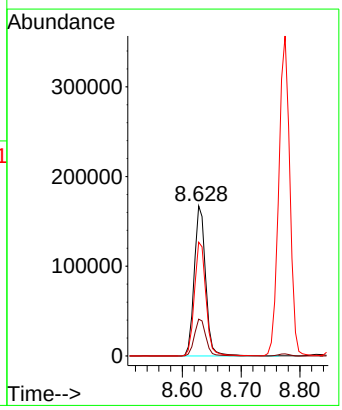


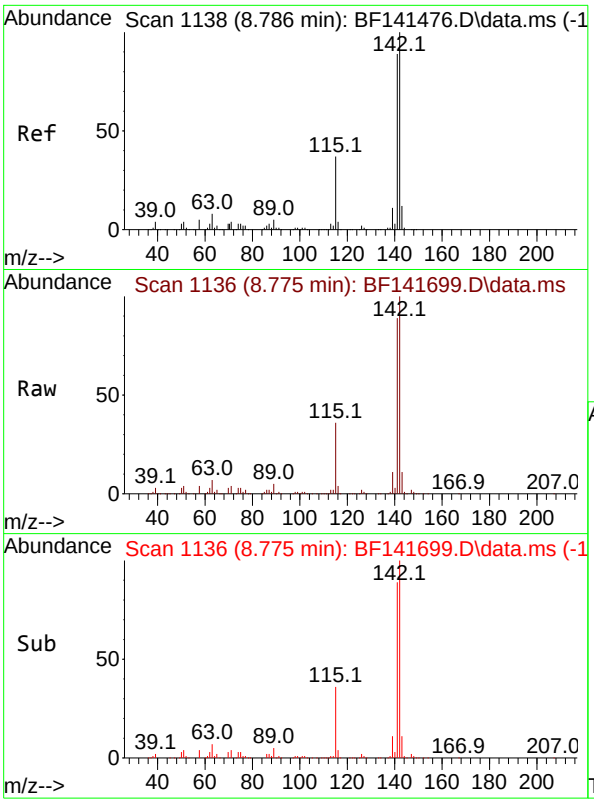


#36
4-Chloro-3-methylphenol
Concen: 41.740 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:107 Resp: 225834

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	75.8	60.8	91.2



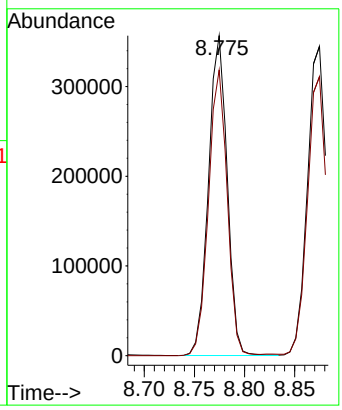


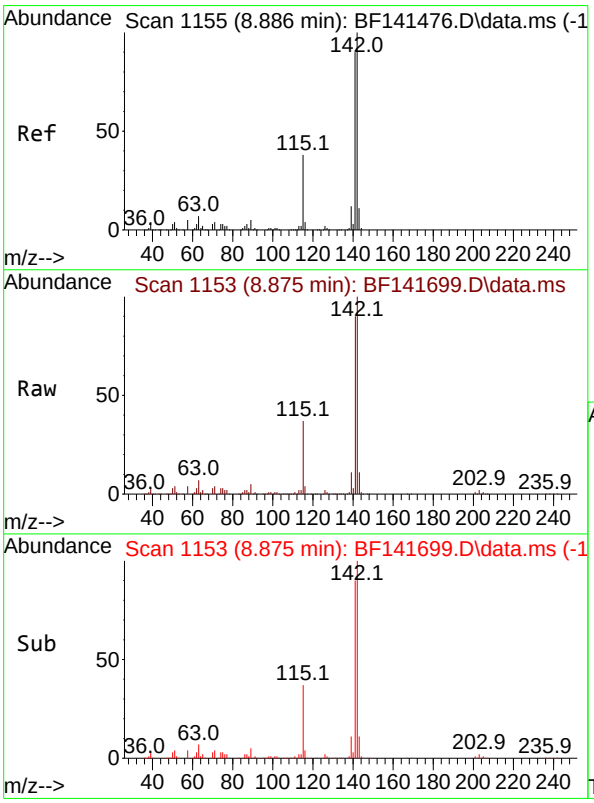
#37
2-Methylnaphthalene
Concen: 41.146 ng
RT: 8.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:142 Resp: 463695

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8

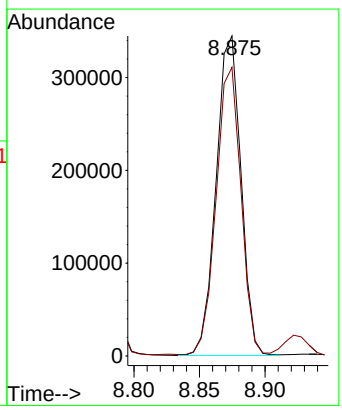


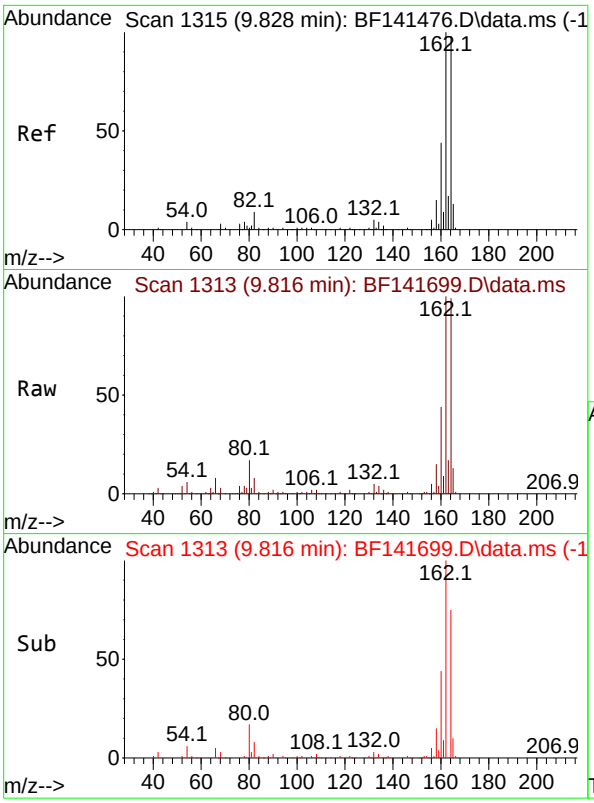


#38
1-Methylnaphthalene
Concen: 41.481 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:142 Resp: 452758

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.1	108.1



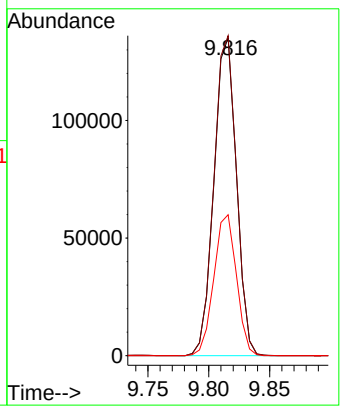


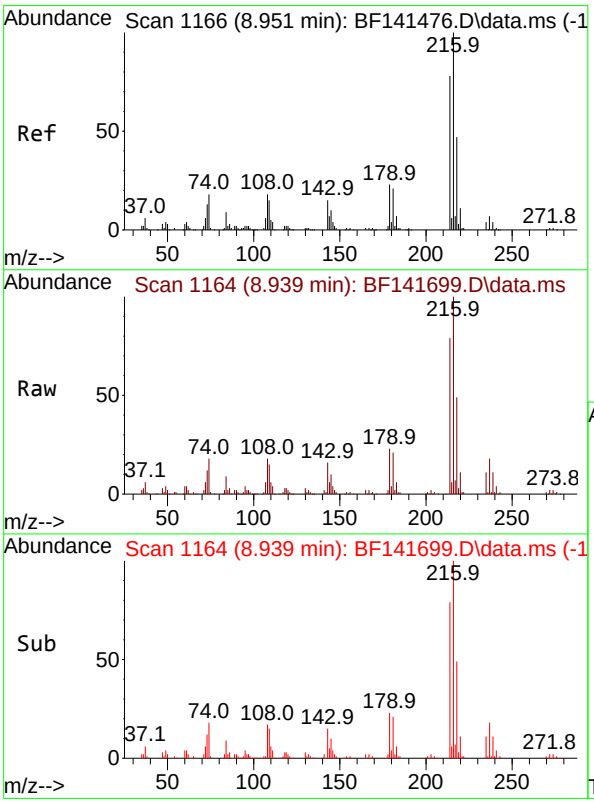
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:164 Resp: 173693

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.3	121.9
160	44.4	35.9	53.9

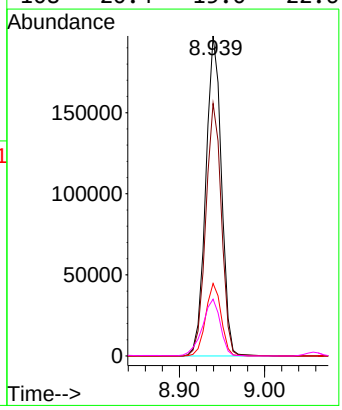


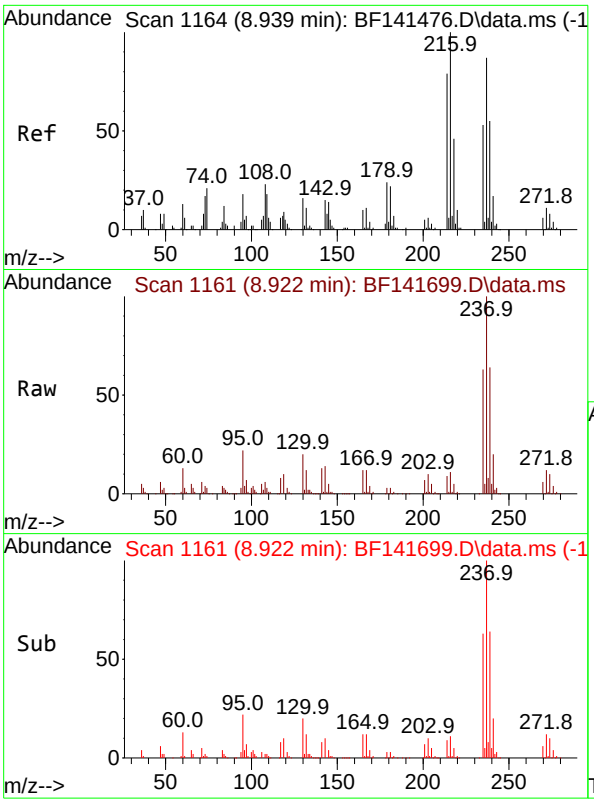


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.039 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:216 Resp: 251455

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.3	93.5
179	22.3	18.0	27.0
108	20.4	15.0	22.6



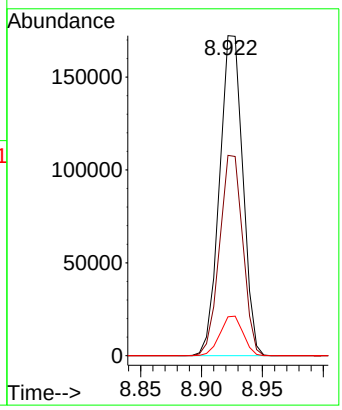


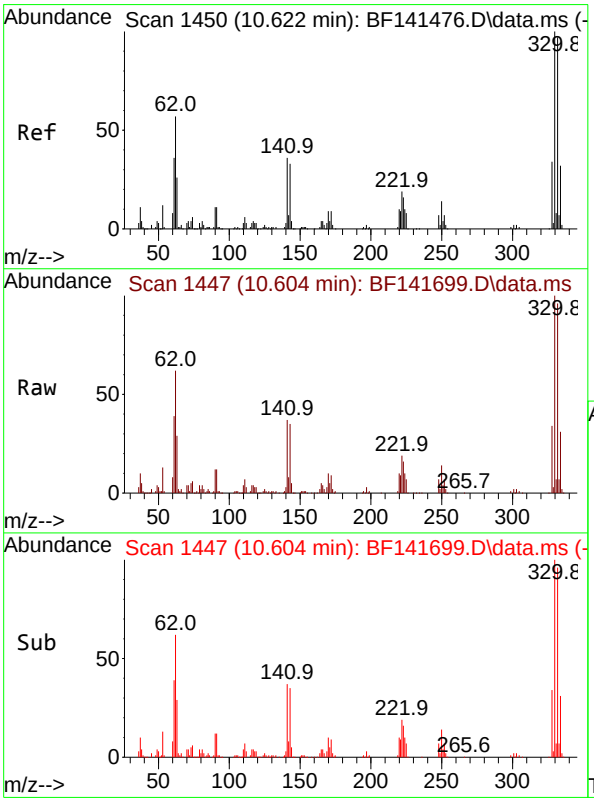
#41
Hexachlorocyclopentadiene
Concen: 137.156 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:237 Resp: 229243

Ion	Ratio	Lower	Upper
237	100		
235	62.6	41.4	81.4
272	12.1	0.0	32.4

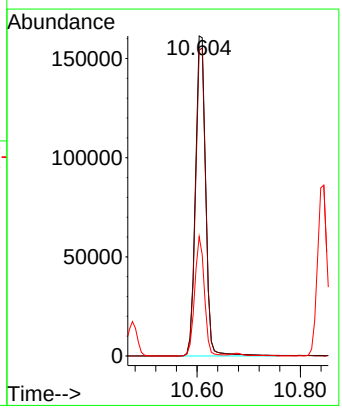


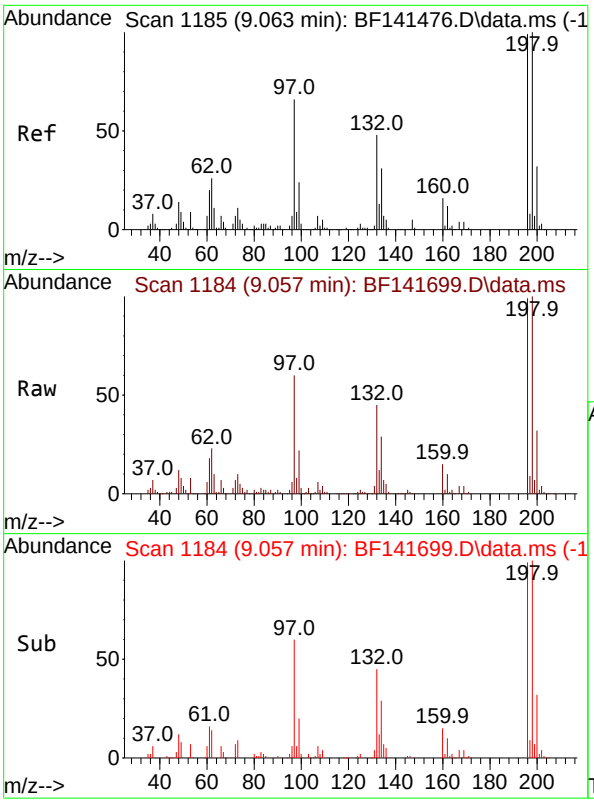


#42
2,4,6-Tribromophenol
Concen: 126.990 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:330 Resp: 221575

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	35.4	31.0	46.4



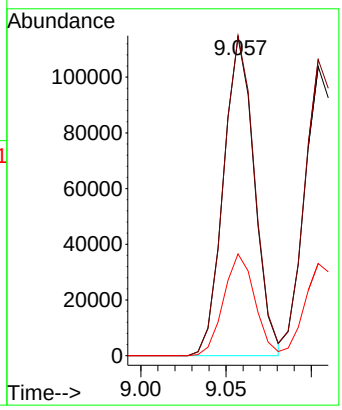


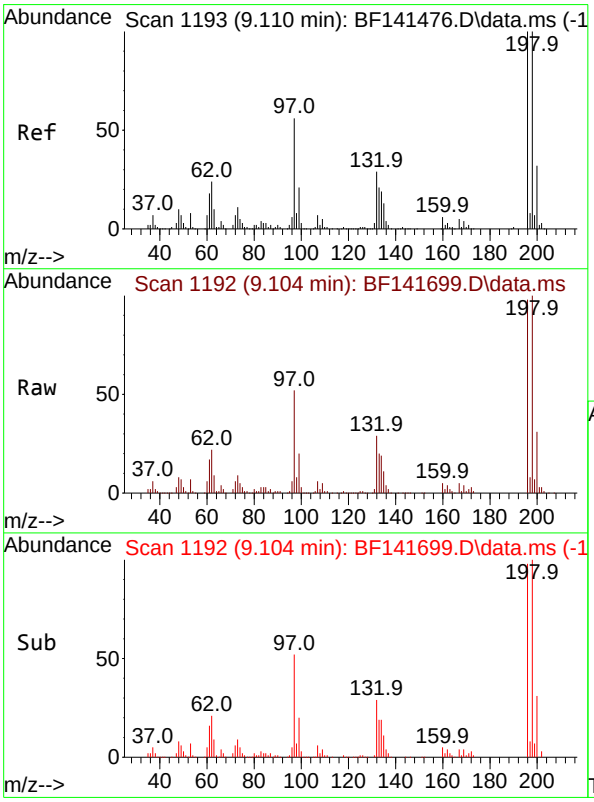
#43
2,4,6-Trichlorophenol
Concen: 44.416 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:196 Resp: 144254

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.6	121.0
200	31.9	25.5	38.3

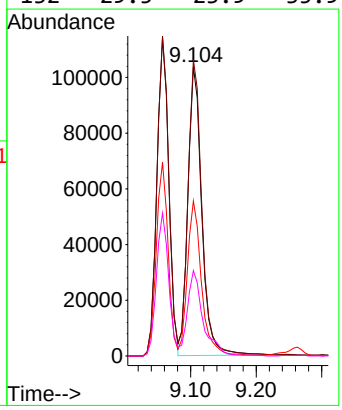


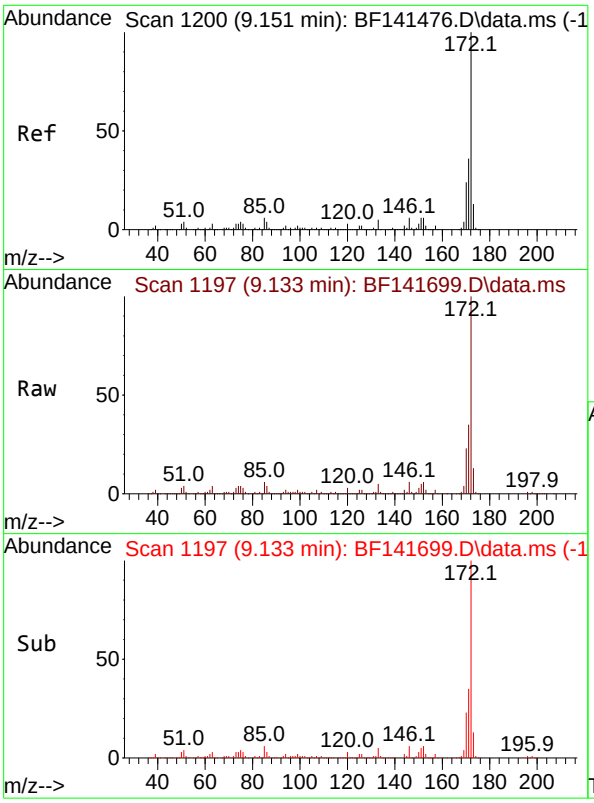


#44
2,4,5-Trichlorophenol
Concen: 43.341 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:196 Resp: 152557

Ion	Ratio	Lower	Upper
196	100		
198	102.4	79.8	119.8
97	53.6	44.8	67.2
132	29.5	23.9	35.9



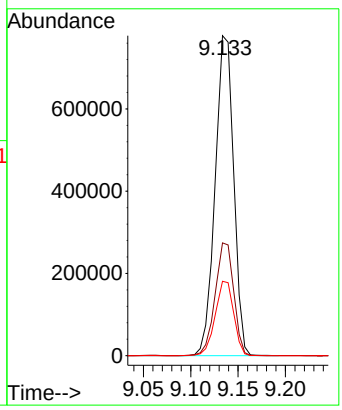


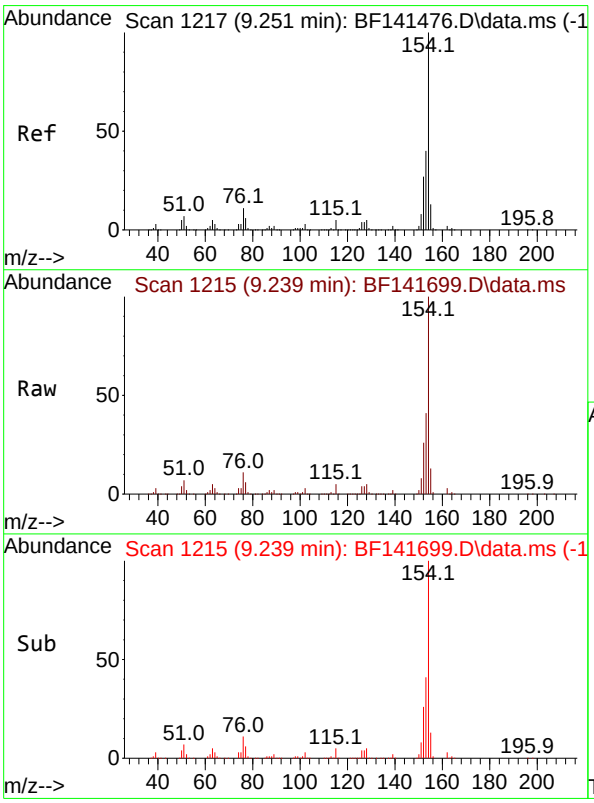
#45
2-Fluorobiphenyl
Concen: 94.088 ng
RT: 9.133 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:172 Resp: 1060752

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.3	18.9	28.3

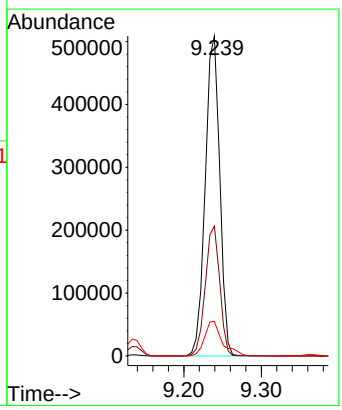


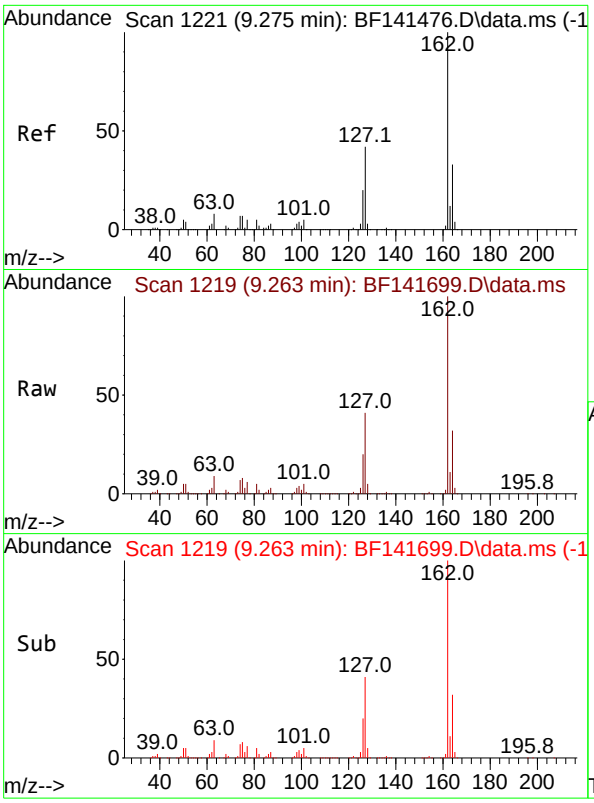


#46
1,1'-Biphenyl
Concen: 49.026 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:154 Resp: 660188

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	10.8	0.0	30.8



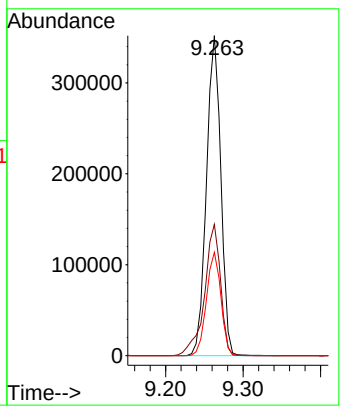


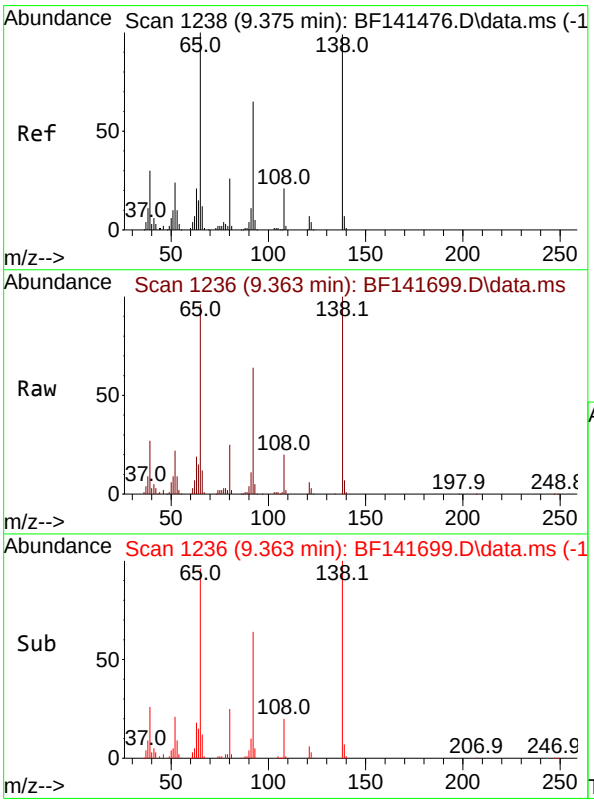
#47
2-Chloronaphthalene
Concen: 45.450 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:162 Resp: 452576

Ion	Ratio	Lower	Upper
162	100		
127	41.1	34.1	51.1
164	32.3	26.3	39.5

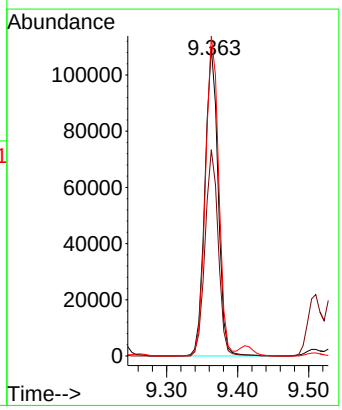


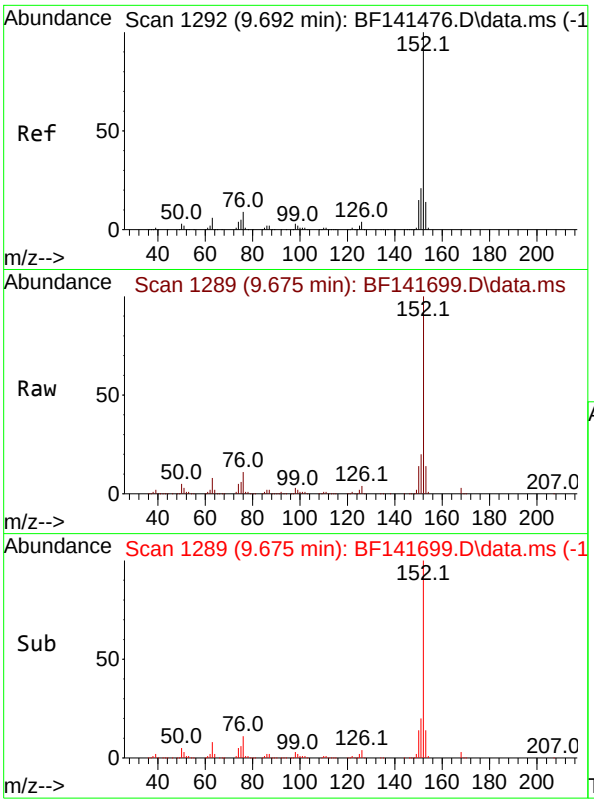


#48
2-Nitroaniline
Concen: 42.546 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion: 65 Resp: 142181

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.2	78.2
138	103.7	79.5	119.3



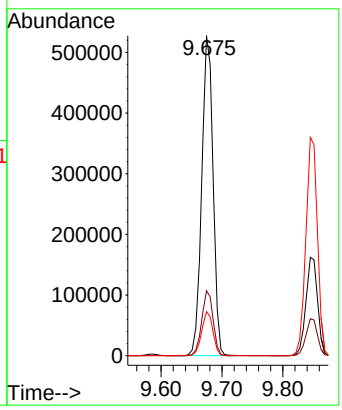


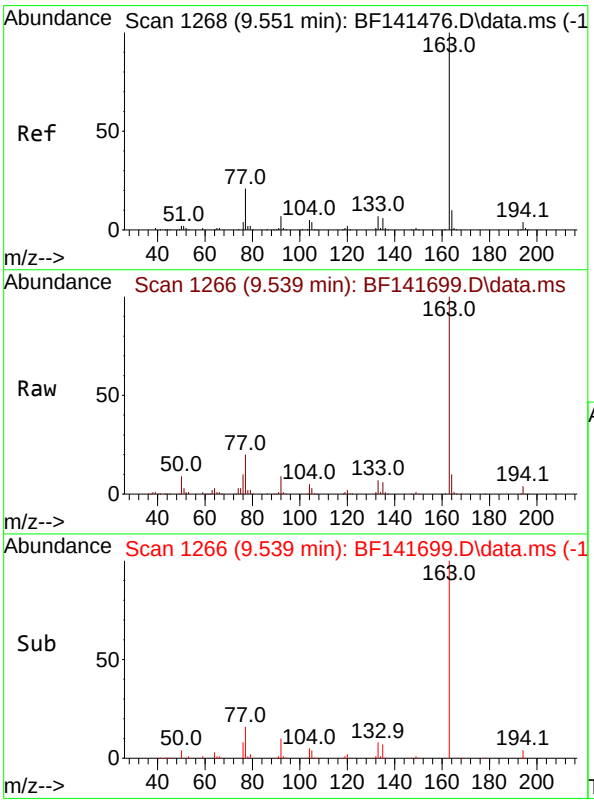
#49
Acenaphthylene
Concen: 46.115 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:152 Resp: 683006

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.8	10.9	16.3

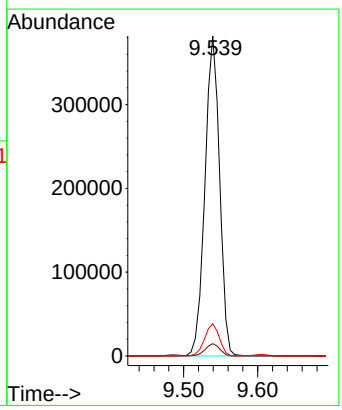


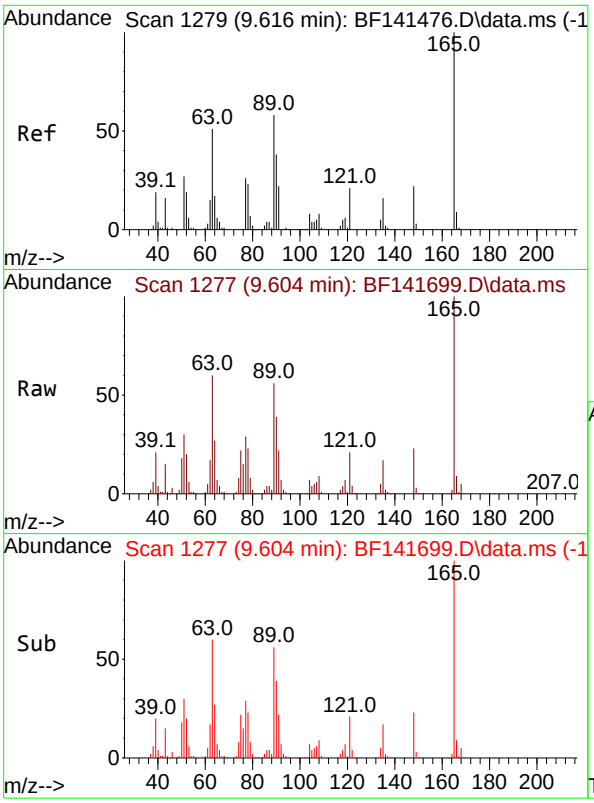


#50
Dimethylphthalate
Concen: 44.521 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:163 Resp: 524971

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.0	7.9	11.9



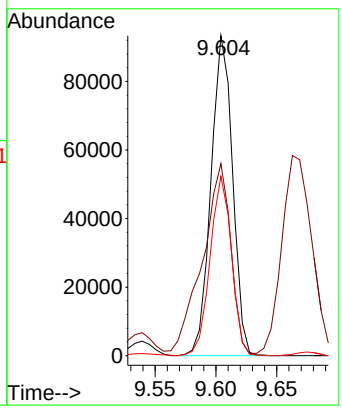


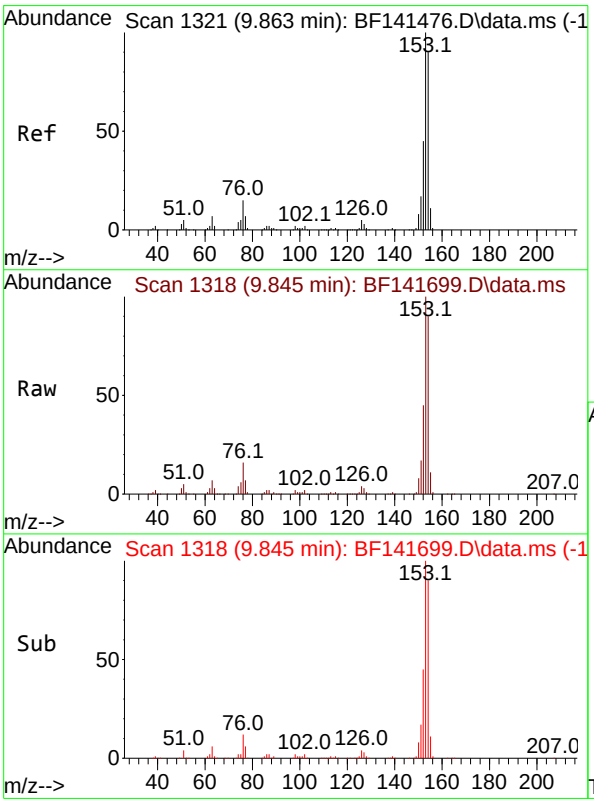
#51
2,6-Dinitrotoluene
Concen: 44.666 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:165 Resp: 115137

Ion	Ratio	Lower	Upper
165	100		
63	60.0	49.4	74.0
89	56.0	46.5	69.7

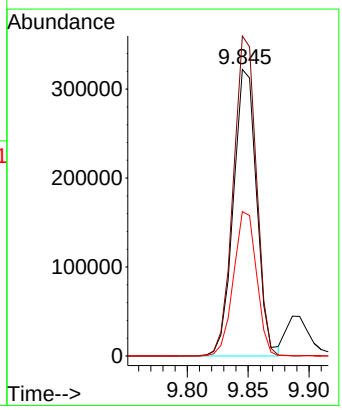


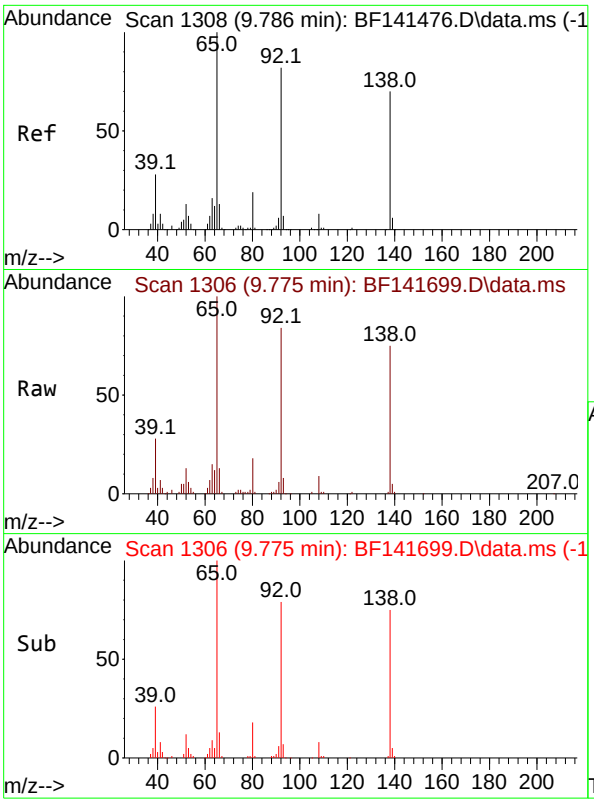


#52
Acenaphthene
Concen: 43.100 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:154 Resp: 429158

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.2	133.8
152	50.4	39.8	59.8



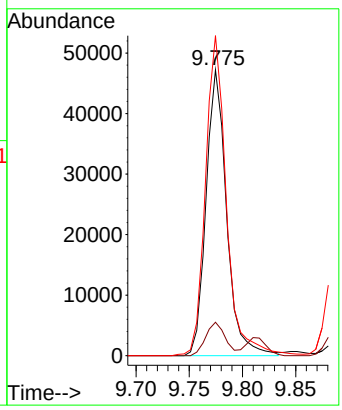


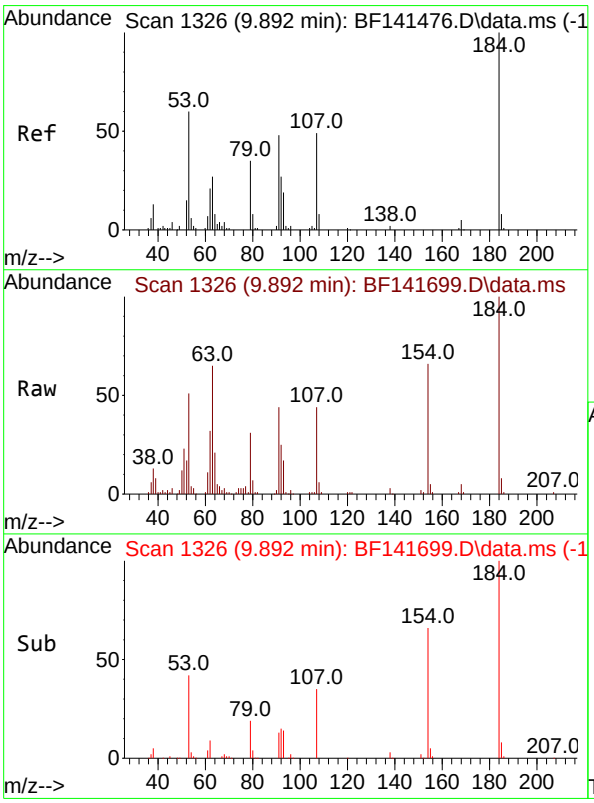
#53
3-Nitroaniline
Concen: 22.915 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:138 Resp: 63575

Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.0	13.4
92	112.0	93.7	140.5

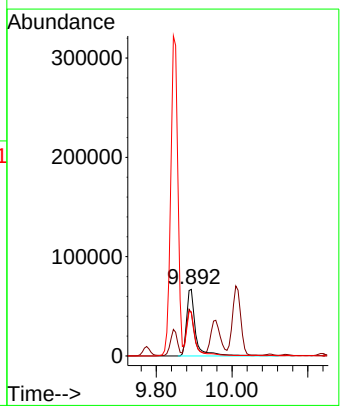


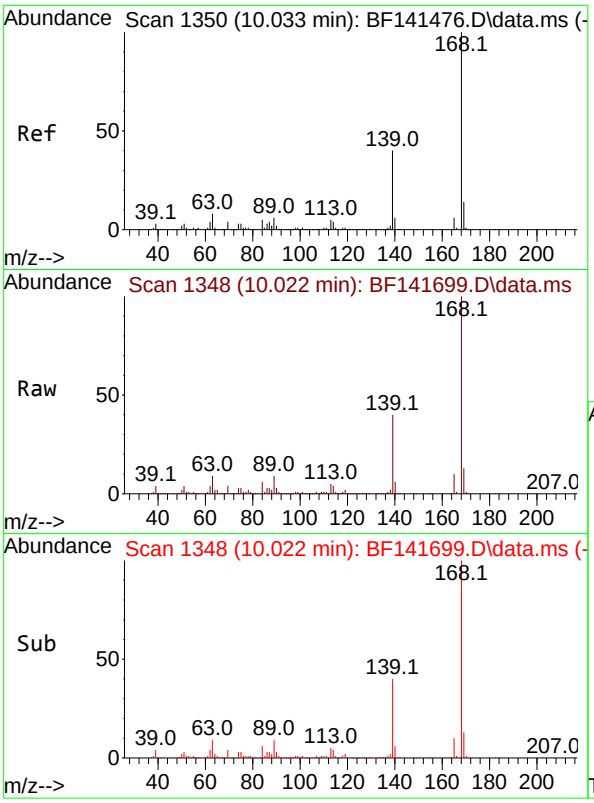


#54
2,4-Dinitrophenol
Concen: 73.018 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:184 Resp: 111864

Ion	Ratio	Lower	Upper
184	100		
63	64.6	61.0	91.6
154	66.3	59.9	89.9



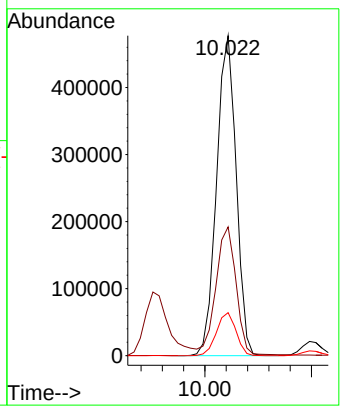


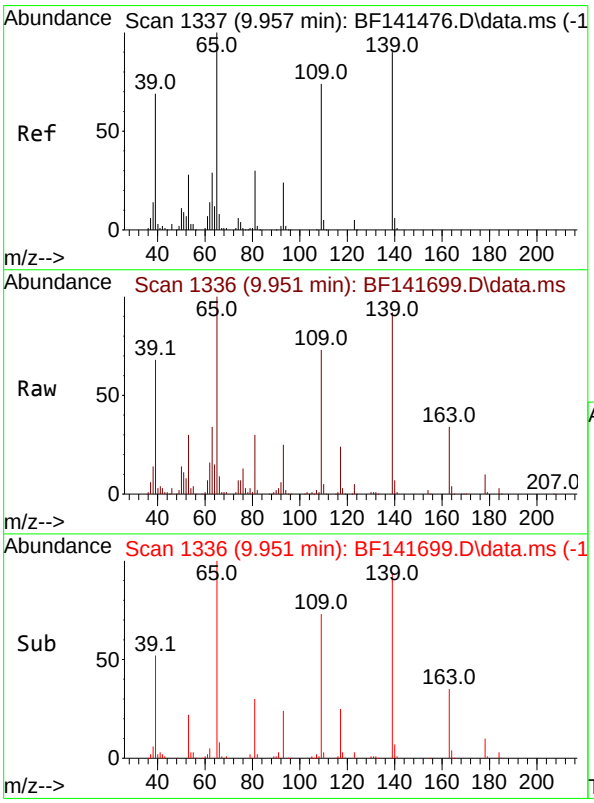
#55
Dibenzofuran
Concen: 41.588 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:168 Resp: 607831

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.7	49.1
169	13.4	10.8	16.2

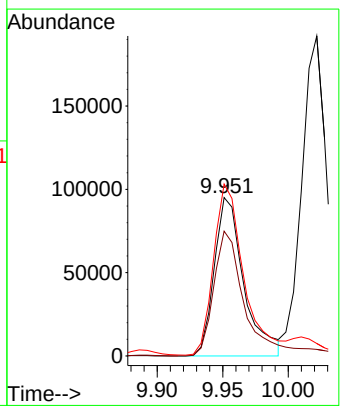


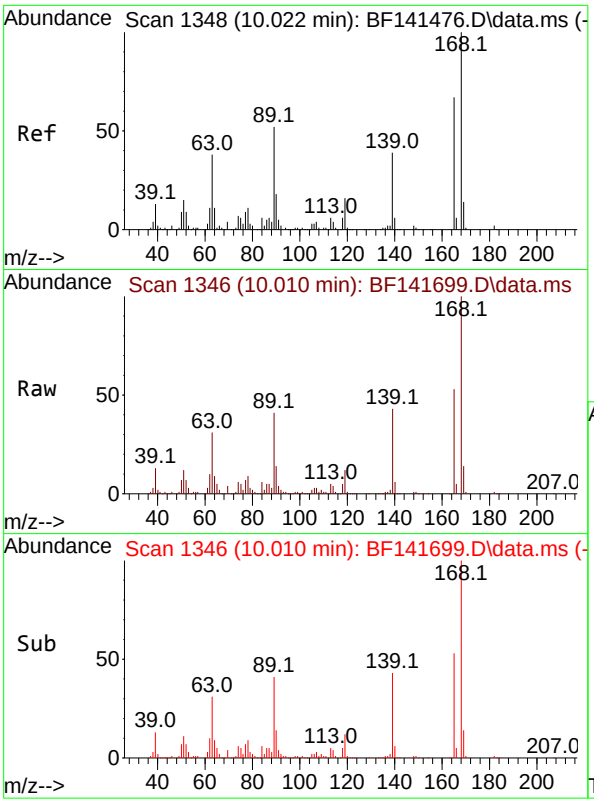


#56
4-Nitrophenol
Concen: 72.322 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:139 Resp: 148950

Ion	Ratio	Lower	Upper
139	100		
109	78.8	62.0	102.0
65	108.6	91.2	131.2



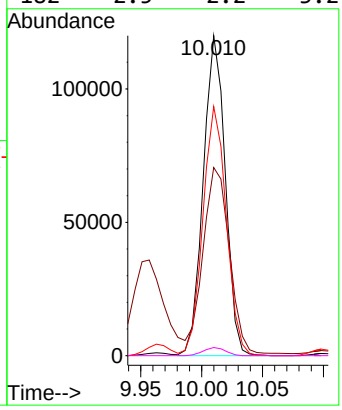


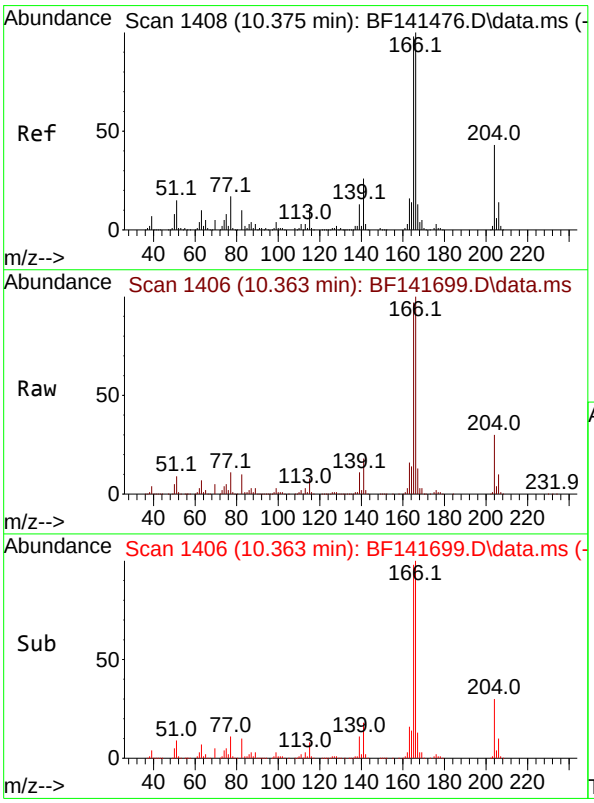
#57
2,4-Dinitrotoluene
Concen: 43.821 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:165 Resp: 150374

Ion	Ratio	Lower	Upper
165	100		
63	58.8	46.4	69.6
89	77.8	61.8	92.6
182	2.5	2.2	3.2

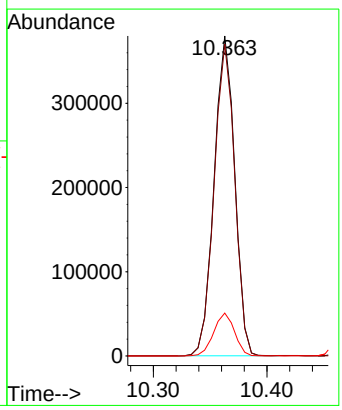


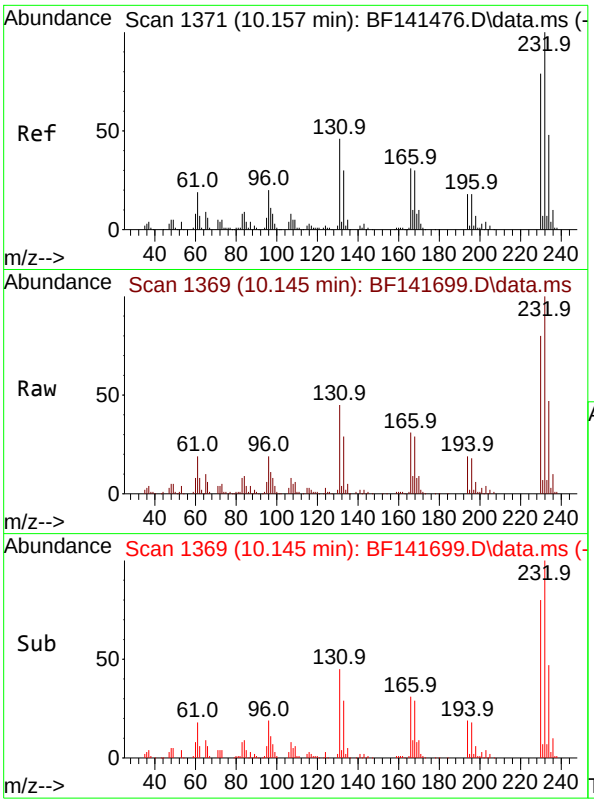


#58
Fluorene
Concen: 42.464 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:166 Resp: 479871

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.4	10.7	16.1



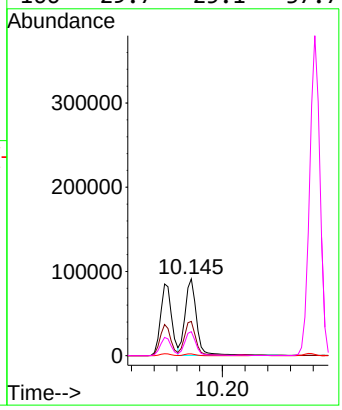


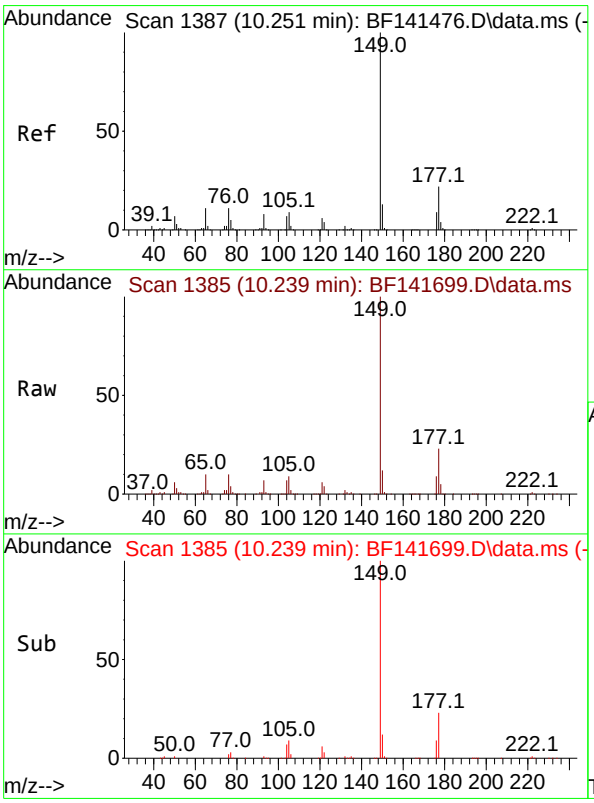
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.961 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:232 Resp: 127160

Ion	Ratio	Lower	Upper
232	100		
131	44.7	39.2	58.8
130	2.3	2.1	3.1
166	29.7	25.1	37.7

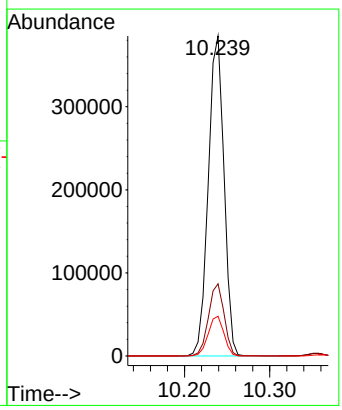


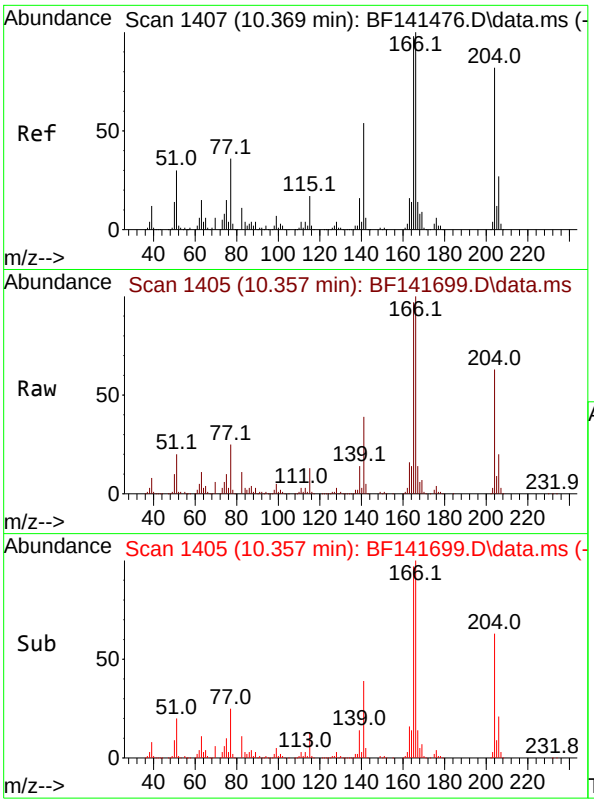


#60
Diethylphthalate
Concen: 42.581 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 494002

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.4	10.1	15.1



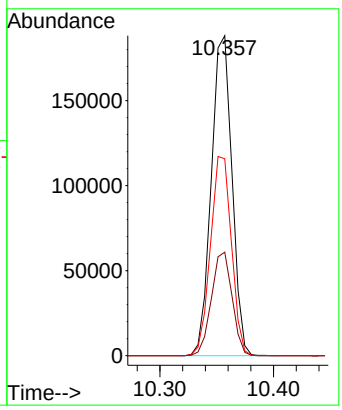


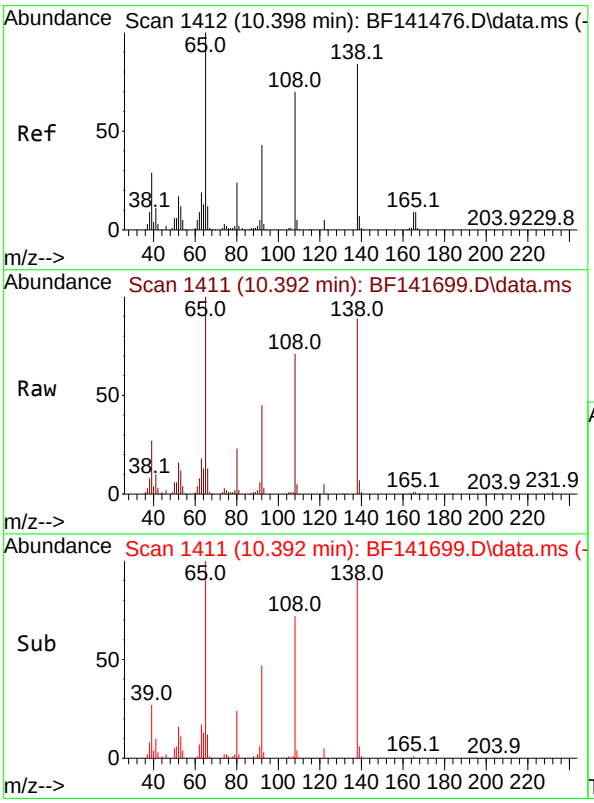
#61
4-Chlorophenyl-phenylether
Concen: 43.877 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:204 Resp: 238542

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	61.5	51.9	77.9

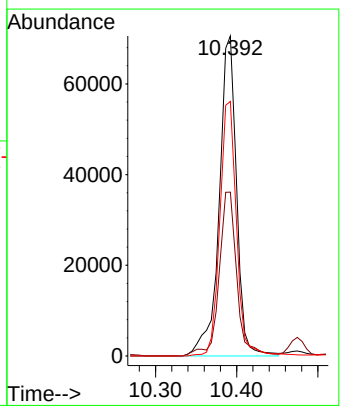


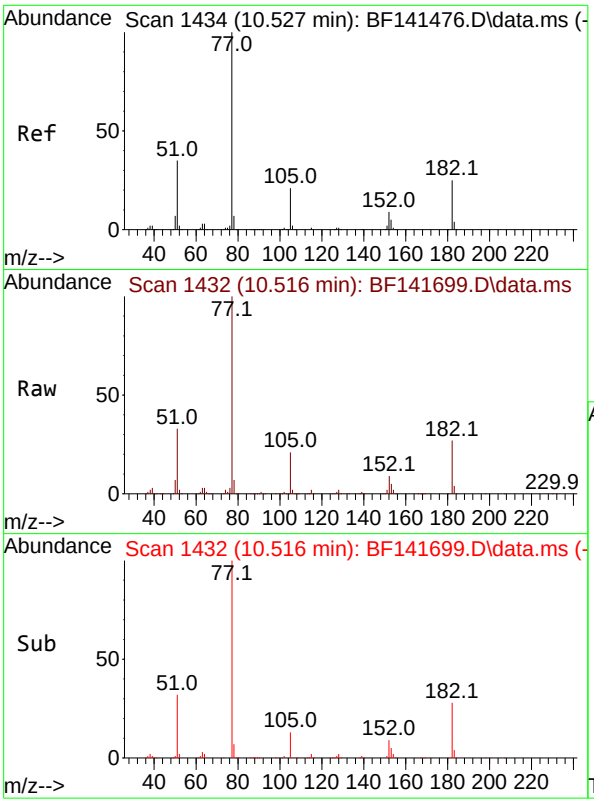


#62
4-Nitroaniline
Concen: 37.360 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:138 Resp: 105249

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.3	71.3
108	79.5	63.7	103.7



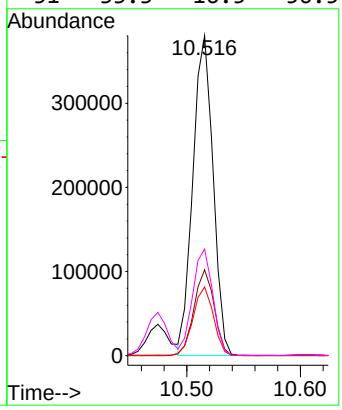


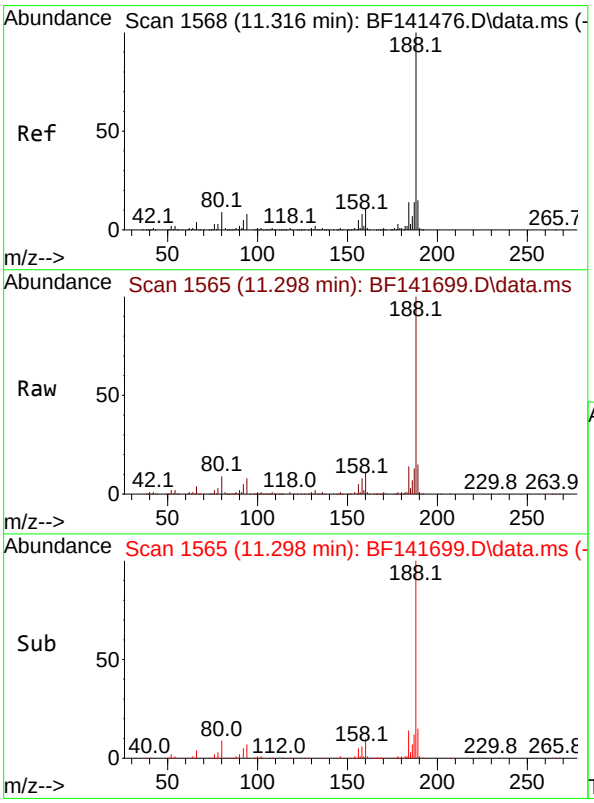
#63
Azobenzene
Concen: 40.757 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion: 77 Resp: 470068

Ion	Ratio	Lower	Upper
77	100		
182	26.9	4.7	44.7
105	21.4	0.4	40.4
51	33.3	16.5	56.5

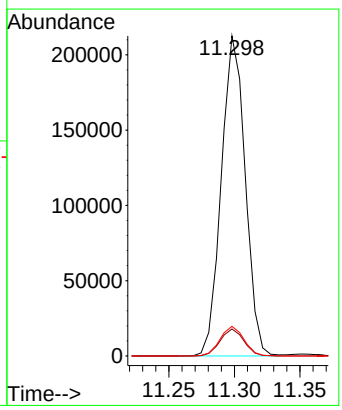


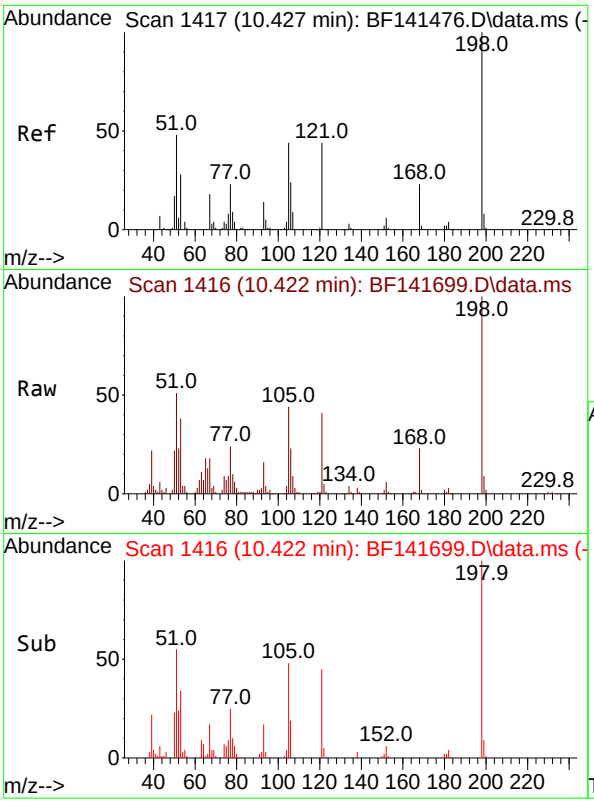


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:188 Resp: 269657

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	9.2	7.3	10.9



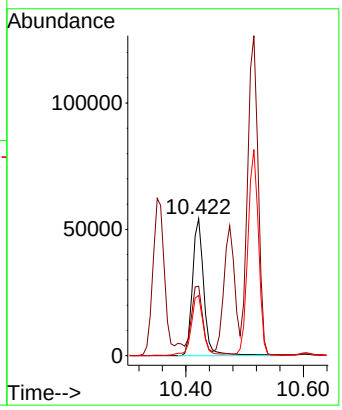


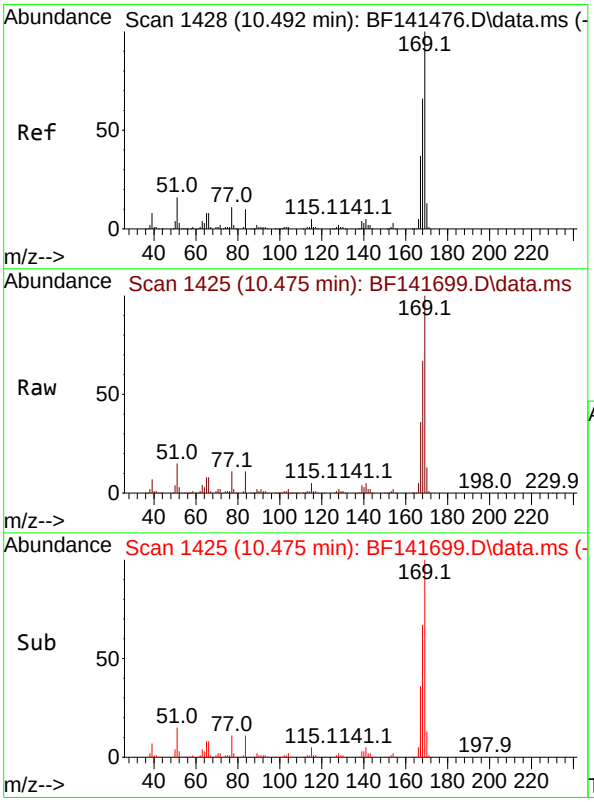
#65
4,6-Dinitro-2-methylphenol
Concen: 39.159 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:198 Resp: 73351

Ion	Ratio	Lower	Upper
198	100		
51	50.7	37.4	77.4
105	44.0	25.2	65.2

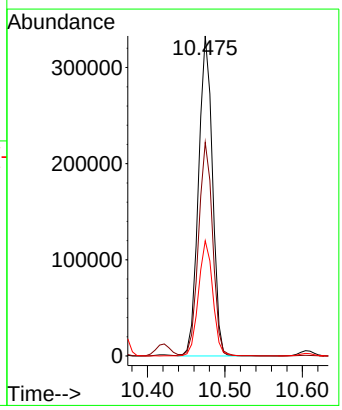


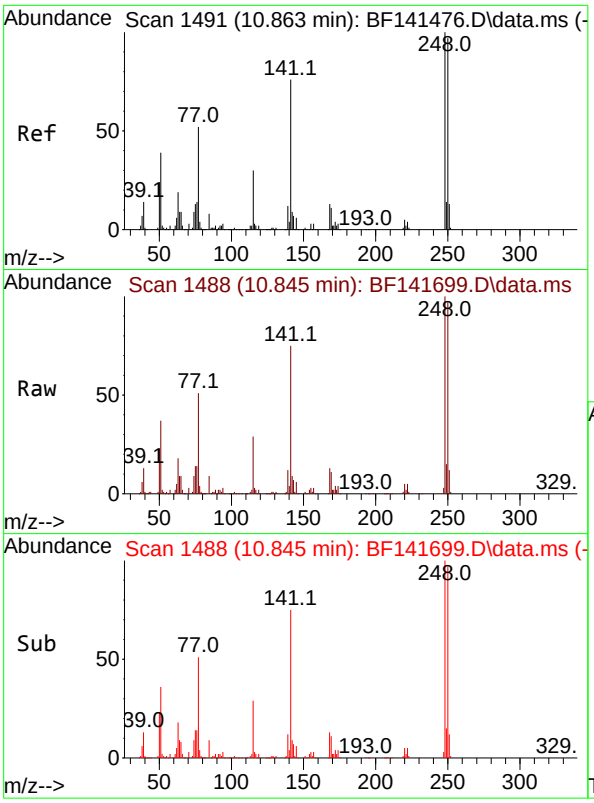


#66
n-Nitrosodiphenylamine
Concen: 48.223 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:169 Resp: 416264

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.3	79.9
167	36.0	29.4	44.2



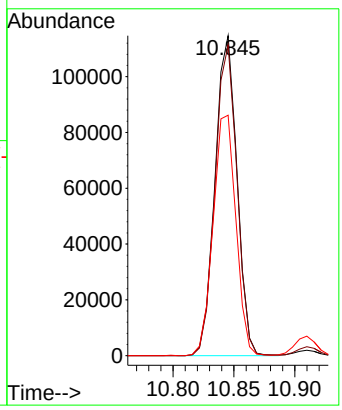


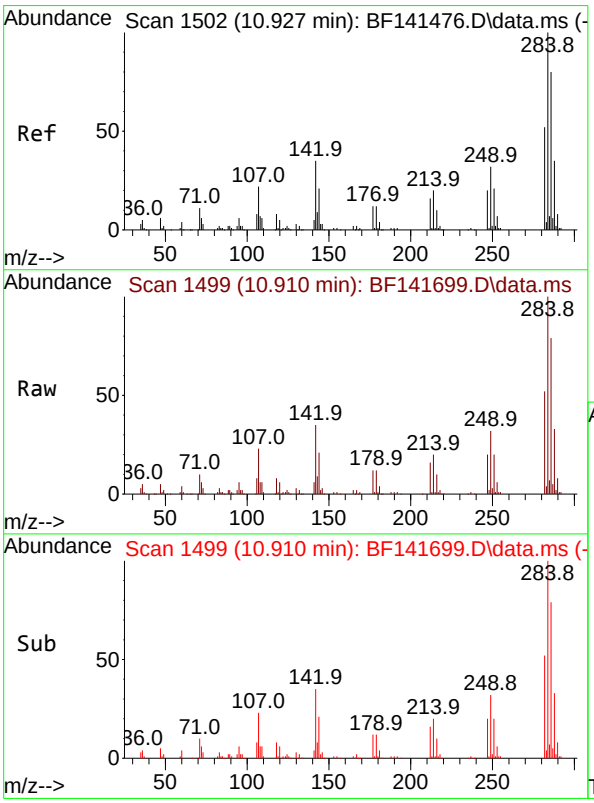
#67
4-Bromophenyl-phenylether
Concen: 47.833 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:248 Resp: 144158

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.6
141	75.1	60.6	90.8

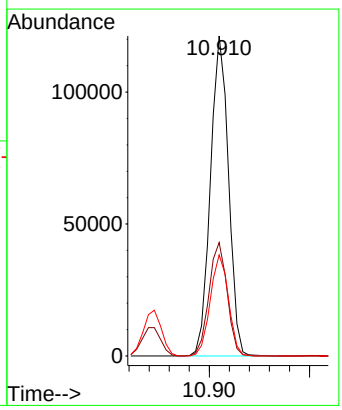


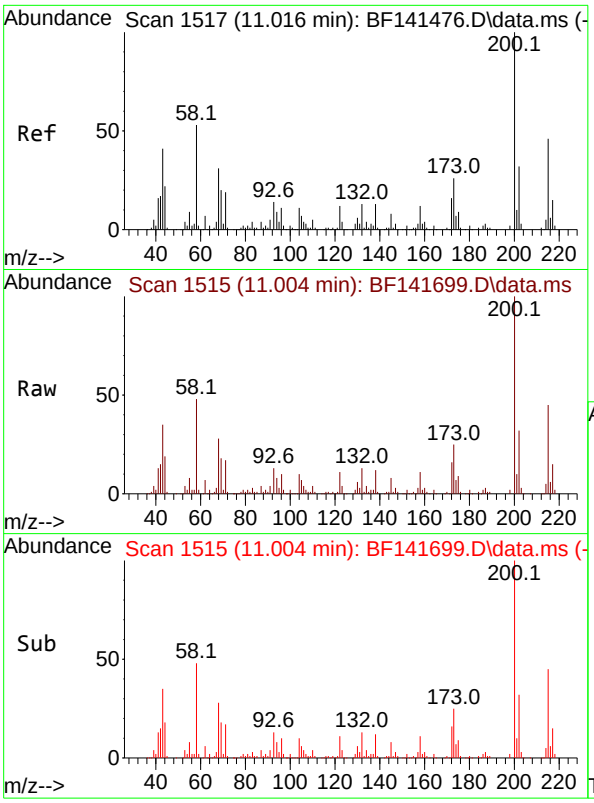


#68
Hexachlorobenzene
Concen: 48.894 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:284 Resp: 151735

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.0	42.0
249	31.6	25.8	38.8



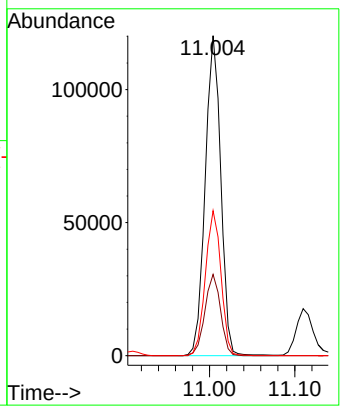


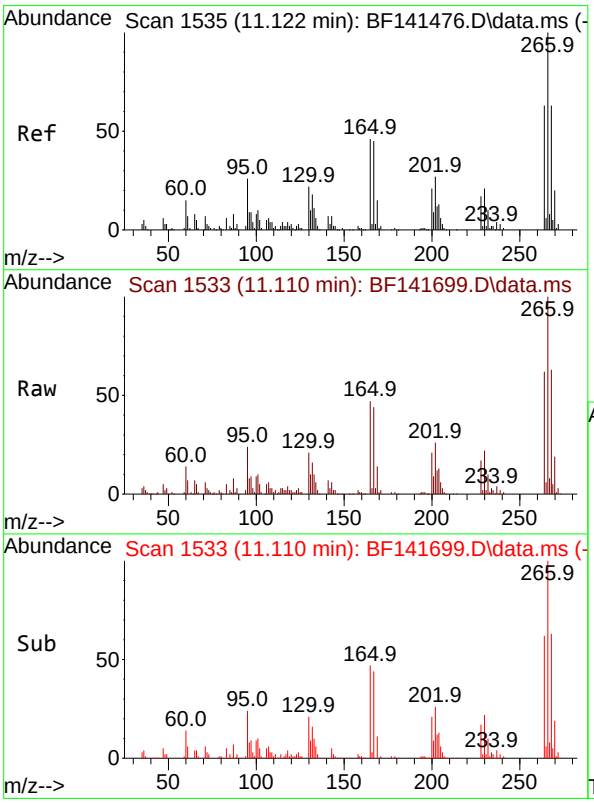
#69
Atrazine
Concen: 59.012 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:200 Resp: 152819

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.9	45.9
215	45.3	25.9	65.9

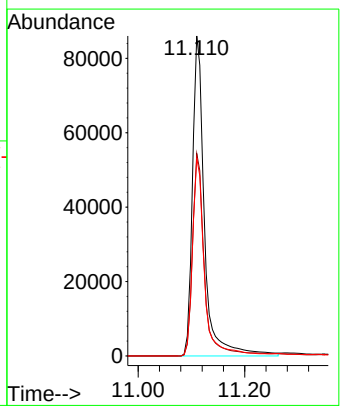


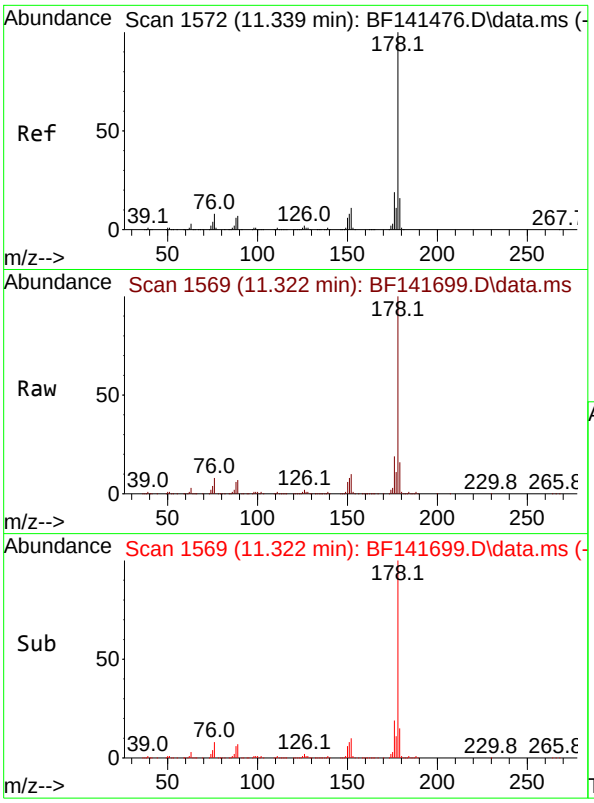


#70
Pentachlorophenol
Concen: 68.120 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:266 Resp: 135174

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.1	75.1
264	61.9	50.1	75.1



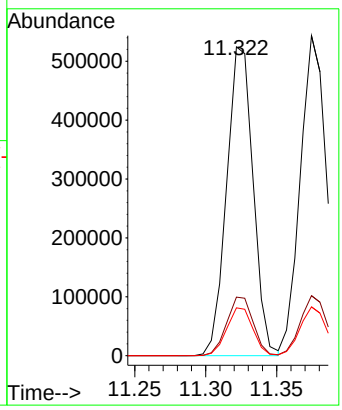


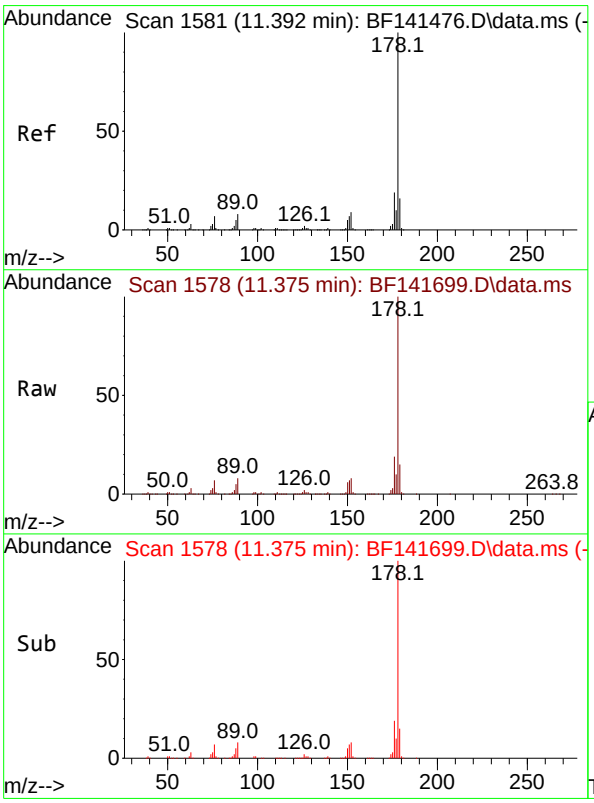
#71
Phenanthrene
Concen: 45.995 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:178 Resp: 682726

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.5	12.4	18.6

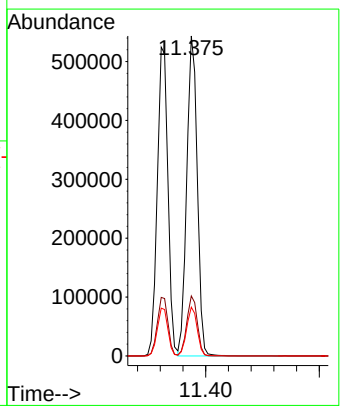


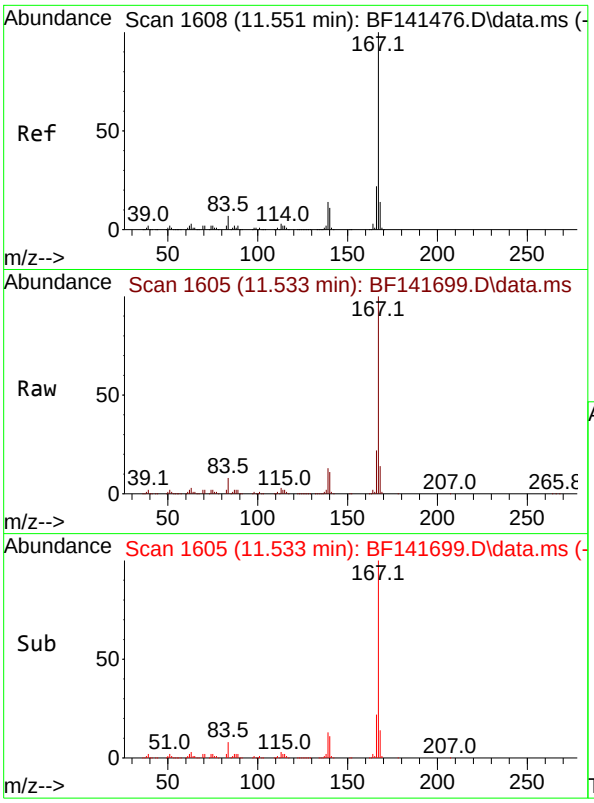


#72
Anthracene
Concen: 46.767 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:178 Resp: 697815

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	15.3	12.4	18.6



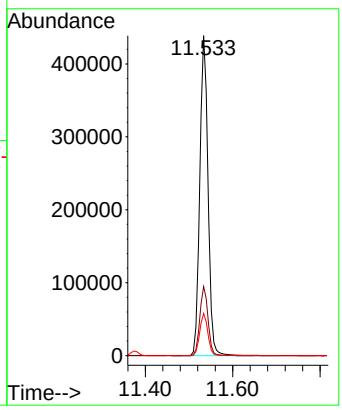


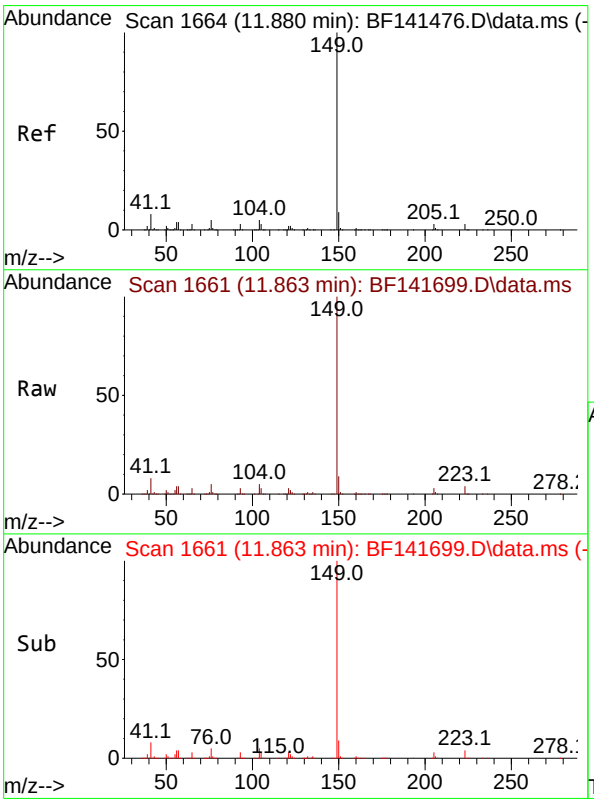
#73
Carbazole
Concen: 42.782 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:167 Resp: 574394

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.2	10.9	16.3

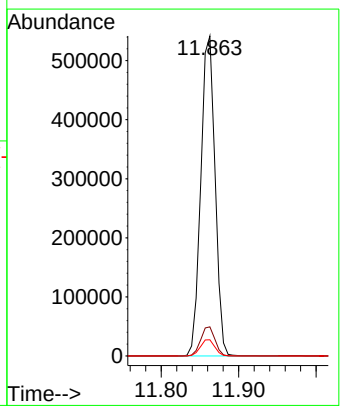


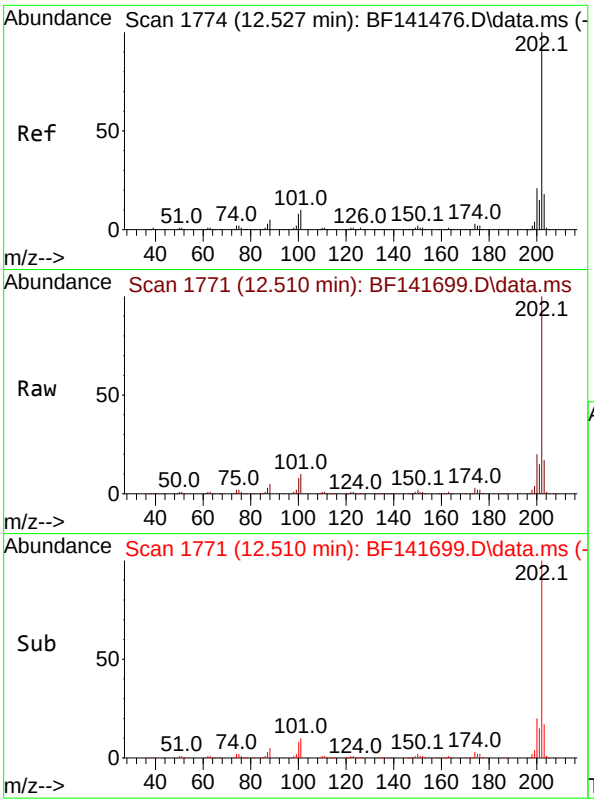


#74
Di-n-butylphthalate
Concen: 44.704 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 693026

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.2	6.2



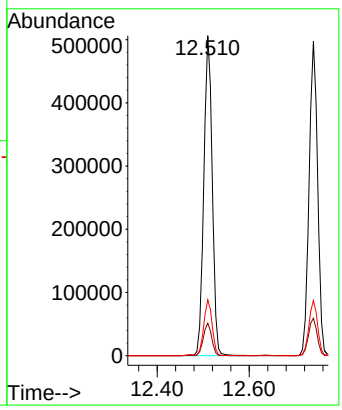


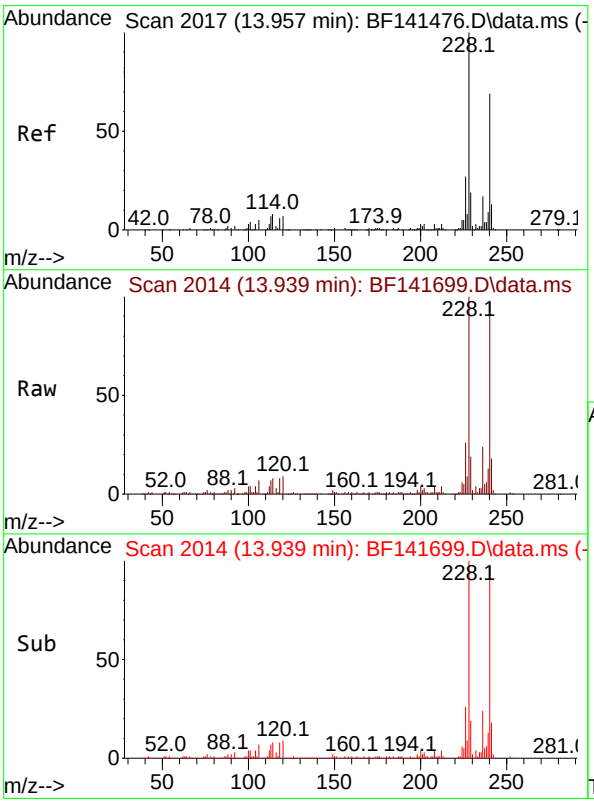
#75
Fluoranthene
Concen: 41.300 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:202 Resp: 649928

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.4	0.0	37.6

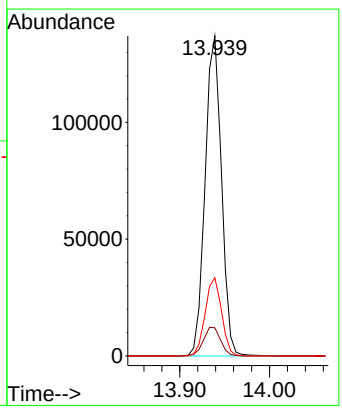


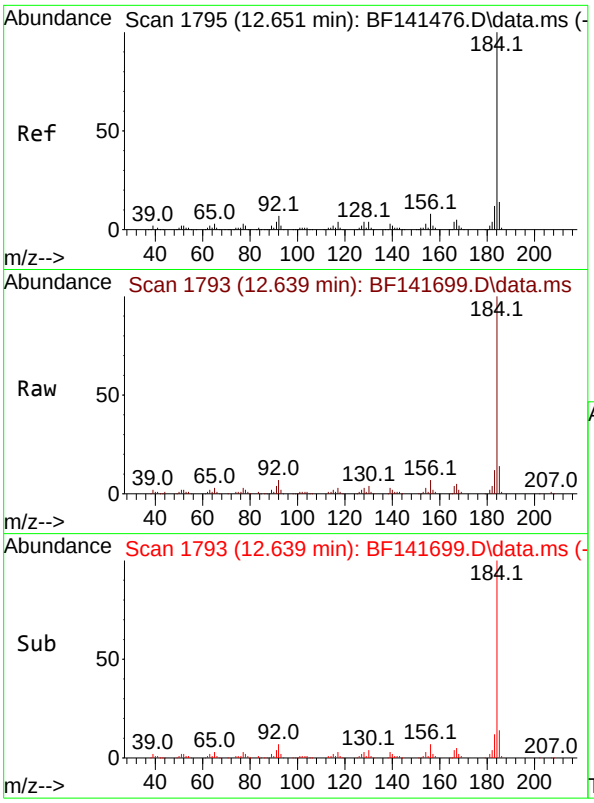


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:240 Resp: 173634

Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.0	12.0
236	24.4	19.8	29.8



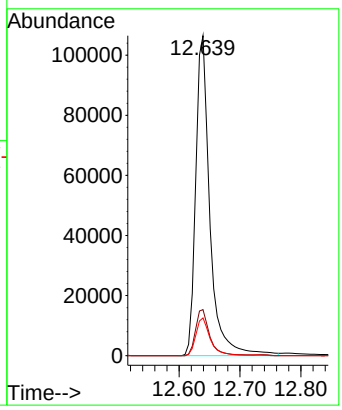


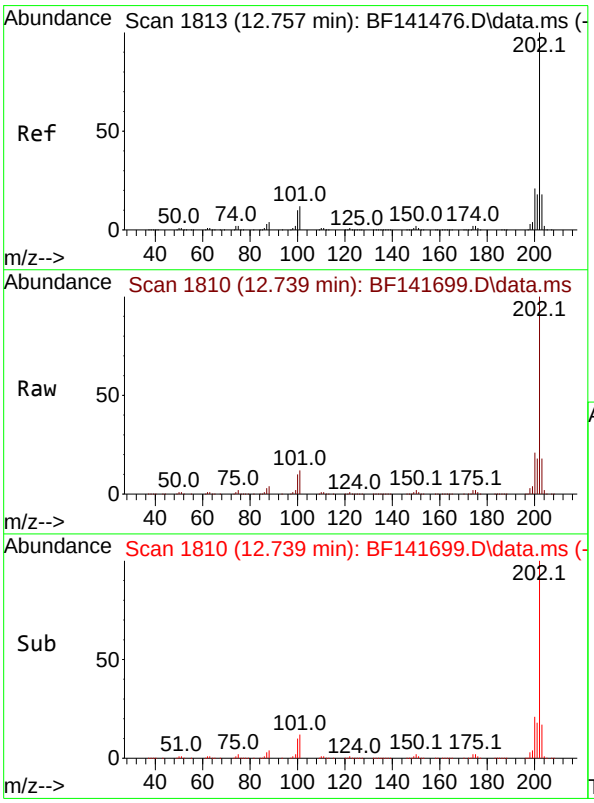
#77
Benzidine
Concen: 45.047 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:184 Resp: 172502

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.3	16.9
183	11.8	9.3	13.9

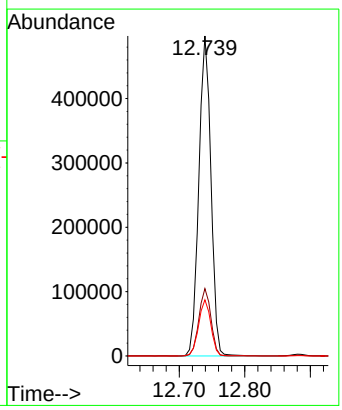


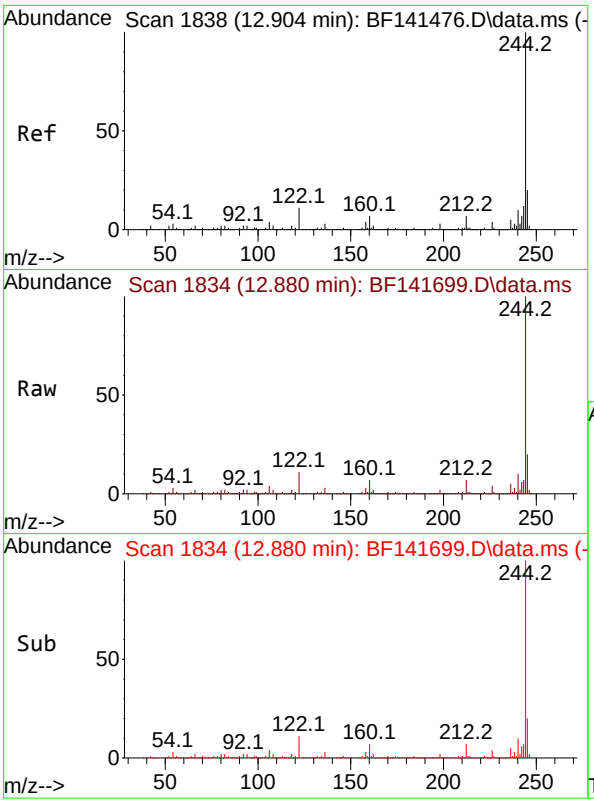


#78
Pyrene
Concen: 43.280 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:202 Resp: 639725

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.3	21.5



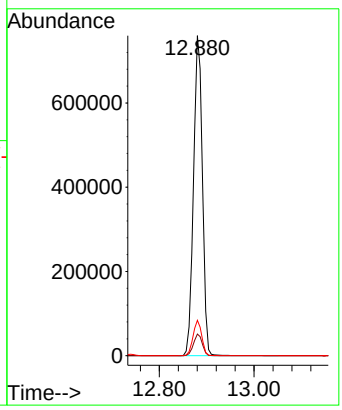


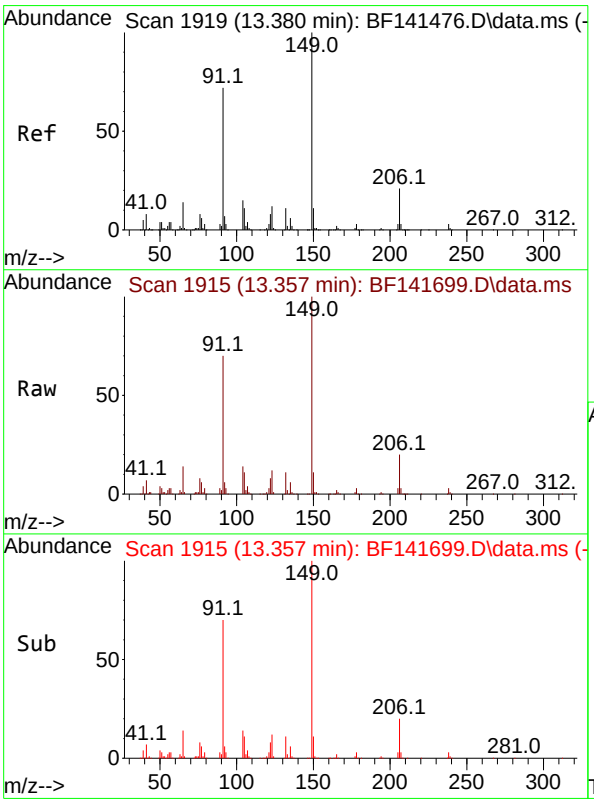
#79
Terphenyl-d14
Concen: 96.125 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:244 Resp: 988676

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.0	8.4	12.6

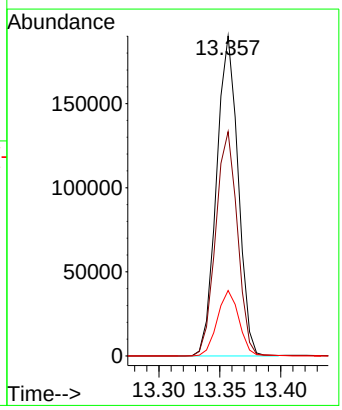


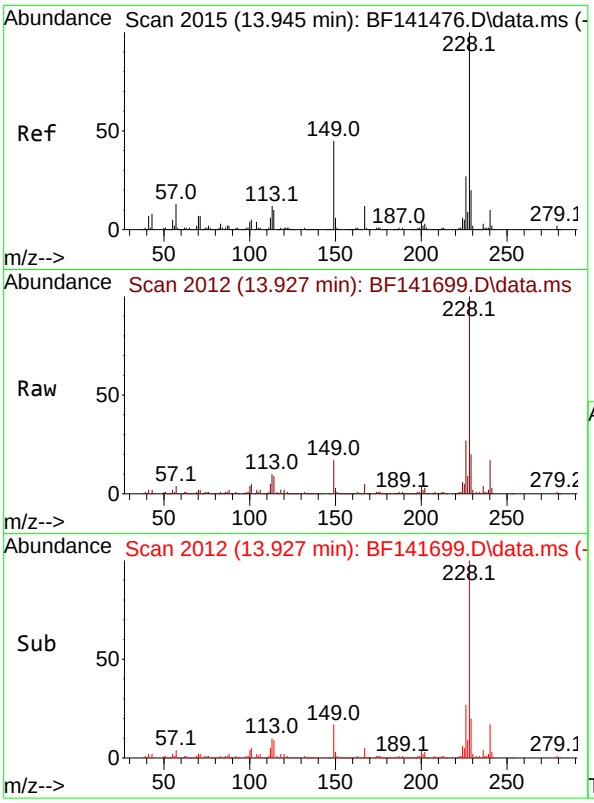


#80
Butylbenzylphthalate
Concen: 45.861 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 234796

Ion	Ratio	Lower	Upper
149	100		
91	70.1	57.8	86.8
206	20.4	16.7	25.1



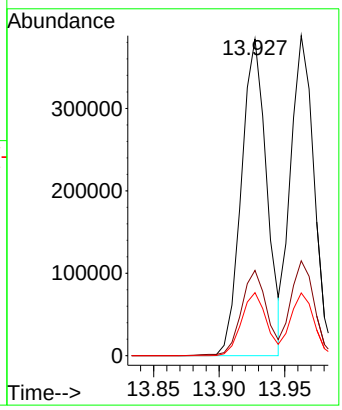


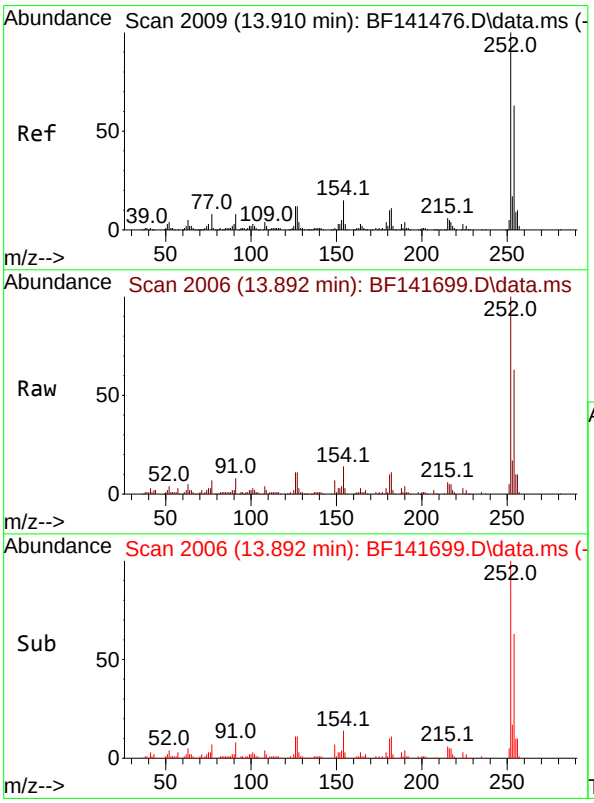
#81
Benzo(a)anthracene
Concen: 44.789 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:228 Resp: 516958

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.9	15.8	23.6

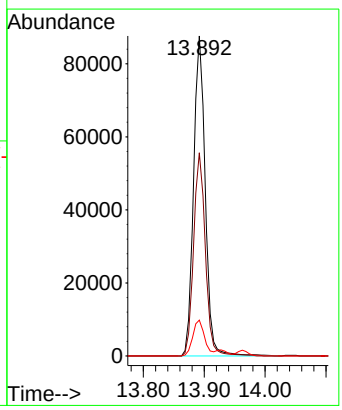


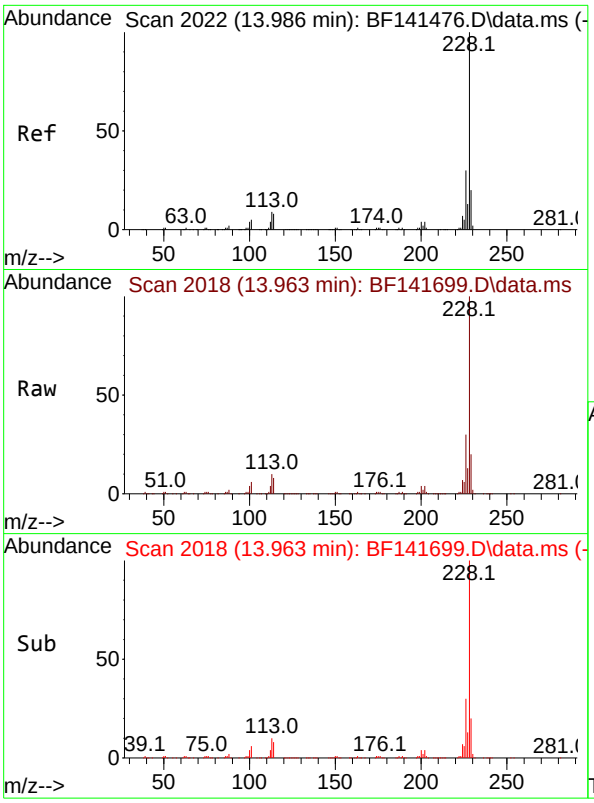


#82
3,3'-Dichlorobenzidine
Concen: 35.357 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 116901

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.6	76.0
126	11.2	9.3	13.9



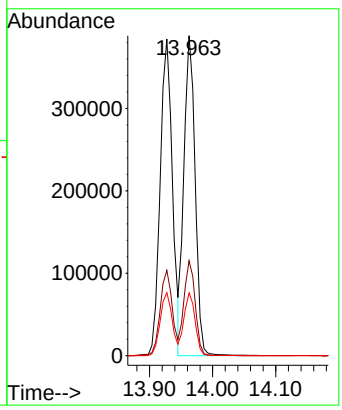


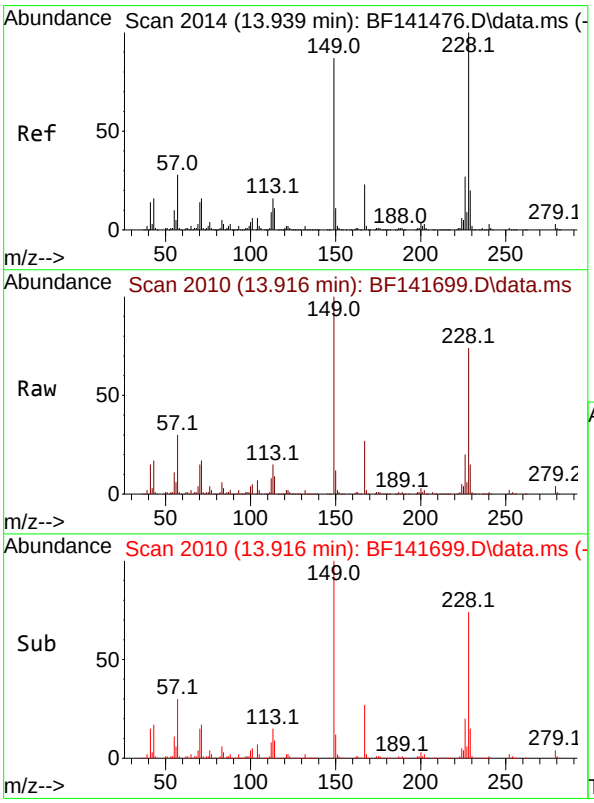
#83
Chrysene
Concen: 45.226 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:228 Resp: 481985

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	19.6	15.7	23.5

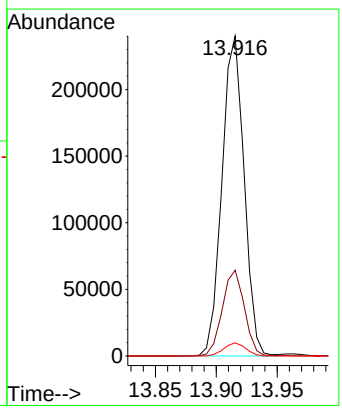


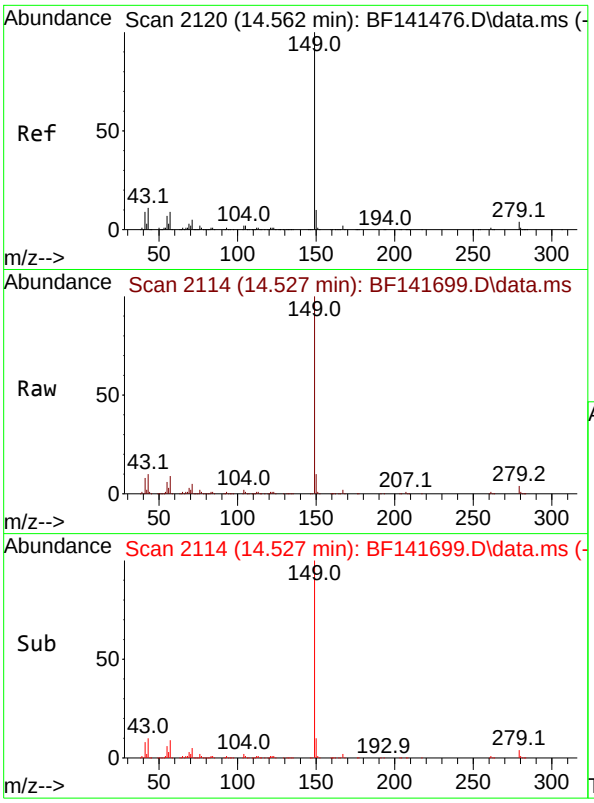


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.646 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:149 Resp: 303987

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	4.1	3.1	4.7



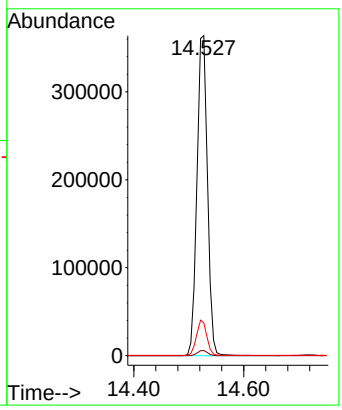


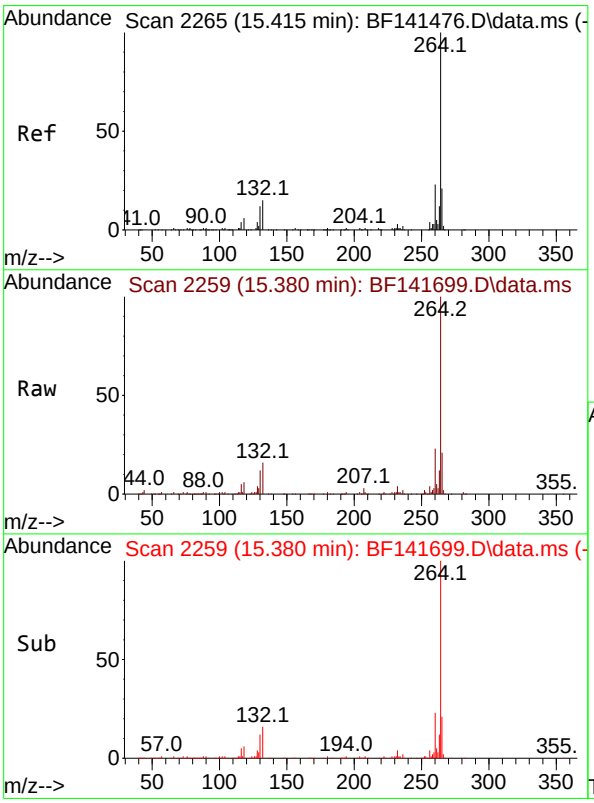
#85
Di-n-octyl phthalate
Concen: 58.851 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:149 Resp: 484777

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.8	9.5	14.3

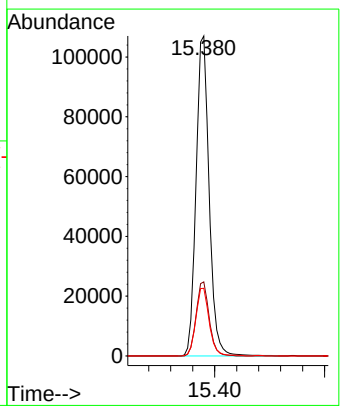


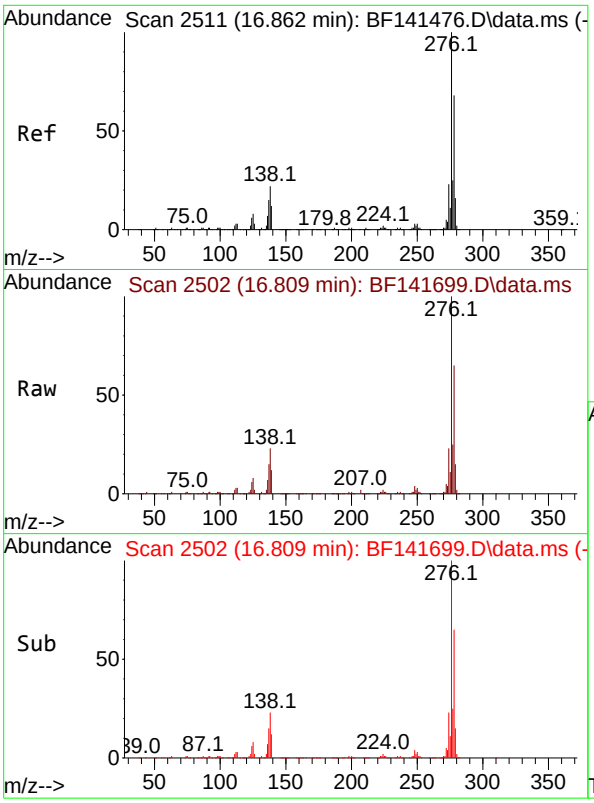


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:264 Resp: 176994

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.1	17.0	25.4



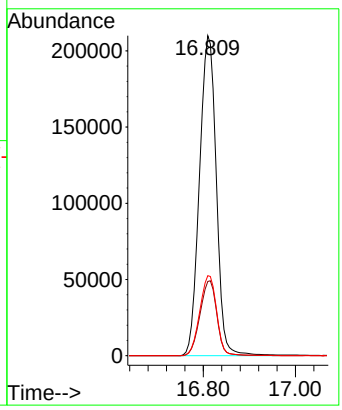


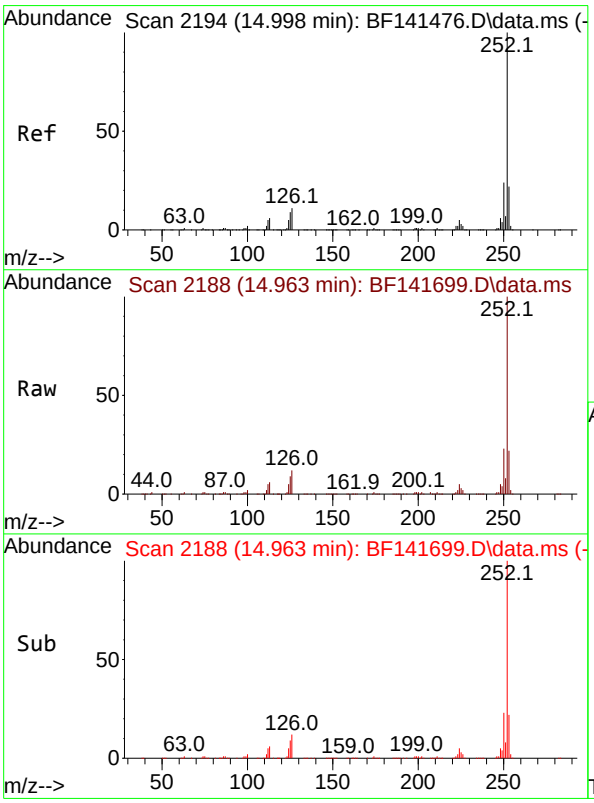
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.864 ng
RT: 16.809 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:276 Resp: 534394

Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.1	20.4	30.6

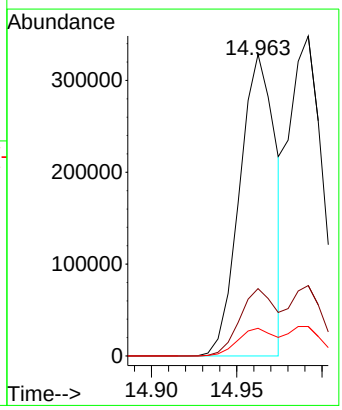


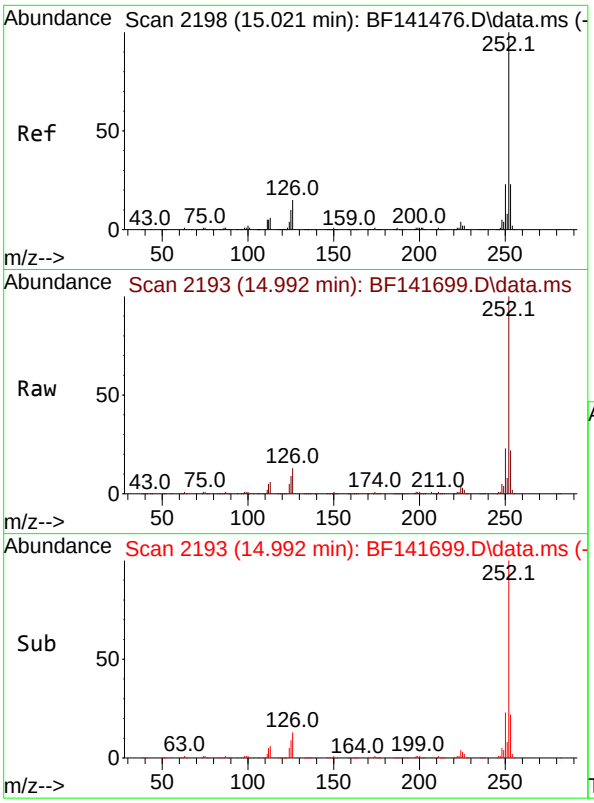


#88
Benzo(b)fluoranthene
Concen: 40.434 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 480528

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.2	7.0	10.6



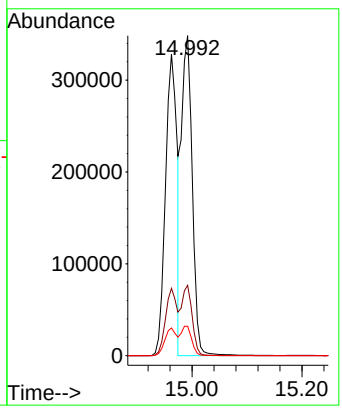


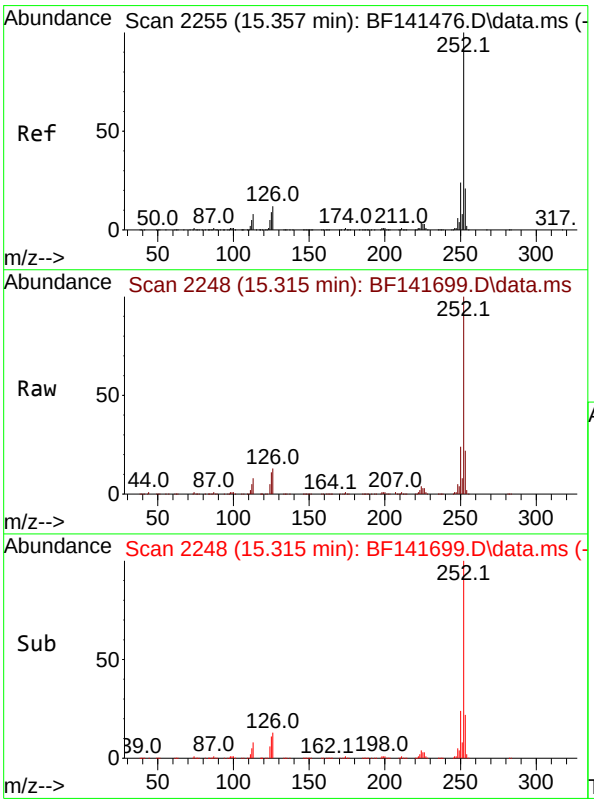
#89
Benzo(k)fluoranthene
Concen: 46.881 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:252 Resp: 475753

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	9.2	7.4	11.0

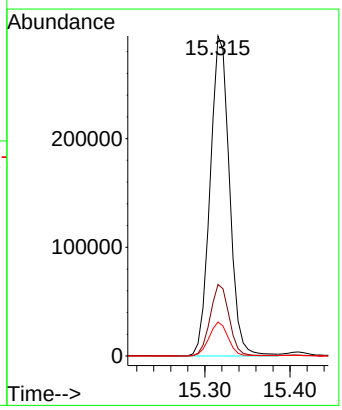


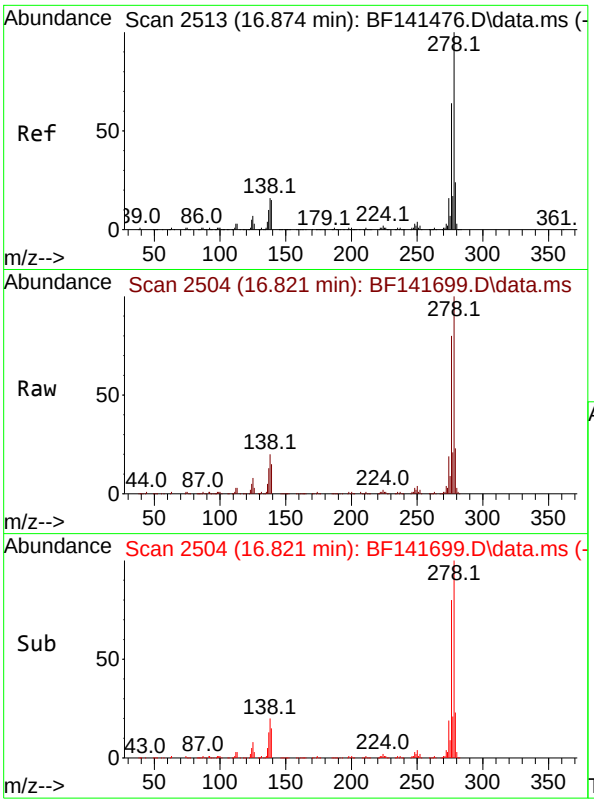


#90
Benzo(a)pyrene
Concen: 48.220 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:252 Resp: 463704

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.6	7.4	11.2



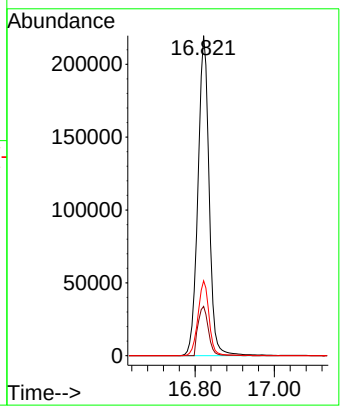


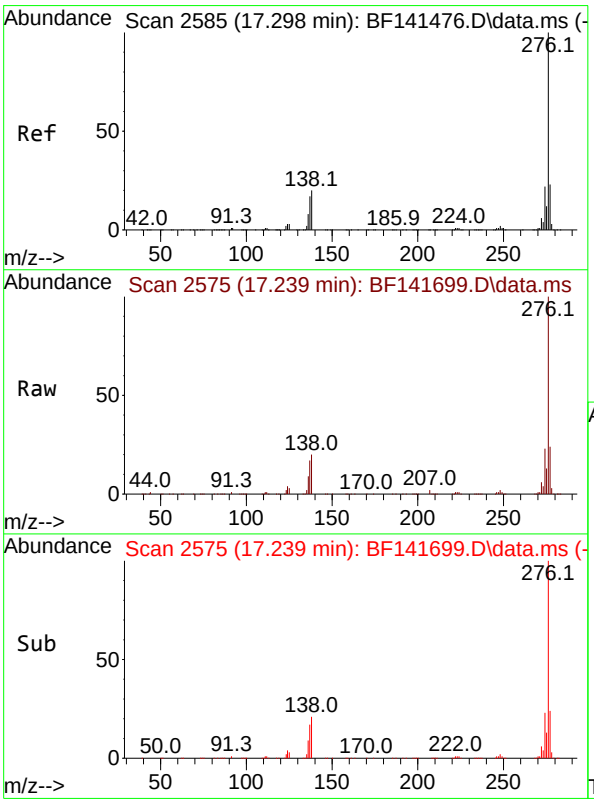
#91
Dibenzo(a,h)anthracene
Concen: 48.511 ng
RT: 16.821 min Scan# 2
Delta R.T. -0.070 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Instrument :
BNA_F
ClientSampleId :
PB166776BS

Tgt Ion:278 Resp: 429886

Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	23.4	19.1	28.7

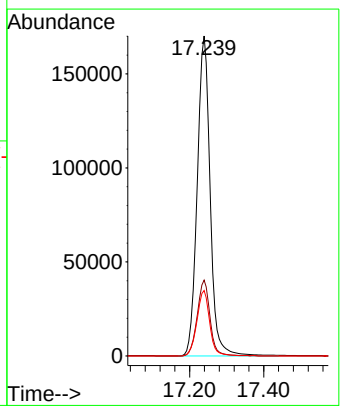




#92
Benzo(g,h,i)perylene
Concen: 44.452 ng
RT: 17.239 min Scan# 2575
Delta R.T. -0.076 min
Lab File: BF141699.D
Acq: 20 Feb 2025 13:03

Tgt Ion:276 Resp: 412214

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	20.5	15.9	23.9



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Feb 20 17:37:12 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	6.781	152	87869	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	346295	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	185494	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	301785	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	183935	20.000	ng	-0.02
86) Perylene-d12	15.380	264	180639	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	471409	84.108	ng	-0.01
7) Phenol-d6	6.422	99	575085	81.181	ng	-0.02
23) Nitrobenzene-d5	7.345	82	527762	79.490	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	147468	79.140	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	985125	81.821	ng	-0.01
79) Terphenyl-d14	12.880	244	906822	83.229	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	93278	41.350	ng	98
3) Pyridine	3.199	79	232077	43.234	ng	95
4) n-Nitrosodimethylamine	3.157	42	134182	37.751	ng	92
6) Aniline	6.446	93	262064	39.437	ng	95
8) 2-Chlorophenol	6.569	128	249942	41.270	ng	98
9) Benzaldehyde	6.334	77	148908	39.556	ng	100
10) Phenol	6.440	94	302192	40.986	ng	97
11) bis(2-Chloroethyl)ether	6.522	93	227648	41.107	ng	98
12) 1,3-Dichlorobenzene	6.722	146	266673	41.709	ng	98
13) 1,4-Dichlorobenzene	6.798	146	273983	41.942	ng	98
14) 1,2-Dichlorobenzene	6.951	146	256300	42.273	ng	99
15) Benzyl Alcohol	6.928	79	213133	39.234	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.057	45	361962	38.182	ng	79
17) 2-Methylphenol	7.045	107	191673	40.443	ng	99
18) Hexachloroethane	7.293	117	100107	41.408	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	170070	40.136	ng	95
20) 3+4-Methylphenols	7.198	107	246595	40.942	ng	95
22) Acetophenone	7.193	105	347556	40.347	ng	95
24) Nitrobenzene	7.369	77	256961	39.690	ng	97
25) Isophorone	7.604	82	426628	40.300	ng	98
26) 2-Nitrophenol	7.681	139	135698	42.129	ng	94
27) 2,4-Dimethylphenol	7.722	122	156138	41.495	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	279268	41.169	ng	99
29) 2,4-Dichlorophenol	7.928	162	208070	40.925	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	229310	41.418	ng	98
31) Naphthalene	8.087	128	722374	40.074	ng	100
32) Benzoic acid	7.857	122	133290	34.103	ng	96
33) 4-Chloroaniline	8.140	127	253295	40.247	ng	98
34) Hexachlorobutadiene	8.198	225	136759	41.146	ng	99
35) Caprolactam	8.504	113	46387	29.966	ng	93
36) 4-Chloro-3-methylphenol	8.628	107	223621	39.707	ng	98
37) 2-Methylnaphthalene	8.775	142	468555	39.945	ng	100
38) 1-Methylnaphthalene	8.875	142	452107	39.795	ng	98
40) 1,2,4,5-Tetrachloroben...	8.939	216	222151	41.395	ng	99
41) Hexachlorocyclopentadiene	8.928	237	92852	52.019	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	141705	40.855	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Feb 20 17:37:12 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	9.104	196	152182	40.484	ng	98
46) 1,1'-Biphenyl	9.239	154	589083	40.963	ng	100
47) 2-Chloronaphthalene	9.263	162	436372	41.034	ng	99
48) 2-Nitroaniline	9.363	65	140428	39.348	ng	98
49) Acenaphthylene	9.675	152	636570	40.245	ng	99
50) Dimethylphthalate	9.539	163	517733	41.114	ng	99
51) 2,6-Dinitrotoluene	9.604	165	113320	41.165	ng	99
52) Acenaphthene	9.851	154	418833	39.387	ng	99
53) 3-Nitroaniline	9.775	138	113925	38.451	ng	99
54) 2,4-Dinitrophenol	9.892	184	64268	39.281	ng	87
55) Dibenzofuran	10.022	168	619287	39.676	ng	99
56) 4-Nitrophenol	9.951	139	128362	58.361	ng	91
57) 2,4-Dinitrotoluene	10.010	165	148187	40.436	ng	100
58) Fluorene	10.363	166	479194	39.706	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	130431	40.303	ng	95
60) Diethylphthalate	10.239	149	498264	40.216	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	234915	40.461	ng	98
62) 4-Nitroaniline	10.392	138	110495	36.727	ng	94
63) Azobenzene	10.516	77	474593	38.532	ng	96
65) 4,6-Dinitro-2-methylph...	10.422	198	82013	39.122	ng	92
66) n-Nitrosodiphenylamine	10.475	169	412415	42.691	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	141384	41.918	ng	99
68) Hexachlorobenzene	10.910	284	146904	42.297	ng	100
69) Atrazine	11.004	200	105755	36.491	ng	98
70) Pentachlorophenol	11.110	266	87169	39.252	ng	99
71) Phenanthrene	11.328	178	665850	40.083	ng	99
72) Anthracene	11.375	178	672708	40.284	ng	100
73) Carbazole	11.533	167	588101	39.140	ng	100
74) Di-n-butylphthalate	11.863	149	705215	40.647	ng	100
75) Fluoranthene	12.510	202	661652	37.569	ng	99
77) Benzidine	12.639	184	182580	45.009	ng	100
78) Pyrene	12.739	202	653830	41.757	ng	100
80) Butylbenzylphthalate	13.357	149	229665	42.347	ng	99
81) Benzo(a)anthracene	13.927	228	481502	39.381	ng	100
82) 3,3'-Dichlorobenzidine	13.892	252	146078	41.708	ng	99
83) Chrysene	13.963	228	466703	41.339	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	292300	47.787	ng	99
85) Di-n-octyl phthalate	14.527	149	457690	52.451	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	488391	43.757	ng	99
88) Benzo(b)fluoranthene	14.963	252	494368	40.759	ng	99
89) Benzo(k)fluoranthene	14.992	252	371796	35.898	ng	98
90) Benzo(a)pyrene	15.321	252	392343	39.976	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	396017	43.788	ng	99
92) Benzo(g,h,i)perylene	17.245	276	417878	44.154	ng	99

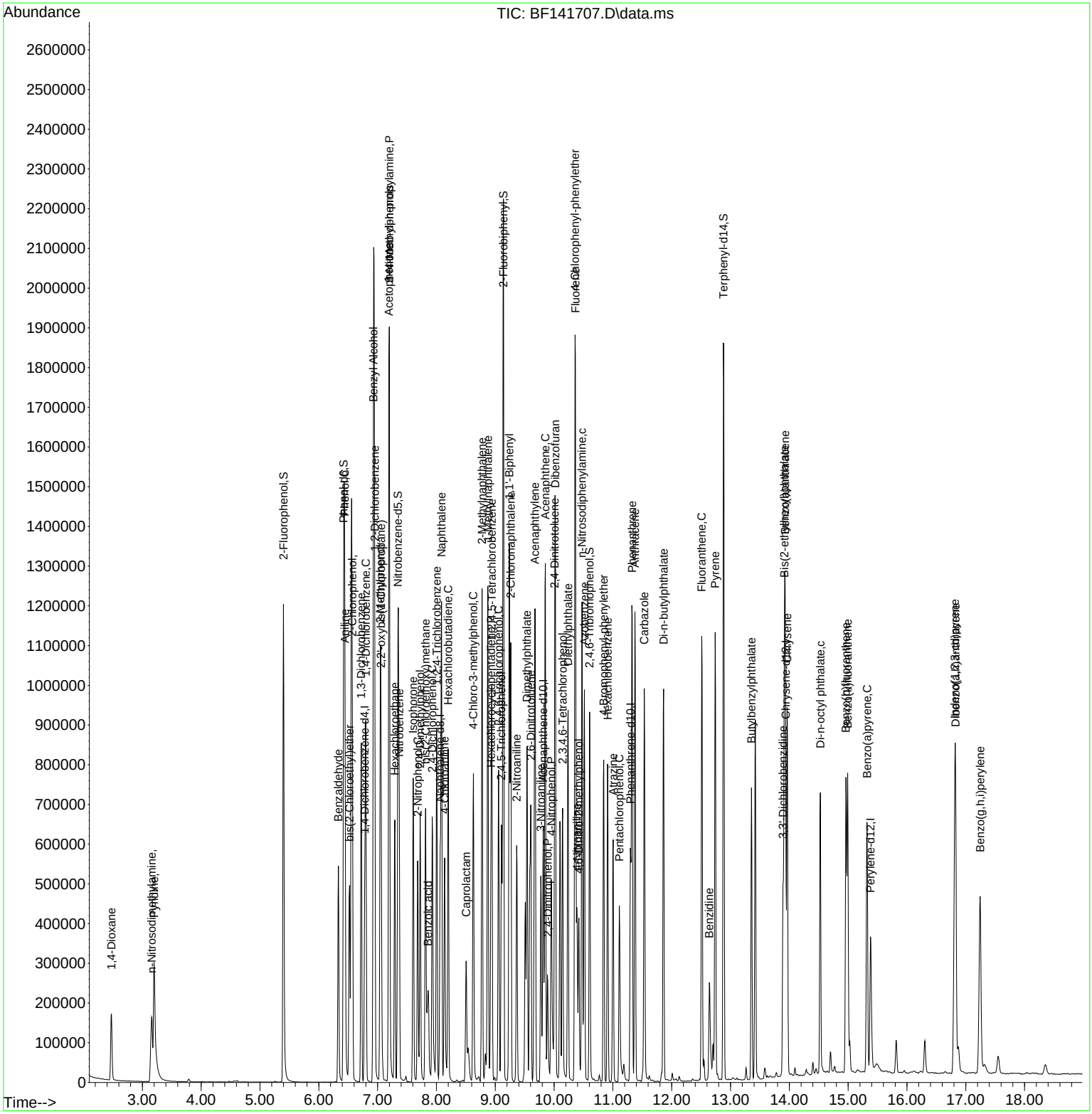
(#) = qualifier out of range (m) = manual integration (+) = signals summed

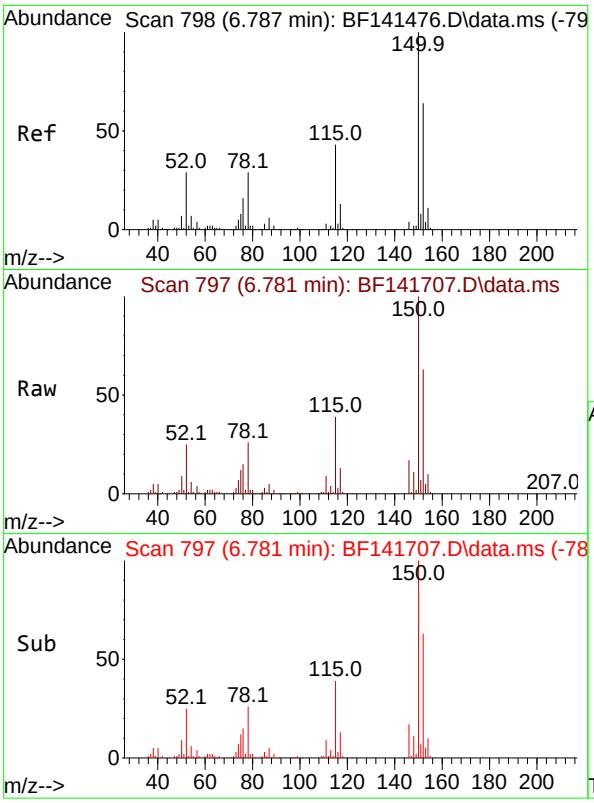
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
Data File : BF141707.D
Acq On : 20 Feb 2025 17:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Feb 20 17:37:12 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



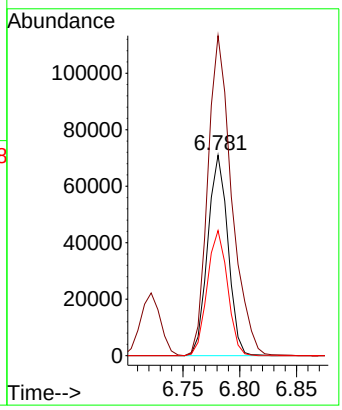


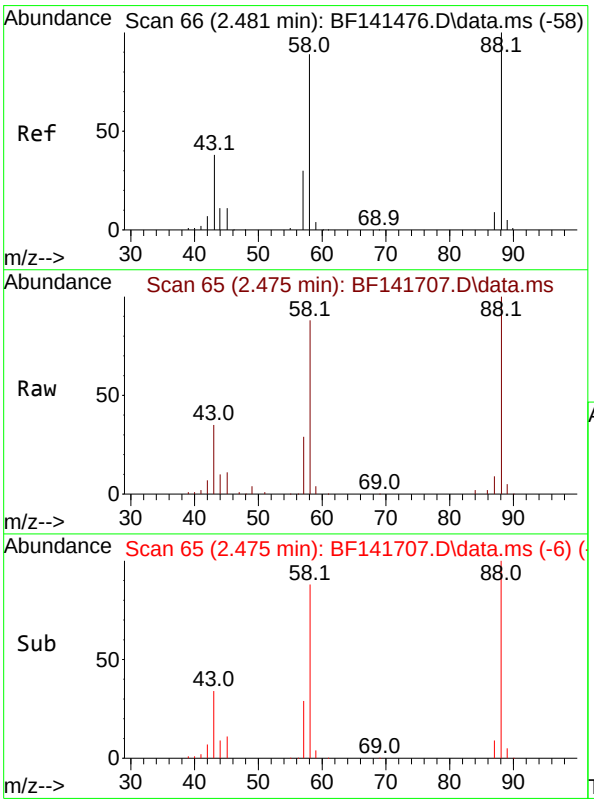
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 87869

Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.0	187.4
115	62.4	53.6	80.4

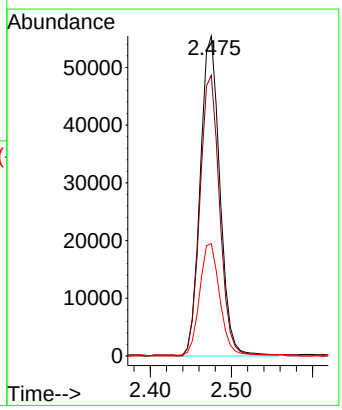


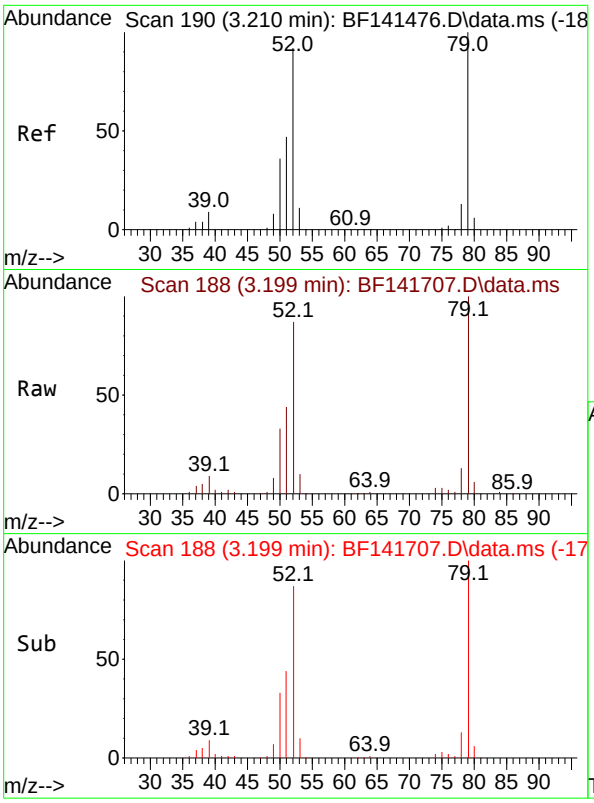


#2
1,4-Dioxane
Concen: 41.350 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 88 Resp: 93278

Ion	Ratio	Lower	Upper
88	100		
58	87.7	71.1	106.7
43	35.2	30.6	46.0



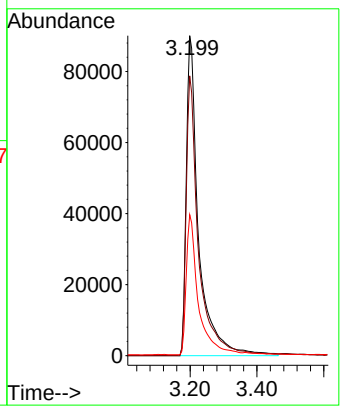


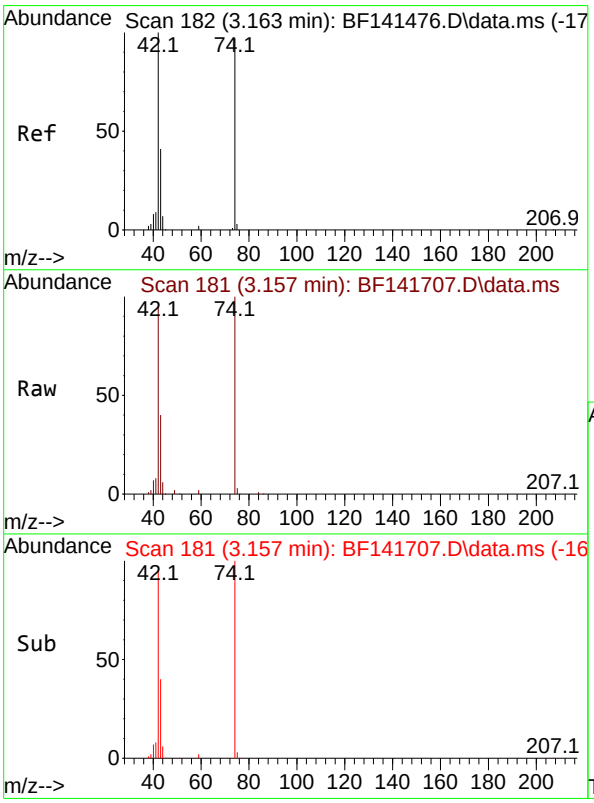
#3
Pyridine
Concen: 43.234 ng
RT: 3.199 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 232077

Ion	Ratio	Lower	Upper
79	100		
52	87.4	73.7	110.5
51	44.0	37.5	56.3

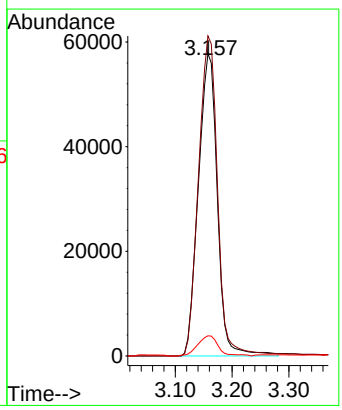


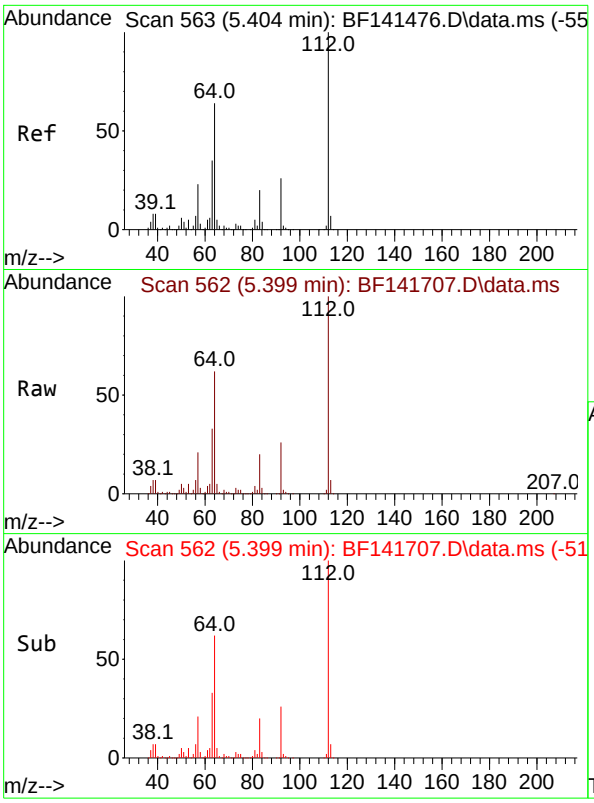


#4
n-Nitrosodimethylamine
Concen: 37.751 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 42 Resp: 134182

Ion	Ratio	Lower	Upper
42	100		
74	105.8	78.0	117.0
44	6.7	5.4	8.2



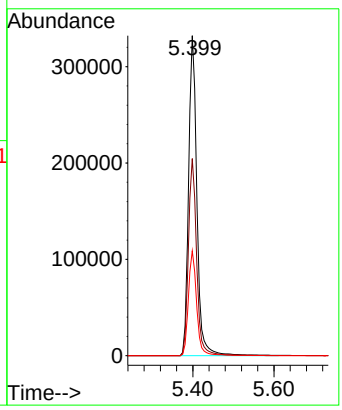


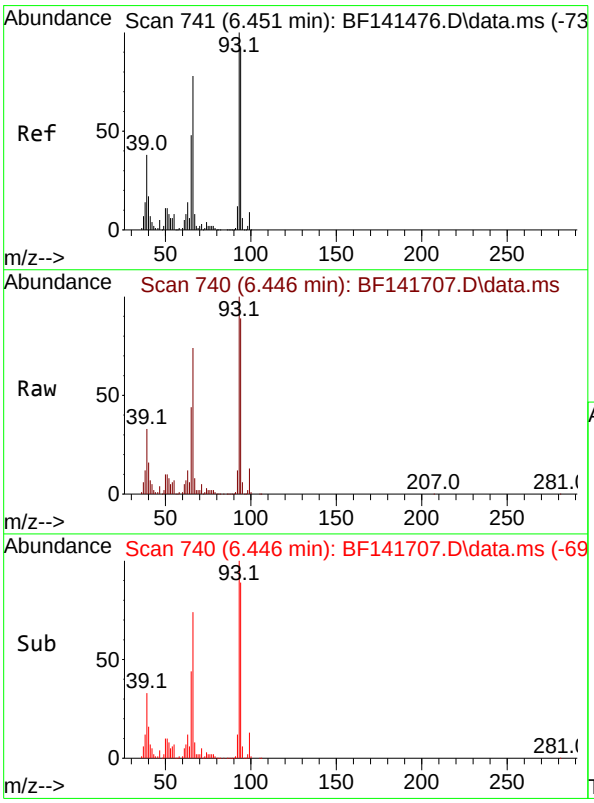
#5
2-Fluorophenol
Concen: 84.108 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 471409

Ion	Ratio	Lower	Upper
112	100		
64	61.6	51.1	76.7
63	32.7	28.4	42.6

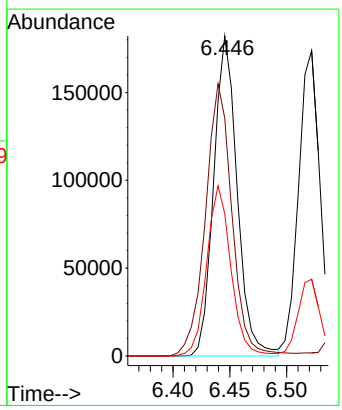


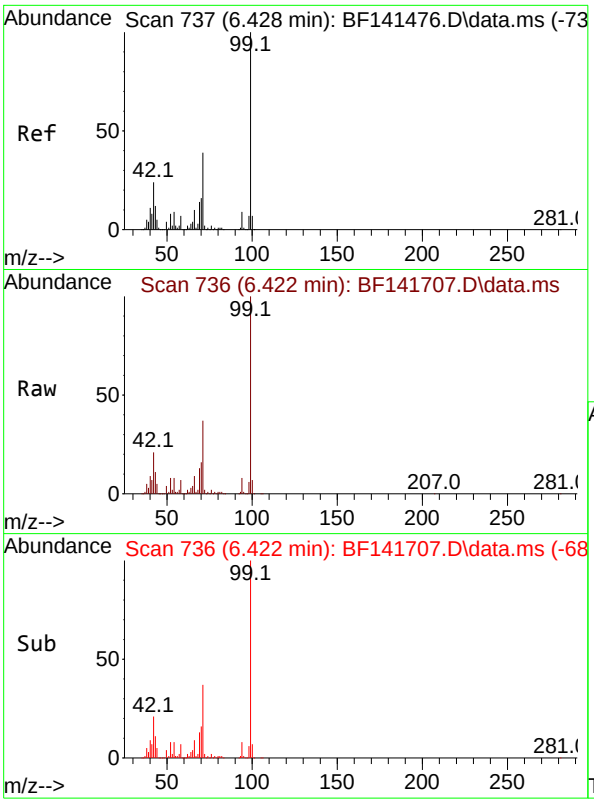


#6
Aniline
Concen: 39.437 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 93 Resp: 262064

Ion	Ratio	Lower	Upper
93	100		
66	74.3	62.6	94.0
65	44.4	38.3	57.5



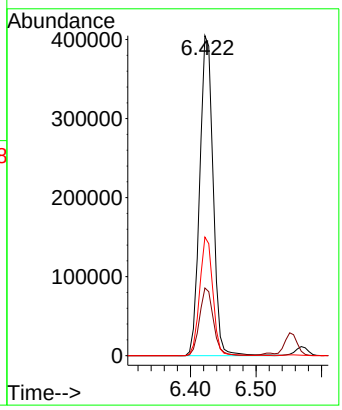


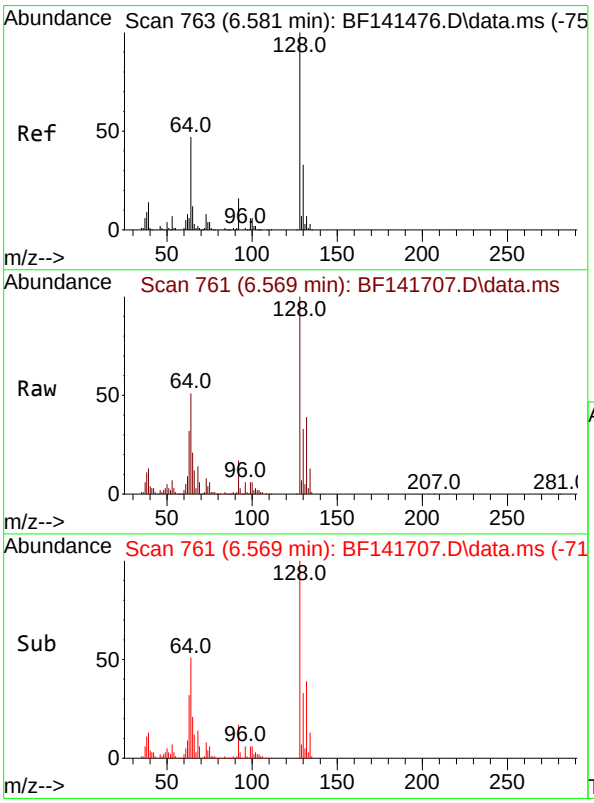
#7
Phenol-d6
Concen: 81.181 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 575085

Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.1	28.7
71	37.0	31.1	46.7

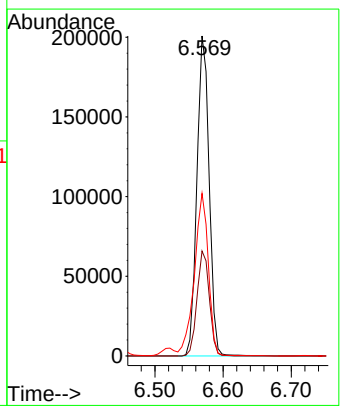


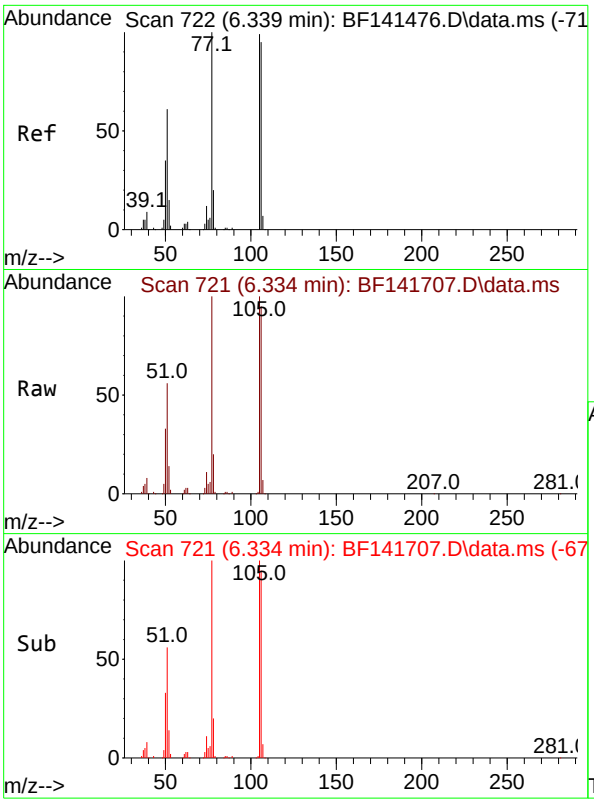


#8
2-Chlorophenol
Concen: 41.270 ng
RT: 6.569 min Scan# 761
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:128 Resp: 249942

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	50.8	28.3	68.3



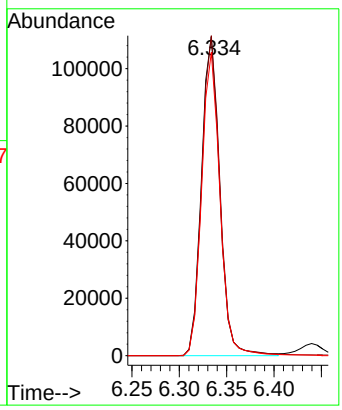


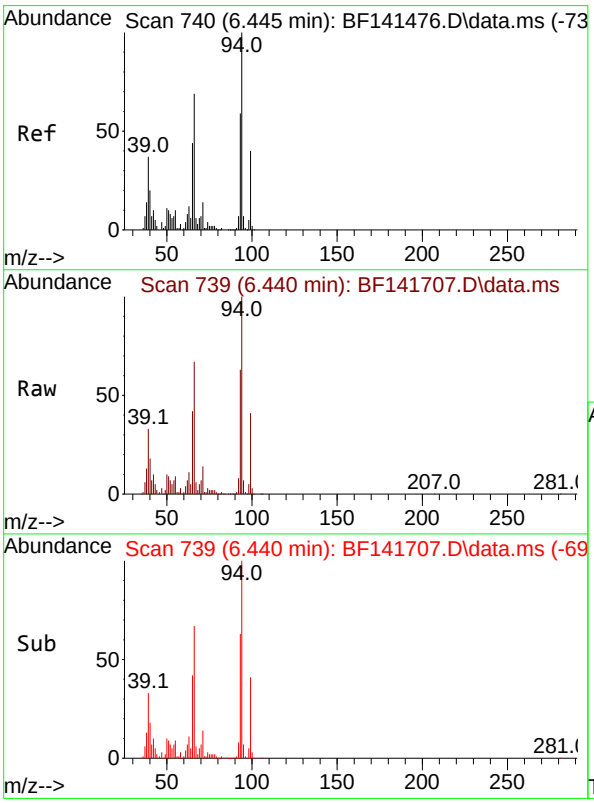
#9
Benzaldehyde
Concen: 39.556 ng
RT: 6.334 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 148908

Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.4	119.4
106	95.1	75.1	115.1

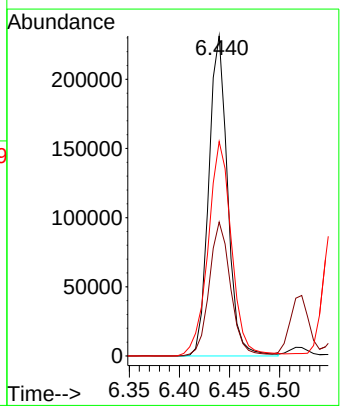


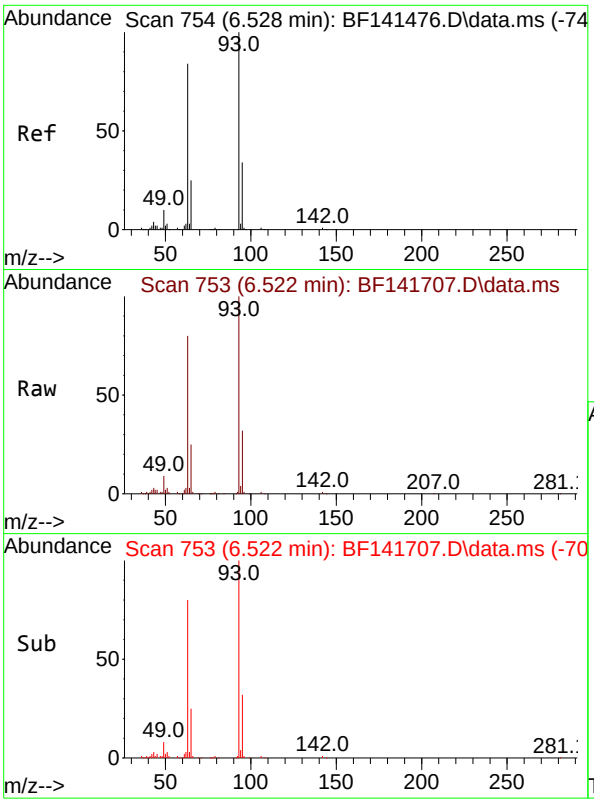


#10
Phenol
Concen: 40.986 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 94 Resp: 302192

Ion	Ratio	Lower	Upper
94	100		
65	41.9	23.7	63.7
66	67.0	49.3	89.3



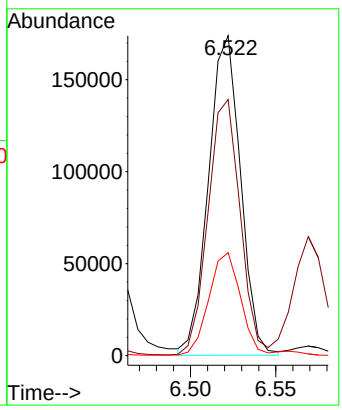


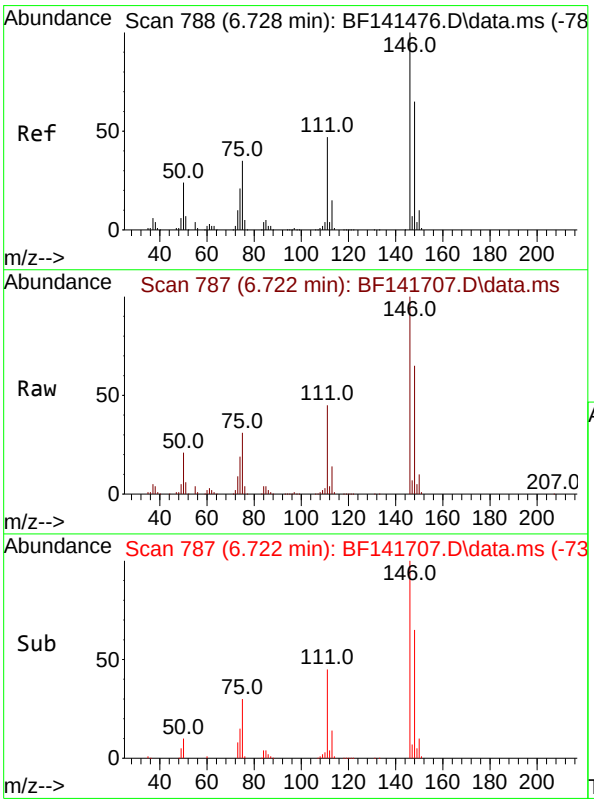
#11
bis(2-Chloroethyl)ether
Concen: 41.107 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 227648

Ion	Ratio	Lower	Upper
93	100		
63	80.1	62.0	102.0
95	32.2	12.6	52.6

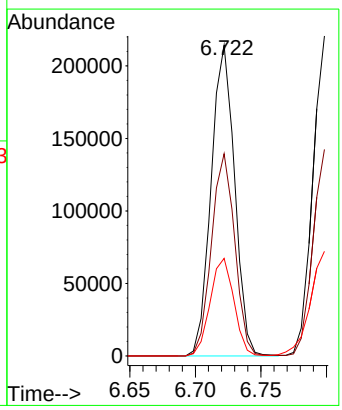


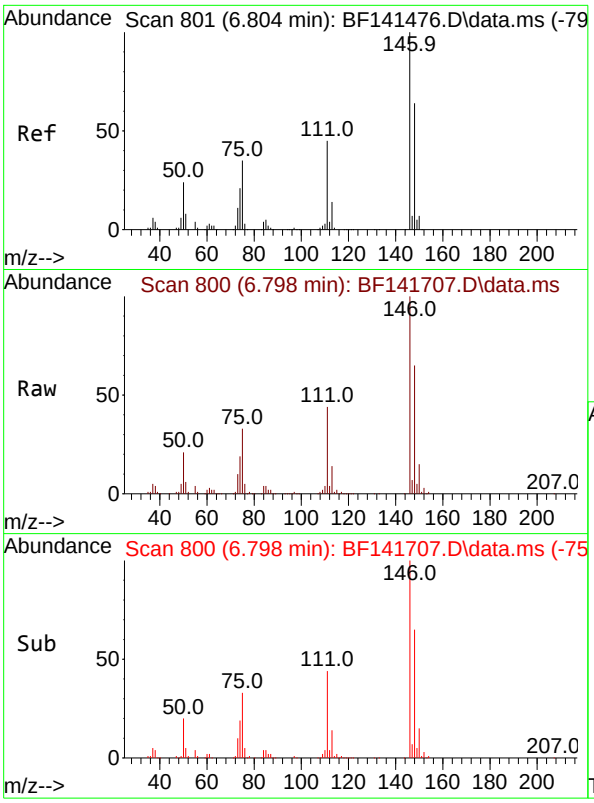


#12
1,3-Dichlorobenzene
Concen: 41.709 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:146 Resp: 266673

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
75	31.4	28.2	42.2



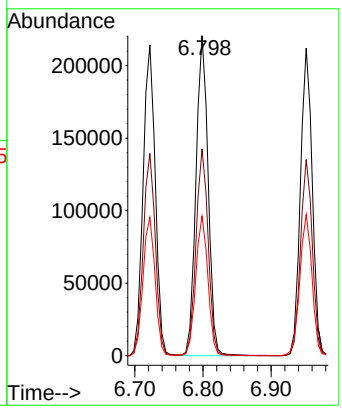


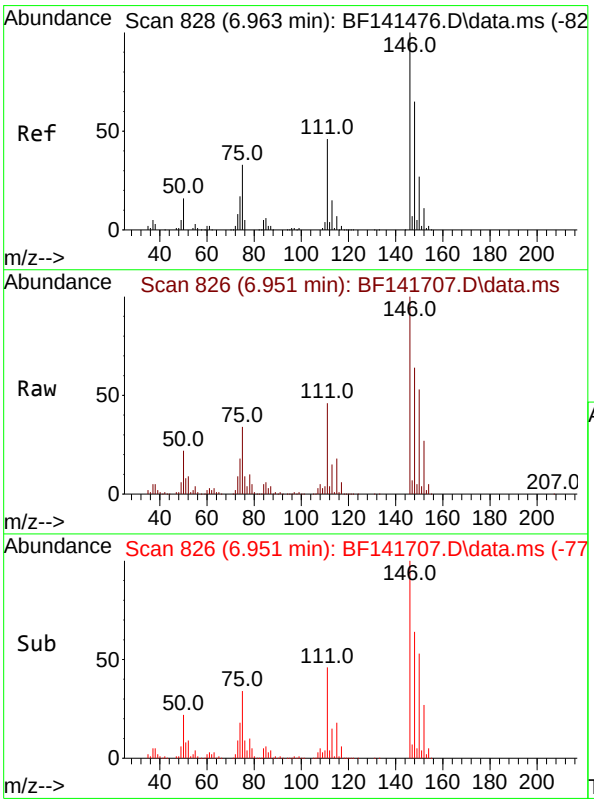
#13
1,4-Dichlorobenzene
Concen: 41.942 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 273983

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.9	76.3
111	43.6	35.9	53.9

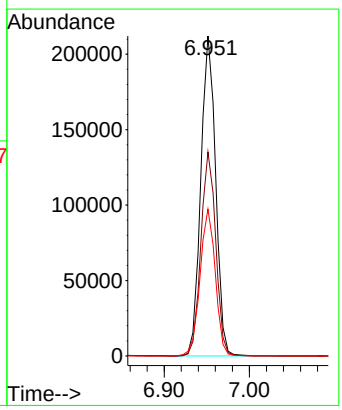


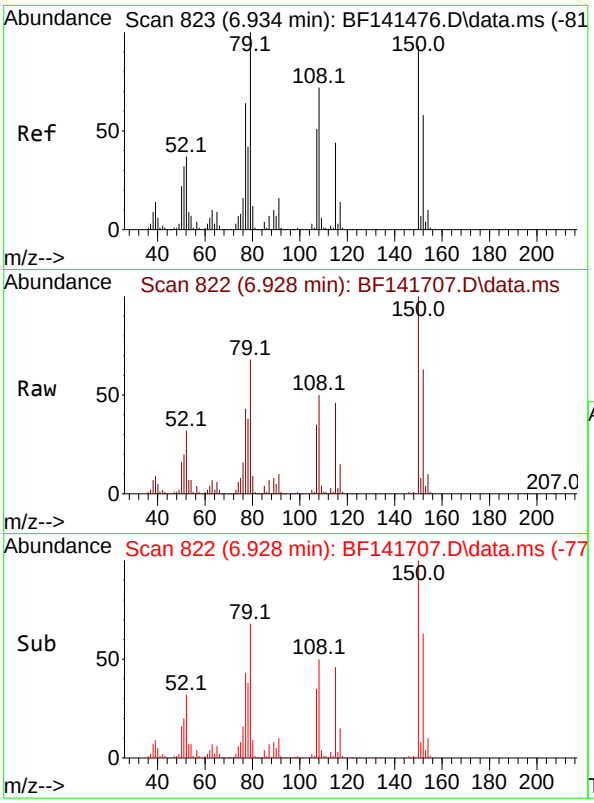


#14
1,2-Dichlorobenzene
Concen: 42.273 ng
RT: 6.951 min Scan# 826
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:146 Resp: 256300

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	45.9	37.0	55.4



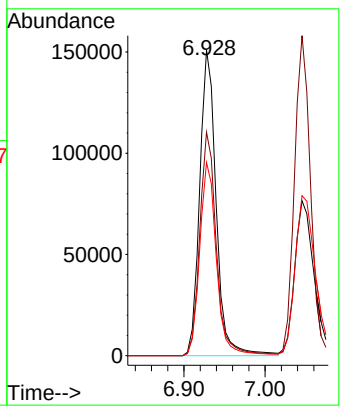


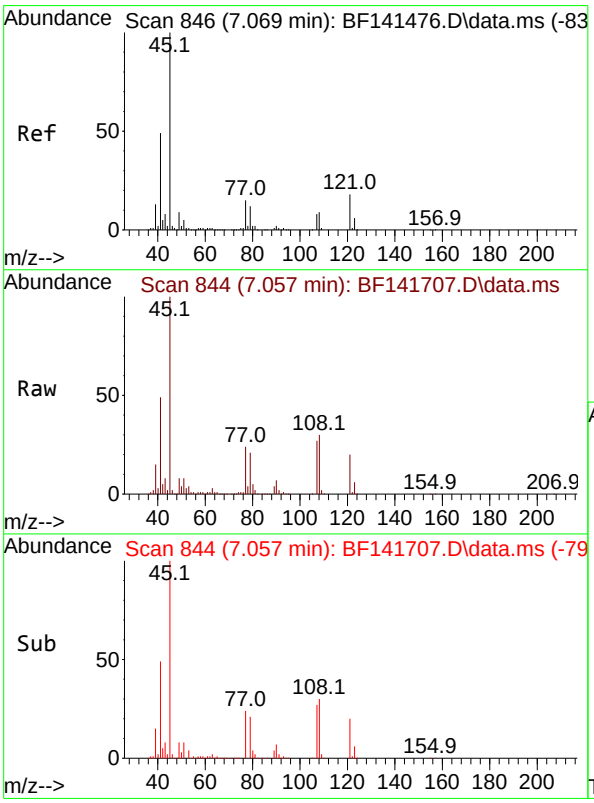
#15
Benzyl Alcohol
Concen: 39.234 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 213133

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.4	86.2
77	63.2	50.9	76.3

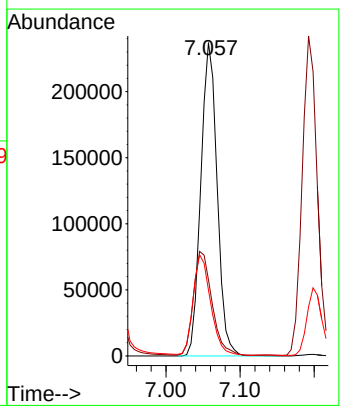


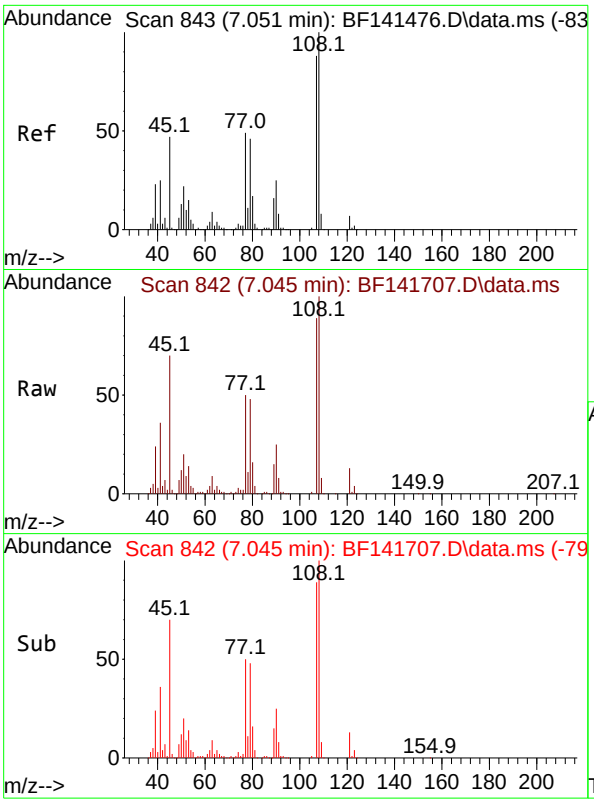


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.182 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 45 Resp: 361962

Ion	Ratio	Lower	Upper
45	100		
77	24.4	0.0	35.8
79	21.1	0.0	32.7



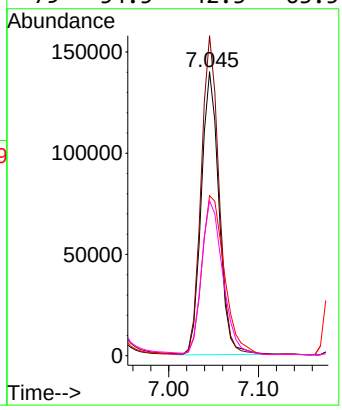


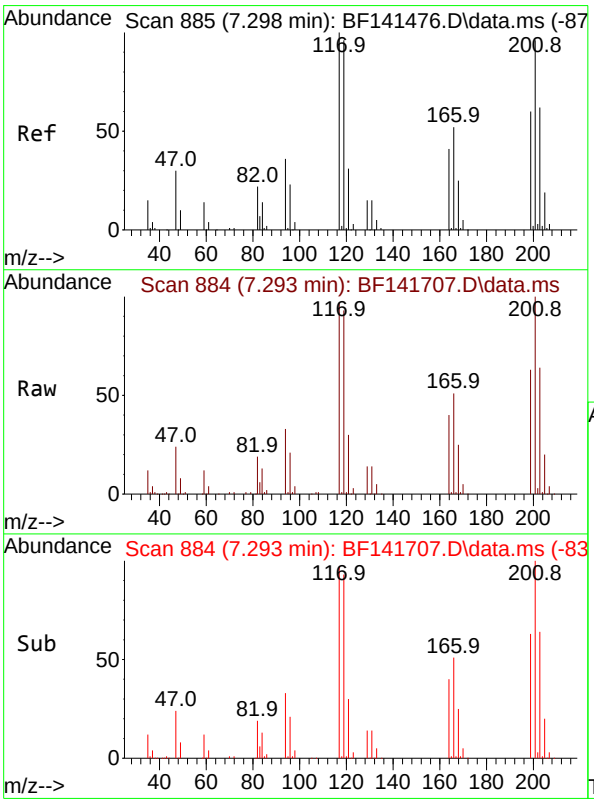
#17
2-Methylphenol
Concen: 40.443 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 191673

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.6	136.0
77	56.4	44.4	66.6
79	54.5	42.3	63.5

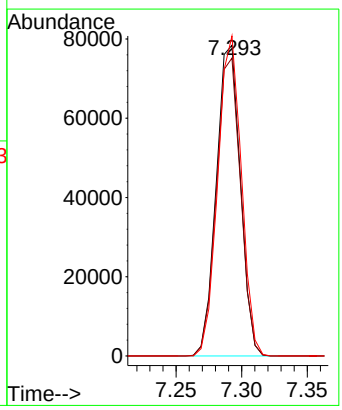


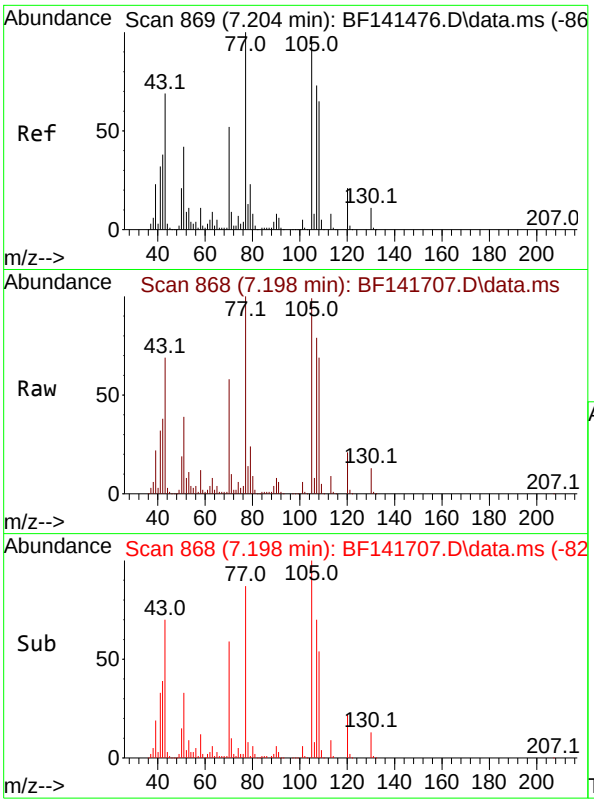


#18
Hexachloroethane
Concen: 41.408 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:117 Resp: 100107

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
201	103.0	76.7	115.1



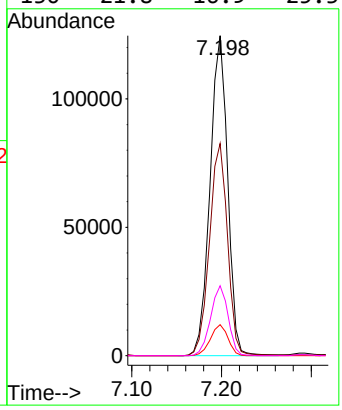


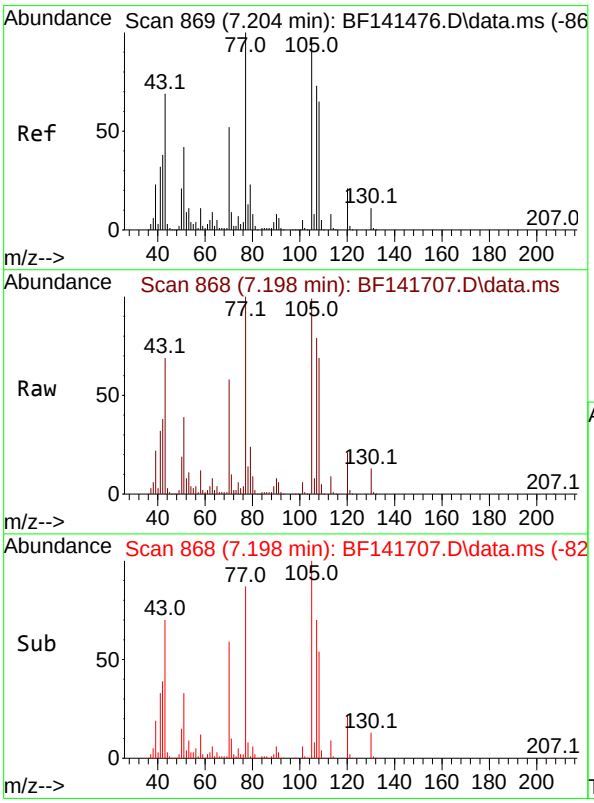
#19
n-Nitroso-di-n-propylamine
Concen: 40.136 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 170070

Ion	Ratio	Lower	Upper
70	100		
42	66.3	57.4	86.2
101	9.7	8.0	12.0
130	21.8	16.9	25.3

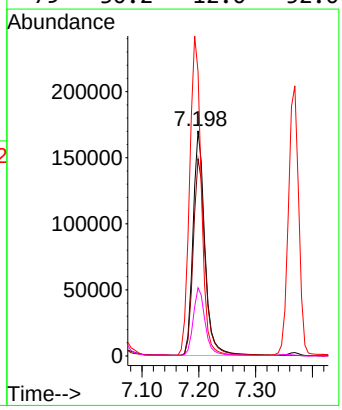


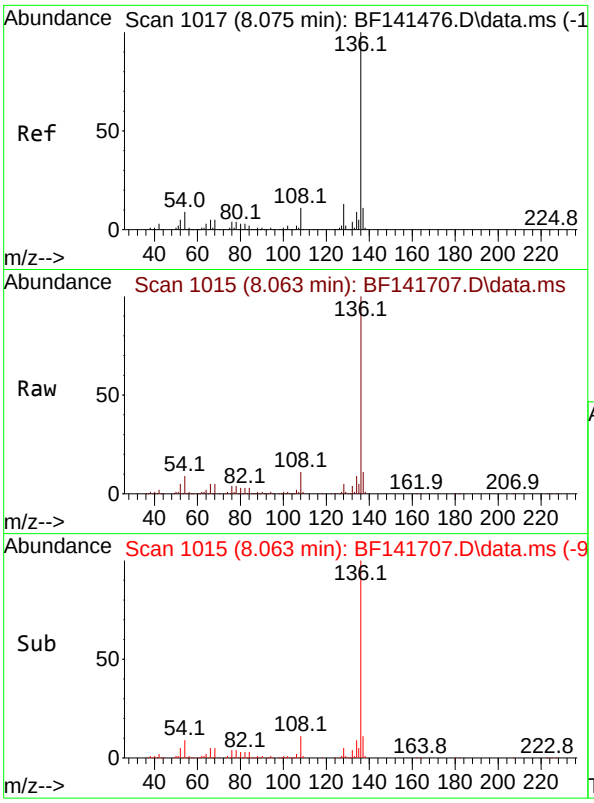


#20
3+4-Methylphenols
Concen: 40.942 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:107 Resp: 246595

Ion	Ratio	Lower	Upper
107	100		
108	87.5	68.5	108.5
77	126.2	116.5	156.5
79	30.2	12.0	52.0



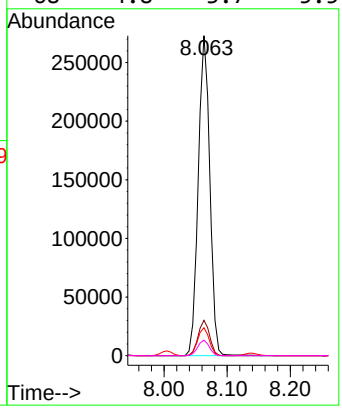


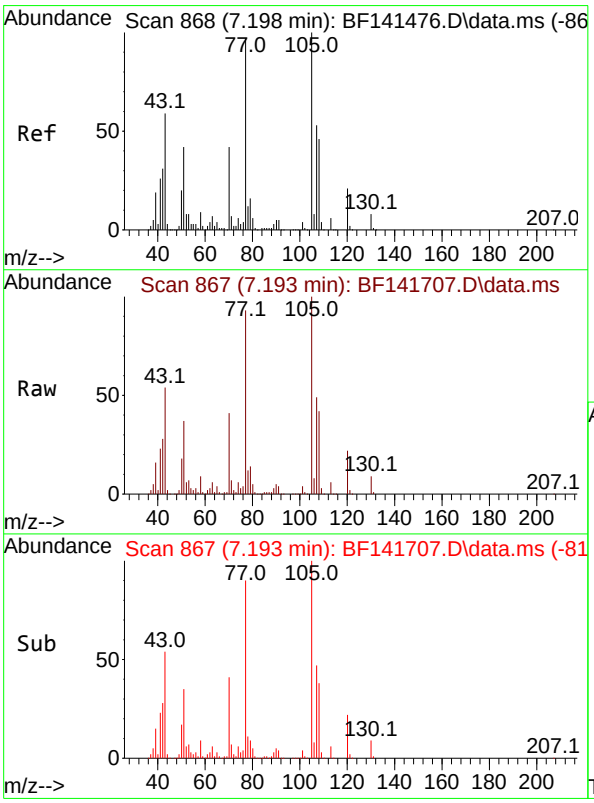
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 346295

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5

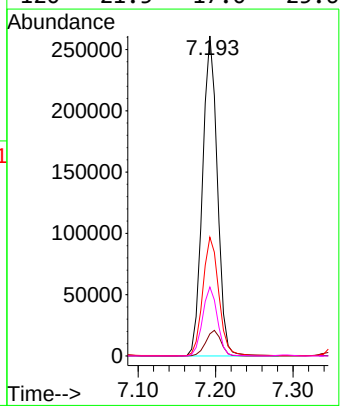


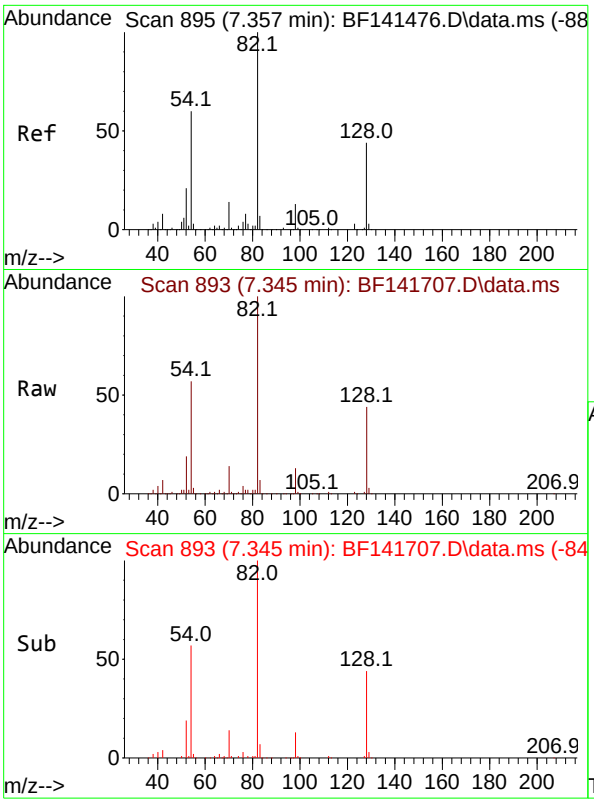


#22
Acetophenone
Concen: 40.347 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:105 Resp: 347556

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.7	8.5
51	37.1	33.7	50.5
120	21.5	17.0	25.6



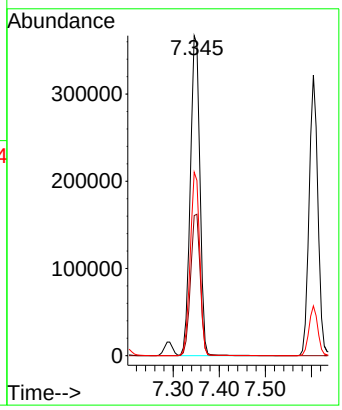


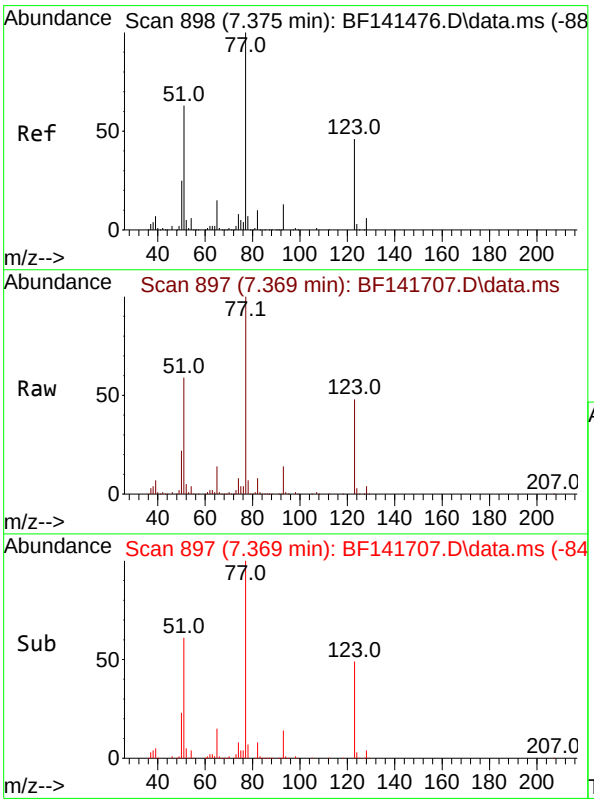
#23
Nitrobenzene-d5
Concen: 79.490 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 527762

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	57.3	48.2	72.4

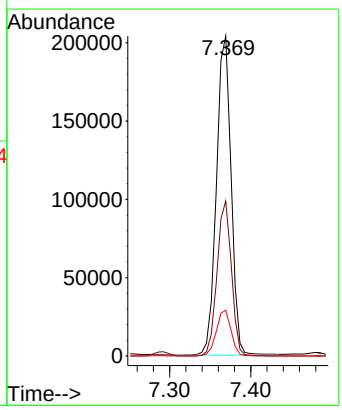


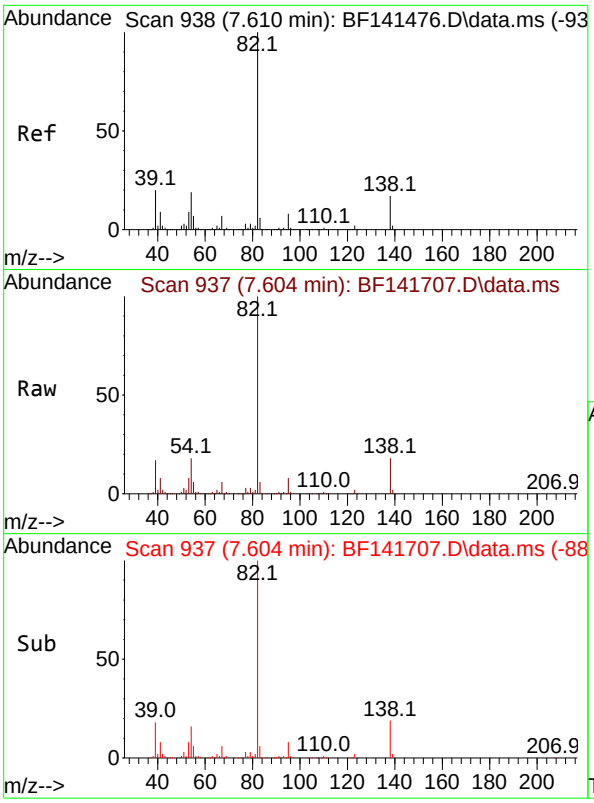


#24
Nitrobenzene
Concen: 39.690 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 77 Resp: 256961

Ion	Ratio	Lower	Upper
77	100		
123	48.4	36.9	55.3
65	14.3	11.9	17.9



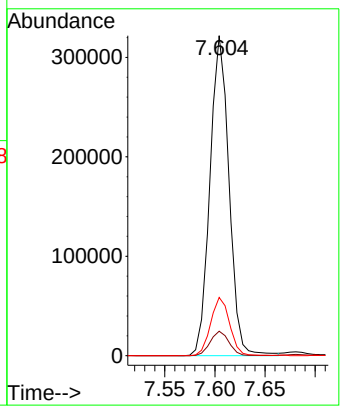


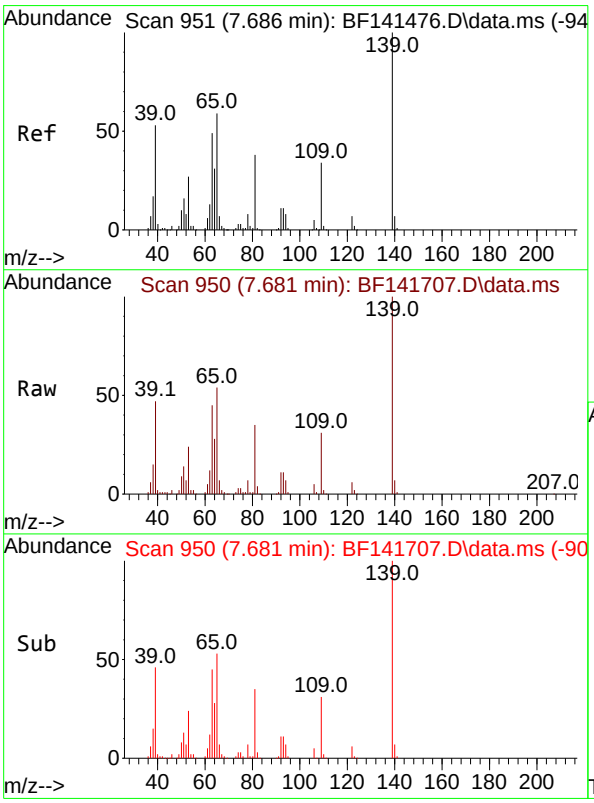
#25
Isophorone
Concen: 40.300 ng
RT: 7.604 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 426628

Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.4	9.6
138	18.2	13.9	20.9

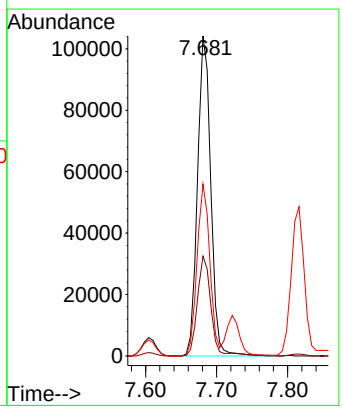


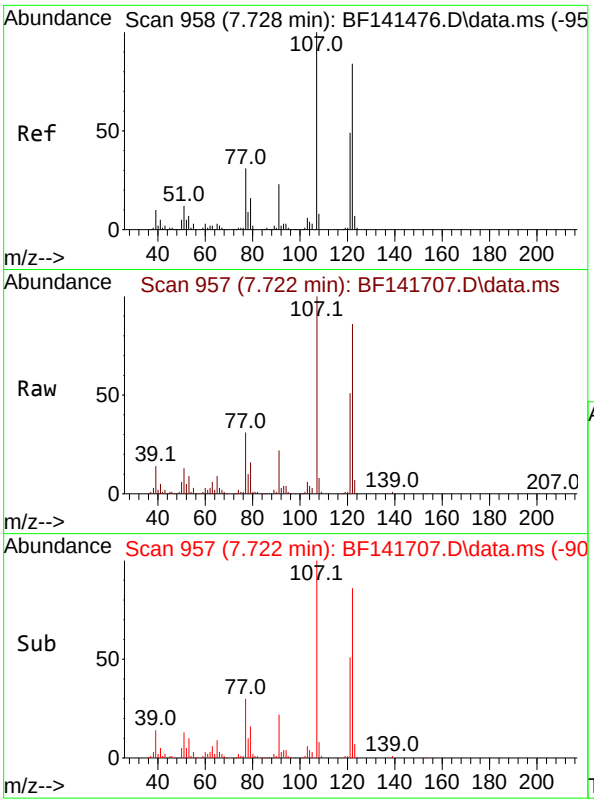


#26
2-Nitrophenol
Concen: 42.129 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:139 Resp: 135698

Ion	Ratio	Lower	Upper
139	100		
109	31.1	27.0	40.6
65	53.7	47.1	70.7



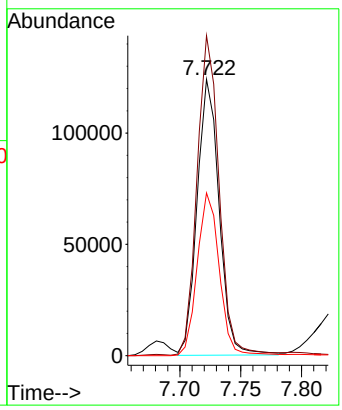


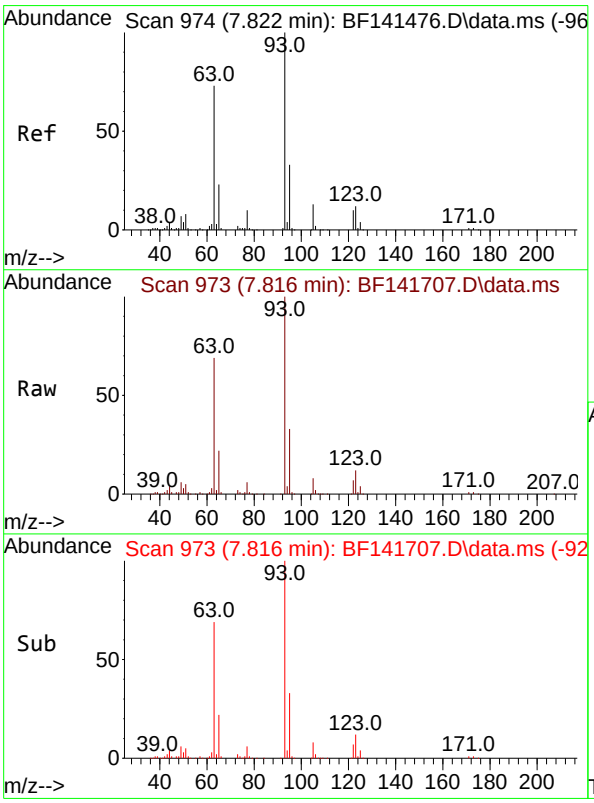
#27
2,4-Dimethylphenol
Concen: 41.495 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 156138

Ion	Ratio	Lower	Upper
122	100		
107	115.8	94.3	141.5
121	58.9	46.0	69.0

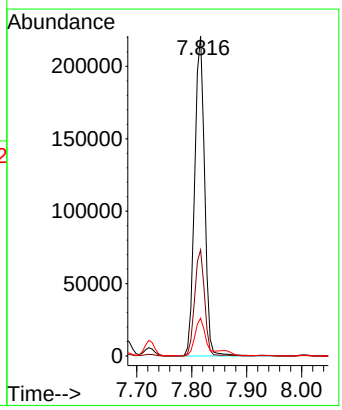


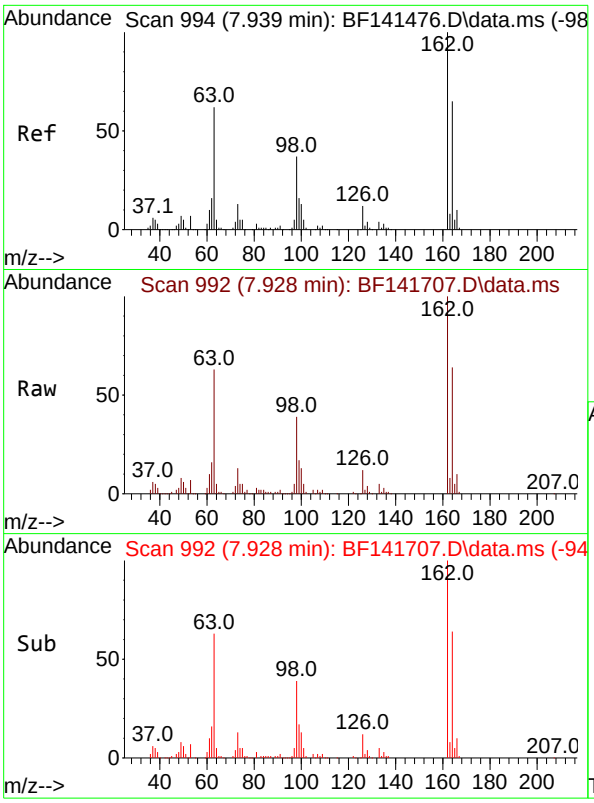


#28
bis(2-Chloroethoxy)methane
Concen: 41.169 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 93 Resp: 279268

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.1	39.1
123	11.8	9.5	14.3



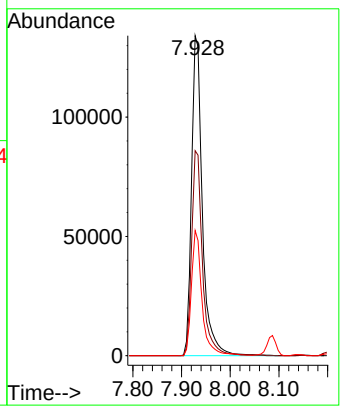


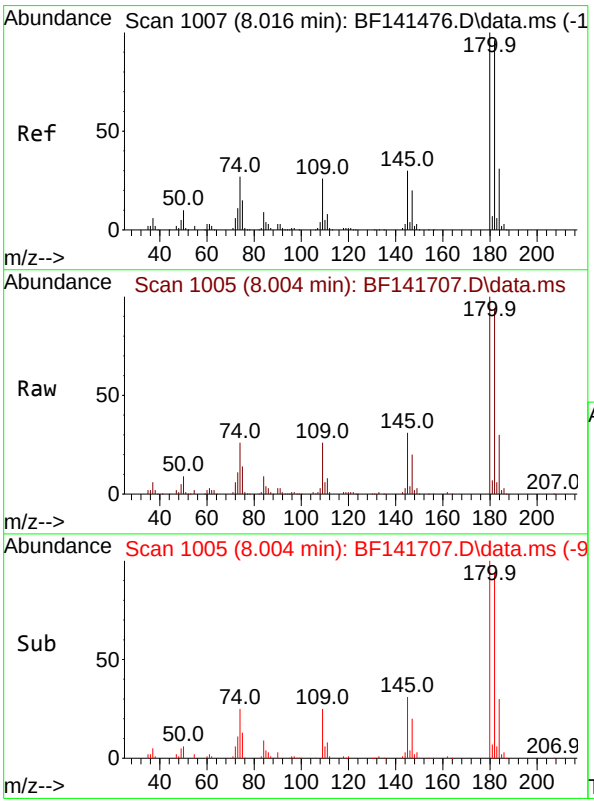
#29
2,4-Dichlorophenol
Concen: 40.925 ng
RT: 7.928 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 208070

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.6	84.6
98	39.1	17.2	57.2

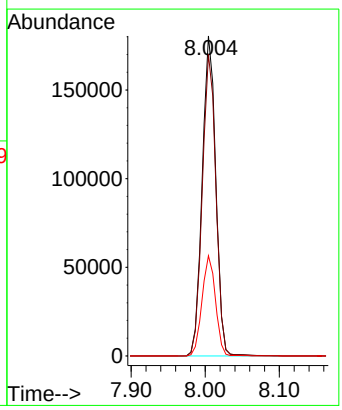


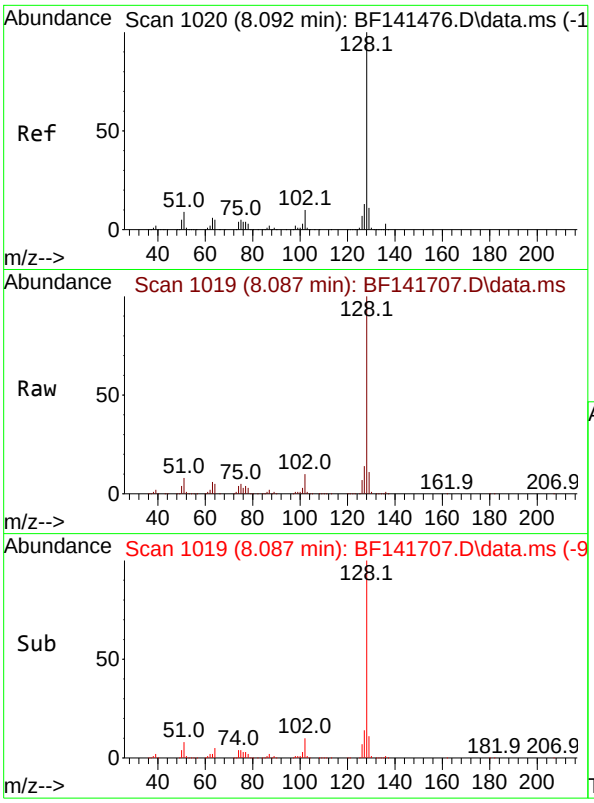


#30
1,2,4-Trichlorobenzene
Concen: 41.418 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:180 Resp: 229310

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
145	31.3	24.2	36.4



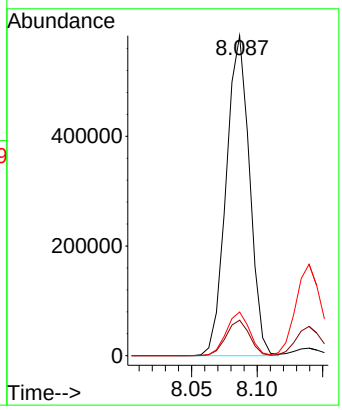


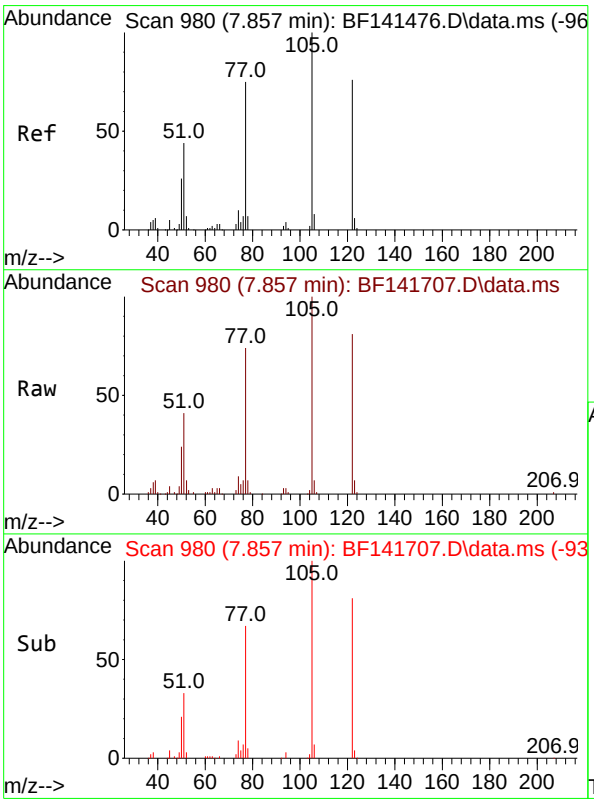
#31
Naphthalene
Concen: 40.074 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 722374

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.6	10.7	16.1

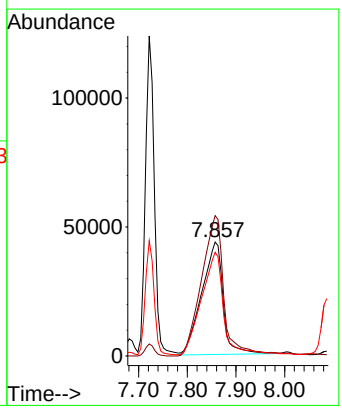


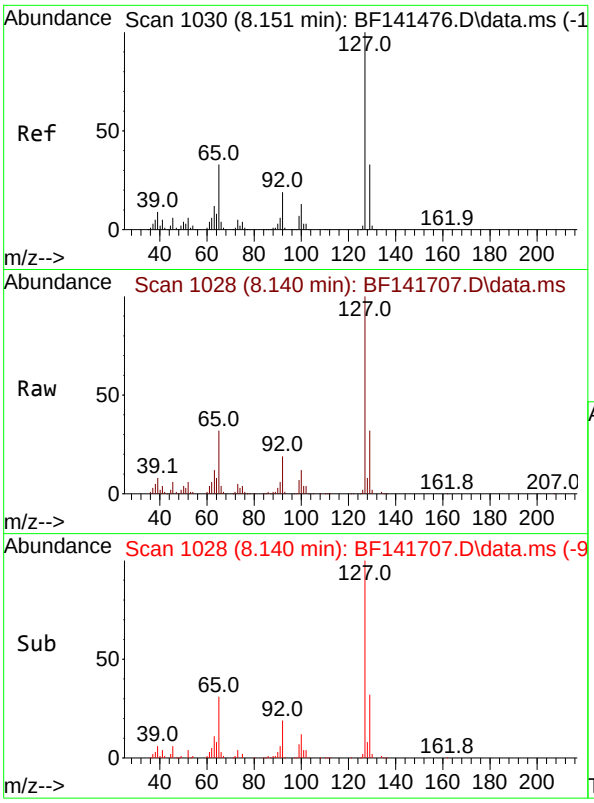


#32
Benzoic acid
Concen: 34.103 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:122 Resp: 133290

Ion	Ratio	Lower	Upper
122	100		
105	123.2	106.5	146.5
77	91.0	76.3	116.3



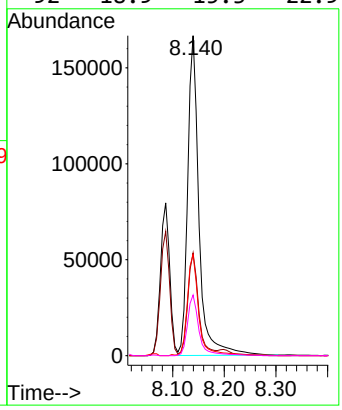


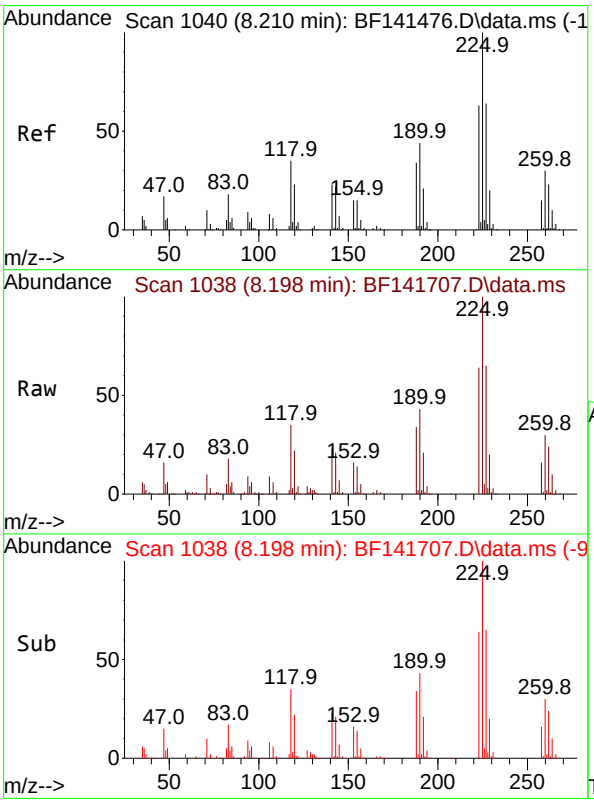
#33
4-Chloroaniline
Concen: 40.247 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 253295

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.5	39.7
65	31.7	26.4	39.6
92	18.9	15.3	22.9

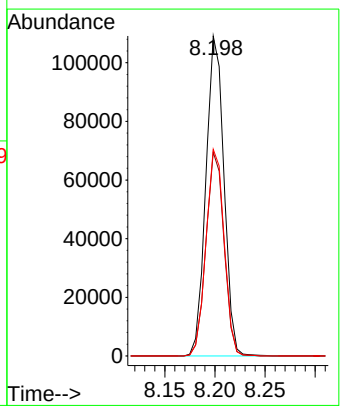


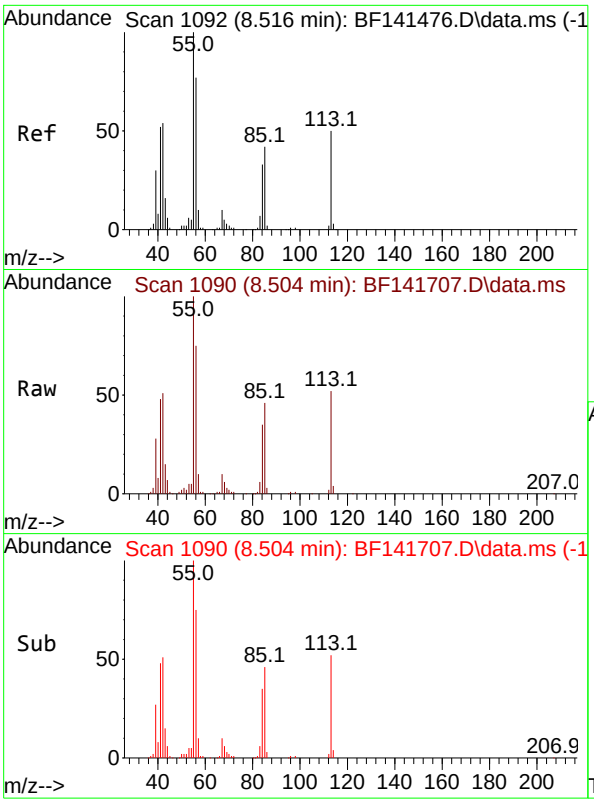


#34
Hexachlorobutadiene
Concen: 41.146 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:225 Resp: 136759

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.1	75.1
227	64.6	51.0	76.6



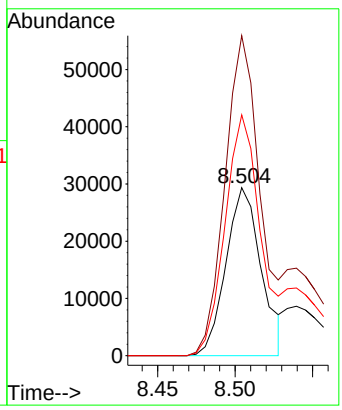


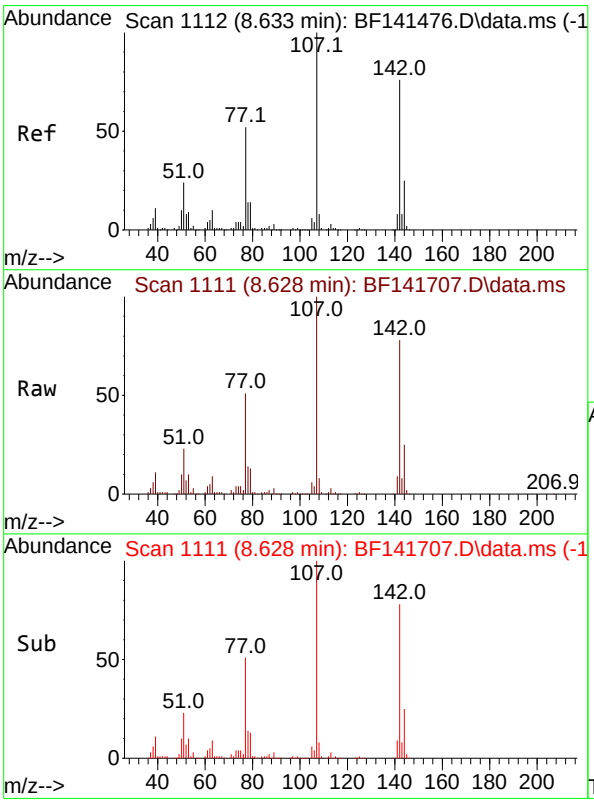
#35
Caprolactam
Concen: 29.966 ng
RT: 8.504 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 46387

Ion	Ratio	Lower	Upper
113	100		
55	190.5	180.8	220.8
56	143.4	133.6	173.6

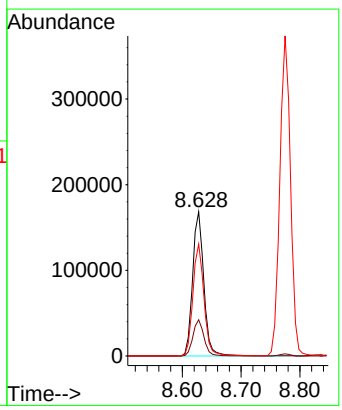


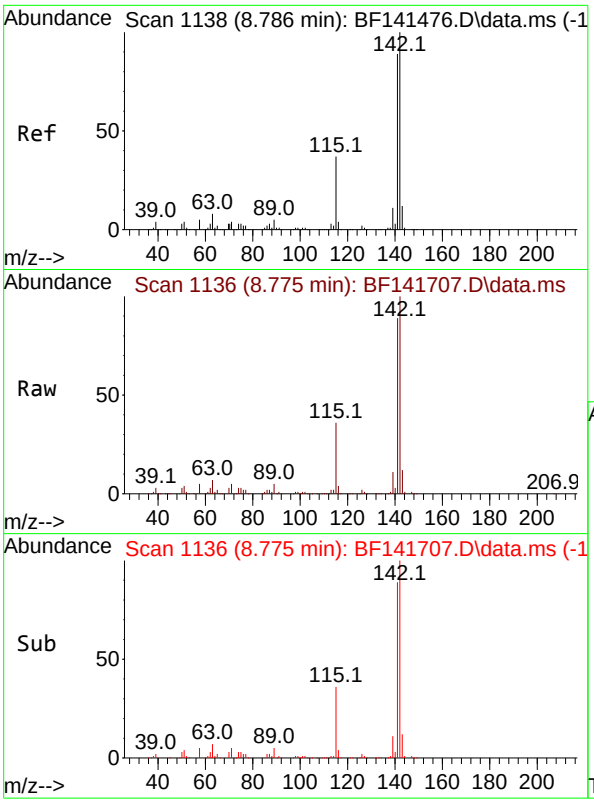


#36
4-Chloro-3-methylphenol
Concen: 39.707 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:107 Resp: 223621

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.7	29.5
142	77.6	60.8	91.2



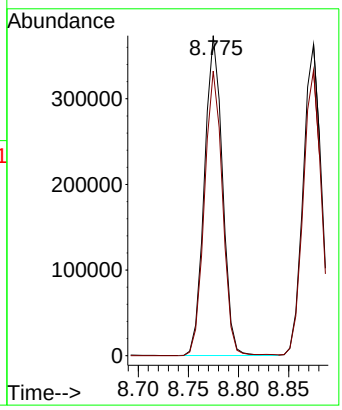


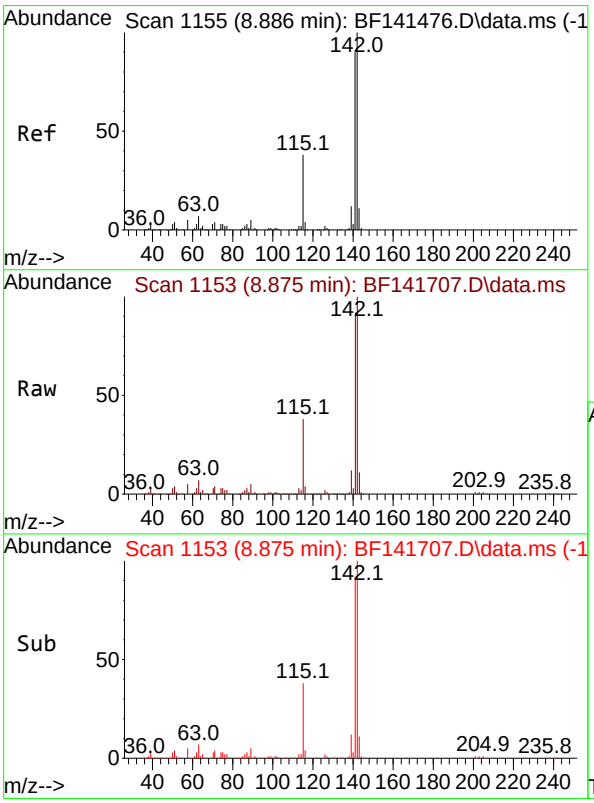
#37
2-Methylnaphthalene
Concen: 39.945 ng
RT: 8.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 468555

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

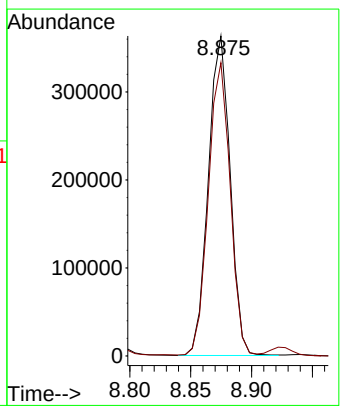


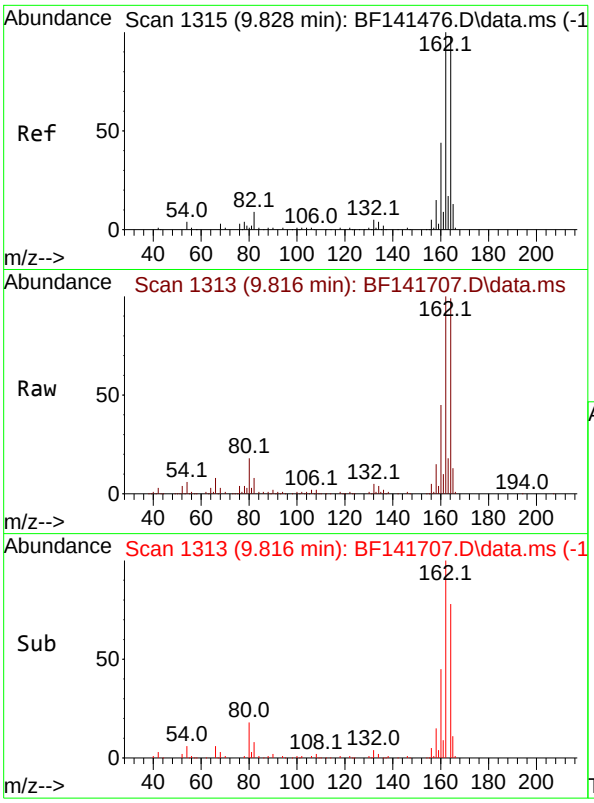


#38
1-Methylnaphthalene
Concen: 39.795 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:142 Resp: 452107

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.1	108.1



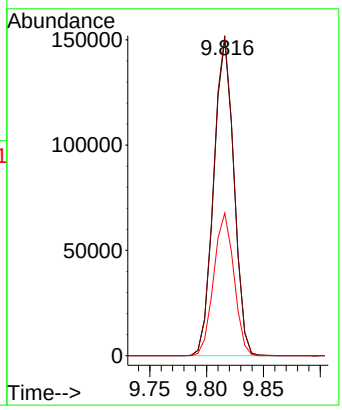


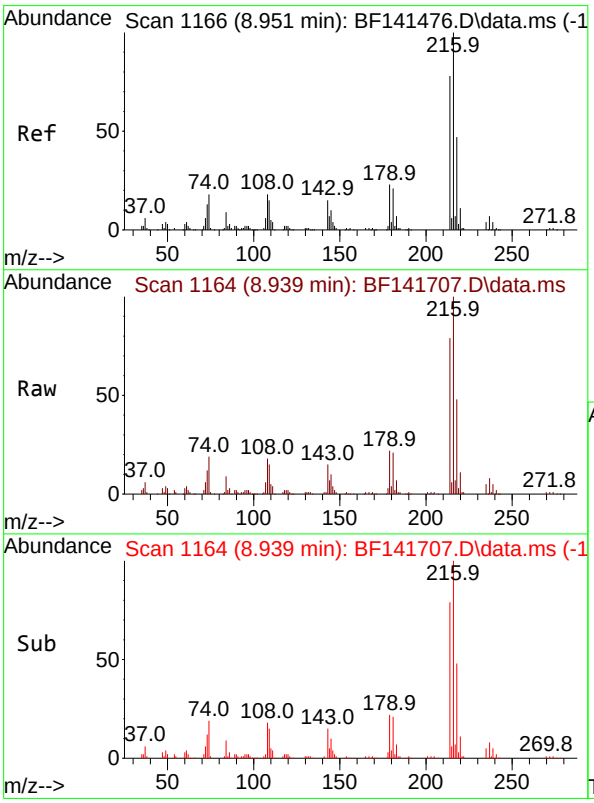
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 185494

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	45.1	35.9	53.9

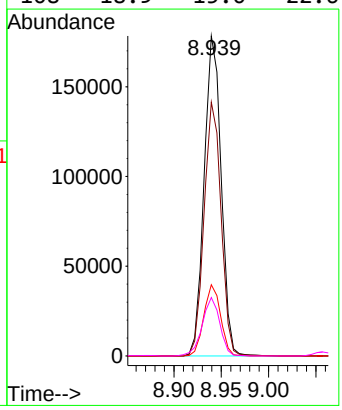


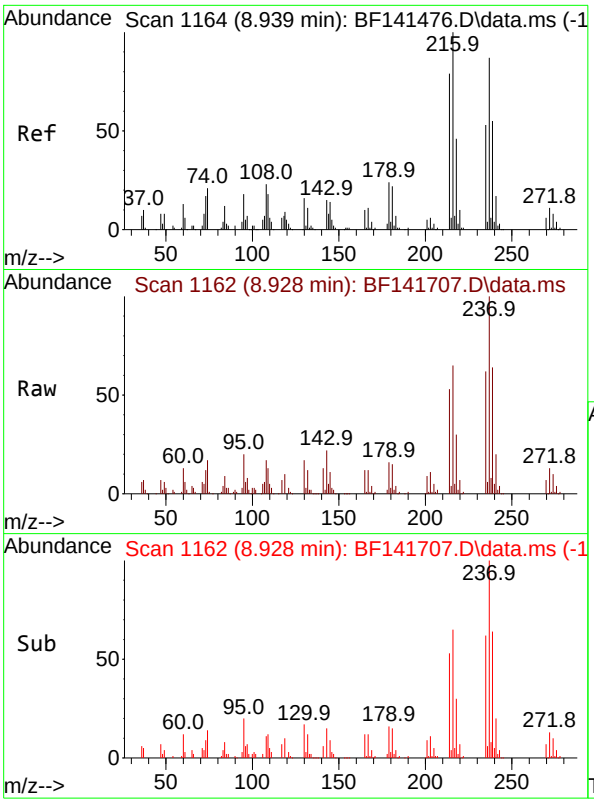


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.395 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:216 Resp: 222151

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.3	93.5
179	21.9	18.0	27.0
108	18.9	15.0	22.6



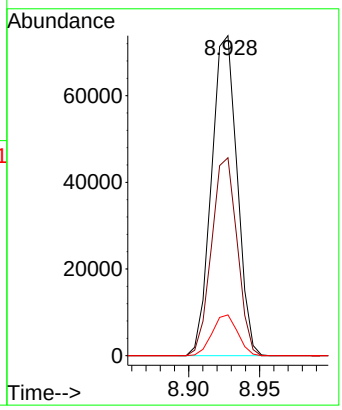


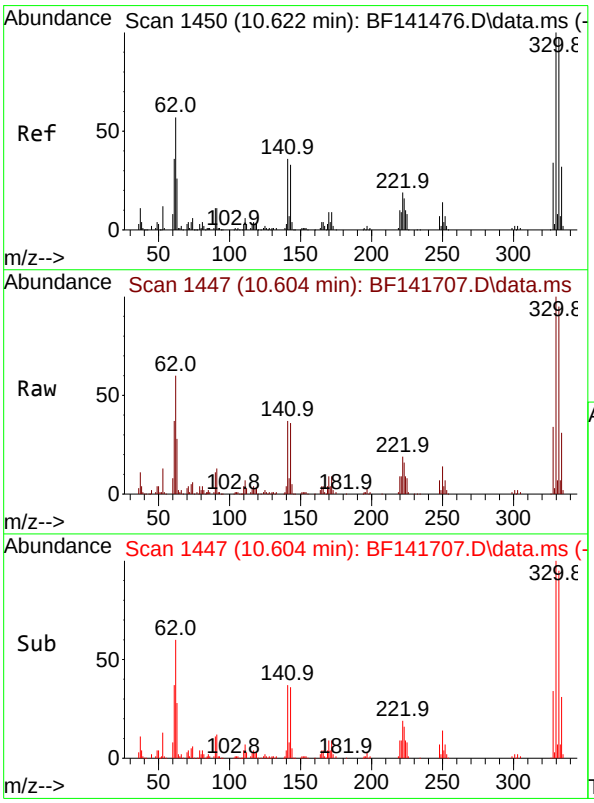
#41
Hexachlorocyclopentadiene
Concen: 52.019 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 92852

Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.4	81.4
272	12.8	0.0	32.4

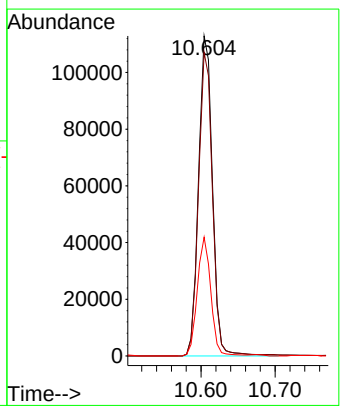


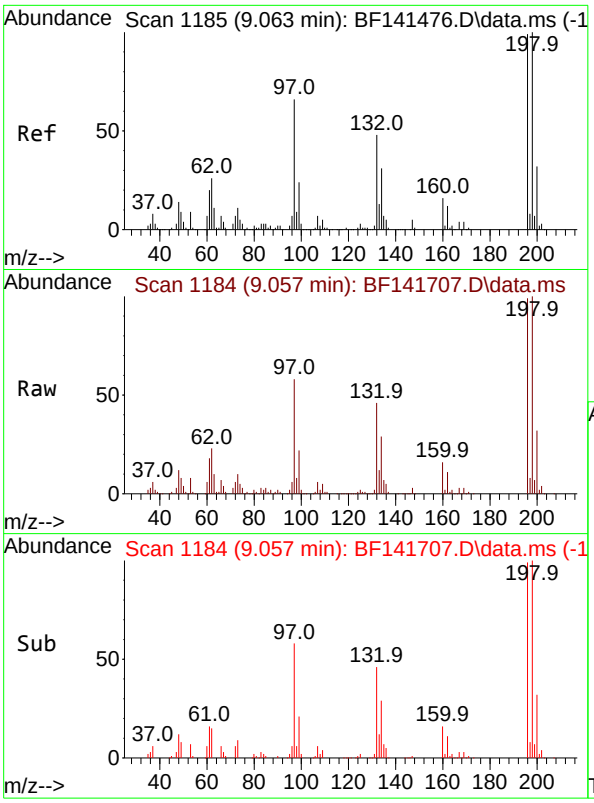


#42
2,4,6-Tribromophenol
Concen: 79.140 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:330 Resp: 147468

Ion	Ratio	Lower	Upper
330	100		
332	94.5	78.5	117.7
141	36.1	31.0	46.4



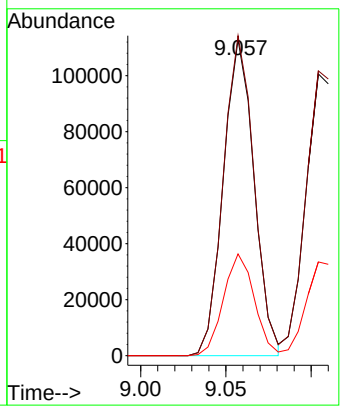


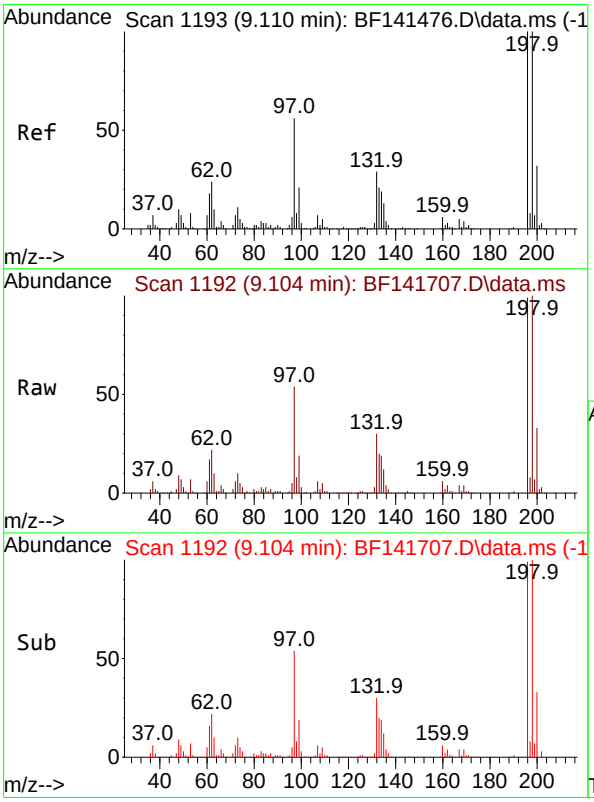
#43
2,4,6-Trichlorophenol
Concen: 40.855 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 141705

Ion	Ratio	Lower	Upper
196	100		
198	101.3	80.6	121.0
200	32.2	25.5	38.3

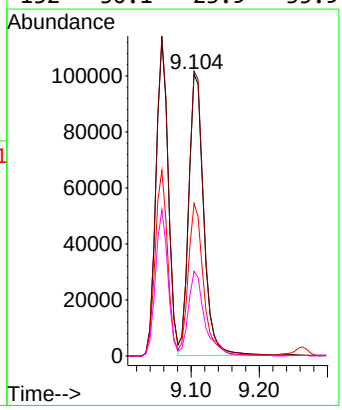


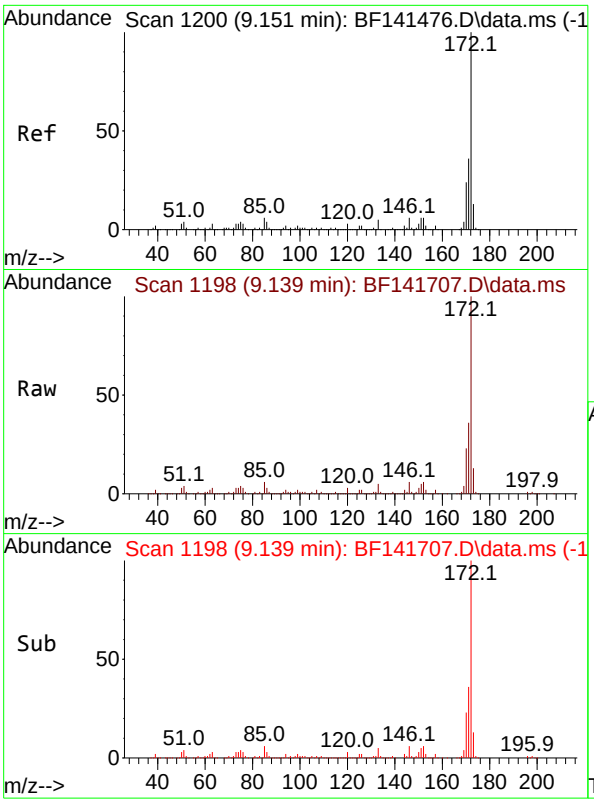


#44
2,4,5-Trichlorophenol
Concen: 40.484 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:196 Resp: 152182

Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.8	119.8
97	54.1	44.8	67.2
132	30.1	23.9	35.9



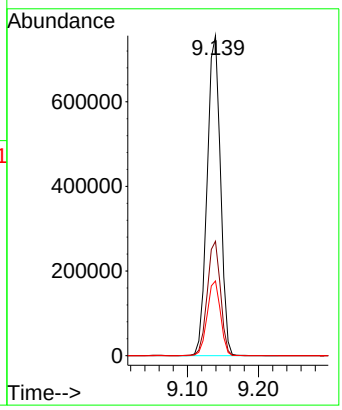


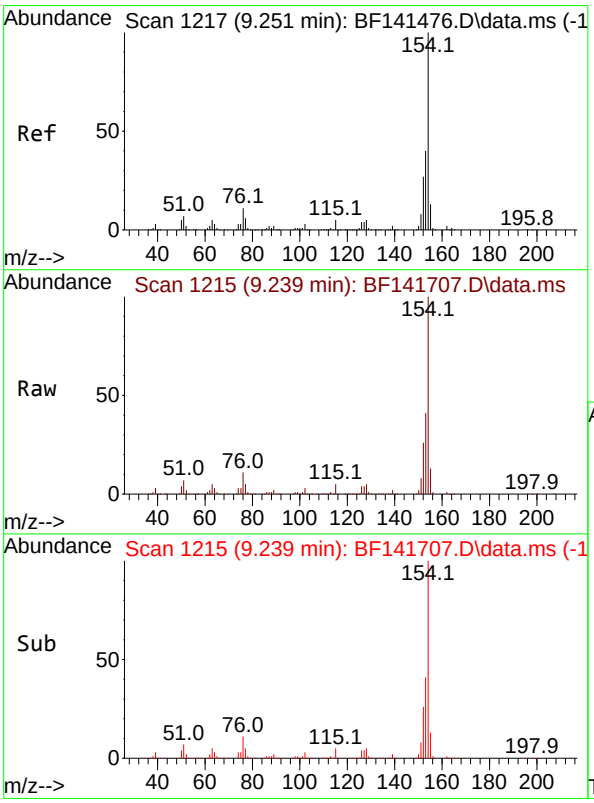
#45
2-Fluorobiphenyl
Concen: 81.821 ng
RT: 9.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 985125

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.4	18.9	28.3

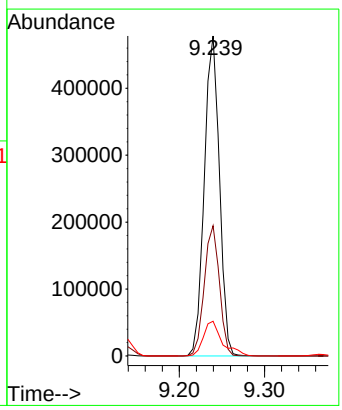


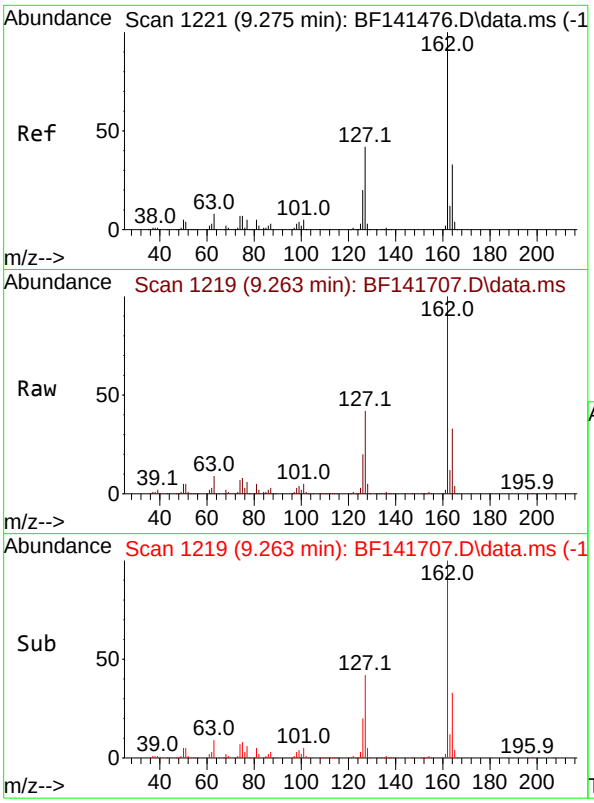


#46
1,1'-Biphenyl
Concen: 40.963 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:154 Resp: 589083

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.4	60.4
76	10.9	0.0	30.8



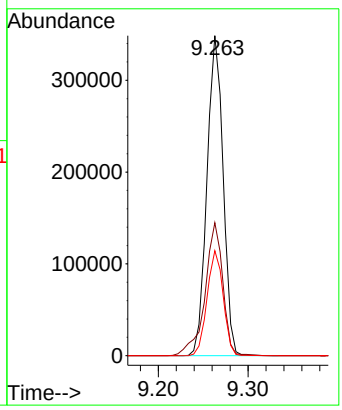


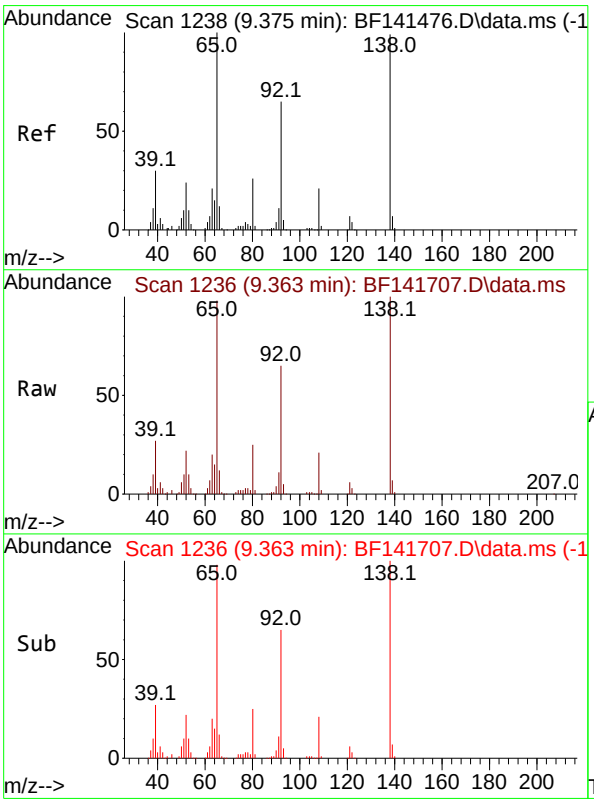
#47
2-Chloronaphthalene
Concen: 41.034 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 436372

Ion	Ratio	Lower	Upper
162	100		
127	41.5	34.1	51.1
164	32.8	26.3	39.5

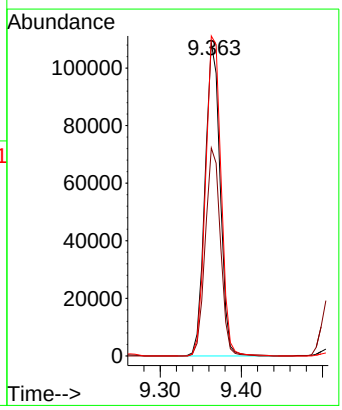


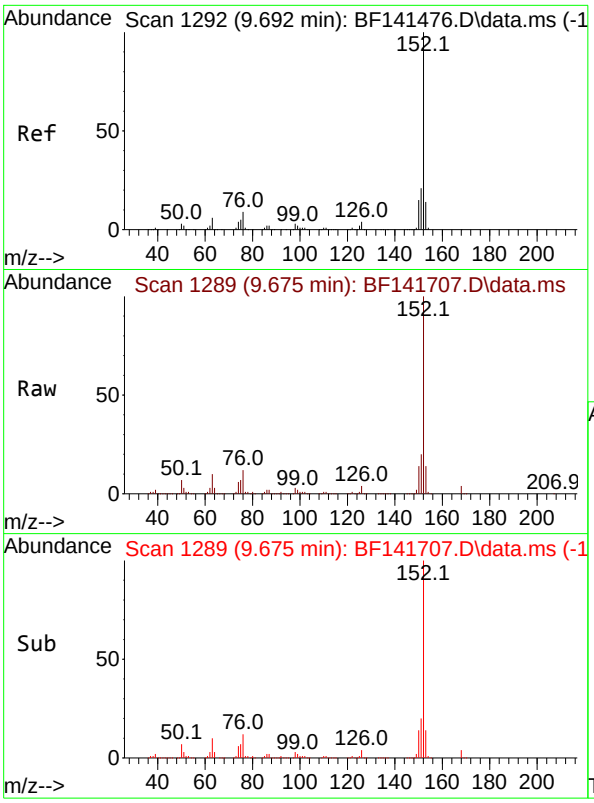


#48
2-Nitroaniline
Concen: 39.348 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion: 65 Resp: 140428

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.2	78.2
138	102.2	79.5	119.3



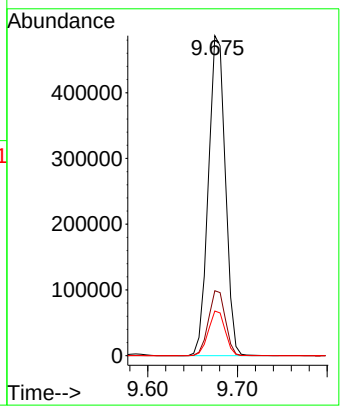


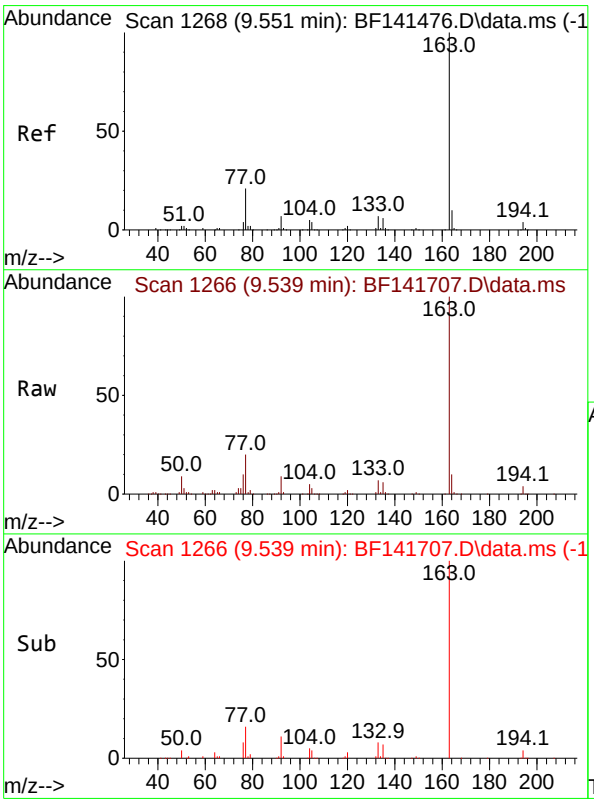
#49
Acenaphthylene
Concen: 40.245 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 636570

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.9	10.9	16.3

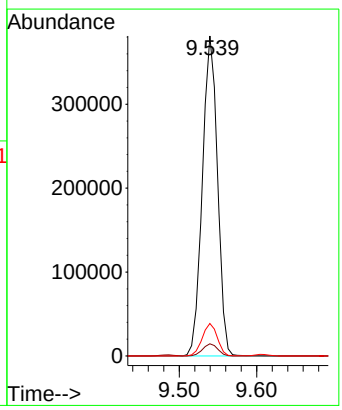


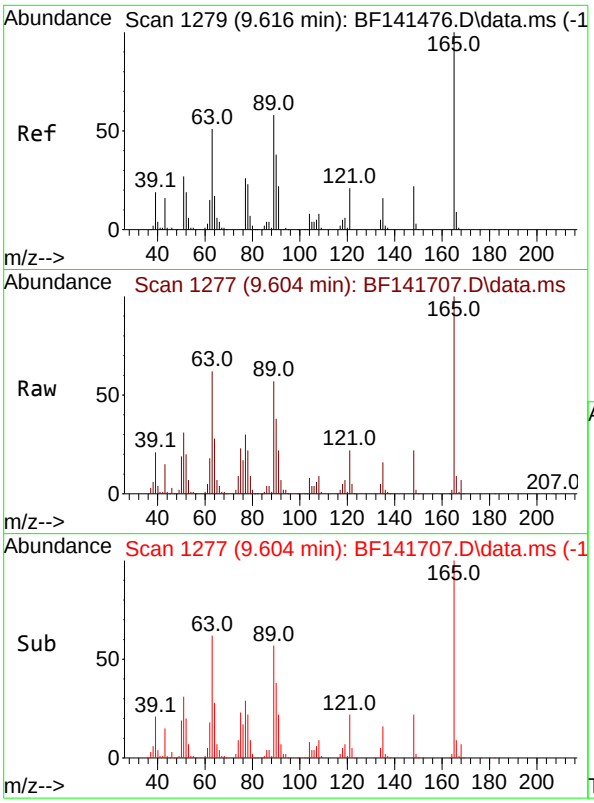


#50
Dimethylphthalate
Concen: 41.114 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:163 Resp: 517733

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	7.9	11.9



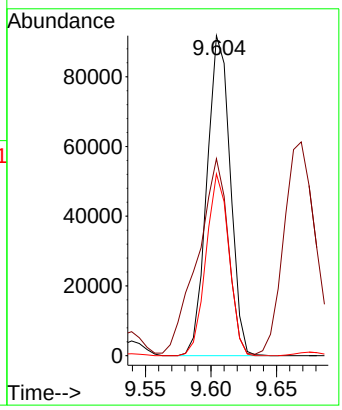


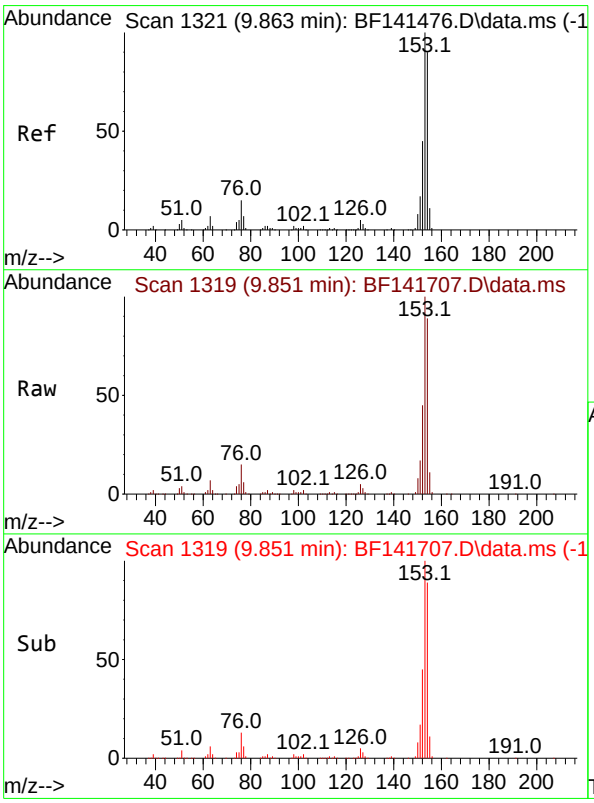
#51
2,6-Dinitrotoluene
Concen: 41.165 ng
RT: 9.604 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 113320

Ion	Ratio	Lower	Upper
165	100		
63	61.5	49.4	74.0
89	56.8	46.5	69.7

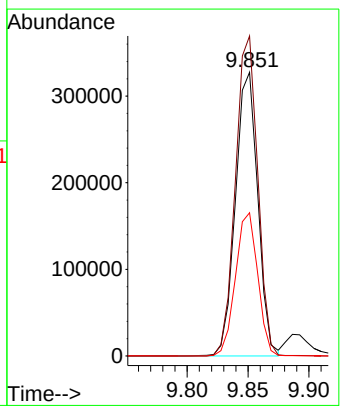


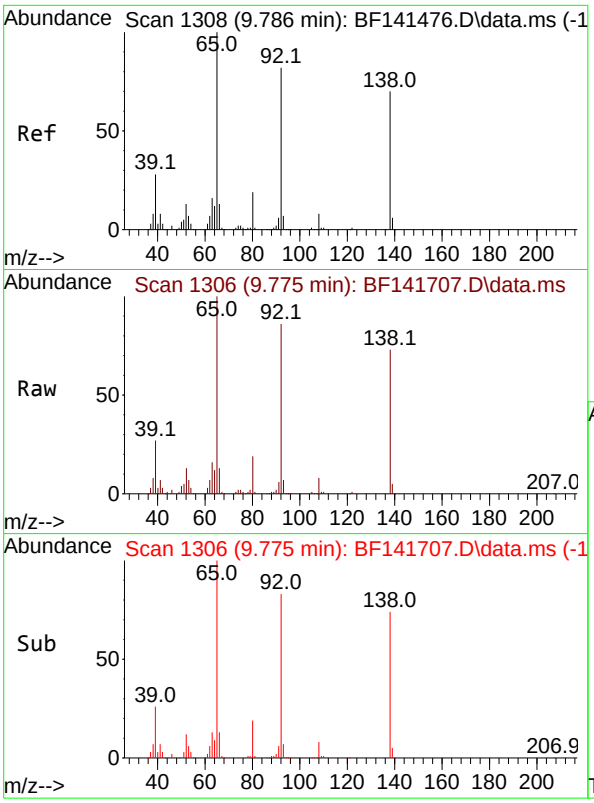


#52
Acenaphthene
Concen: 39.387 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:154 Resp: 418833

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.2	133.8
152	50.5	39.8	59.8



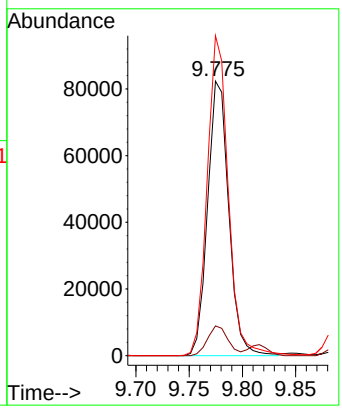


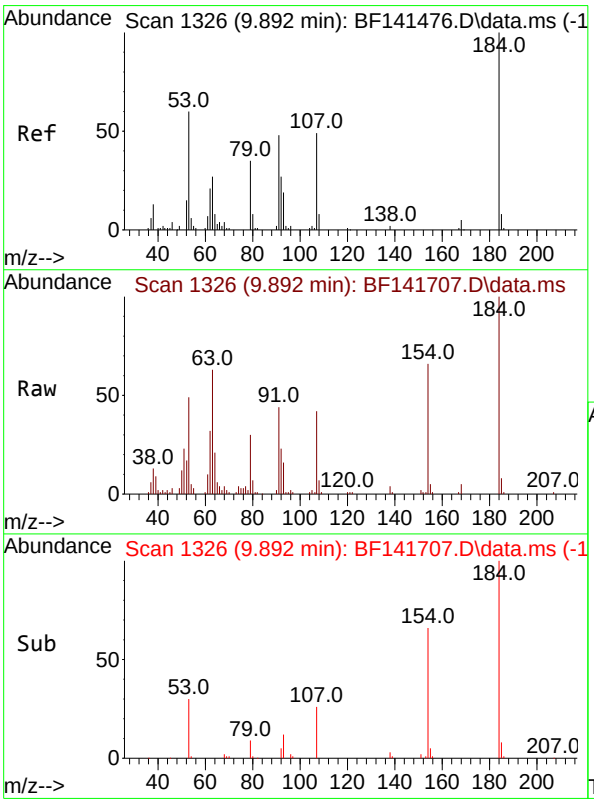
#53
3-Nitroaniline
Concen: 38.451 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 113925

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.0	13.4
92	116.5	93.7	140.5

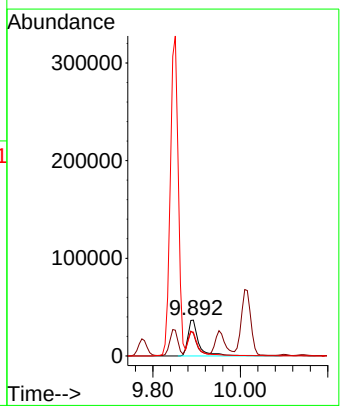


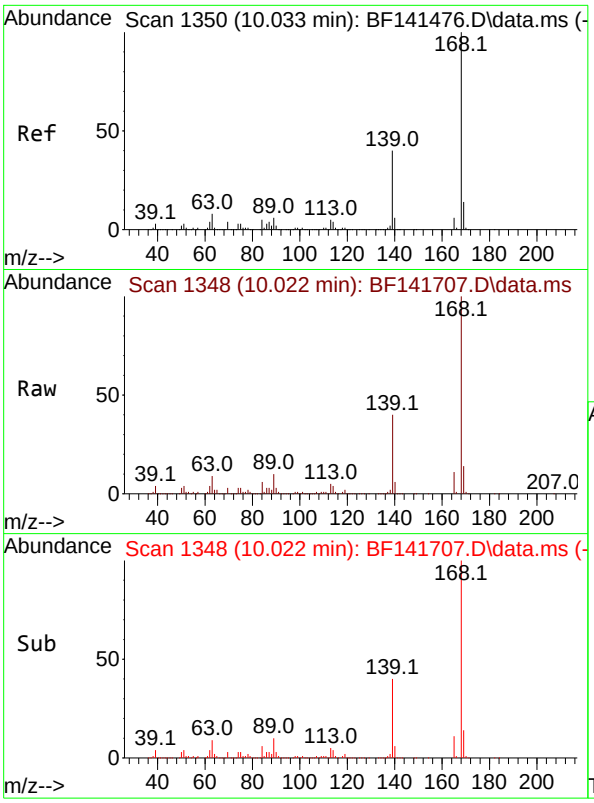


#54
2,4-Dinitrophenol
Concen: 39.281 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:184 Resp: 64268

Ion	Ratio	Lower	Upper
184	100		
63	63.0	61.0	91.6
154	66.2	59.9	89.9



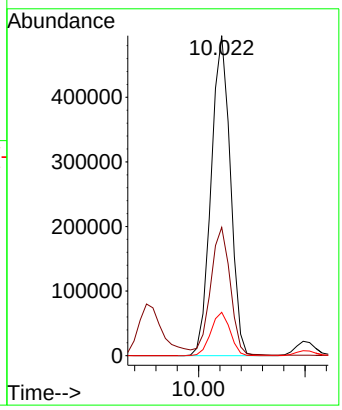


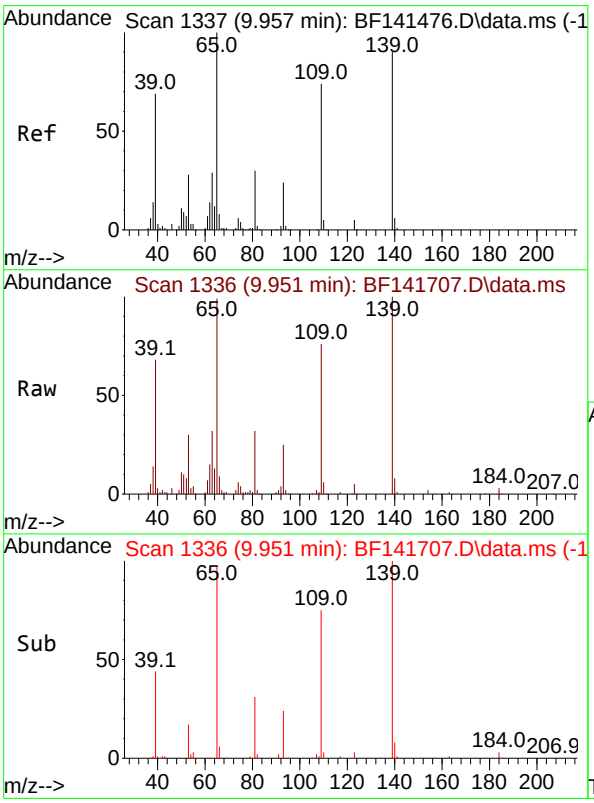
#55
Dibenzofuran
Concen: 39.676 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 619287

Ion	Ratio	Lower	Upper
168	100		
139	40.1	32.7	49.1
169	13.5	10.8	16.2

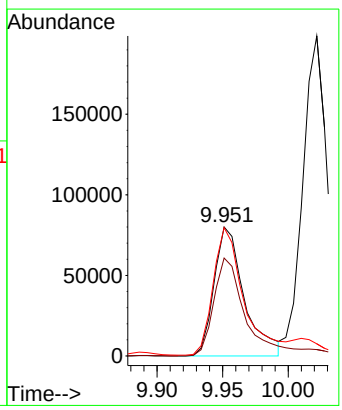


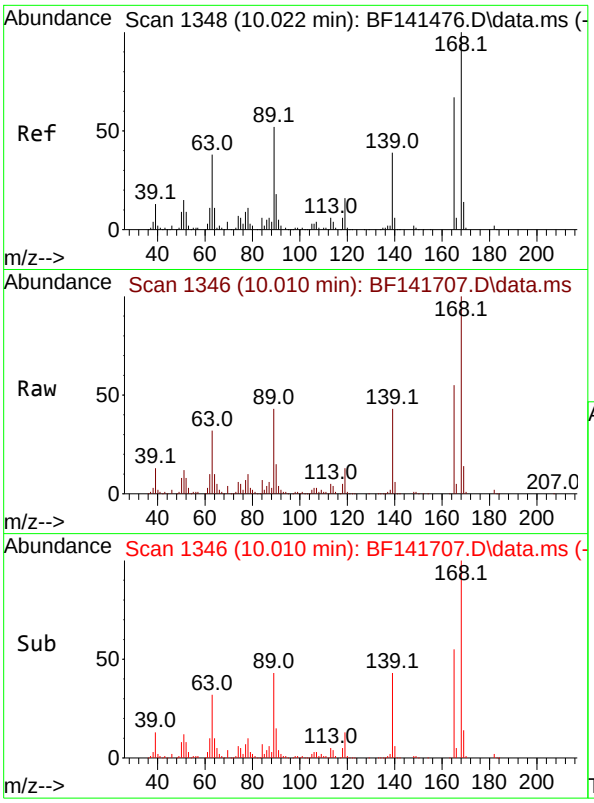


#56
4-Nitrophenol
Concen: 58.361 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:139 Resp: 128362

Ion	Ratio	Lower	Upper
139	100		
109	75.9	62.0	102.0
65	99.5	91.2	131.2



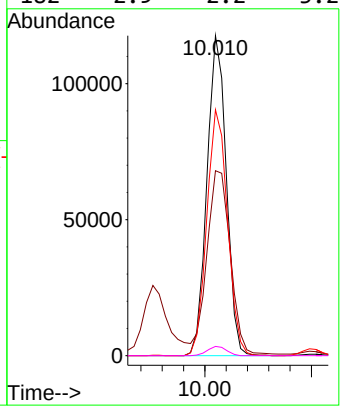


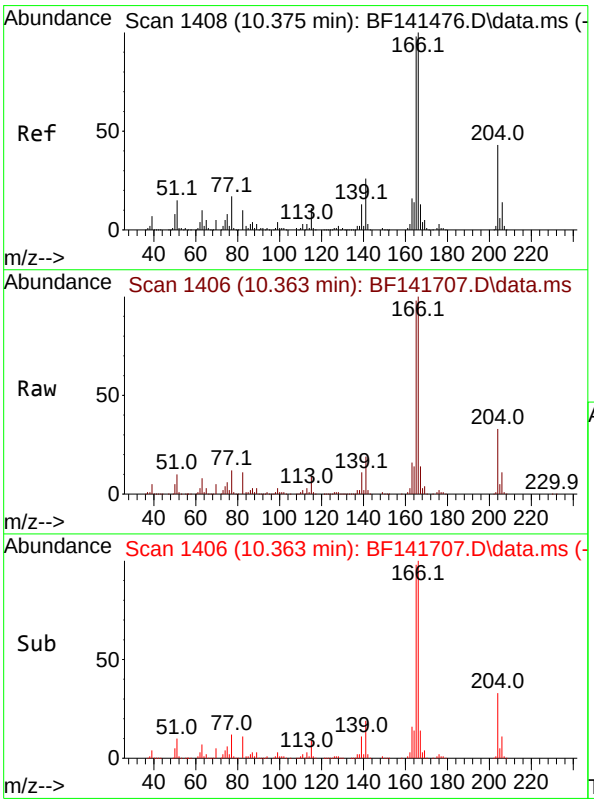
#57
2,4-Dinitrotoluene
Concen: 40.436 ng
RT: 10.010 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 148187

Ion	Ratio	Lower	Upper
165	100		
63	57.8	46.4	69.6
89	76.9	61.8	92.6
182	2.9	2.2	3.2

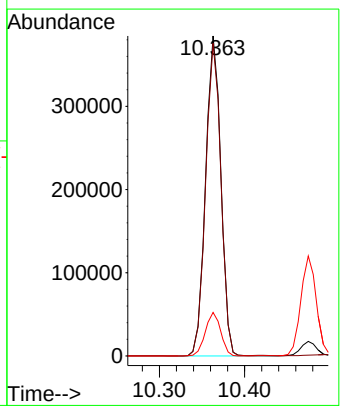


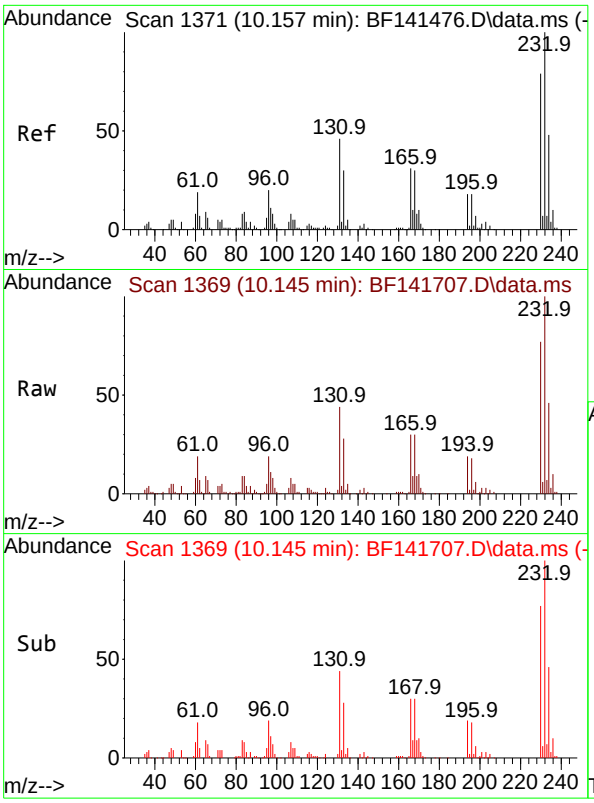


#58
Fluorene
Concen: 39.706 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:166 Resp: 479194

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.6	10.7	16.1



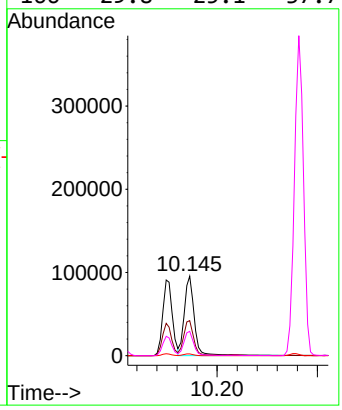


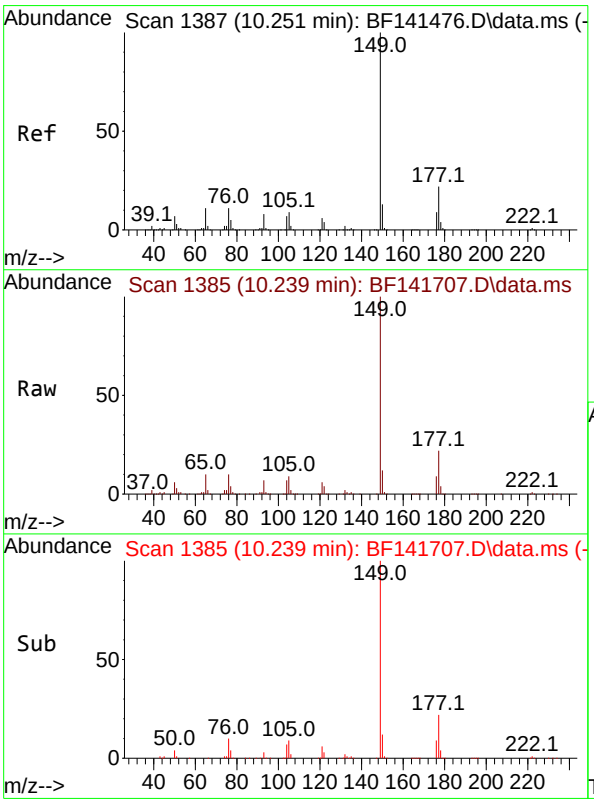
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.303 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 130431

Ion	Ratio	Lower	Upper
232	100		
131	44.9	39.2	58.8
130	2.2	2.1	3.1
166	29.8	25.1	37.7

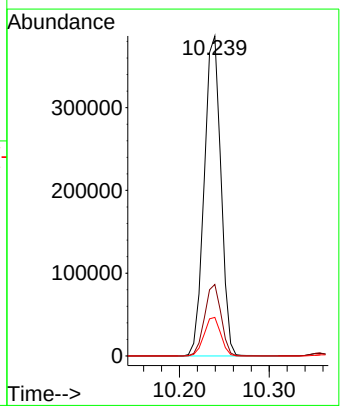


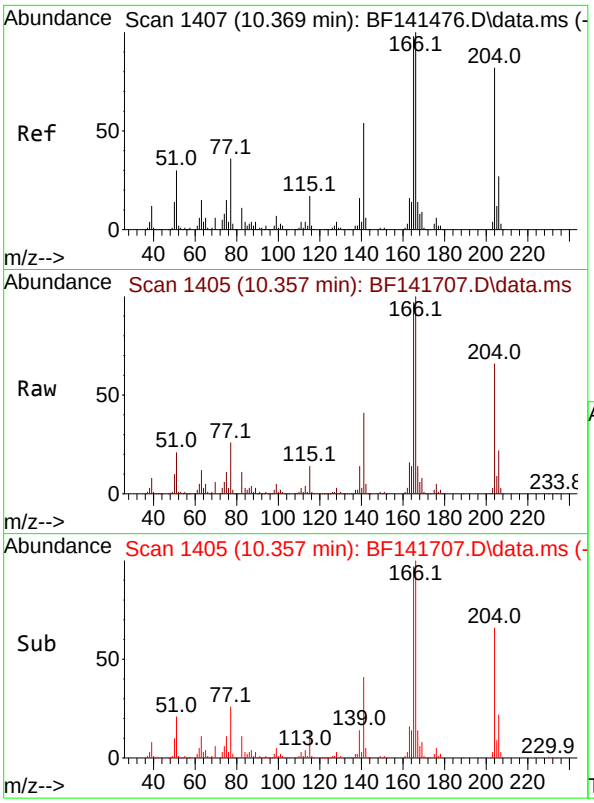


#60
Diethylphthalate
Concen: 40.216 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 498264

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.6
150	12.0	10.1	15.1



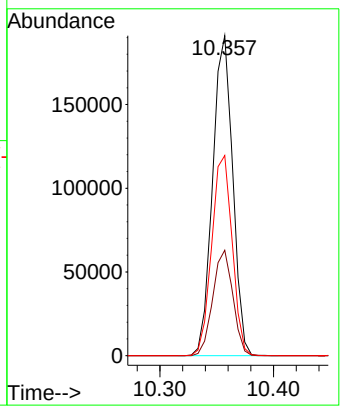


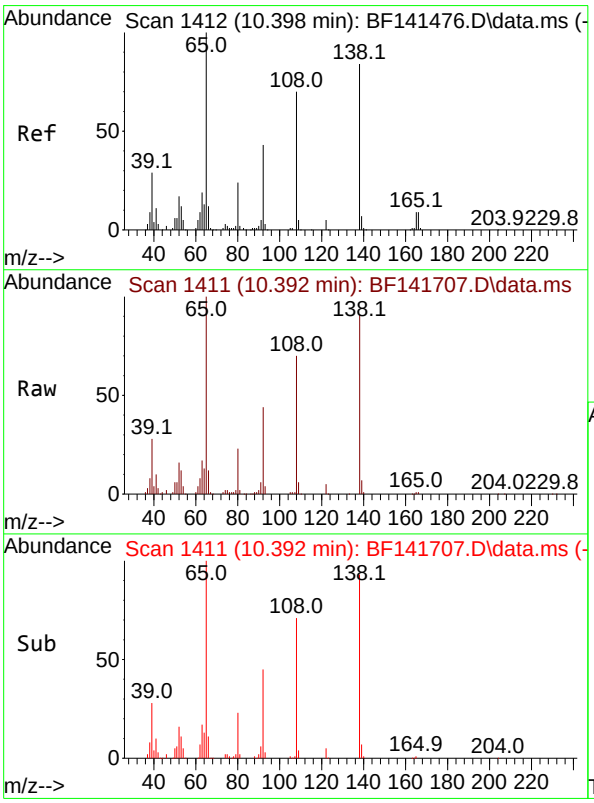
#61
4-Chlorophenyl-phenylether
Concen: 40.461 ng
RT: 10.357 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 234915

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	62.5	51.9	77.9

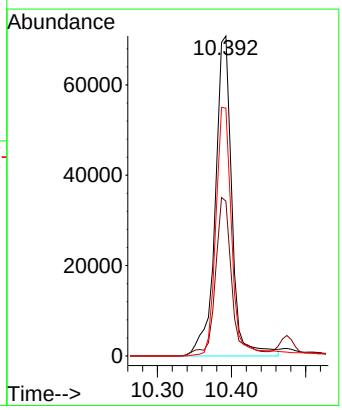


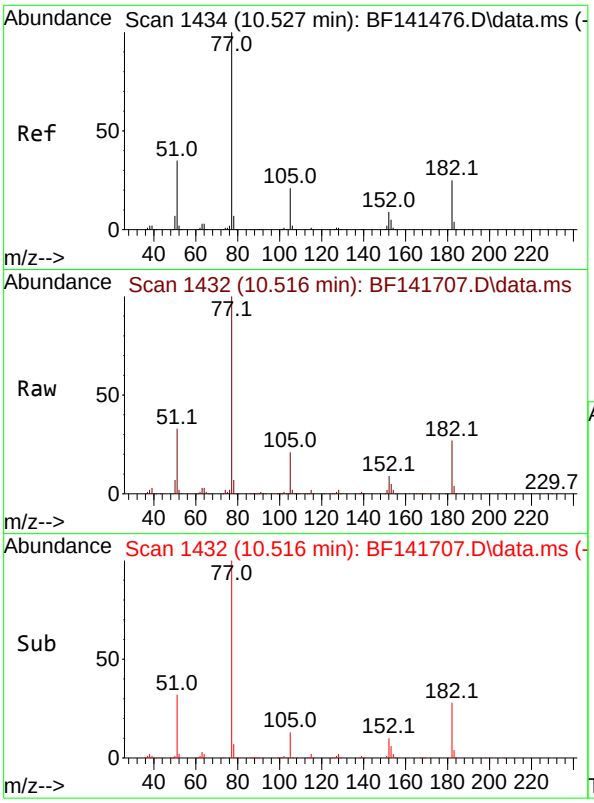


#62
4-Nitroaniline
Concen: 36.727 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:138 Resp: 110495

Ion	Ratio	Lower	Upper
138	100		
92	48.4	31.3	71.3
108	77.4	63.7	103.7



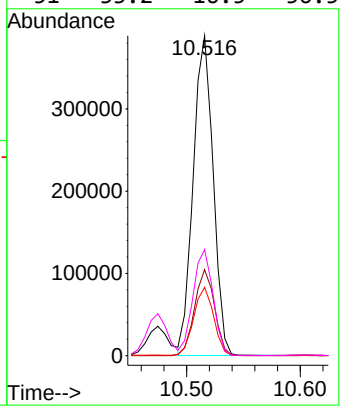


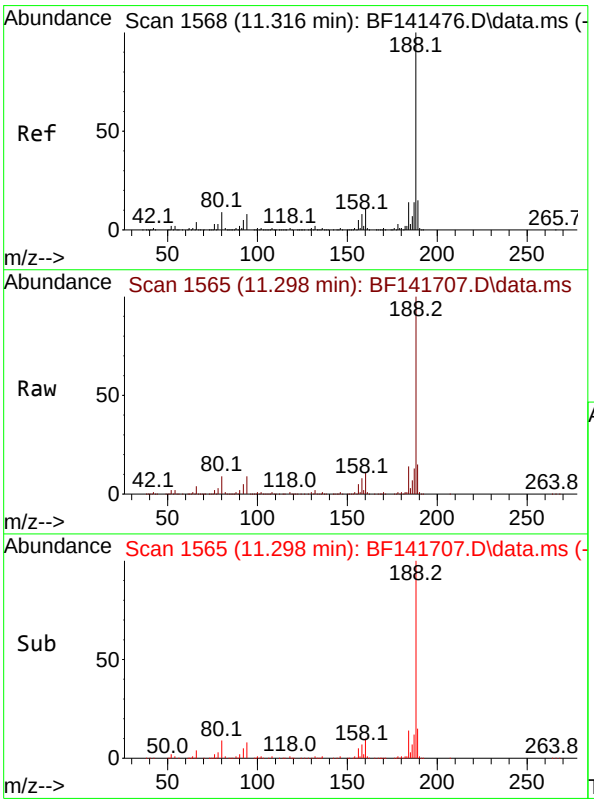
#63
Azobenzene
Concen: 38.532 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 474593

Ion	Ratio	Lower	Upper
77	100		
182	26.9	4.7	44.7
105	21.4	0.4	40.4
51	33.2	16.5	56.5

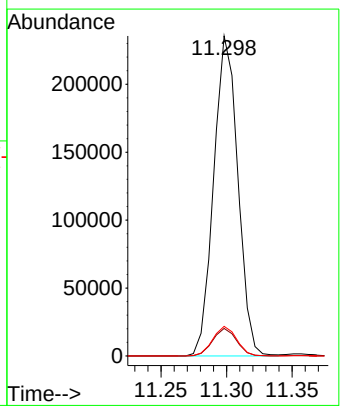


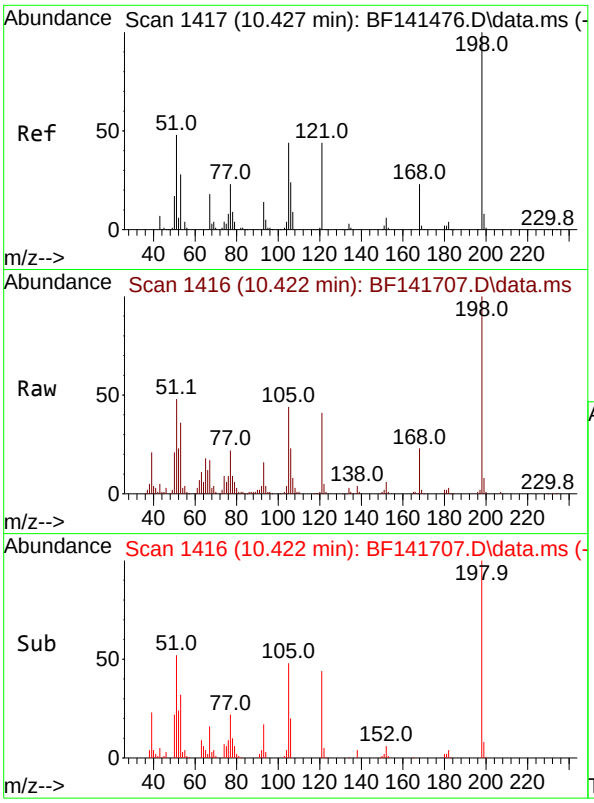


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:188 Resp: 301785

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9



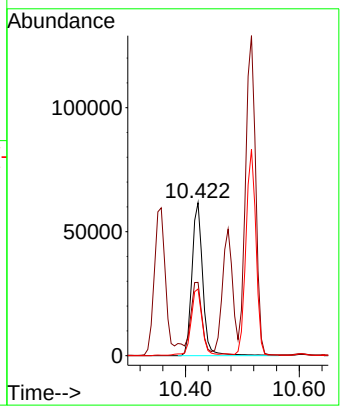


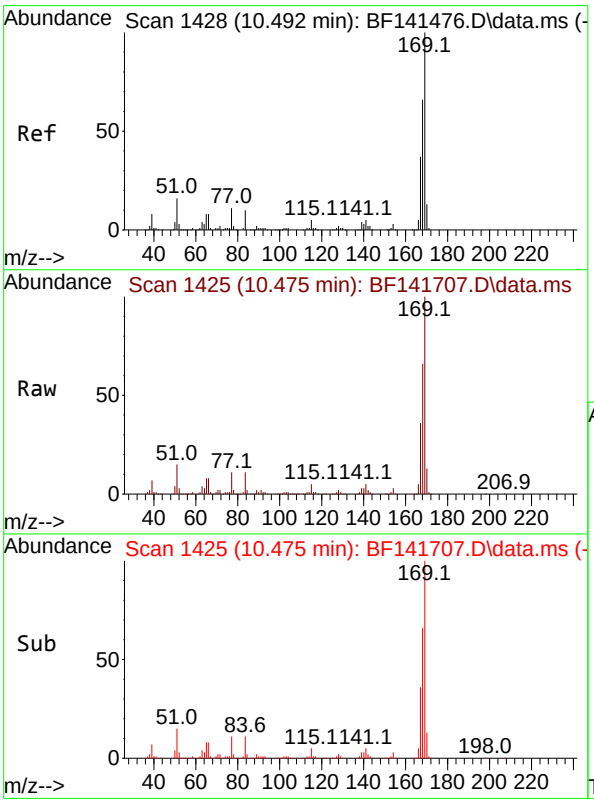
#65
4,6-Dinitro-2-methylphenol
Concen: 39.122 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 82013

Ion	Ratio	Lower	Upper
198	100		
51	47.9	37.4	77.4
105	43.7	25.2	65.2

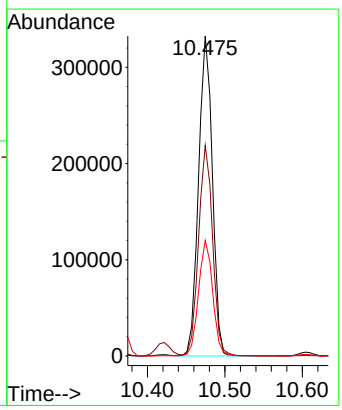


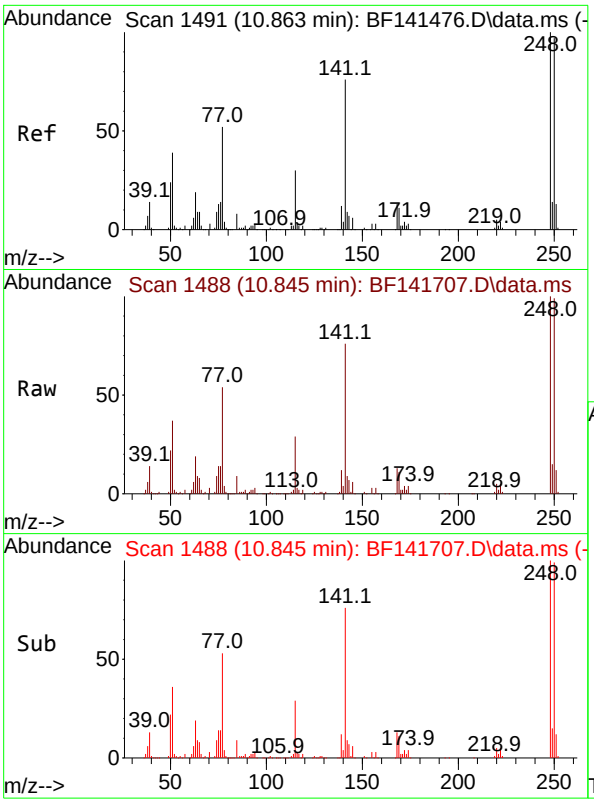


#66
n-Nitrosodiphenylamine
Concen: 42.691 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:169 Resp: 412415

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.3	79.9
167	36.1	29.4	44.2



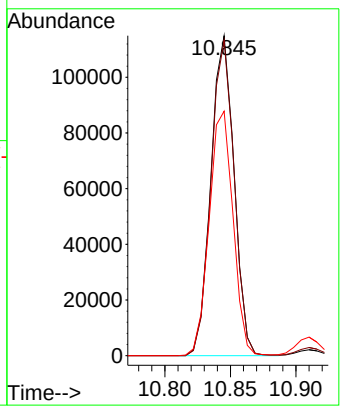


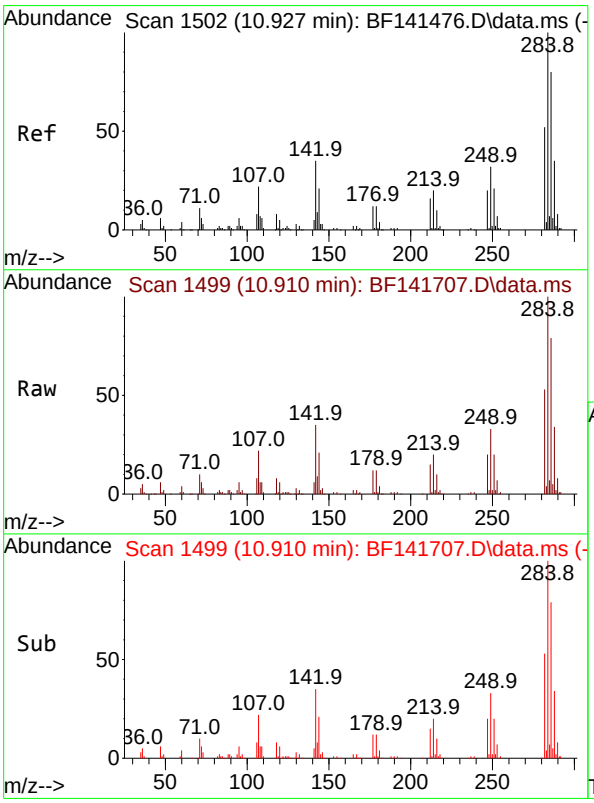
#67
4-Bromophenyl-phenylether
Concen: 41.918 ng
RT: 10.845 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 141384

Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.8	116.6
141	76.4	60.6	90.8

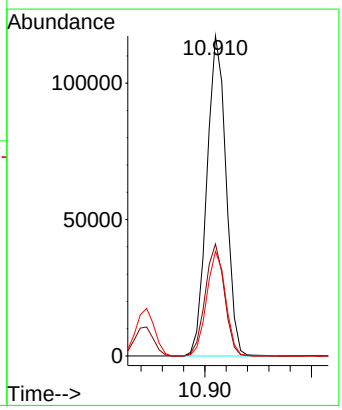


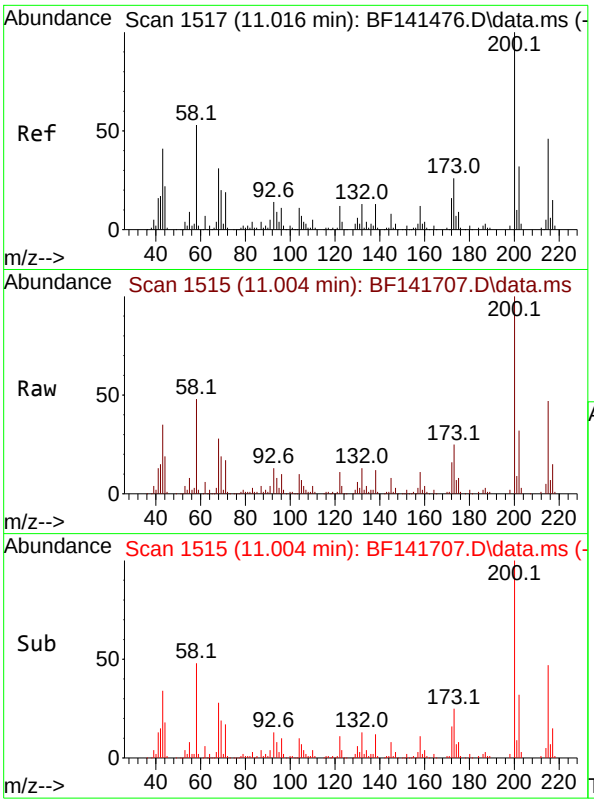


#68
Hexachlorobenzene
Concen: 42.297 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:284 Resp: 146904

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.0	42.0
249	32.7	25.8	38.8



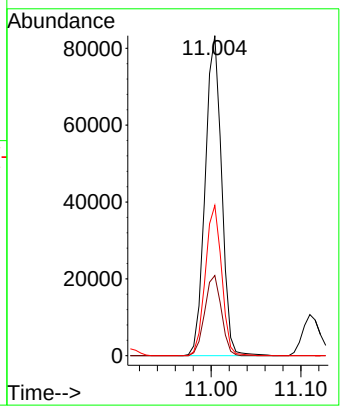


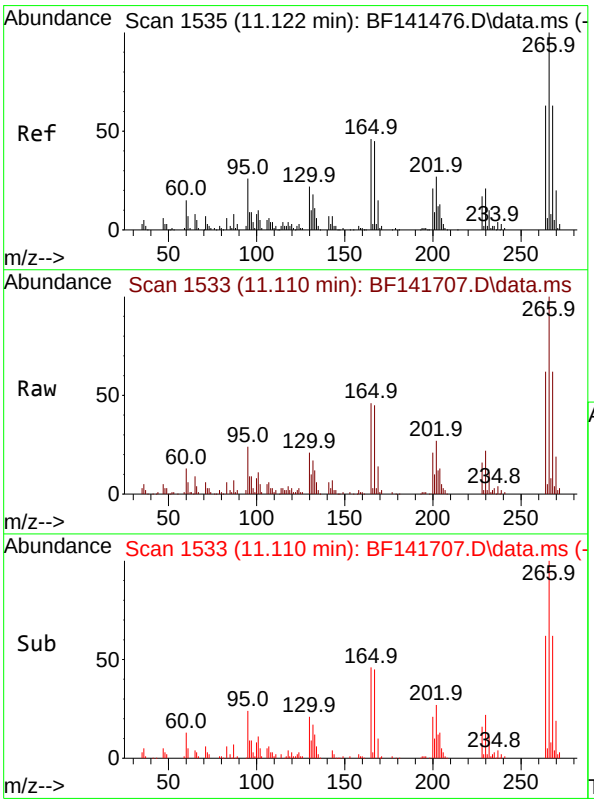
#69
Atrazine
Concen: 36.491 ng
RT: 11.004 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 105755

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.9	45.9
215	46.9	25.9	65.9

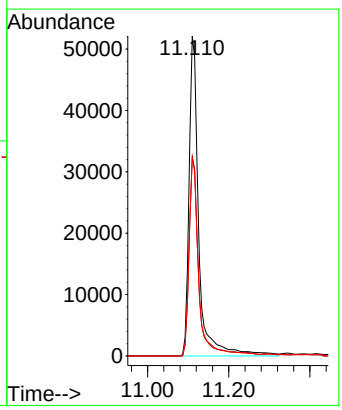


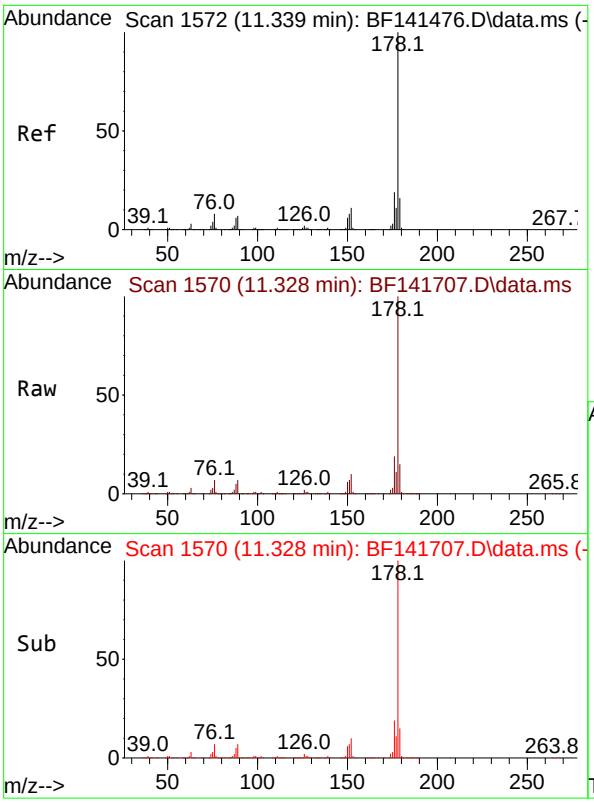


#70
Pentachlorophenol
Concen: 39.252 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:266 Resp: 87169

Ion	Ratio	Lower	Upper
266	100		
268	62.3	50.1	75.1
264	62.1	50.1	75.1



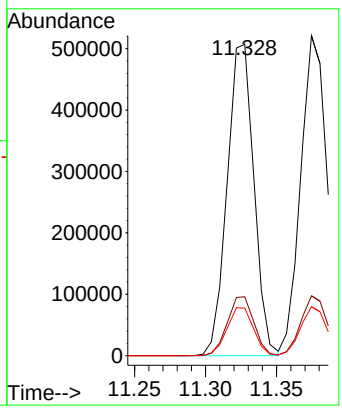


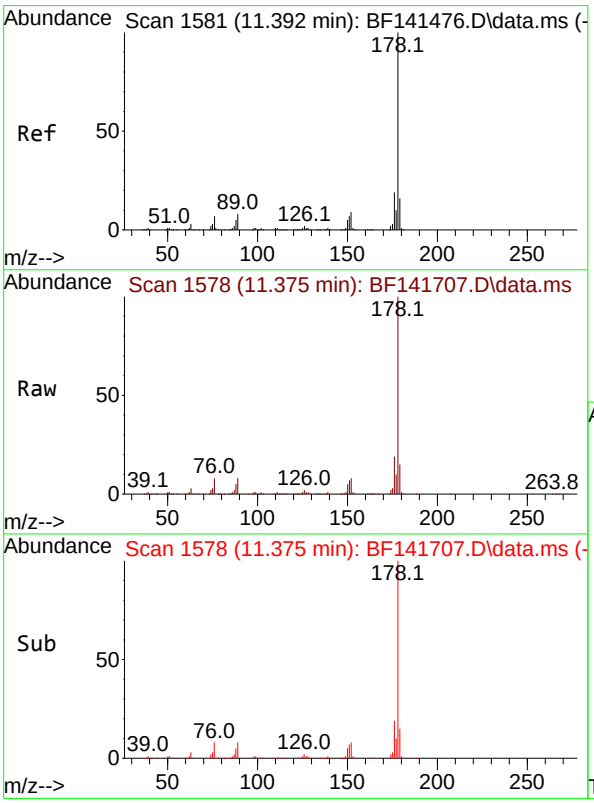
#71
Phenanthrene
Concen: 40.083 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 665850

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.3	12.4	18.6

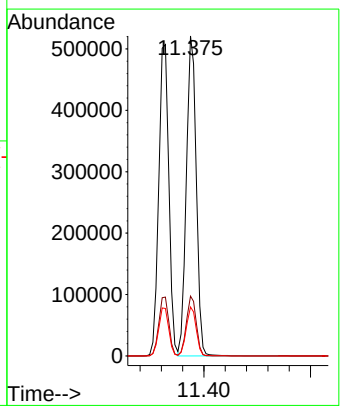


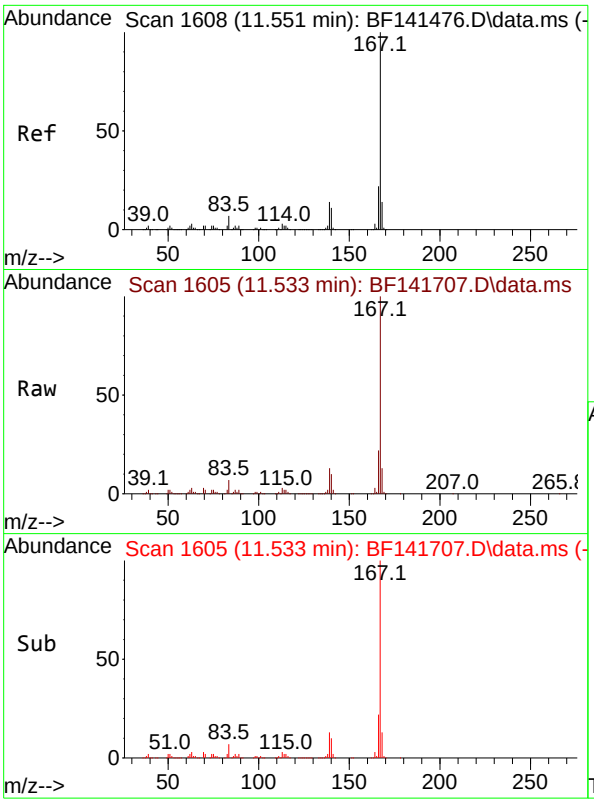


#72
Anthracene
Concen: 40.284 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:178 Resp: 672708

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.3	12.4	18.6



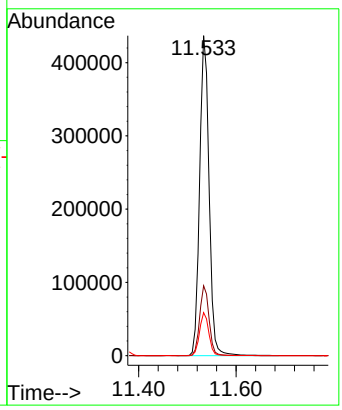


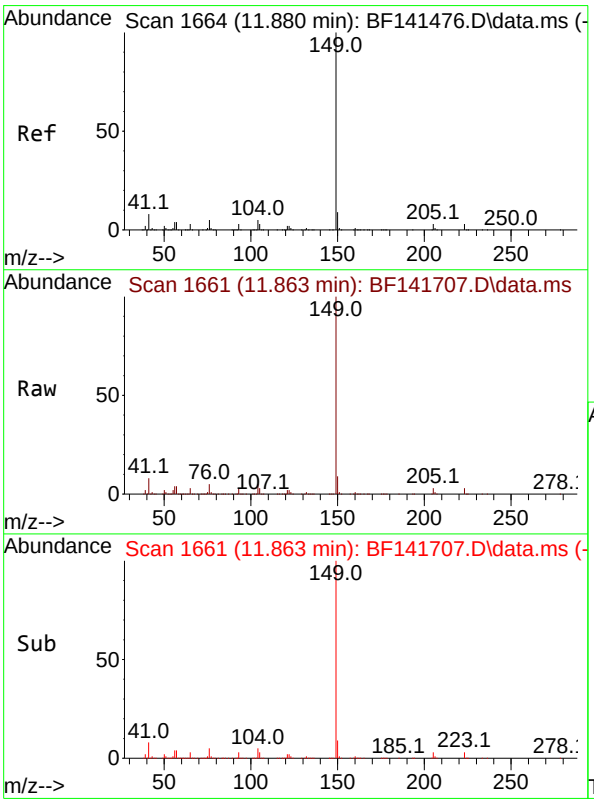
#73
Carbazole
Concen: 39.140 ng
RT: 11.533 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 588101

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.4	10.9	16.3

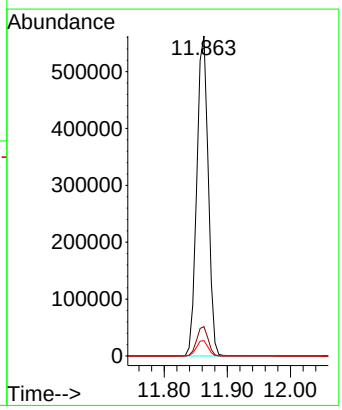


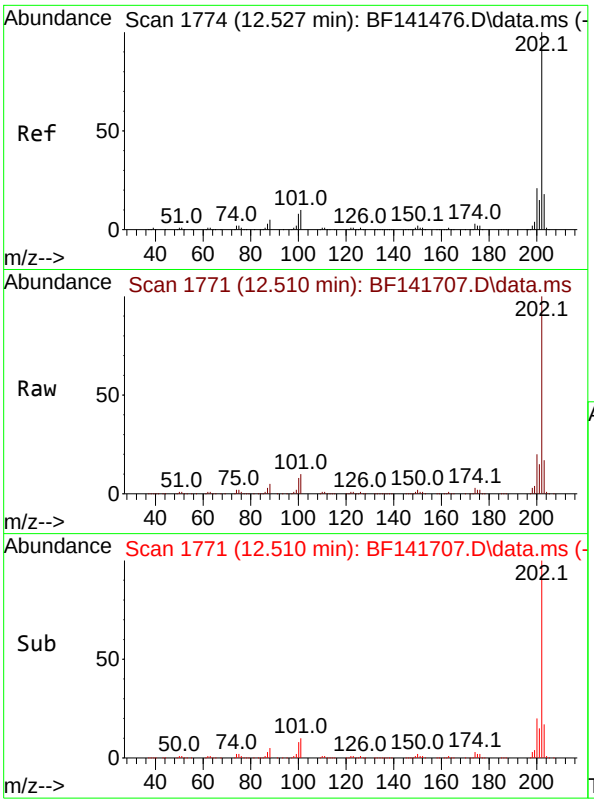


#74
Di-n-butylphthalate
Concen: 40.647 ng
RT: 11.863 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 705215

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	4.2	6.2



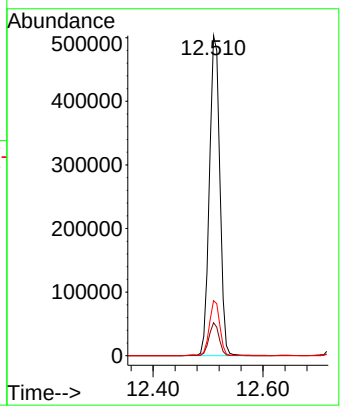


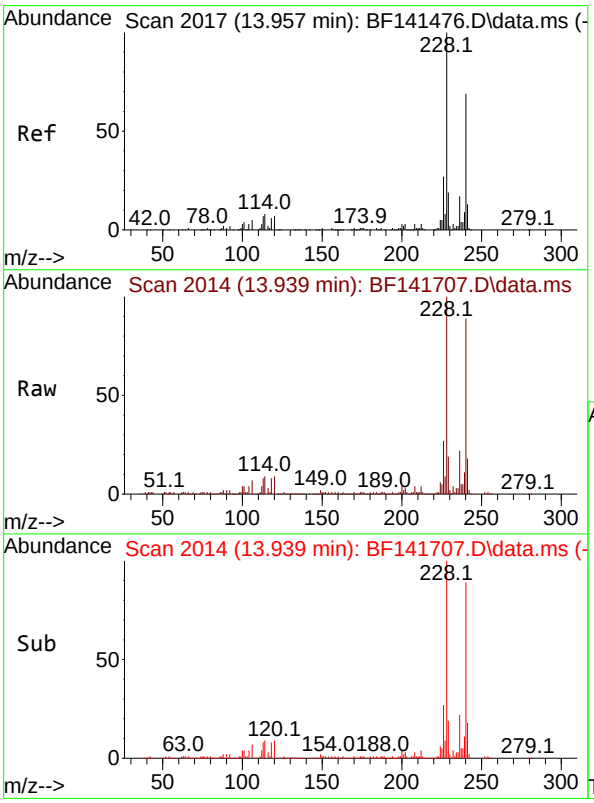
#75
Fluoranthene
Concen: 37.569 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 661652

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.2	0.0	37.6

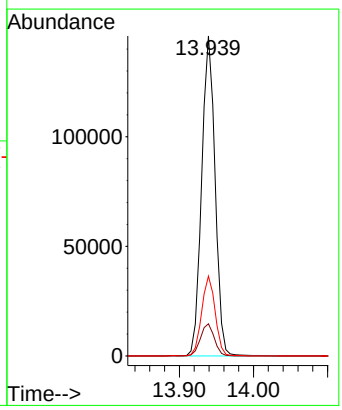


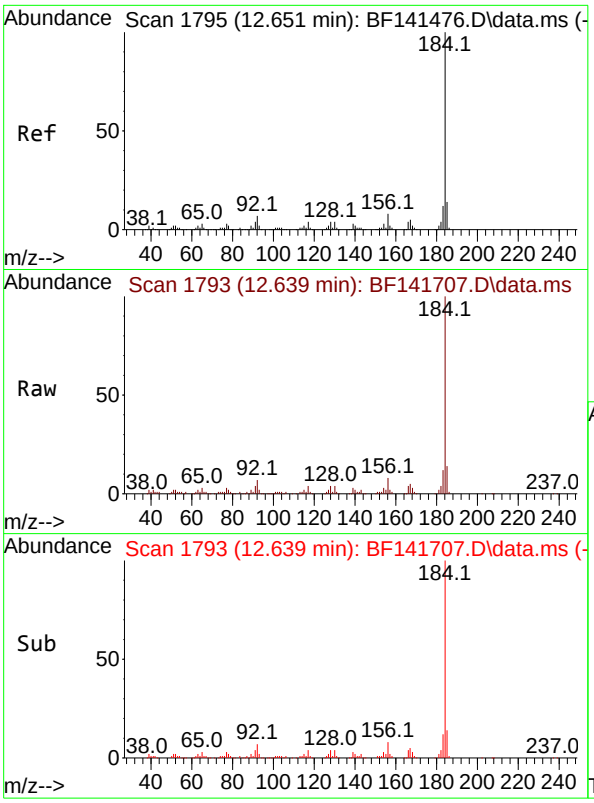


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:240 Resp: 183935

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.9	19.8	29.8



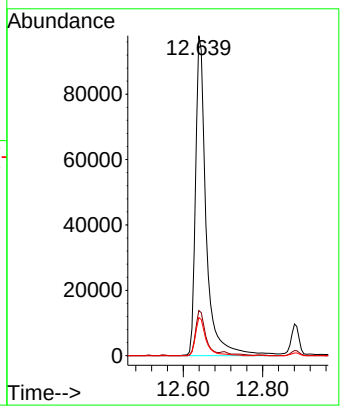


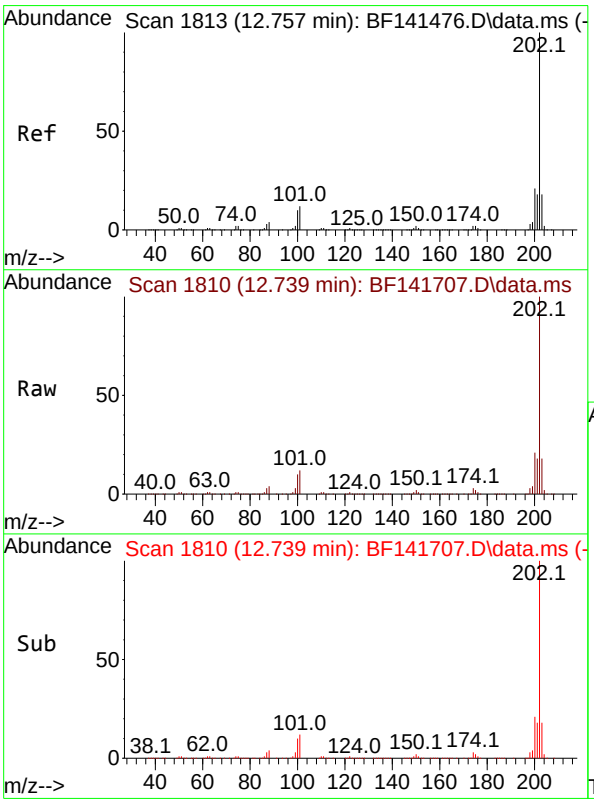
#77
Benzidine
Concen: 45.009 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 182580

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.9	9.3	13.9

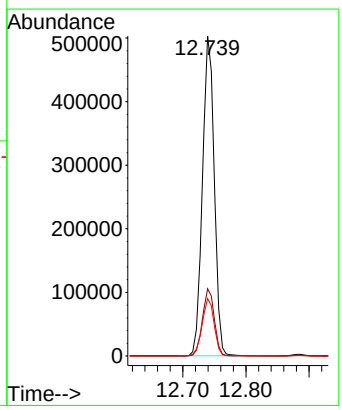


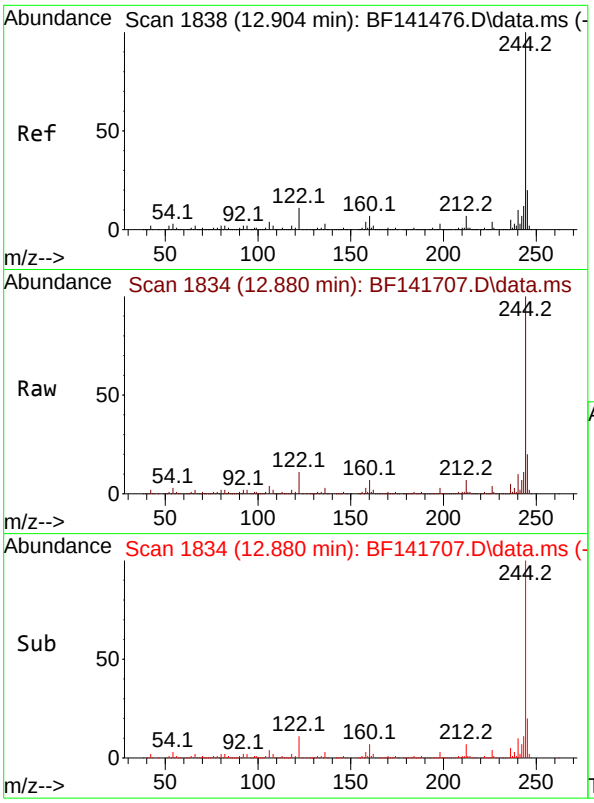


#78
Pyrene
Concen: 41.757 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:202 Resp: 653830

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.0	14.3	21.5



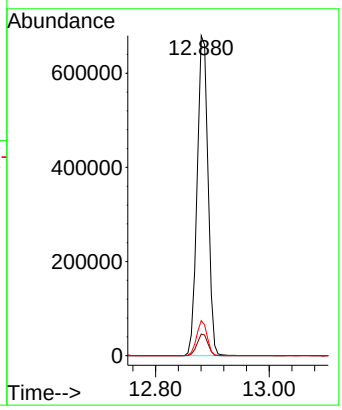


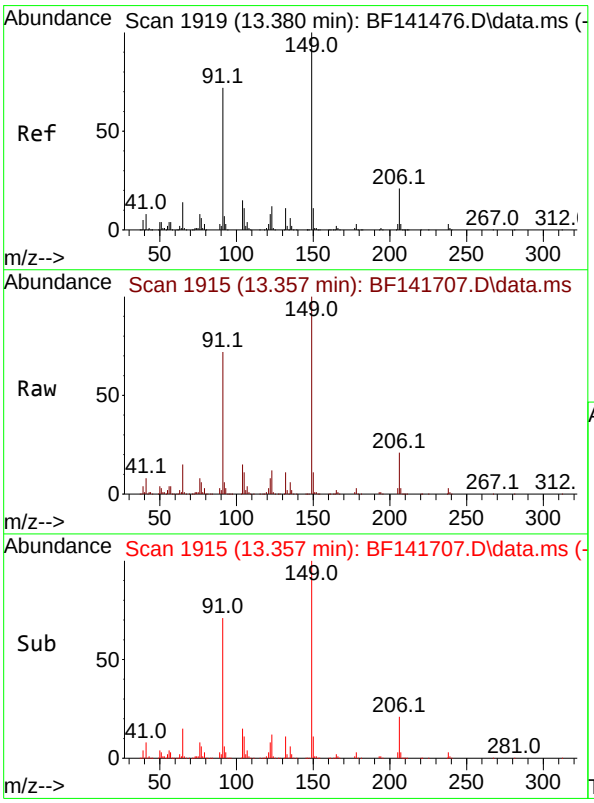
#79
Terphenyl-d14
Concen: 83.229 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 906822

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.0	8.4	12.6

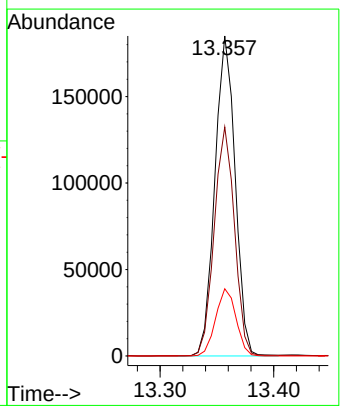


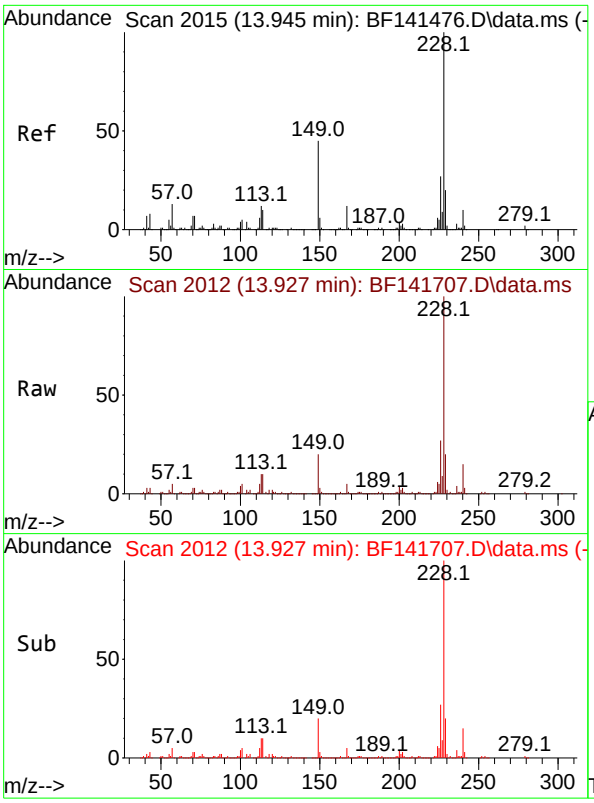


#80
Butylbenzylphthalate
Concen: 42.347 ng
RT: 13.357 min Scan# 1915
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 229665

Ion	Ratio	Lower	Upper
149	100		
91	71.5	57.8	86.8
206	21.0	16.7	25.1



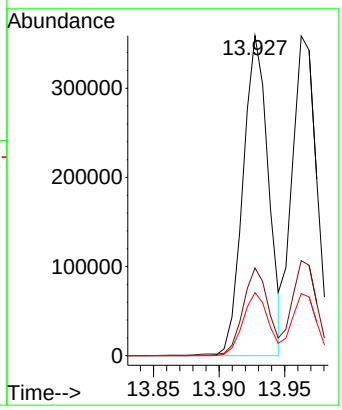


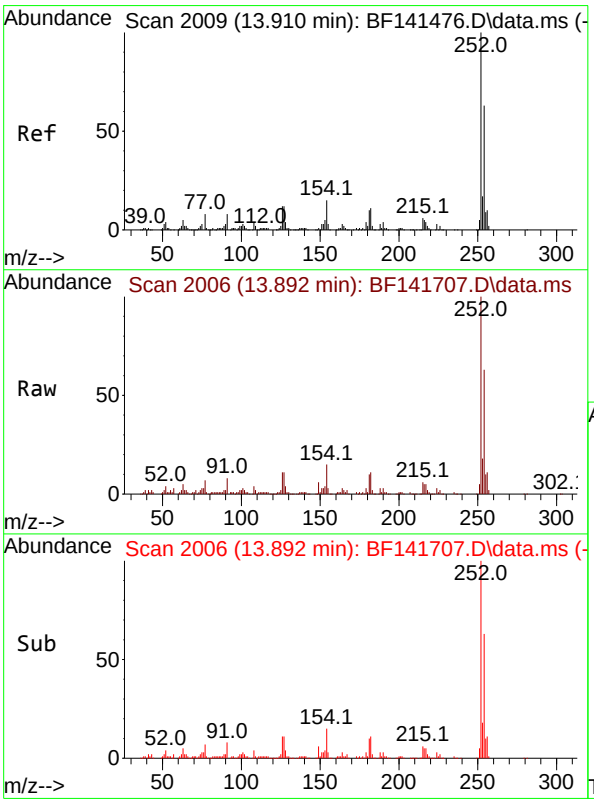
#81
Benzo(a)anthracene
Concen: 39.381 ng
RT: 13.927 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 481502

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	15.8	23.6

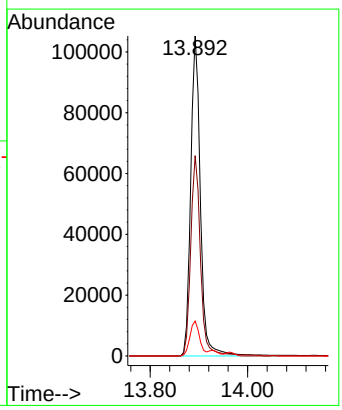


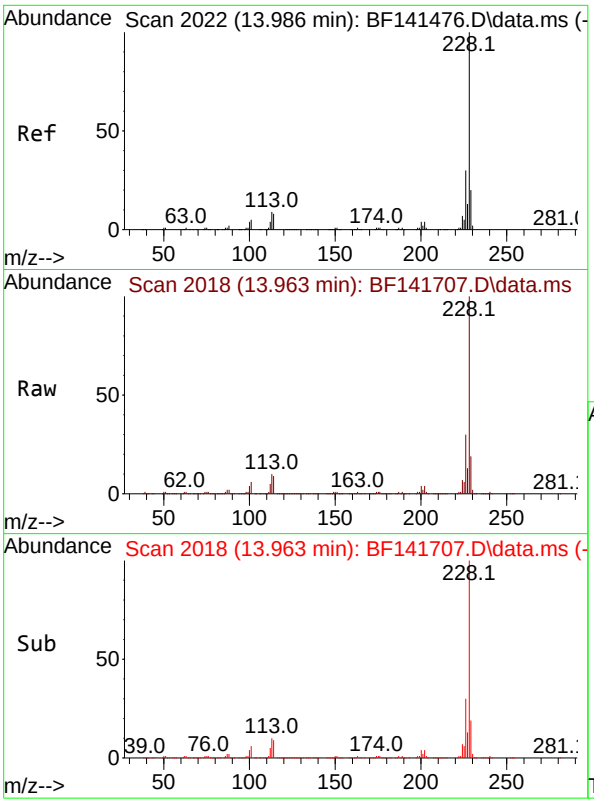


#82
3,3'-Dichlorobenzidine
Concen: 41.708 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 146078

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.6	76.0
126	10.9	9.3	13.9



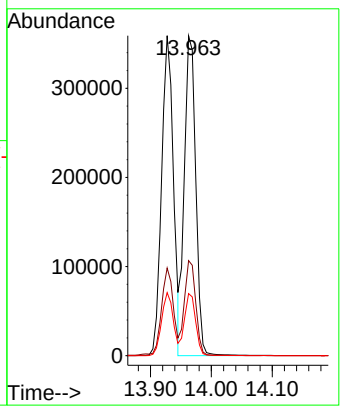


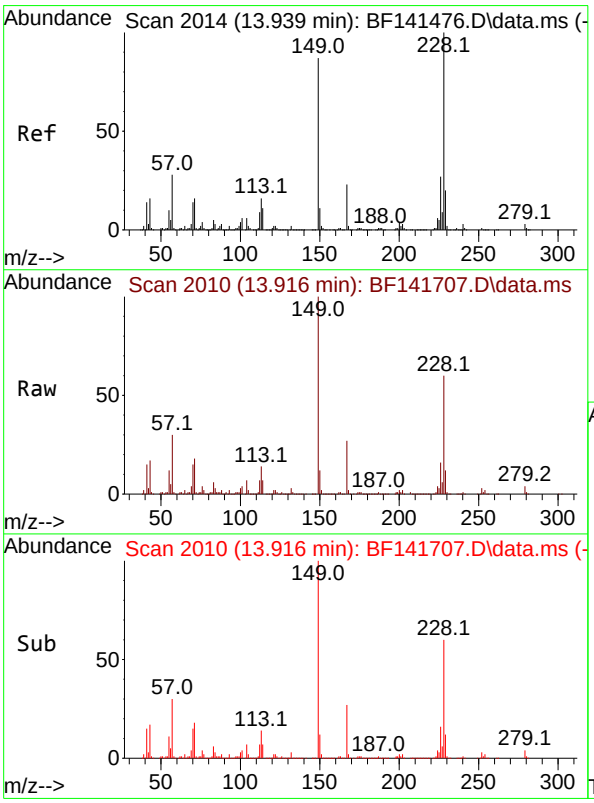
#83
Chrysene
Concen: 41.339 ng
RT: 13.963 min Scan# 2(
Delta R.T. -0.029 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 466703

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	19.4	15.7	23.5

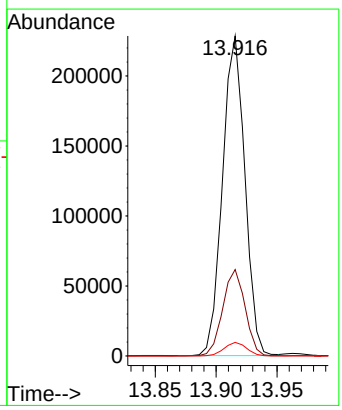


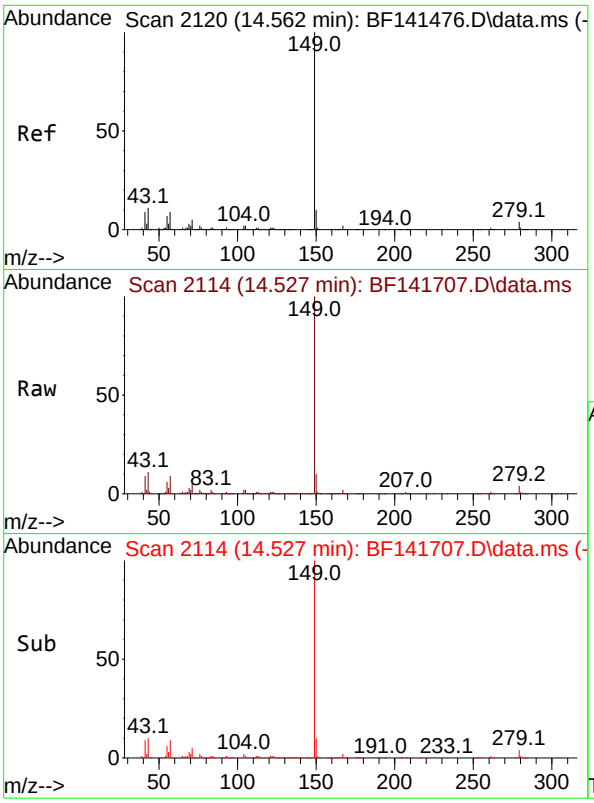


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.787 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.023 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:149 Resp: 292300

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	4.3	3.1	4.7



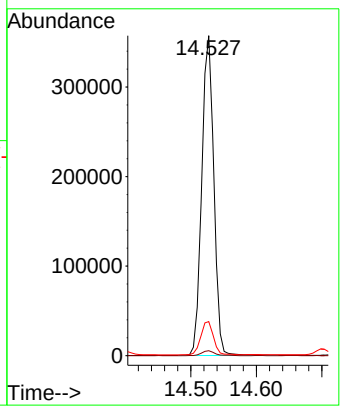


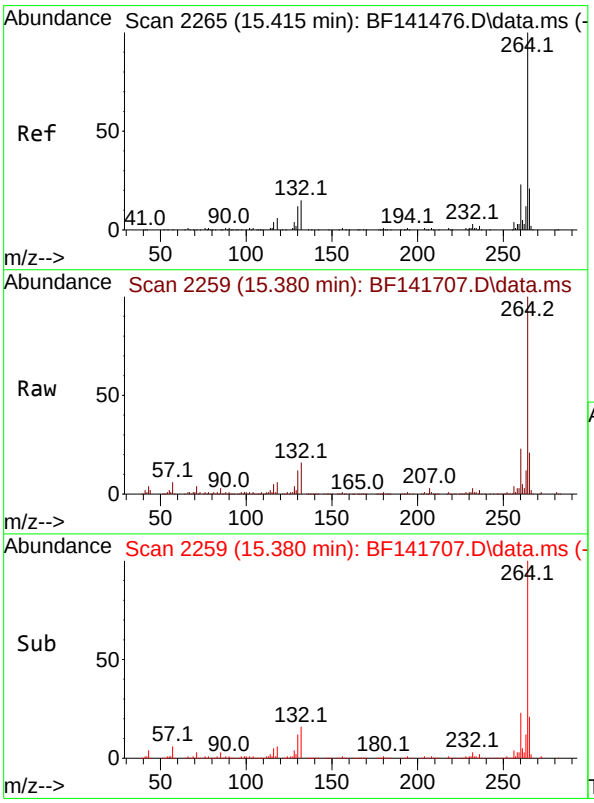
#85
Di-n-octyl phthalate
Concen: 52.451 ng
RT: 14.527 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 457690

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	11.0	9.5	14.3

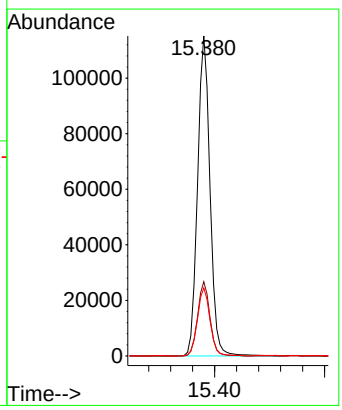


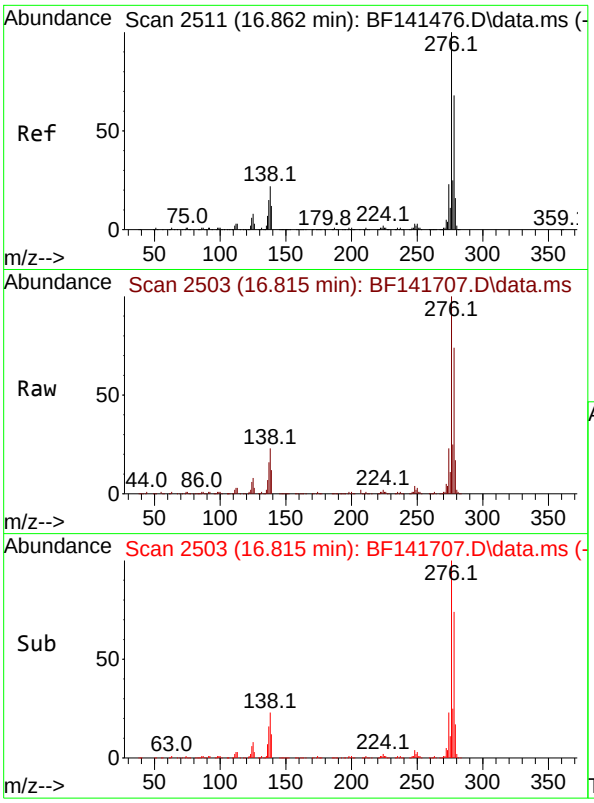


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.035 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:264 Resp: 180639

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.2	17.0	25.4



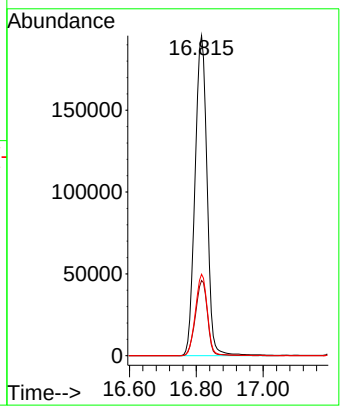


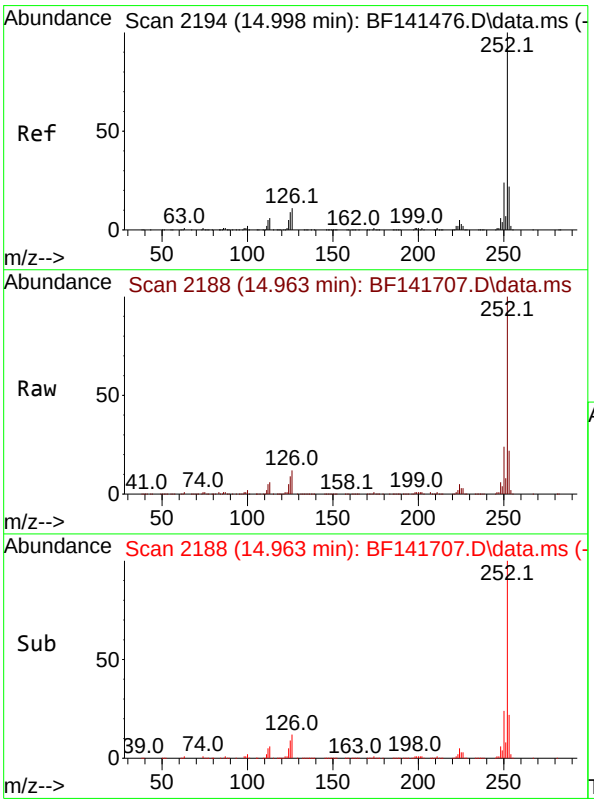
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.757 ng
RT: 16.815 min Scan# 2
Delta R.T. -0.059 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 488391

Ion	Ratio	Lower	Upper
276	100		
138	23.5	18.0	27.0
277	25.3	20.4	30.6

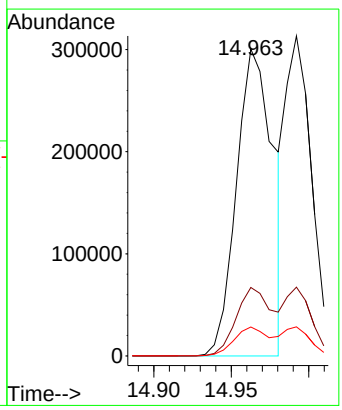


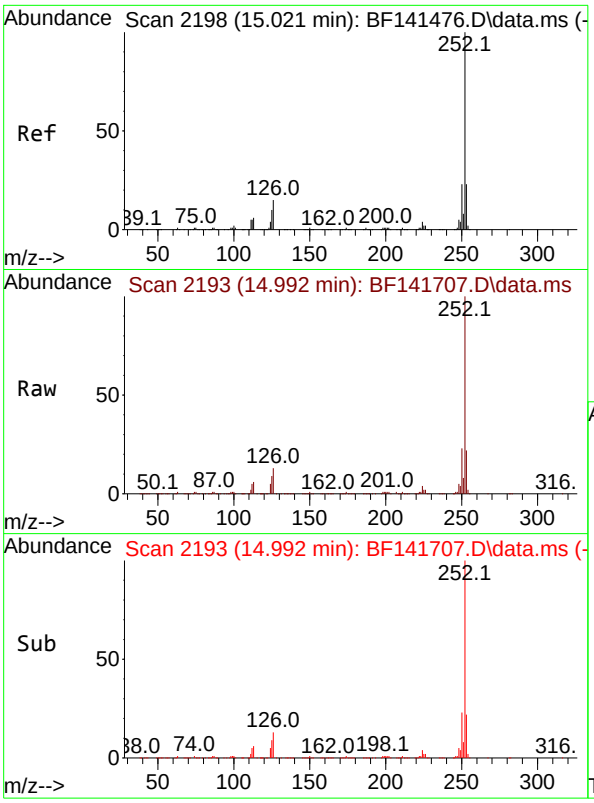


#88
Benzo(b)fluoranthene
Concen: 40.759 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 494368

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	9.4	7.0	10.6



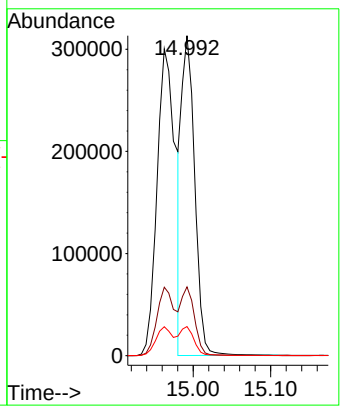


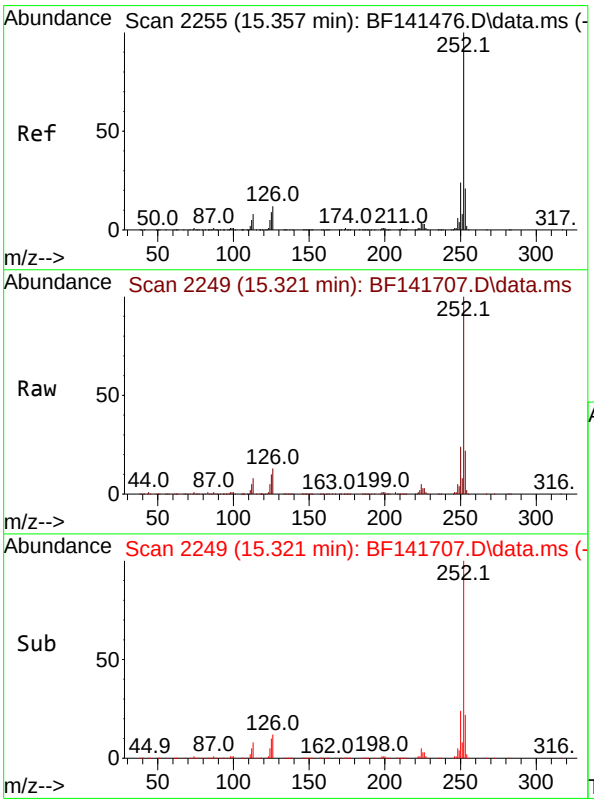
#89
Benzo(k)fluoranthene
Concen: 35.898 ng
RT: 14.992 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 371796

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	9.1	7.4	11.0

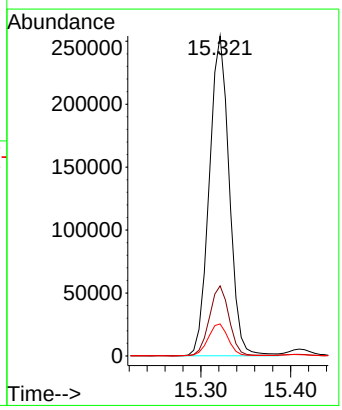


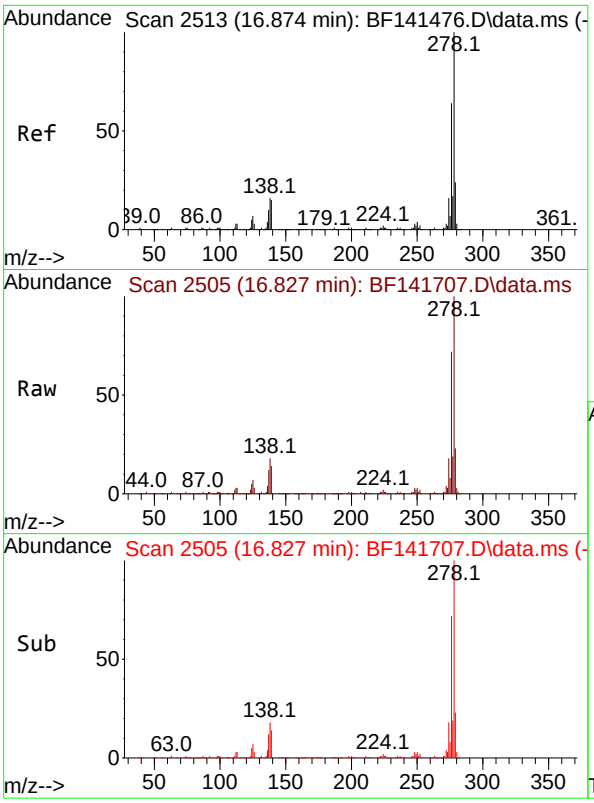


#90
Benzo(a)pyrene
Concen: 39.976 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:252 Resp: 392343

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.0	7.4	11.2



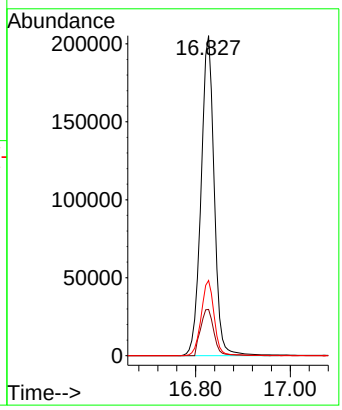


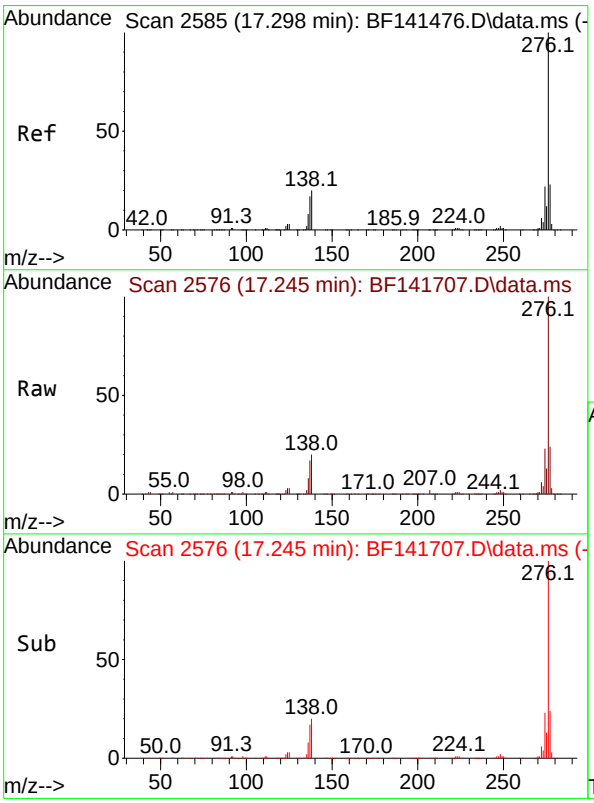
#91
Dibenzo(a,h)anthracene
Concen: 43.788 ng
RT: 16.827 min Scan# 2
Delta R.T. -0.064 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 396017

Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.8	17.6
279	23.5	19.1	28.7





#92
Benzo(g,h,i)perylene
Concen: 44.154 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141707.D
Acq: 20 Feb 2025 17:09

Tgt Ion:276 Resp: 417878

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	19.9	15.9	23.9

