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Cover Page

Order ID : P3573

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3573-01	S-858-KI-SO-2-2.5-080924
P3573-02	S-859-KI-SO-2-2.5-080924
P3573-03	S-859-KI-SO-2-2.5-080924-FD
P3573-04	S-860-KI-SO-2-2.5-080924
P3573-05	S-856-J-SO-1-1.5-080924
P3573-06	S-856-J-SO-1-1.5-080924-FD
P3573-07	S-856-J-SO-1.5-2-080924
P3573-08	S-856-J-SO-2-2.5-080924
P3573-09	S-856-J-SO-3-3.5-080924
P3573-10	S-856-J-SO-4-4.5-080924
P3573-12	EB-01-080924

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: 6/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Order ID # P3573
Test Name: SVOCMS Group2

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 08/09/2024.
1 Water sample was received on 08/09/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Metals Group5 and SVOCMS Group2. This data package contains results for SVOCMS Group2.

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 samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group2 was based on method 8270E and extraction was done based on method 3510.

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 {P3573-05MS} with File ID: BF139038.D recoveries met the requirements for all compounds except for Dibenz(a,h)anthracene[67%], this compound did not meet the NJDKQP criteria but met the in-house criteria .

The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate 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 BF139113.D met the requirements except for Nitrobenzene-d5, The associate samples have no positive hit for this compound therefore no corrective action was taken.

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The Tuning criteria met requirements.

E. Additional Comments:
This Data Package has been revised due to Client ID Changed as per Client Request.

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

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

ORDER ID: P3573 MATRIX: /Water

METHOD: 8270E/3510

		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 BF139113.D met the requirements except for Nitrobenzene-d5, The associate samples have no positive hit for these compounds therefore no corrective action was 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 MS {P3573-05MS} with File ID: BF139038.D recoveries met the requirements for all compounds except for Dibenz(a,h)anthracene[67%], this compound did not meet the NJDKQP criteria but met the in-house criteria .			
	The Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:
This Data Package has been revised due to Client ID Changed as per Client Request.

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

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 #: **P3573**

	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:** **06/03/2025**

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LAB CHRONICLE

OrderID:	P3573	**OrderDate:**	8/12/2024 9:50:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	John Ynfante	**Location:**	D11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3573-05	**S-856-J-SO-1-1.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	
P3573-06	**S-856-J-SO-1-1.5-080924-FD**	**SOIL**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	
P3573-07	**S-856-J-SO-1.5-2-080924**	**SOIL**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	
P3573-08	**S-856-J-SO-2-2.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	
P3573-09	**S-856-J-SO-3-3.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	
P3573-10	**S-856-J-SO-4-4.5-080924**	**SOIL**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	
P3573-12	**EB-01-080924**	**Water**			**08/09/24**			**08/09/24**
			SVOCMS Group2	8270E		08/13/24	08/15/24	

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Hit Summary Sheet
SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	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.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3573-12	EB-01-080924	Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	81.0	81		30 (52)	130 (132)
		Terphenyl-d14	100	96.6	97		30 (48)	130 (125)
PB162687BL	PB162687BL	Nitrobenzene-d5	100	114	114		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.0	92		30 (52)	130 (132)
		Terphenyl-d14	100	86.9	87		30 (48)	130 (125)
PB162687BS	PB162687BS	Nitrobenzene-d5	100	115	115		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.0	91		30 (52)	130 (132)
		Terphenyl-d14	100	110	110		30 (48)	130 (125)
PB162687BSD	PB162687BSD	Nitrobenzene-d5	100	114	114		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.5	91		30 (52)	130 (132)
		Terphenyl-d14	100	106	106		30 (48)	130 (125)

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Surrogate Summary

SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3573-05	S-856-J-SO-1-1.5-080924	Nitrobenzene-d5	100	63.4	63		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.3	62		30 (20)	130 (109)
		Terphenyl-d14	100	66.6	67		30 (10)	130 (105)
P3573-05MS	S-856-J-SO-1-1.5-080924MS	Nitrobenzene-d5	100	62.1	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.2	61		30 (20)	130 (109)
		Terphenyl-d14	100	61.4	61		30 (10)	130 (105)
P3573-05MSD	S-856-J-SO-1-1.5-080924MSD	Nitrobenzene-d5	100	65.4	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	64.4	64		30 (20)	130 (109)
		Terphenyl-d14	100	67.9	68		30 (10)	130 (105)
P3573-06	S-856-J-SO-1-1.5-080924-FD	Nitrobenzene-d5	100	70.1	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	60.3	60		30 (20)	130 (109)
		Terphenyl-d14	100	59.4	59		30 (10)	130 (105)
P3573-07	S-856-J-SO-1.5-2-080924	Nitrobenzene-d5	100	58.3	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.1	57		30 (20)	130 (109)
		Terphenyl-d14	100	57.5	58		30 (10)	130 (105)
P3573-08	S-856-J-SO-2-2.5-080924	Nitrobenzene-d5	100	67.6	68		30 (18)	130 (107)
		2-Fluorobiphenyl	100	56.4	56		30 (20)	130 (109)
		Terphenyl-d14	100	55.9	56		30 (10)	130 (105)
P3573-09	S-856-J-SO-3-3.5-080924	Nitrobenzene-d5	100	68.3	68		30 (18)	130 (107)
		2-Fluorobiphenyl	100	66.6	67		30 (20)	130 (109)
		Terphenyl-d14	100	69.4	69		30 (10)	130 (105)
P3573-10	S-856-J-SO-4-4.5-080924	Nitrobenzene-d5	100	62.2	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	52.8	53		30 (20)	130 (109)
		Terphenyl-d14	100	49.3	49		30 (10)	130 (105)
PB162688BL	PB162688BL	Nitrobenzene-d5	100	83.1	83		30 (18)	130 (107)
		2-Fluorobiphenyl	100	81.7	82		30 (20)	130 (109)
		Terphenyl-d14	100	103	103		30 (10)	130 (105)
PB162688BS	PB162688BS	Nitrobenzene-d5	100	87.6	88		30 (18)	130 (107)
		2-Fluorobiphenyl	100	87.7	88		30 (20)	130 (109)
		Terphenyl-d14	100	106	106		30 (10)	130 (105)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P3573-05MS		**Client Sample ID: S-856-J-SO-1-1.5-080924MS**						**DataFile: BF139038.D**			
Benzo(a)anthracene	2100	0	2000	ug/Kg	95				70 (71)	130 (114)	
Benzo(a)pyrene	2100	0	2300	ug/Kg	110				70 (70)	130 (142)	
Dibenz(a,h)anthracene	2100	0	1400	ug/Kg	67	*			70 (43)	130 (123)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P3573-05MSD		**Client Sample ID: S-856-J-SO-1-1.5-080924MSD**						**DataFile: BF139039.D**			
Benzo(a)anthracene	2100	0	2300	ug/Kg	110		15		70 (71)	130 (114)	30 (20)
Benzo(a)pyrene	2100	0	2400	ug/Kg	114		4		70 (70)	130 (142)	30 (20)
Dibenz(a,h)anthracene	2100	0	1500	ug/Kg	71		6		70 (43)	130 (123)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF139075.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB162688BS	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				70 (63)	130 (103)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF139115.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB162687BS	Benzo(a)anthracene	50	48.7	ug/L	97				70 (62)	130 (107)	
	Benzo(a)pyrene	50	52.9	ug/L	106				70 (72)	130 (131)	
	Dibenz(a,h)anthracene	50	55.1	ug/L	110				70 (78)	130 (115)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3573

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF139116.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162687BSD	Benzo(a)anthracene	50	49.0	ug/L	98	1			70 (62)	130 (107)	20 (20)
	Benzo(a)pyrene	50	52.1	ug/L	104	2			70 (72)	130 (131)	20 (20)
	Dibenz(a,h)anthracene	50	53.4	ug/L	107	3			70 (78)	130 (115)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162687BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF139087.D Lab Sample ID: PB162687BL

Instrument ID: BNA_F Date Extracted: 08/13/2024

Matrix: (soil/water) Water Date Analyzed: 08/20/2024

Level: (low/med) LOW Time Analyzed: 22:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162687BS	PB162687BS	BF139115.D	08/22/2024
PB162687BSD	PB162687BSD	BF139116.D	08/22/2024
EB-01-080924	P3573-12	BP021517.D	08/15/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162688BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF139026.D Lab Sample ID: PB162688BL

Instrument ID: BNA_F Date Extracted: 08/13/2024

Matrix: (soil/water) SOIL Date Analyzed: 08/15/2024

Level: (low/med) LOW Time Analyzed: 17:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
S-856-J-SO-1.5-2-080924	P3573-07	BF139035.D	08/15/2024
S-856-J-SO-3-3.5-080924	P3573-09	BF139036.D	08/15/2024
S-856-J-SO-1-1.5-080924MSD	P3573-05MSD	BF139039.D	08/15/2024
PB162688BS	PB162688BS	BF139075.D	08/19/2024
S-856-J-SO-1-1.5-080924-FD	P3573-06	BP021522.D	08/15/2024
S-856-J-SO-2-2.5-080924	P3573-08	BP021523.D	08/15/2024
S-856-J-SO-4-4.5-080924	P3573-10	BP021524.D	08/15/2024
S-856-J-SO-1-1.5-080924	P3573-05	BF139037.D	08/15/2024
S-856-J-SO-1-1.5-080924MS	P3573-05MS	BF139038.D	08/15/2024

COMMENTS:

Raw Data: **BF138679.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF138679.D DFTPP Injection Date: 07/30/2024

Instrument ID: BNA_F DFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	41.1
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	51.5
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	25.9
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.8 (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	BF138680.D	07/30/2024	12:54
SSTDICC005	SSTDICC005	BF138681.D	07/30/2024	13:25
SSTDICC010	SSTDICC010	BF138682.D	07/30/2024	13:56
SSTDICC020	SSTDICC020	BF138683.D	07/30/2024	14:25
SSTDICCC040	SSTDICCC040	BF138684.D	07/30/2024	14:56
SSTDICC050	SSTDICC050	BF138685.D	07/30/2024	15:27
SSTDICC060	SSTDICC060	BF138686.D	07/30/2024	15:58
SSTDICC080	SSTDICC080	BF138687.D	07/30/2024	16:29

Raw Data: **BF139024.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF139024.D DFTPP Injection Date: 08/15/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	39.1
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.6 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139025.D	08/15/2024	16:31
PB162688BL	PB162688BL	BF139026.D	08/15/2024	17:03
S-856-J-SO-1.5-2-080924	P3573-07	BF139035.D	08/15/2024	21:45
S-856-J-SO-3-3.5-080924	P3573-09	BF139036.D	08/15/2024	22:16
S-856-J-SO-1-1.5-080924	P3573-05	BF139037.D	08/15/2024	22:47
S-856-J-SO-1-1.5-080924MS	P3573-05MS	BF139038.D	08/15/2024	23:17
S-856-J-SO-1-1.5-080924MSD	P3573-05MSD	BF139039.D	08/15/2024	23:47

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF139064.D DFTPP Injection Date: 08/19/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	53
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	43.8
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	51.9
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
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	13.2 (19.6) 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	BF139065.D	08/19/2024	09:41
PB162688BS	PB162688BS	BF139075.D	08/19/2024	15:47

Raw Data: **BF139077.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF139077.D DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.3
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	40.7
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	45.8
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	29.6
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	16.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.2 (20.2) 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
SSTDICC2.5	SSTDICC2.5	BF139078.D	08/20/2024	17:10
SSTDICC005	SSTDICC005	BF139079.D	08/20/2024	17:40
SSTDICC010	SSTDICC010	BF139080.D	08/20/2024	18:10
SSTDICC020	SSTDICC020	BF139081.D	08/20/2024	18:40
SSTDICCC040	SSTDICCC040	BF139082.D	08/20/2024	19:10
SSTDICC050	SSTDICC050	BF139083.D	08/20/2024	19:41
SSTDICC060	SSTDICC060	BF139084.D	08/20/2024	20:11
SSTDICC080	SSTDICC080	BF139085.D	08/20/2024	20:41
PB162687BL	PB162687BL	BF139087.D	08/20/2024	22:10

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BF139112.D DFTPP Injection Date: 08/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.6
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	43.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
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	28.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (19.3) 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	BF139113.D	08/22/2024	10:25
PB162687BS	PB162687BS	BF139115.D	08/22/2024	11:23
PB162687BSD	PB162687BSD	BF139116.D	08/22/2024	11:53

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BP021480.D DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.5
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	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (19.3) 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	BP021481.D	08/13/2024	12:32
SSTDICC005	SSTDICC005	BP021482.D	08/13/2024	13:15
SSTDICC010	SSTDICC010	BP021483.D	08/13/2024	13:59
SSTDICC020	SSTDICC020	BP021484.D	08/13/2024	14:42
SSTDICCC040	SSTDICCC040	BP021485.D	08/13/2024	15:26
SSTDICC050	SSTDICC050	BP021486.D	08/13/2024	16:09
SSTDICC060	SSTDICC060	BP021487.D	08/13/2024	16:53
SSTDICC080	SSTDICC080	BP021488.D	08/13/2024	17:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3573 SDG NO.: P3573

Lab File ID: BP021514.D DFTPP Injection Date: 08/15/2024

Instrument ID: BNA_P DFTPP Injection Time: 14:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	43.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.5
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	27.8
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.4 (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	BP021515.D	08/15/2024	15:37
EB-01-080924	P3573-12	BP021517.D	08/15/2024	17:09
S-856-J-SO-1-1.5-080924-FD	P3573-06	BP021522.D	08/15/2024	20:47
S-856-J-SO-2-2.5-080924	P3573-08	BP021523.D	08/15/2024	21:30
S-856-J-SO-4-4.5-080924	P3573-10	BP021524.D	08/15/2024	22:14

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/15/2024

Lab File ID: BF139025.D Time Analyzed: 16:31

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	46198	6.84	185235	8.12	103494	9.87
	UPPER LIMIT	92396	7.34	370470	8.622	206988	10.369
	LOWER LIMIT	23099	6.34	92617.5	7.622	51747	9.369
	EPA SAMPLE NO.						
01	PB162688BL	42010	6.83	175115	8.12	100590	9.87
02	S-856-J-SO-1-1.5-080924	42091	6.83	174325	8.12	94463	9.87
03	S-856-J-SO-1-1.5-080924MS	41126	6.83	165281	8.12	90313	9.87
04	S-856-J-SO-1-1.5-080924MSD	39294	6.83	163267	8.12	89298	9.87
05	S-856-J-SO-1.5-2-080924	41035	6.83	161701	8.12	86063	9.87
06	S-856-J-SO-3-3.5-080924	35836	6.83	148003	8.12	79042	9.87

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.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/15/2024

Lab File ID: BF139025.D Time Analyzed: 16:31

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	173892	11.357	85690	13.998	90423	15.463
	UPPER LIMIT	347784	11.857	171380	14.498	180846	15.963
	LOWER LIMIT	86946	10.857	42845	13.498	45211.5	14.963
	EPA SAMPLE NO.						
01	PB162688BL	190629	11.36	106160	14.00	80970	15.46
02	S-856-J-SO-1-1.5-080924	153392	11.35	76328	14.00	79127	15.46
03	S-856-J-SO-1-1.5-080924MS	145618	11.36	76395	14.00	81462	15.46
04	S-856-J-SO-1-1.5-080924MSD	143290	11.36	73082	14.00	76023	15.46
05	S-856-J-SO-1.5-2-080924	138803	11.36	72129	14.00	77999	15.46
06	S-856-J-SO-3-3.5-080924	129814	11.35	65543	14.00	67323	15.46

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/19/2024

Lab File ID: BF139065.D Time Analyzed: 09:41

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	49558	6.839	204011	8.12	113932	9.88
	UPPER LIMIT	99116	7.339	408022	8.622	227864	10.375
	LOWER LIMIT	24779	6.339	102006	7.622	56966	9.375
	EPA SAMPLE NO.						
01	PB162688BS	53216	6.83	219351	8.12	122326	9.87

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.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/19/2024

Lab File ID: BF139065.D Time Analyzed: 09:41

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	191441	11.357	87715	14.004	96864	15.468
	UPPER LIMIT	382882	11.857	175430	14.504	193728	15.968
	LOWER LIMIT	95720.5	10.857	43857.5	13.504	48432	14.968
	EPA SAMPLE NO.						
01	PB162688BS	202208	11.36	98718	14.00	90220	15.47

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.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDICCC040 Date Analyzed: 08/20/2024

Lab File ID: BF139082.D Time Analyzed: 19:10

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	116386	6.899	419218	8.18	240364	9.93
	UPPER LIMIT	232772	7.399	838436	8.681	480728	10.434
	LOWER LIMIT	58193	6.399	209609	7.681	120182	9.434
	EPA SAMPLE NO.						
01	PB162687BL	90299	6.89	335821	8.18	200816	9.93

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.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDICCC040 Date Analyzed: 08/20/2024

Lab File ID: BF139082.D Time Analyzed: 19:10

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	434981	11.422	276906	14.057	215524	15.533
	UPPER LIMIT	869962	11.922	553812	14.557	431048	16.033
	LOWER LIMIT	217491	10.922	138453	13.557	107762	15.033
	EPA SAMPLE NO.						
01	PB162687BL	358000	11.42	272888	14.05	248360	15.53

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.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BF139113.D Time Analyzed: 10:25

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	92822	6.898	343989	8.18	206423	9.93
	UPPER LIMIT	185644	7.398	687978	8.681	412846	10.433
	LOWER LIMIT	46411	6.398	171995	7.681	103212	9.433
	EPA SAMPLE NO.						
01	PB162687BS	97452	6.90	363464	8.18	218661	9.94
02	PB162687BSD	98594	6.90	365831	8.18	213614	9.94

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/22/2024

Lab File ID: BF139113.D Time Analyzed: 10:25

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	374434	11.421	220430	14.057	197324	15.533
	UPPER LIMIT	748868	11.921	440860	14.557	394648	16.033
	LOWER LIMIT	187217	10.921	110215	13.557	98662	15.033
	EPA SAMPLE NO.						
01	PB162687BS	399434	11.42	238276	14.06	208759	15.54
02	PB162687BSD	389288	11.42	242651	14.06	204282	15.53

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.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/15/2024

Lab File ID: BP021515.D Time Analyzed: 15:37

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	352497	7.805	1470750	10.59	969870	14.45
	UPPER LIMIT	704994	8.305	2941500	11.093	1939740	14.945
	LOWER LIMIT	176249	7.305	735375	10.093	484935	13.945
	EPA SAMPLE NO.						
01	EB-01-080924	407321	7.80	1612740	10.58	1030570	14.44
02	S-856-J-SO-1-1.5-080924-FD	407787	7.80	1624320	10.59	1041840	14.45
03	S-856-J-SO-2-2.5-080924	387937	7.80	1532010	10.59	962989	14.44
04	S-856-J-SO-4-4.5-080924	358136	7.80	1355590	10.59	799134	14.44

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG NO.: P3573

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/15/2024

Lab File ID: BP021515.D Time Analyzed: 15:37

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2115330	17.251	2128450	21.704	2469040	25.098
	UPPER LIMIT	4230660	17.751	4256900	22.204	4938080	25.598
	LOWER LIMIT	1057670	16.751	1064230	21.204	1234520	24.598
	EPA SAMPLE NO.						
01	EB-01-080924	2153280	17.25	2218860	21.69	2137810	25.08
02	S-856-J-SO-1-1.5-080924-FD	2325600	17.25	2526680	21.70	2812400	25.11
03	S-856-J-SO-2-2.5-080924	2109880	17.25	2262810	21.69	2267820	25.07
04	S-856-J-SO-4-4.5-080924	1708480	17.23	1752730	21.67	2084360	25.08

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.

Alliance
TECHNICAL GROUP

SAMPLE DATA

Raw Data: **BF139037.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-1-1.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139037.D	1	08/13/24 08:30	08/15/24 22:47	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.4		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.3		30 (20) - 130 (109)	62%	SPK: 100
1718-51-0	Terphenyl-d14	66.6		30 (10) - 130 (105)	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	42100	6.834			
1146-65-2	Naphthalene-d8	174000	8.116			
15067-26-2	Acenaphthene-d10	94500	9.869			
1517-22-2	Phenanthrene-d10	153000	11.351			
1719-03-5	Chrysene-d12	76300	13.998			
1520-96-3	Perylene-d12	79100	15.463			

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: **BF139037.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139037.D
Acq On : 15 Aug 2024 22:47
Operator : RC/JU
Sample : P3573-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Quant Time: Aug 16 00:49:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

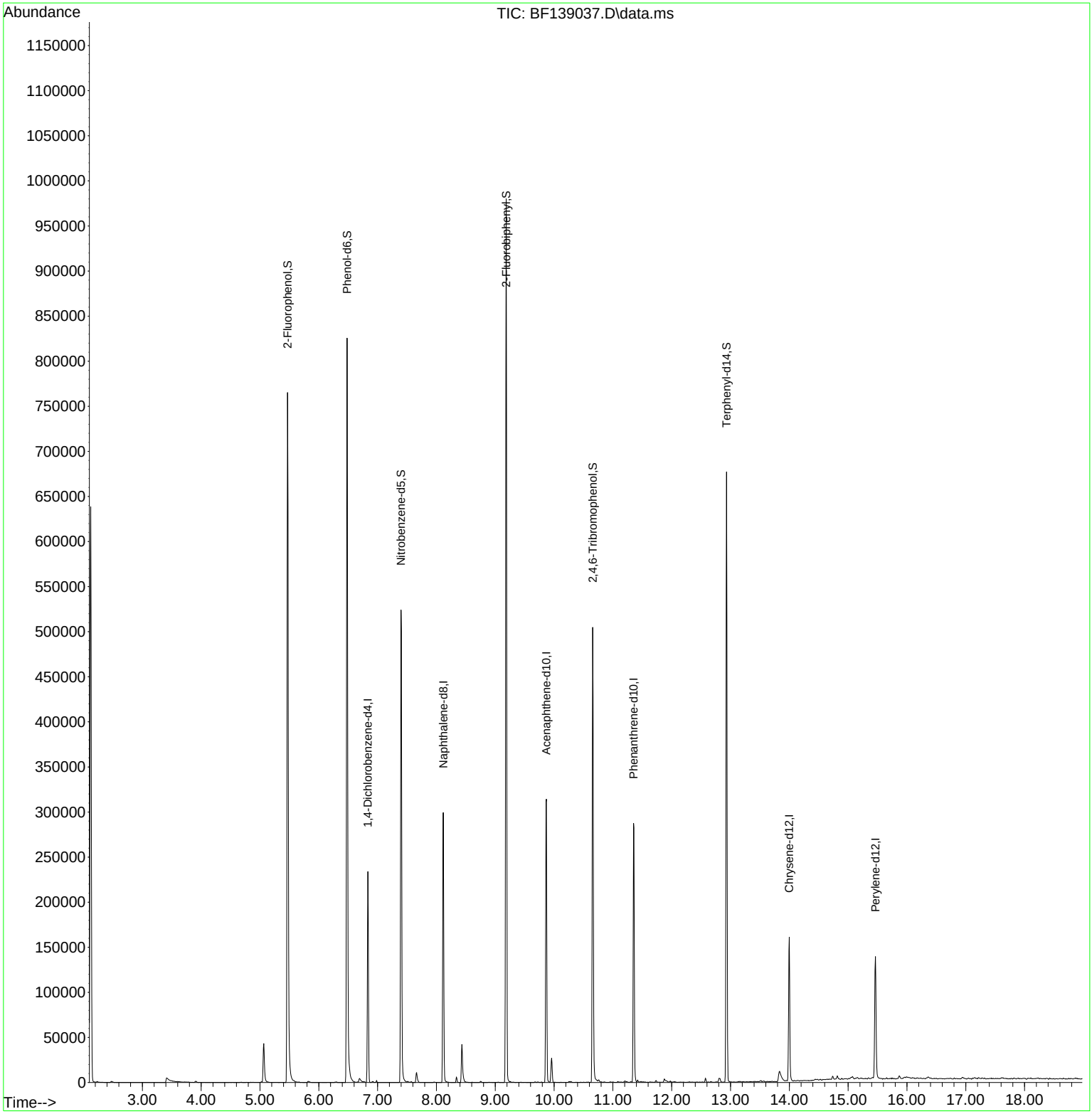
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	42091	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	174325	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	94463	20.000	ng	-0.01
64) Phenanthrene-d10	11.351	188	153392	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	76328	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	79127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	260734	95.622	ng	0.00
7) Phenol-d6	6.481	99	346994	94.784	ng	0.00
23) Nitrobenzene-d5	7.398	82	226132	63.421	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	71020	91.783	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	391856	62.327	ng	-0.02
79) Terphenyl-d14	12.933	244	303747	66.627	ng	-0.01
Target Compounds						Qvalue

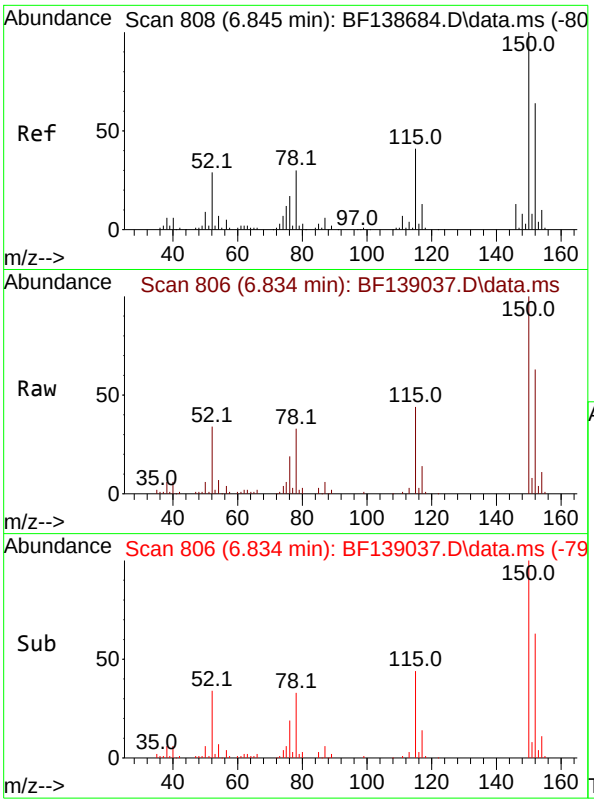
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139037.D
Acq On : 15 Aug 2024 22:47
Operator : RC/JU
Sample : P3573-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Quant Time: Aug 16 00:49:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



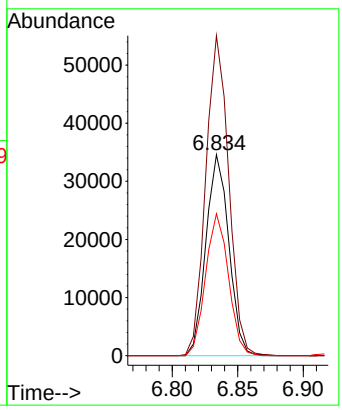


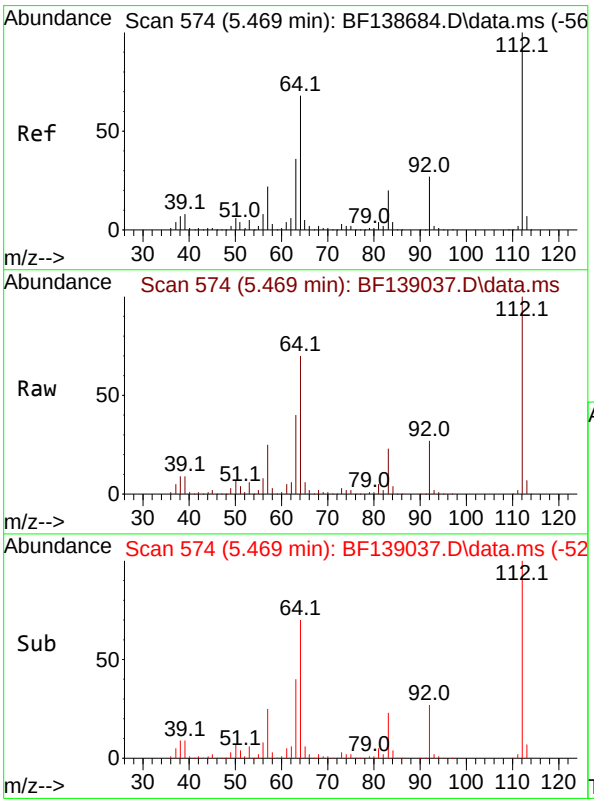
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Tgt Ion:152 Resp: 42091

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.0	189.0
115	70.6	51.7	77.5

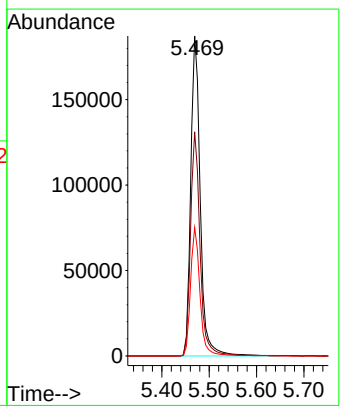


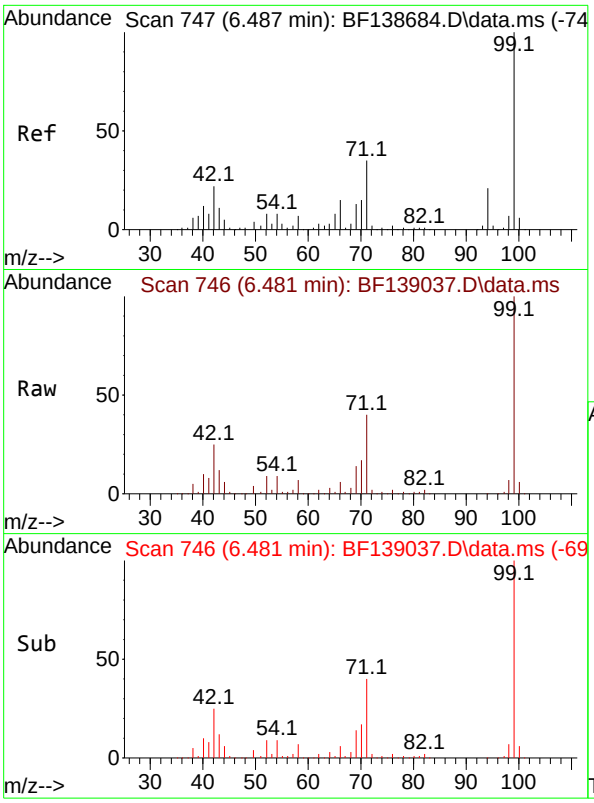


#5
2-Fluorophenol
Concen: 95.622 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Tgt Ion:112 Resp: 260734

Ion	Ratio	Lower	Upper
112	100		
64	70.0	54.2	81.4
63	40.1	28.7	43.1



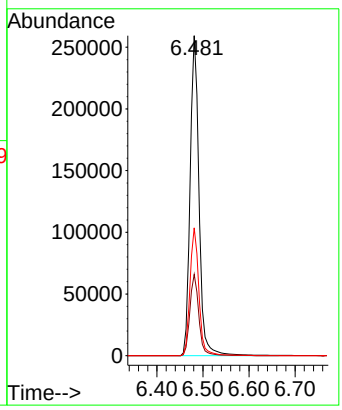


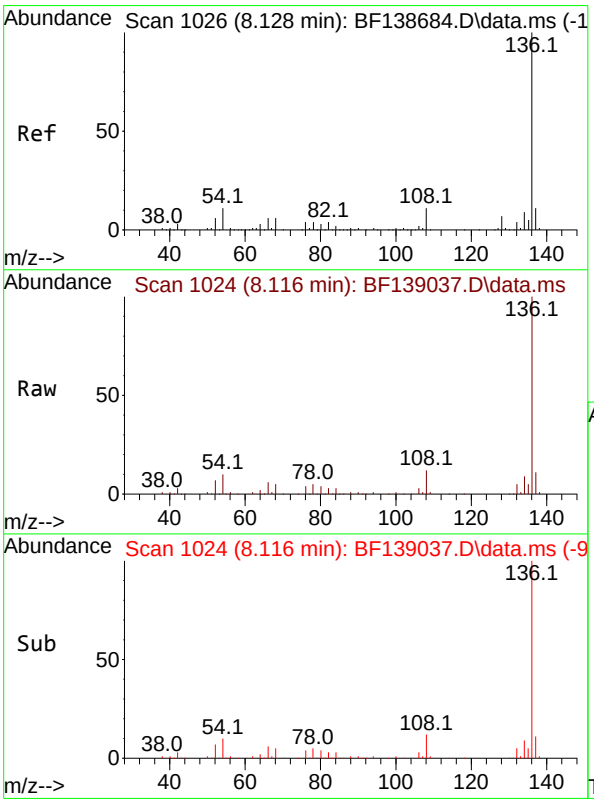
#7
Phenol-d6
Concen: 94.784 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Tgt Ion: 99 Resp: 346994

Ion	Ratio	Lower	Upper
99	100		
42	25.4	17.4	26.0
71	39.9	28.1	42.1

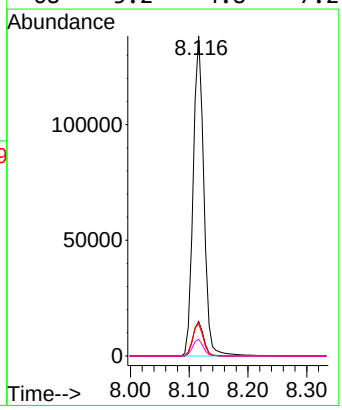


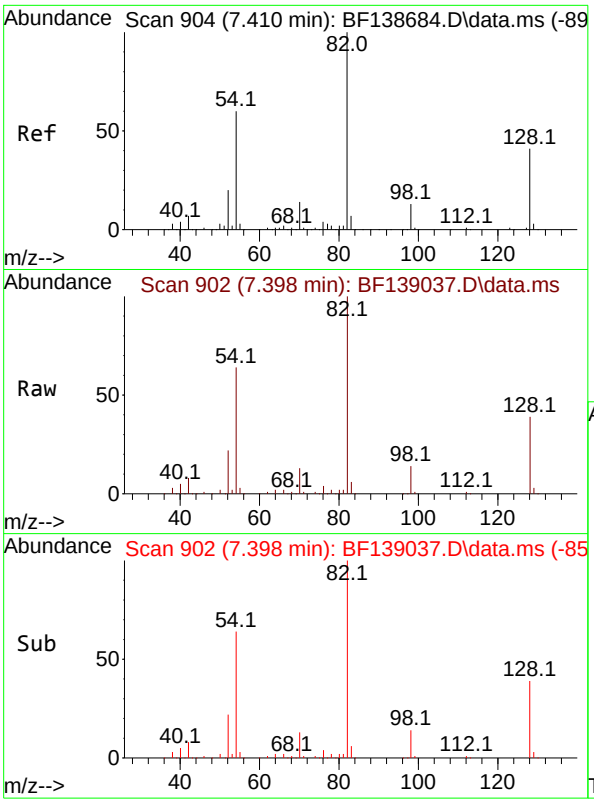


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Tgt Ion:136 Resp: 174325

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.0	8.6	12.8
68	5.2	4.8	7.2



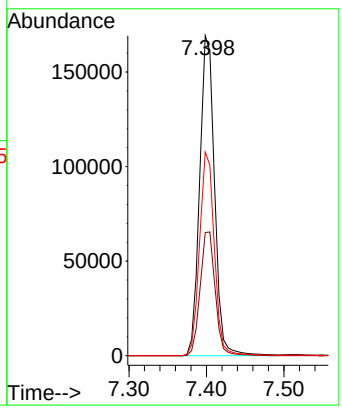


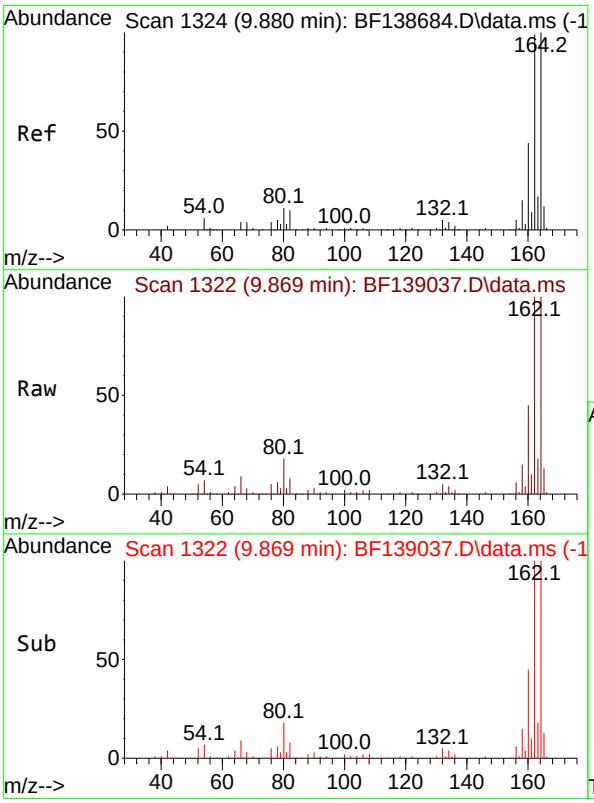
#23
Nitrobenzene-d5
Concen: 63.421 ng
RT: 7.398 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Tgt Ion: 82 Resp: 226132

Ion	Ratio	Lower	Upper
82	100		
128	38.5	32.8	49.2
54	63.7	48.3	72.5

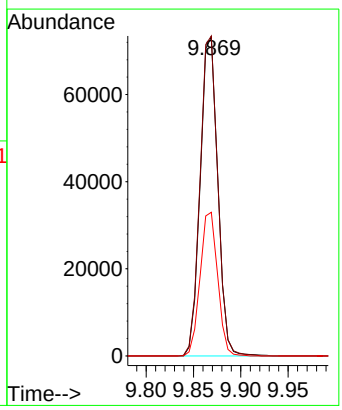


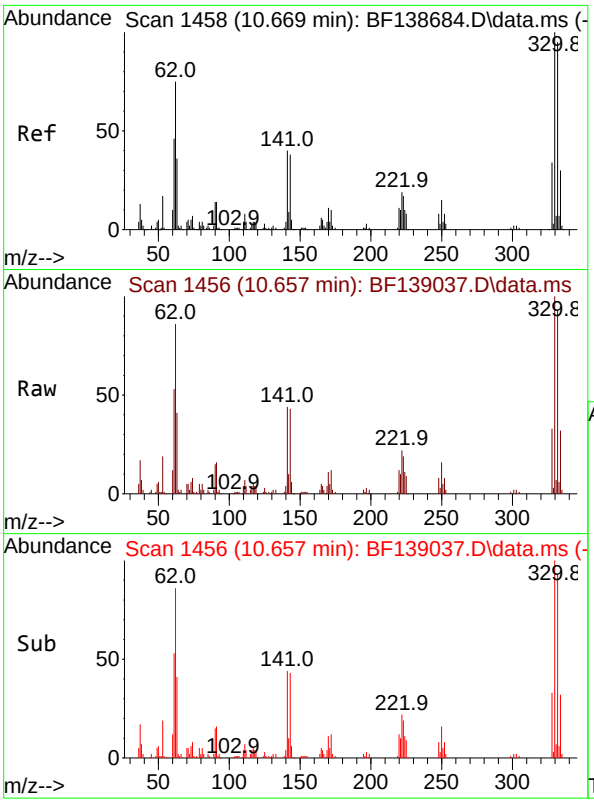


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Tgt Ion:164 Resp: 94463

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.4	119.0
160	45.0	35.1	52.7



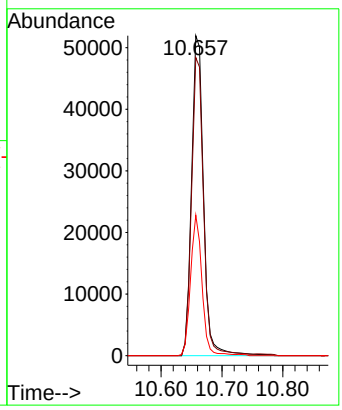


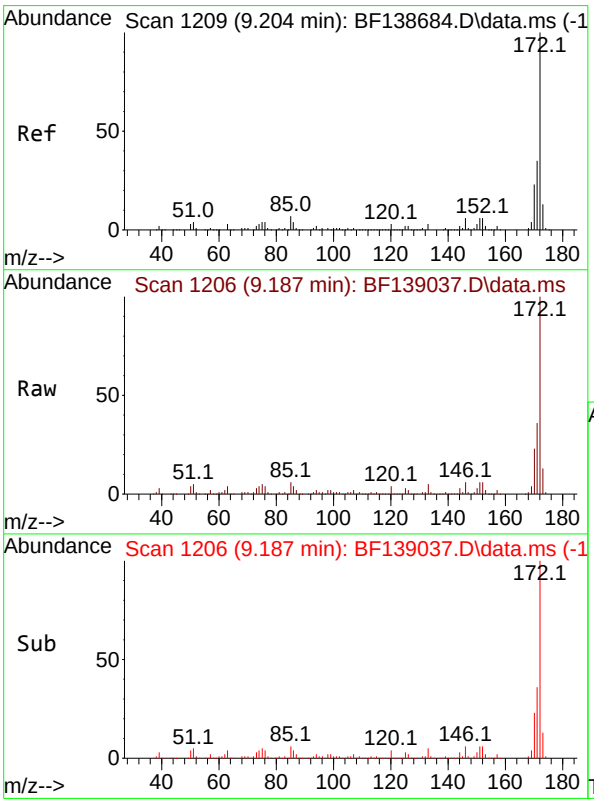
#42
2,4,6-Tribromophenol
Concen: 91.783 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Tgt Ion:330 Resp: 71020

Ion	Ratio	Lower	Upper
330	100		
332	92.9	76.4	114.6
141	41.9	31.1	46.7

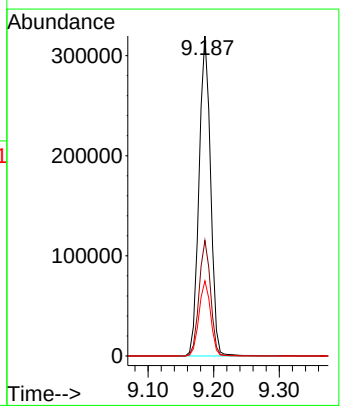


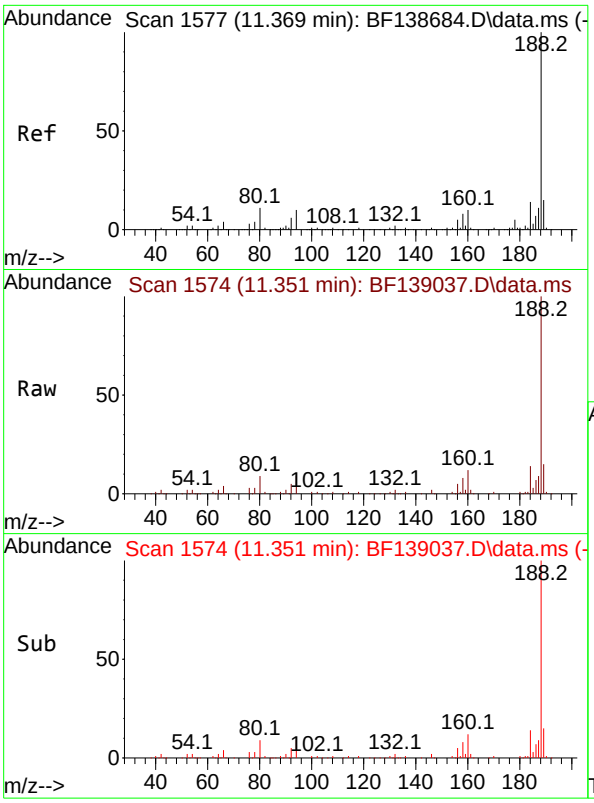


#45
2-Fluorobiphenyl
Concen: 62.327 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Tgt Ion:172 Resp: 391856

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	23.5	18.8	28.2



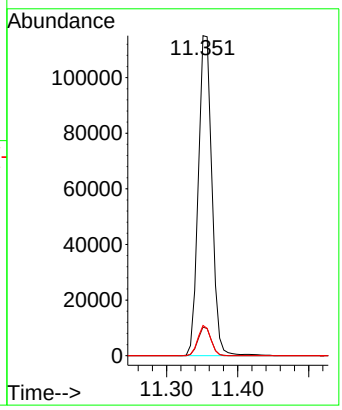


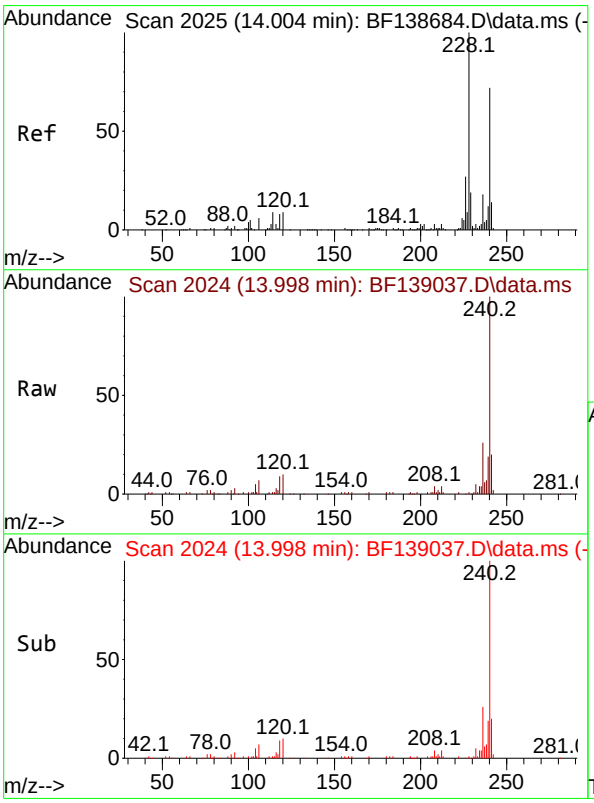
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Tgt Ion:188 Resp: 153392

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.6	11.4
80	9.4	8.6	12.8

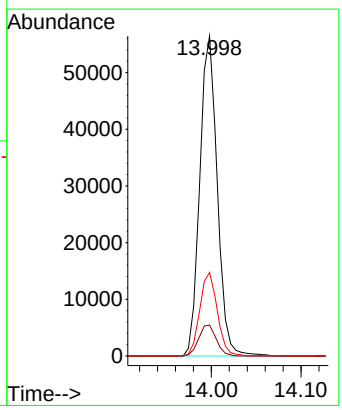


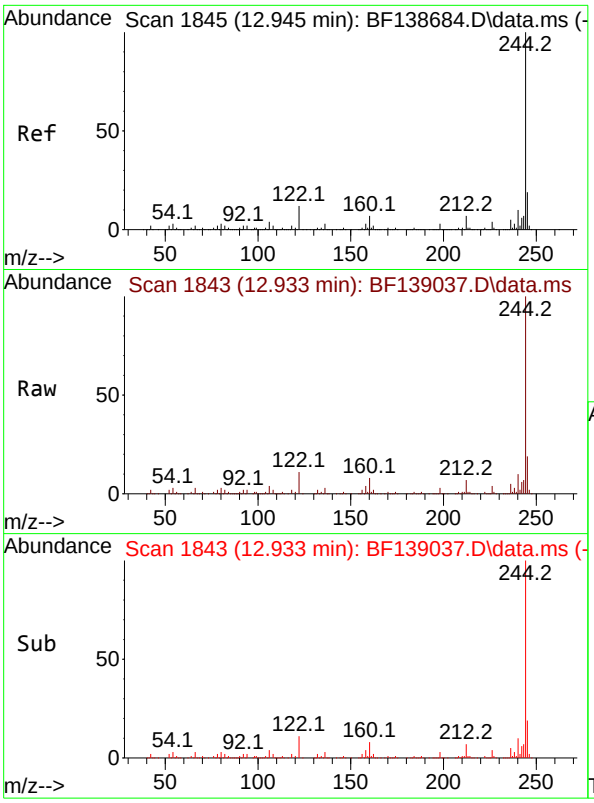


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Tgt Ion:240 Resp: 76328

Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.2	15.4#
236	26.1	19.8	29.8



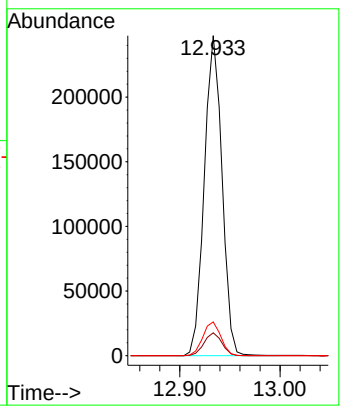


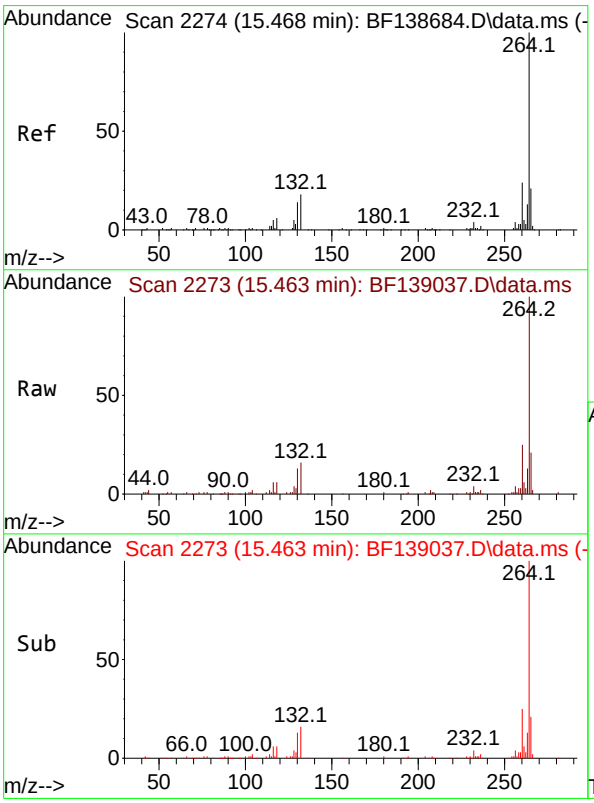
#79
Terphenyl-d14
Concen: 66.627 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924

Tgt Ion:244 Resp: 303747

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	10.5	9.6	14.4

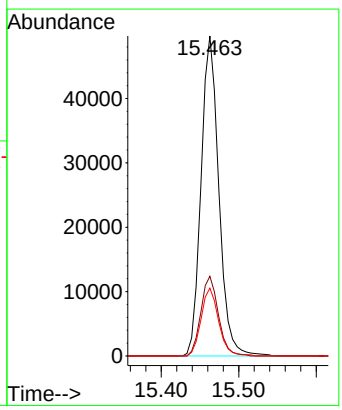




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139037.D
Acq: 15 Aug 2024 22:47

Tgt Ion:264 Resp: 79127

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	21.2	17.0	25.6



Raw Data: **BP021522.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-1-1.5-080924-FD	SDG No.:	P3573
Lab Sample ID:	P3573-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP021522.D	1	08/13/24 08:30	08/15/24 20:47	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	97.7	U	97.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	98.3	U	98.3	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	70.1		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.3		30 (20) - 130 (109)	60%	SPK: 100
1718-51-0	Terphenyl-d14	59.4		30 (10) - 130 (105)	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	408000	7.804			
1146-65-2	Naphthalene-d8	1620000	10.587			
15067-26-2	Acenaphthene-d10	1040000	14.451			
1517-22-2	Phenanthrene-d10	2330000	17.245			
1719-03-5	Chrysene-d12	2530000	21.698			
1520-96-3	Perylene-d12	2810000	25.109			

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: **BP021522.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021522.D
Acq On : 15 Aug 2024 20:47
Operator : RC/JU
Sample : P3573-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Quant Time: Aug 16 01:30:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

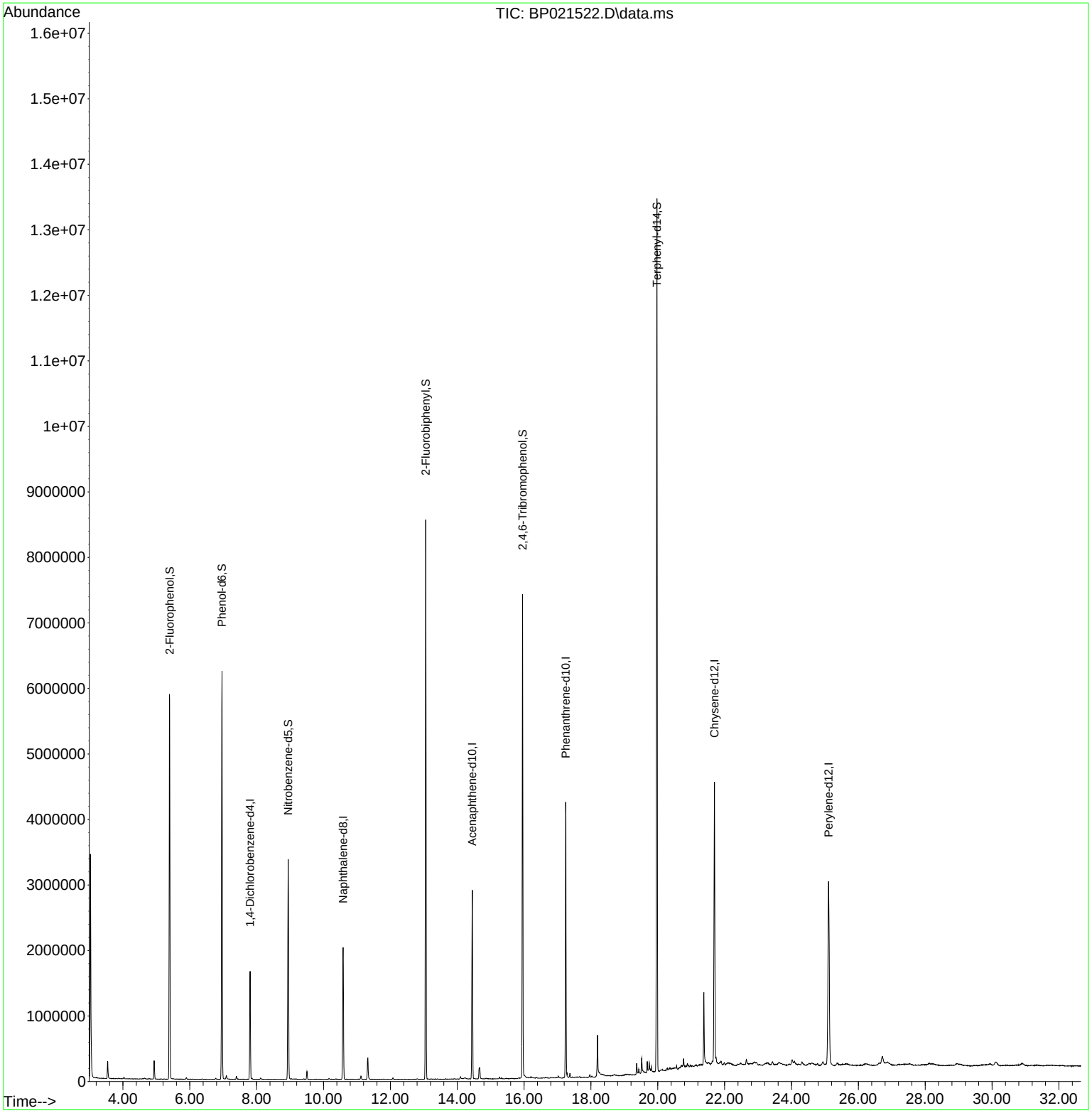
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	407787	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1624324	20.000	ng	-0.01
39) Acenaphthene-d10	14.451	164	1041844	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	2325604	20.000	ng	0.00
76) Chrysene-d12	21.698	240	2526677	20.000	ng	0.00
86) Perylene-d12	25.109	264	2812398	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2688199	97.885	ng	0.00
7) Phenol-d6	6.963	99	3817853	95.298	ng	0.00
23) Nitrobenzene-d5	8.946	82	2205682	70.088	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1338906	115.470	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	4114284	60.269	ng	0.00
79) Terphenyl-d14	19.974	244	7725700	59.402	ng	0.00
Target Compounds						Qvalue

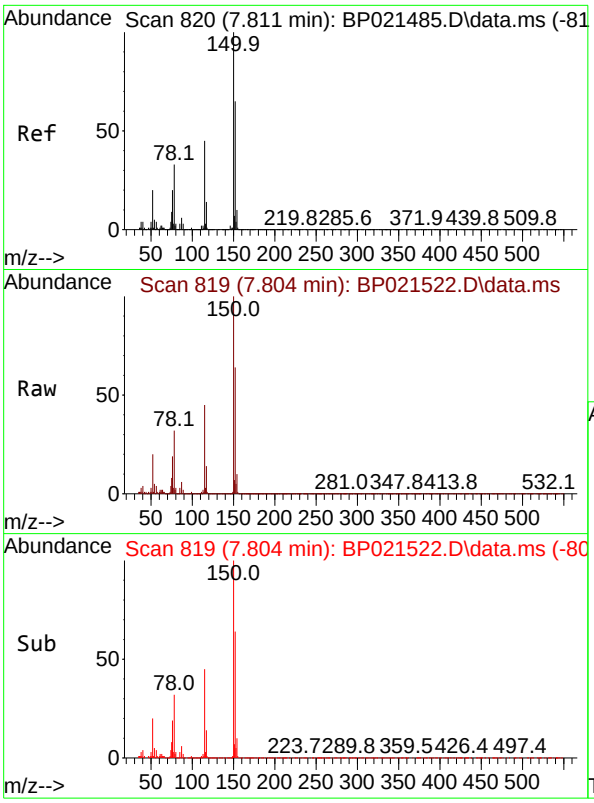
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021522.D
Acq On : 15 Aug 2024 20:47
Operator : RC/JU
Sample : P3573-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Quant Time: Aug 16 01:30:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



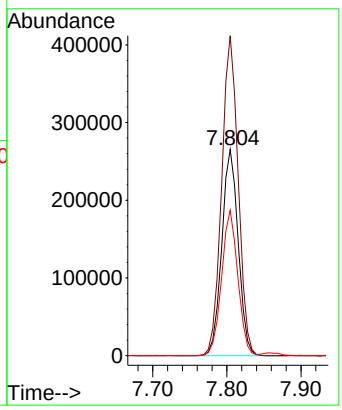


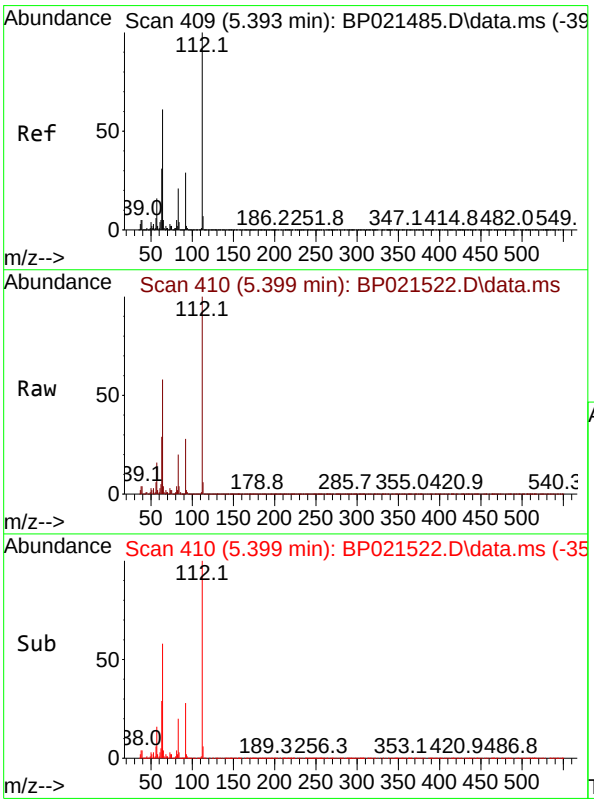
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Tgt Ion:152 Resp: 407787

Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	70.5	54.7	82.1

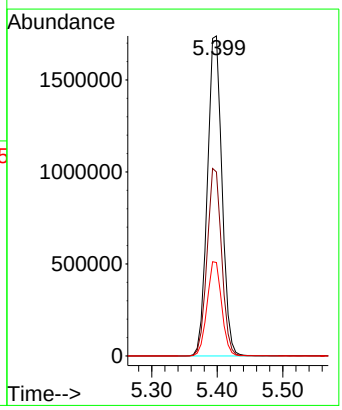


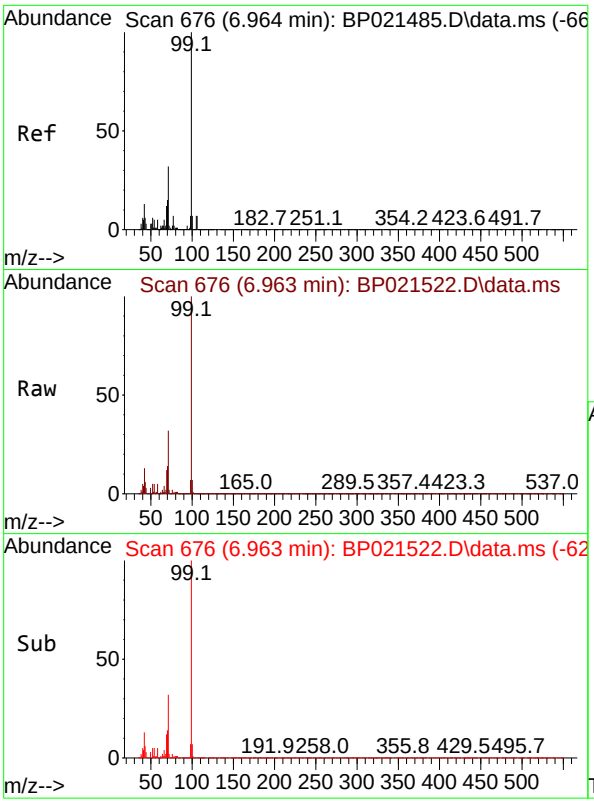


#5
2-Fluorophenol
Concen: 97.885 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Tgt Ion:112 Resp: 2688199

Ion	Ratio	Lower	Upper
112	100		
64	57.5	49.0	73.6
63	29.2	24.6	36.8



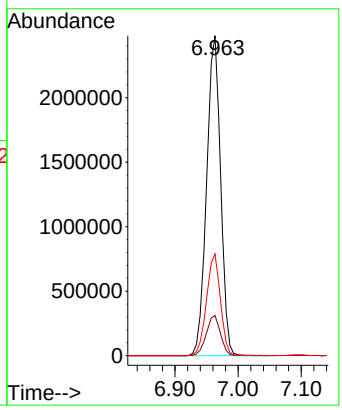


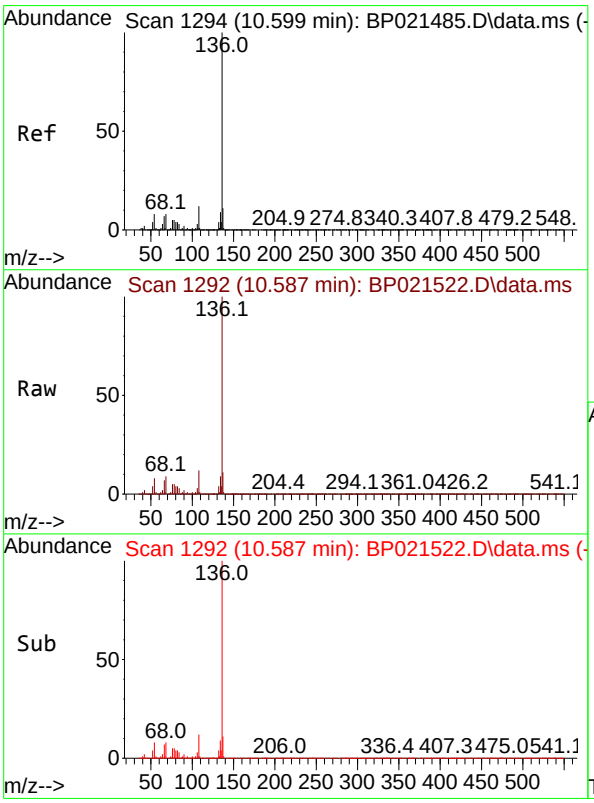
#7
Phenol-d6
Concen: 95.298 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Tgt Ion: 99 Resp: 3817853

Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	31.8	25.8	38.8

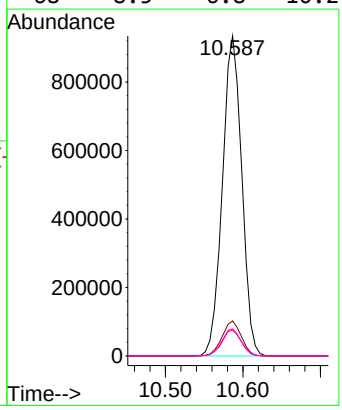


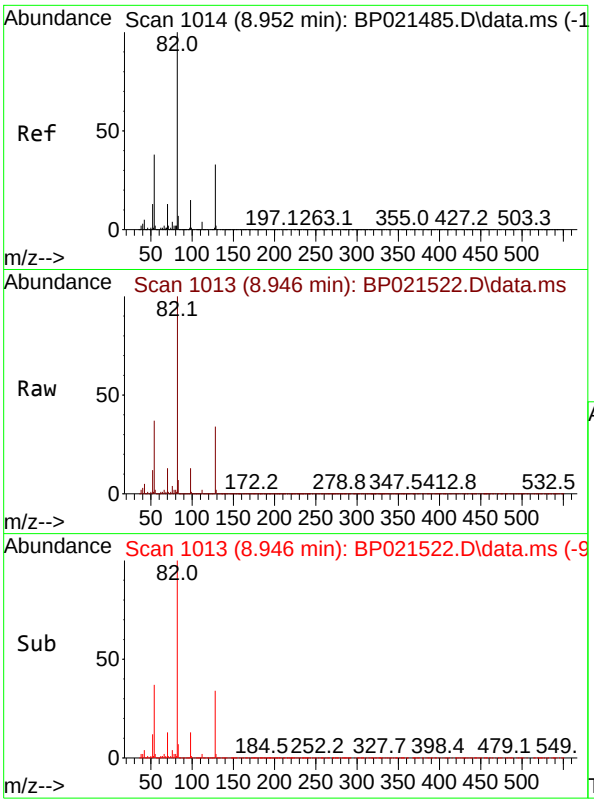


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Tgt Ion:136 Resp: 1624324

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	6.3	9.5
68	8.5	6.8	10.2



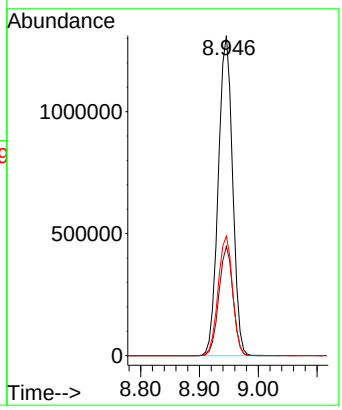


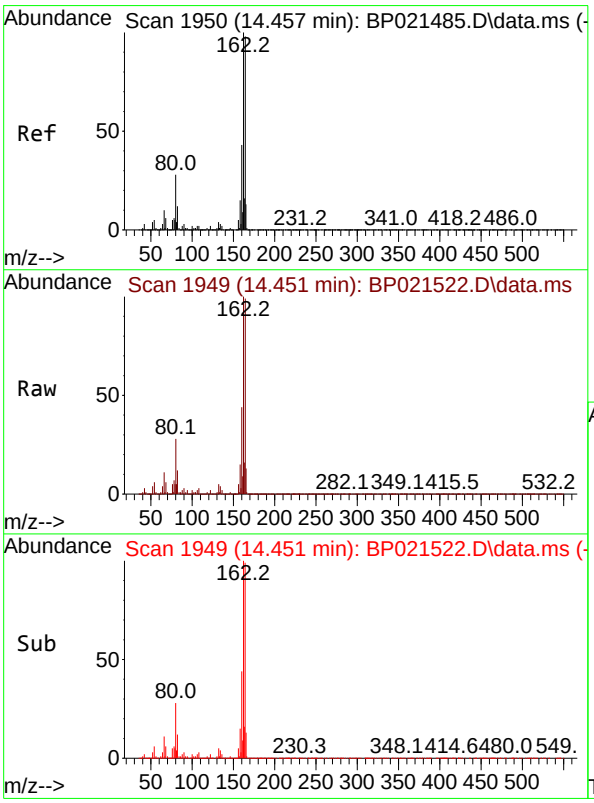
#23
Nitrobenzene-d5
Concen: 70.088 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Tgt Ion: 82 Resp: 2205682

Ion	Ratio	Lower	Upper
82	100		
128	34.2	26.5	39.7
54	37.4	30.3	45.5

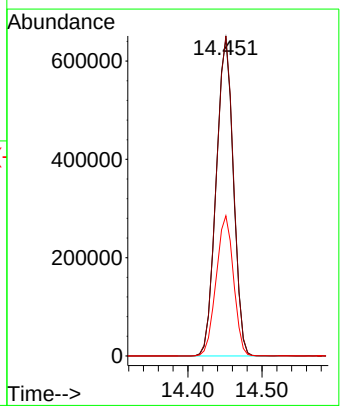


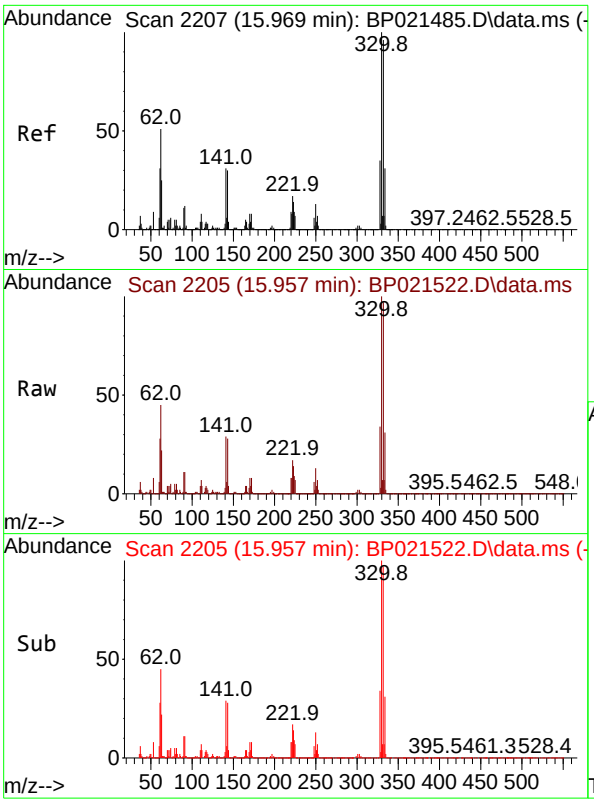


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Tgt Ion:164 Resp: 1041844

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.5	122.3
160	44.2	35.2	52.8



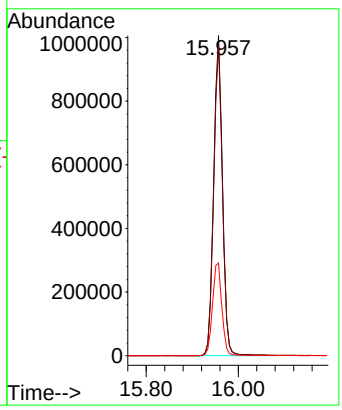


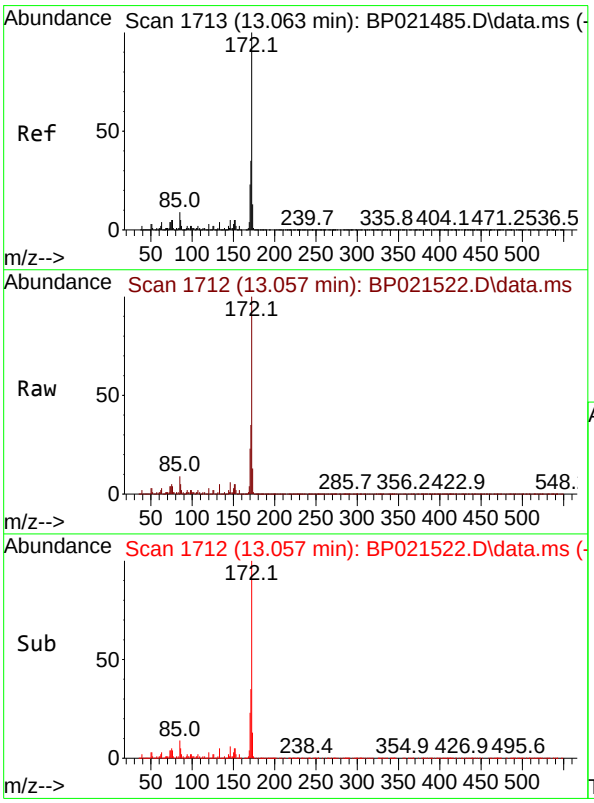
#42
2,4,6-Tribromophenol
Concen: 115.470 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Tgt Ion:330 Resp: 1338906

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.0
141	30.6	24.5	36.7

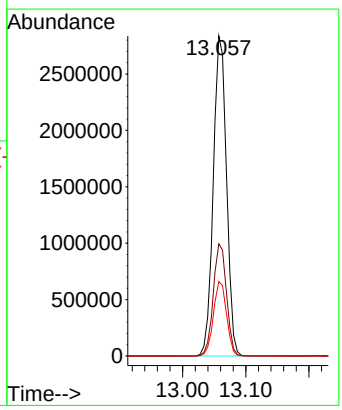


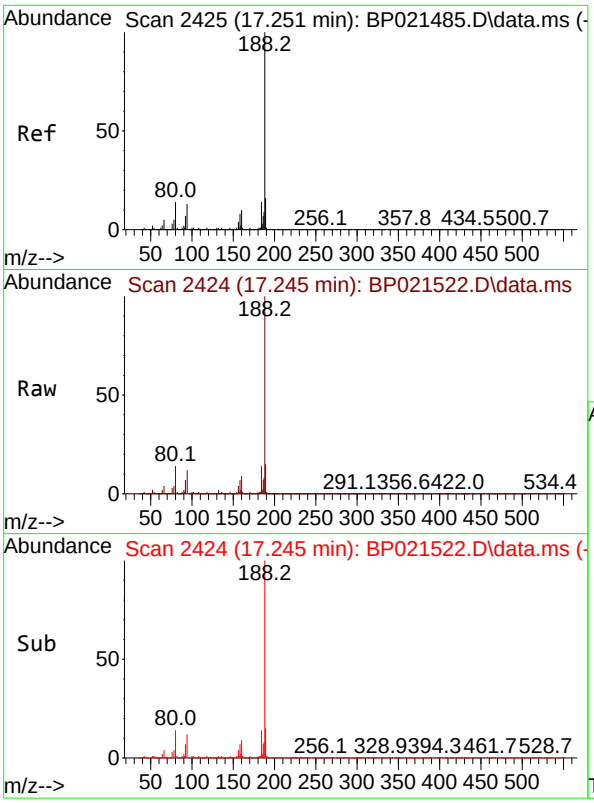


#45
2-Fluorobiphenyl
Concen: 60.269 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Tgt Ion:172 Resp: 4114284

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.2	18.4	27.6



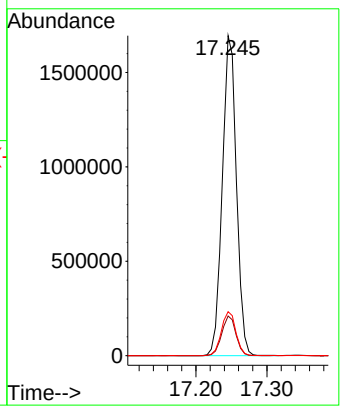


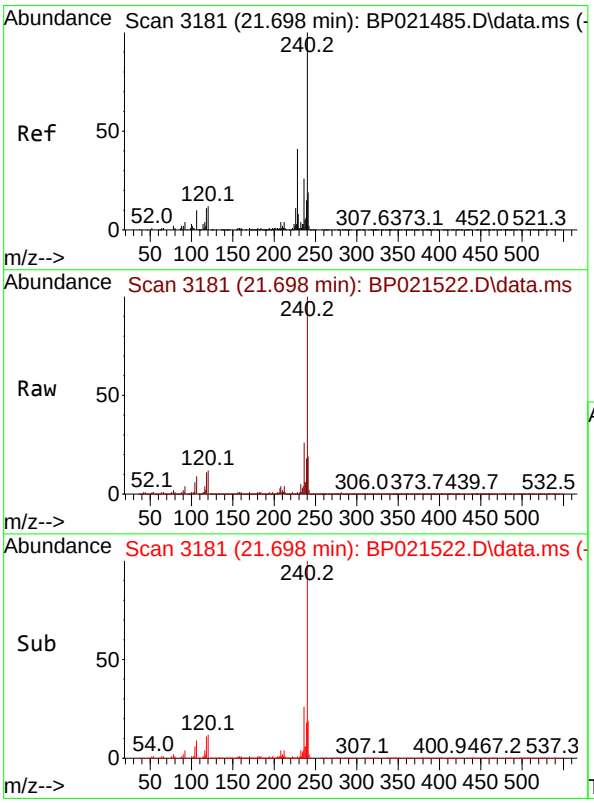
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Tgt Ion:188 Resp: 2325604

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.8	11.6	17.4

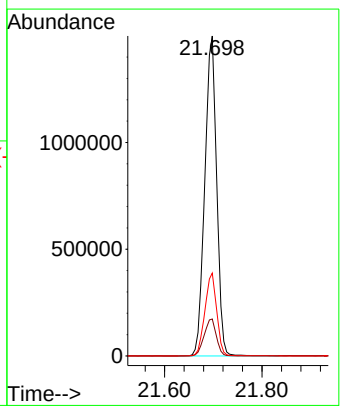


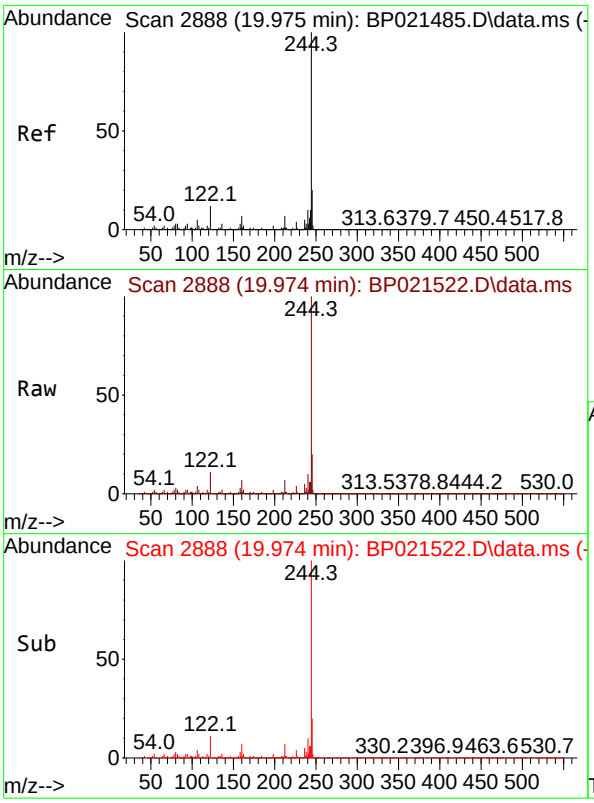


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Tgt Ion:240 Resp: 2526677

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.9	14.9
236	25.9	20.6	30.8



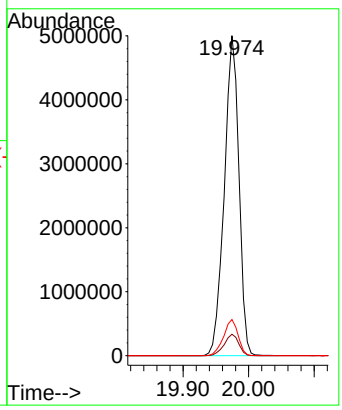


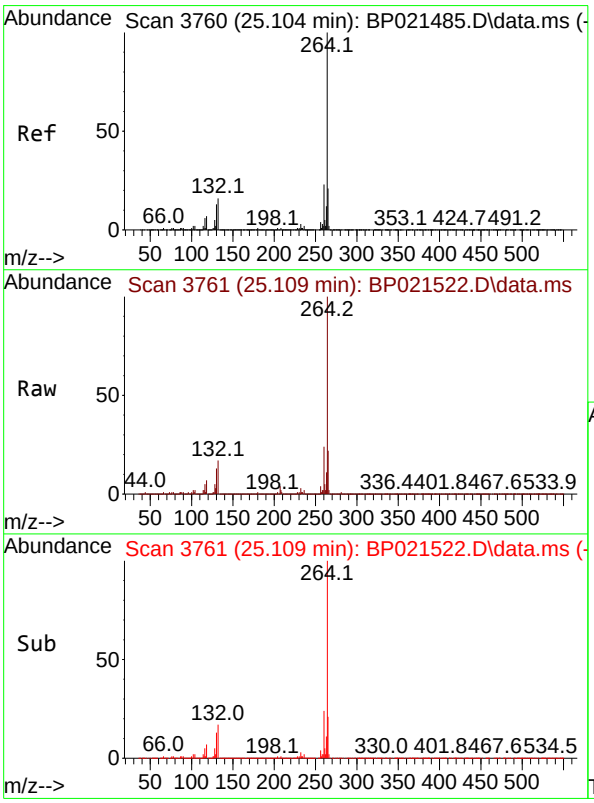
#79
Terphenyl-d14
Concen: 59.402 ng
RT: 19.974 min Scan# 2
Delta R.T. -0.001 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-1-1.5-080924-FD

Tgt Ion:244 Resp: 7725700

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.3	9.4	14.2

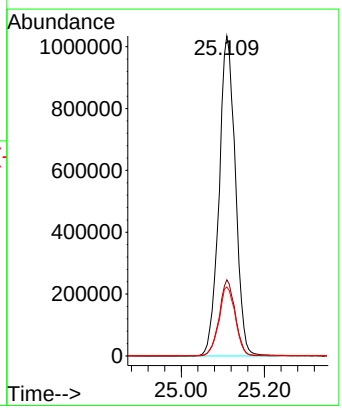




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.109 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021522.D
Acq: 15 Aug 2024 20:47

Tgt Ion:264 Resp: 2812398

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.6	17.1	25.7



Raw Data: **BF139035.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-1.5-2-080924	SDG No.:	P3573
Lab Sample ID:	P3573-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139035.D	1	08/13/24 08:30	08/15/24 21:45	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	58.3		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.1		30 (20) - 130 (109)	57%	SPK: 100
1718-51-0	Terphenyl-d14	57.5		30 (10) - 130 (105)	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41000	6.834			
1146-65-2	Naphthalene-d8	162000	8.116			
15067-26-2	Acenaphthene-d10	86100	9.869			
1517-22-2	Phenanthrene-d10	139000	11.357			
1719-03-5	Chrysene-d12	72100	13.998			
1520-96-3	Perylene-d12	78000	15.463			

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: **BF139035.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139035.D
Acq On : 15 Aug 2024 21:45
Operator : RC/JU
Sample : P3573-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Quant Time: Aug 16 00:28:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

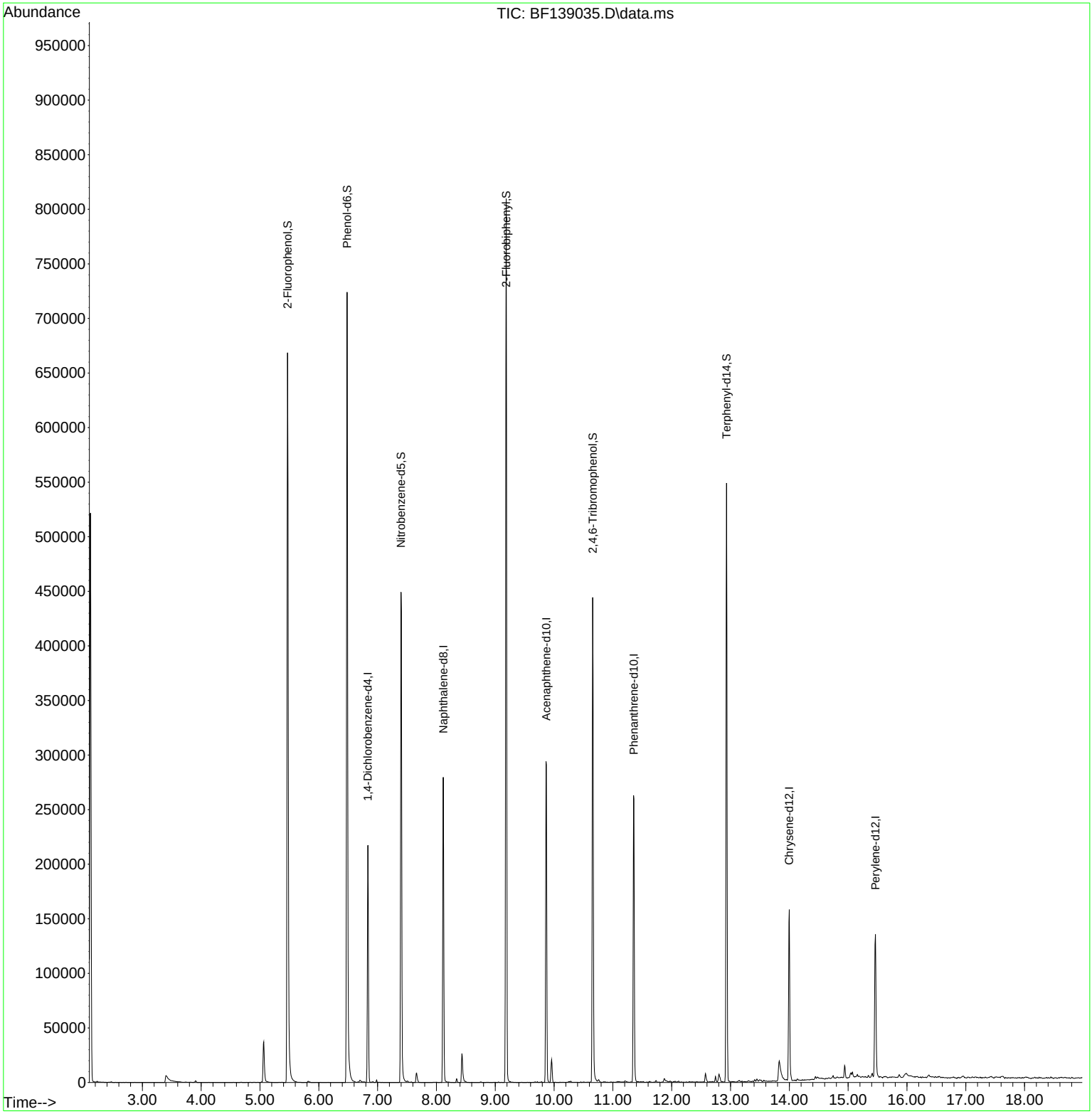
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	41035	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	161701	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	86063	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	138803	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	72129	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	77999	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	222091	83.546	ng	0.00
7) Phenol-d6	6.481	99	303274	84.973	ng	0.00
23) Nitrobenzene-d5	7.398	82	192654	58.250	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	60149	85.321	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	326965	57.082	ng	-0.02
79) Terphenyl-d14	12.933	244	247871	57.536	ng	-0.01
Target Compounds						Qvalue

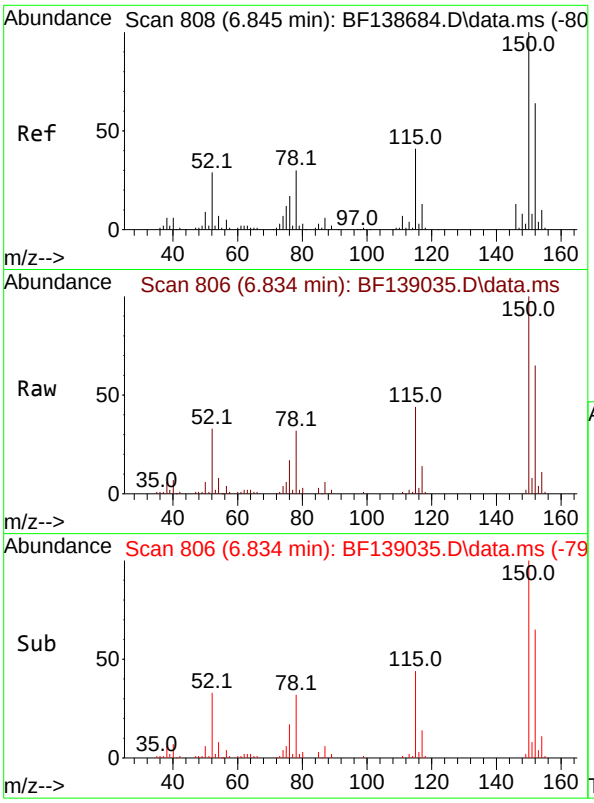
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139035.D
Acq On : 15 Aug 2024 21:45
Operator : RC/JU
Sample : P3573-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Quant Time: Aug 16 00:28:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



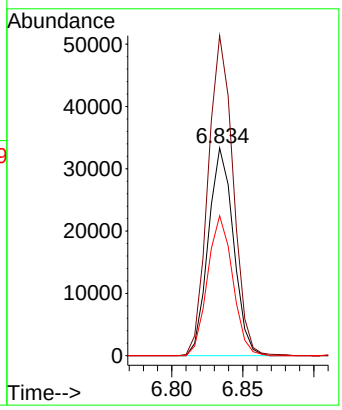


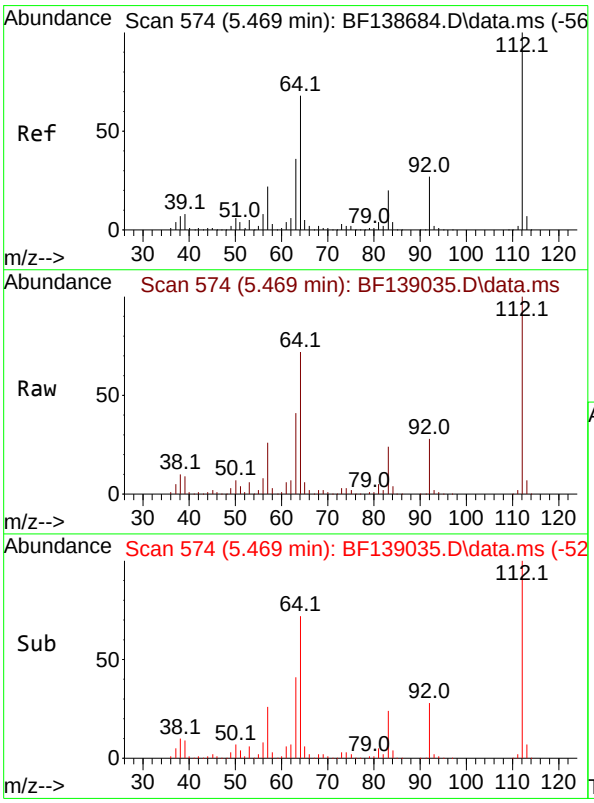
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Tgt Ion:152 Resp: 41035

Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.0	189.0
115	67.4	51.7	77.5

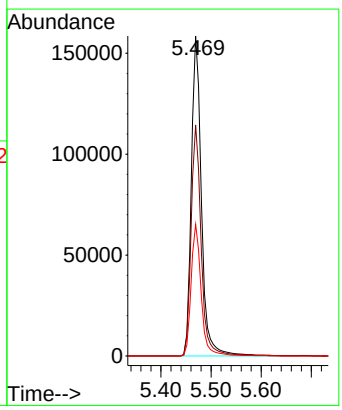


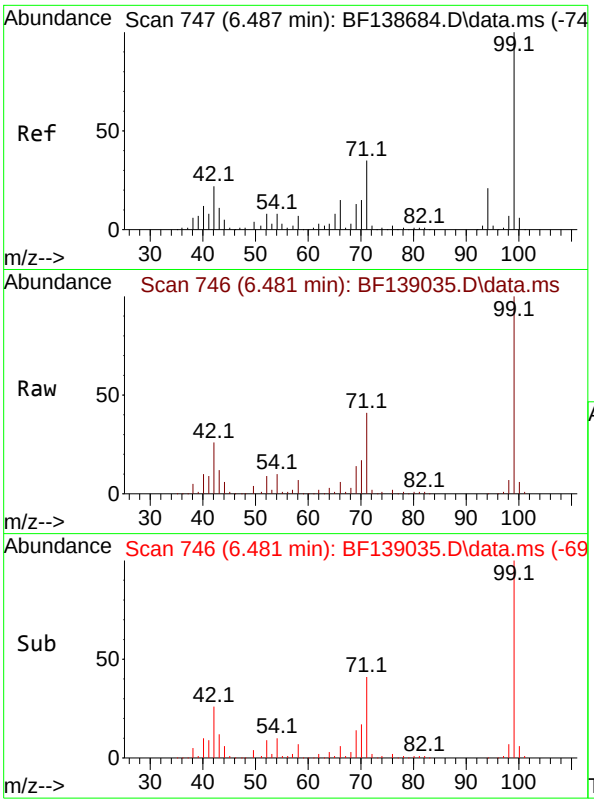


#5
2-Fluorophenol
Concen: 83.546 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Tgt Ion:112 Resp: 222091

Ion	Ratio	Lower	Upper
112	100		
64	72.2	54.2	81.4
63	41.2	28.7	43.1



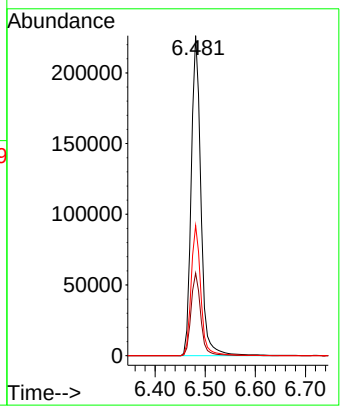


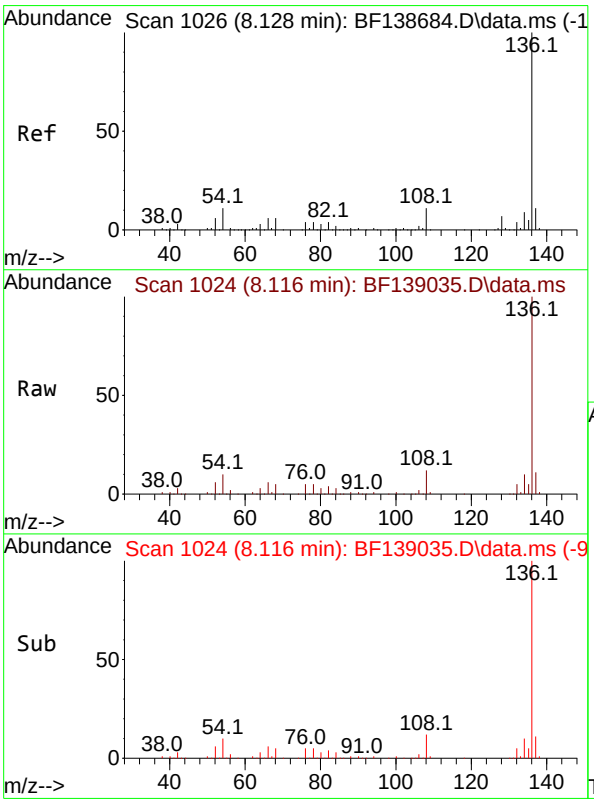
#7
Phenol-d6
Concen: 84.973 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Tgt Ion: 99 Resp: 303274

Ion	Ratio	Lower	Upper
99	100		
42	25.8	17.4	26.0
71	40.6	28.1	42.1

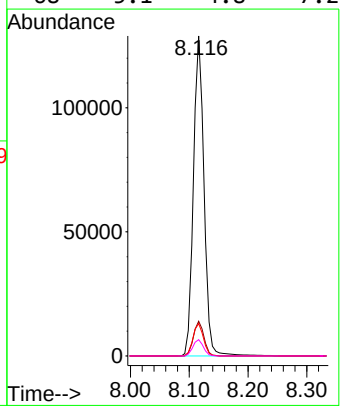


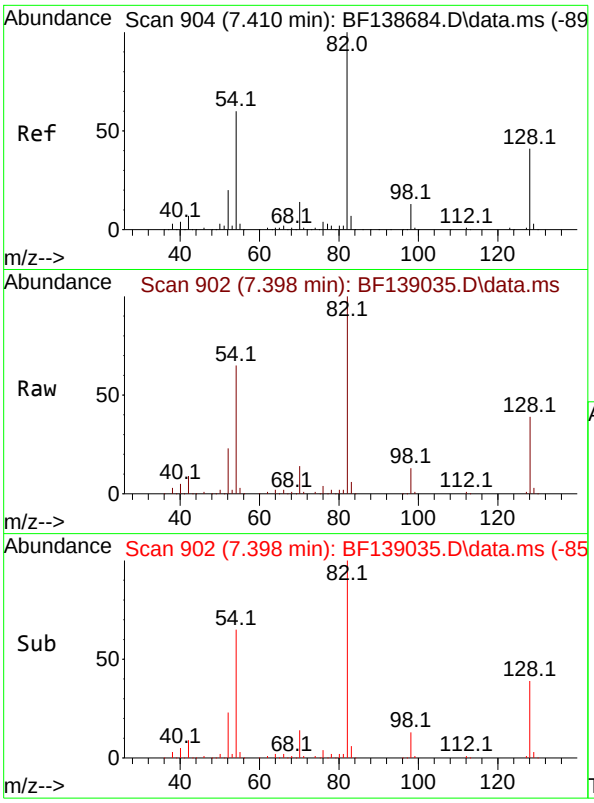


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Tgt Ion:136 Resp: 161701

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.1	8.6	12.8
68	5.1	4.8	7.2



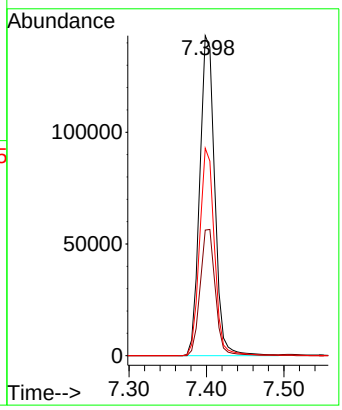


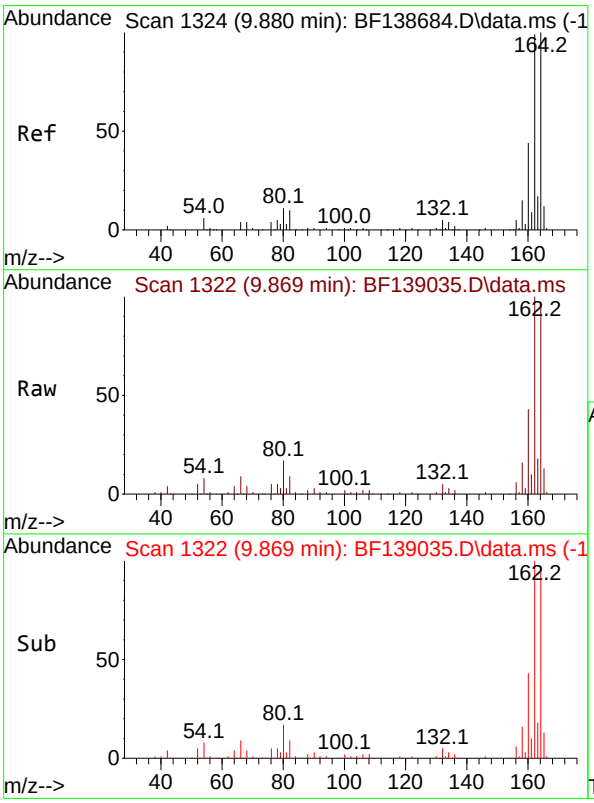
#23
Nitrobenzene-d5
Concen: 58.250 ng
RT: 7.398 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Tgt Ion: 82 Resp: 192654

Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.8	49.2
54	64.9	48.3	72.5

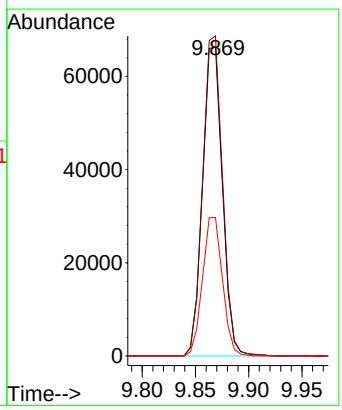


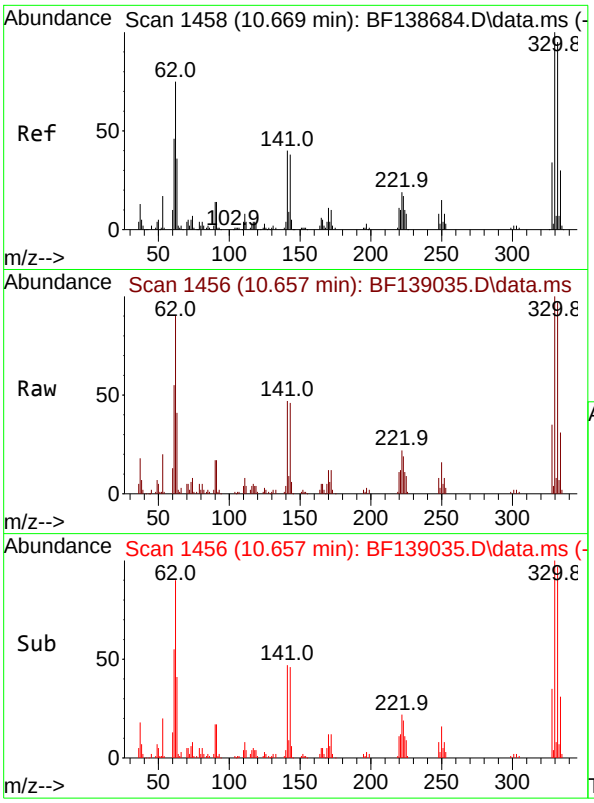


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Tgt Ion:164 Resp: 86063

Ion	Ratio	Lower	Upper
164	100		
162	103.5	79.4	119.0
160	44.8	35.1	52.7



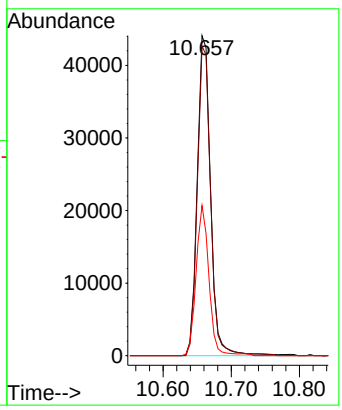


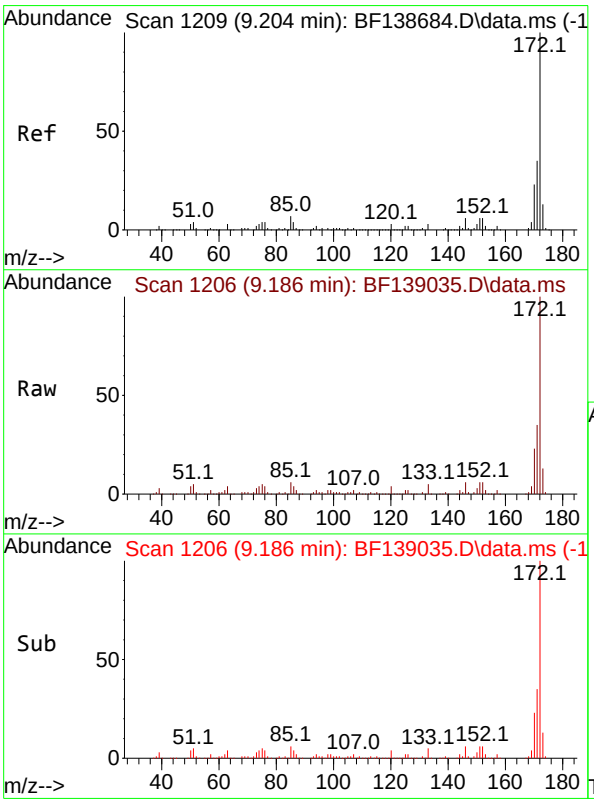
#42
2,4,6-Tribromophenol
Concen: 85.321 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Tgt Ion:330 Resp: 60149

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.4	114.6
141	45.1	31.1	46.7

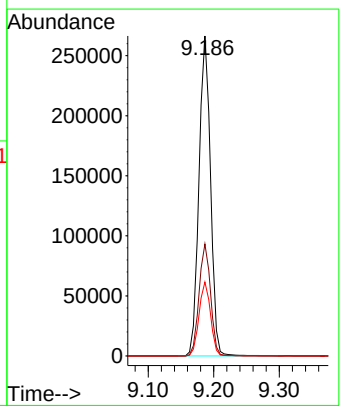


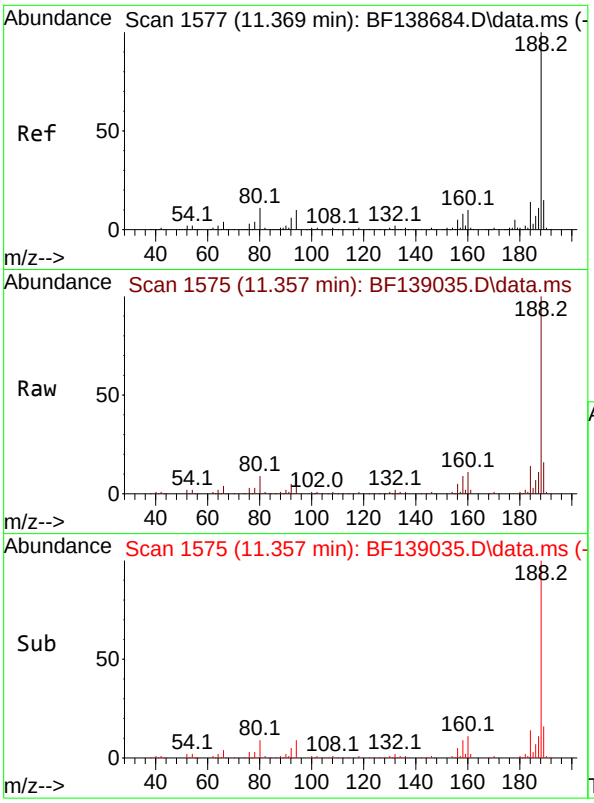


#45
2-Fluorobiphenyl
Concen: 57.082 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Tgt Ion:172 Resp: 326965

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	23.1	18.8	28.2



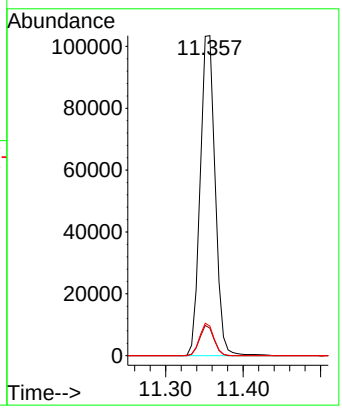


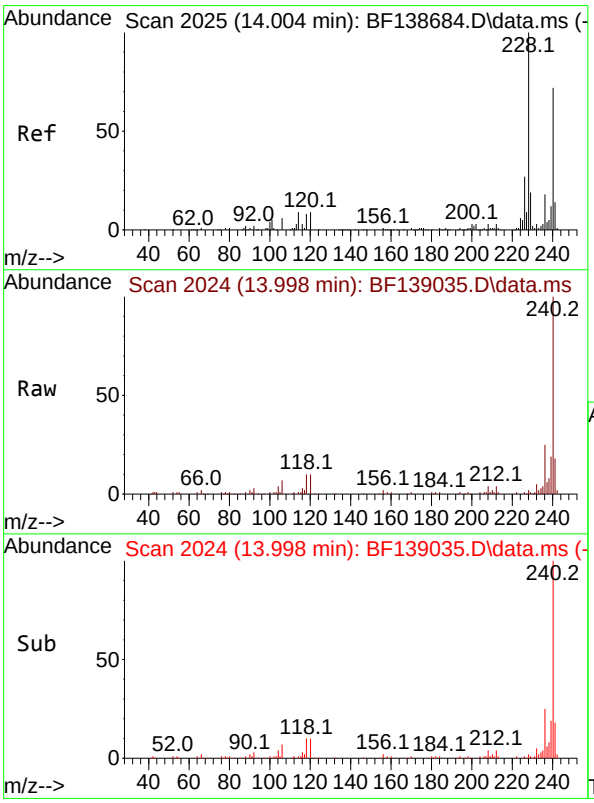
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Tgt Ion:188 Resp: 138803

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.6	11.4
80	9.3	8.6	12.8

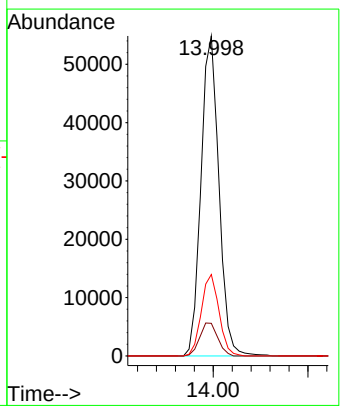


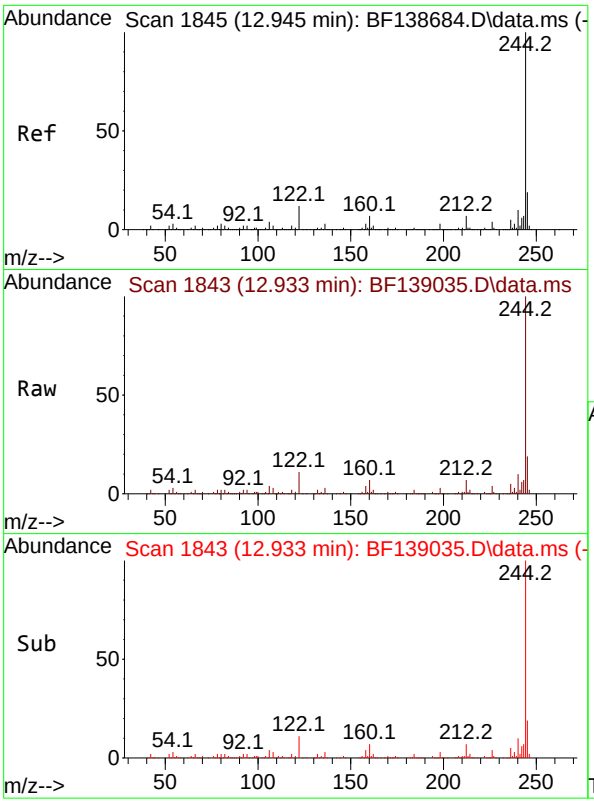


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Tgt Ion:240 Resp: 72129

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.2	15.4#
236	25.5	19.8	29.8



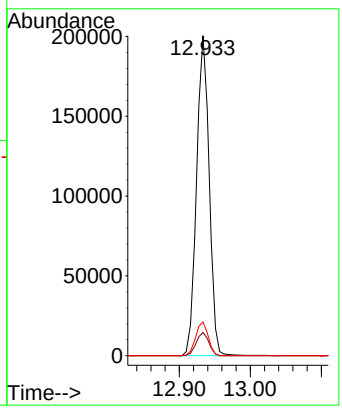


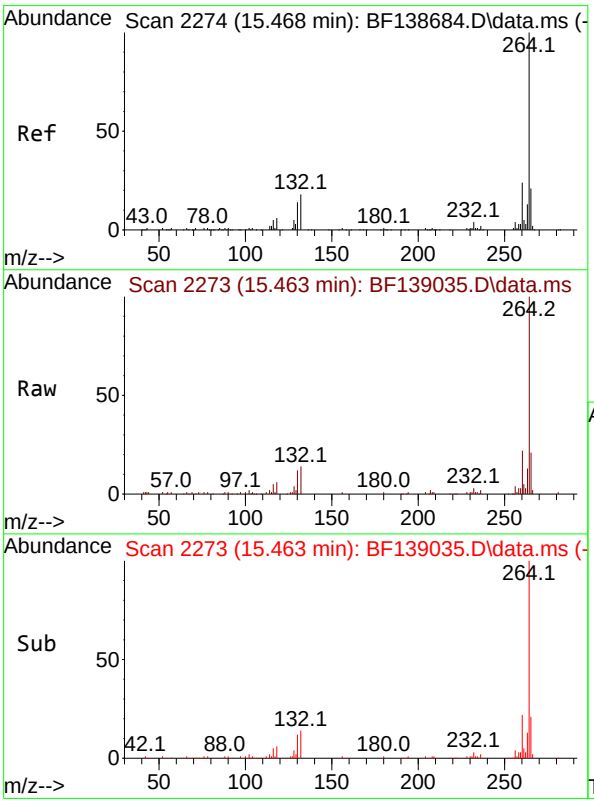
#79
Terphenyl-d14
Concen: 57.536 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1.5-2-080924

Tgt Ion:244 Resp: 247871

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	10.6	9.6	14.4

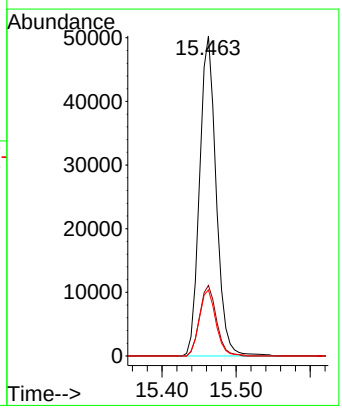




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139035.D
Acq: 15 Aug 2024 21:45

Tgt Ion:264 Resp: 77999

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.0	28.6
265	20.7	17.0	25.6



Raw Data: **BP021523.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-2-2.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP021523.D	1	08/13/24 08:30	08/15/24 21:30	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	67.6		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.4		30 (20) - 130 (109)	56%	SPK: 100
1718-51-0	Terphenyl-d14	55.9		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	388000	7.799			
1146-65-2	Naphthalene-d8	1530000	10.587			
15067-26-2	Acenaphthene-d10	963000	14.439			
1517-22-2	Phenanthrene-d10	2110000	17.245			
1719-03-5	Chrysene-d12	2260000	21.686			
1520-96-3	Perylene-d12	2270000	25.074			

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_P\Data\BP081524\
Data File : BP021523.D
Acq On : 15 Aug 2024 21:30
Operator : RC/JU
Sample : P3573-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Quant Time: Aug 16 01:30:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

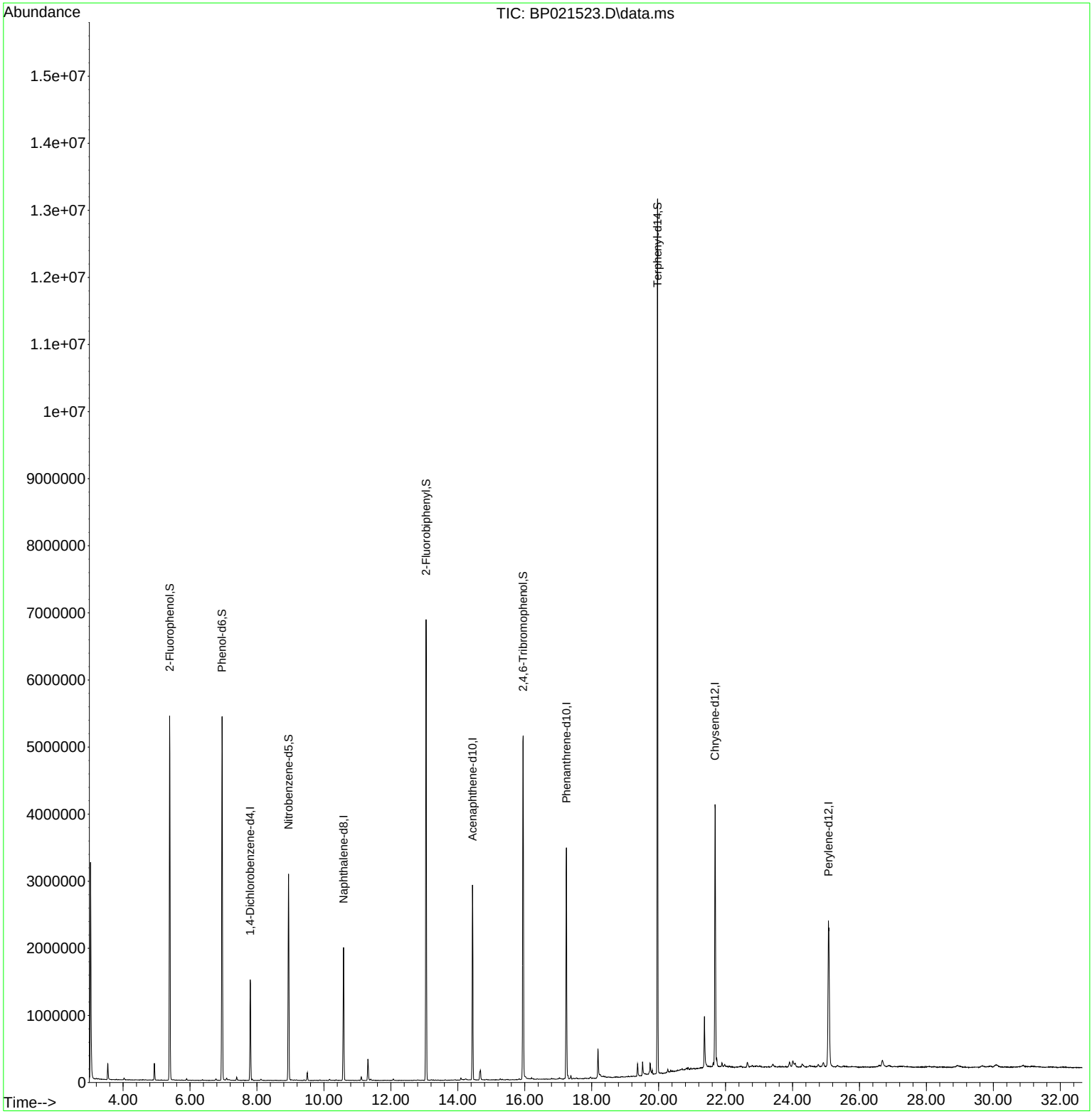
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	387937	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	1532011	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	962989	20.000	ng	-0.02
64) Phenanthrene-d10	17.245	188	2109882	20.000	ng	0.00
76) Chrysene-d12	21.686	240	2262812	20.000	ng	-0.01
86) Perylene-d12	25.074	264	2267823	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2458971	94.119	ng	0.00
7) Phenol-d6	6.957	99	3487082	91.496	ng	0.00
23) Nitrobenzene-d5	8.946	82	2006956	67.616	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1142376	106.588	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3559689	56.414	ng	-0.01
79) Terphenyl-d14	19.969	244	6507045	55.866	ng	0.00
Target Compounds						Qvalue

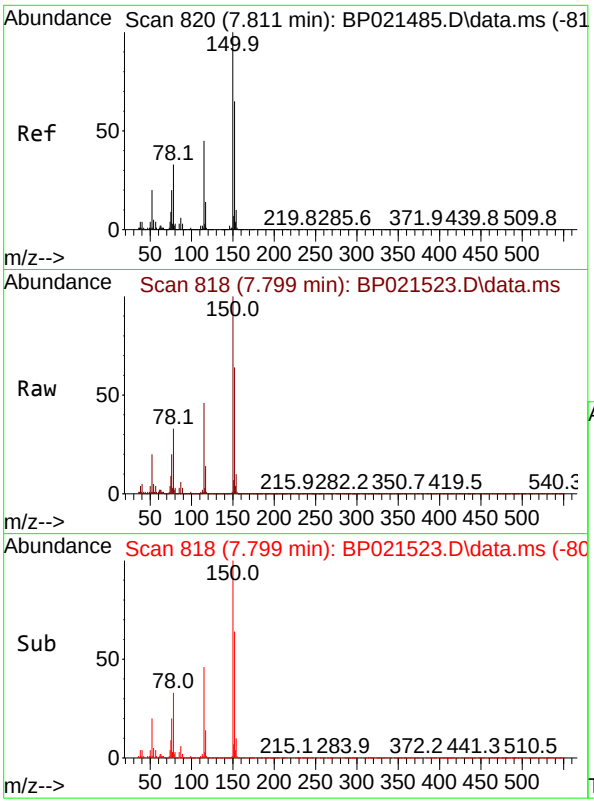
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021523.D
Acq On : 15 Aug 2024 21:30
Operator : RC/JU
Sample : P3573-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Quant Time: Aug 16 01:30:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



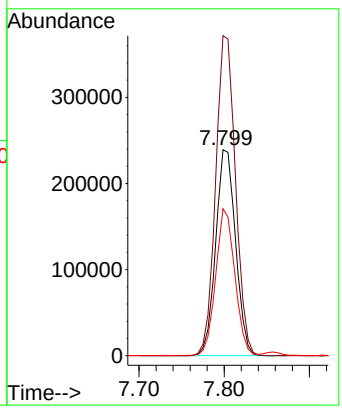


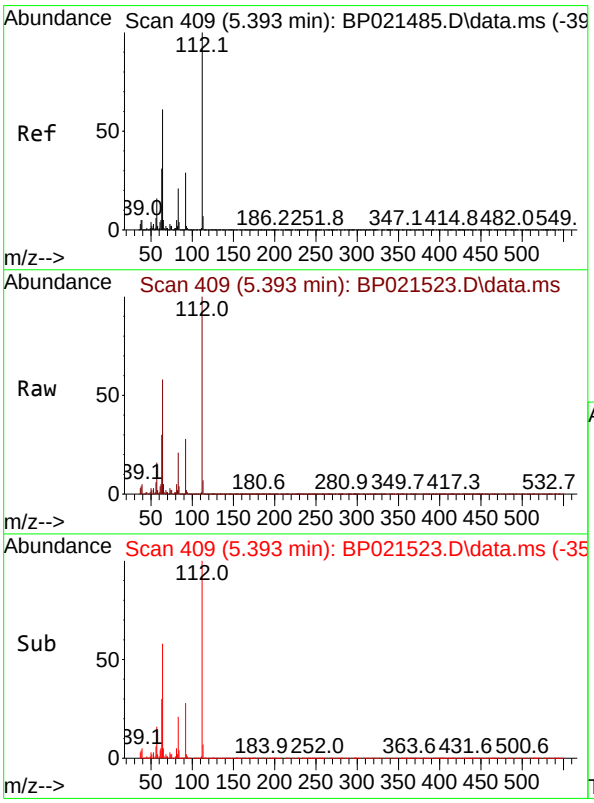
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Tgt Ion:152 Resp: 387937

Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.4	183.6
115	71.4	54.7	82.1

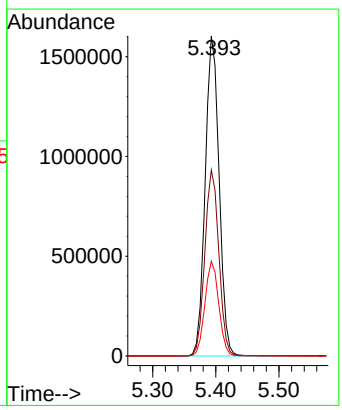


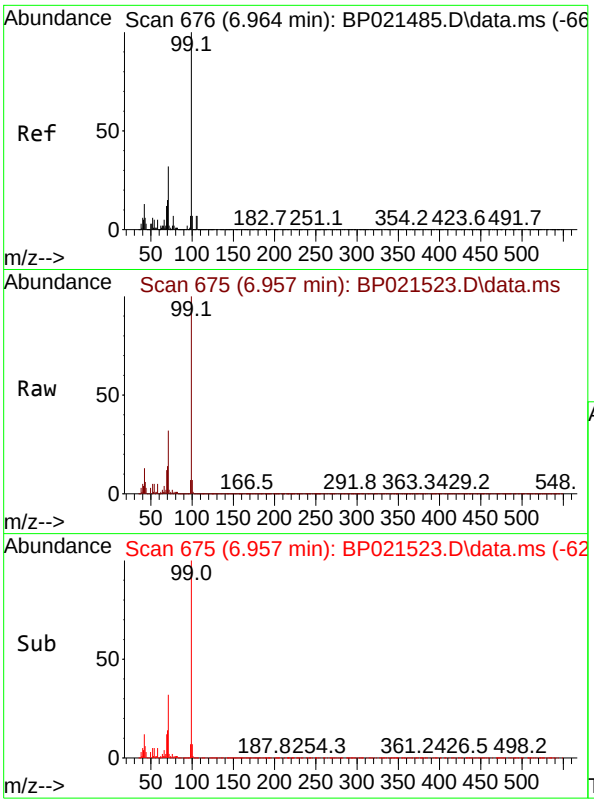


#5
2-Fluorophenol
Concen: 94.119 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:112 Resp: 2458971

Ion	Ratio	Lower	Upper
112	100		
64	58.2	49.0	73.6
63	29.6	24.6	36.8



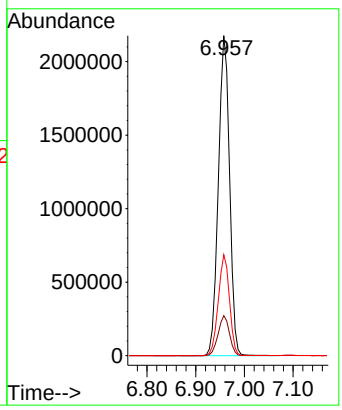


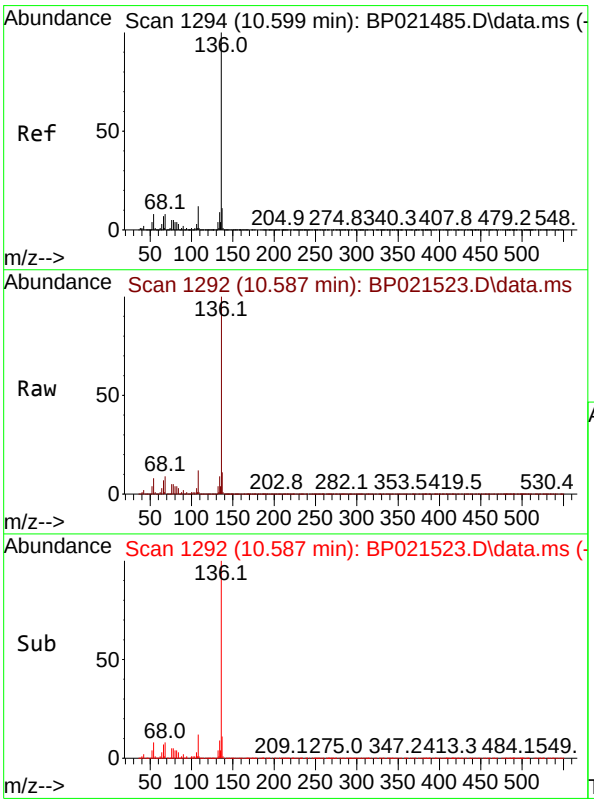
#7
Phenol-d6
Concen: 91.496 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Tgt Ion: 99 Resp: 3487082

Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	31.6	25.8	38.8

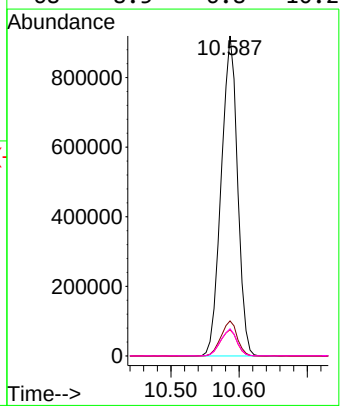


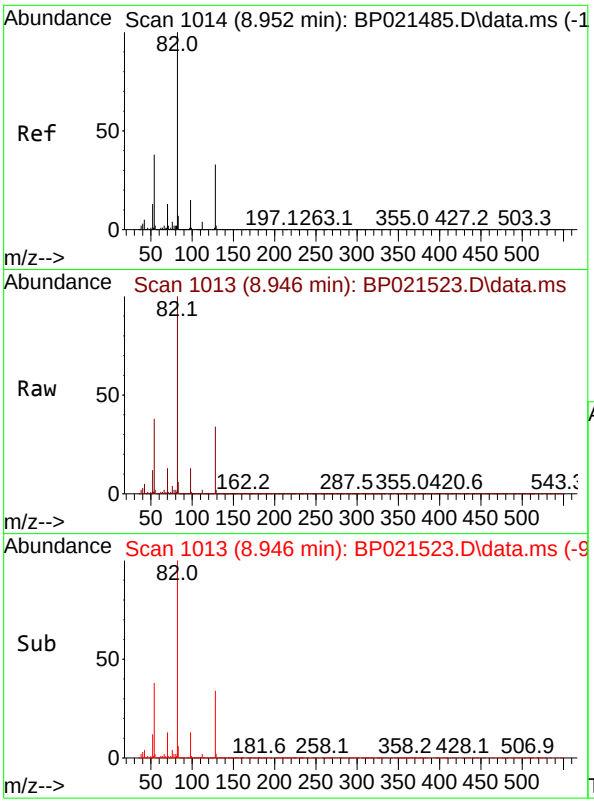


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:136 Resp: 1532011

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.3	9.5
68	8.5	6.8	10.2



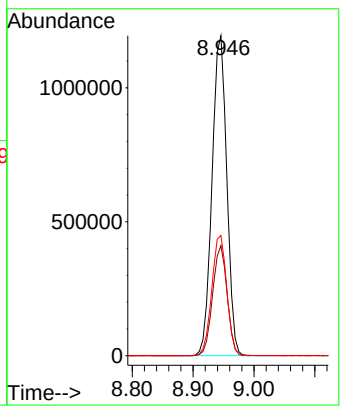


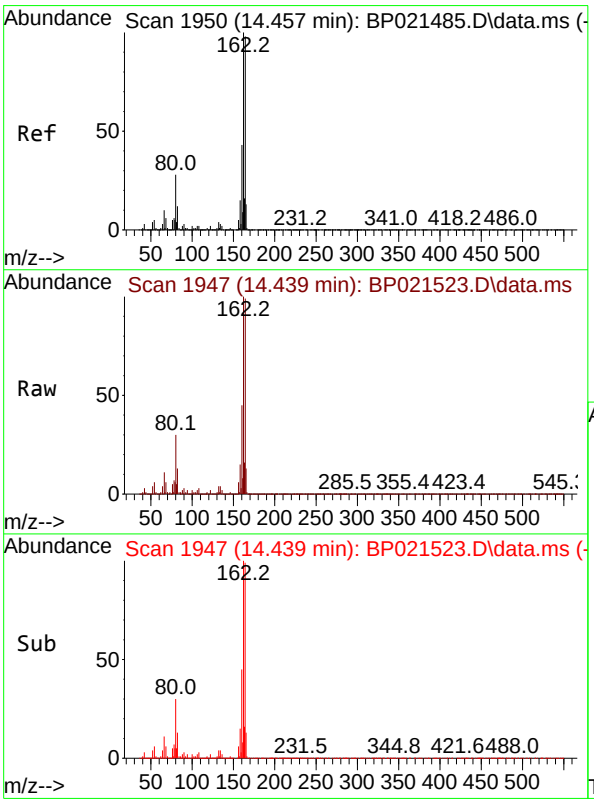
#23
Nitrobenzene-d5
Concen: 67.616 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Tgt Ion: 82 Resp: 2006956

Ion	Ratio	Lower	Upper
82	100		
128	34.4	26.5	39.7
54	37.5	30.3	45.5

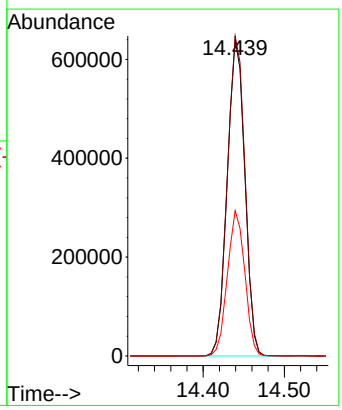


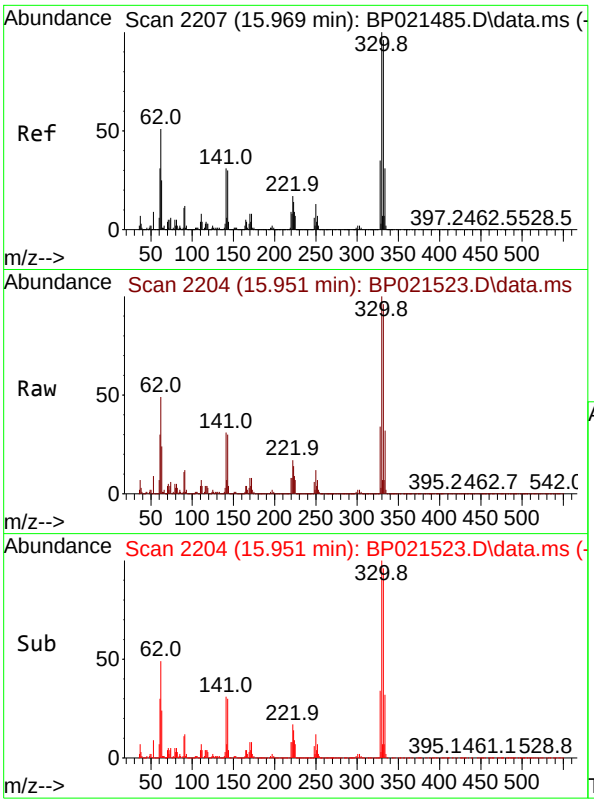


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:164 Resp: 962989

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.5	122.3
160	45.9	35.2	52.8



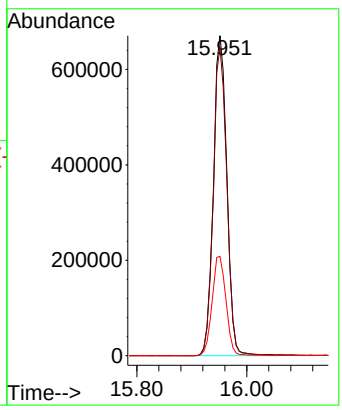


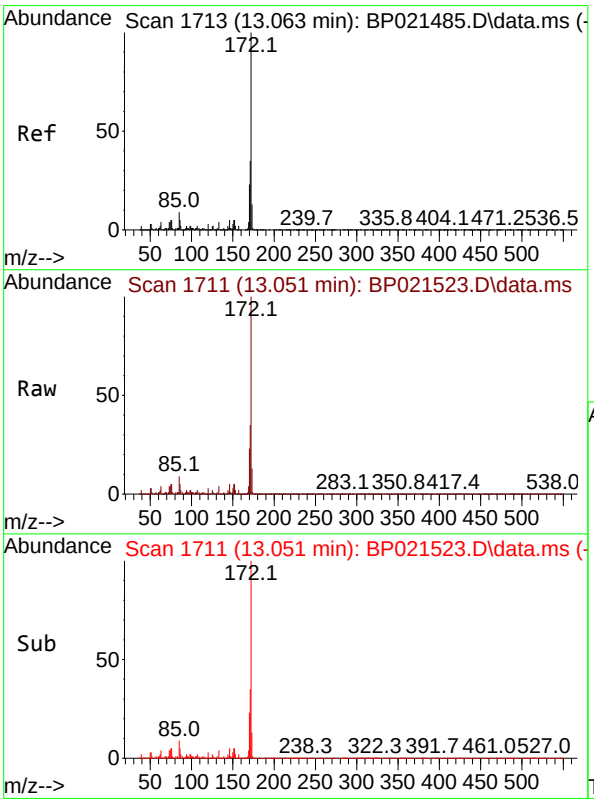
#42
2,4,6-Tribromophenol
Concen: 106.588 ng
RT: 15.951 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Tgt Ion:330 Resp: 1142376

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	32.0	24.5	36.7

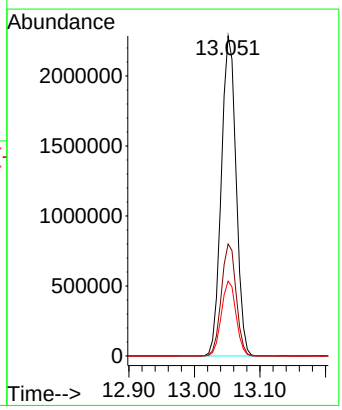


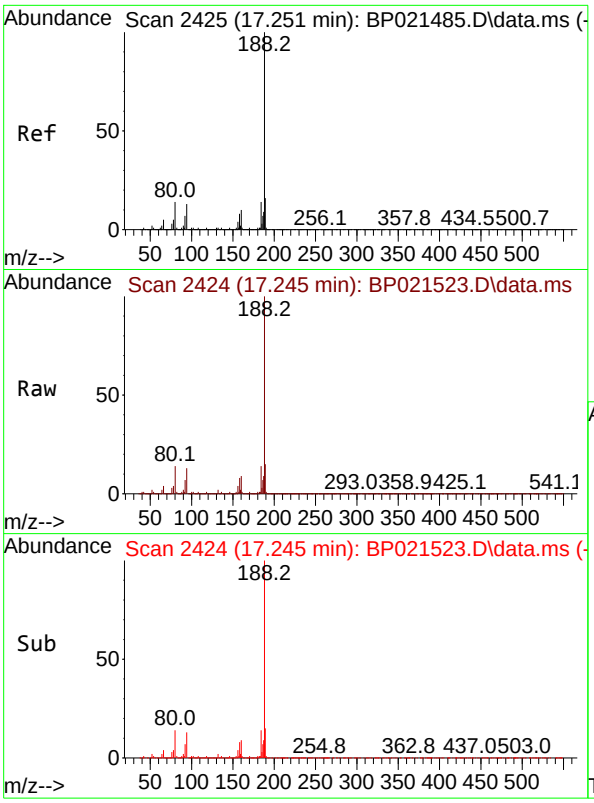


#45
2-Fluorobiphenyl
Concen: 56.414 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:172 Resp: 3559689

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.4	18.4	27.6



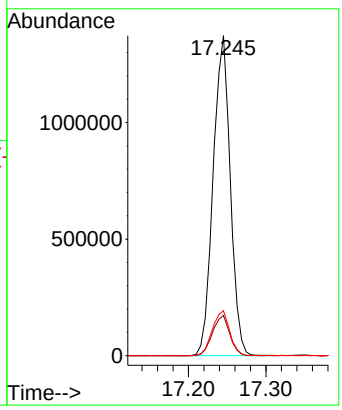


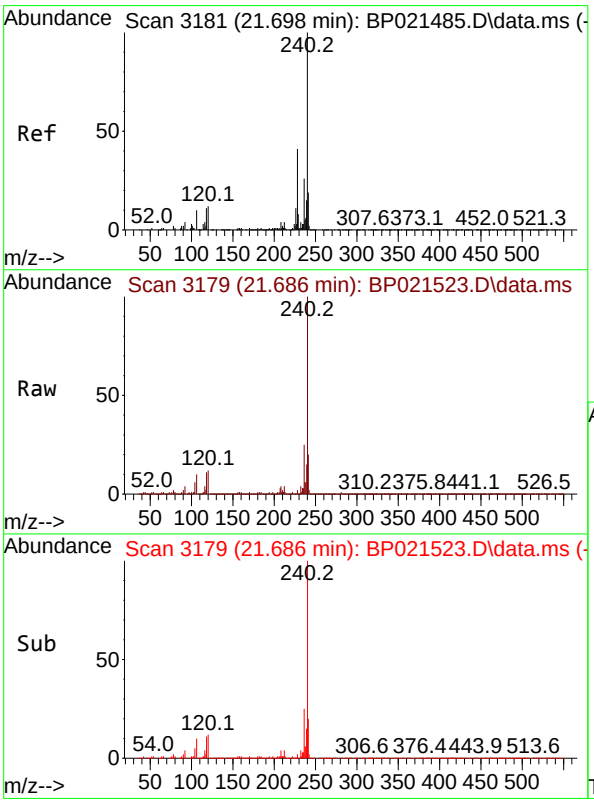
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Tgt Ion:188 Resp: 2109882

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.4
80	14.0	11.6	17.4

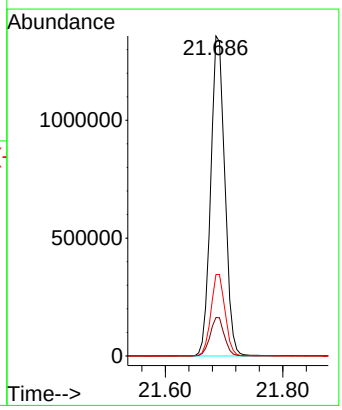


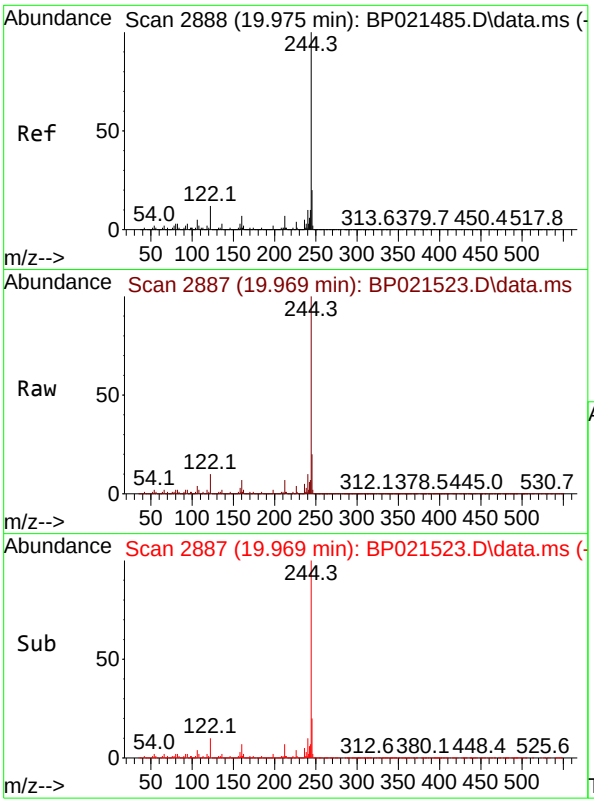


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.686 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:240 Resp: 2262812

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.9	14.9
236	25.5	20.6	30.8



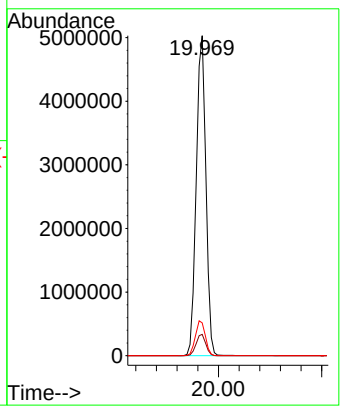


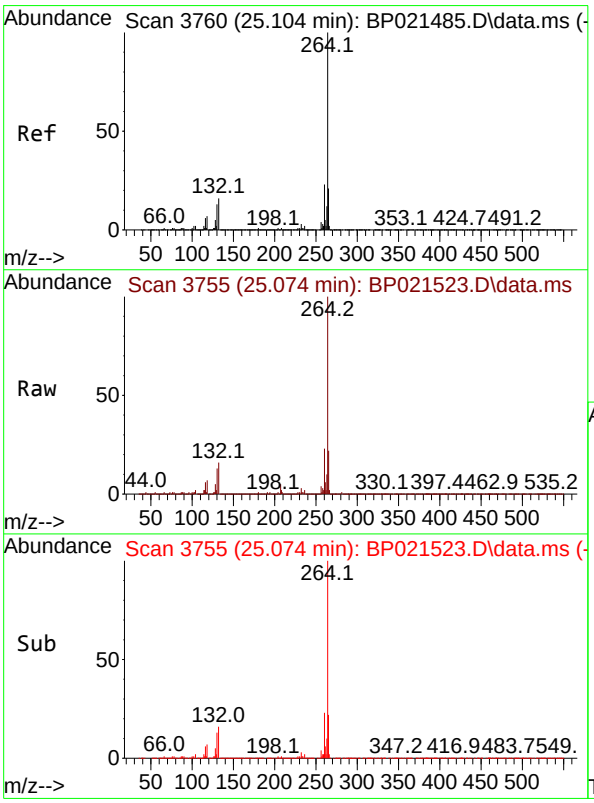
#79
Terphenyl-d14
Concen: 55.866 ng
RT: 19.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-2-2.5-080924

Tgt Ion:244 Resp: 6507045

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.2	9.4	14.2

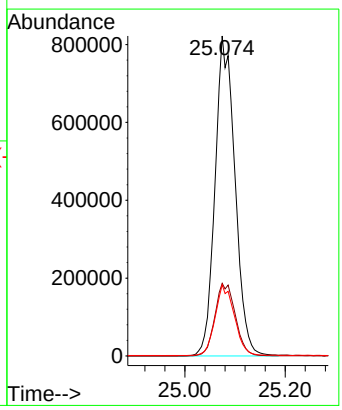




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3755
Delta R.T. -0.030 min
Lab File: BP021523.D
Acq: 15 Aug 2024 21:30

Tgt Ion:264 Resp: 2267823

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	22.3	17.1	25.7



Raw Data: **BF139036.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-3-3.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139036.D	1	08/13/24 08:30	08/15/24 22:16	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	99.7	U	99.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.3		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.6		30 (20) - 130 (109)	67%	SPK: 100
1718-51-0	Terphenyl-d14	69.4		30 (10) - 130 (105)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35800	6.833			
1146-65-2	Naphthalene-d8	148000	8.116			
15067-26-2	Acenaphthene-d10	79000	9.869			
1517-22-2	Phenanthrene-d10	130000	11.351			
1719-03-5	Chrysene-d12	65500	13.998			
1520-96-3	Perylene-d12	67300	15.462			

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: **BF139036.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139036.D
Acq On : 15 Aug 2024 22:16
Operator : RC/JU
Sample : P3573-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Quant Time: Aug 16 00:28:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

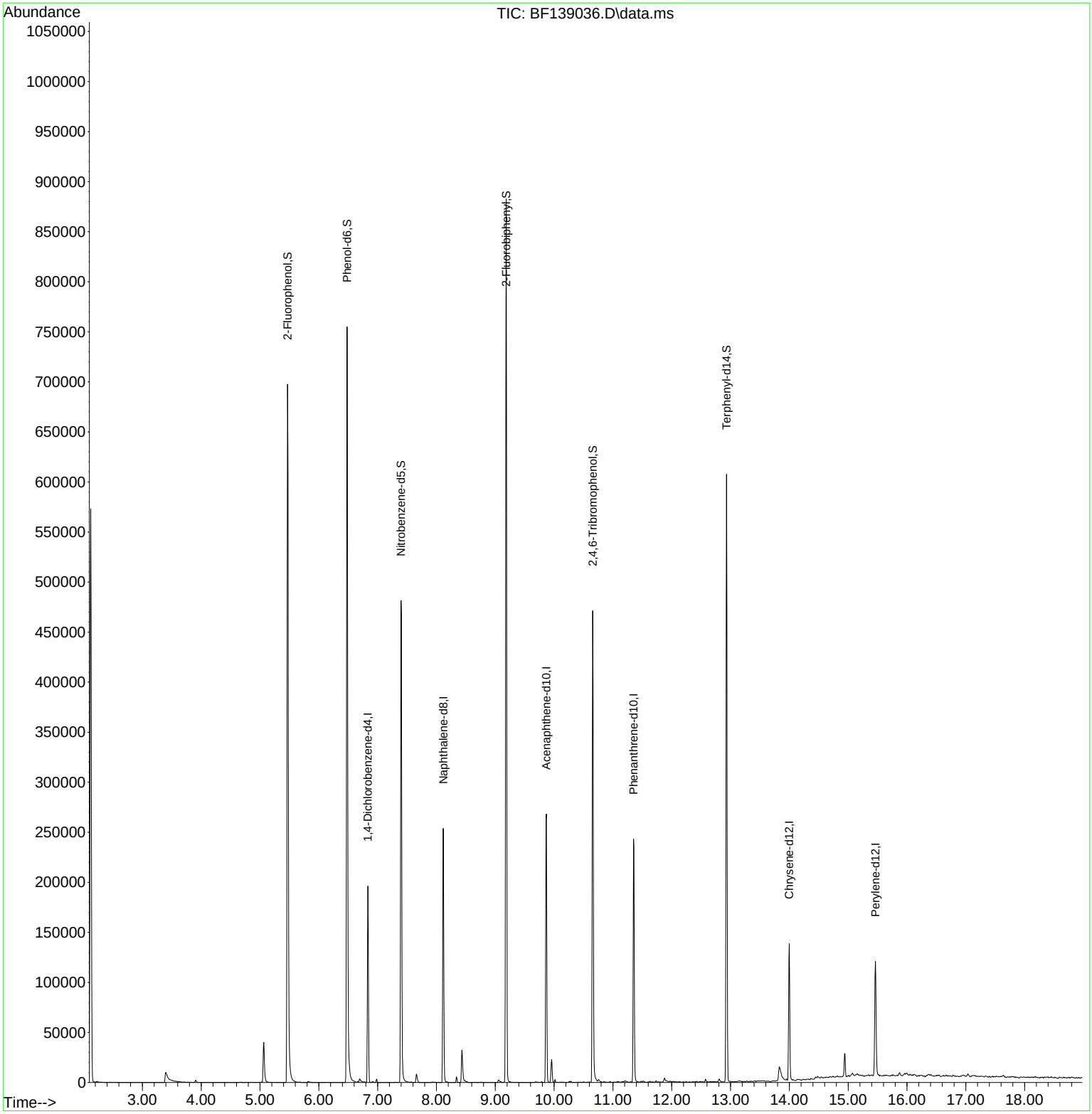
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	35836	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	148003	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	79042	20.000	ng	-0.01
64) Phenanthrene-d10	11.351	188	129814	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	65543	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	67323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	242127	104.297	ng	0.00
7) Phenol-d6	6.481	99	318062	102.046	ng	0.00
23) Nitrobenzene-d5	7.398	82	206826	68.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	65453	101.092	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	350380	66.603	ng	-0.02
79) Terphenyl-d14	12.933	244	271647	69.391	ng	-0.01
Target Compounds						Qvalue

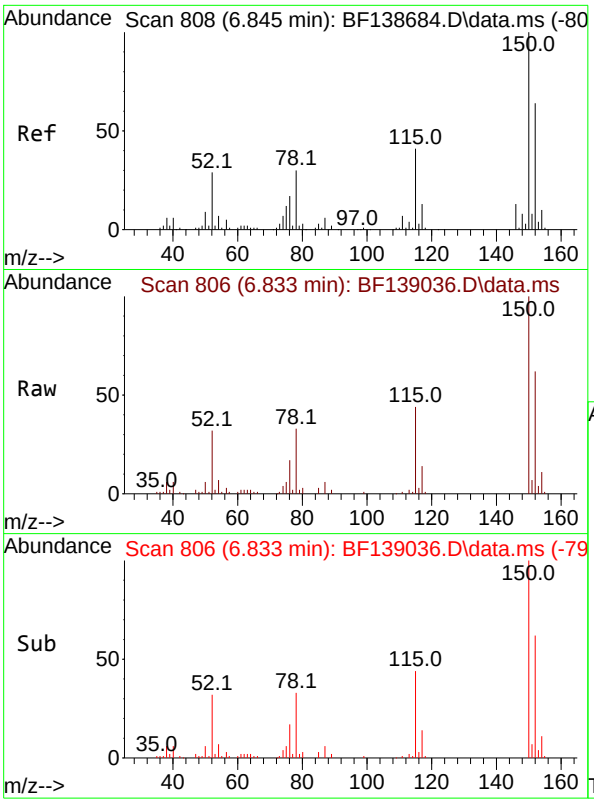
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139036.D
Acq On : 15 Aug 2024 22:16
Operator : RC/JU
Sample : P3573-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Quant Time: Aug 16 00:28:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



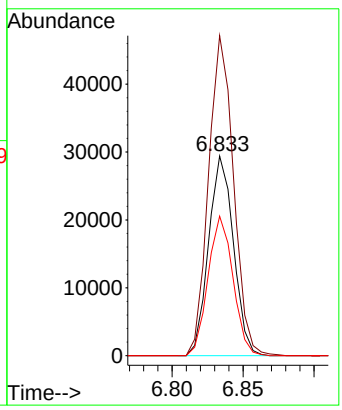


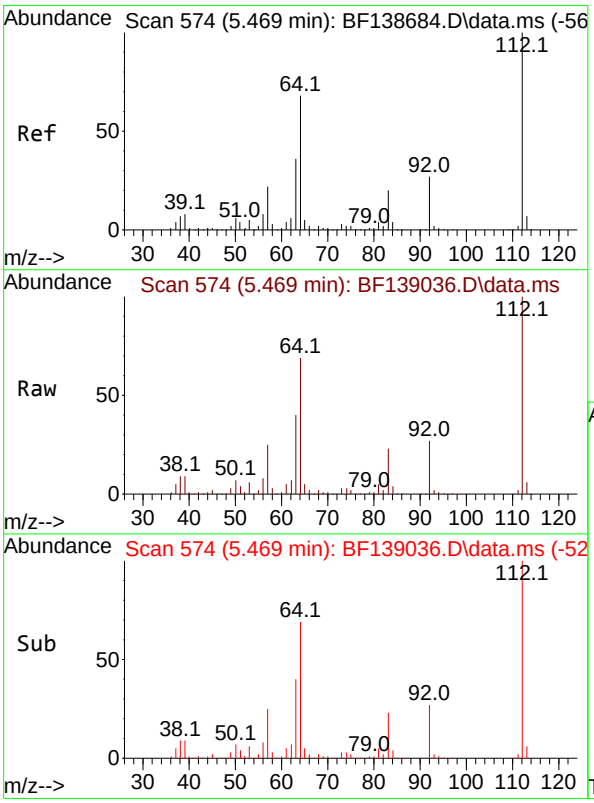
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Tgt Ion:152 Resp: 35836

Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.0	189.0
115	69.8	51.7	77.5

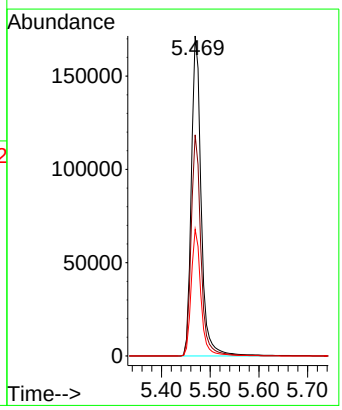


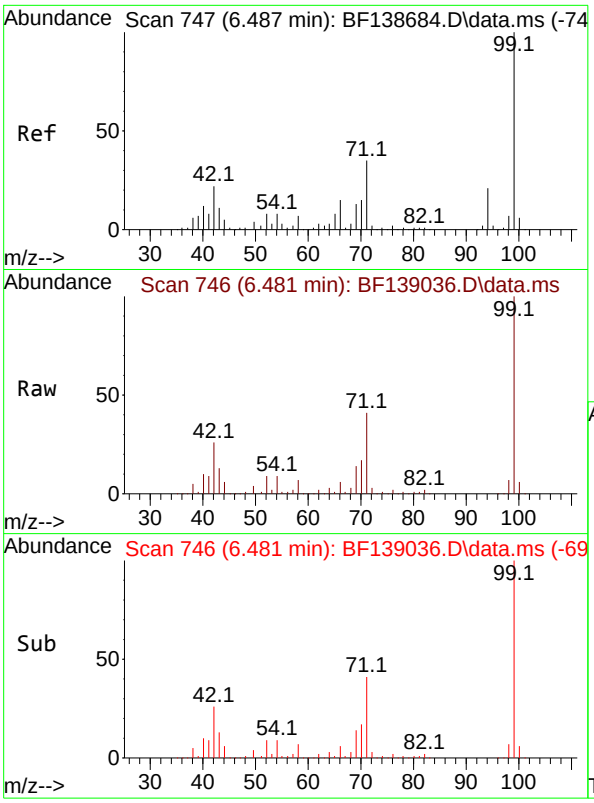


#5
2-Fluorophenol
Concen: 104.297 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Tgt Ion:112 Resp: 242127

Ion	Ratio	Lower	Upper
112	100		
64	69.1	54.2	81.4
63	39.5	28.7	43.1



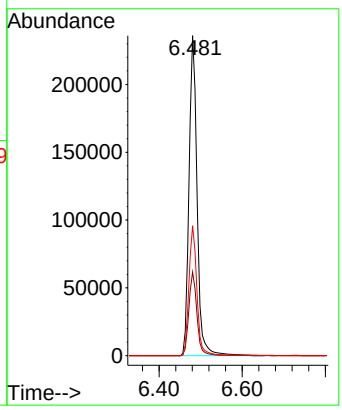


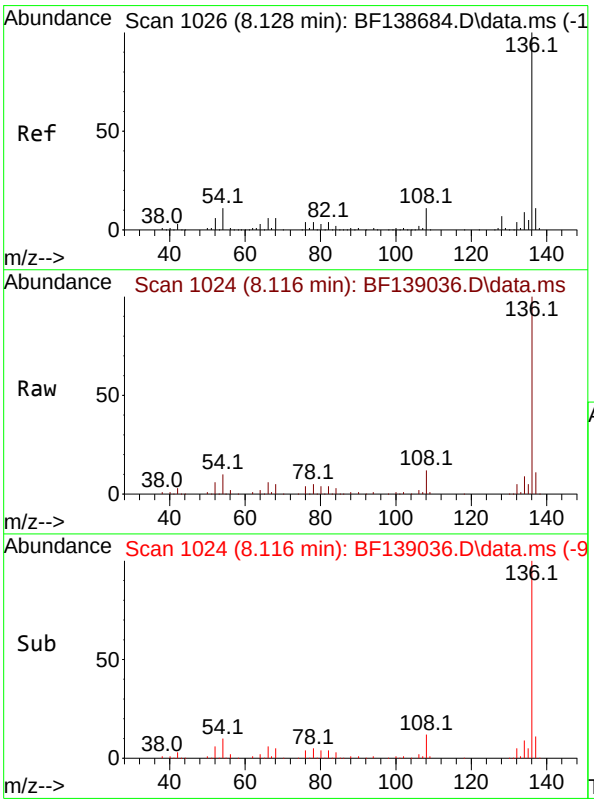
#7
Phenol-d6
Concen: 102.046 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Tgt Ion: 99 Resp: 318062

Ion	Ratio	Lower	Upper
99	100		
42	26.1	17.4	26.0#
71	40.6	28.1	42.1

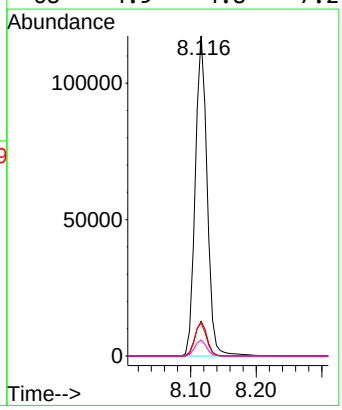


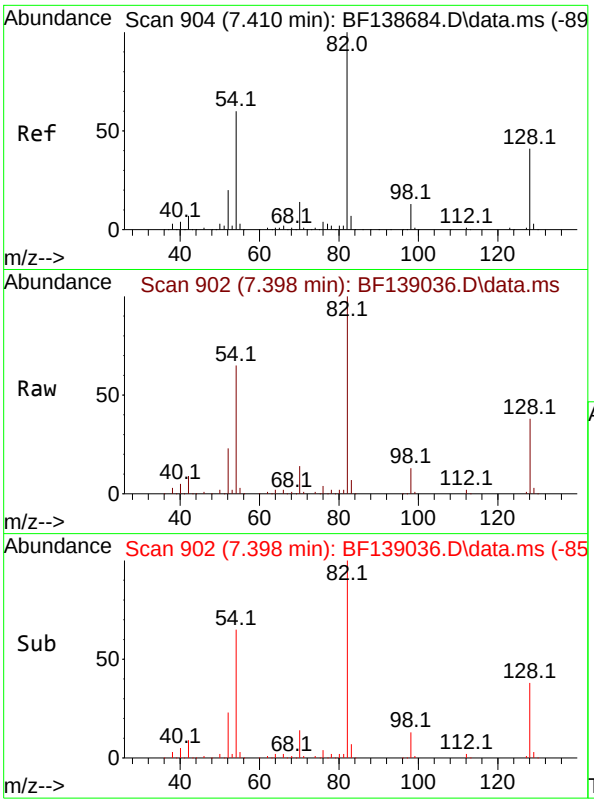


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Tgt Ion:136 Resp: 148003

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.2	8.6	12.8
68	4.9	4.8	7.2



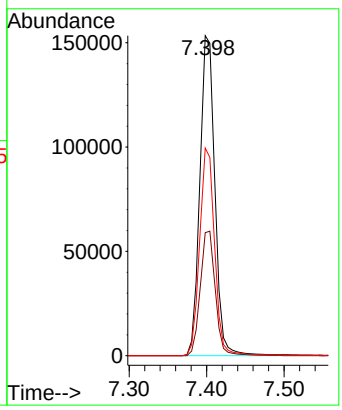


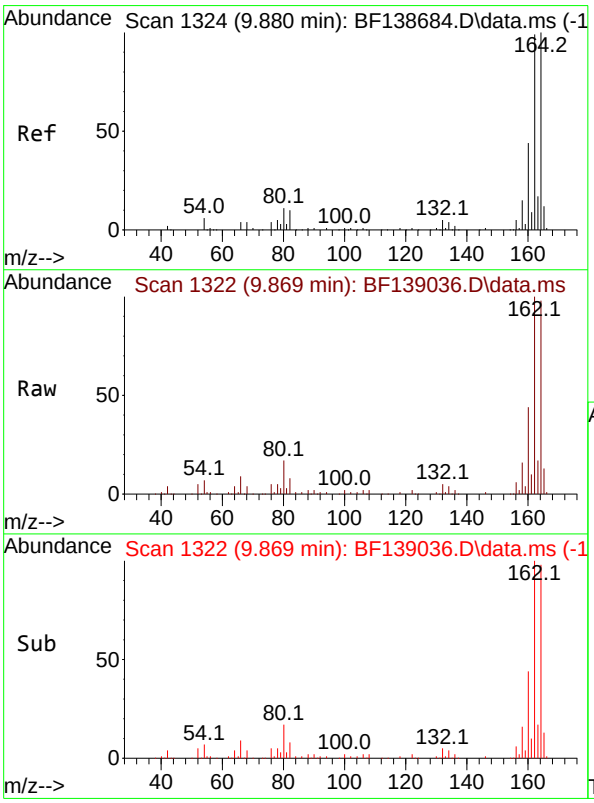
#23
Nitrobenzene-d5
Concen: 68.323 ng
RT: 7.398 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Tgt Ion: 82 Resp: 206826

Ion	Ratio	Lower	Upper
82	100		
128	38.4	32.8	49.2
54	64.9	48.3	72.5

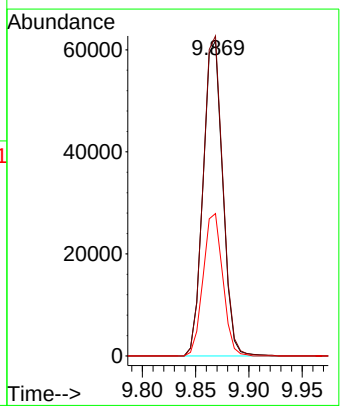


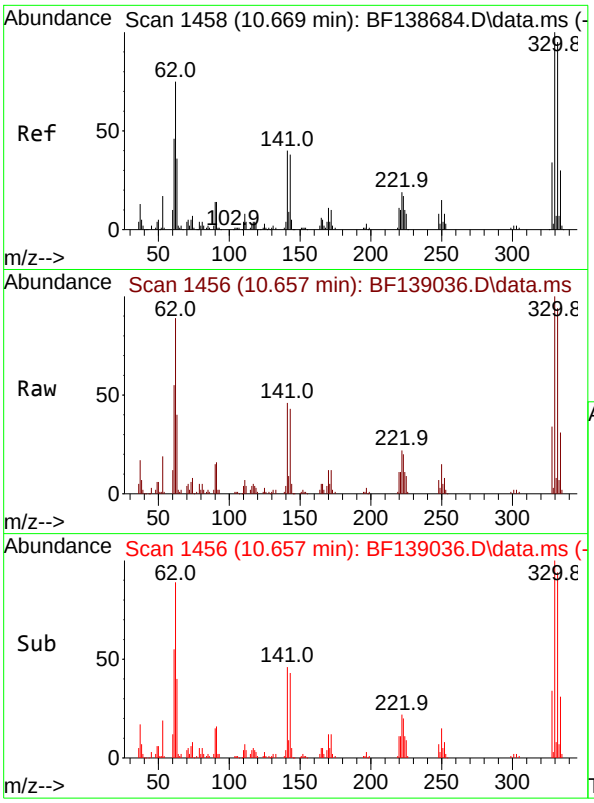


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Tgt Ion:164 Resp: 79042

Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.4	119.0
160	45.2	35.1	52.7



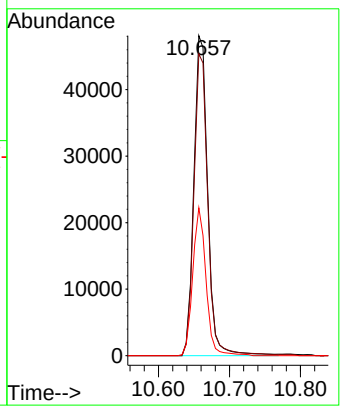


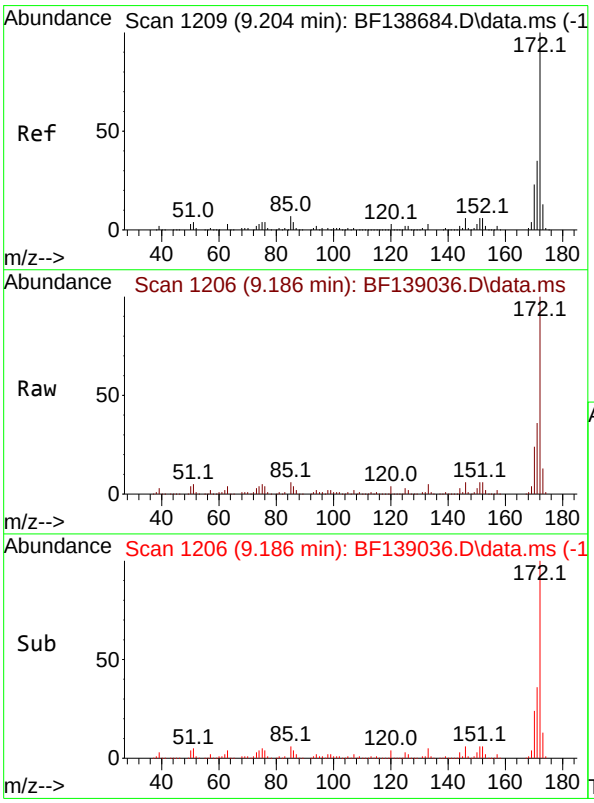
#42
2,4,6-Tribromophenol
Concen: 101.092 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Tgt Ion:330 Resp: 65453

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.4	114.6
141	44.2	31.1	46.7

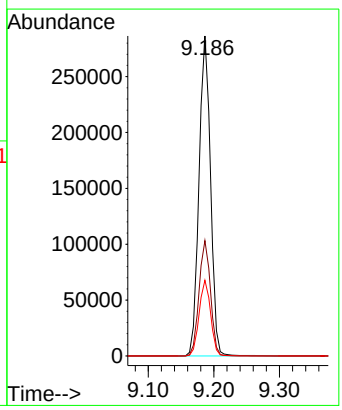


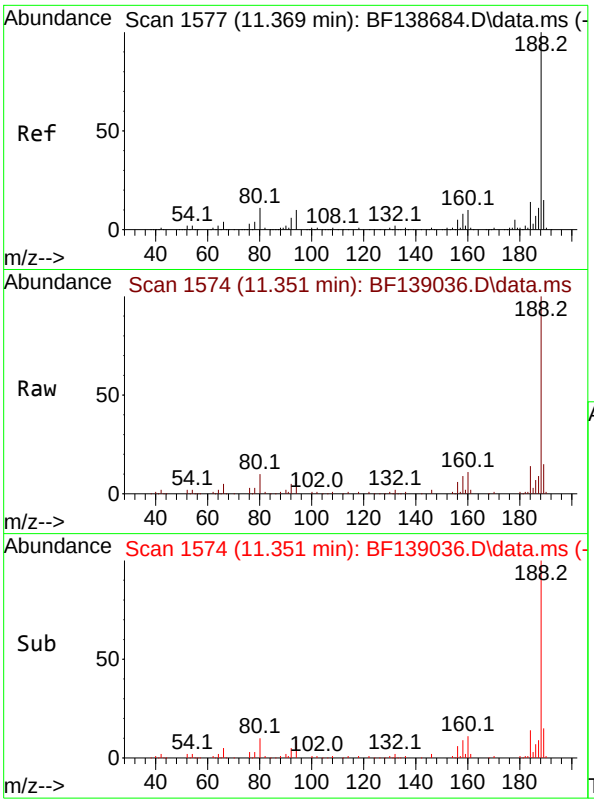


#45
2-Fluorobiphenyl
Concen: 66.603 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Tgt Ion:172 Resp: 350380

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.3	42.5
170	23.7	18.8	28.2



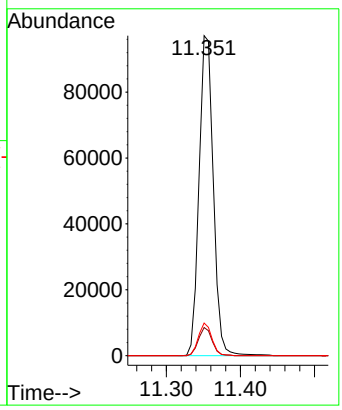


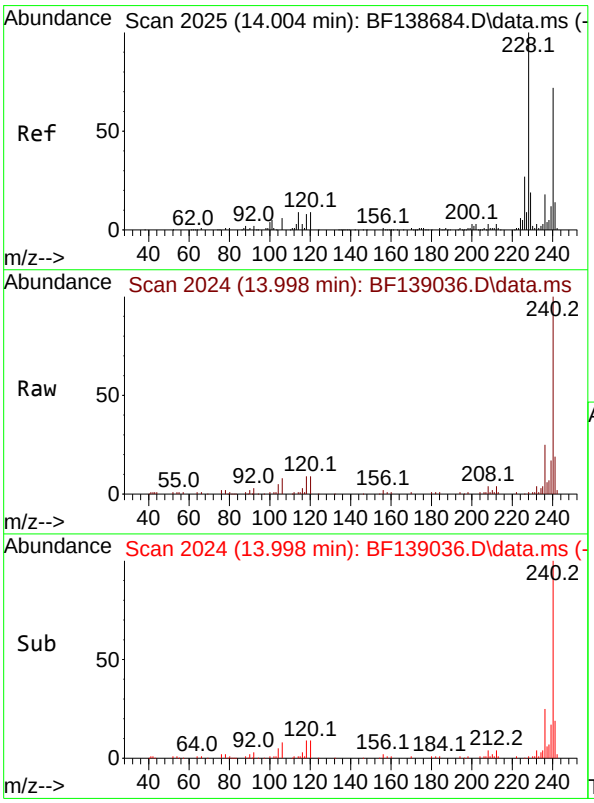
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Tgt Ion:188 Resp: 129814

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	10.2	8.6	12.8

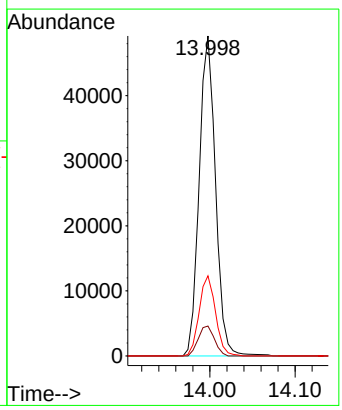


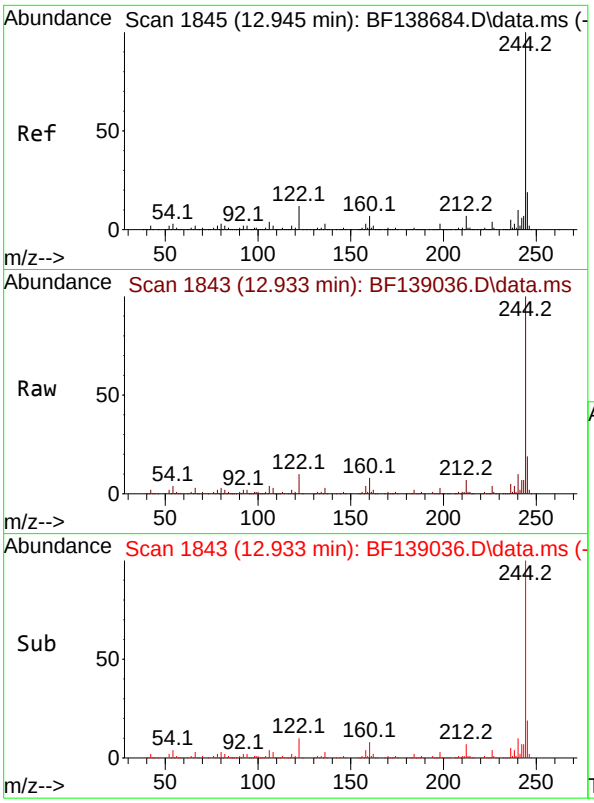


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Tgt Ion:240 Resp: 65543

Ion	Ratio	Lower	Upper
240	100		
120	9.3	10.2	15.4#
236	25.1	19.8	29.8



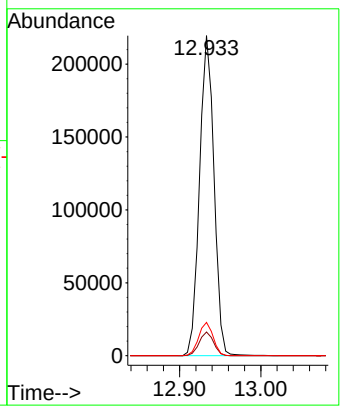


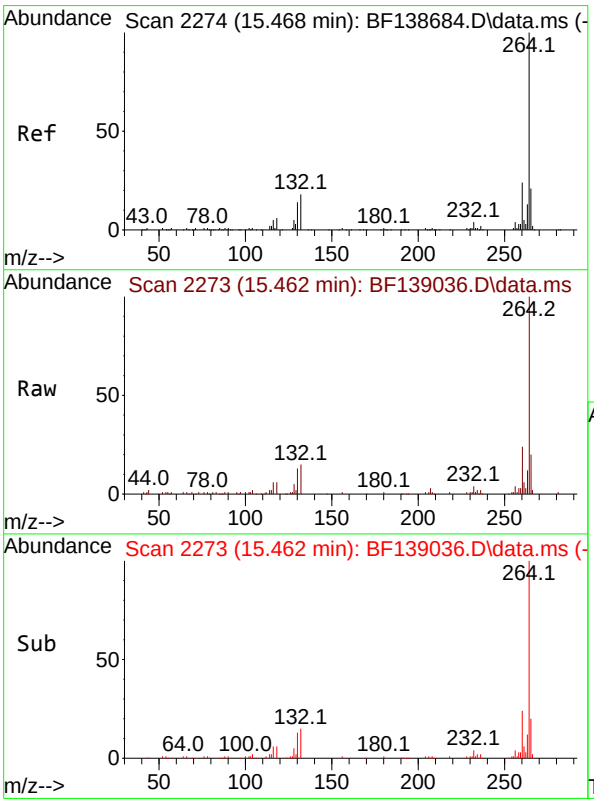
#79
Terphenyl-d14
Concen: 69.391 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-3-3.5-080924

Tgt Ion:244 Resp: 271647

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	10.4	9.6	14.4

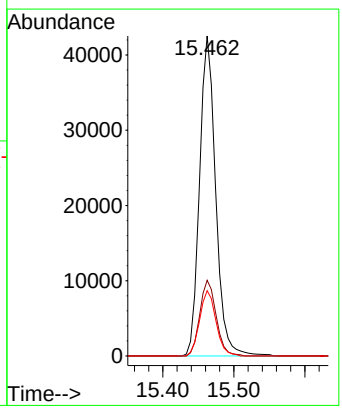




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139036.D
Acq: 15 Aug 2024 22:16

Tgt Ion:264 Resp: 67323

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	20.4	17.0	25.6



Raw Data: **BP021524.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-4-4.5-080924	SDG No.:	P3573
Lab Sample ID:	P3573-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BP021524.D	1	08/13/24 08:30	08/15/24 22:14	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	110	U	110	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	240	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	62.2		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.8		30 (20) - 130 (109)	53%	SPK: 100
1718-51-0	Terphenyl-d14	49.3		30 (10) - 130 (105)	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	358000	7.804			
1146-65-2	Naphthalene-d8	1360000	10.587			
15067-26-2	Acenaphthene-d10	799000	14.439			
1517-22-2	Phenanthrene-d10	1710000	17.227			
1719-03-5	Chrysene-d12	1750000	21.668			
1520-96-3	Perylene-d12	2080000	25.08			

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_P\Data\BP081524\
Data File : BP021524.D
Acq On : 15 Aug 2024 22:14
Operator : RC/JU
Sample : P3573-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Quant Time: Aug 16 01:31:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

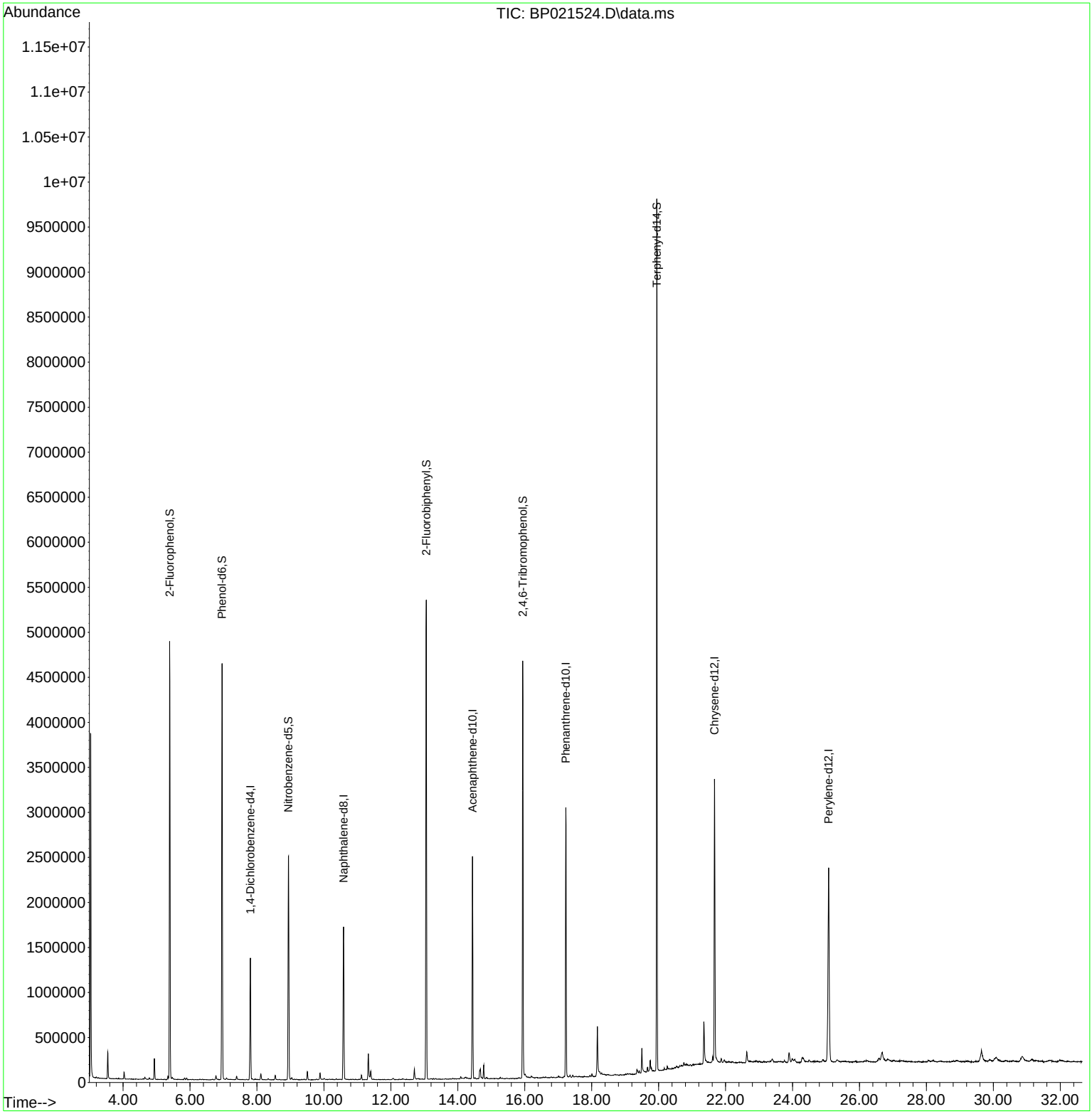
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	358136	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1355589	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	799134	20.000	ng	-0.02
64) Phenanthrene-d10	17.227	188	1708478	20.000	ng	-0.02
76) Chrysene-d12	21.668	240	1752728	20.000	ng	-0.03
86) Perylene-d12	25.080	264	2084362	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2055235	85.212	ng	0.00
7) Phenol-d6	6.957	99	2806081	79.754	ng	0.00
23) Nitrobenzene-d5	8.940	82	1634475	62.234	ng	-0.01
42) 2,4,6-Tribromophenol	15.939	330	826474	92.924	ng	-0.03
45) 2-Fluorobiphenyl	13.057	172	2766918	52.842	ng	0.00
79) Terphenyl-d14	19.945	244	4445756	49.277	ng	-0.03
Target Compounds						Qvalue

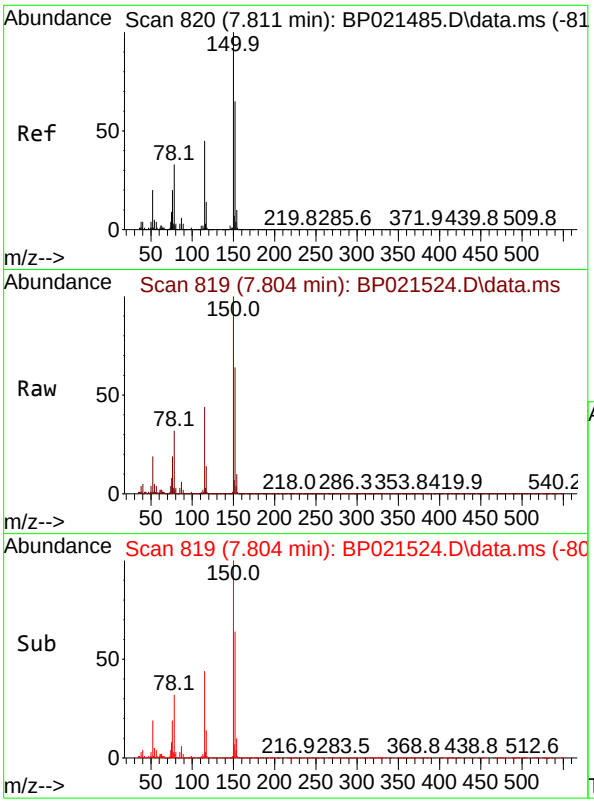
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021524.D
Acq On : 15 Aug 2024 22:14
Operator : RC/JU
Sample : P3573-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Quant Time: Aug 16 01:31:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



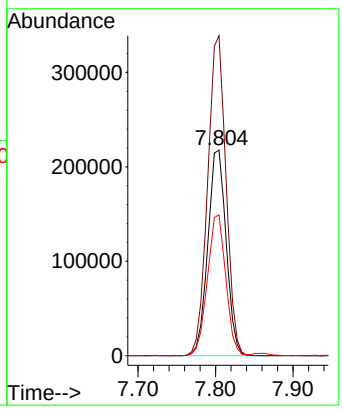


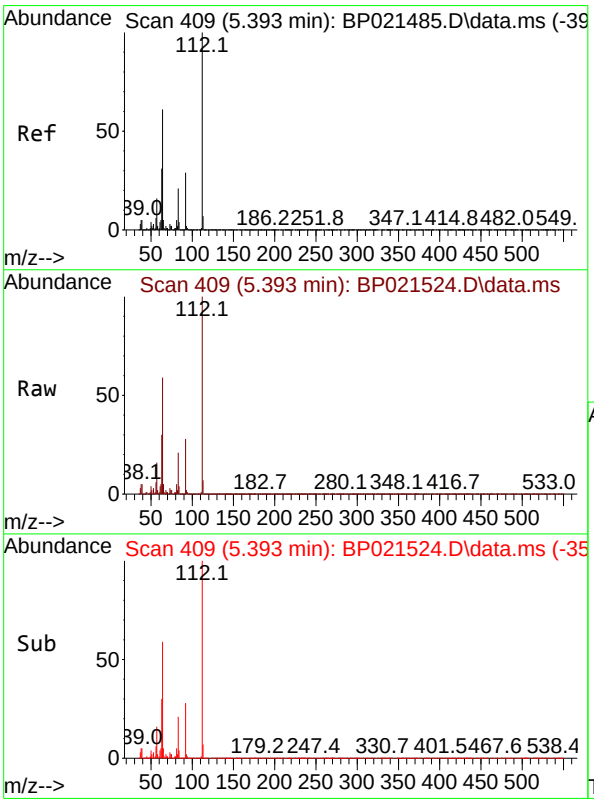
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Tgt Ion:152 Resp: 358136

Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.4	183.6
115	68.5	54.7	82.1

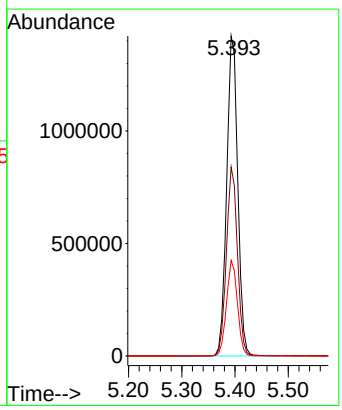


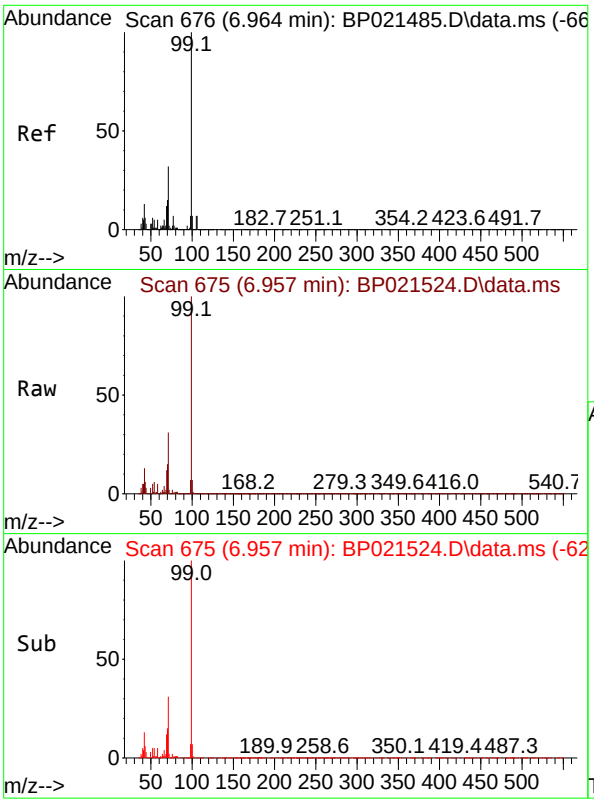


#5
2-Fluorophenol
Concen: 85.212 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Tgt Ion:112 Resp: 2055235

Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.0	73.6
63	29.8	24.6	36.8



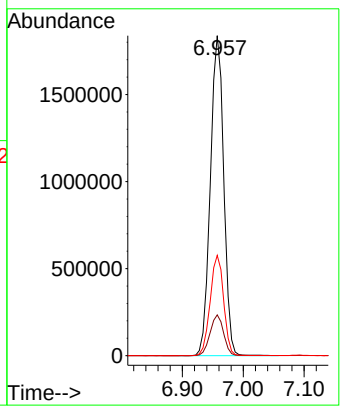


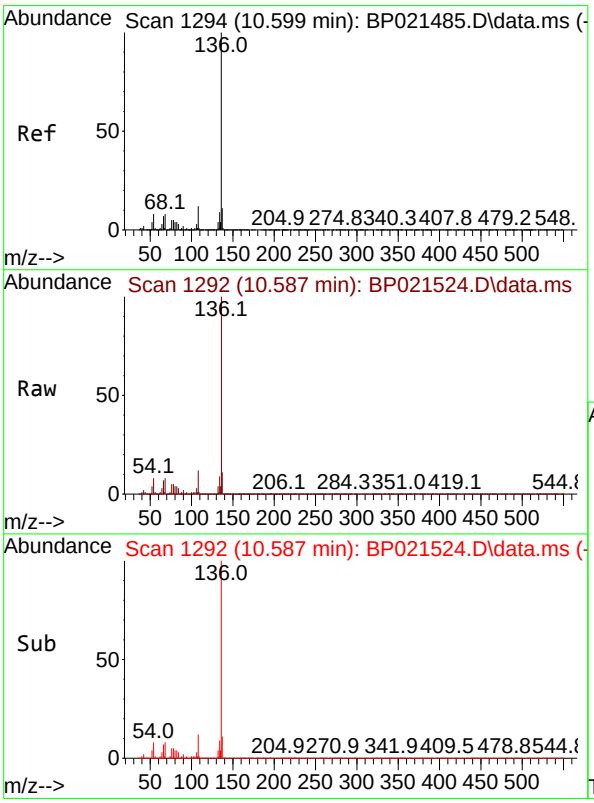
#7
Phenol-d6
Concen: 79.754 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Tgt Ion: 99 Resp: 2806081

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	31.4	25.8	38.8

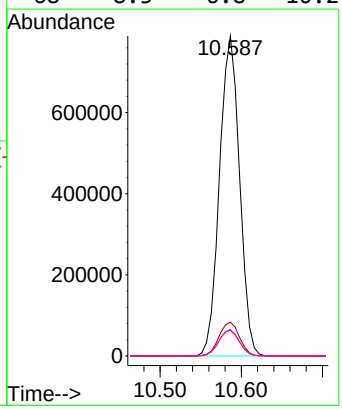


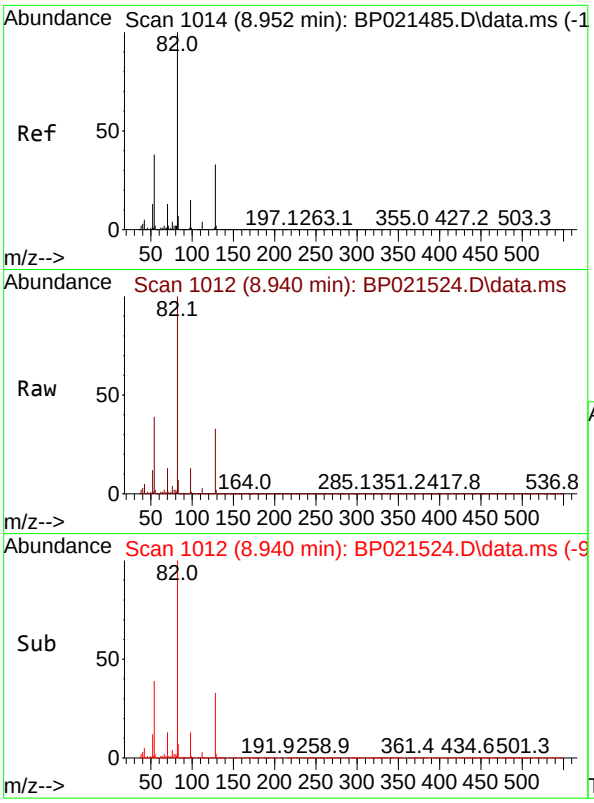


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Tgt Ion:136 Resp: 1355589

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.0	6.3	9.5
68	8.3	6.8	10.2



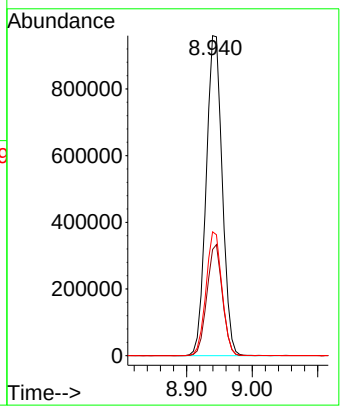


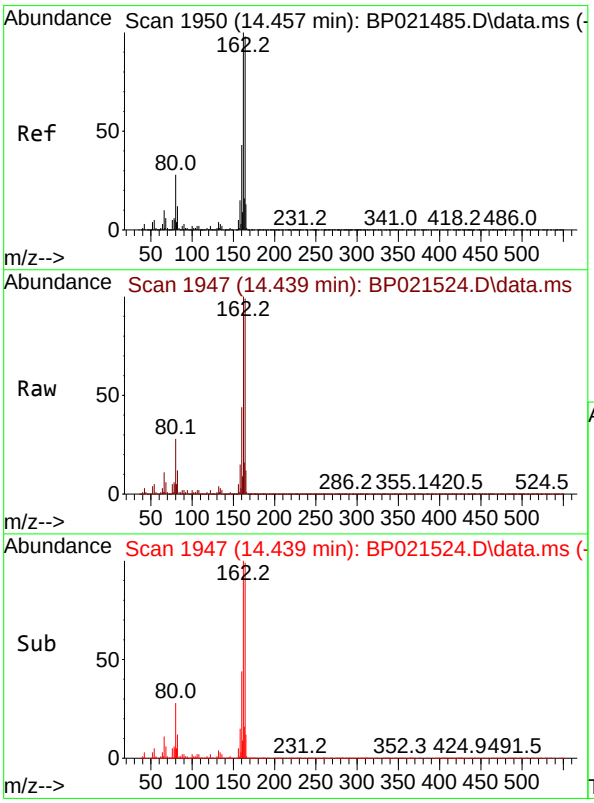
#23
Nitrobenzene-d5
Concen: 62.234 ng
RT: 8.940 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Tgt Ion: 82 Resp: 1634475

Ion	Ratio	Lower	Upper
82	100		
128	33.2	26.5	39.7
54	38.7	30.3	45.5

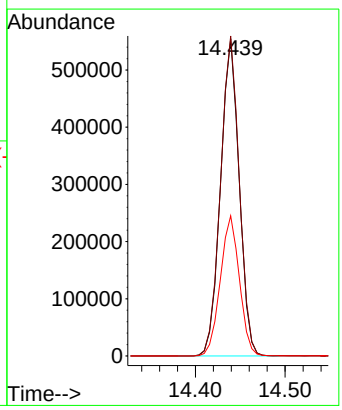


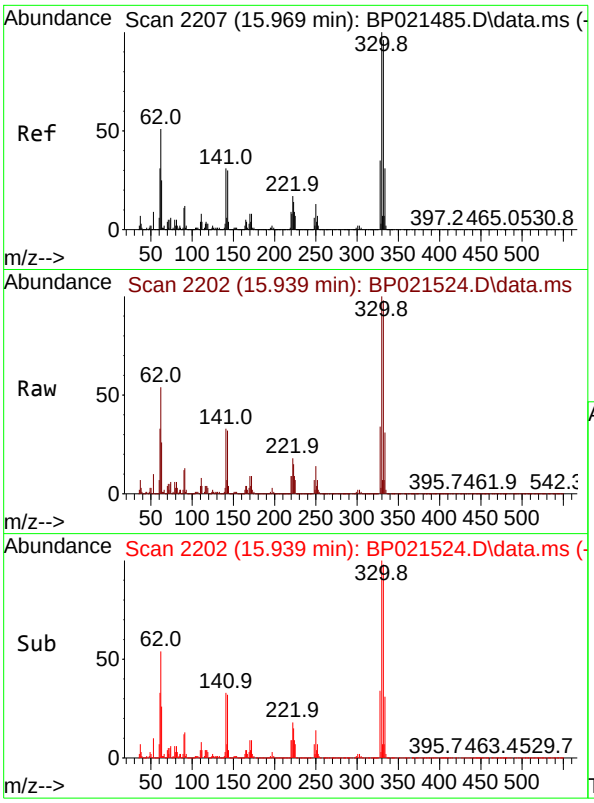


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Tgt Ion:164 Resp: 799134

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.5	122.3
160	44.2	35.2	52.8



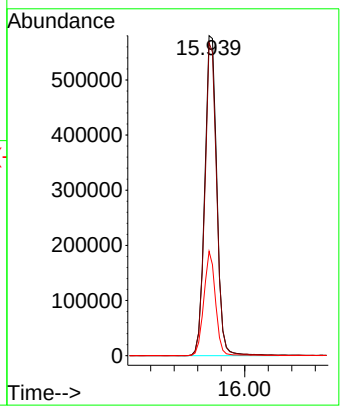


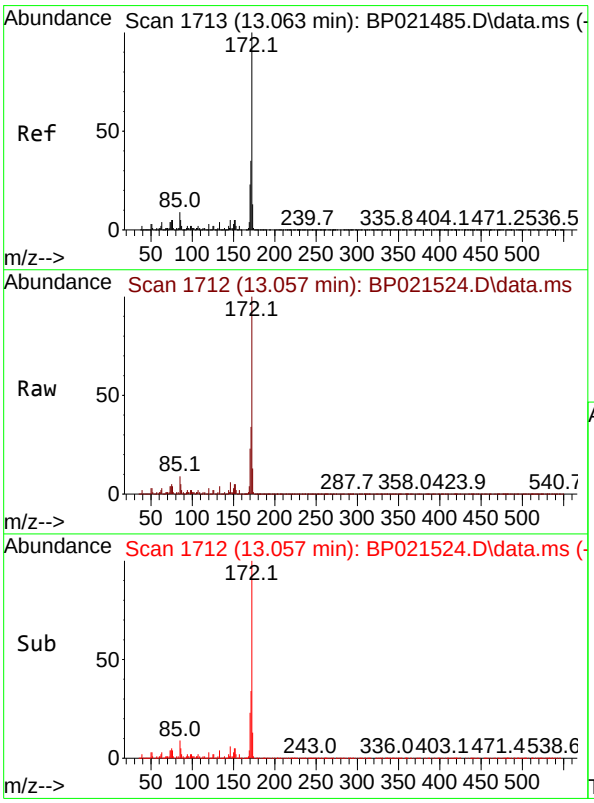
#42
2,4,6-Tribromophenol
Concen: 92.924 ng
RT: 15.939 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Tgt Ion:330 Resp: 826474

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	31.6	24.5	36.7

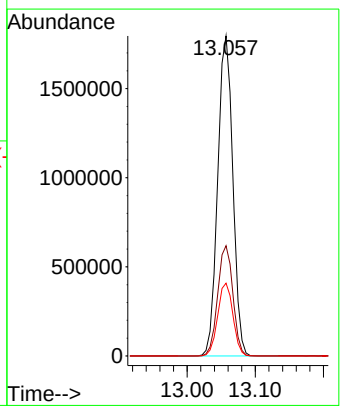


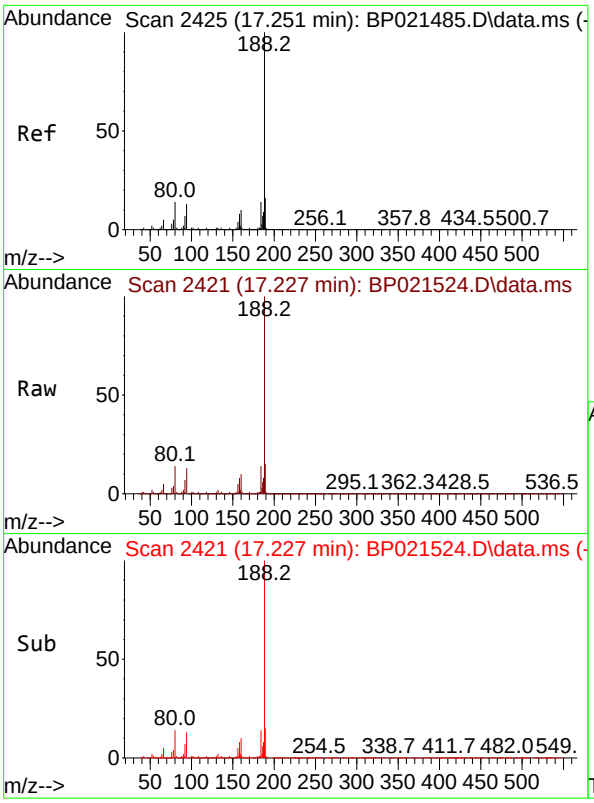


#45
2-Fluorobiphenyl
Concen: 52.842 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Tgt Ion:172 Resp: 2766918

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.4
170	22.8	18.4	27.6



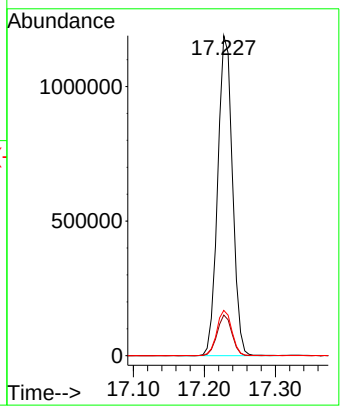


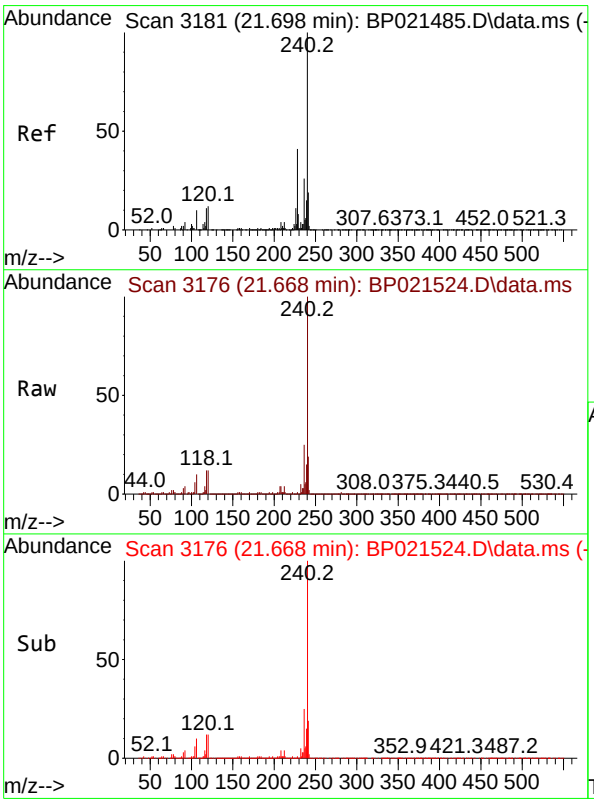
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Tgt Ion:188 Resp: 1708478

Ion	Ratio	Lower	Upper
188	100		
94	12.7	10.2	15.4
80	14.1	11.6	17.4

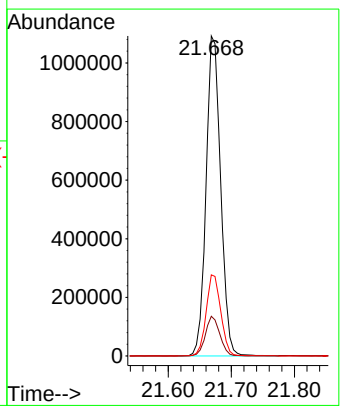


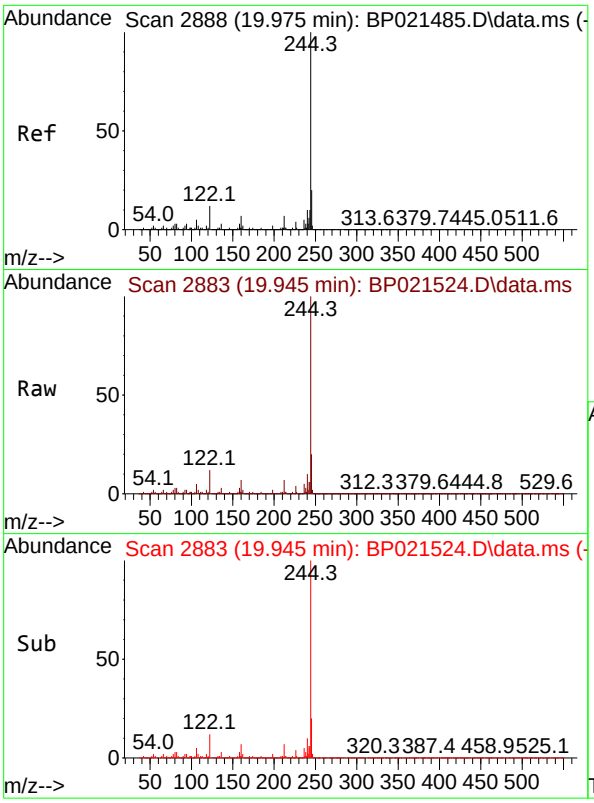


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.668 min Scan# 3176
Delta R.T. -0.030 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Tgt Ion:240 Resp: 1752728

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	25.3	20.6	30.8



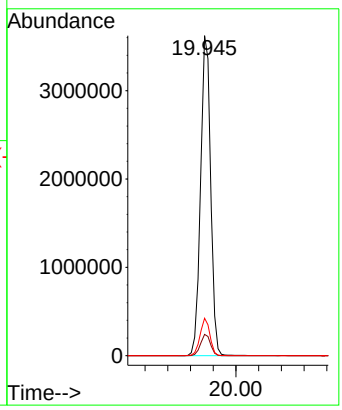


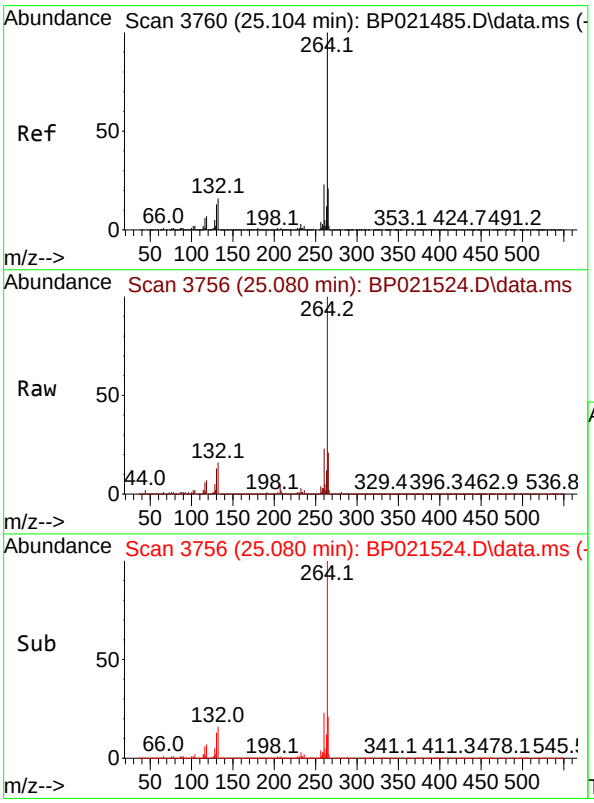
#79
Terphenyl-d14
Concen: 49.277 ng
RT: 19.945 min Scan# 2
Delta R.T. -0.030 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Instrument :
BNA_P
ClientSampleId :
S-856-J-SO-4-4.5-080924

Tgt Ion:244 Resp: 4445756

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.7	9.4	14.2

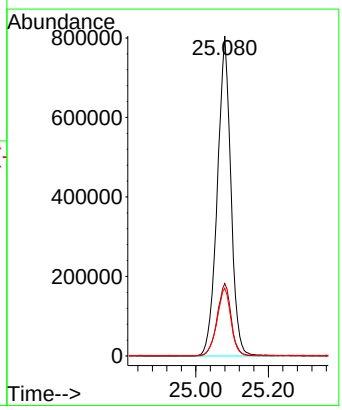




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3756
Delta R.T. -0.024 min
Lab File: BP021524.D
Acq: 15 Aug 2024 22:14

Tgt Ion:264 Resp: 2084362

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	28.0
265	21.2	17.1	25.7



Raw Data: **BP021517.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	EB-01-080924	SDG No.:	P3573
Lab Sample ID:	P3573-12	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021517.D	1	08/13/24 08:33	08/15/24 17:09	PB162687

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.0		30 (52) - 130 (132)	81%	SPK: 100
1718-51-0	Terphenyl-d14	96.6		30 (48) - 130 (125)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	407000	7.799			
1146-65-2	Naphthalene-d8	1610000	10.581			
15067-26-2	Acenaphthene-d10	1030000	14.44			
1517-22-2	Phenanthrene-d10	2150000	17.245			
1719-03-5	Chrysene-d12	2220000	21.692			
1520-96-3	Perylene-d12	2140000	25.08			

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_P\Data\BP081524\
Data File : BP021517.D
Acq On : 15 Aug 2024 17:09
Operator : RC/JU
Sample : P3573-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Quant Time: Aug 15 17:41:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

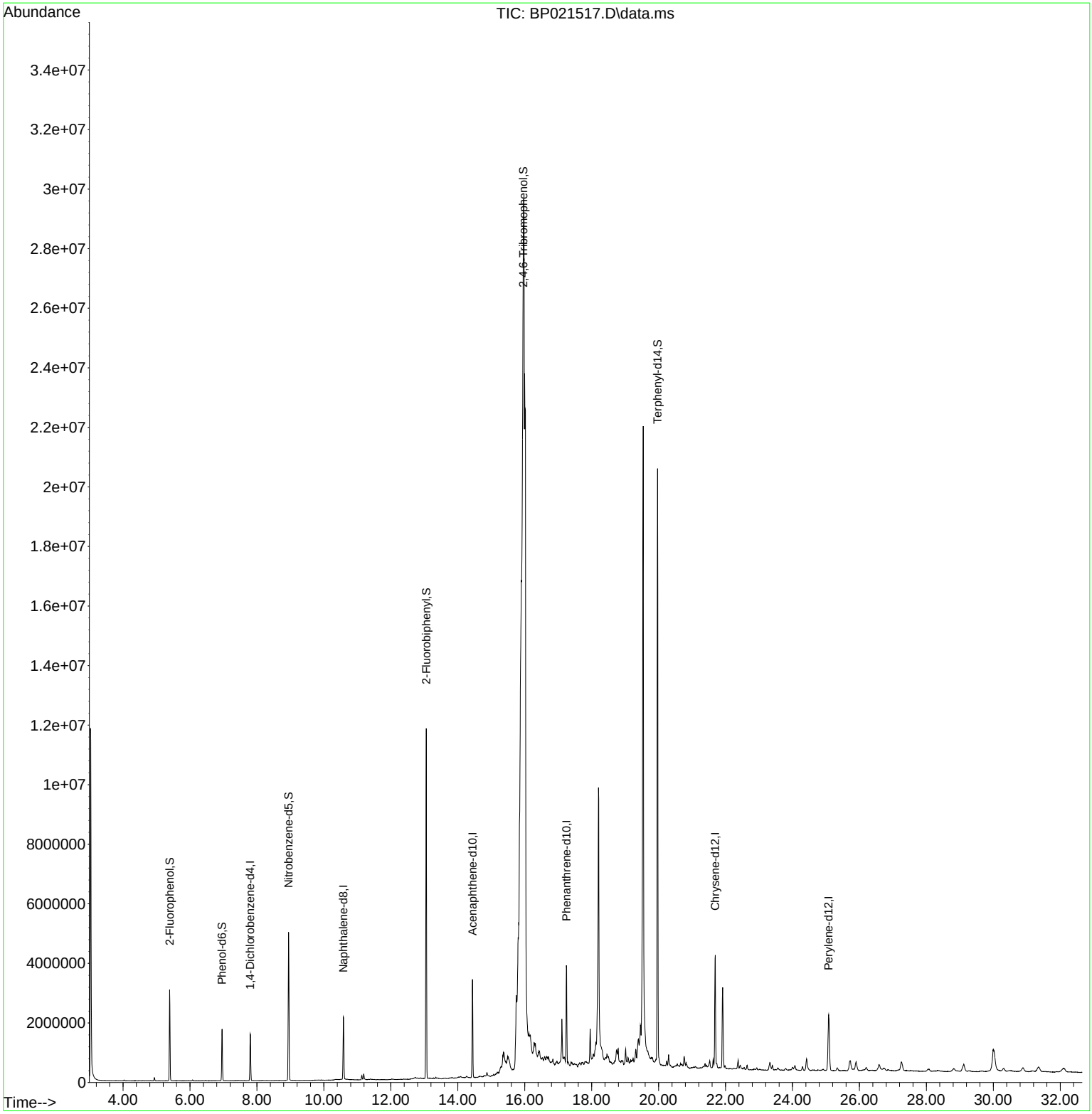
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	407321	20.000	ng	-0.01
21) Naphthalene-d8	10.581	136	1612741	20.000	ng	-0.02
39) Acenaphthene-d10	14.440	164	1030572	20.000	ng	-0.02
64) Phenanthrene-d10	17.245	188	2153279	20.000	ng	0.00
76) Chrysene-d12	21.692	240	2218864	20.000	ng	0.00
86) Perylene-d12	25.080	264	2137805	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1304357	47.549	ng	0.00
7) Phenol-d6	6.958	99	1042319	26.047	ng	0.00
23) Nitrobenzene-d5	8.946	82	3114311	99.672	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1486826	129.629	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	5468377	80.980	ng	0.00
79) Terphenyl-d14	19.969	244	11037124	96.636	ng	0.00
Target Compounds						Qvalue

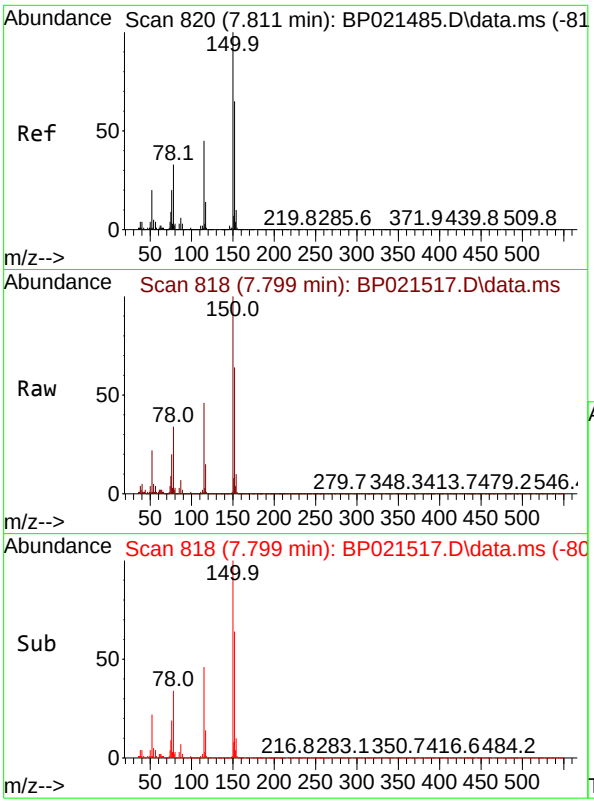
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021517.D
Acq On : 15 Aug 2024 17:09
Operator : RC/JU
Sample : P3573-12
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Quant Time: Aug 15 17:41:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



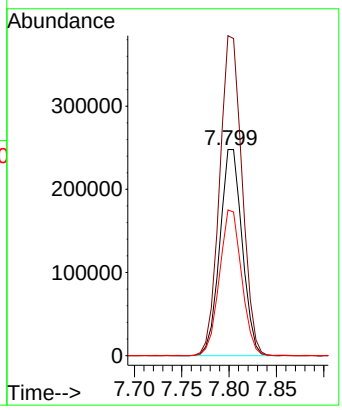


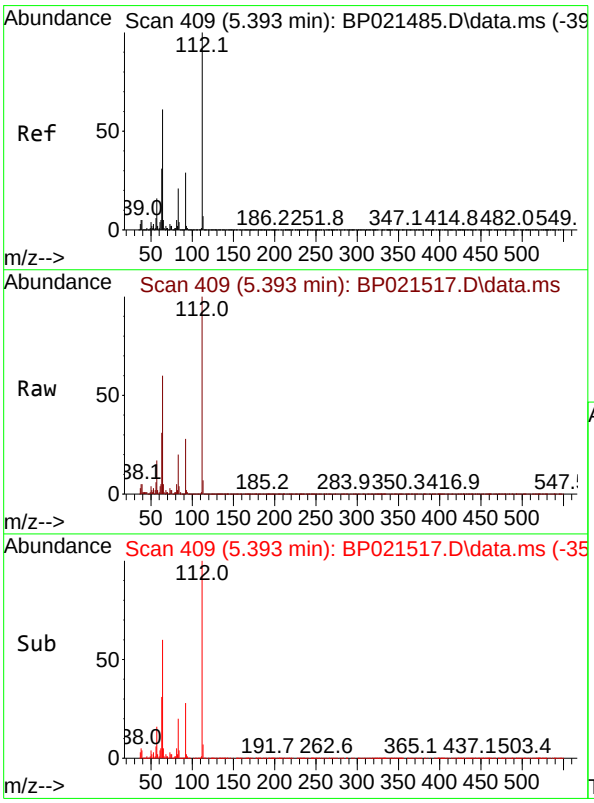
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Tgt Ion:152 Resp: 407321

Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	70.7	54.7	82.1

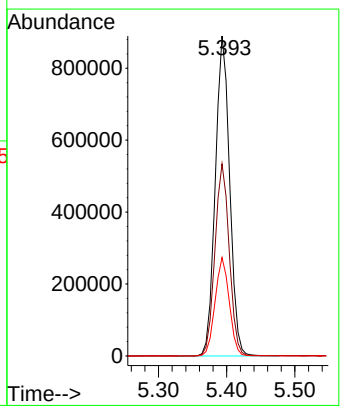


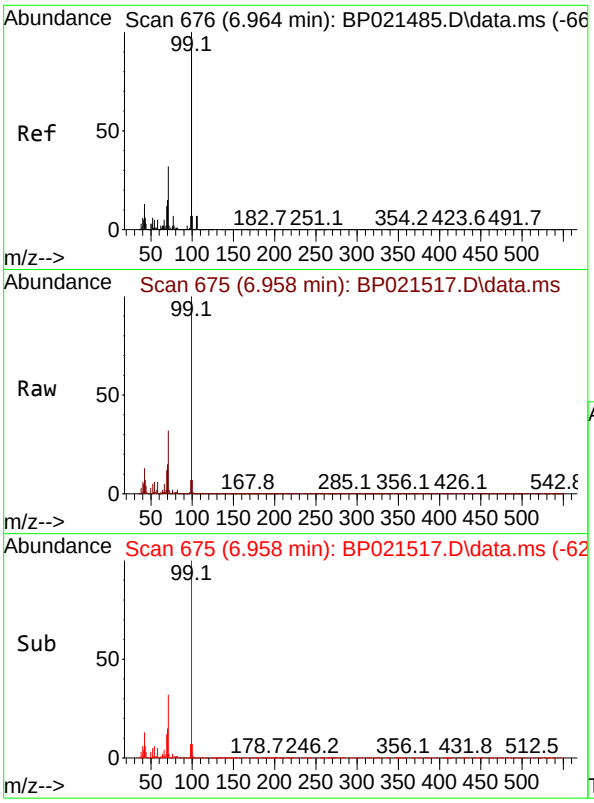


#5
2-Fluorophenol
Concen: 47.549 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Tgt Ion:112 Resp: 1304357

Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.0	73.6
63	30.8	24.6	36.8



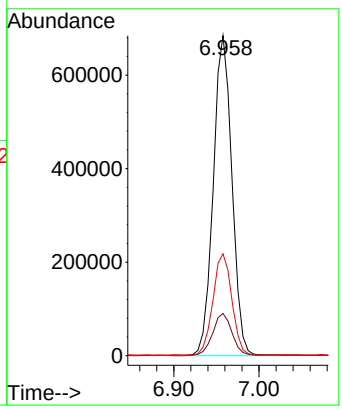


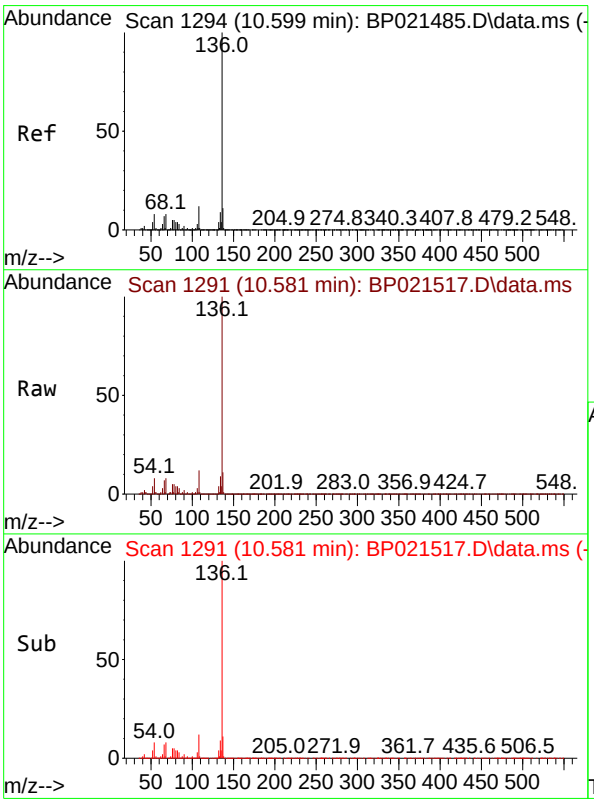
#7
Phenol-d6
Concen: 26.047 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Tgt Ion: 99 Resp: 1042319

Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.2	15.4
71	31.9	25.8	38.8

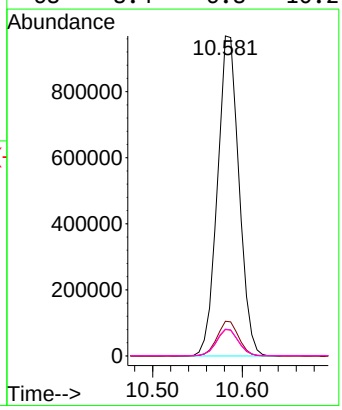


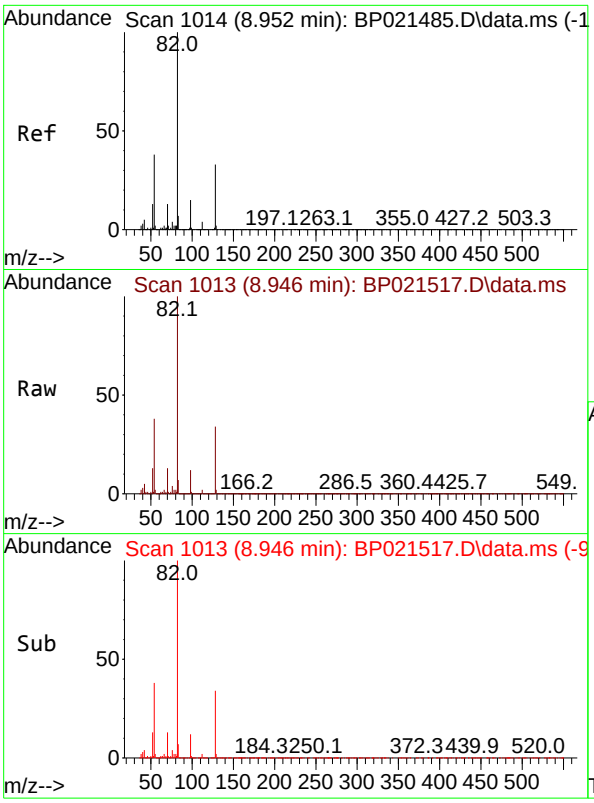


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.018 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Tgt Ion:136 Resp: 1612741

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.3	6.3	9.5
68	8.4	6.8	10.2



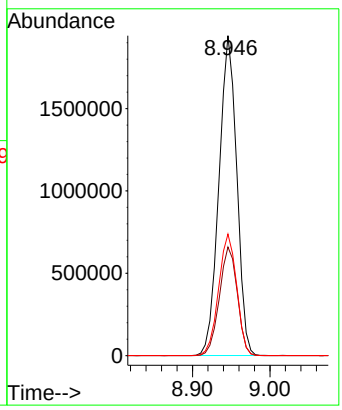


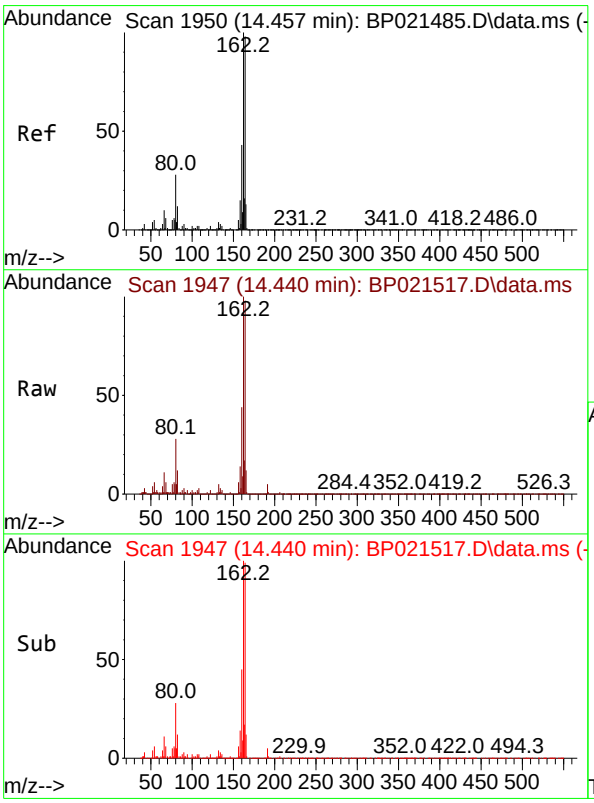
#23
Nitrobenzene-d5
Concen: 99.672 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Tgt Ion: 82 Resp: 3114311

Ion	Ratio	Lower	Upper
82	100		
128	33.9	26.5	39.7
54	38.0	30.3	45.5

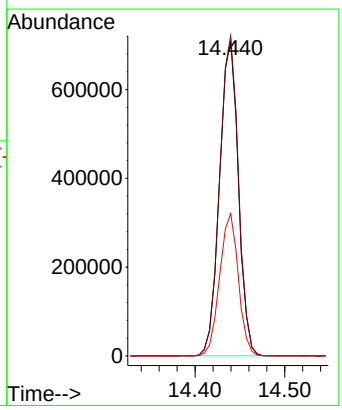


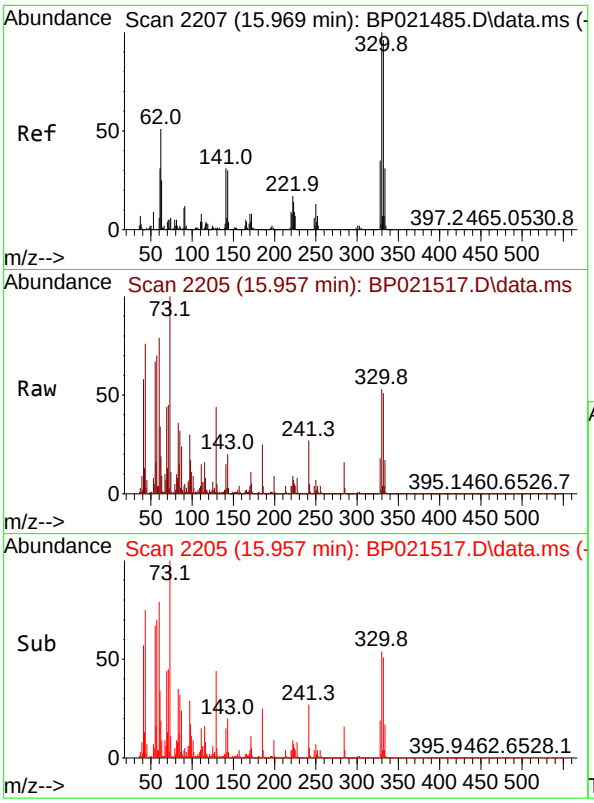


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Tgt Ion:164 Resp: 1030572

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.5	122.3
160	45.2	35.2	52.8



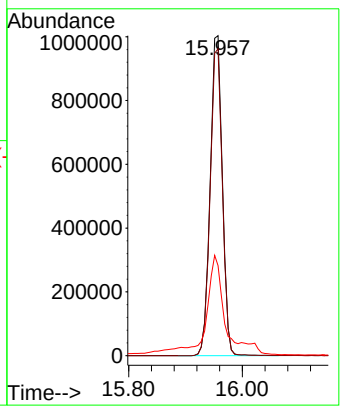


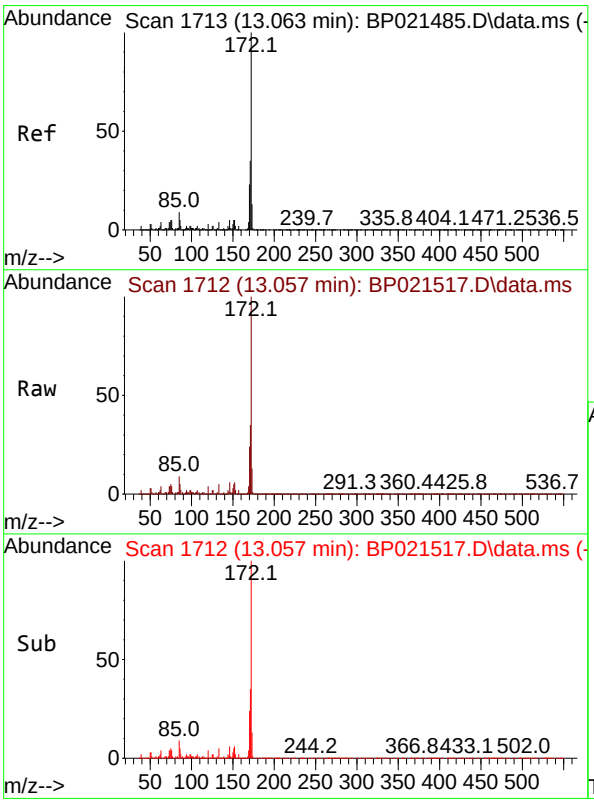
#42
2,4,6-Tribromophenol
Concen: 129.629 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Tgt Ion:330 Resp: 1486826

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	44.0	24.5	36.7#

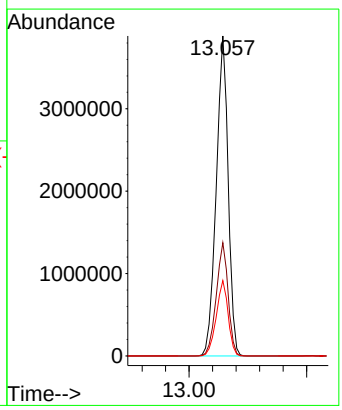


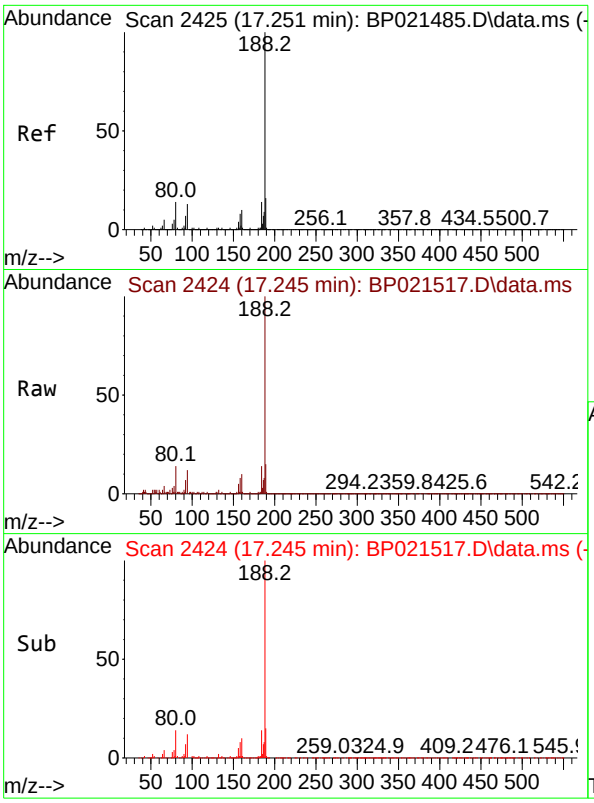


#45
2-Fluorobiphenyl
Concen: 80.980 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Tgt Ion:172 Resp: 5468377

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.6	18.4	27.6



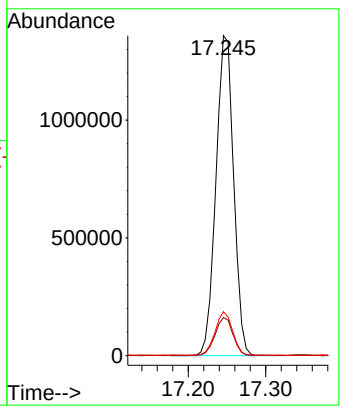


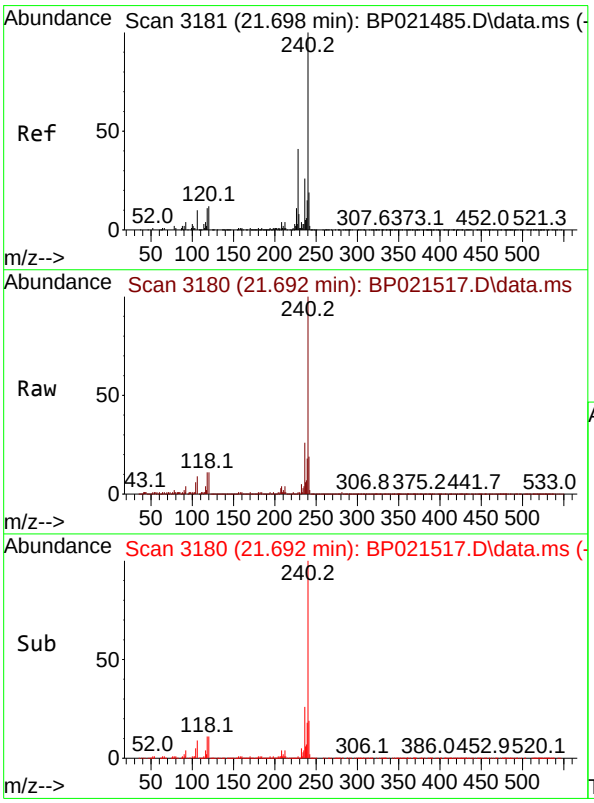
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Tgt Ion:188 Resp: 2153279

Ion	Ratio	Lower	Upper
188	100		
94	12.0	10.2	15.4
80	13.7	11.6	17.4

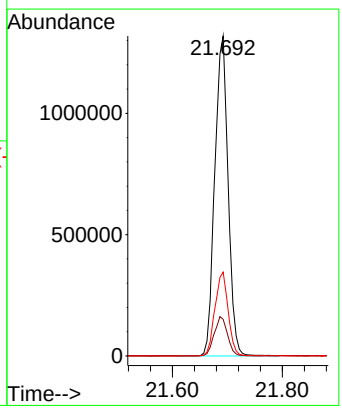


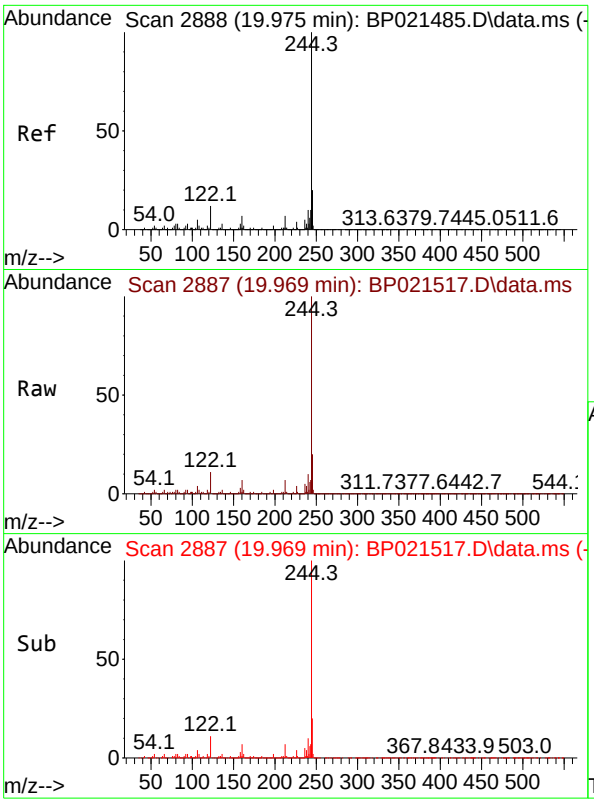


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.692 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Tgt Ion:240 Resp: 2218864

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.9	14.9
236	26.2	20.6	30.8



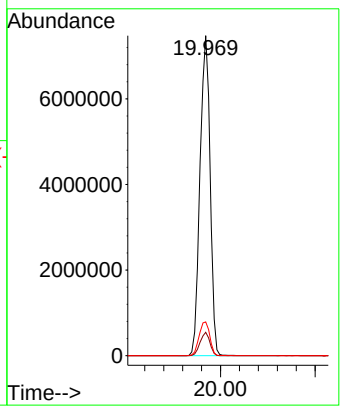


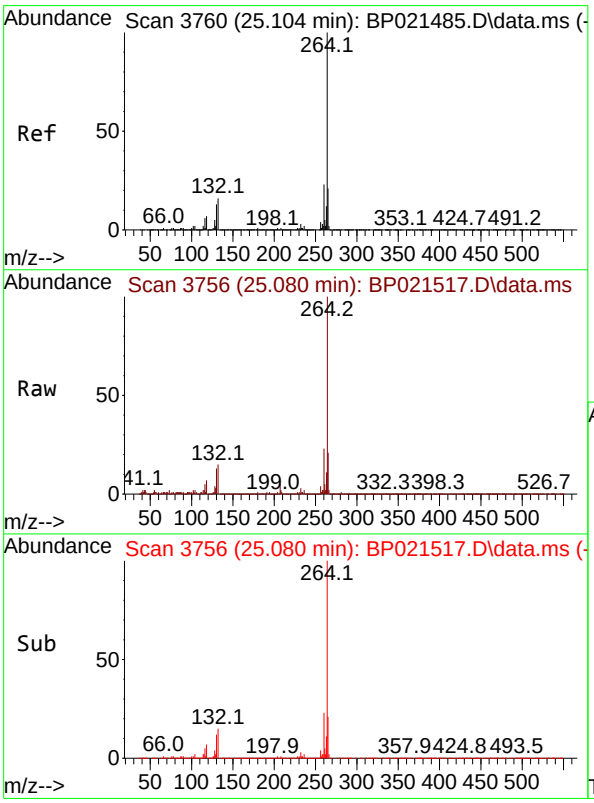
#79
Terphenyl-d14
Concen: 96.636 ng
RT: 19.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Instrument :
BNA_P
ClientSampleId :
EB-01-080924

Tgt Ion:244 Resp:11037124

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.5	9.4	14.2

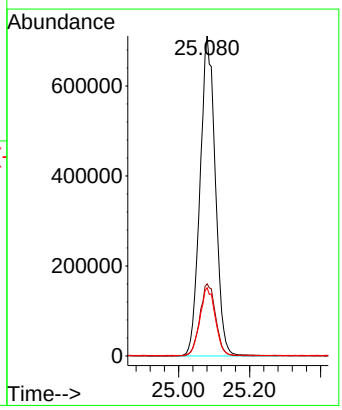




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3756
Delta R.T. -0.023 min
Lab File: BP021517.D
Acq: 15 Aug 2024 17:09

Tgt Ion:264 Resp: 2137805

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.6	28.0
265	21.3	17.1	25.7



CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF138680.D 5 =BF138681.D 10 =BF138682.D 20 =BF138683.D 40 =BF138684.D 50 =BF138685.D 60 =BF138686.D 80 =BF1386
87.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.563	0.544	0.567	3.20
3)		Pyridine		1.373	1.365	1.453	1.381	1.380	1.358	1.308	1.374	3.13
4)		n-Nitrosodimet...		0.813	0.817	0.829	0.814	0.804	0.849	0.803	0.818	1.94
5)	S	2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.256	1.183	1.296	6.00
6)		Aniline		1.656	1.626	1.704	1.532	1.487	1.480	1.375	1.551	7.47
7)	S	Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.684	1.575	1.740	7.19
8)		2-Chlorophenol		1.471	1.418	1.443	1.325	1.308	1.325	1.252	1.363	5.94
9)		Benzaldehyde		1.230	1.119	1.099	0.904	0.862			1.043	14.84
10)	C	Phenol		2.012	1.946	1.913	1.775	1.739	1.771	1.664	1.832	6.89
11)		bis(2-Chloroet...		1.494	1.476	1.434	1.363	1.348	1.416	1.335	1.409	4.46
12)		1,3-Dichlorobe...		1.687	1.609	1.608	1.475	1.445	1.468	1.389	1.526	7.12
13)	C	1,4-Dichlorobe...		1.689	1.615	1.620	1.496	1.482	1.470	1.407	1.540	6.61
14)		1,2-Dichlorobe...		1.621	1.511	1.532	1.408	1.358	1.361	1.284	1.439	8.25
15)		Benzyl Alcohol		1.326	1.287	1.334	1.218	1.213	1.246	1.151	1.254	5.27
16)		2,2'-oxybis(1-...		2.695	2.576	2.592	2.350	2.311	2.317	2.138	2.426	8.17
17)		2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.130	1.045	1.126	4.91
18)		Hexachloroethane		0.619	0.614	0.598	0.568	0.554	0.564	0.540	0.580	5.31
19)	P	n-Nitroso-di-n...	1.109	1.130	1.087	1.123	0.992	0.970	1.025	0.970	1.051	6.56
20)		3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.365	1.277	1.444	10.02
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.538	0.510	0.508	0.482	0.457	0.475	0.458	0.490	6.14
23)	S	Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.405	0.392	0.409	3.33
24)		Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.409	0.401	0.416	3.31
25)		Isophorone		0.735	0.710	0.735	0.681	0.655	0.697	0.677	0.699	4.31
26)	C	2-Nitrophenol		0.169	0.176	0.188	0.184	0.175	0.184	0.179	0.179	3.75
27)		2,4-Dimethylph...		0.219	0.217	0.221	0.214	0.207	0.215	0.207	0.214	2.55
28)		bis(2-Chloroet...		0.448	0.433	0.449	0.418	0.402	0.416	0.410	0.425	4.31
29)	C	2,4-Dichloroph...		0.279	0.276	0.293	0.276	0.264	0.276	0.264	0.275	3.55
30)		1,2,4-Trichlor...		0.344	0.324	0.329	0.316	0.304	0.308	0.299	0.318	4.96
31)		Naphthalene		1.124	1.102	1.110	1.044	1.000	1.014	0.976	1.053	5.63
32)		Benzoic acid			0.136	0.158	0.166	0.166	0.190	0.194	0.168	12.72
33)		4-Chloroaniline		0.354	0.363	0.369	0.346	0.337	0.358	0.348	0.353	3.09
34)	C	Hexachlorobuta...		0.205	0.197	0.200	0.190	0.187	0.187	0.181	0.192	4.39
35)		Caprolactam		0.078	0.084	0.088	0.078	0.076	0.087	0.085	0.082	5.59
36)	C	4-Chloro-3-met...		0.326	0.319	0.343	0.307	0.290	0.314	0.303	0.315	5.37
37)		2-Methylnaphth...		0.723	0.699	0.709	0.649	0.619	0.640	0.615	0.665	6.71
38)		1-Methylnaphth...		0.713	0.685	0.692	0.636	0.606	0.631	0.597	0.652	6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF073024.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.606	0.560	0.581	0.550	0.542	0.534	0.515	0.556	5.48
41)	P	Hexachlorocycl...		0.064	0.101	0.127	0.138	0.146	0.147	0.120	27.08
42)	S	2,4,6-Tribromo...	0.168	0.164	0.176	0.159	0.156	0.166	0.158	0.164	4.19
43)	C	2,4,6-Trichlor...	0.338	0.338	0.353	0.336	0.330	0.341	0.334	0.339	2.10
44)		2,4,5-Trichlor...	0.368	0.379	0.387	0.368	0.361	0.368	0.360	0.370	2.63
45)	S	2-Fluorobiphenyl	1.512	1.424	1.402	1.306	1.260	1.242	1.172	1.331	8.95
46)		1,1'-Biphenyl	1.714	1.635	1.630	1.539	1.507	1.497	1.442	1.566	6.12
47)		2-Chloronaphth...	1.263	1.206	1.213	1.151	1.119	1.114	1.089	1.165	5.46
48)		2-Nitroaniline	0.394	0.403	0.414	0.389	0.380	0.395	0.390	0.395	2.74
49)		Acenaphthylene	1.796	1.744	1.743	1.637	1.573	1.587	1.486	1.652	6.79
50)		Dimethylphthalate	1.336	1.297	1.367	1.229	1.208	1.278	1.237	1.279	4.57
51)		2,6-Dinitrotol...	0.286	0.288	0.304	0.288	0.277	0.300	0.277	0.289	3.57
52)	C	Acenaphthene	1.217	1.173	1.169	1.082	1.049	1.069	1.016	1.111	6.77
53)		3-Nitroaniline	0.308	0.300	0.317	0.288	0.286	0.303	0.286	0.298	4.09
54)	P	2,4-Dinitrophenol		0.097	0.142	0.127	0.131	0.152	0.148	0.133	14.84
55)		Dibenzofuran	1.729	1.680	1.666	1.515	1.484	1.488	1.412	1.568	7.75
56)	P	4-Nitrophenol		0.156	0.186	0.175	0.176	0.197	0.187	0.179	7.86
57)		2,4-Dinitrotol...	0.377	0.376	0.402	0.362	0.342	0.371	0.348	0.368	5.41
58)		Fluorene	1.374	1.326	1.351	1.206	1.166	1.189	1.127	1.249	7.97
59)		2,3,4,6-Tetrac...	0.270	0.279	0.297	0.274	0.280	0.300	0.282	0.283	3.99
60)		Diethylphthalate	1.268	1.259	1.321	1.155	1.113	1.216	1.156	1.213	6.16
61)		4-Chlorophenyl...	0.662	0.664	0.662	0.589	0.580	0.591	0.551	0.614	7.67
62)		4-Nitroaniline	0.284	0.292	0.313	0.272	0.265	0.292	0.267	0.284	6.04
63)		Azobenzene	1.427	1.391	1.450	1.300	1.259	1.329	1.258	1.345	5.85
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.107	0.123	0.125	0.123	0.128	0.127	0.122	6.44
66)	c	n-Nitrosodiphe...	0.642	0.645	0.645	0.631	0.606	0.612	0.594	0.625	3.34
67)		4-Bromophenyl-...	0.227	0.219	0.226	0.217	0.211	0.206	0.209	0.217	3.80
68)		Hexachlorobenzene	0.231	0.231	0.234	0.220	0.214	0.219	0.216	0.224	3.73
69)		Atrazine	0.171	0.172	0.176	0.162	0.153	0.153	0.141	0.161	7.84
70)	C	Pentachlorophenol		0.077	0.097	0.102	0.104	0.113	0.111	0.101	12.93
71)		Phenanthrene	1.112	1.109	1.087	1.021	0.970	0.965	0.944	1.030	7.04
72)		Anthracene	1.082	1.077	1.078	1.003	0.965	0.967	0.930	1.015	6.31
73)		Carbazole	0.970	0.938	0.940	0.870	0.810	0.825	0.774	0.875	8.62
74)		Di-n-butylphth...	0.991	0.990	1.040	0.991	0.944	0.992	0.941	0.984	3.41
75)	C	Fluoranthene	1.068	1.045	1.039	0.965	0.899	0.886	0.827	0.961	9.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.491	0.482	0.484	0.535	0.470	0.408		0.478	8.58
78)		Pyrene	1.978	1.958	2.140	1.750	1.694	1.929	1.733	1.883	8.64
79)	S	Terphenyl-d14	1.264	1.265	1.362	1.106	1.072	1.210	1.083	1.195	9.25
80)		Butylbenzylpht...	0.577	0.571	0.605	0.628	0.622	0.620	0.598	0.603	3.71
81)		Benzo(a)anthra...	1.401	1.438	1.410	1.395	1.351	1.351	1.295	1.377	3.49
82)		3,3'-Dichlorob...	0.388	0.364	0.377	0.360	0.346	0.319	0.314	0.352	8.00
83)		Chrysene	1.342	1.228	1.260	1.222	1.203	1.229	1.213	1.243	3.82
84)		Bis(2-ethylhex...	0.876	0.838	0.861	0.948	0.945	0.847	0.866	0.883	5.12
85)	c	Di-n-octyl pht...	1.637	1.524	1.614	1.744	1.742	1.570	1.605	1.634	5.06

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF073024.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.469	1.464	1.517	1.395	1.406	1.405	1.377	1.433	3.54
88)		Benzo(b)fluora...	1.287	1.361	1.287	1.229	1.181	1.135	1.200	1.240	6.19
89)		Benzo(k)fluora...	1.202	1.043	1.098	1.002	1.060	1.117	0.992	1.073	6.79
90)	C	Benzo(a)pyrene	1.084	1.047	1.071	1.023	1.026	1.035	1.014	1.043	2.50
91)		Dibenzo(a,h)an...	1.226	1.231	1.253	1.134	1.140	1.147	1.106	1.177	4.94
92)		Benzo(g,h,i)pe...	1.261	1.234	1.289	1.199	1.196	1.198	1.169	1.221	3.46

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138680.D
Acq On : 30 Jul 2024 12:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 30 17:41:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	73346	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293951	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	161886	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	284722	20.000	ng	0.00
76) Chrysene-d12	14.004	240	165574	20.000	ng	0.00
86) Perylene-d12	15.468	264	141601	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...	7.245	70	10170	2.640	ng	97

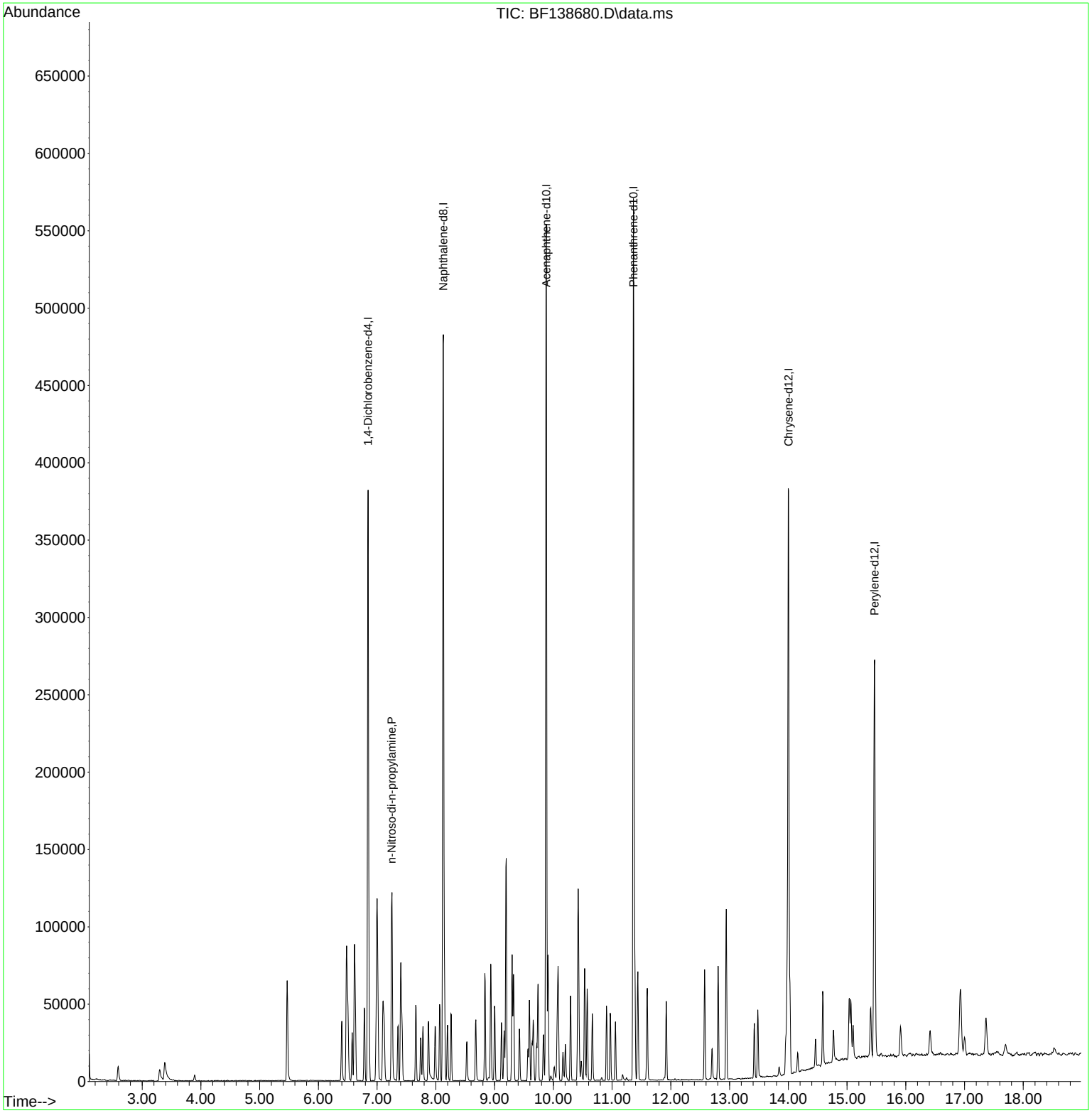
(#) = qualifier out of range (m) = manual integration (+) = signals summed

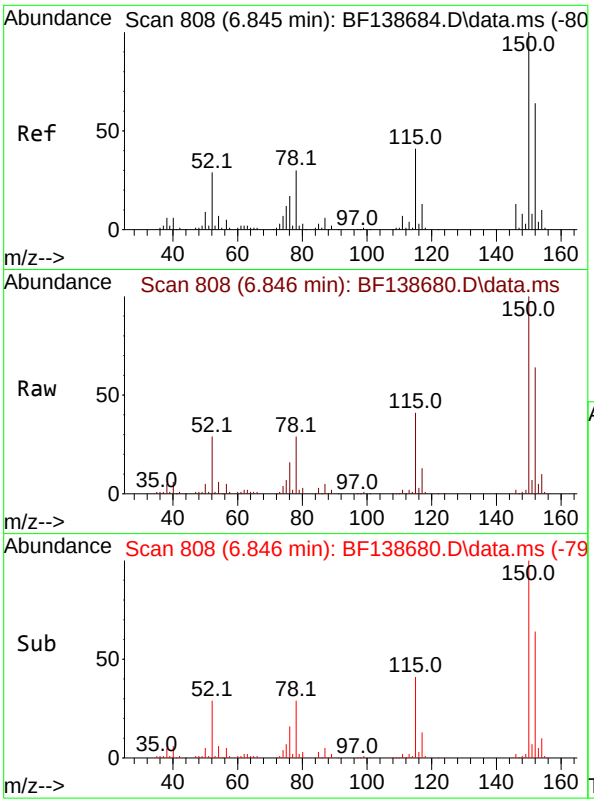
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138680.D
Acq On : 30 Jul 2024 12:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 30 17:41:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



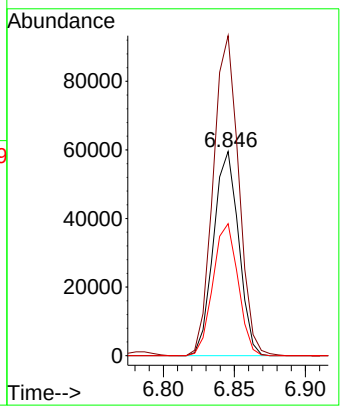


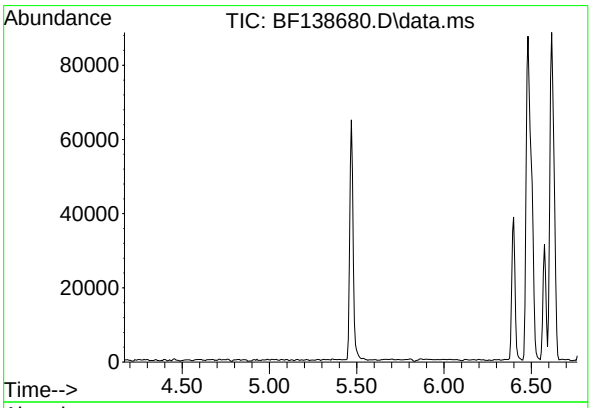
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 73346

Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.0	189.0
115	64.6	51.7	77.5



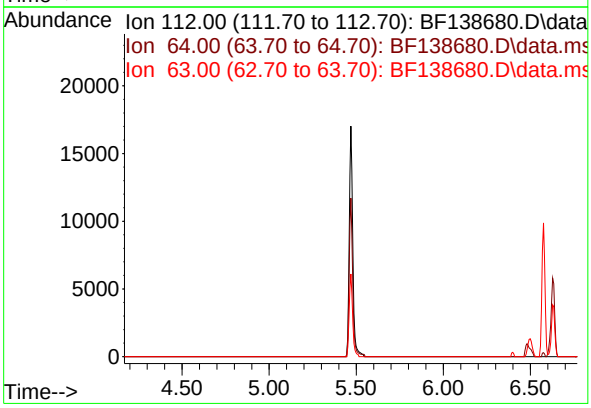


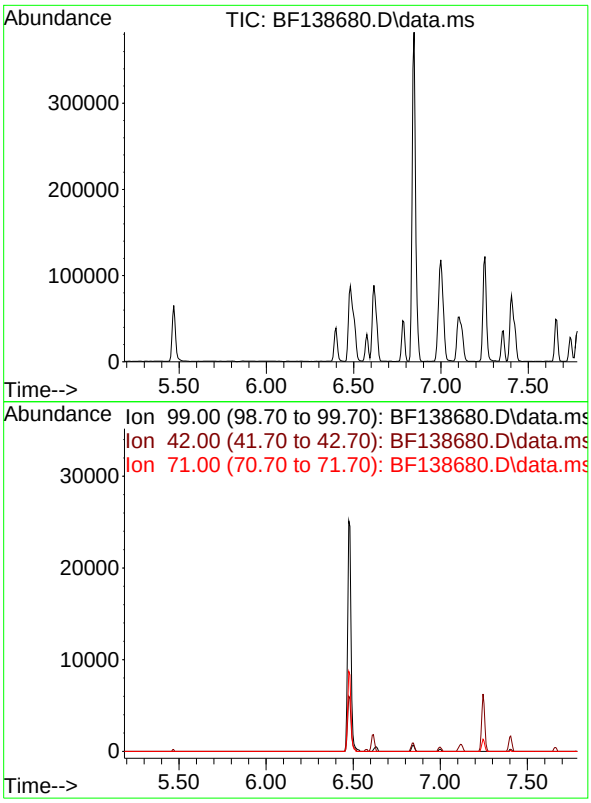
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.47 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.8
63	35.9





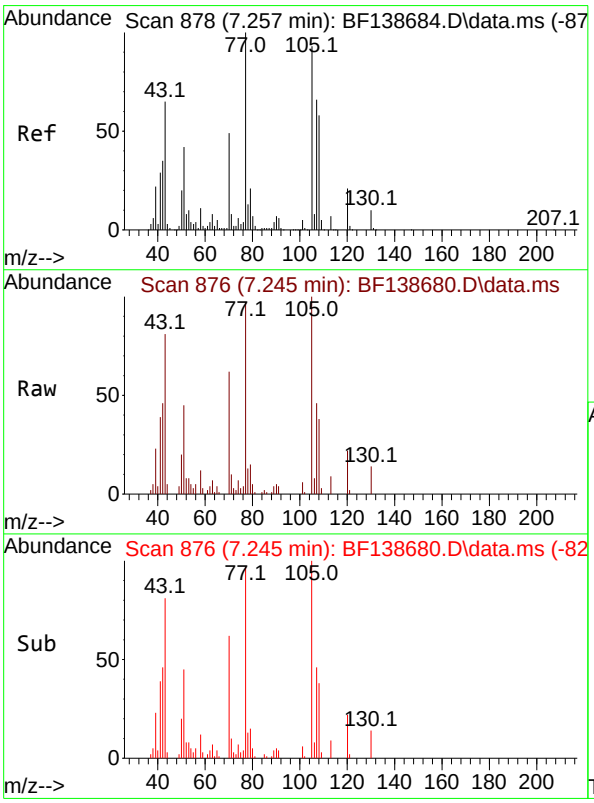
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.49 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

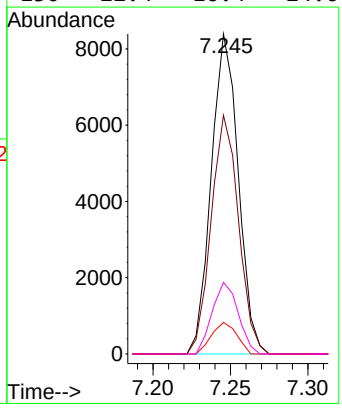
Sig	Exp Ratio
99	100
42	21.7
71	35.1

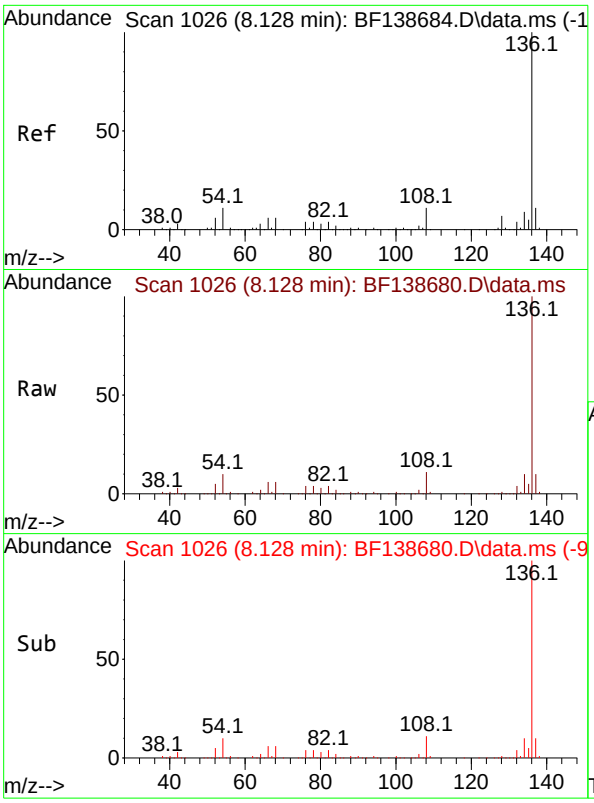


#19
n-Nitroso-di-n-propylamine
Concen: 2.640 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion: 70 Resp: 10170

Ion	Ratio	Lower	Upper
70	100		
42	74.6	57.4	86.0
101	9.8	7.5	11.3
130	22.4	16.4	24.6



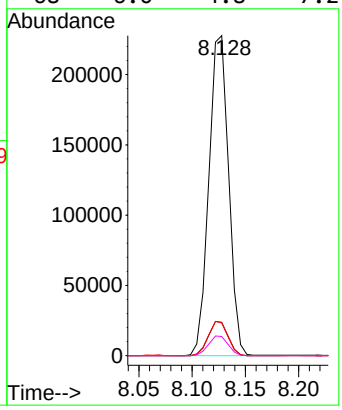


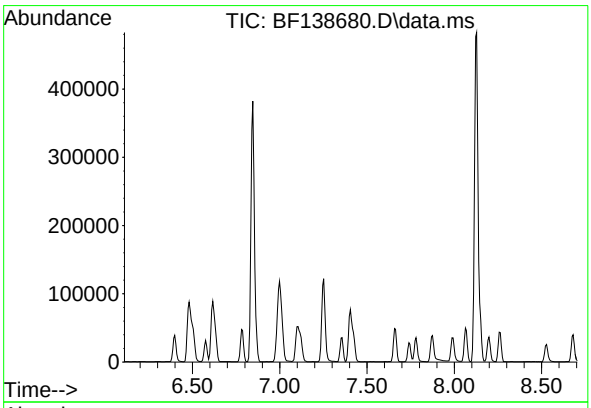
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 293951

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.2	8.6	12.8
68	6.0	4.8	7.2



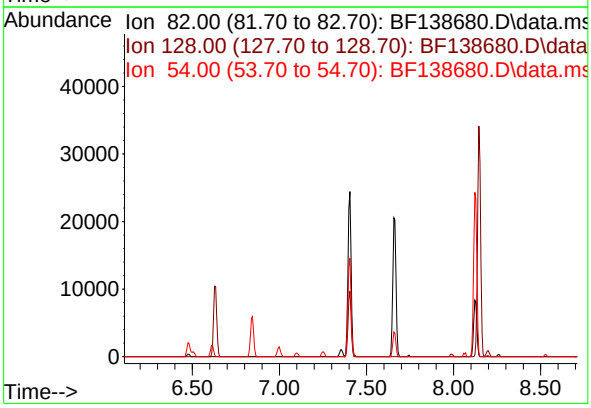


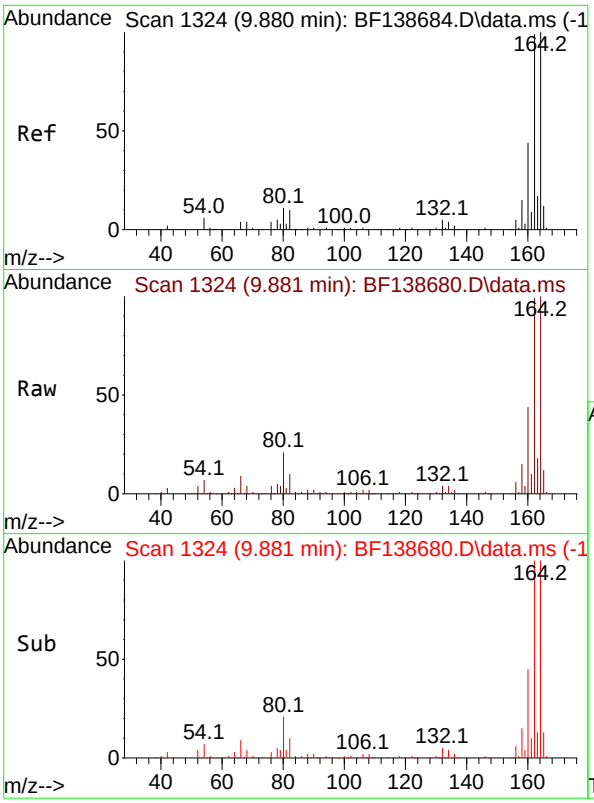
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.41 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.0
54	60.4



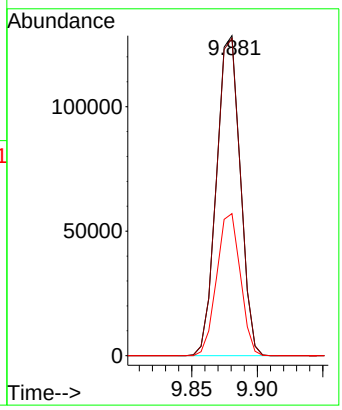


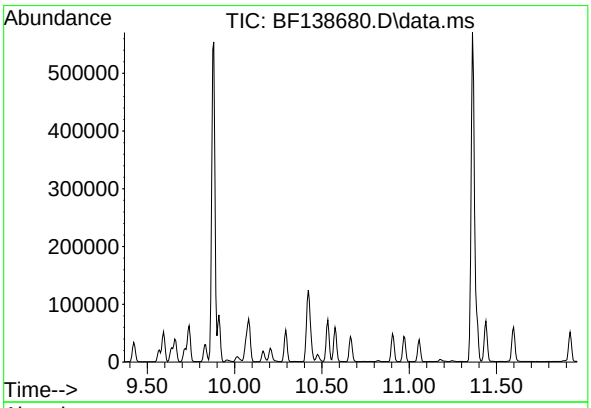
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 161886

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	44.4	35.1	52.7



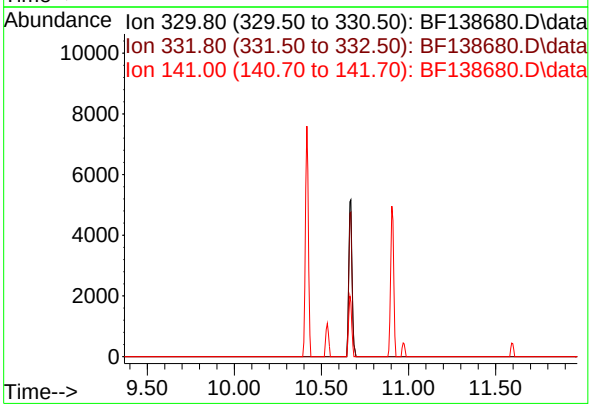


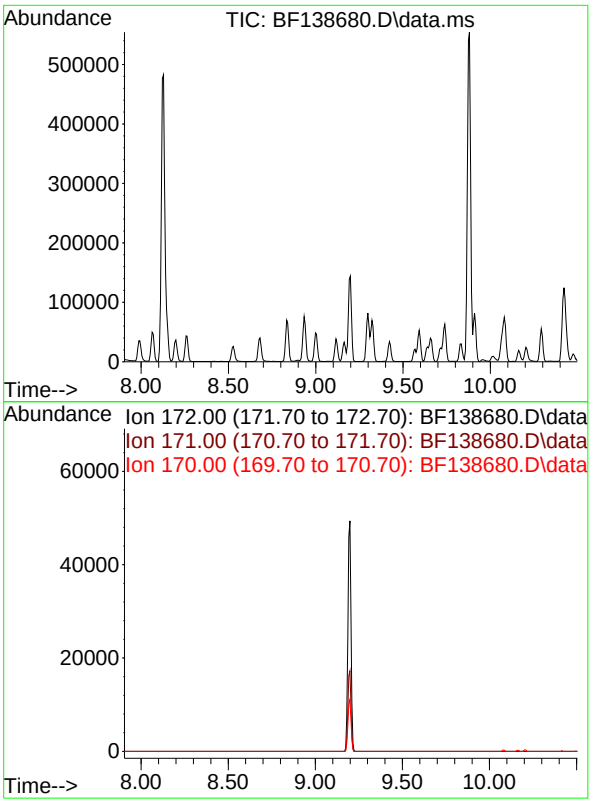
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.67 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.5
141	38.9





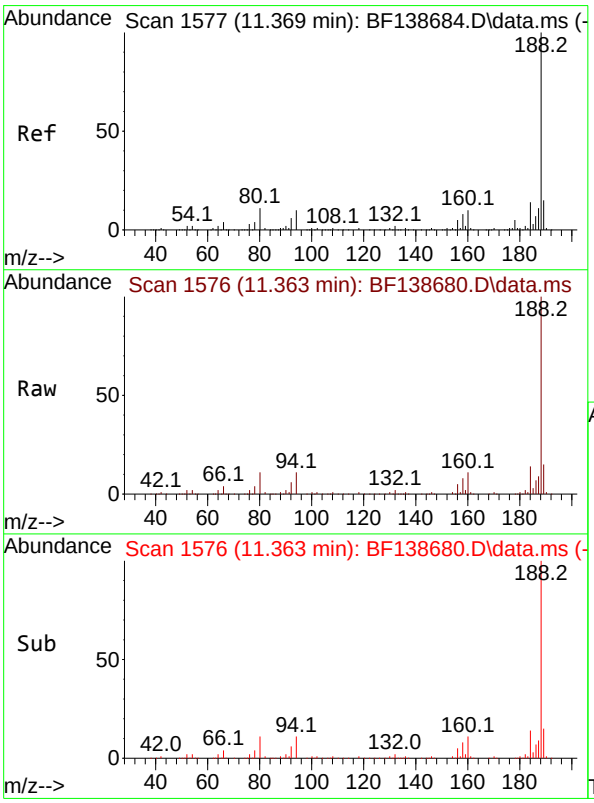
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.20 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

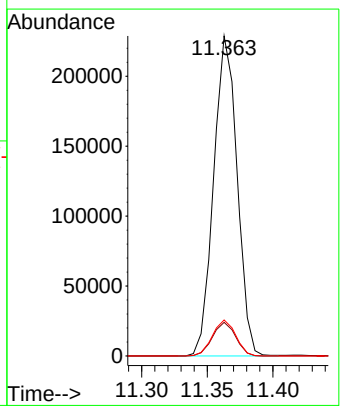
Sig	Exp Ratio
172	100
171	35.4
170	23.5

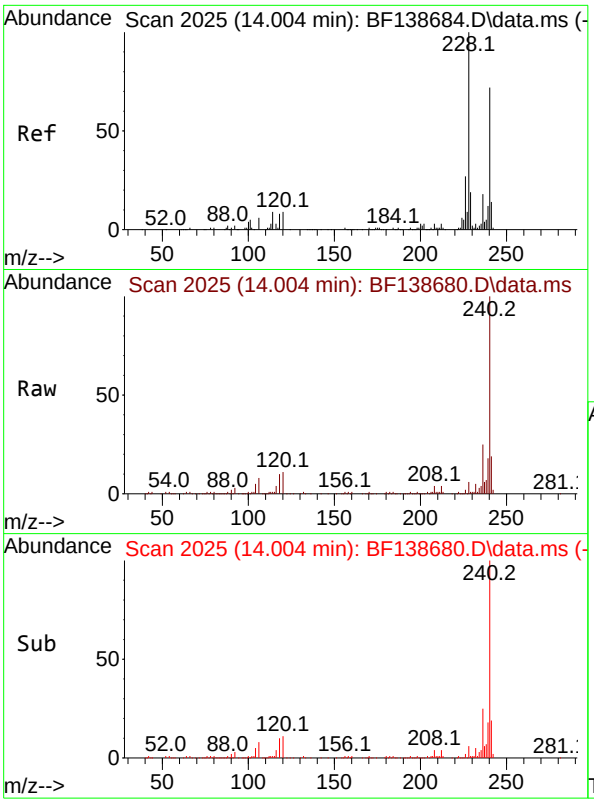


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion:188 Resp: 284722

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.6	11.4
80	11.3	8.6	12.8



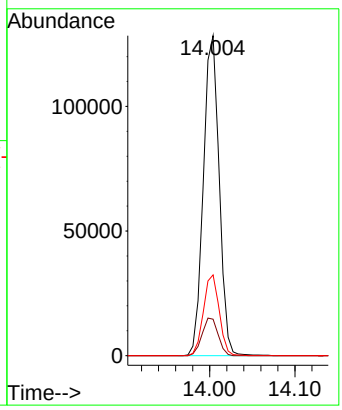


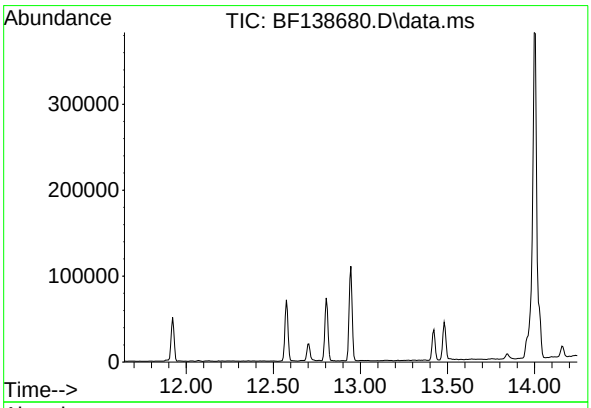
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 165574

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.2	15.4
236	25.3	19.8	29.8



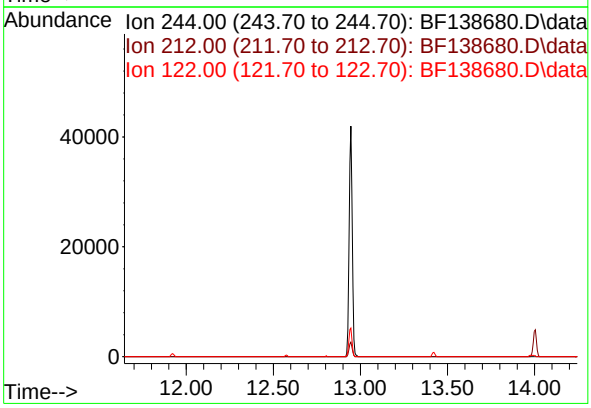


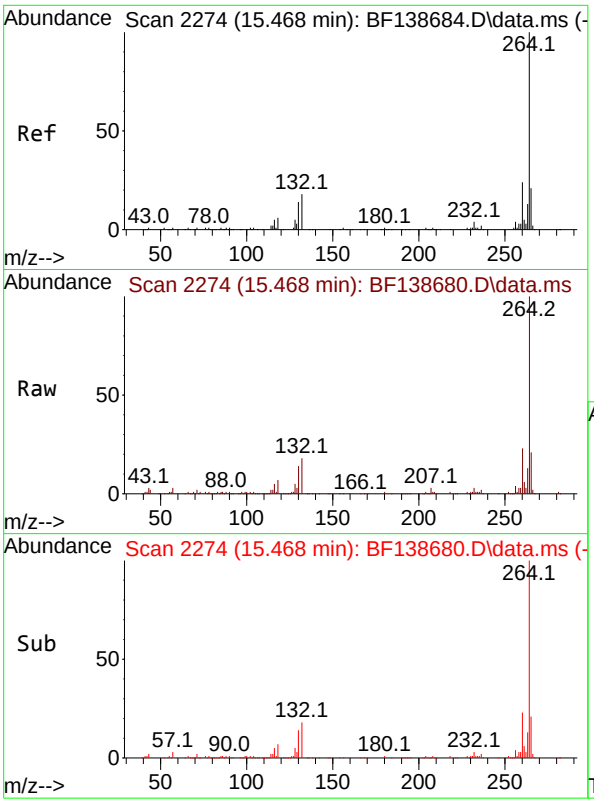
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.95 min

Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.8
122	12.0



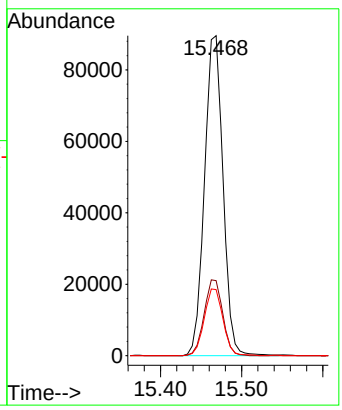


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 141601

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	20.6	17.0	25.6



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138681.D
Acq On : 30 Jul 2024 13:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 30 17:41:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	70137	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	290994	20.000	ng		0.00
39) Acenaphthene-d10	9.881	164	157274	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	264044	20.000	ng		0.00
76) Chrysene-d12	14.004	240	144971	20.000	ng		0.00
86) Perylene-d12	15.463	264	139476	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	49224	10.834	ng		0.00
7) Phenol-d6	6.475	99	67958	11.140	ng		-0.01
23) Nitrobenzene-d5	7.404	82	61942	10.407	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	13218	10.260	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	118878	11.357	ng		0.00
79) Terphenyl-d14	12.945	244	91621	10.581	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	10463	5.260	ng		98
3) Pyridine	3.369	79	24069	4.995	ng		97
4) n-Nitrosodimethylamine	3.287	42	14249	4.965	ng	#	96
6) Aniline	6.504	93	29043	5.339	ng		99
8) 2-Chlorophenol	6.628	128	25801	5.397	ng		94
9) Benzaldehyde	6.398	77	21562	5.896	ng		98
10) Phenol	6.493	94	35277	5.492	ng		98
11) bis(2-Chloroethyl)ether	6.575	93	26204	5.302	ng		98
12) 1,3-Dichlorobenzene	6.787	146	29587	5.529	ng		99
13) 1,4-Dichlorobenzene	6.863	146	29620	5.485	ng		97
14) 1,2-Dichlorobenzene	7.010	146	28415	5.630	ng		99
15) Benzyl Alcohol	6.987	79	23244	5.287	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.116	45	47247	5.555	ng		96
17) 2-Methylphenol	7.098	107	20893	5.293	ng		96
18) Hexachloroethane	7.351	117	10859	5.342	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	19805	5.375	ng		96
20) 3+4-Methylphenols	7.251	107	29122	5.750	ng		97
22) Acetophenone	7.251	105	39162	5.496	ng		97
24) Nitrobenzene	7.422	77	31388	5.183	ng		99
25) Isophorone	7.663	82	53456	5.260	ng		100
26) 2-Nitrophenol	7.739	139	12268	4.708	ng		93
27) 2,4-Dimethylphenol	7.781	122	15906	5.102	ng		99
28) bis(2-Chloroethoxy)met...	7.869	93	32570	5.263	ng		99
29) 2,4-Dichlorophenol	7.987	162	20263	5.058	ng		98
30) 1,2,4-Trichlorobenzene	8.063	180	25030	5.414	ng		99
31) Naphthalene	8.145	128	81757	5.338	ng		100
33) 4-Chloroaniline	8.198	127	25753	5.009	ng		98
34) Hexachlorobutadiene	8.263	225	14945	5.337	ng		99
35) Caprolactam	8.528	113	5694	4.763	ng		98
36) 4-Chloro-3-methylphenol	8.681	107	23684	5.173	ng		94
37) 2-Methylnaphthalene	8.834	142	52614	5.439	ng		99
38) 1-Methylnaphthalene	8.934	142	51855	5.470	ng		99
40) 1,2,4,5-Tetrachloroben...	8.998	216	23837	5.456	ng		96
43) 2,4,6-Trichlorophenol	9.116	196	13303	4.994	ng		98
44) 2,4,5-Trichlorophenol	9.163	196	14479	4.972	ng		99
46) 1,1'-Biphenyl	9.298	154	67394	5.471	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138681.D
Acq On : 30 Jul 2024 13:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 30 17:41:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.322	162	49660	5.421	ng		100
48) 2-Nitroaniline	9.422	65	15473	4.982	ng		95
49) Acenaphthylene	9.739	152	70622	5.435	ng		99
50) Dimethylphthalate	9.592	163	52521	5.223	ng		99
51) 2,6-Dinitrotoluene	9.663	165	11264	4.963	ng		95
52) Acenaphthene	9.910	154	47866	5.480	ng		98
53) 3-Nitroaniline	9.833	138	12123	5.167	ng		99
55) Dibenzofuran	10.081	168	67994	5.515	ng		99
57) 2,4-Dinitrotoluene	10.069	165	14816	5.117	ng	#	98
58) Fluorene	10.428	166	54036	5.504	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.204	232	10608	4.765	ng	#	96
60) Diethylphthalate	10.292	149	49851	5.228	ng		98
61) 4-Chlorophenyl-phenyle...	10.416	204	26020	5.389	ng		99
62) 4-Nitroaniline	10.439	138	11156	5.004	ng		97
63) Azobenzene	10.575	77	56096	5.304	ng		99
66) n-Nitrosodiphenylamine	10.533	169	42403	5.138	ng		97
67) 4-Bromophenyl-phenylether	10.910	248	14996	5.246	ng		95
68) Hexachlorobenzene	10.975	284	15270	5.173	ng		98
69) Atrazine	11.057	200	11256	5.286	ng		99
71) Phenanthrene	11.386	178	73432	5.401	ng		99
72) Anthracene	11.439	178	71415	5.332	ng		98
73) Carbazole	11.598	167	64031	5.541	ng		98
74) Di-n-butylphthalate	11.922	149	65388	5.034	ng		100
75) Fluoranthene	12.574	202	70499	5.554	ng		98
77) Benzidine	12.704	184	17784	5.129	ng		99
78) Pyrene	12.804	202	71695	5.253	ng		100
80) Butylbenzylphthalate	13.421	149	20901	4.782	ng		97
81) Benzo(a)anthracene	13.992	228	50774	5.086	ng		99
82) 3,3'-Dichlorobenzidine	13.957	252	14073	5.509	ng		98
83) Chrysene	14.027	228	48647	5.401	ng		98
84) Bis(2-ethylhexyl)phtha...	13.980	149	31754	4.961	ng		99
85) Di-n-octyl phthalate	14.592	149	59336	5.011	ng		99
87) Indeno(1,2,3-cd)pyrene	16.921	276	51232	5.126	ng		100
88) Benzo(b)fluoranthene	15.039	252	44859	5.188	ng		99
89) Benzo(k)fluoranthene	15.063	252	41920	5.600	ng		99
90) Benzo(a)pyrene	15.404	252	37810	5.199	ng		99
91) Dibenzo(a,h)anthracene	16.933	278	42736	5.209	ng		98
92) Benzo(g,h,i)perylene	17.362	276	43978	5.165	ng		99

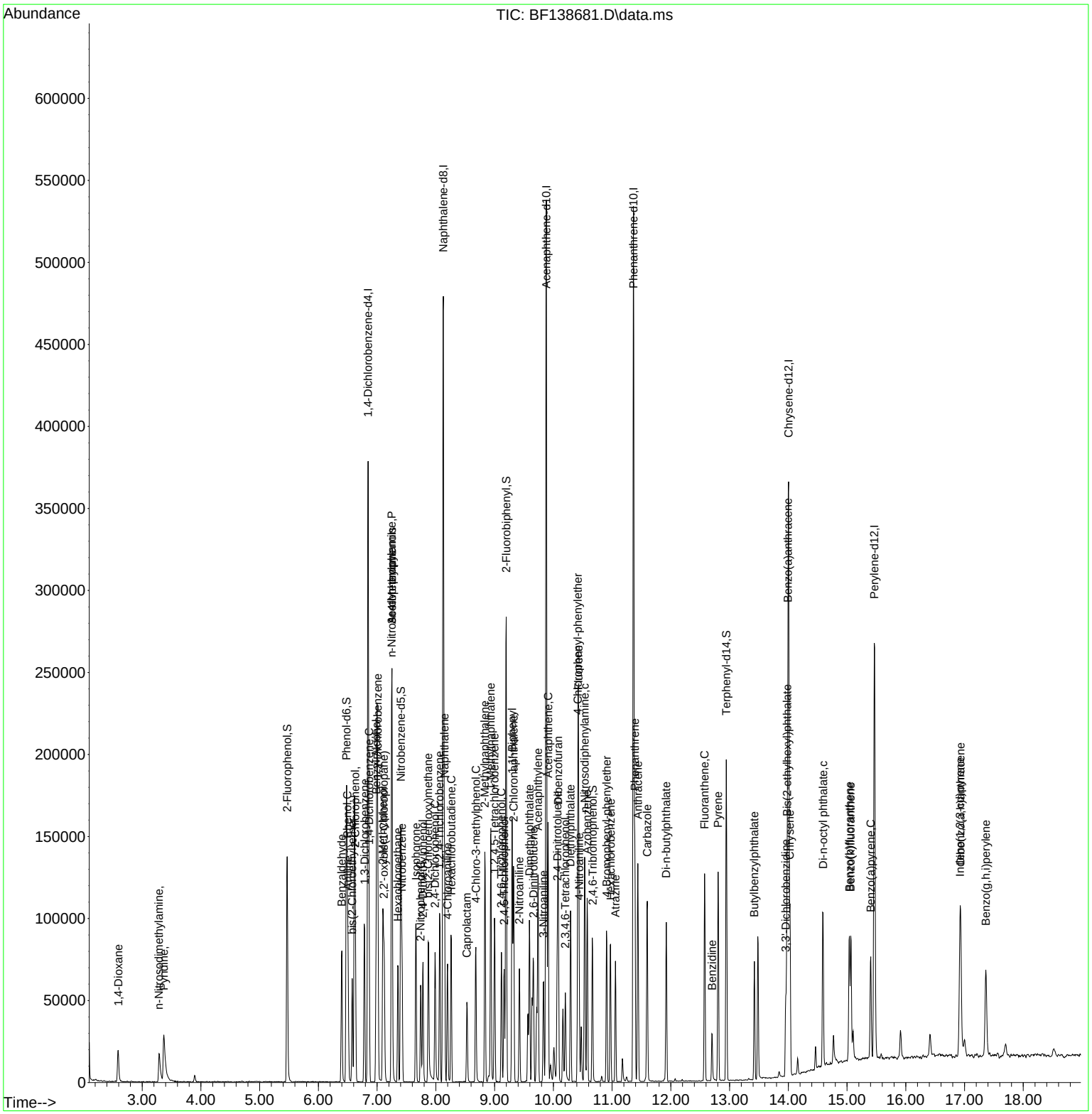
(#) = qualifier out of range (m) = manual integration (+) = signals summed

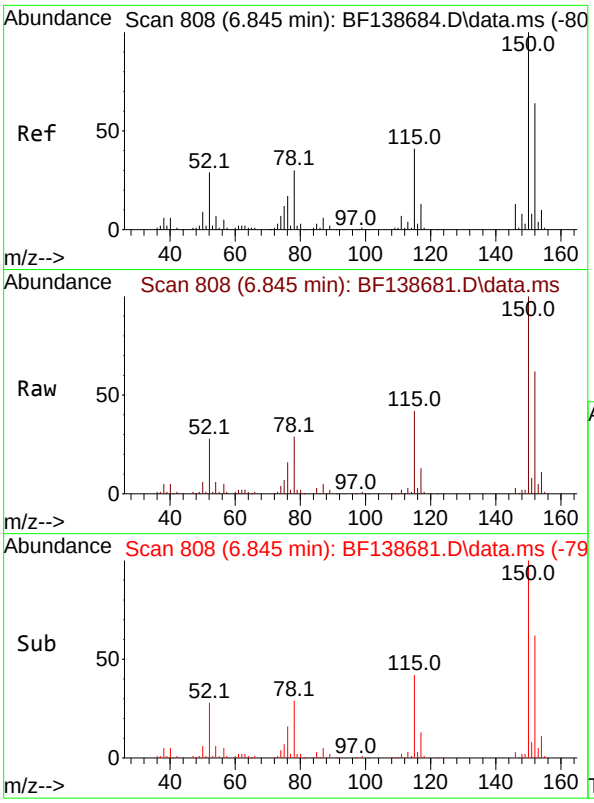
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138681.D
Acq On : 30 Jul 2024 13:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 30 17:41:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



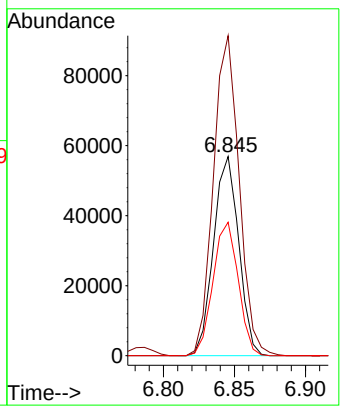


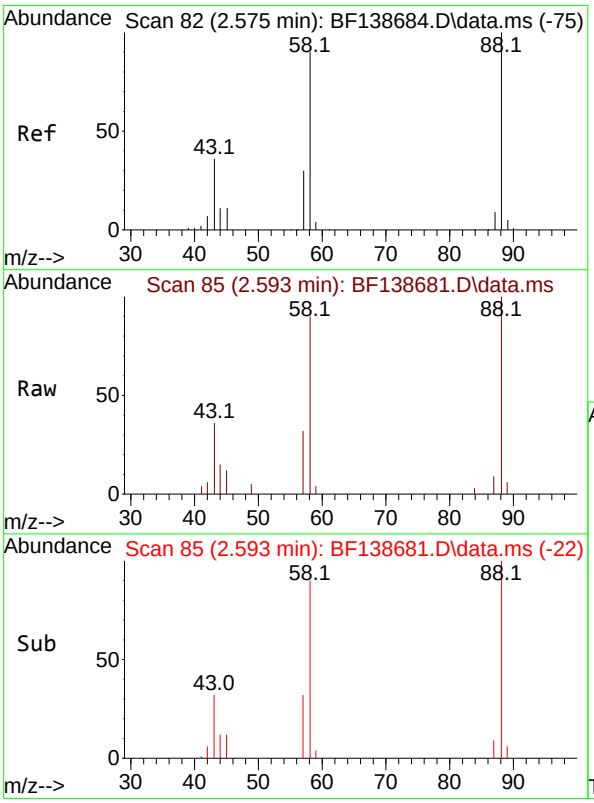
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 70137

Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.0	189.0
115	67.0	51.7	77.5

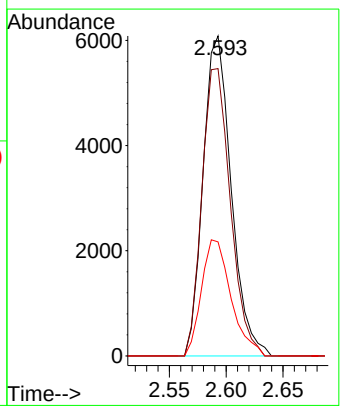


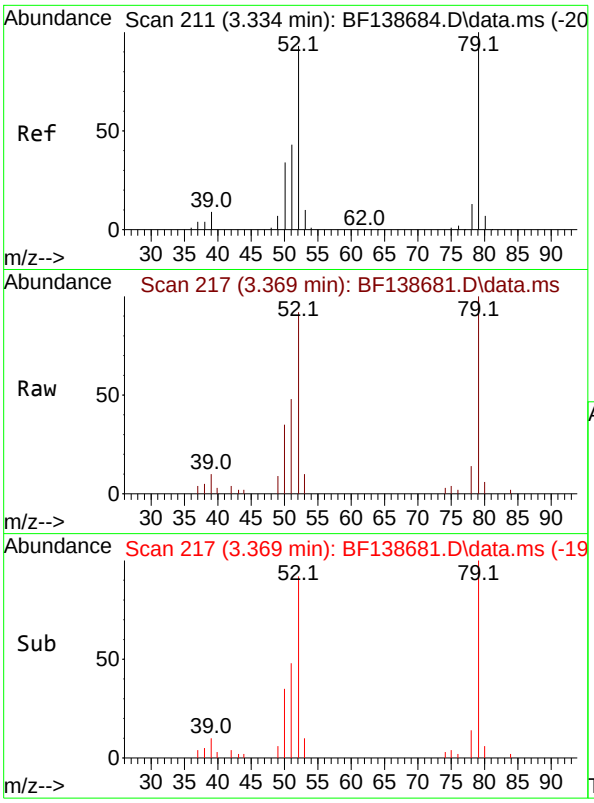


#2
1,4-Dioxane
Concen: 5.260 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 88 Resp: 10463

Ion	Ratio	Lower	Upper
88	100		
58	90.9	71.6	107.4
43	38.2	28.7	43.1



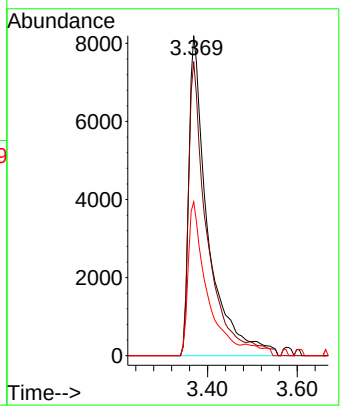


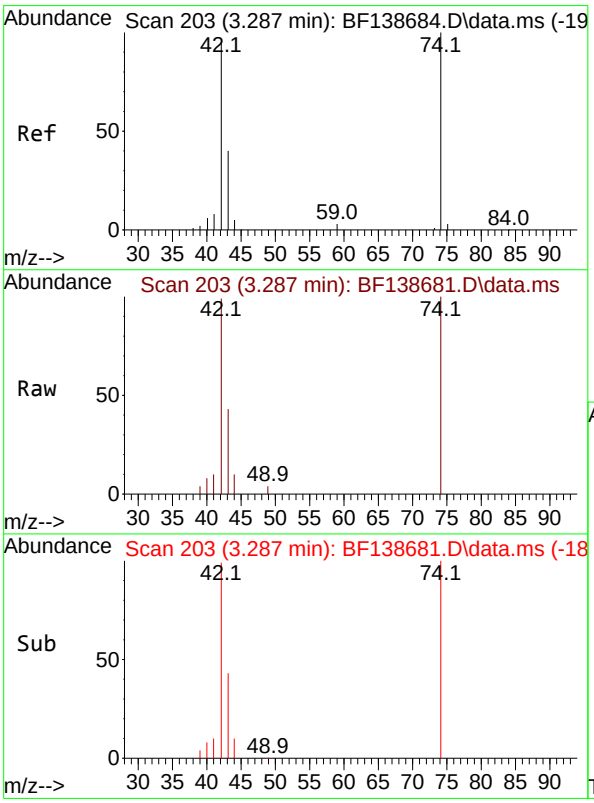
#3
Pyridine
Concen: 4.995 ng
RT: 3.369 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 24069

Ion	Ratio	Lower	Upper
79	100		
52	91.9	74.7	112.1
51	48.1	34.6	51.8

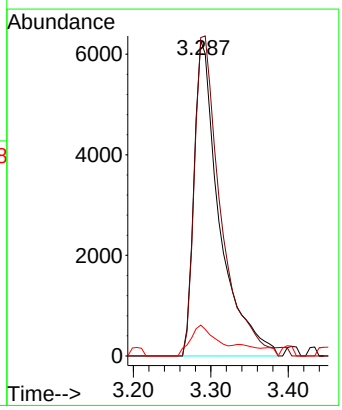


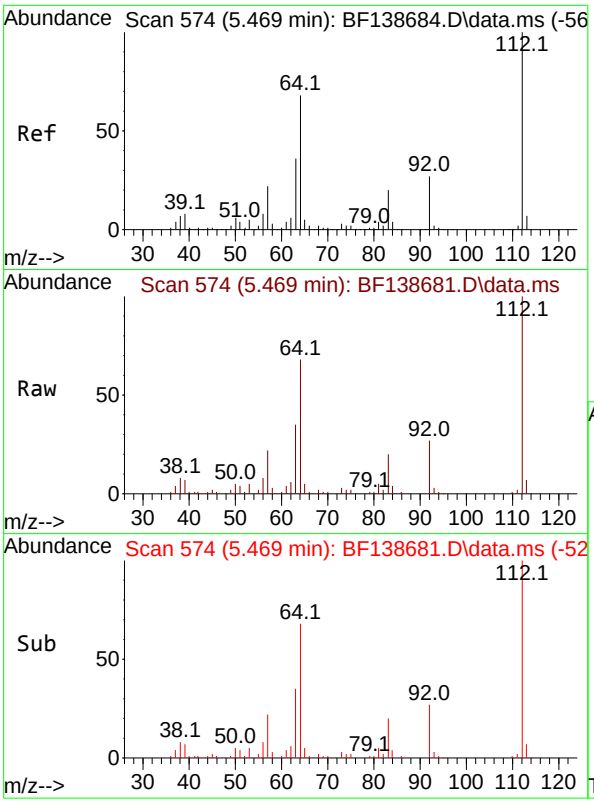


#4
n-Nitrosodimethylamine
Concen: 4.965 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 42 Resp: 14249

Ion	Ratio	Lower	Upper
42	100		
74	101.1	84.2	126.4
44	9.8	4.9	7.3#



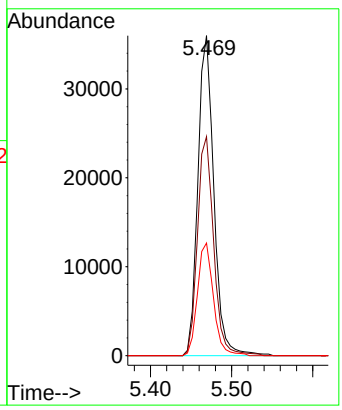


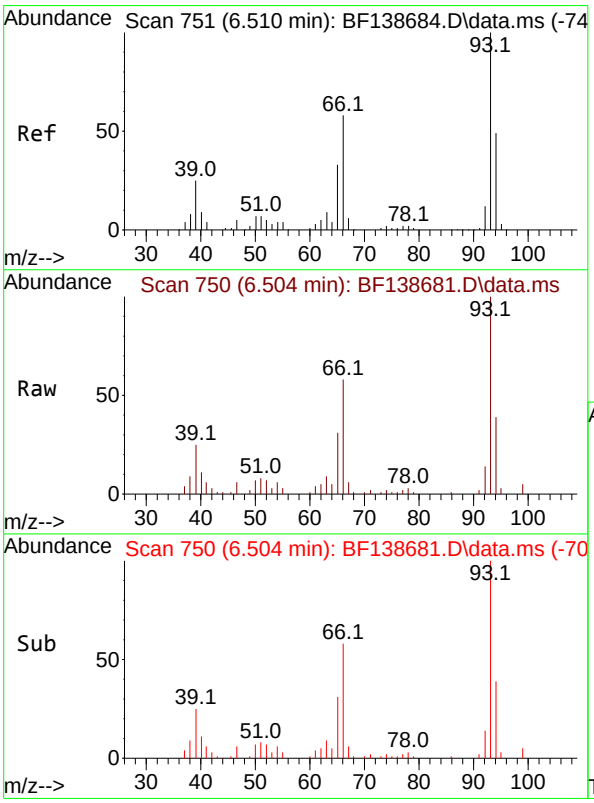
#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 49224

Ion	Ratio	Lower	Upper
112	100		
64	68.5	54.2	81.4
63	35.2	28.7	43.1

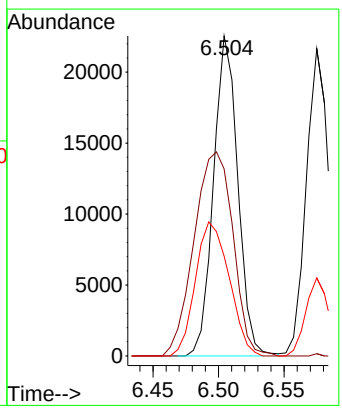


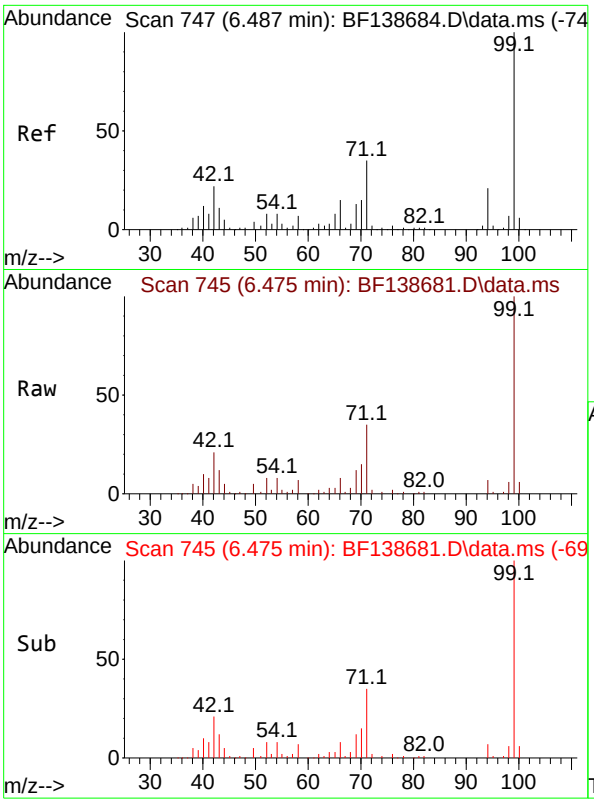


#6
Aniline
Concen: 5.339 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 93 Resp: 29043

Ion	Ratio	Lower	Upper
93	100		
66	58.4	46.9	70.3
65	31.2	26.5	39.7



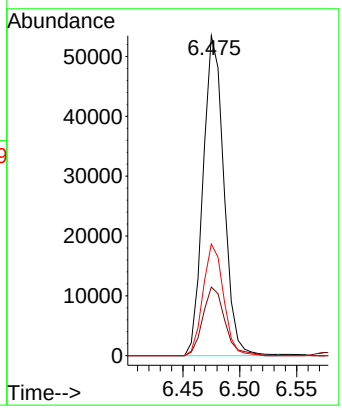


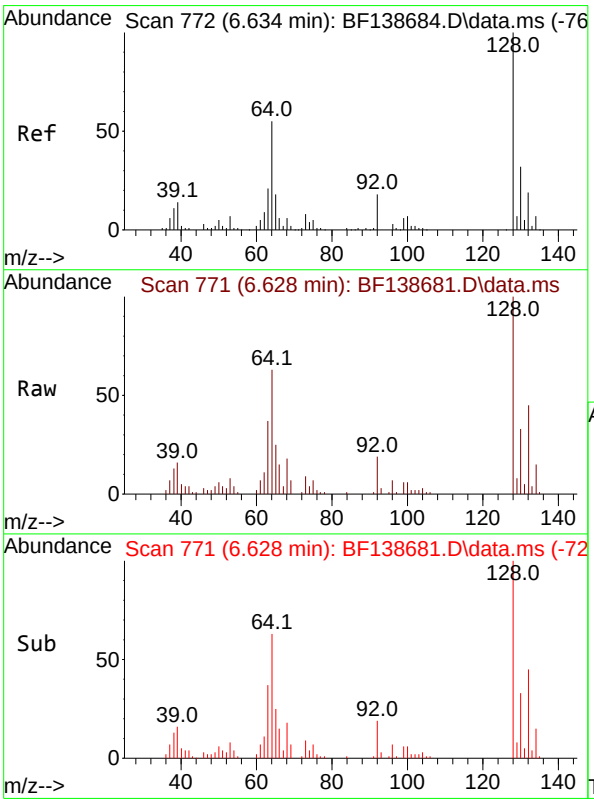
#7
Phenol-d6
Concen: 11.140 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 67958

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.4	26.0
71	34.9	28.1	42.1

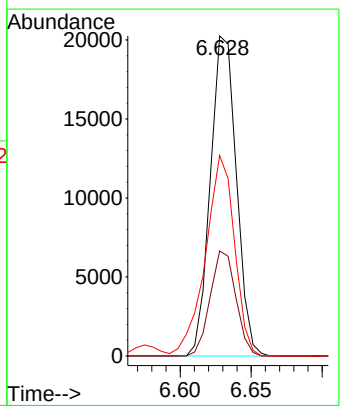


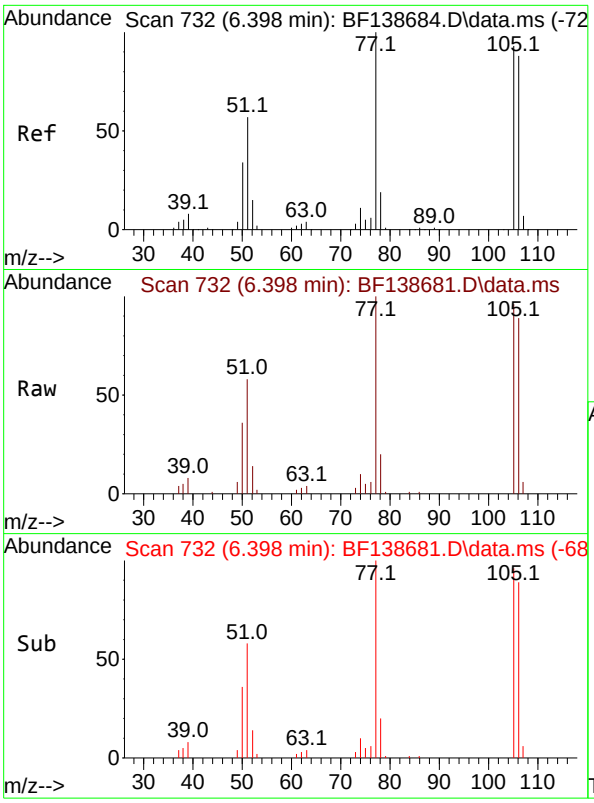


#8
2-Chlorophenol
Concen: 5.397 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:128 Resp: 25801

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.0	52.0
64	62.7	36.3	76.3



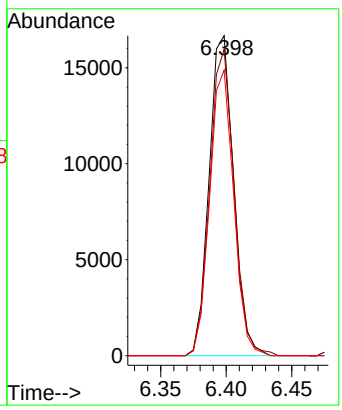


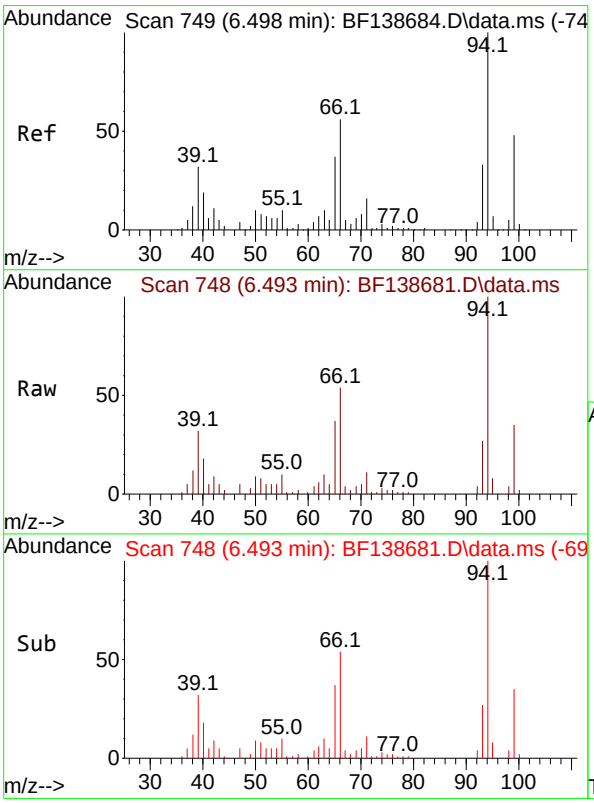
#9
Benzaldehyde
Concen: 5.896 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 21562

Ion	Ratio	Lower	Upper
77	100		
105	95.7	72.9	112.9
106	89.3	68.4	108.4

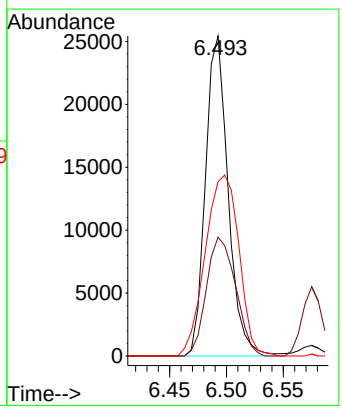


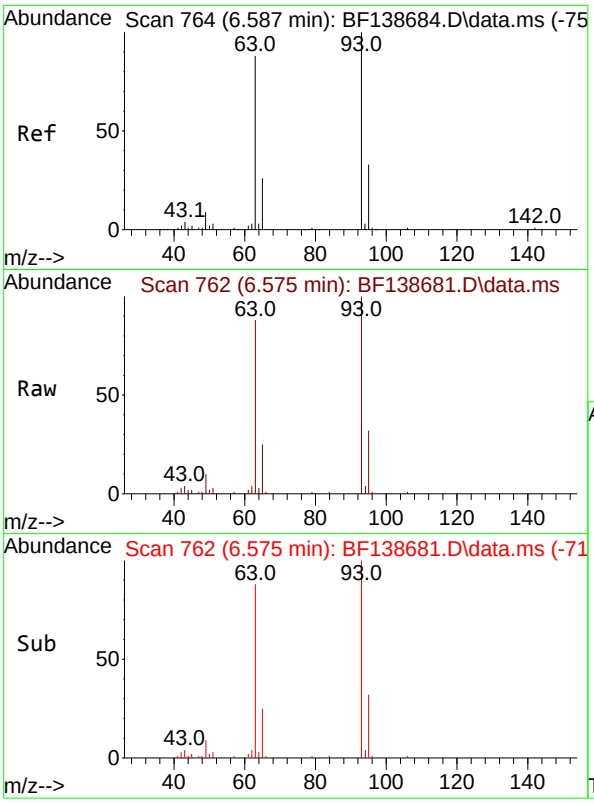


#10
Phenol
Concen: 5.492 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 94 Resp: 35277

Ion	Ratio	Lower	Upper
94	100		
65	37.2	16.9	56.9
66	54.5	36.5	76.5



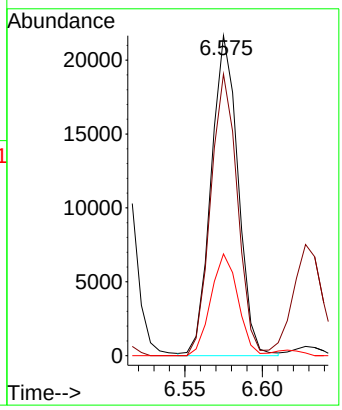


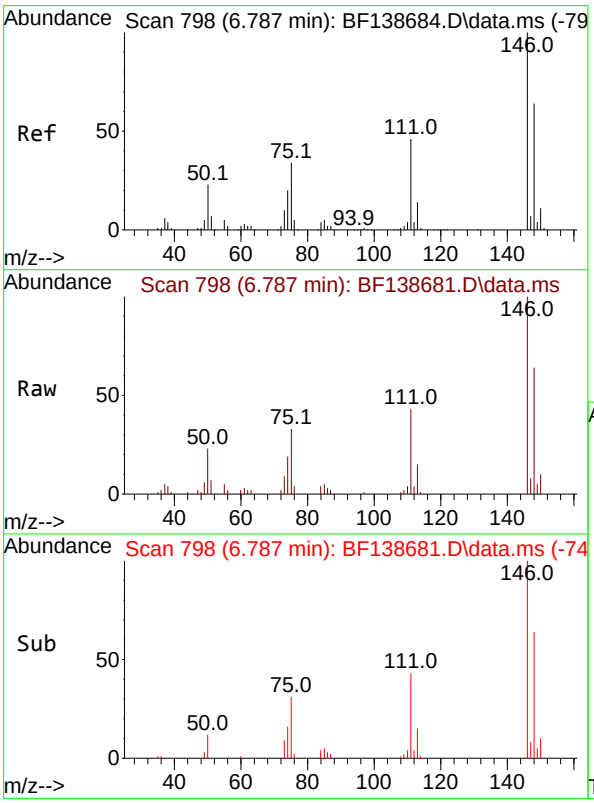
#11
bis(2-Chloroethyl)ether
Concen: 5.302 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 26204

Ion	Ratio	Lower	Upper
93	100		
63	88.0	65.3	105.3
95	31.8	12.4	52.4

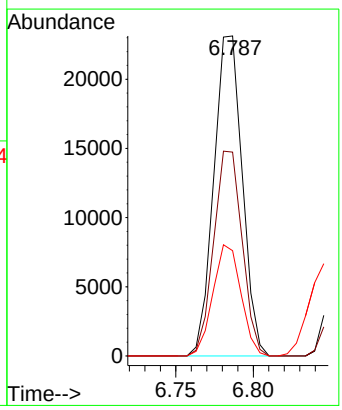


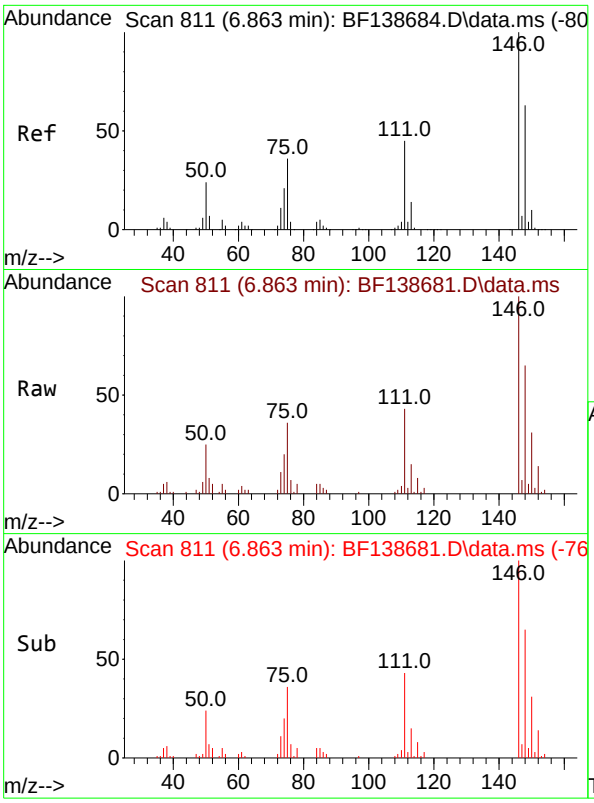


#12
1,3-Dichlorobenzene
Concen: 5.529 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:146 Resp: 29587

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
75	32.9	27.4	41.2



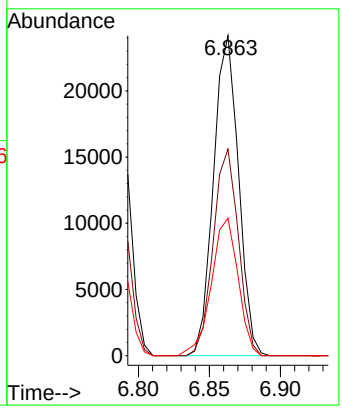


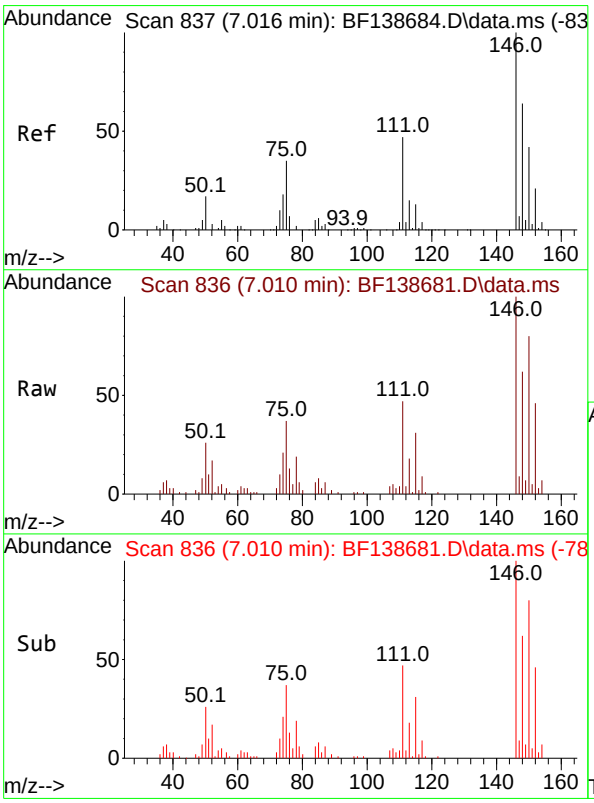
#13
1,4-Dichlorobenzene
Concen: 5.485 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 29620

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.2	75.2
111	42.9	35.9	53.9

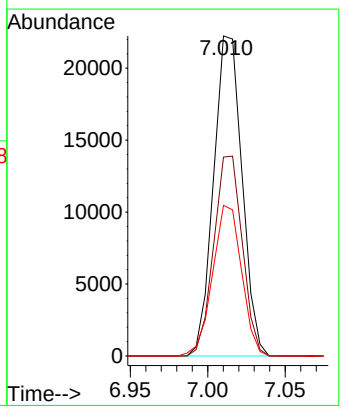


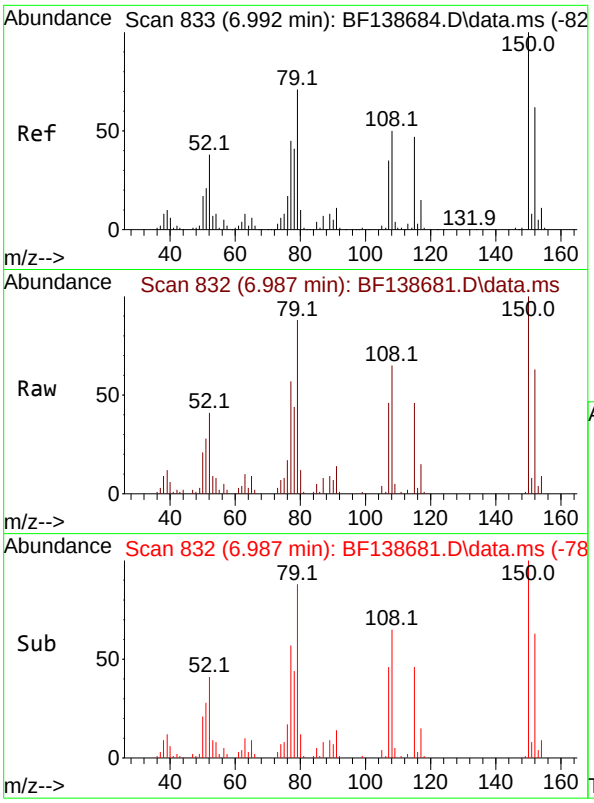


#14
1,2-Dichlorobenzene
Concen: 5.630 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:146 Resp: 28415

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.8	76.2
111	47.0	37.4	56.2



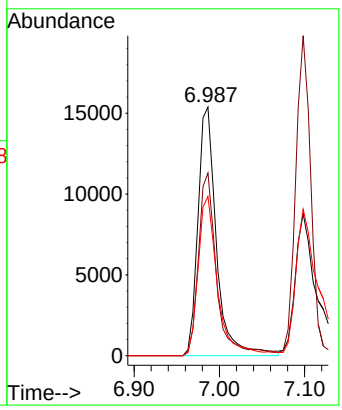


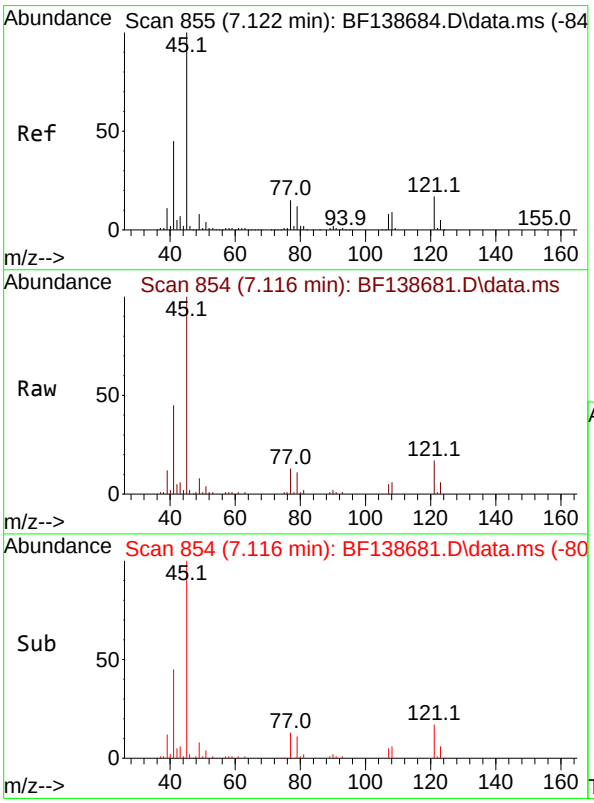
#15
Benzyl Alcohol
Concen: 5.287 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 23244

Ion	Ratio	Lower	Upper
79	100		
108	73.5	56.6	85.0
77	64.0	50.3	75.5

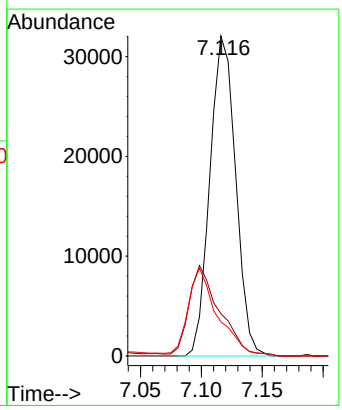


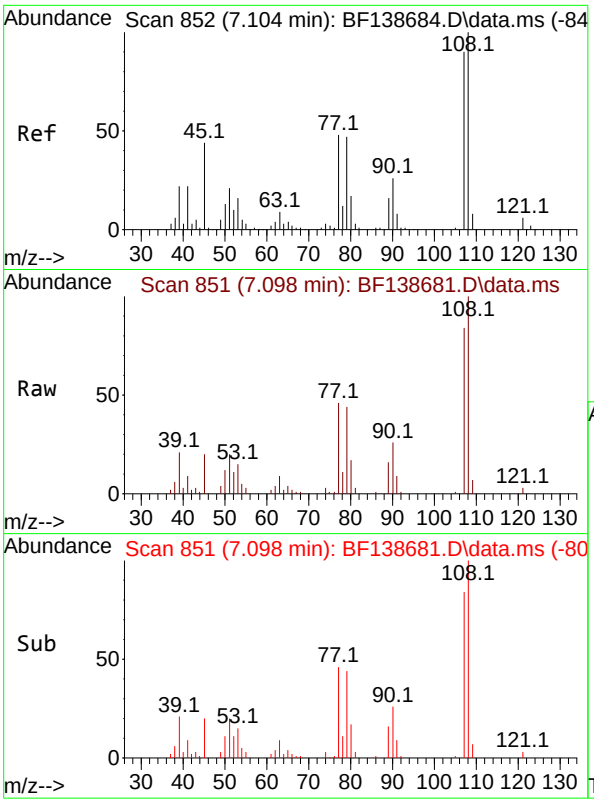


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.555 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 45 Resp: 47247

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	34.9
79	10.6	0.0	32.2



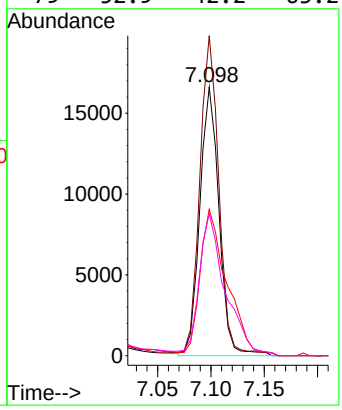


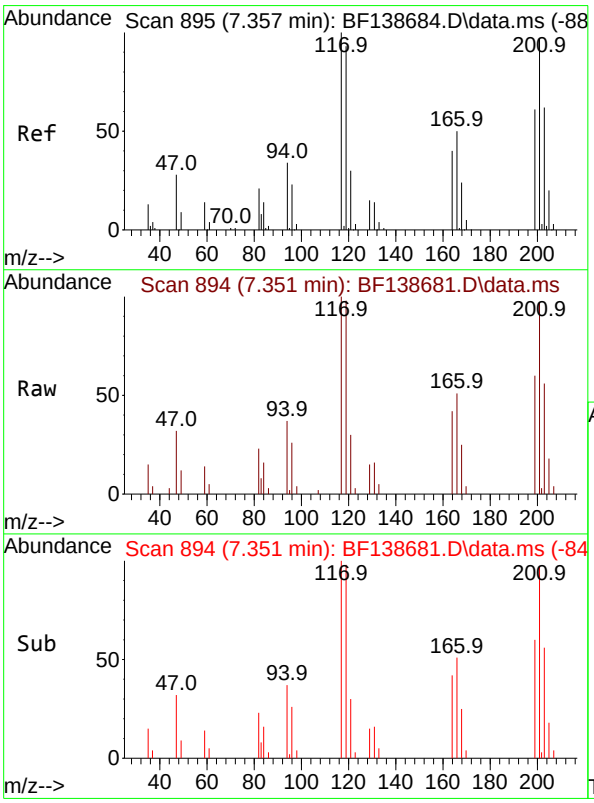
#17
2-Methylphenol
Concen: 5.293 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 20893

Ion	Ratio	Lower	Upper
107	100		
108	119.2	89.2	133.8
77	54.5	43.0	64.4
79	52.9	42.2	63.2

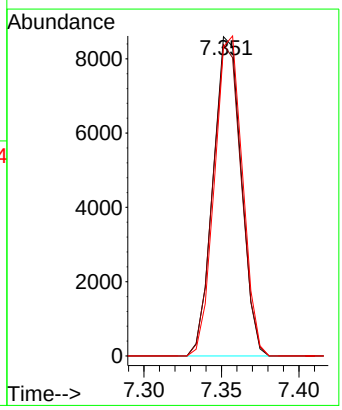


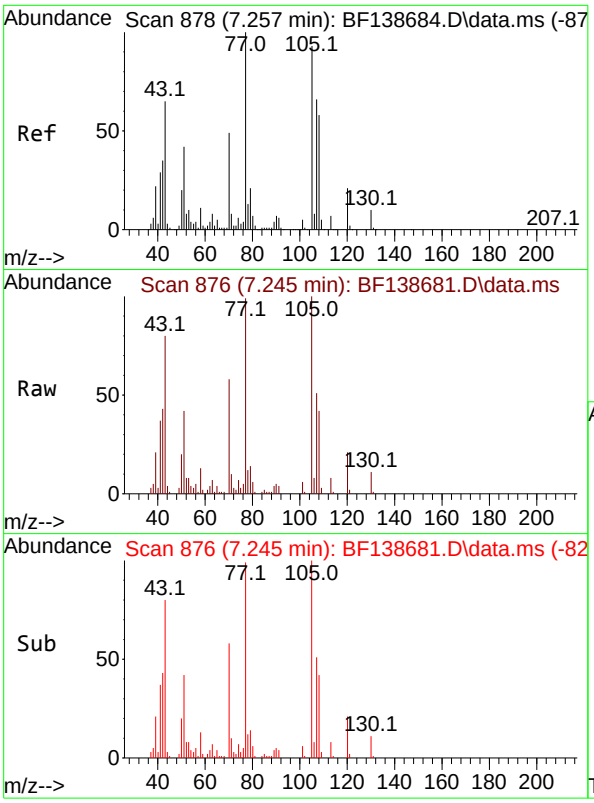


#18
Hexachloroethane
Concen: 5.342 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:117 Resp: 10859

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.6	111.8
201	96.9	77.2	115.8



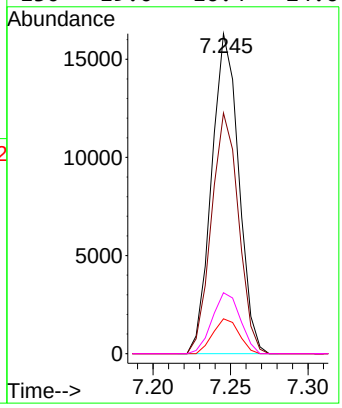


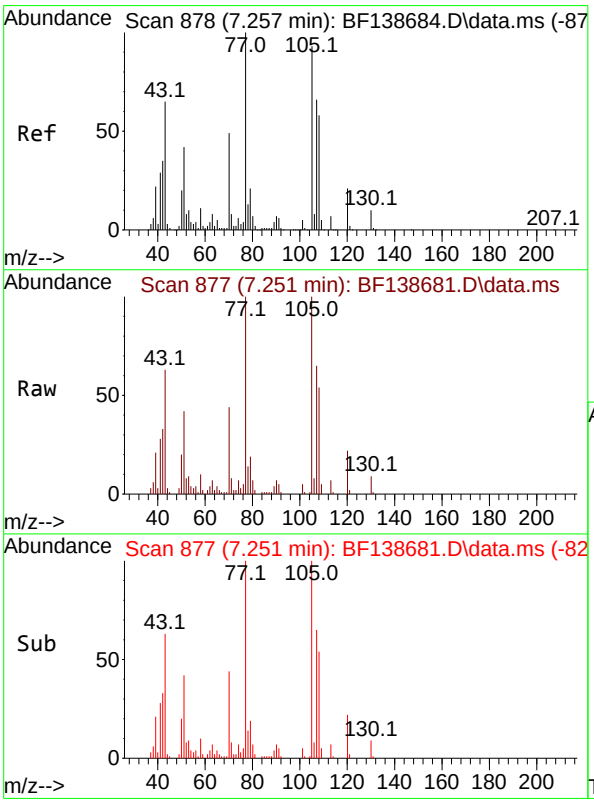
#19
n-Nitroso-di-n-propylamine
Concen: 5.375 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 19805

Ion	Ratio	Lower	Upper
70	100		
42	75.2	57.4	86.0
101	10.9	7.5	11.3
130	19.0	16.4	24.6

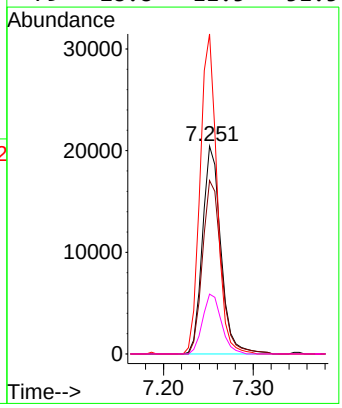


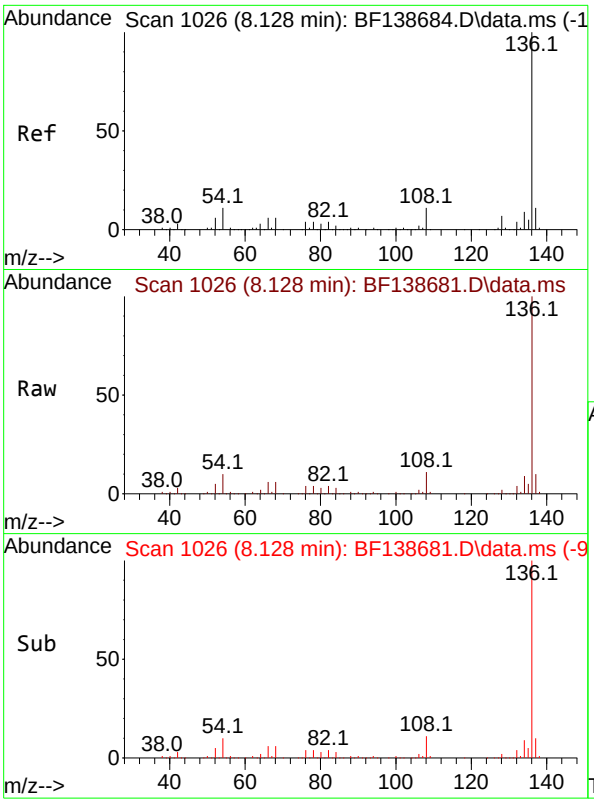


#20
3+4-Methylphenols
Concen: 5.750 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:107 Resp: 29122

Ion	Ratio	Lower	Upper
107	100		
108	83.5	68.2	108.2
77	154.0	132.1	172.1
79	28.8	11.5	51.5



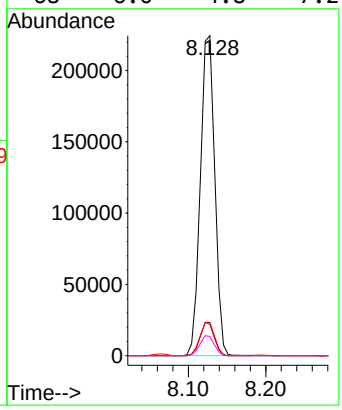


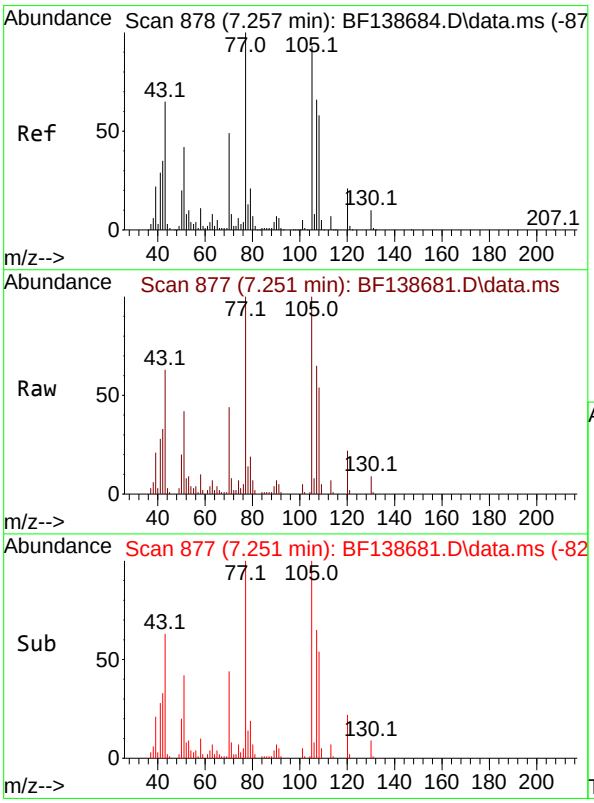
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 290994

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	9.8	8.6	12.8
68	6.0	4.8	7.2

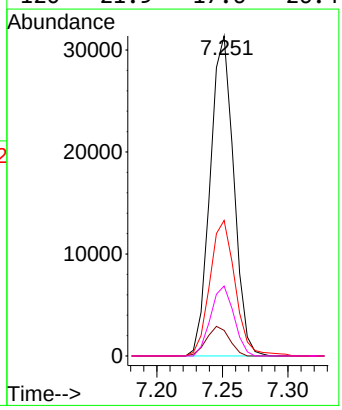


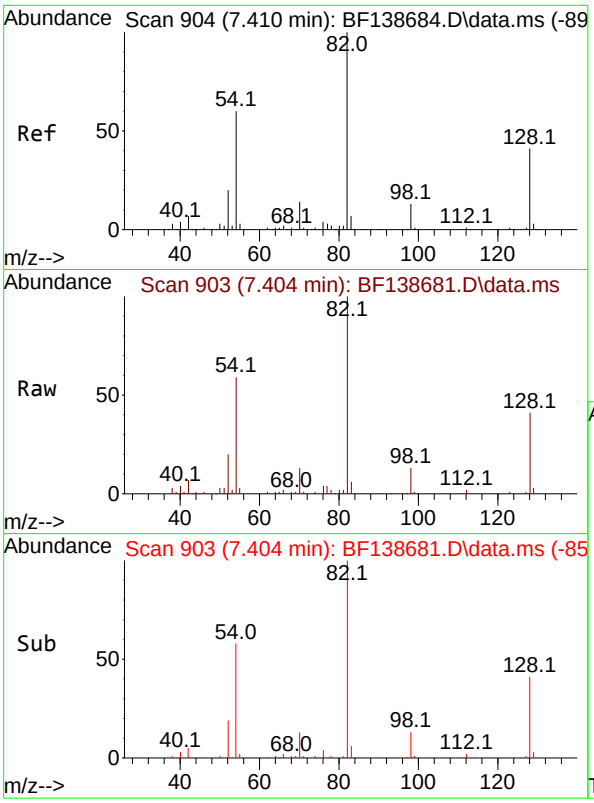


#22
Acetophenone
Concen: 5.496 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:105 Resp: 39162

Ion	Ratio	Lower	Upper
105	100		
71	8.0	7.2	10.8
51	42.3	35.9	53.9
120	21.9	17.6	26.4



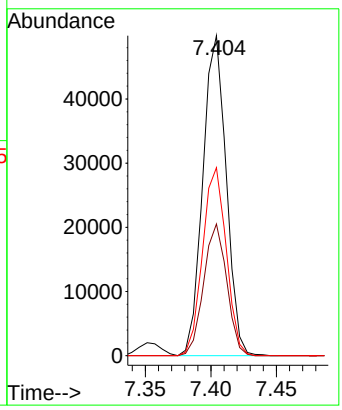


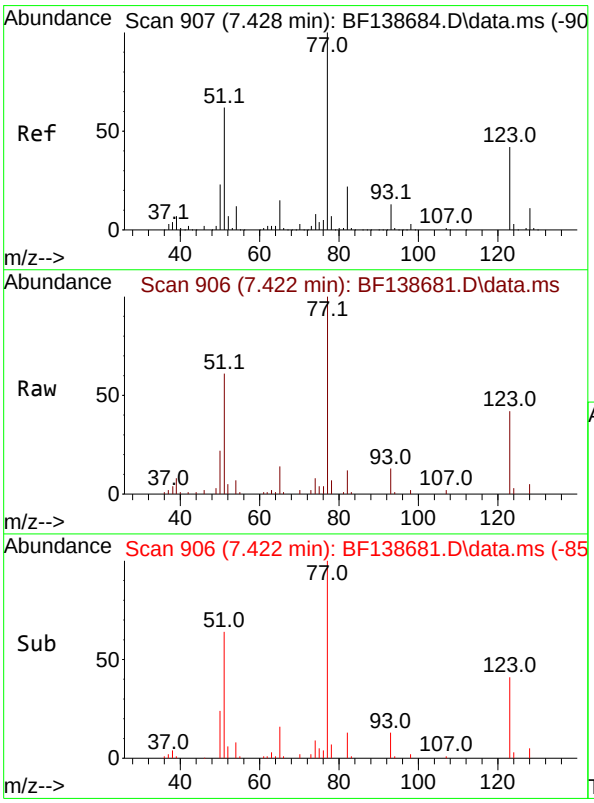
#23
Nitrobenzene-d5
Concen: 10.407 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 61942

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.8	49.2
54	58.8	48.3	72.5

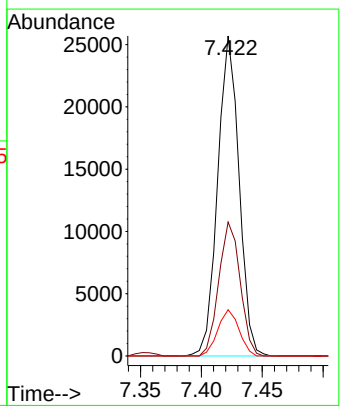


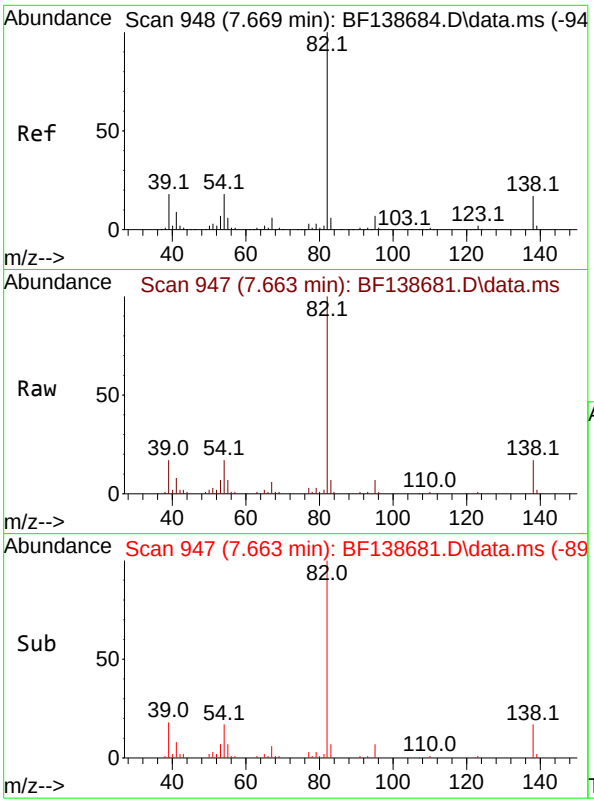


#24
Nitrobenzene
Concen: 5.183 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 77 Resp: 31388

Ion	Ratio	Lower	Upper
77	100		
123	41.8	33.3	49.9
65	14.5	11.9	17.9



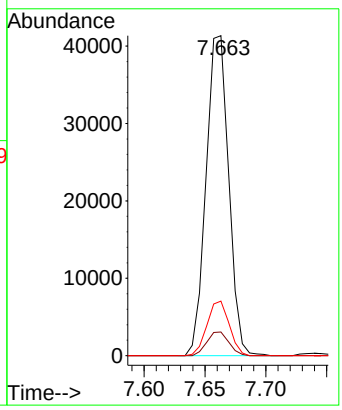


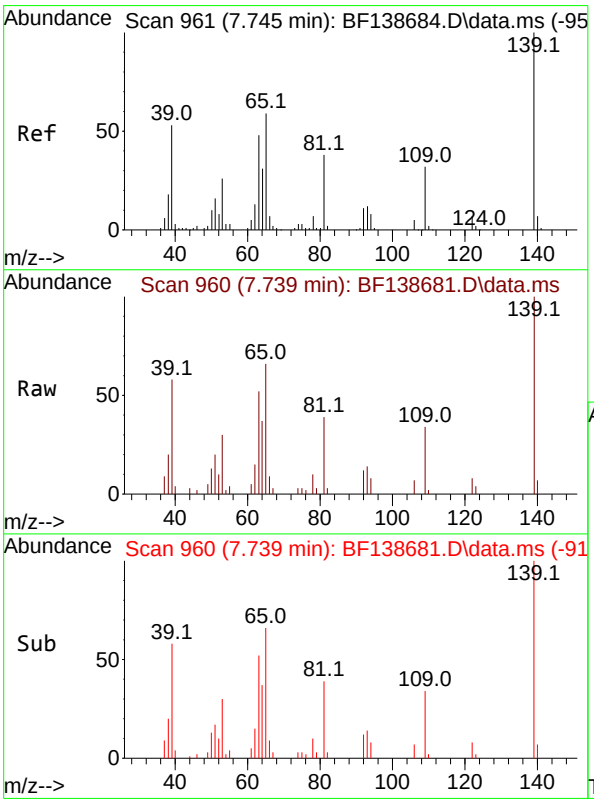
#25
Isophorone
Concen: 5.260 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 53456

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.7	8.5
138	17.1	13.7	20.5

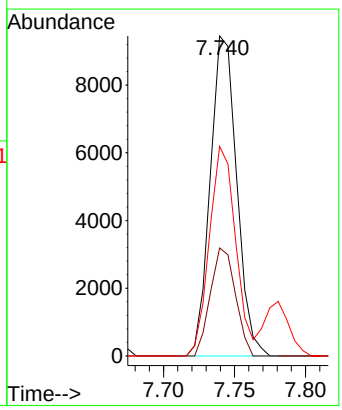


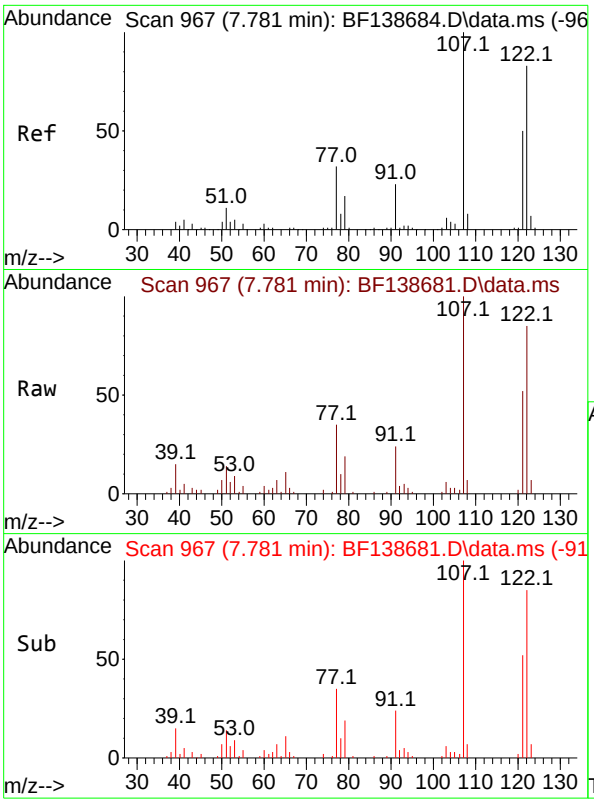


#26
2-Nitrophenol
Concen: 4.708 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:139 Resp: 12268

Ion	Ratio	Lower	Upper
139	100		
109	33.8	25.9	38.9
65	65.5	47.0	70.6



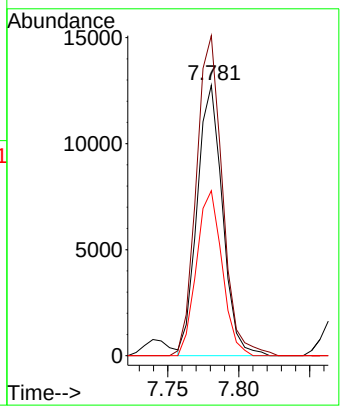


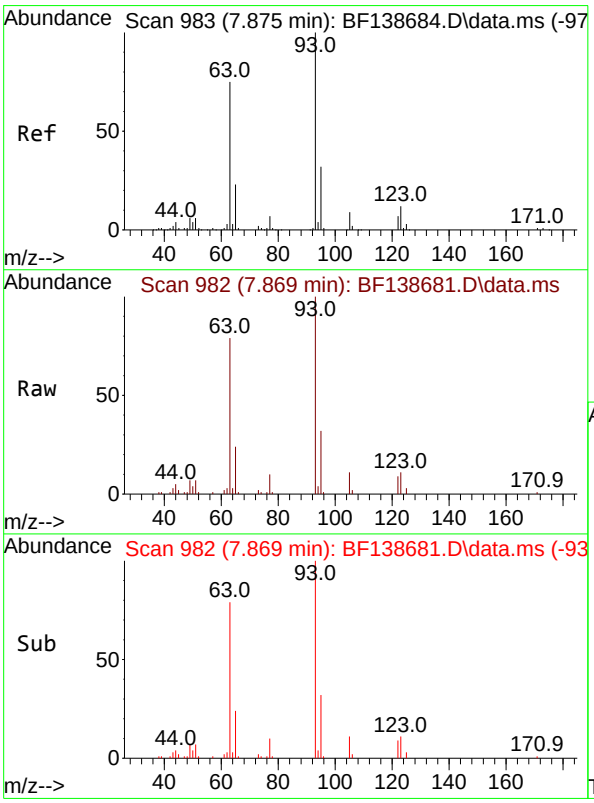
#27
2,4-Dimethylphenol
Concen: 5.102 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 15906

Ion	Ratio	Lower	Upper
122	100		
107	118.3	95.0	142.6
121	61.0	47.3	70.9

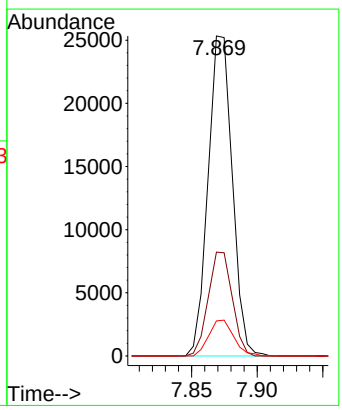


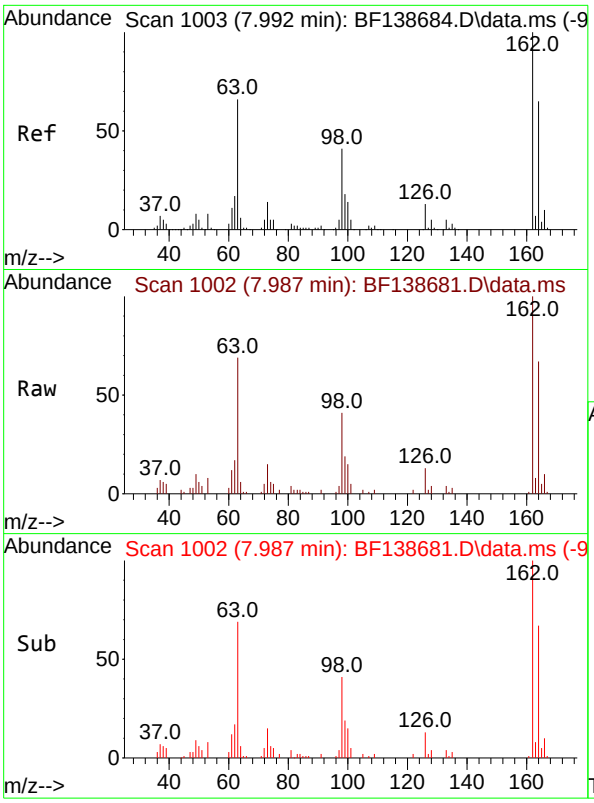


#28
bis(2-Chloroethoxy)methane
Concen: 5.263 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 93 Resp: 32570

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	10.9	9.4	14.0



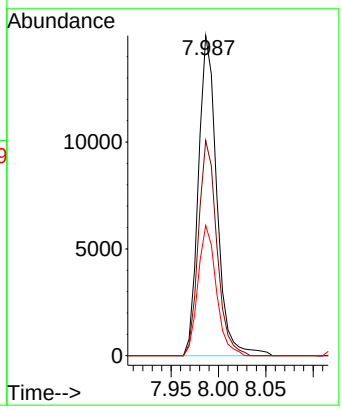


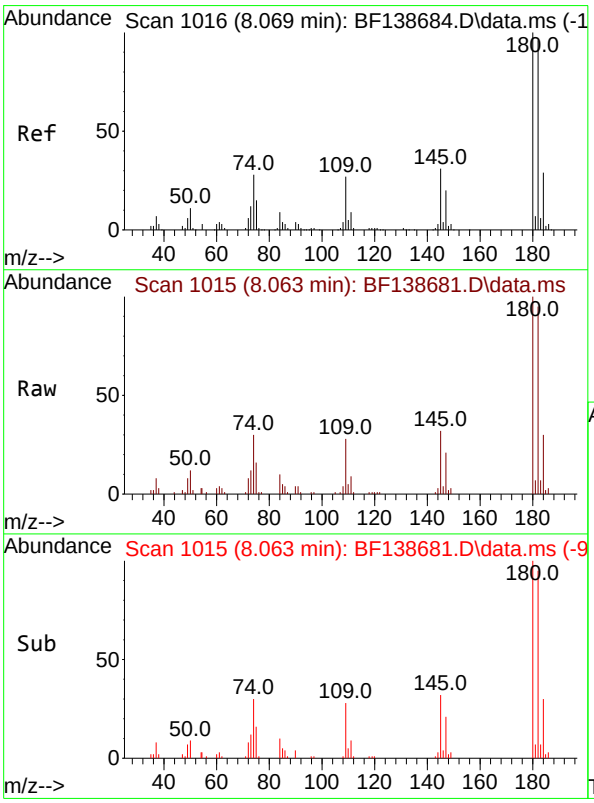
#29
2,4-Dichlorophenol
Concen: 5.058 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 20263

Ion	Ratio	Lower	Upper
162	100		
164	67.2	44.7	84.7
98	40.7	20.8	60.8

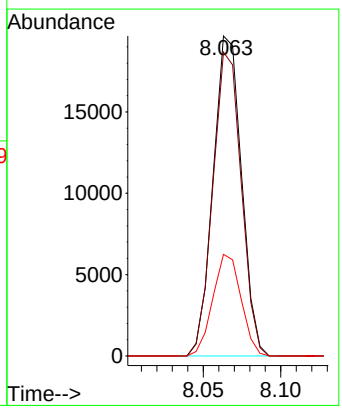


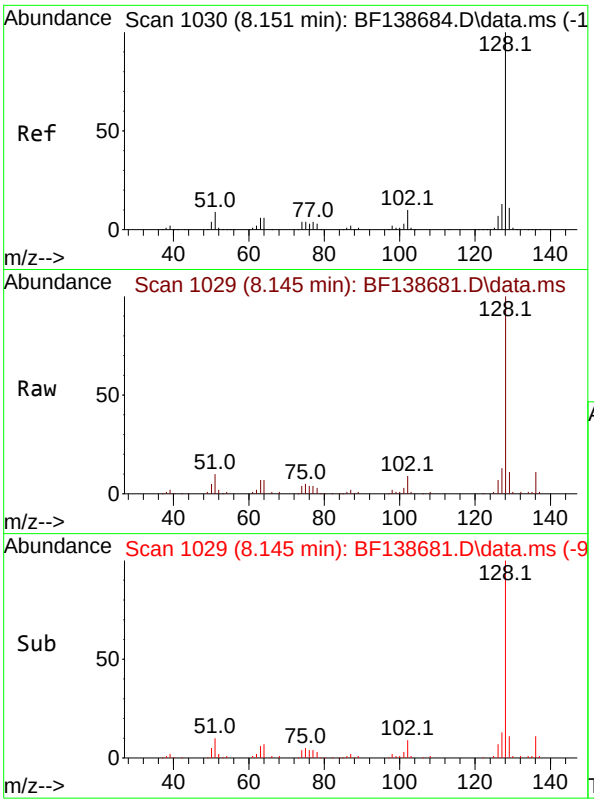


#30
1,2,4-Trichlorobenzene
Concen: 5.414 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:180 Resp: 25030

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	31.7	25.0	37.4



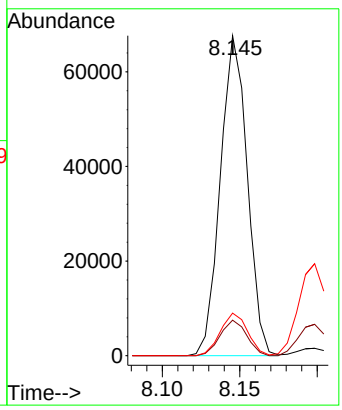


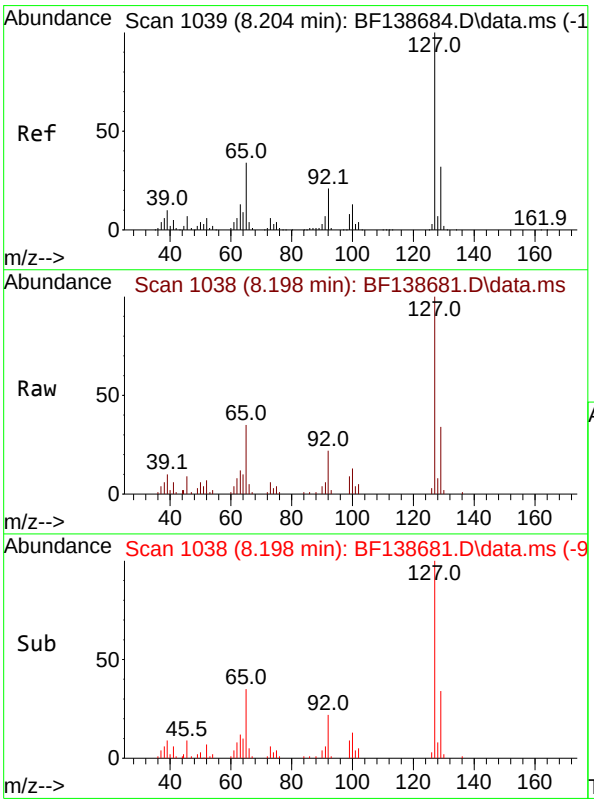
#31
Naphthalene
Concen: 5.338 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 81757

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.3	10.6	16.0

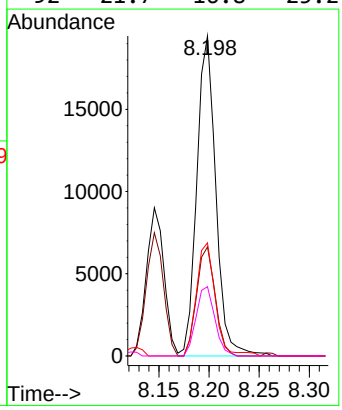


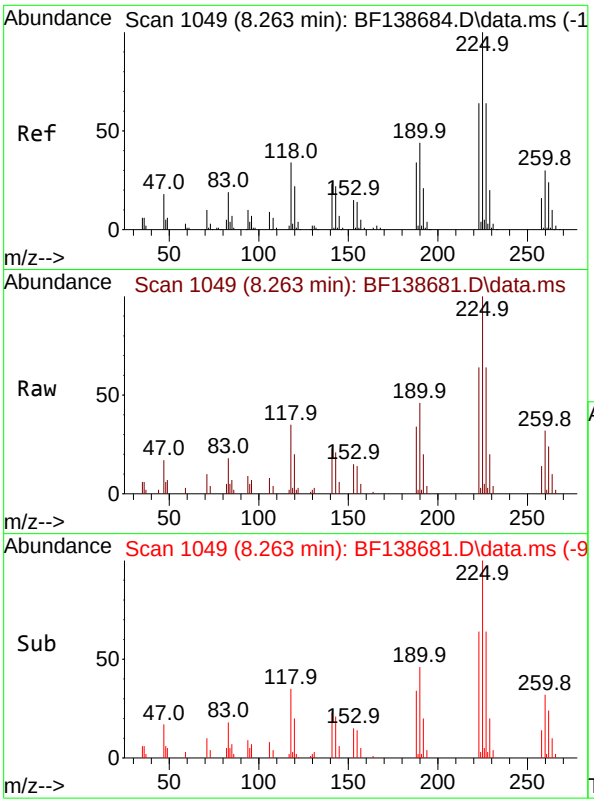


#33
4-Chloroaniline
Concen: 5.009 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:127 Resp: 25753

Ion	Ratio	Lower	Upper
127	100		
129	34.1	25.9	38.9
65	35.4	27.6	41.4
92	21.7	16.8	25.2



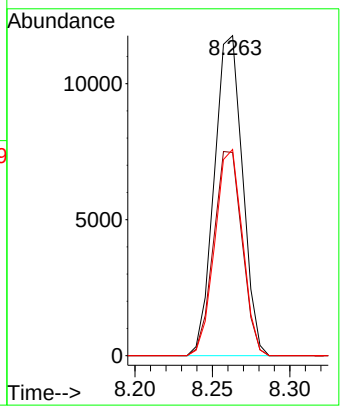


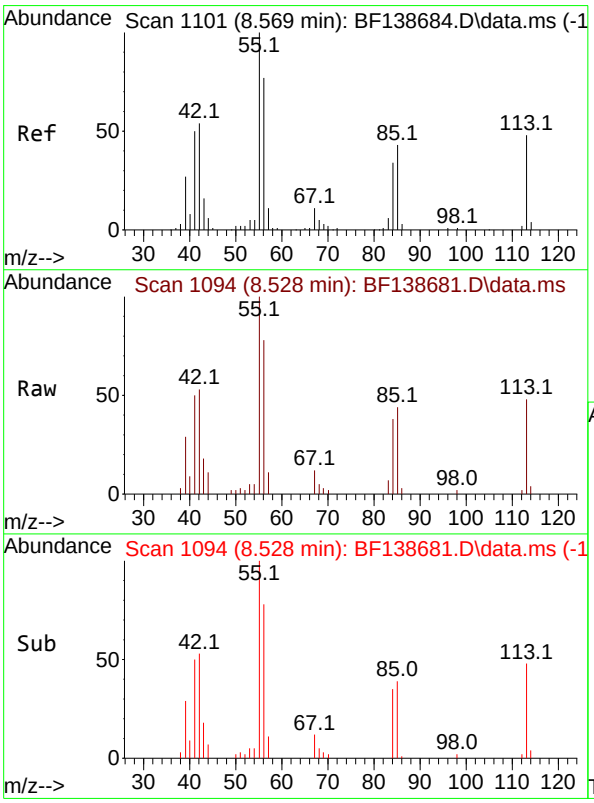
#34
Hexachlorobutadiene
Concen: 5.337 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 14945

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.2	76.8
227	64.4	51.1	76.7

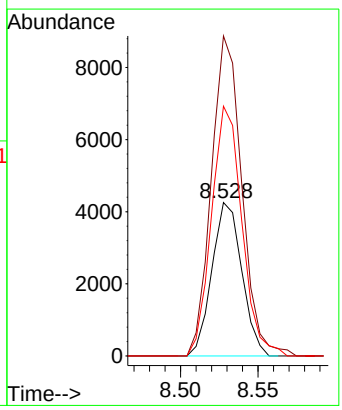


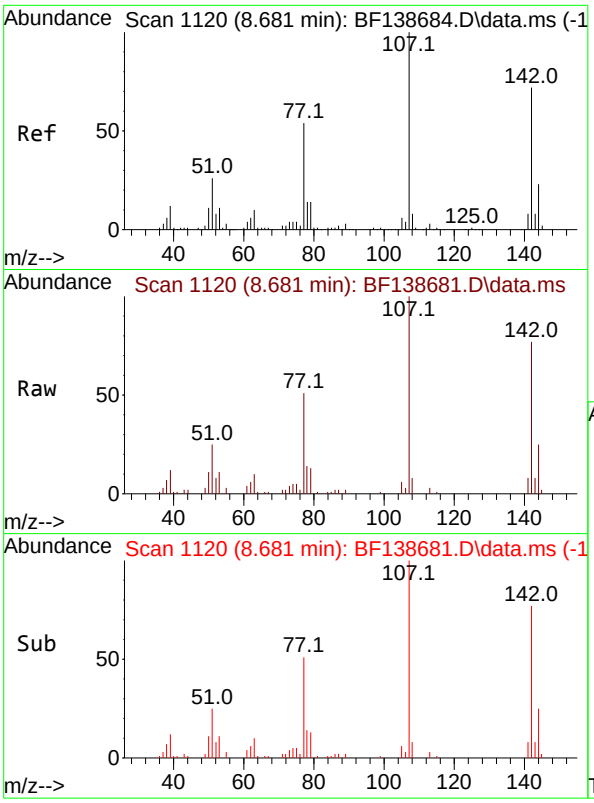


#35
Caprolactam
Concen: 4.763 ng
RT: 8.528 min Scan# 1094
Delta R.T. -0.041 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:113 Resp: 5694

Ion	Ratio	Lower	Upper
113	100		
55	208.6	186.7	226.7
56	162.7	138.9	178.9



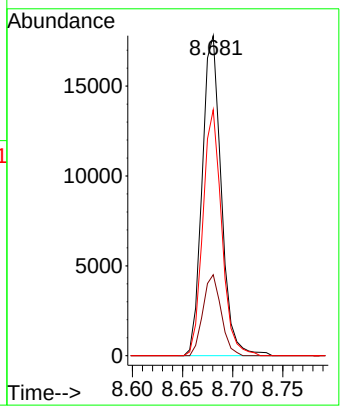


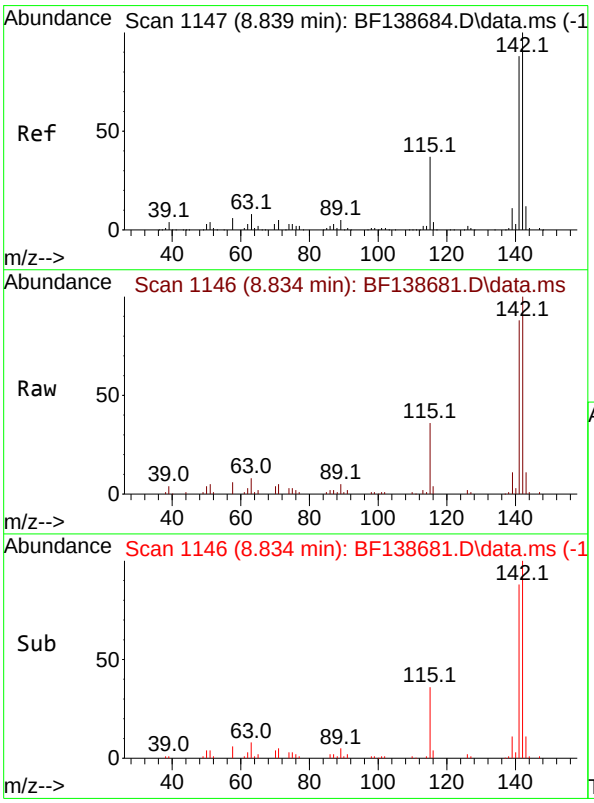
#36
4-Chloro-3-methylphenol
Concen: 5.173 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 23684

Ion	Ratio	Lower	Upper
107	100		
144	25.3	18.2	27.2
142	76.9	57.4	86.2

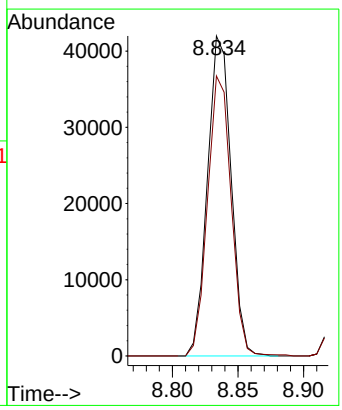


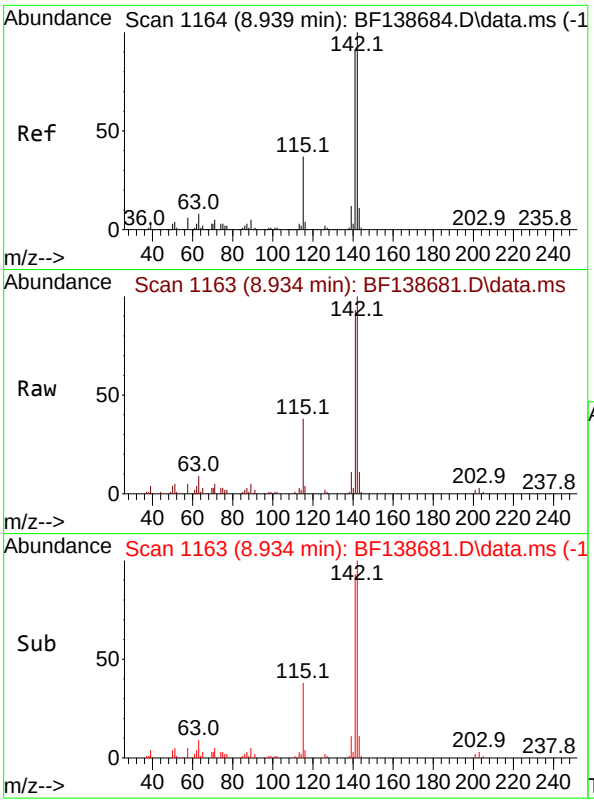


#37
2-Methylnaphthalene
Concen: 5.439 ng
RT: 8.834 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:142 Resp: 52614

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2



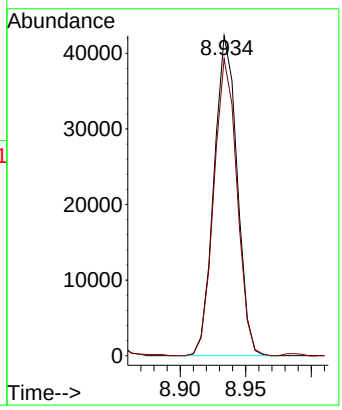


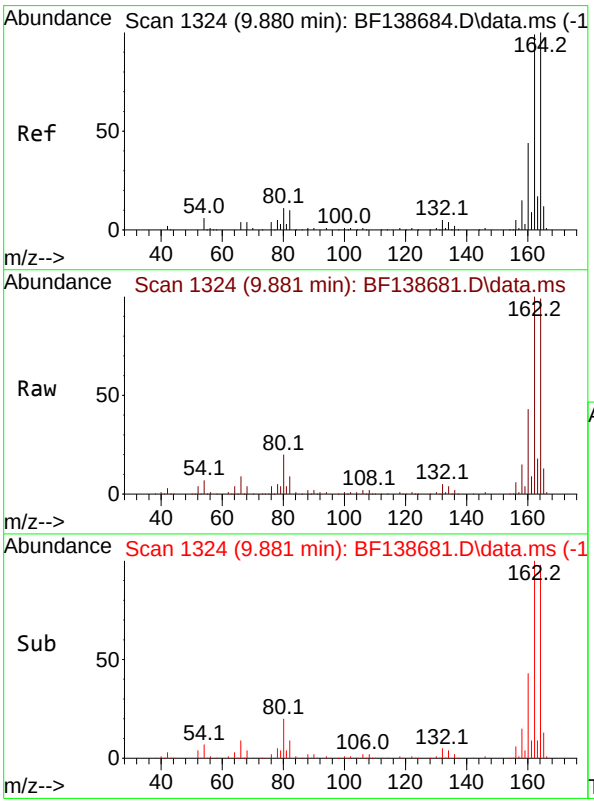
#38
1-Methylnaphthalene
Concen: 5.470 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 51855

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.1	109.7

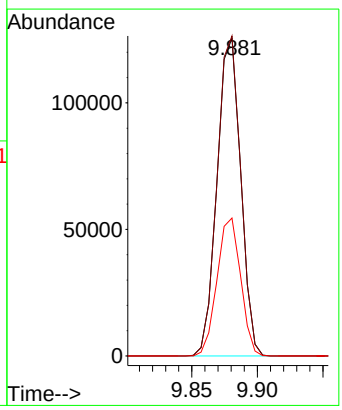


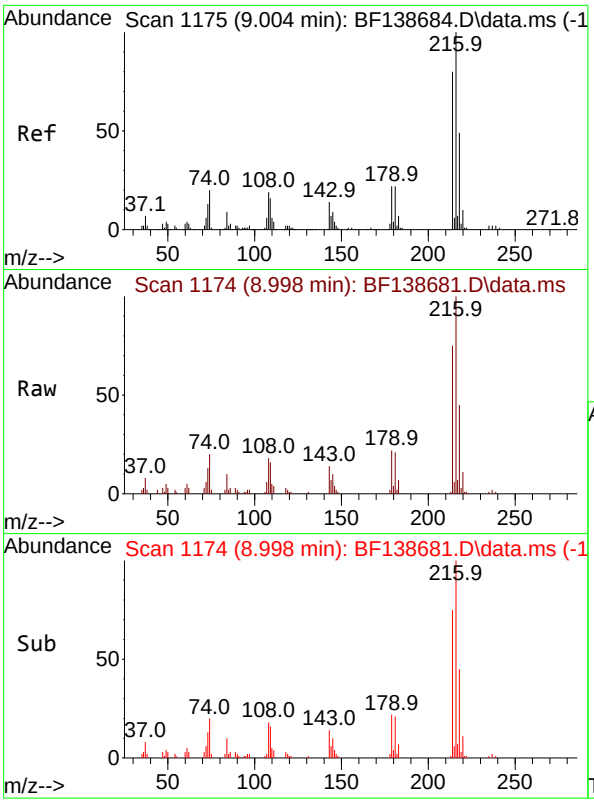


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:164 Resp: 157274

Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.4	119.0
160	43.4	35.1	52.7



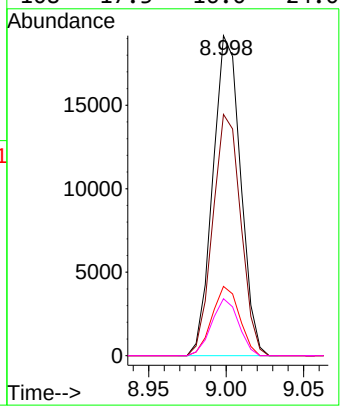


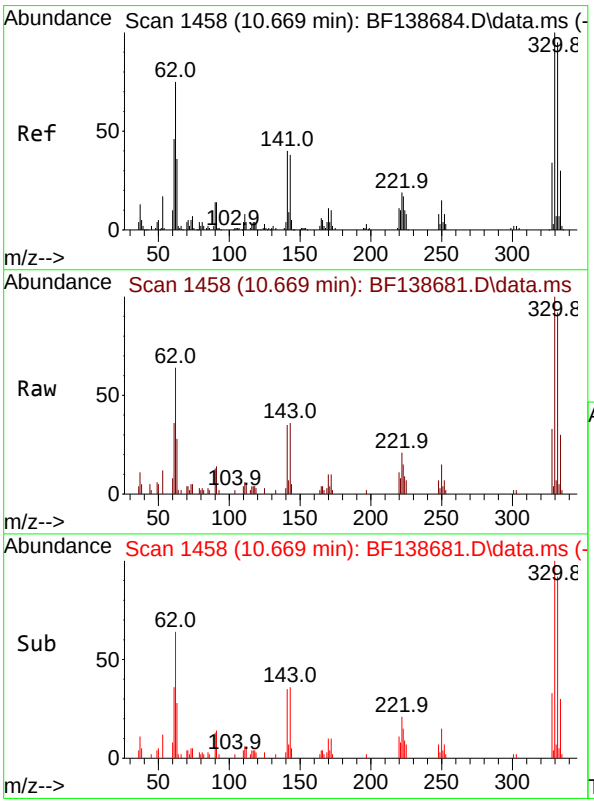
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.456 ng
RT: 8.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 23837

Ion	Ratio	Lower	Upper
216	100		
214	76.1	63.9	95.9
179	21.4	17.8	26.6
108	17.3	16.0	24.0

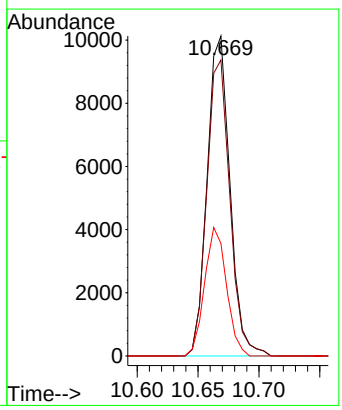


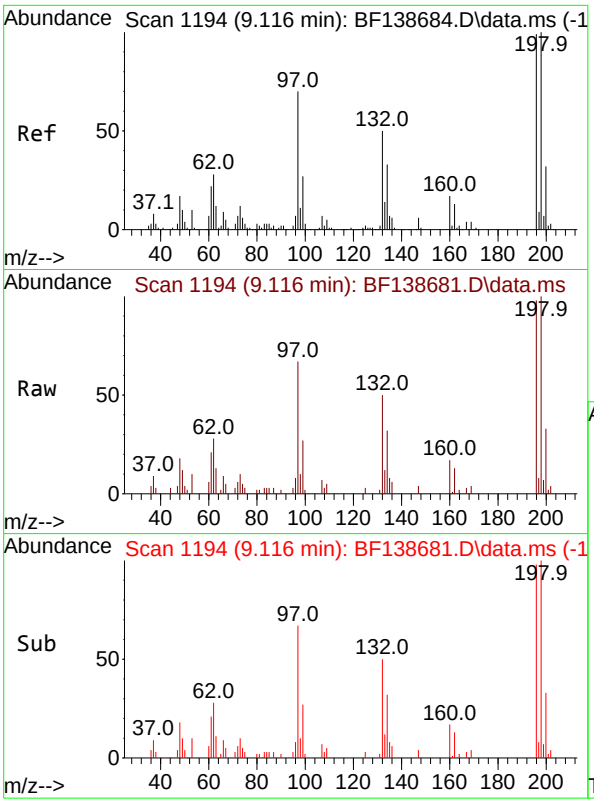


#42
2,4,6-Tribromophenol
Concen: 10.260 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:330 Resp: 13218

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.4	114.6
141	38.6	31.1	46.7



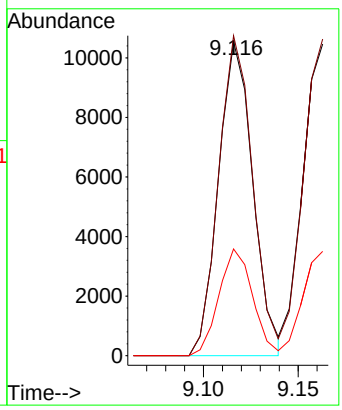


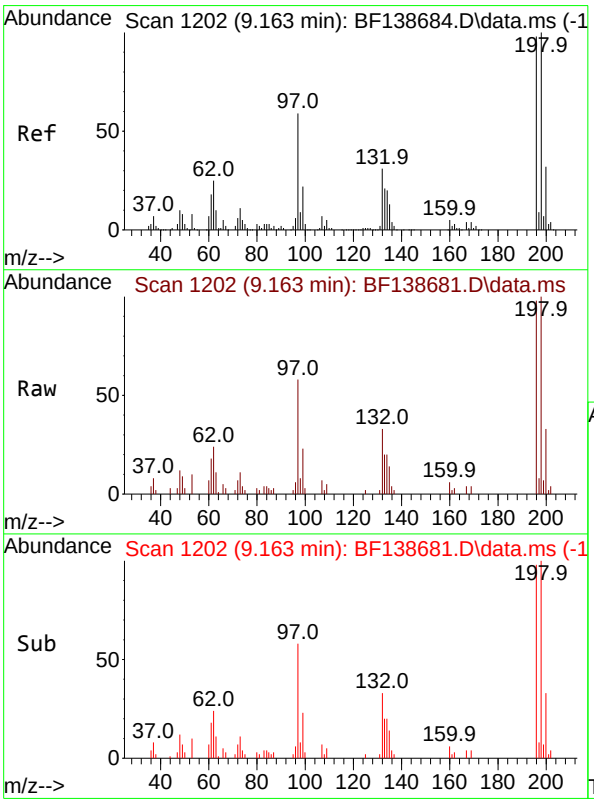
#43
2,4,6-Trichlorophenol
Concen: 4.994 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 13303

Ion	Ratio	Lower	Upper
196	100		
198	101.8	80.5	120.7
200	34.0	25.9	38.9

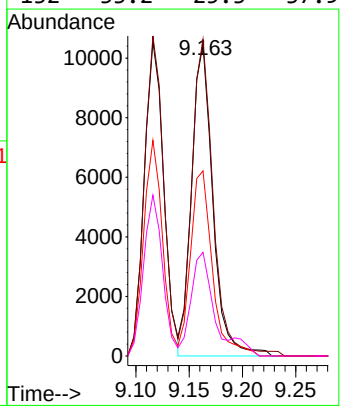


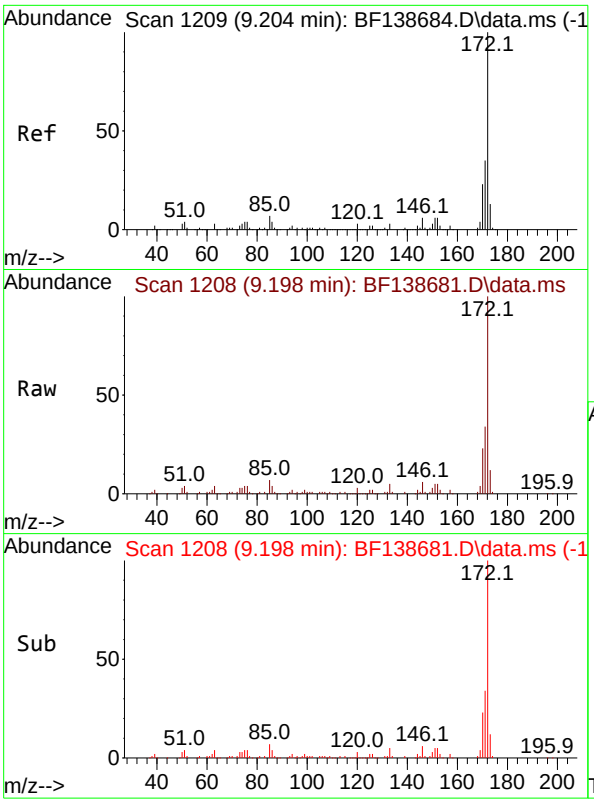


#44
2,4,5-Trichlorophenol
Concen: 4.972 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:196 Resp: 14479

Ion	Ratio	Lower	Upper
196	100		
198	101.6	81.2	121.8
97	59.4	47.8	71.6
132	33.2	25.3	37.9



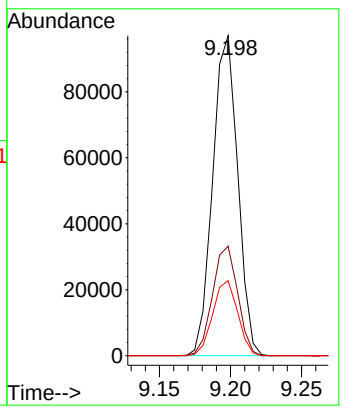


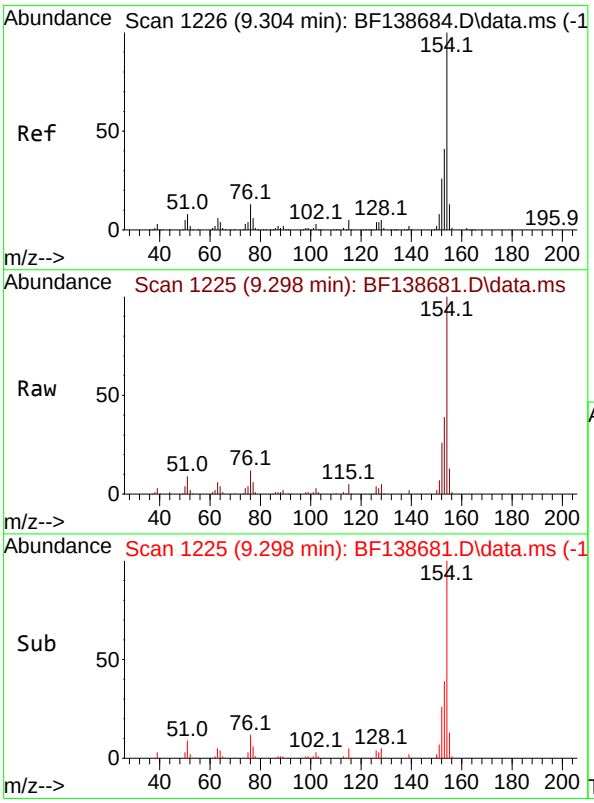
#45
2-Fluorobiphenyl
Concen: 11.357 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 118878

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.3	42.5
170	23.5	18.8	28.2

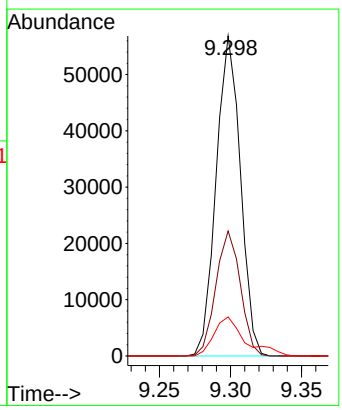


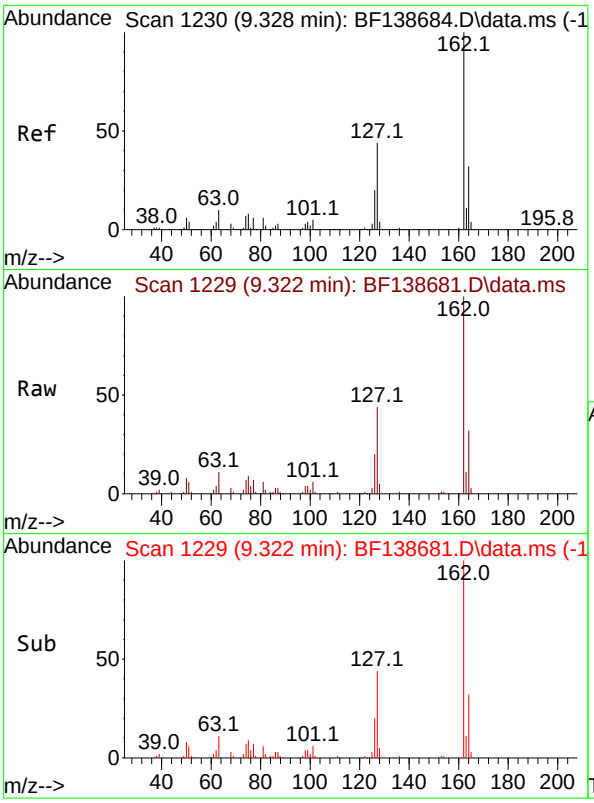


#46
1,1'-Biphenyl
Concen: 5.471 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:154 Resp: 67394

Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.8	60.8
76	12.2	0.0	32.8



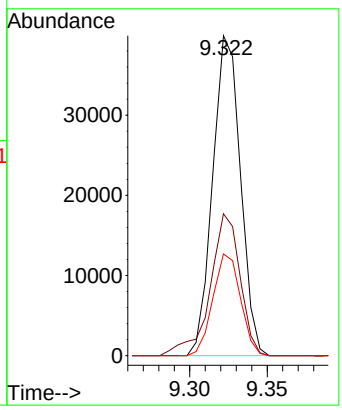


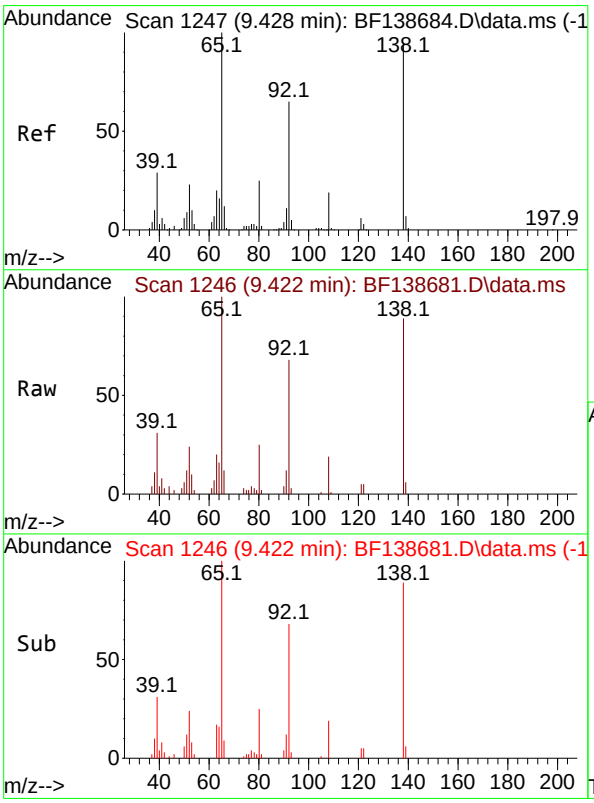
#47
2-Chloronaphthalene
Concen: 5.421 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 49660

Ion	Ratio	Lower	Upper
162	100		
127	44.3	35.4	53.2
164	31.8	25.6	38.4

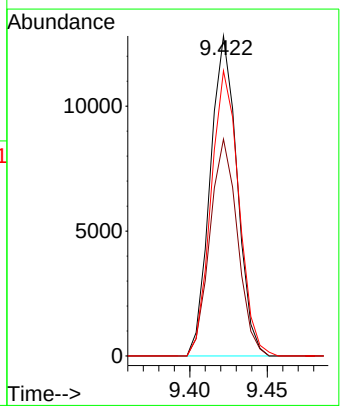


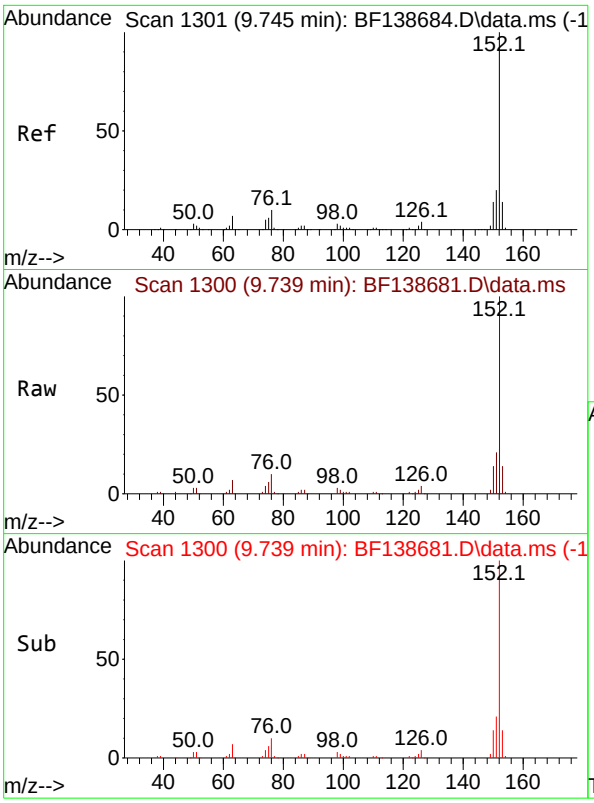


#48
2-Nitroaniline
Concen: 4.982 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion: 65 Resp: 15473

Ion	Ratio	Lower	Upper
65	100		
92	67.8	52.0	78.0
138	89.1	76.2	114.4



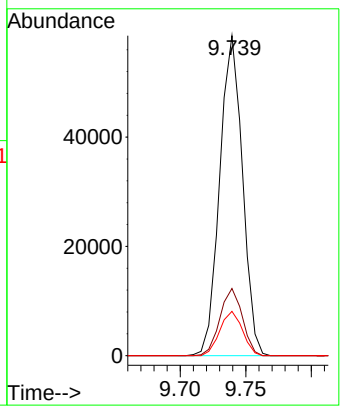


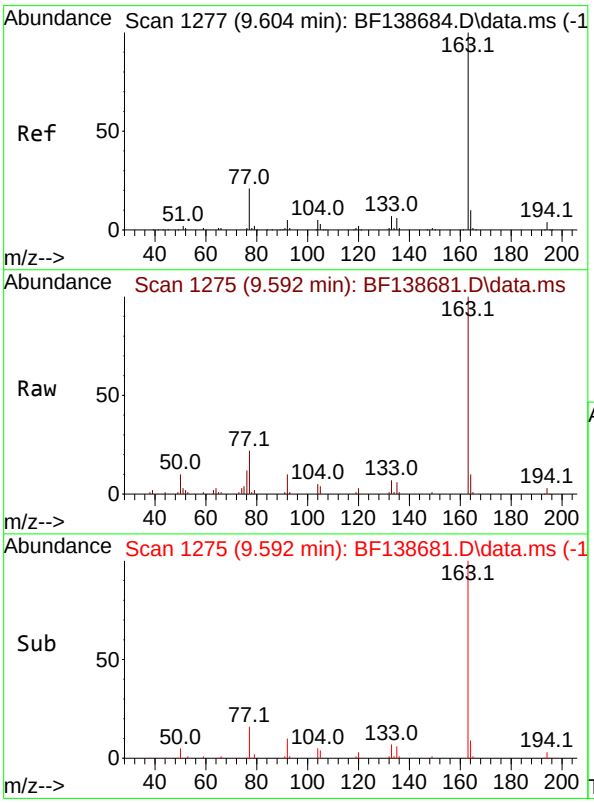
#49
Acenaphthylene
Concen: 5.435 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 70622

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.0	24.0
153	13.9	11.0	16.4

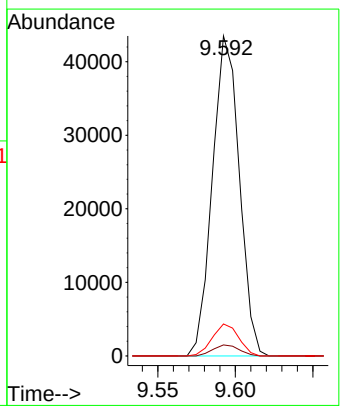


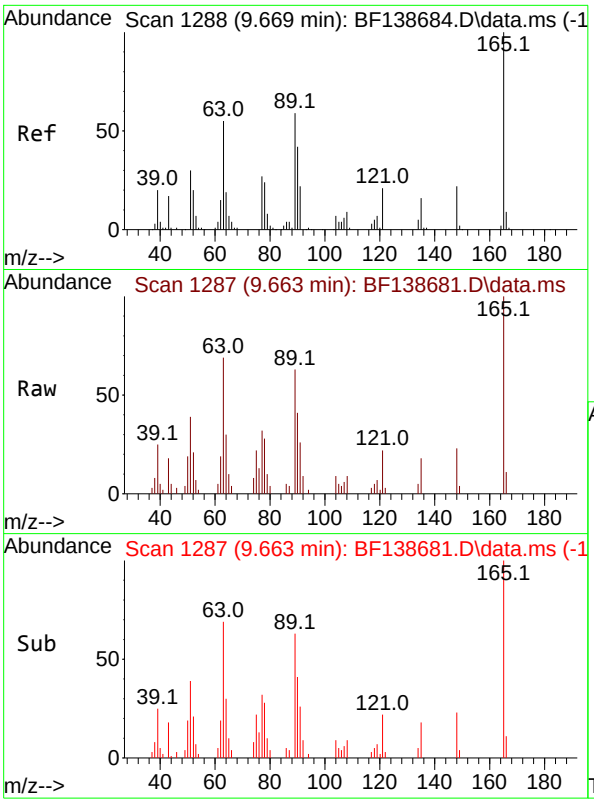


#50
Dimethylphthalate
Concen: 5.223 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:163 Resp: 52521

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	10.0	7.8	11.8



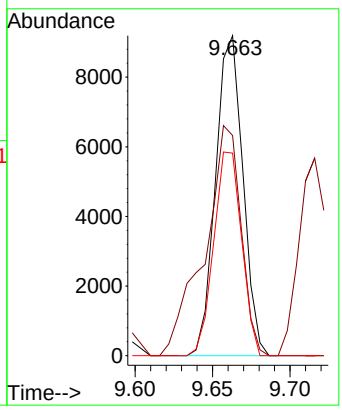


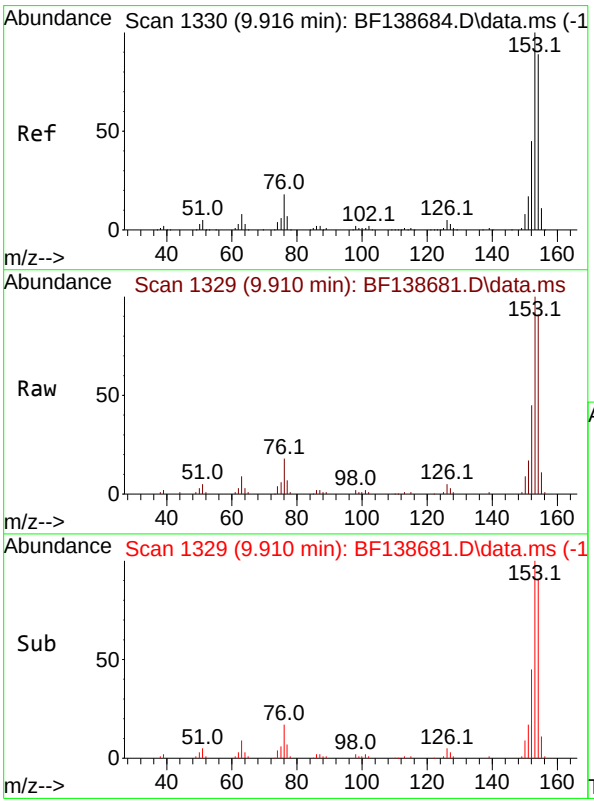
#51
2,6-Dinitrotoluene
Concen: 4.963 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 11264

Ion	Ratio	Lower	Upper
165	100		
63	68.8	52.0	78.0
89	63.3	47.0	70.6

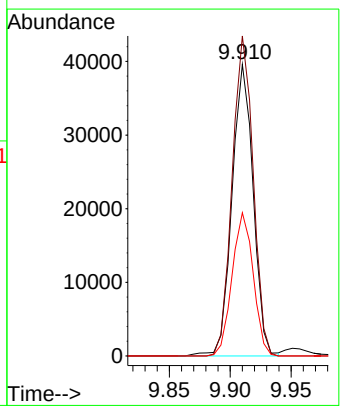


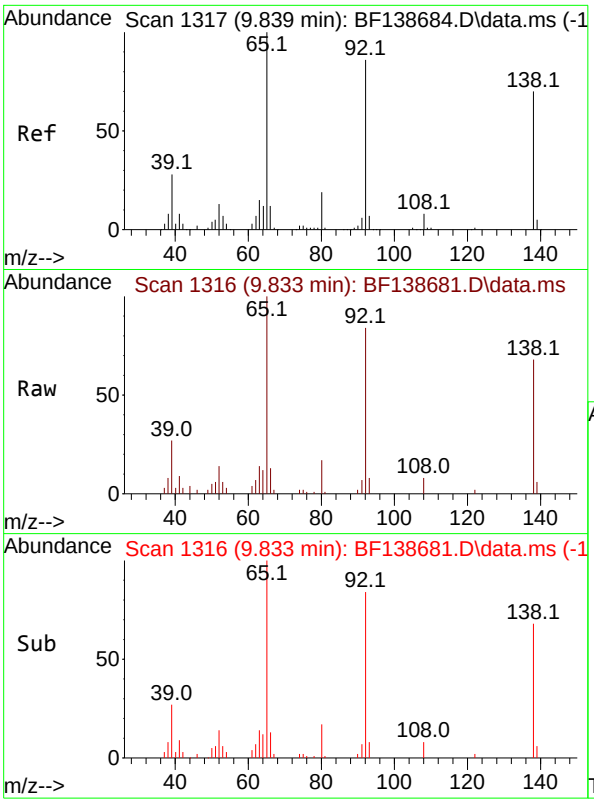


#52
Acenaphthene
Concen: 5.480 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:154 Resp: 47866

Ion	Ratio	Lower	Upper
154	100		
153	109.8	89.9	134.9
152	49.1	40.6	60.8



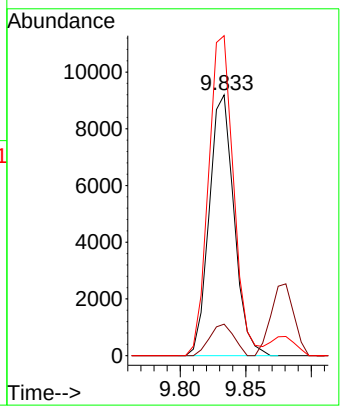


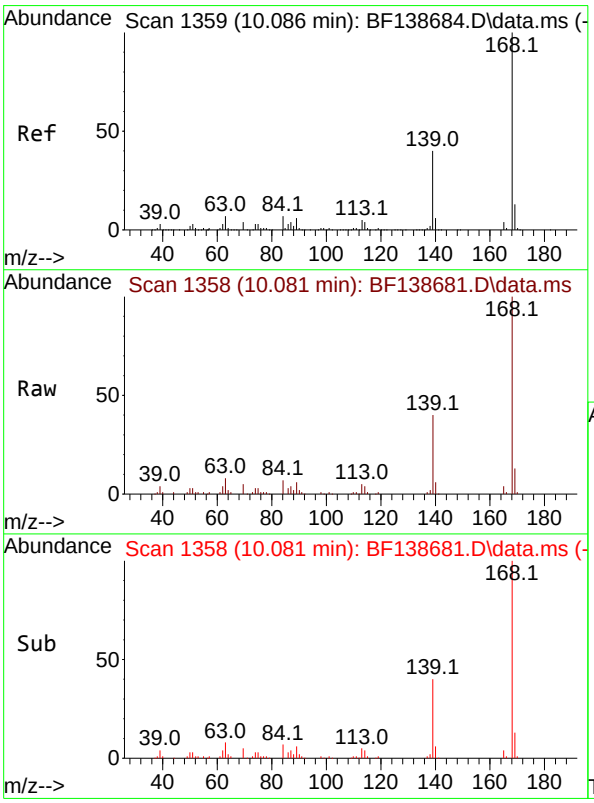
#53
3-Nitroaniline
Concen: 5.167 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 12123

Ion	Ratio	Lower	Upper
138	100		
108	12.1	9.1	13.7
92	122.7	98.7	148.1

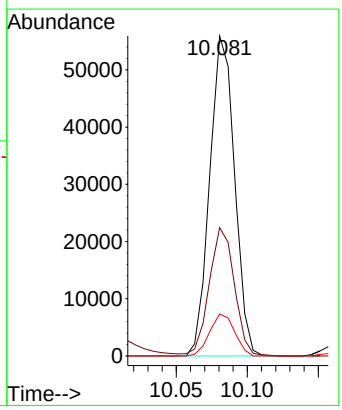


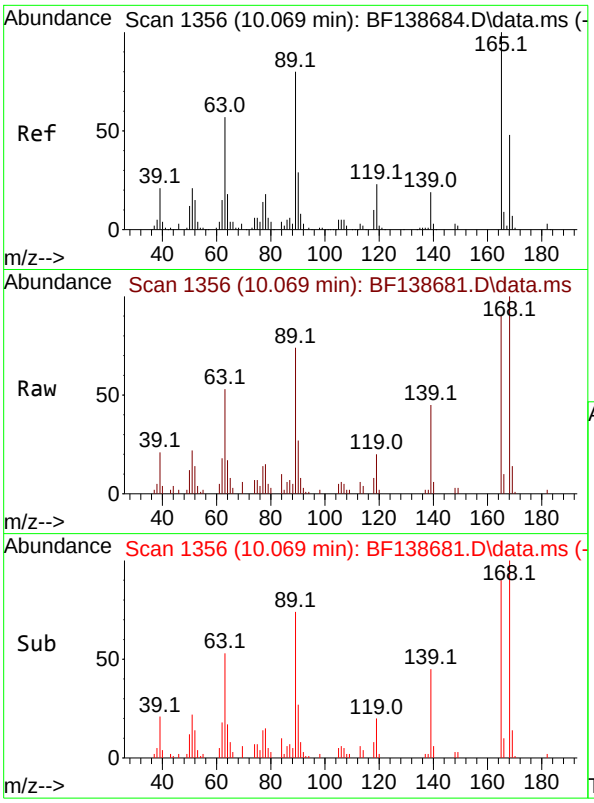


#55
Dibenzofuran
Concen: 5.515 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:168 Resp: 67994

Ion	Ratio	Lower	Upper
168	100		
139	40.1	32.6	49.0
169	13.1	10.7	16.1



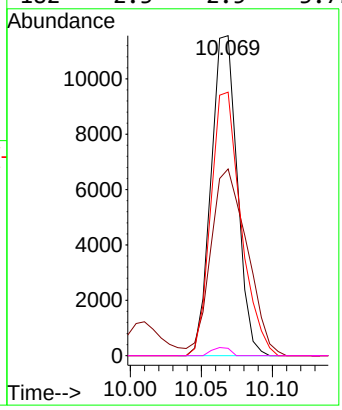


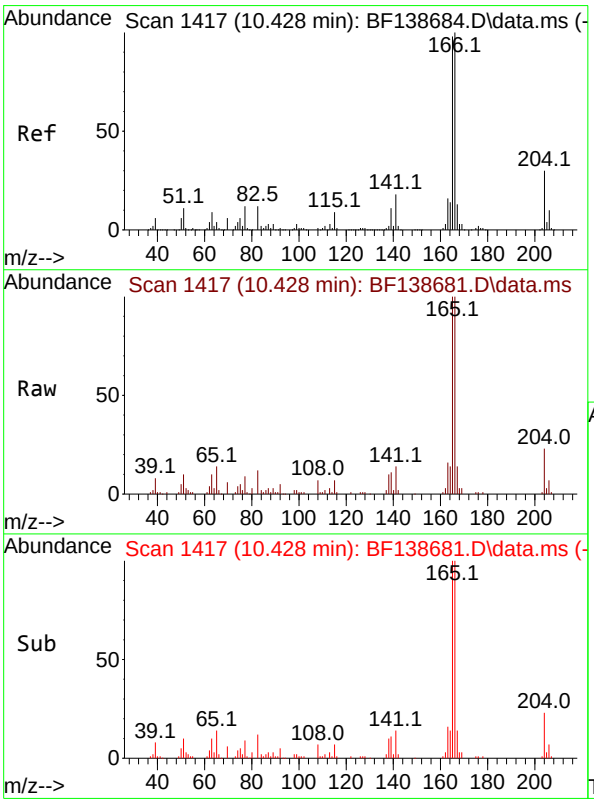
#57
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 14816

Ion	Ratio	Lower	Upper
165	100		
63	58.4	46.3	69.5
89	82.4	64.2	96.4
182	2.3	2.5	3.7#

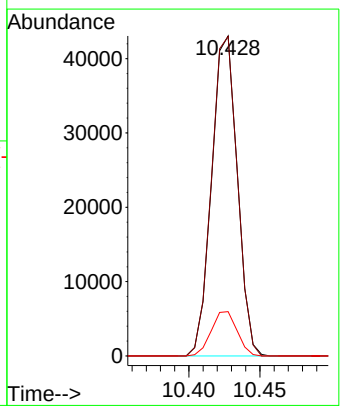


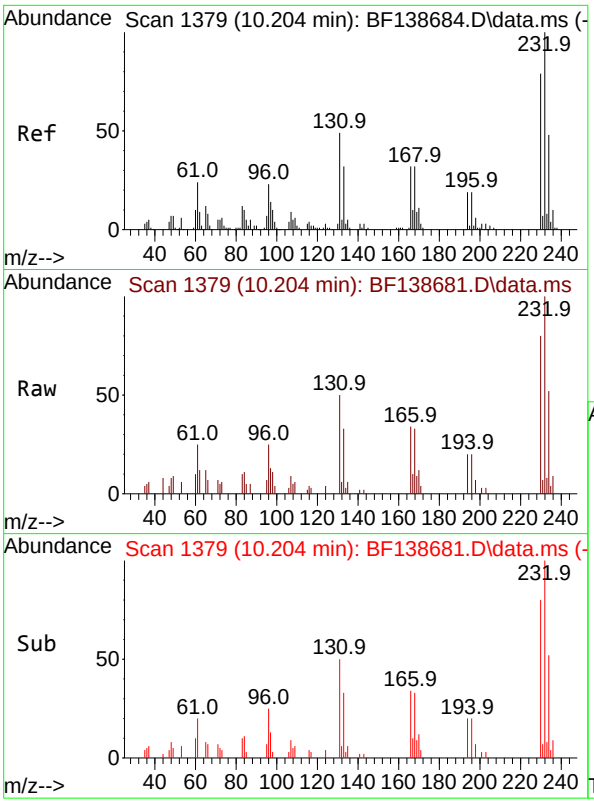


#58
Fluorene
Concen: 5.504 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:166 Resp: 54036

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.4	117.6
167	13.8	10.6	16.0



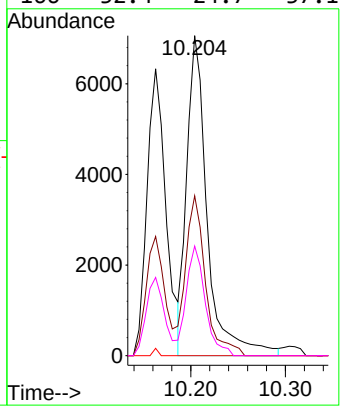


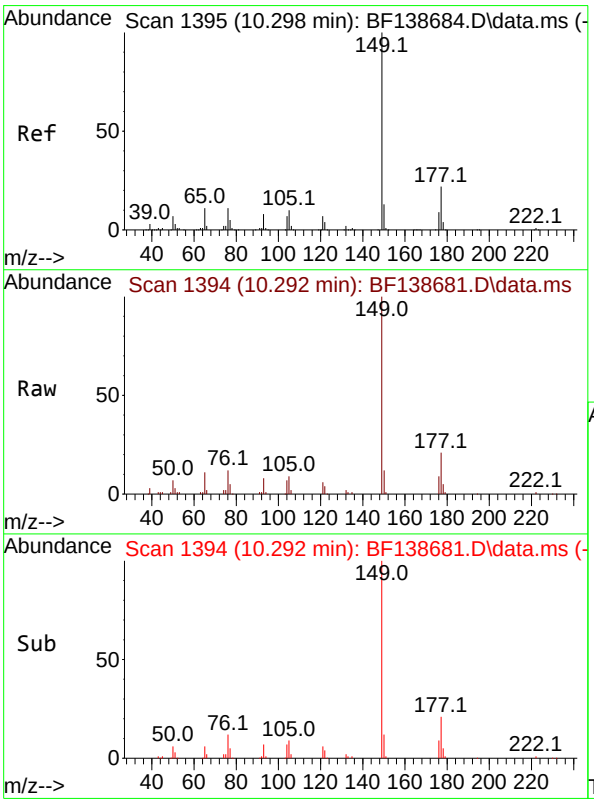
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.765 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 10608

Ion	Ratio	Lower	Upper
232	100		
131	49.5	37.0	55.4
130	0.0	2.0	3.0#
166	32.4	24.7	37.1

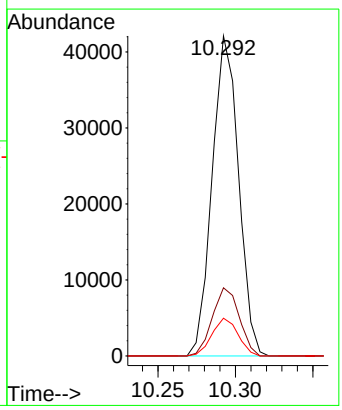


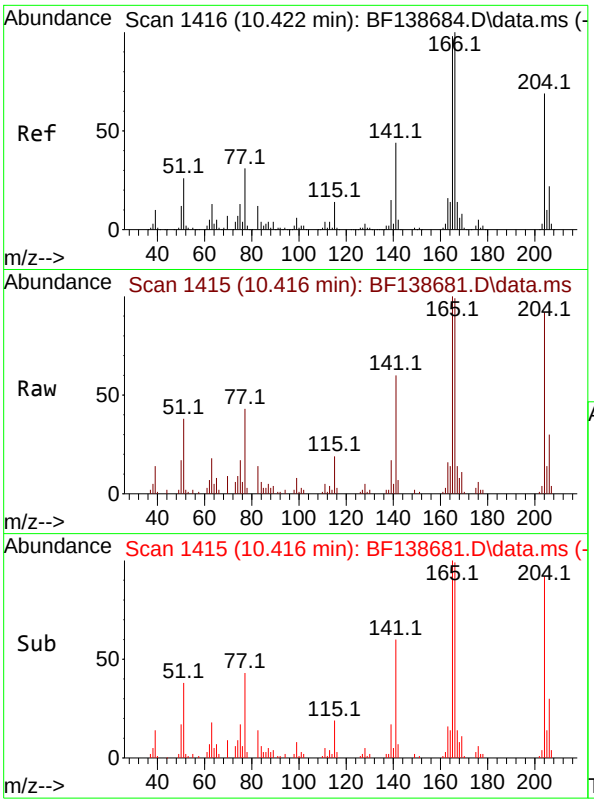


#60
Diethylphthalate
Concen: 5.228 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:149 Resp: 49851

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.8	26.8
150	11.8	10.1	15.1



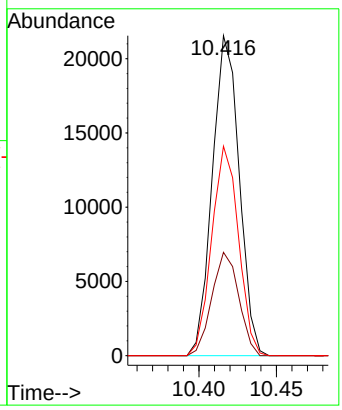


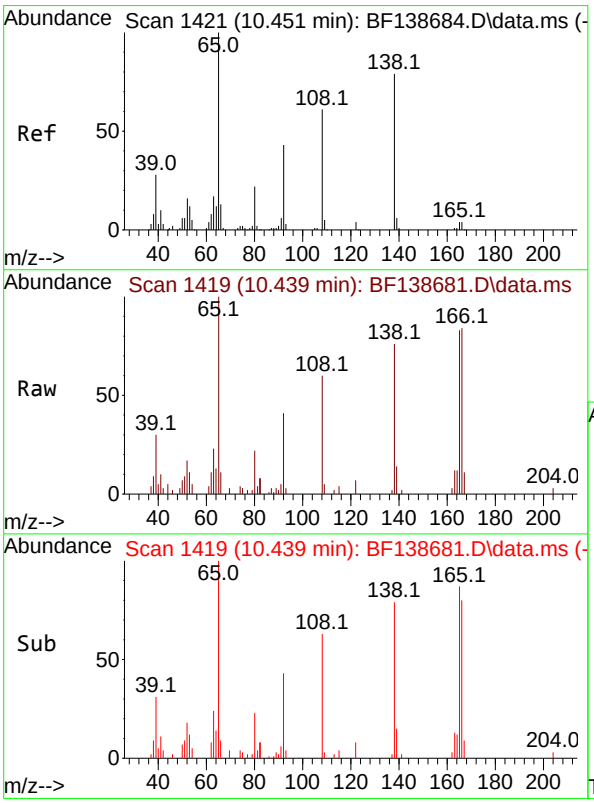
#61
4-Chlorophenyl-phenylether
Concen: 5.389 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 26020

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.1	39.1
141	65.5	51.4	77.0

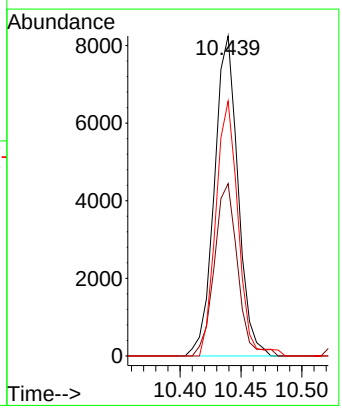


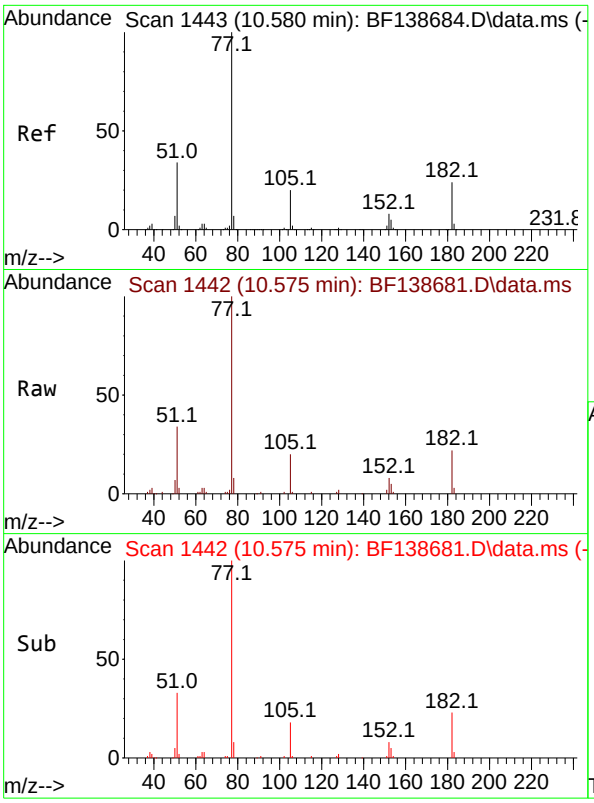


#62
4-Nitroaniline
Concen: 5.004 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:138 Resp: 11156

Ion	Ratio	Lower	Upper
138	100		
92	53.8	34.2	74.2
108	79.7	56.2	96.2



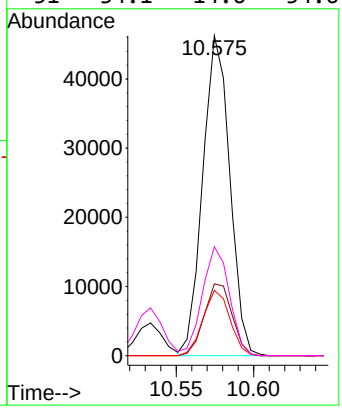


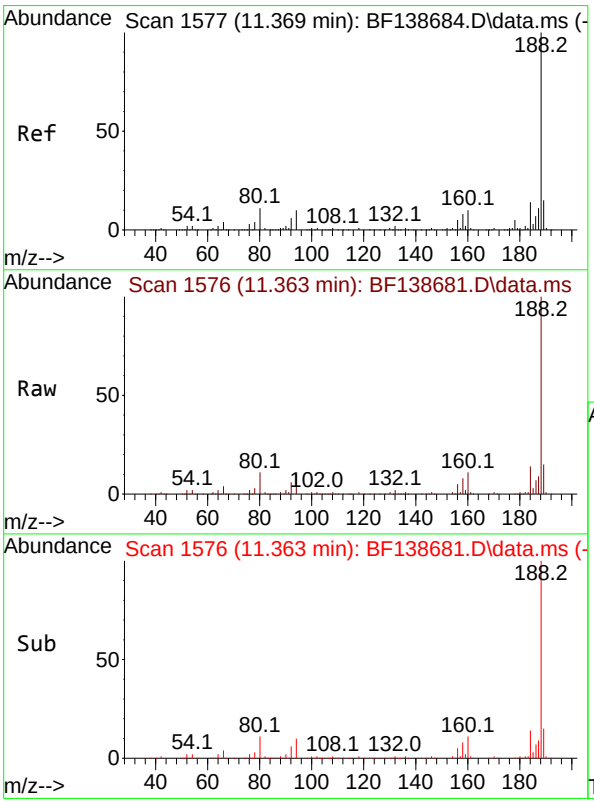
#63
Azobenzene
Concen: 5.304 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 56096

Ion	Ratio	Lower	Upper
77	100		
182	22.5	3.4	43.4
105	20.4	0.2	40.2
51	34.1	14.6	54.6

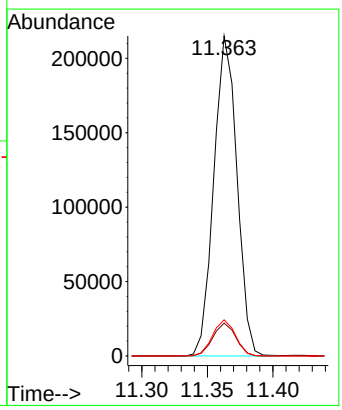


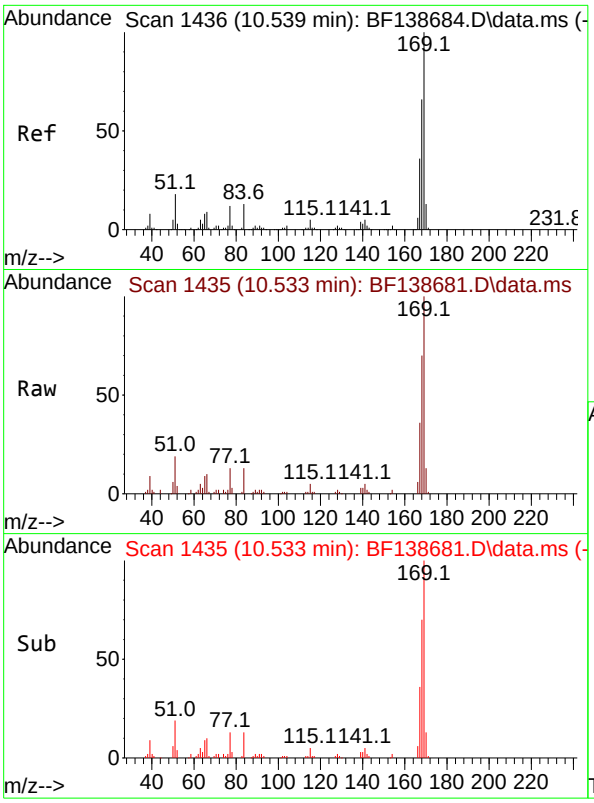


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:188 Resp: 264044

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.6	11.4
80	11.3	8.6	12.8



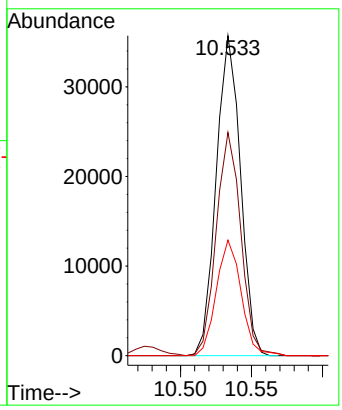


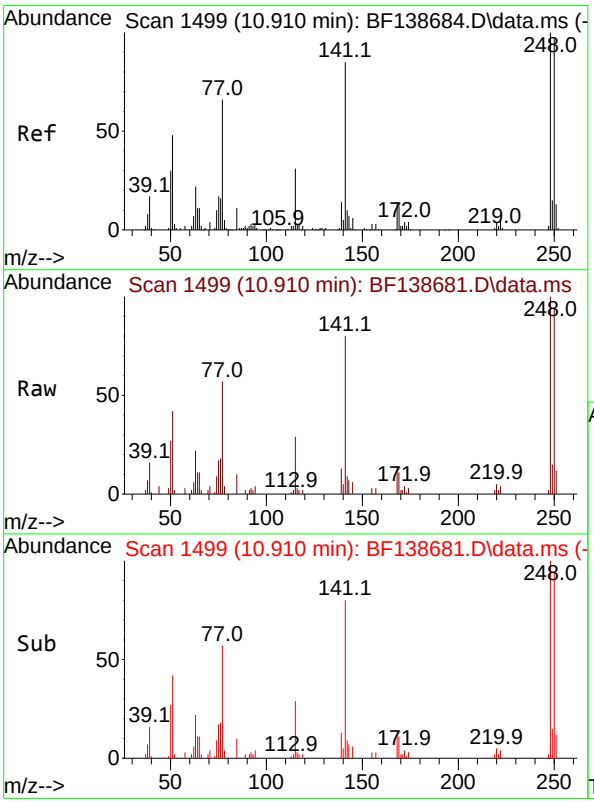
#66
n-Nitrosodiphenylamine
Concen: 5.138 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 42403

Ion	Ratio	Lower	Upper
169	100		
168	69.7	53.0	79.6
167	36.1	29.0	43.6

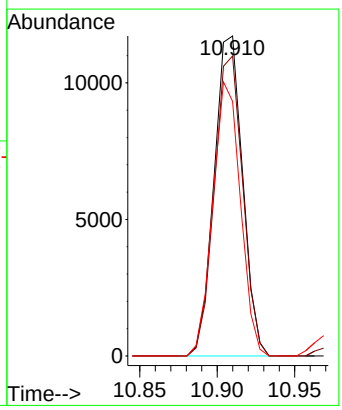


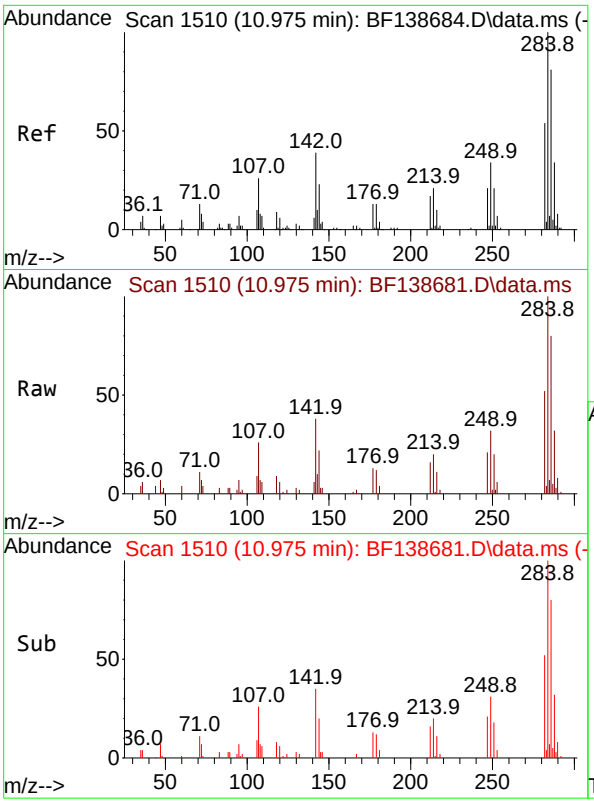


#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:248 Resp: 14996

Ion	Ratio	Lower	Upper
248	100		
250	93.7	77.7	116.5
141	79.6	68.0	102.0



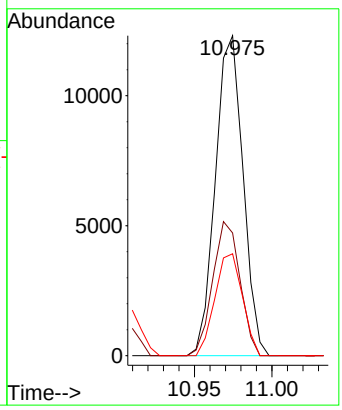


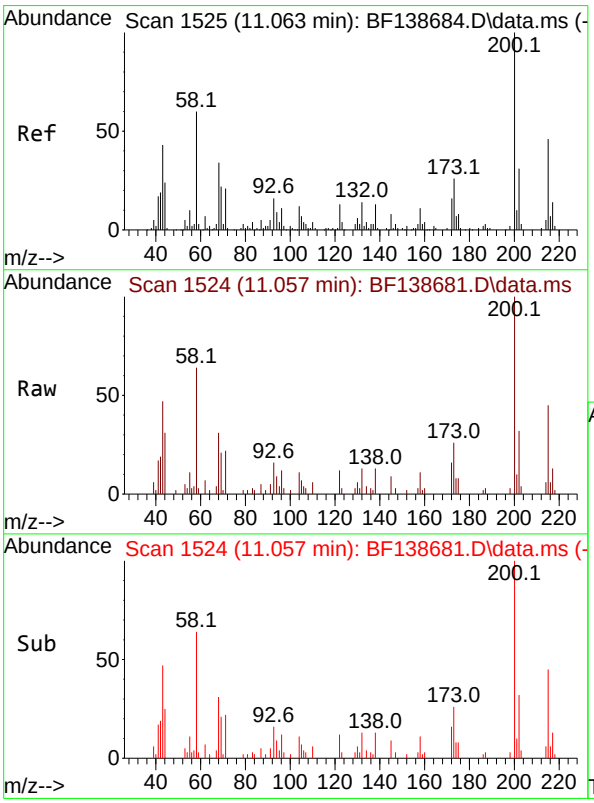
#68
Hexachlorobenzene
Concen: 5.173 ng
RT: 10.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 15270

Ion	Ratio	Lower	Upper
284	100		
142	38.4	31.3	46.9
249	31.8	27.2	40.8

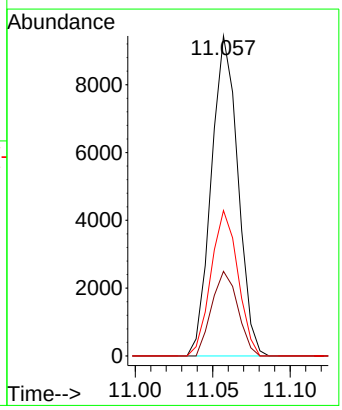


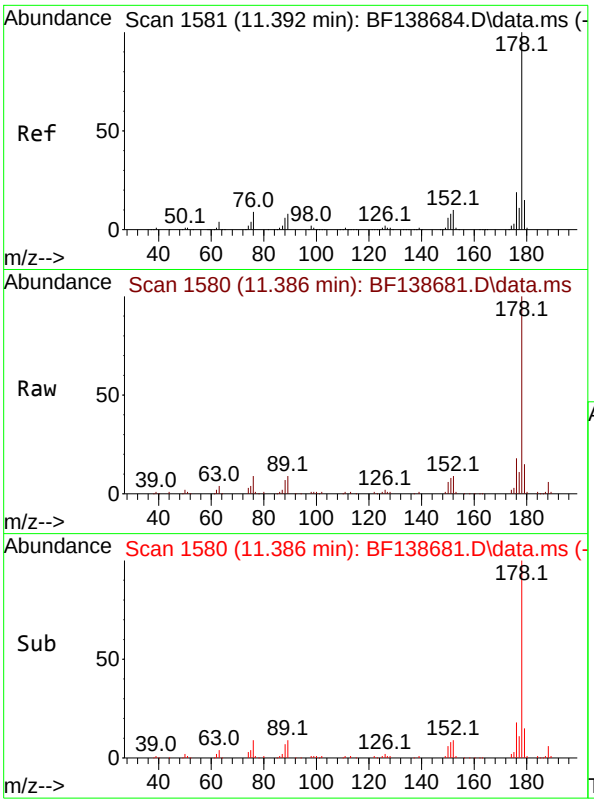


#69
Atrazine
Concen: 5.286 ng
RT: 11.057 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:200 Resp: 11256

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.0	46.0
215	45.4	26.1	66.1



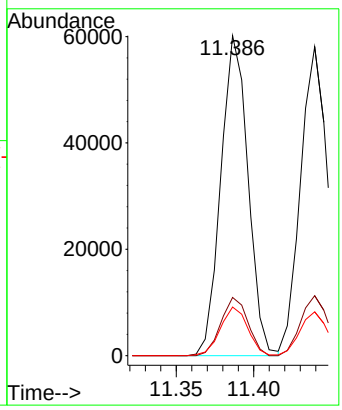


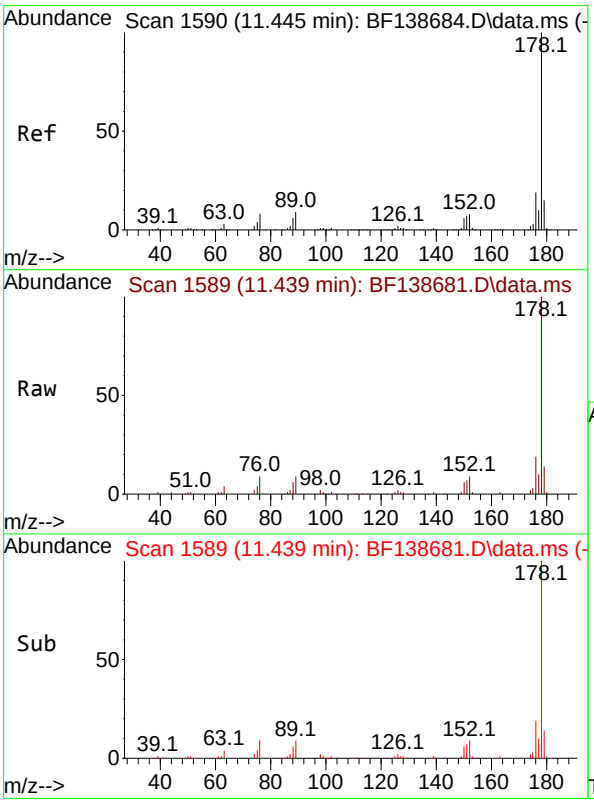
#71
Phenanthrene
Concen: 5.401 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 73432

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.2	12.2	18.2

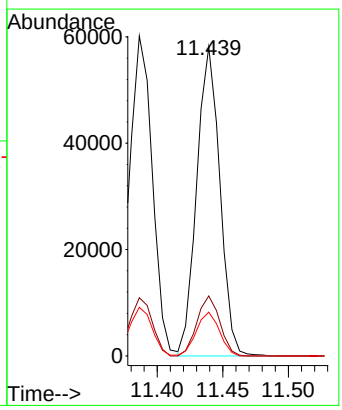


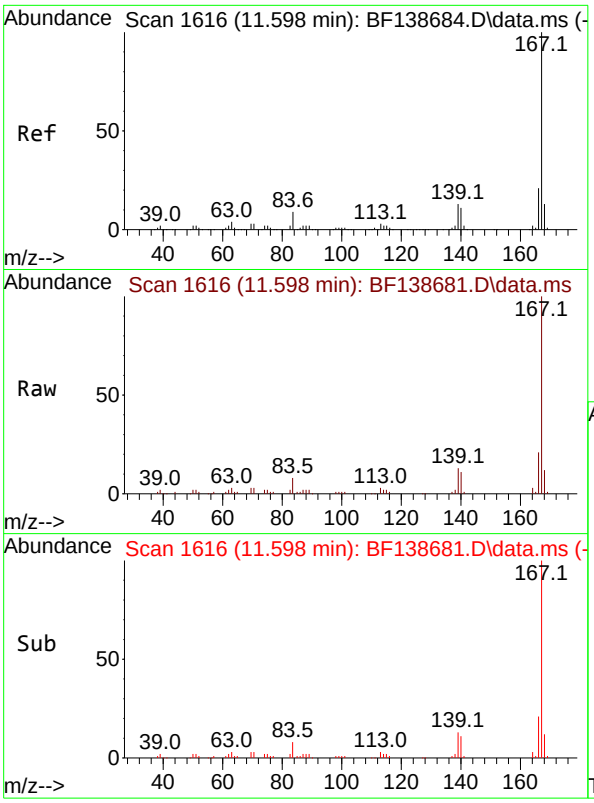


#72
Anthracene
Concen: 5.332 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:178 Resp: 71415

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.9	22.3
179	14.2	12.4	18.6



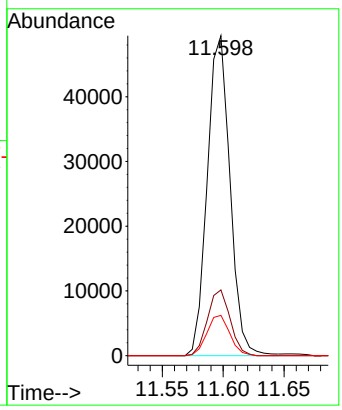


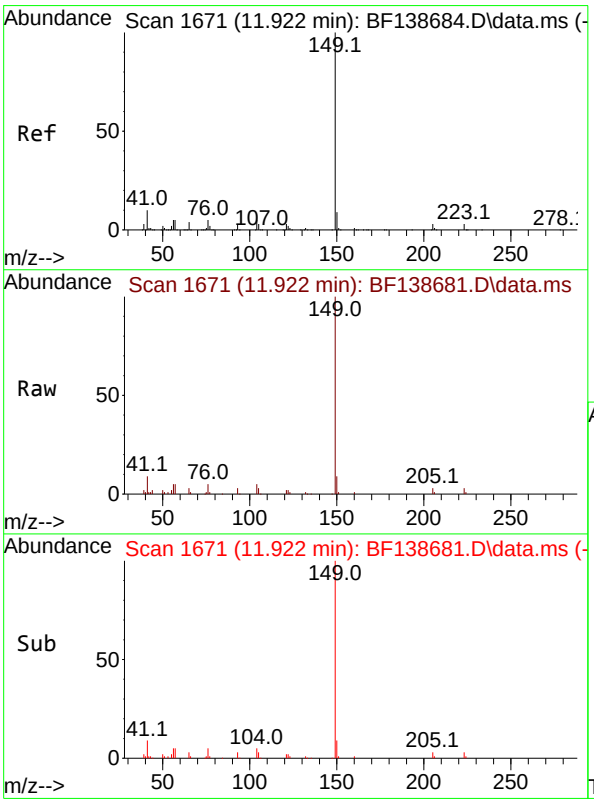
#73
Carbazole
Concen: 5.541 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 64031

Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.2	25.8
139	12.6	10.6	16.0

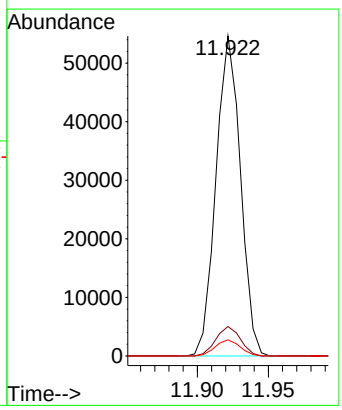


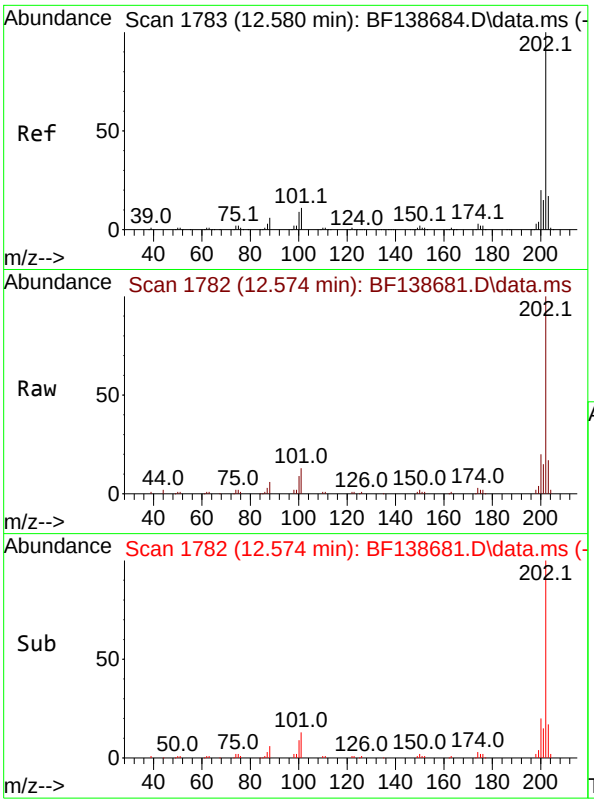


#74
Di-n-butylphthalate
Concen: 5.034 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:149 Resp: 65388

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.0	4.1	6.1



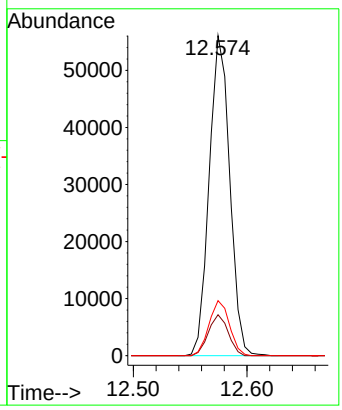


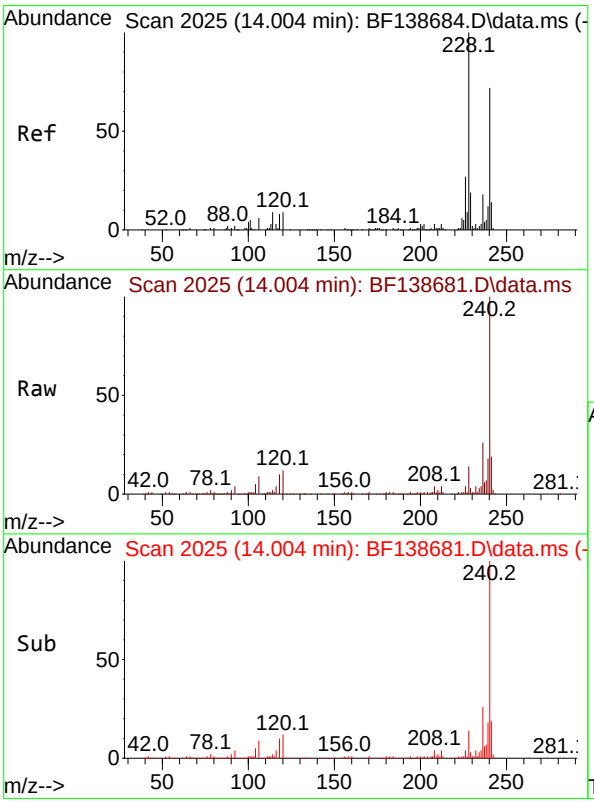
#75
Fluoranthene
Concen: 5.554 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 70499

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.2
203	17.2	0.0	37.3

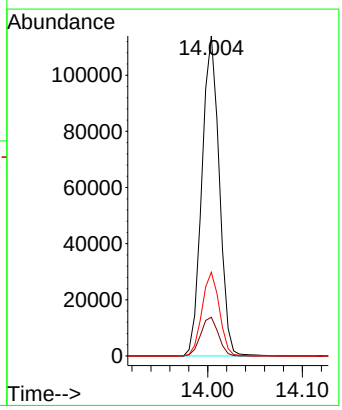


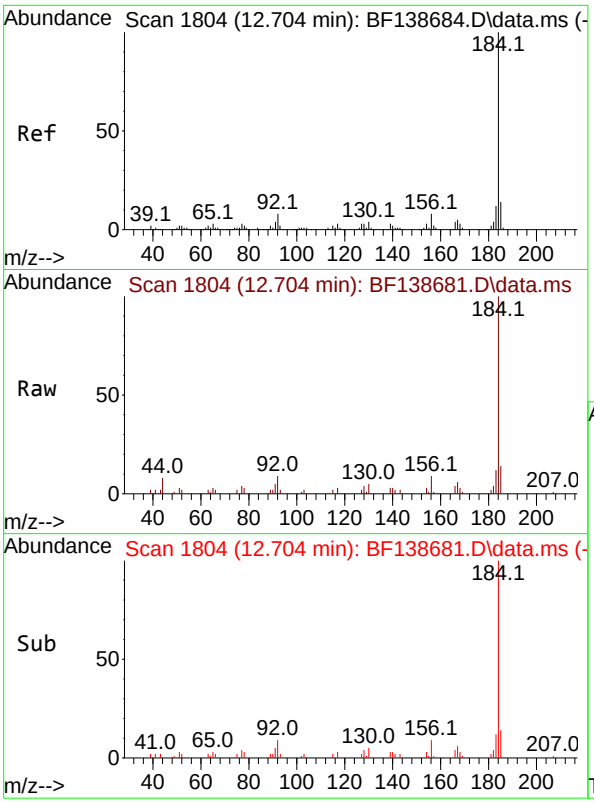


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:240 Resp: 144971

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.2	15.4
236	26.2	19.8	29.8



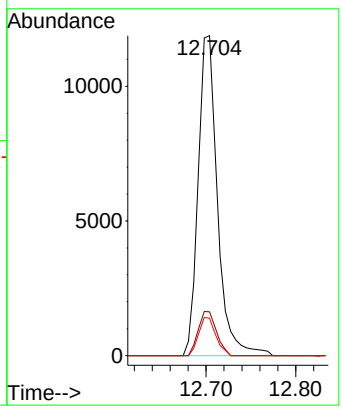


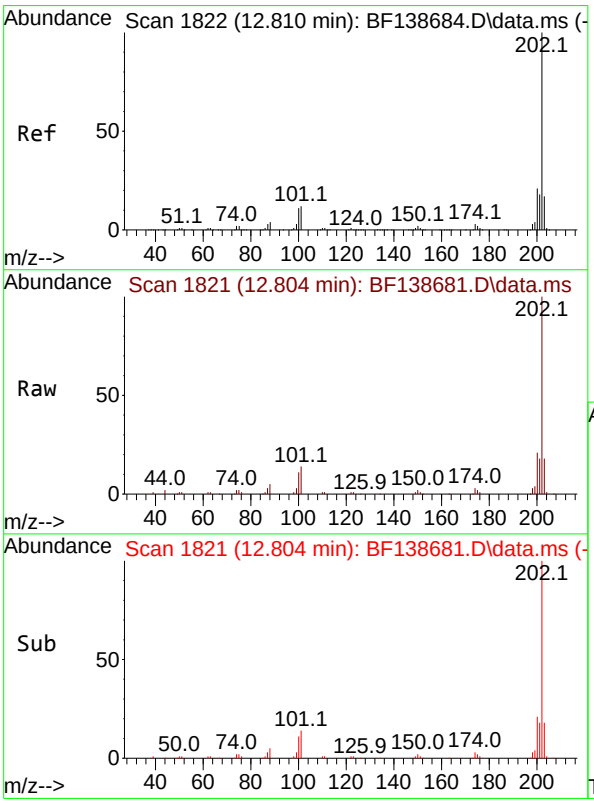
#77
Benzidine
Concen: 5.129 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 17784

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.1	16.7
183	11.7	9.6	14.4

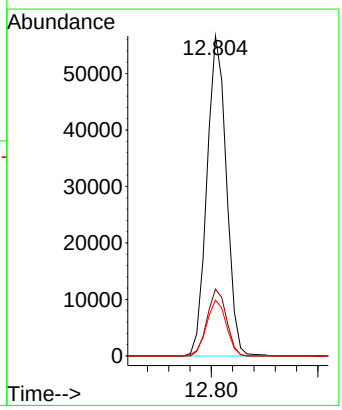


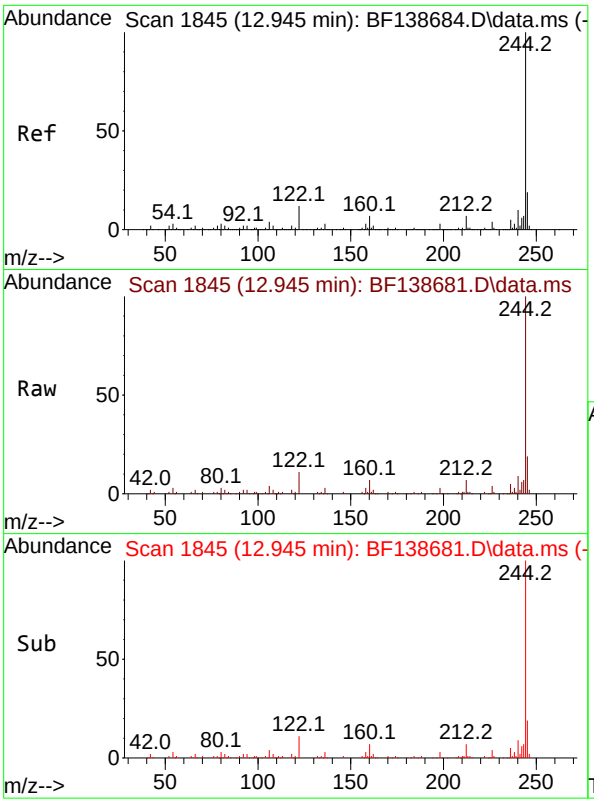


#78
Pyrene
Concen: 5.253 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:202 Resp: 71695

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.5	13.8	20.6



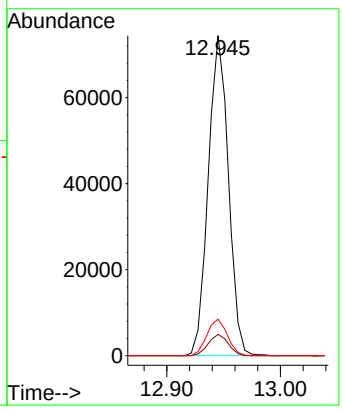


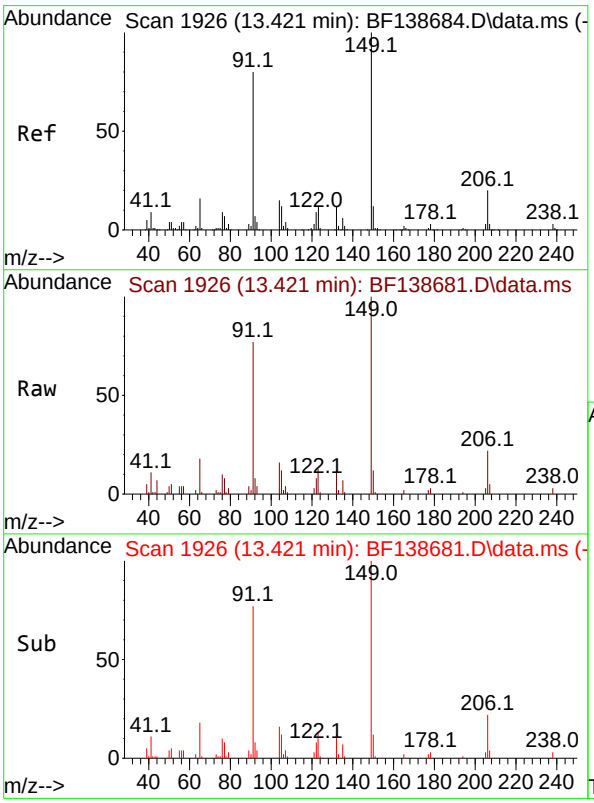
#79
Terphenyl-d14
Concen: 10.581 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 91621

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	11.4	9.6	14.4

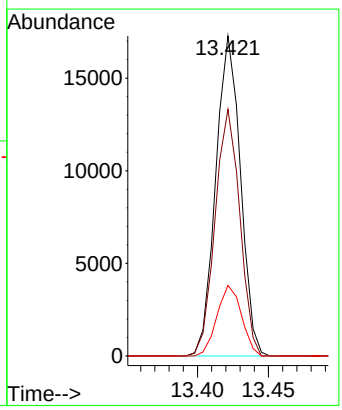


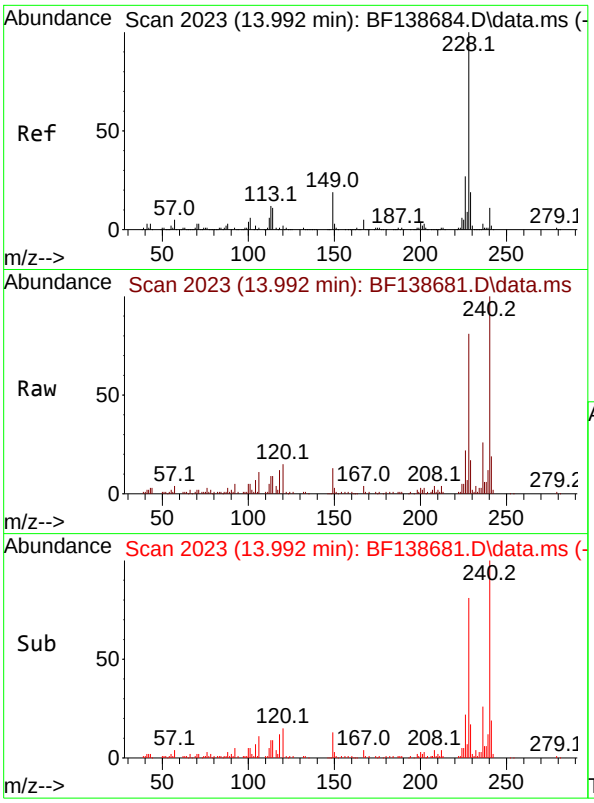


#80
Butylbenzylphthalate
Concen: 4.782 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:149 Resp: 20901

Ion	Ratio	Lower	Upper
149	100		
91	77.1	63.7	95.5
206	22.0	16.2	24.2



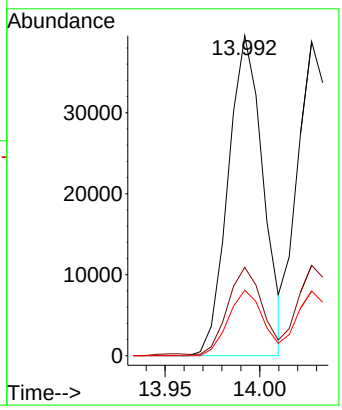


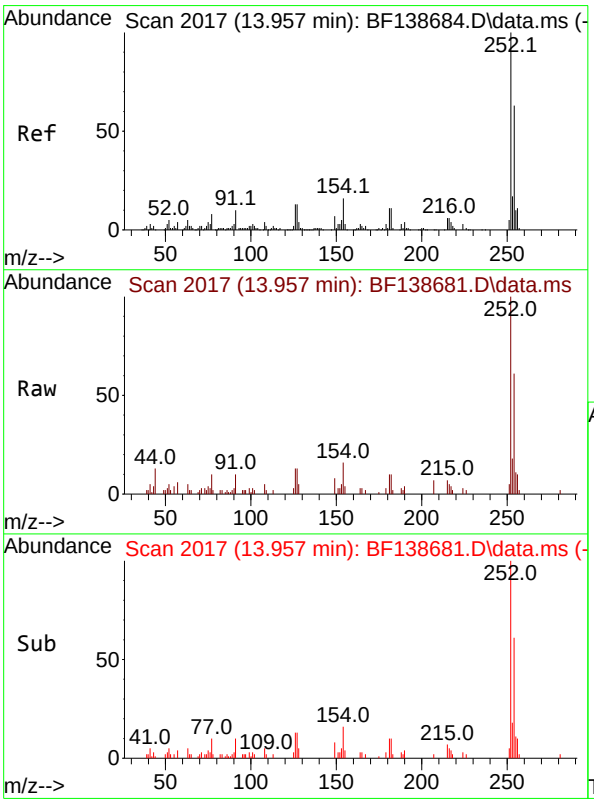
#81
Benzo(a)anthracene
Concen: 5.086 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 50774

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.5	15.4	23.0

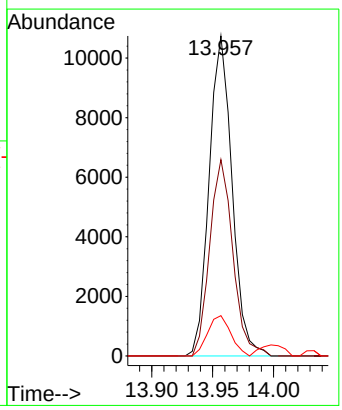


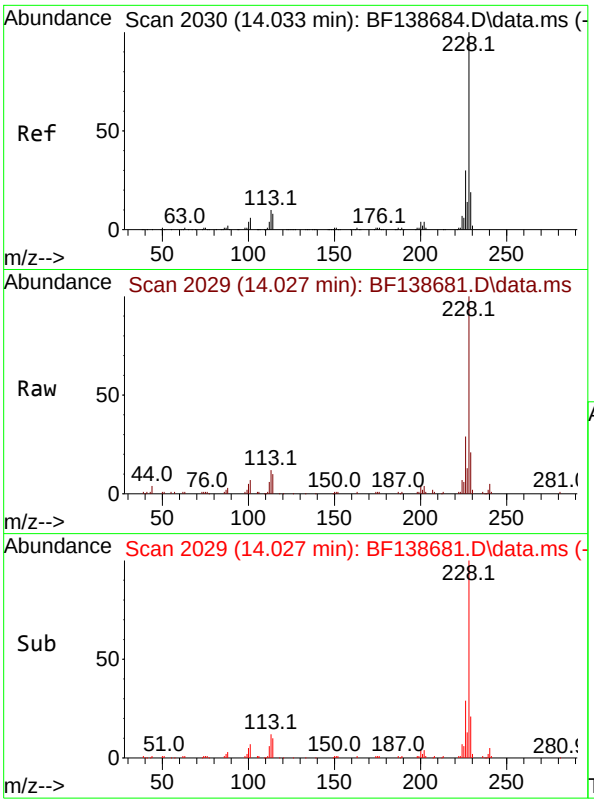


#82
3,3'-Dichlorobenzidine
Concen: 5.509 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:252 Resp: 14073

Ion	Ratio	Lower	Upper
252	100		
254	61.3	50.8	76.2
126	12.6	10.2	15.2



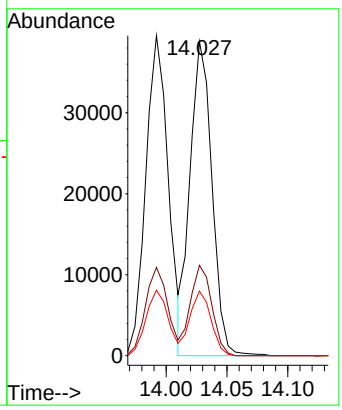


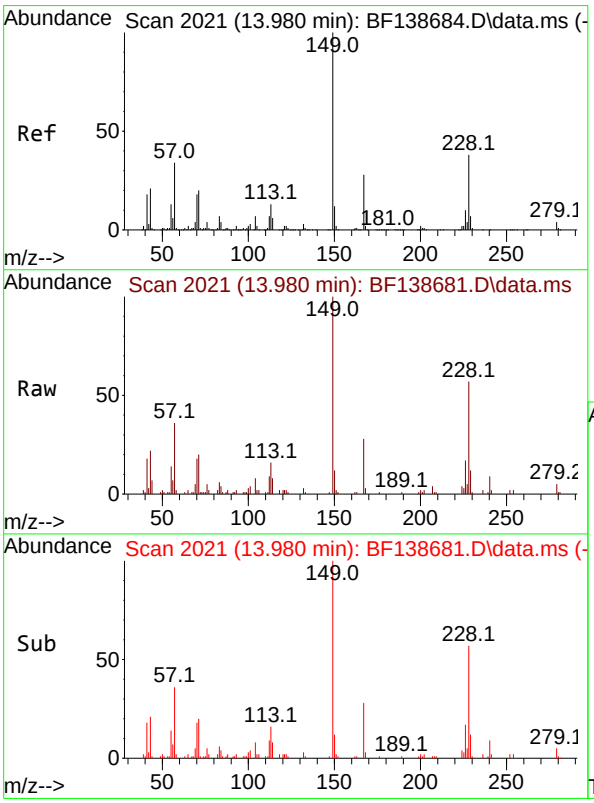
#83
Chrysene
Concen: 5.401 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 48647

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	20.6	15.0	22.6

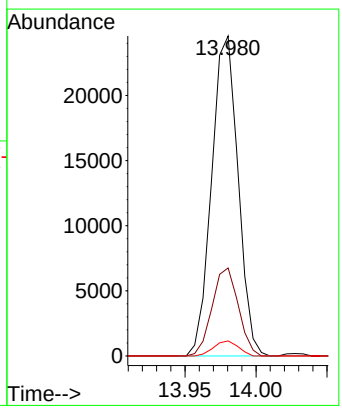


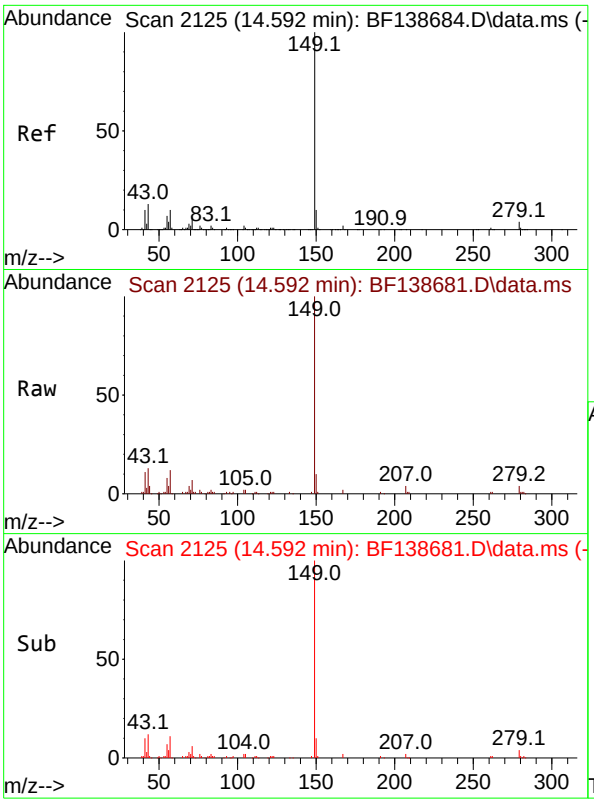


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.961 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:149 Resp: 31754

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.7	3.4	5.0



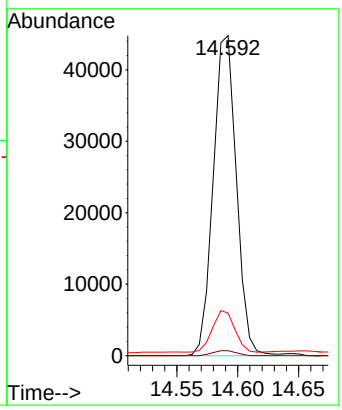


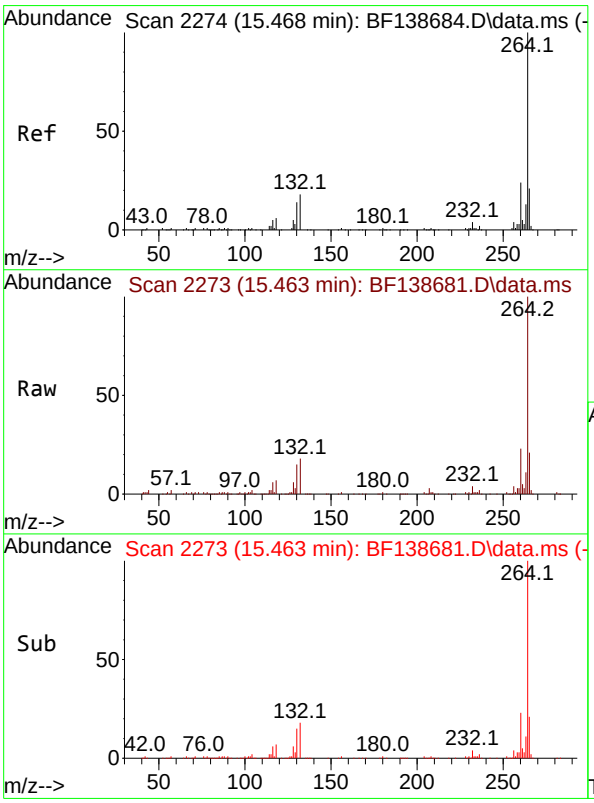
#85
Di-n-octyl phthalate
Concen: 5.011 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 59336

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.6	10.4	15.6

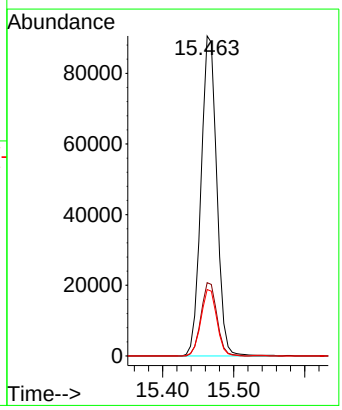


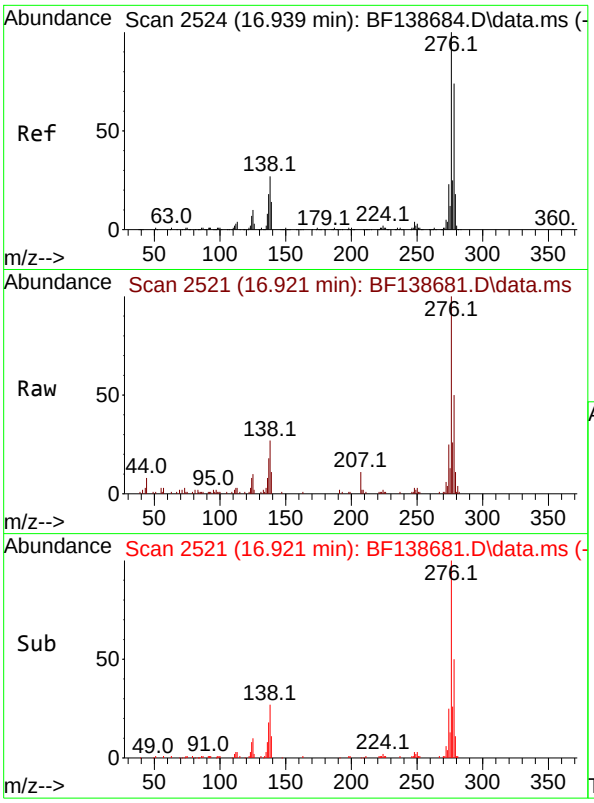


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:264 Resp: 139476

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.6
265	20.7	17.0	25.6



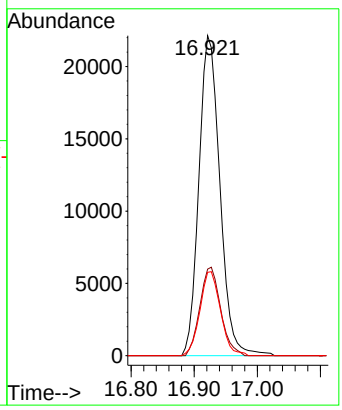


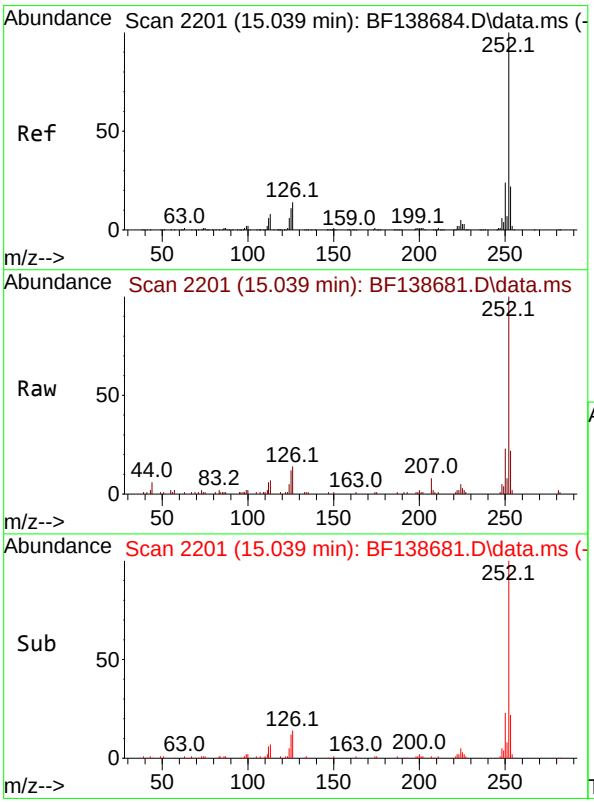
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.126 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 51232

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.8
277	25.7	20.6	30.8

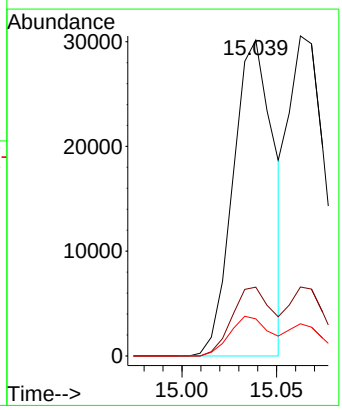


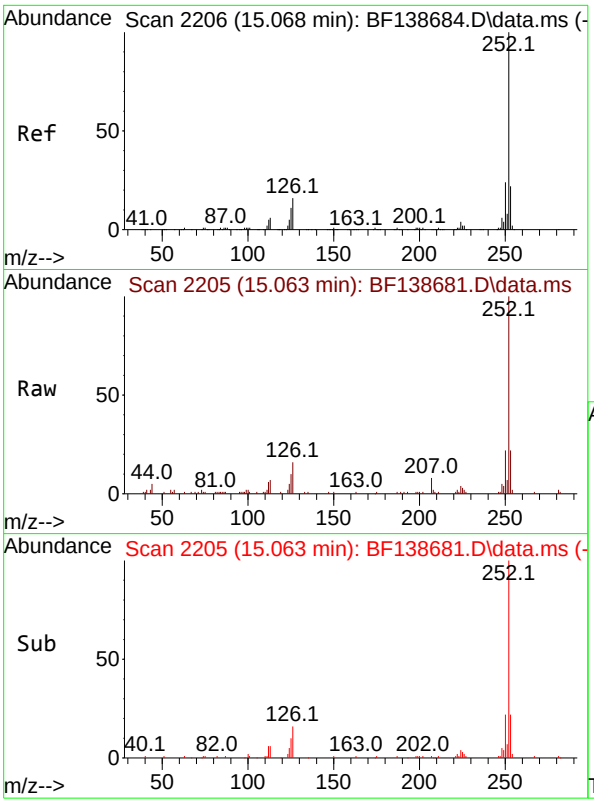


#88
Benzo(b)fluoranthene
Concen: 5.188 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:252 Resp: 44859

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.7	8.9	13.3



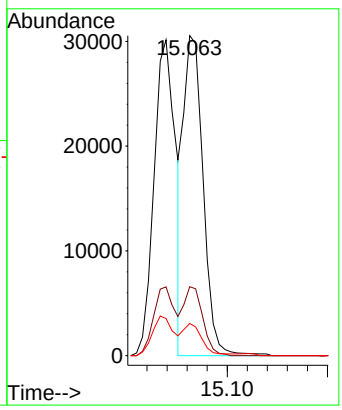


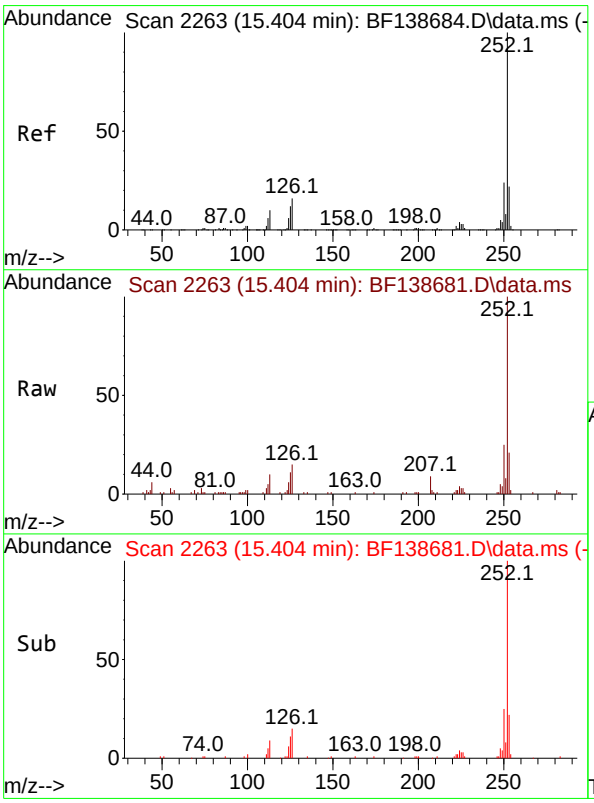
#89
Benzo(k)fluoranthene
Concen: 5.600 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 41920

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	10.1	8.6	13.0

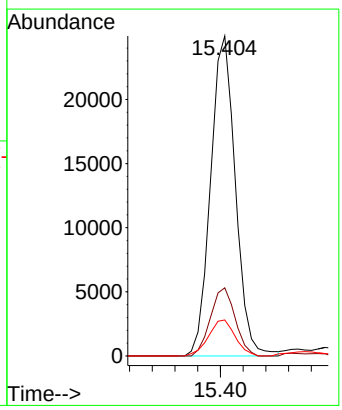


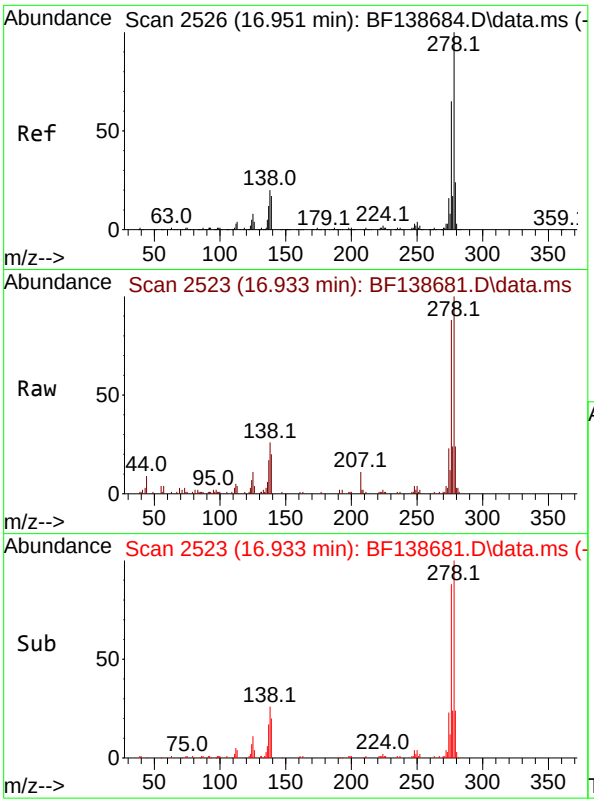


#90
Benzo(a)pyrene
Concen: 5.199 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:252 Resp: 37810

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	11.2	9.5	14.3



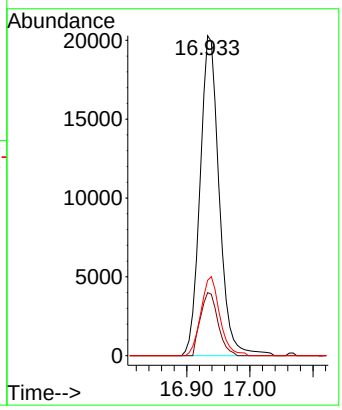


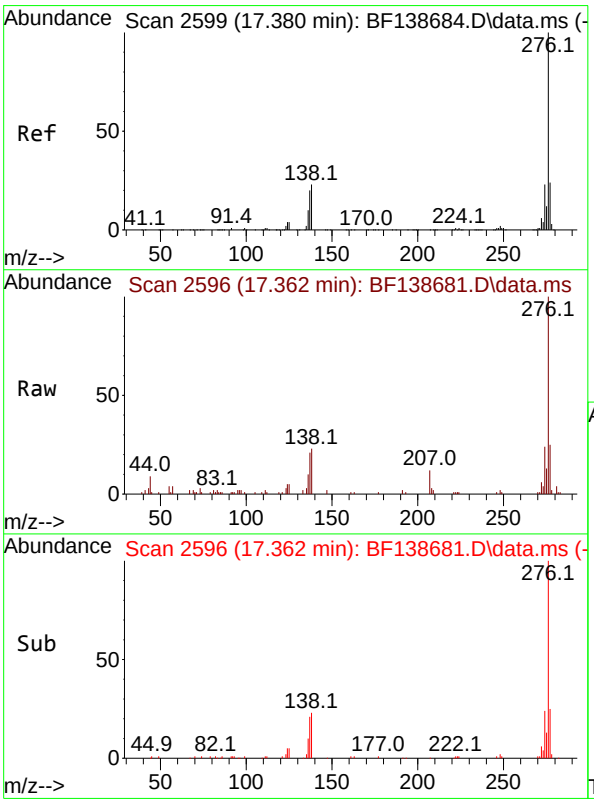
#91
Dibenzo(a,h)anthracene
Concen: 5.209 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 42736

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.0	21.0
279	23.5	19.0	28.4

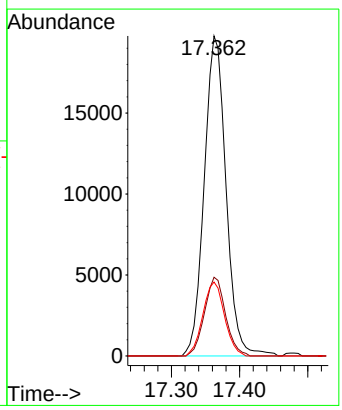




#92
Benzo(g,h,i)perylene
Concen: 5.165 ng
RT: 17.362 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:276 Resp: 43978

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.1	18.5	27.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138682.D
Acq On : 30 Jul 2024 13:56
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	73349	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	297904	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	162245	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	269225	20.000	ng		0.00
76) Chrysene-d12	14.004	240	146258	20.000	ng		0.00
86) Perylene-d12	15.468	264	137026	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	100297	21.108	ng		0.00
7) Phenol-d6	6.475	99	133232	20.884	ng		-0.01
23) Nitrobenzene-d5	7.404	82	123997	20.350	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	26595	20.011	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	231000	21.392	ng		0.00
79) Terphenyl-d14	12.945	244	185079	21.187	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	20339	9.777	ng		95
3) Pyridine	3.357	79	50057	9.933	ng		98
4) n-Nitrosodimethylamine	3.287	42	29962	9.983	ng	#	98
6) Aniline	6.504	93	59629	10.481	ng		94
8) 2-Chlorophenol	6.628	128	51997	10.401	ng		97
9) Benzaldehyde	6.398	77	41047	10.733	ng		99
10) Phenol	6.492	94	71371	10.626	ng		92
11) bis(2-Chloroethyl)ether	6.575	93	54121	10.471	ng		99
12) 1,3-Dichlorobenzene	6.787	146	59006	10.544	ng		98
13) 1,4-Dichlorobenzene	6.863	146	59226	10.487	ng		97
14) 1,2-Dichlorobenzene	7.016	146	55425	10.501	ng		98
15) Benzyl Alcohol	6.987	79	47206	10.267	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.116	45	94469	10.620	ng		97
17) 2-Methylphenol	7.098	107	42323	10.252	ng		97
18) Hexachloroethane	7.351	117	22530	10.598	ng		97
19) n-Nitroso-di-n-propyla...	7.245	70	39862	10.345	ng		99
20) 3+4-Methylphenols	7.251	107	56989	10.760	ng		97
22) Acetophenone	7.251	105	75892	10.404	ng		99
24) Nitrobenzene	7.422	77	63020	10.164	ng		98
25) Isophorone	7.663	82	105784	10.167	ng		99
26) 2-Nitrophenol	7.739	139	26149	9.803	ng		96
27) 2,4-Dimethylphenol	7.781	122	32386	10.147	ng		98
28) bis(2-Chloroethoxy)met...	7.875	93	64569	10.191	ng		99
29) 2,4-Dichlorophenol	7.987	162	41138	10.031	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	48272	10.199	ng		98
31) Naphthalene	8.145	128	164167	10.469	ng		99
32) Benzoic acid	7.875	122	20318m	8.102	ng		
33) 4-Chloroaniline	8.198	127	54003	10.260	ng		98
34) Hexachlorobutadiene	8.263	225	29309	10.224	ng		98
35) Caprolactam	8.539	113	12474	10.193	ng		93
36) 4-Chloro-3-methylphenol	8.681	107	47584	10.152	ng		96
37) 2-Methylnaphthalene	8.839	142	104097	10.511	ng		99
38) 1-Methylnaphthalene	8.934	142	102100	10.521	ng		100
40) 1,2,4,5-Tetrachloroben...	9.004	216	45439	10.082	ng		98
41) Hexachlorocyclopentadiene	8.986	237	5161	10.915	ng		96
43) 2,4,6-Trichlorophenol	9.116	196	27439	9.985	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138682.D
Acq On : 30 Jul 2024 13:56
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	30782	10.247	ng		97
46) 1,1'-Biphenyl	9.298	154	132668	10.441	ng		99
47) 2-Chloronaphthalene	9.328	162	97850	10.354	ng		97
48) 2-Nitroaniline	9.422	65	32731	10.216	ng		97
49) Acenaphthylene	9.739	152	141438	10.552	ng		99
50) Dimethylphthalate	9.598	163	105187	10.139	ng		100
51) 2,6-Dinitrotoluene	9.663	165	23351	9.974	ng		95
52) Acenaphthene	9.910	154	95143	10.560	ng		98
53) 3-Nitroaniline	9.833	138	24353	10.062	ng		99
54) 2,4-Dinitrophenol	9.951	184	7908	7.337	ng		88
55) Dibenzofuran	10.080	168	136302	10.717	ng		99
56) 4-Nitrophenol	10.004	139	12643	8.687	ng		95
57) 2,4-Dinitrotoluene	10.069	165	30462	10.198	ng		99
58) Fluorene	10.428	166	107585	10.622	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	22672	9.872	ng	#	94
60) Diethylphthalate	10.298	149	102108	10.381	ng		99
61) 4-Chlorophenyl-phenyle...	10.416	204	53870	10.814	ng		99
62) 4-Nitroaniline	10.439	138	23653	10.284	ng		98
63) Azobenzene	10.575	77	112880	10.347	ng		99
65) 4,6-Dinitro-2-methylph...	10.475	198	14344	8.733	ng		96
66) n-Nitrosodiphenylamine	10.533	169	86813	10.316	ng		100
67) 4-Bromophenyl-phenylether	10.910	248	29510	10.124	ng		98
68) Hexachlorobenzene	10.975	284	31049	10.317	ng		96
69) Atrazine	11.063	200	23189	10.680	ng		96
70) Pentachlorophenol	11.175	266	10392	7.661	ng		93
71) Phenanthrene	11.392	178	149253	10.766	ng		99
72) Anthracene	11.439	178	145043	10.620	ng		99
73) Carbazole	11.598	167	126321	10.721	ng		100
74) Di-n-butylphthalate	11.922	149	133246	10.060	ng		99
75) Fluoranthene	12.580	202	140690	10.871	ng		99
77) Benzidine	12.704	184	35263	10.080	ng		100
78) Pyrene	12.810	202	143221	10.400	ng		99
80) Butylbenzylphthalate	13.421	149	41771	9.472	ng		99
81) Benzo(a)anthracene	13.998	228	105185	10.444	ng		97
82) 3,3'-Dichlorobenzidine	13.957	252	26584	10.314	ng		98
83) Chrysene	14.033	228	89780	9.881	ng		99
84) Bis(2-ethylhexyl)phtha...	13.980	149	61314	9.495	ng		98
85) Di-n-octyl phthalate	14.592	149	111460	9.329	ng		100
87) Indeno(1,2,3-cd)pyrene	16.933	276	100310	10.215	ng		99
88) Benzo(b)fluoranthene	15.039	252	93263	10.980	ng		99
89) Benzo(k)fluoranthene	15.068	252	71464	9.717	ng		99
90) Benzo(a)pyrene	15.404	252	71724	10.038	ng		98
91) Dibenzo(a,h)anthracene	16.945	278	84356	10.465	ng		97
92) Benzo(g,h,i)perylene	17.374	276	84564	10.110	ng		98

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

ICAL Form

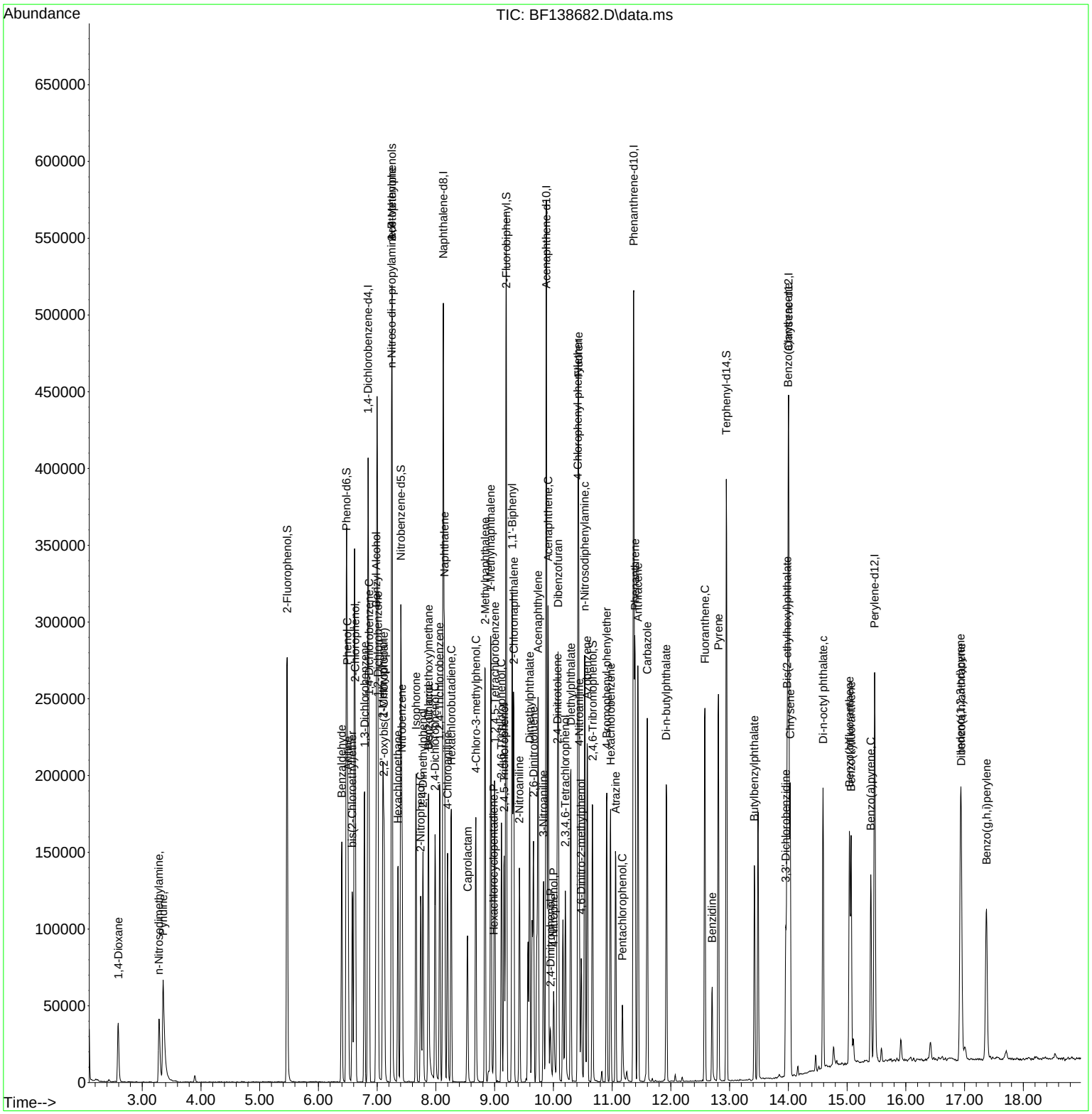
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138682.D
Acq On : 30 Jul 2024 13:56
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

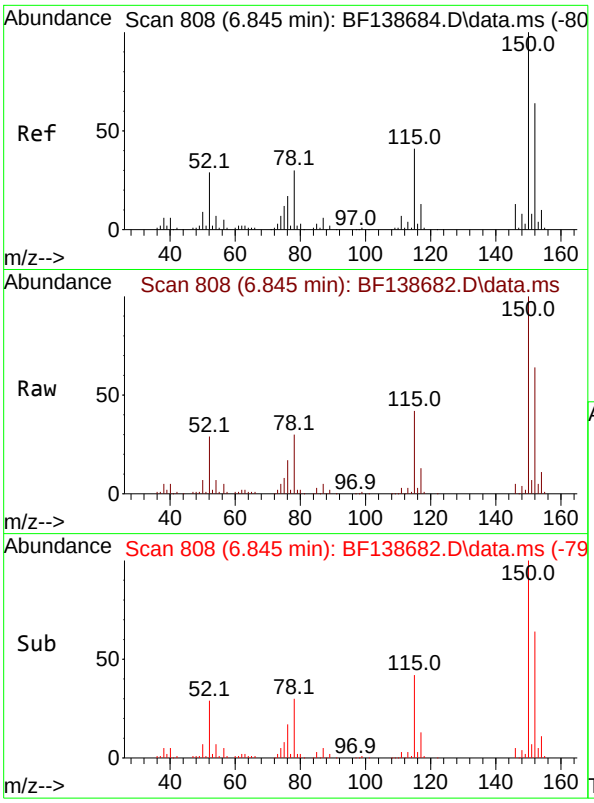
Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

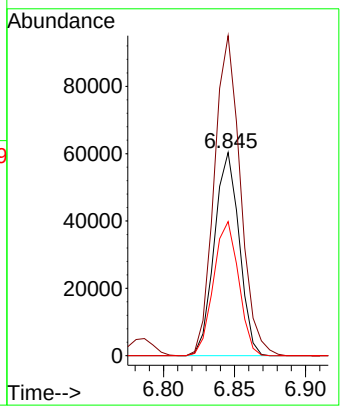




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:152 Resp: 7334

Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.0	189.0
115	66.0	51.7	77.5



Instrument :
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ClientSampleId :
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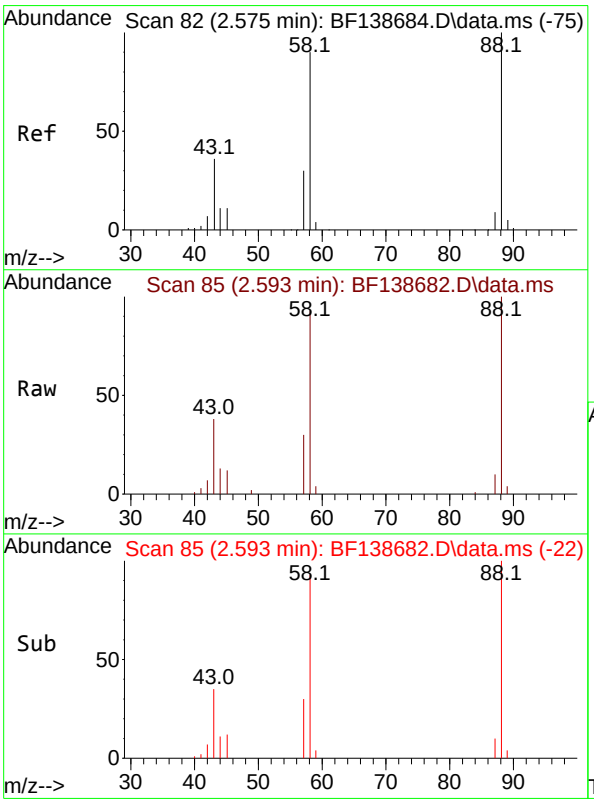
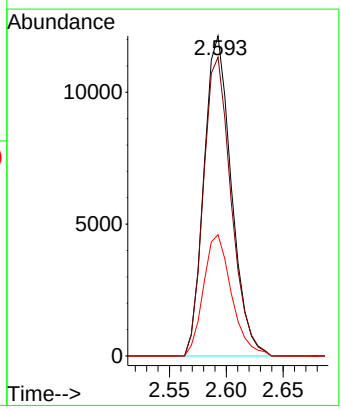
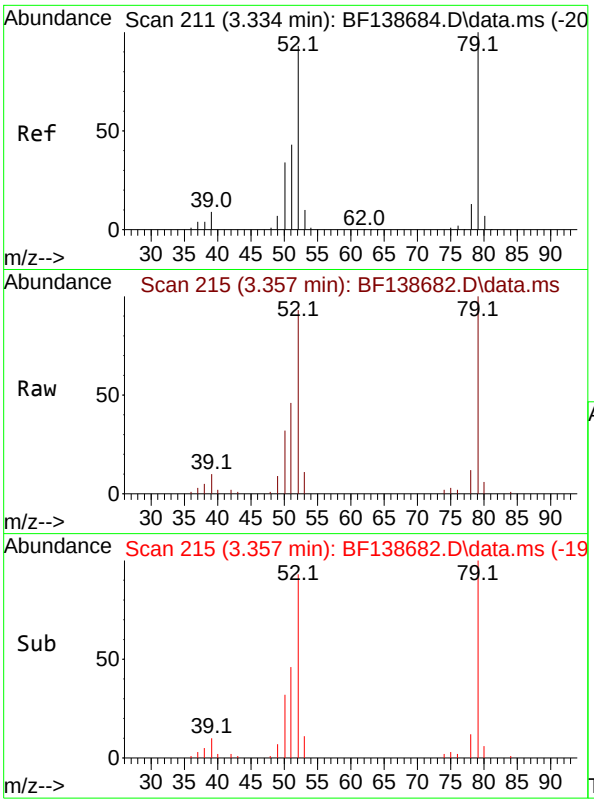


#2
1,4-Dioxane
Concen: 9.777 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 88 Resp: 20339

Ion	Ratio	Lower	Upper
88	100		
58	94.3	71.6	107.4
43	38.8	28.7	43.1

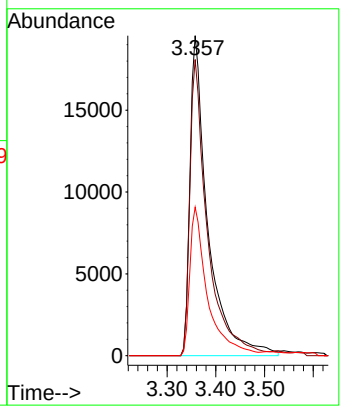




#3
Pyridine
Concen: 9.933 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 79 Resp: 5005

Ion	Ratio	Lower	Upper
79	100		
52	92.6	74.7	112.1
51	46.4	34.6	51.8



Instrument :
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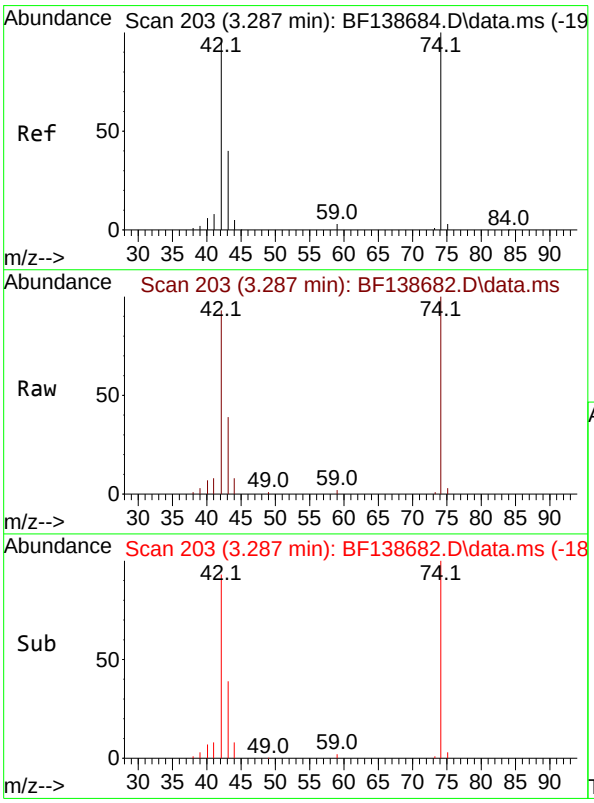
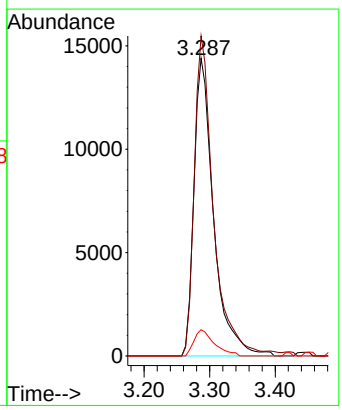
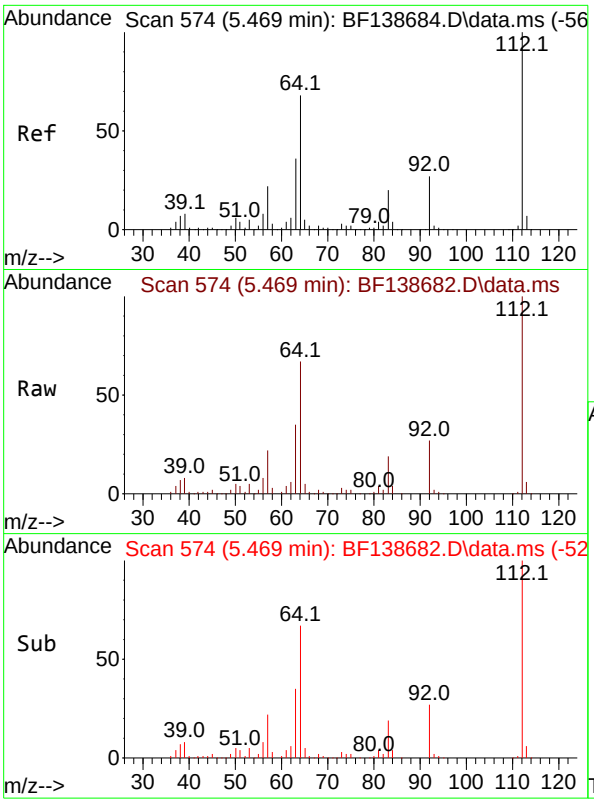


#4
n-Nitrosodimethylamine
Concen: 9.983 ng
RT: 3.287 min Scan# 203
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 42 Resp: 29962

Ion	Ratio	Lower	Upper
42	100		
74	107.5	84.2	126.4
44	8.8	4.9	7.3#

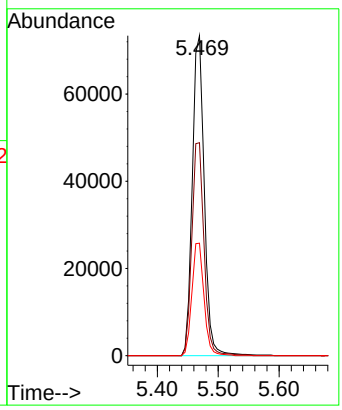




#5
2-Fluorophenol
Concen: 21.108 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:112 Resp: 10029

Ion	Ratio	Lower	Upper
112	100		
64	66.6	54.2	81.4
63	35.2	28.7	43.1



Instrument :
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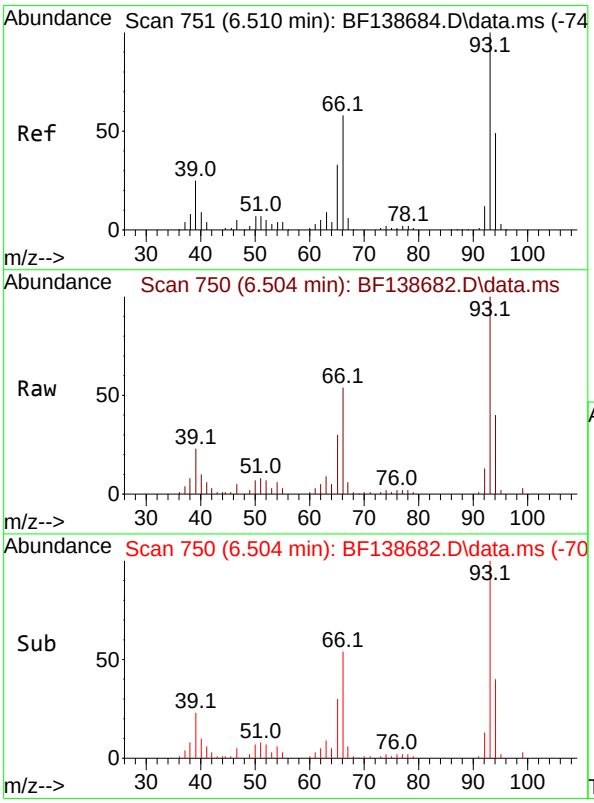
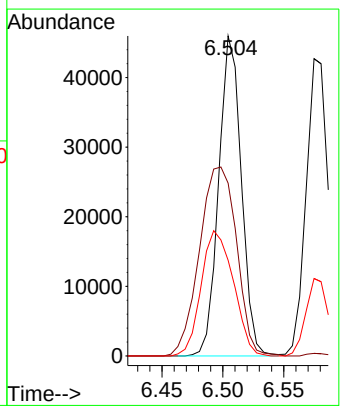
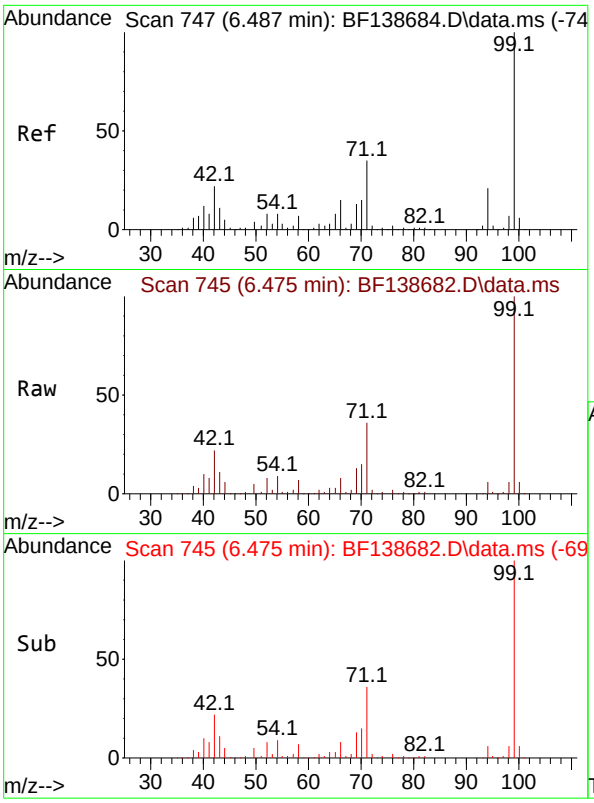


#6
Aniline
Concen: 10.481 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 59629

Ion	Ratio	Lower	Upper
93	100		
66	54.0	46.9	70.3
65	29.9	26.5	39.7

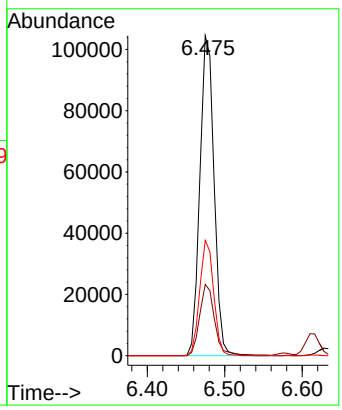




#7
Phenol-d6
Concen: 20.884 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 99 Resp: 13323

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.0
71	36.0	28.1	42.1



Instrument :
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ClientSampleId :
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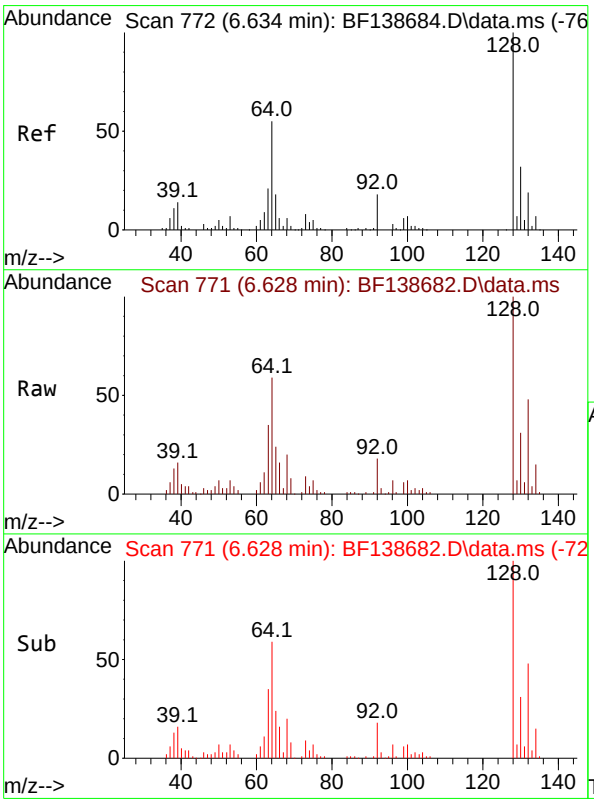
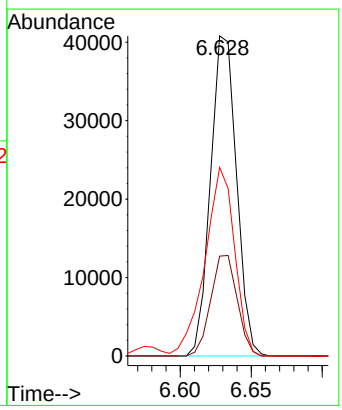
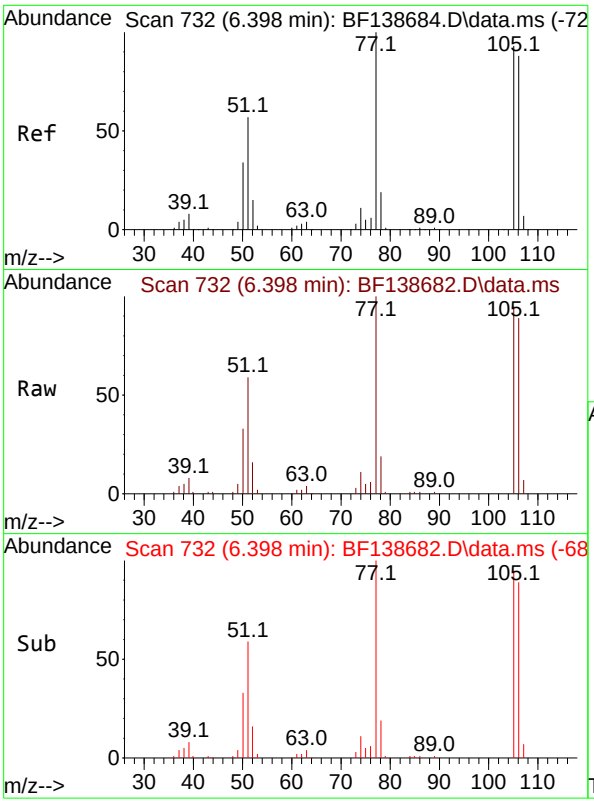


#8
2-Chlorophenol
Concen: 10.401 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:128 Resp: 51997

Ion	Ratio	Lower	Upper
128	100		
130	31.2	12.0	52.0
64	58.9	36.3	76.3

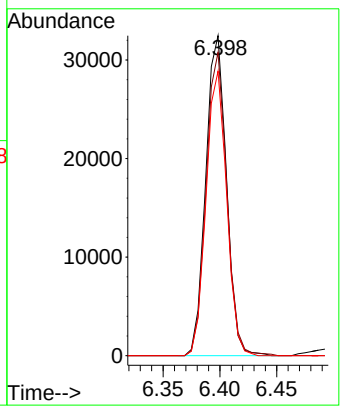




#9
Benzaldehyde
Concen: 10.733 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 4104

Ion	Ratio	Lower	Upper
77	100		
105	94.8	72.9	112.9
106	88.9	68.4	108.4



Instrument :
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ClientSampleId :
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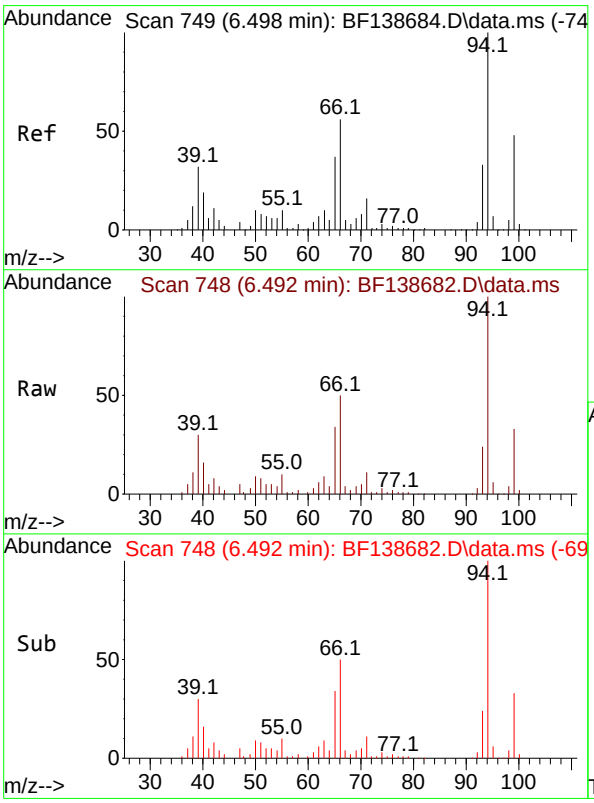
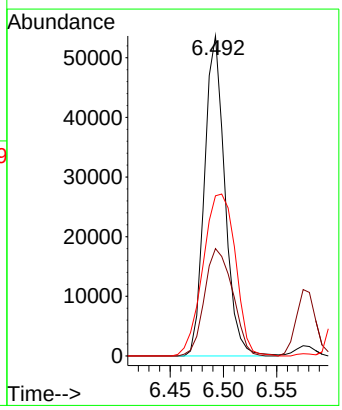
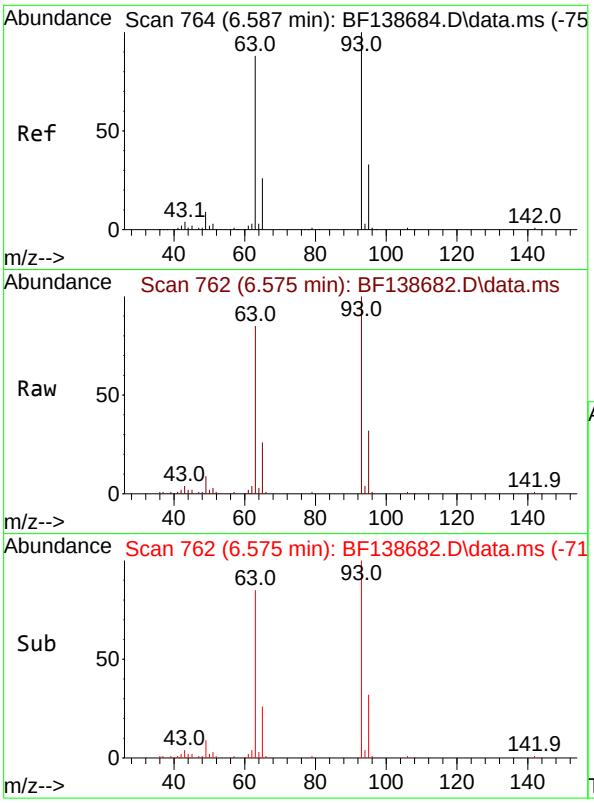


#10
Phenol
Concen: 10.626 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 94 Resp: 71371

Ion	Ratio	Lower	Upper
94	100		
65	33.6	16.9	56.9
66	50.1	36.5	76.5

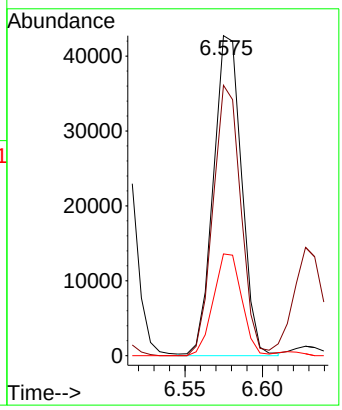




#11
bis(2-Chloroethyl)ether
Concen: 10.471 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 5412

Ion	Ratio	Lower	Upper
93	100		
63	84.5	65.3	105.3
95	31.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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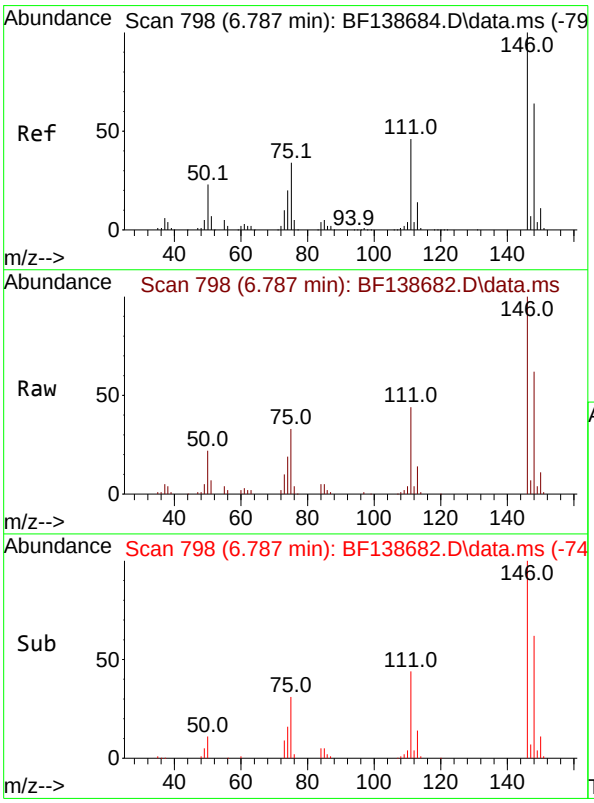
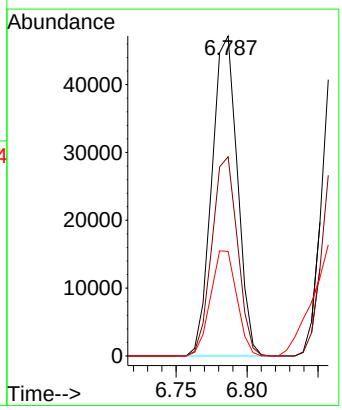
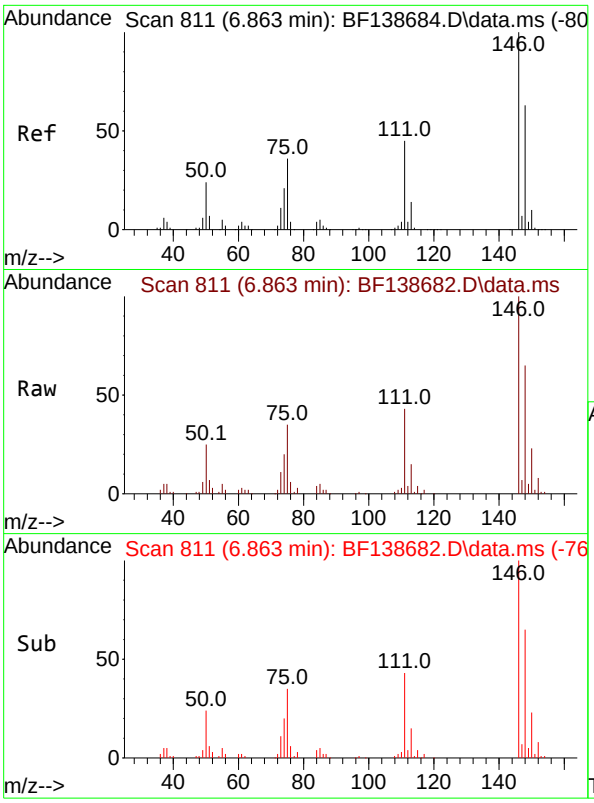


#12
1,3-Dichlorobenzene
Concen: 10.544 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 59006

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.2	76.8
75	32.6	27.4	41.2

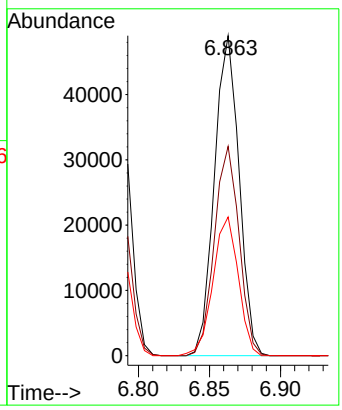




#13
1,4-Dichlorobenzene
Concen: 10.487 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 5922

Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.2	75.2
111	43.4	35.9	53.9



Instrument :
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ClientSampleId :
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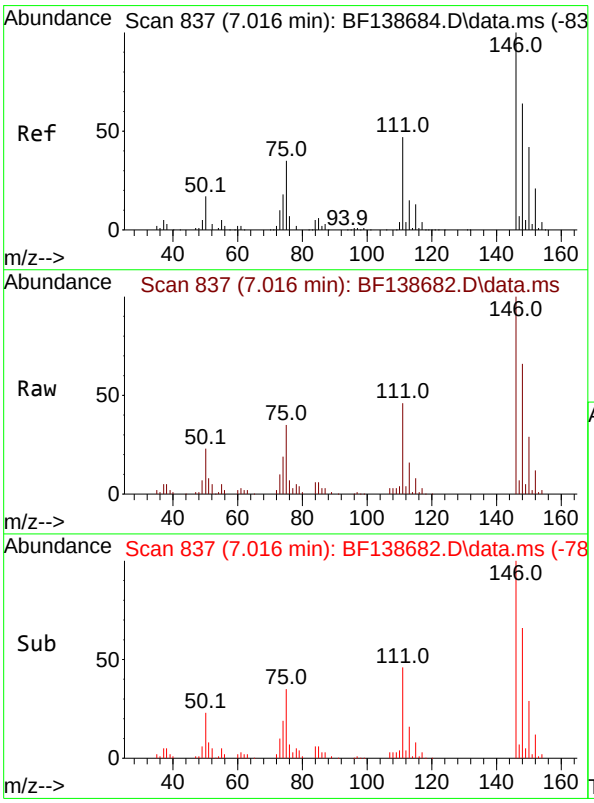
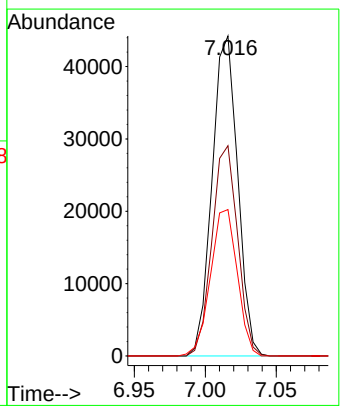
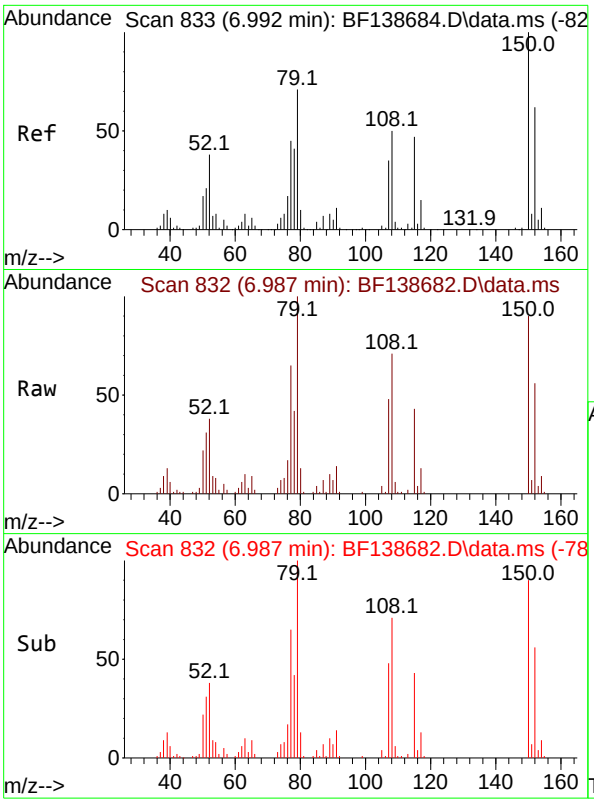


#14
1,2-Dichlorobenzene
Concen: 10.501 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 55425

Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.8	76.2
111	45.7	37.4	56.2

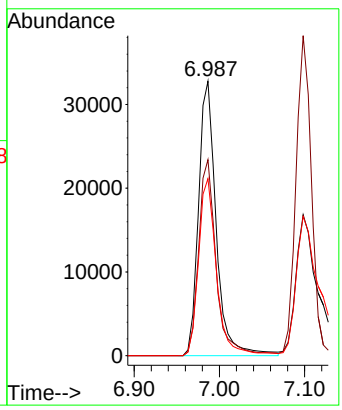




#15
Benzyl Alcohol
Concen: 10.267 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 79 Resp: 4720

Ion	Ratio	Lower	Upper
79	100		
108	71.4	56.6	85.0
77	64.6	50.3	75.5



Instrument :
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ClientSampleId :
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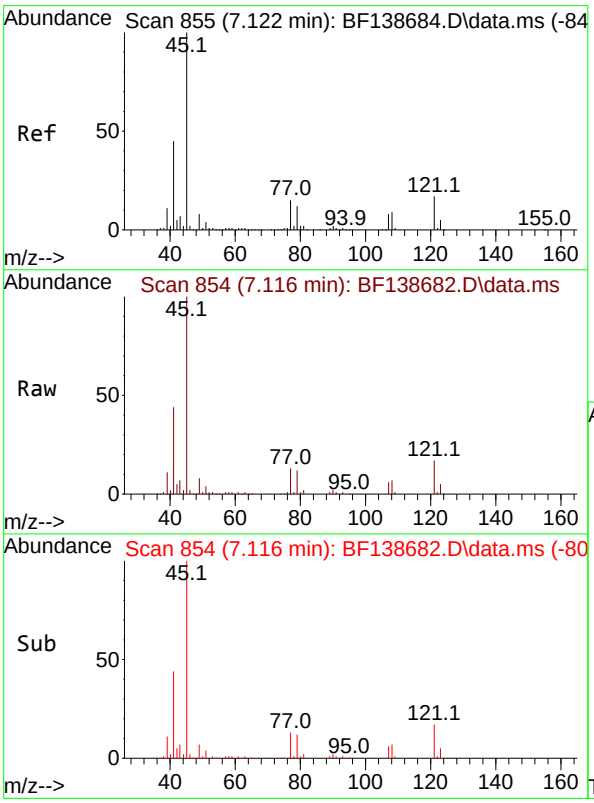
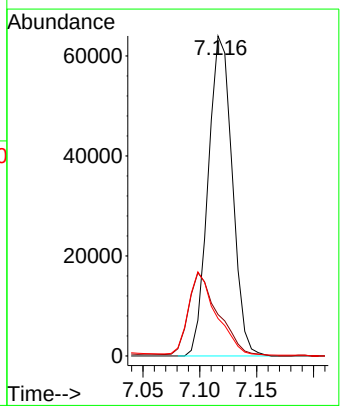
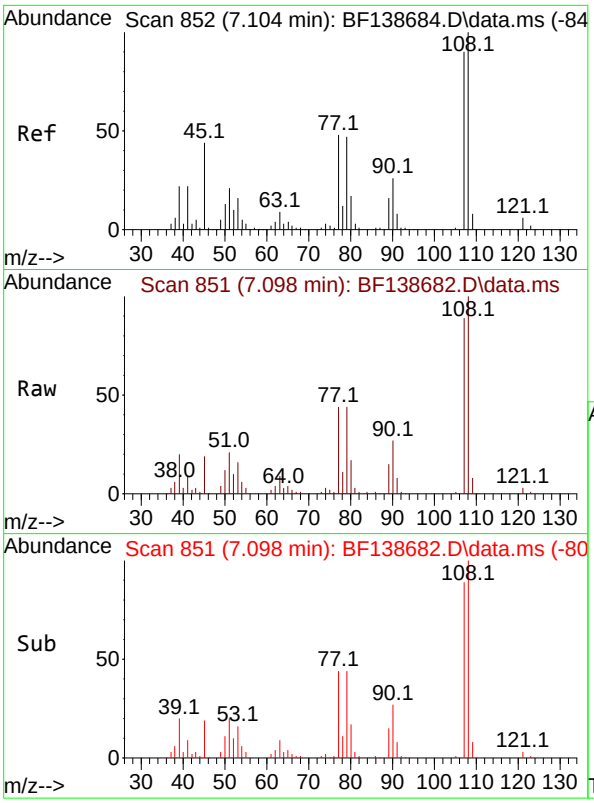


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.620 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 45 Resp: 94469

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	34.9
79	11.7	0.0	32.2

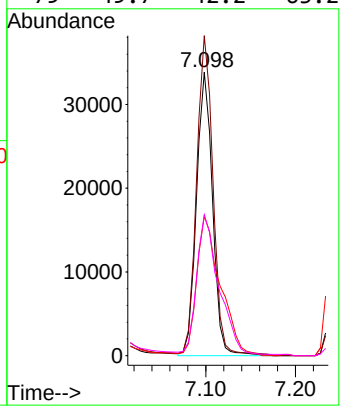




#17
2-Methylphenol
Concen: 10.252 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:107 Resp: 4232

Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.2	133.8
77	49.1	43.0	64.4
79	49.7	42.2	63.2



Instrument :
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ClientSampleId :
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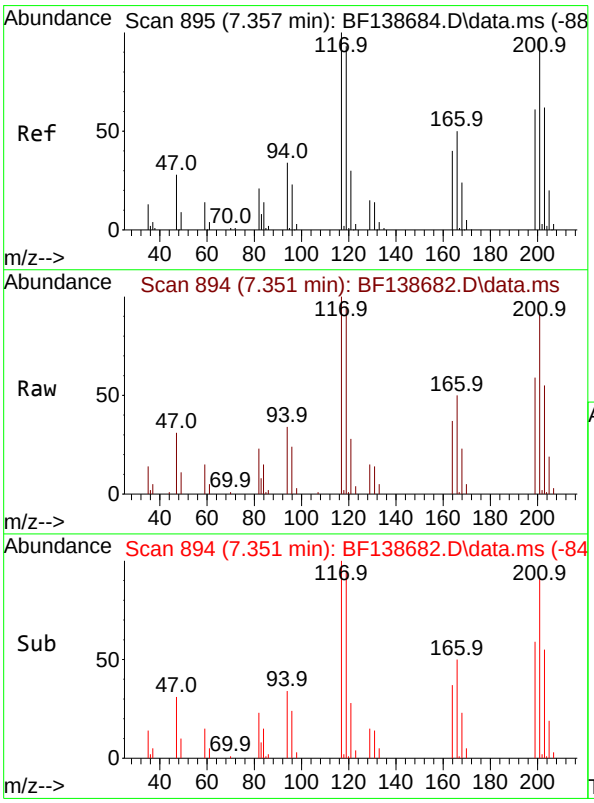
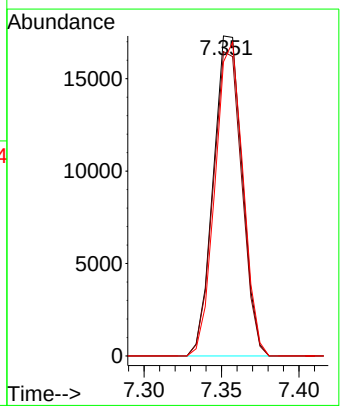
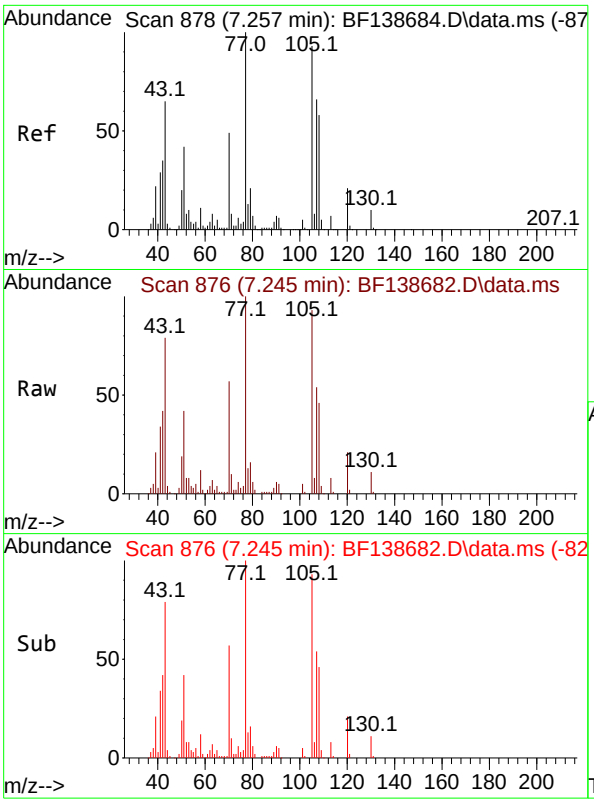


#18
Hexachloroethane
Concen: 10.598 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:117 Resp: 22530

Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.6	111.8
201	91.9	77.2	115.8

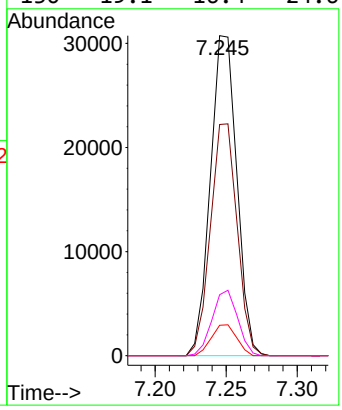




#19
n-Nitroso-di-n-propylamine
Concen: 10.345 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 70 Resp: 3986

Ion	Ratio	Lower	Upper
70	100		
42	72.3	57.4	86.0
101	9.5	7.5	11.3
130	19.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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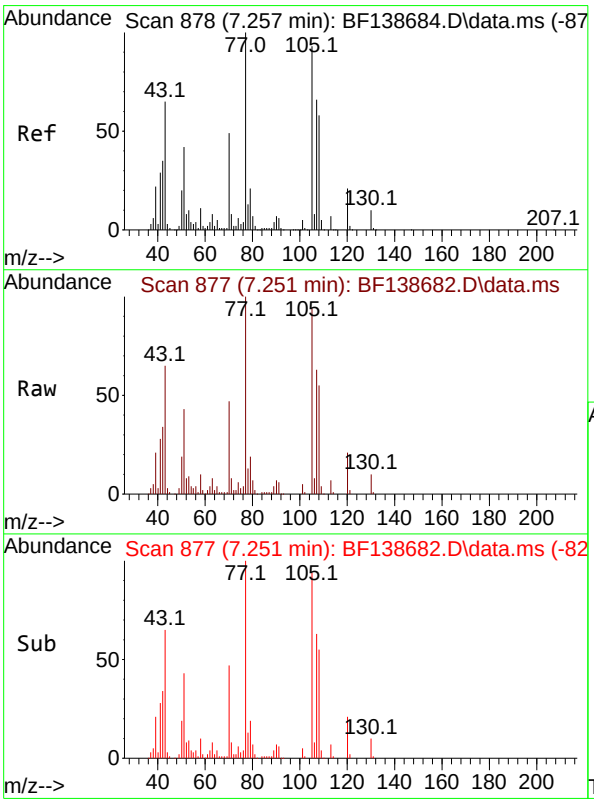
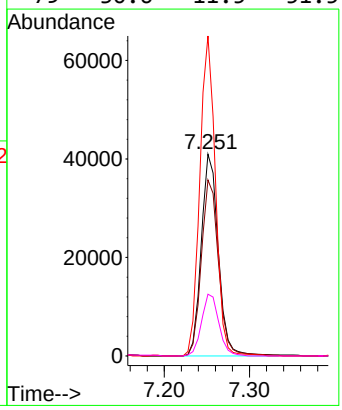
Supervised By :mohammad ahmed 07/31/2024

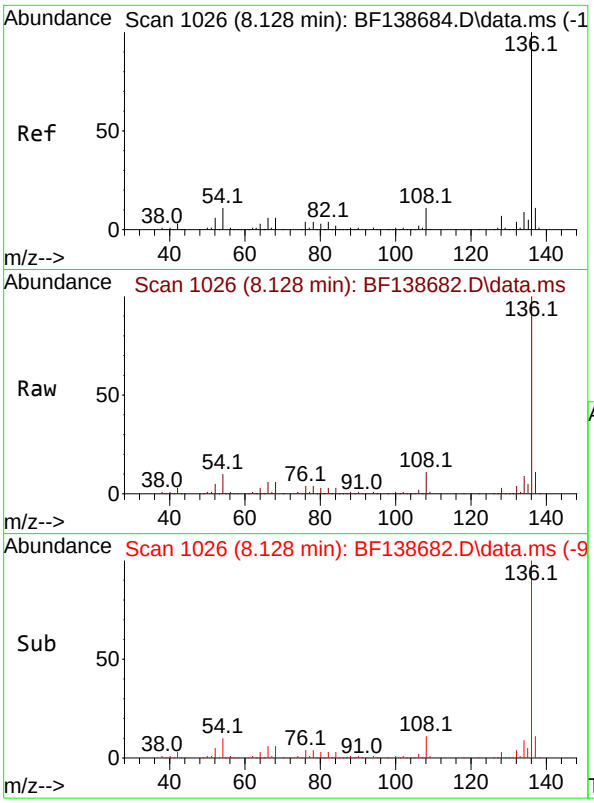


#20
3+4-Methylphenols
Concen: 10.760 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:107 Resp: 56989

Ion	Ratio	Lower	Upper
107	100		
108	87.2	68.2	108.2
77	158.6	132.1	172.1
79	30.6	11.5	51.5

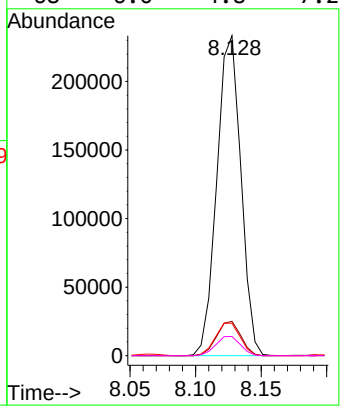




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:136 Resp: 29790

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.1	8.6	12.8
68	6.0	4.8	7.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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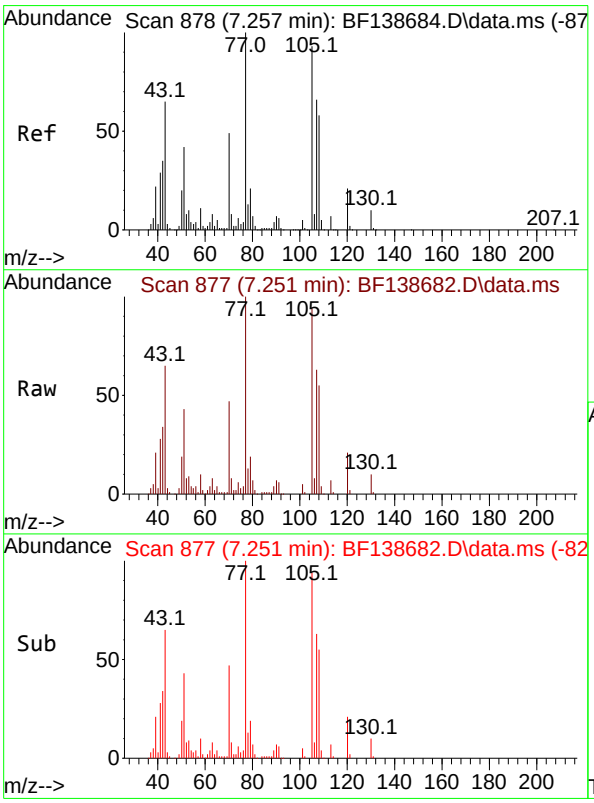
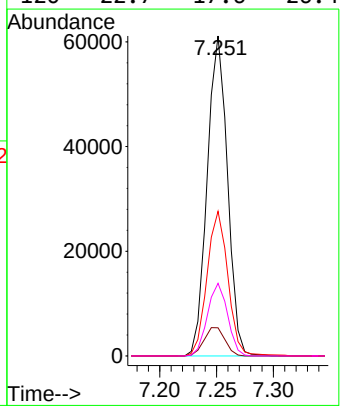
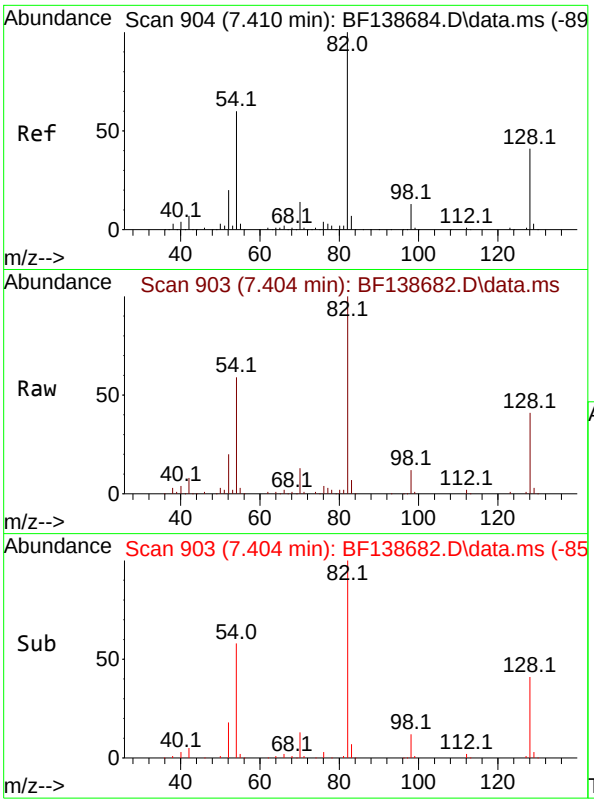


#22
Acetophenone
Concen: 10.404 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:105 Resp: 75892

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.2	10.8
51	45.2	35.9	53.9
120	22.7	17.6	26.4

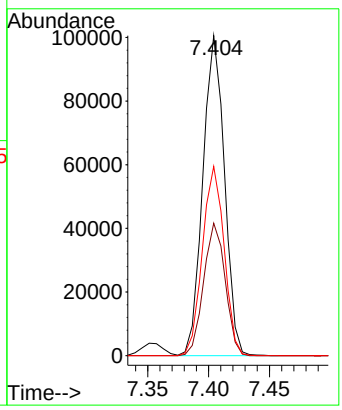




#23
Nitrobenzene-d5
Concen: 20.350 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 82 Resp: 12399

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.8	49.2
54	59.1	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
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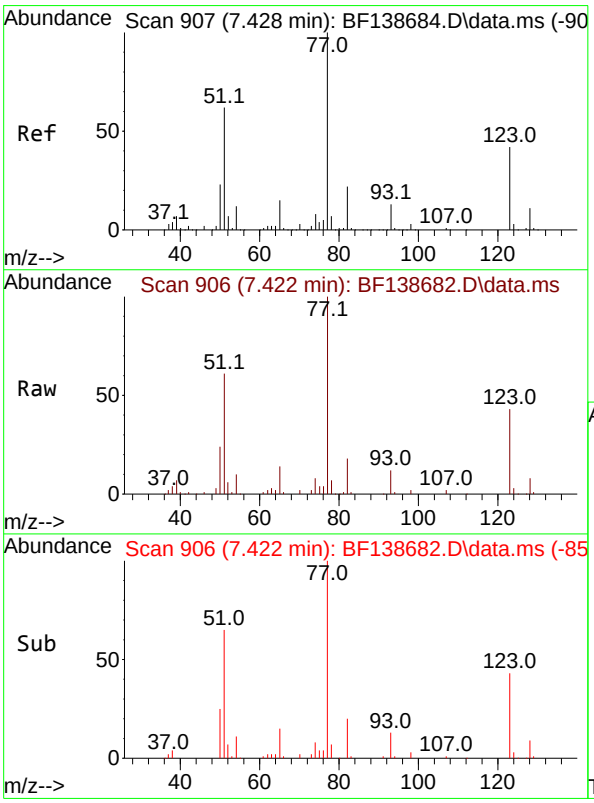
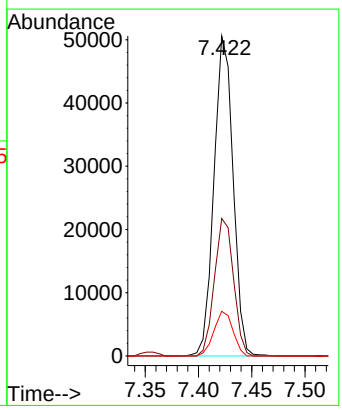
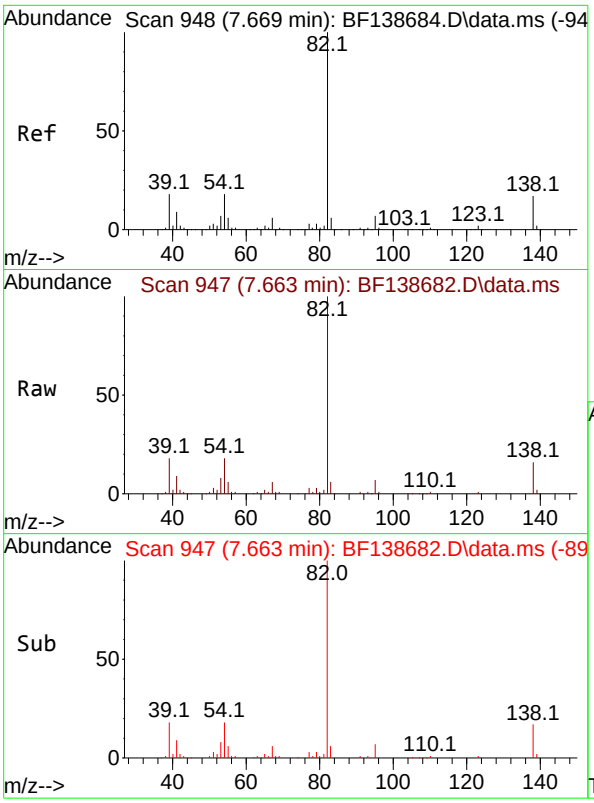


#24
Nitrobenzene
Concen: 10.164 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 63020

Ion	Ratio	Lower	Upper
77	100		
123	42.9	33.3	49.9
65	14.0	11.9	17.9

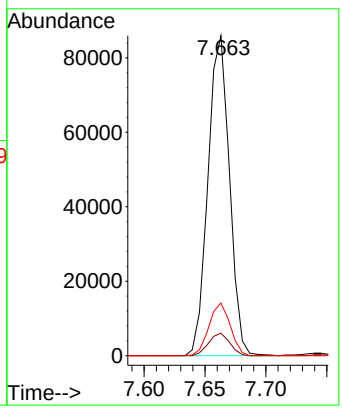




#25
Isophorone
Concen: 10.167 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 82 Resp: 10578

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	16.4	13.7	20.5



Instrument :
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ClientSampleId :
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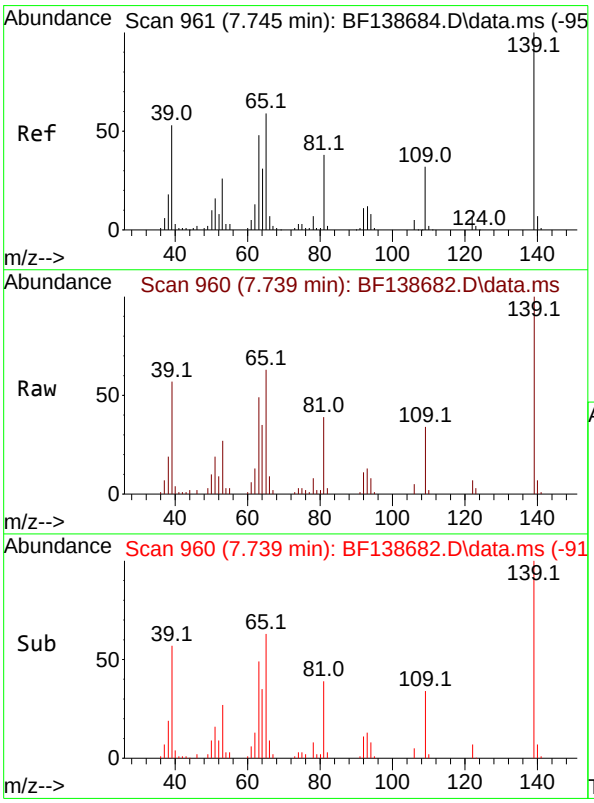
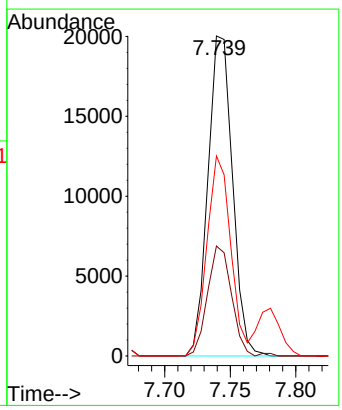
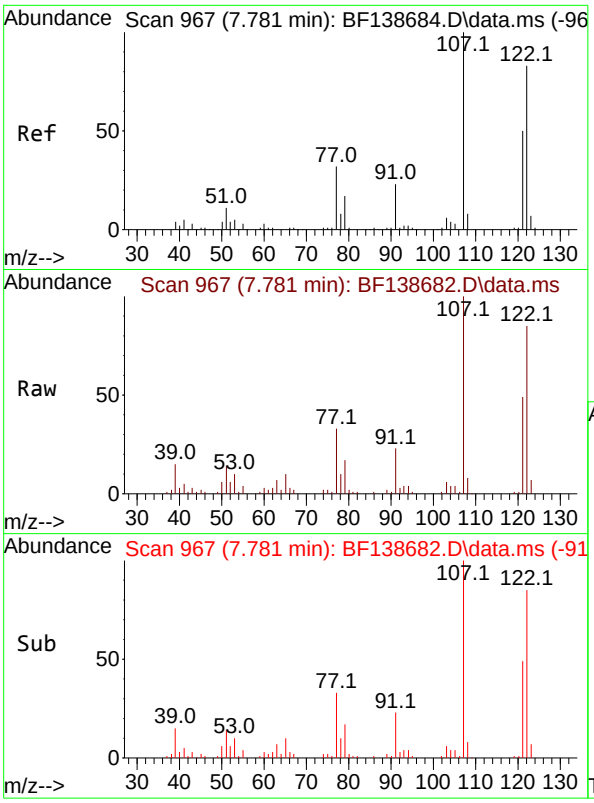


#26
2-Nitrophenol
Concen: 9.803 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:139 Resp: 26149

Ion	Ratio	Lower	Upper
139	100		
109	34.4	25.9	38.9
65	62.5	47.0	70.6

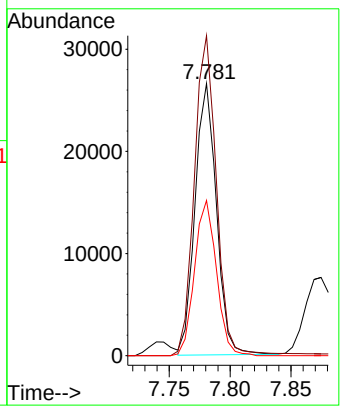




#27
2,4-Dimethylphenol
Concen: 10.147 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:122 Resp: 3238

Ion	Ratio	Lower	Upper
122	100		
107	117.6	95.0	142.6
121	57.1	47.3	70.9



Instrument :
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ClientSampleId :
SSTDICC010

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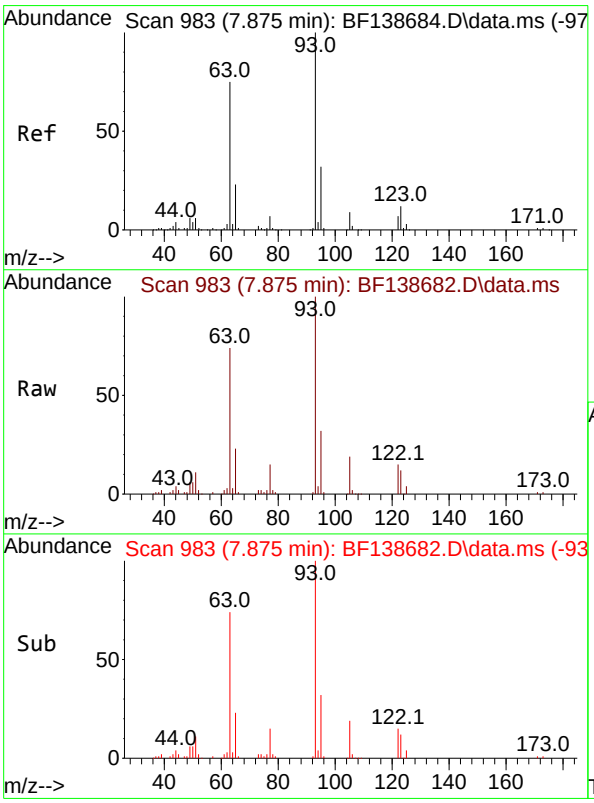
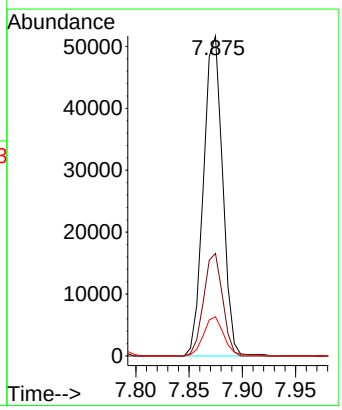
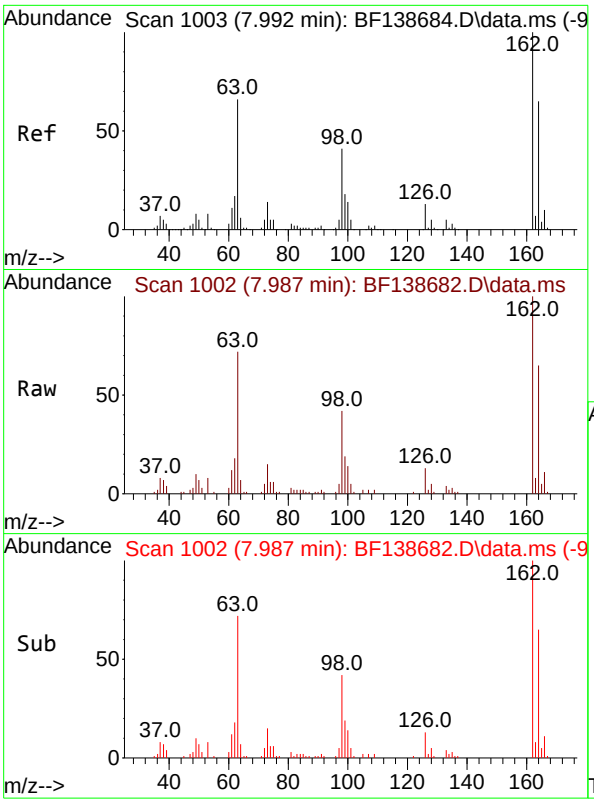


#28
bis(2-Chloroethoxy)methane
Concen: 10.191 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 64569

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	12.3	9.4	14.0

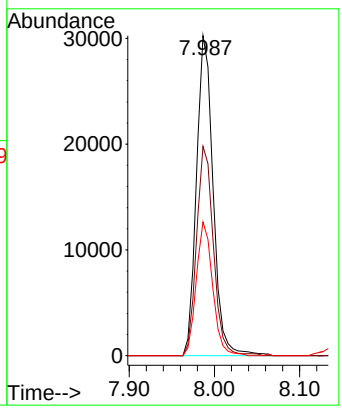




#29
2,4-Dichlorophenol
Concen: 10.031 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:162 Resp: 4113

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.7	84.7
98	41.8	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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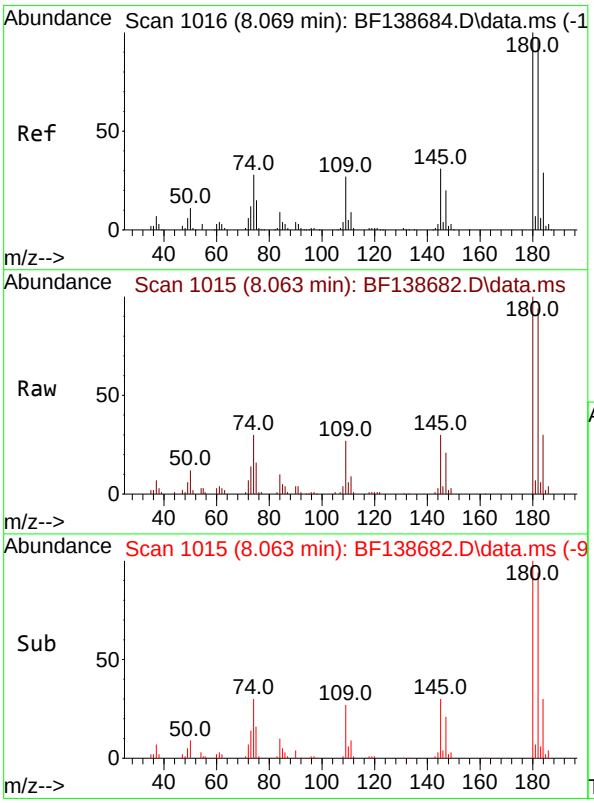
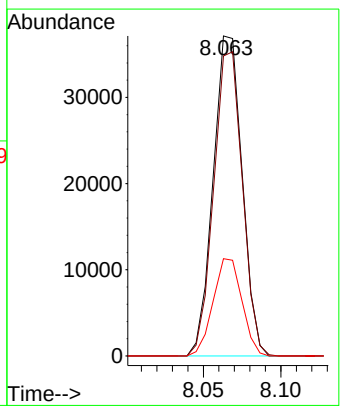
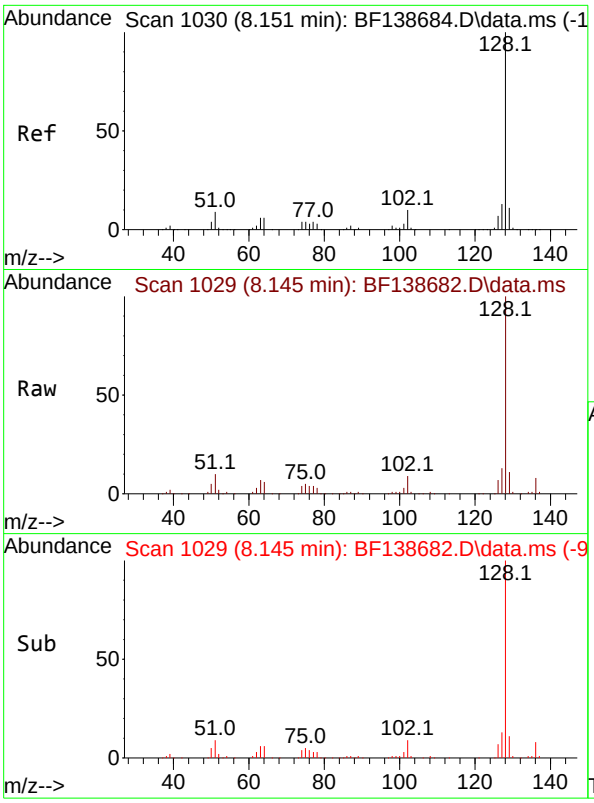


#30
1,2,4-Trichlorobenzene
Concen: 10.199 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:180 Resp: 48272

Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.9	115.3
145	30.4	25.0	37.4

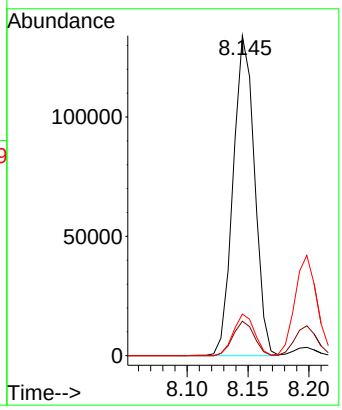




#31
Naphthalene
Concen: 10.469 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:128 Resp: 16416

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.0	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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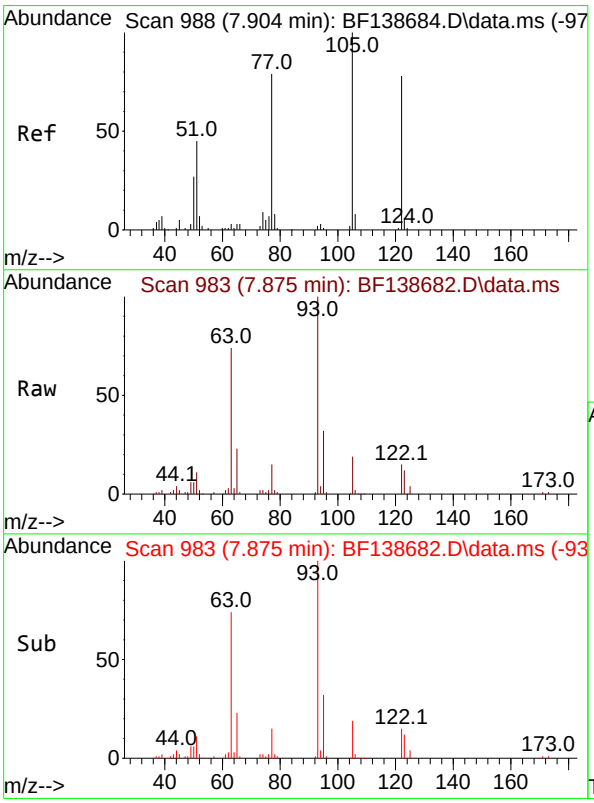
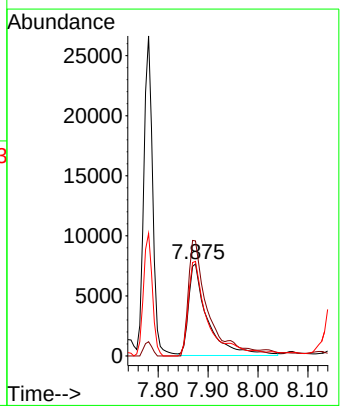
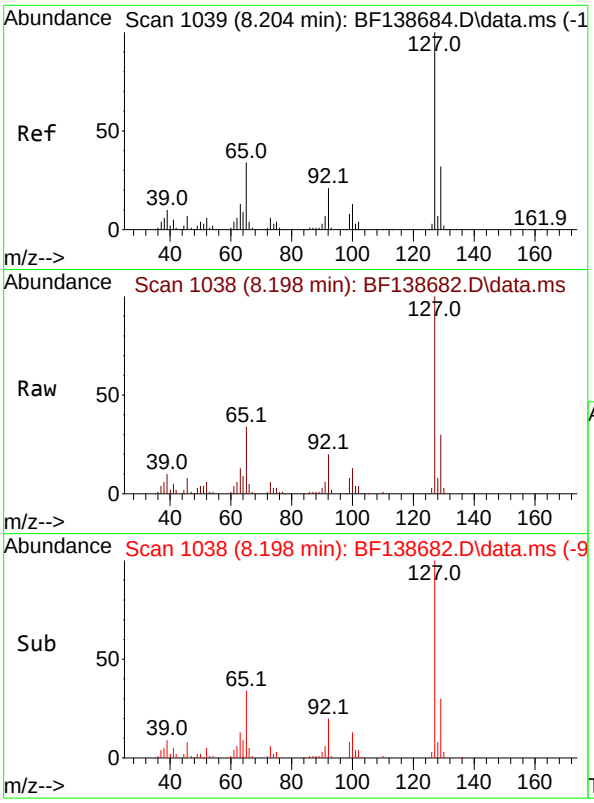


#32
Benzoic acid
Concen: 8.102 ng m
RT: 7.875 min Scan# 983
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:122 Resp: 20318

Ion	Ratio	Lower	Upper
122	100		
105	125.2	106.7	146.7
77	102.9	81.1	121.1

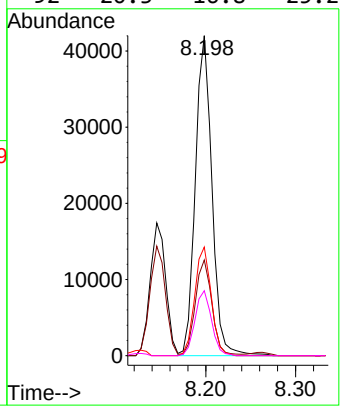




#33
4-Chloroaniline
Concen: 10.260 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:127 Resp: 5400

Ion	Ratio	Lower	Upper
127	100		
129	29.9	25.9	38.9
65	33.9	27.6	41.4
92	20.3	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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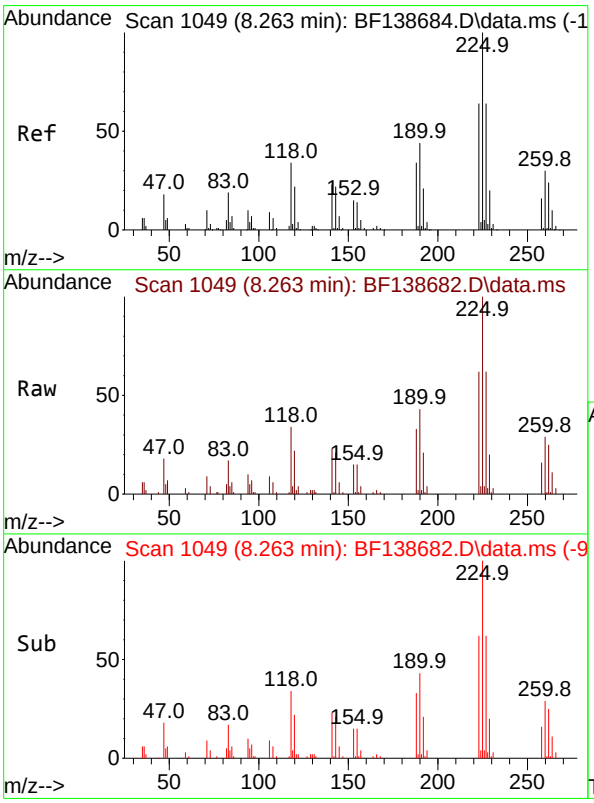
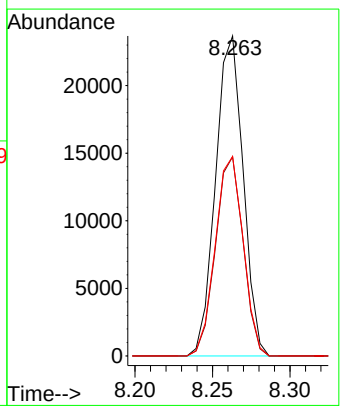
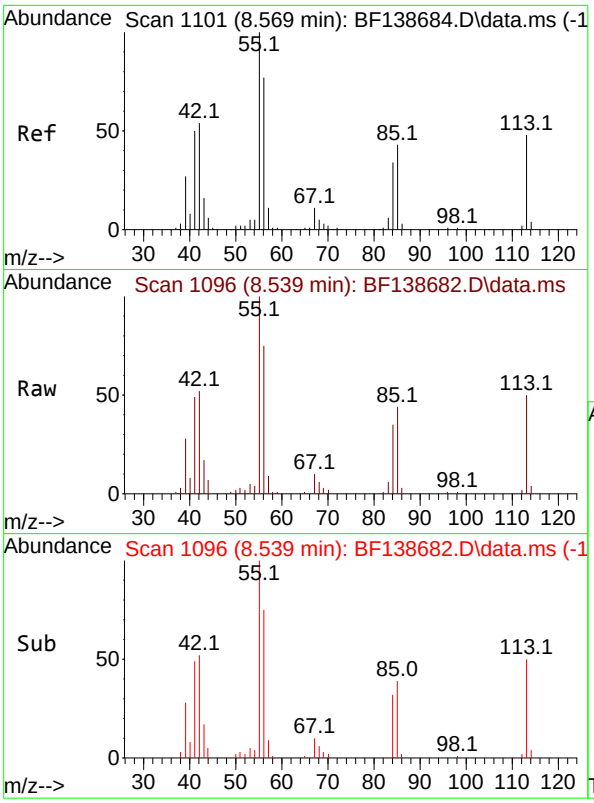


#34
Hexachlorobutadiene
Concen: 10.224 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:225 Resp: 29309

Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.2	76.8
227	62.4	51.1	76.7





#35
Caprolactam
Concen: 10.193 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:113 Resp: 1247

Ion	Ratio	Lower	Upper
113	100		
55	198.5	186.7	226.7
56	148.2	138.9	178.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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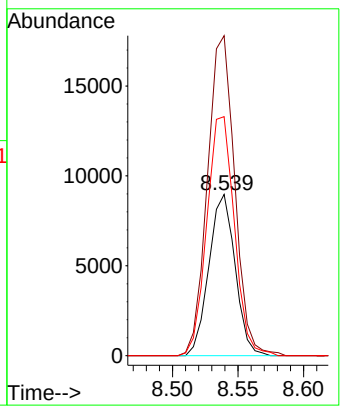
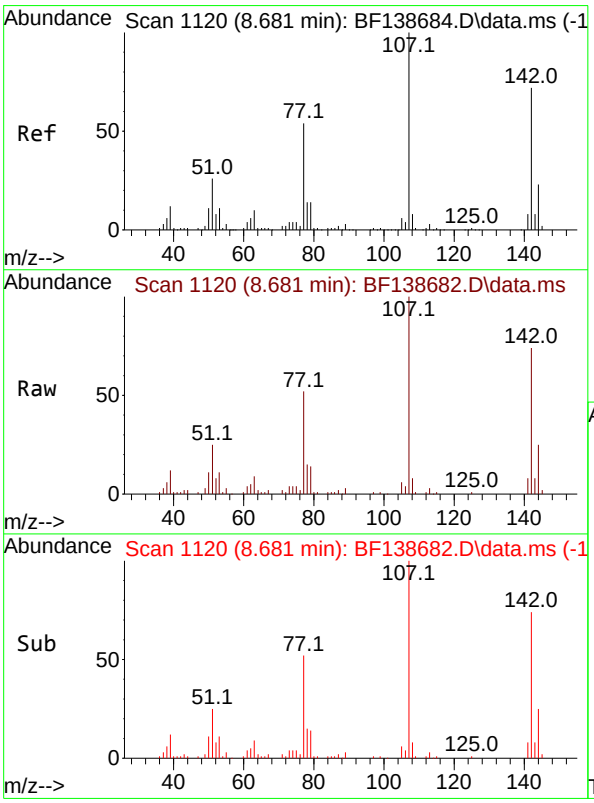
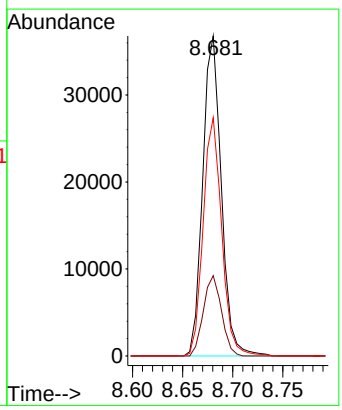


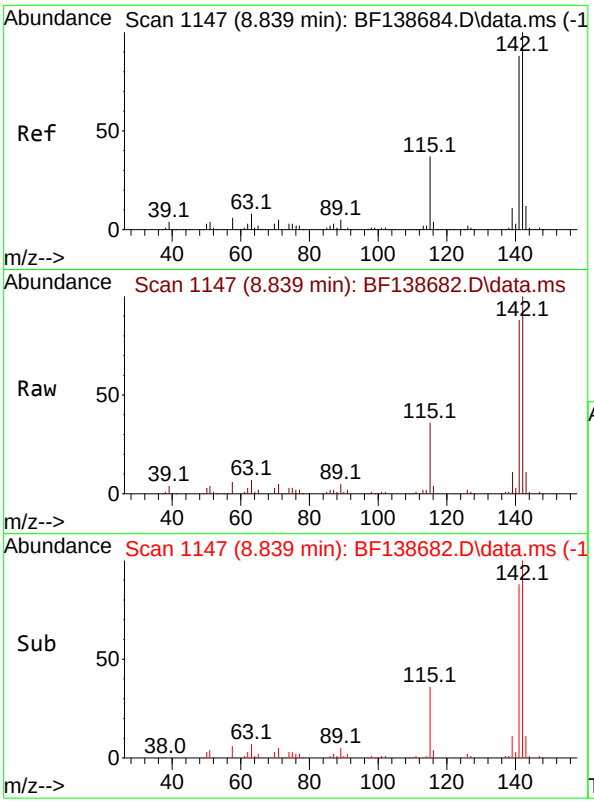


#36
4-Chloro-3-methylphenol
Concen: 10.152 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:107 Resp: 47584

Ion	Ratio	Lower	Upper
107	100		
144	25.1	18.2	27.2
142	74.5	57.4	86.2





#37
2-Methylnaphthalene
Concen: 10.511 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:142 Resp: 10409

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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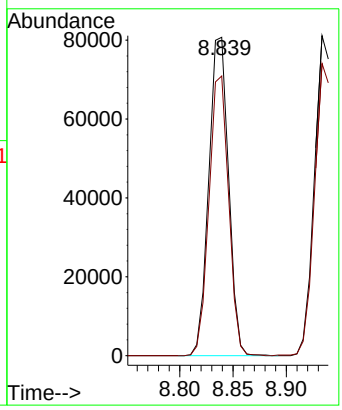
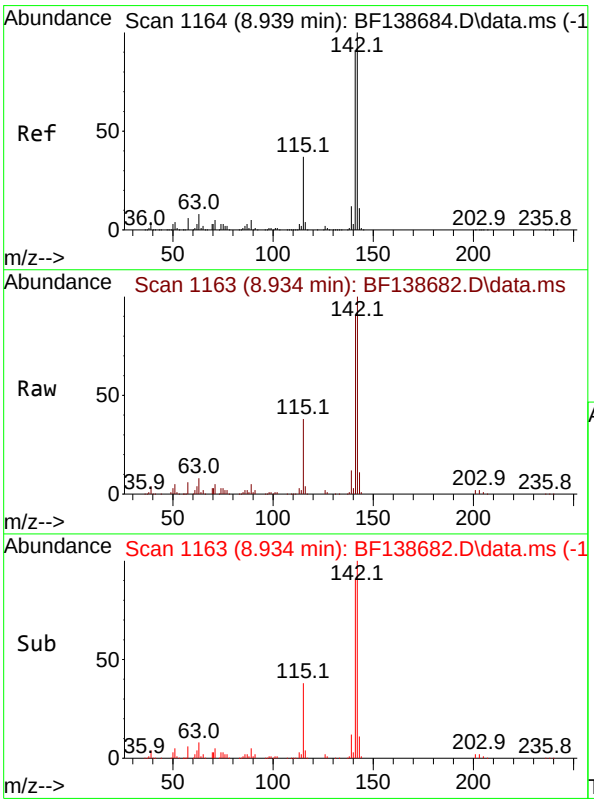
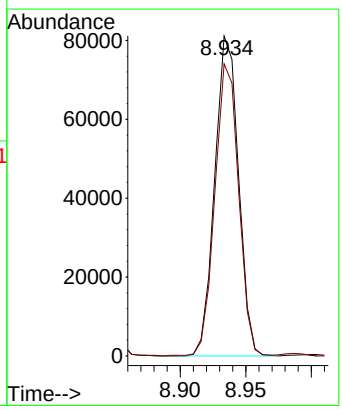


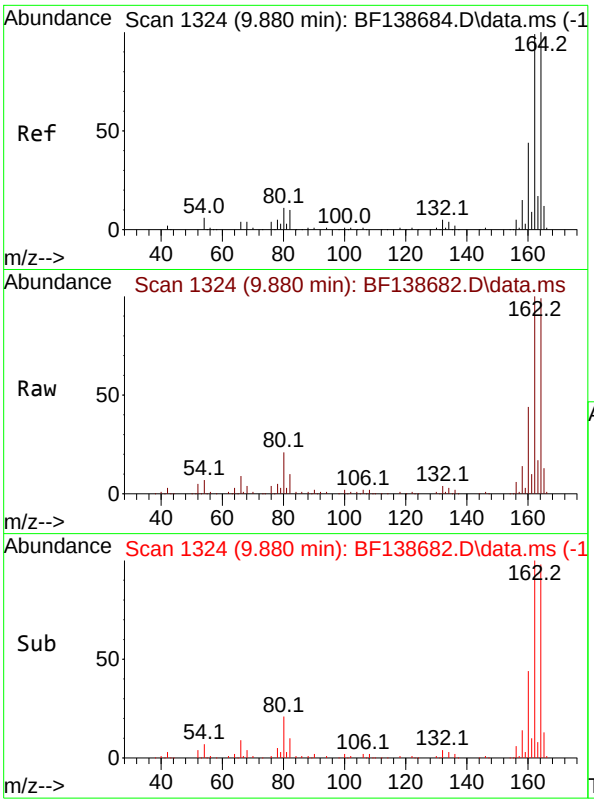


#38
1-Methylnaphthalene
Concen: 10.521 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:142 Resp: 102100

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7

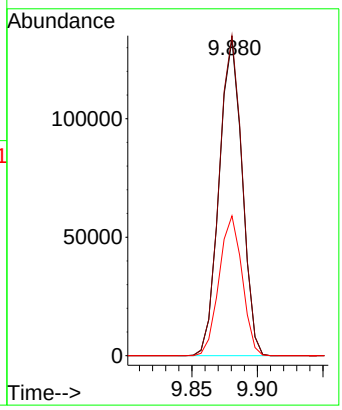




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:164 Resp: 16224

Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.4	119.0
160	44.3	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
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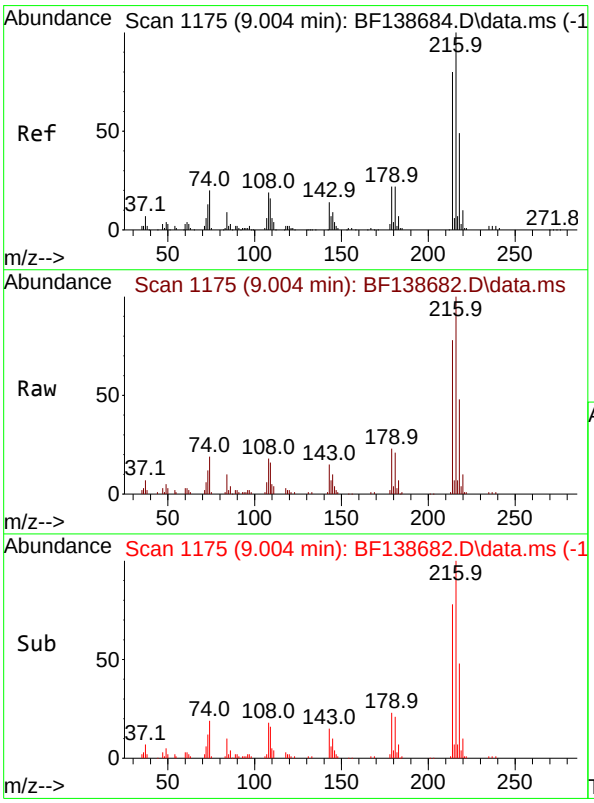
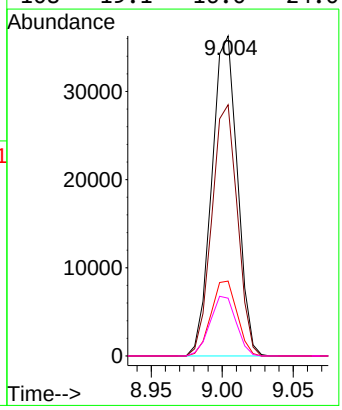
Supervised By :mohammad ahmed 07/31/2024

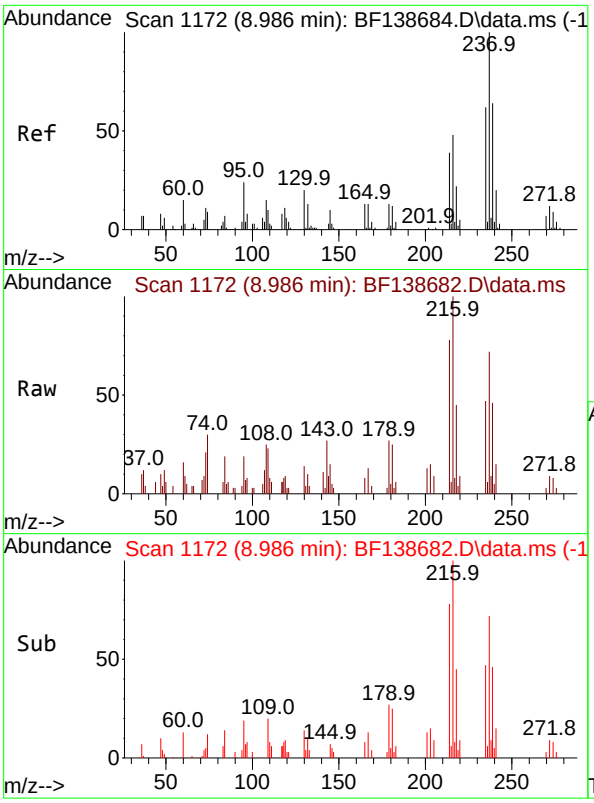


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.082 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:216 Resp: 45439

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.9	95.9
179	23.9	17.8	26.6
108	19.1	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 10.915 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:237 Resp: 516

Ion	Ratio	Lower	Upper
237	100		
235	65.1	41.8	81.8
272	12.6	0.0	32.2

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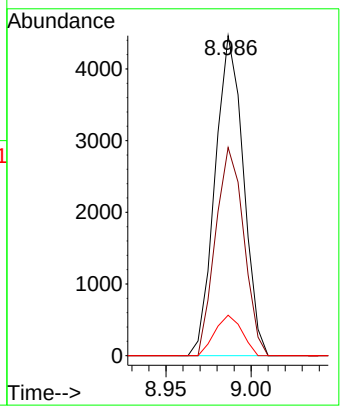
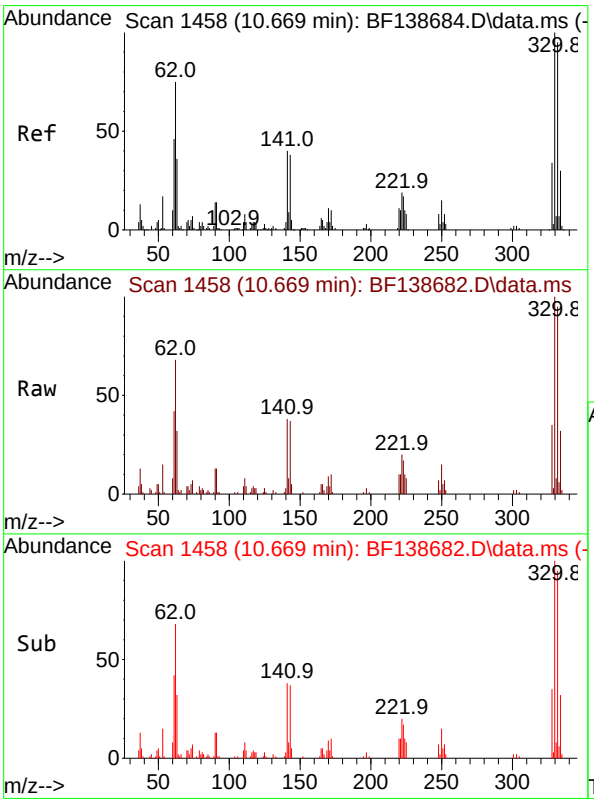
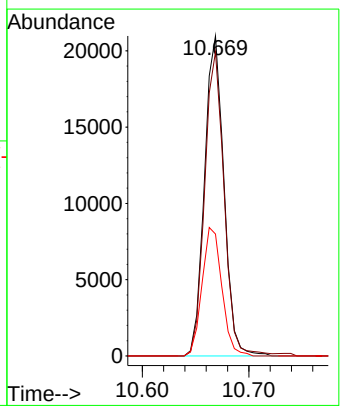


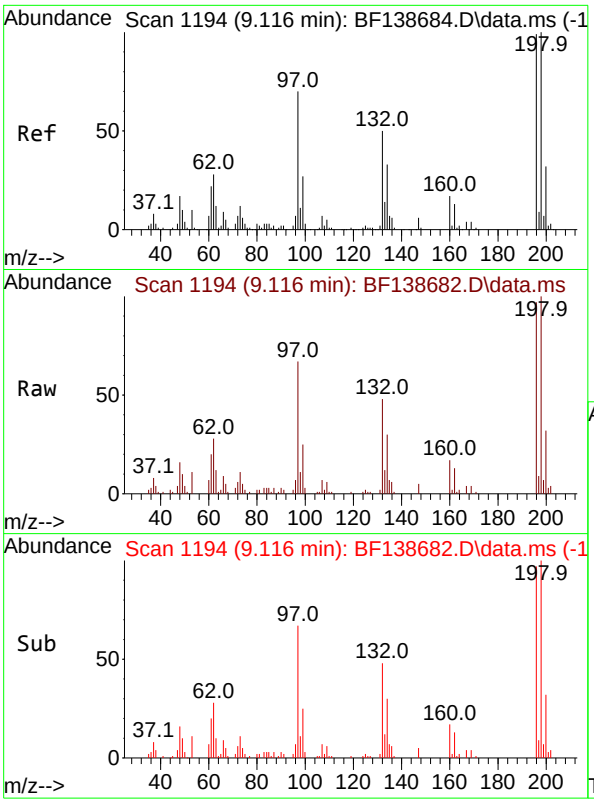


#42
2,4,6-Tribromophenol
Concen: 20.011 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:330 Resp: 26595

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.4	114.6
141	41.0	31.1	46.7

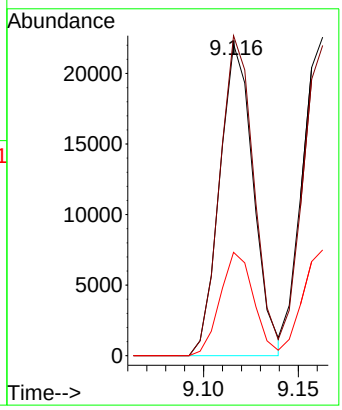




#43
2,4,6-Trichlorophenol
Concen: 9.985 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:196 Resp: 2743

Ion	Ratio	Lower	Upper
196	100		
198	102.7	80.5	120.7
200	33.2	25.9	38.9



Instrument :
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ClientSampleId :
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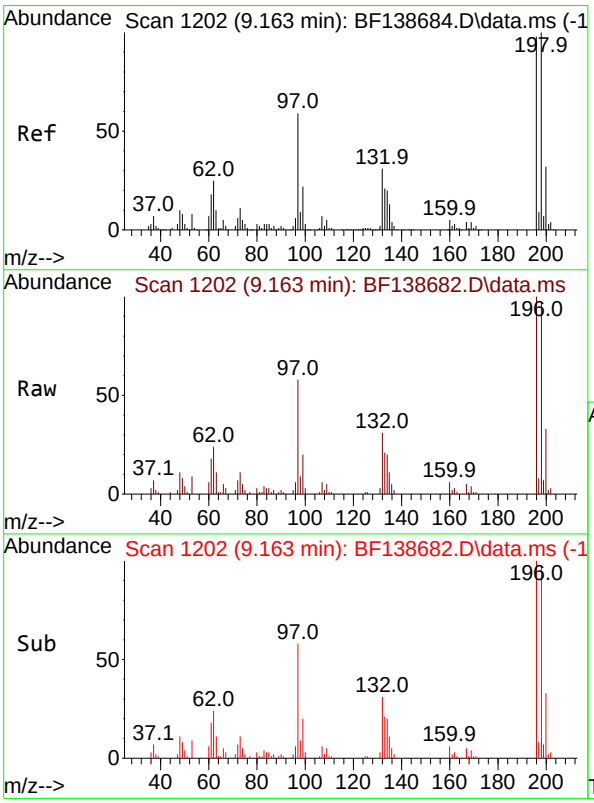
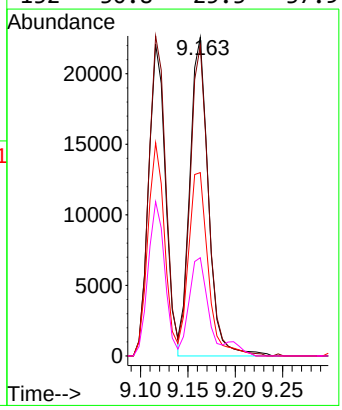
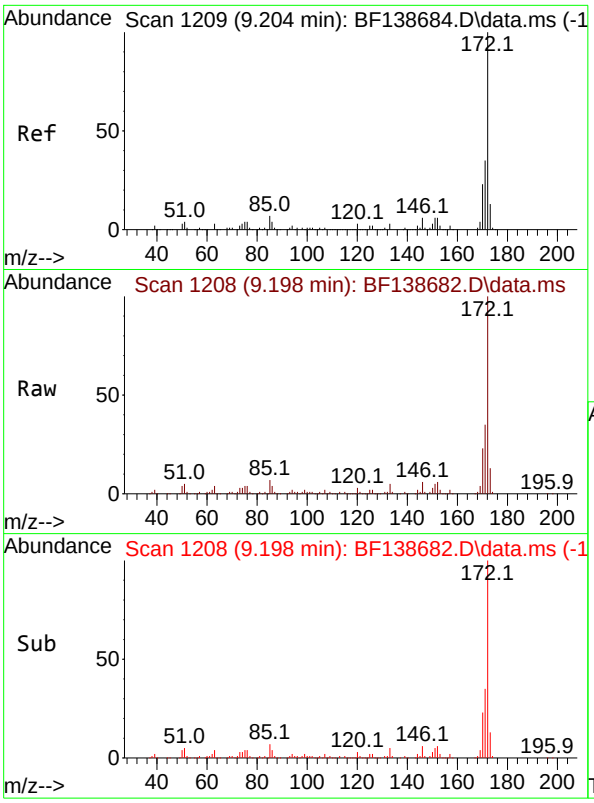


#44
2,4,5-Trichlorophenol
Concen: 10.247 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:196 Resp: 30782

Ion	Ratio	Lower	Upper
196	100		
198	97.4	81.2	121.8
97	57.6	47.8	71.6
132	30.8	25.3	37.9

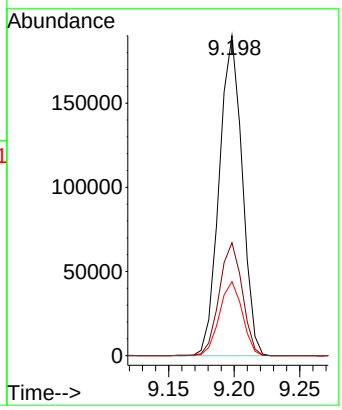




#45
2-Fluorobiphenyl
Concen: 21.392 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:172 Resp: 23100

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.2	18.8	28.2



Instrument :
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ClientSampleId :
SSTDICC010

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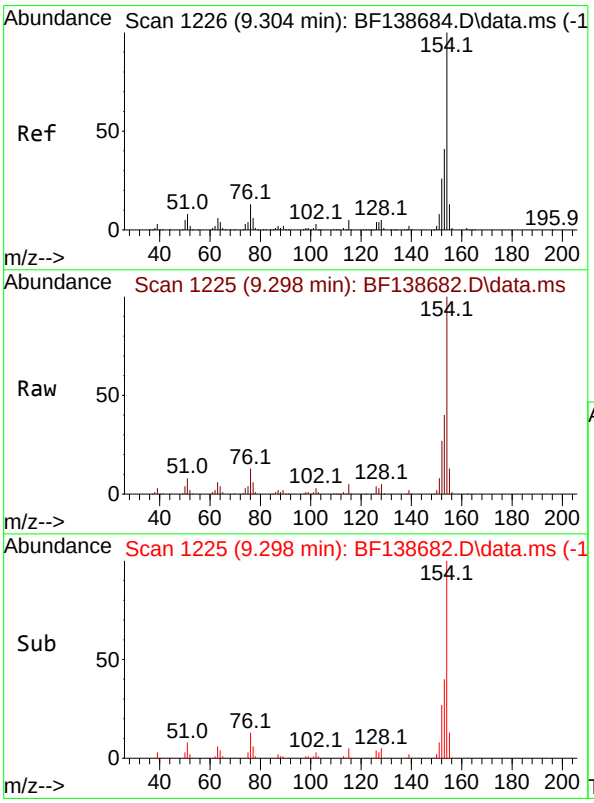
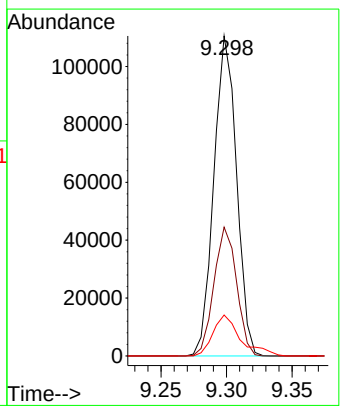
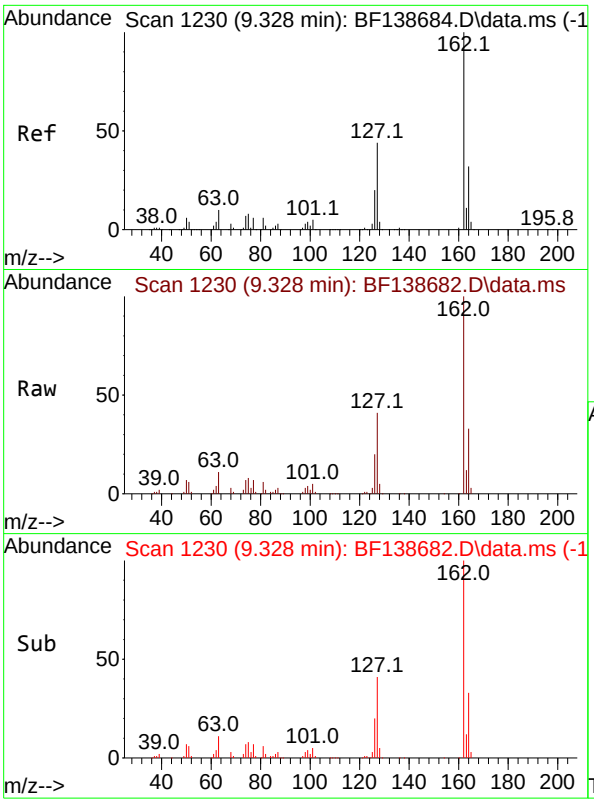


#46
1,1'-Biphenyl
Concen: 10.441 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:154 Resp: 132668

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.8	60.8
76	12.8	0.0	32.8

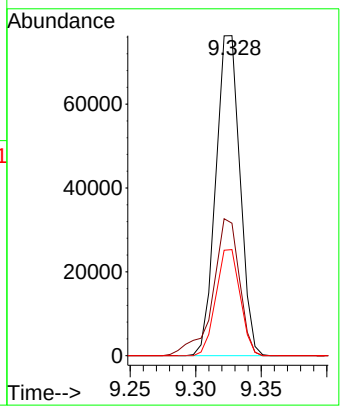




#47
2-Chloronaphthalene
Concen: 10.354 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:162 Resp: 9785

Ion	Ratio	Lower	Upper
162	100		
127	41.4	35.4	53.2
164	33.1	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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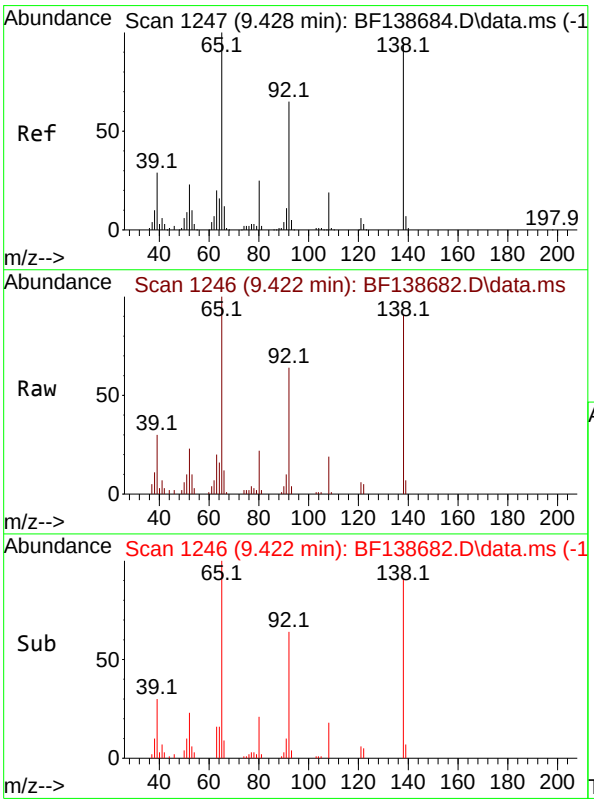
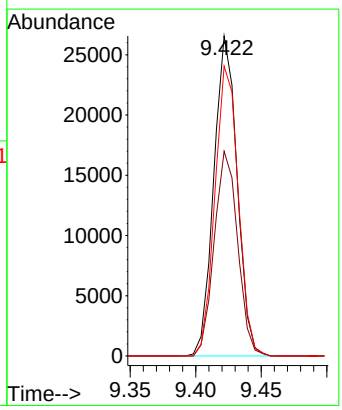
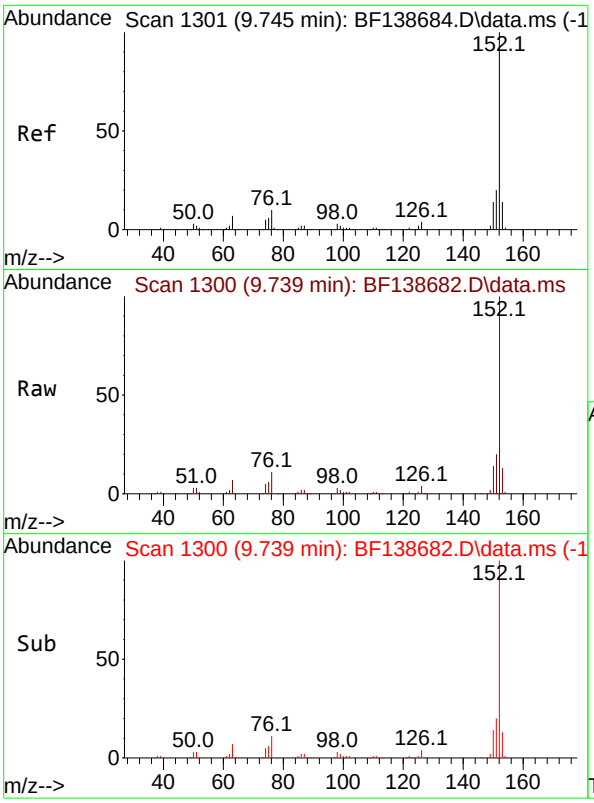


#48
2-Nitroaniline
Concen: 10.216 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 65 Resp: 32731

Ion	Ratio	Lower	Upper
65	100		
92	63.9	52.0	78.0
138	90.5	76.2	114.4

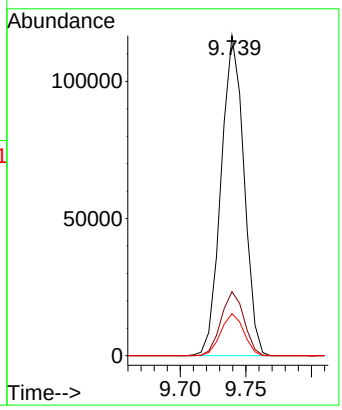




#49
Acenaphthylene
Concen: 10.552 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:152 Resp: 14143

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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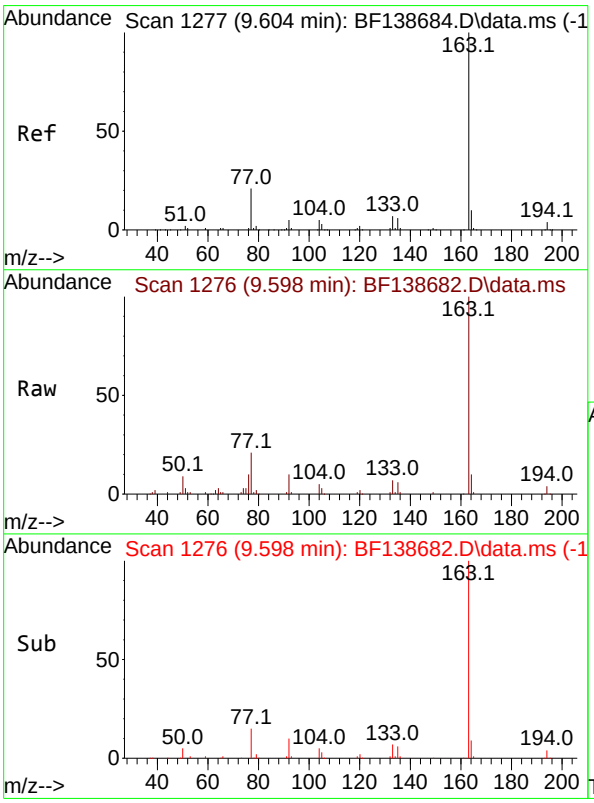
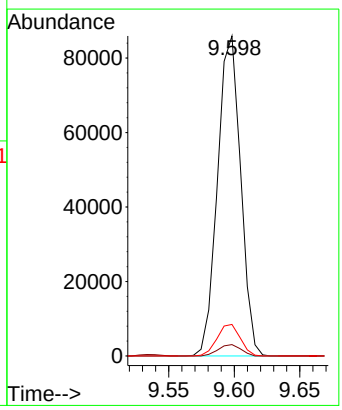
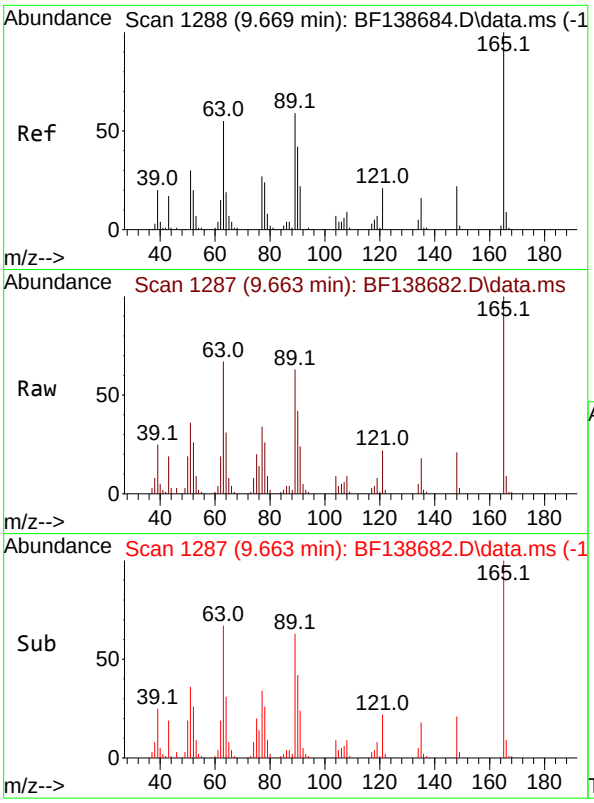


#50
Dimethylphthalate
Concen: 10.139 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:163 Resp: 105187

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.8	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 9.974 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:165 Resp: 2335

Ion	Ratio	Lower	Upper
165	100		
63	67.4	52.0	78.0
89	63.4	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
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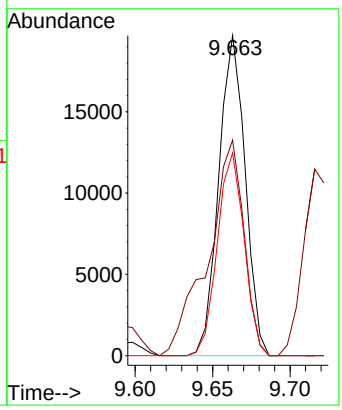
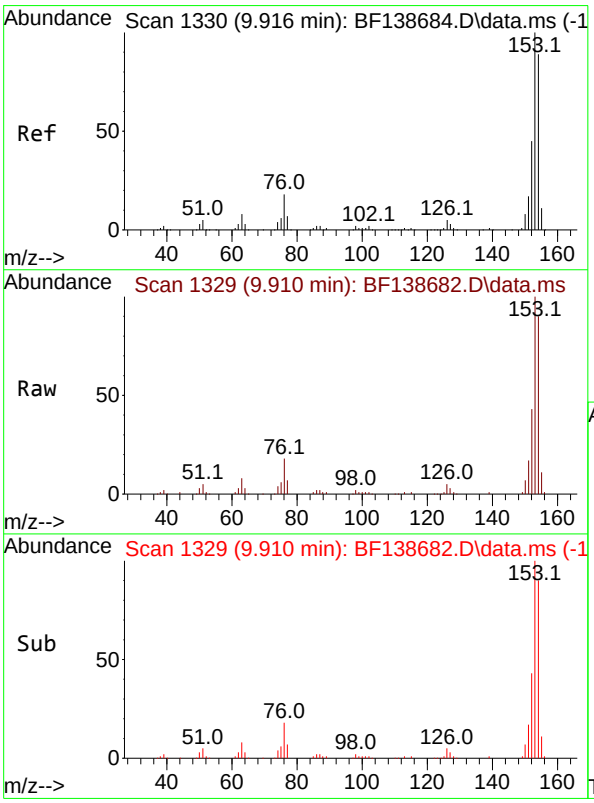
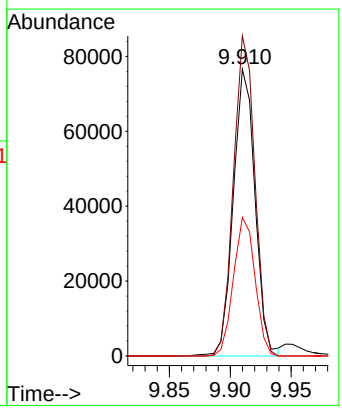


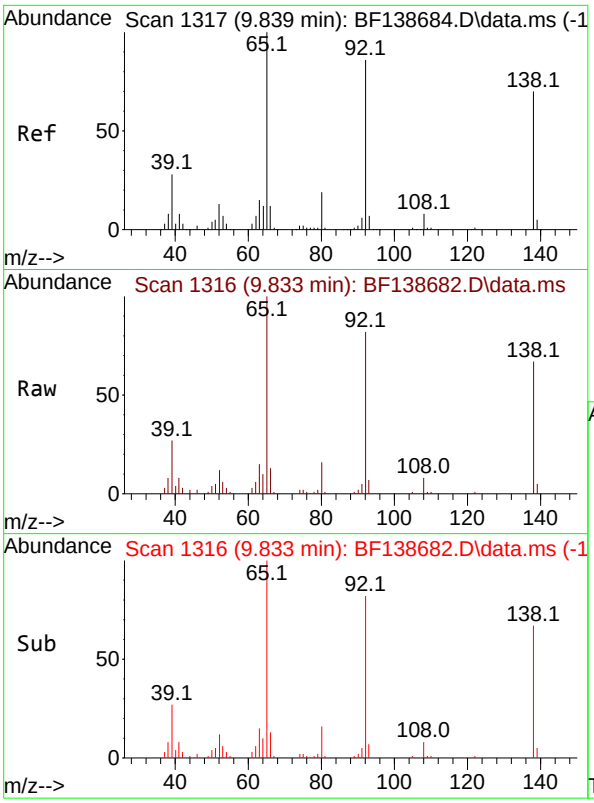


#52
Acenaphthene
Concen: 10.560 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:154 Resp: 95143

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.9	134.9
152	48.3	40.6	60.8





#53
3-Nitroaniline
Concen: 10.062 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:138 Resp: 2435

Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	122.5	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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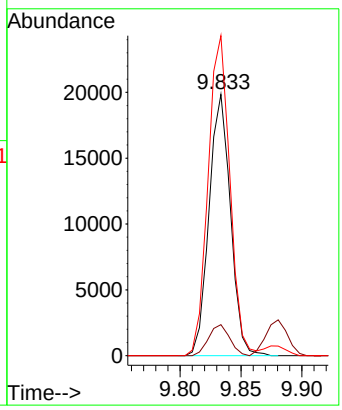
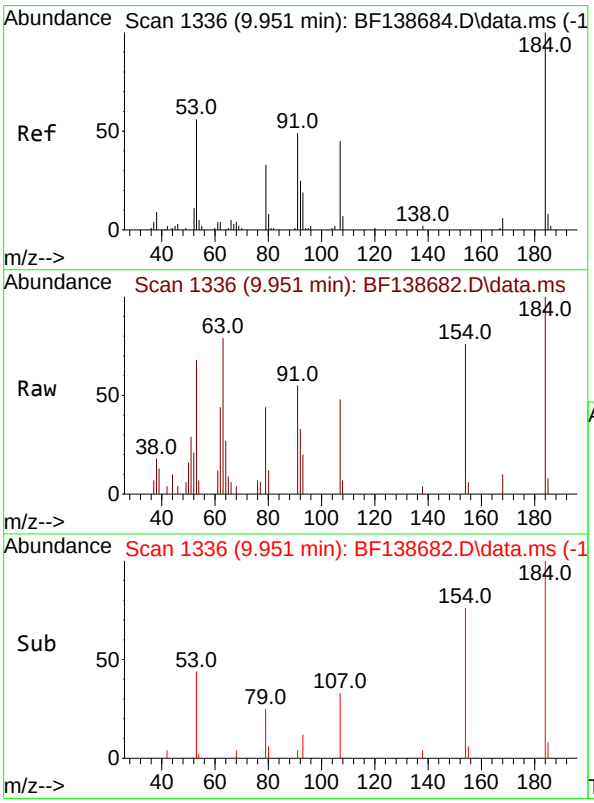
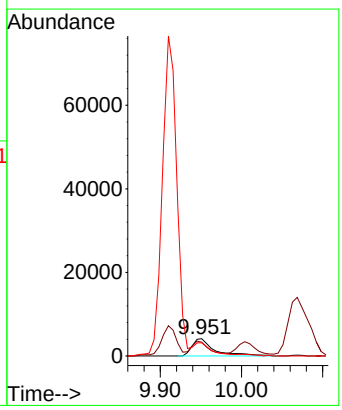


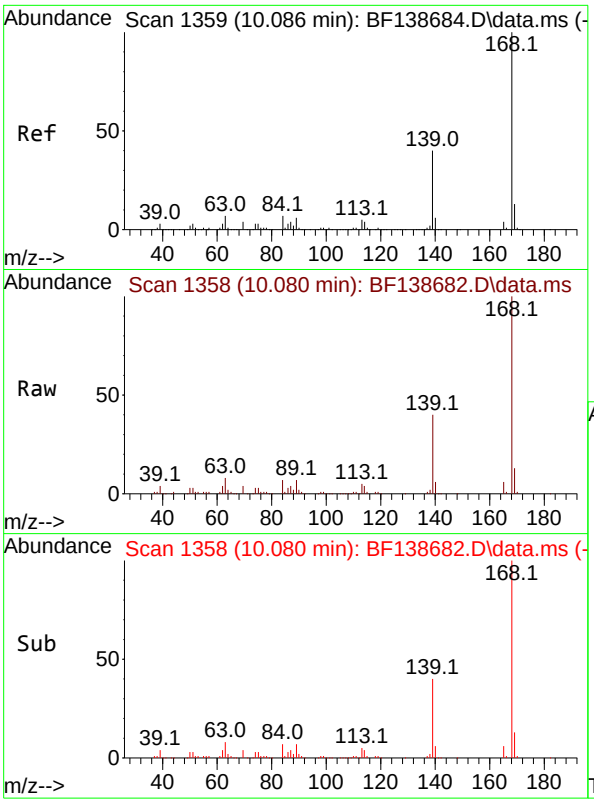


#54
2,4-Dinitrophenol
Concen: 7.337 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:184 Resp: 7908

Ion	Ratio	Lower	Upper
184	100		
63	79.4	57.5	86.3
154	75.8	51.7	77.5

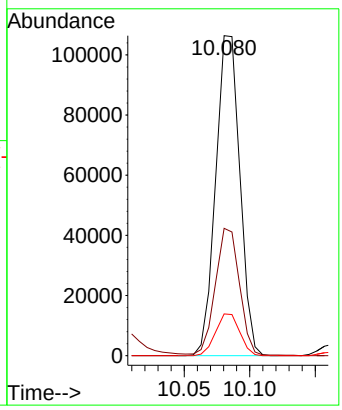




#55
Dibenzofuran
Concen: 10.717 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:168 Resp: 13630

Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.6	49.0
169	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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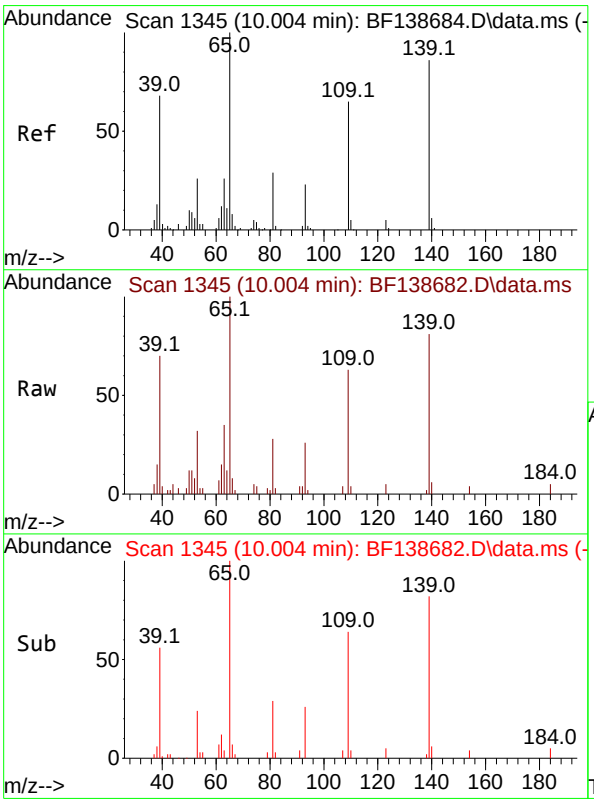
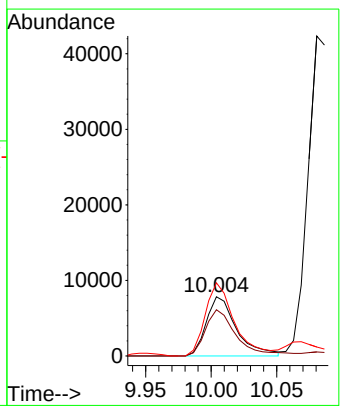
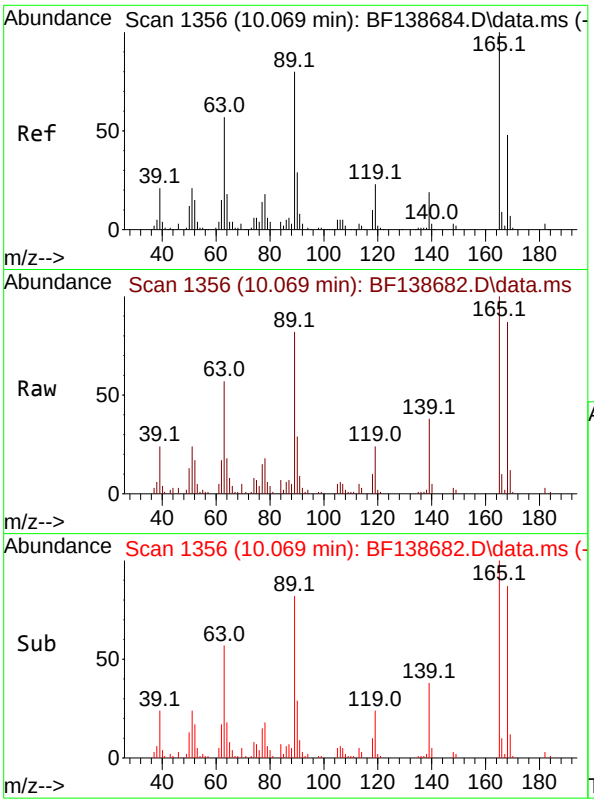


#56
4-Nitrophenol
Concen: 8.687 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:139 Resp: 12643

Ion	Ratio	Lower	Upper
139	100		
109	78.0	55.5	95.5
65	123.5	96.7	136.7

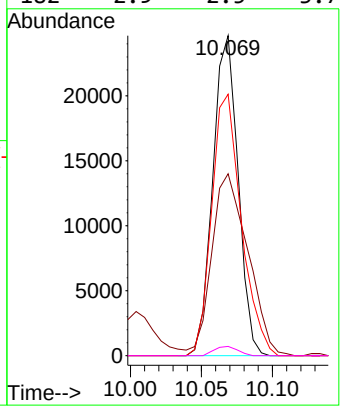




#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:165 Resp: 3046

Ion	Ratio	Lower	Upper
165	100		
63	56.8	46.3	69.5
89	81.7	64.2	96.4
182	2.9	2.5	3.7



Instrument :
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ClientSampleId :
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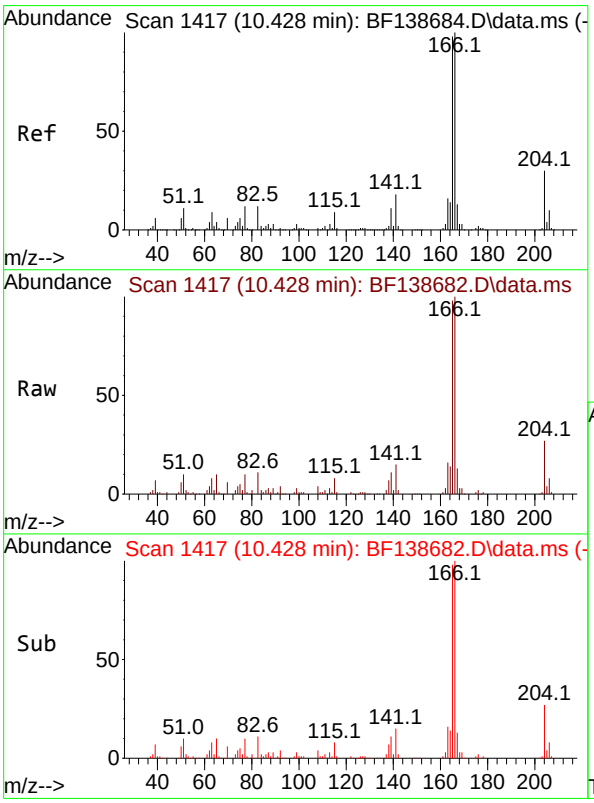
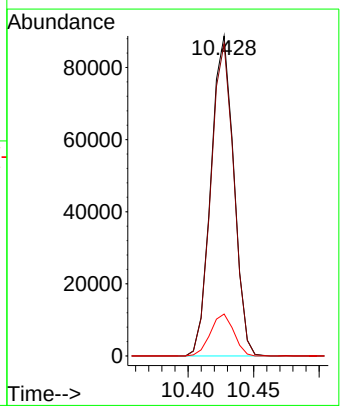
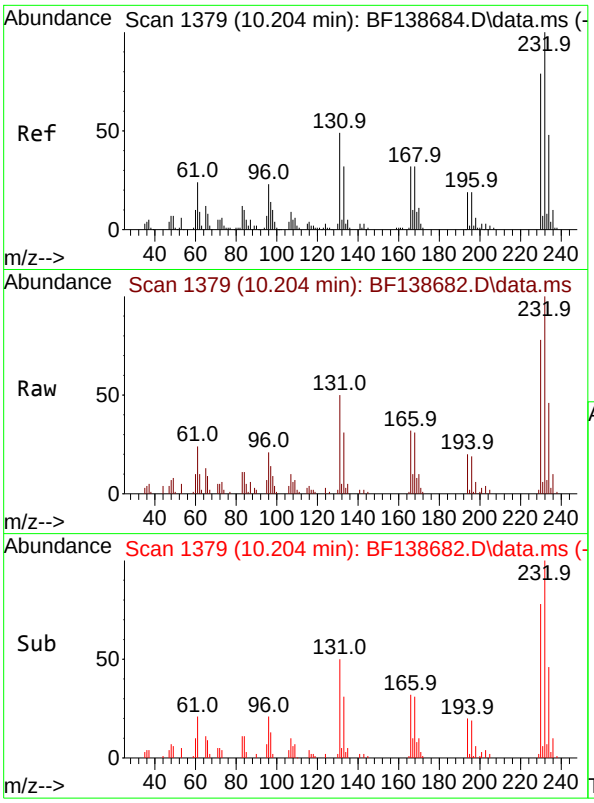


#58
Fluorene
Concen: 10.622 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:166 Resp: 107585

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.4	117.6
167	13.1	10.6	16.0

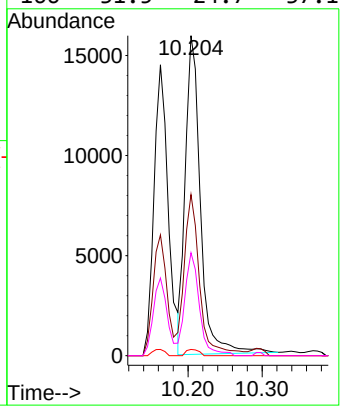




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.872 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:232 Resp: 2267

Ion	Ratio	Lower	Upper
232	100		
131	52.2	37.0	55.4
130	1.6	2.0	3.0#
166	31.5	24.7	37.1



Instrument :
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ClientSampleId :
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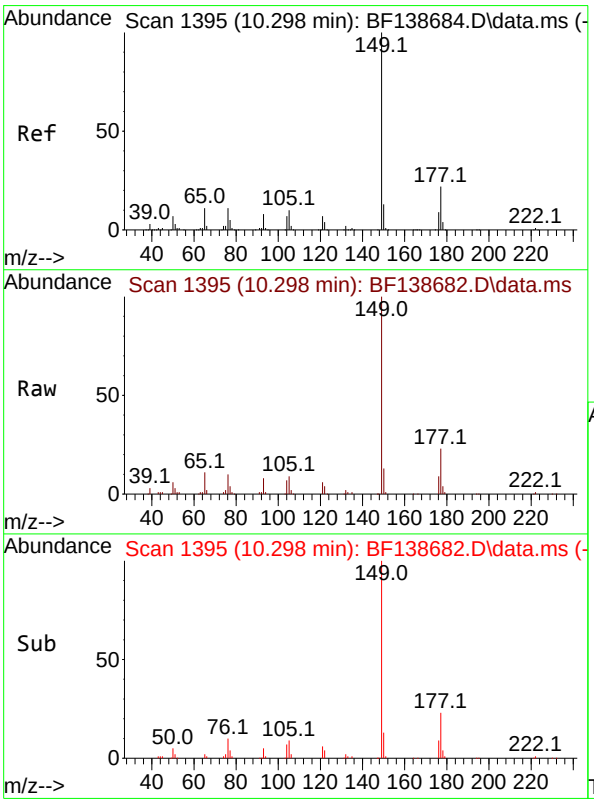
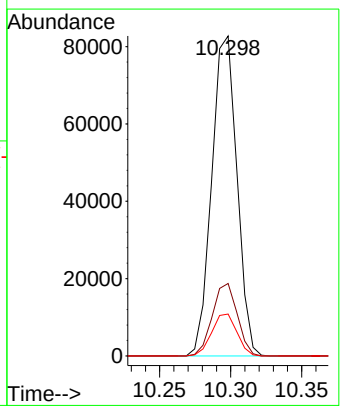
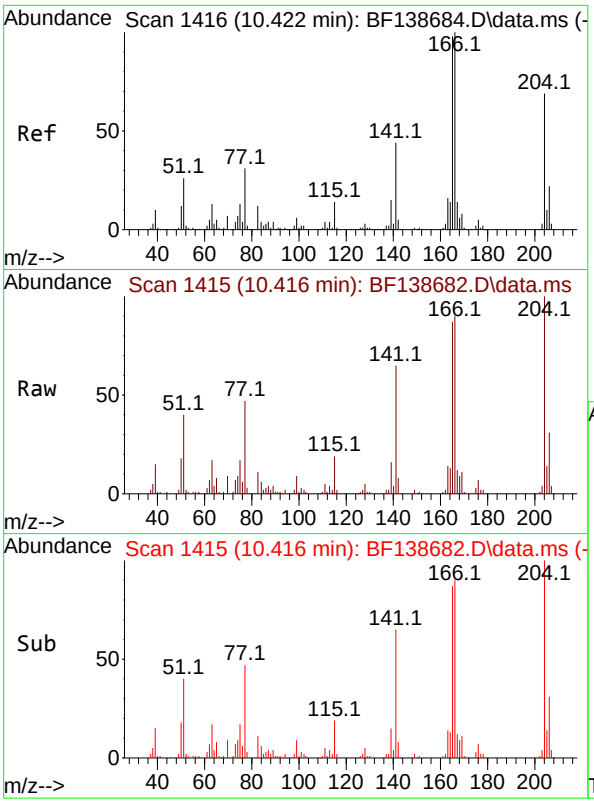


#60
Diethylphthalate
Concen: 10.381 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 102108

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	13.1	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 10.814 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 5387

Ion	Ratio	Lower	Upper
204	100		
206	31.3	26.1	39.1
141	64.8	51.4	77.0

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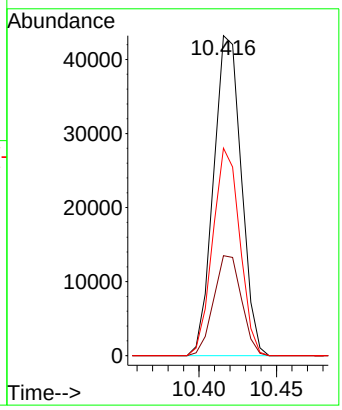
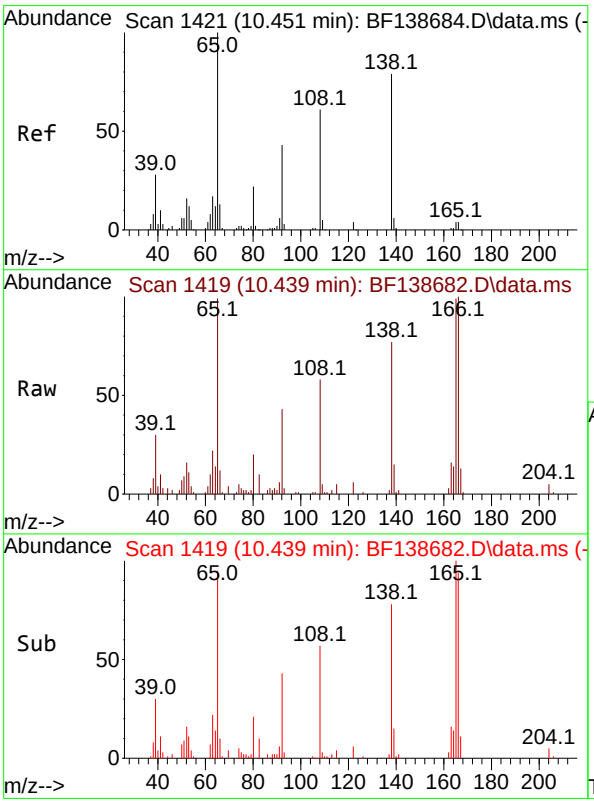
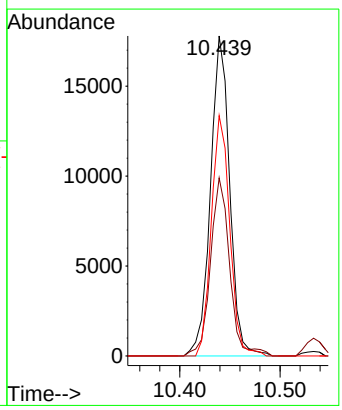


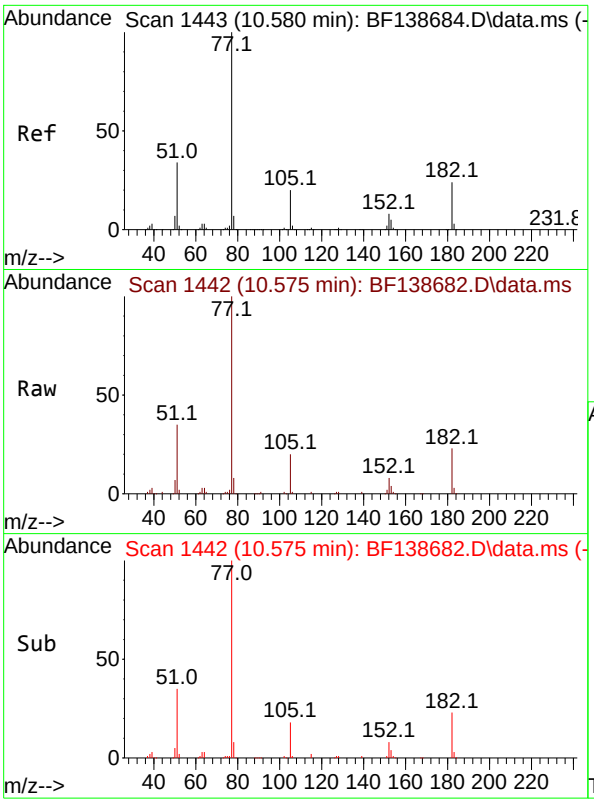


#62
4-Nitroaniline
Concen: 10.284 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:138 Resp: 23653

Ion	Ratio	Lower	Upper
138	100		
92	55.6	34.2	74.2
108	75.1	56.2	96.2

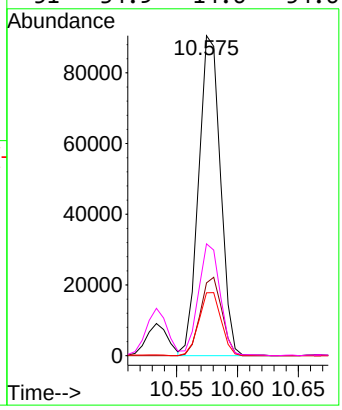




#63
Azobenzene
Concen: 10.347 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 11288

Ion	Ratio	Lower	Upper
77	100		
182	22.7	3.4	43.4
105	19.7	0.2	40.2
51	34.9	14.6	54.6



Instrument :
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ClientSampleId :
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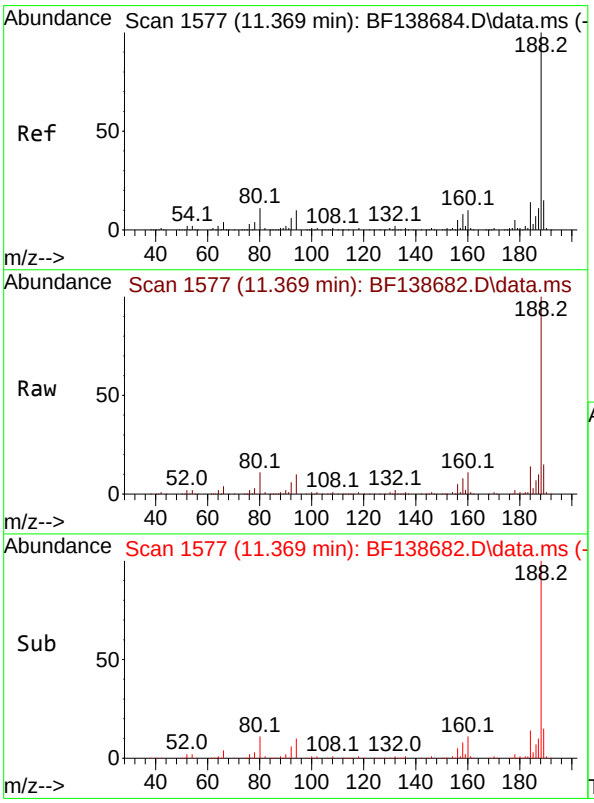
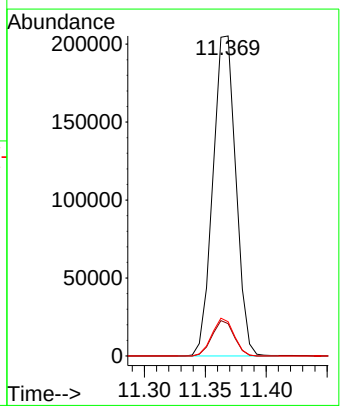
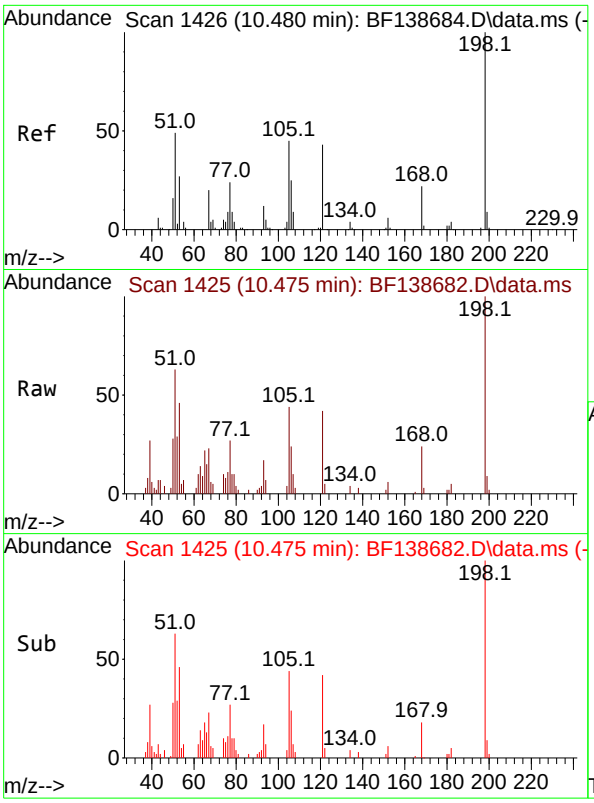


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:188 Resp: 269225

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.6	11.4
80	10.7	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 8.733 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:198 Resp: 1434

Ion	Ratio	Lower	Upper
198	100		
51	62.9	39.9	79.9
105	43.9	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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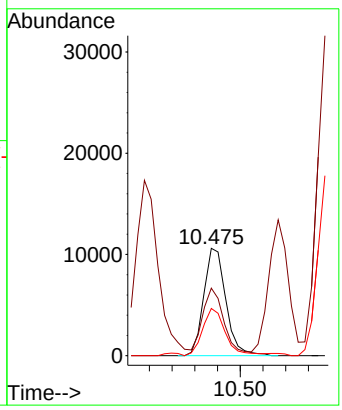
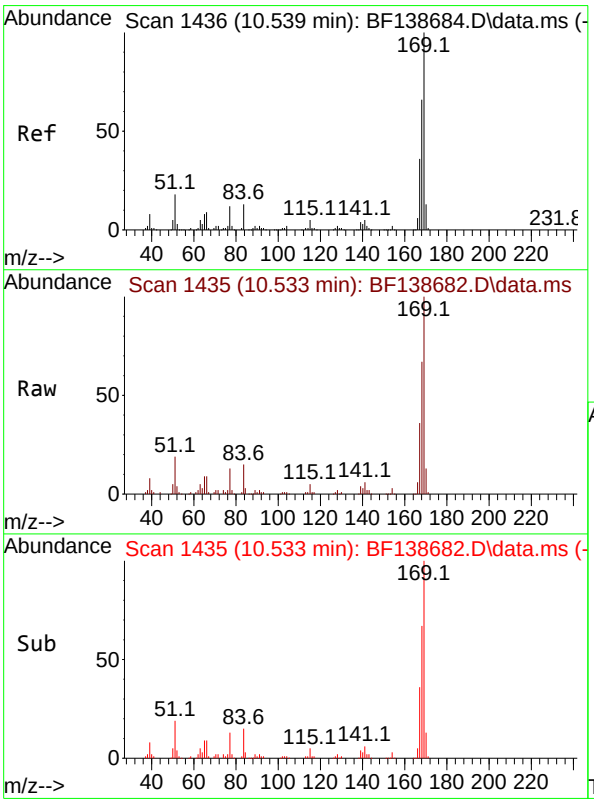
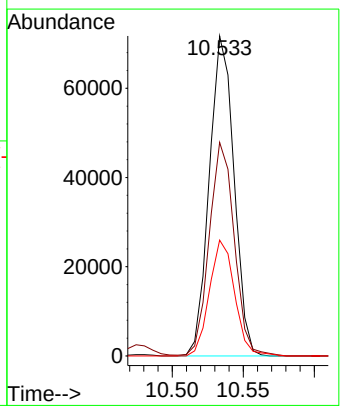


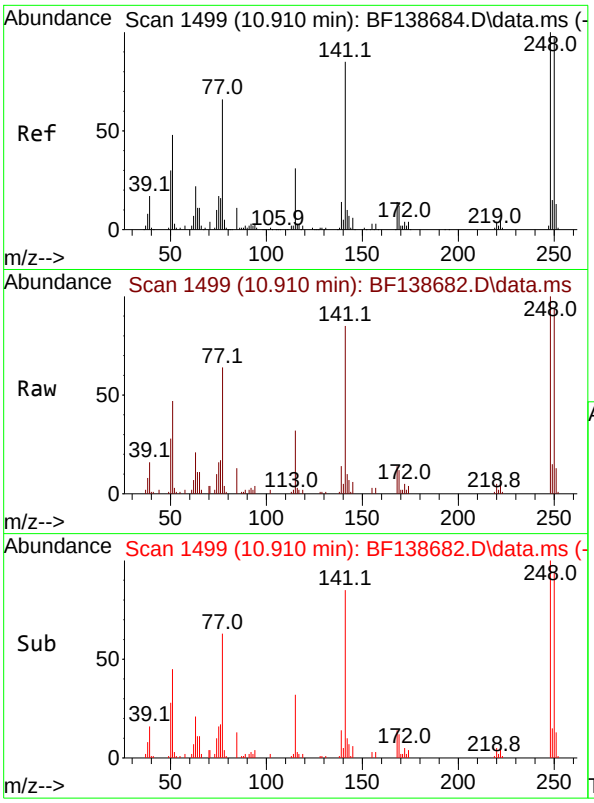


#66
n-Nitrosodiphenylamine
Concen: 10.316 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:169 Resp: 86813

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	36.2	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 10.124 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 2951

Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.7	116.5
141	84.6	68.0	102.0

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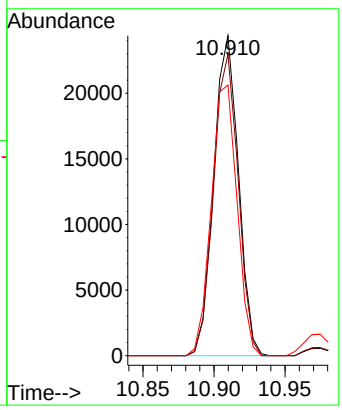
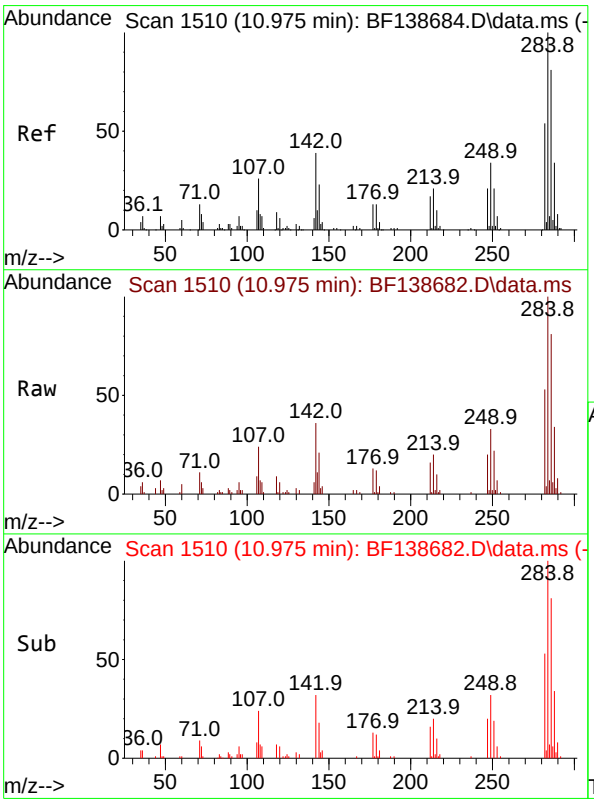
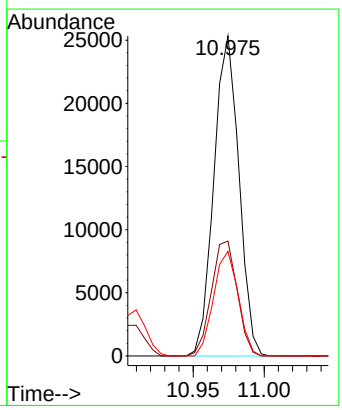


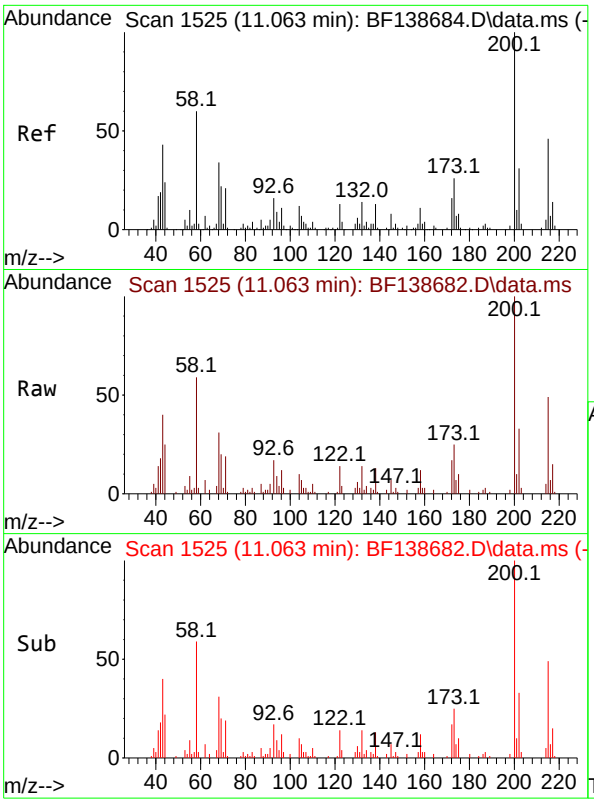


#68
Hexachlorobenzene
Concen: 10.317 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:284 Resp: 31049

Ion	Ratio	Lower	Upper
284	100		
142	35.9	31.3	46.9
249	32.7	27.2	40.8

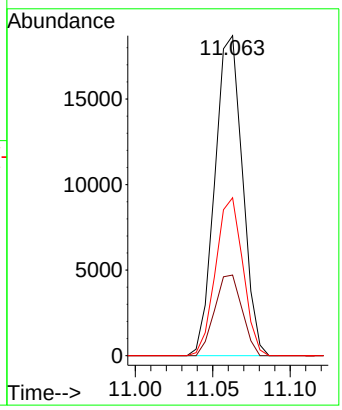




#69
Atrazine
Concen: 10.680 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:200 Resp: 2318

Ion	Ratio	Lower	Upper
200	100		
173	25.2	6.0	46.0
215	49.3	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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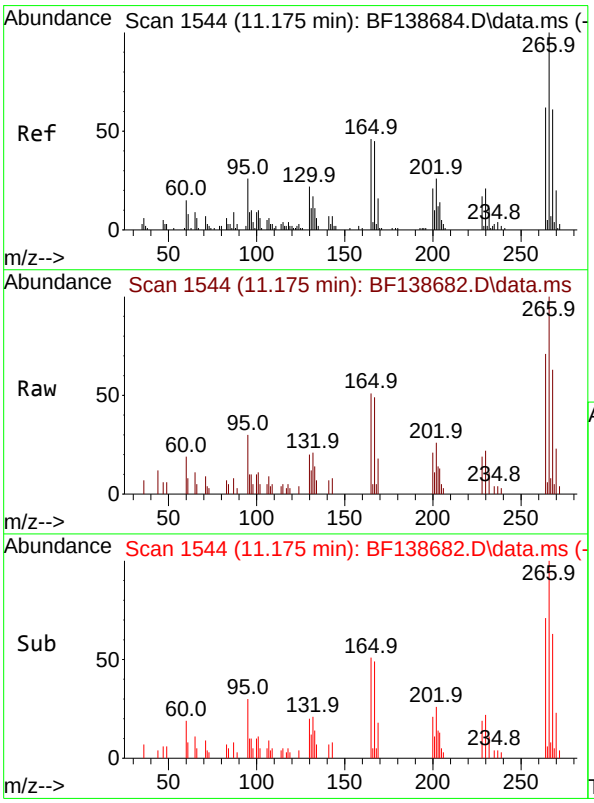
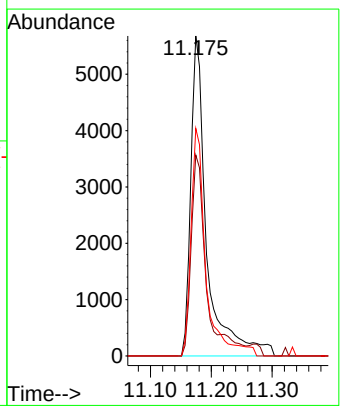
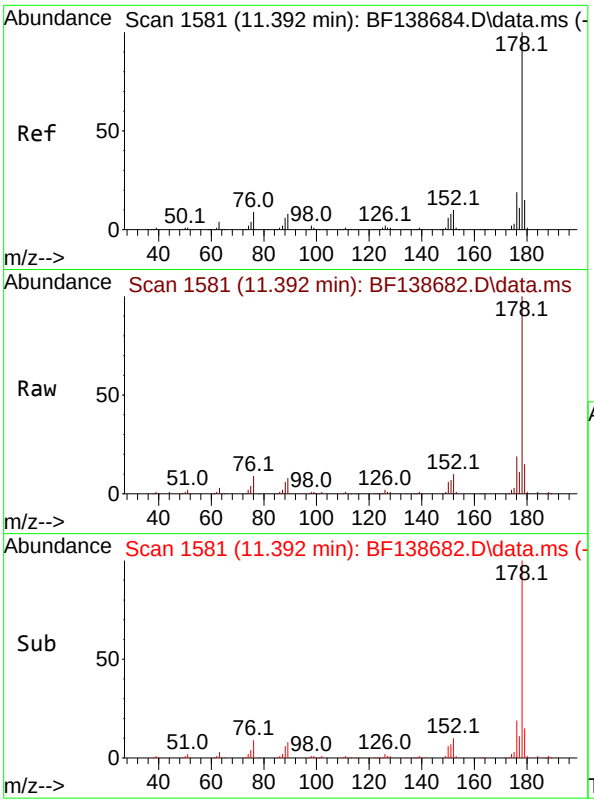


#70
Pentachlorophenol
Concen: 7.661 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:266 Resp: 10392

Ion	Ratio	Lower	Upper
266	100		
268	62.8	49.2	73.8
264	71.1	49.8	74.6

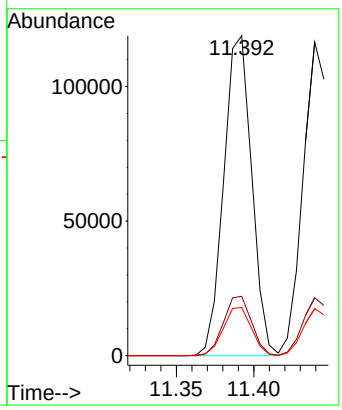




#71
Phenanthrene
Concen: 10.766 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:178 Resp: 14925

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
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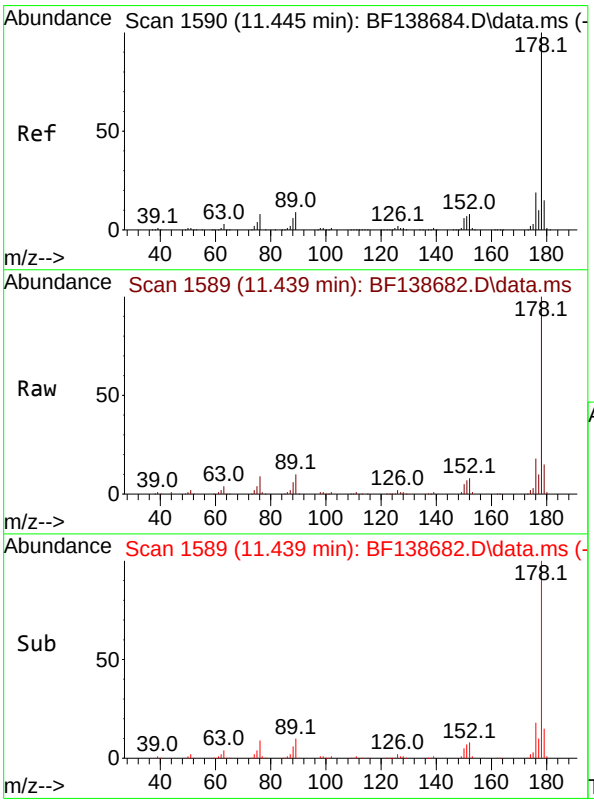
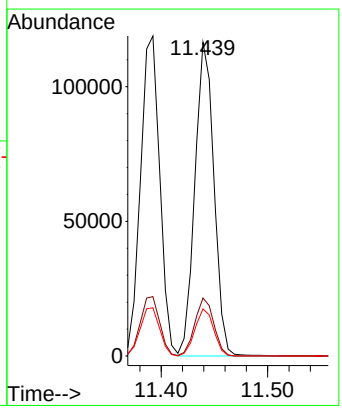
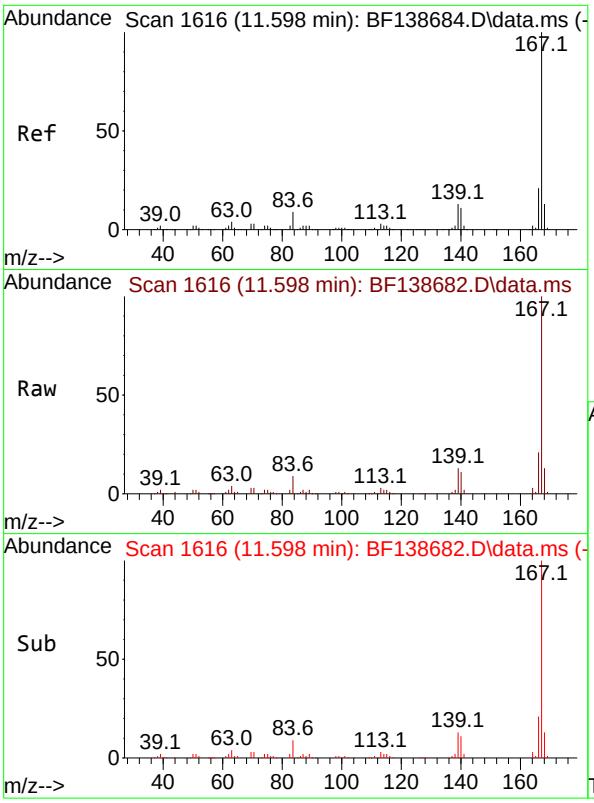


#72
Anthracene
Concen: 10.620 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:178 Resp: 145043

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.0	12.4	18.6

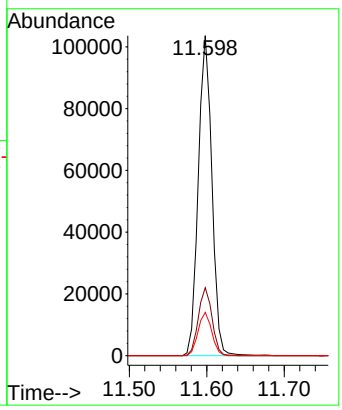




#73
Carbazole
Concen: 10.721 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:167 Resp: 12632

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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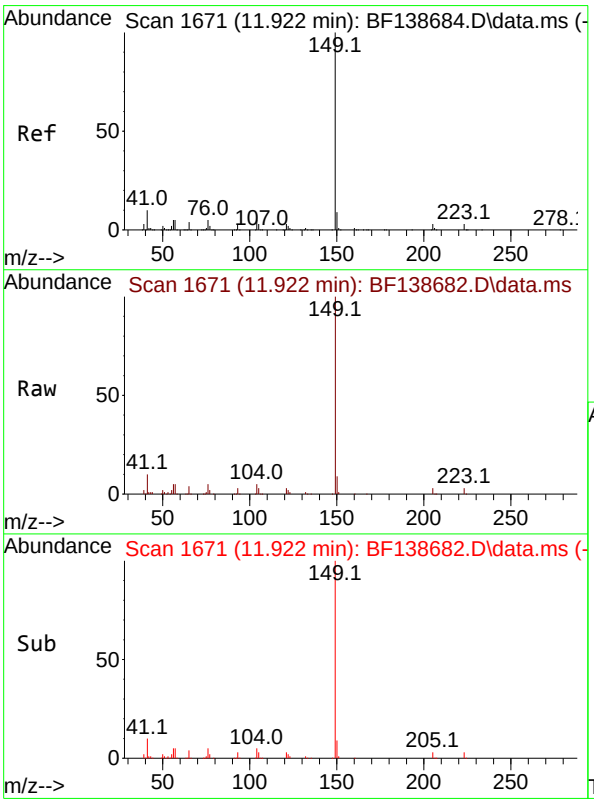
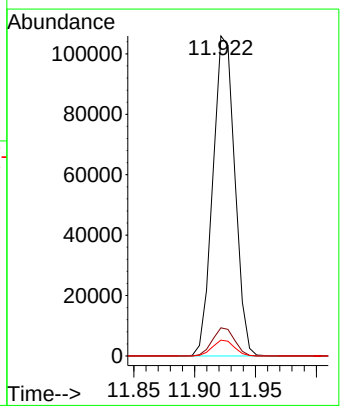
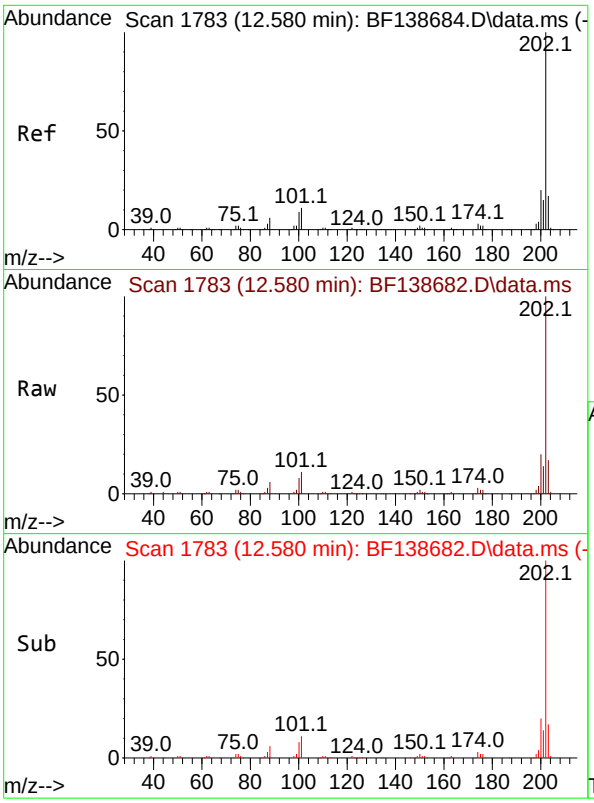


#74
Di-n-butylphthalate
Concen: 10.060 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 133246

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.0	4.1	6.1

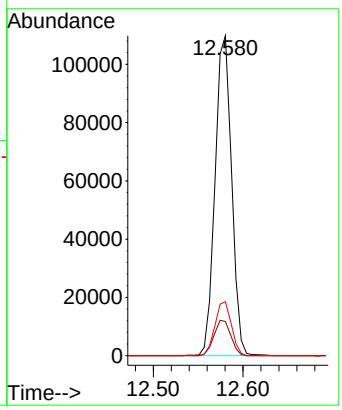




#75
Fluoranthene
Concen: 10.871 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:202 Resp: 14069

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.2
203	16.8	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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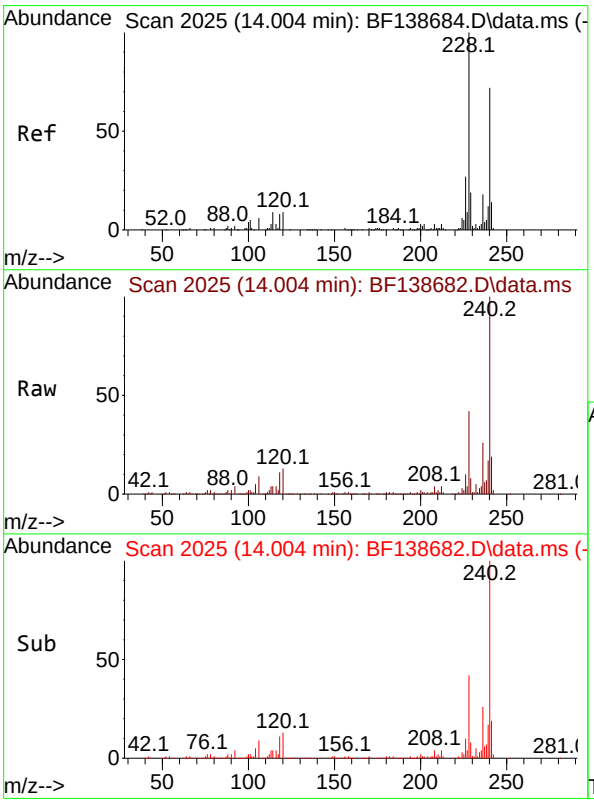
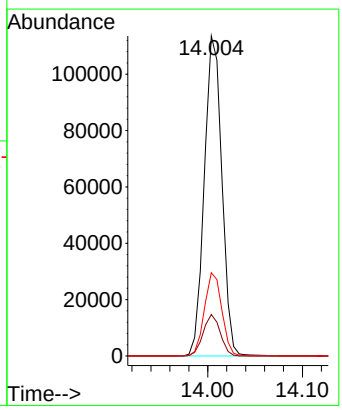
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

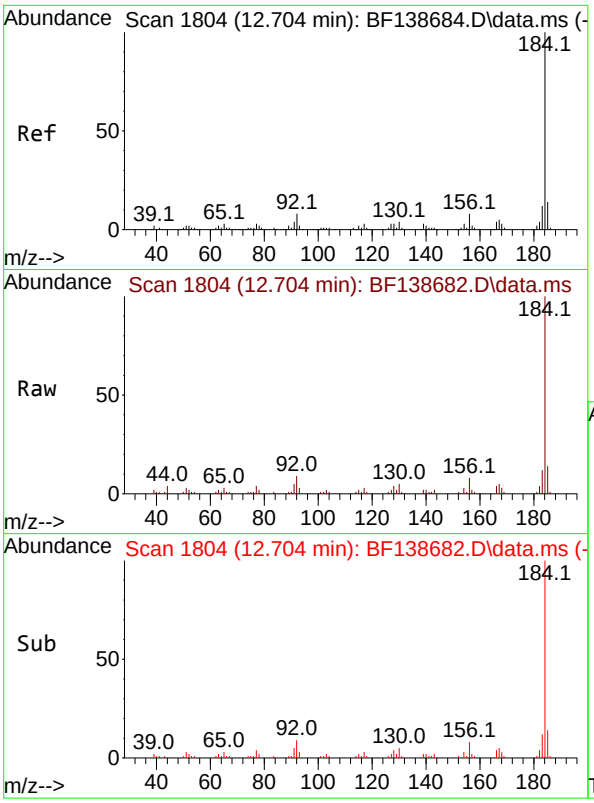


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:240 Resp: 146258

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.2	15.4
236	26.0	19.8	29.8

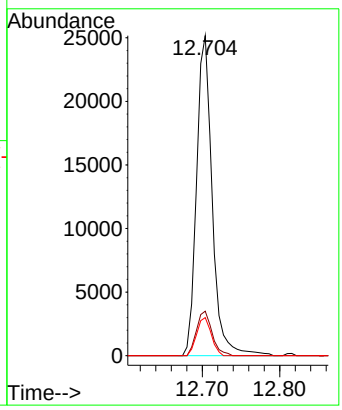




#77
Benzidine
Concen: 10.080 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:184 Resp: 3526

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.1	16.7
183	11.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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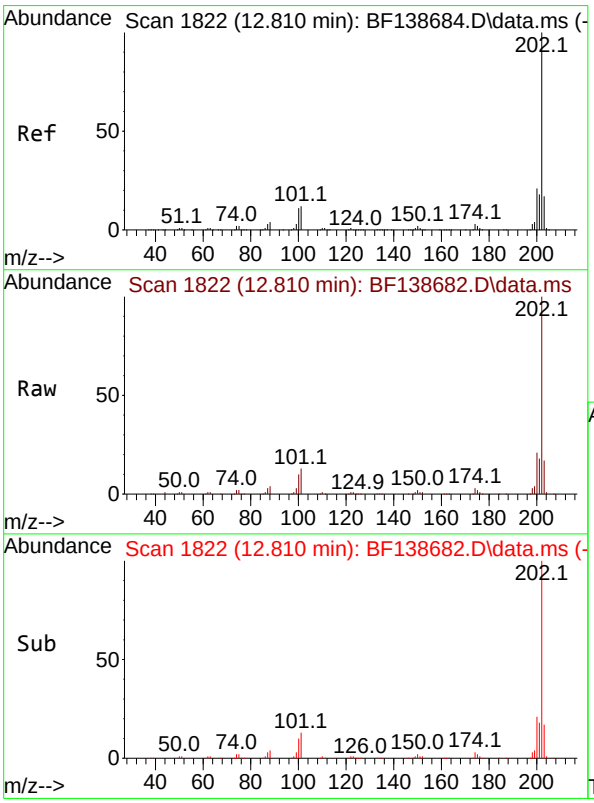
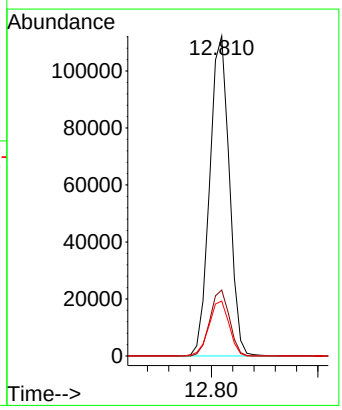
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

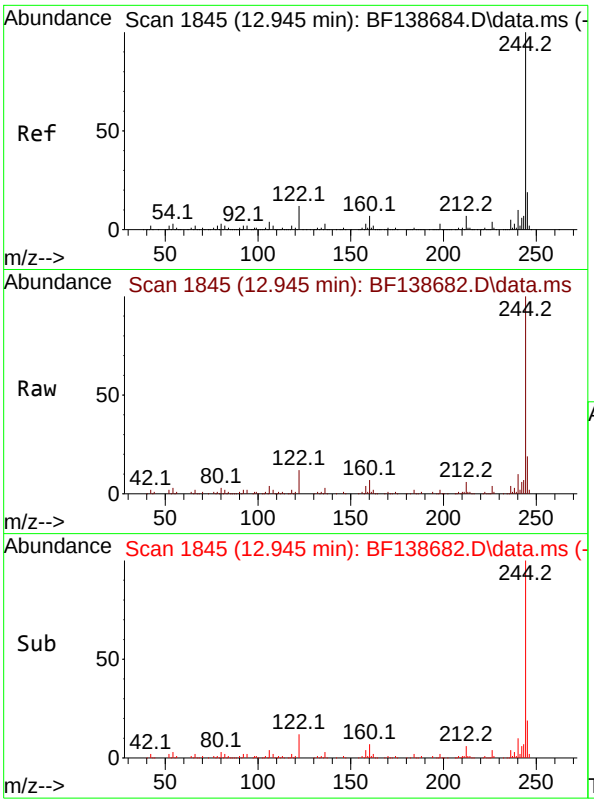


#78
Pyrene
Concen: 10.400 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:202 Resp: 143221

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.8	25.2
203	17.2	13.8	20.6

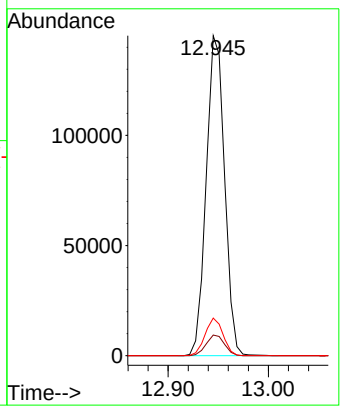




#79
Terphenyl-d14
Concen: 21.187 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:244 Resp: 18507

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	11.8	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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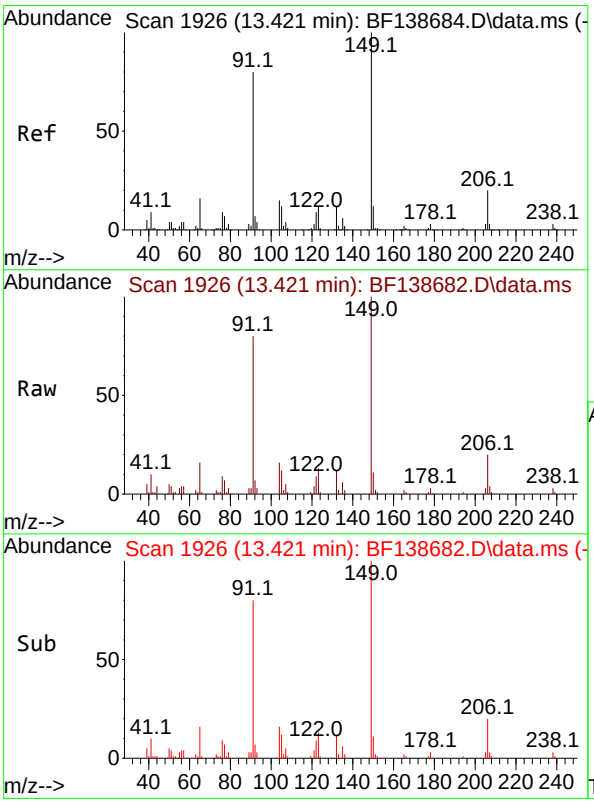
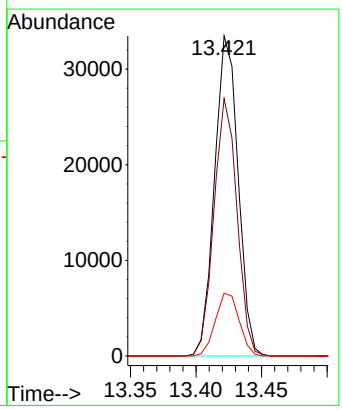
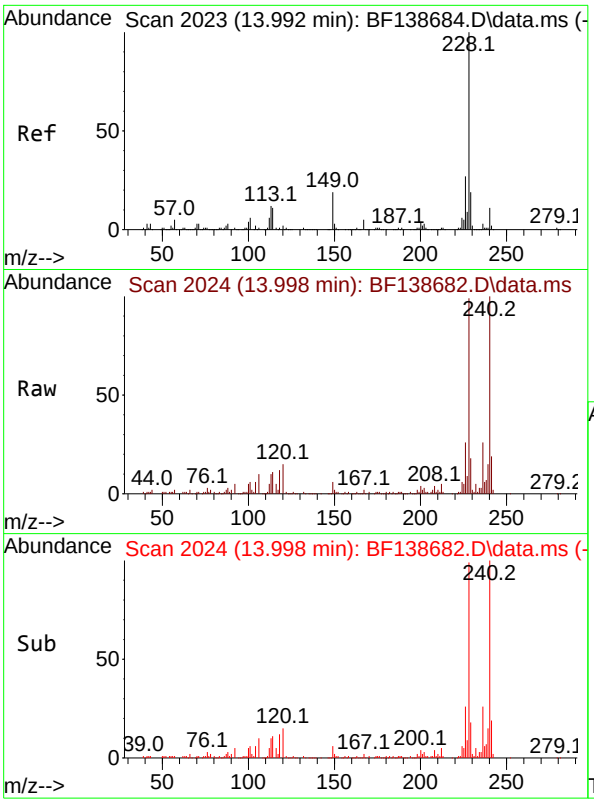


#80
Butylbenzylphthalate
Concen: 9.472 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 41771

Ion	Ratio	Lower	Upper
149	100		
91	80.4	63.7	95.5
206	19.6	16.2	24.2

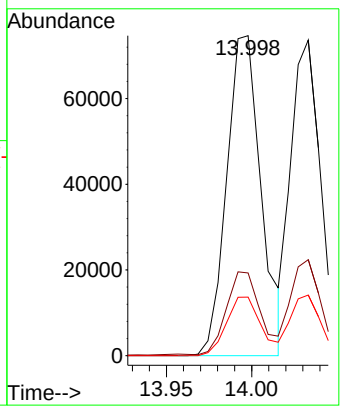




#81
Benzo(a)anthracene
Concen: 10.444 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:228 Resp: 10518

Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.1	33.1
229	18.3	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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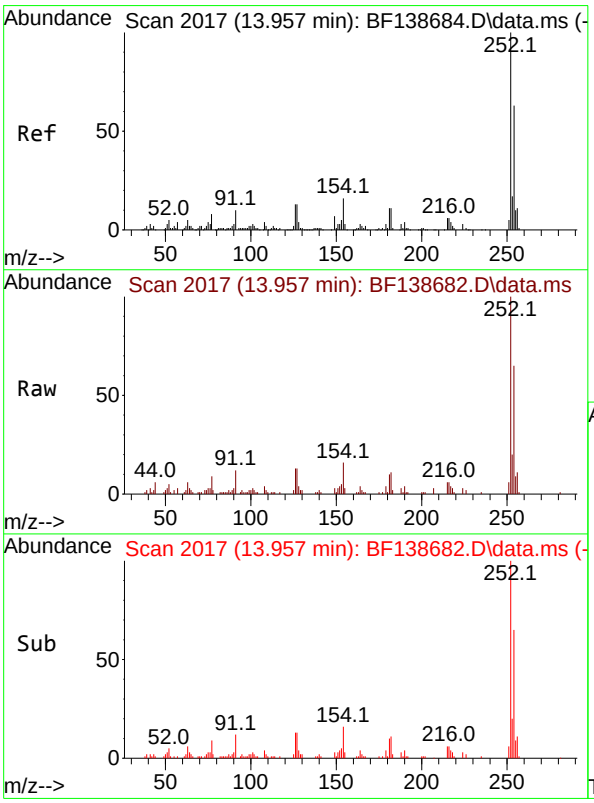
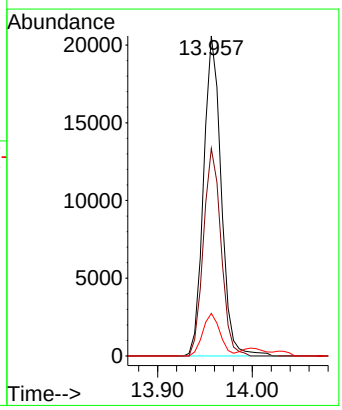
Supervised By :mohammad ahmed 07/31/2024

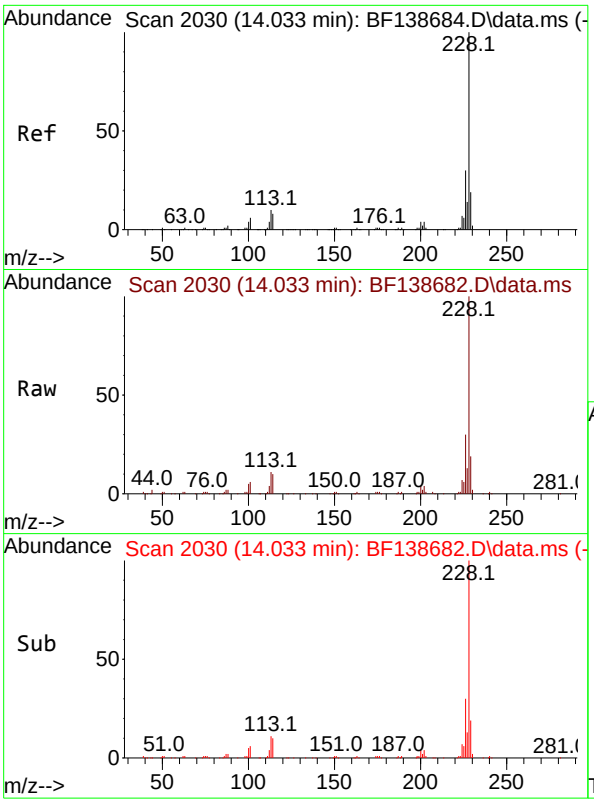


#82
3,3'-Dichlorobenzidine
Concen: 10.314 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 26584

Ion	Ratio	Lower	Upper
252	100		
254	64.9	50.8	76.2
126	13.3	10.2	15.2

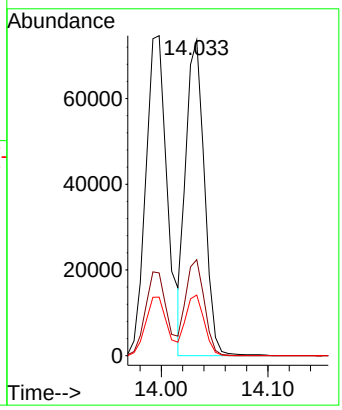




#83
Chrysene
Concen: 9.881 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:228 Resp: 8978

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	19.2	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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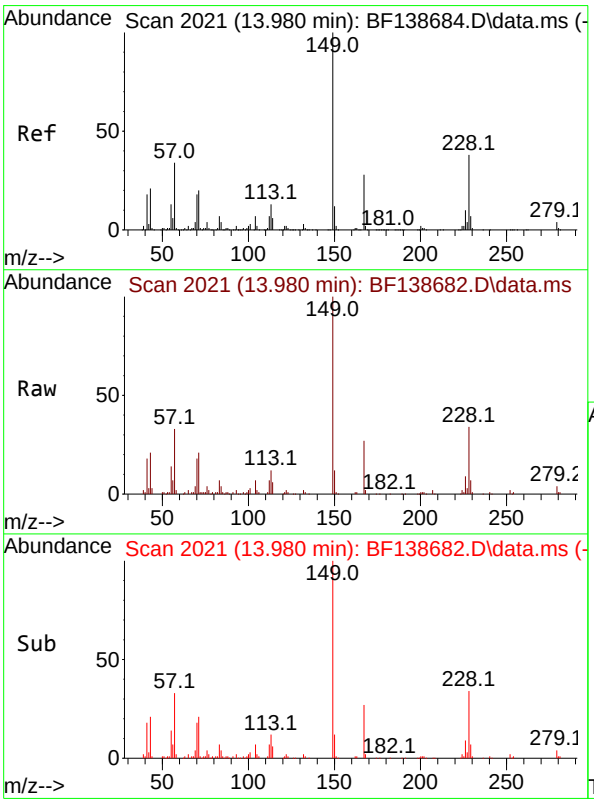
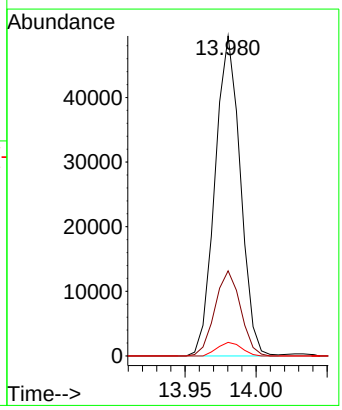
Supervised By :mohammad ahmed 07/31/2024

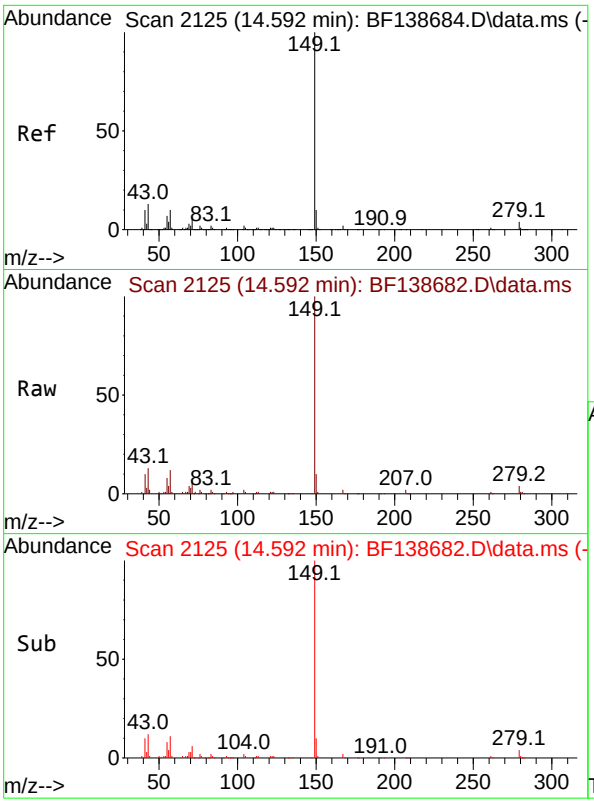


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.495 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 61314

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.4
279	4.3	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 9.329 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:149 Resp: 11146

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.8	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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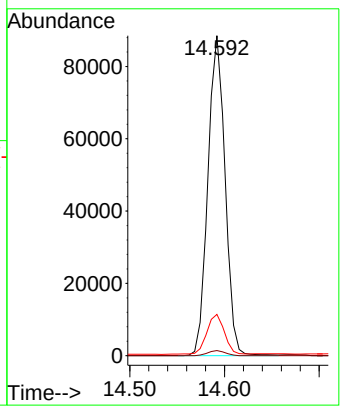
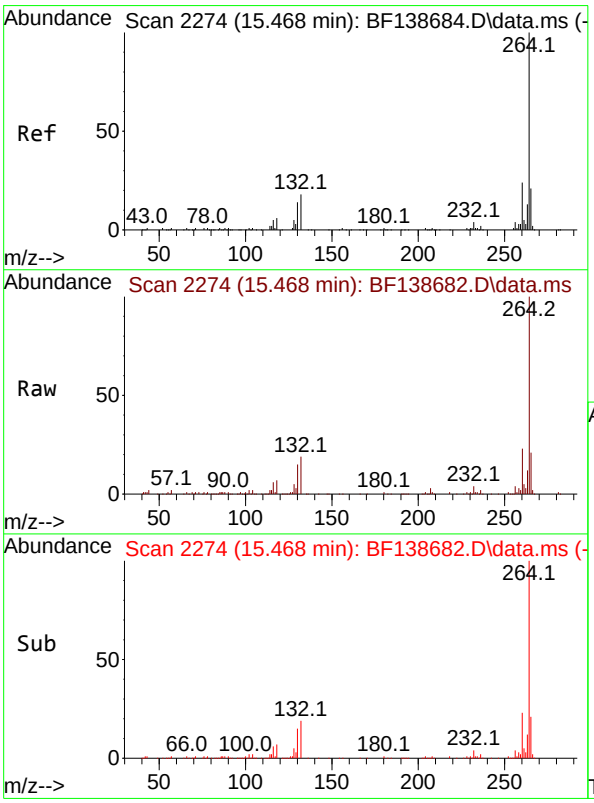
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

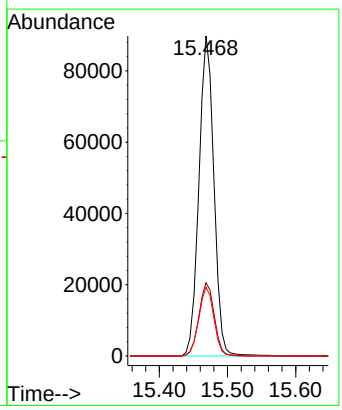


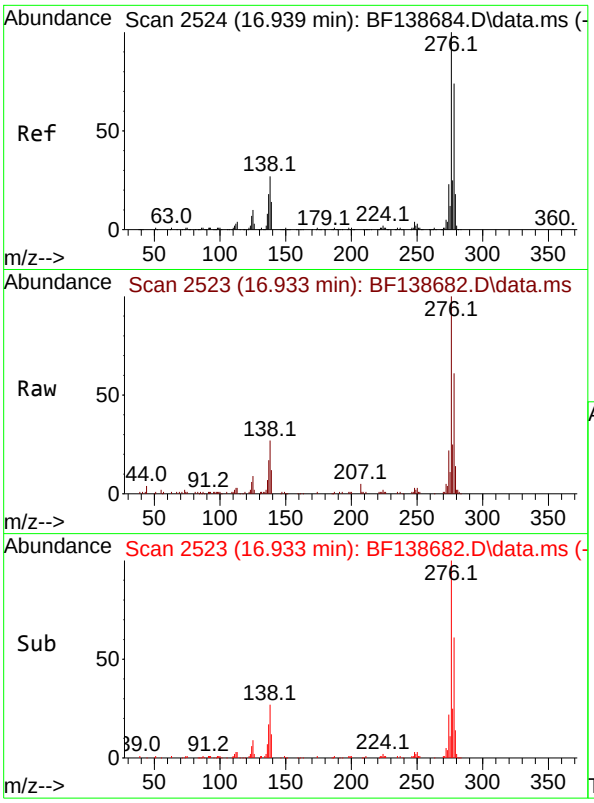


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:264 Resp: 137026

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.6
265	21.5	17.0	25.6

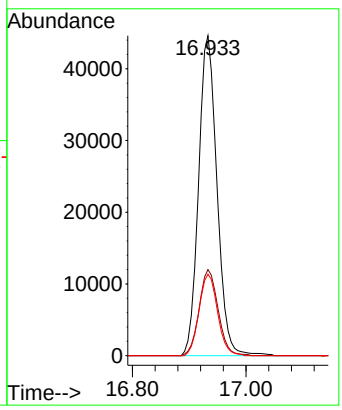




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.215 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:276 Resp: 10031

Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.8	32.8
277	25.5	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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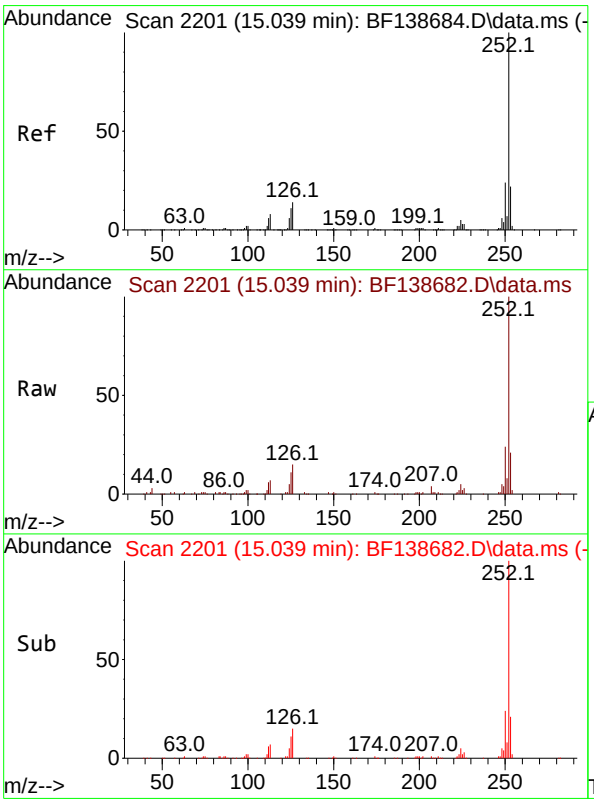
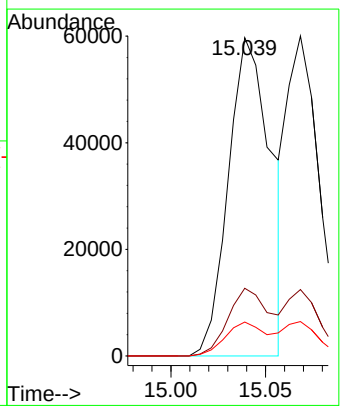
Supervised By :mohammad ahmed 07/31/2024

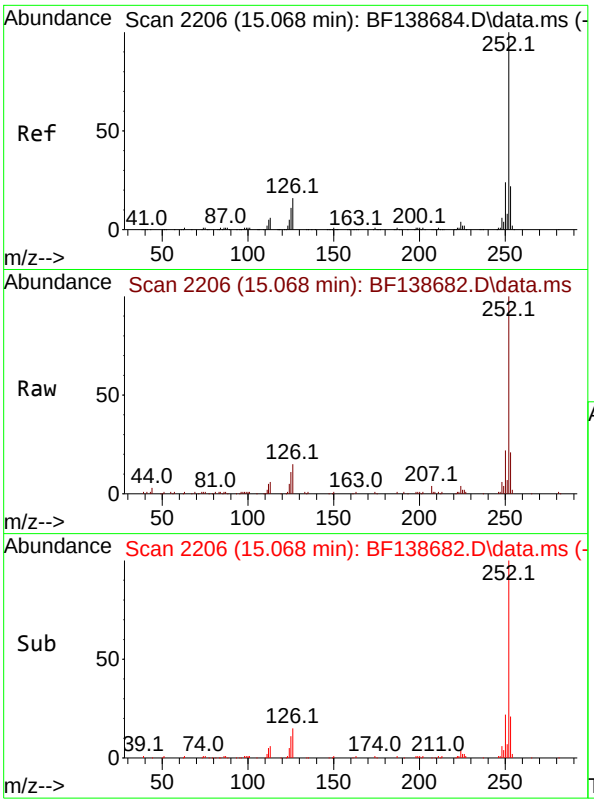


#88
Benzo(b)fluoranthene
Concen: 10.980 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 93263

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	10.7	8.9	13.3

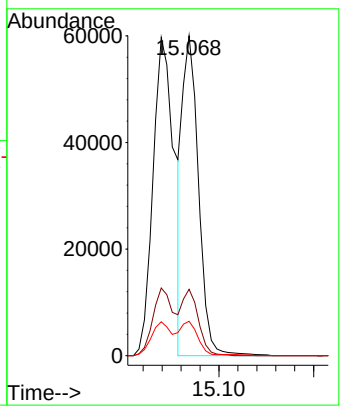




#89
Benzo(k)fluoranthene
Concen: 9.717 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 7146

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	10.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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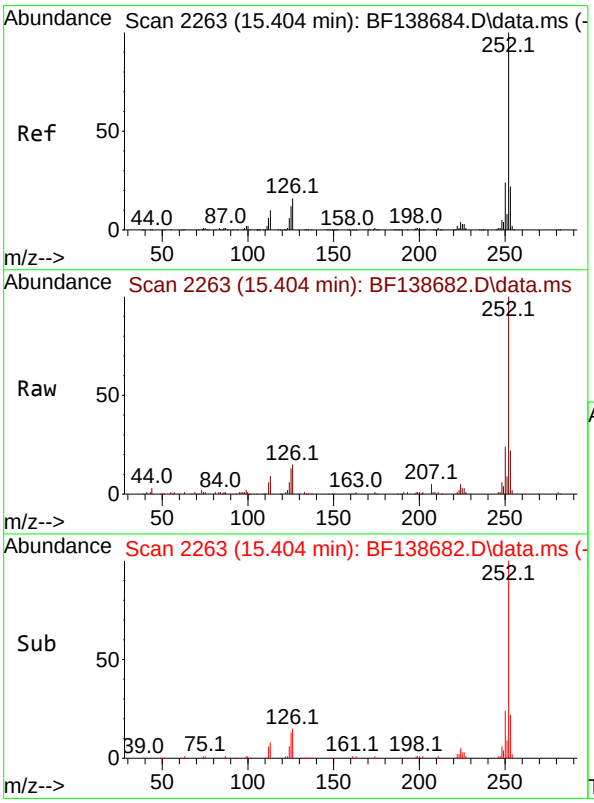
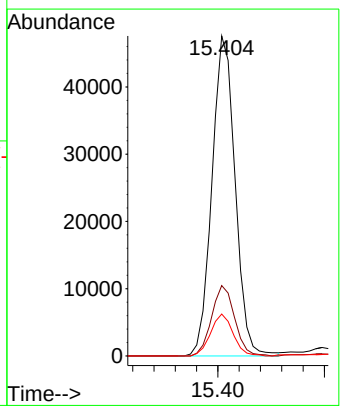
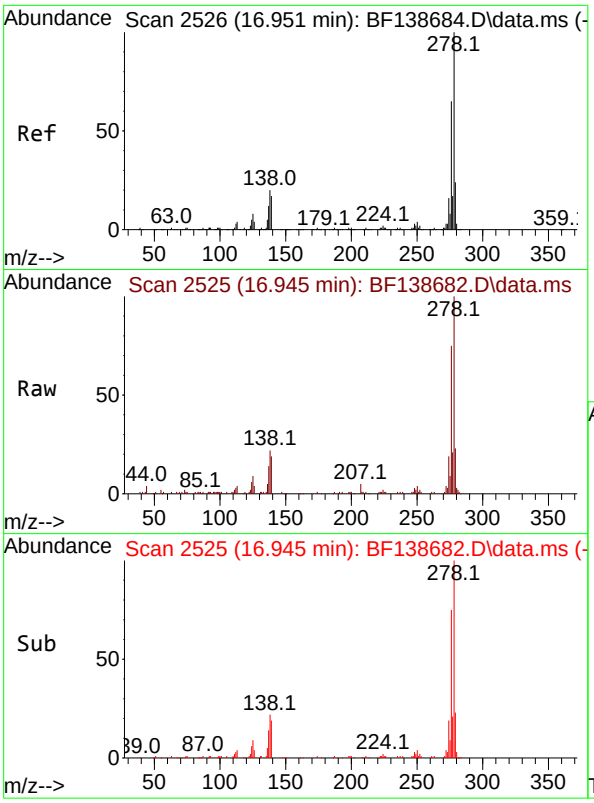


#90
Benzo(a)pyrene
Concen: 10.038 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 71724

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	13.1	9.5	14.3

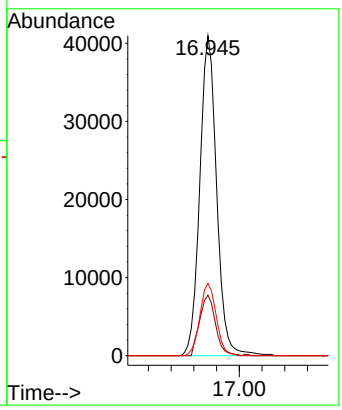




#91
Dibenzo(a,h)anthracene
Concen: 10.465 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:278 Resp: 8435

Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.0	21.0
279	22.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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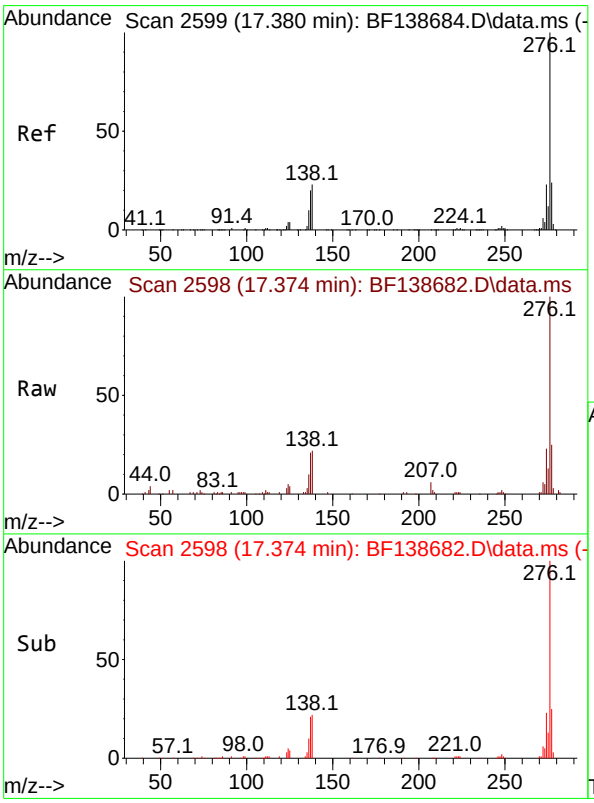
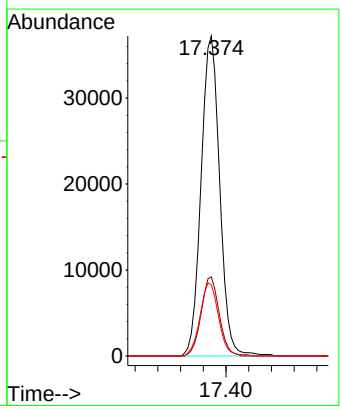
Supervised By :mohammad ahmed 07/31/2024



#92
Benzo(g,h,i)perylene
Concen: 10.110 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:276 Resp: 84564

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	22.3	18.5	27.7



Quantitation Report (QT Reviewed)

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Data File : BF138683.D
Acq On : 30 Jul 2024 14:25
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 30 17:43:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	73859	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	300790	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	166031	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	283009	20.000	ng	0.00
76) Chrysene-d12	14.010	240	137400	20.000	ng	0.00
86) Perylene-d12	15.469	264	137093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	198160	41.415	ng	0.00
7) Phenol-d6	6.481	99	269991	42.029	ng	0.00
23) Nitrobenzene-d5	7.410	82	255192	41.480	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	58374	42.922	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	465641	42.138	ng	0.00
79) Terphenyl-d14	12.951	244	374162	45.593	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.587	88	42900	20.480	ng	99
3) Pyridine	3.346	79	107346	21.154	ng	98
4) n-Nitrosodimethylamine	3.287	42	61242	20.264	ng	98
6) Aniline	6.504	93	125837	21.965	ng	98
8) 2-Chlorophenol	6.634	128	106548	21.166	ng	98
9) Benzaldehyde	6.399	77	81141	21.071	ng	100
10) Phenol	6.493	94	141295	20.890	ng	95
11) bis(2-Chloroethyl)ether	6.581	93	105905	20.347	ng	98
12) 1,3-Dichlorobenzene	6.787	146	118768	21.077	ng	99
13) 1,4-Dichlorobenzene	6.863	146	119642	21.039	ng	99
14) 1,2-Dichlorobenzene	7.016	146	113116	21.284	ng	100
15) Benzyl Alcohol	6.987	79	98544	21.284	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	191406	21.369	ng	94
17) 2-Methylphenol	7.098	107	87392	21.024	ng	98
18) Hexachloroethane	7.357	117	44140	20.620	ng	99
19) n-Nitroso-di-n-propyla...	7.251	70	82912	21.369	ng	98
20) 3+4-Methylphenols	7.257	107	115081	21.577	ng	94
22) Acetophenone	7.251	105	152730	20.738	ng	100
24) Nitrobenzene	7.428	77	130332	20.819	ng	98
25) Isophorone	7.663	82	220971	21.034	ng	99
26) 2-Nitrophenol	7.745	139	56578	21.006	ng	99
27) 2,4-Dimethylphenol	7.781	122	66449	20.620	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	135096	21.118	ng	100
29) 2,4-Dichlorophenol	7.992	162	88156	21.289	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	98908	20.697	ng	98
31) Naphthalene	8.151	128	333821	21.084	ng	99
32) Benzoic acid	7.887	122	47452	18.740	ng	97
33) 4-Chloroaniline	8.198	127	111005	20.887	ng	98
34) Hexachlorobutadiene	8.263	225	60058	20.749	ng	98
35) Caprolactam	8.557	113	26359	21.333	ng	98
36) 4-Chloro-3-methylphenol	8.681	107	103141	21.794	ng	99
37) 2-Methylnaphthalene	8.840	142	213210	21.323	ng	99
38) 1-Methylnaphthalene	8.940	142	208242	21.253	ng	99
40) 1,2,4,5-Tetrachloroben...	9.004	216	96503	20.924	ng	98
41) Hexachlorocyclopentadiene	8.987	237	16767	19.505	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	58575	20.830	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138683.D
Acq On : 30 Jul 2024 14:25
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 30 17:43:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	64272	20.907	ng	97
46) 1,1'-Biphenyl	9.298	154	270560	20.807	ng	100
47) 2-Chloronaphthalene	9.328	162	201367	20.822	ng	98
48) 2-Nitroaniline	9.428	65	68663	20.943	ng	97
49) Acenaphthylene	9.739	152	289321	21.093	ng	99
50) Dimethylphthalate	9.598	163	226938	21.376	ng	99
51) 2,6-Dinitrotoluene	9.663	165	50501	21.078	ng	94
52) Acenaphthene	9.916	154	194057	21.047	ng	100
53) 3-Nitroaniline	9.834	138	52618	21.244	ng	95
54) 2,4-Dinitrophenol	9.945	184	23573	21.374	ng	92
55) Dibenzofuran	10.086	168	276572	21.249	ng	99
56) 4-Nitrophenol	10.004	139	30898	20.745	ng	98
57) 2,4-Dinitrotoluene	10.069	165	66734	21.832	ng	97
58) Fluorene	10.428	166	224349	21.646	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	49368	21.005	ng	97
60) Diethylphthalate	10.298	149	219374	21.793	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	109862	21.552	ng	99
62) 4-Nitroaniline	10.445	138	51964	22.077	ng	98
63) Azobenzene	10.581	77	240769	21.566	ng	100
65) 4,6-Dinitro-2-methylph...	10.481	198	34887	20.206	ng	99
66) n-Nitrosodiphenylamine	10.539	169	182551	20.636	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	64049	20.903	ng	99
68) Hexachlorobenzene	10.975	284	66331	20.966	ng	97
69) Atrazine	11.063	200	49863	21.847	ng	98
70) Pentachlorophenol	11.175	266	27470	19.263	ng	98
71) Phenanthrene	11.392	178	307735	21.117	ng	100
72) Anthracene	11.445	178	305147	21.256	ng	99
73) Carbazole	11.598	167	265973	21.474	ng	100
74) Di-n-butylphthalate	11.928	149	294214	21.131	ng	100
75) Fluoranthene	12.580	202	294039	21.613	ng	100
77) Benzidine	12.704	184	66561	20.254	ng	98
78) Pyrene	12.810	202	294030	22.728	ng	100
80) Butylbenzylphthalate	13.422	149	83162	20.074	ng	98
81) Benzo(a)anthracene	13.998	228	193671	20.469	ng	100
82) 3,3'-Dichlorobenzidine	13.957	252	51844	21.412	ng	99
83) Chrysene	14.033	228	173160	20.285	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	118293	19.500	ng	99
85) Di-n-octyl phthalate	14.592	149	221760	19.758	ng	100
87) Indeno(1,2,3-cd)pyrene	16.933	276	207968	21.168	ng	99
88) Benzo(b)fluoranthene	15.039	252	176387	20.755	ng	100
89) Benzo(k)fluoranthene	15.069	252	150547	20.460	ng	99
90) Benzo(a)pyrene	15.410	252	146767	20.531	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	171745	21.296	ng	99
92) Benzo(g,h,i)perylene	17.374	276	176662	21.110	ng	98

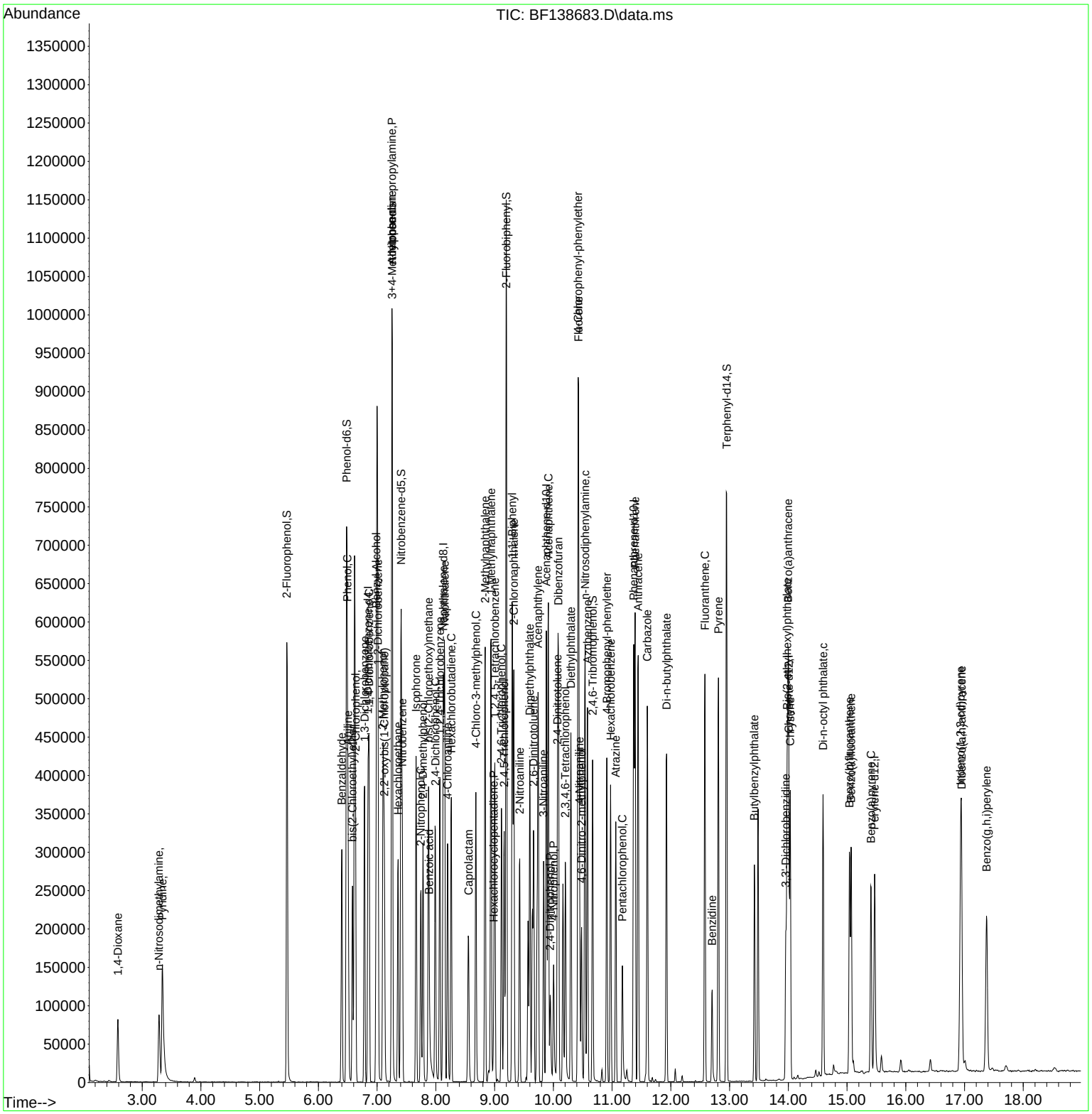
(#) = qualifier out of range (m) = manual integration (+) = signals summed

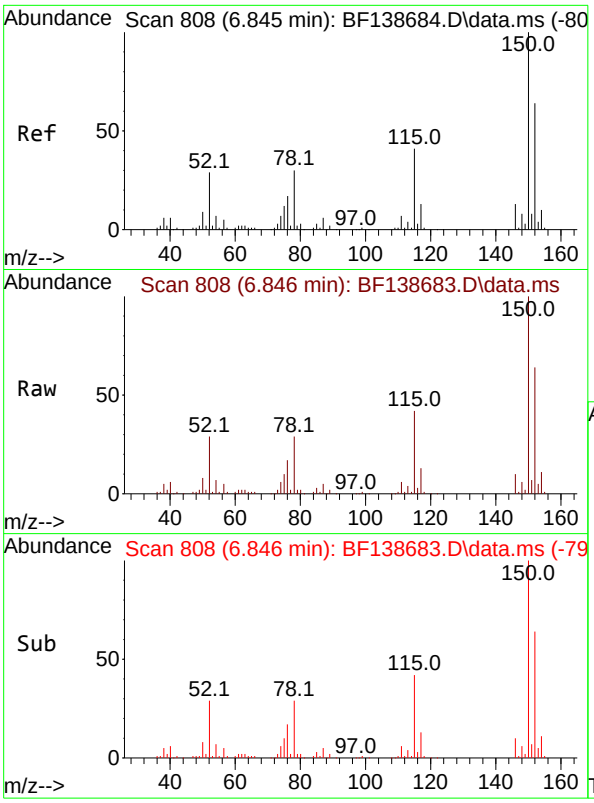
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138683.D
Acq On : 30 Jul 2024 14:25
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 30 17:43:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



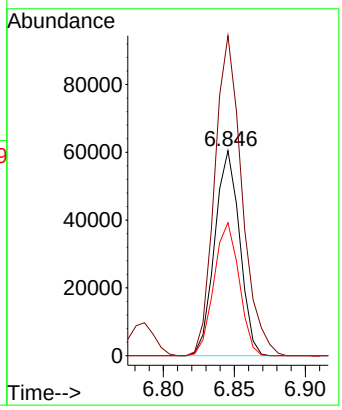


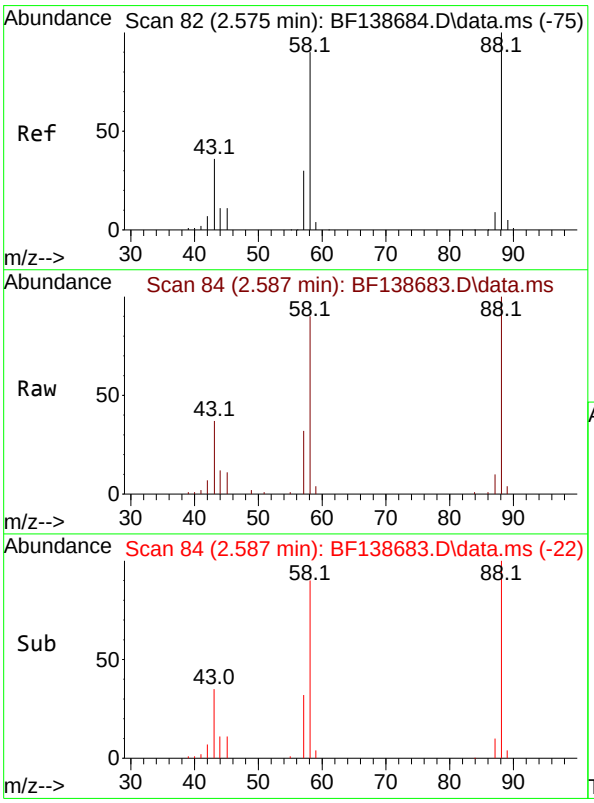
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 73859

Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.0	189.0
115	64.9	51.7	77.5

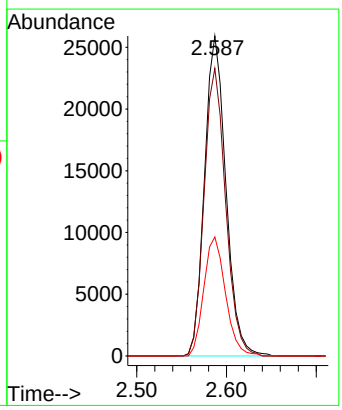


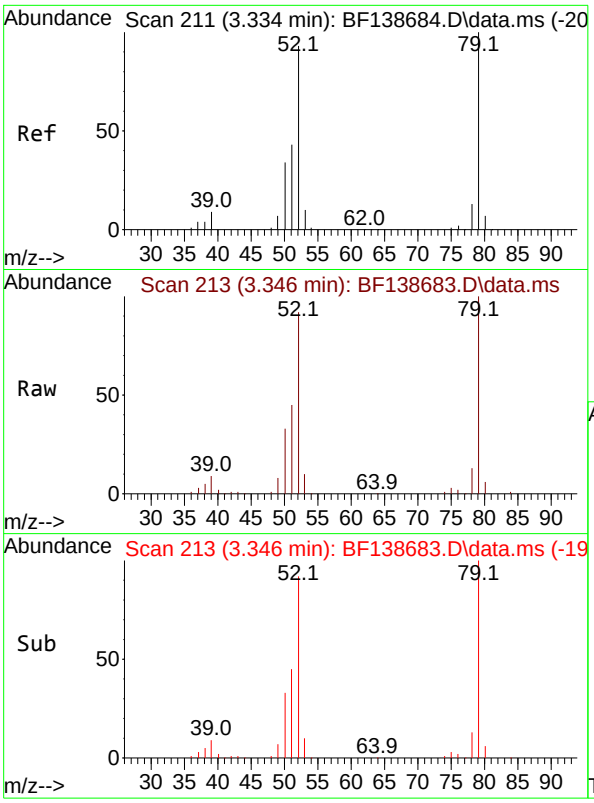


#2
1,4-Dioxane
Concen: 20.480 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 88 Resp: 42900

Ion	Ratio	Lower	Upper
88	100		
58	90.3	71.6	107.4
43	37.7	28.7	43.1



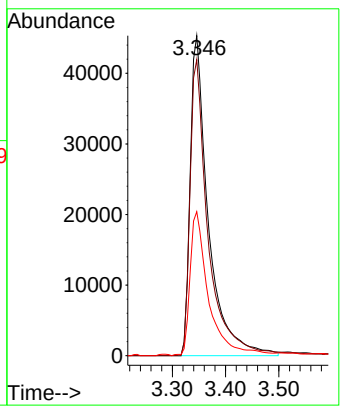


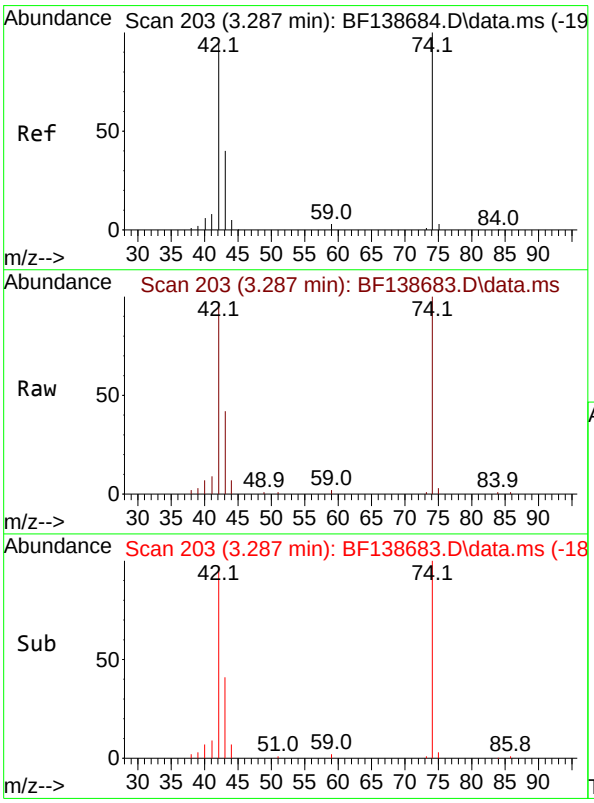
#3
Pyridine
Concen: 21.154 ng
RT: 3.346 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 107346

Ion	Ratio	Lower	Upper
79	100		
52	92.5	74.7	112.1
51	45.0	34.6	51.8

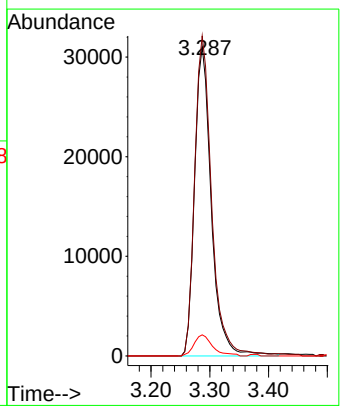


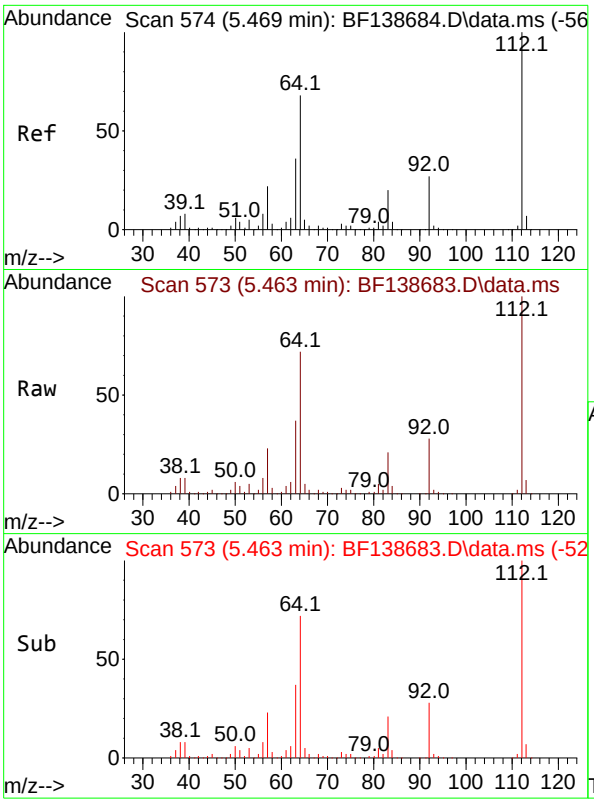


#4
n-Nitrosodimethylamine
Concen: 20.264 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 42 Resp: 61242

Ion	Ratio	Lower	Upper
42	100		
74	103.5	84.2	126.4
44	6.8	4.9	7.3



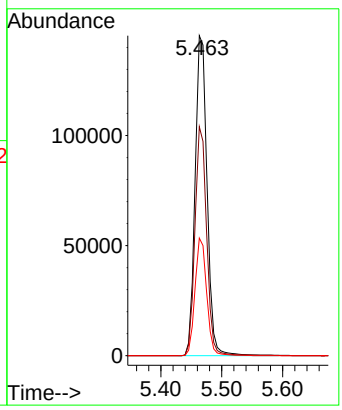


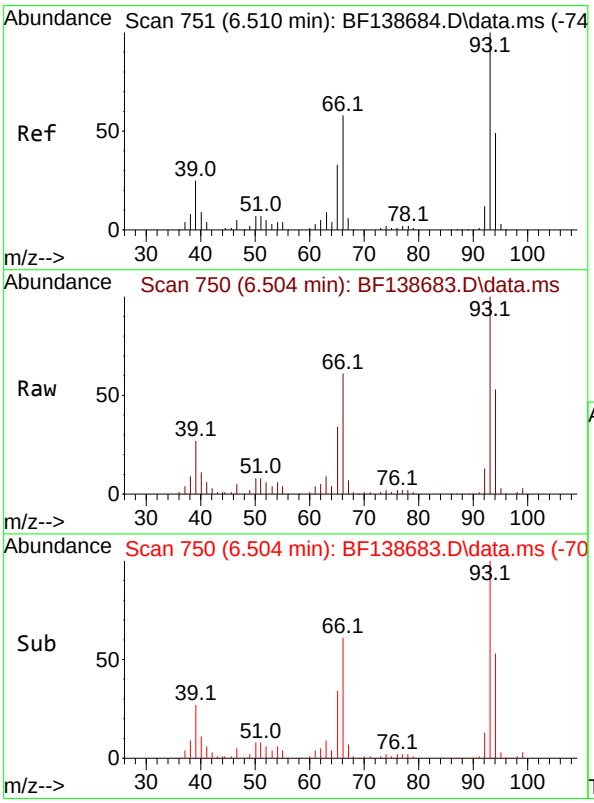
#5
2-Fluorophenol
Concen: 41.415 ng
RT: 5.463 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 198160

Ion	Ratio	Lower	Upper
112	100		
64	71.6	54.2	81.4
63	36.8	28.7	43.1

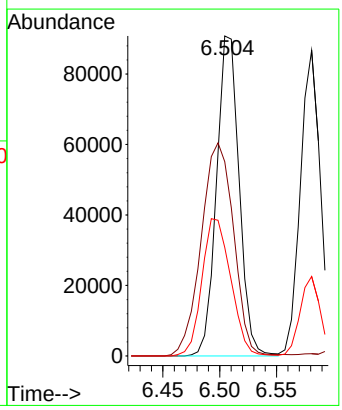


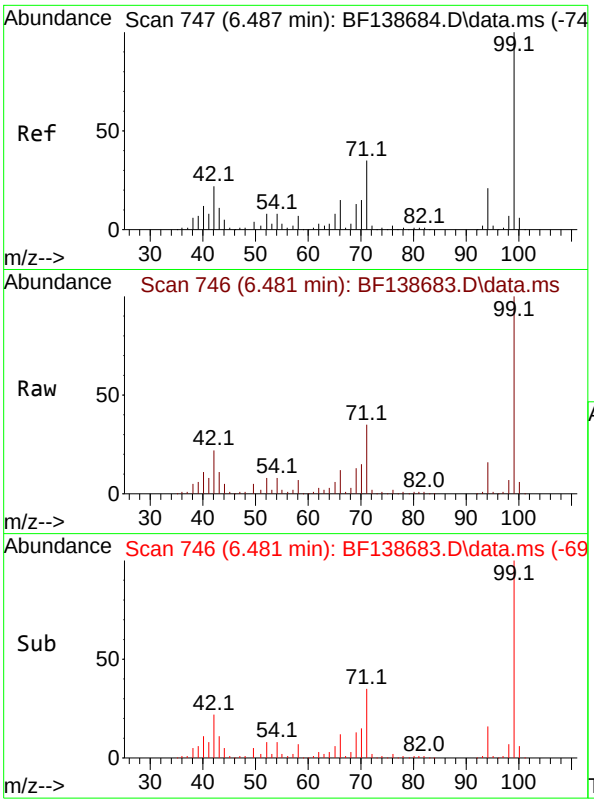


#6
Aniline
Concen: 21.965 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 93 Resp: 125837

Ion	Ratio	Lower	Upper
93	100		
66	60.7	46.9	70.3
65	33.9	26.5	39.7



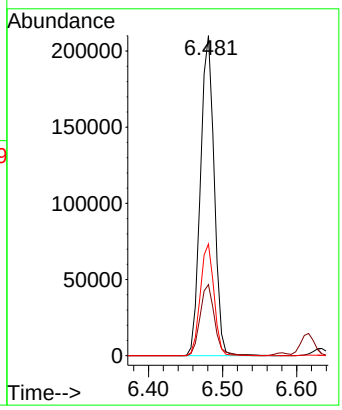


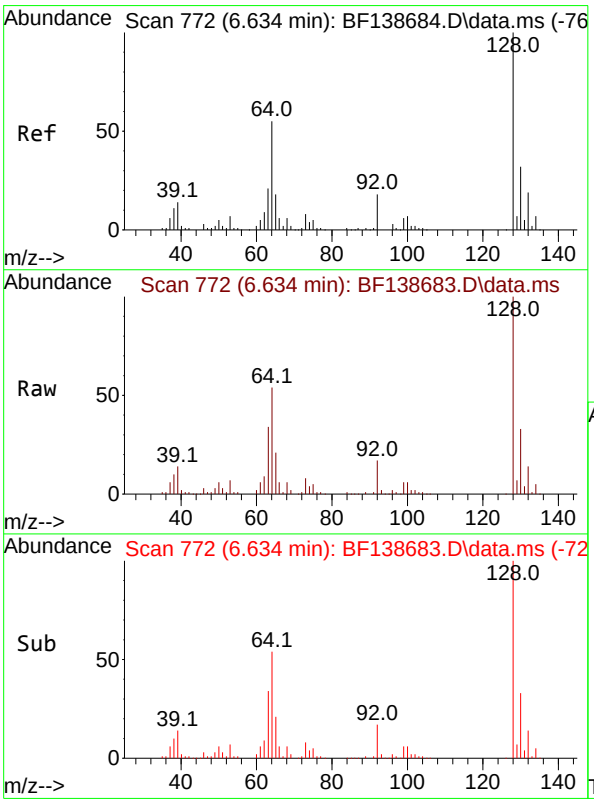
#7
Phenol-d6
Concen: 42.029 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 269991

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.0
71	34.9	28.1	42.1

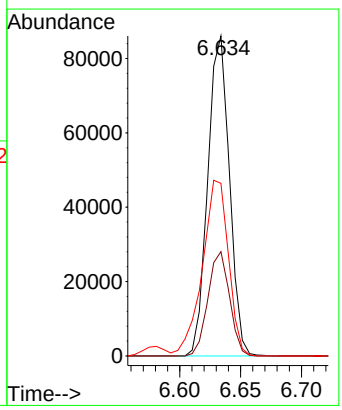


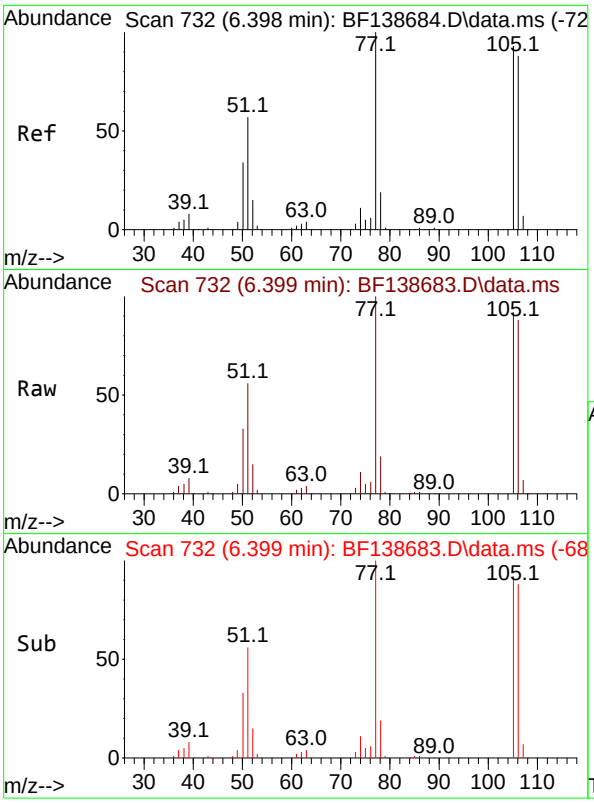


#8
2-Chlorophenol
Concen: 21.166 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:128 Resp: 106548

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.0	52.0
64	54.0	36.3	76.3



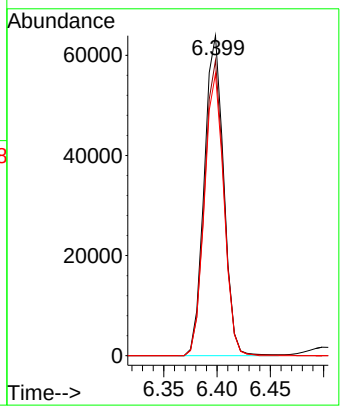


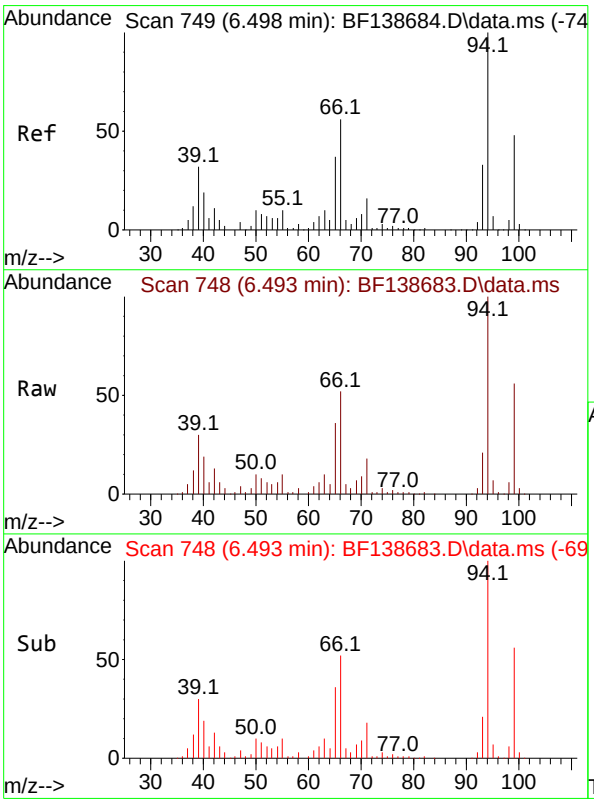
#9
Benzaldehyde
Concen: 21.071 ng
RT: 6.399 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 81141

Ion	Ratio	Lower	Upper
77	100		
105	92.3	72.9	112.9
106	88.2	68.4	108.4

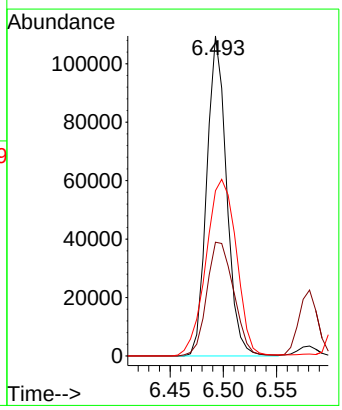


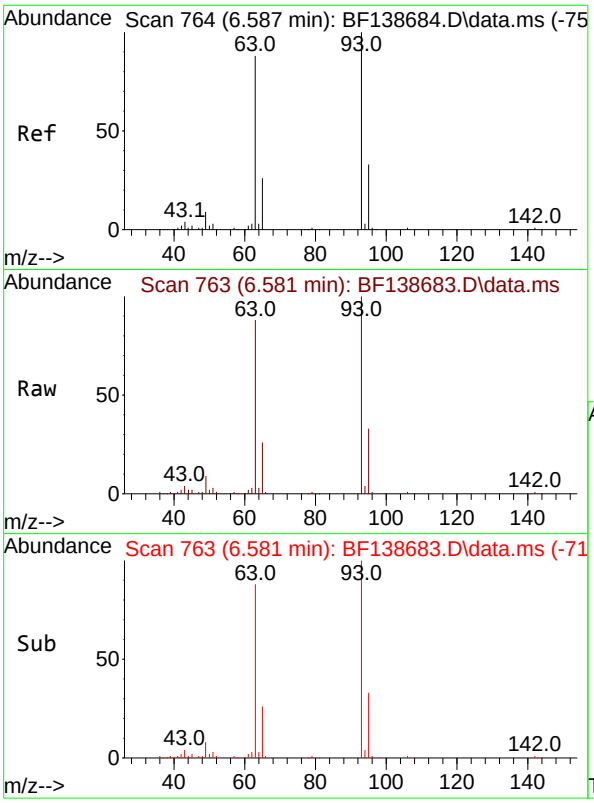


#10
Phenol
Concen: 20.890 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 94 Resp: 141295

Ion	Ratio	Lower	Upper
94	100		
65	35.6	16.9	56.9
66	51.7	36.5	76.5



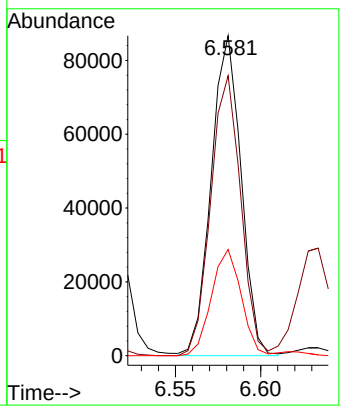


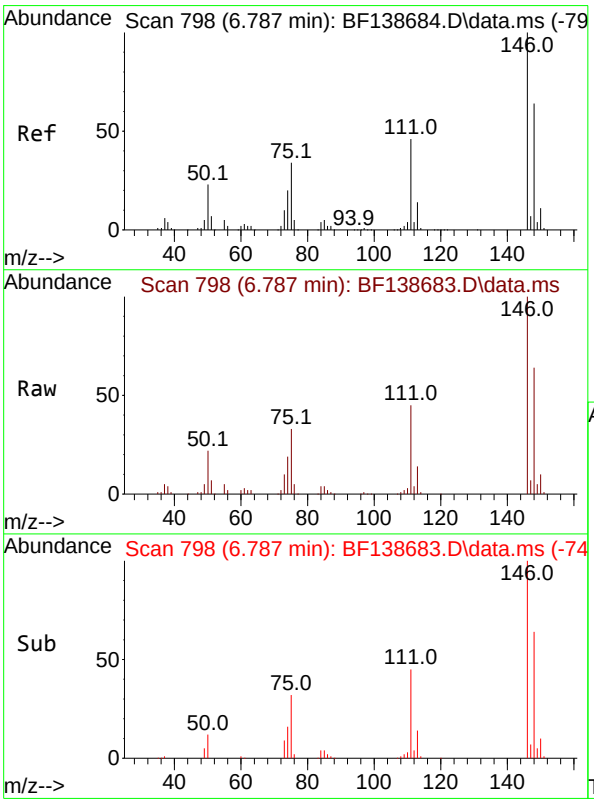
#11
bis(2-Chloroethyl)ether
Concen: 20.347 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 105905

Ion	Ratio	Lower	Upper
93	100		
63	87.5	65.3	105.3
95	33.2	12.4	52.4

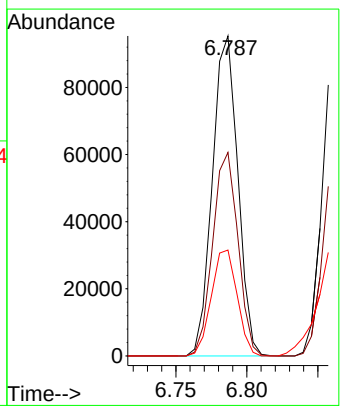


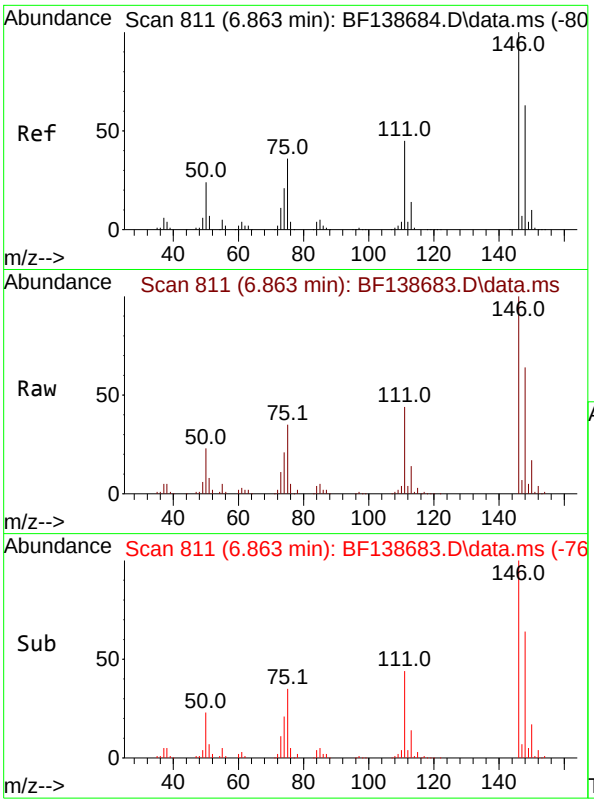


#12
1,3-Dichlorobenzene
Concen: 21.077 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:146 Resp: 118768

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	33.1	27.4	41.2



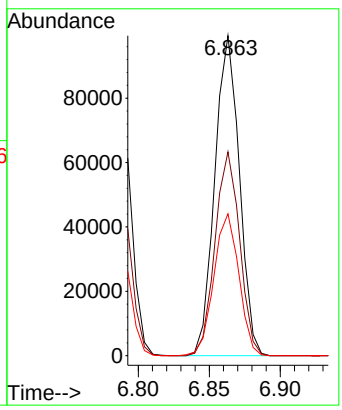


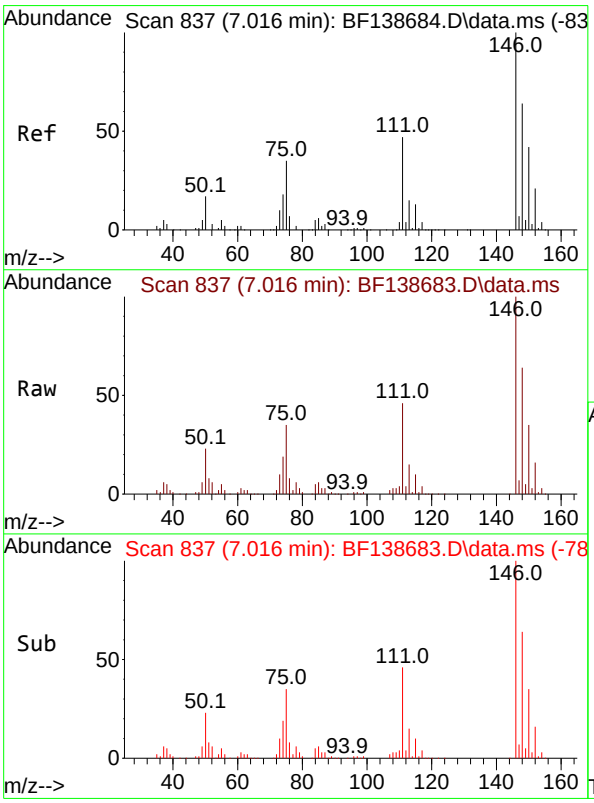
#13
1,4-Dichlorobenzene
Concen: 21.039 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 119642

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.2	75.2
111	44.4	35.9	53.9

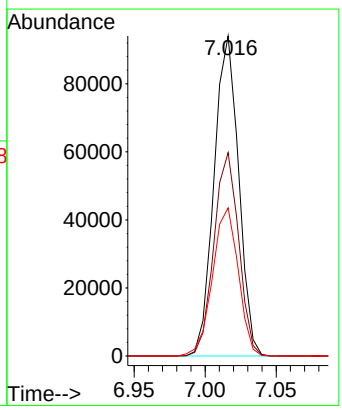


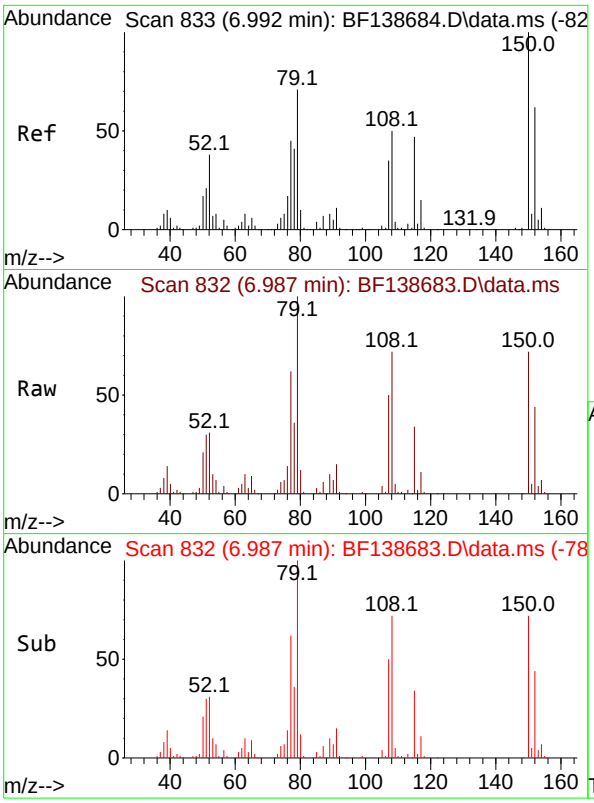


#14
1,2-Dichlorobenzene
Concen: 21.284 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:146 Resp: 113116

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	46.3	37.4	56.2



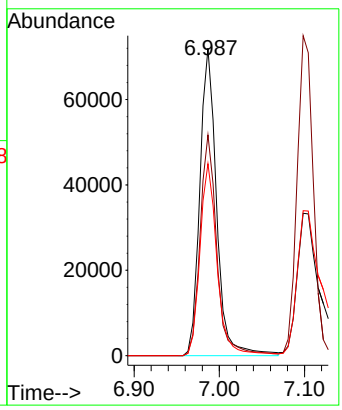


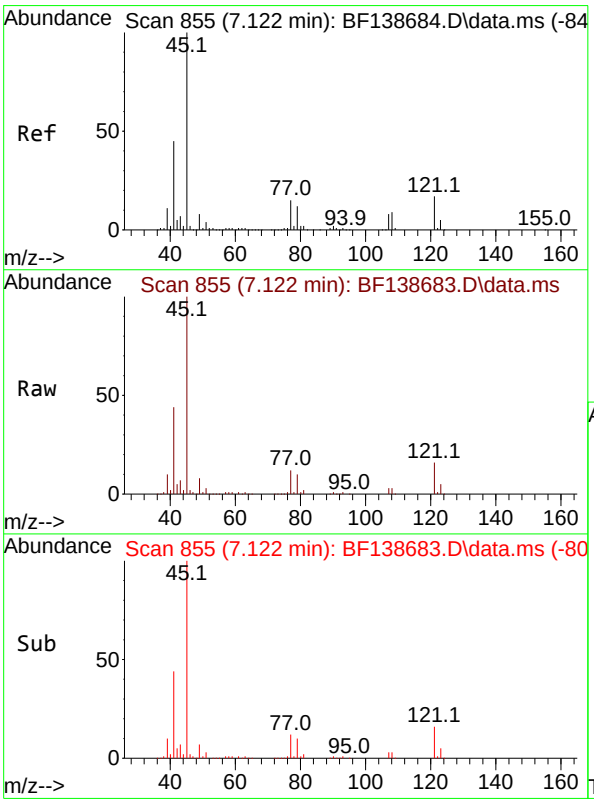
#15
Benzyl Alcohol
Concen: 21.284 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 98544

Ion	Ratio	Lower	Upper
79	100		
108	71.9	56.6	85.0
77	62.5	50.3	75.5

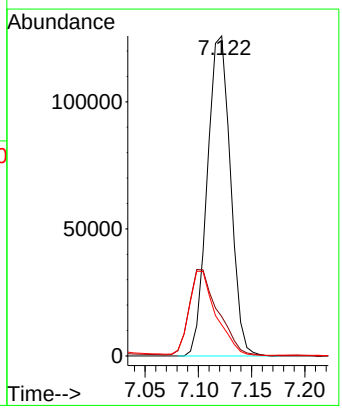


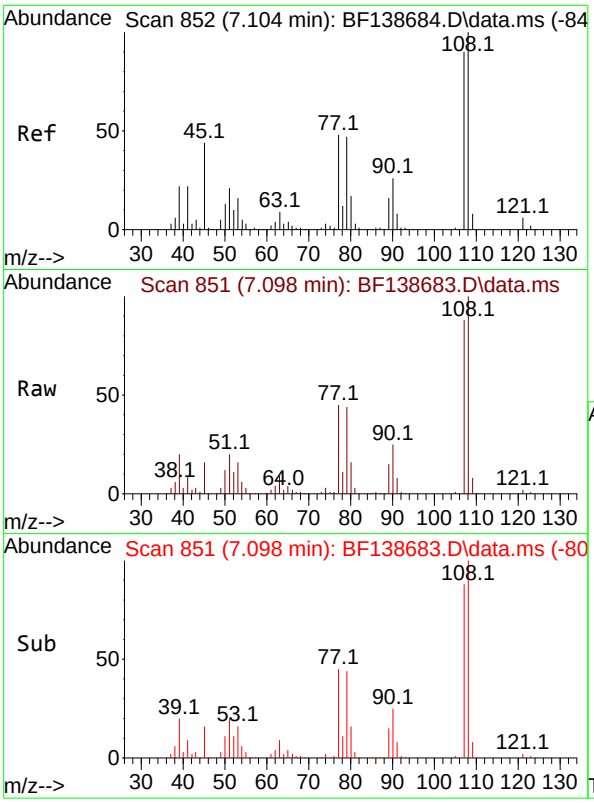


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.369 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 45 Resp: 191406

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	34.9
79	9.7	0.0	32.2



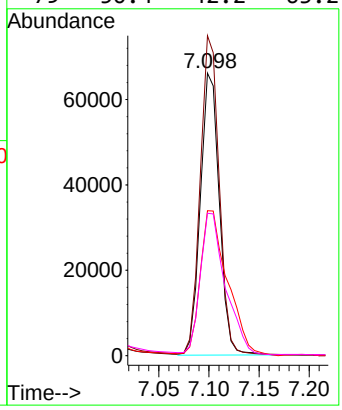


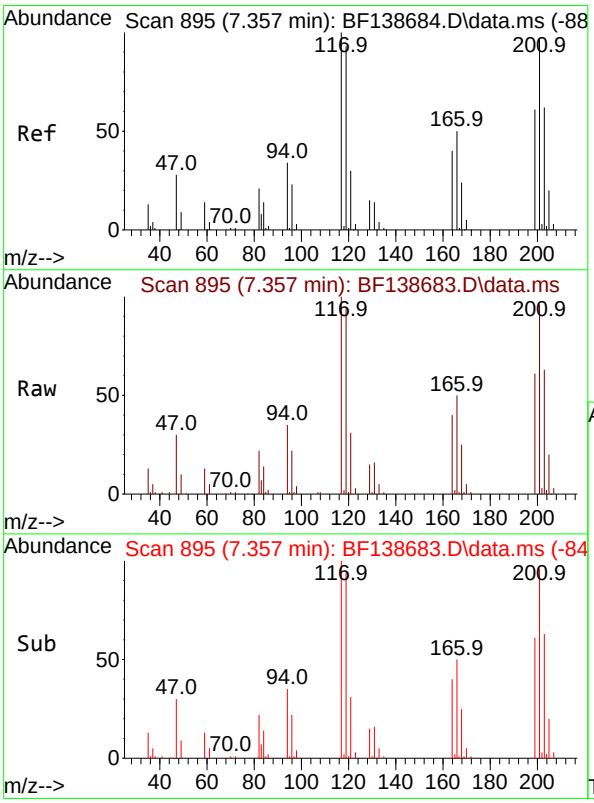
#17
2-Methylphenol
Concen: 21.024 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 87392

Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.2	133.8
77	51.3	43.0	64.4
79	50.4	42.2	63.2

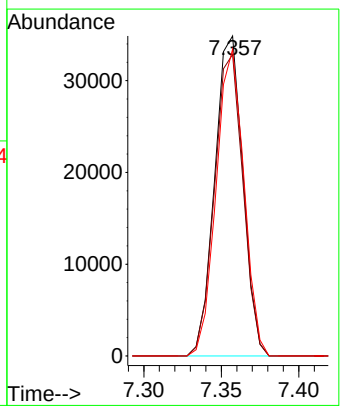


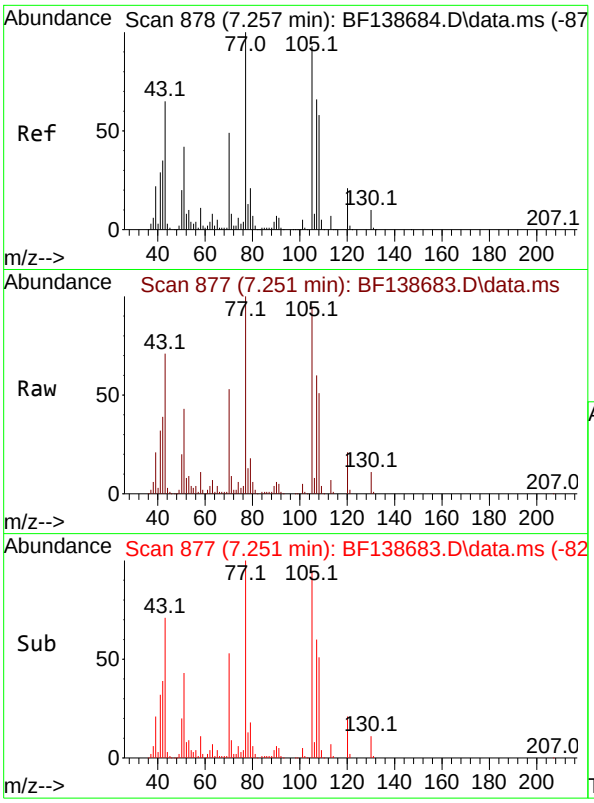


#18
Hexachloroethane
Concen: 20.620 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:117 Resp: 44140

Ion	Ratio	Lower	Upper
117	100		
119	94.2	74.6	111.8
201	95.8	77.2	115.8



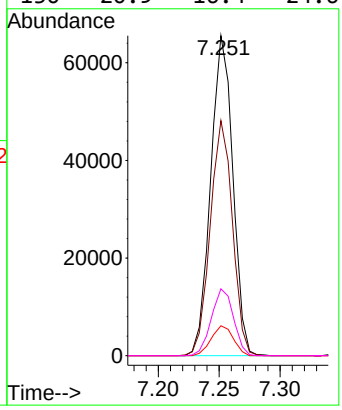


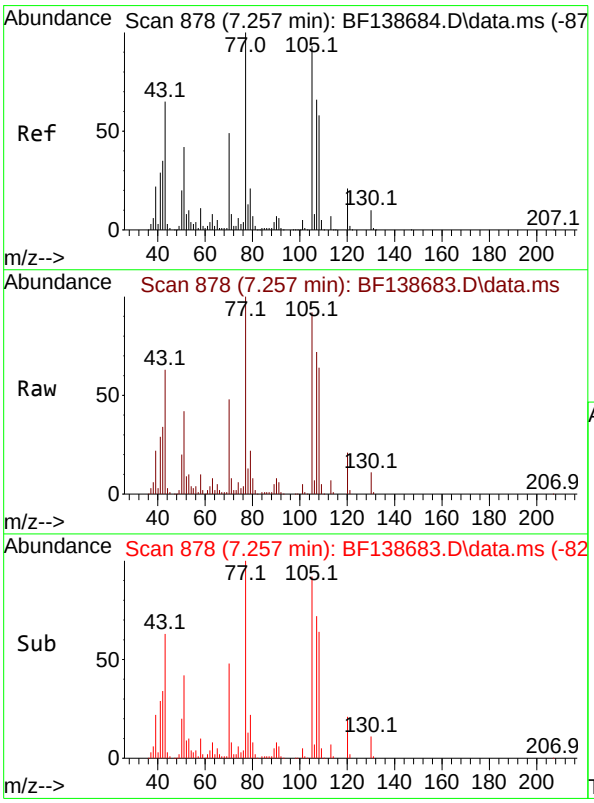
#19
n-Nitroso-di-n-propylamine
Concen: 21.369 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 82912

Ion	Ratio	Lower	Upper
70	100		
42	73.4	57.4	86.0
101	9.4	7.5	11.3
130	20.9	16.4	24.6

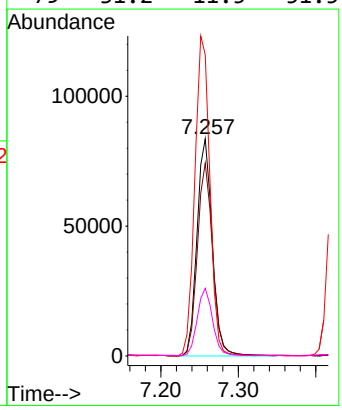


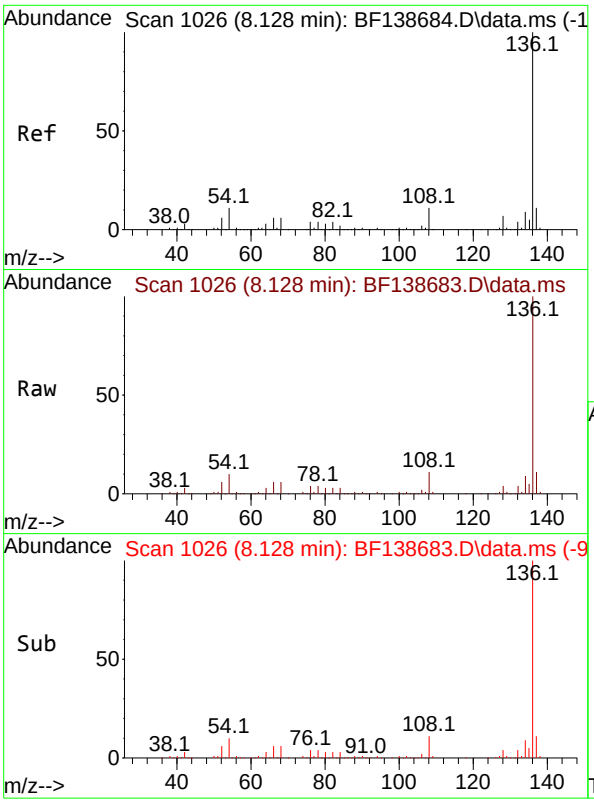


#20
3+4-Methylphenols
Concen: 21.577 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:107 Resp: 115081

Ion	Ratio	Lower	Upper
107	100		
108	88.8	68.2	108.2
77	138.7	132.1	172.1
79	31.2	11.5	51.5



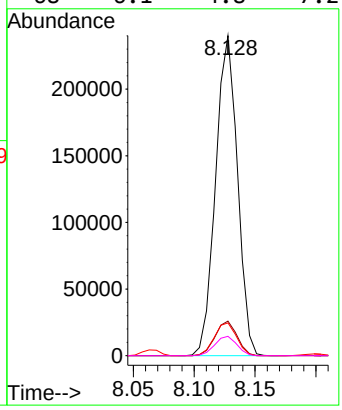


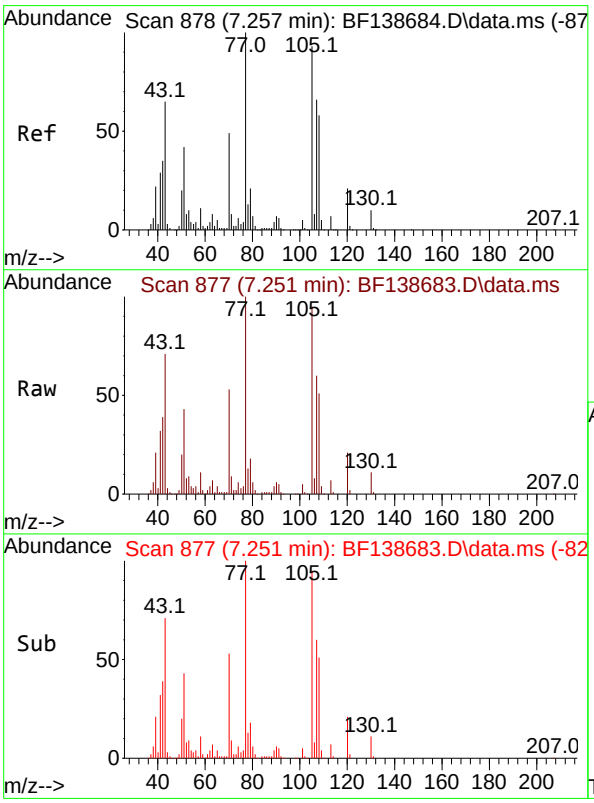
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 300790

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.3	8.6	12.8
68	6.1	4.8	7.2

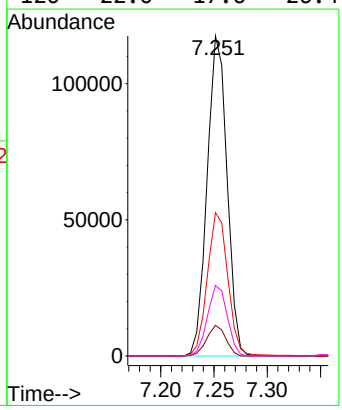


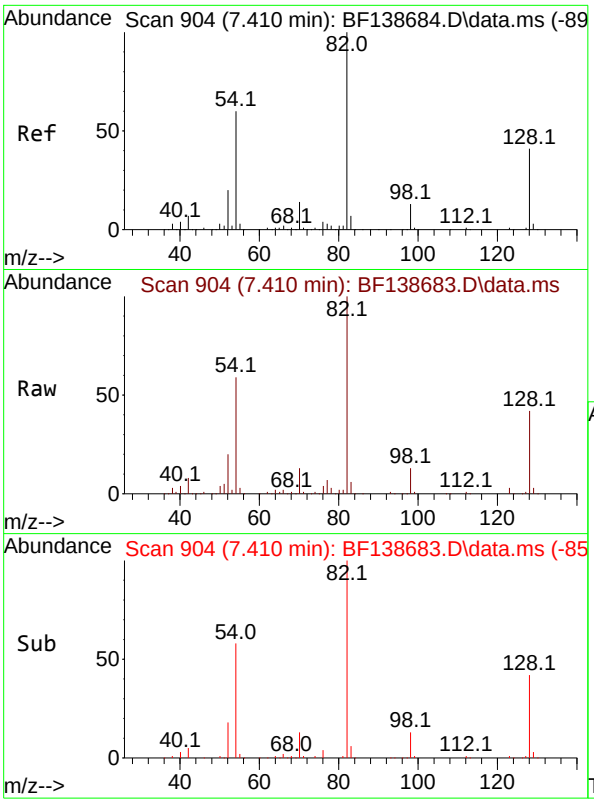


#22
Acetophenone
Concen: 20.738 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:105 Resp: 152730

Ion	Ratio	Lower	Upper
105	100		
71	9.6	7.2	10.8
51	44.8	35.9	53.9
120	22.0	17.6	26.4



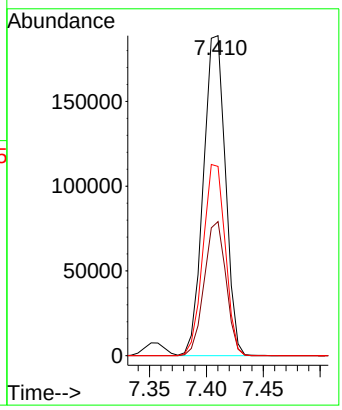


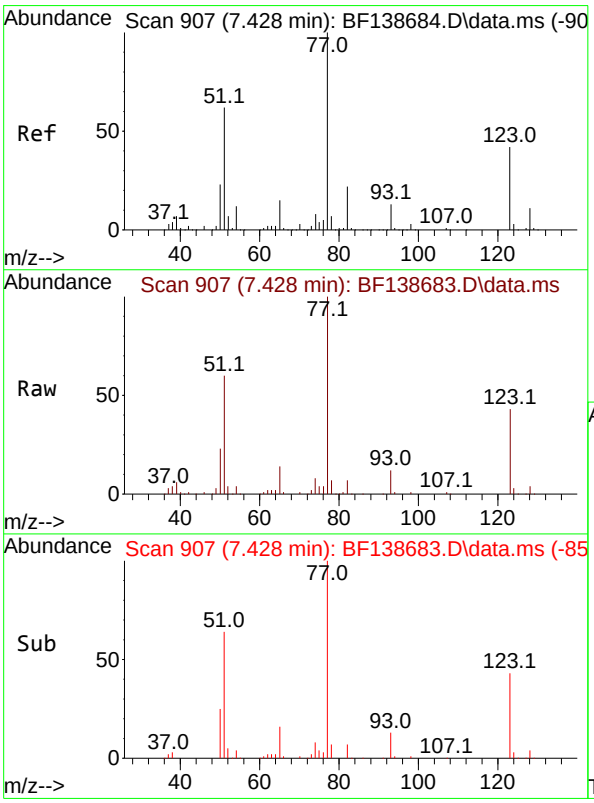
#23
Nitrobenzene-d5
Concen: 41.480 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 255192

Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.8	49.2
54	59.2	48.3	72.5

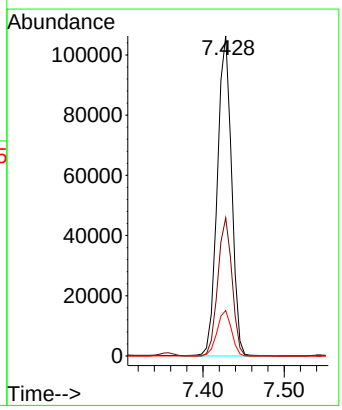


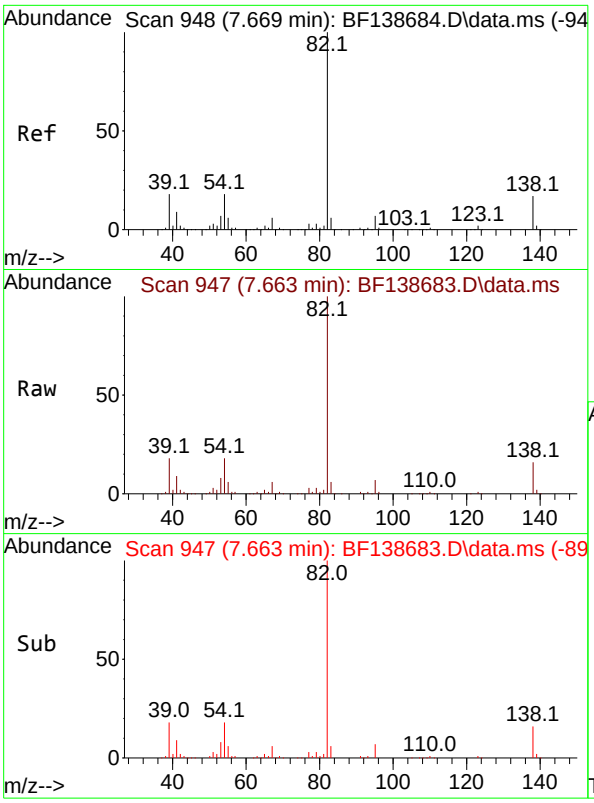


#24
Nitrobenzene
Concen: 20.819 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 77 Resp: 130332

Ion	Ratio	Lower	Upper
77	100		
123	43.2	33.3	49.9
65	14.2	11.9	17.9



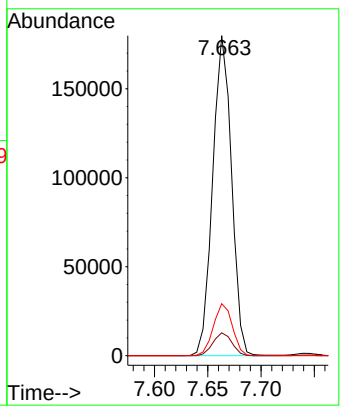


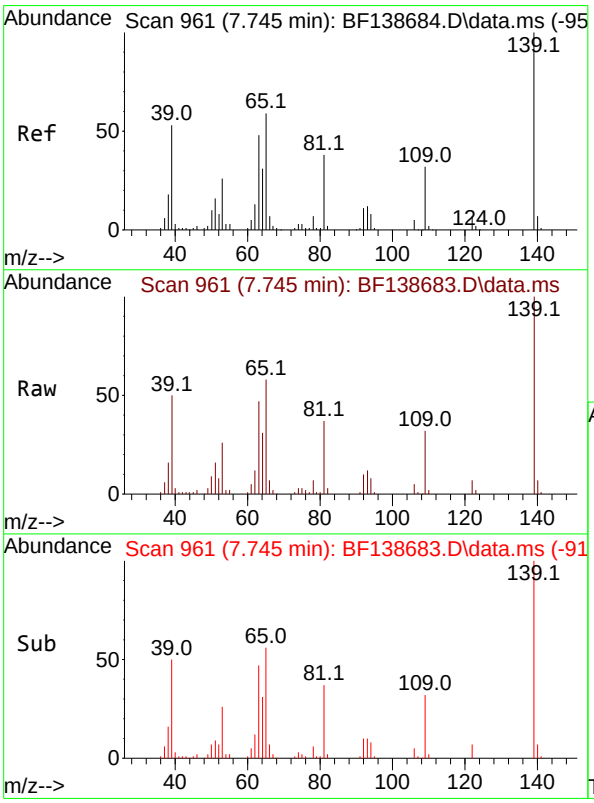
#25
Isophorone
Concen: 21.034 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 220971

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	16.3	13.7	20.5

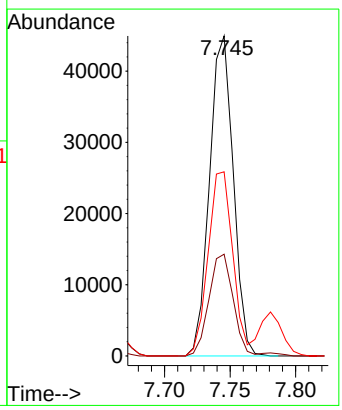


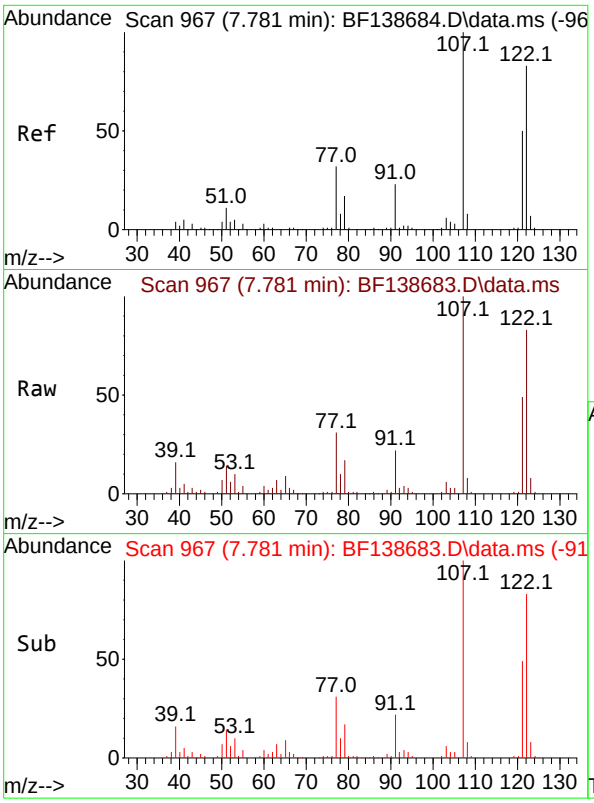


#26
2-Nitrophenol
Concen: 21.006 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:139 Resp: 56578

Ion	Ratio	Lower	Upper
139	100		
109	31.8	25.9	38.9
65	57.6	47.0	70.6



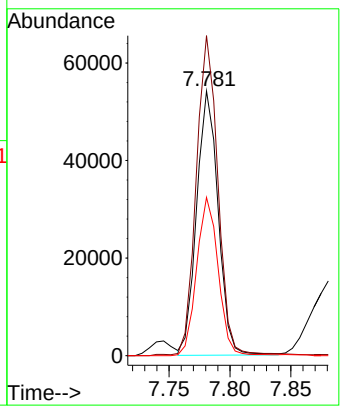


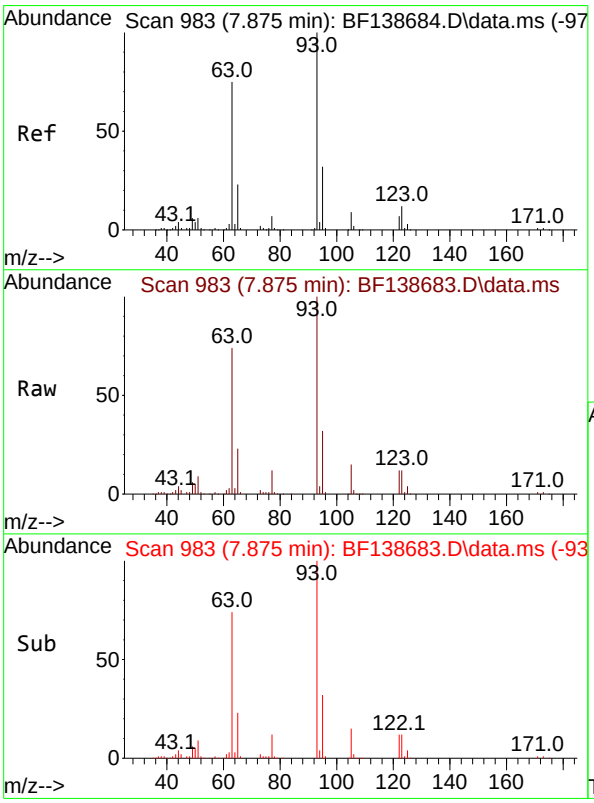
#27
2,4-Dimethylphenol
Concen: 20.620 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 66449

Ion	Ratio	Lower	Upper
122	100		
107	120.9	95.0	142.6
121	59.8	47.3	70.9

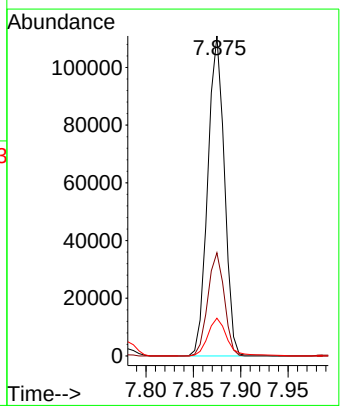


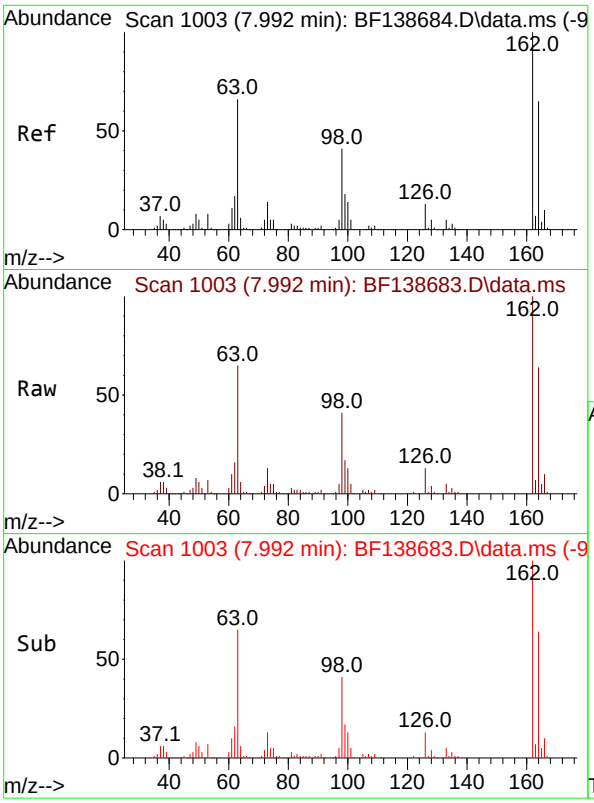


#28
bis(2-Chloroethoxy)methane
Concen: 21.118 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 93 Resp: 135096

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.8	9.4	14.0



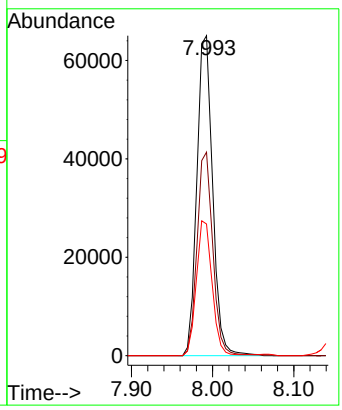


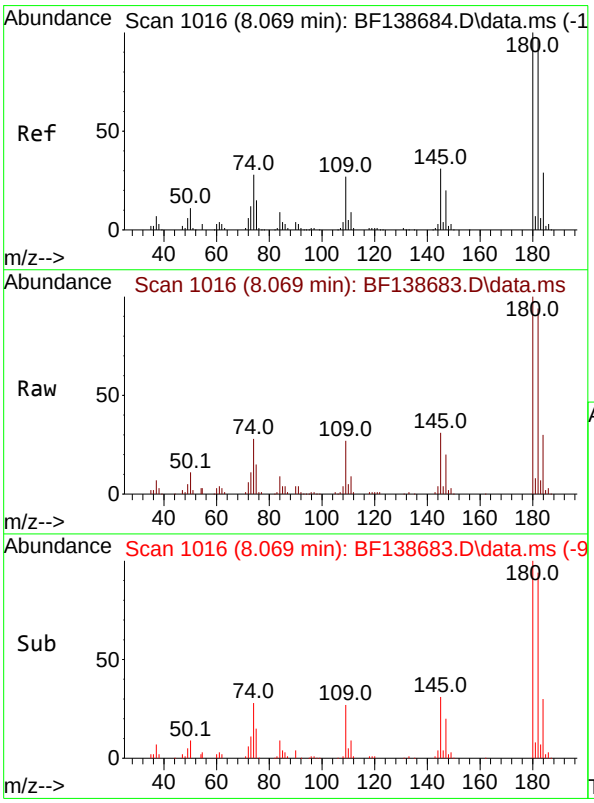
#29
2,4-Dichlorophenol
Concen: 21.289 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 88156

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.7	84.7
98	41.1	20.8	60.8

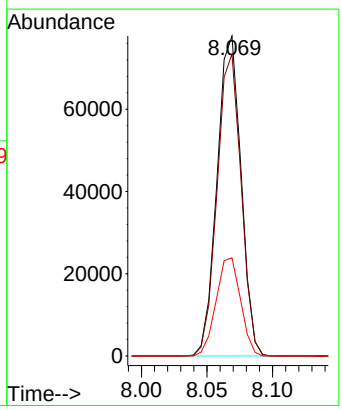


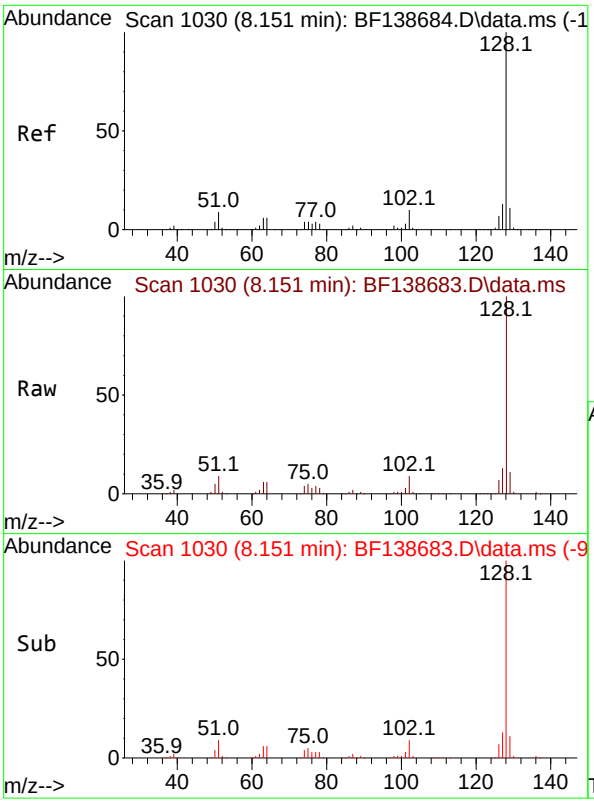


#30
1,2,4-Trichlorobenzene
Concen: 20.697 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:180 Resp: 98908

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.9	115.3
145	30.7	25.0	37.4



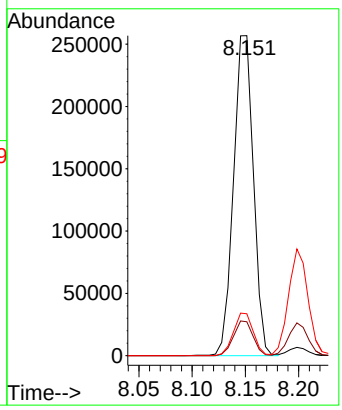


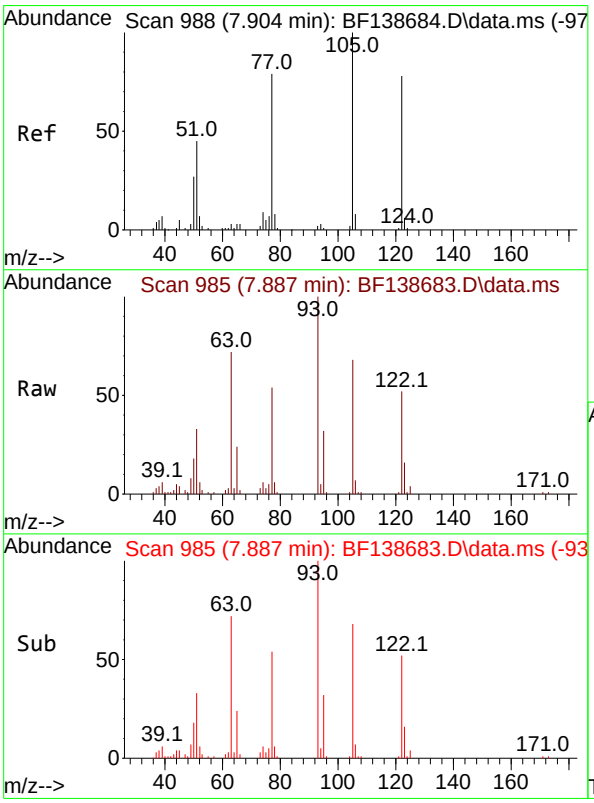
#31
Naphthalene
Concen: 21.084 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 333821

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.1	10.6	16.0

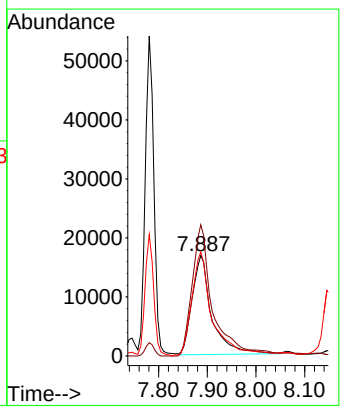


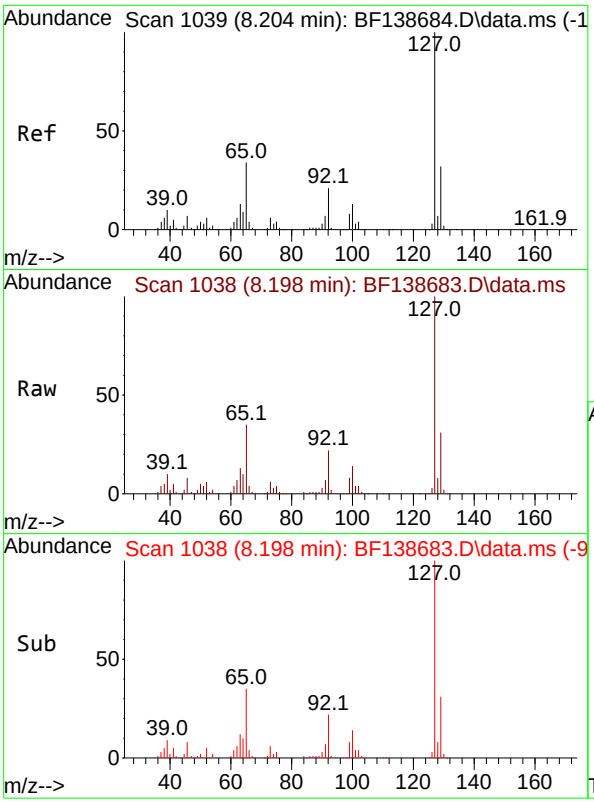


#32
Benzoic acid
Concen: 18.740 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.017 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:122 Resp: 47452

Ion	Ratio	Lower	Upper
122	100		
105	130.8	106.7	146.7
77	103.7	81.1	121.1



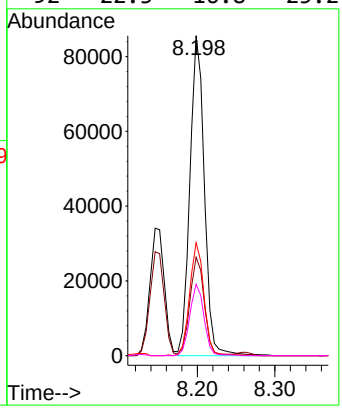


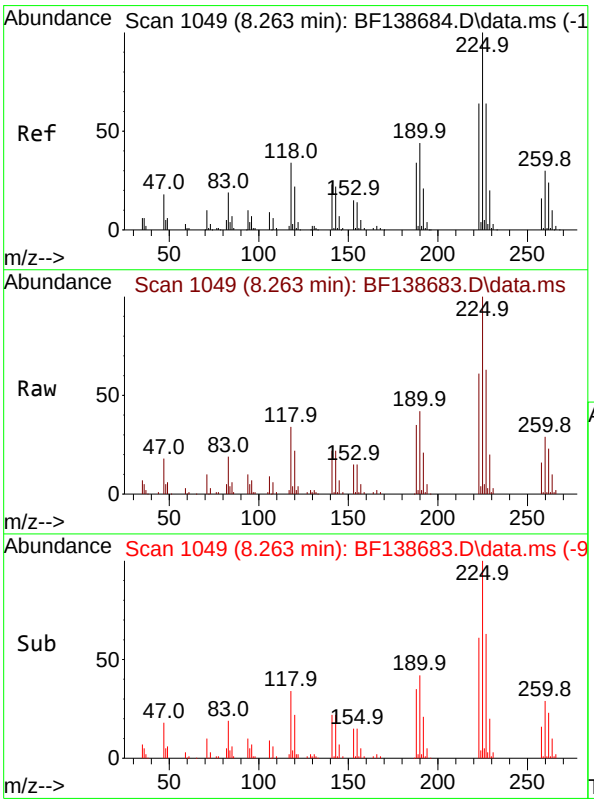
#33
4-Chloroaniline
Concen: 20.887 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 111005

Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.9	38.9
65	35.3	27.6	41.4
92	22.3	16.8	25.2

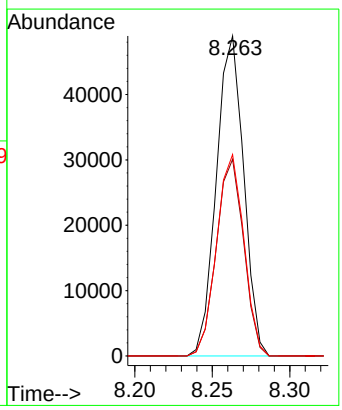


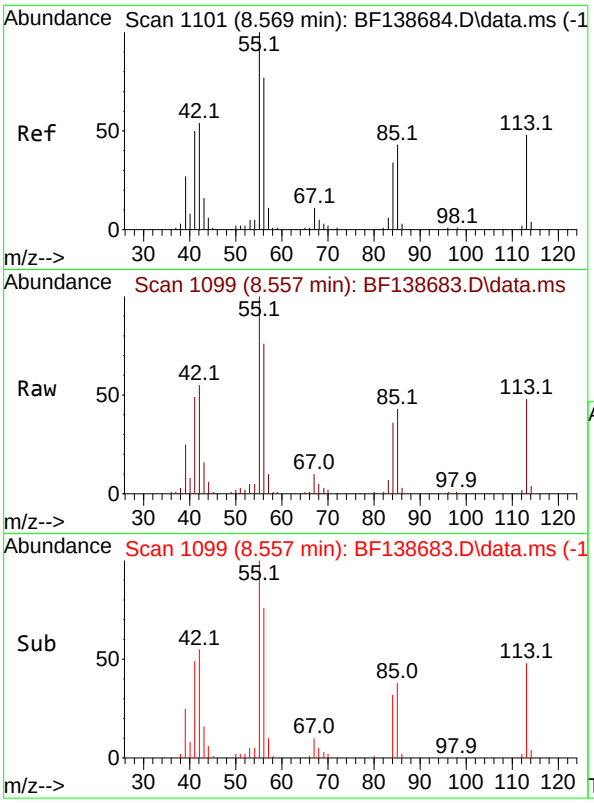


#34
Hexachlorobutadiene
Concen: 20.749 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:225 Resp: 60058

Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.2	76.8
227	62.9	51.1	76.7



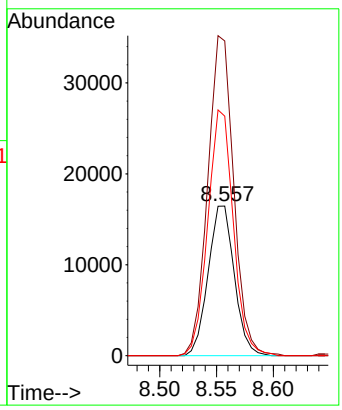


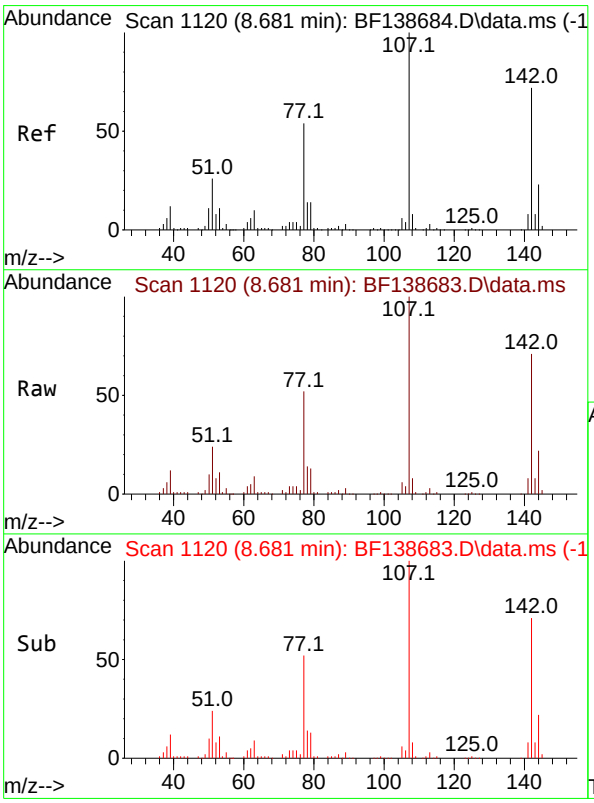
#35
Caprolactam
Concen: 21.333 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 26359

Ion	Ratio	Lower	Upper
113	100		
55	210.5	186.7	226.7
56	160.2	138.9	178.9

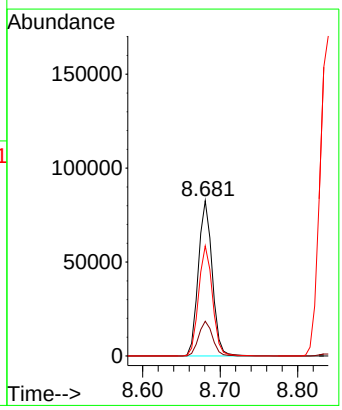


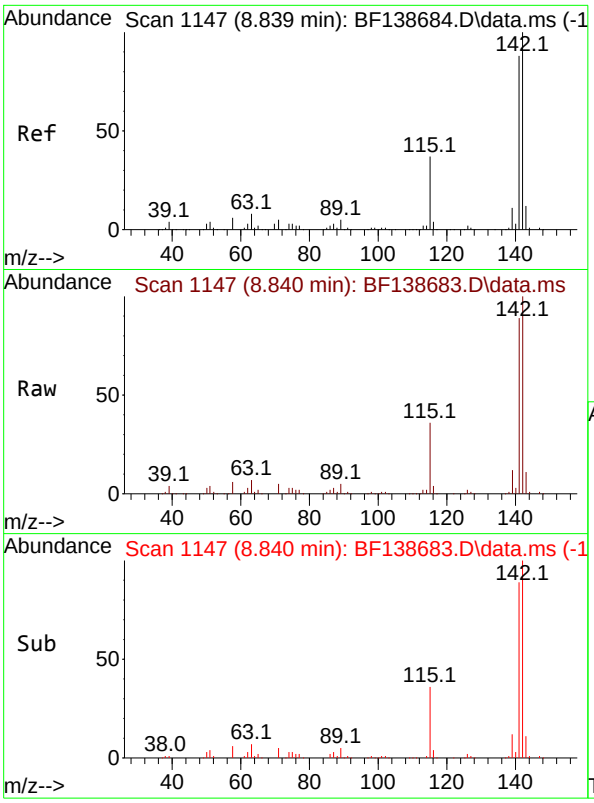


#36
4-Chloro-3-methylphenol
Concen: 21.794 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:107 Resp: 103141

Ion	Ratio	Lower	Upper
107	100		
144	22.4	18.2	27.2
142	70.9	57.4	86.2



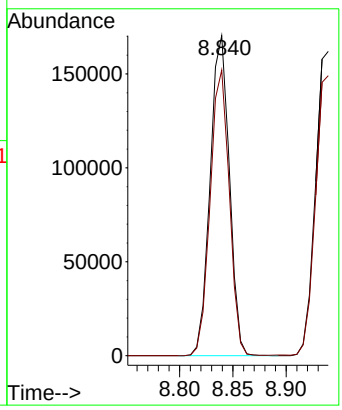


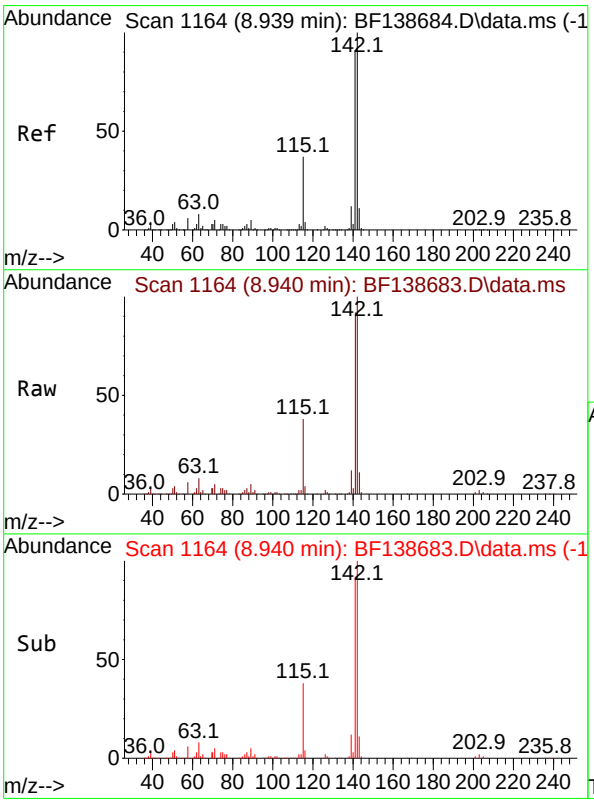
#37
2-Methylnaphthalene
Concen: 21.323 ng
RT: 8.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 213210

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2

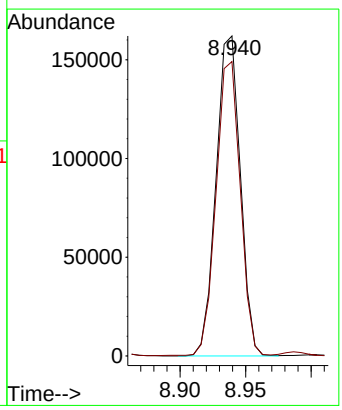


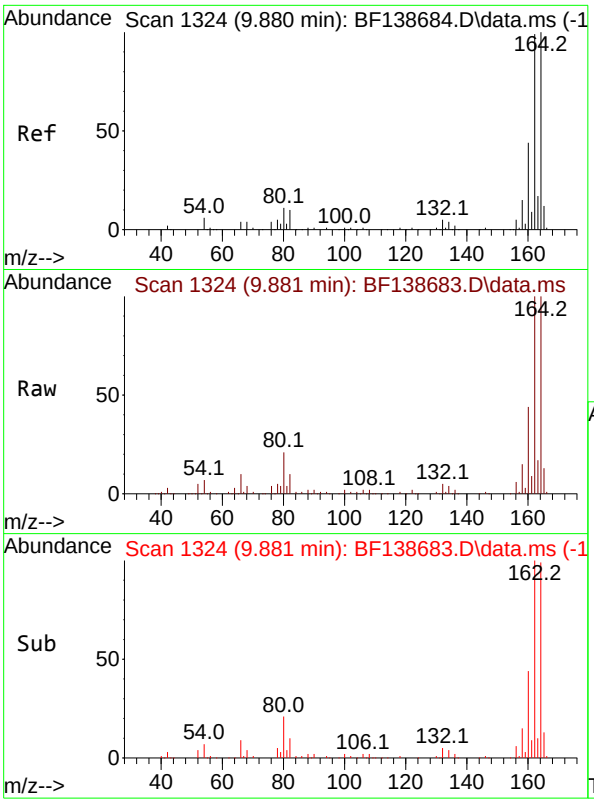


#38
1-Methylnaphthalene
Concen: 21.253 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:142 Resp: 208242

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7



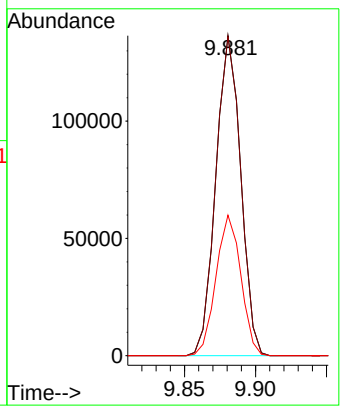


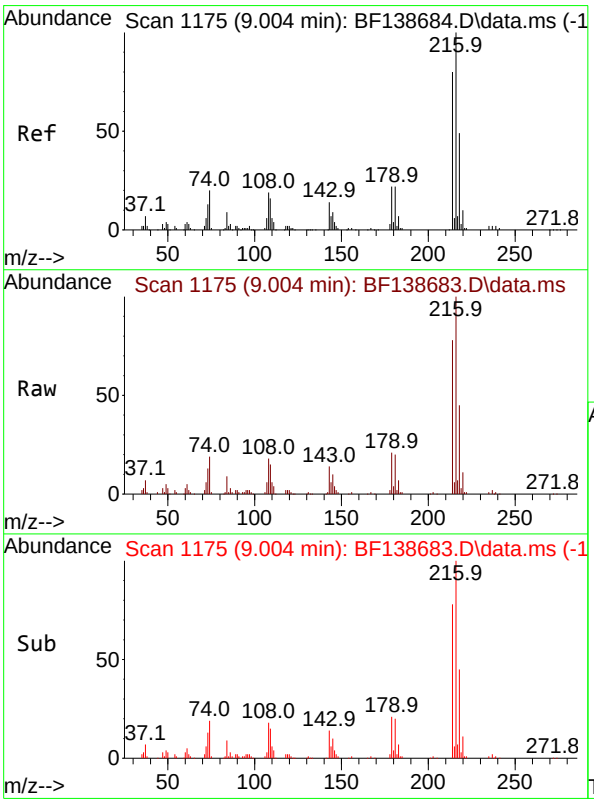
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 166031

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.4	119.0
160	43.9	35.1	52.7

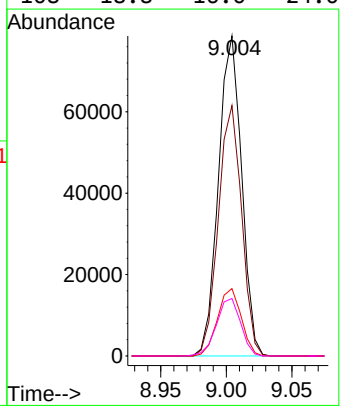


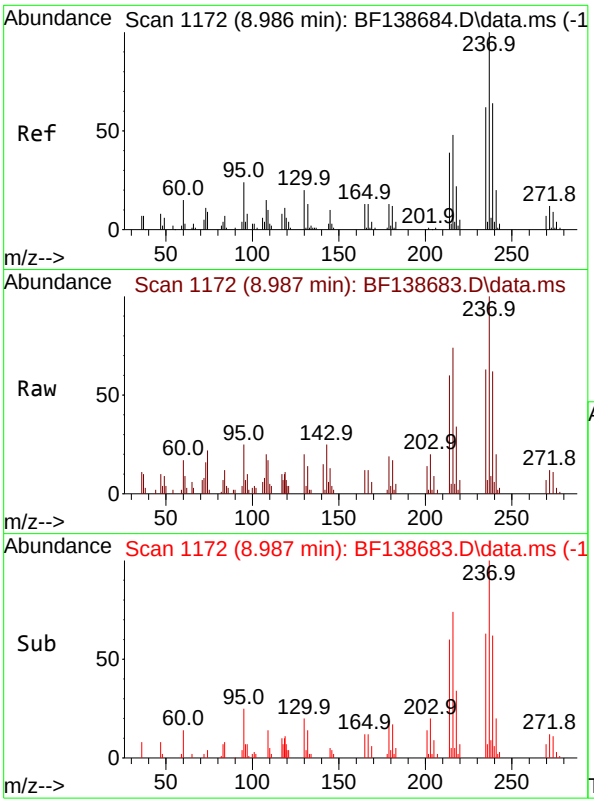


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.924 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:216 Resp: 96503

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.9	95.9
179	21.5	17.8	26.6
108	18.8	16.0	24.0



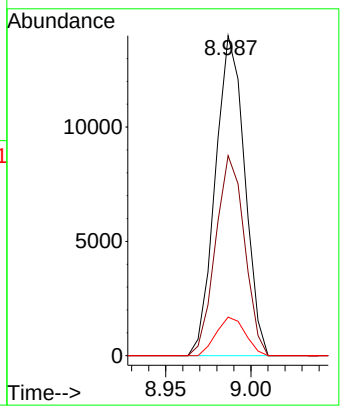


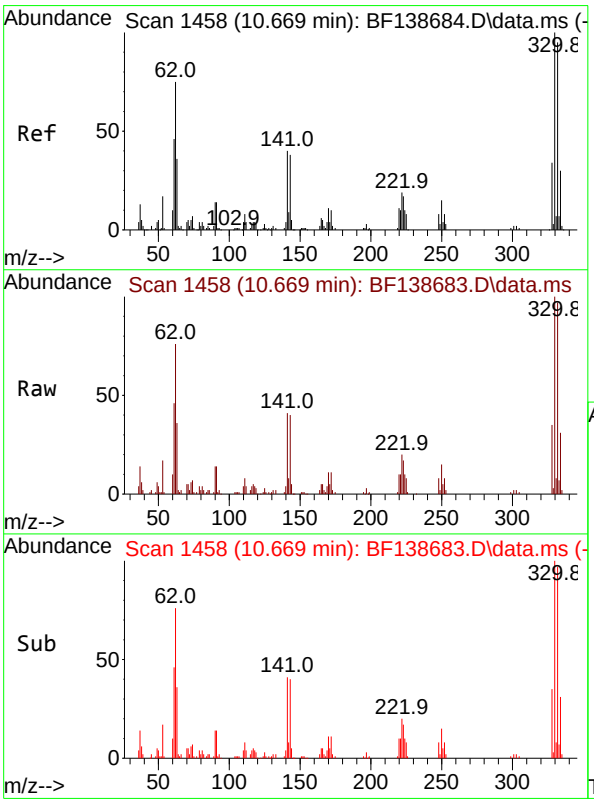
#41
Hexachlorocyclopentadiene
Concen: 19.505 ng
RT: 8.987 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 16767

Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.8	81.8
272	12.0	0.0	32.2

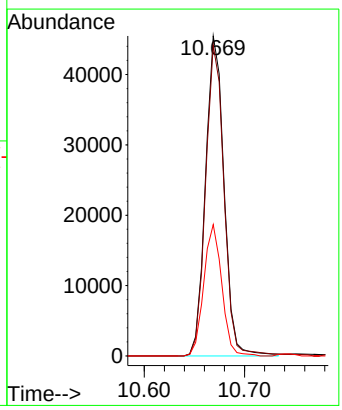


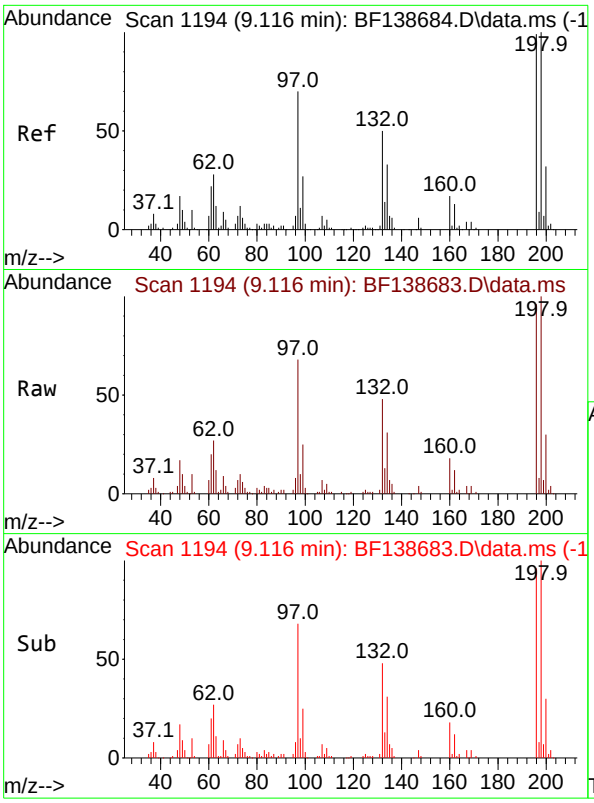


#42
2,4,6-Tribromophenol
Concen: 42.922 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:330 Resp: 58374

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.4	114.6
141	39.9	31.1	46.7



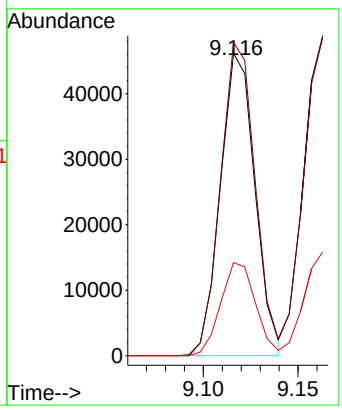


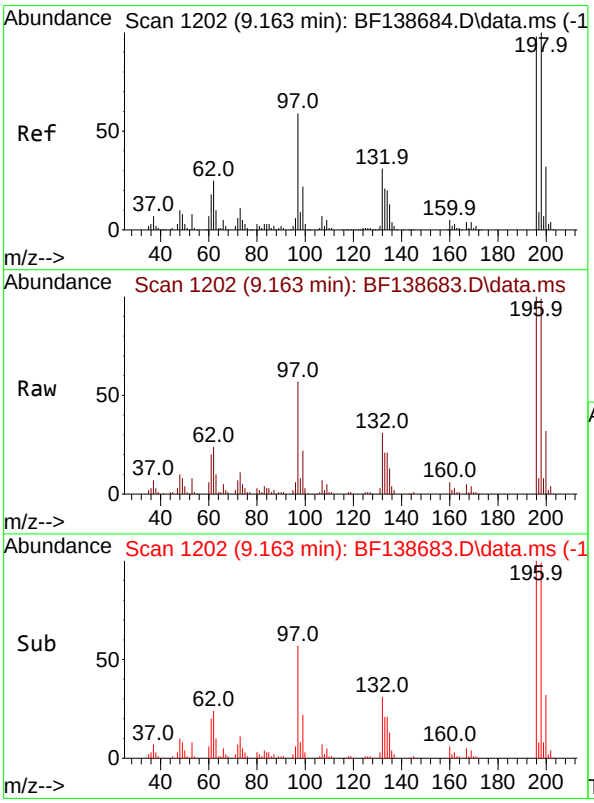
#43
2,4,6-Trichlorophenol
Concen: 20.830 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 58575

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
200	30.8	25.9	38.9

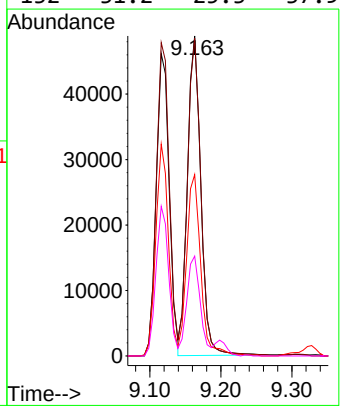


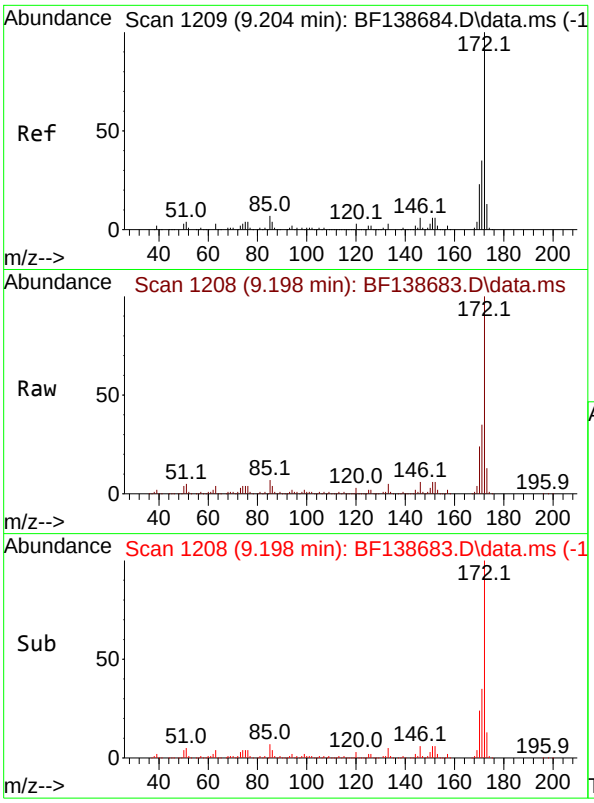


#44
2,4,5-Trichlorophenol
Concen: 20.907 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:196 Resp: 64272

Ion	Ratio	Lower	Upper
196	100		
198	99.3	81.2	121.8
97	56.7	47.8	71.6
132	31.2	25.3	37.9



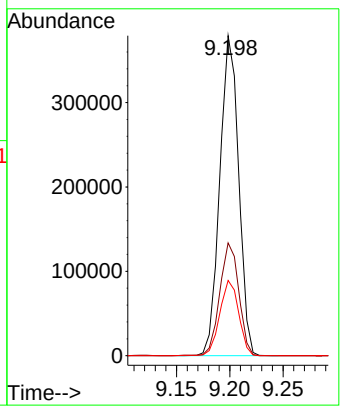


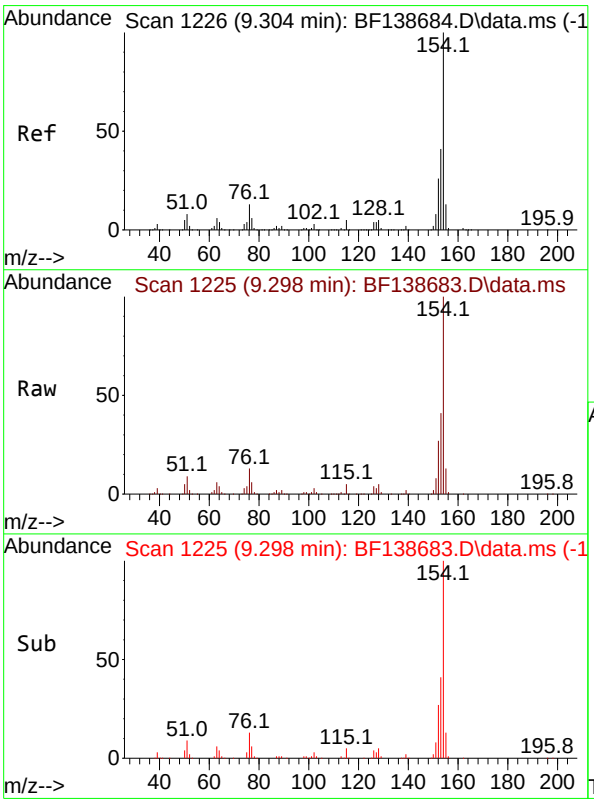
#45
2-Fluorobiphenyl
Concen: 42.138 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 465641

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.5	18.8	28.2

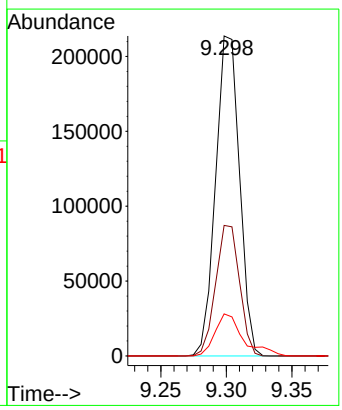


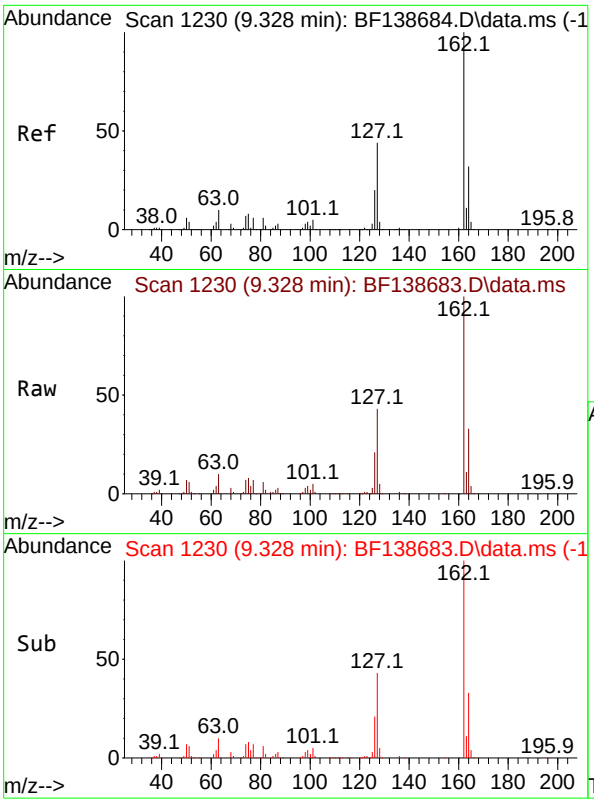


#46
1,1'-Biphenyl
Concen: 20.807 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:154 Resp: 270560

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.2	0.0	32.8



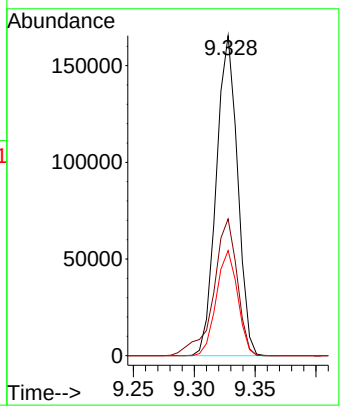


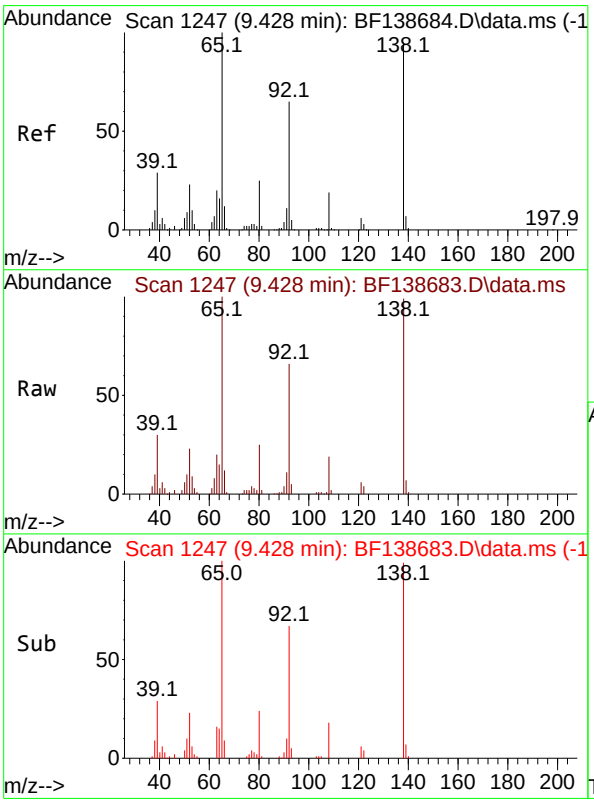
#47
2-Chloronaphthalene
Concen: 20.822 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 201367

Ion	Ratio	Lower	Upper
162	100		
127	42.8	35.4	53.2
164	32.9	25.6	38.4

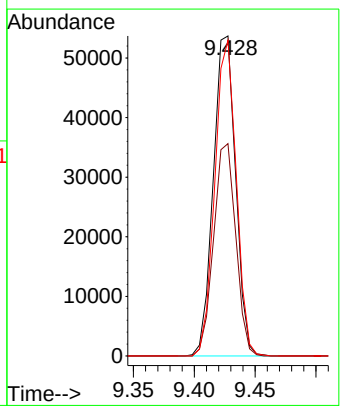


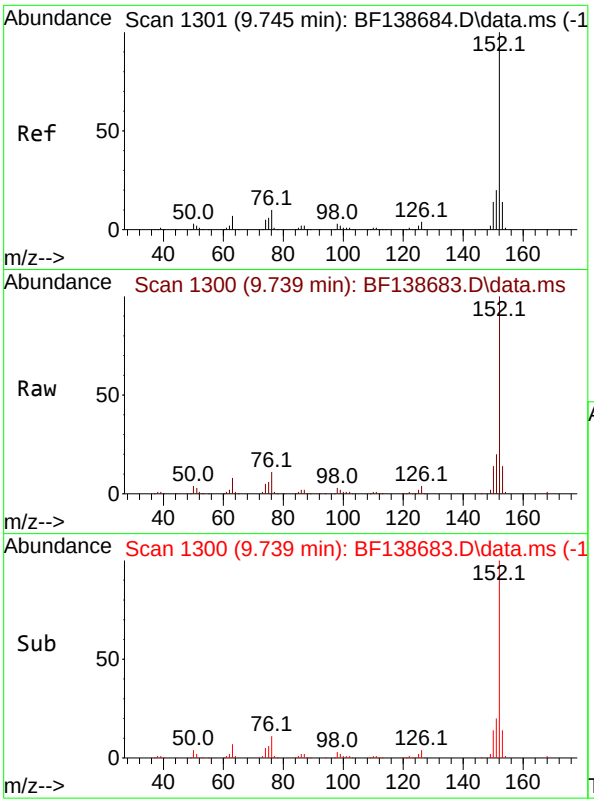


#48
2-Nitroaniline
Concen: 20.943 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion: 65 Resp: 68663

Ion	Ratio	Lower	Upper
65	100		
92	66.3	52.0	78.0
138	98.6	76.2	114.4



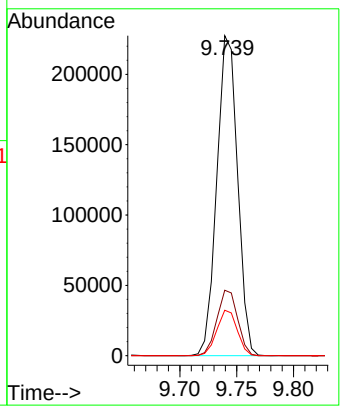


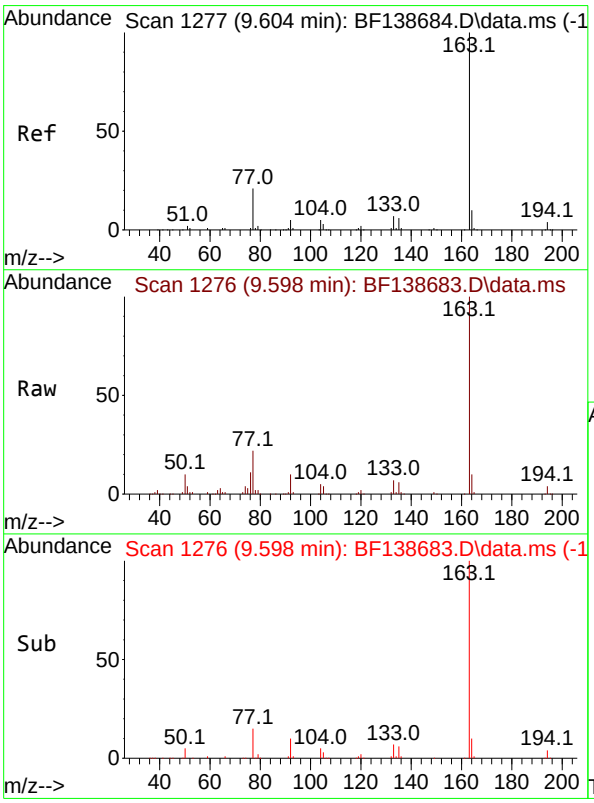
#49
Acenaphthylene
Concen: 21.093 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 289321

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	14.2	11.0	16.4

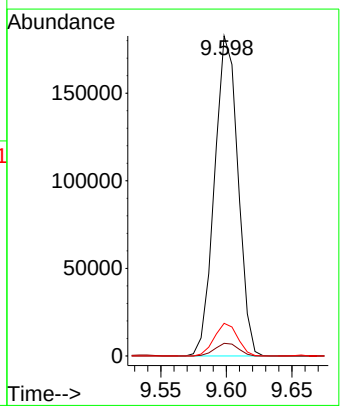


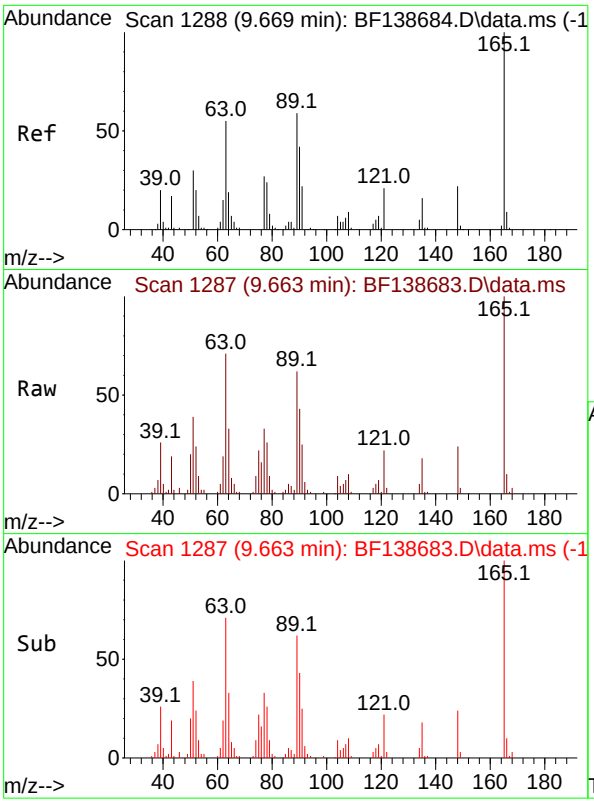


#50
Dimethylphthalate
Concen: 21.376 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:163 Resp: 226938

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.2	7.8	11.8



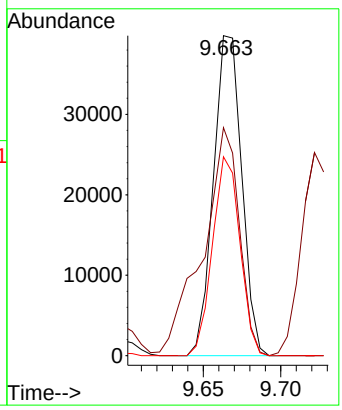


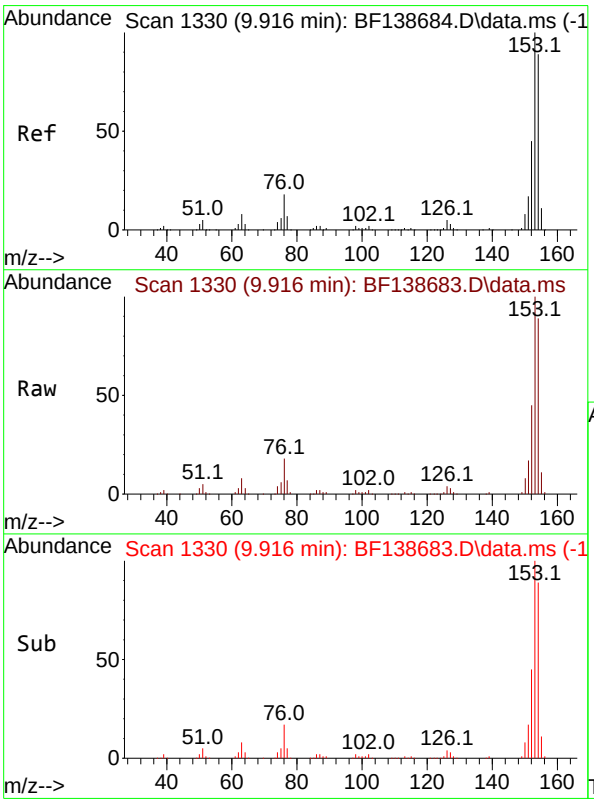
#51
2,6-Dinitrotoluene
Concen: 21.078 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 50501

Ion	Ratio	Lower	Upper
165	100		
63	71.3	52.0	78.0
89	62.2	47.0	70.6

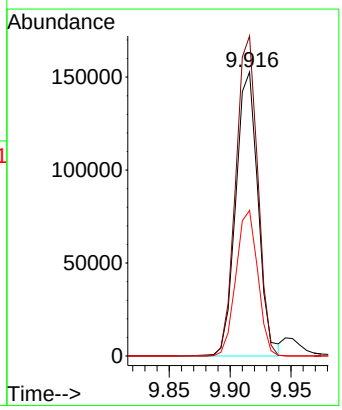


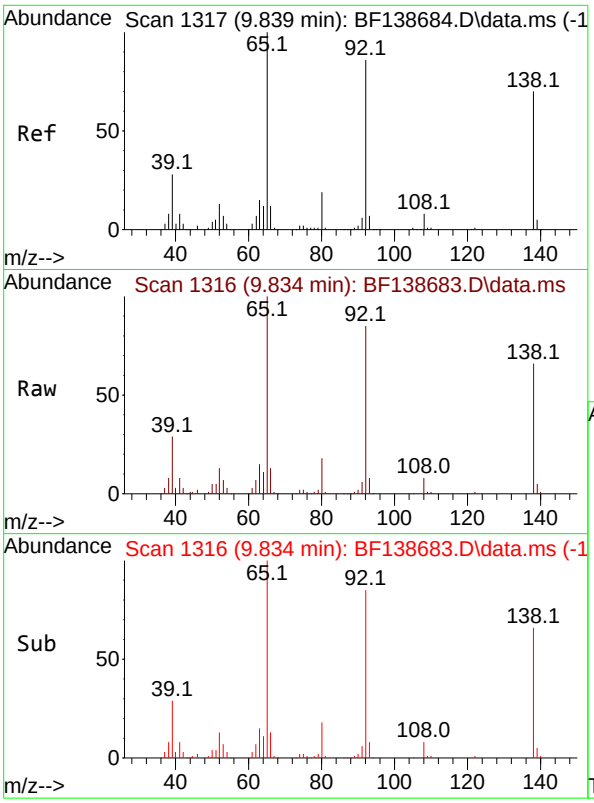


#52
Acenaphthene
Concen: 21.047 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:154 Resp: 194057

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.9	134.9
152	51.2	40.6	60.8



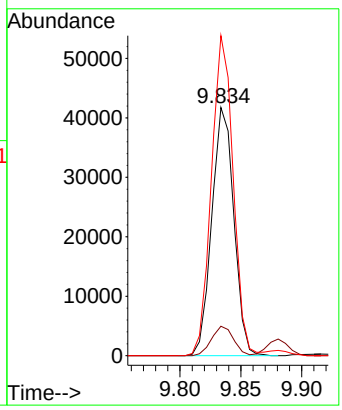


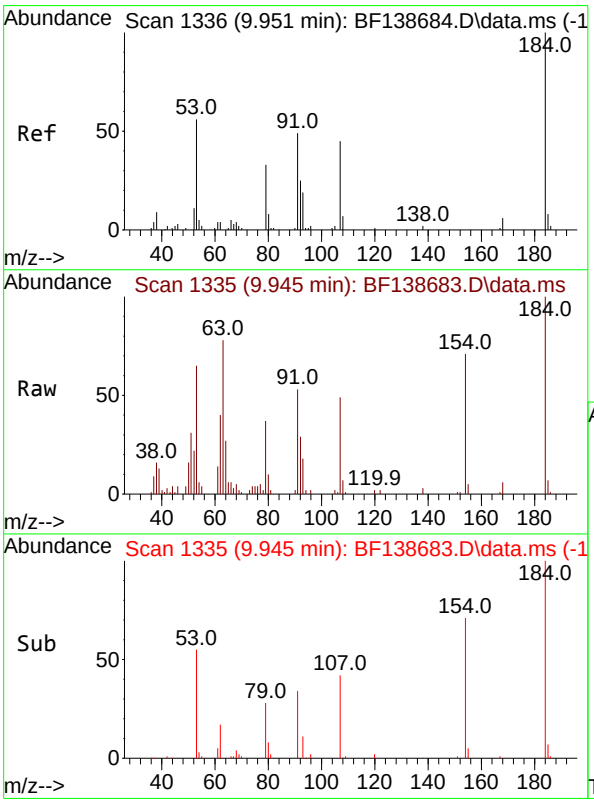
#53
3-Nitroaniline
Concen: 21.244 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 52618

Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	128.9	98.7	148.1

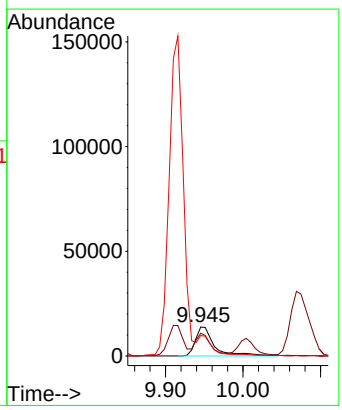


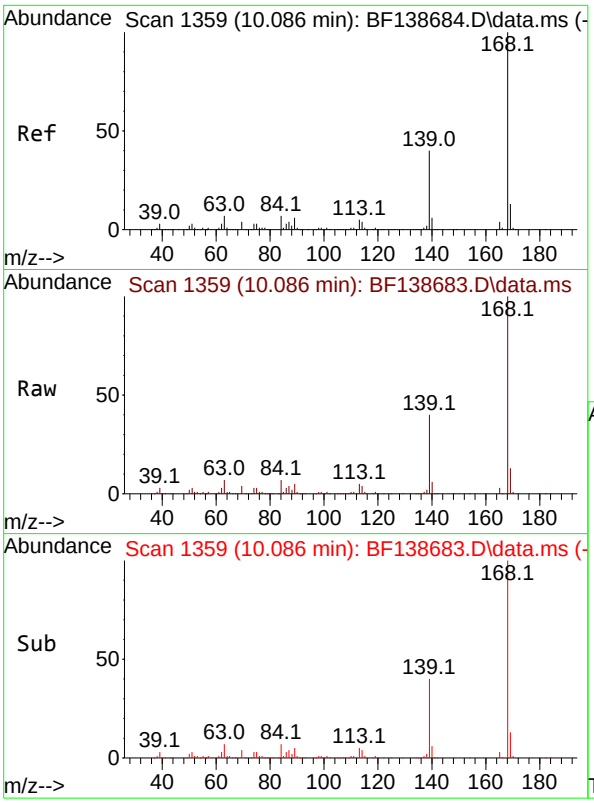


#54
2,4-Dinitrophenol
Concen: 21.374 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:184 Resp: 23573

Ion	Ratio	Lower	Upper
184	100		
63	78.5	57.5	86.3
154	70.7	51.7	77.5



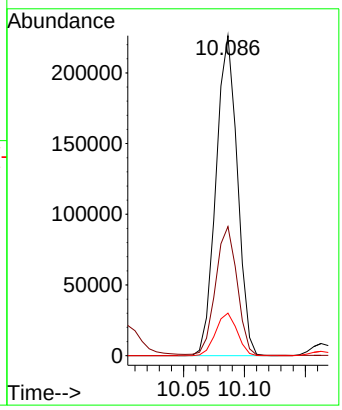


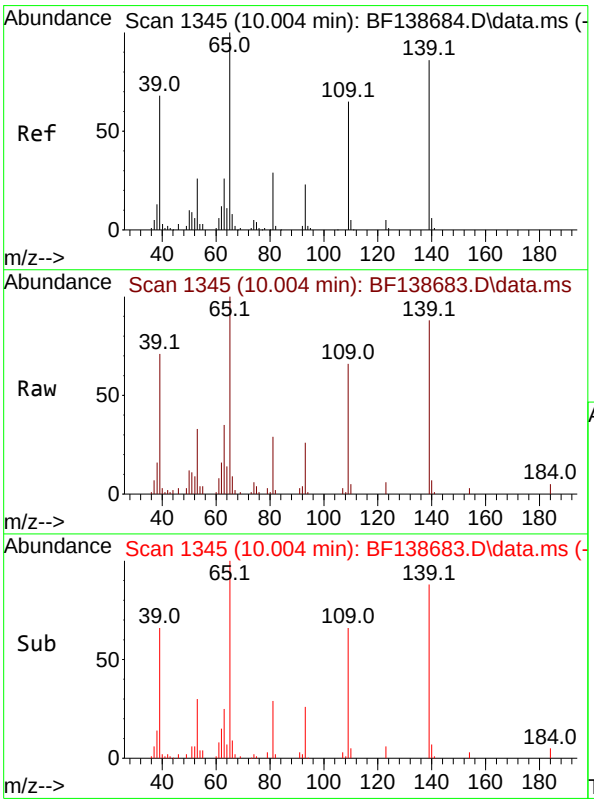
#55
Dibenzofuran
Concen: 21.249 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 276572

Ion	Ratio	Lower	Upper
168	100		
139	40.4	32.6	49.0
169	13.3	10.7	16.1

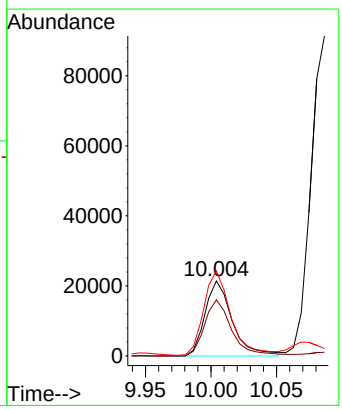


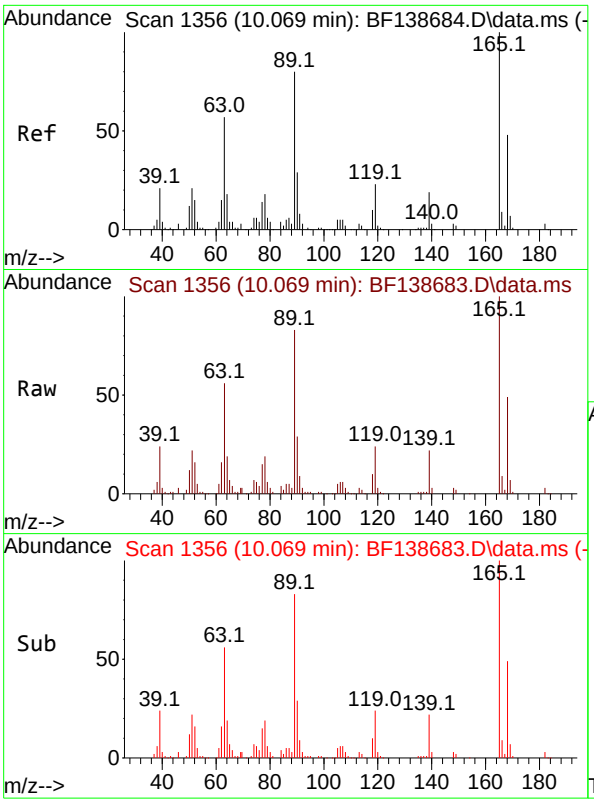


#56
4-Nitrophenol
Concen: 20.745 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:139 Resp: 30898

Ion	Ratio	Lower	Upper
139	100		
109	74.9	55.5	95.5
65	113.5	96.7	136.7



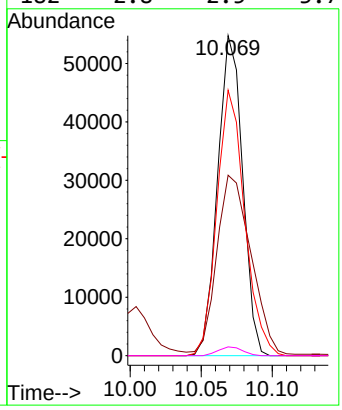


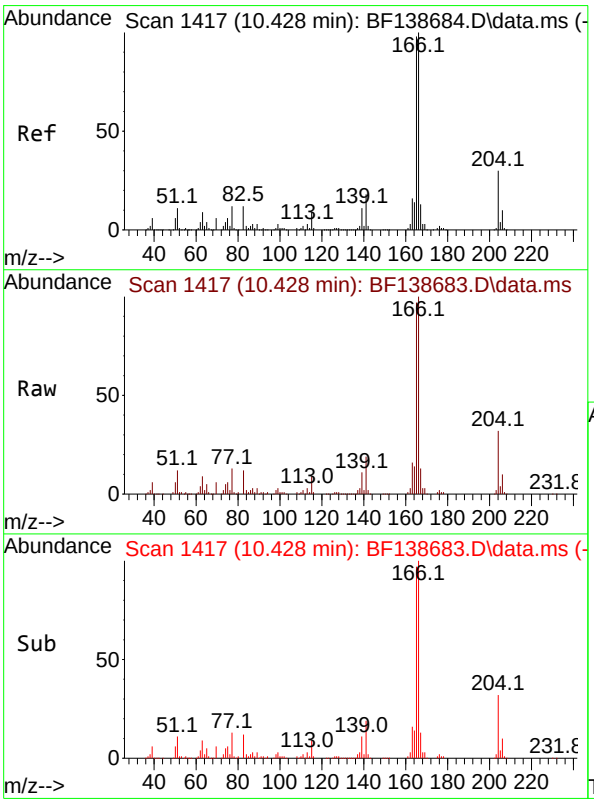
#57
2,4-Dinitrotoluene
Concen: 21.832 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 66734

Ion	Ratio	Lower	Upper
165	100		
63	56.4	46.3	69.5
89	82.9	64.2	96.4
182	2.8	2.5	3.7

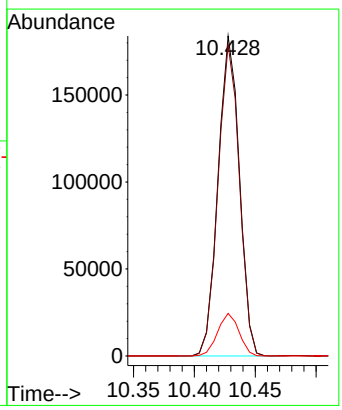


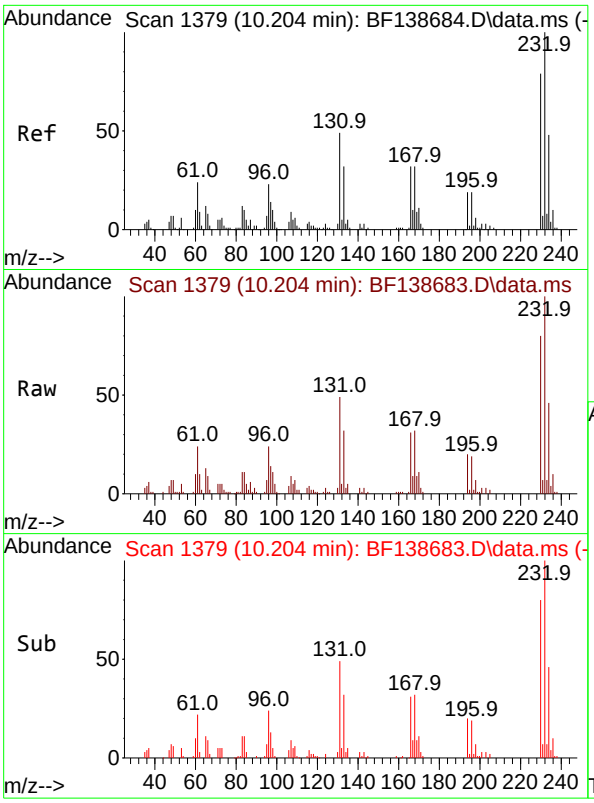


#58
Fluorene
Concen: 21.646 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:166 Resp: 224349

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.4	117.6
167	13.3	10.6	16.0



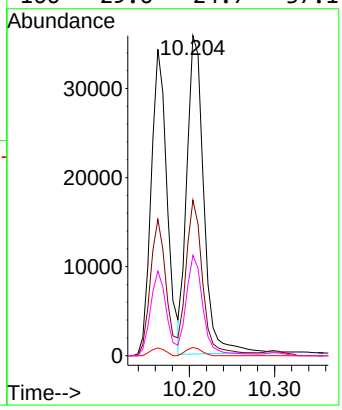


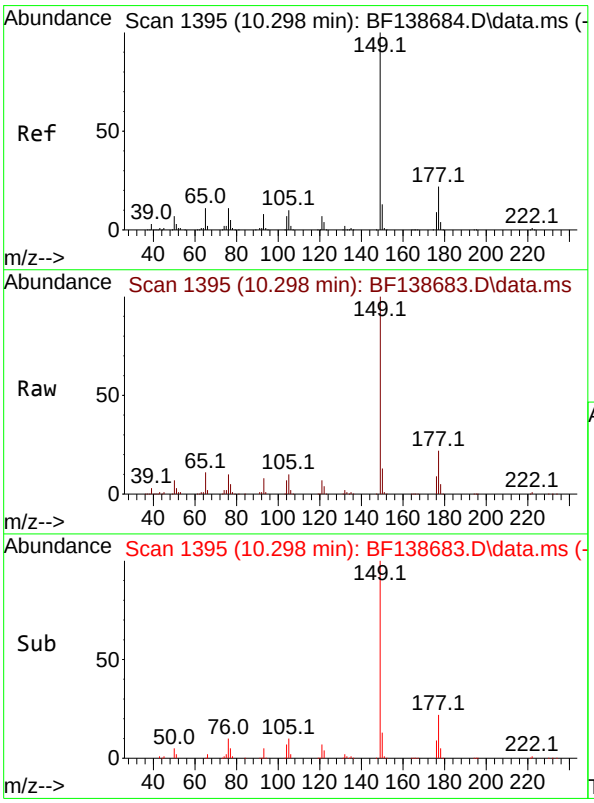
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.005 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 49368

Ion	Ratio	Lower	Upper
232	100		
131	48.1	37.0	55.4
130	2.4	2.0	3.0
166	29.6	24.7	37.1

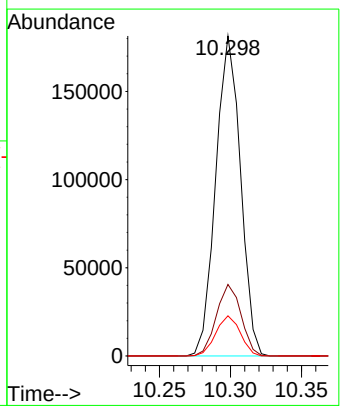


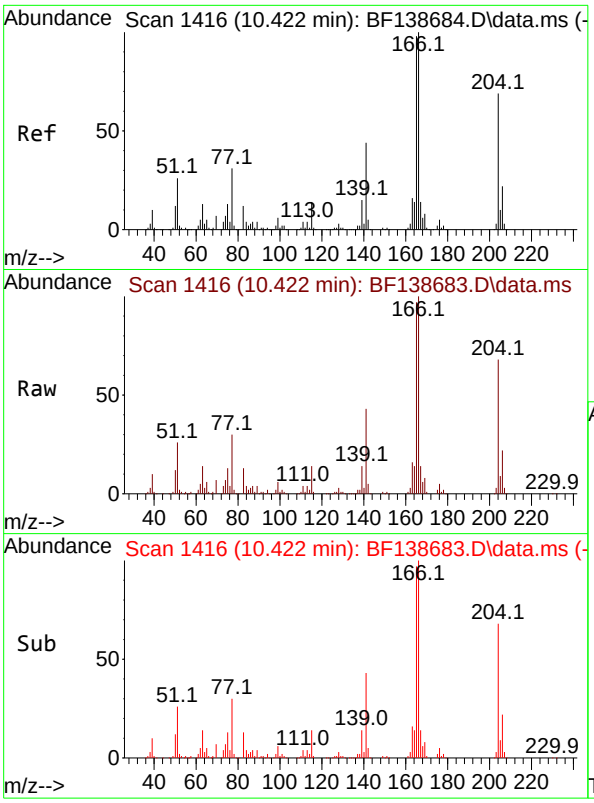


#60
Diethylphthalate
Concen: 21.793 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 219374

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.8
150	12.6	10.1	15.1



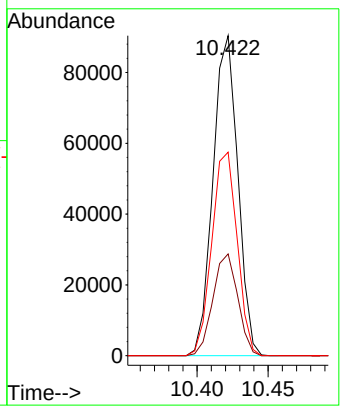


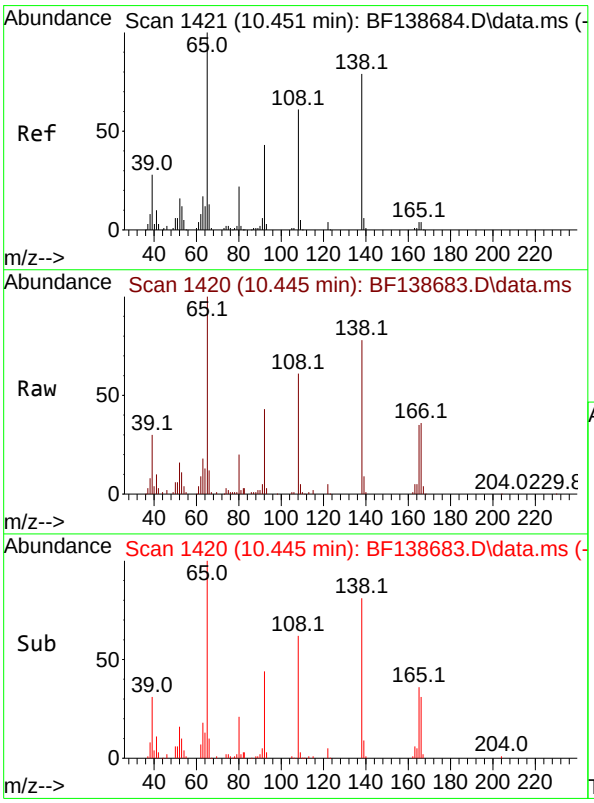
#61
4-Chlorophenyl-phenylether
Concen: 21.552 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 109862

Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.1	39.1
141	63.6	51.4	77.0

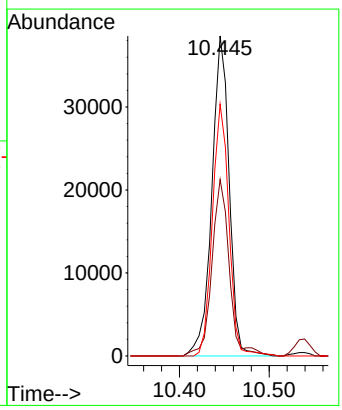


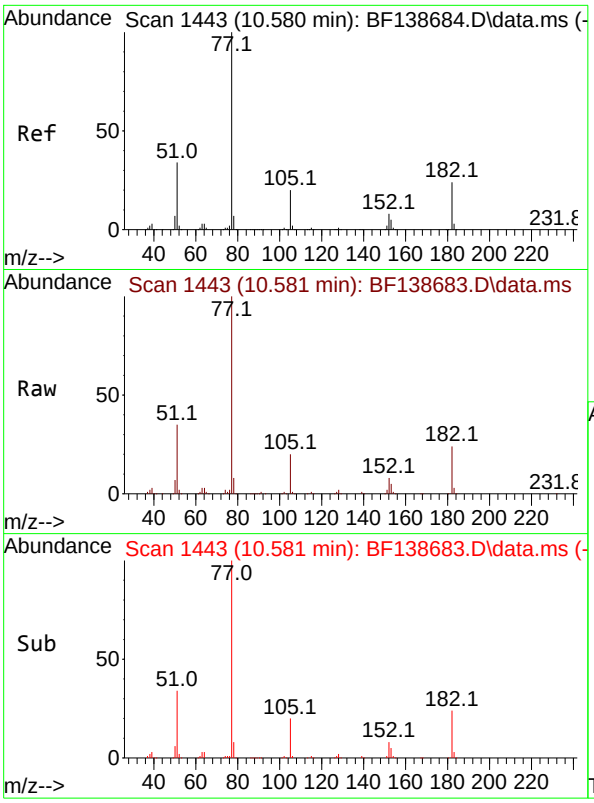


#62
4-Nitroaniline
Concen: 22.077 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:138 Resp: 51964

Ion	Ratio	Lower	Upper
138	100		
92	55.1	34.2	74.2
108	78.7	56.2	96.2



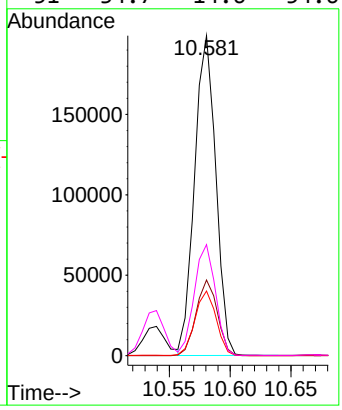


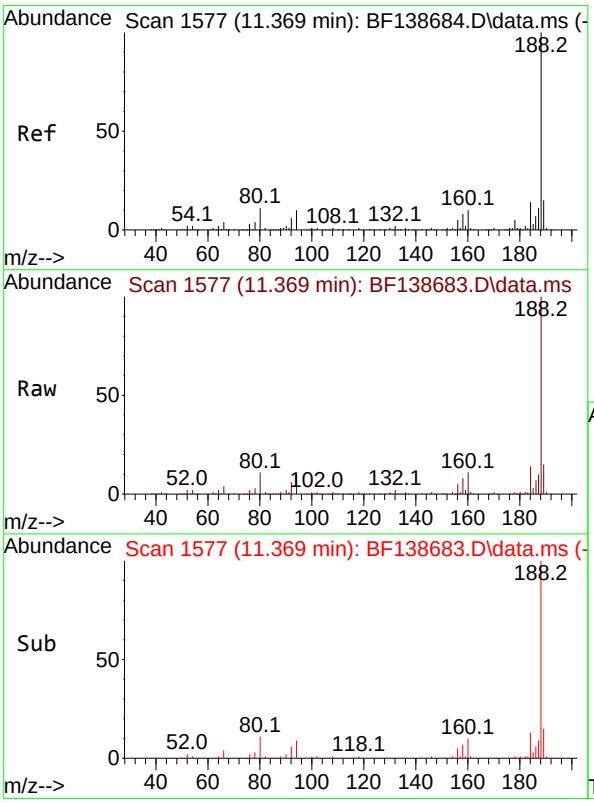
#63
Azobenzene
Concen: 21.566 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 240769

Ion	Ratio	Lower	Upper
77	100		
182	23.7	3.4	43.4
105	20.2	0.2	40.2
51	34.7	14.6	54.6

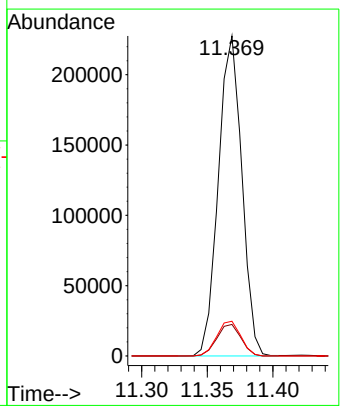


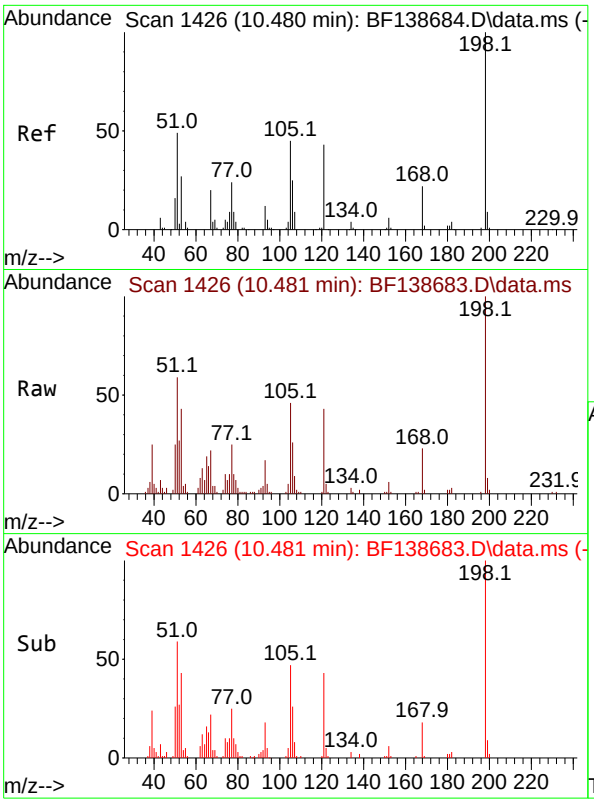


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:188 Resp: 283009

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.6	11.4
80	10.9	8.6	12.8



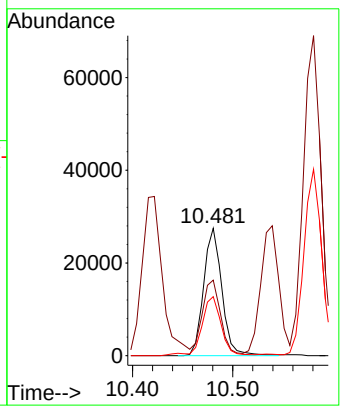


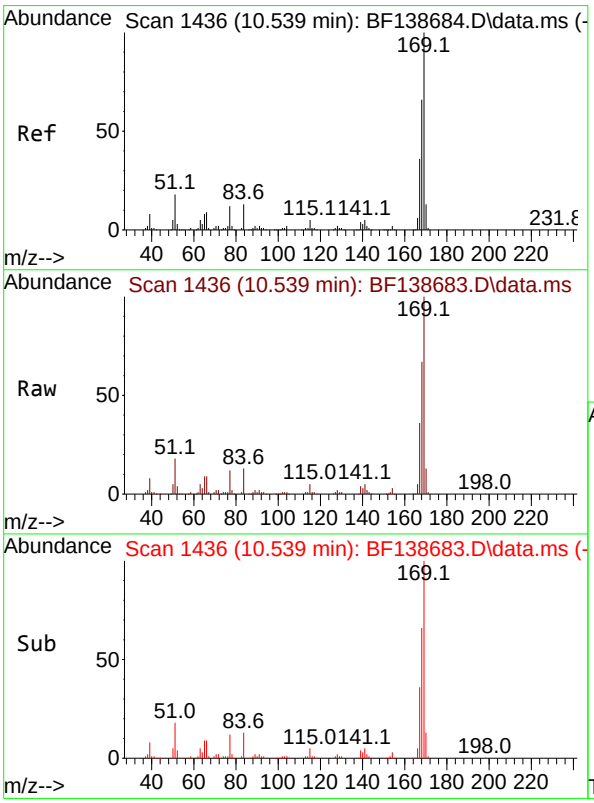
#65
4,6-Dinitro-2-methylphenol
Concen: 20.206 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 34887

Ion	Ratio	Lower	Upper
198	100		
51	59.2	39.9	79.9
105	46.3	26.1	66.1

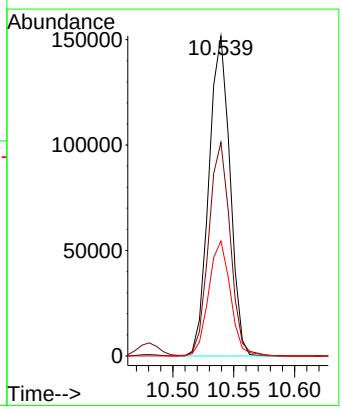


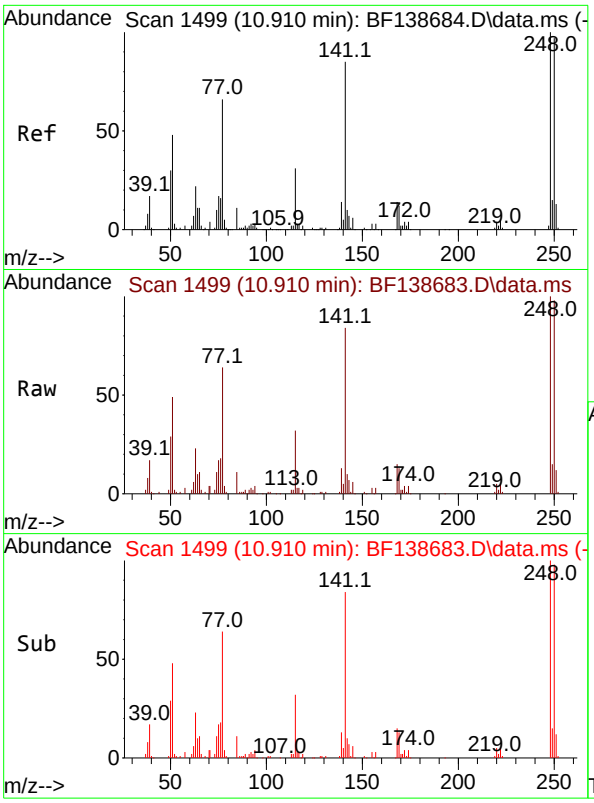


#66
n-Nitrosodiphenylamine
Concen: 20.636 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:169 Resp: 182551

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	35.9	29.0	43.6



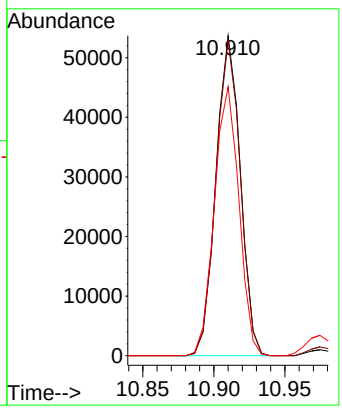


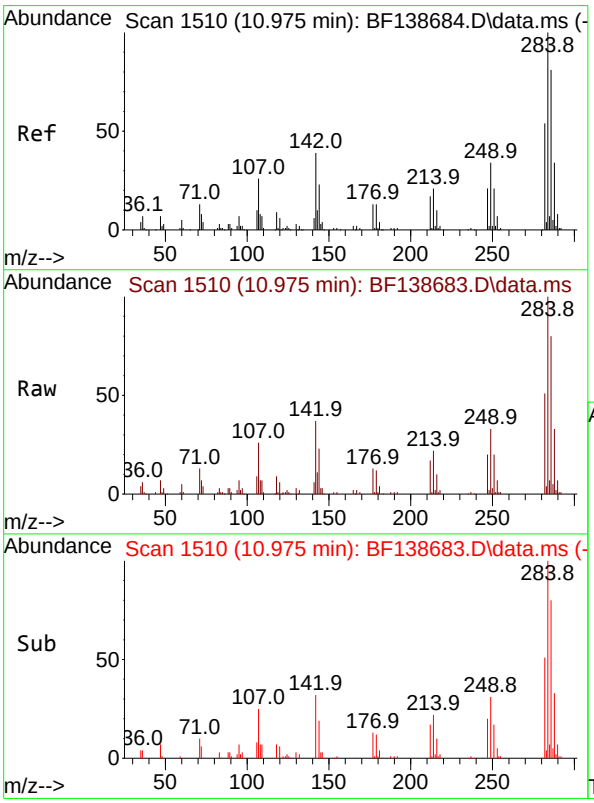
#67
4-Bromophenyl-phenylether
Concen: 20.903 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 64049

Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.7	116.5
141	84.1	68.0	102.0

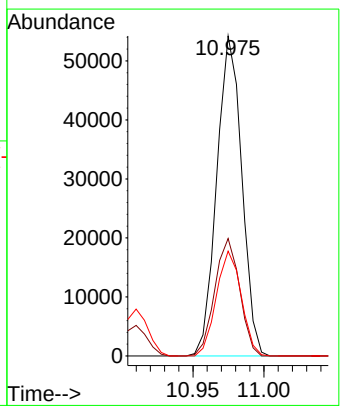


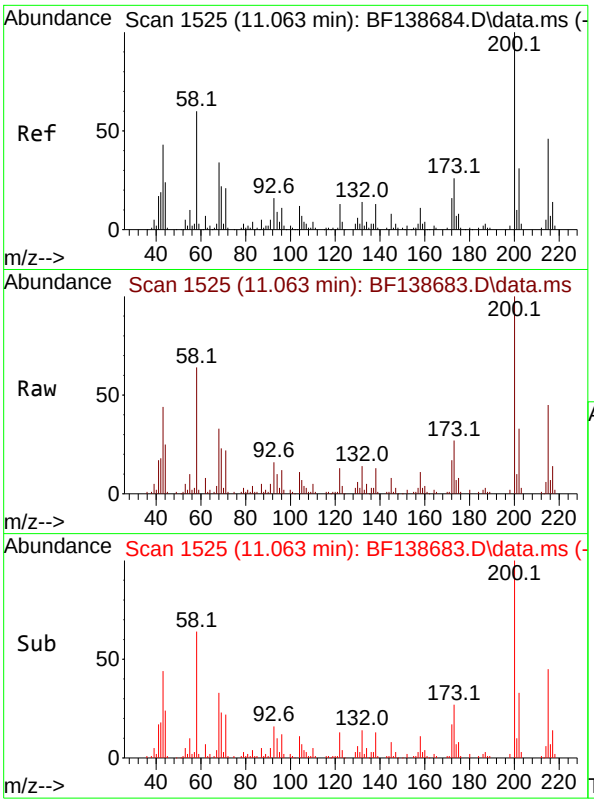


#68
Hexachlorobenzene
Concen: 20.966 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:284 Resp: 66331

Ion	Ratio	Lower	Upper
284	100		
142	36.7	31.3	46.9
249	32.8	27.2	40.8



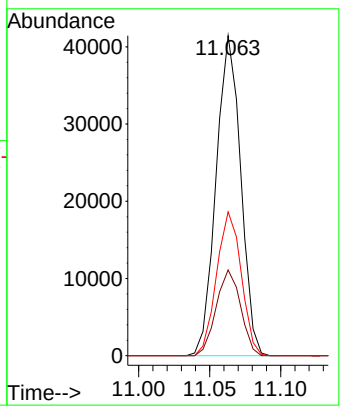


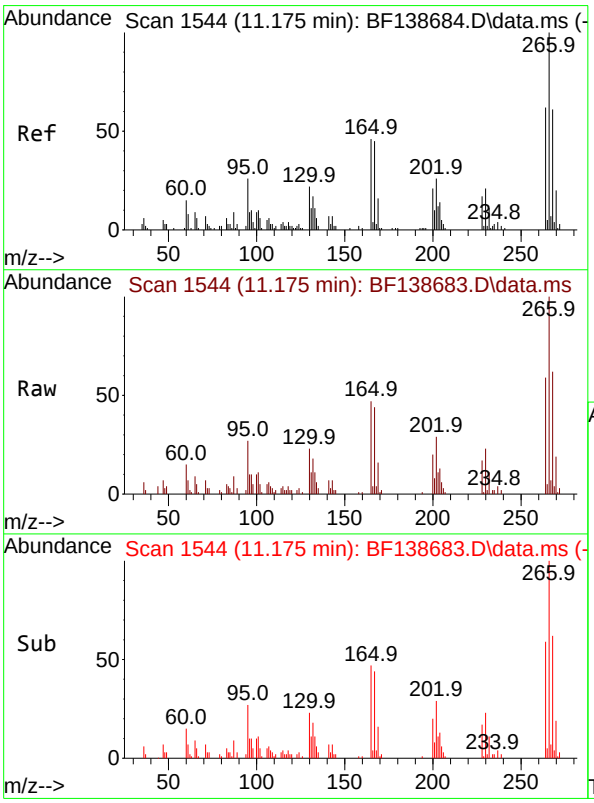
#69
Atrazine
Concen: 21.847 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 49863

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.0	46.0
215	45.0	26.1	66.1

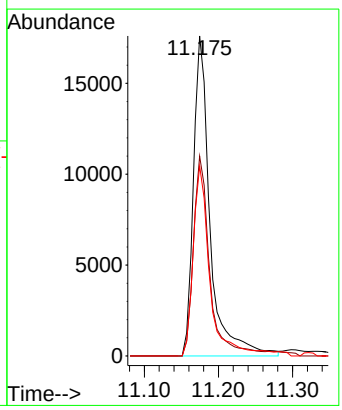


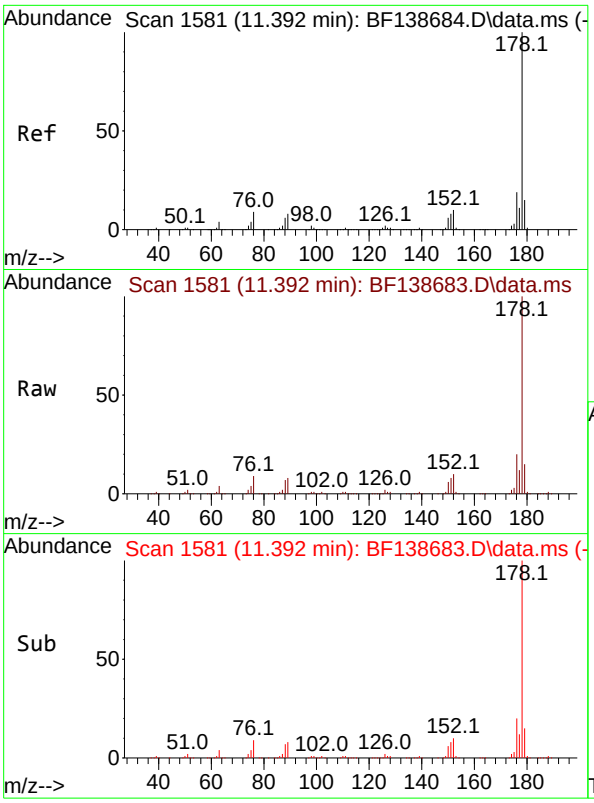


#70
Pentachlorophenol
Concen: 19.263 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:266 Resp: 27470

Ion	Ratio	Lower	Upper
266	100		
268	62.5	49.2	73.8
264	59.4	49.8	74.6



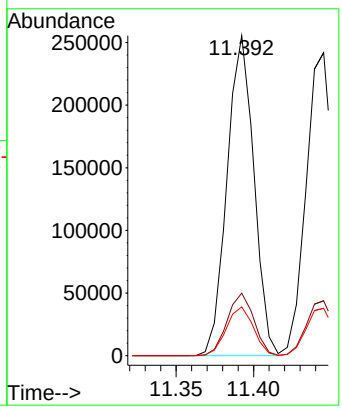


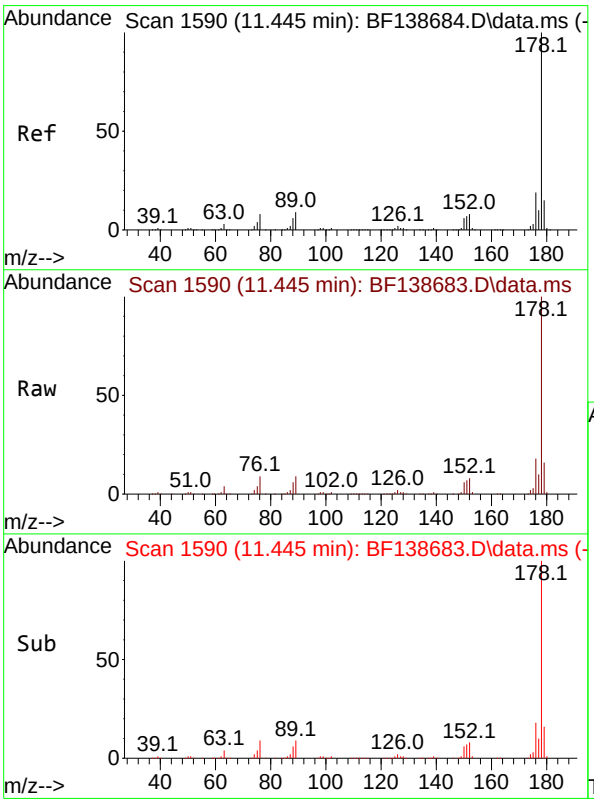
#71
Phenanthrene
Concen: 21.117 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 307735

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.2	18.2

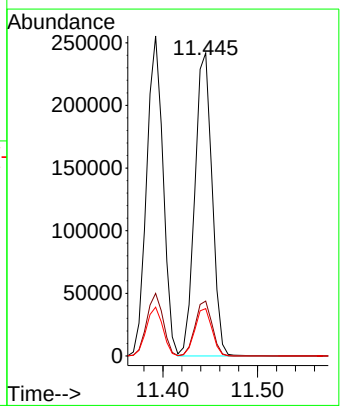


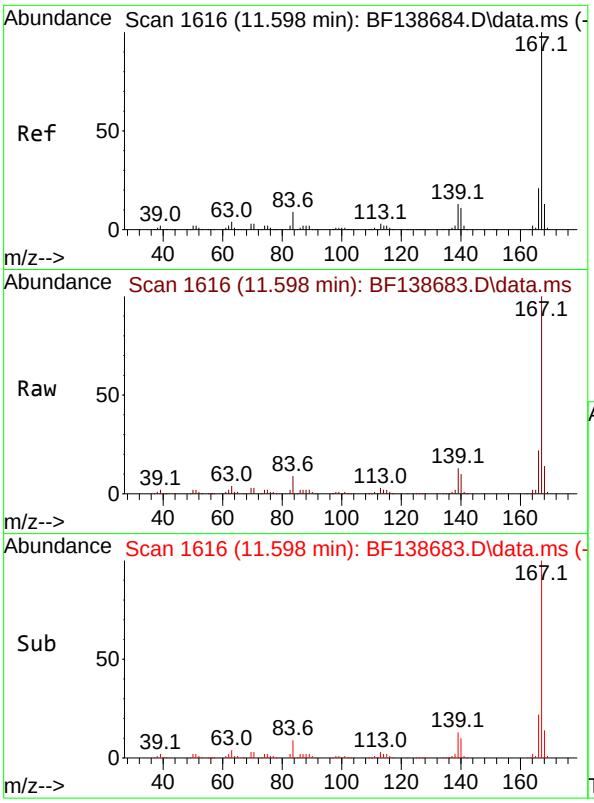


#72
Anthracene
Concen: 21.256 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:178 Resp: 305147

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.6	12.4	18.6



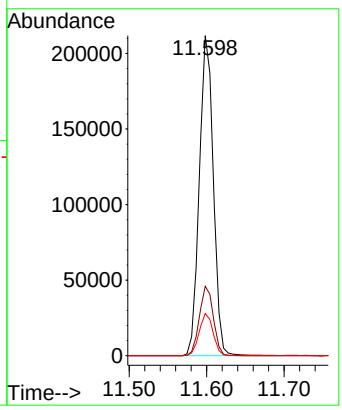


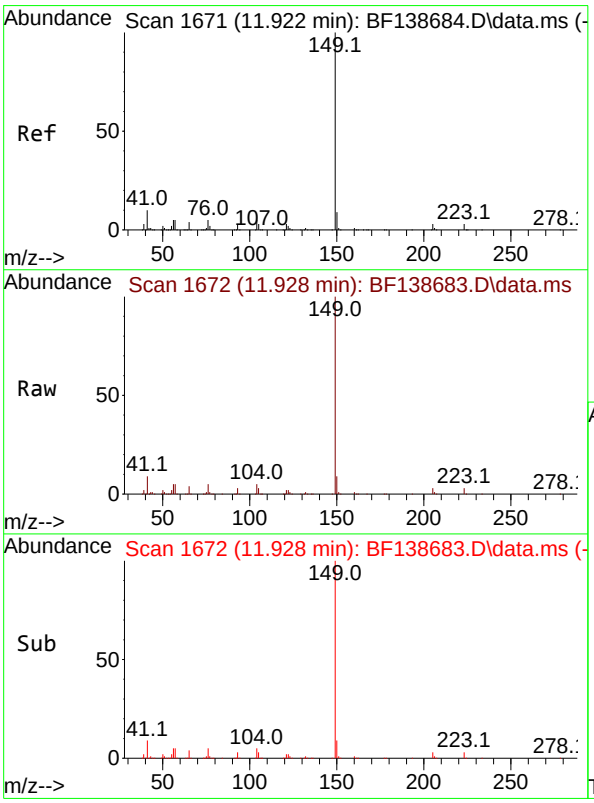
#73
Carbazole
Concen: 21.474 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 265973

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.2	10.6	16.0

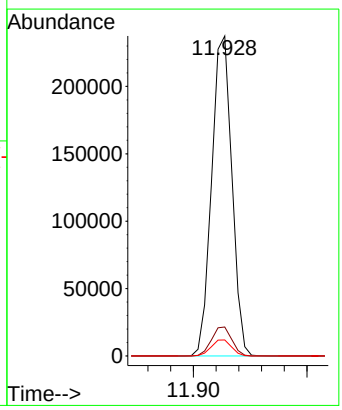


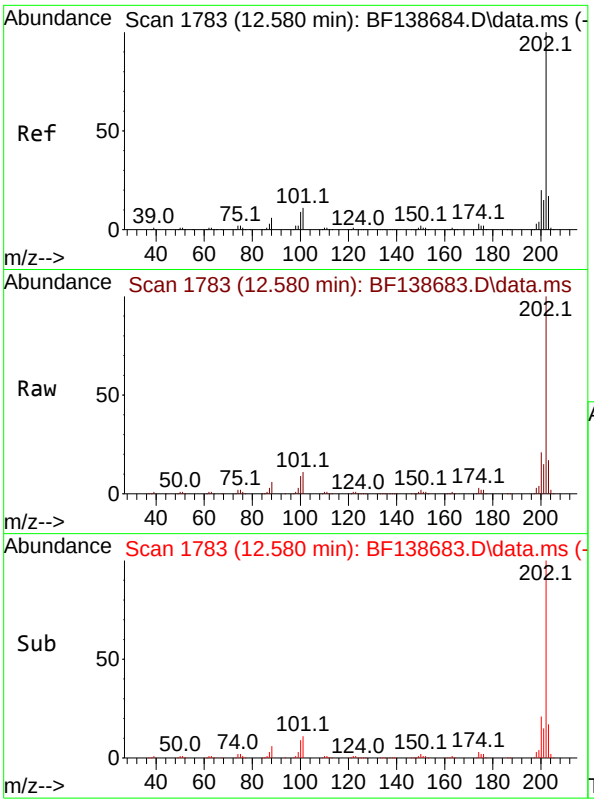


#74
Di-n-butylphthalate
Concen: 21.131 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 294214

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.0	4.1	6.1



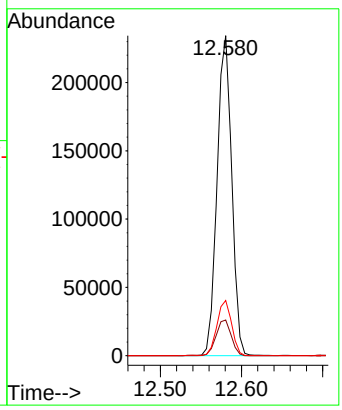


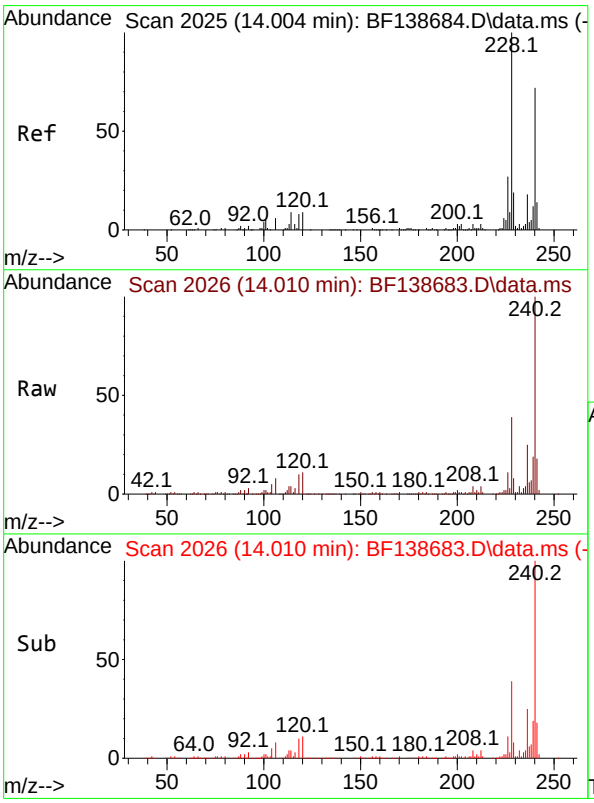
#75
Fluoranthene
Concen: 21.613 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 294039

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.2
203	17.3	0.0	37.3

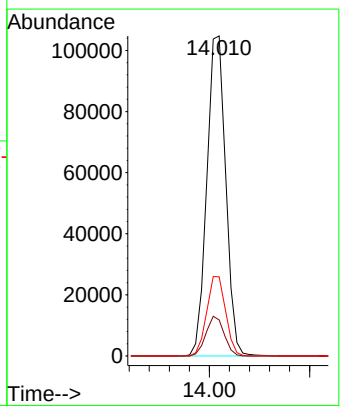


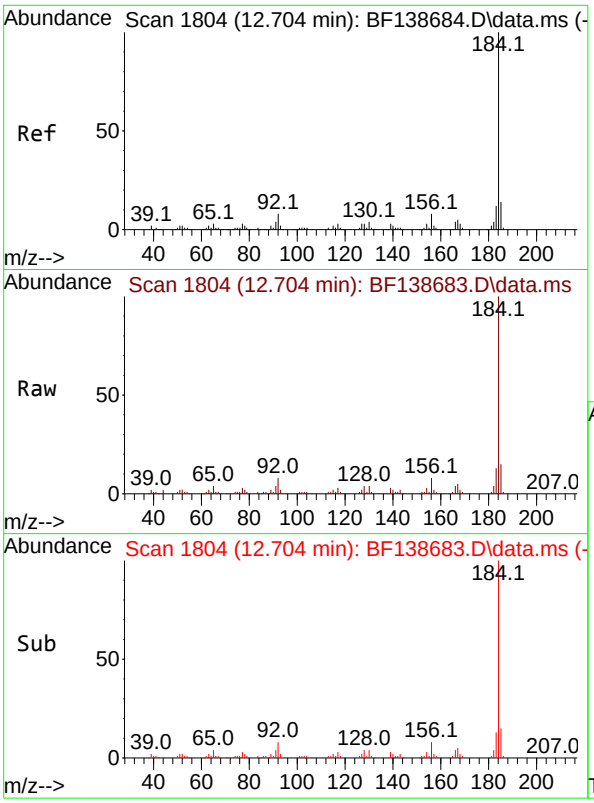


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:240 Resp: 137400

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.2	15.4
236	24.7	19.8	29.8



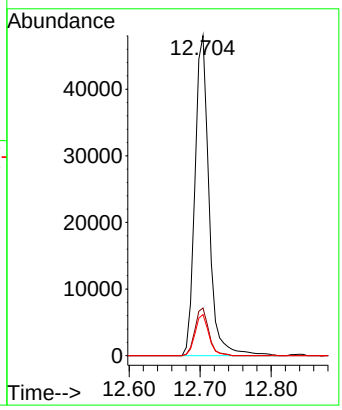


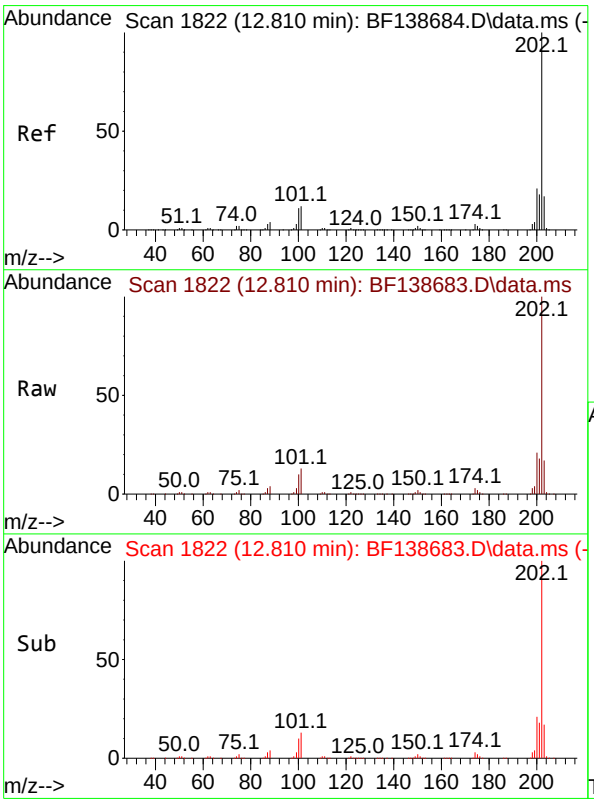
#77
Benzidine
Concen: 20.254 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 66561

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.1	16.7
183	12.9	9.6	14.4

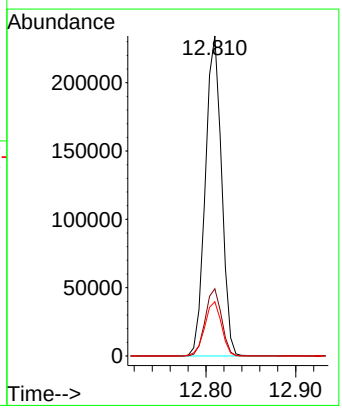


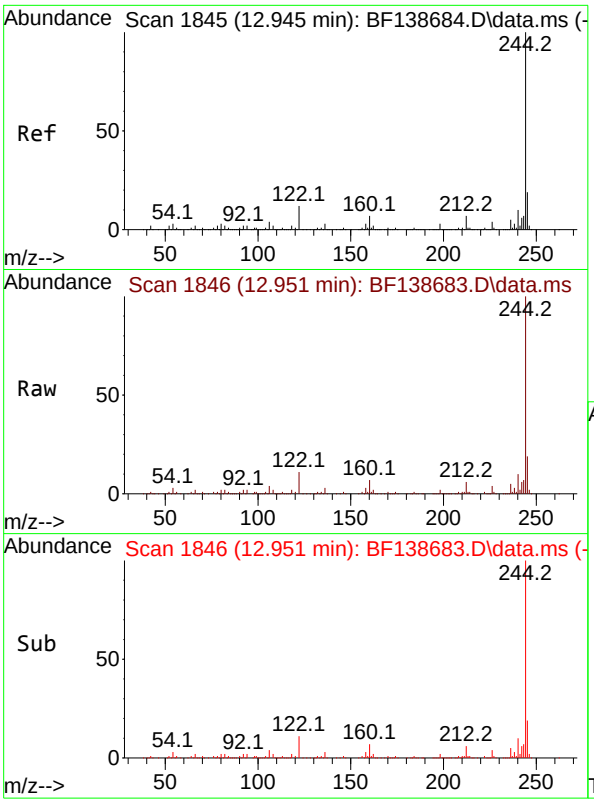


#78
Pyrene
Concen: 22.728 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:202 Resp: 294030

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	16.9	13.8	20.6



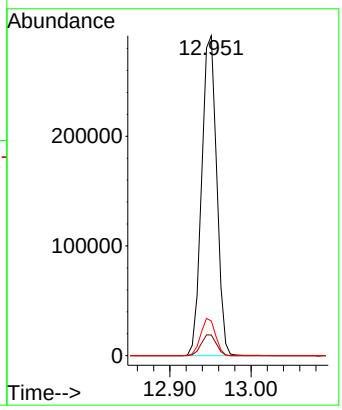


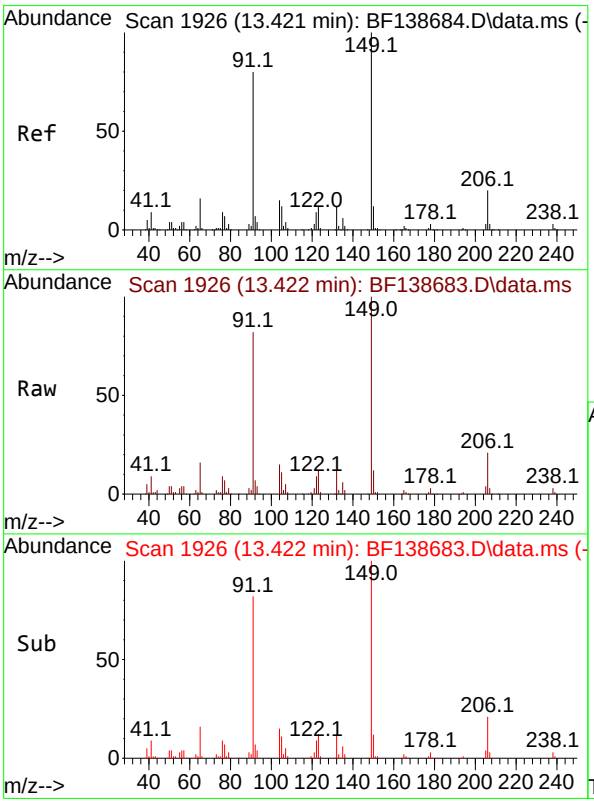
#79
Terphenyl-d14
Concen: 45.593 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 374162

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.8	9.6	14.4

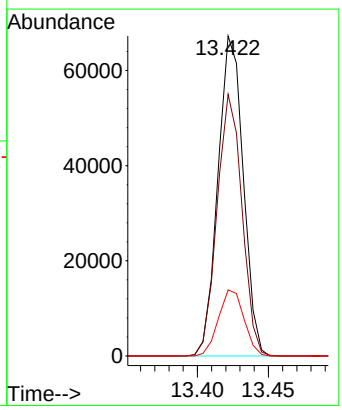


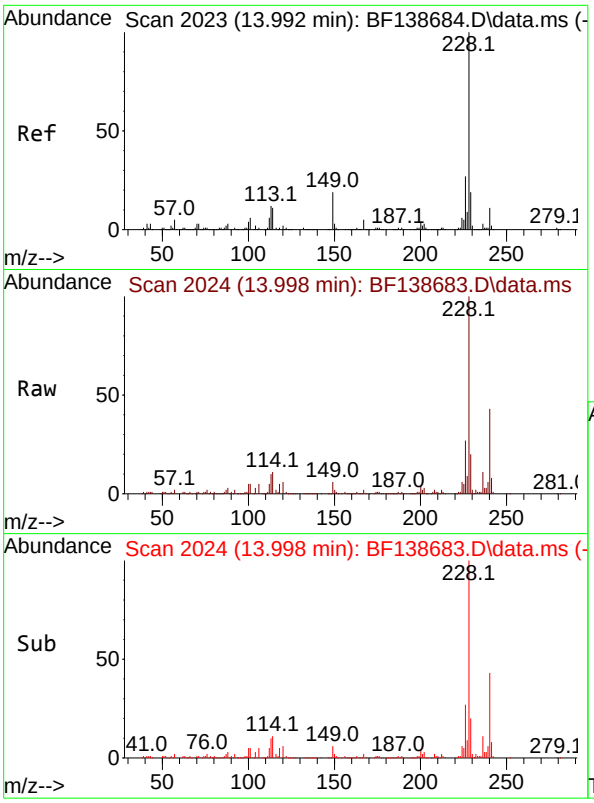


#80
Butylbenzylphthalate
Concen: 20.074 ng
RT: 13.422 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 83162

Ion	Ratio	Lower	Upper
149	100		
91	81.8	63.7	95.5
206	20.7	16.2	24.2



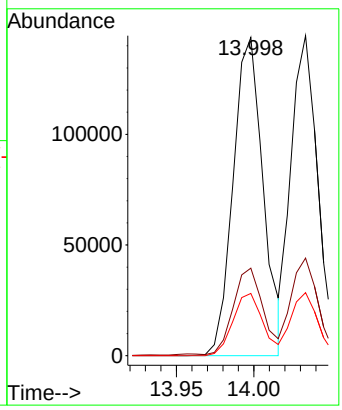


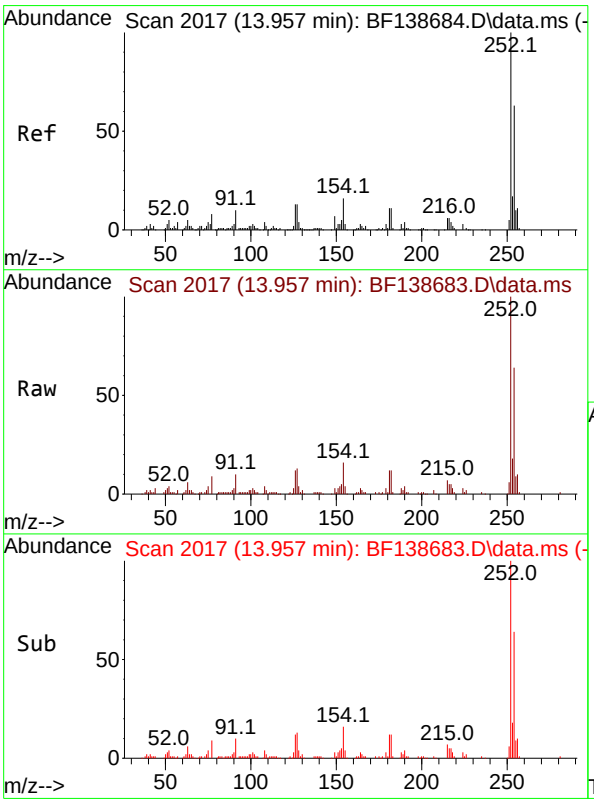
#81
Benzo(a)anthracene
Concen: 20.469 ng
RT: 13.998 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 193671

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	19.5	15.4	23.0

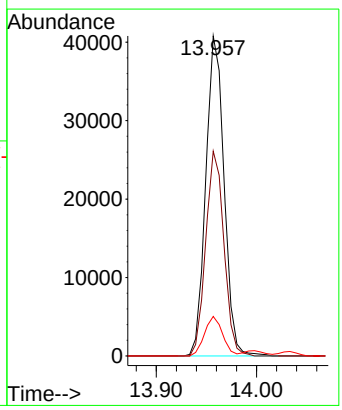


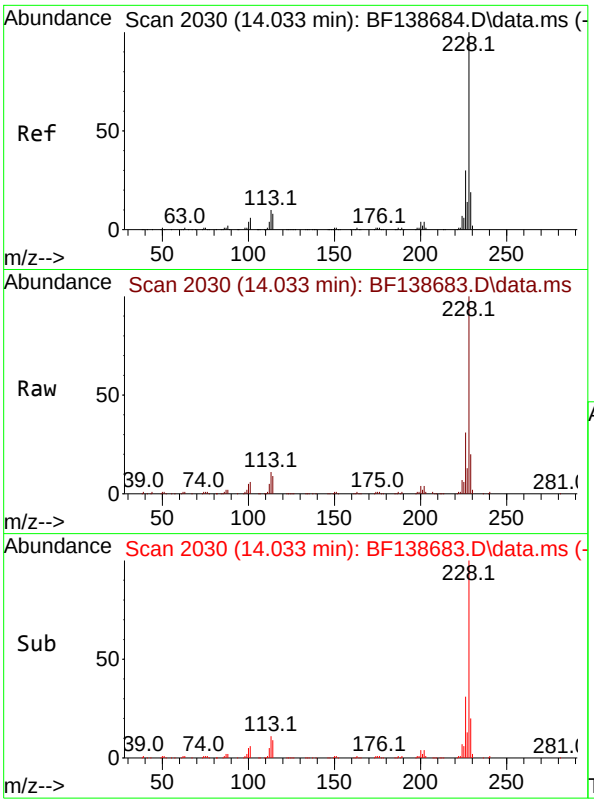


#82
3,3'-Dichlorobenzidine
Concen: 21.412 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:252 Resp: 51844

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.8	76.2
126	12.4	10.2	15.2



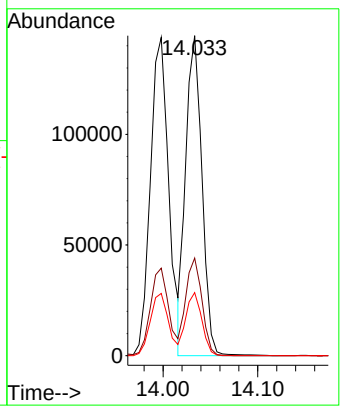


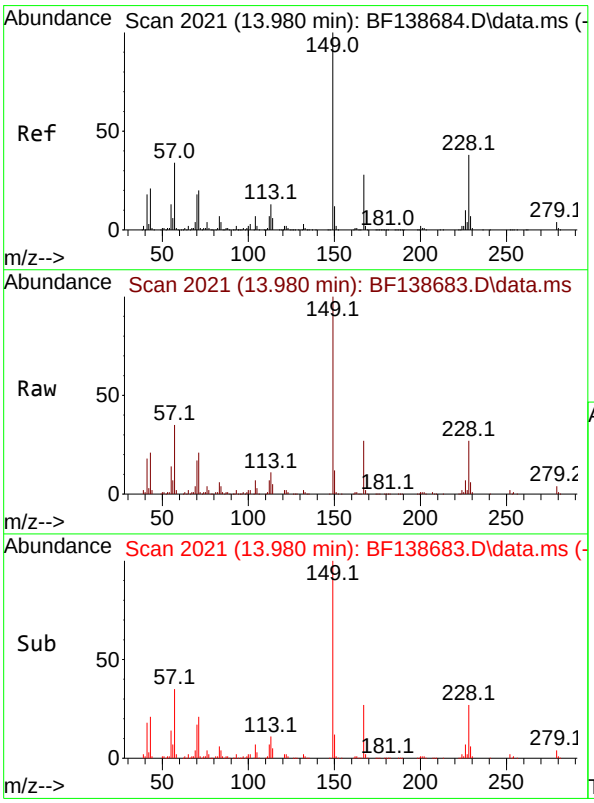
#83
Chrysene
Concen: 20.285 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 173160

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.7	15.0	22.6

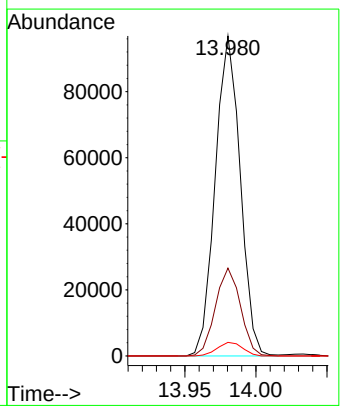


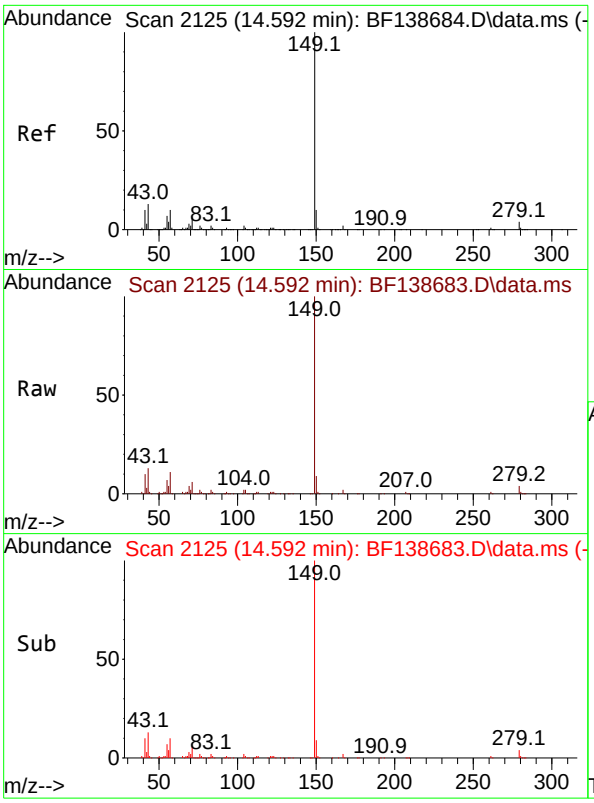


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.500 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:149 Resp: 118293

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.3	3.4	5.0



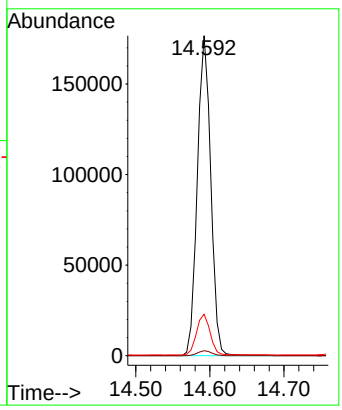


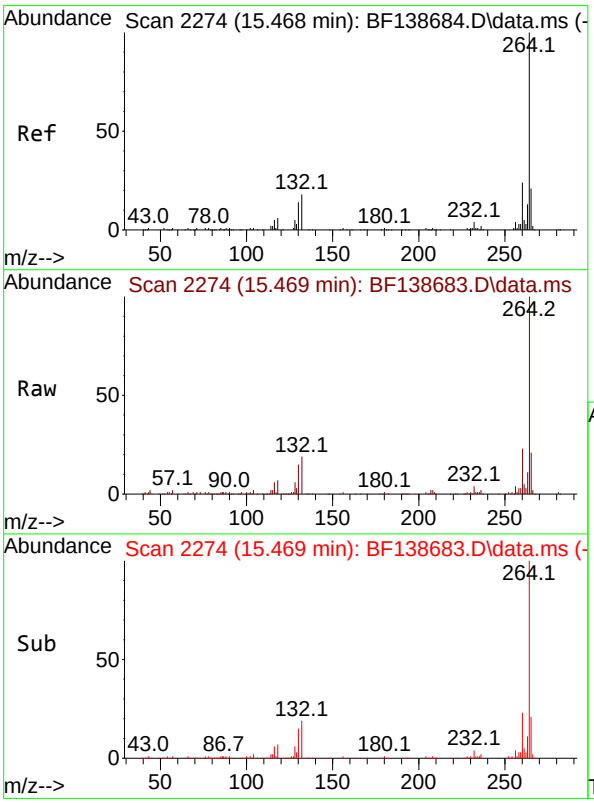
#85
Di-n-octyl phthalate
Concen: 19.758 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 221760

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.9	10.4	15.6

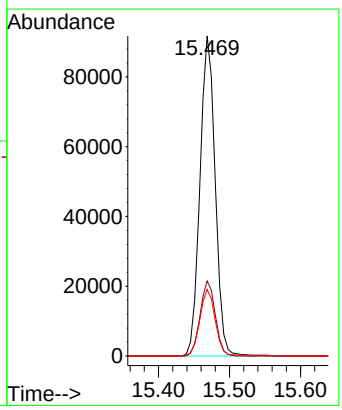


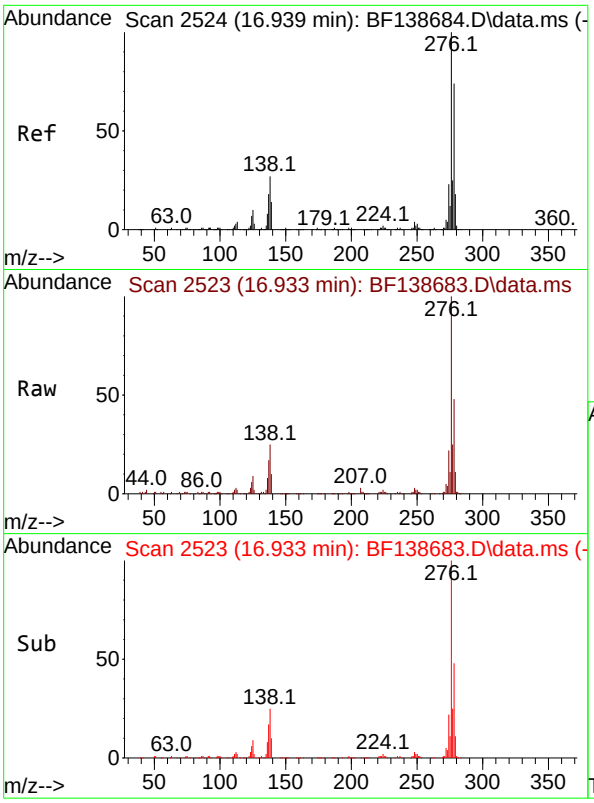


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:264 Resp: 137093

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	20.8	17.0	25.6



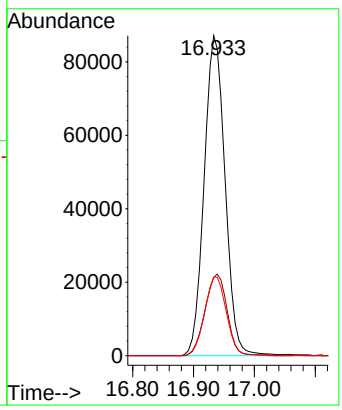


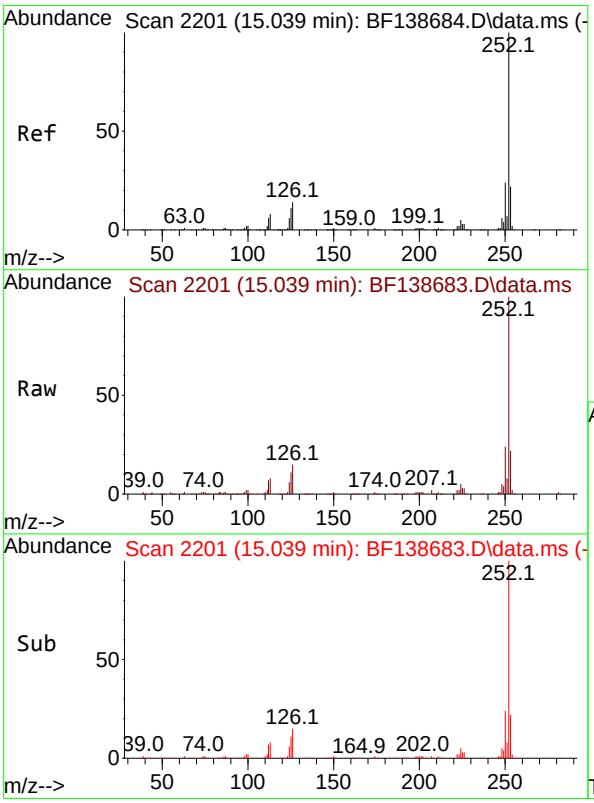
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.168 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 207968

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.8
277	25.4	20.6	30.8

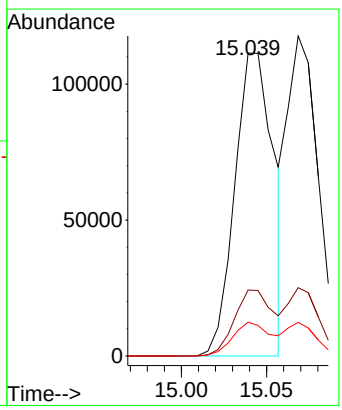


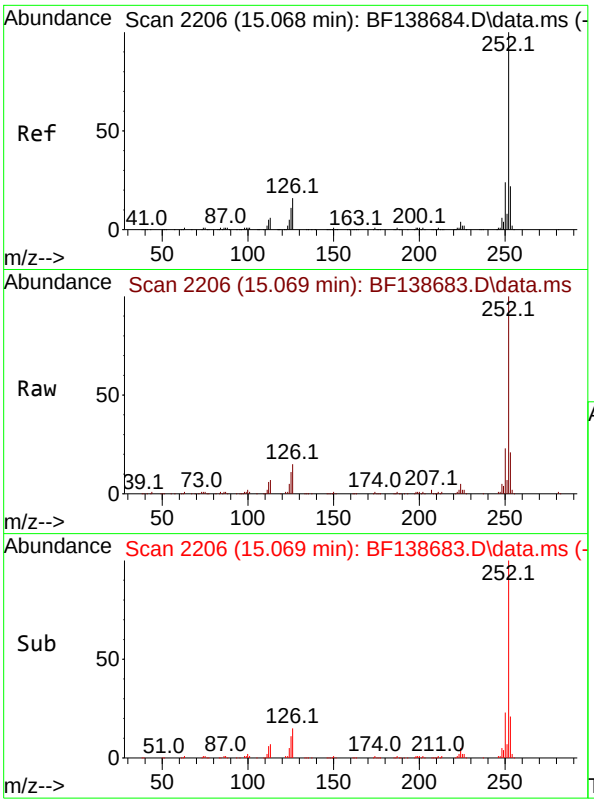


#88
Benzo(b)fluoranthene
Concen: 20.755 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:252 Resp: 176387

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.1	8.9	13.3



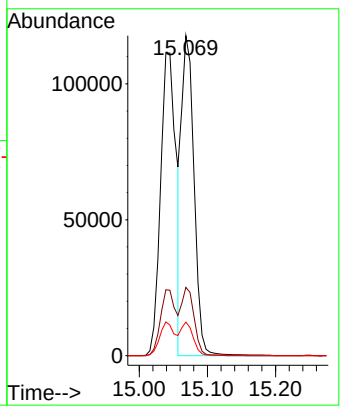


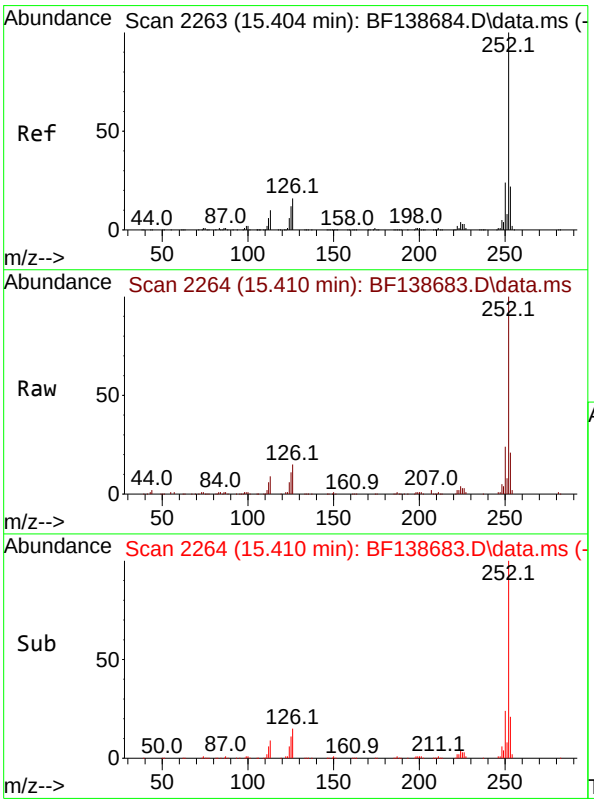
#89
Benzo(k)fluoranthene
Concen: 20.460 ng
RT: 15.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 150547

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	10.5	8.6	13.0

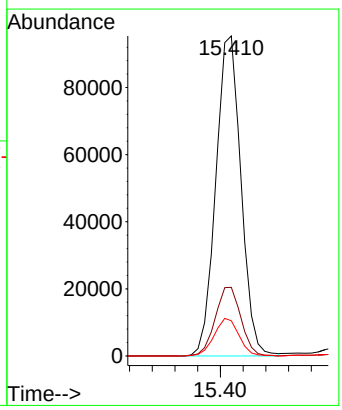


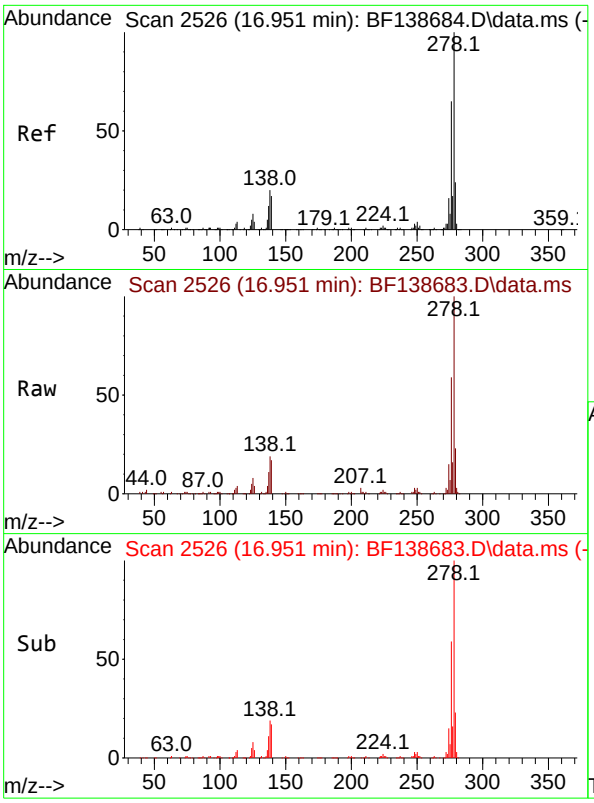


#90
Benzo(a)pyrene
Concen: 20.531 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:252 Resp: 146767

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	11.0	9.5	14.3



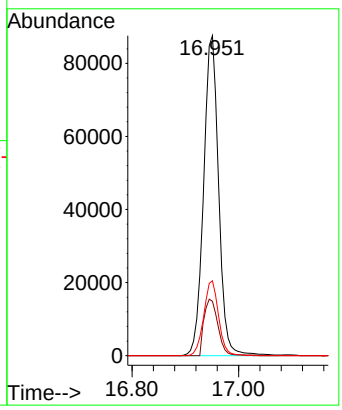


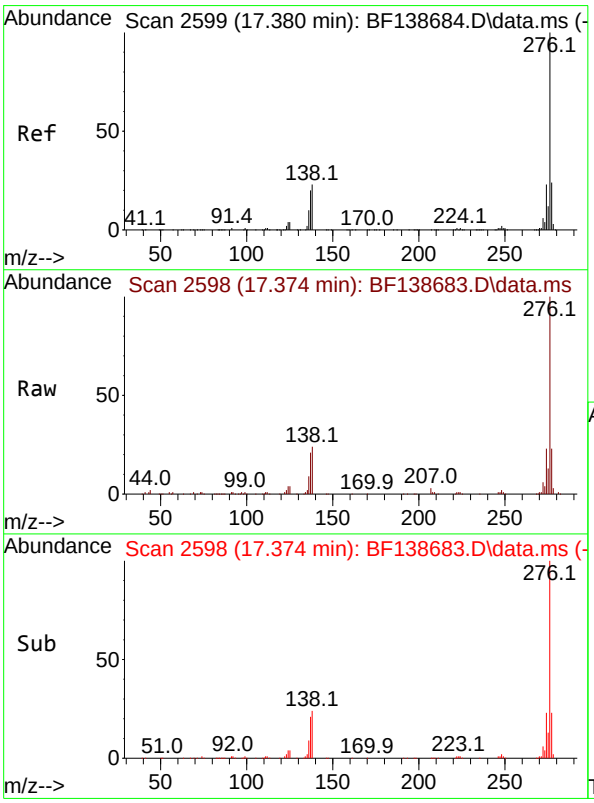
#91
Dibenzo(a,h)anthracene
Concen: 21.296 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 171745

Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.0	21.0
279	23.4	19.0	28.4

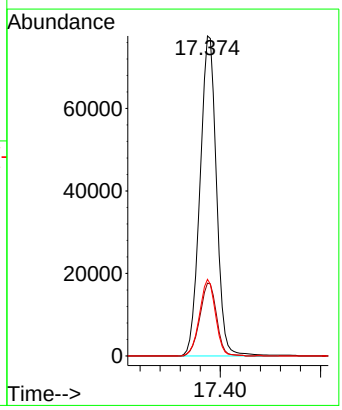




#92
Benzo(g,h,i)perylene
Concen: 21.110 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:276 Resp: 176662

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.0	28.4
138	24.0	18.5	27.7



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138684.D
Acq On : 30 Jul 2024 14:56
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 30 17:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	72528	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	281315	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	146962	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	227513	20.000	ng	0.00
76) Chrysene-d12	14.004	240	125928	20.000	ng	0.00
86) Perylene-d12	15.468	264	151531	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	369590	78.662	ng	0.00
7) Phenol-d6	6.487	99	487812	77.330	ng	0.00
23) Nitrobenzene-d5	7.410	82	457661	79.539	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	93462	77.638	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	767623	78.480	ng	0.00
79) Terphenyl-d14	12.945	244	556920	74.045	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.575	88	83483	40.585	ng	100
3) Pyridine	3.334	79	200383	40.213	ng	100
4) n-Nitrosodimethylamine	3.287	42	118122	39.802	ng	100
6) Aniline	6.510	93	222231	39.503	ng	100
8) 2-Chlorophenol	6.634	128	192242	38.889	ng	100
9) Benzaldehyde	6.398	77	131168	34.687	ng	100
10) Phenol	6.498	94	257462	38.764	ng	100
11) bis(2-Chloroethyl)ether	6.587	93	197702	38.681	ng	100
12) 1,3-Dichlorobenzene	6.787	146	213925	38.660	ng	100
13) 1,4-Dichlorobenzene	6.863	146	217011	38.861	ng	100
14) 1,2-Dichlorobenzene	7.016	146	204280	39.143	ng	100
15) Benzyl Alcohol	6.992	79	176734	38.872	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.122	45	340905	38.757	ng	100
17) 2-Methylphenol	7.104	107	160028	39.204	ng	100
18) Hexachloroethane	7.357	117	82349	39.176	ng	100
19) n-Nitroso-di-n-propyla...	7.257	70	143913	37.772	ng	100
20) 3+4-Methylphenols	7.257	107	198296	37.862	ng	100
22) Acetophenone	7.257	105	271238	39.378	ng	100
24) Nitrobenzene	7.428	77	234435	40.040	ng	100
25) Isophorone	7.669	82	382875	38.969	ng	100
26) 2-Nitrophenol	7.745	139	103255	40.990	ng	100
27) 2,4-Dimethylphenol	7.781	122	120225	39.890	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	235424	39.348	ng	100
29) 2,4-Dichlorophenol	7.992	162	155028	40.030	ng	100
30) 1,2,4-Trichlorobenzene	8.069	180	178035	39.835	ng	100
31) Naphthalene	8.151	128	587199	39.655	ng	100
32) Benzoic acid	7.904	122	93278	39.389	ng	100
33) 4-Chloroaniline	8.204	127	194499	39.130	ng	100
34) Hexachlorobutadiene	8.263	225	106863	39.476	ng	100
35) Caprolactam	8.569	113	43894	37.984	ng	100
36) 4-Chloro-3-methylphenol	8.681	107	172540	38.983	ng	100
37) 2-Methylnaphthalene	8.839	142	364899	39.019	ng	100
38) 1-Methylnaphthalene	8.939	142	357806	39.045	ng	100
40) 1,2,4,5-Tetrachloroben...	9.004	216	161777	39.628	ng	100
41) Hexachlorocyclopentadiene	8.986	237	37306	38.484	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	98841	39.709	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138684.D
Acq On : 30 Jul 2024 14:56
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 30 17:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	108268	39.788	ng	100
46) 1,1'-Biphenyl	9.304	154	452377	39.303	ng	100
47) 2-Chloronaphthalene	9.328	162	338303	39.520	ng	100
48) 2-Nitroaniline	9.428	65	114390	39.417	ng	100
49) Acenaphthylene	9.745	152	481180	39.633	ng	100
50) Dimethylphthalate	9.604	163	361332	38.452	ng	100
51) 2,6-Dinitrotoluene	9.669	165	84654	39.918	ng	100
52) Acenaphthene	9.916	154	318001	38.964	ng	100
53) 3-Nitroaniline	9.839	138	84697	38.633	ng	100
54) 2,4-Dinitrophenol	9.951	184	37379	38.289	ng	100
55) Dibenzofuran	10.086	168	445244	38.648	ng	100
56) 4-Nitrophenol	10.004	139	51459	39.032	ng	100
57) 2,4-Dinitrotoluene	10.069	165	106444	39.341	ng	100
58) Fluorene	10.428	166	354441	38.634	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	80452	38.673	ng	100
60) Diethylphthalate	10.298	149	339596	38.114	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	173020	38.346	ng	100
62) 4-Nitroaniline	10.451	138	79919	38.360	ng	100
63) Azobenzene	10.580	77	382056	38.662	ng	100
65) 4,6-Dinitro-2-methylph...	10.480	198	56704	40.852	ng	100
66) n-Nitrosodiphenylamine	10.539	169	287289	40.397	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	98606	40.031	ng	100
68) Hexachlorobenzene	10.975	284	100089	39.354	ng	100
69) Atrazine	11.063	200	73933	40.295	ng	100
70) Pentachlorophenol	11.175	266	46467	40.533	ng	100
71) Phenanthrene	11.392	178	464600	39.658	ng	100
72) Anthracene	11.445	178	456164	39.526	ng	100
73) Carbazole	11.598	167	395675	39.739	ng	100
74) Di-n-butylphthalate	11.922	149	451011	40.293	ng	100
75) Fluoranthene	12.580	202	439041	40.144	ng	100
77) Benzidine	12.704	184	134710	44.725	ng	100
78) Pyrene	12.810	202	440674	37.167	ng	100
80) Butylbenzylphthalate	13.421	149	158088	41.637	ng	100
81) Benzo(a)anthracene	13.992	228	351448	40.528	ng	100
82) 3,3'-Dichlorobenzidine	13.957	252	90595	40.825	ng	100
83) Chrysene	14.033	228	307799	39.343	ng	100
84) Bis(2-ethylhexyl)phtha...	13.980	149	238798	42.951	ng	100
85) Di-n-octyl phthalate	14.592	149	439133	42.690	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	422742	38.929	ng	100
88) Benzo(b)fluoranthene	15.039	252	372478	39.653	ng	100
89) Benzo(k)fluoranthene	15.068	252	303576	37.326	ng	100
90) Benzo(a)pyrene	15.404	252	309949	39.228	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	343548	38.540	ng	100
92) Benzo(g,h,i)perylene	17.380	276	363283	39.273	ng	100

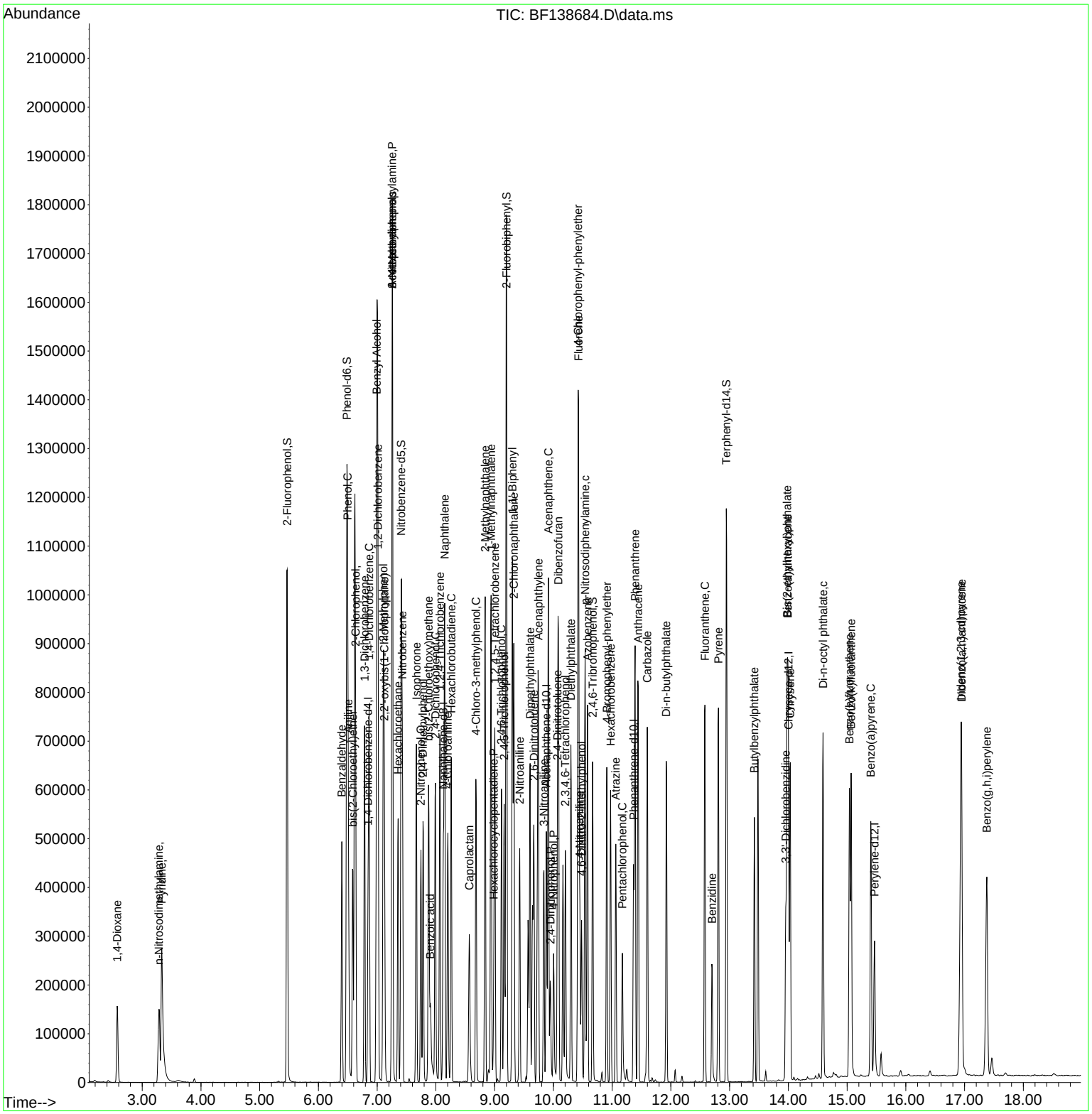
(#) = qualifier out of range (m) = manual integration (+) = signals summed

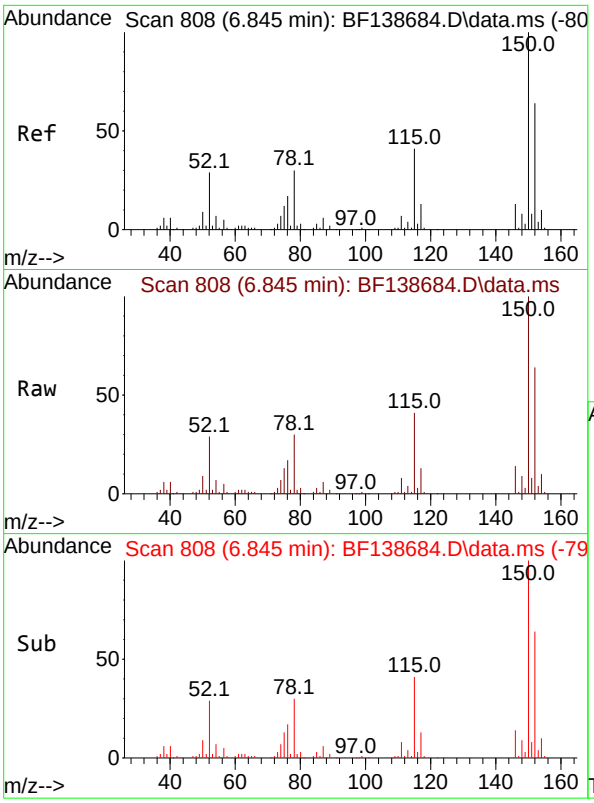
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138684.D
Acq On : 30 Jul 2024 14:56
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 30 17:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



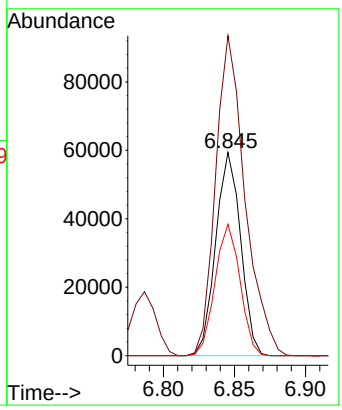


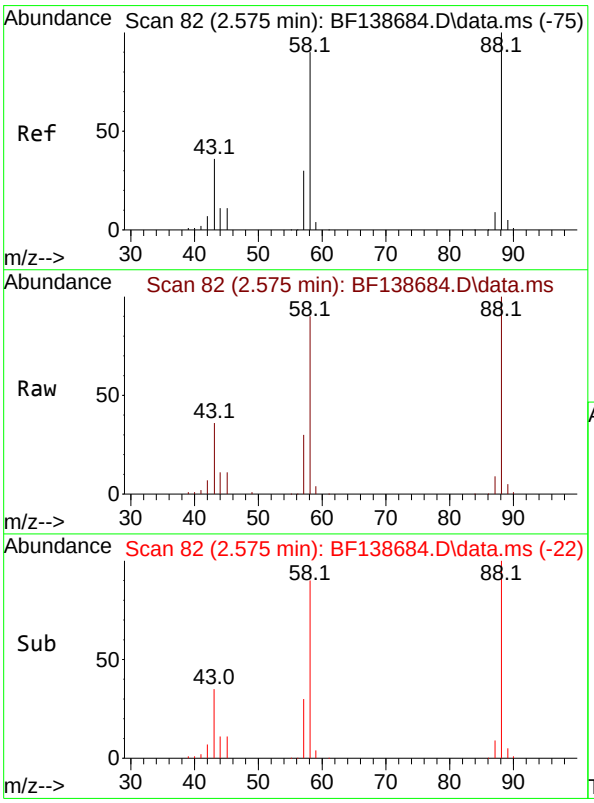
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 72528

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.0	189.0
115	64.6	51.7	77.5

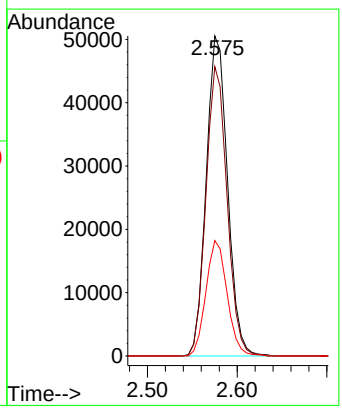


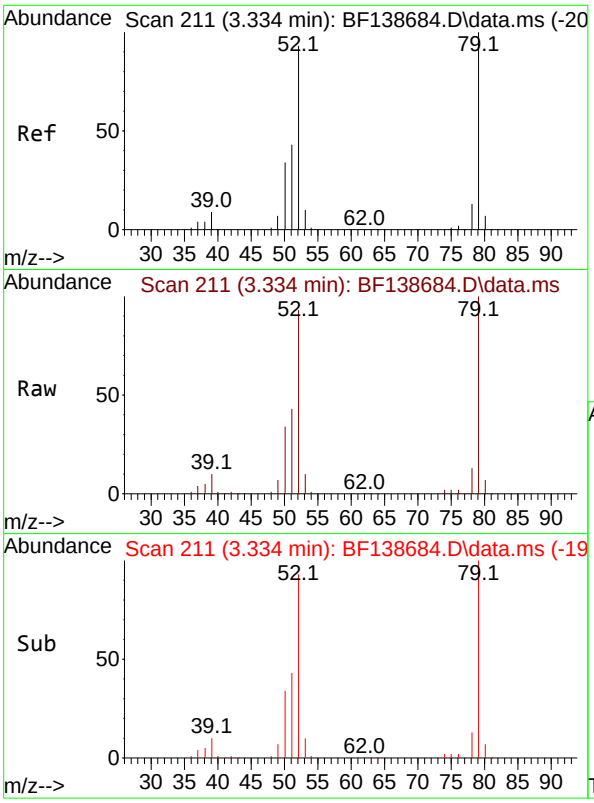


#2
1,4-Dioxane
Concen: 40.585 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 88 Resp: 83483

Ion	Ratio	Lower	Upper
88	100		
58	89.5	71.6	107.4
43	35.9	28.7	43.1



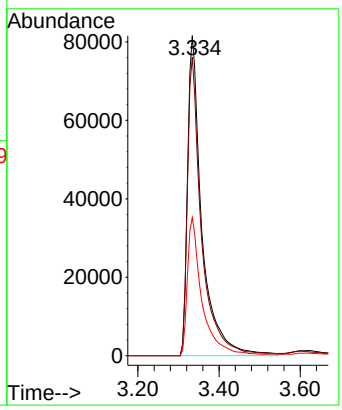


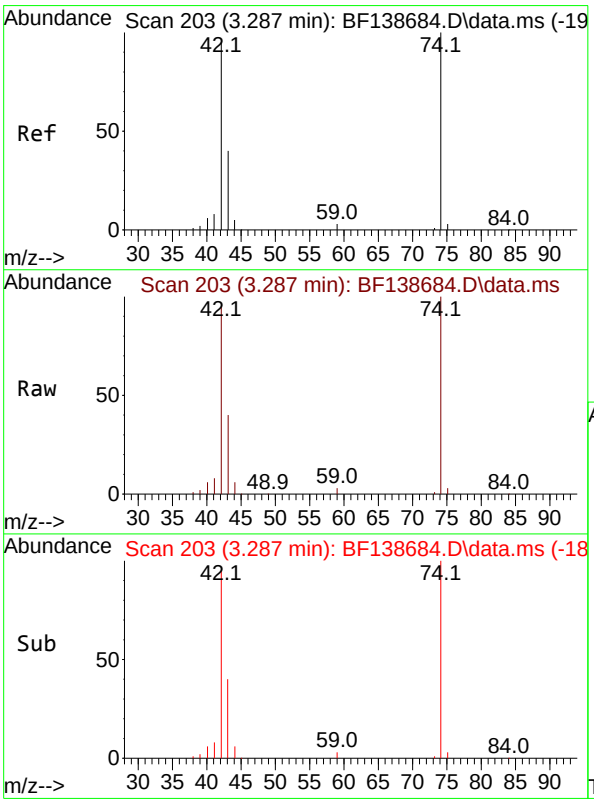
#3
Pyridine
Concen: 40.213 ng
RT: 3.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 200383

Ion	Ratio	Lower	Upper
79	100		
52	93.4	74.7	112.1
51	43.2	34.6	51.8

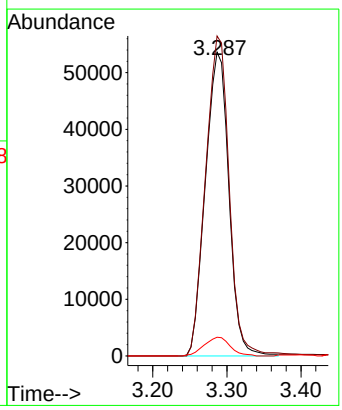


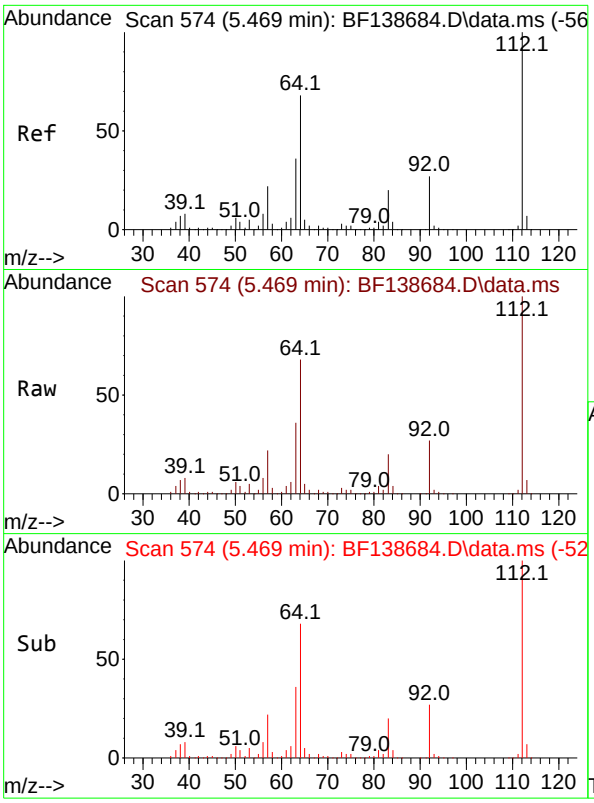


#4
n-Nitrosodimethylamine
Concen: 39.802 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 42 Resp: 118122

Ion	Ratio	Lower	Upper
42	100		
74	105.3	84.2	126.4
44	6.1	4.9	7.3



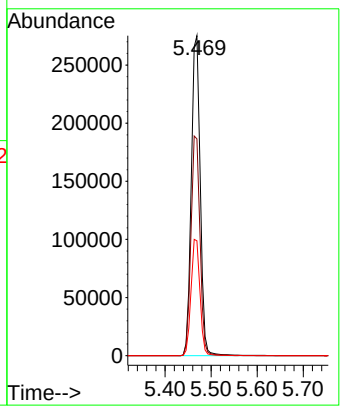


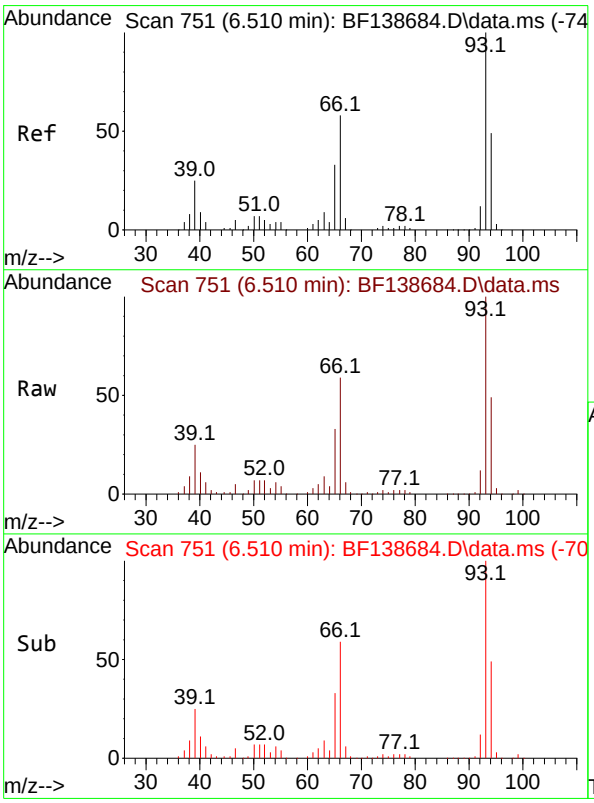
#5
2-Fluorophenol
Concen: 78.662 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 369590

Ion	Ratio	Lower	Upper
112	100		
64	67.8	54.2	81.4
63	35.9	28.7	43.1

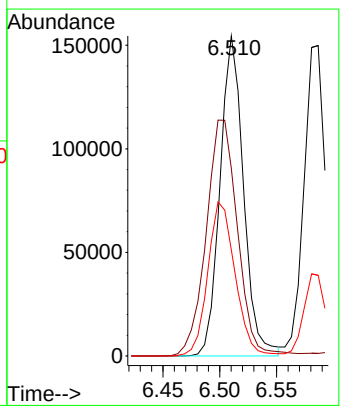


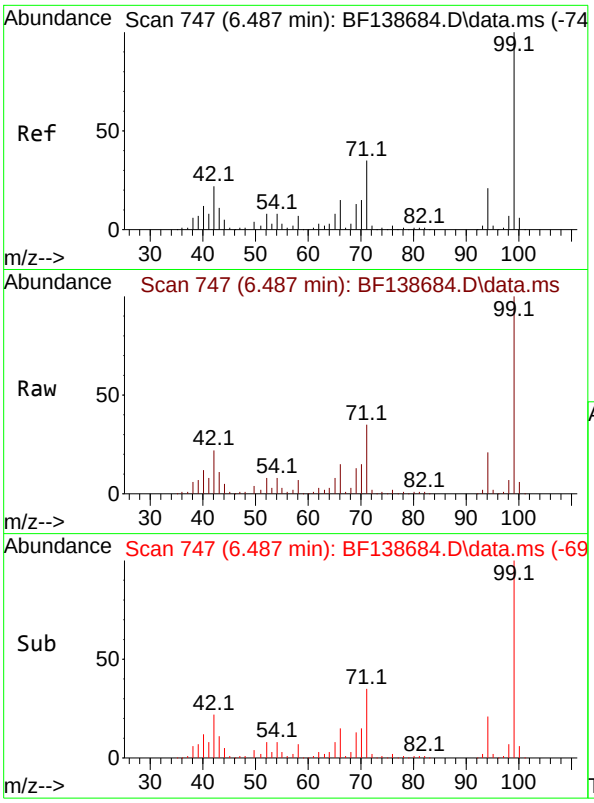


#6
Aniline
Concen: 39.503 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 93 Resp: 222231

Ion	Ratio	Lower	Upper
93	100		
66	58.6	46.9	70.3
65	33.1	26.5	39.7



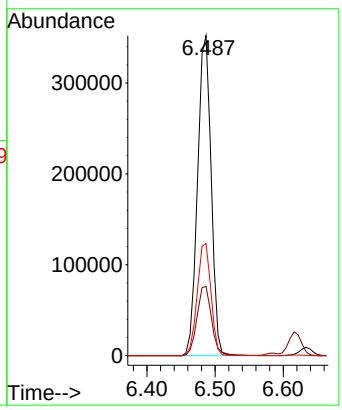


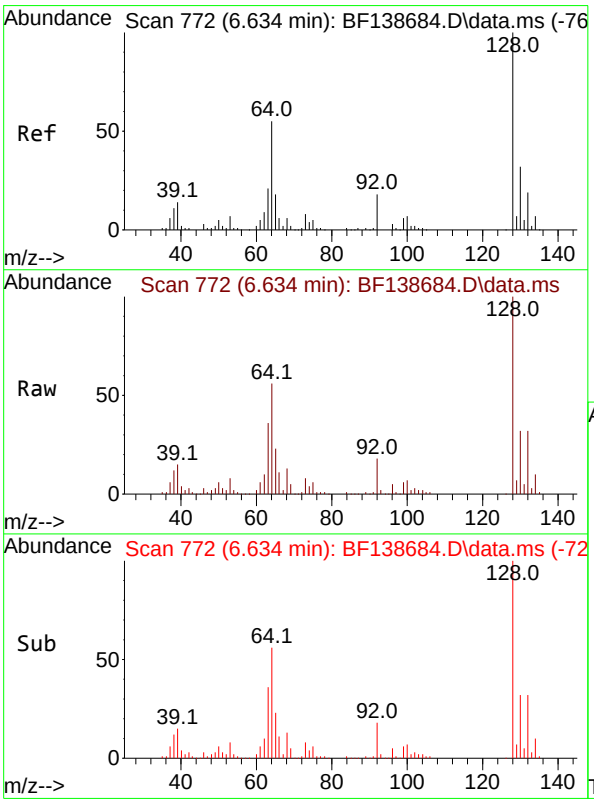
#7
Phenol-d6
Concen: 77.330 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 487812

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.4	26.0
71	35.1	28.1	42.1

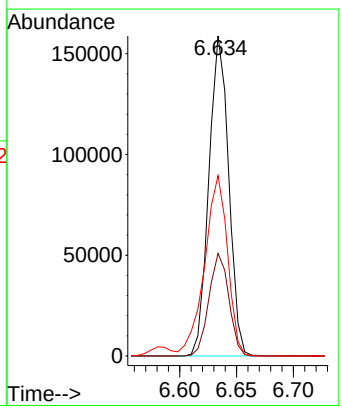


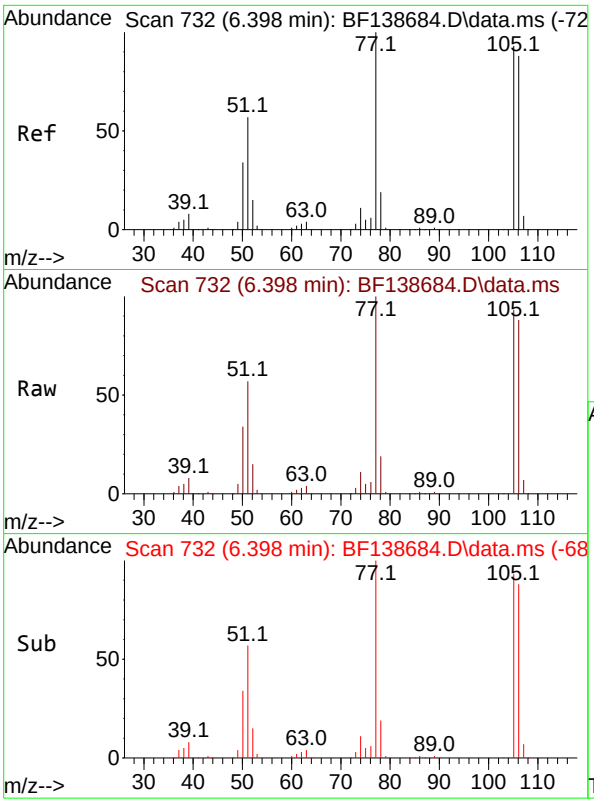


#8
2-Chlorophenol
Concen: 38.889 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:128 Resp: 192242

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.0	52.0
64	56.3	36.3	76.3



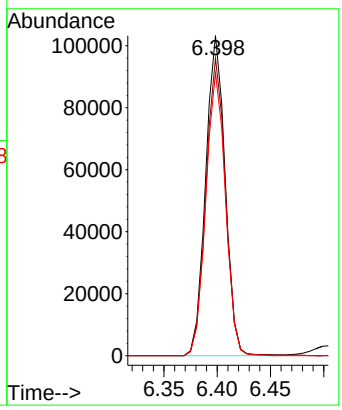


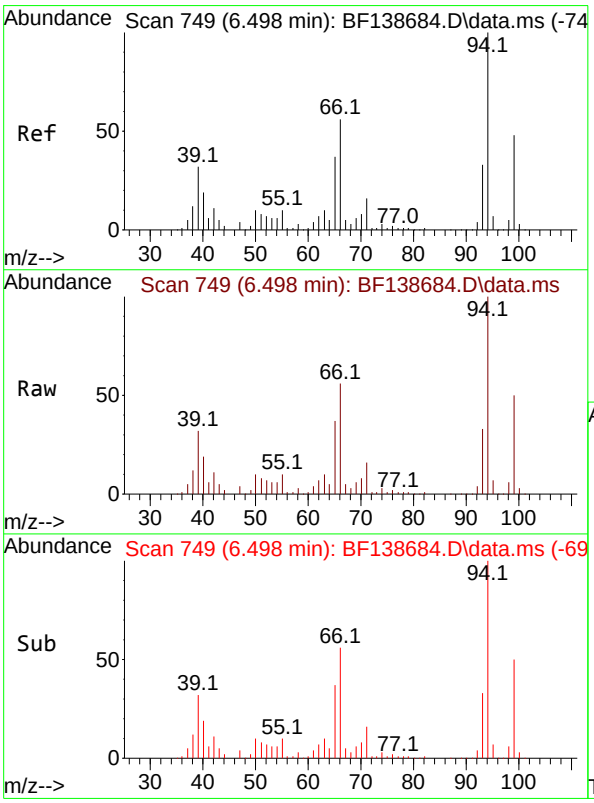
#9
Benzaldehyde
Concen: 34.687 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 131168

Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	88.4	68.4	108.4

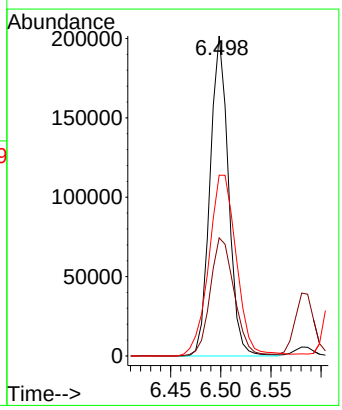


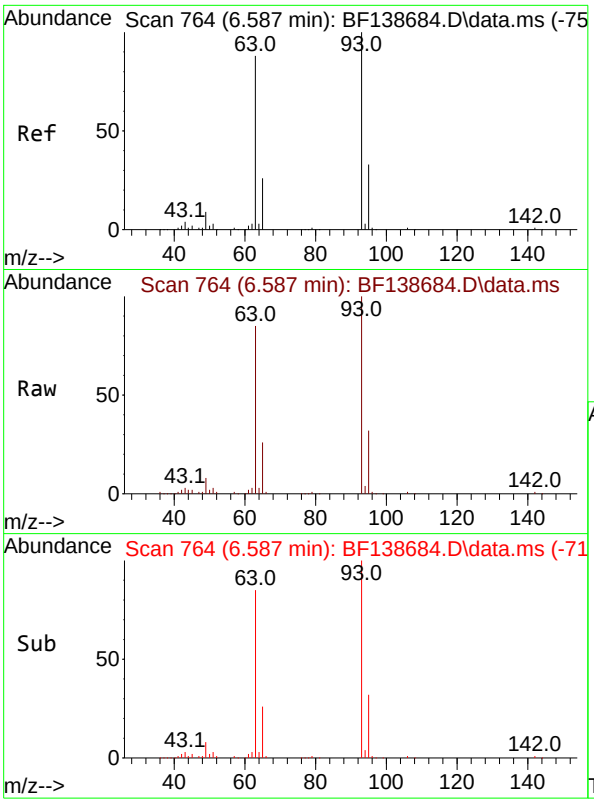


#10
Phenol
Concen: 38.764 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 94 Resp: 257462

Ion	Ratio	Lower	Upper
94	100		
65	36.9	16.9	56.9
66	56.5	36.5	76.5



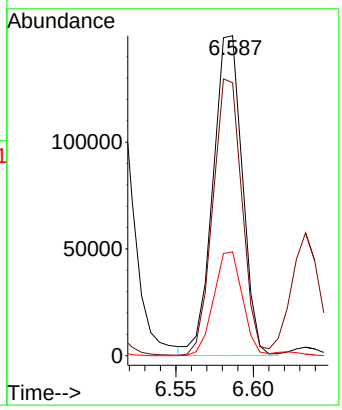


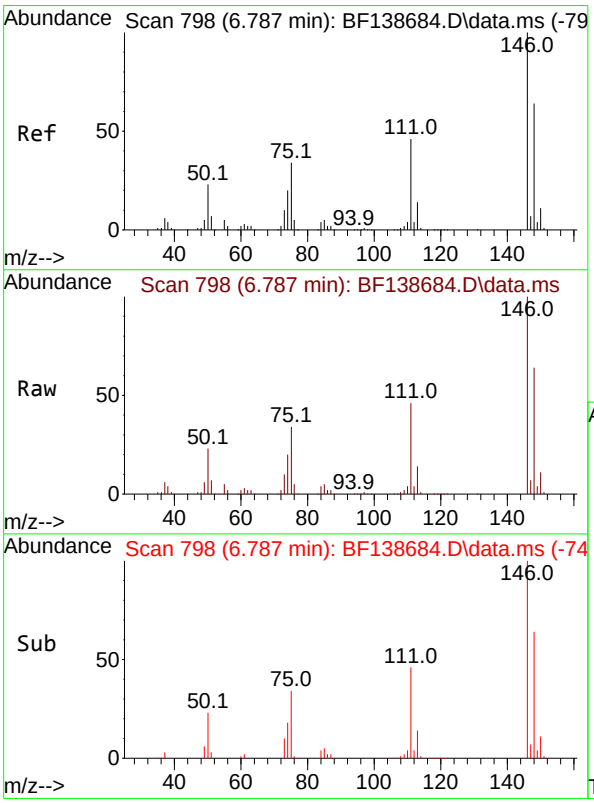
#11
bis(2-Chloroethyl)ether
Concen: 38.681 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 197702

Ion	Ratio	Lower	Upper
93	100		
63	85.3	65.3	105.3
95	32.4	12.4	52.4

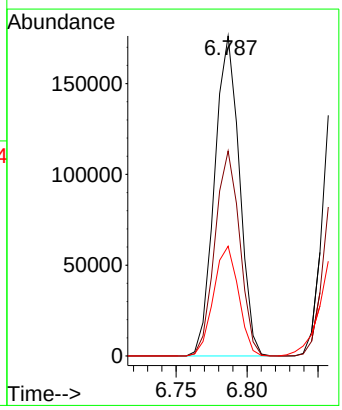


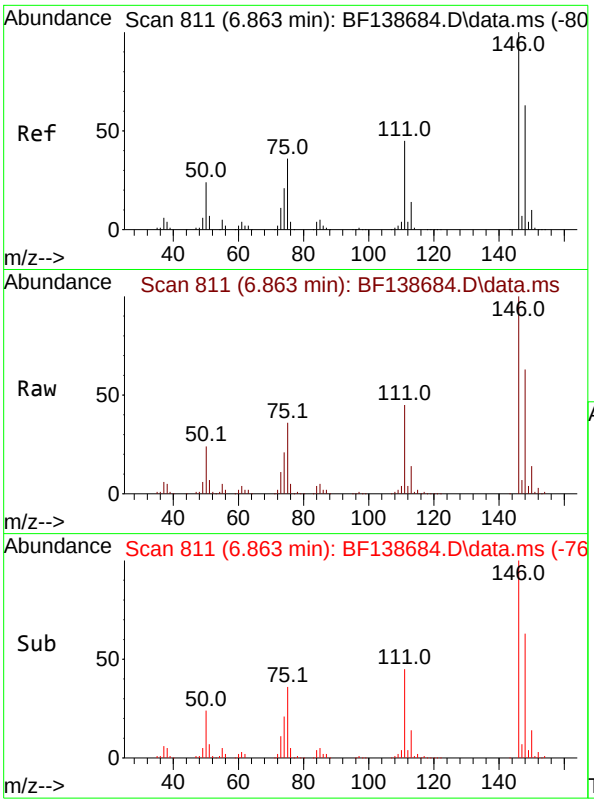


#12
1,3-Dichlorobenzene
Concen: 38.660 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:146 Resp: 213925

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	34.3	27.4	41.2



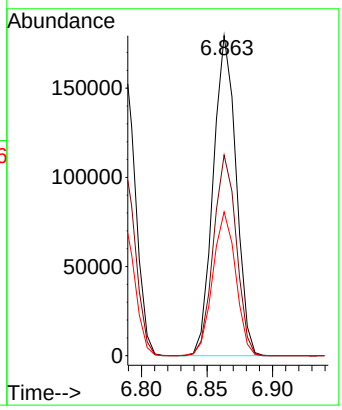


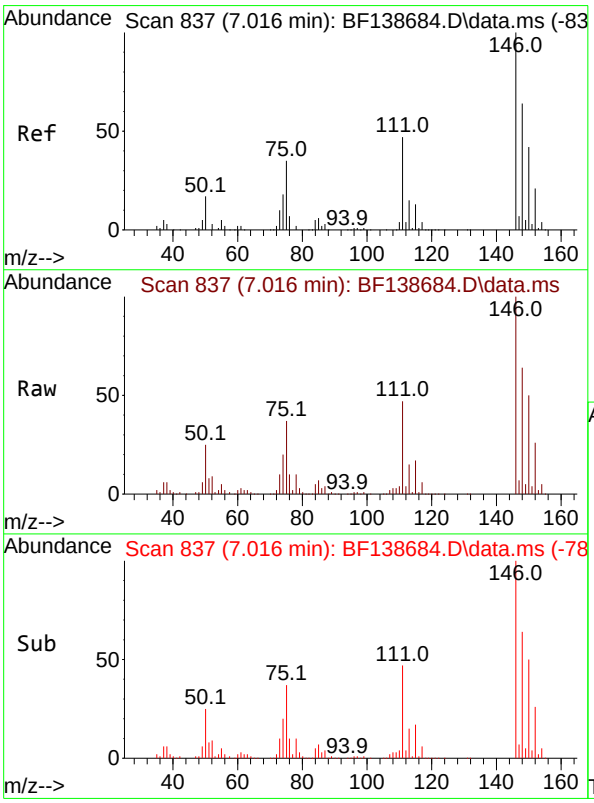
#13
1,4-Dichlorobenzene
Concen: 38.861 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 217011

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.2	75.2
111	44.9	35.9	53.9

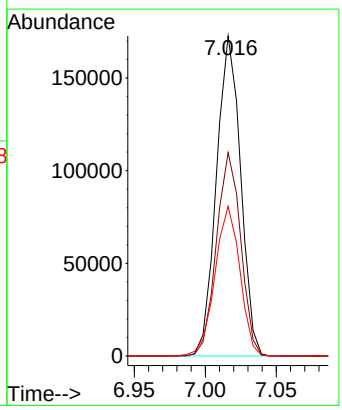


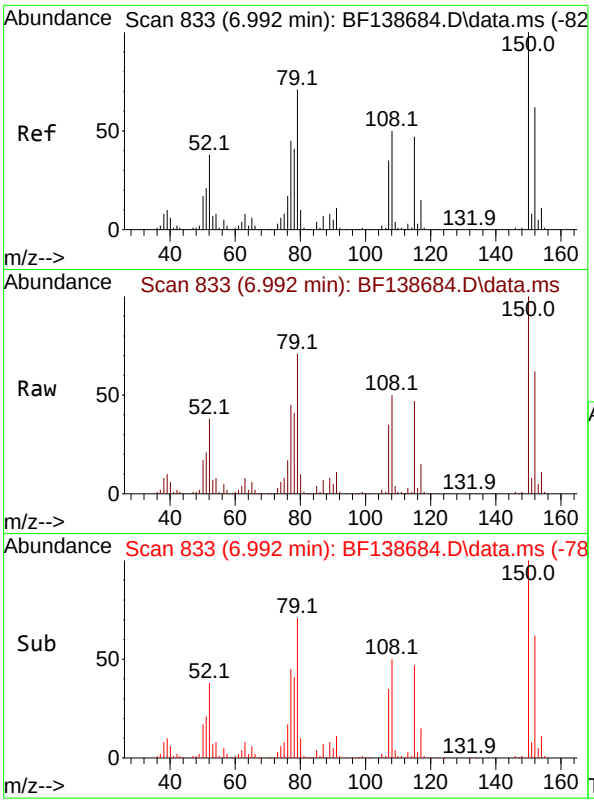


#14
1,2-Dichlorobenzene
Concen: 39.143 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:146 Resp: 204280

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	46.8	37.4	56.2



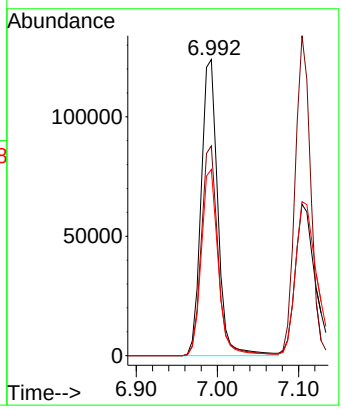


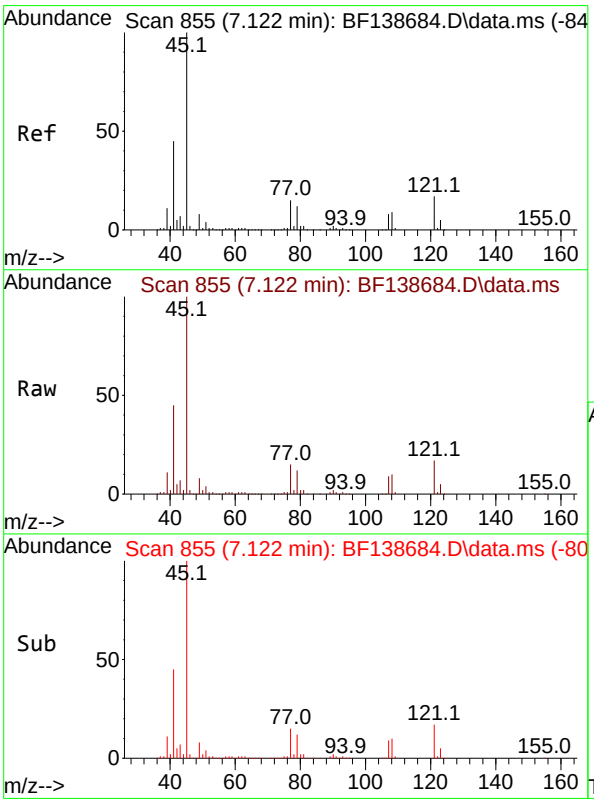
#15
Benzyl Alcohol
Concen: 38.872 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 176734

Ion	Ratio	Lower	Upper
79	100		
108	70.8	56.6	85.0
77	62.9	50.3	75.5

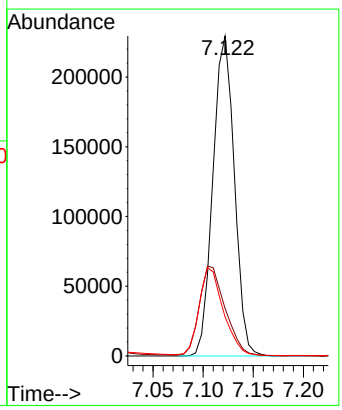


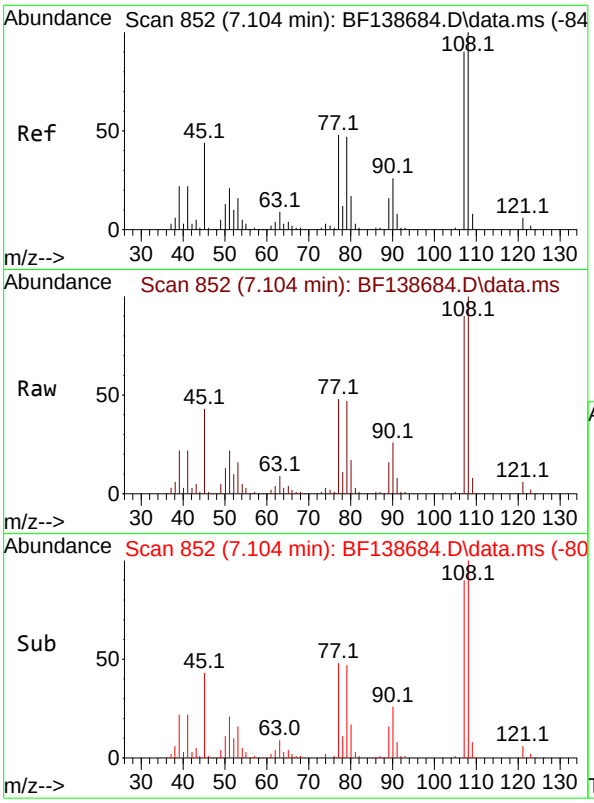


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.757 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 45 Resp: 340905

Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	34.9
79	12.2	0.0	32.2



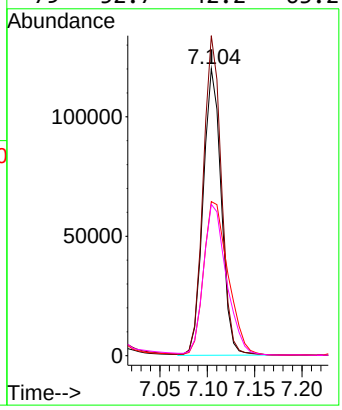


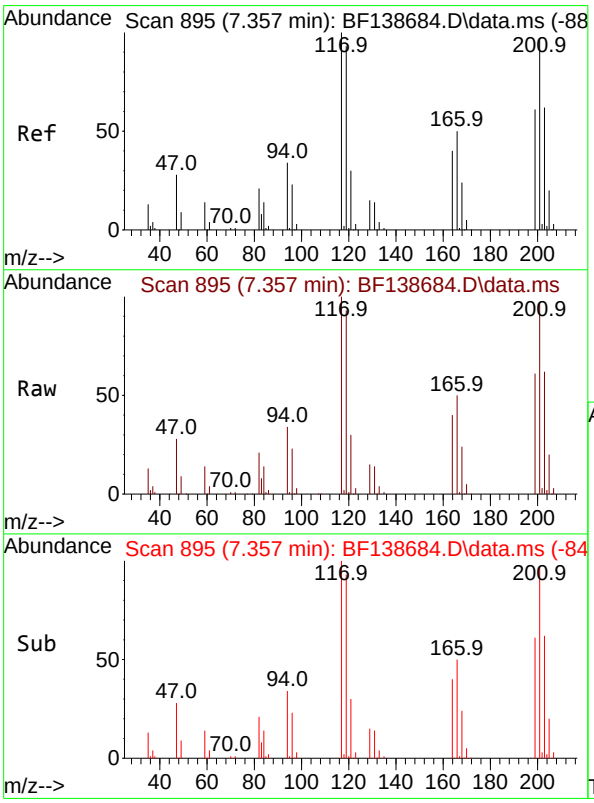
#17
2-Methylphenol
Concen: 39.204 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 160028

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.2	133.8
77	53.7	43.0	64.4
79	52.7	42.2	63.2

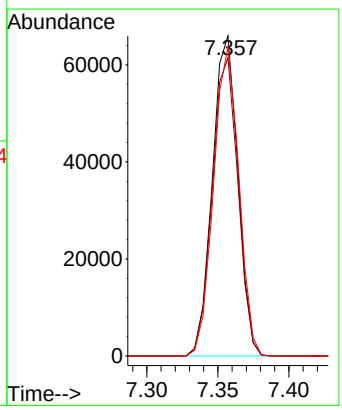


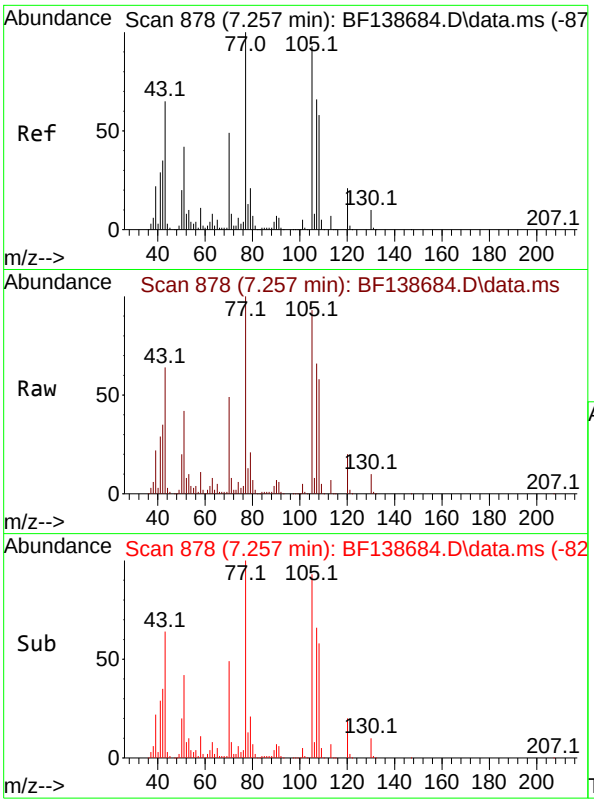


#18
Hexachloroethane
Concen: 39.176 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:117 Resp: 82349

Ion	Ratio	Lower	Upper
117	100		
119	93.2	74.6	111.8
201	96.5	77.2	115.8



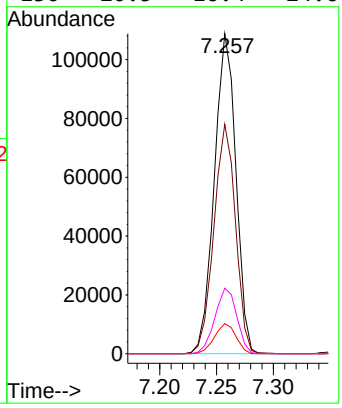


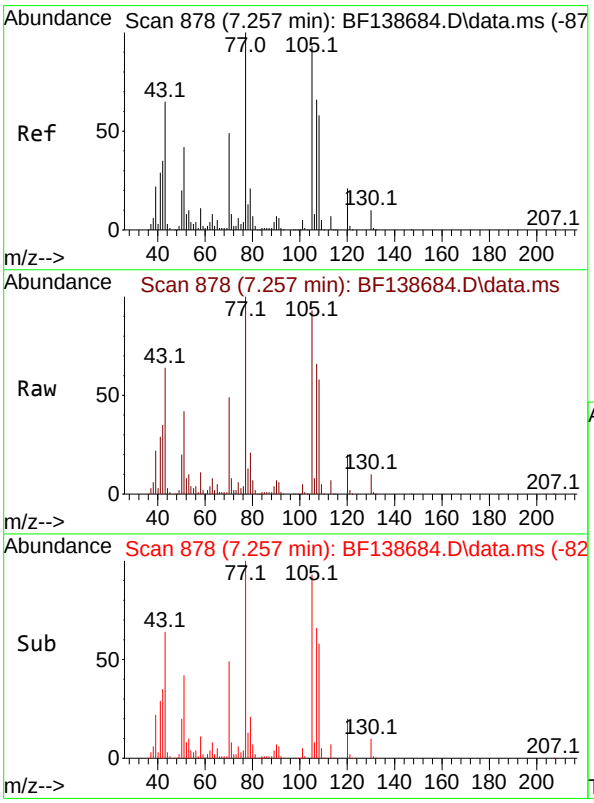
#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 143913

Ion	Ratio	Lower	Upper
70	100		
42	71.7	57.4	86.0
101	9.4	7.5	11.3
130	20.5	16.4	24.6

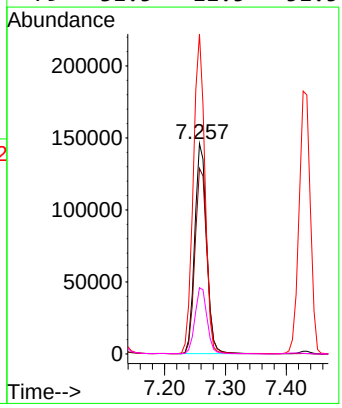


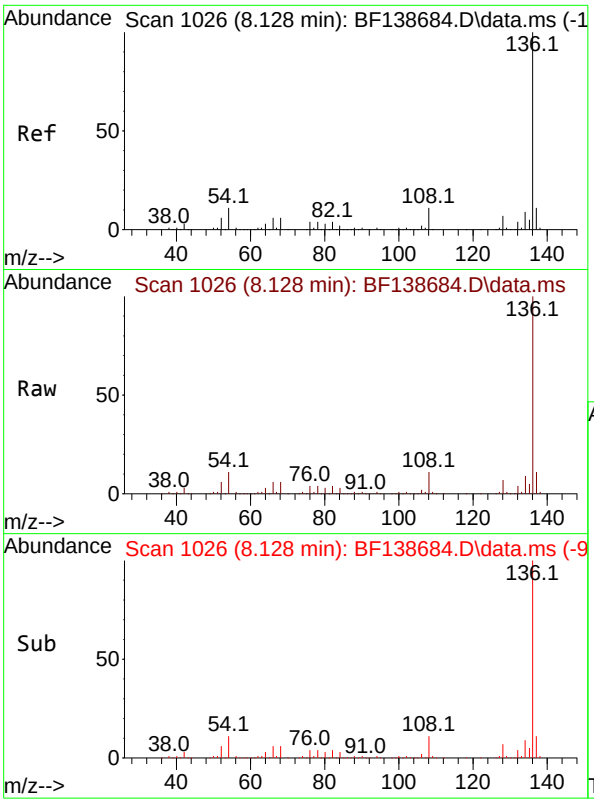


#20
3+4-Methylphenols
Concen: 37.862 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:107 Resp: 198296

Ion	Ratio	Lower	Upper
107	100		
108	88.2	68.2	108.2
77	152.1	132.1	172.1
79	31.5	11.5	51.5



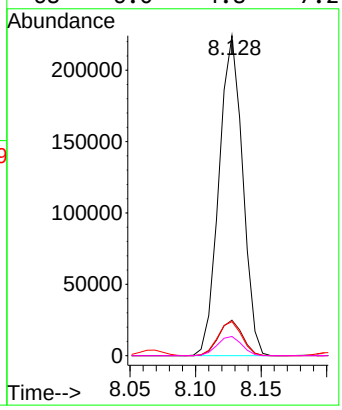


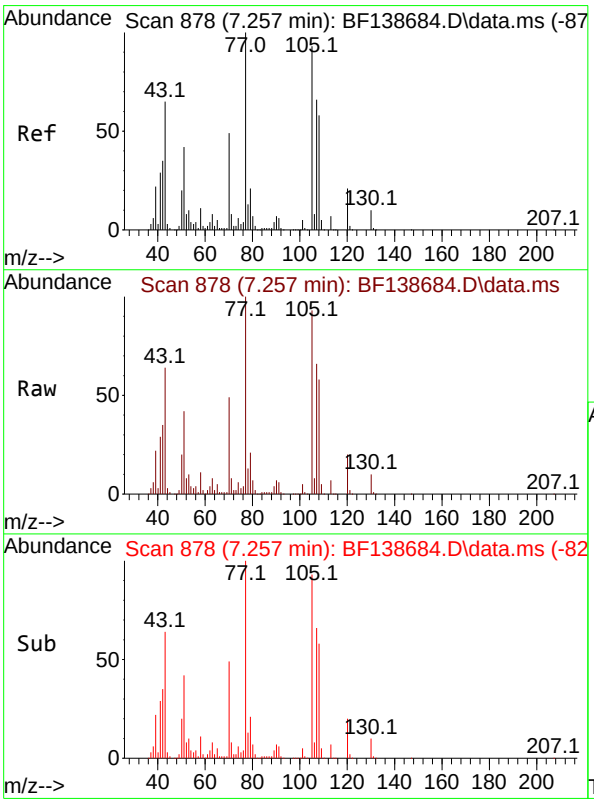
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 281315

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.7	8.6	12.8
68	6.0	4.8	7.2

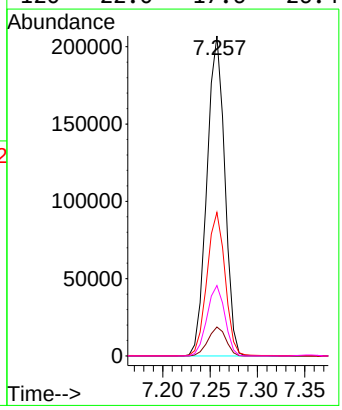


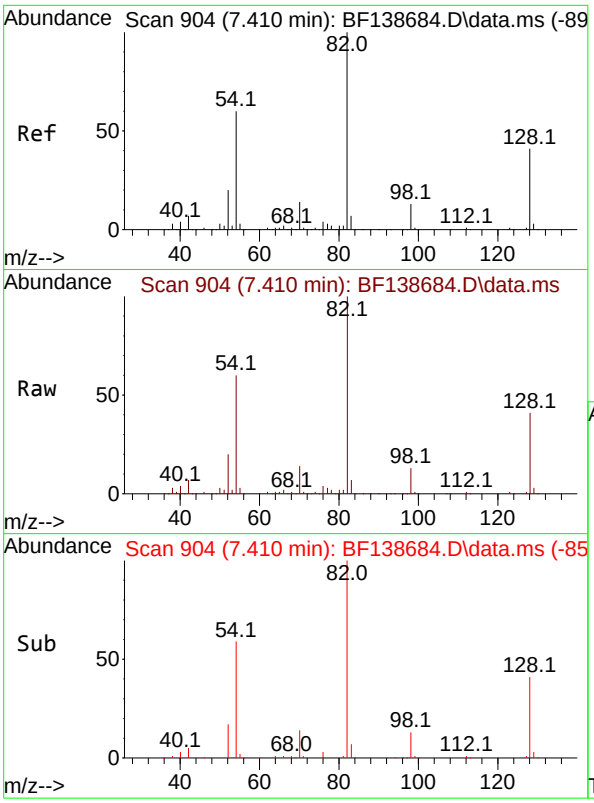


#22
Acetophenone
Concen: 39.378 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:105 Resp: 271238

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	44.9	35.9	53.9
120	22.0	17.6	26.4



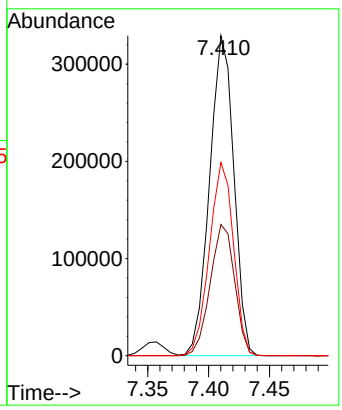


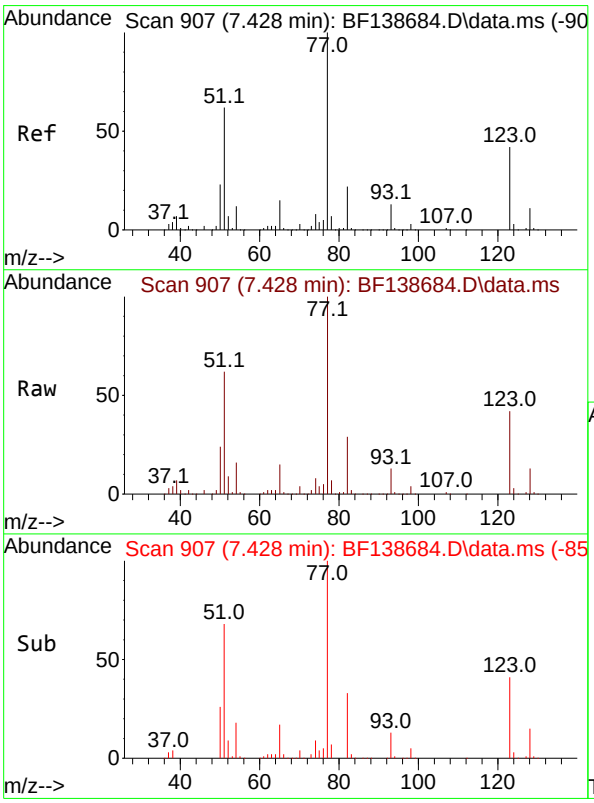
#23
Nitrobenzene-d5
Concen: 79.539 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 457661

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	60.4	48.3	72.5

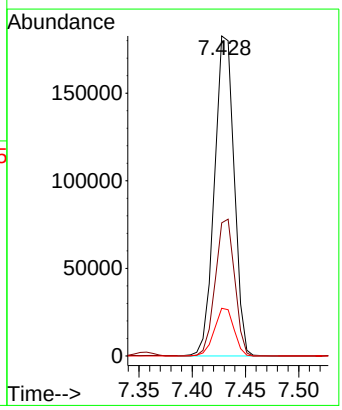


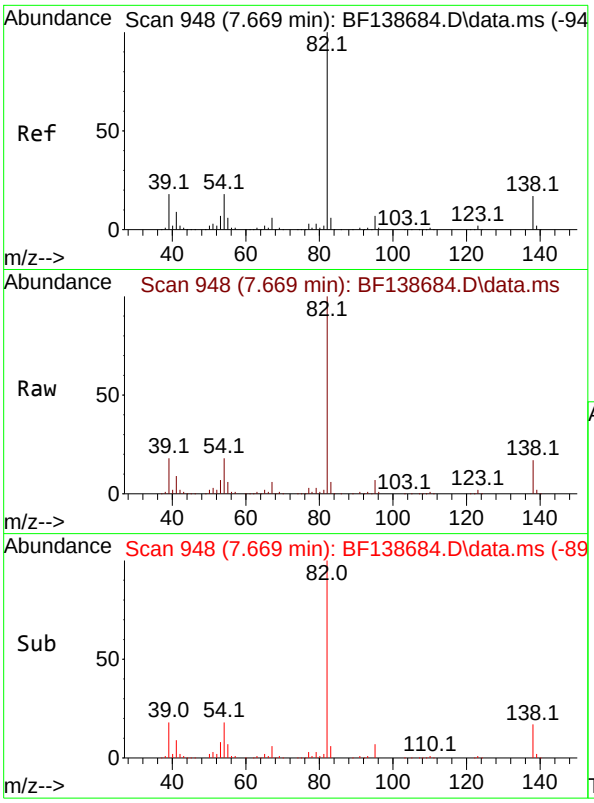


#24
Nitrobenzene
Concen: 40.040 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 77 Resp: 234435

Ion	Ratio	Lower	Upper
77	100		
123	41.6	33.3	49.9
65	14.9	11.9	17.9



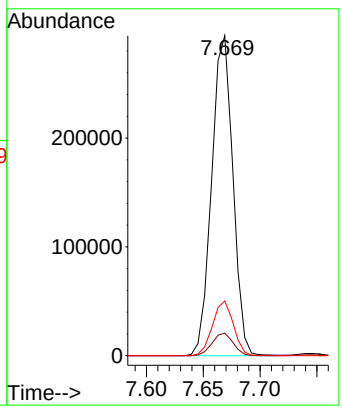


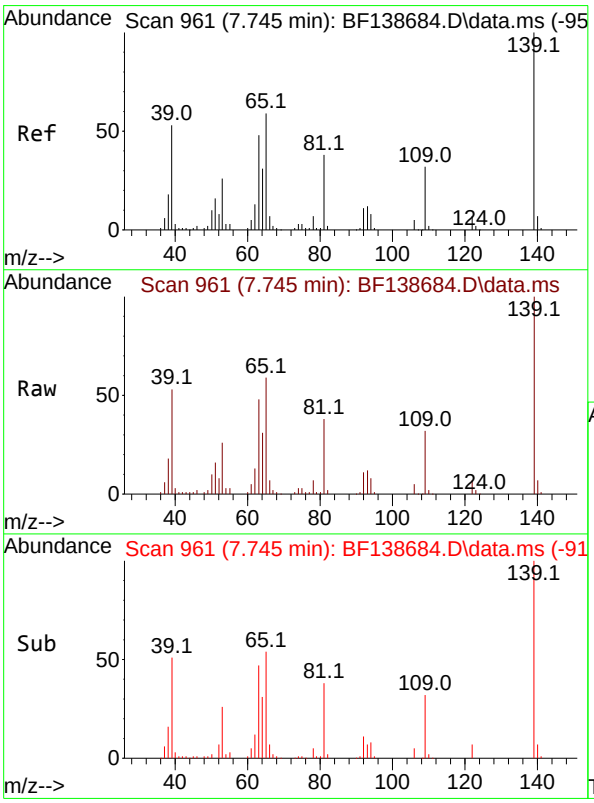
#25
Isophorone
Concen: 38.969 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 382875

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	17.1	13.7	20.5

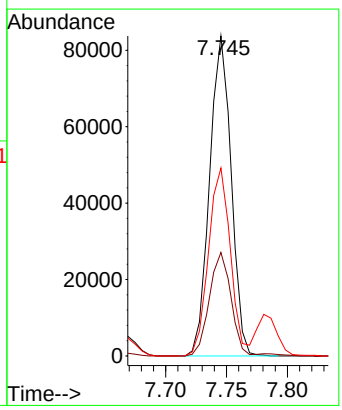


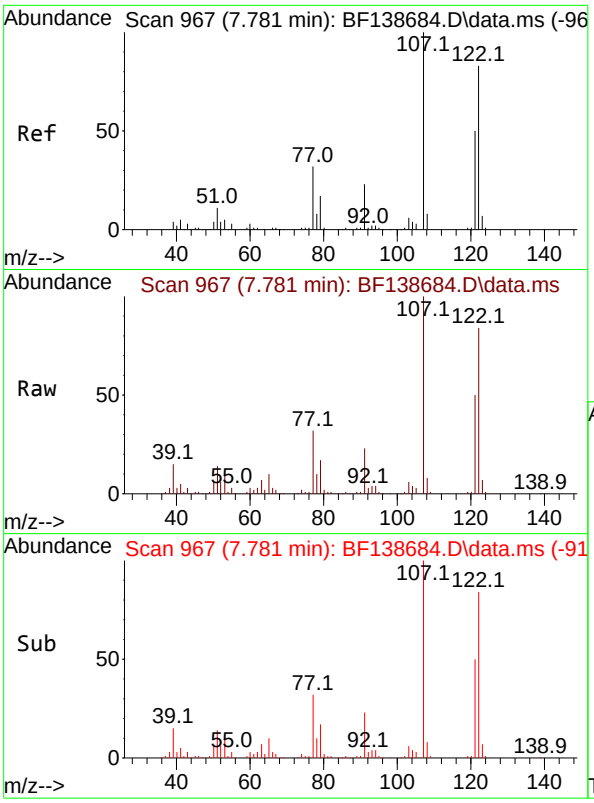


#26
2-Nitrophenol
Concen: 40.990 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:139 Resp: 103255

Ion	Ratio	Lower	Upper
139	100		
109	32.4	25.9	38.9
65	58.8	47.0	70.6



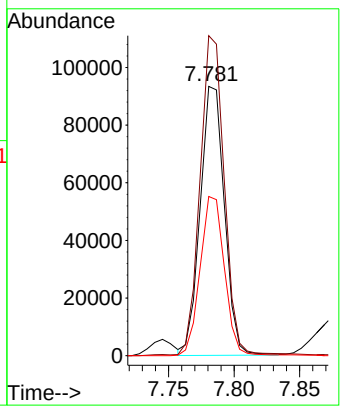


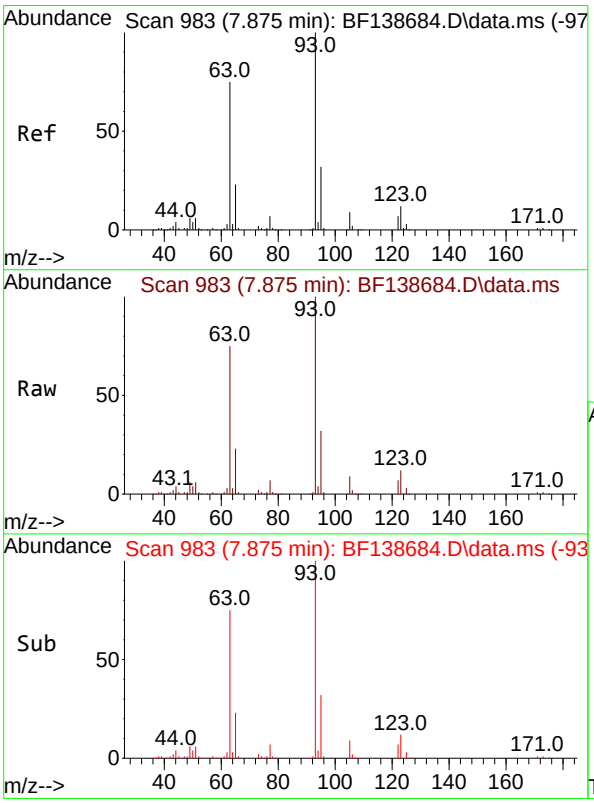
#27
2,4-Dimethylphenol
Concen: 39.890 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 120225

Ion	Ratio	Lower	Upper
122	100		
107	118.8	95.0	142.6
121	59.1	47.3	70.9

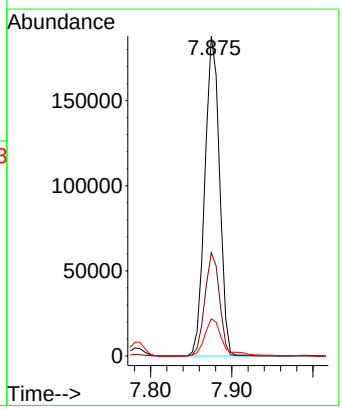


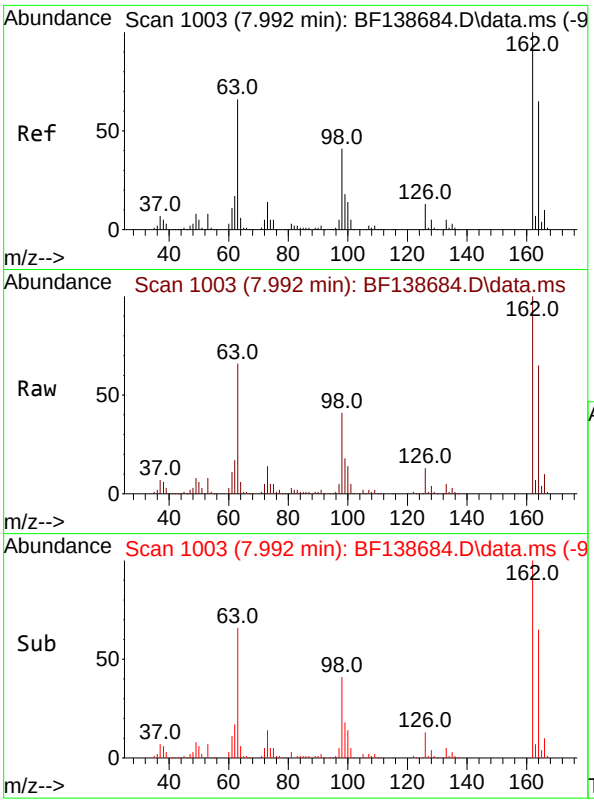


#28
bis(2-Chloroethoxy)methane
Concen: 39.348 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 93 Resp: 235424

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.7	9.4	14.0



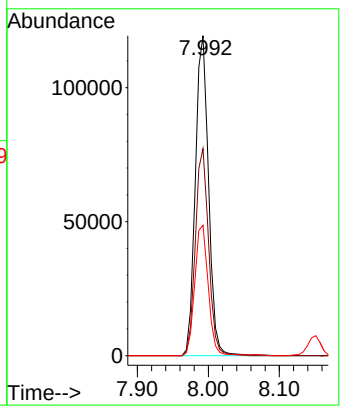


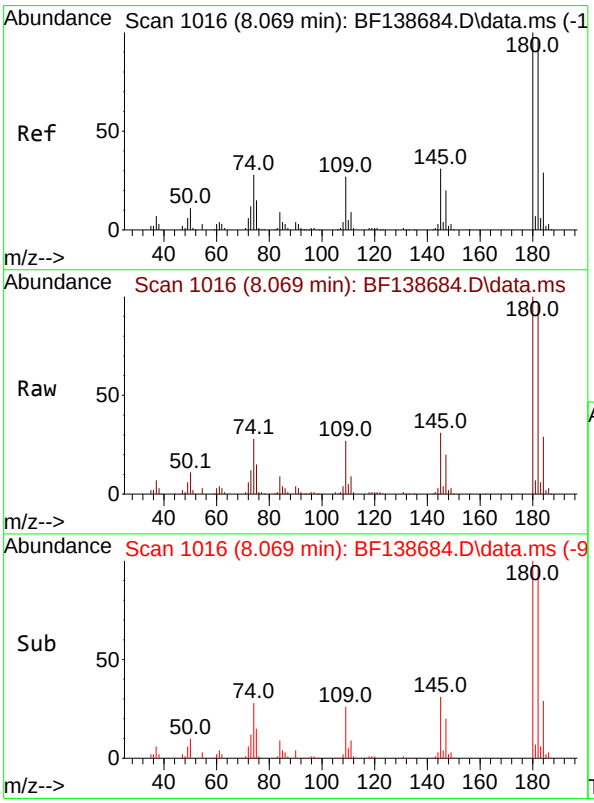
#29
2,4-Dichlorophenol
Concen: 40.030 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 155028

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.7	84.7
98	40.8	20.8	60.8

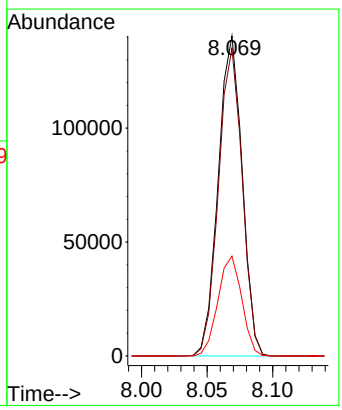


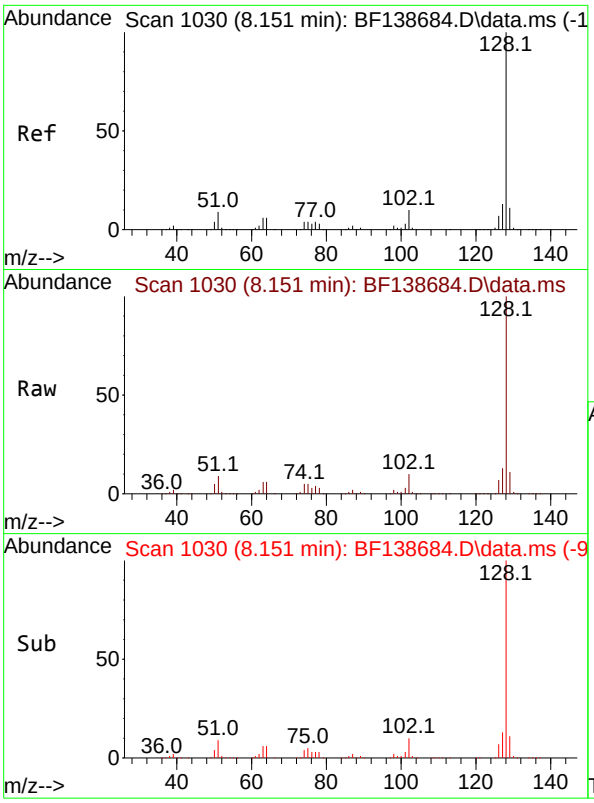


#30
1,2,4-Trichlorobenzene
Concen: 39.835 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:180 Resp: 178035

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	31.2	25.0	37.4



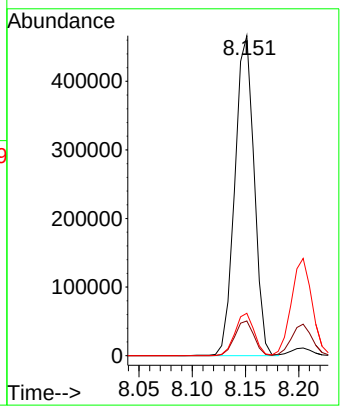


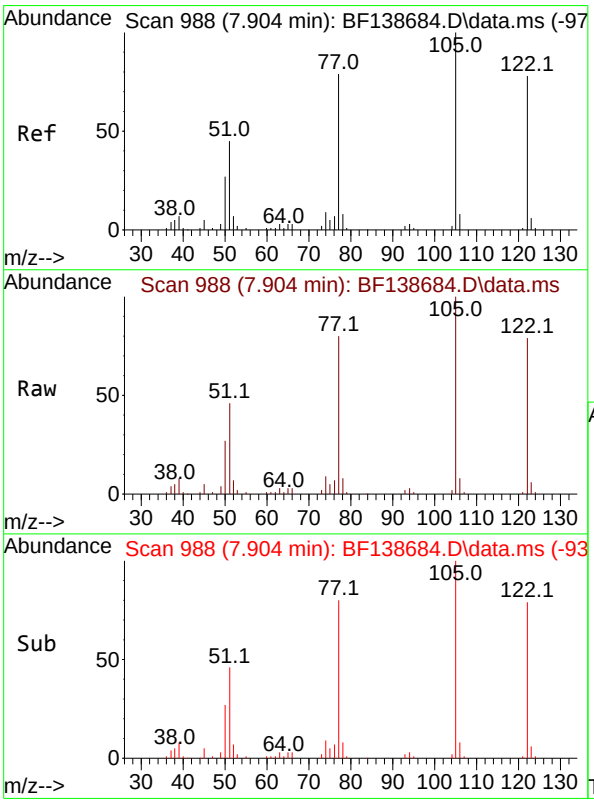
#31
Naphthalene
Concen: 39.655 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 587199

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.6	16.0

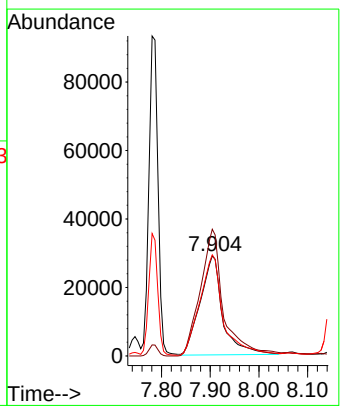


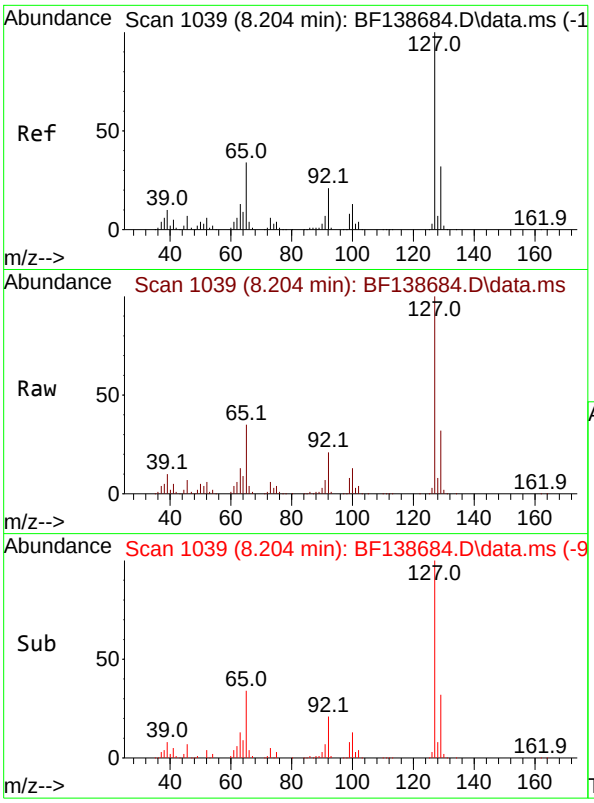


#32
Benzoic acid
Concen: 39.389 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:122 Resp: 93278

Ion	Ratio	Lower	Upper
122	100		
105	126.7	106.7	146.7
77	101.1	81.1	121.1



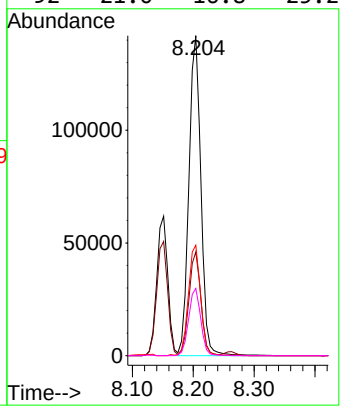


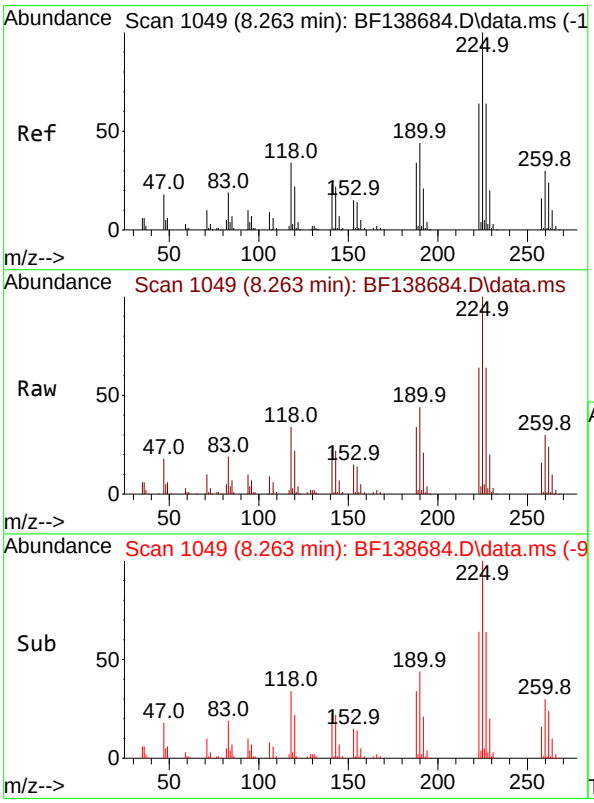
#33
4-Chloroaniline
Concen: 39.130 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 194499

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	34.5	27.6	41.4
92	21.0	16.8	25.2

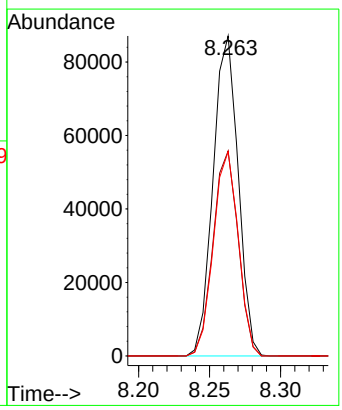


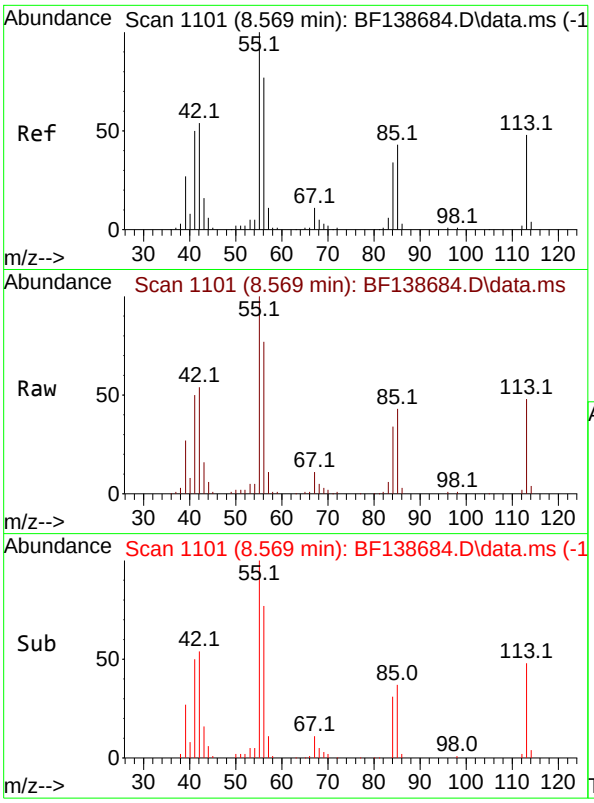


#34
Hexachlorobutadiene
Concen: 39.476 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:225 Resp: 106863

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.2	76.8
227	63.9	51.1	76.7



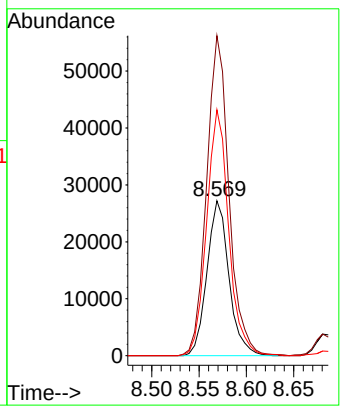


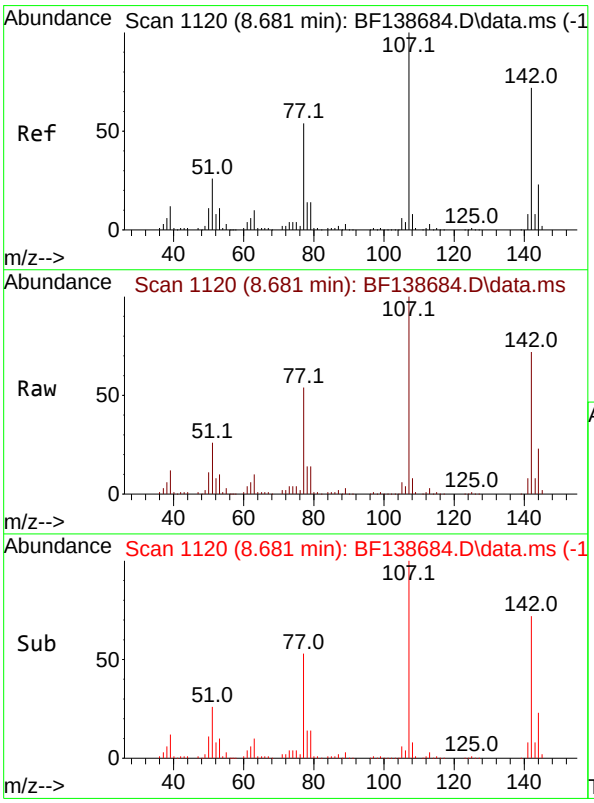
#35
Caprolactam
Concen: 37.984 ng
RT: 8.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 43894

Ion	Ratio	Lower	Upper
113	100		
55	206.7	186.7	226.7
56	158.9	138.9	178.9

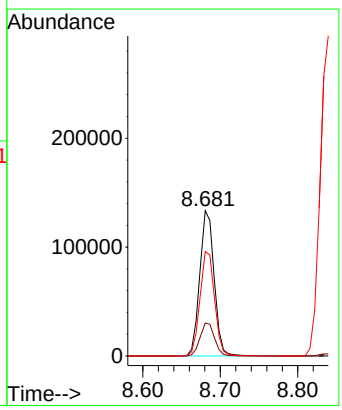


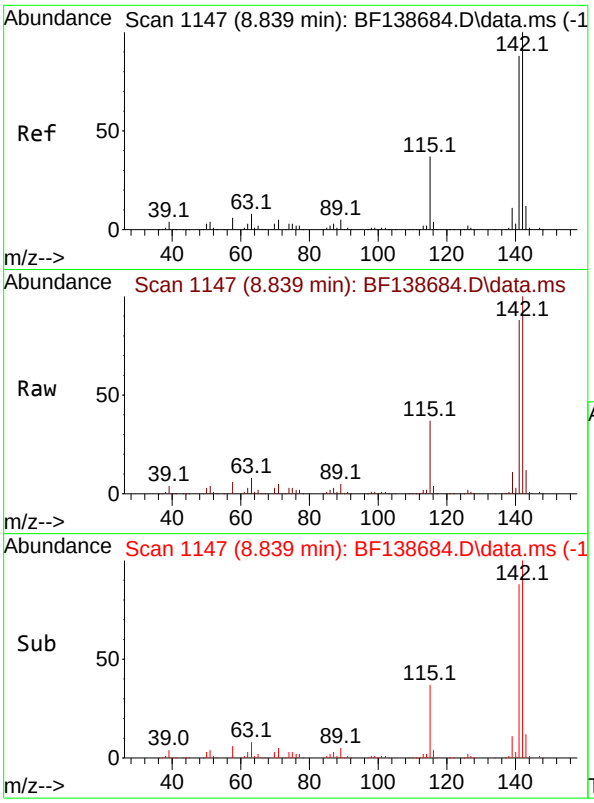


#36
4-Chloro-3-methylphenol
Concen: 38.983 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:107 Resp: 172540

Ion	Ratio	Lower	Upper
107	100		
144	22.7	18.2	27.2
142	71.8	57.4	86.2



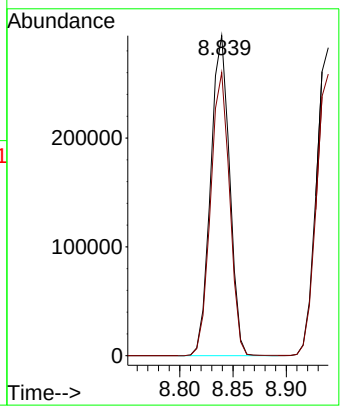


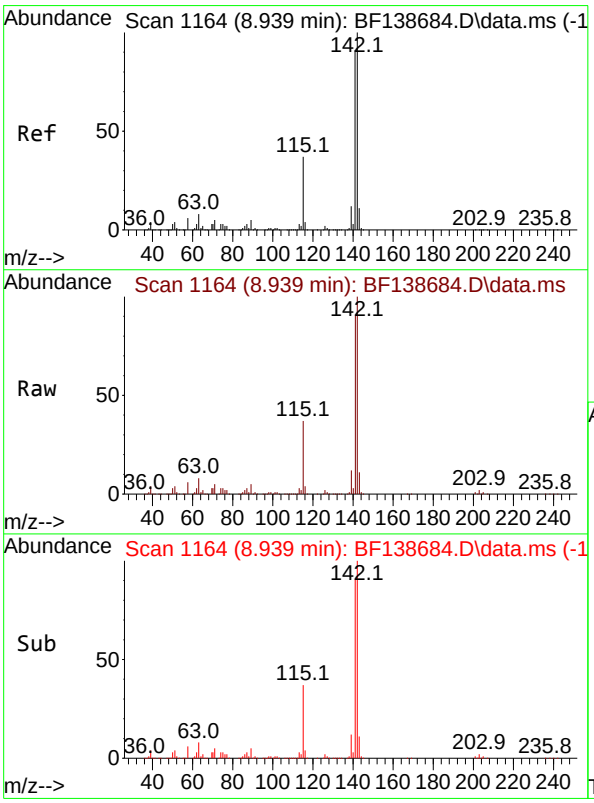
#37
2-Methylnaphthalene
Concen: 39.019 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 364899

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

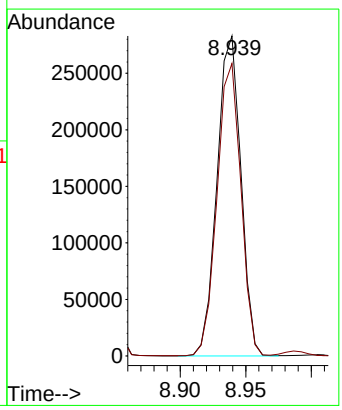


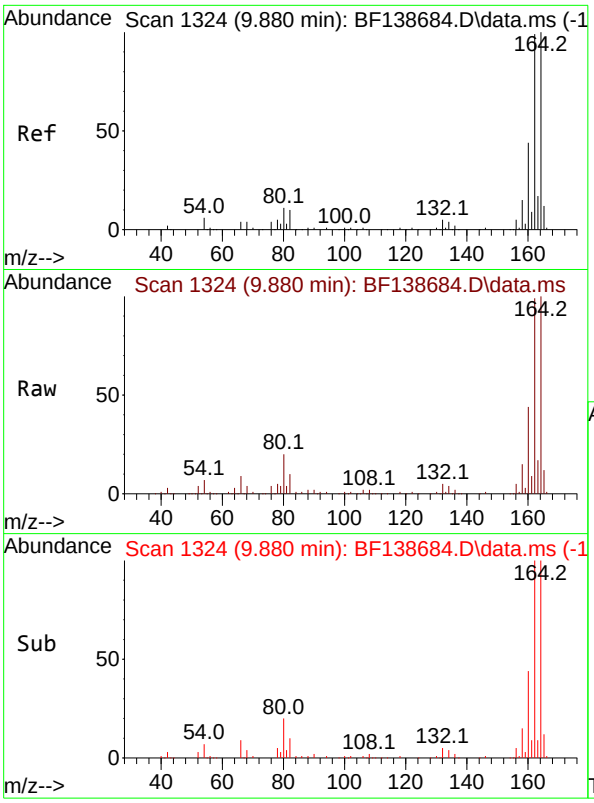


#38
1-Methylnaphthalene
Concen: 39.045 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:142 Resp: 357806

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7



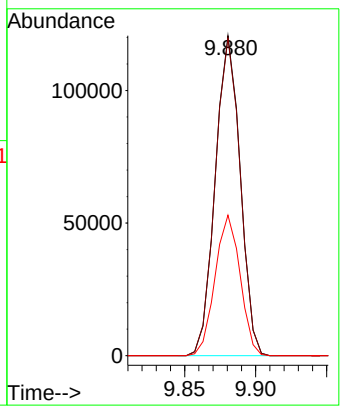


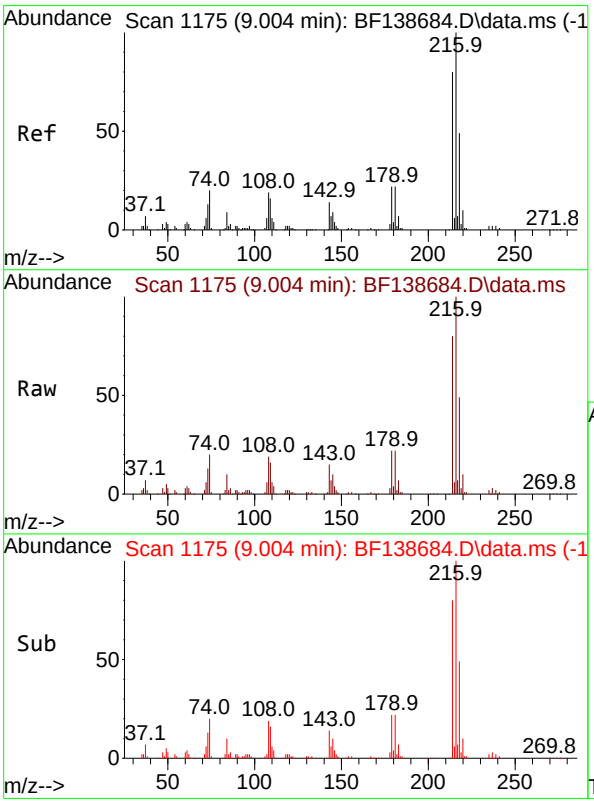
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 146962

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	43.9	35.1	52.7

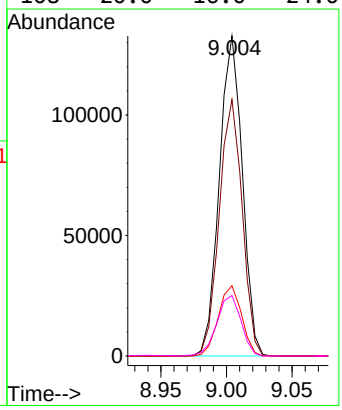


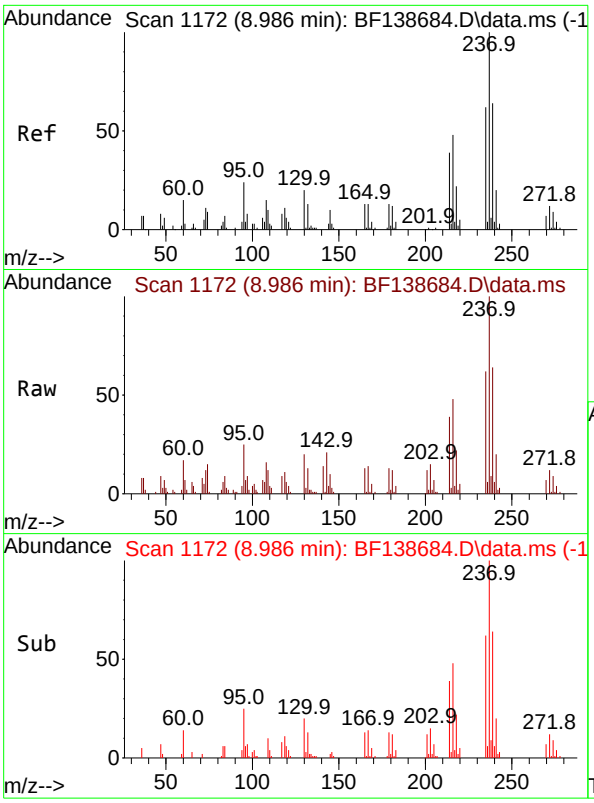


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.628 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:216 Resp: 161777

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.9	95.9
179	22.2	17.8	26.6
108	20.0	16.0	24.0



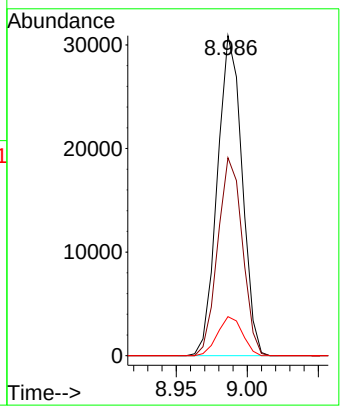


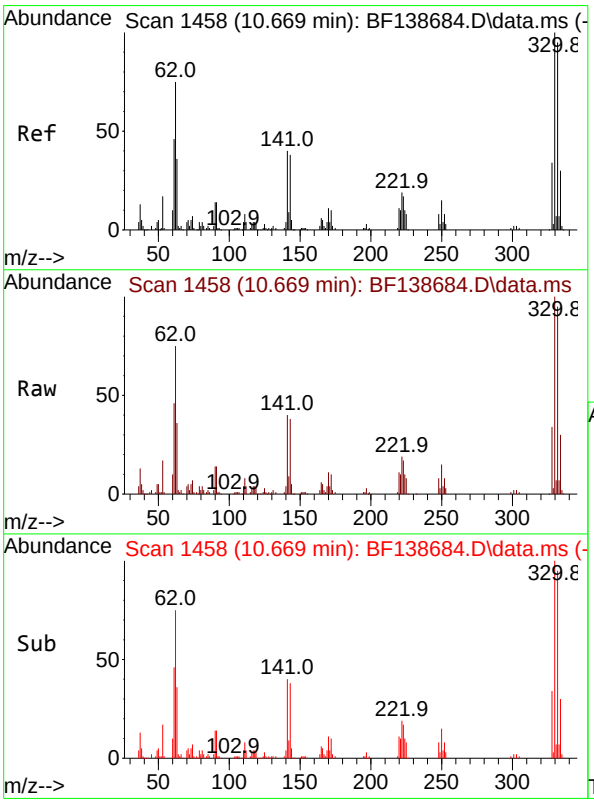
#41
Hexachlorocyclopentadiene
Concen: 38.484 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 37306

Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.8	81.8
272	12.2	0.0	32.2

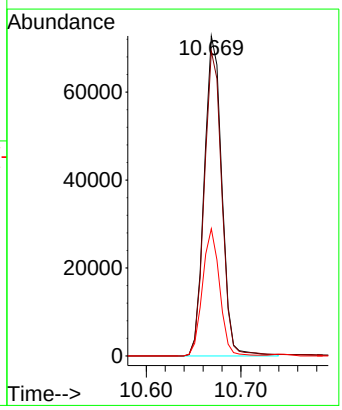


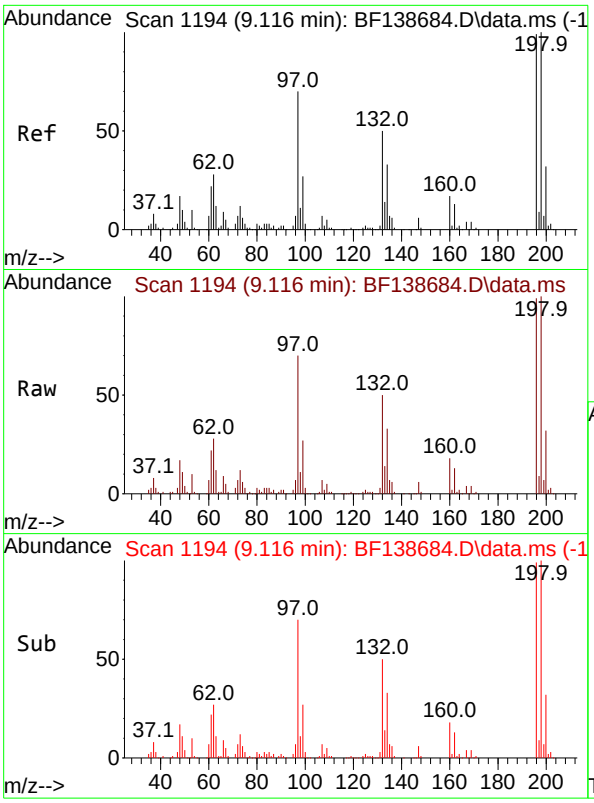


#42
2,4,6-Tribromophenol
Concen: 77.638 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:330 Resp: 93462

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.4	114.6
141	38.9	31.1	46.7



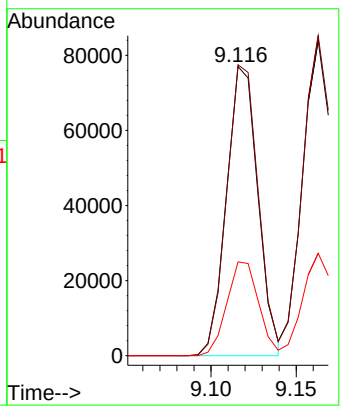


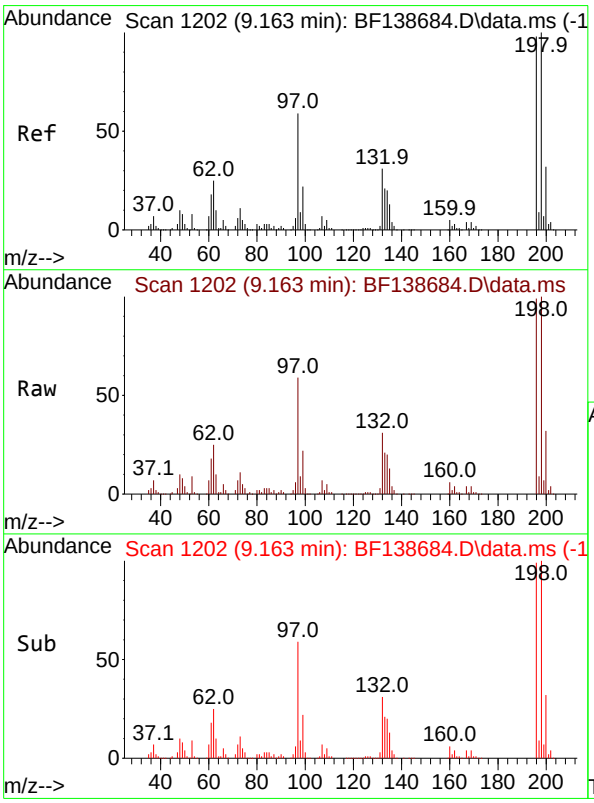
#43
2,4,6-Trichlorophenol
Concen: 39.709 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 98841

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
200	32.4	25.9	38.9

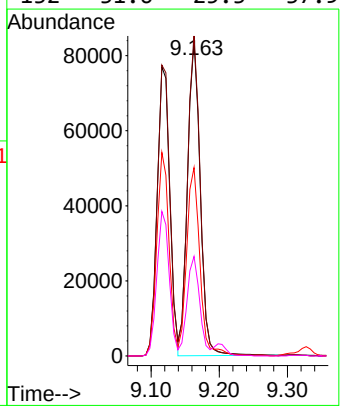


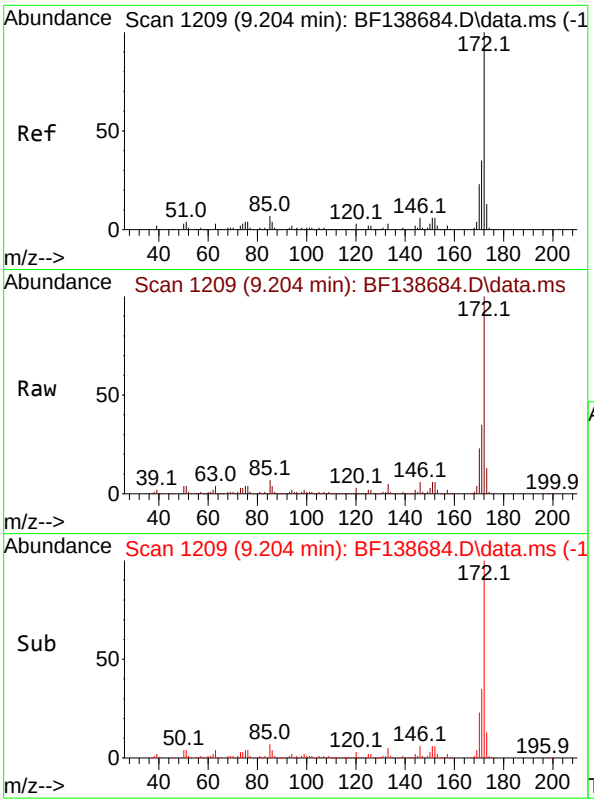


#44
2,4,5-Trichlorophenol
Concen: 39.788 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:196 Resp: 108268

Ion	Ratio	Lower	Upper
196	100		
198	101.5	81.2	121.8
97	59.7	47.8	71.6
132	31.6	25.3	37.9



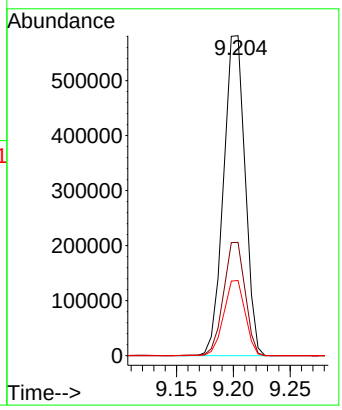


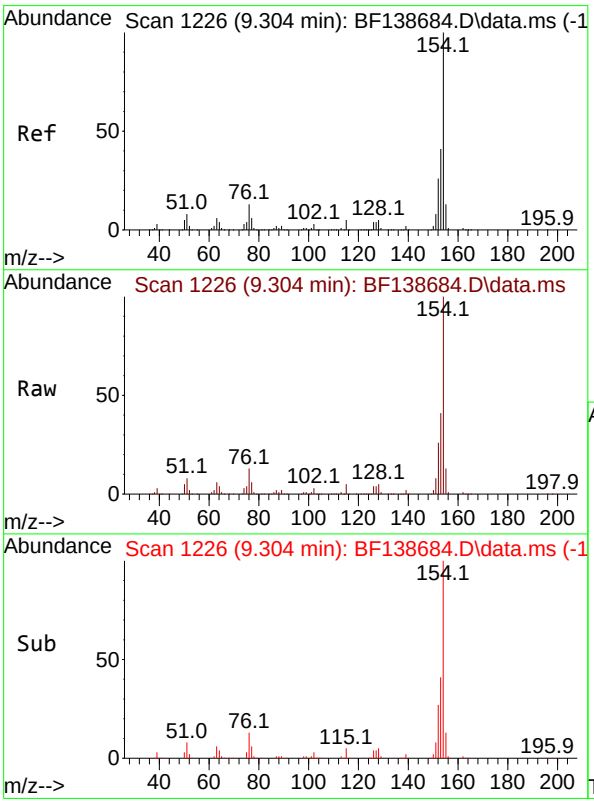
#45
2-Fluorobiphenyl
Concen: 78.480 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 767623

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.5	18.8	28.2

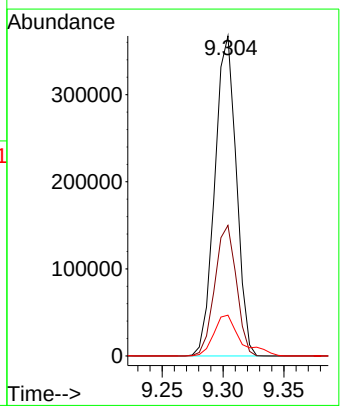


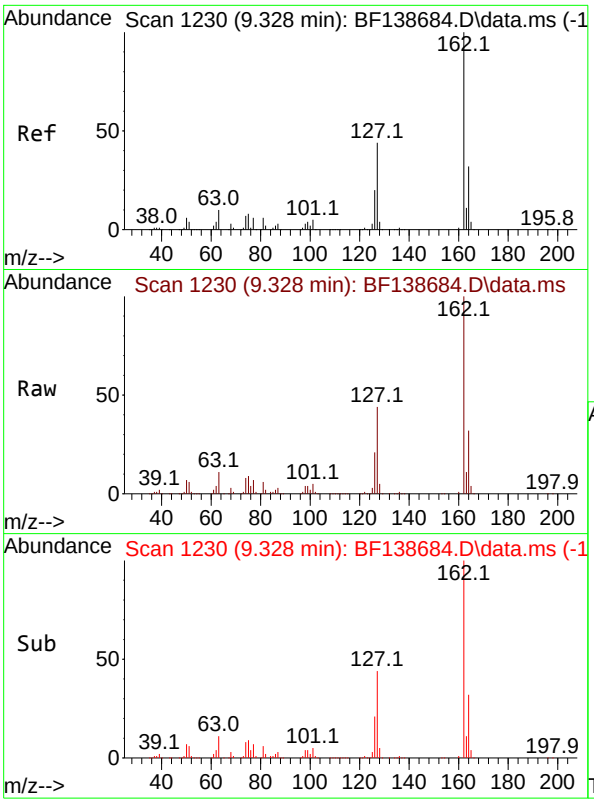


#46
1,1'-Biphenyl
Concen: 39.303 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:154 Resp: 452377

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	12.8	0.0	32.8



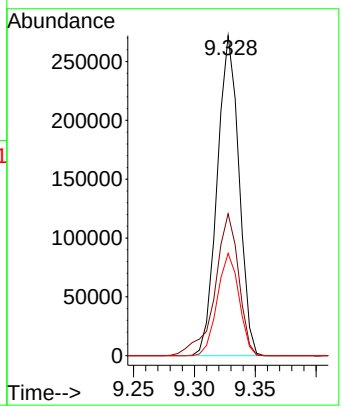


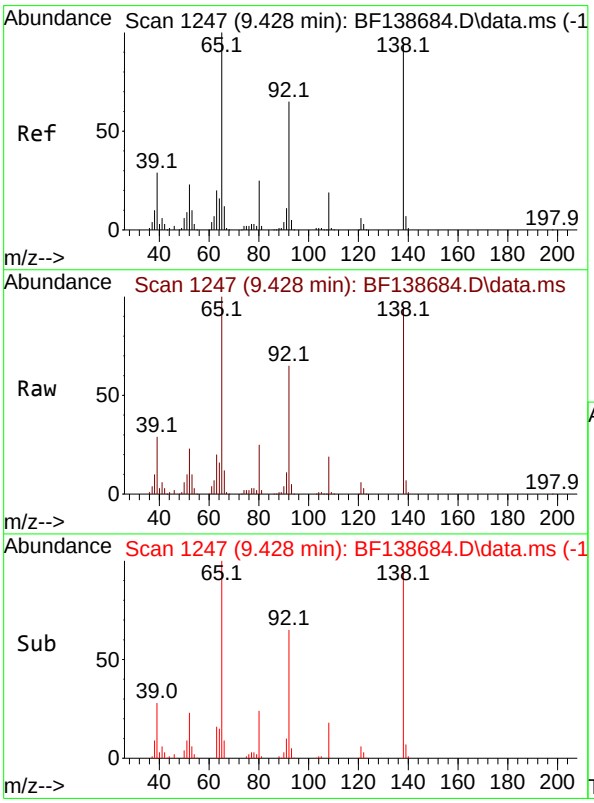
#47
2-Chloronaphthalene
Concen: 39.520 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 338303

Ion	Ratio	Lower	Upper
162	100		
127	44.3	35.4	53.2
164	32.0	25.6	38.4

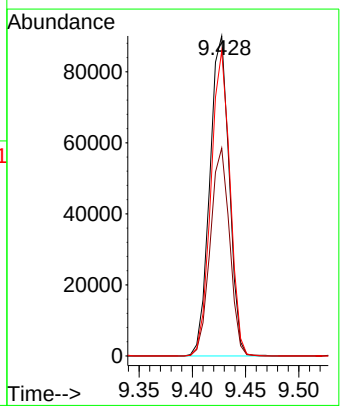


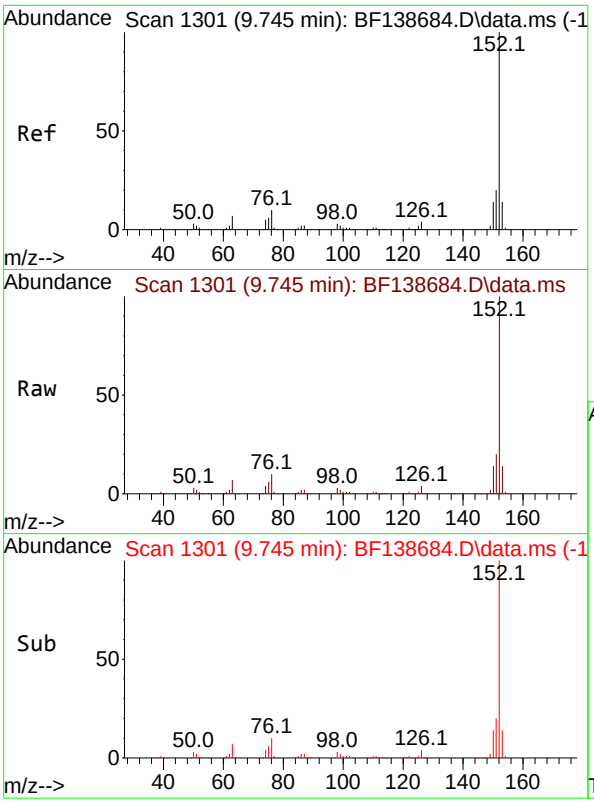


#48
2-Nitroaniline
Concen: 39.417 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion: 65 Resp: 114390

Ion	Ratio	Lower	Upper
65	100		
92	65.0	52.0	78.0
138	95.3	76.2	114.4



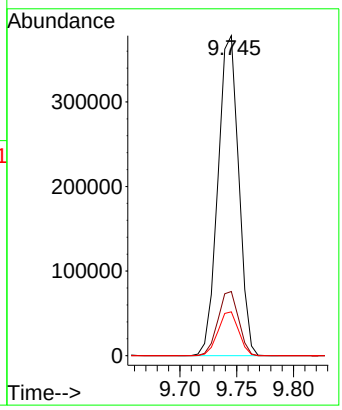


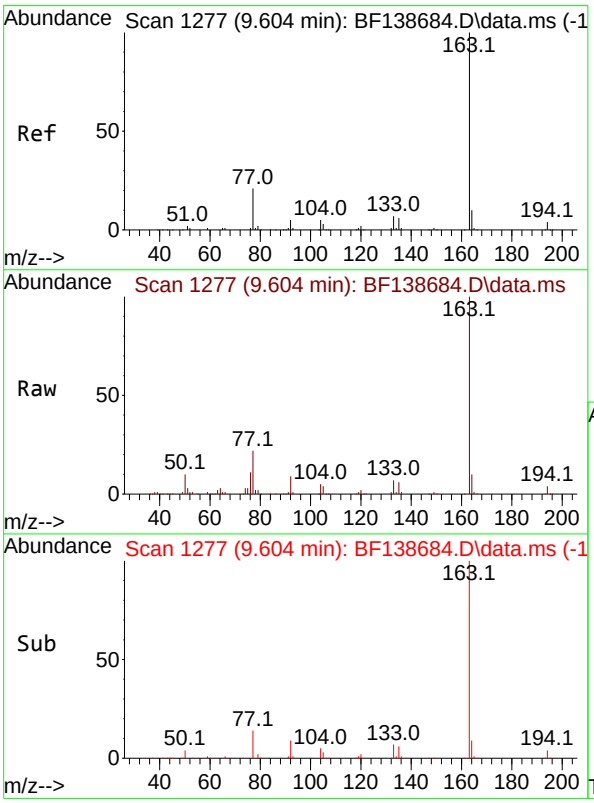
#49
Acenaphthylene
Concen: 39.633 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 481180

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.7	11.0	16.4

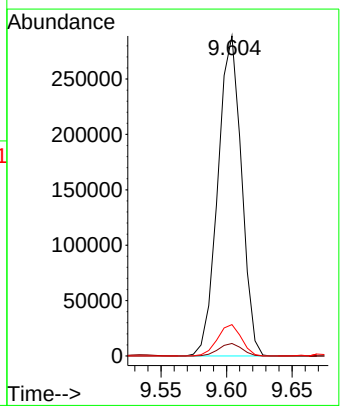


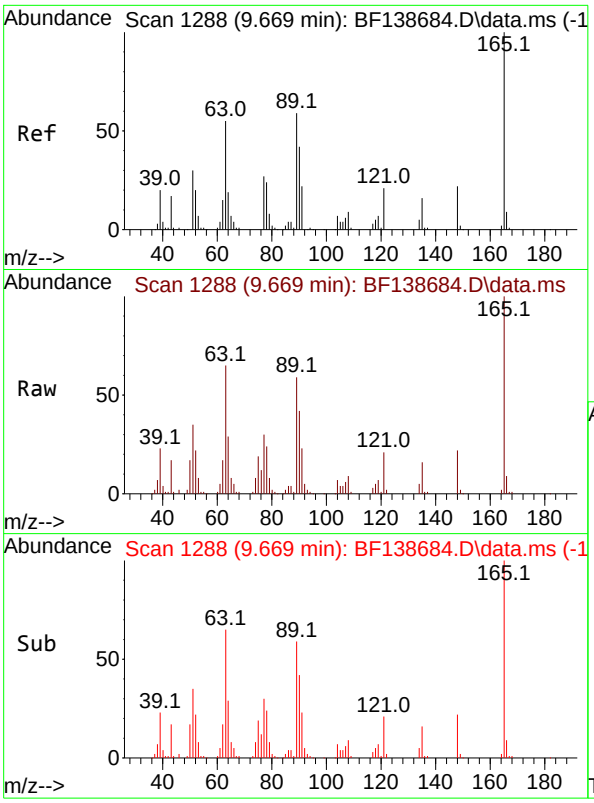


#50
Dimethylphthalate
Concen: 38.452 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:163 Resp: 361332

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.8	7.8	11.8



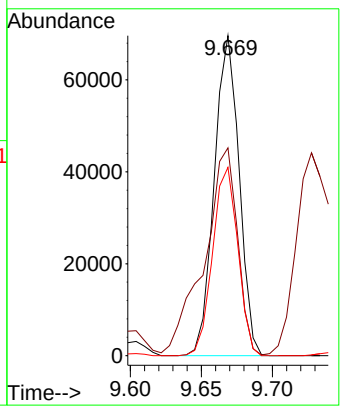


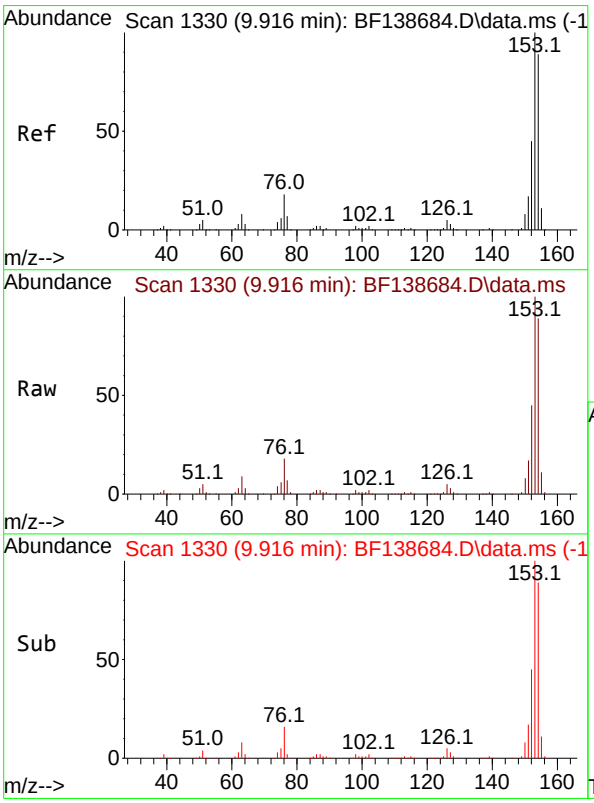
#51
2,6-Dinitrotoluene
Concen: 39.918 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 84654

Ion	Ratio	Lower	Upper
165	100		
63	65.0	52.0	78.0
89	58.8	47.0	70.6

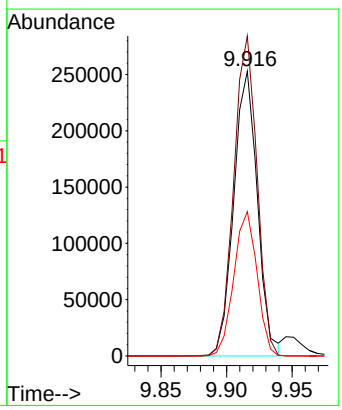


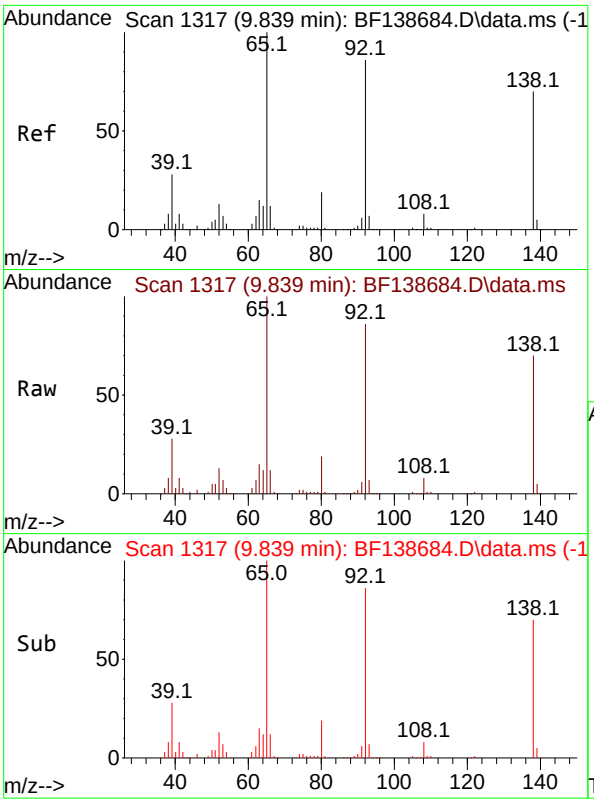


#52
Acenaphthene
Concen: 38.964 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:154 Resp: 318001

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.9	134.9
152	50.7	40.6	60.8



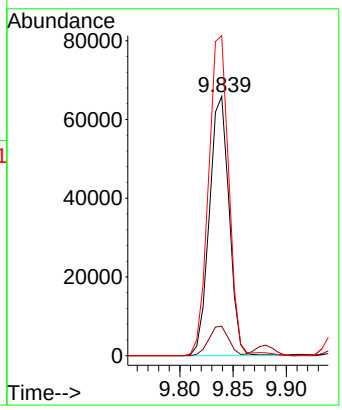


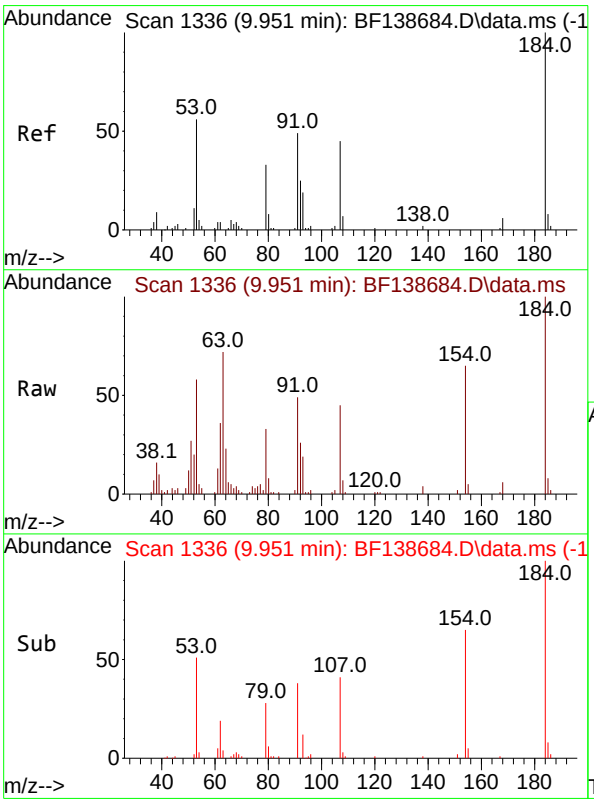
#53
3-Nitroaniline
Concen: 38.633 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 84697

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.1	13.7
92	123.4	98.7	148.1

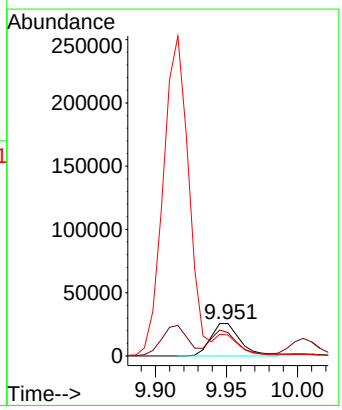


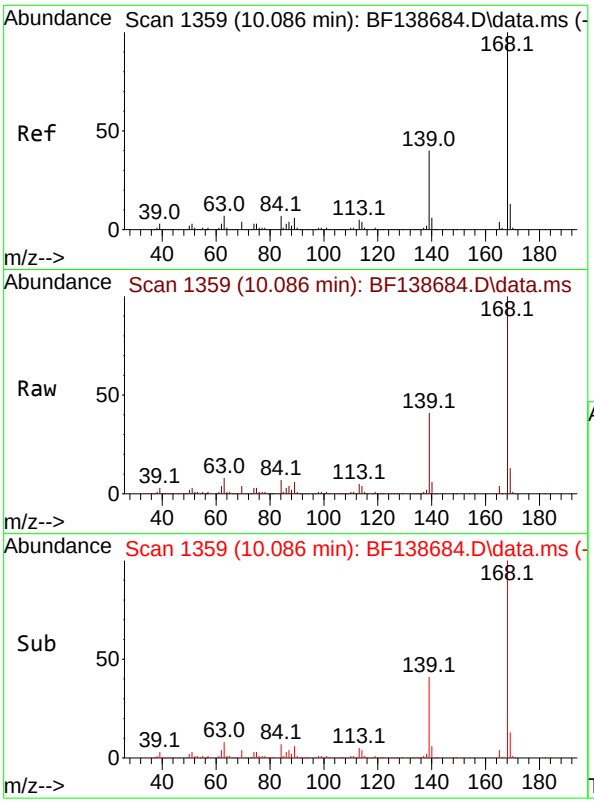


#54
2,4-Dinitrophenol
Concen: 38.289 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:184 Resp: 37379

Ion	Ratio	Lower	Upper
184	100		
63	71.9	57.5	86.3
154	64.6	51.7	77.5



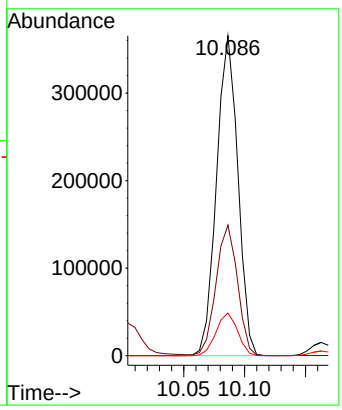


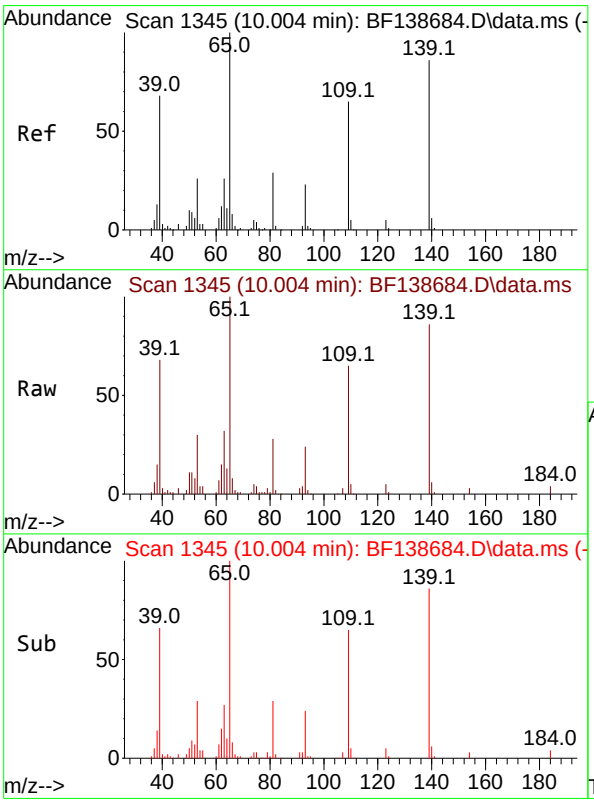
#55
Dibenzofuran
Concen: 38.648 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 445244

Ion	Ratio	Lower	Upper
168	100		
139	40.8	32.6	49.0
169	13.4	10.7	16.1

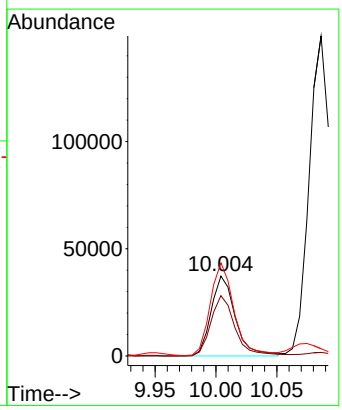


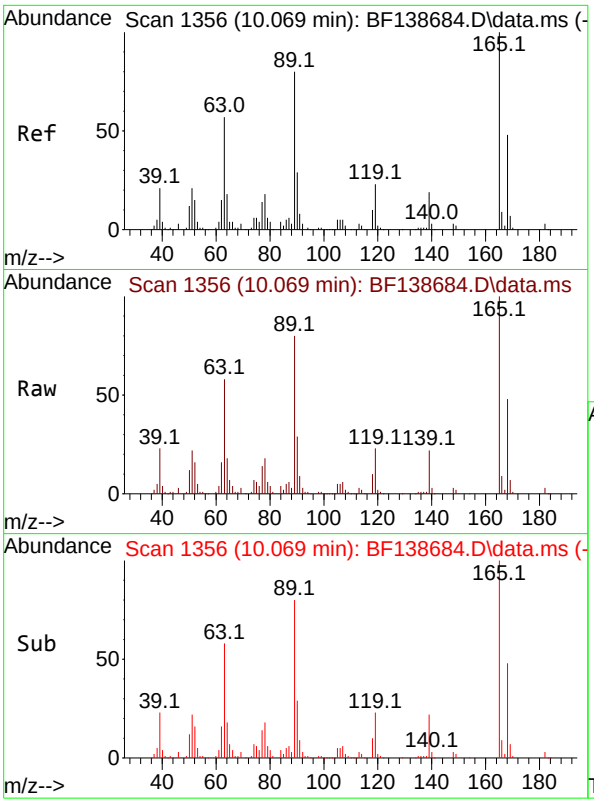


#56
4-Nitrophenol
Concen: 39.032 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:139 Resp: 51459

Ion	Ratio	Lower	Upper
139	100		
109	75.5	55.5	95.5
65	116.7	96.7	136.7



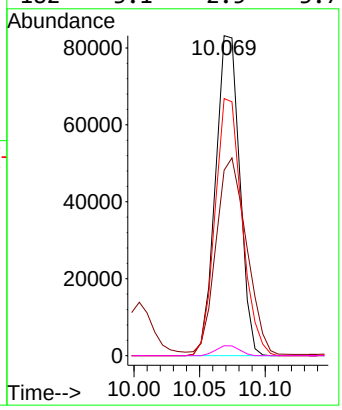


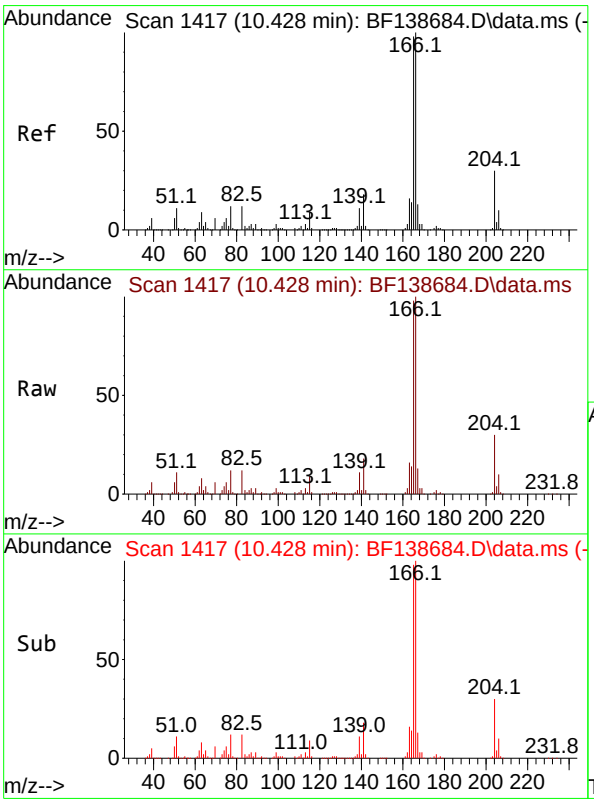
#57
2,4-Dinitrotoluene
Concen: 39.341 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 106444

Ion	Ratio	Lower	Upper
165	100		
63	57.9	46.3	69.5
89	80.3	64.2	96.4
182	3.1	2.5	3.7

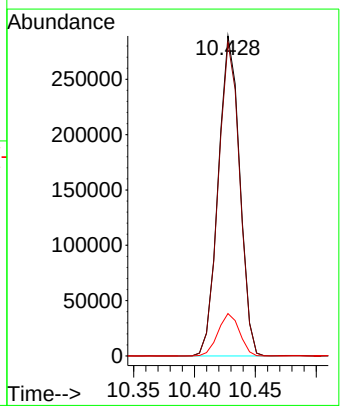


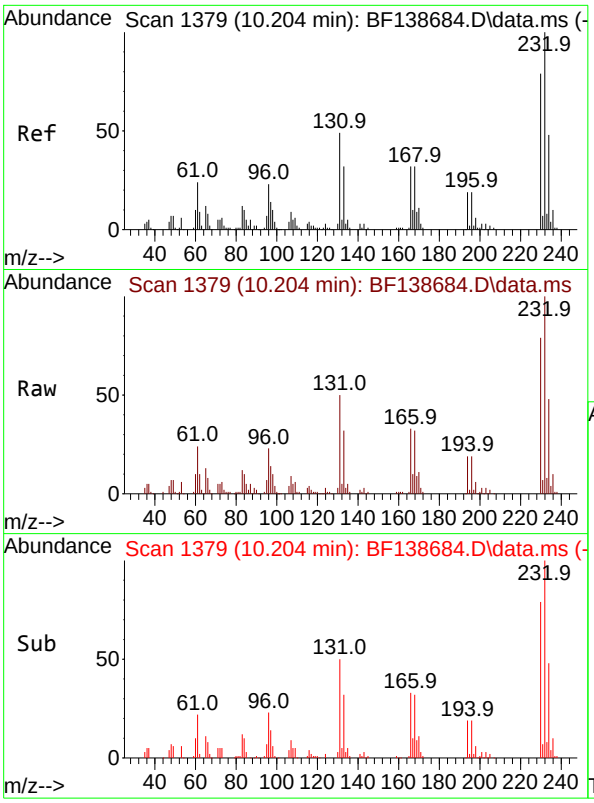


#58
Fluorene
Concen: 38.634 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:166 Resp: 354441

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.4	117.6
167	13.3	10.6	16.0



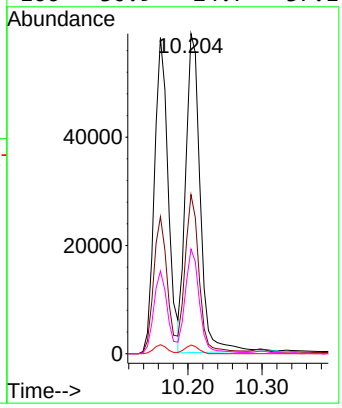


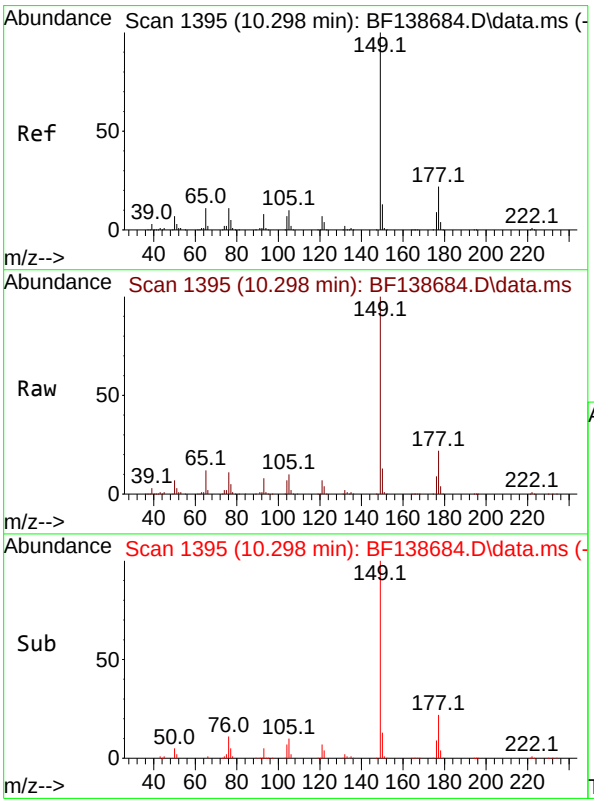
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.673 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 80452

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.0	55.4
130	2.5	2.0	3.0
166	30.9	24.7	37.1

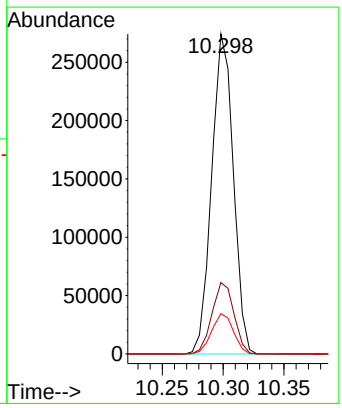


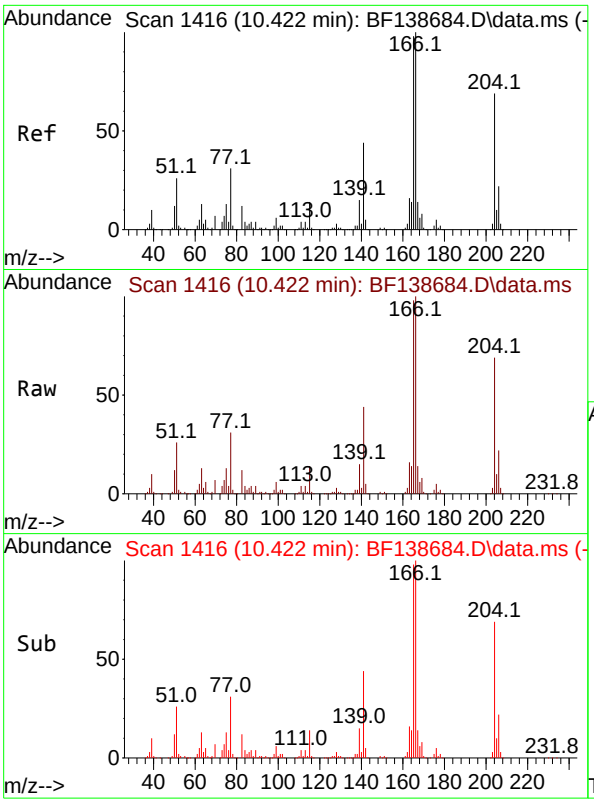


#60
Diethylphthalate
Concen: 38.114 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:149 Resp: 339596

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.6	10.1	15.1



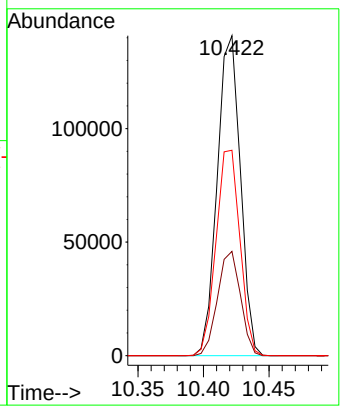


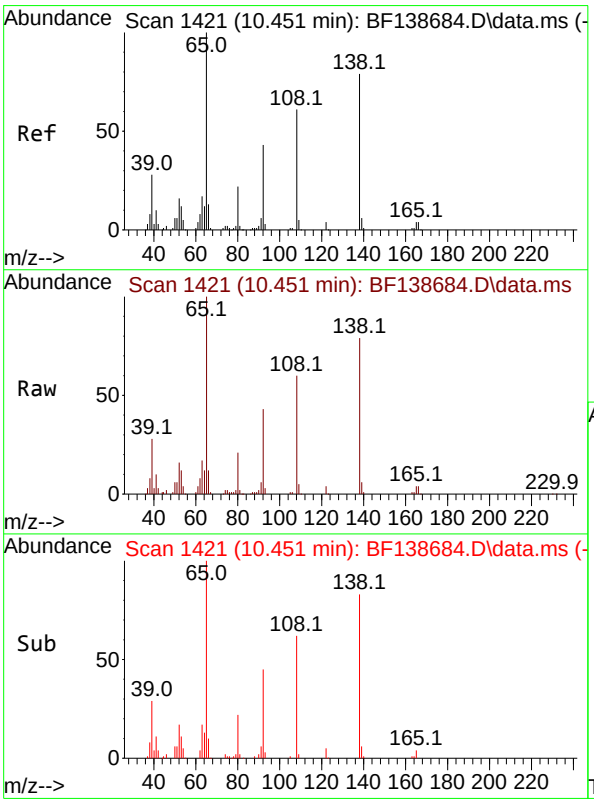
#61
4-Chlorophenyl-phenylether
Concen: 38.346 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 173020

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.1	39.1
141	64.2	51.4	77.0

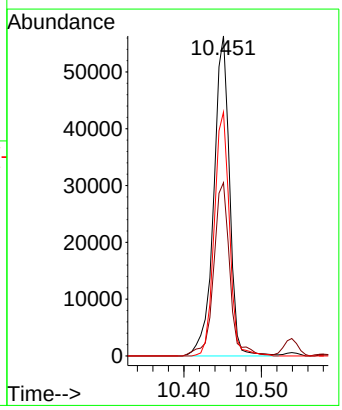


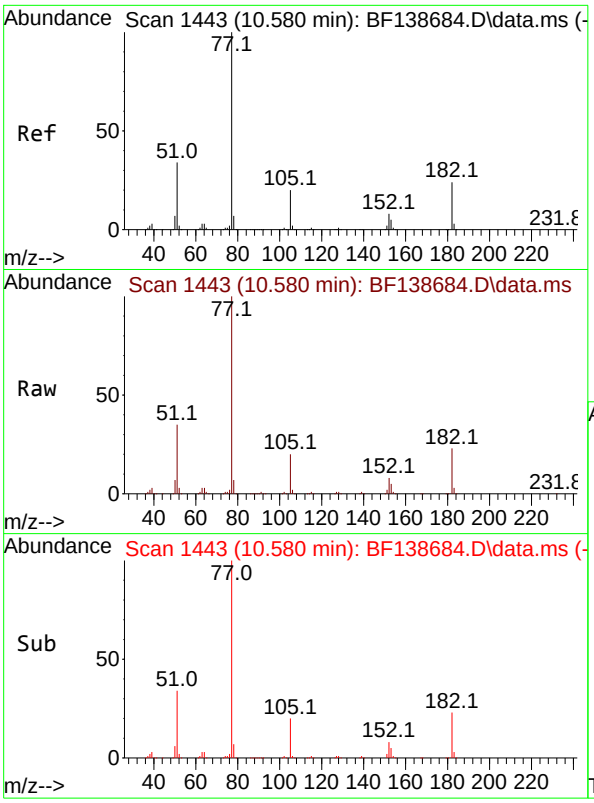


#62
4-Nitroaniline
Concen: 38.360 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:138 Resp: 79919

Ion	Ratio	Lower	Upper
138	100		
92	54.2	34.2	74.2
108	76.2	56.2	96.2



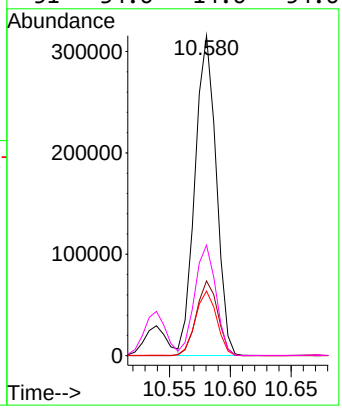


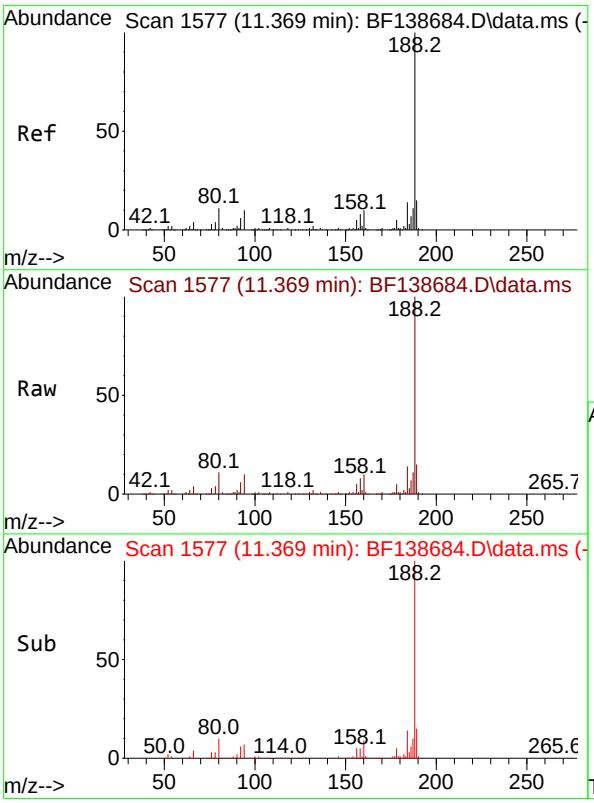
#63
Azobenzene
Concen: 38.662 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 382056

Ion	Ratio	Lower	Upper
77	100		
182	23.4	3.4	43.4
105	20.2	0.2	40.2
51	34.6	14.6	54.6

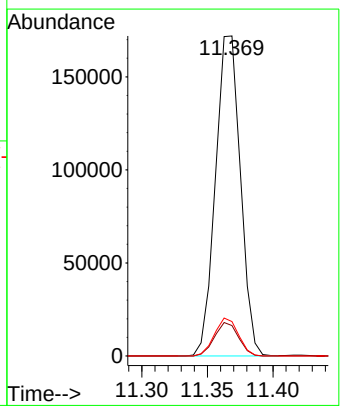


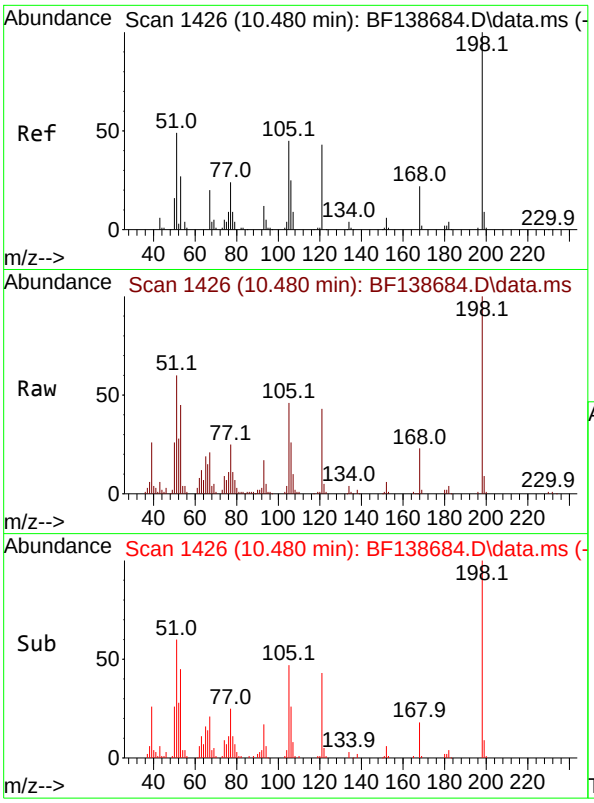


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:188 Resp: 227513

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.6	11.4
80	10.7	8.6	12.8



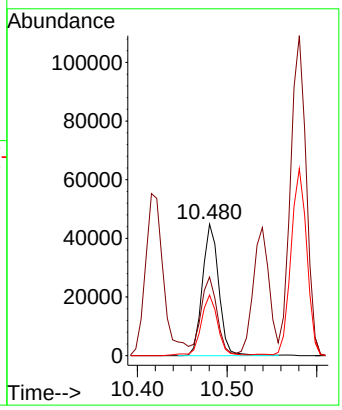


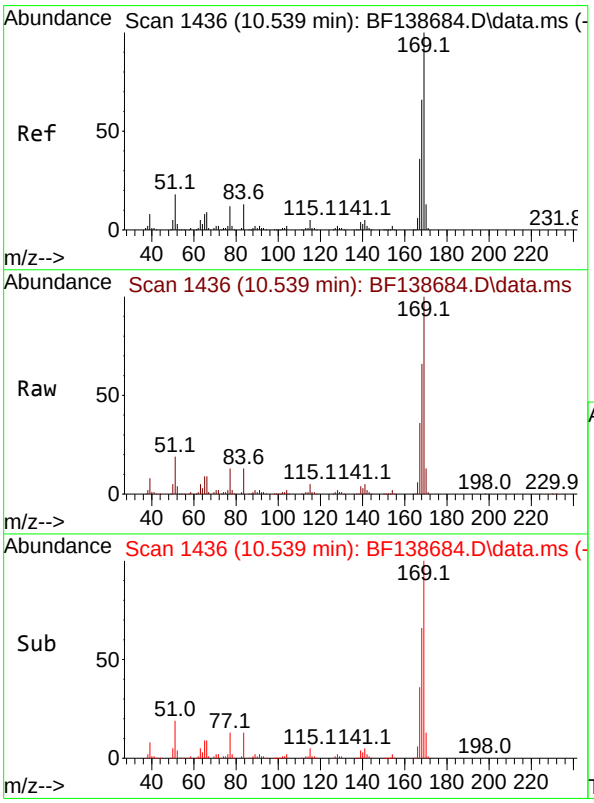
#65
4,6-Dinitro-2-methylphenol
Concen: 40.852 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 56704

Ion	Ratio	Lower	Upper
198	100		
51	59.9	39.9	79.9
105	46.1	26.1	66.1

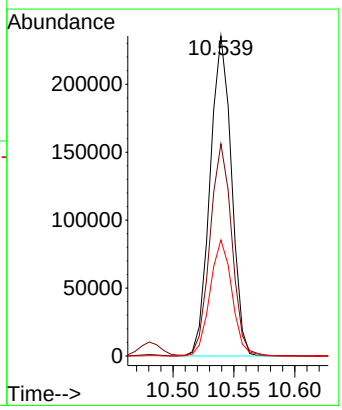


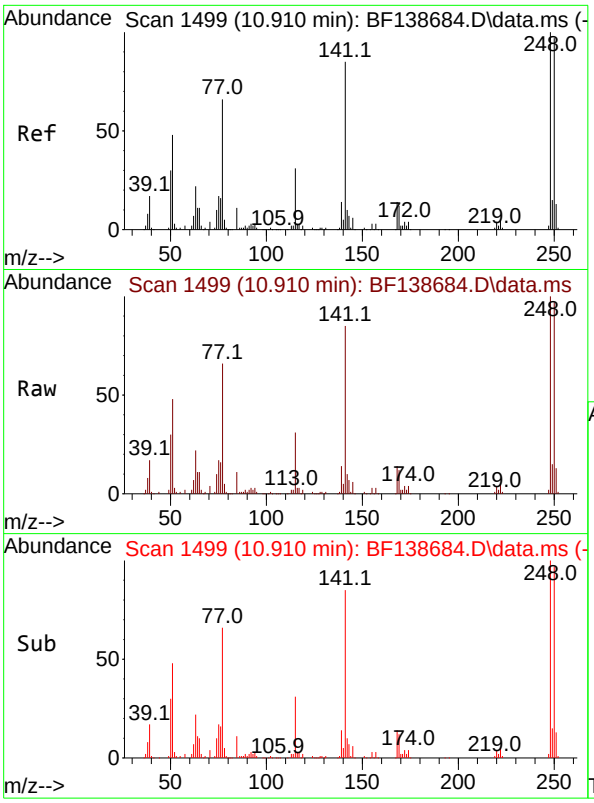


#66
n-Nitrosodiphenylamine
Concen: 40.397 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:169 Resp: 287289

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.3	29.0	43.6



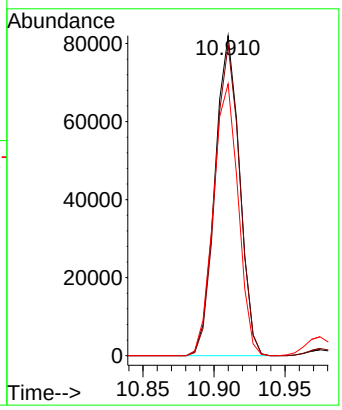


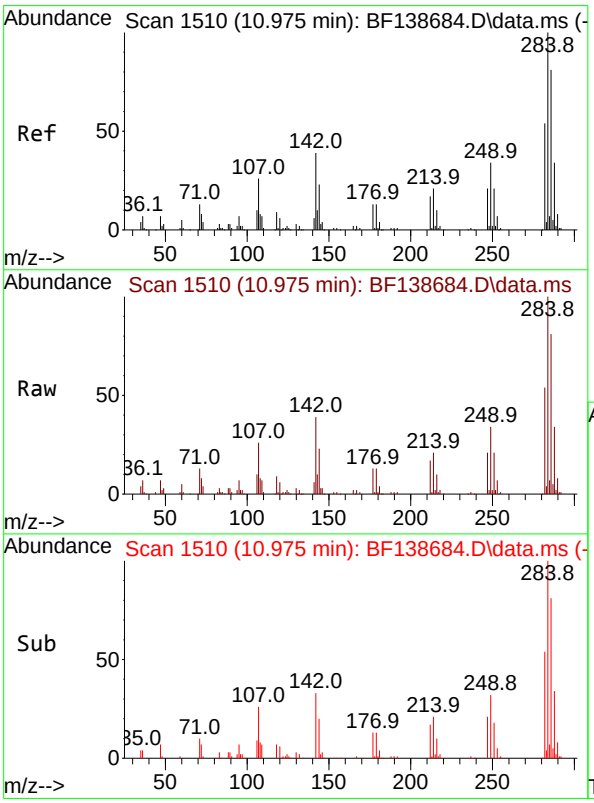
#67
4-Bromophenyl-phenylether
Concen: 40.031 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 98606

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	85.0	68.0	102.0

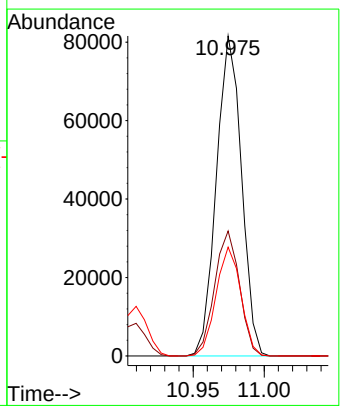


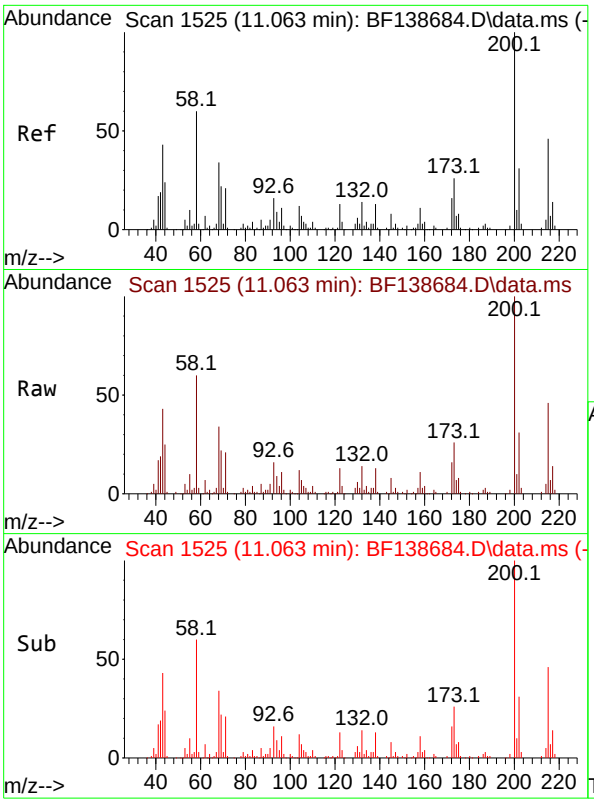


#68
Hexachlorobenzene
Concen: 39.354 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:284 Resp: 100089

Ion	Ratio	Lower	Upper
284	100		
142	39.1	31.3	46.9
249	34.0	27.2	40.8



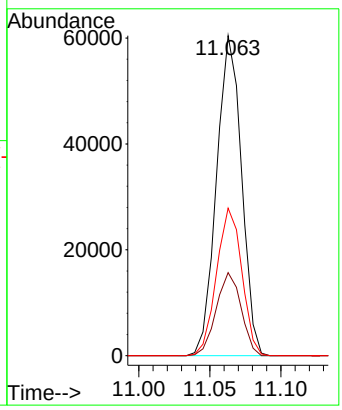


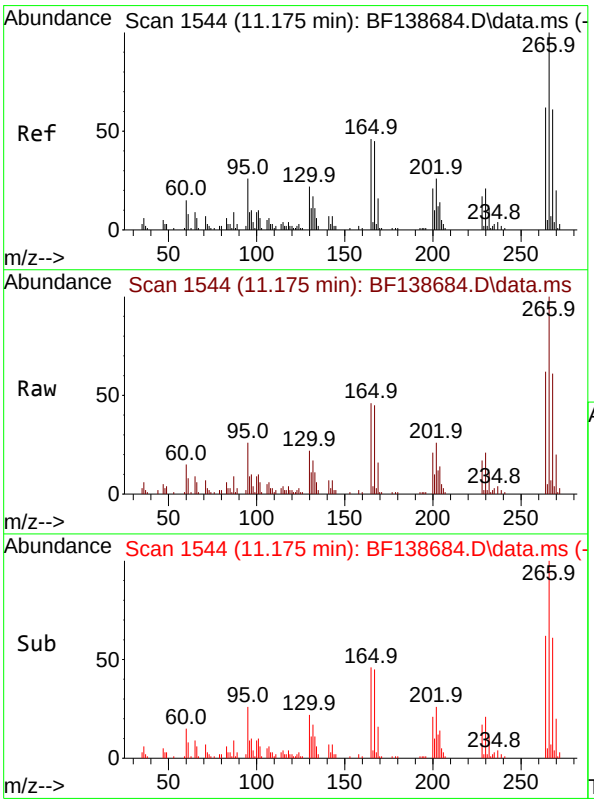
#69
Atrazine
Concen: 40.295 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 73933

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.0	46.0
215	46.1	26.1	66.1

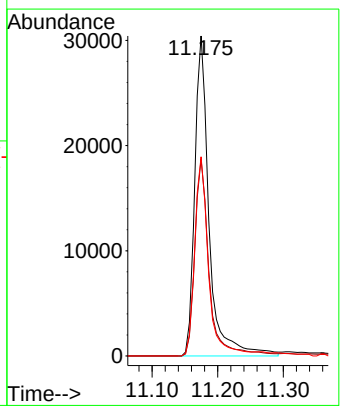


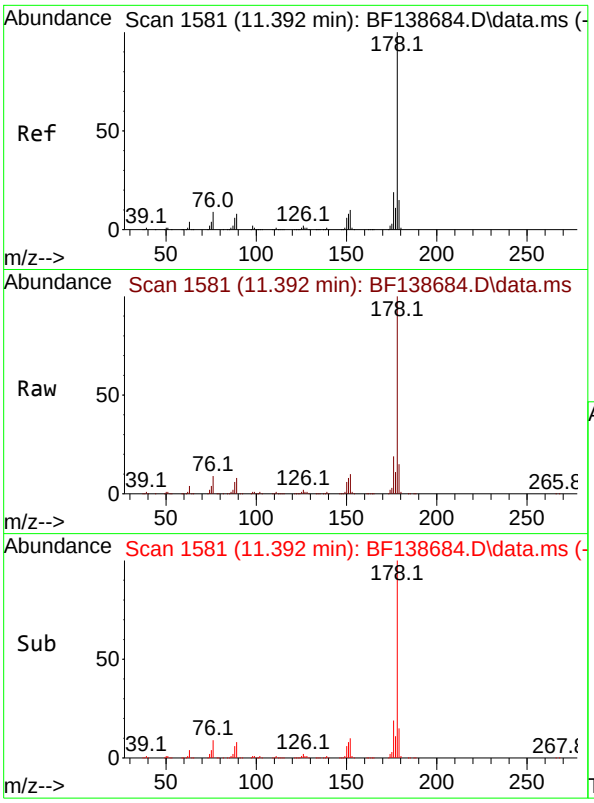


#70
Pentachlorophenol
Concen: 40.533 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:266 Resp: 46467

Ion	Ratio	Lower	Upper
266	100		
268	61.5	49.2	73.8
264	62.2	49.8	74.6



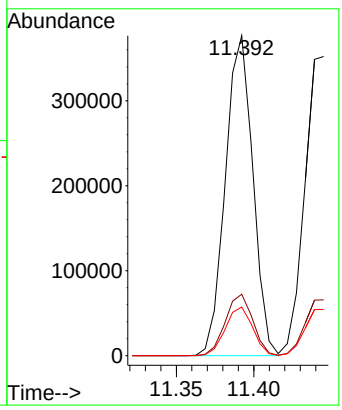


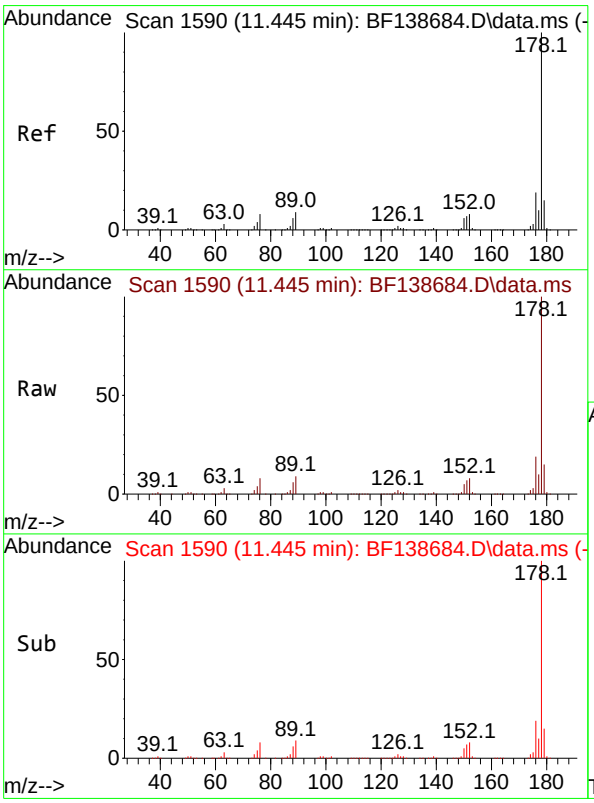
#71
Phenanthrene
Concen: 39.658 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 464600

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.2	18.2

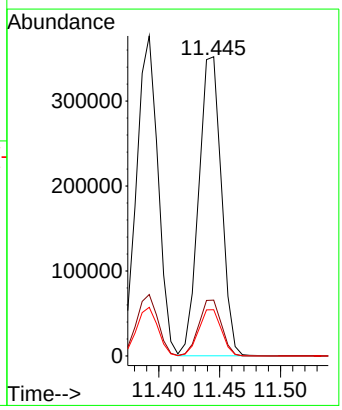


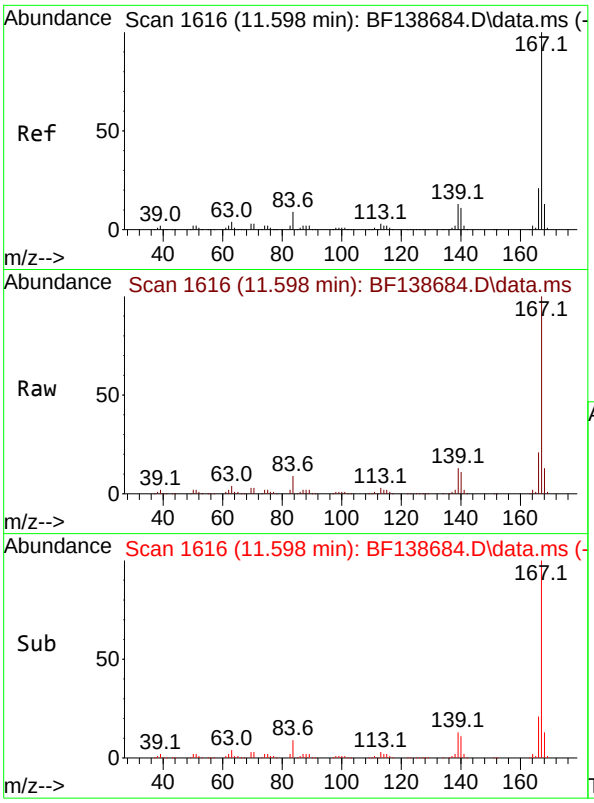


#72
Anthracene
Concen: 39.526 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:178 Resp: 456164

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.4	18.6



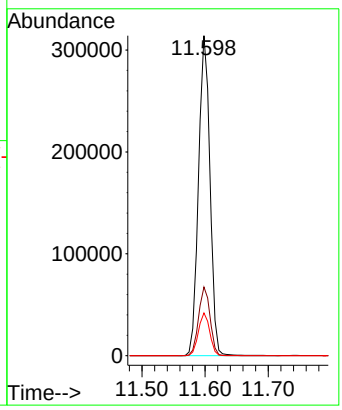


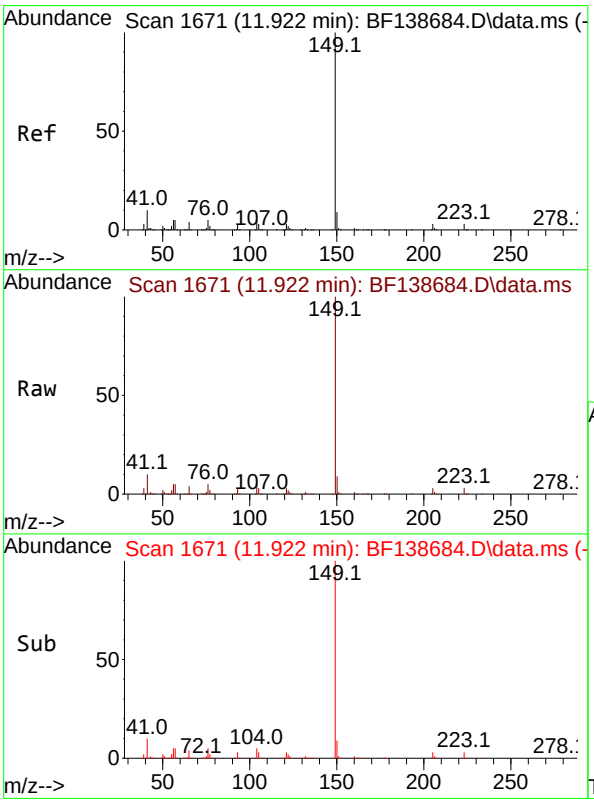
#73
Carbazole
Concen: 39.739 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 395675

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.3	10.6	16.0

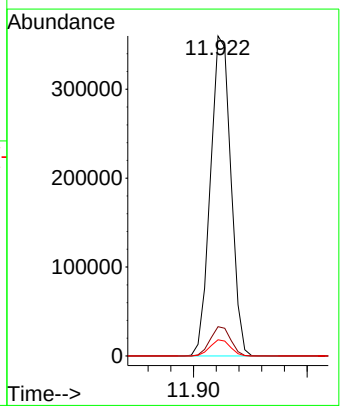


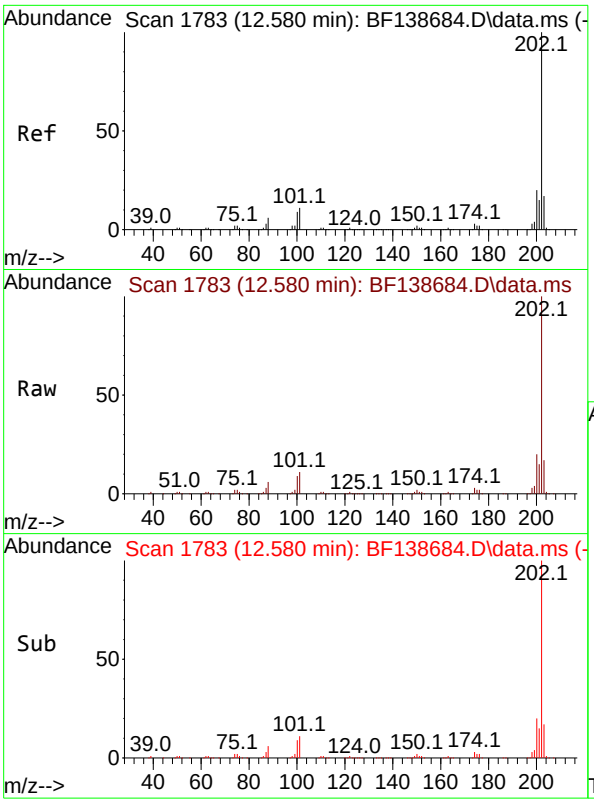


#74
Di-n-butylphthalate
Concen: 40.293 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:149 Resp: 451011

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.1	4.1	6.1



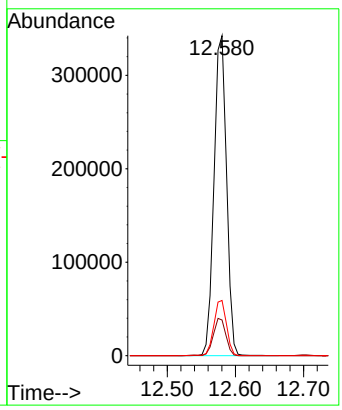


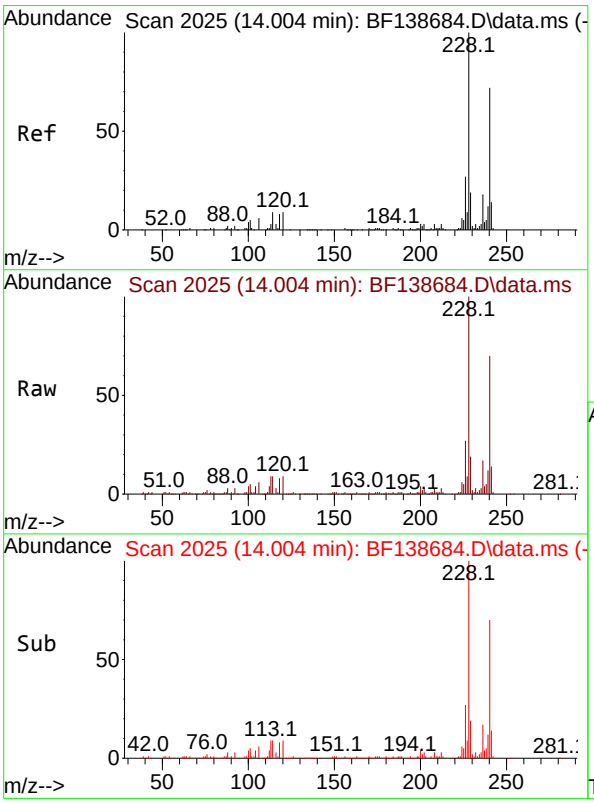
#75
Fluoranthene
Concen: 40.144 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 439041

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.2
203	17.3	0.0	37.3

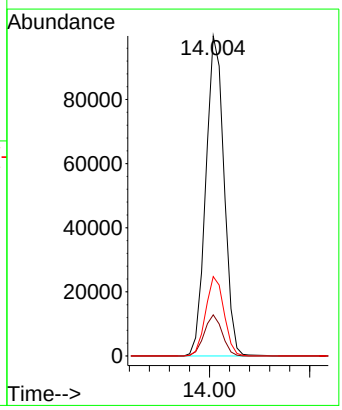


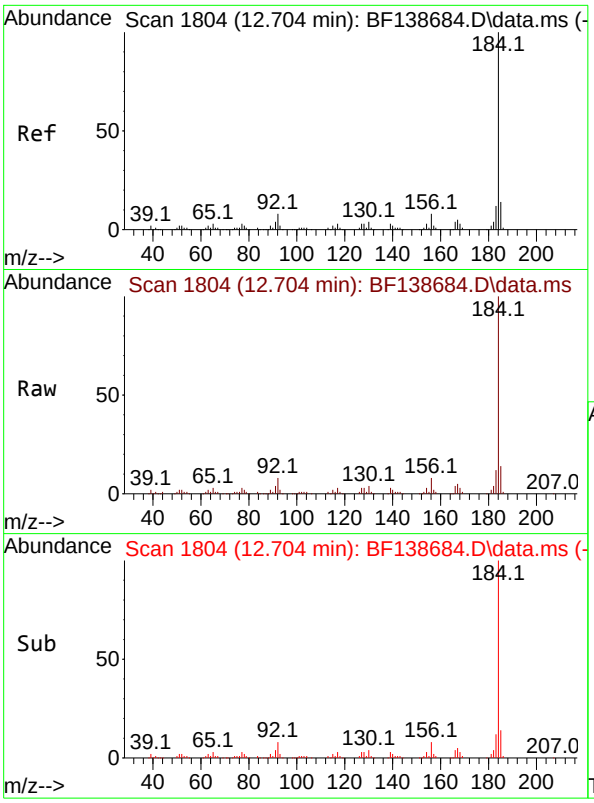


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:240 Resp: 125928

Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.2	15.4
236	24.8	19.8	29.8



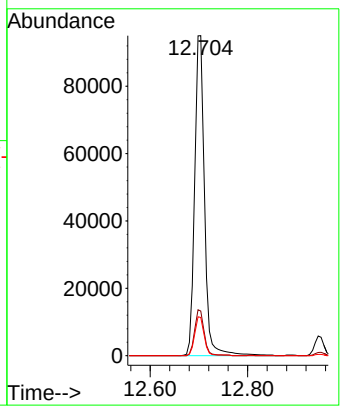


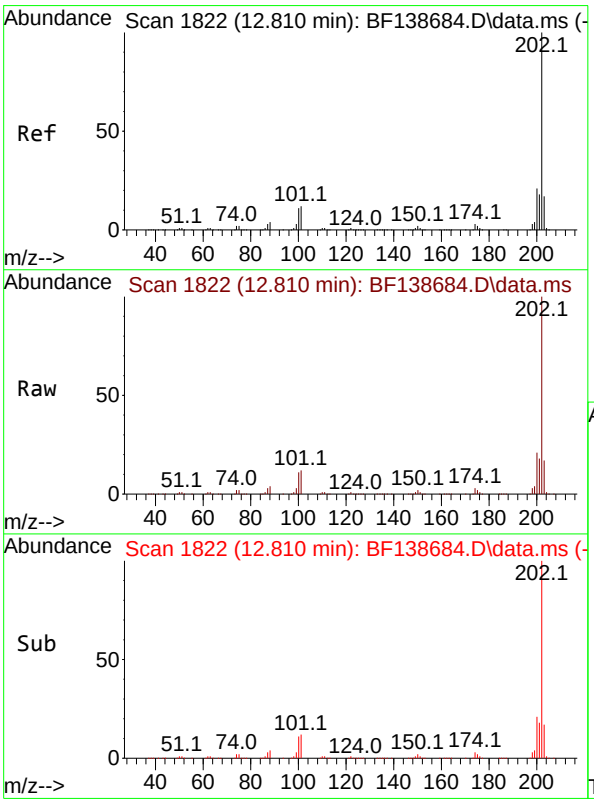
#77
Benzidine
Concen: 44.725 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 134710

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.1	16.7
183	12.0	9.6	14.4

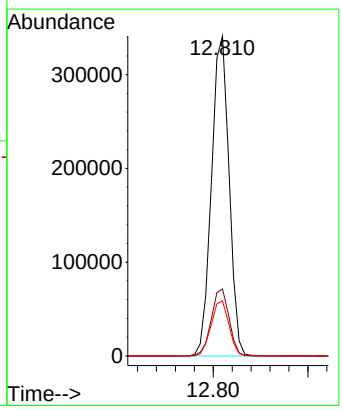


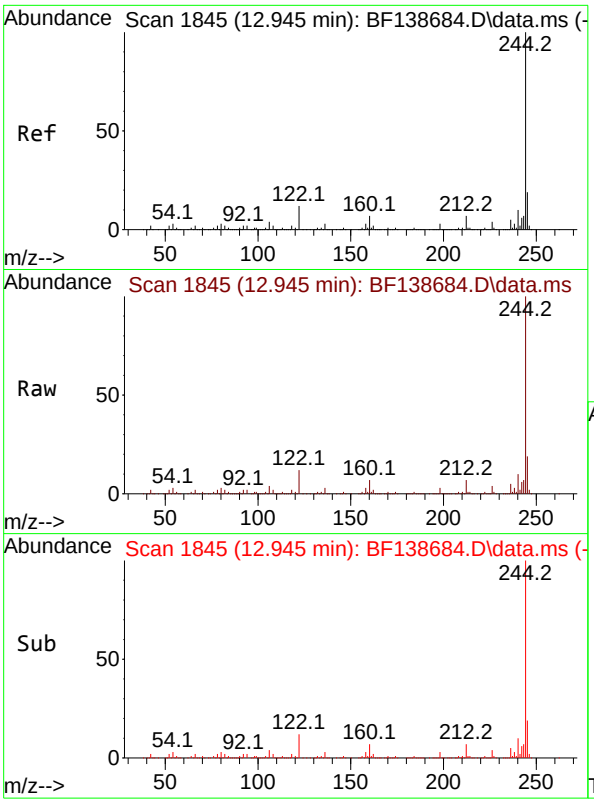


#78
Pyrene
Concen: 37.167 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:202 Resp: 440674

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.2	13.8	20.6



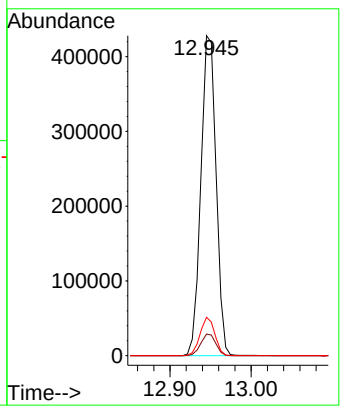


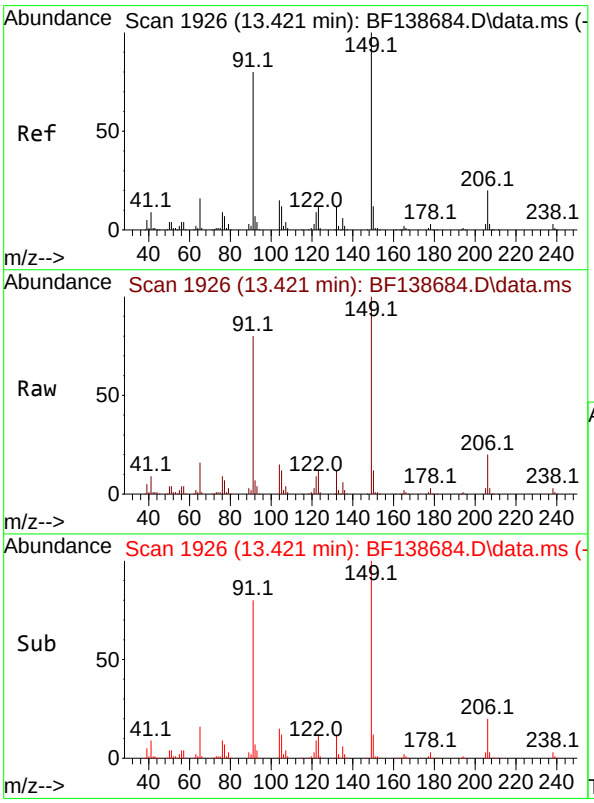
#79
Terphenyl-d14
Concen: 74.045 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 556920

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	12.0	9.6	14.4

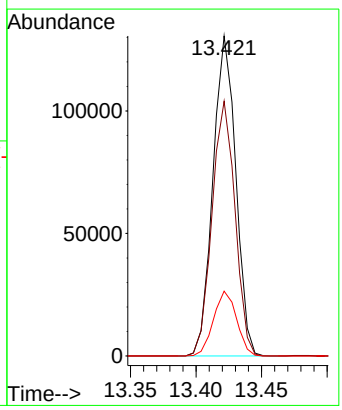


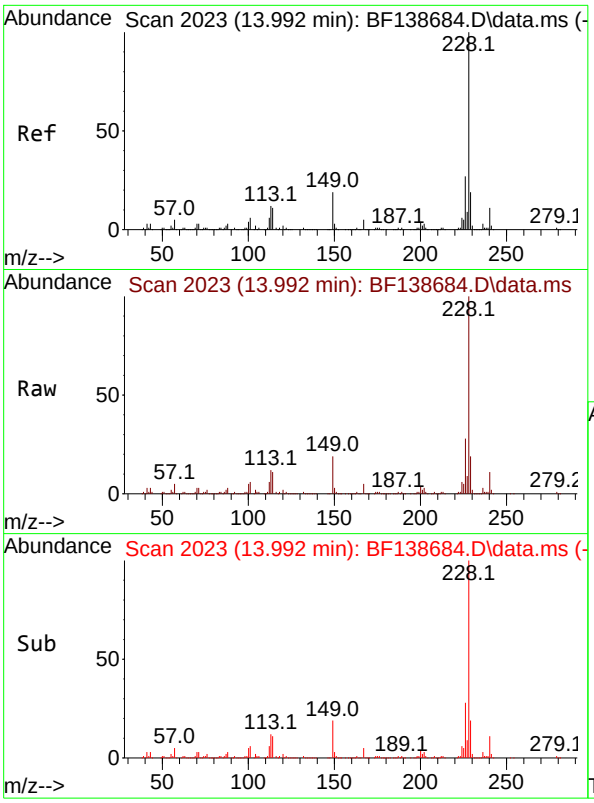


#80
Butylbenzylphthalate
Concen: 41.637 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:149 Resp: 158088

Ion	Ratio	Lower	Upper
149	100		
91	79.6	63.7	95.5
206	20.2	16.2	24.2



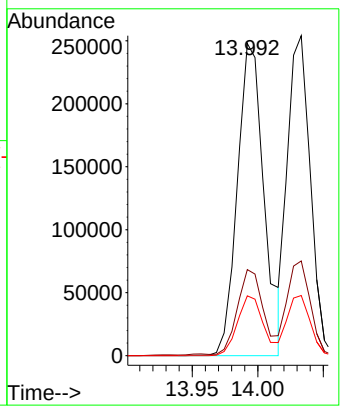


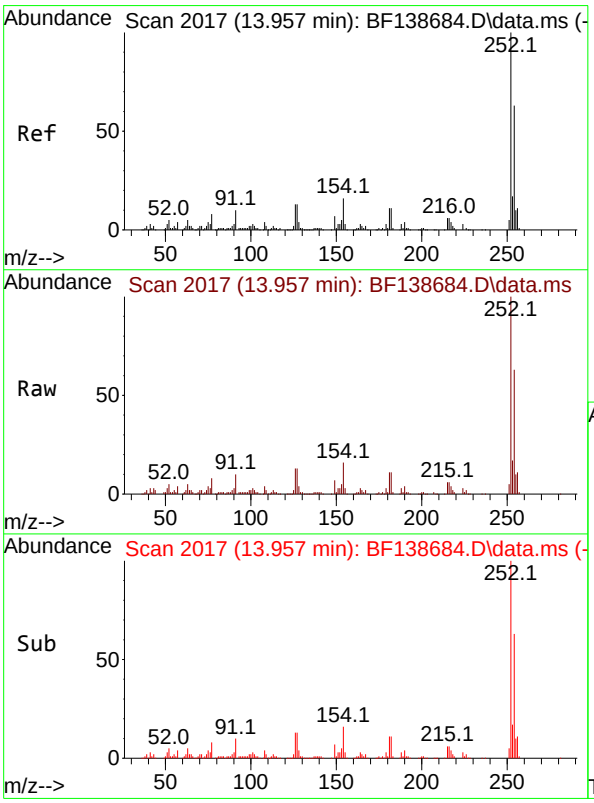
#81
Benzo(a)anthracene
Concen: 40.528 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 351448

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.2	15.4	23.0

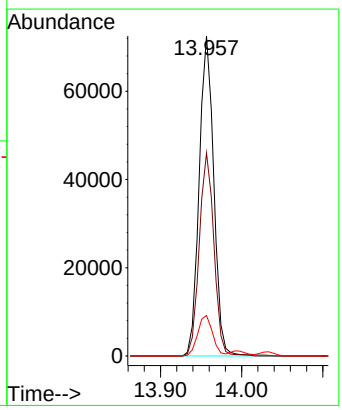


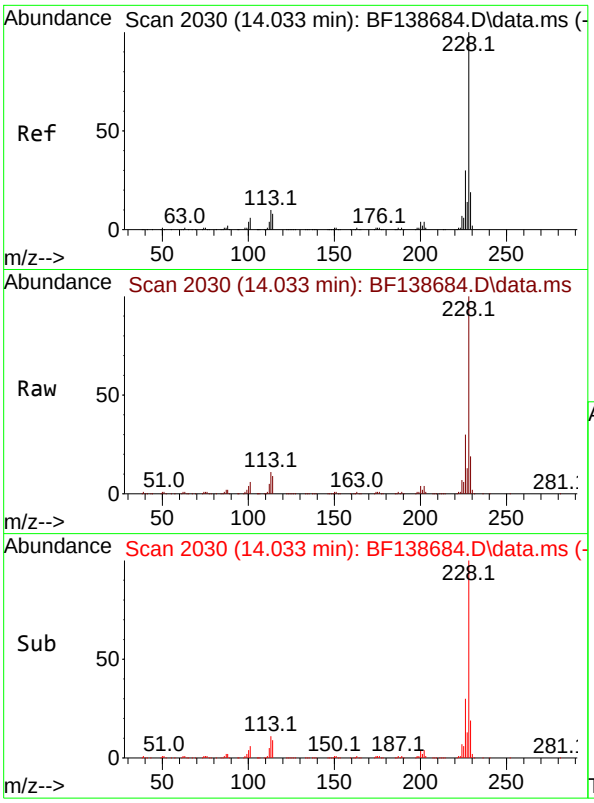


#82
3,3'-Dichlorobenzidine
Concen: 40.825 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:252 Resp: 90595

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	12.7	10.2	15.2



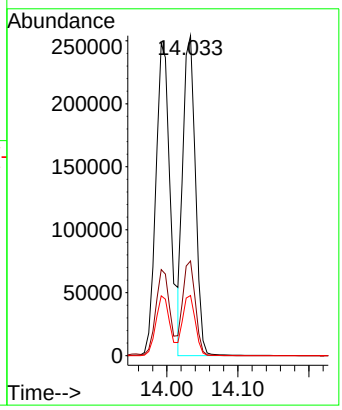


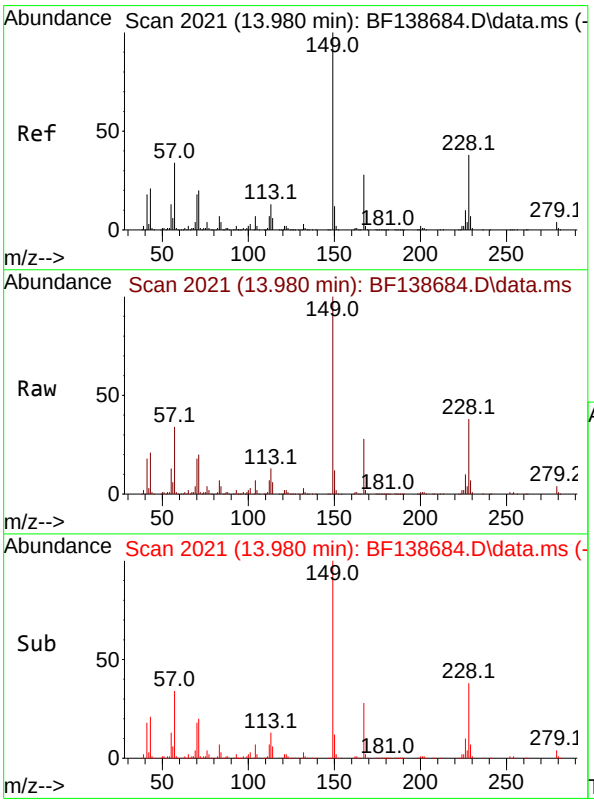
#83
Chrysene
Concen: 39.343 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 307799

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	18.8	15.0	22.6

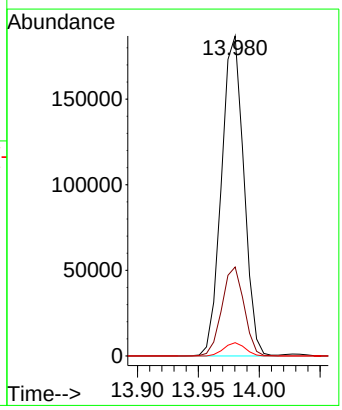


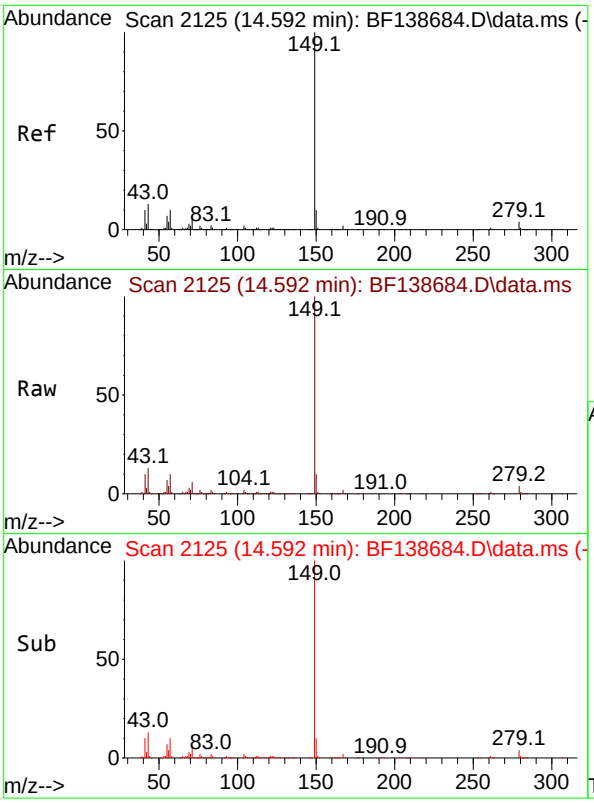


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.951 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:149 Resp: 238798

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	4.2	3.4	5.0



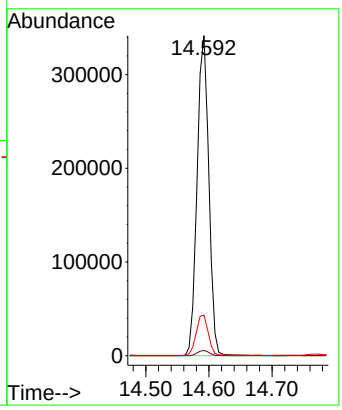


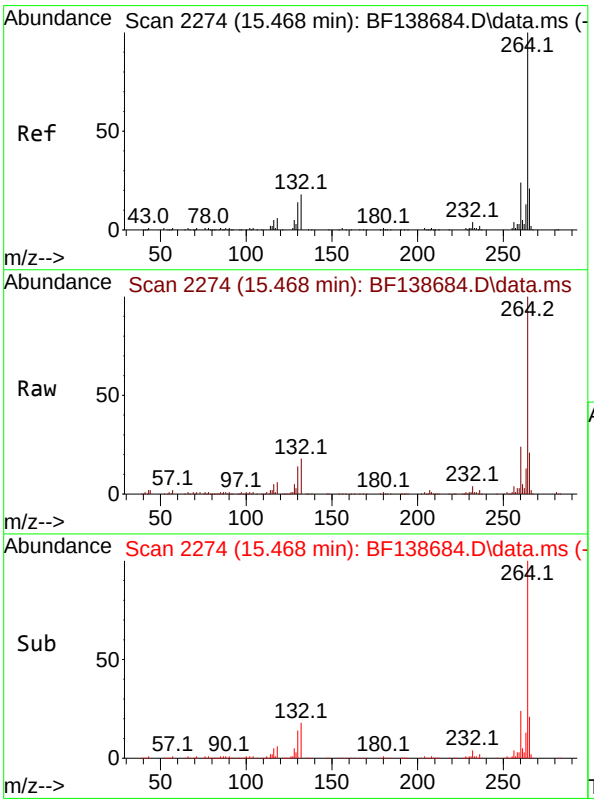
#85
Di-n-octyl phthalate
Concen: 42.690 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 439133

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	13.0	10.4	15.6

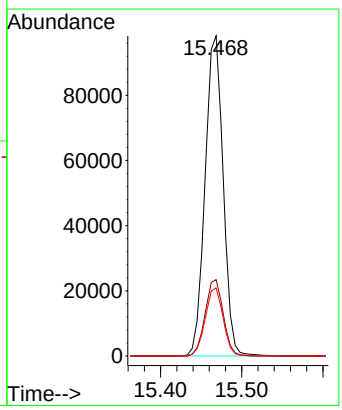


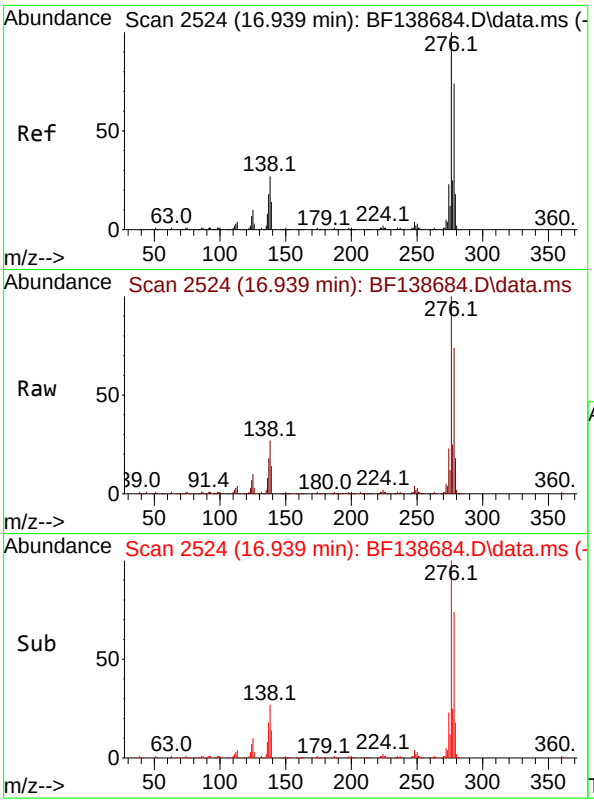


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:264 Resp: 151531

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	21.3	17.0	25.6



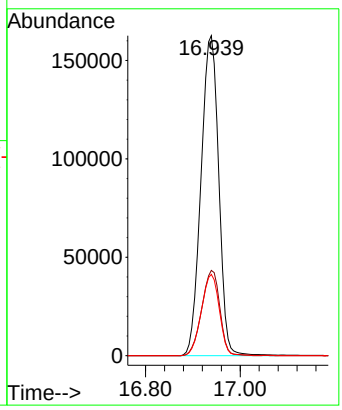


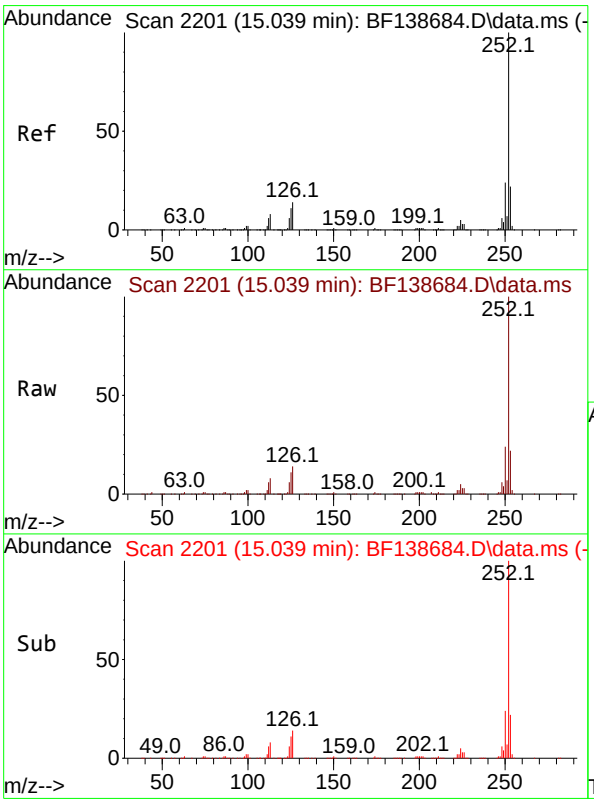
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.929 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 422742

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.8	32.8
277	25.7	20.6	30.8

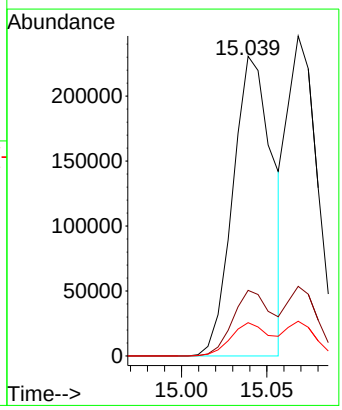


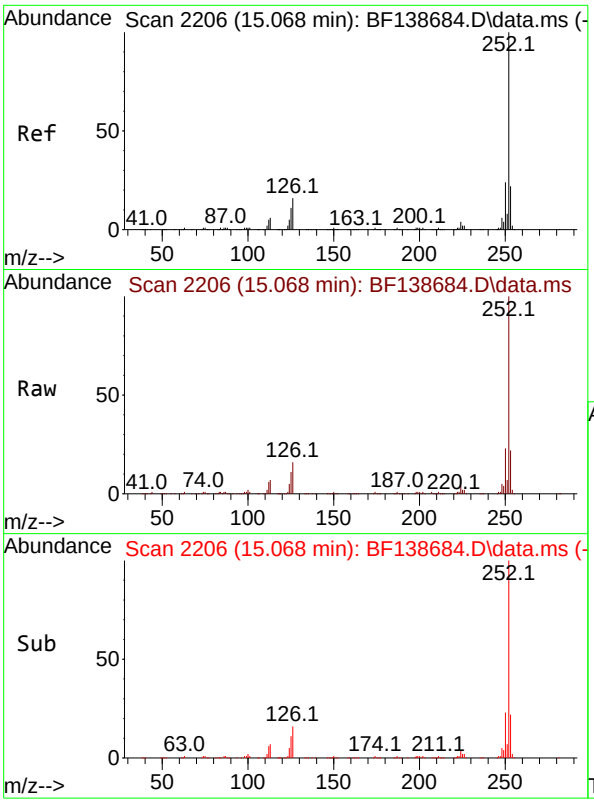


#88
Benzo(b)fluoranthene
Concen: 39.653 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:252 Resp: 372478

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.1	8.9	13.3



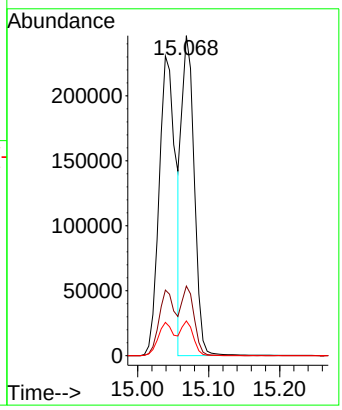


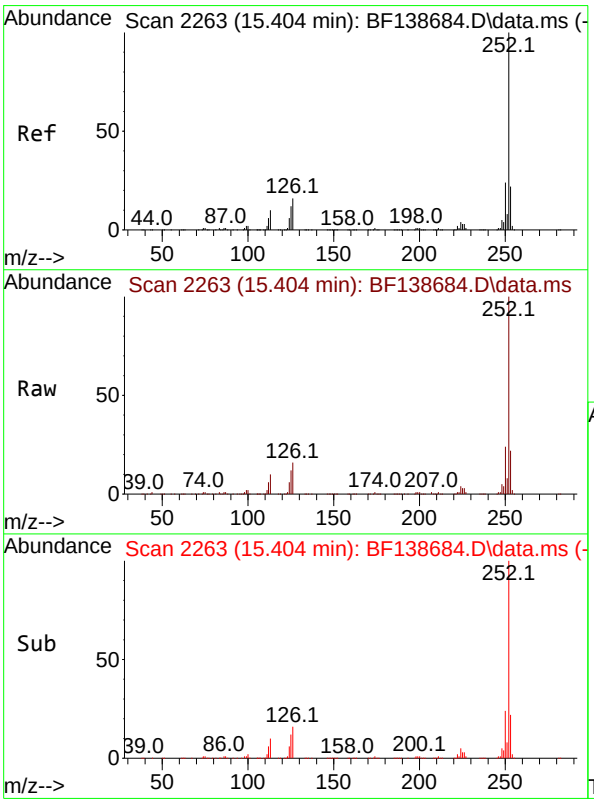
#89
Benzo(k)fluoranthene
Concen: 37.326 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 303576

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.8	8.6	13.0

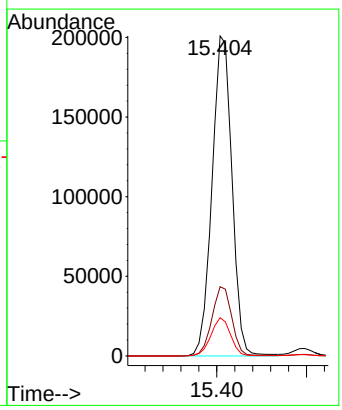


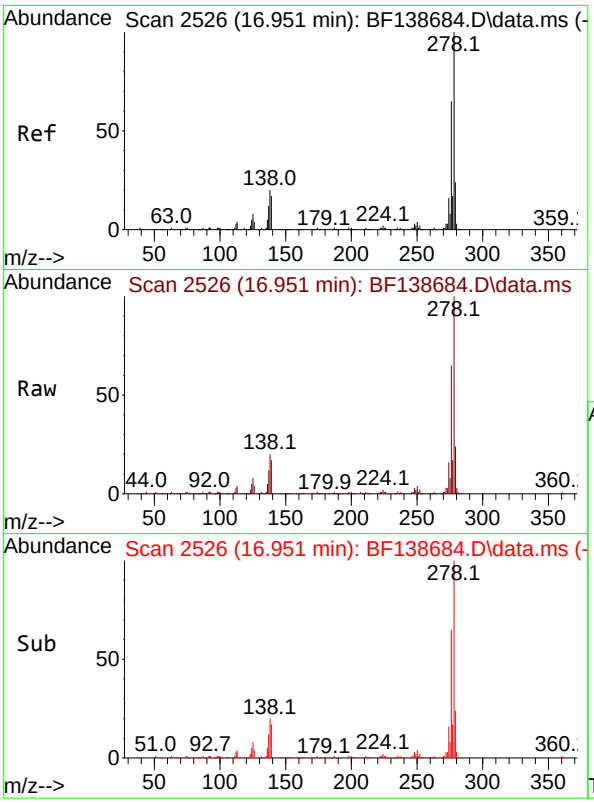


#90
Benzo(a)pyrene
Concen: 39.228 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:252 Resp: 309949

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	11.9	9.5	14.3



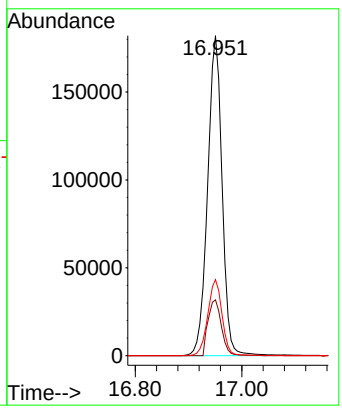


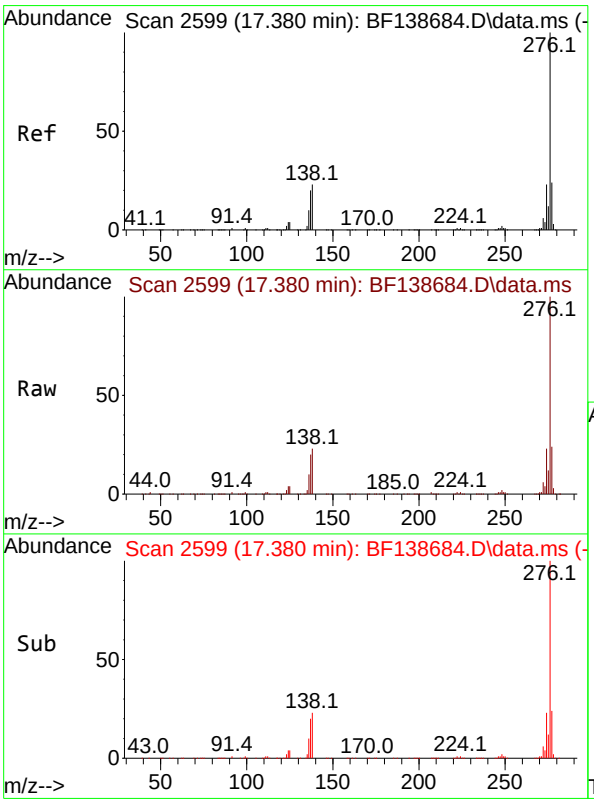
#91
Dibenzo(a,h)anthracene
Concen: 38.540 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 343548

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.0	21.0
279	23.7	19.0	28.4

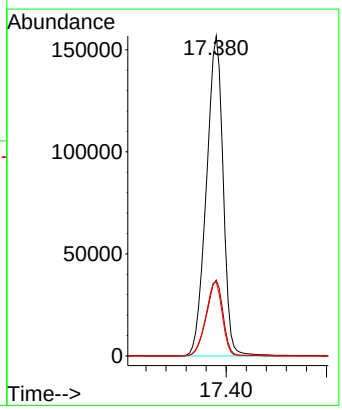




#92
Benzo(g,h,i)perylene
Concen: 39.273 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:276 Resp: 363283

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	23.1	18.5	27.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138685.D
Acq On : 30 Jul 2024 15:27
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 30 17:45:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	74850	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	297858	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	152426	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	237060	20.000	ng		0.00
76) Chrysene-d12	14.004	240	124208	20.000	ng		0.00
86) Perylene-d12	15.468	264	151751	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	465439	95.989	ng		0.00
7) Phenol-d6	6.487	99	619012	95.084	ng		0.00
23) Nitrobenzene-d5	7.416	82	585266	96.067	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	119062	95.358	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	960645	94.693	ng		0.00
79) Terphenyl-d14	12.951	244	665833	89.751	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.587	88	104204	49.086	ng		98
3) Pyridine	3.340	79	258280	50.224	ng		98
4) n-Nitrosodimethylamine	3.299	42	150372	49.096	ng		97
6) Aniline	6.510	93	278162	47.911	ng	#	77
8) 2-Chlorophenol	6.634	128	244752	47.976	ng		97
9) Benzaldehyde	6.398	77	161301	41.333	ng		99
10) Phenol	6.504	94	325498	47.487	ng		90
11) bis(2-Chloroethyl)ether	6.587	93	252329	47.838	ng		99
12) 1,3-Dichlorobenzene	6.787	146	270376	47.346	ng		99
13) 1,4-Dichlorobenzene	6.863	146	277374	48.130	ng		99
14) 1,2-Dichlorobenzene	7.016	146	254151	47.188	ng		99
15) Benzyl Alcohol	6.992	79	227061	48.392	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	432504	47.646	ng		96
17) 2-Methylphenol	7.104	107	200680	47.638	ng		99
18) Hexachloroethane	7.357	117	103651	47.780	ng		98
19) n-Nitroso-di-n-propyla...	7.263	70	181478	46.154	ng		98
20) 3+4-Methylphenols	7.263	107	248467	45.970	ng		91
22) Acetophenone	7.257	105	340314	46.663	ng		99
24) Nitrobenzene	7.434	77	297595	48.005	ng		97
25) Isophorone	7.669	82	487636	46.876	ng		99
26) 2-Nitrophenol	7.745	139	130074	48.769	ng		99
27) 2,4-Dimethylphenol	7.787	122	154221	48.328	ng		100
28) bis(2-Chloroethoxy)met...	7.881	93	299695	47.308	ng		100
29) 2,4-Dichlorophenol	7.992	162	196641	47.954	ng		99
30) 1,2,4-Trichlorobenzene	8.069	180	226165	47.793	ng		98
31) Naphthalene	8.151	128	744393	47.479	ng		100
32) Benzoic acid	7.916	122	123714	49.340	ng		97
33) 4-Chloroaniline	8.204	127	250620	47.621	ng		98
34) Hexachlorobutadiene	8.263	225	138993	48.493	ng		98
35) Caprolactam	8.581	113	56708	46.347	ng		96
36) 4-Chloro-3-methylphenol	8.686	107	216280	46.151	ng		99
37) 2-Methylnaphthalene	8.839	142	461125	46.570	ng		100
38) 1-Methylnaphthalene	8.939	142	450948	46.476	ng		99
40) 1,2,4,5-Tetrachloroben...	9.004	216	206585	48.789	ng		99
41) Hexachlorocyclopentadiene	8.986	237	52700	49.894	ng		97
43) 2,4,6-Trichlorophenol	9.122	196	125832	48.741	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138685.D
Acq On : 30 Jul 2024 15:27
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 30 17:45:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

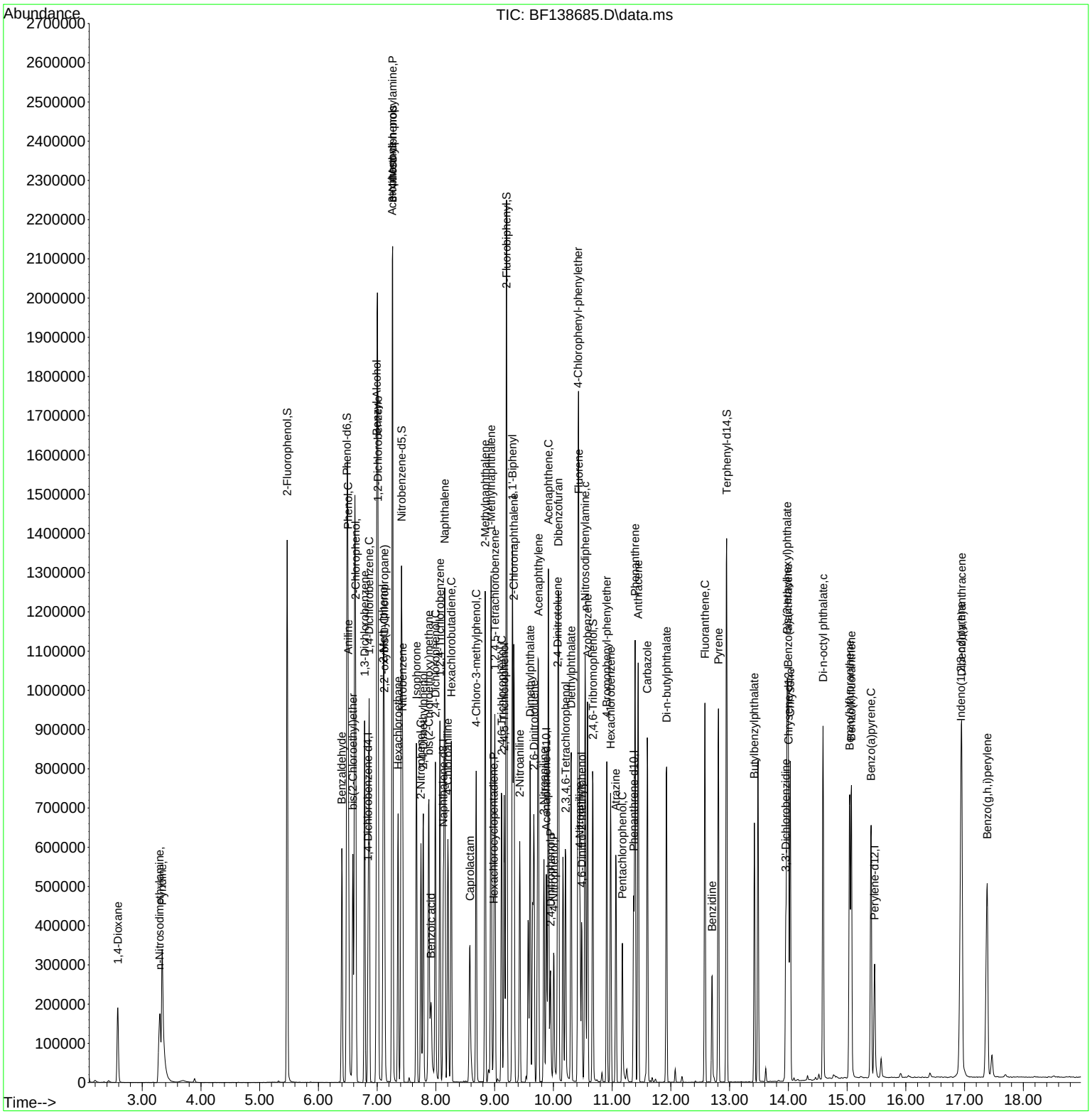
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	137518	48.726	ng	98
46) 1,1'-Biphenyl	9.304	154	574292	48.107	ng	100
47) 2-Chloronaphthalene	9.328	162	426264	48.011	ng	98
48) 2-Nitroaniline	9.428	65	144739	48.087	ng	99
49) Acenaphthylene	9.745	152	599464	47.605	ng	99
50) Dimethylphthalate	9.604	163	460459	47.244	ng	99
51) 2,6-Dinitrotoluene	9.669	165	105483	47.956	ng	96
52) Acenaphthene	9.916	154	399608	47.208	ng	100
53) 3-Nitroaniline	9.839	138	108951	47.915	ng	99
54) 2,4-Dinitrophenol	9.951	184	49980	49.361	ng	96
55) Dibenzofuran	10.086	168	565582	47.333	ng	99
56) 4-Nitrophenol	10.010	139	66924	48.943	ng	94
57) 2,4-Dinitrotoluene	10.075	165	130457	46.487	ng	95
58) Fluorene	10.433	166	444469	46.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	106594	49.402	ng	99
60) Diethylphthalate	10.304	149	424041	45.886	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	220930	47.209	ng	99
62) 4-Nitroaniline	10.451	138	101171	46.819	ng	100
63) Azobenzene	10.580	77	479859	46.818	ng	100
65) 4,6-Dinitro-2-methylph...	10.486	198	72667	50.244	ng	95
66) n-Nitrosodiphenylamine	10.539	169	359408	48.503	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	124874	48.653	ng	99
68) Hexachlorobenzene	10.975	284	126744	47.827	ng	99
69) Atrazine	11.063	200	90580	47.380	ng	98
70) Pentachlorophenol	11.175	266	61385	51.390	ng	99
71) Phenanthrene	11.392	178	575040	47.109	ng	100
72) Anthracene	11.445	178	571666	47.539	ng	99
73) Carbazole	11.598	167	480092	46.275	ng	99
74) Di-n-butylphthalate	11.927	149	559303	47.956	ng	99
75) Fluoranthene	12.580	202	533004	46.772	ng	99
77) Benzidine	12.704	184	145955	49.129	ng	99
78) Pyrene	12.810	202	525950	44.974	ng	99
80) Butylbenzylphthalate	13.421	149	193143	51.575	ng	99
81) Benzo(a)anthracene	13.998	228	419449	49.040	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	107444	49.088	ng	98
83) Chrysene	14.033	228	373417	48.391	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	293490	53.519	ng	99
85) Di-n-octyl phthalate	14.592	149	540838	53.306	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	533298	49.039	ng	99
88) Benzo(b)fluoranthene	15.045	252	447896	47.613	ng	99
89) Benzo(k)fluoranthene	15.074	252	402008	49.358	ng	99
90) Benzo(a)pyrene	15.410	252	389298	49.199	ng	100
91) Dibenzo(a,h)anthracene	16.951	278	432604	48.460	ng	99
92) Benzo(g,h,i)perylene	17.386	276	453886	48.997	ng	100

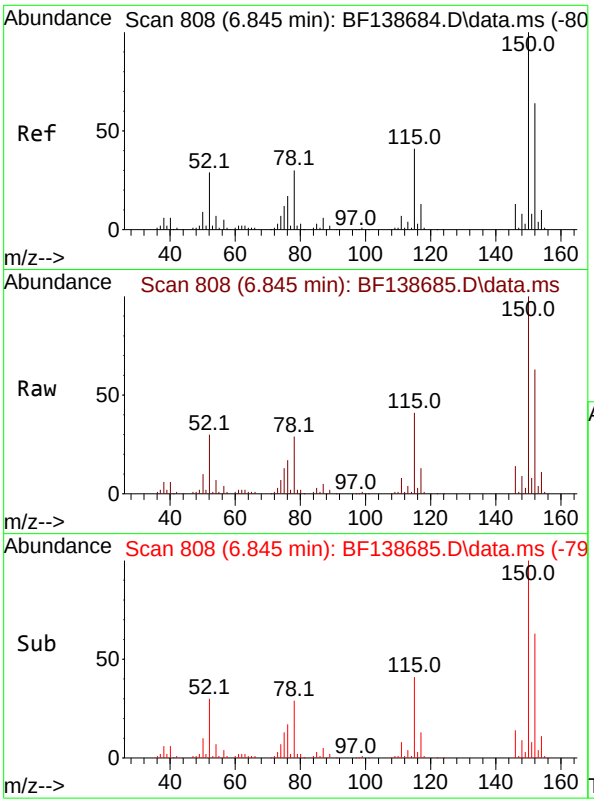
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138685.D
Acq On : 30 Jul 2024 15:27
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 30 17:45:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



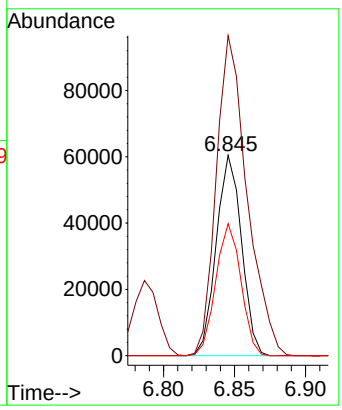


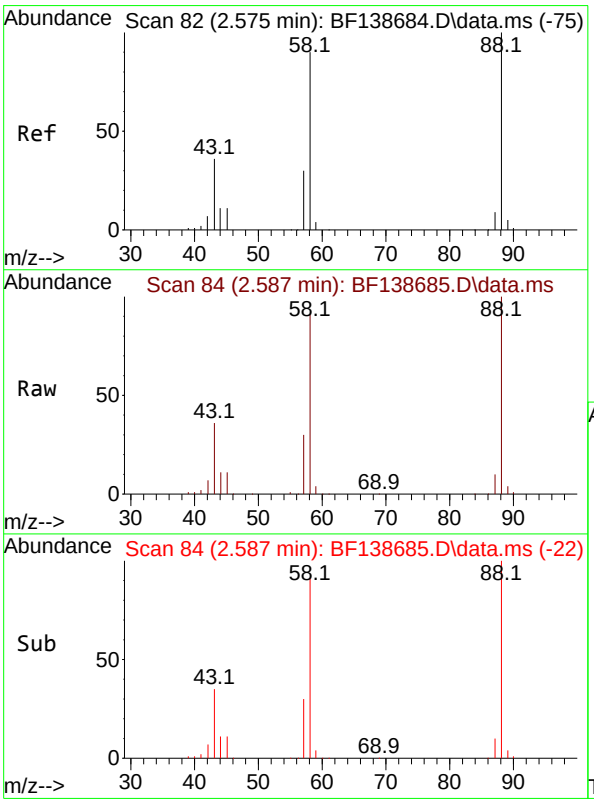
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 74850

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.0	189.0
115	65.9	51.7	77.5

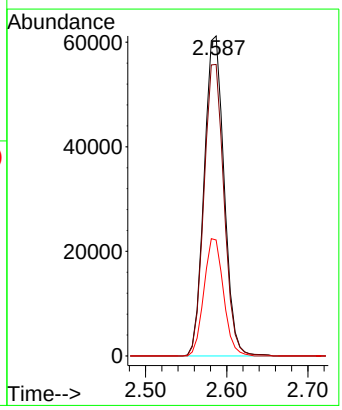


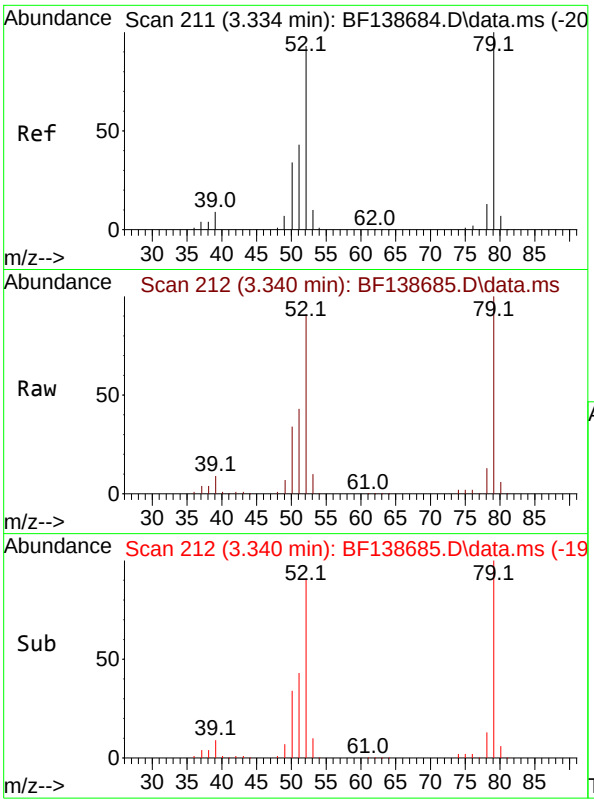


#2
1,4-Dioxane
Concen: 49.086 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 88 Resp: 104204

Ion	Ratio	Lower	Upper
88	100		
58	91.5	71.6	107.4
43	36.1	28.7	43.1



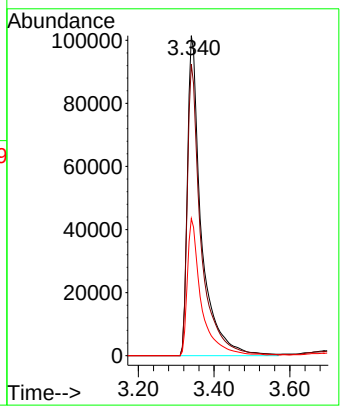


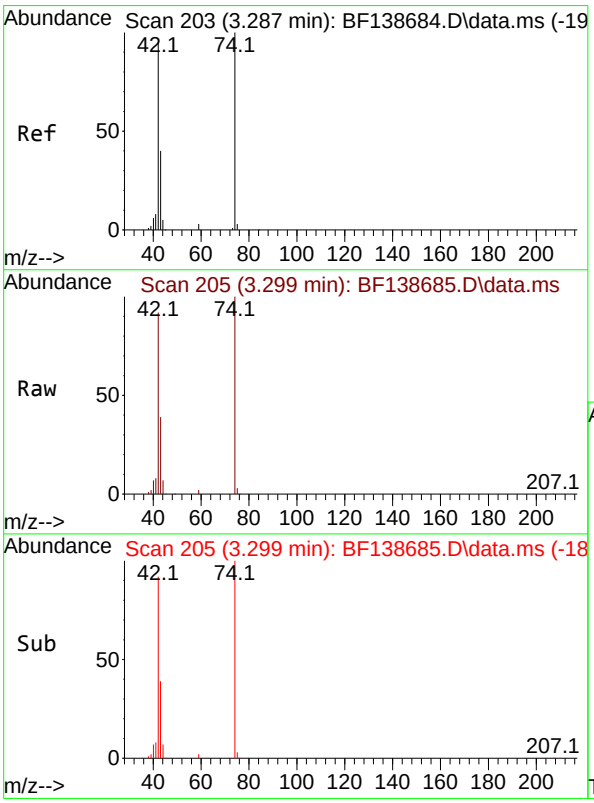
#3
Pyridine
Concen: 50.224 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 258280

Ion	Ratio	Lower	Upper
79	100		
52	91.0	74.7	112.1
51	42.9	34.6	51.8

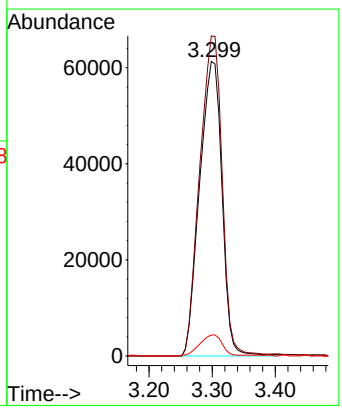


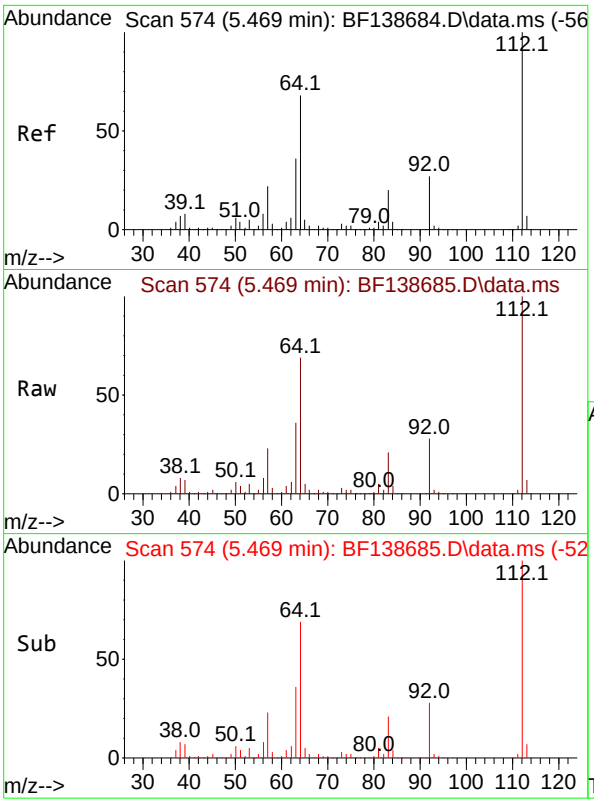


#4
n-Nitrosodimethylamine
Concen: 49.096 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 42 Resp: 150372

Ion	Ratio	Lower	Upper
42	100		
74	108.7	84.2	126.4
44	7.1	4.9	7.3



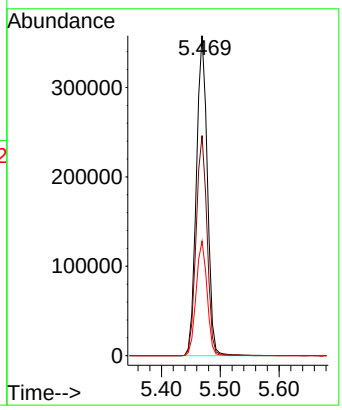


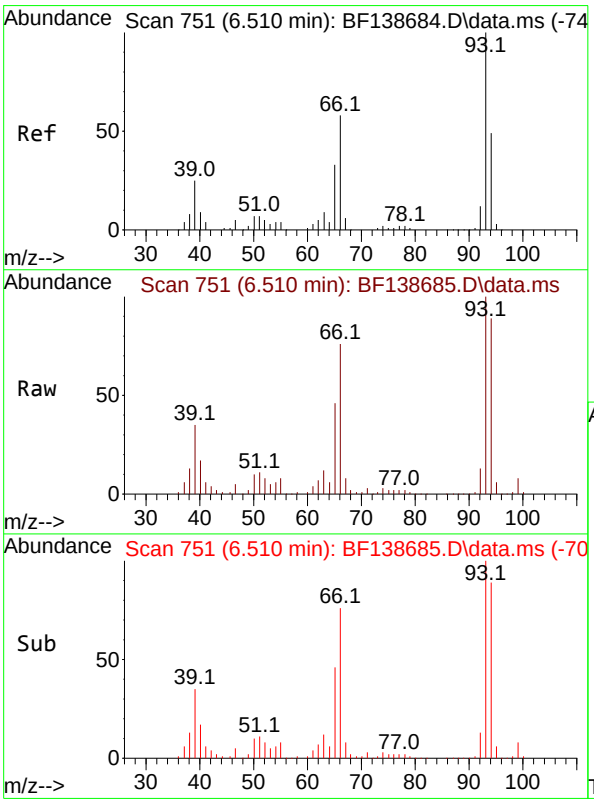
#5
2-Fluorophenol
Concen: 95.989 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 465439

Ion	Ratio	Lower	Upper
112	100		
64	68.8	54.2	81.4
63	35.8	28.7	43.1

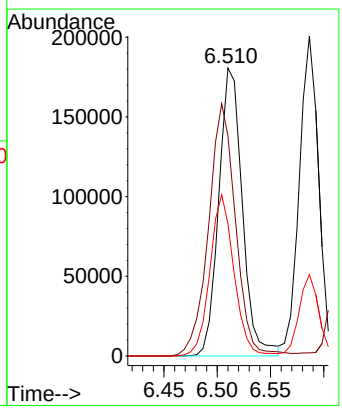


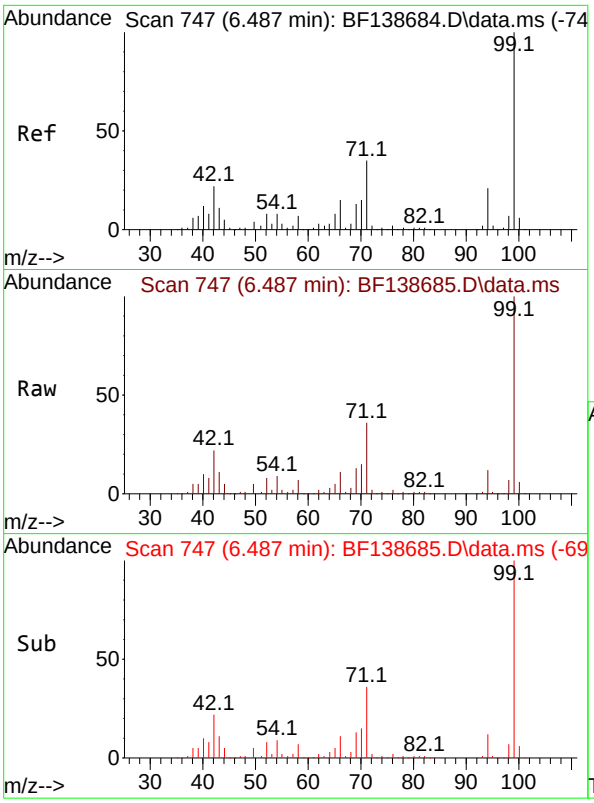


#6
Aniline
Concen: 47.911 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 93 Resp: 278162

Ion	Ratio	Lower	Upper
93	100		
66	76.5	46.9	70.3#
65	45.9	26.5	39.7#



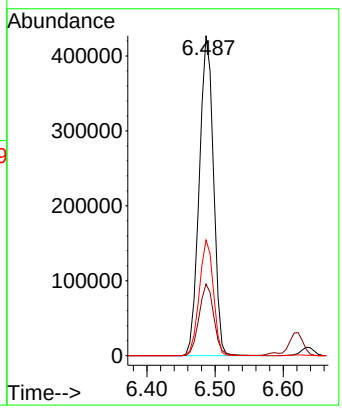


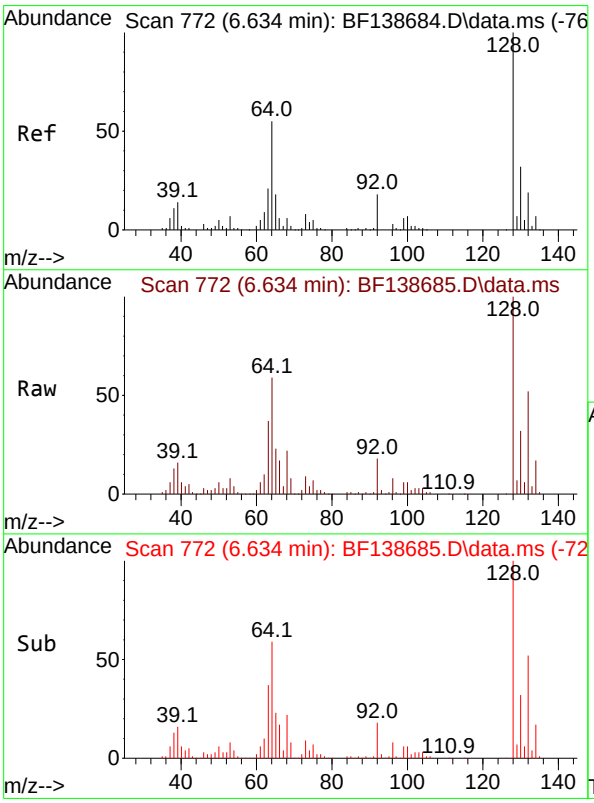
#7
Phenol-d6
Concen: 95.084 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 619012

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.4	26.0
71	36.2	28.1	42.1

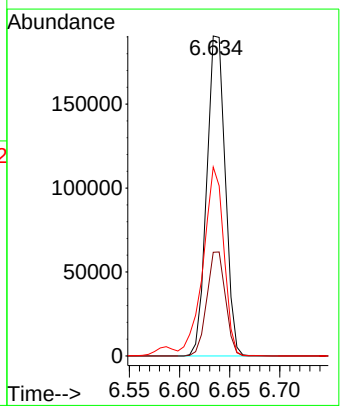


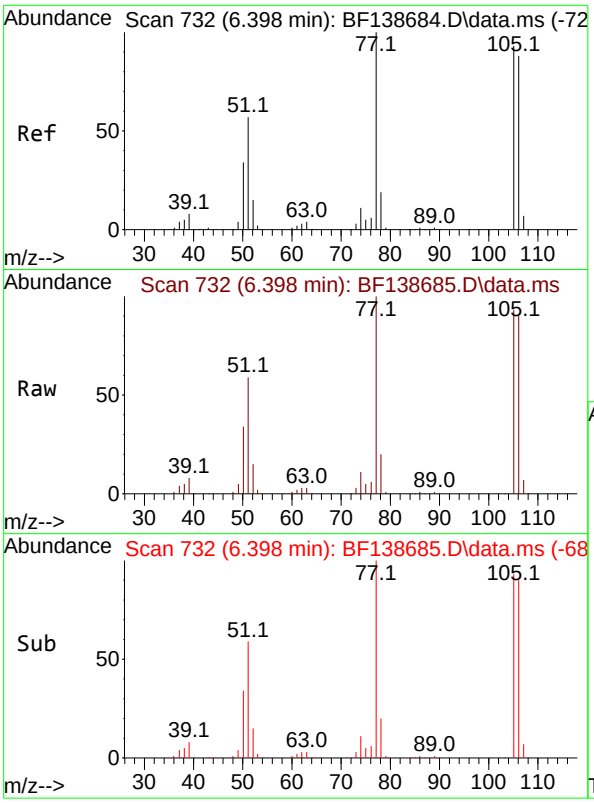


#8
2-Chlorophenol
Concen: 47.976 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:128 Resp: 244752

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	59.1	36.3	76.3



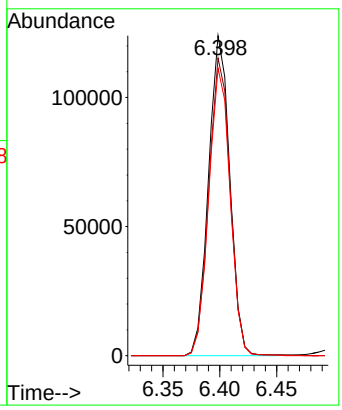


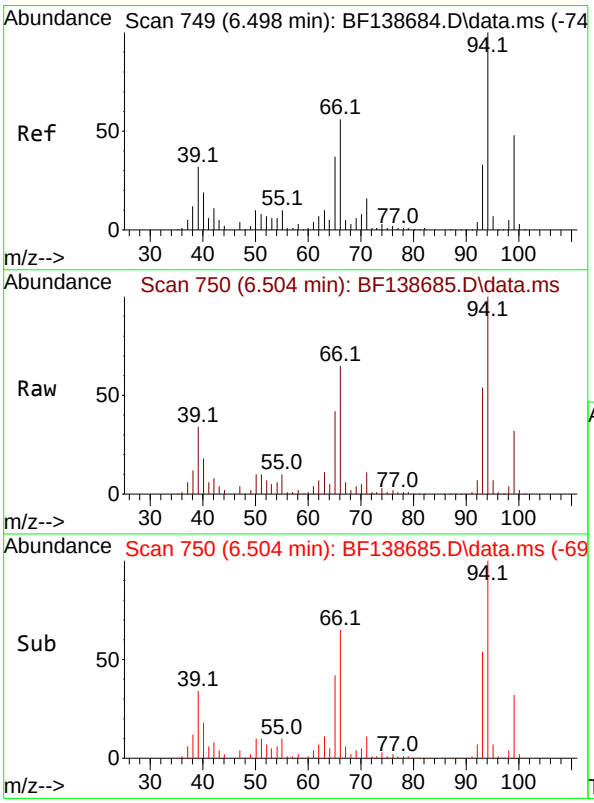
#9
Benzaldehyde
Concen: 41.333 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 161301

Ion	Ratio	Lower	Upper
77	100		
105	93.0	72.9	112.9
106	89.8	68.4	108.4

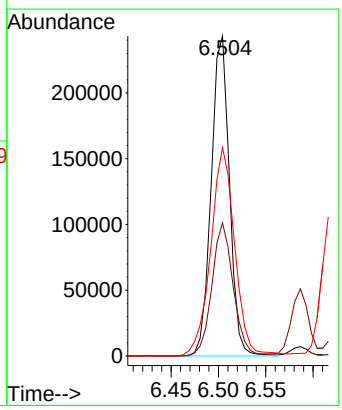


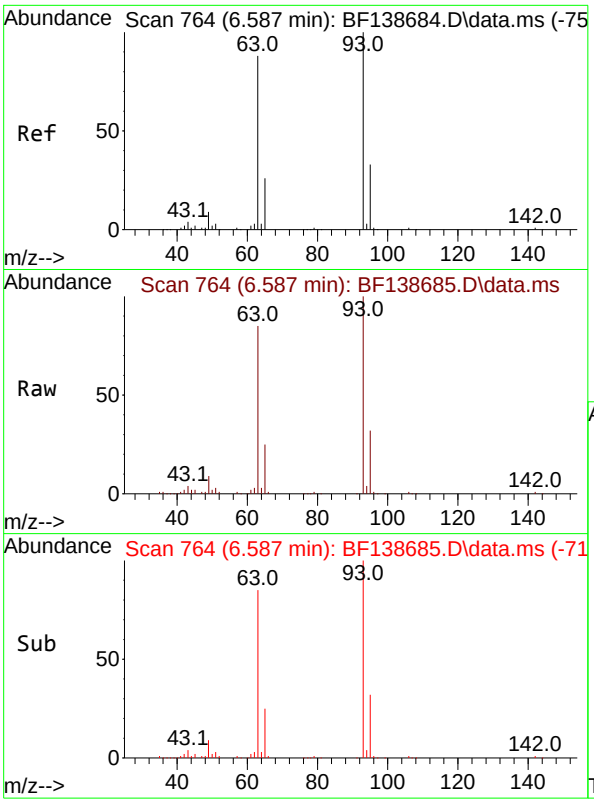


#10
Phenol
Concen: 47.487 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 94 Resp: 325498

Ion	Ratio	Lower	Upper
94	100		
65	41.6	16.9	56.9
66	65.1	36.5	76.5



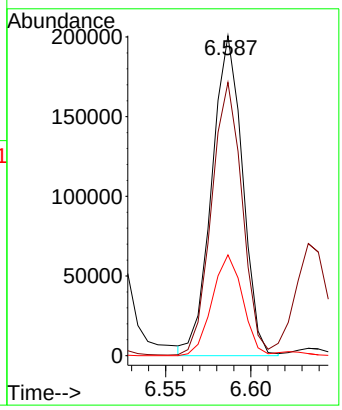


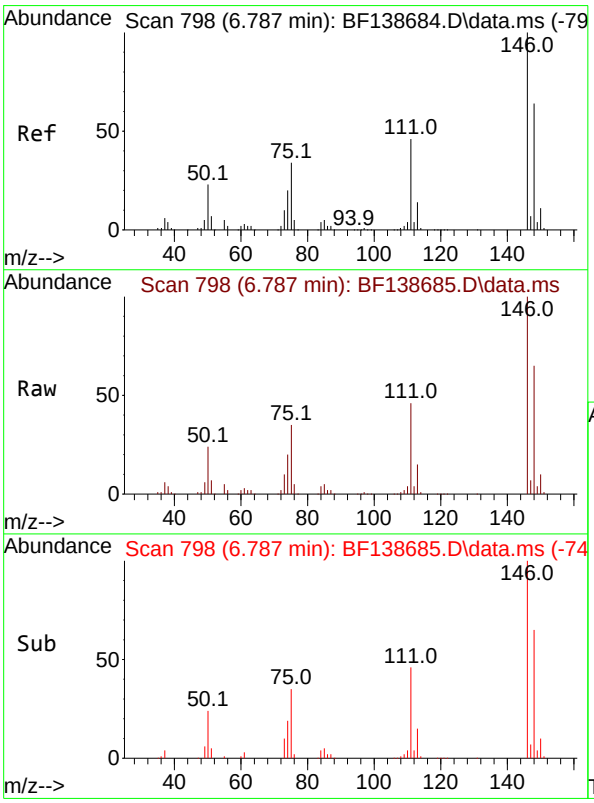
#11
bis(2-Chloroethyl)ether
Concen: 47.838 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 252329

Ion	Ratio	Lower	Upper
93	100		
63	85.4	65.3	105.3
95	31.5	12.4	52.4

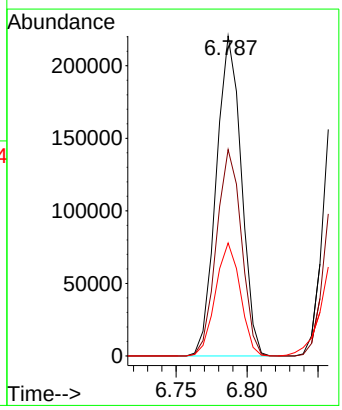


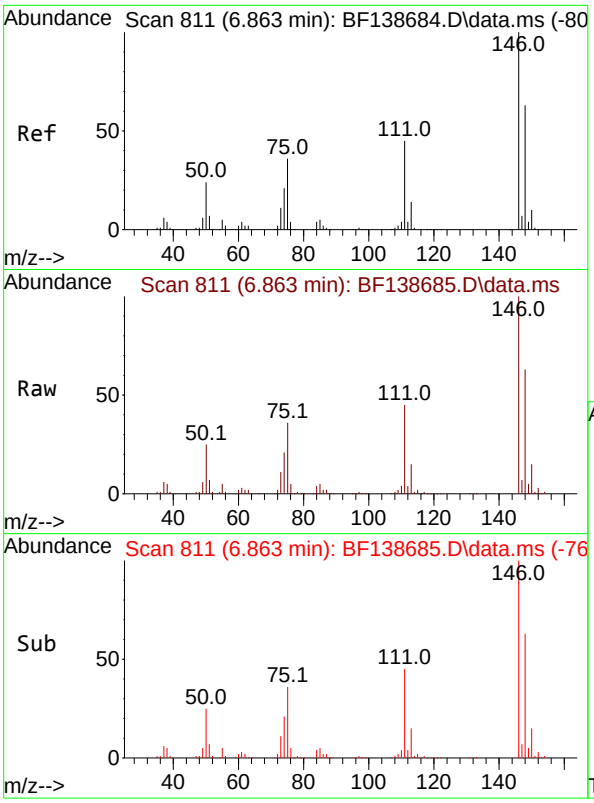


#12
1,3-Dichlorobenzene
Concen: 47.346 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:146 Resp: 270376

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
75	35.3	27.4	41.2



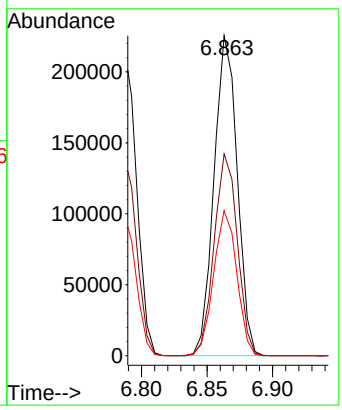


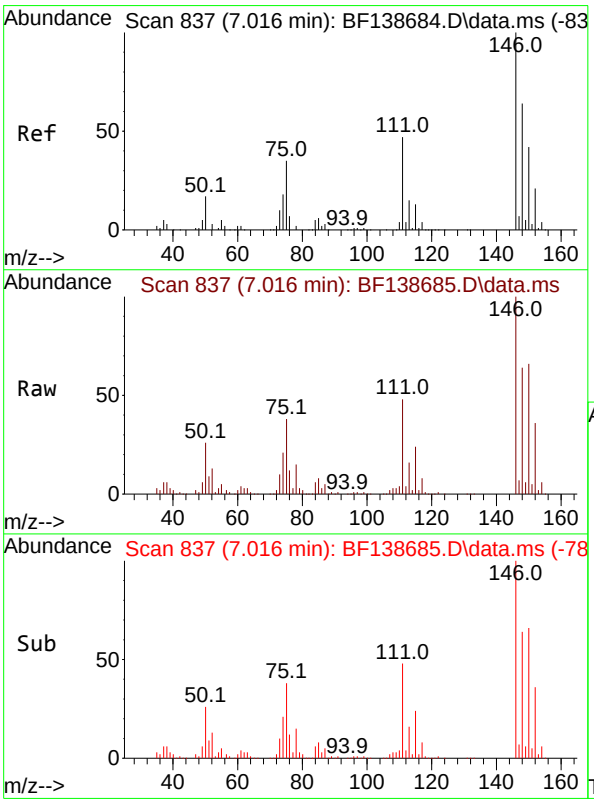
#13
1,4-Dichlorobenzene
Concen: 48.130 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 277374

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	45.4	35.9	53.9

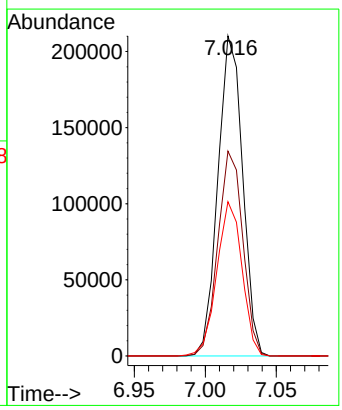


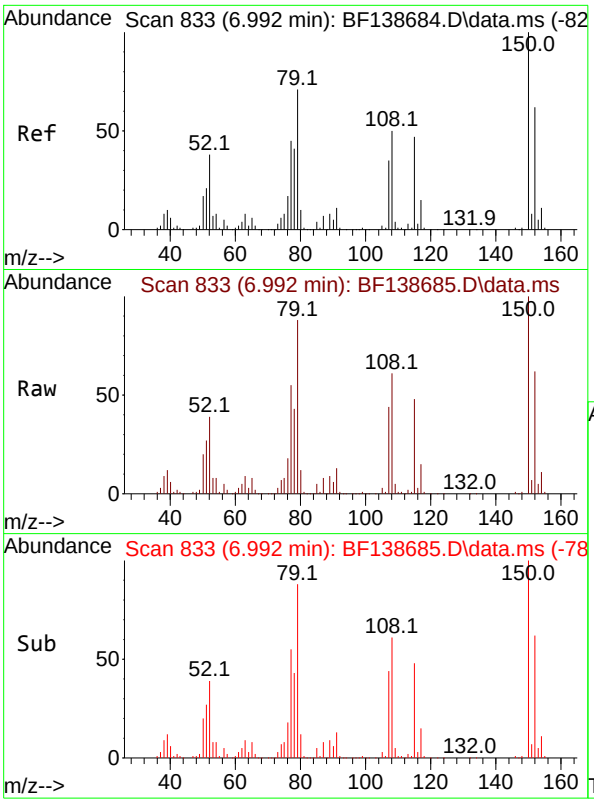


#14
1,2-Dichlorobenzene
Concen: 47.188 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:146 Resp: 254151

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	48.2	37.4	56.2



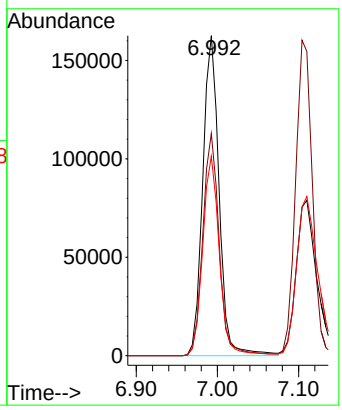


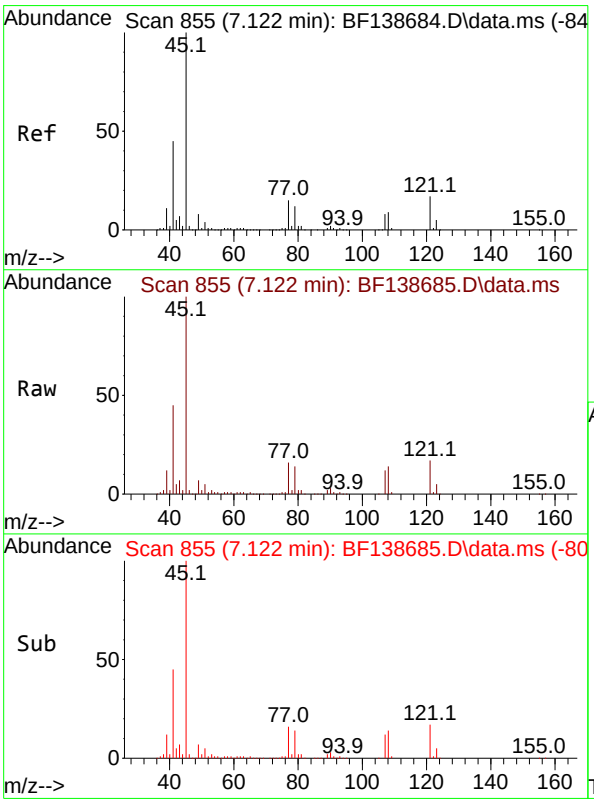
#15
Benzyl Alcohol
Concen: 48.392 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 227061

Ion	Ratio	Lower	Upper
79	100		
108	69.4	56.6	85.0
77	62.3	50.3	75.5

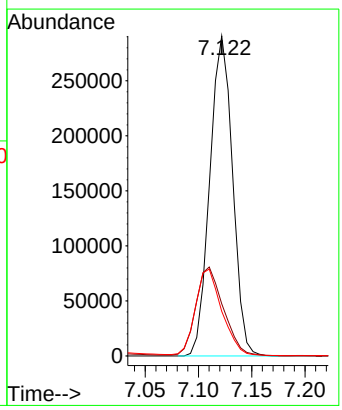


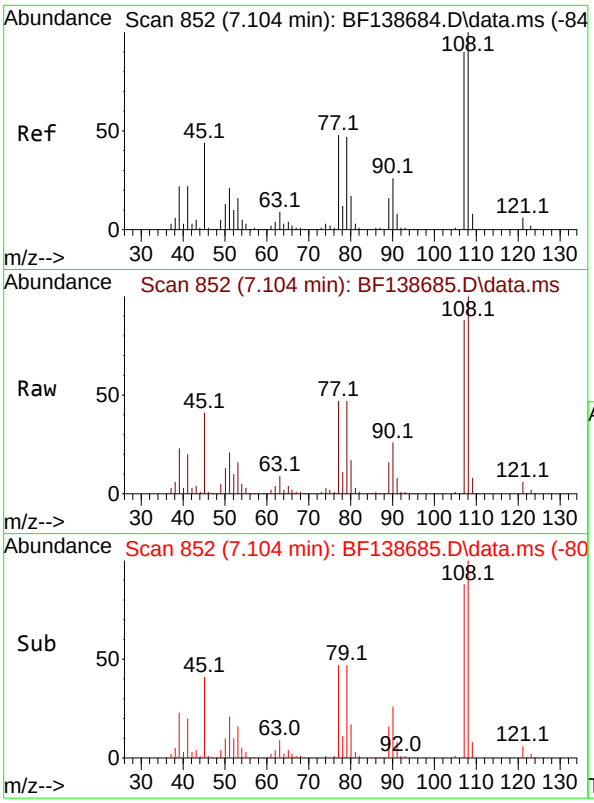


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.646 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 45 Resp: 432504

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	34.9
79	13.9	0.0	32.2



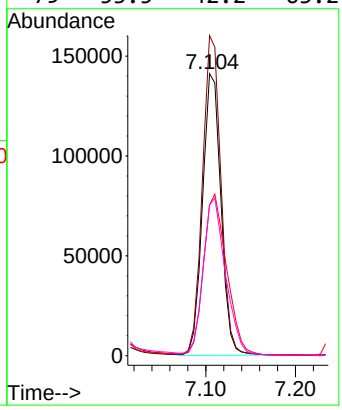


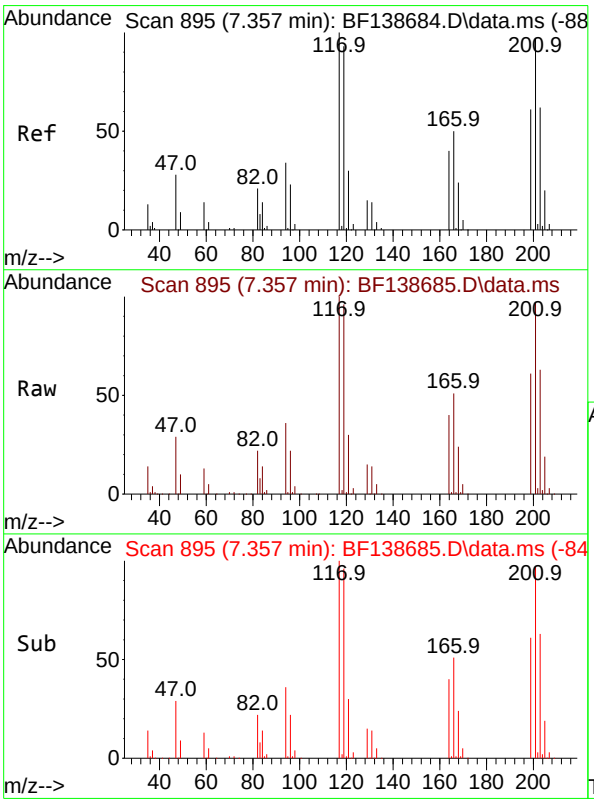
#17
2-Methylphenol
Concen: 47.638 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 200680

Ion	Ratio	Lower	Upper
107	100		
108	113.5	89.2	133.8
77	53.6	43.0	64.4
79	53.5	42.2	63.2

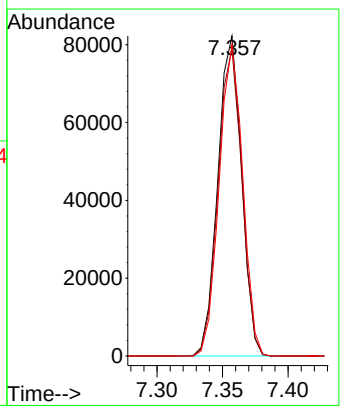


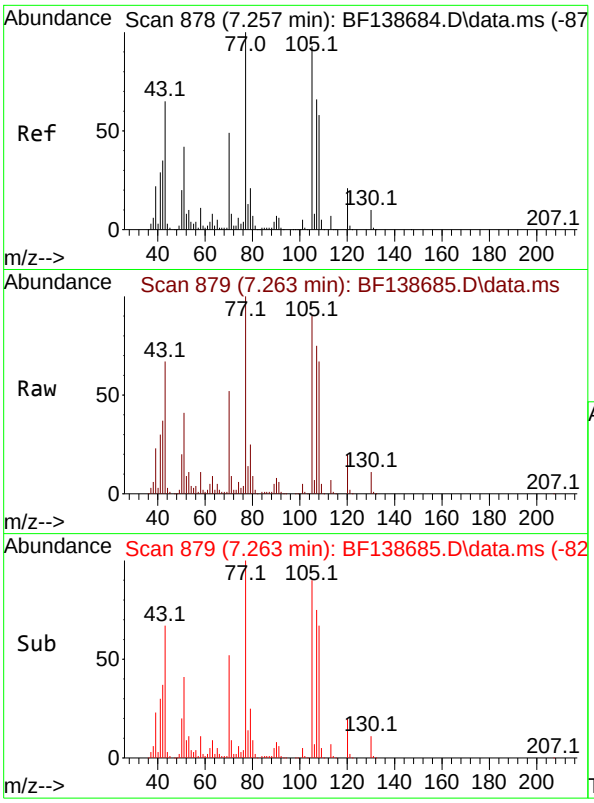


#18
Hexachloroethane
Concen: 47.780 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:117 Resp: 103651

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	111.8
201	97.3	77.2	115.8



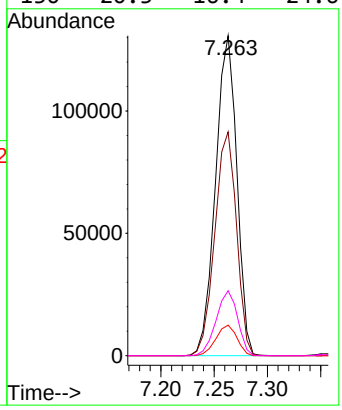


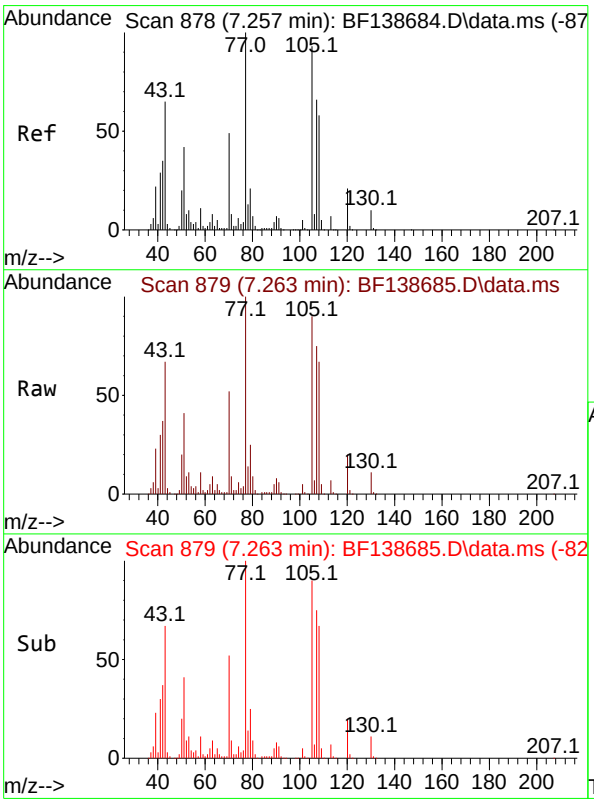
#19
n-Nitroso-di-n-propylamine
Concen: 46.154 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 181478

Ion	Ratio	Lower	Upper
70	100		
42	69.9	57.4	86.0
101	9.6	7.5	11.3
130	20.3	16.4	24.6

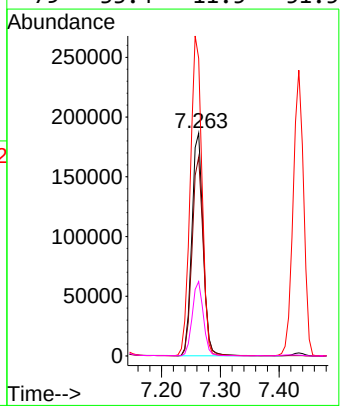


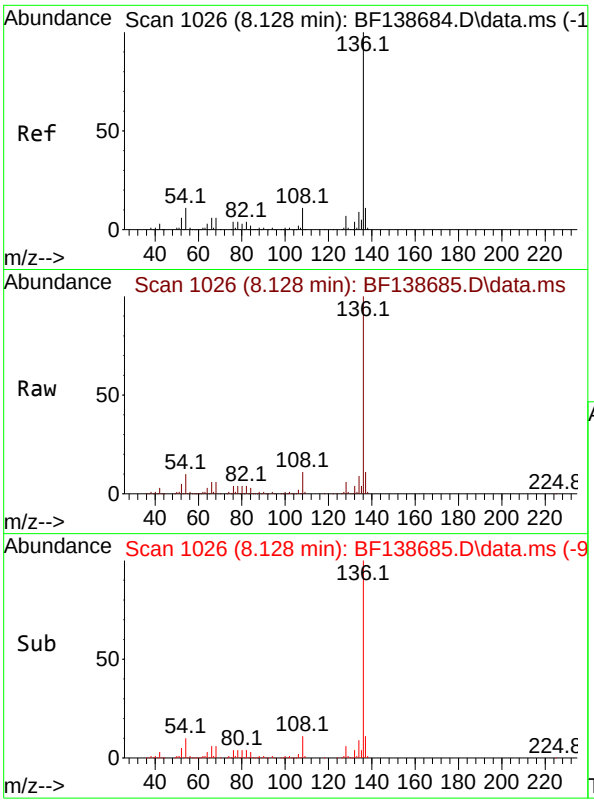


#20
3+4-Methylphenols
Concen: 45.970 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:107 Resp: 248467

Ion	Ratio	Lower	Upper
107	100		
108	89.3	68.2	108.2
77	133.6	132.1	172.1
79	33.4	11.5	51.5



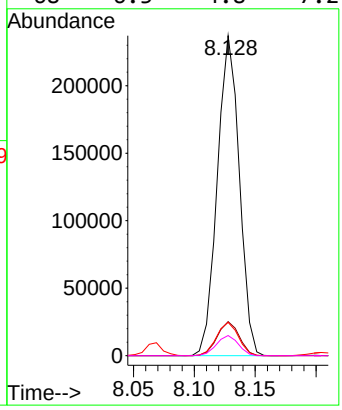


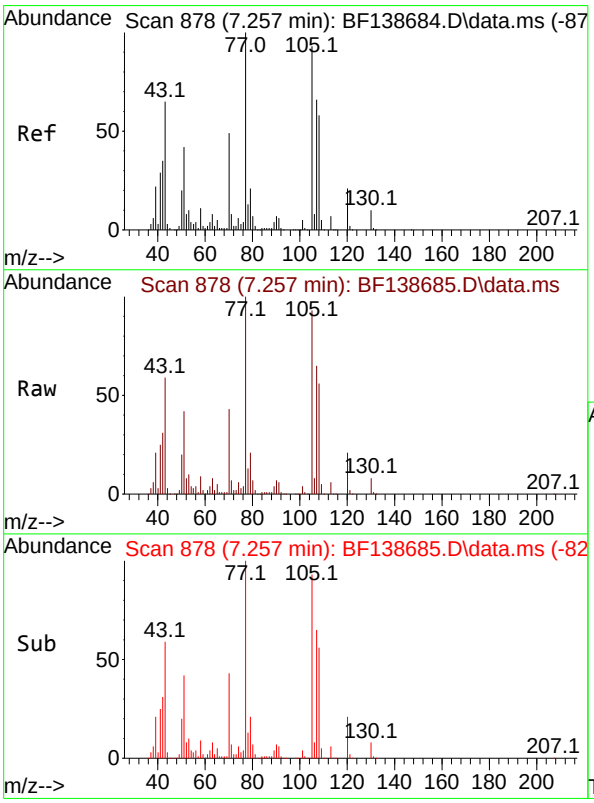
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 297858

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.4	8.6	12.8
68	6.3	4.8	7.2

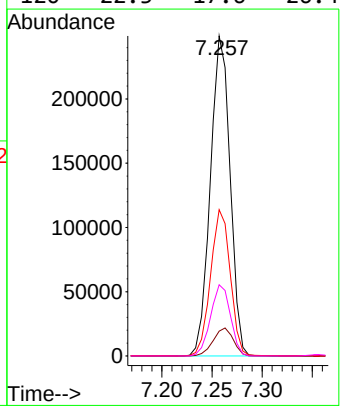


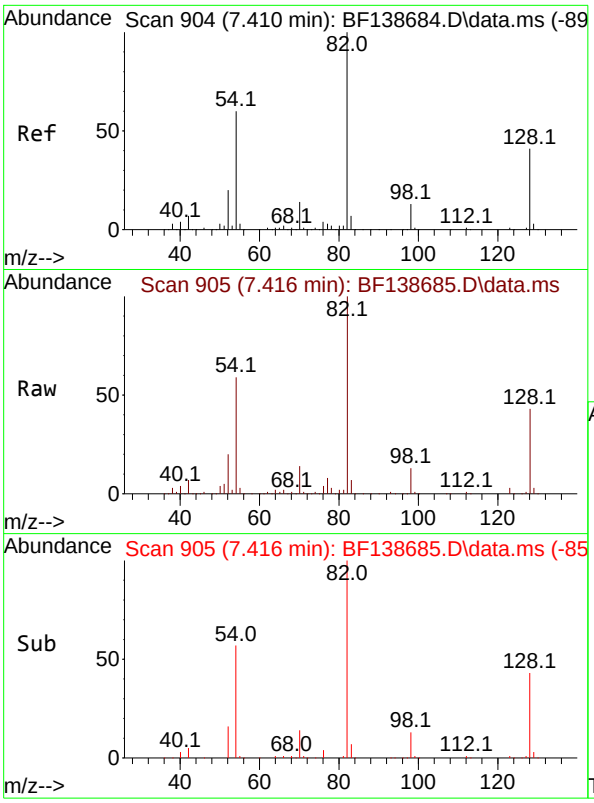


#22
Acetophenone
Concen: 46.663 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:105 Resp: 340314

Ion	Ratio	Lower	Upper
105	100		
71	7.7	7.2	10.8
51	45.7	35.9	53.9
120	22.3	17.6	26.4



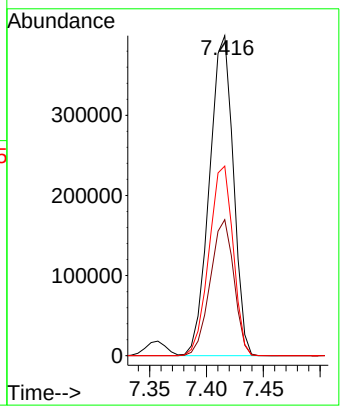


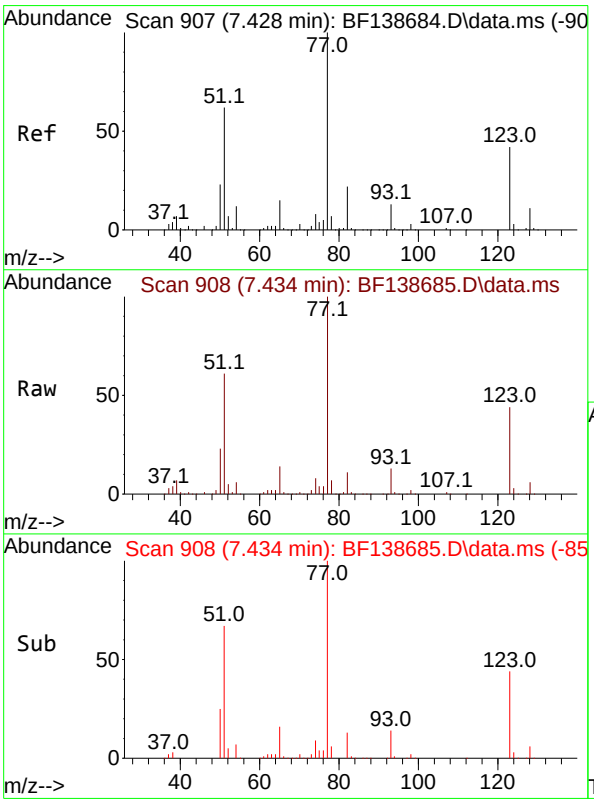
#23
Nitrobenzene-d5
Concen: 96.067 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 585266

Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.8	49.2
54	59.3	48.3	72.5

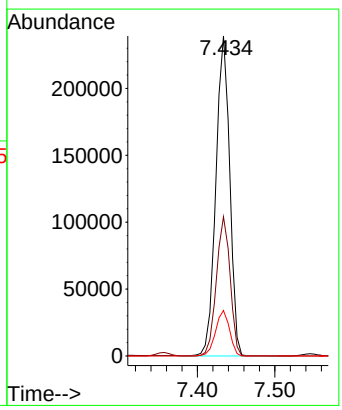


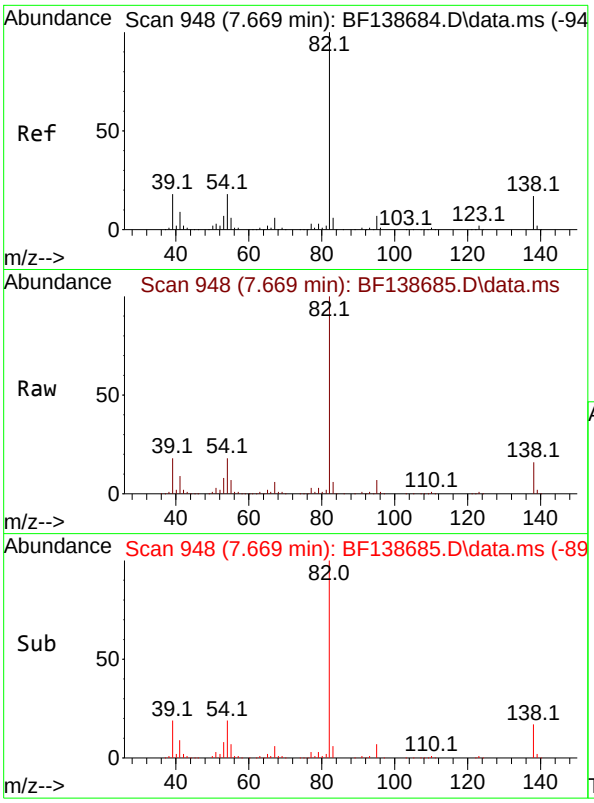


#24
Nitrobenzene
Concen: 48.005 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 77 Resp: 297595

Ion	Ratio	Lower	Upper
77	100		
123	43.5	33.3	49.9
65	14.2	11.9	17.9



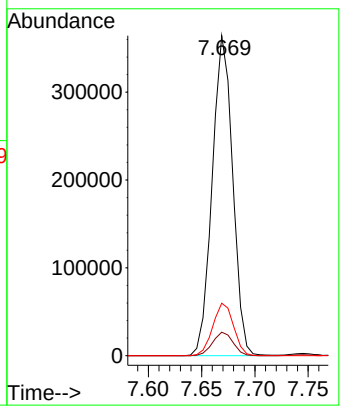


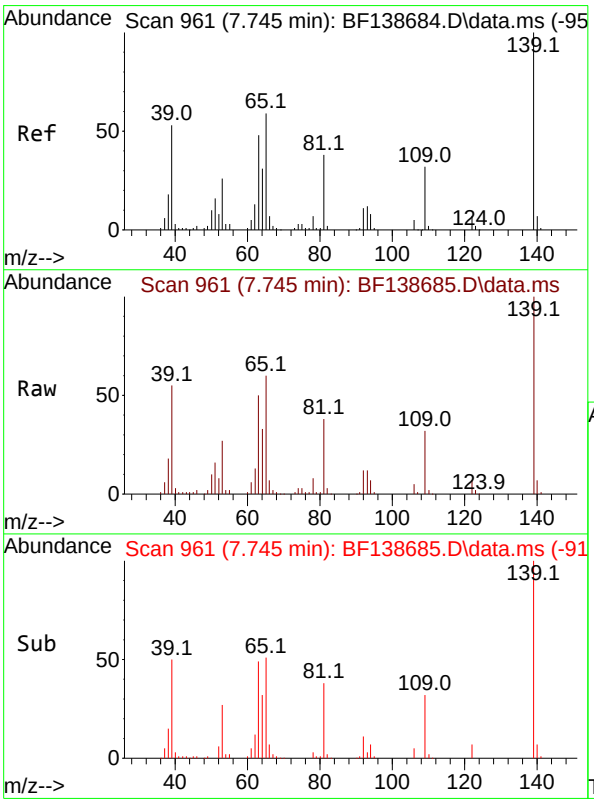
#25
Isophorone
Concen: 46.876 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 487636

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	16.4	13.7	20.5

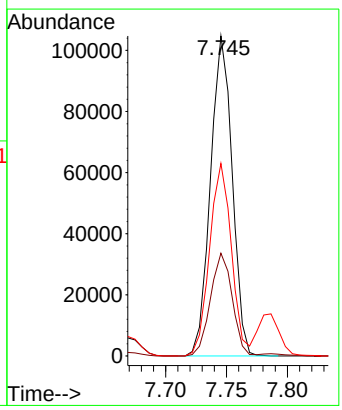


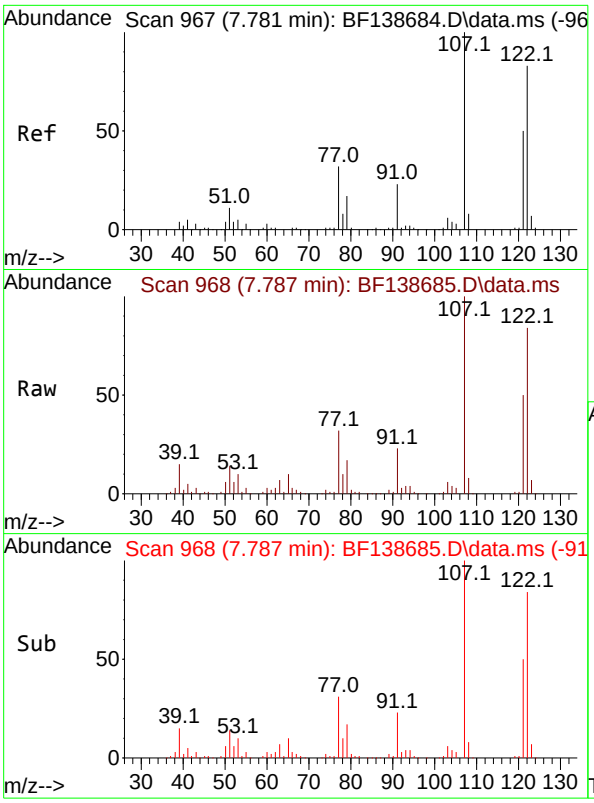


#26
2-Nitrophenol
Concen: 48.769 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:139 Resp: 130074

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.9	38.9
65	60.1	47.0	70.6



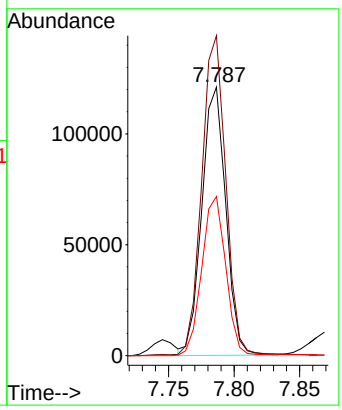


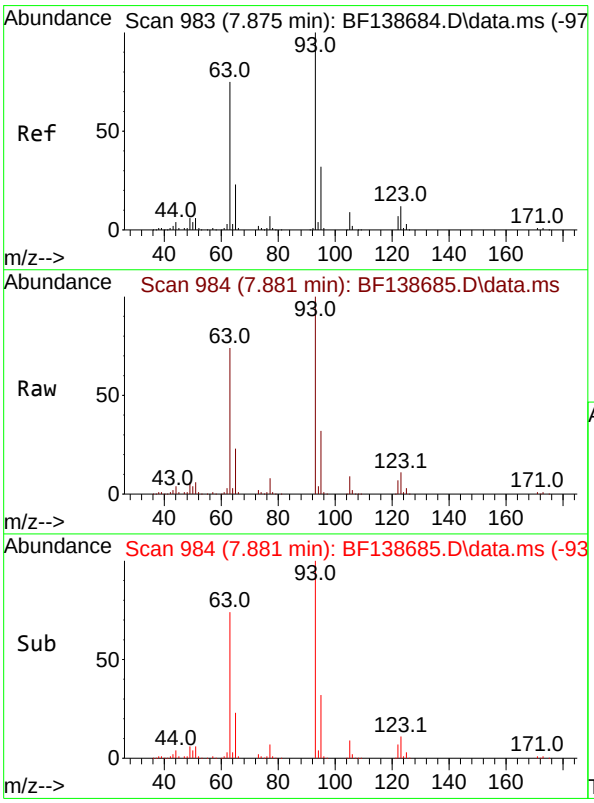
#27
2,4-Dimethylphenol
Concen: 48.328 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 154221

Ion	Ratio	Lower	Upper
122	100		
107	119.1	95.0	142.6
121	59.3	47.3	70.9

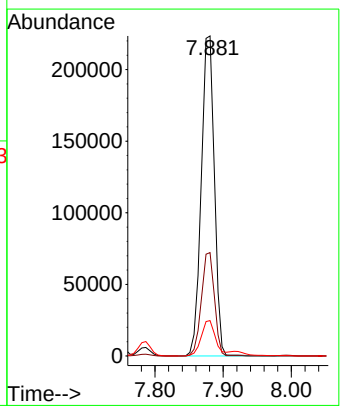


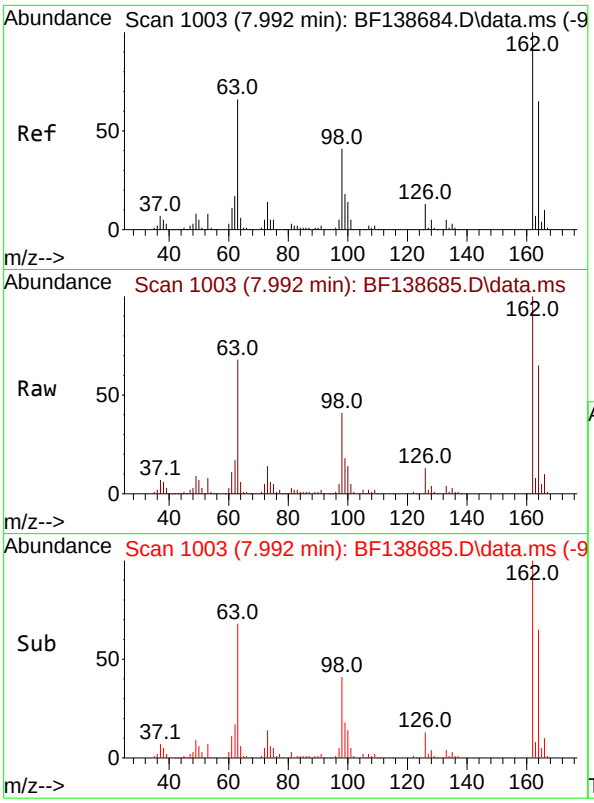


#28
bis(2-Chloroethoxy)methane
Concen: 47.308 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 93 Resp: 299695

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.1	9.4	14.0



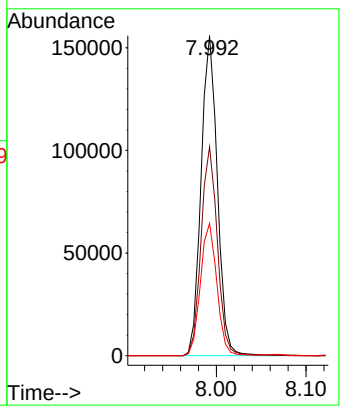


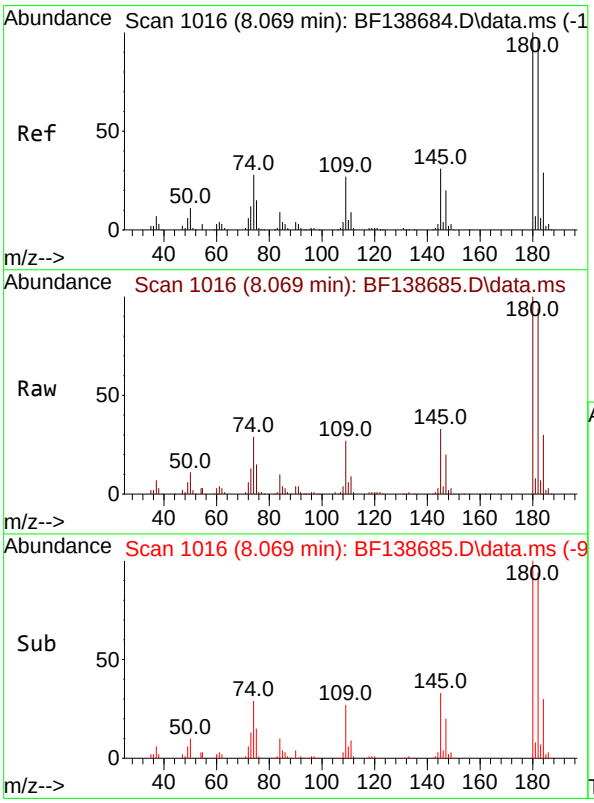
#29
2,4-Dichlorophenol
Concen: 47.954 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 196641

Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.7	84.7
98	41.4	20.8	60.8

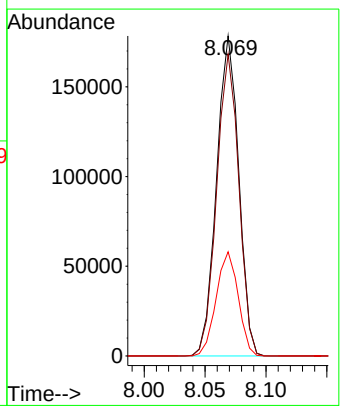


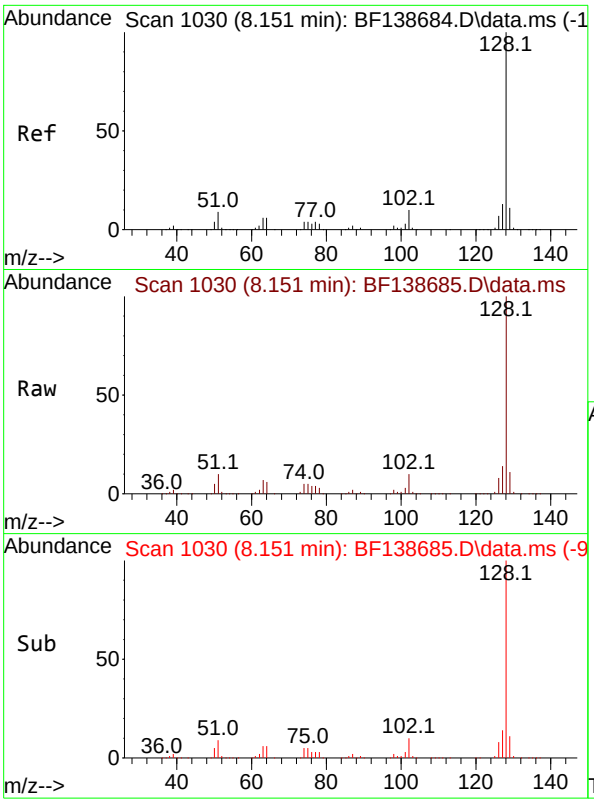


#30
1,2,4-Trichlorobenzene
Concen: 47.793 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:180 Resp: 226165

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
145	32.5	25.0	37.4



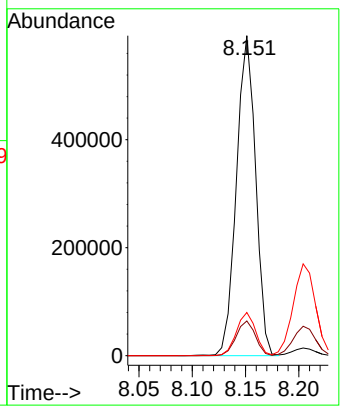


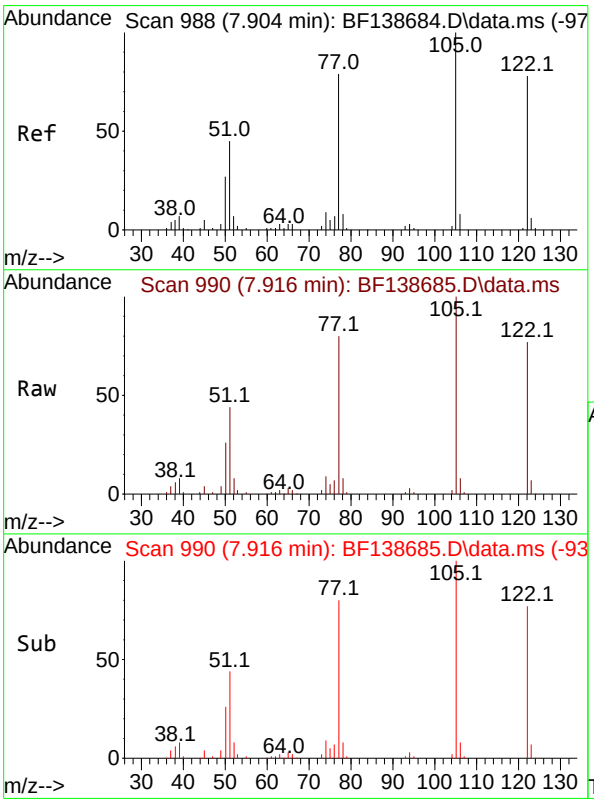
#31
Naphthalene
Concen: 47.479 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 744393

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.6	16.0

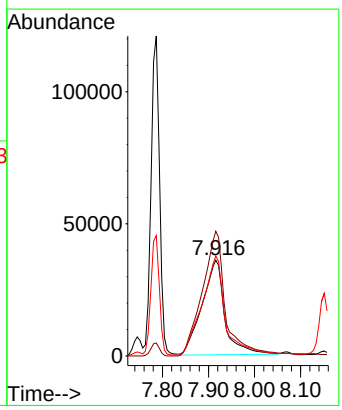


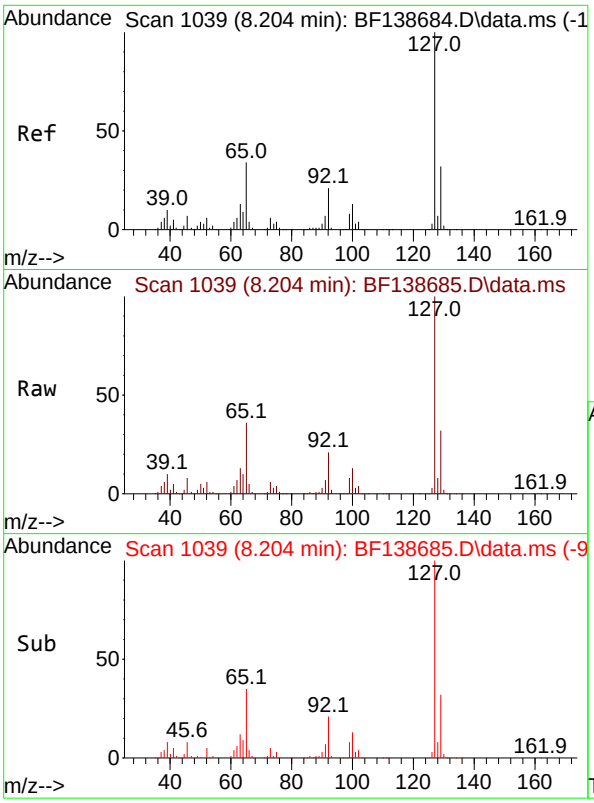


#32
Benzoic acid
Concen: 49.340 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:122 Resp: 123714

Ion	Ratio	Lower	Upper
122	100		
105	130.0	106.7	146.7
77	104.4	81.1	121.1



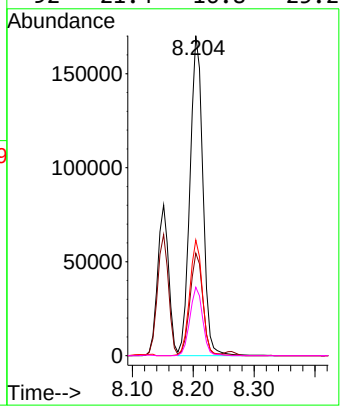


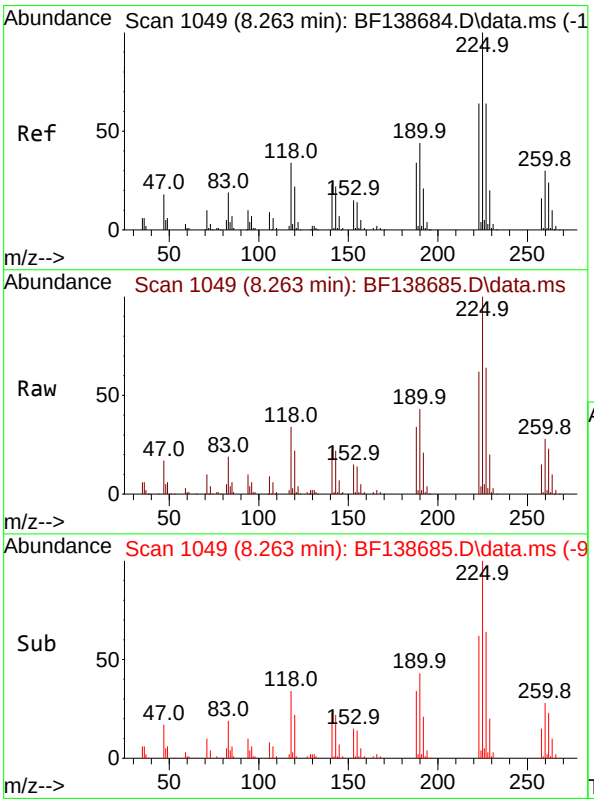
#33
4-Chloroaniline
Concen: 47.621 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 250620

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	36.2	27.6	41.4
92	21.4	16.8	25.2

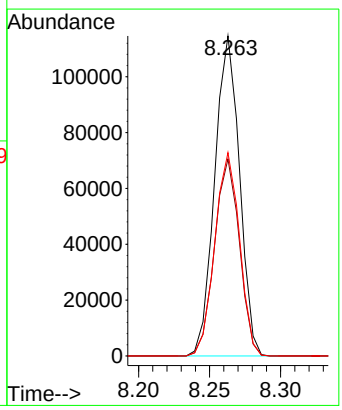


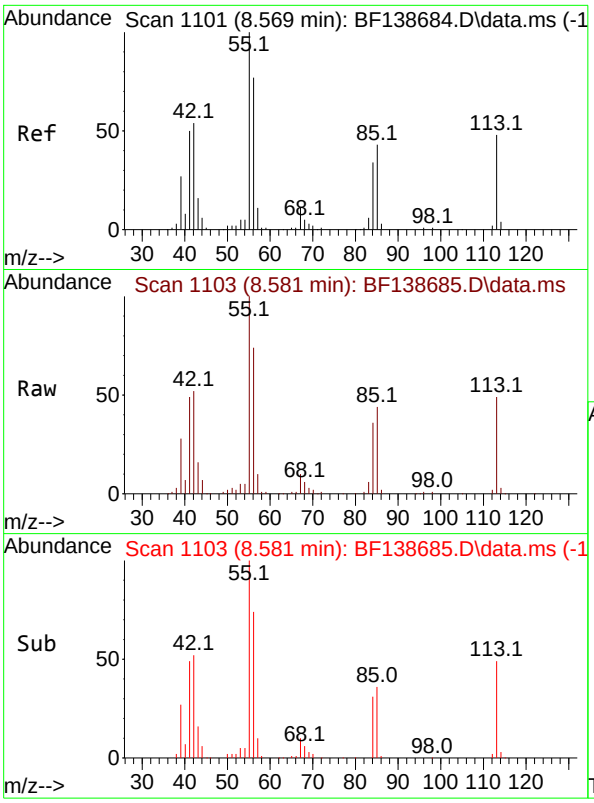


#34
Hexachlorobutadiene
Concen: 48.493 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:225 Resp: 138993

Ion	Ratio	Lower	Upper
225	100		
223	61.5	51.2	76.8
227	63.6	51.1	76.7



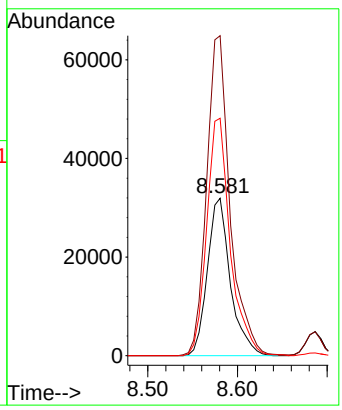


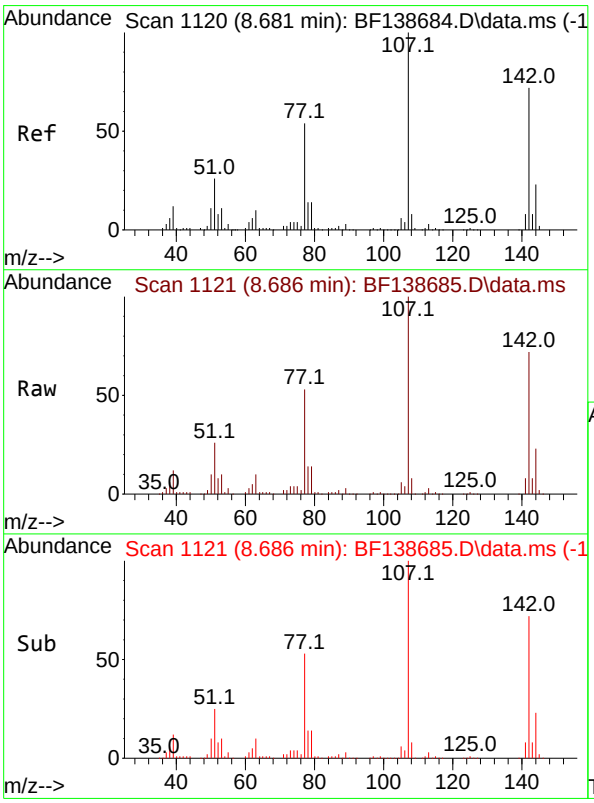
#35
Caprolactam
Concen: 46.347 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 56708

Ion	Ratio	Lower	Upper
113	100		
55	203.2	186.7	226.7
56	150.8	138.9	178.9

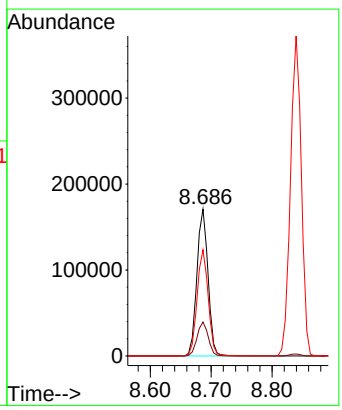


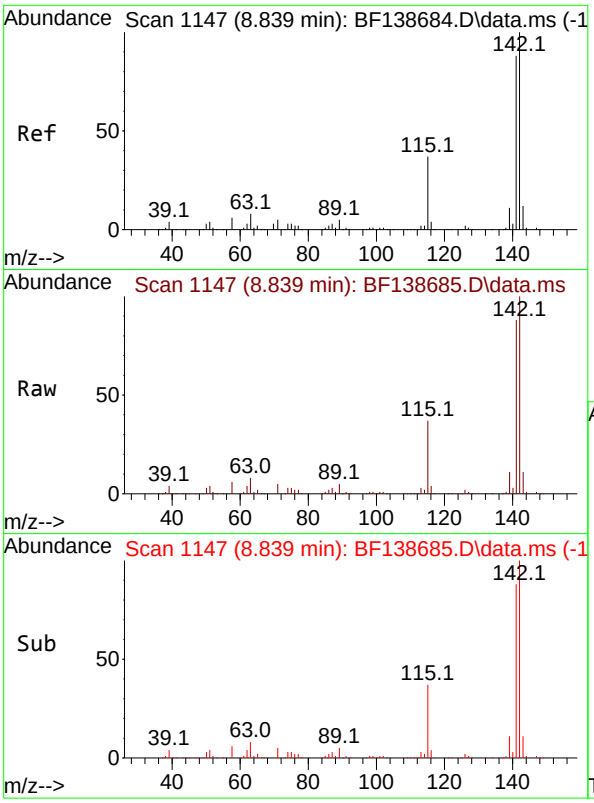


#36
4-Chloro-3-methylphenol
Concen: 46.151 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:107 Resp: 216280

Ion	Ratio	Lower	Upper
107	100		
144	23.2	18.2	27.2
142	72.3	57.4	86.2



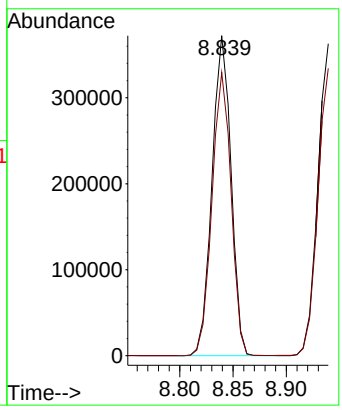


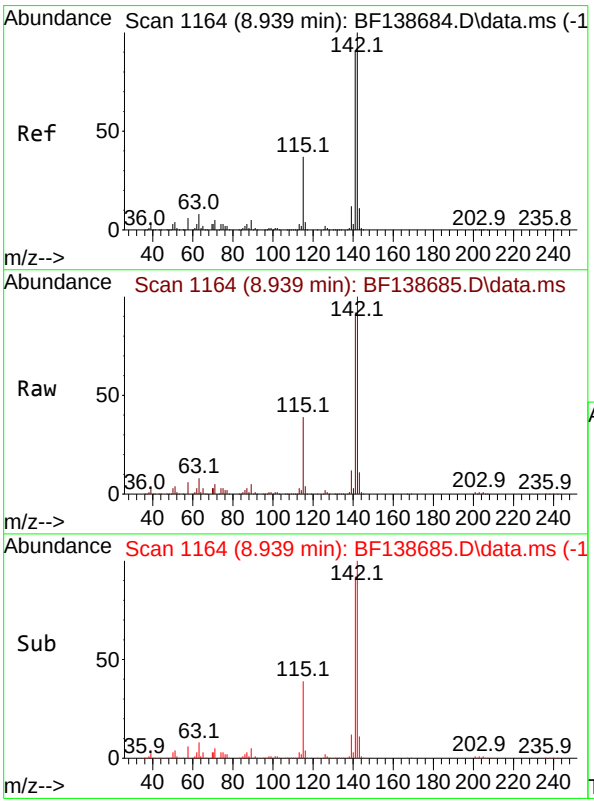
#37
2-Methylnaphthalene
Concen: 46.570 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 461125

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

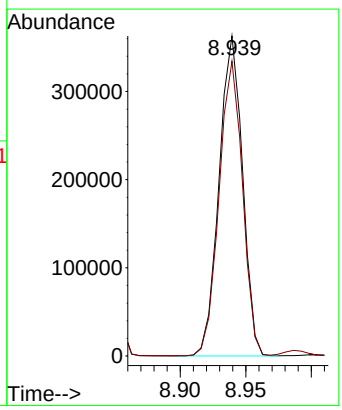


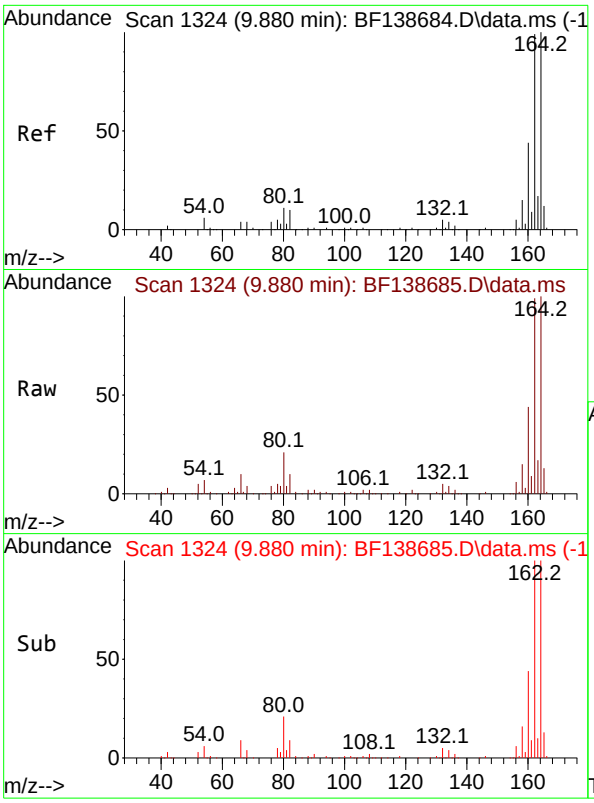


#38
1-Methylnaphthalene
Concen: 46.476 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:142 Resp: 450948

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7



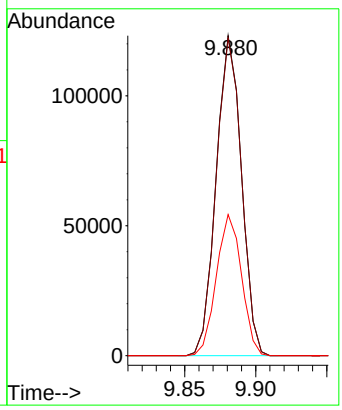


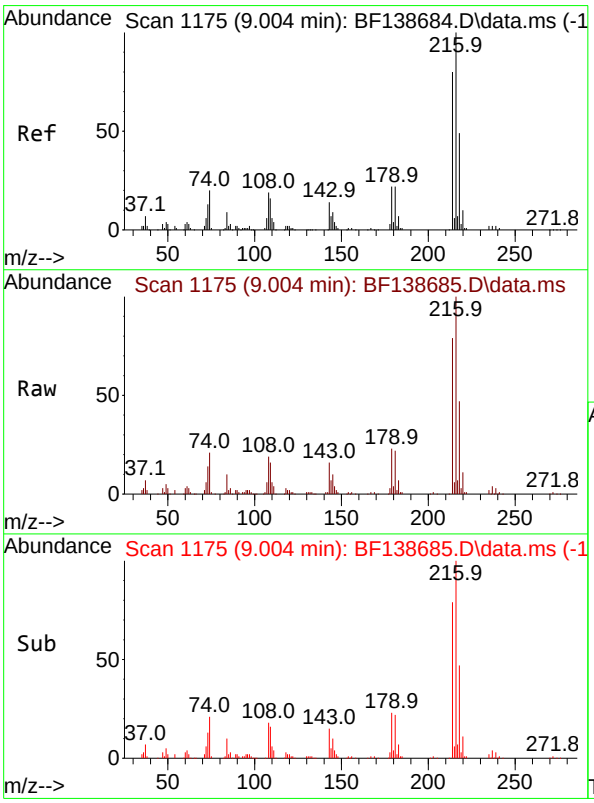
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 152426

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	44.1	35.1	52.7

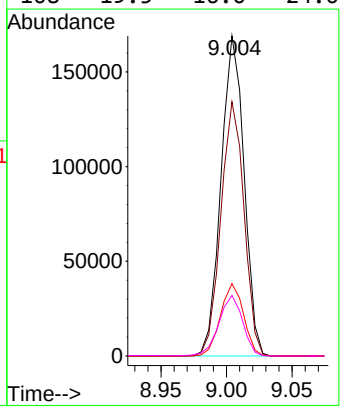


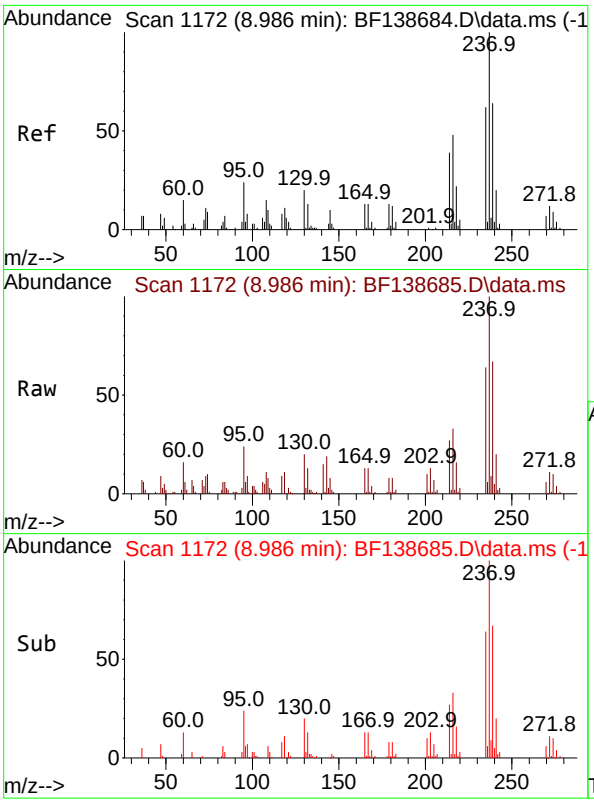


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.789 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:216 Resp: 206585

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.9	95.9
179	22.5	17.8	26.6
108	19.5	16.0	24.0



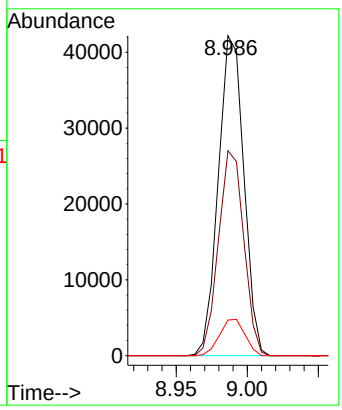


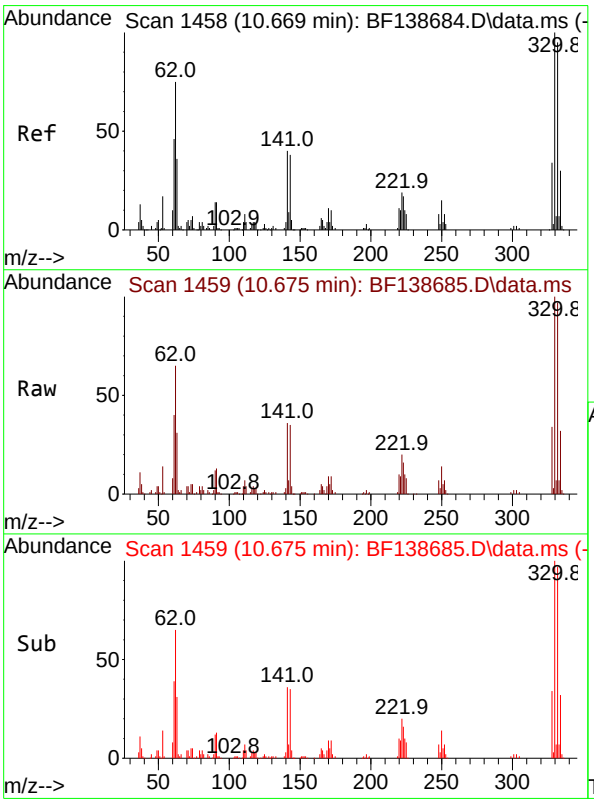
#41
Hexachlorocyclopentadiene
Concen: 49.894 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 52700

Ion	Ratio	Lower	Upper
237	100		
235	64.1	41.8	81.8
272	11.1	0.0	32.2

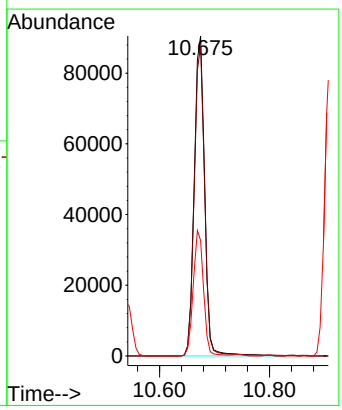


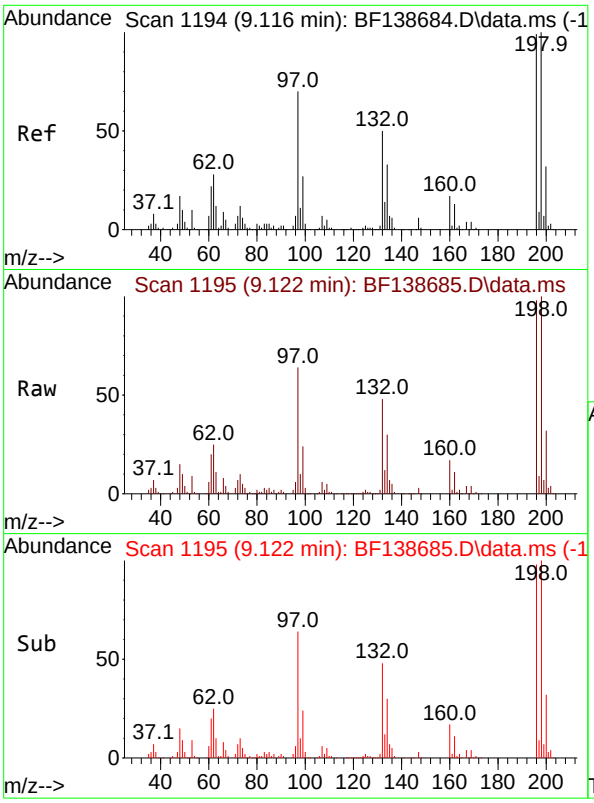


#42
2,4,6-Tribromophenol
Concen: 95.358 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:330 Resp: 119062

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.4	114.6
141	38.7	31.1	46.7



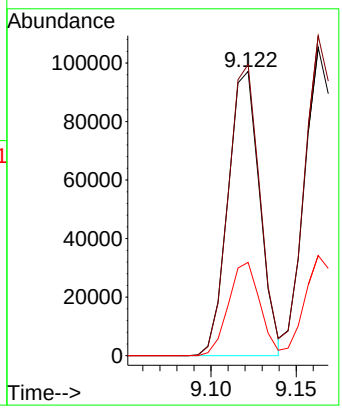


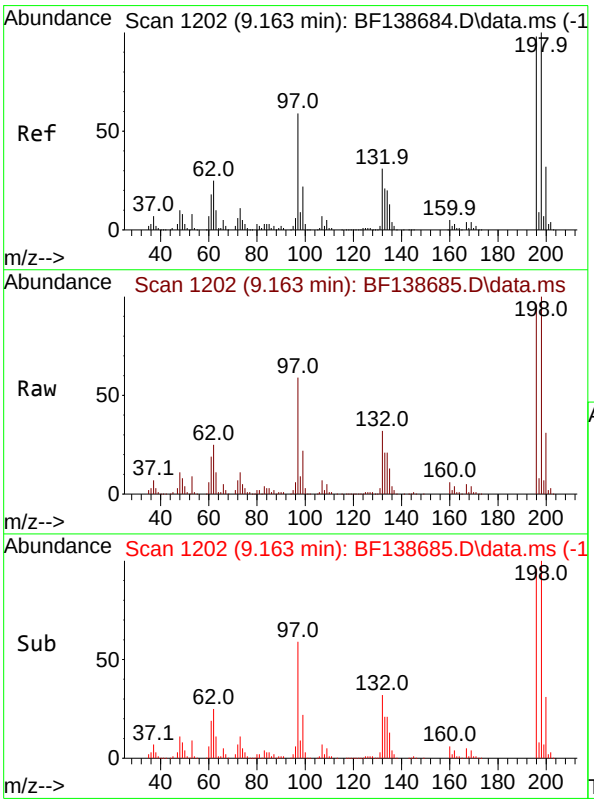
#43
2,4,6-Trichlorophenol
Concen: 48.741 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 125832

Ion	Ratio	Lower	Upper
196	100		
198	102.4	80.5	120.7
200	32.8	25.9	38.9

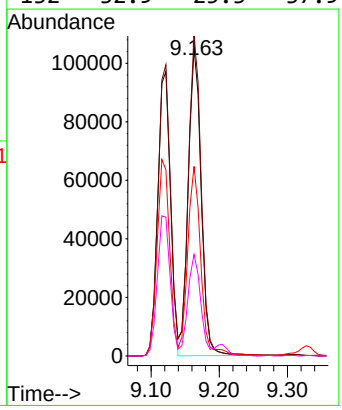


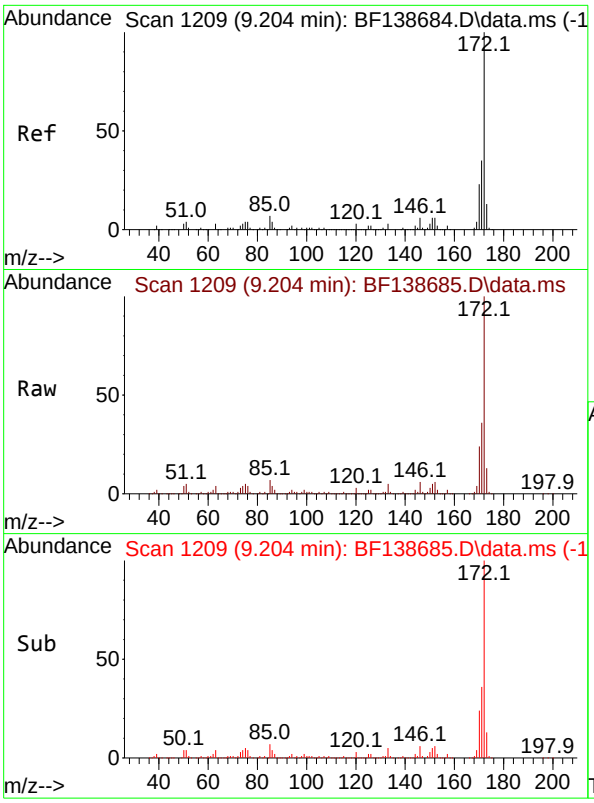


#44
2,4,5-Trichlorophenol
Concen: 48.726 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:196 Resp: 137518

Ion	Ratio	Lower	Upper
196	100		
198	103.8	81.2	121.8
97	61.5	47.8	71.6
132	32.9	25.3	37.9



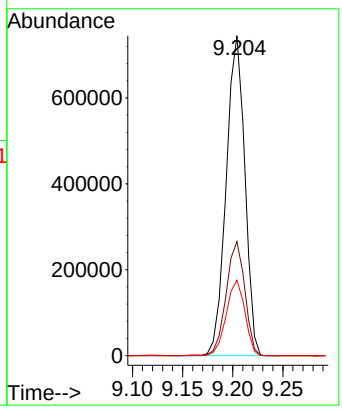


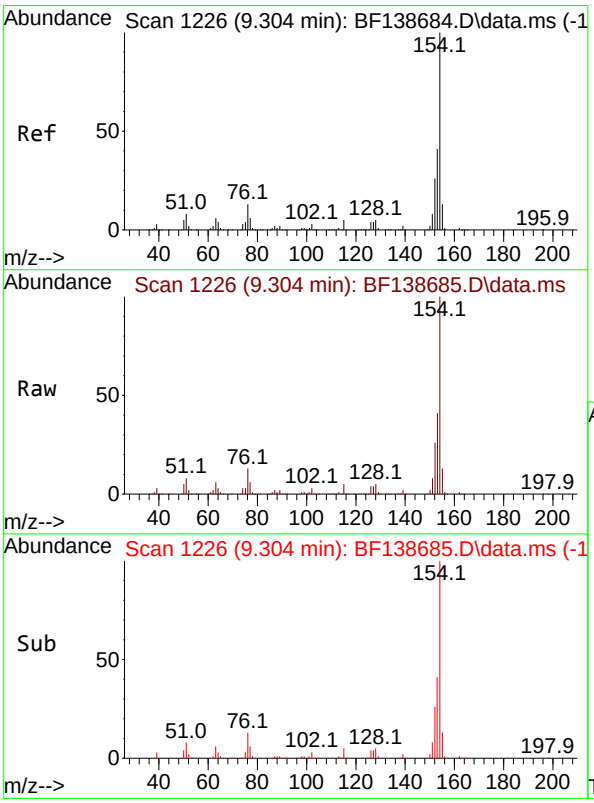
#45
2-Fluorobiphenyl
Concen: 94.693 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 960645

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.6	18.8	28.2

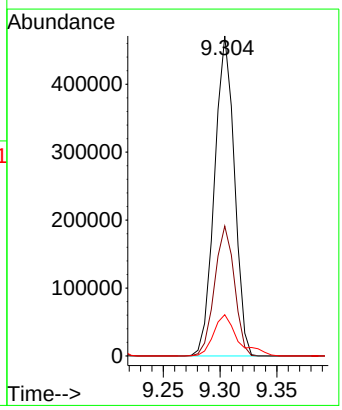


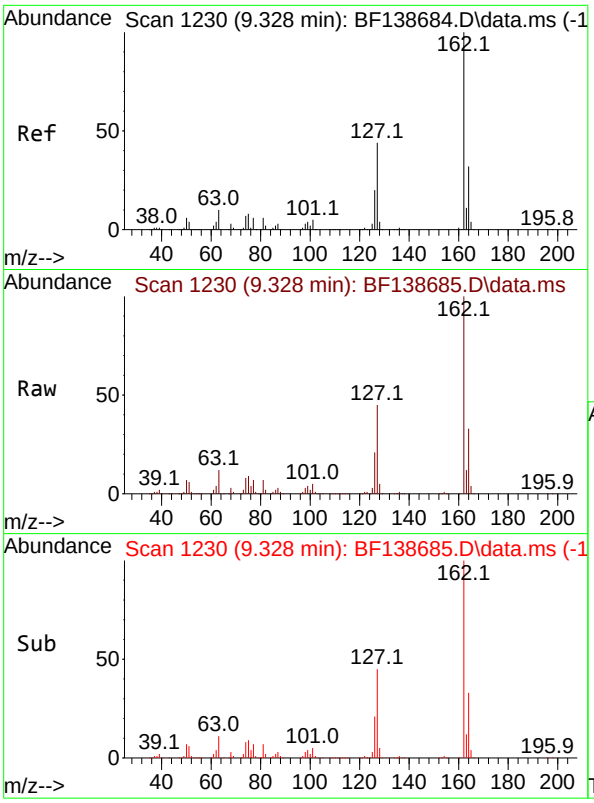


#46
1,1'-Biphenyl
Concen: 48.107 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:154 Resp: 574292

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.8	60.8
76	12.9	0.0	32.8



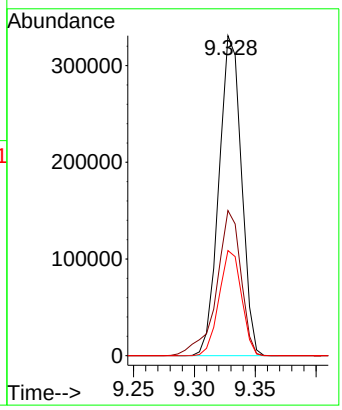


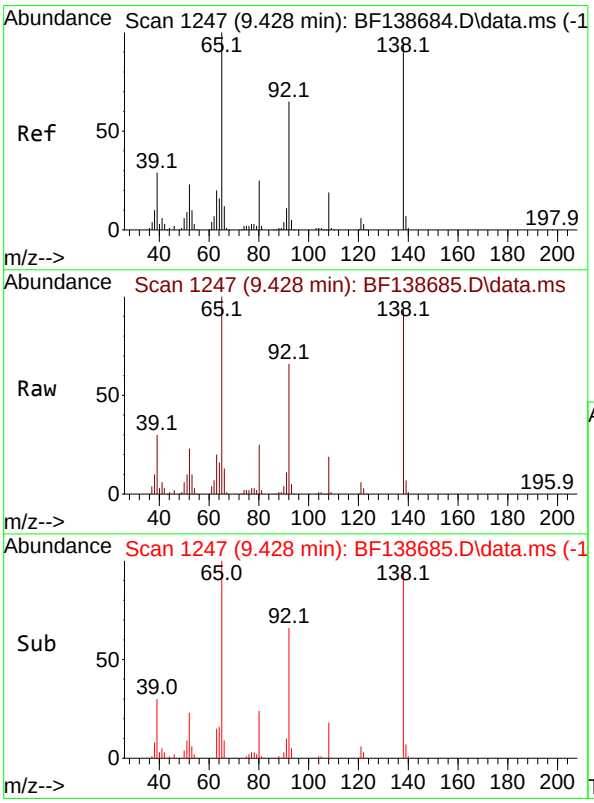
#47
2-Chloronaphthalene
Concen: 48.011 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 426264

Ion	Ratio	Lower	Upper
162	100		
127	45.4	35.4	53.2
164	32.9	25.6	38.4

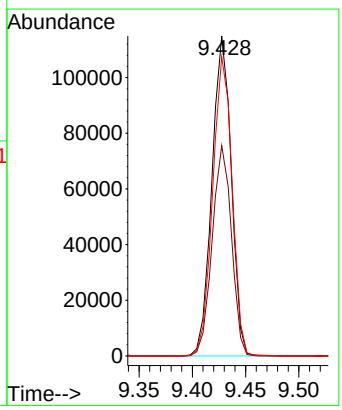


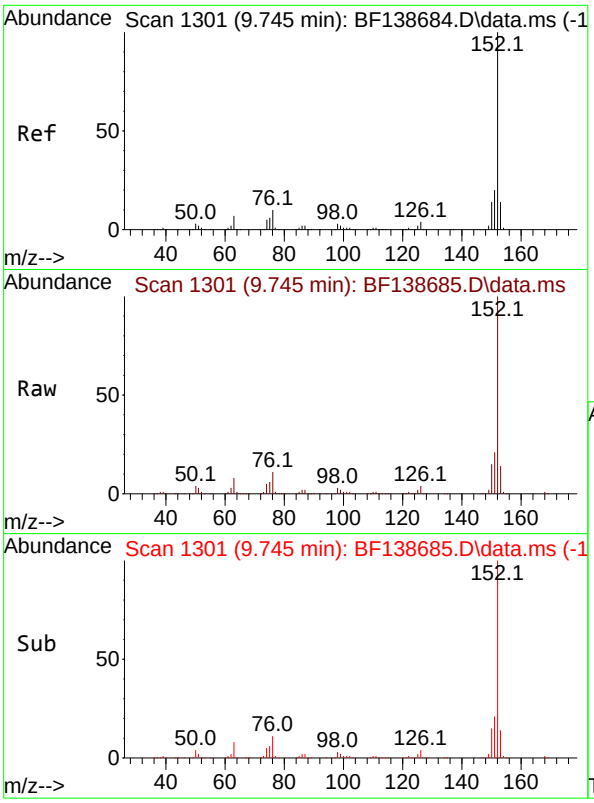


#48
2-Nitroaniline
Concen: 48.087 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion: 65 Resp: 144739

Ion	Ratio	Lower	Upper
65	100		
92	65.7	52.0	78.0
138	93.5	76.2	114.4



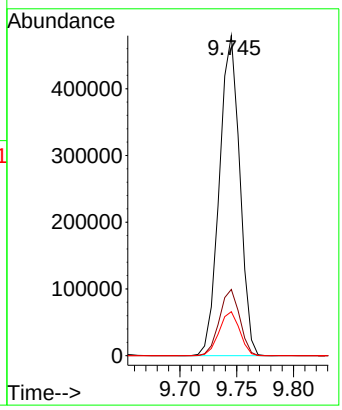


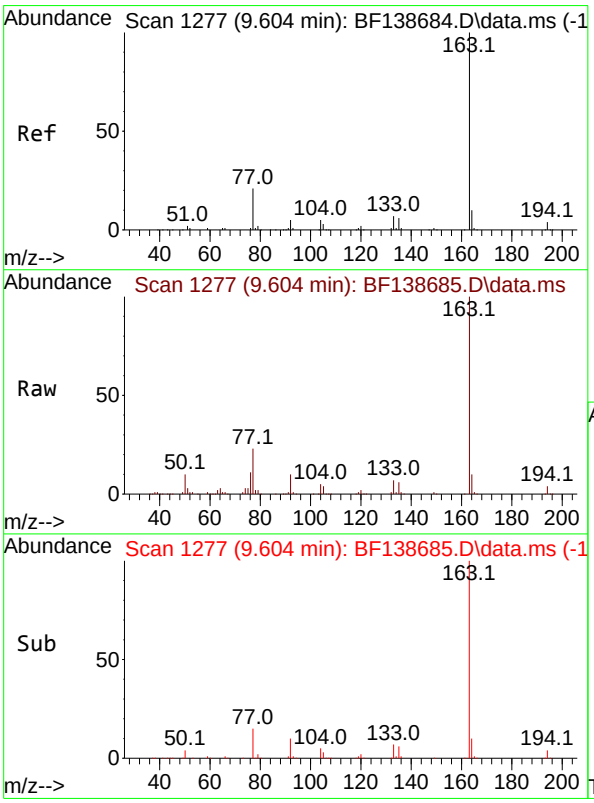
#49
Acenaphthylene
Concen: 47.605 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 599464

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.0	24.0
153	13.8	11.0	16.4

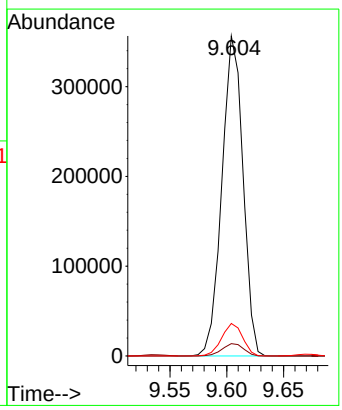


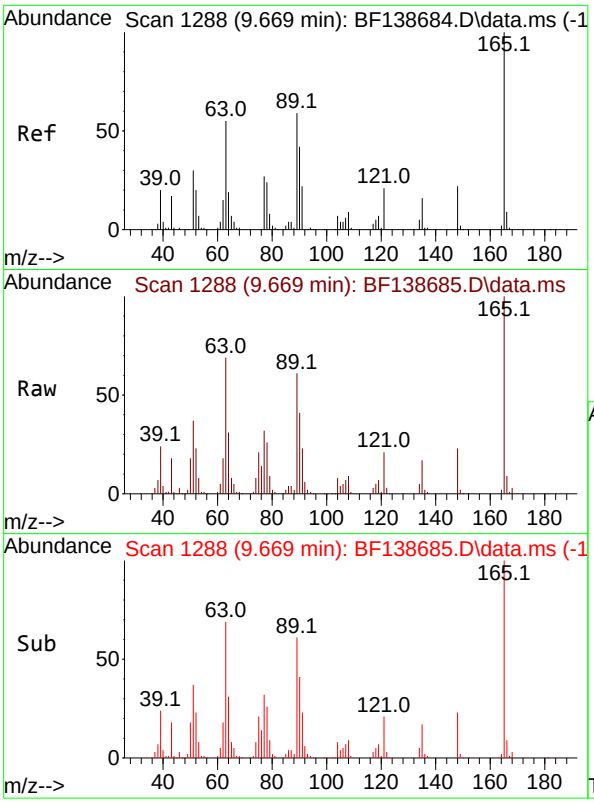


#50
Dimethylphthalate
Concen: 47.244 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:163 Resp: 460459

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.2	7.8	11.8



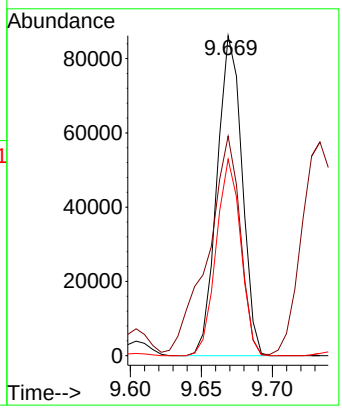


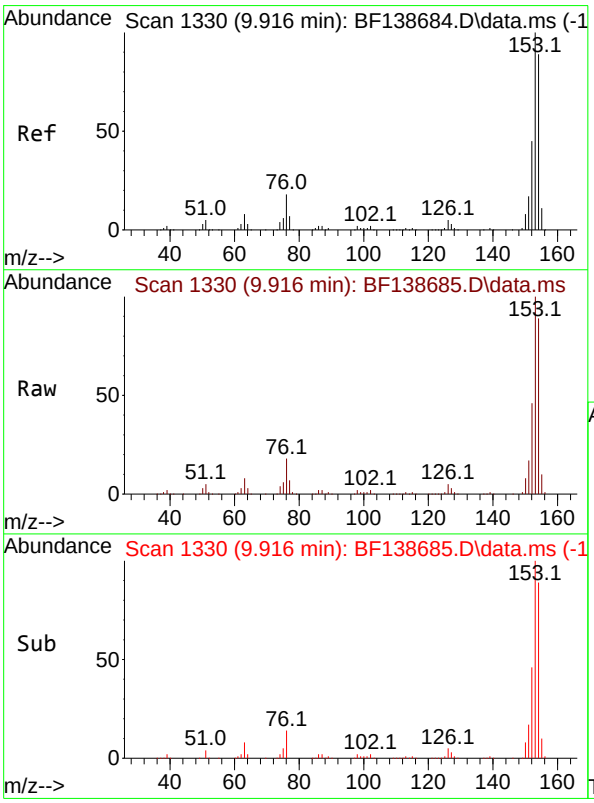
#51
2,6-Dinitrotoluene
Concen: 47.956 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 105483

Ion	Ratio	Lower	Upper
165	100		
63	68.6	52.0	78.0
89	61.4	47.0	70.6

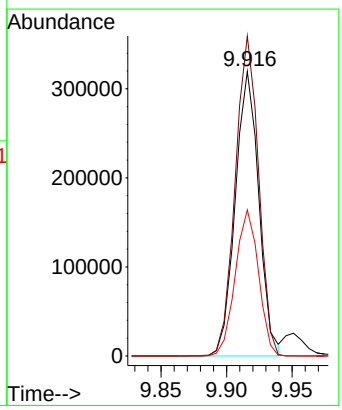


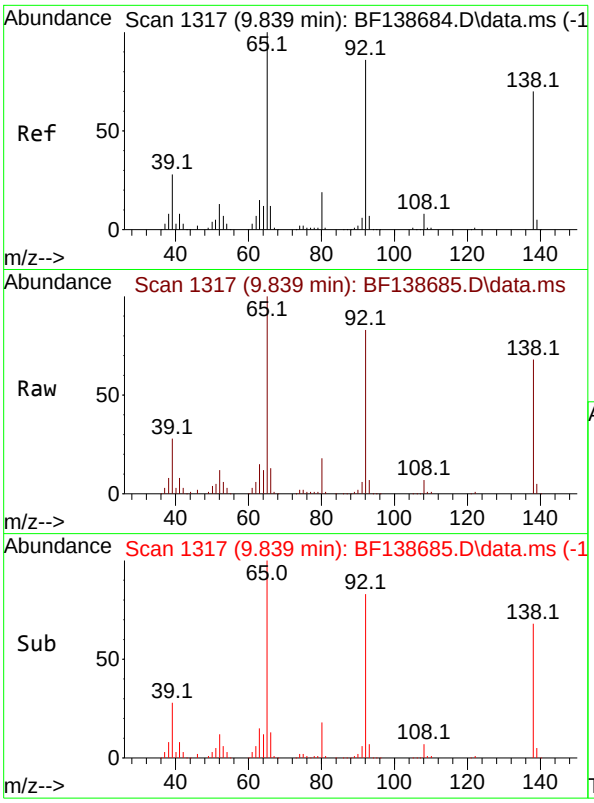


#52
Acenaphthene
Concen: 47.208 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:154 Resp: 399608

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.9	134.9
152	51.3	40.6	60.8



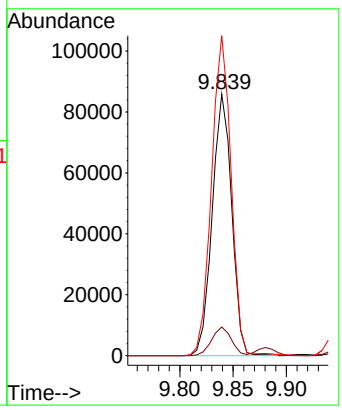


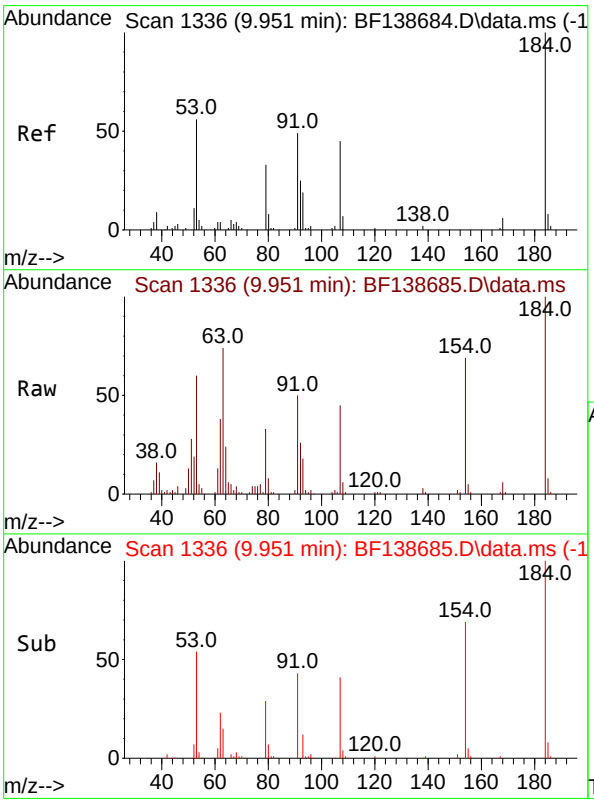
#53
3-Nitroaniline
Concen: 47.915 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 108951

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.1	13.7
92	122.3	98.7	148.1

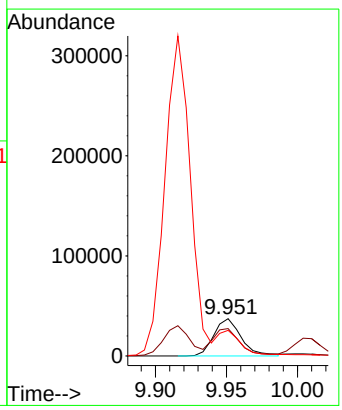


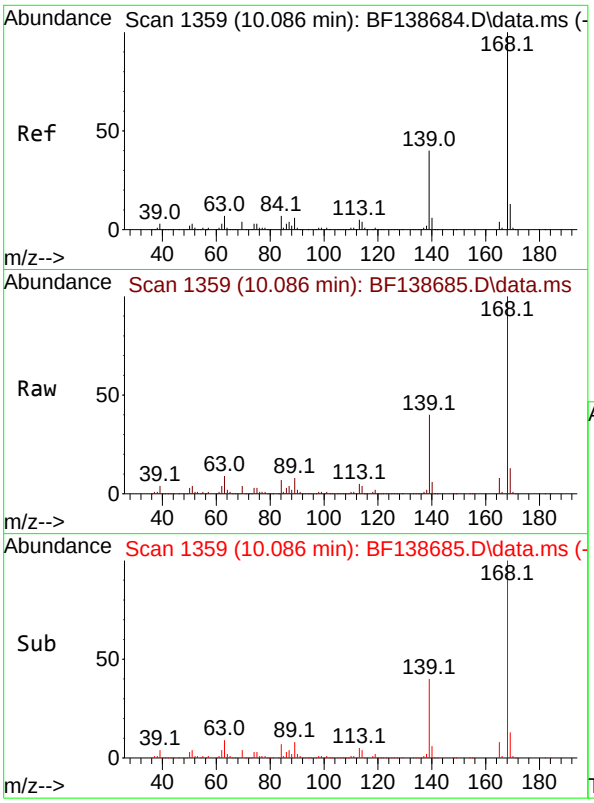


#54
2,4-Dinitrophenol
Concen: 49.361 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:184 Resp: 49980

Ion	Ratio	Lower	Upper
184	100		
63	73.5	57.5	86.3
154	68.7	51.7	77.5



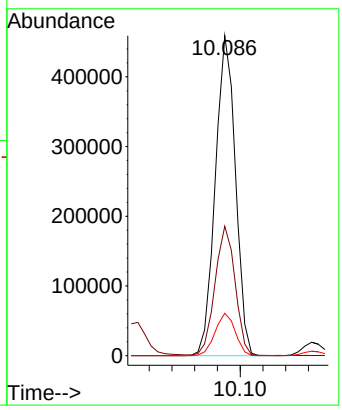


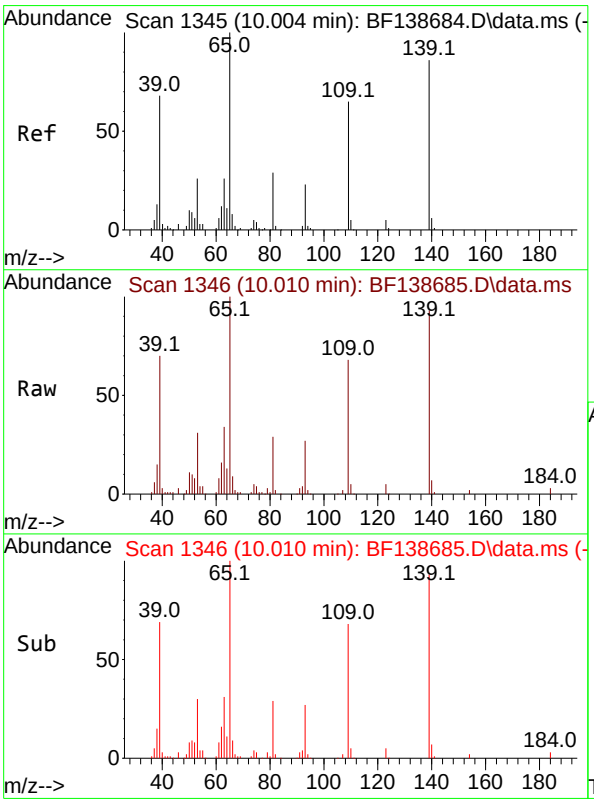
#55
Dibenzofuran
Concen: 47.333 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 565582

Ion	Ratio	Lower	Upper
168	100		
139	40.4	32.6	49.0
169	13.2	10.7	16.1

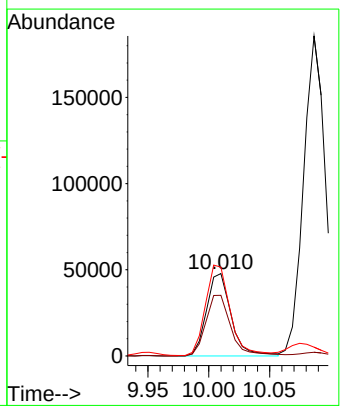


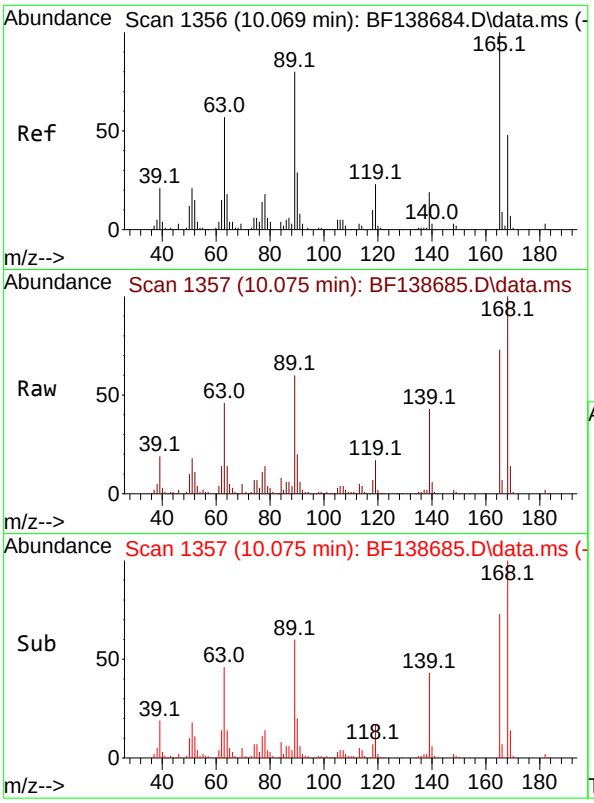


#56
4-Nitrophenol
Concen: 48.943 ng
RT: 10.010 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:139 Resp: 66924

Ion	Ratio	Lower	Upper
139	100		
109	73.8	55.5	95.5
65	107.8	96.7	136.7



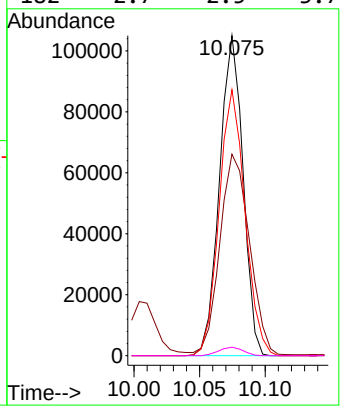


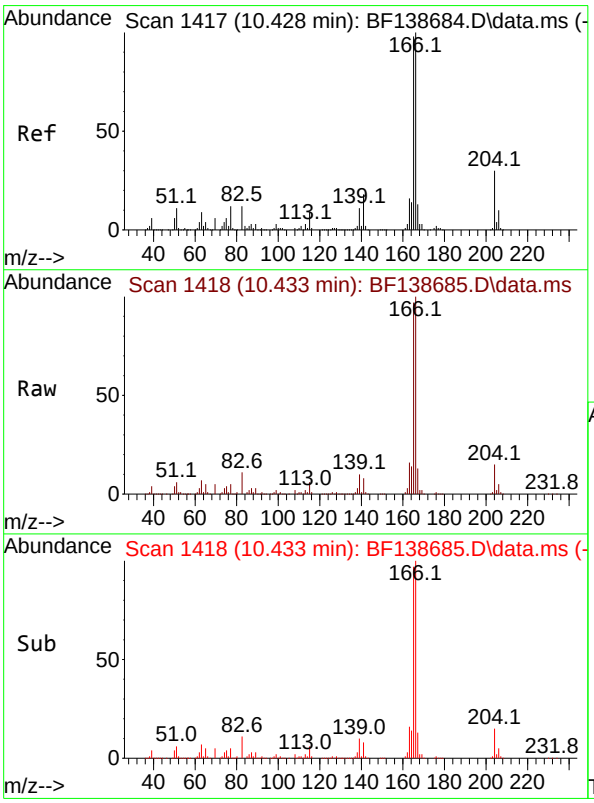
#57
2,4-Dinitrotoluene
Concen: 46.487 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 130457

Ion	Ratio	Lower	Upper
165	100		
63	63.0	46.3	69.5
89	83.1	64.2	96.4
182	2.7	2.5	3.7

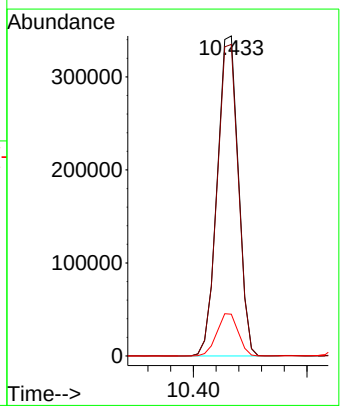


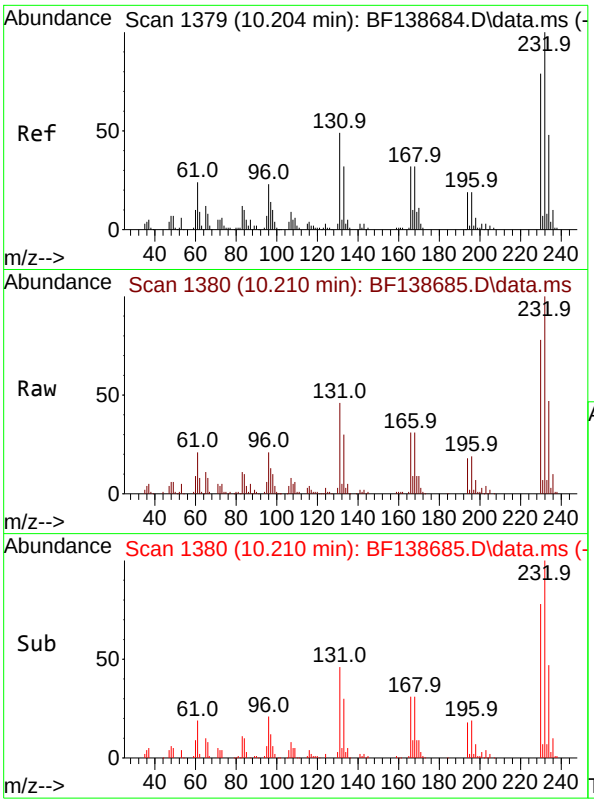


#58
Fluorene
Concen: 46.711 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:166 Resp: 444469

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	13.1	10.6	16.0



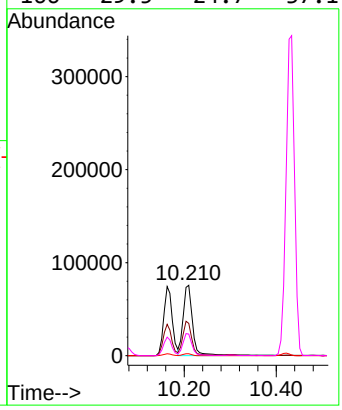


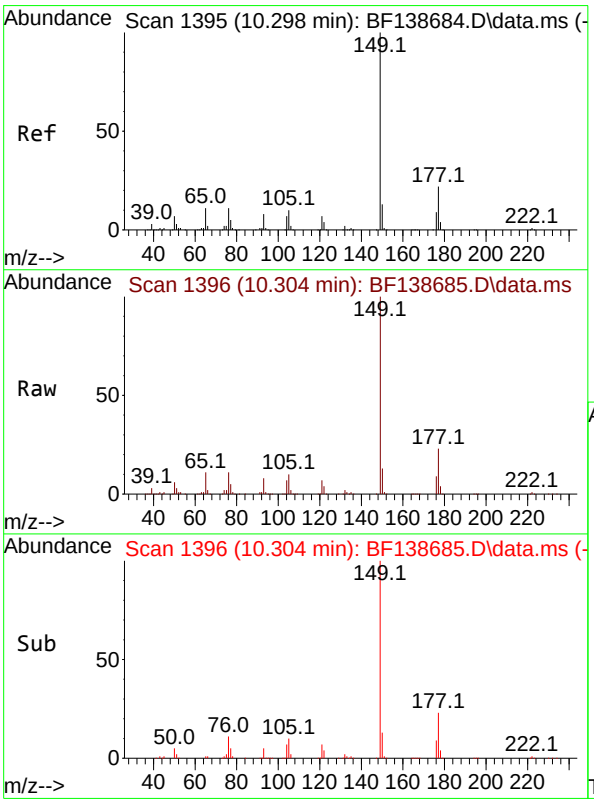
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.402 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 106594

Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.0	55.4
130	2.5	2.0	3.0
166	29.5	24.7	37.1

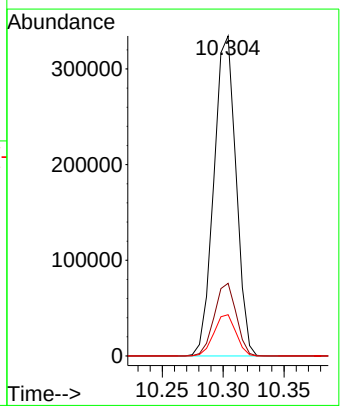


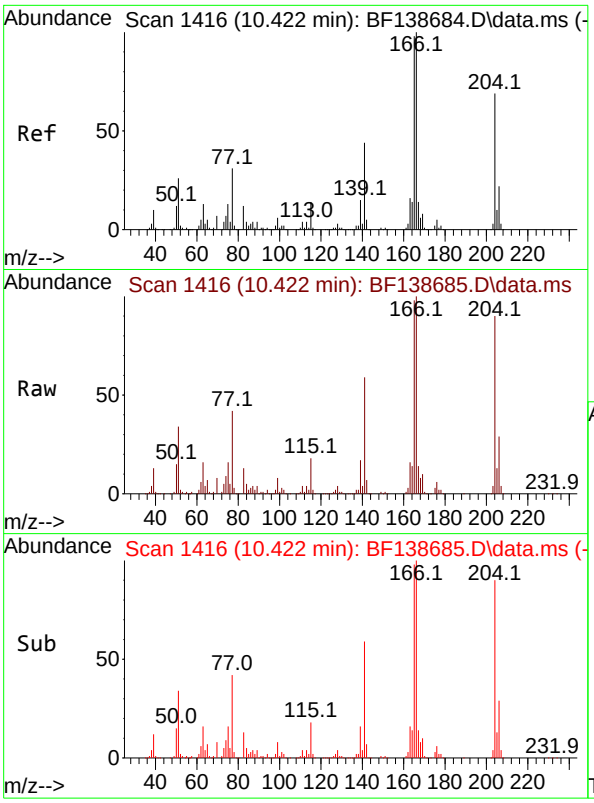


#60
Diethylphthalate
Concen: 45.886 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 424041

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.8	26.8
150	12.9	10.1	15.1



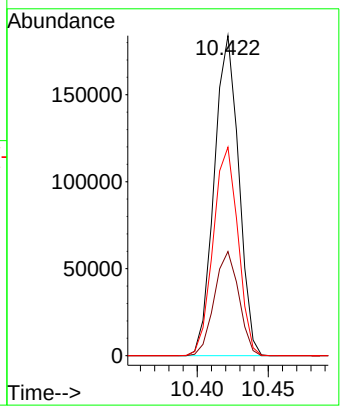


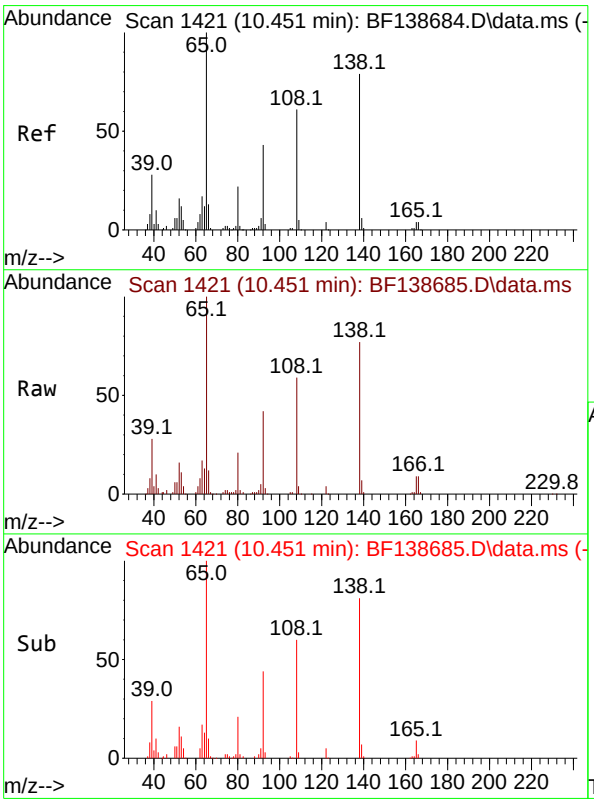
#61
4-Chlorophenyl-phenylether
Concen: 47.209 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 220930

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.1	39.1
141	65.2	51.4	77.0

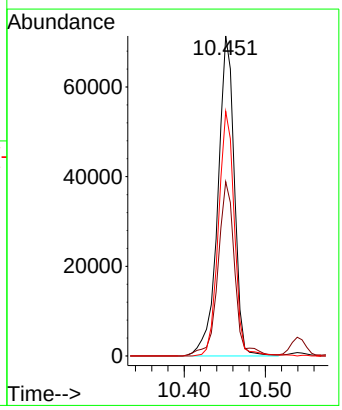


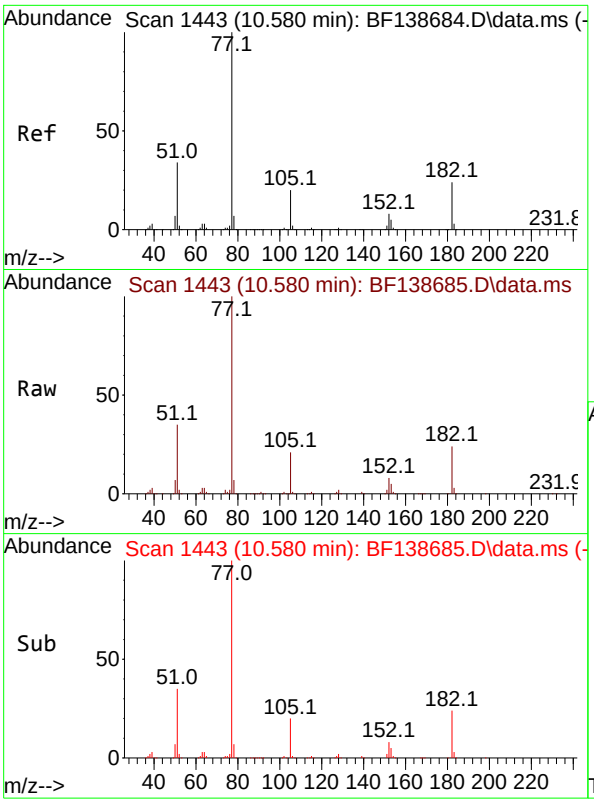


#62
4-Nitroaniline
Concen: 46.819 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:138 Resp: 101171

Ion	Ratio	Lower	Upper
138	100		
92	54.4	34.2	74.2
108	76.5	56.2	96.2



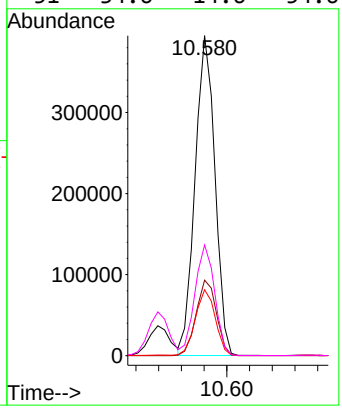


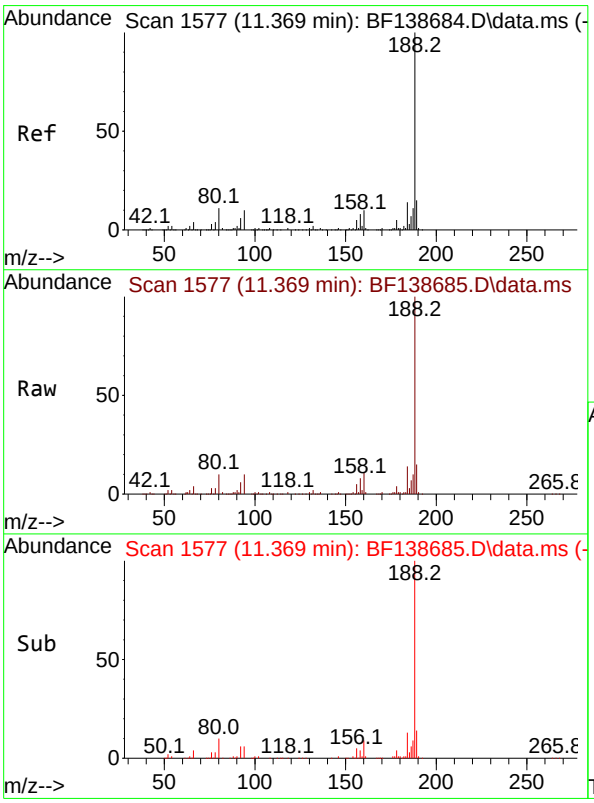
#63
Azobenzene
Concen: 46.818 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 479859

Ion	Ratio	Lower	Upper
77	100		
182	23.6	3.4	43.4
105	20.6	0.2	40.2
51	34.6	14.6	54.6

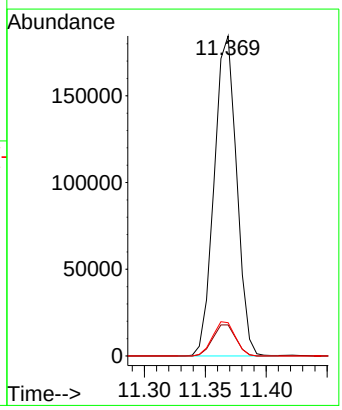


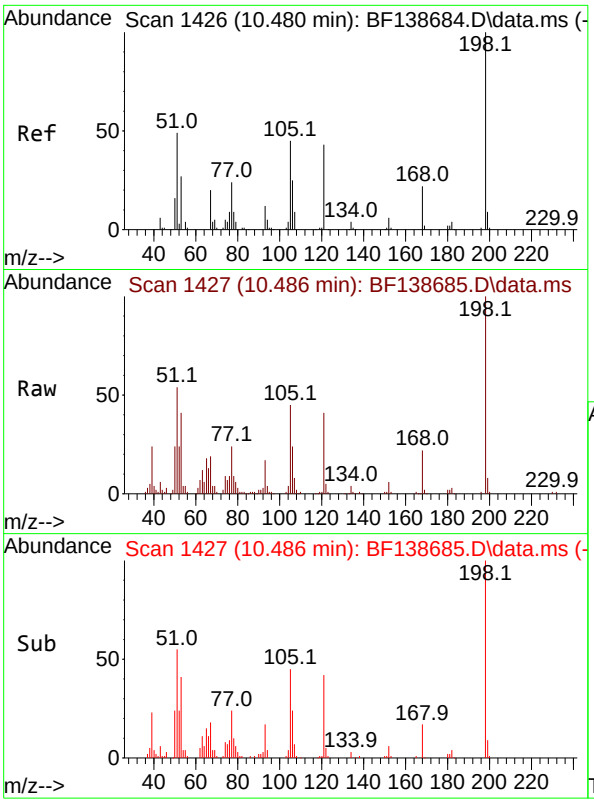


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:188 Resp: 237060

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.6	11.4
80	10.4	8.6	12.8



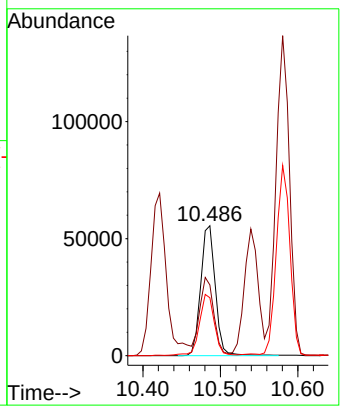


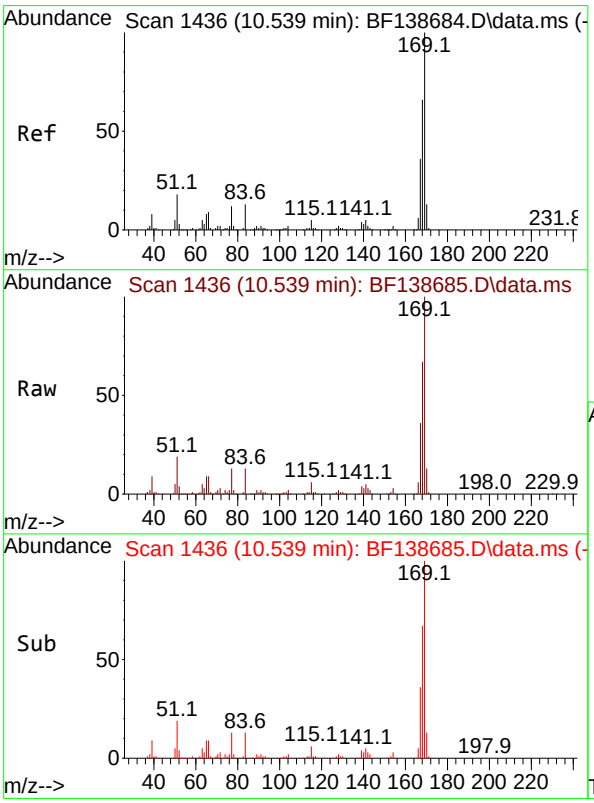
#65
4,6-Dinitro-2-methylphenol
Concen: 50.244 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 72667

Ion	Ratio	Lower	Upper
198	100		
51	54.4	39.9	79.9
105	44.7	26.1	66.1

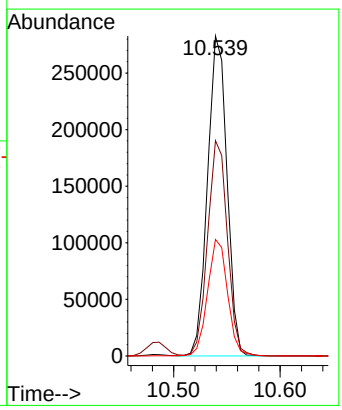


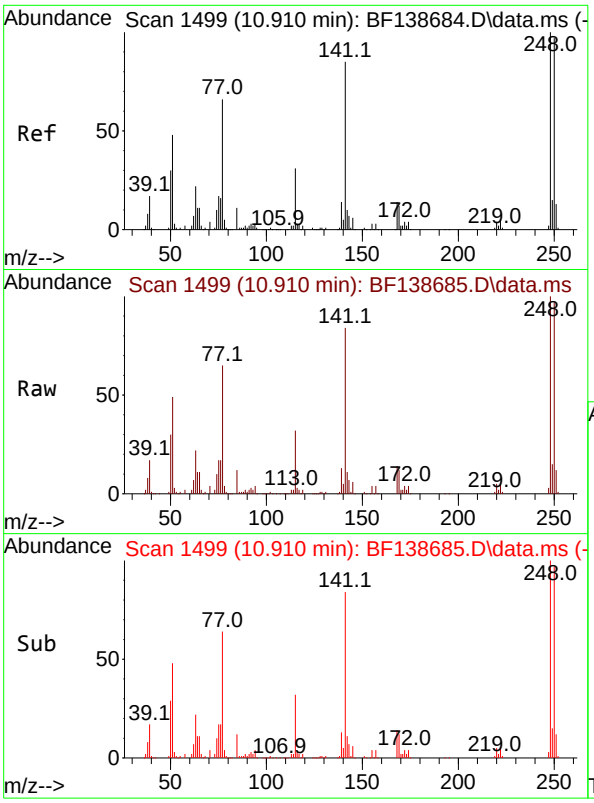


#66
n-Nitrosodiphenylamine
Concen: 48.503 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:169 Resp: 359408

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.4	29.0	43.6



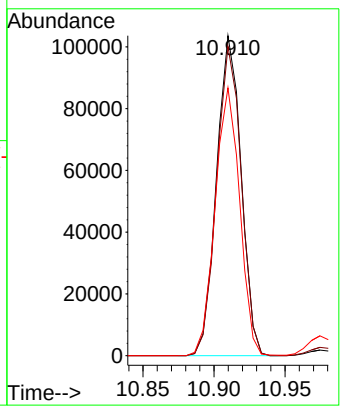


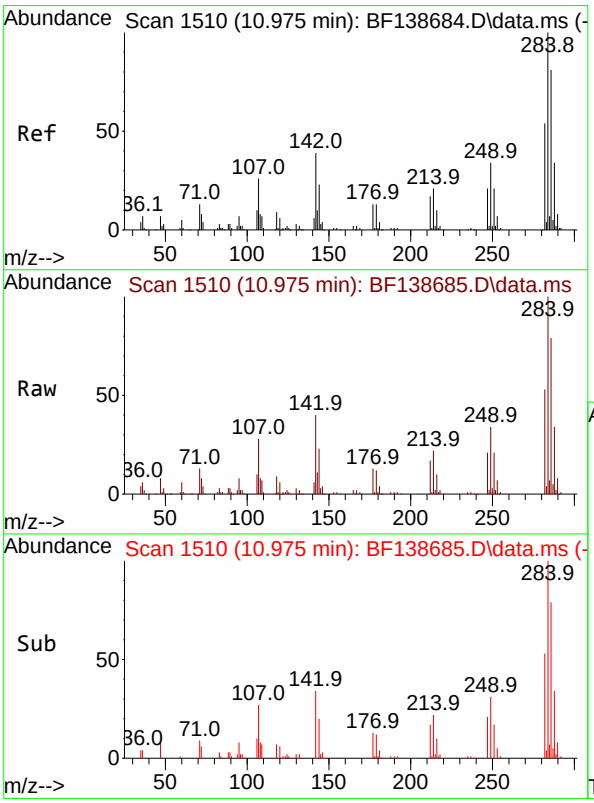
#67
4-Bromophenyl-phenylether
Concen: 48.653 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 124874

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	83.7	68.0	102.0

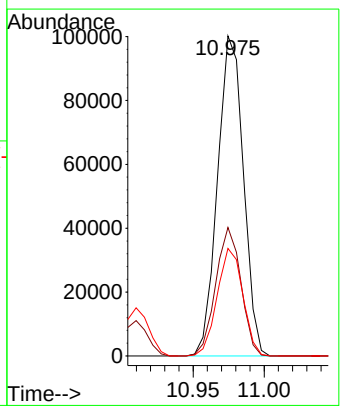


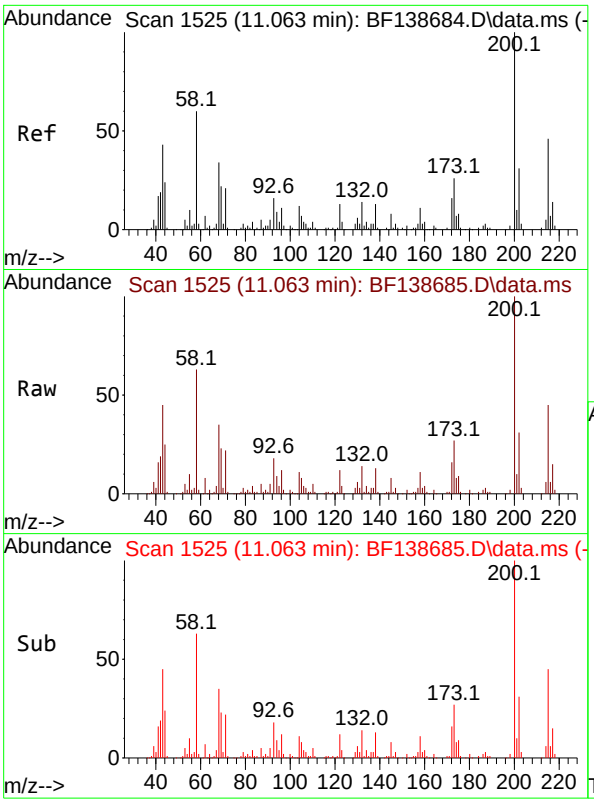


#68
Hexachlorobenzene
Concen: 47.827 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:284 Resp: 126744

Ion	Ratio	Lower	Upper
284	100		
142	40.2	31.3	46.9
249	33.6	27.2	40.8



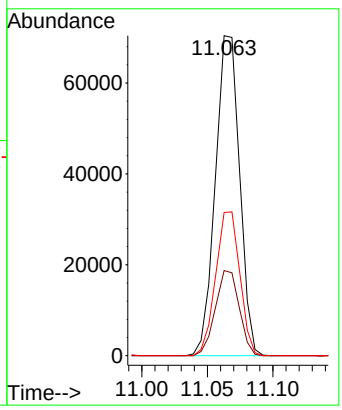


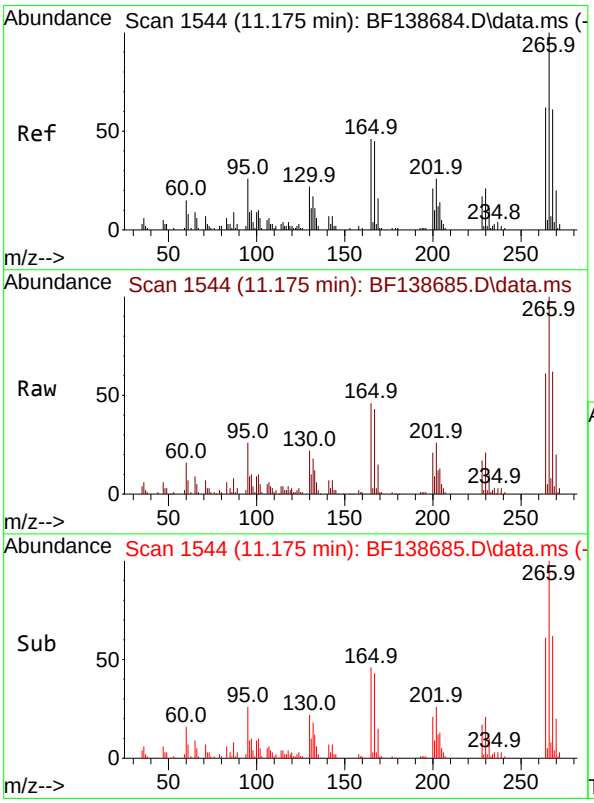
#69
Atrazine
Concen: 47.380 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 90580

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.0	46.0
215	44.8	26.1	66.1

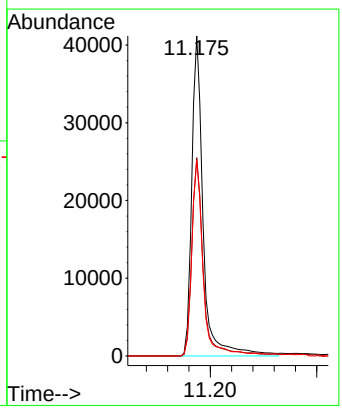


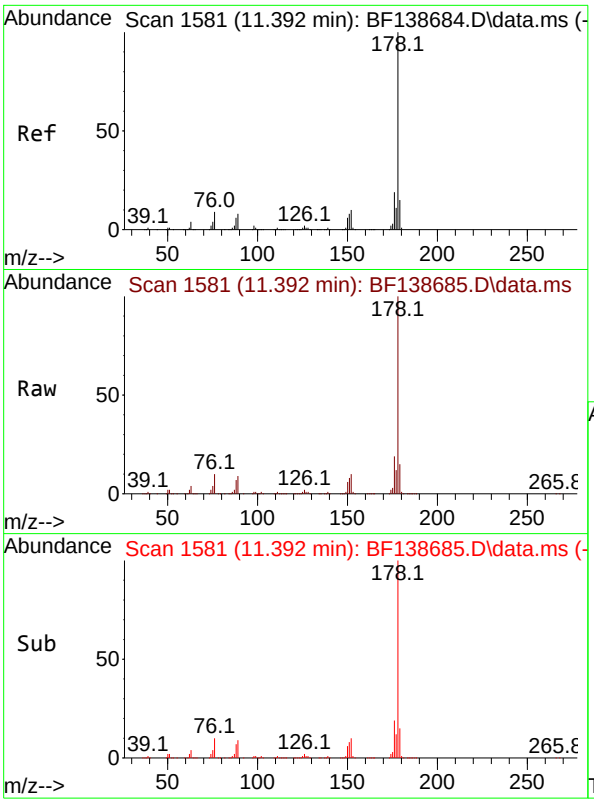


#70
Pentachlorophenol
Concen: 51.390 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:266 Resp: 61385

Ion	Ratio	Lower	Upper
266	100		
268	61.9	49.2	73.8
264	61.2	49.8	74.6



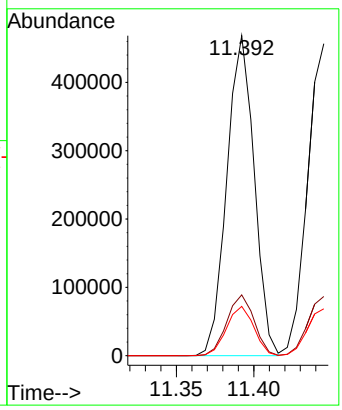


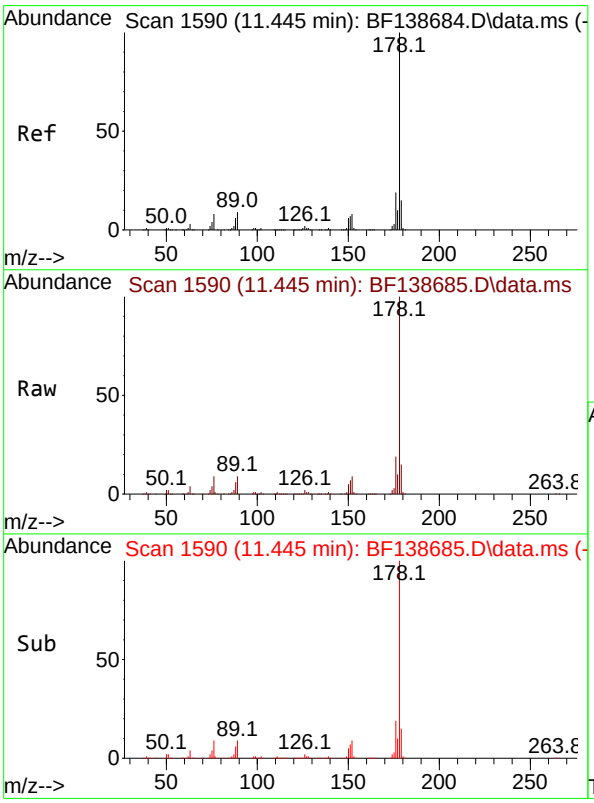
#71
Phenanthrene
Concen: 47.109 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 575040

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.4	12.2	18.2

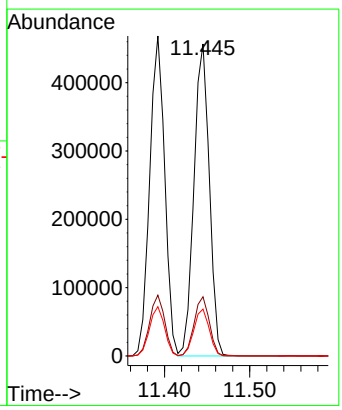


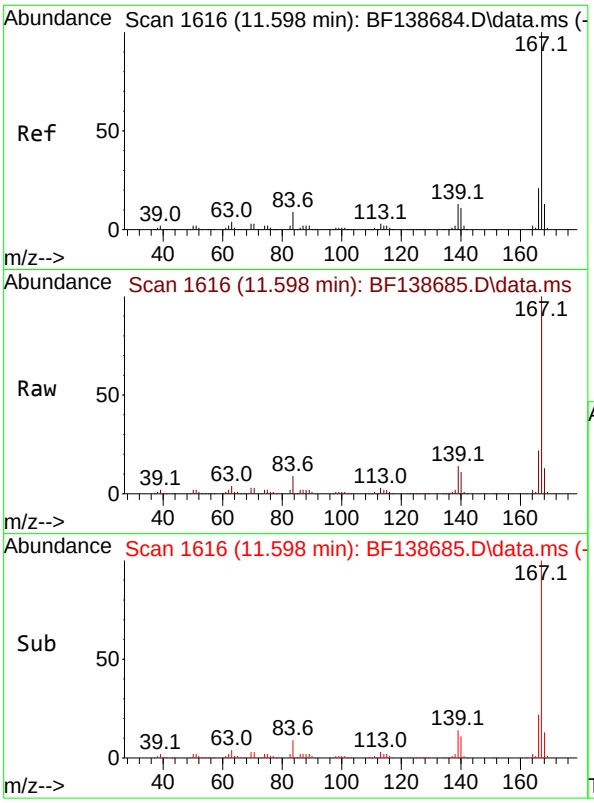


#72
Anthracene
Concen: 47.539 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:178 Resp: 571666

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.0	12.4	18.6



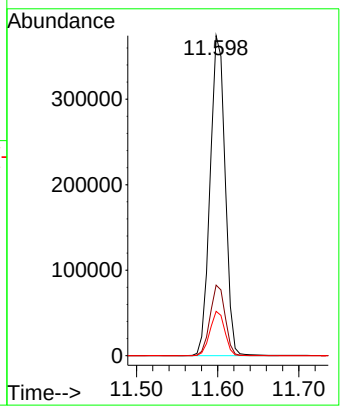


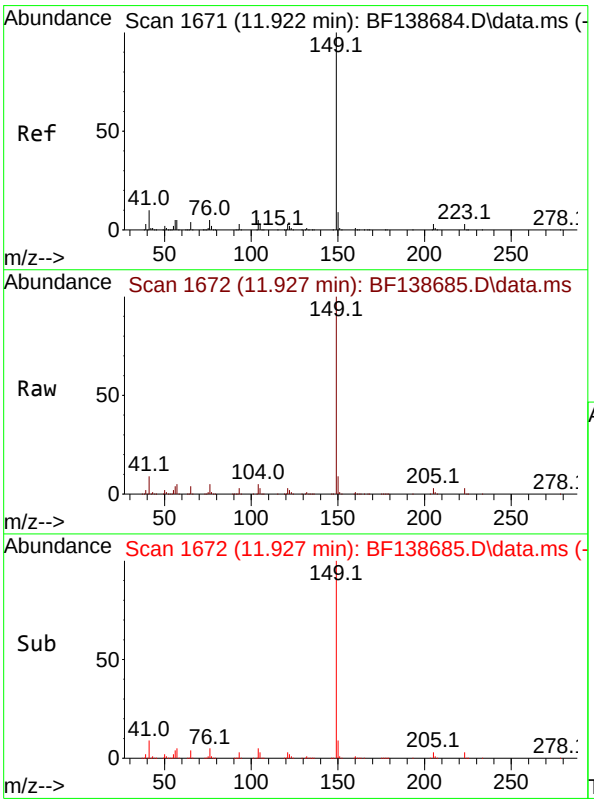
#73
Carbazole
Concen: 46.275 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 480092

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	13.9	10.6	16.0

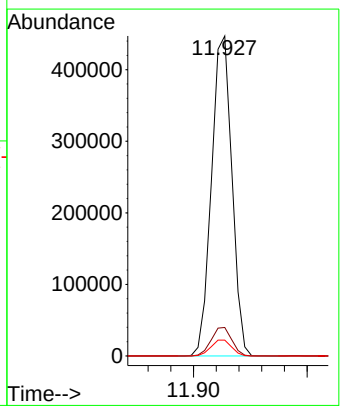


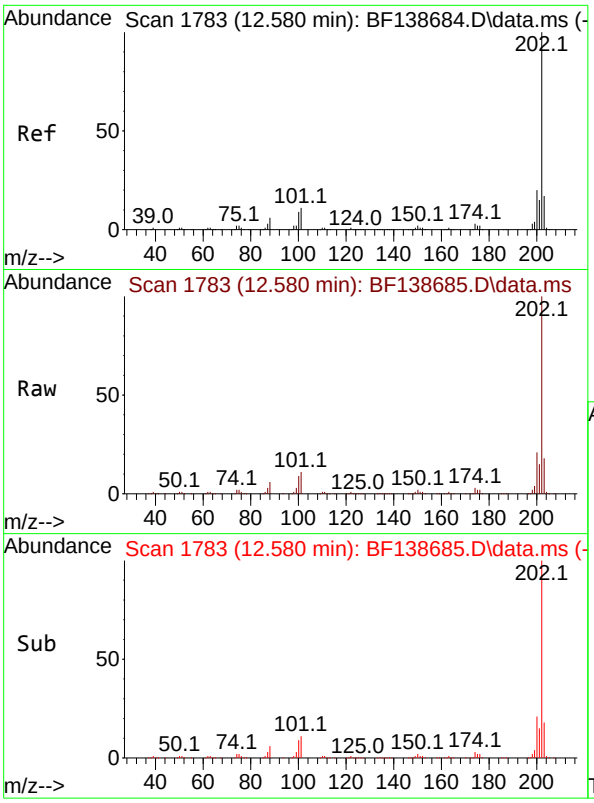


#74
Di-n-butylphthalate
Concen: 47.956 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 559303

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.0	4.1	6.1



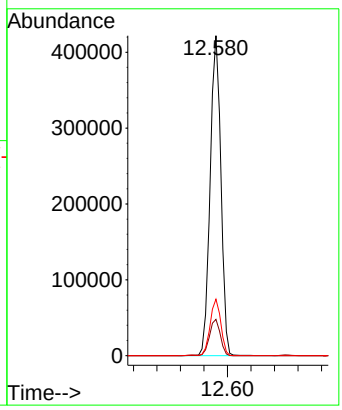


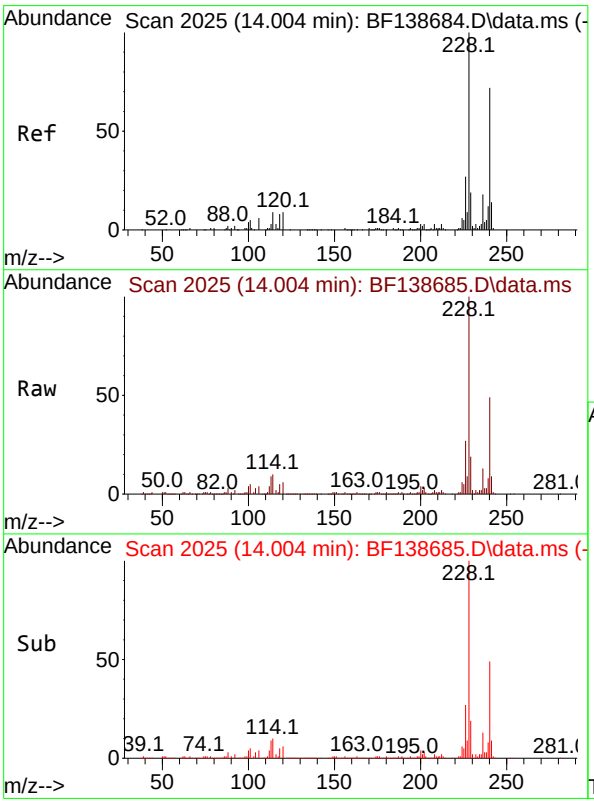
#75
Fluoranthene
Concen: 46.772 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 533004

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.2
203	17.7	0.0	37.3

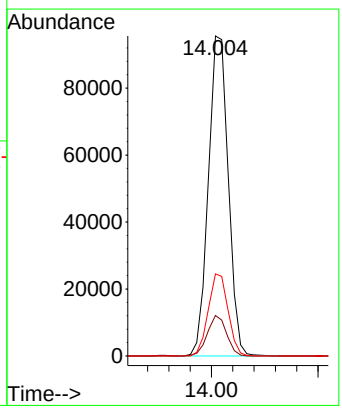


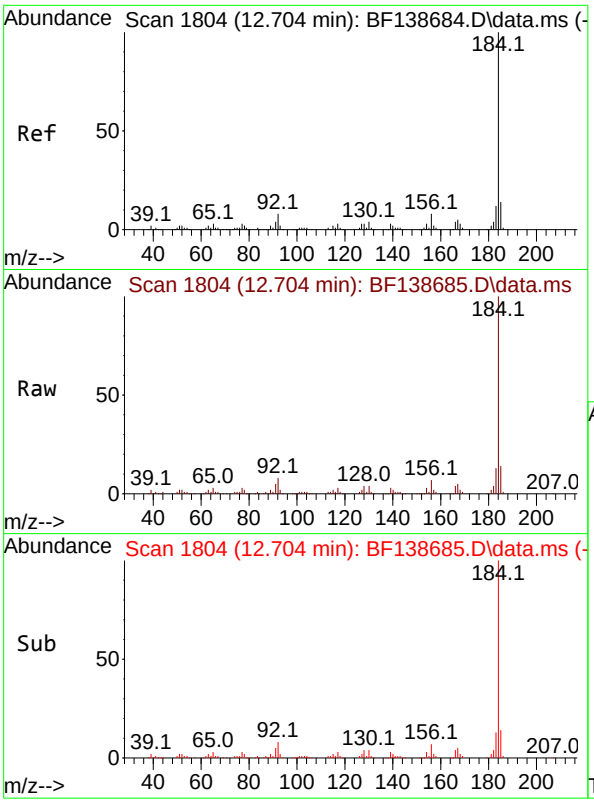


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:240 Resp: 124208

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.2	15.4
236	25.7	19.8	29.8



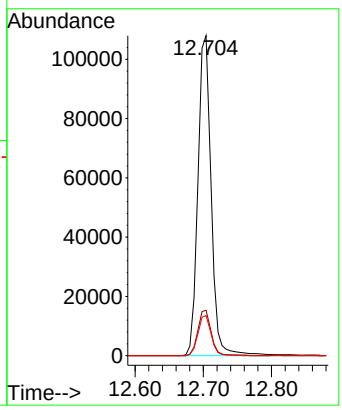


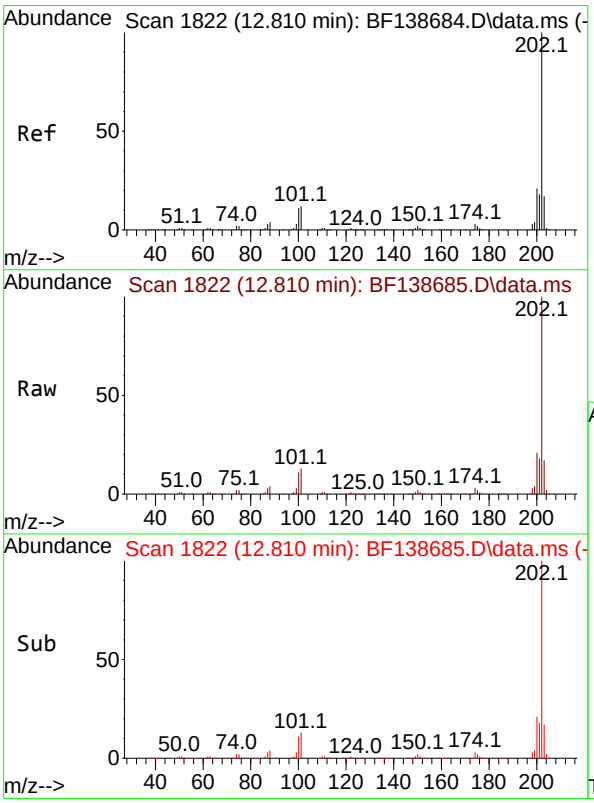
#77
Benzidine
Concen: 49.129 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 145955

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.1	16.7
183	12.6	9.6	14.4

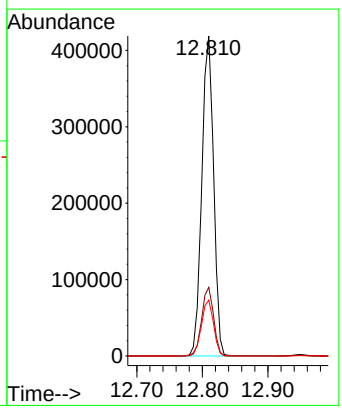


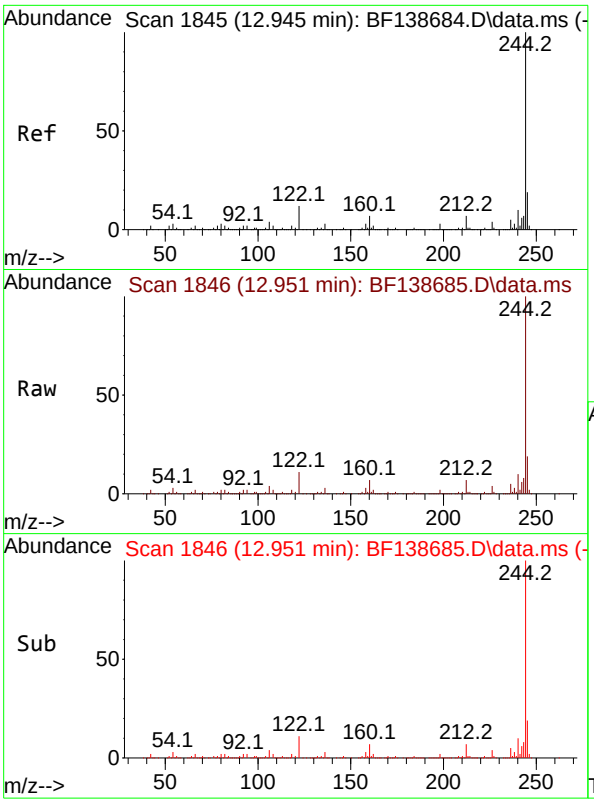


#78
Pyrene
Concen: 44.974 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:202 Resp: 525950

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.5	13.8	20.6



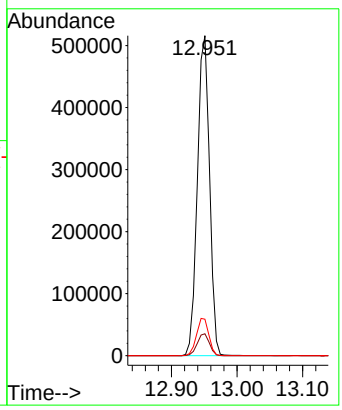


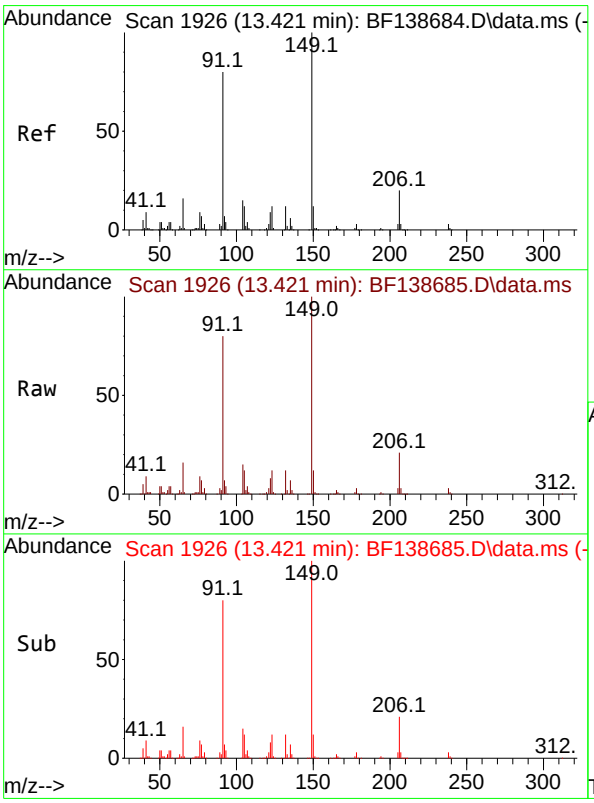
#79
Terphenyl-d14
Concen: 89.751 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 665833

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.4	9.6	14.4

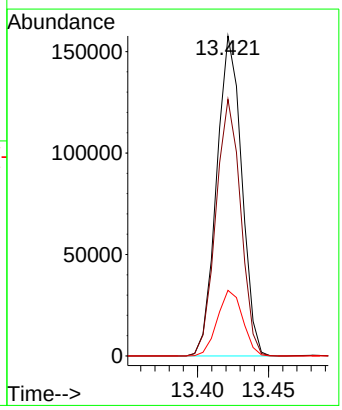


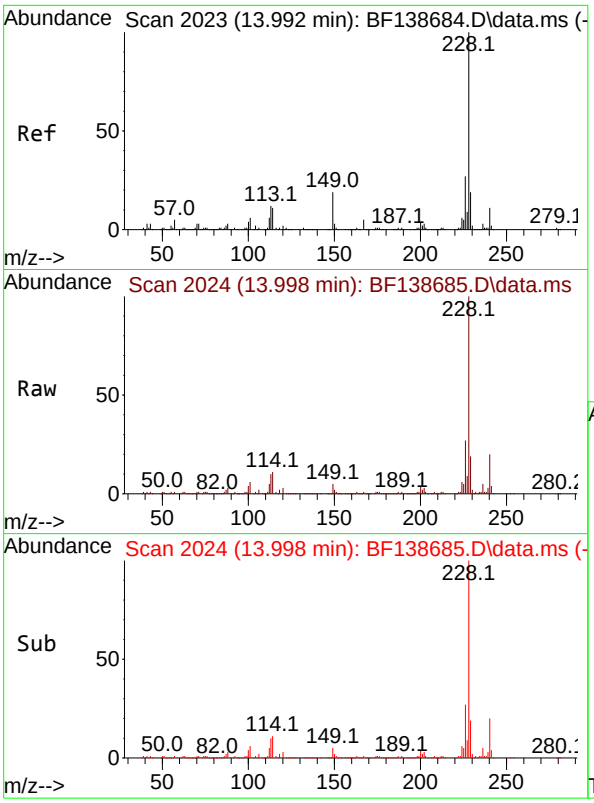


#80
Butylbenzylphthalate
Concen: 51.575 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 193143

Ion	Ratio	Lower	Upper
149	100		
91	80.2	63.7	95.5
206	20.5	16.2	24.2



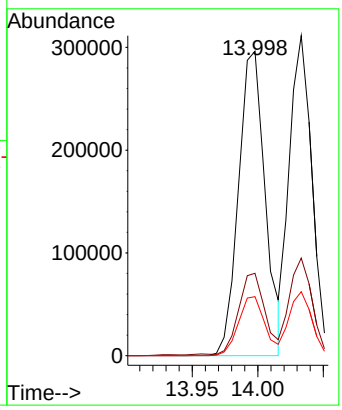


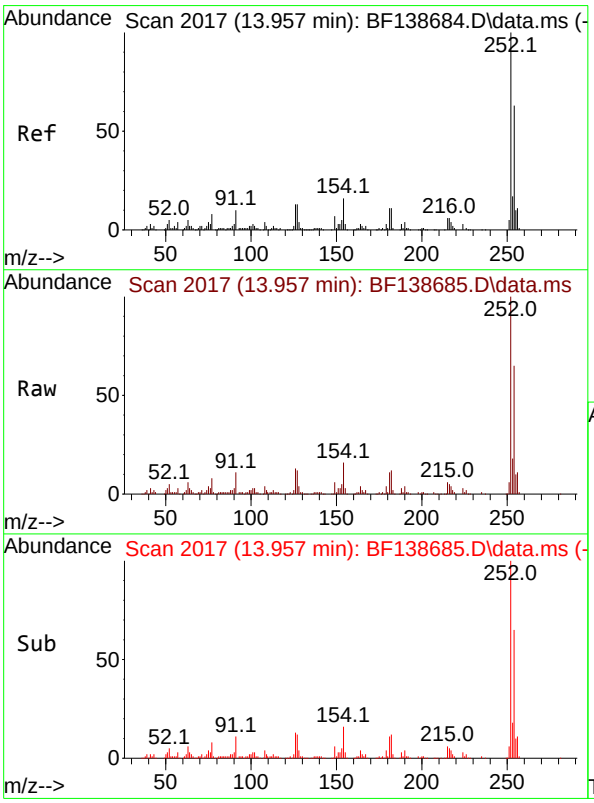
#81
Benzo(a)anthracene
Concen: 49.040 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 419449

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.4	15.4	23.0

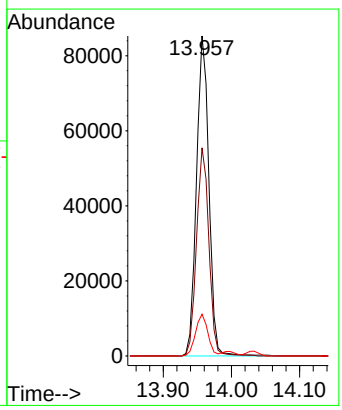


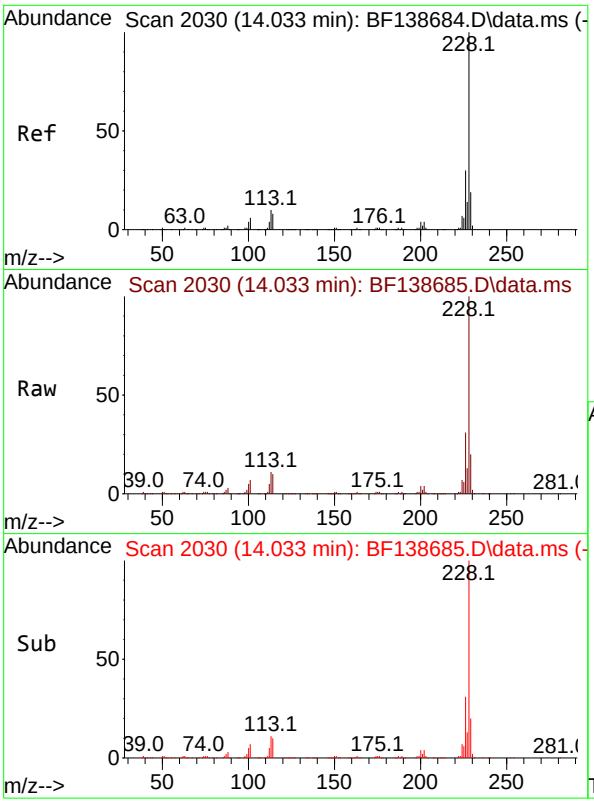


#82
3,3'-Dichlorobenzidine
Concen: 49.088 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:252 Resp: 107444

Ion	Ratio	Lower	Upper
252	100		
254	65.0	50.8	76.2
126	13.1	10.2	15.2



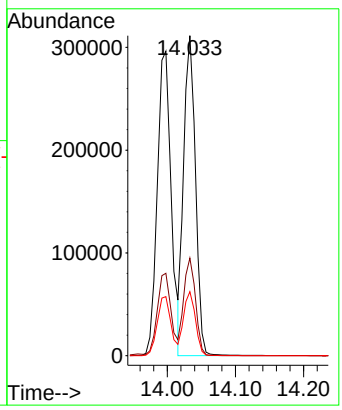


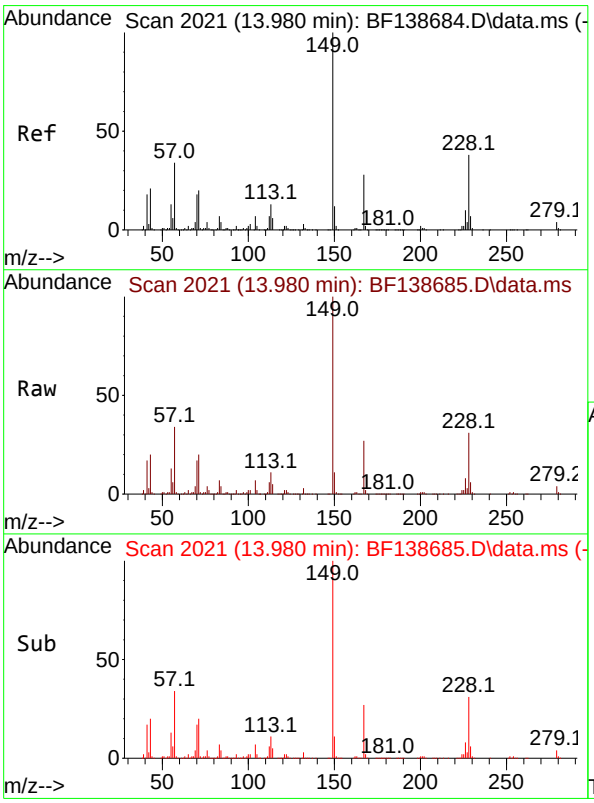
#83
Chrysene
Concen: 48.391 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 373417

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	20.0	15.0	22.6

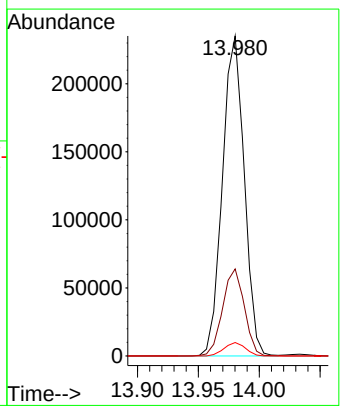


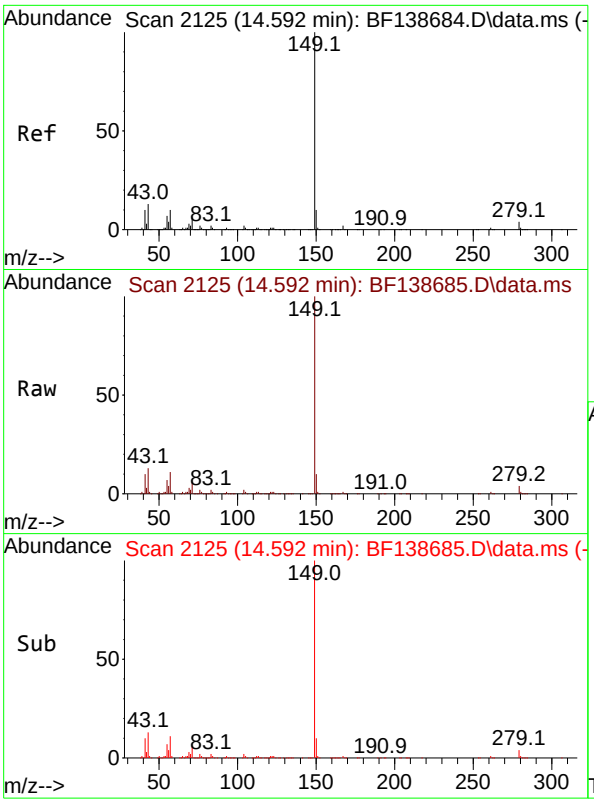


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.519 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:149 Resp: 293490

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.4
279	4.2	3.4	5.0



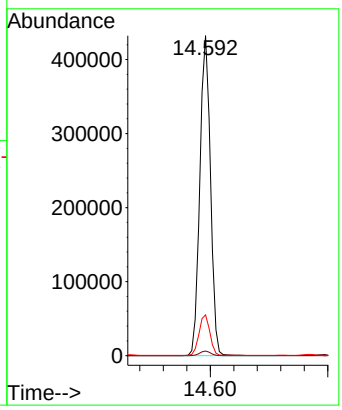


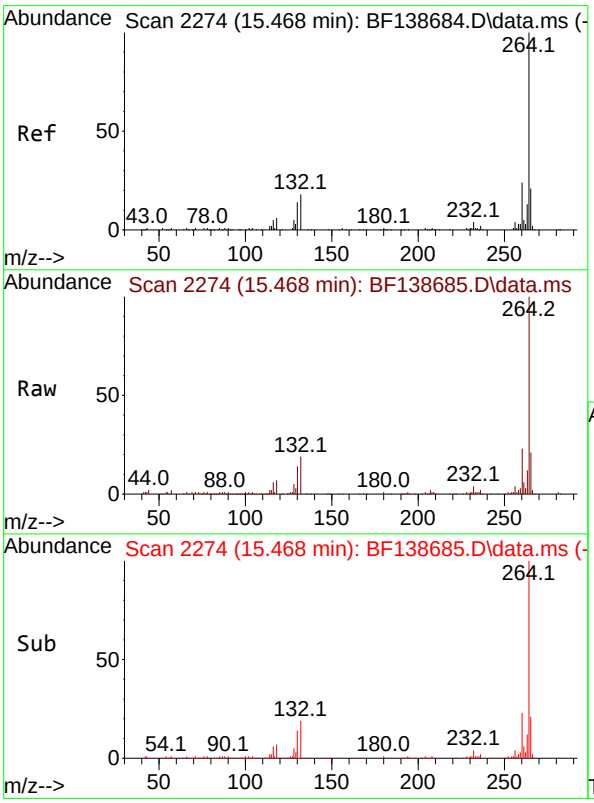
#85
Di-n-octyl phthalate
Concen: 53.306 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 540838

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	13.0	10.4	15.6

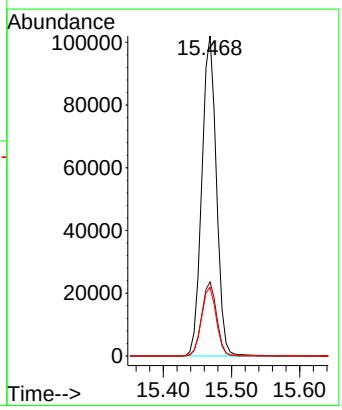


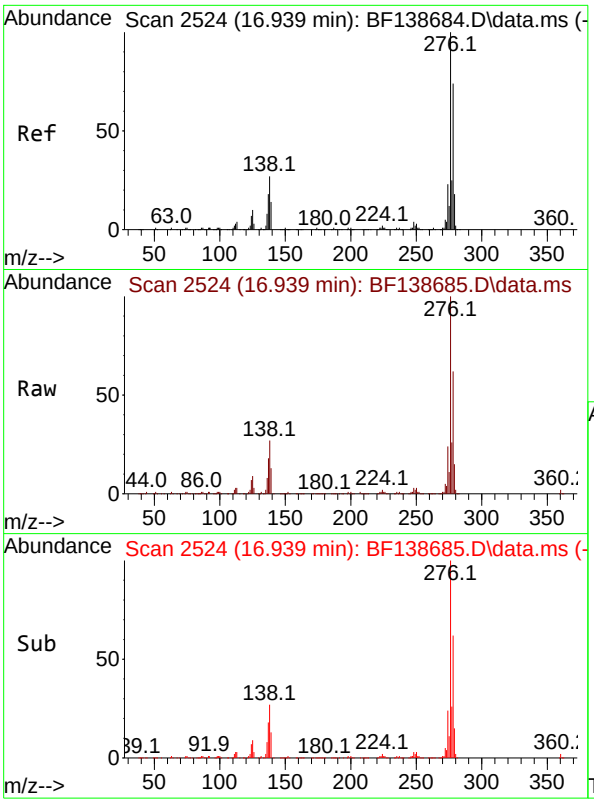


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:264 Resp: 151751

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.5	17.0	25.6



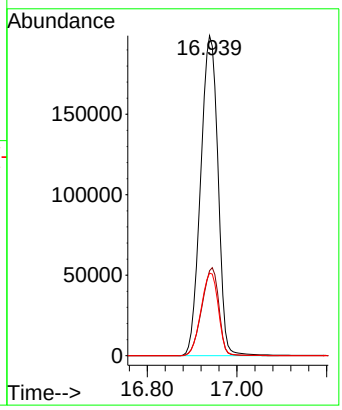


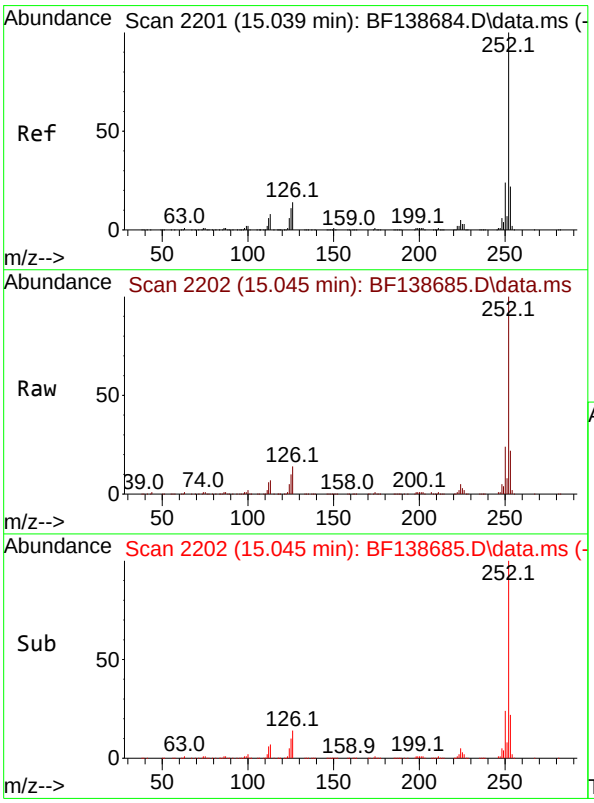
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.039 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 533298

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.8
277	25.8	20.6	30.8

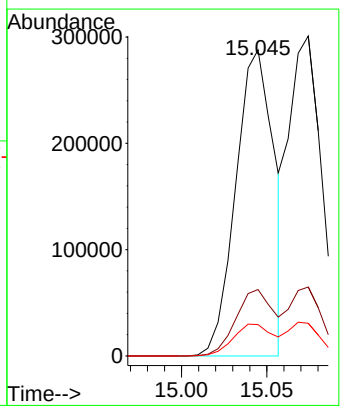


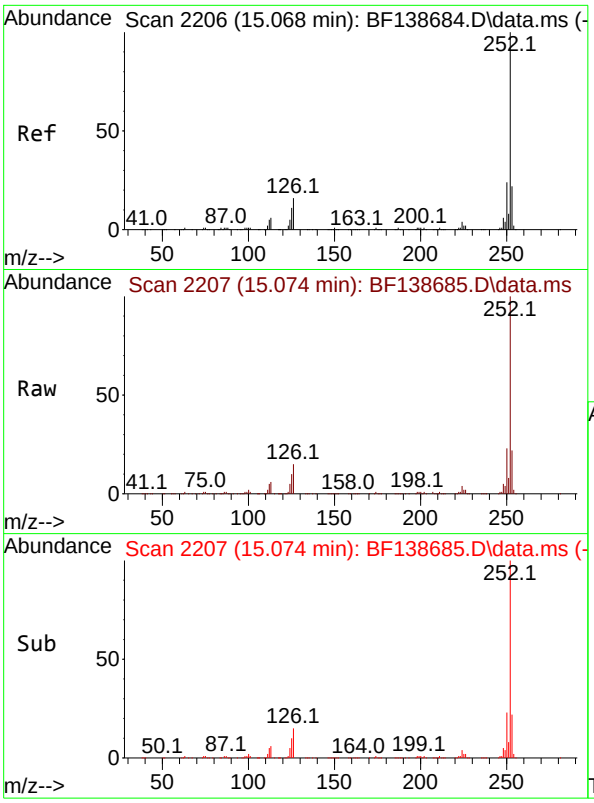


#88
Benzo(b)fluoranthene
Concen: 47.613 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:252 Resp: 447896

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.3	8.9	13.3



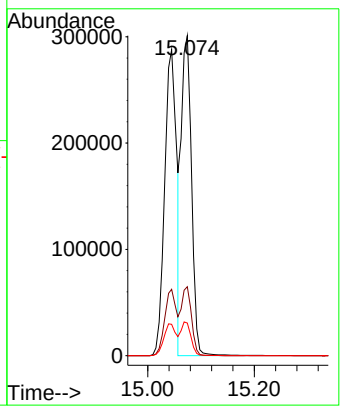


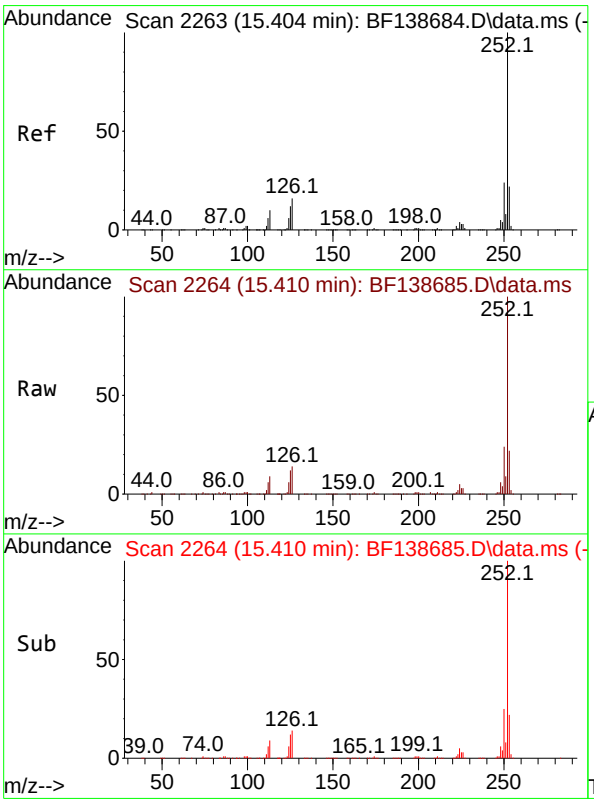
#89
Benzo(k)fluoranthene
Concen: 49.358 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 402008

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.2	8.6	13.0

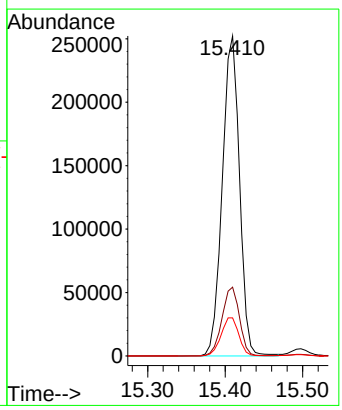


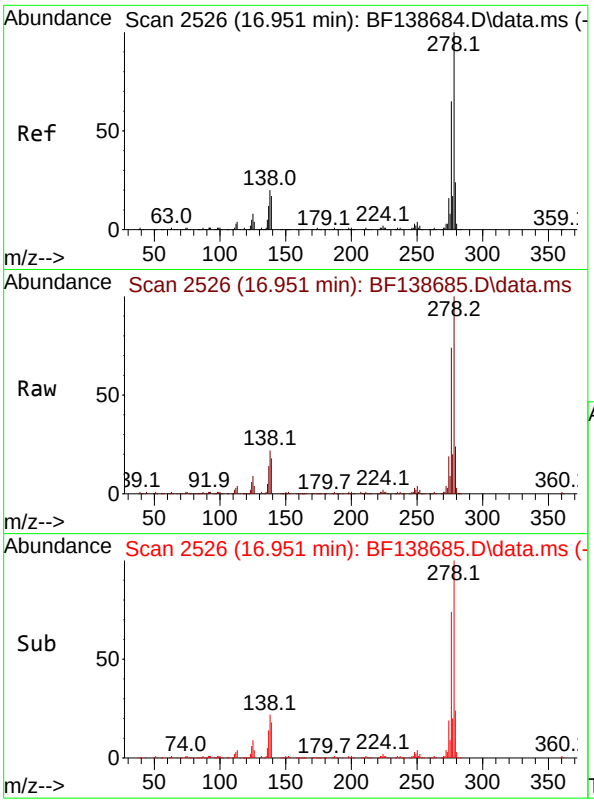


#90
Benzo(a)pyrene
Concen: 49.199 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:252 Resp: 389298

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.9	9.5	14.3



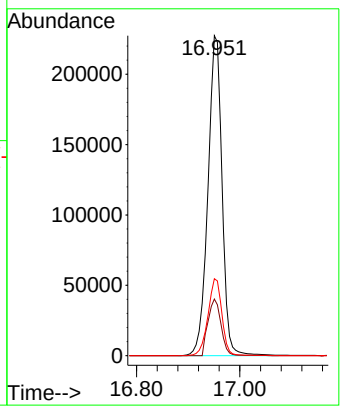


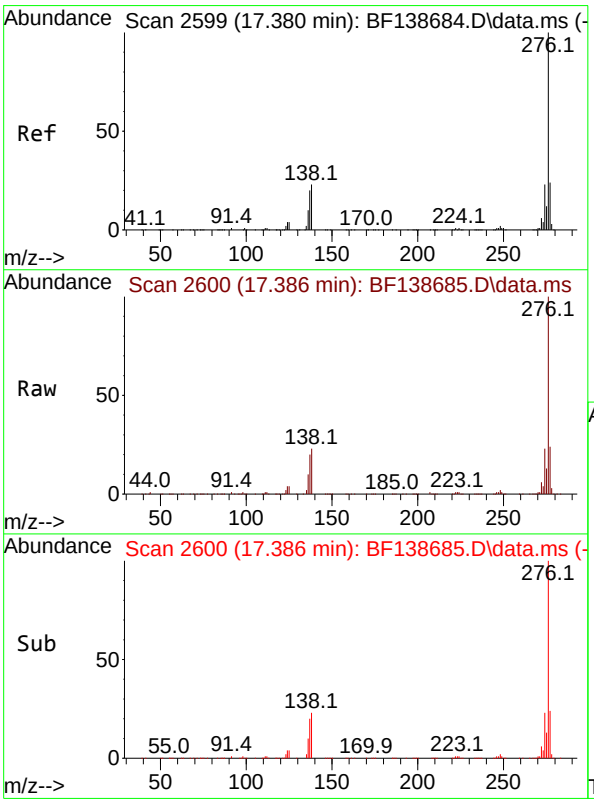
#91
Dibenzo(a,h)anthracene
Concen: 48.460 ng
RT: 16.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 432604

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.0	21.0
279	24.1	19.0	28.4

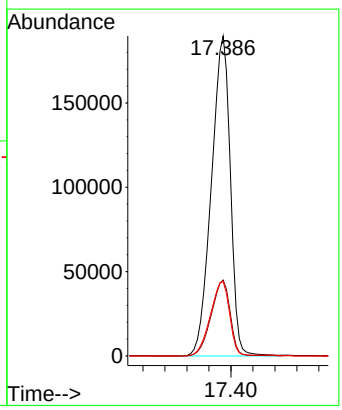




#92
Benzo(g,h,i)perylene
Concen: 48.997 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:276 Resp: 453886

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	23.2	18.5	27.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138686.D
Acq On : 30 Jul 2024 15:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 30 17:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	83492	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	334760	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	181338	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	299773	20.000	ng		0.00
76) Chrysene-d12	14.010	240	135234	20.000	ng		0.00
86) Perylene-d12	15.468	264	151051	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	629095	116.311	ng		0.00
7) Phenol-d6	6.492	99	843765	116.193	ng		0.00
23) Nitrobenzene-d5	7.416	82	813835	118.860	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	180537	121.541	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	1351342	111.967	ng		0.00
79) Terphenyl-d14	12.951	244	981714	121.541	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.604	88	140904	59.504	ng		99
3) Pyridine	3.357	79	340220	59.310	ng		98
4) n-Nitrosodimethylamine	3.328	42	212531	62.209	ng		99
6) Aniline	6.516	93	370584	57.223	ng	#	79
8) 2-Chlorophenol	6.639	128	331893	58.323	ng		99
10) Phenol	6.510	94	443551	58.012	ng		88
11) bis(2-Chloroethyl)ether	6.587	93	354634	60.274	ng		99
12) 1,3-Dichlorobenzene	6.787	146	367637	57.714	ng		98
13) 1,4-Dichlorobenzene	6.863	146	368108	57.263	ng		99
14) 1,2-Dichlorobenzene	7.022	146	340797	56.726	ng		99
15) Benzyl Alcohol	6.992	79	312171	59.644	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	580475	57.327	ng		84
17) 2-Methylphenol	7.110	107	282986	60.223	ng		97
18) Hexachloroethane	7.357	117	141381	58.427	ng		98
19) n-Nitroso-di-n-propyla...	7.269	70	256740	58.537	ng		98
20) 3+4-Methylphenols	7.263	107	341873	56.705	ng		96
22) Acetophenone	7.263	105	477062	58.203	ng	#	99
24) Nitrobenzene	7.439	77	410640	58.938	ng		98
25) Isophorone	7.675	82	700155	59.885	ng		99
26) 2-Nitrophenol	7.751	139	185196	61.782	ng		98
27) 2,4-Dimethylphenol	7.786	122	216101	60.254	ng		99
28) bis(2-Chloroethoxy)met...	7.881	93	417700	58.667	ng		99
29) 2,4-Dichlorophenol	7.992	162	276792	60.060	ng		98
30) 1,2,4-Trichlorobenzene	8.069	180	308922	58.085	ng		98
31) Naphthalene	8.151	128	1018783	57.817	ng		99
32) Benzoic acid	7.939	122	191273	67.875	ng		99
33) 4-Chloroaniline	8.210	127	359031	60.700	ng		99
34) Hexachlorobutadiene	8.263	225	188273	58.445	ng		98
35) Caprolactam	8.592	113	86887	63.184	ng		96
36) 4-Chloro-3-methylphenol	8.692	107	315510	59.904	ng		98
37) 2-Methylnaphthalene	8.839	142	643115	57.790	ng		99
38) 1-Methylnaphthalene	8.939	142	633938	58.134	ng		99
40) 1,2,4,5-Tetrachloroben...	9.004	216	290297	57.629	ng		99
41) Hexachlorocyclopentadiene	8.992	237	79605	61.472	ng		98
43) 2,4,6-Trichlorophenol	9.122	196	185606	60.432	ng		99
44) 2,4,5-Trichlorophenol	9.169	196	200163	59.615	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138686.D
Acq On : 30 Jul 2024 15:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 30 17:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

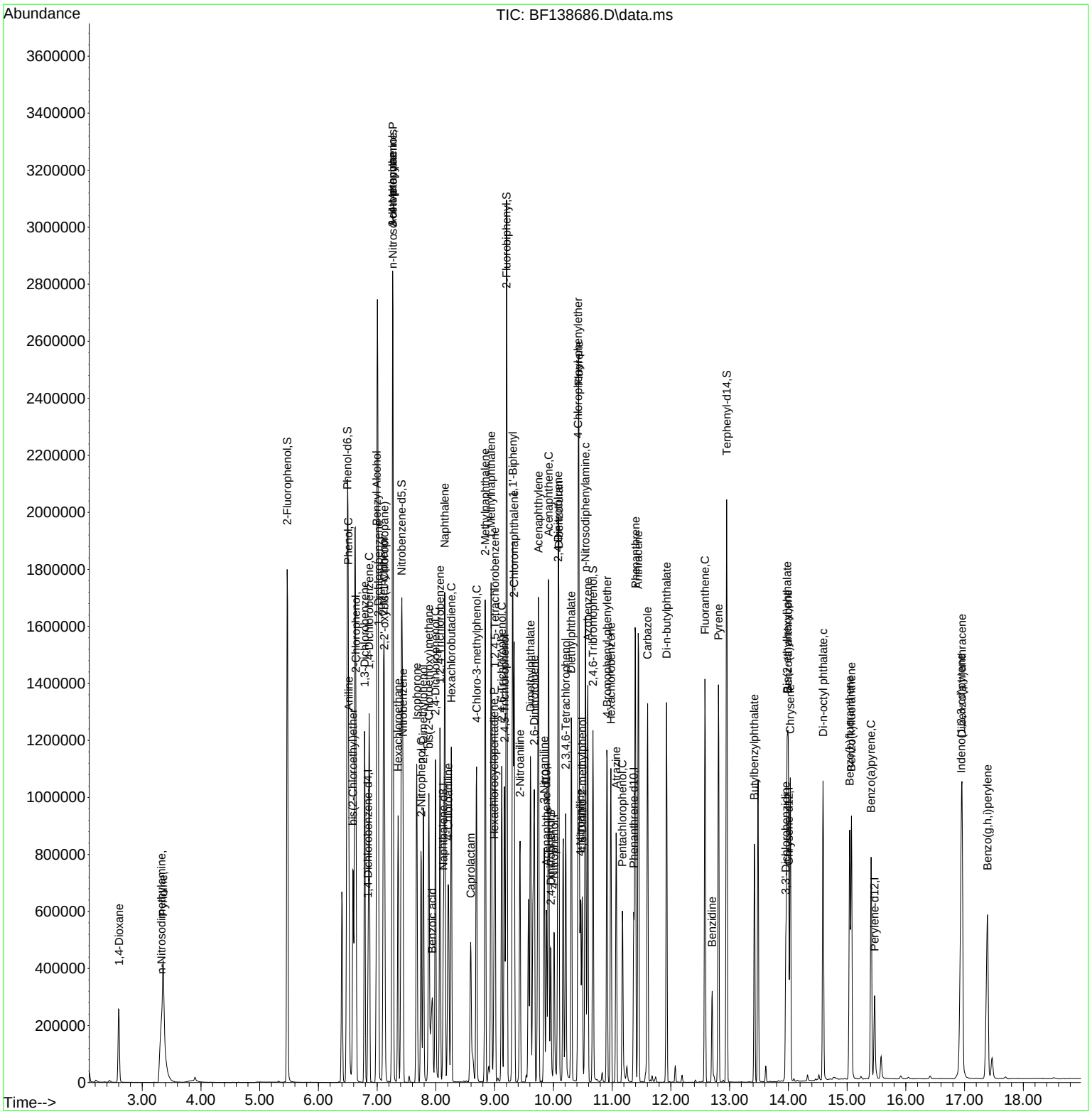
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.310	154	814566	57.355	ng	100
47) 2-Chloronaphthalene	9.333	162	605996	57.372	ng	99
48) 2-Nitroaniline	9.433	65	214695	59.957	ng	100
49) Acenaphthylene	9.745	152	863615	57.648	ng	99
50) Dimethylphthalate	9.610	163	695202	59.957	ng	99
51) 2,6-Dinitrotoluene	9.675	165	163000	62.290	ng	97
52) Acenaphthene	9.922	154	581492	57.743	ng	100
53) 3-Nitroaniline	9.845	138	165034	61.007	ng	98
54) 2,4-Dinitrophenol	9.957	184	82451	68.448	ng	96
55) Dibenzofuran	10.092	168	809534	56.948	ng	99
56) 4-Nitrophenol	10.016	139	107052	65.807	ng	97
57) 2,4-Dinitrotoluene	10.080	165	201610	60.388	ng	93
58) Fluorene	10.433	166	646844	57.140	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	162987	63.494	ng	97
60) Diethylphthalate	10.304	149	661415	60.161	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	321470	57.740	ng	97
62) 4-Nitroaniline	10.463	138	159081	61.881	ng	99
63) Azobenzene	10.586	77	722929	59.288	ng	99
65) 4,6-Dinitro-2-methylph...	10.492	198	115013	62.887	ng	98
66) n-Nitrosodiphenylamine	10.545	169	550299	58.728	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	185589	57.182	ng	98
68) Hexachlorobenzene	10.980	284	197152	58.832	ng	96
69) Atrazine	11.069	200	137932	57.055	ng	99
70) Pentachlorophenol	11.174	266	101863	67.437	ng	98
71) Phenanthrene	11.398	178	867741	56.216	ng	99
72) Anthracene	11.445	178	869464	57.177	ng	99
73) Carbazole	11.604	167	742002	56.558	ng	99
74) Di-n-butylphthalate	11.927	149	891999	60.481	ng	100
75) Fluoranthene	12.580	202	797022	55.309	ng	99
77) Benzidine	12.704	184	165511	51.170	ng	98
78) Pyrene	12.810	202	782403	61.448	ng	99
80) Butylbenzylphthalate	13.421	149	251612	61.709	ng	99
81) Benzo(a)anthracene	13.998	228	548125	58.859	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	129254	54.238	ng	99
83) Chrysene	14.033	228	498766	59.365	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	343468	57.526	ng	100
85) Di-n-octyl phthalate	14.592	149	637055	57.670	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	636857	58.833	ng	100
88) Benzo(b)fluoranthene	15.045	252	514218	54.916	ng	99
89) Benzo(k)fluoranthene	15.074	252	506146	62.431	ng	99
90) Benzo(a)pyrene	15.410	252	469205	59.572	ng	100
91) Dibenzo(a,h)anthracene	16.956	278	519552	58.470	ng	99
92) Benzo(g,h,i)perylene	17.392	276	542952	58.883	ng	99

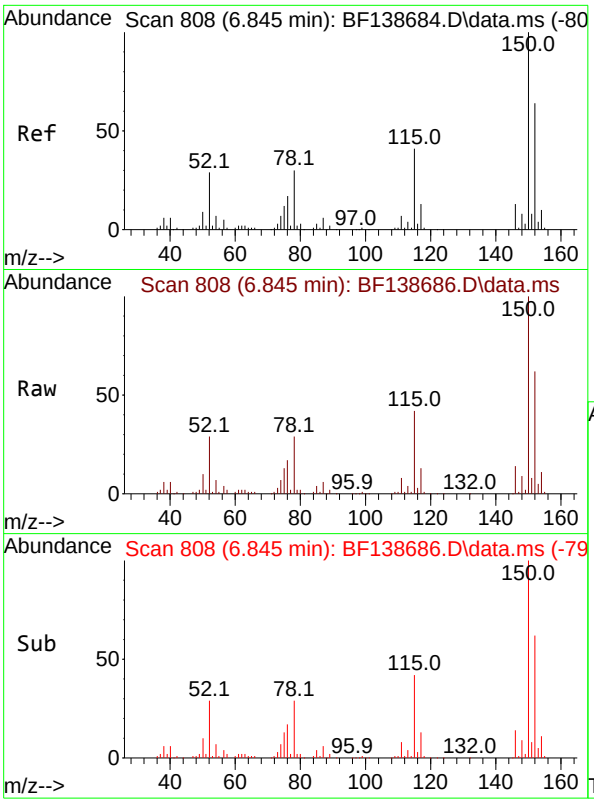
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138686.D
Acq On : 30 Jul 2024 15:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 30 17:46:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



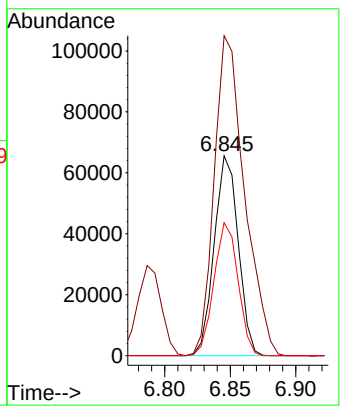


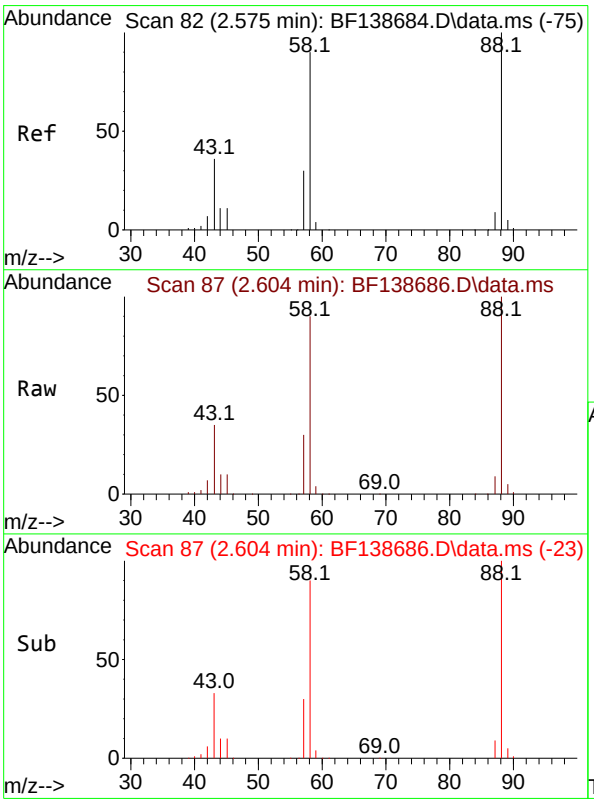
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 83492

Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.0	189.0
115	66.6	51.7	77.5

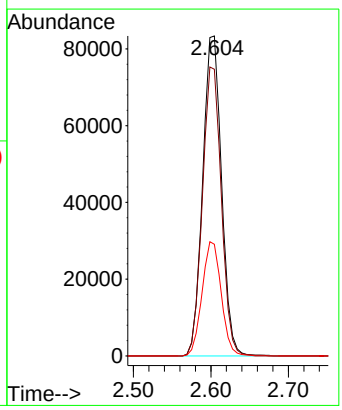


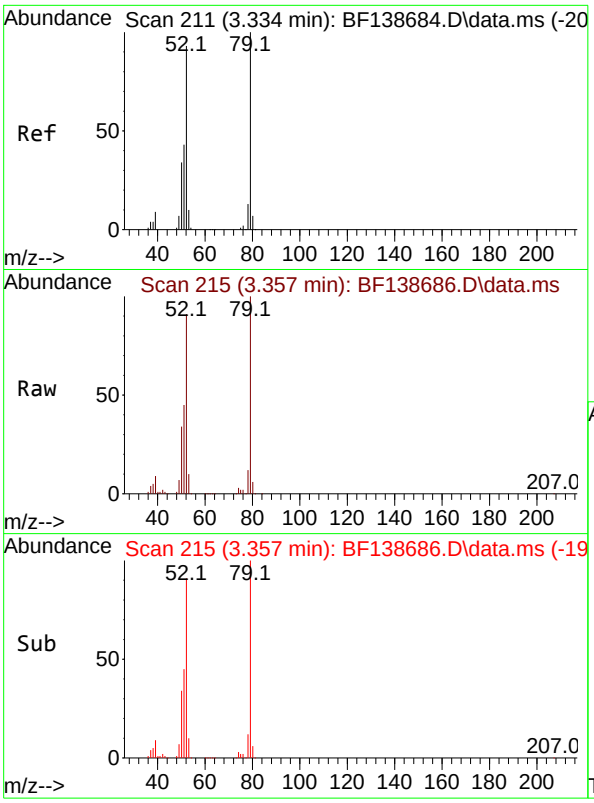


#2
1,4-Dioxane
Concen: 59.504 ng
RT: 2.604 min Scan# 87
Delta R.T. 0.029 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 88 Resp: 140904

Ion	Ratio	Lower	Upper
88	100		
58	90.5	71.6	107.4
43	36.2	28.7	43.1



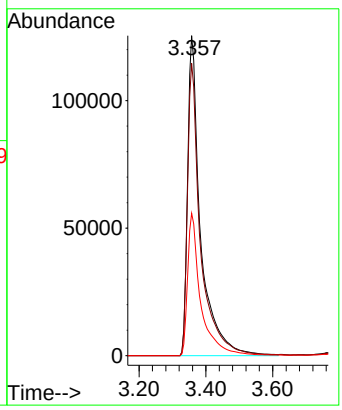


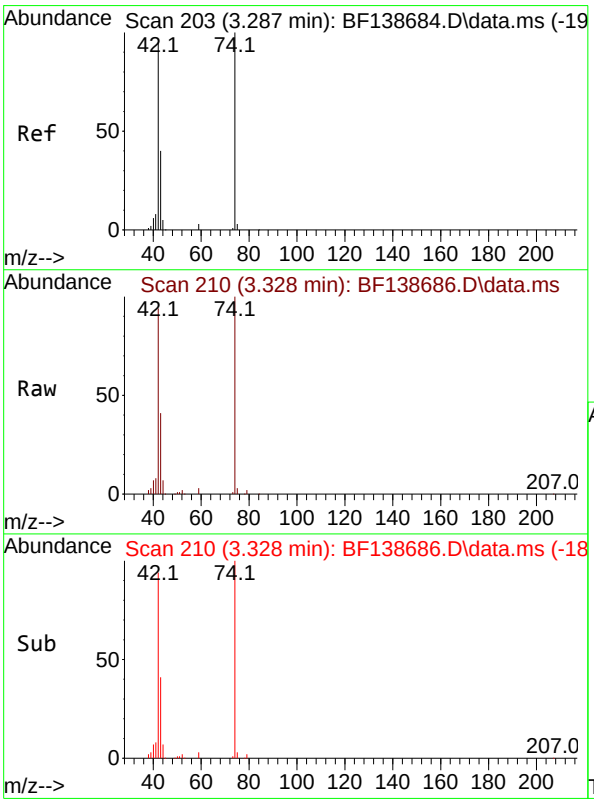
#3
Pyridine
Concen: 59.310 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 340220

Ion	Ratio	Lower	Upper
79	100		
52	91.3	74.7	112.1
51	44.5	34.6	51.8

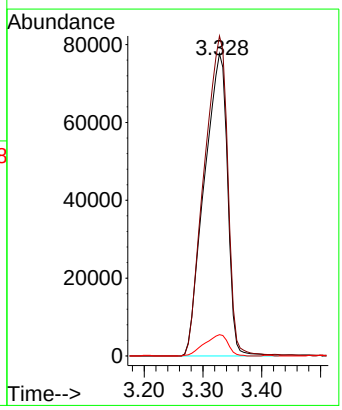


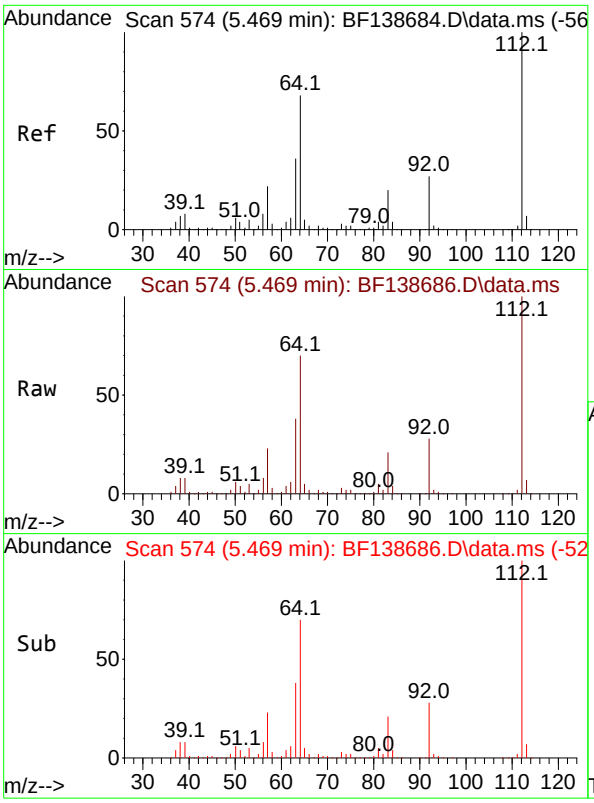


#4
n-Nitrosodimethylamine
Concen: 62.209 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.041 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 42 Resp: 212531

Ion	Ratio	Lower	Upper
42	100		
74	105.8	84.2	126.4
44	7.0	4.9	7.3



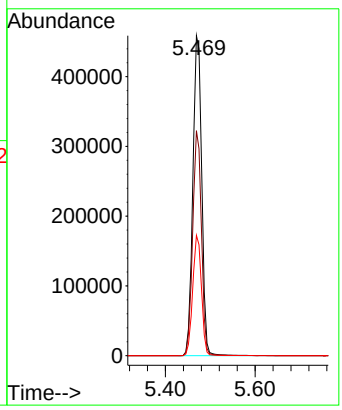


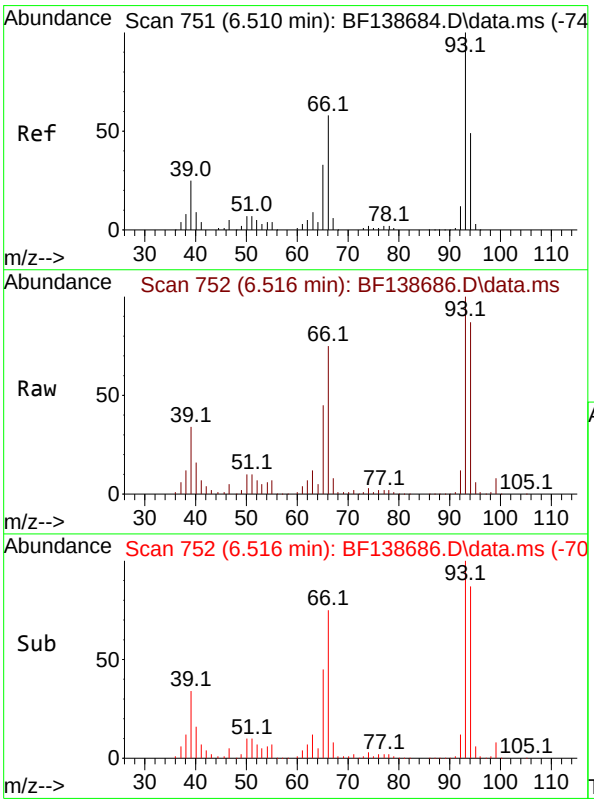
#5
2-Fluorophenol
Concen: 116.311 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 629095

Ion	Ratio	Lower	Upper
112	100		
64	70.3	54.2	81.4
63	37.6	28.7	43.1

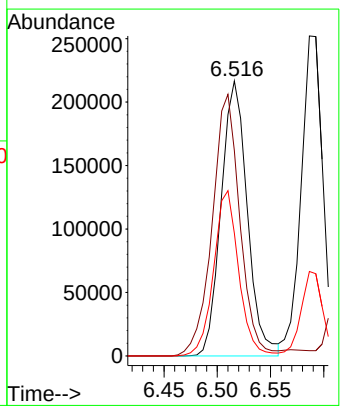


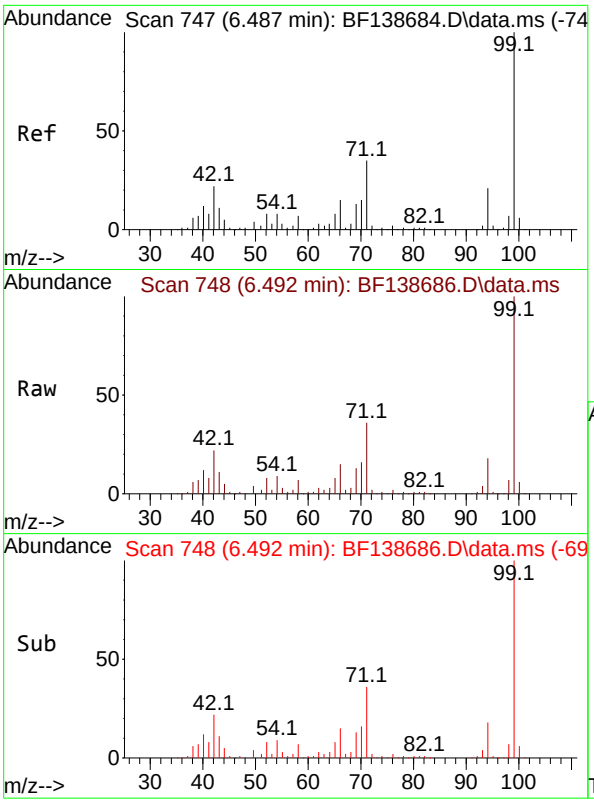


#6
Aniline
Concen: 57.223 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 93 Resp: 370584

Ion	Ratio	Lower	Upper
93	100		
66	74.7	46.9	70.3#
65	44.6	26.5	39.7#



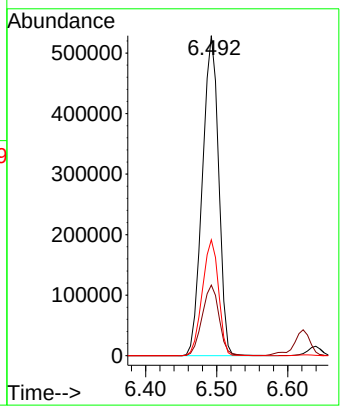


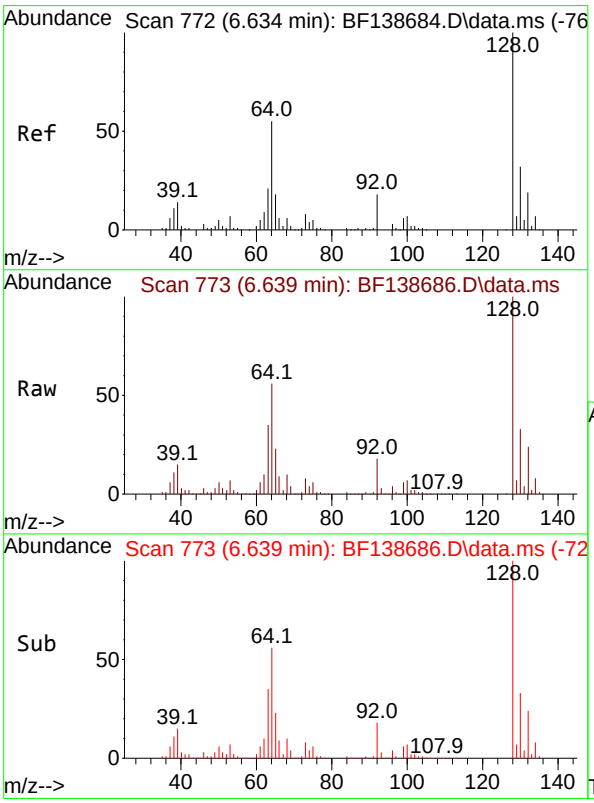
#7
Phenol-d6
Concen: 116.193 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 843765

Ion	Ratio	Lower	Upper
99	100		
42	22.0	17.4	26.0
71	36.2	28.1	42.1

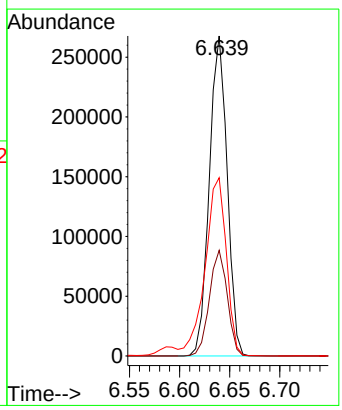


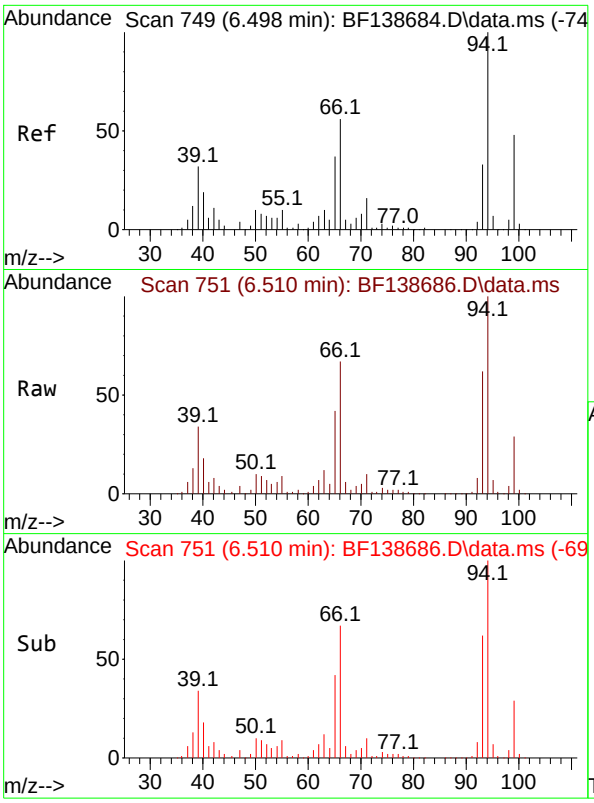


#8
2-Chlorophenol
Concen: 58.323 ng
RT: 6.639 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:128 Resp: 331893

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.0	52.0
64	55.7	36.3	76.3



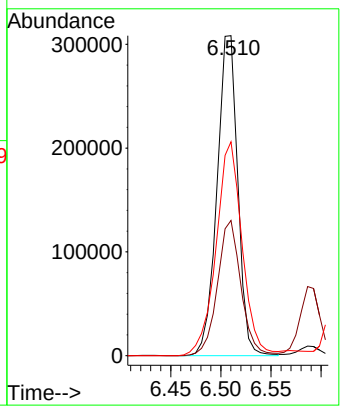


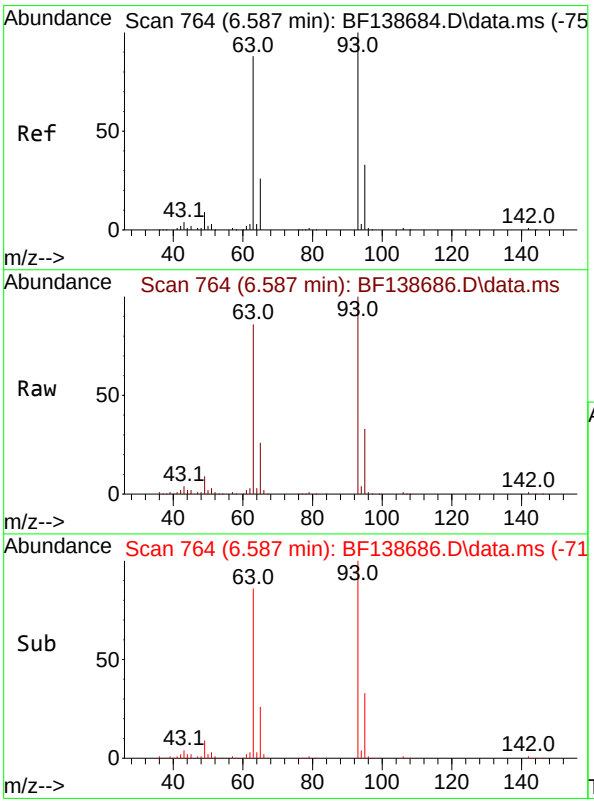
#10
Phenol
Concen: 58.012 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 94 Resp: 443551

Ion	Ratio	Lower	Upper
94	100		
65	42.2	16.9	56.9
66	66.8	36.5	76.5

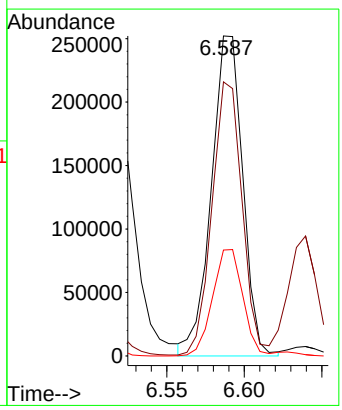


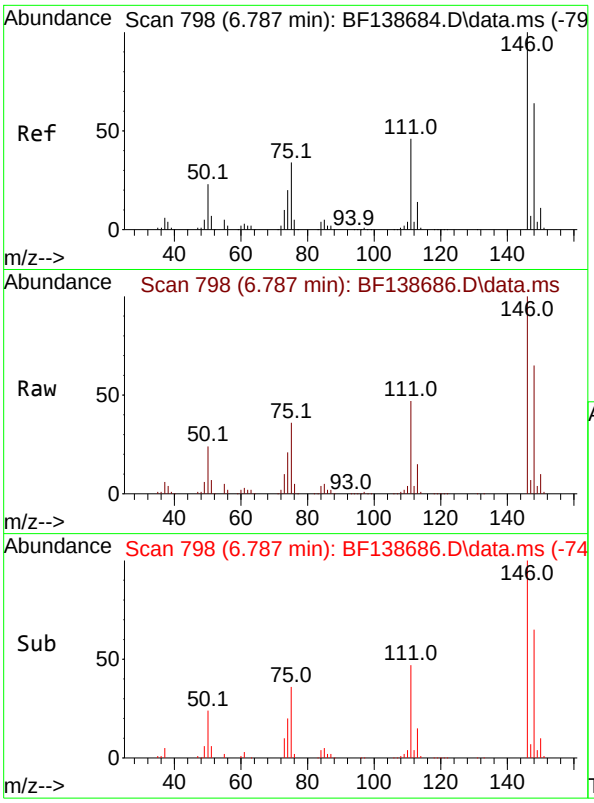


#11
bis(2-Chloroethyl)ether
Concen: 60.274 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 93 Resp: 354634

Ion	Ratio	Lower	Upper
93	100		
63	85.6	65.3	105.3
95	33.1	12.4	52.4



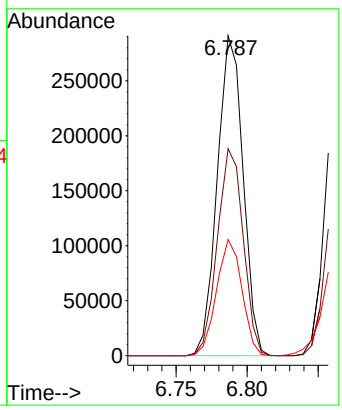


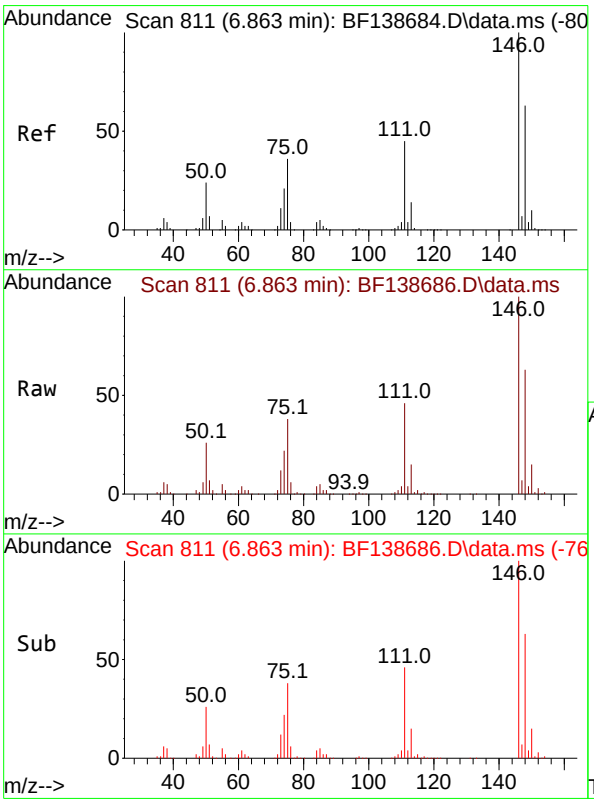
#12
1,3-Dichlorobenzene
Concen: 57.714 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 367637

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
75	36.3	27.4	41.2

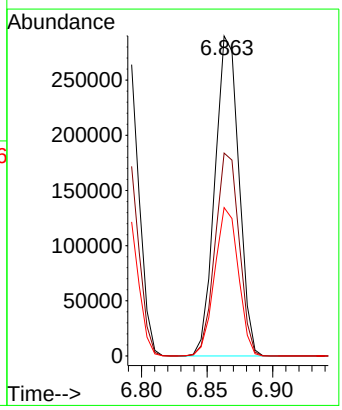


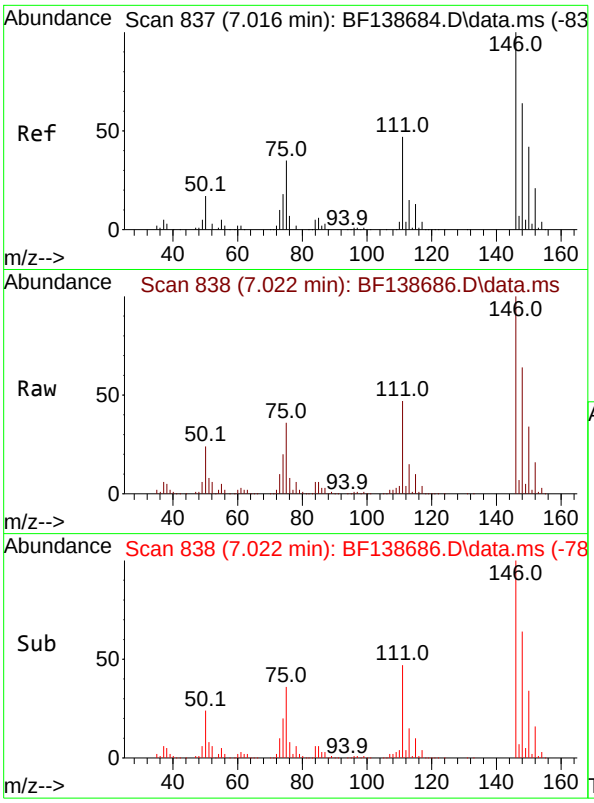


#13
1,4-Dichlorobenzene
Concen: 57.263 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:146 Resp: 368108

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	46.4	35.9	53.9



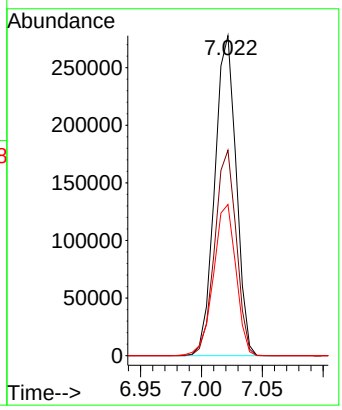


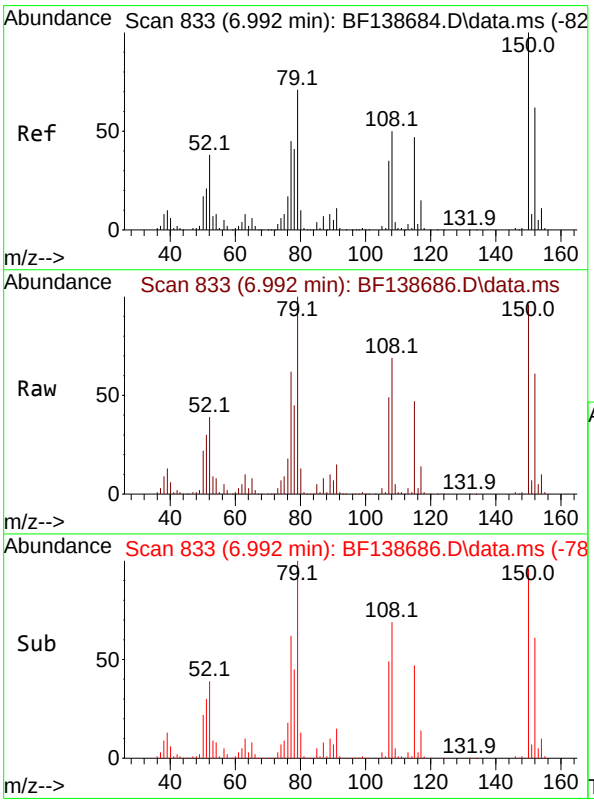
#14
1,2-Dichlorobenzene
Concen: 56.726 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 340797

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	47.2	37.4	56.2

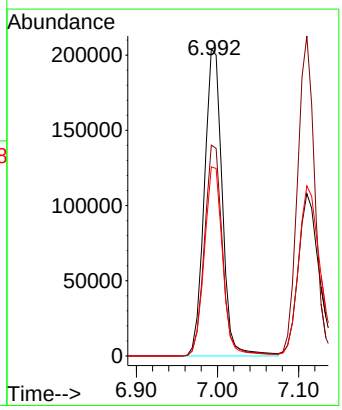


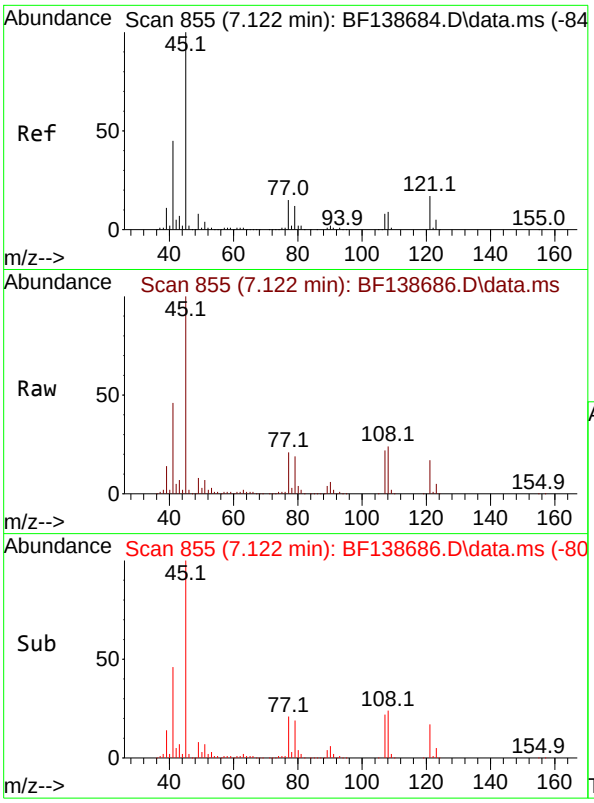


#15
Benzyl Alcohol
Concen: 59.644 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 79 Resp: 312171

Ion	Ratio	Lower	Upper
79	100		
108	68.7	56.6	85.0
77	61.6	50.3	75.5



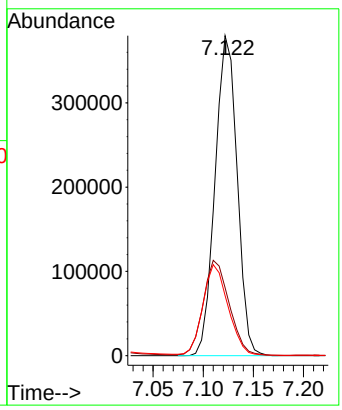


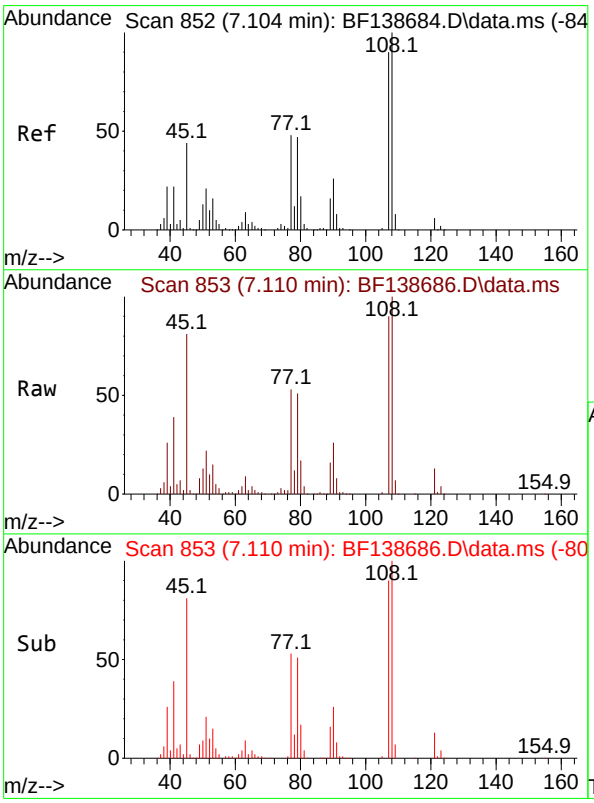
#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.327 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 45 Resp: 580475

Ion	Ratio	Lower	Upper
45	100		
77	21.2	0.0	34.9
79	18.8	0.0	32.2

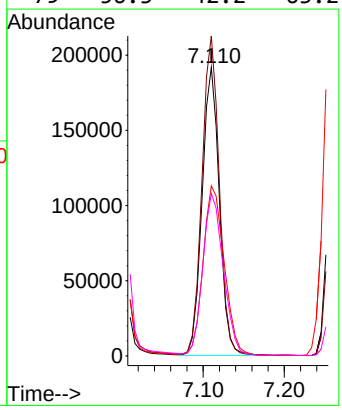


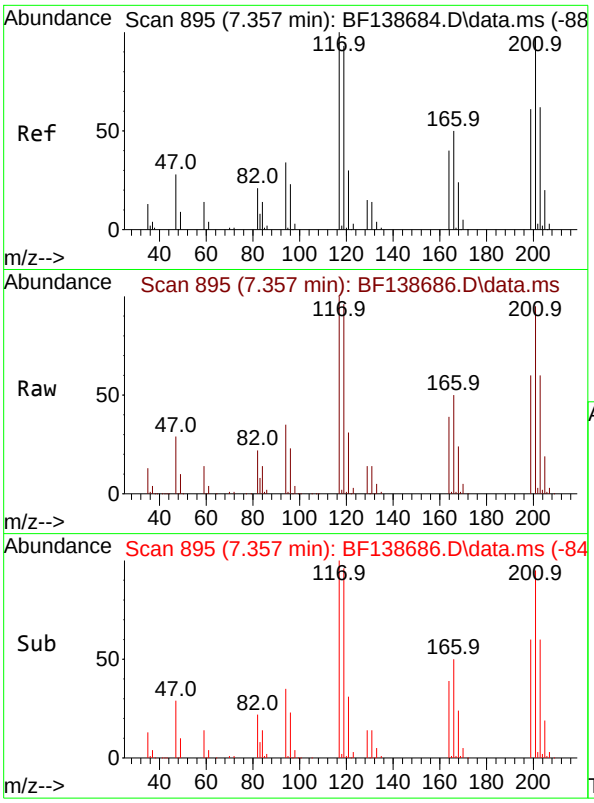


#17
2-Methylphenol
Concen: 60.223 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:107 Resp: 282986

Ion	Ratio	Lower	Upper
107	100		
108	110.9	89.2	133.8
77	58.9	43.0	64.4
79	56.3	42.2	63.2



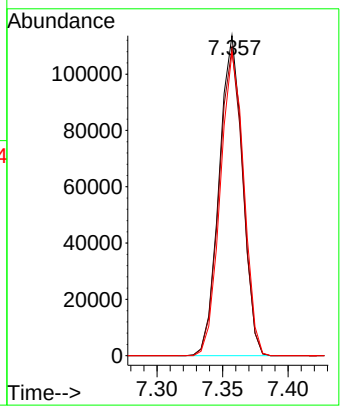


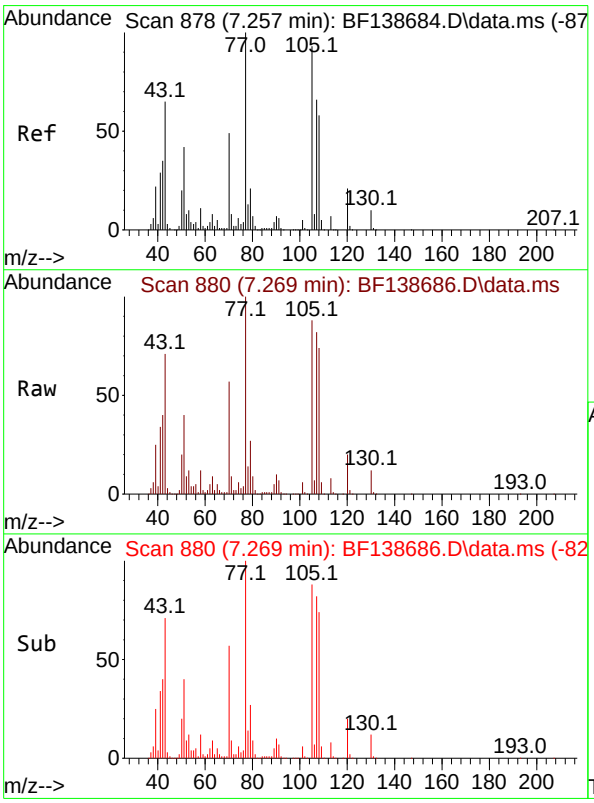
#18
Hexachloroethane
Concen: 58.427 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:117 Resp: 141381

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	111.8
201	94.8	77.2	115.8

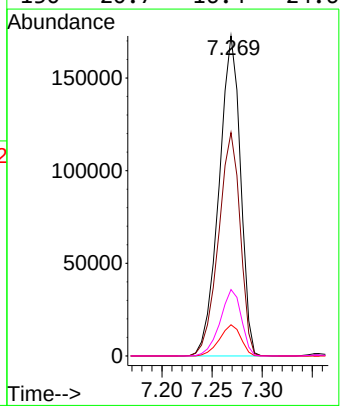


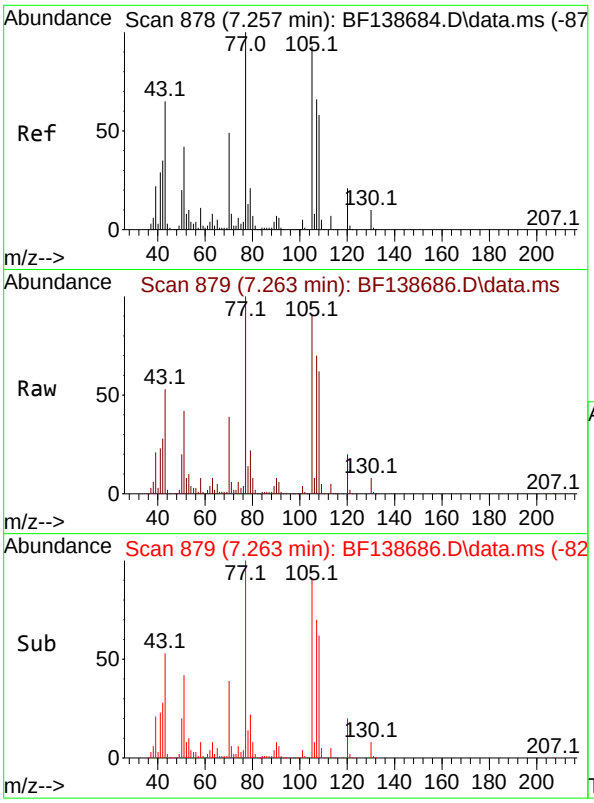


#19
n-Nitroso-di-n-propylamine
Concen: 58.537 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 70 Resp: 256740

Ion	Ratio	Lower	Upper
70	100		
42	69.8	57.4	86.0
101	9.7	7.5	11.3
130	20.7	16.4	24.6



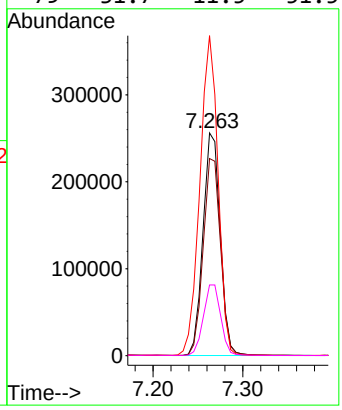


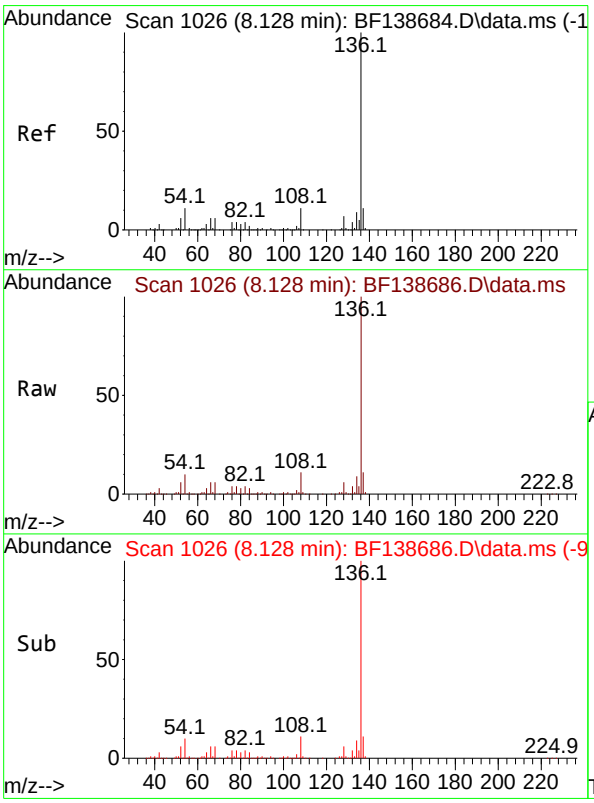
#20
3+4-Methylphenols
Concen: 56.705 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 341873

Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.2	108.2
77	143.7	132.1	172.1
79	31.7	11.5	51.5

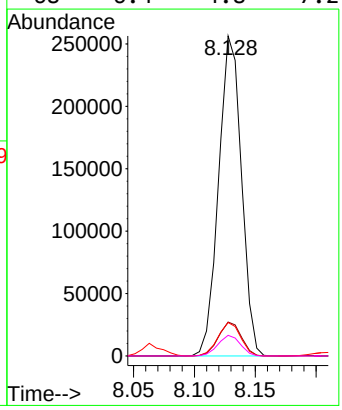


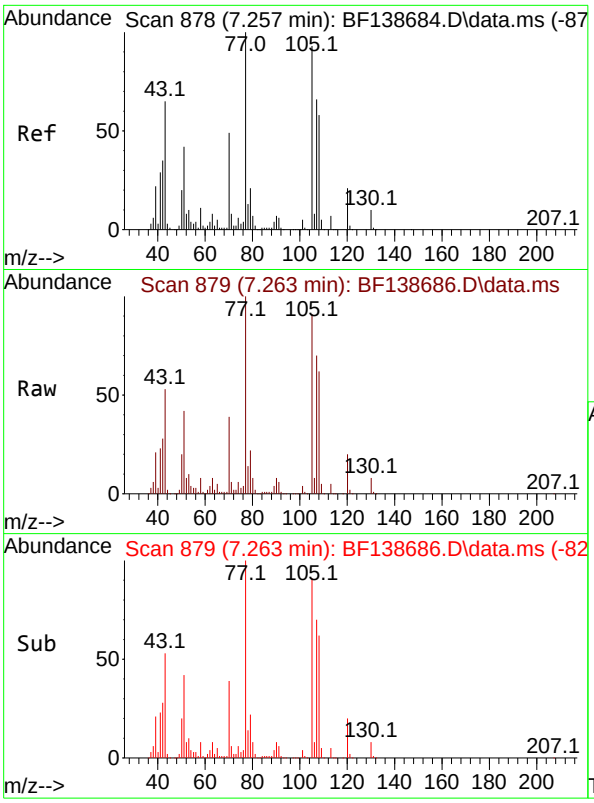


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:136 Resp: 334760

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.5	8.6	12.8
68	6.4	4.8	7.2



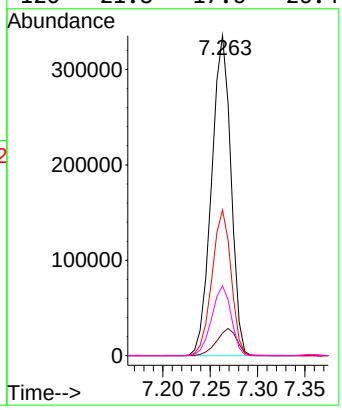


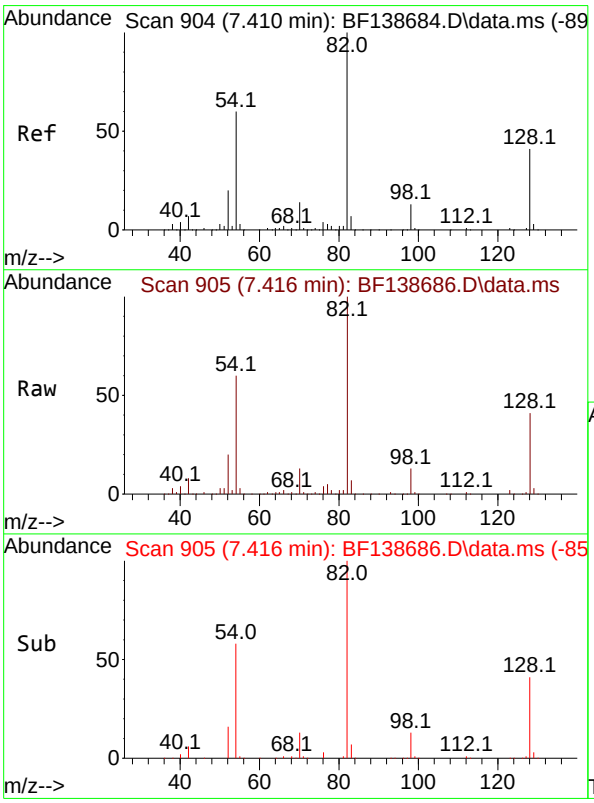
#22
Acetophenone
Concen: 58.203 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:105 Resp: 477062

Ion	Ratio	Lower	Upper
105	100		
71	7.1	7.2	10.8#
51	45.6	35.9	53.9
120	21.8	17.6	26.4

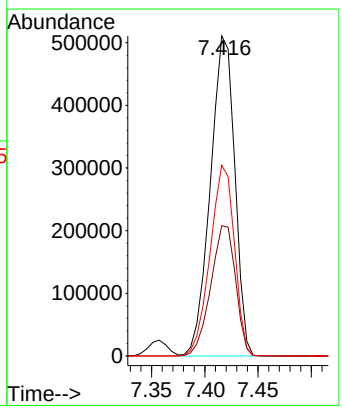


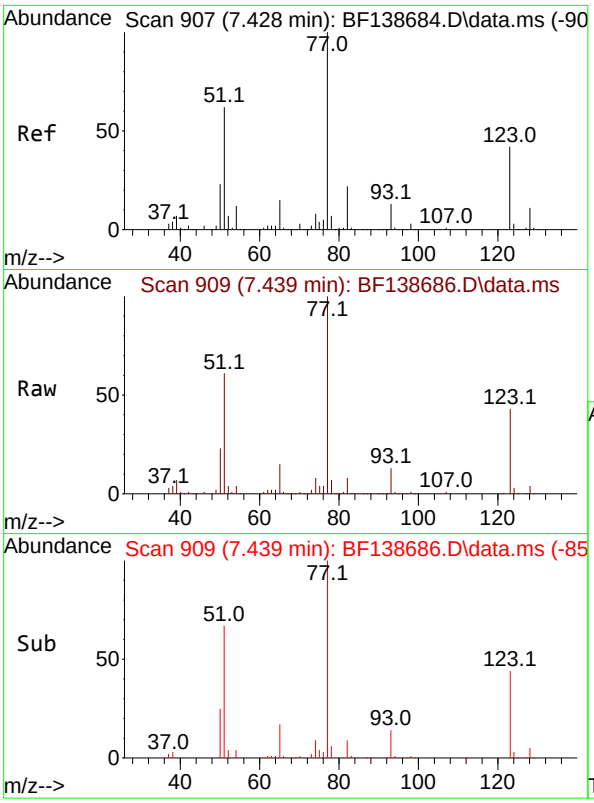


#23
Nitrobenzene-d5
Concen: 118.860 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 82 Resp: 813835

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.8	49.2
54	59.6	48.3	72.5



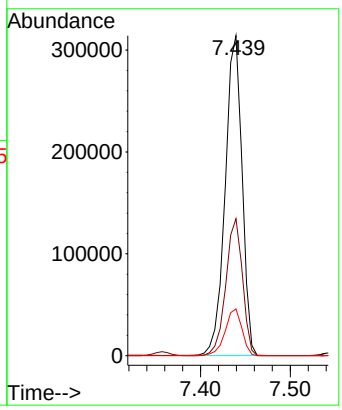


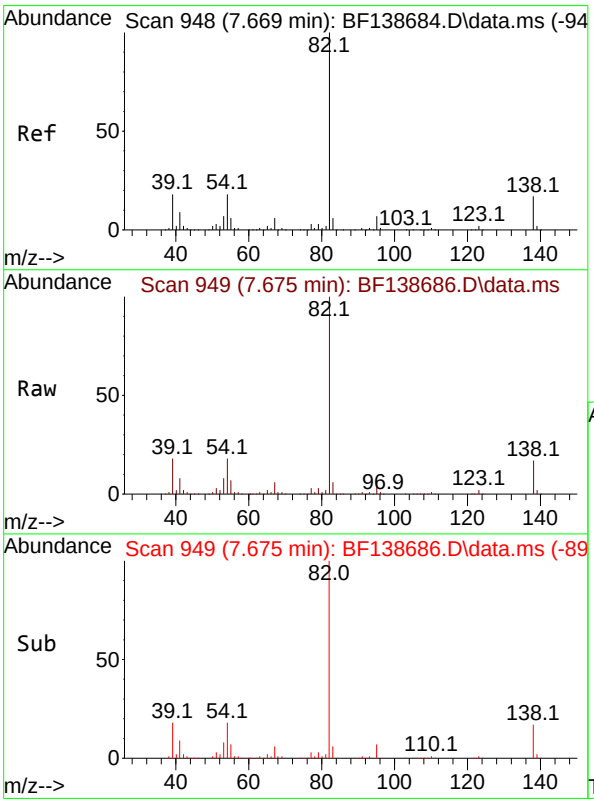
#24
Nitrobenzene
Concen: 58.938 ng
RT: 7.439 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 410640

Ion	Ratio	Lower	Upper
77	100		
123	42.8	33.3	49.9
65	14.6	11.9	17.9

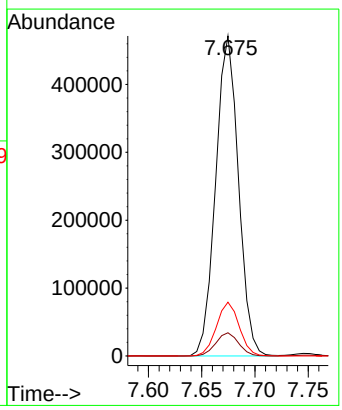


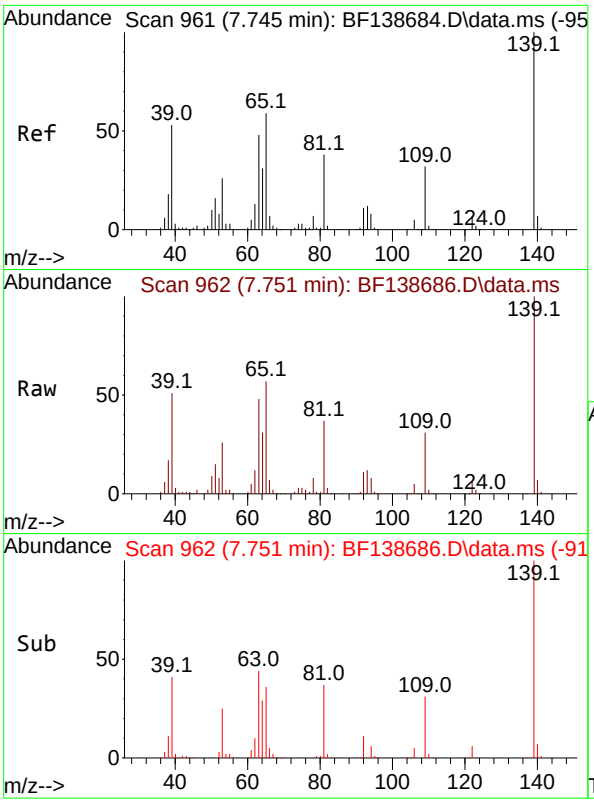


#25
Isophorone
Concen: 59.885 ng
RT: 7.675 min Scan# 949
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 82 Resp: 700155

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.7	8.5
138	16.8	13.7	20.5



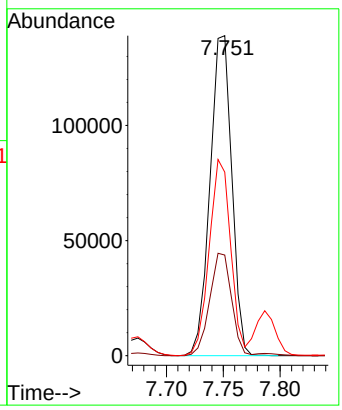


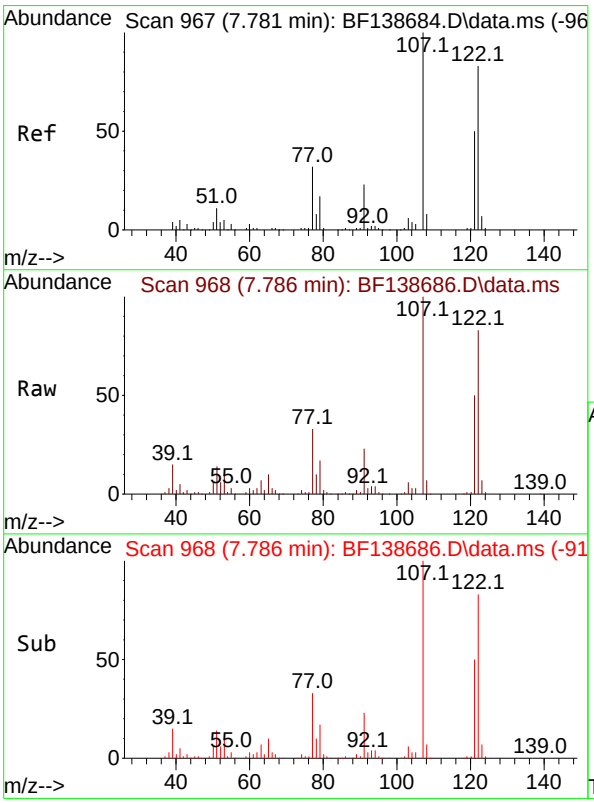
#26
2-Nitrophenol
Concen: 61.782 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:139 Resp: 185196

Ion	Ratio	Lower	Upper
139	100		
109	31.4	25.9	38.9
65	57.4	47.0	70.6

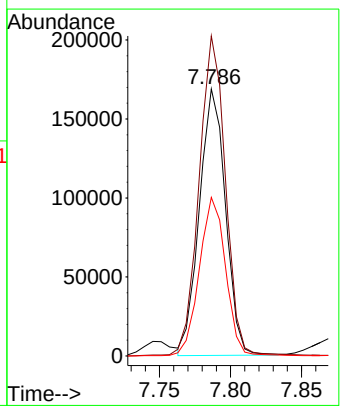


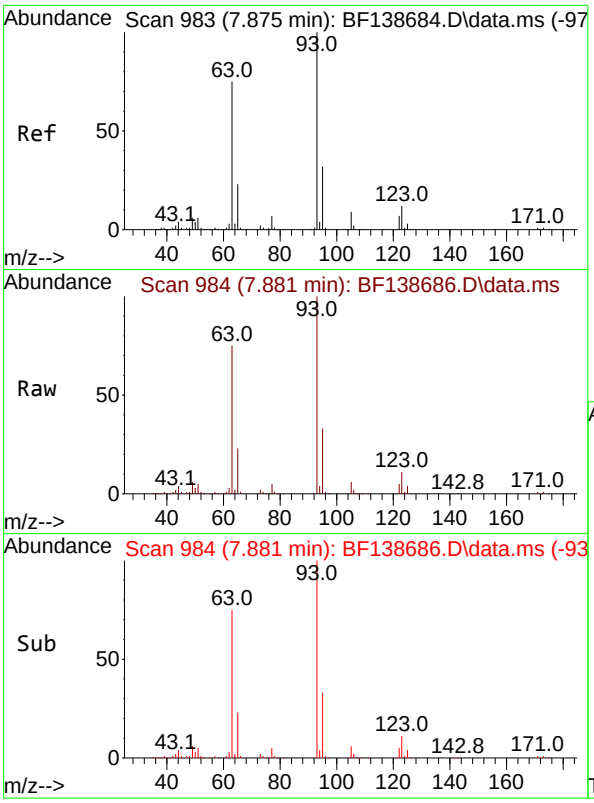


#27
2,4-Dimethylphenol
Concen: 60.254 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:122 Resp: 216101

Ion	Ratio	Lower	Upper
122	100		
107	119.8	95.0	142.6
121	59.4	47.3	70.9



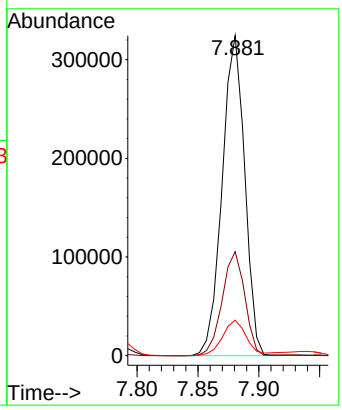


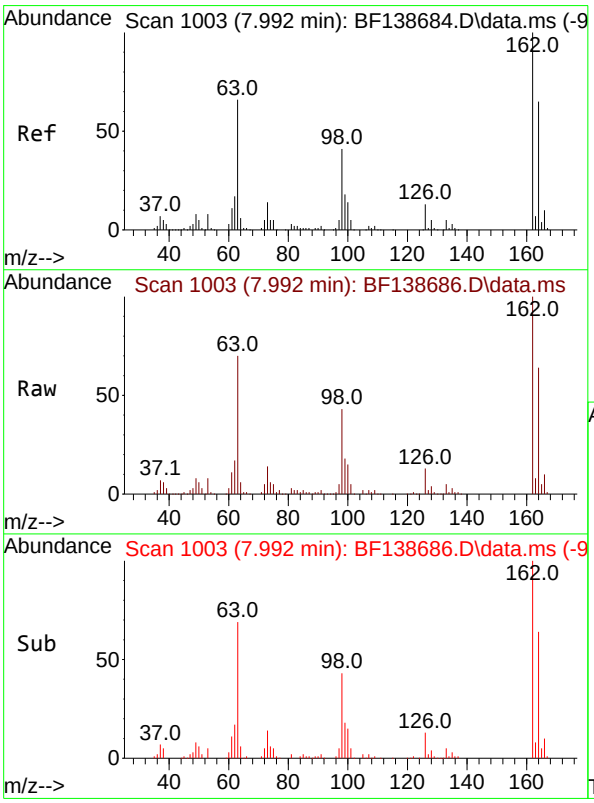
#28
bis(2-Chloroethoxy)methane
Concen: 58.667 ng
RT: 7.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 417700

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.1	9.4	14.0

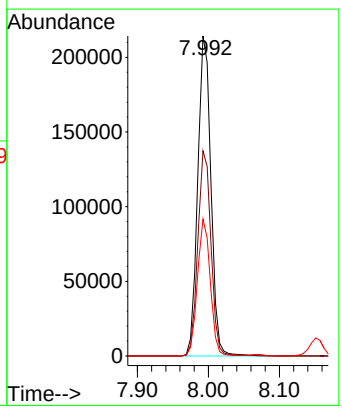


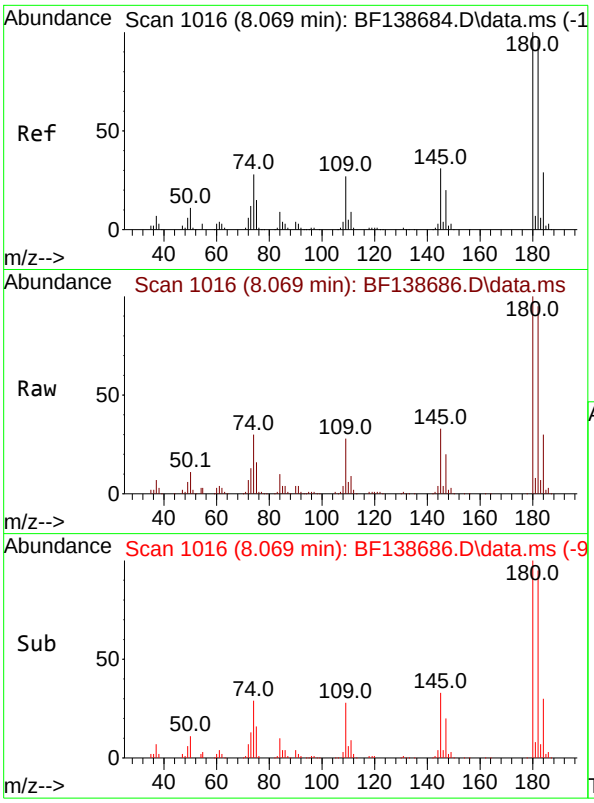


#29
2,4-Dichlorophenol
Concen: 60.060 ng
RT: 7.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:162 Resp: 276792

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.7	84.7
98	42.8	20.8	60.8



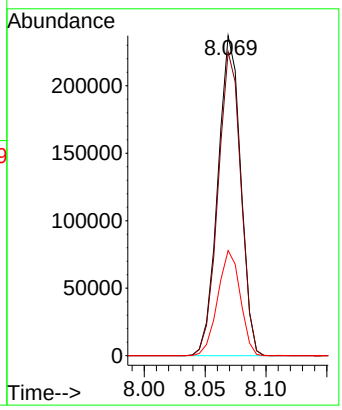


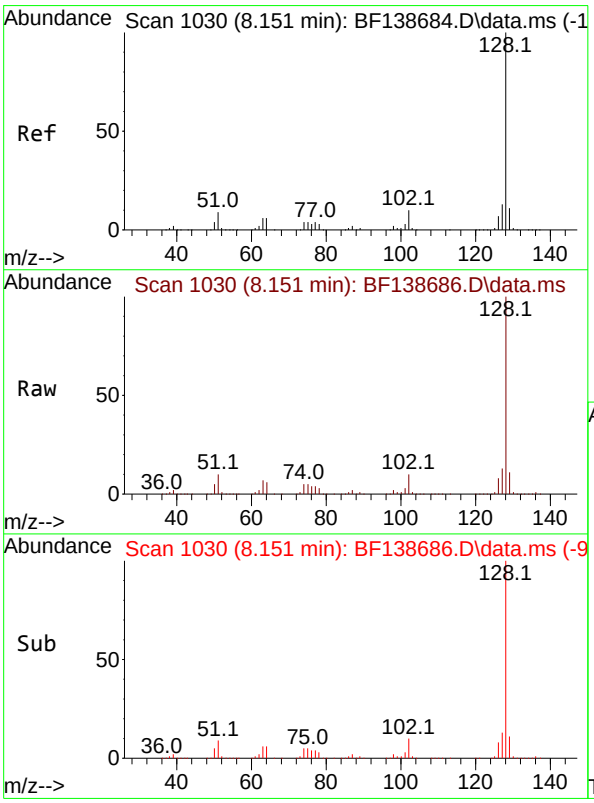
#30
1,2,4-Trichlorobenzene
Concen: 58.085 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:180 Resp: 308922

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	32.9	25.0	37.4

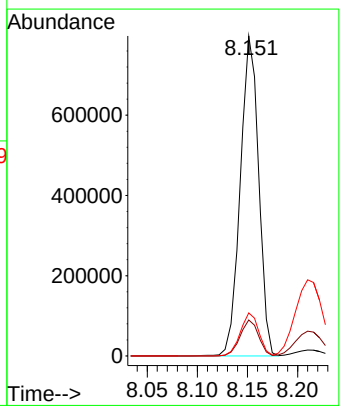


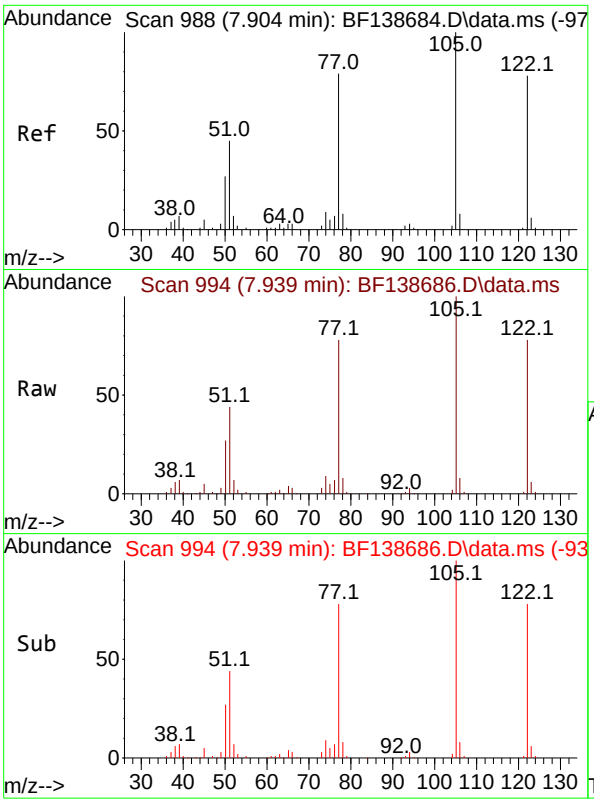


#31
Naphthalene
Concen: 57.817 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:128 Resp: 1018783

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.5	10.6	16.0



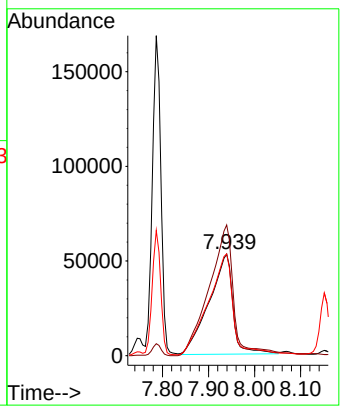


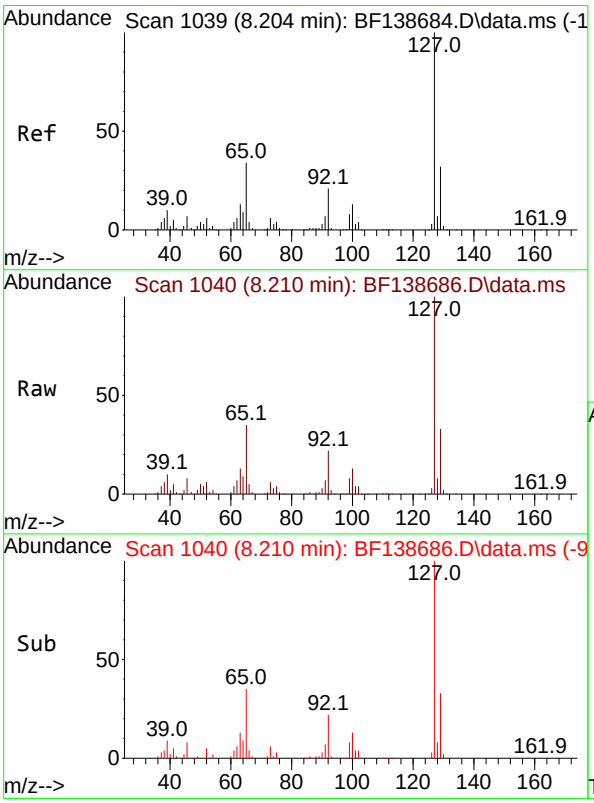
#32
Benzoic acid
Concen: 67.875 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 191273

Ion	Ratio	Lower	Upper
122	100		
105	128.7	106.7	146.7
77	100.2	81.1	121.1

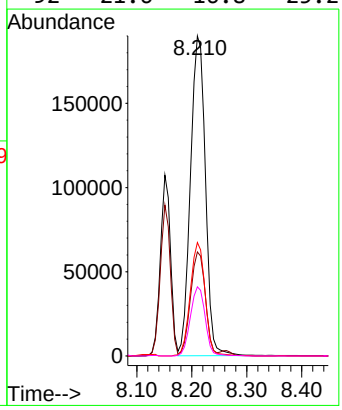


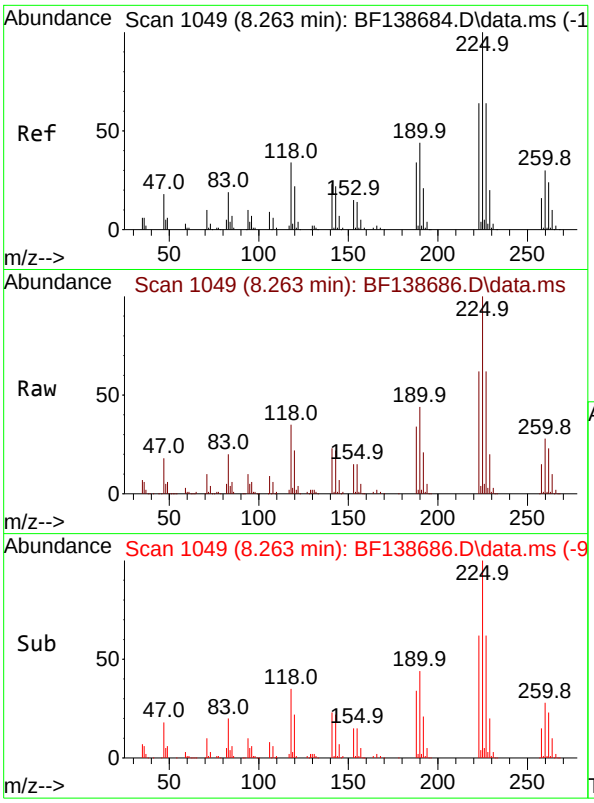


#33
4-Chloroaniline
Concen: 60.700 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:127 Resp: 359031

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.9	38.9
65	35.4	27.6	41.4
92	21.6	16.8	25.2



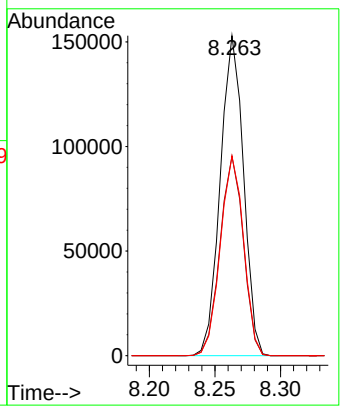


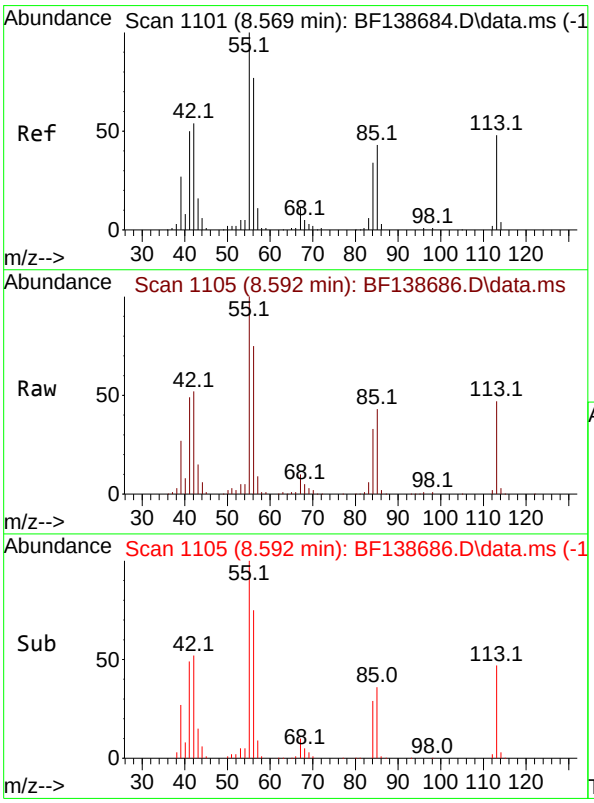
#34
Hexachlorobutadiene
Concen: 58.445 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:225 Resp: 188273

Ion	Ratio	Lower	Upper
225	100		
223	62.4	51.2	76.8
227	62.3	51.1	76.7

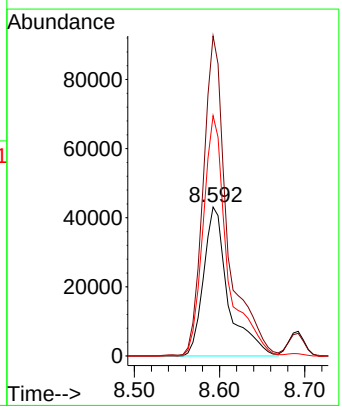


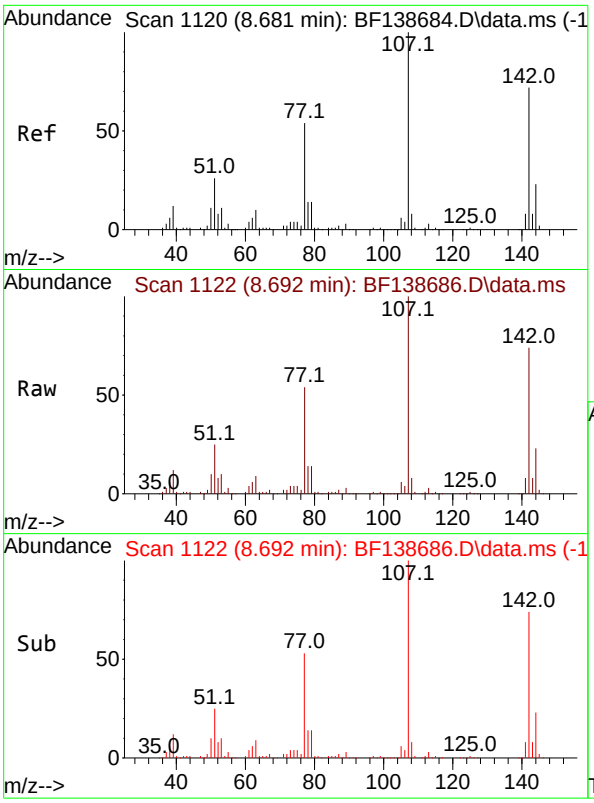


#35
Caprolactam
Concen: 63.184 ng
RT: 8.592 min Scan# 1105
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:113 Resp: 86887

Ion	Ratio	Lower	Upper
113	100		
55	214.9	186.7	226.7
56	161.4	138.9	178.9



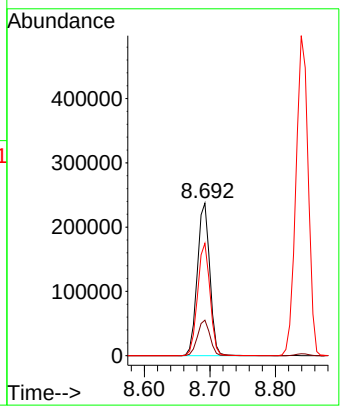


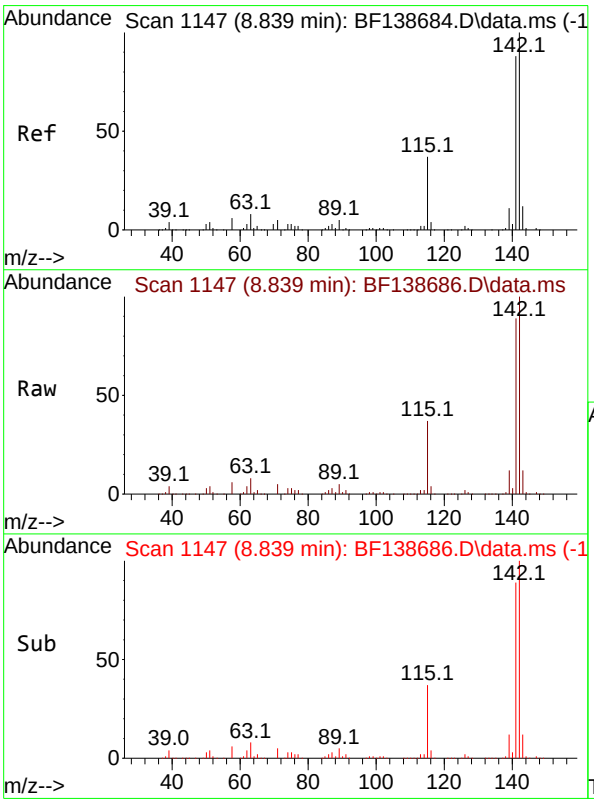
#36
4-Chloro-3-methylphenol
Concen: 59.904 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 315510

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.2	27.2
142	73.7	57.4	86.2

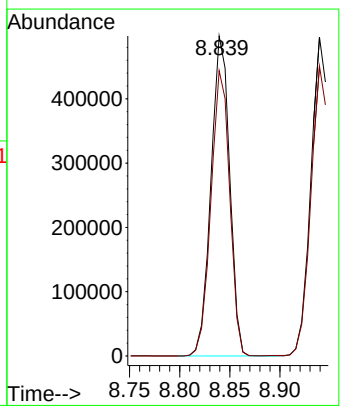


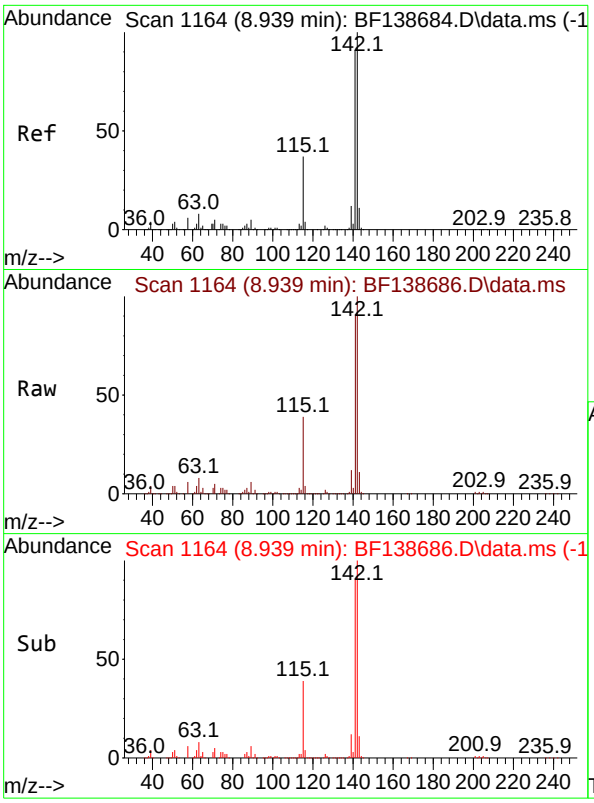


#37
2-Methylnaphthalene
Concen: 57.790 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:142 Resp: 643115

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2



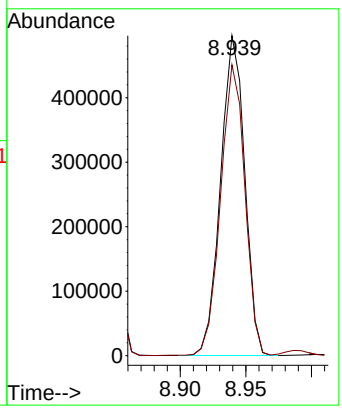


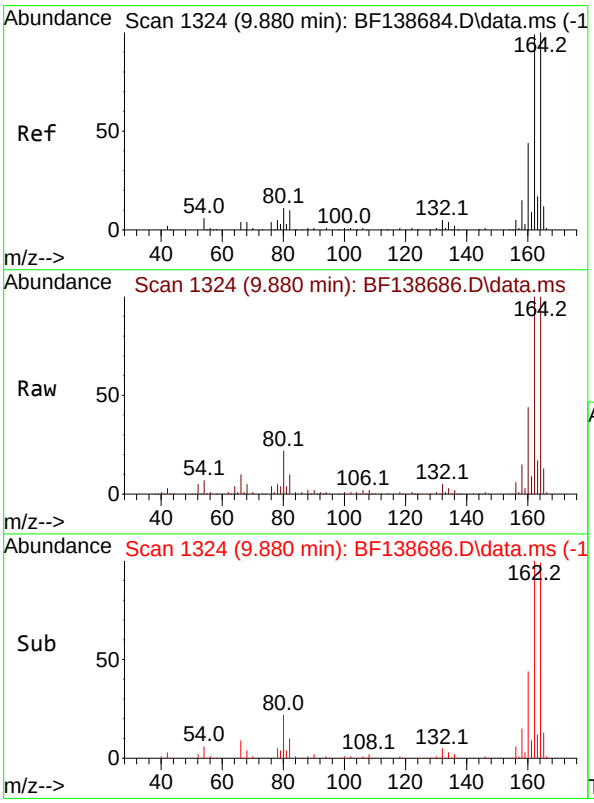
#38
1-Methylnaphthalene
Concen: 58.134 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 633938

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.1	109.7

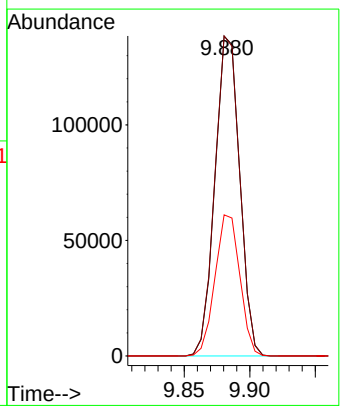


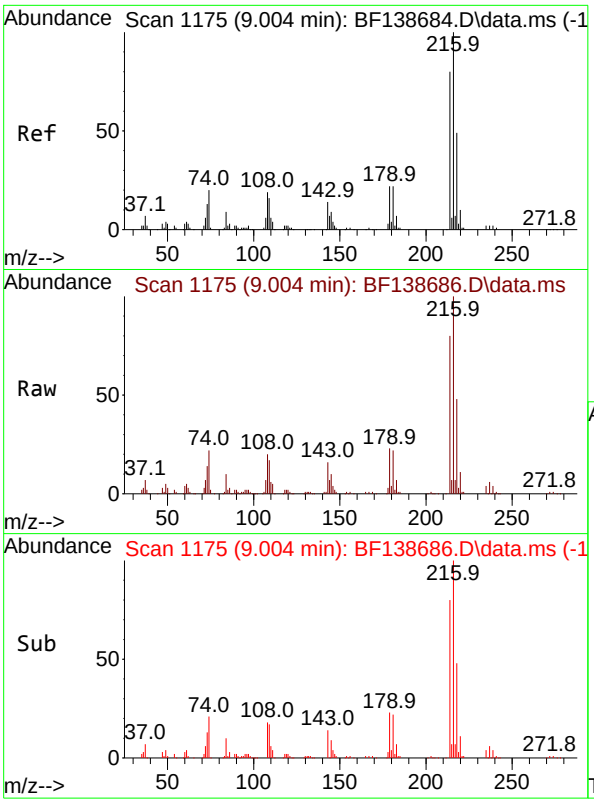


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:164 Resp: 181338

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.1	35.1	52.7



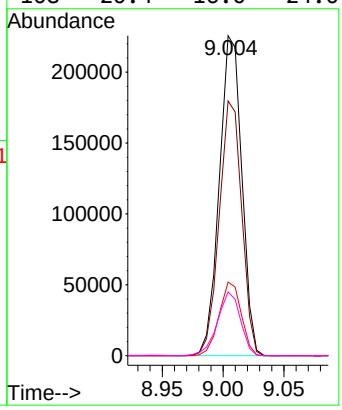


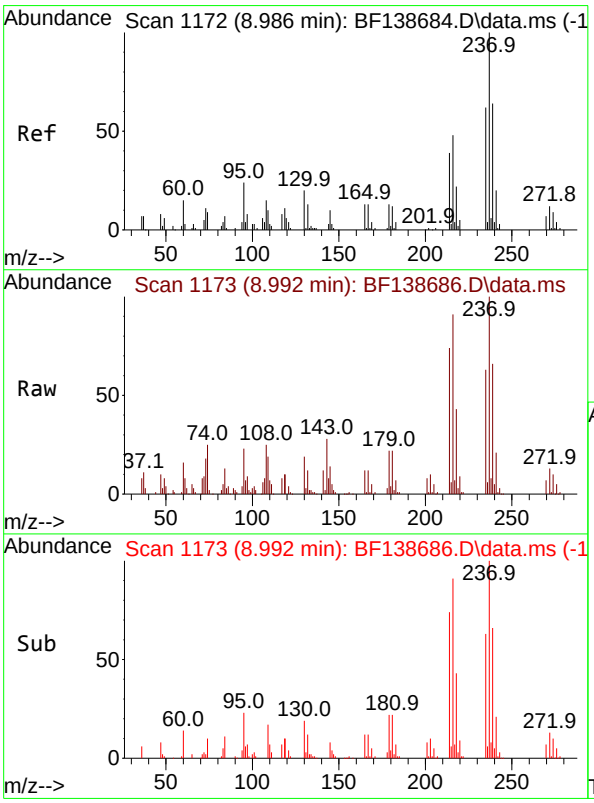
#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.629 ng
RT: 9.004 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:216 Resp: 290297

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.9	95.9
179	22.7	17.8	26.6
108	20.4	16.0	24.0

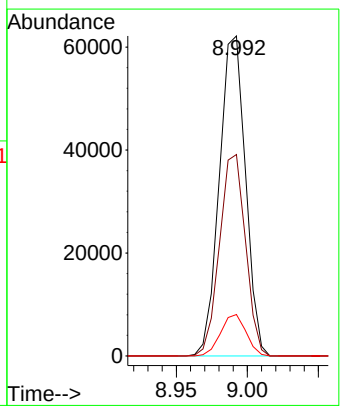


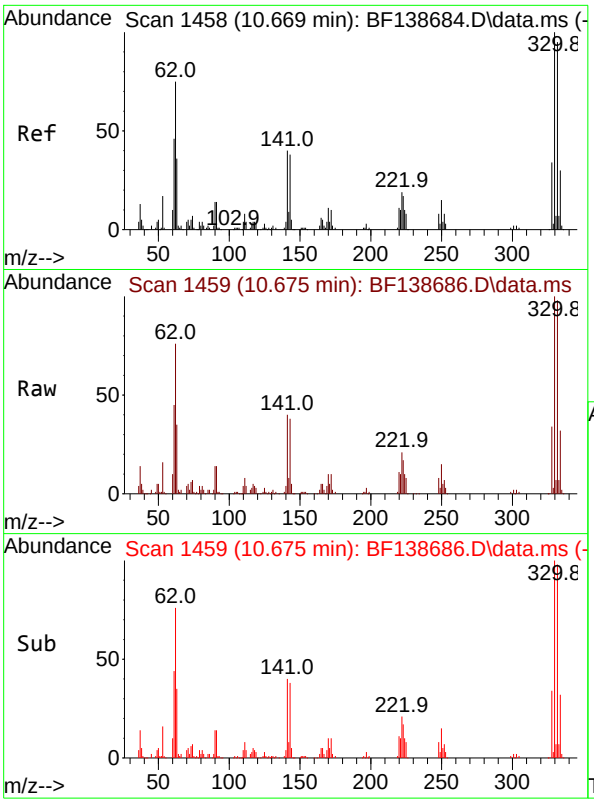


#41
Hexachlorocyclopentadiene
Concen: 61.472 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:237 Resp: 79605

Ion	Ratio	Lower	Upper
237	100		
235	63.0	41.8	81.8
272	13.0	0.0	32.2



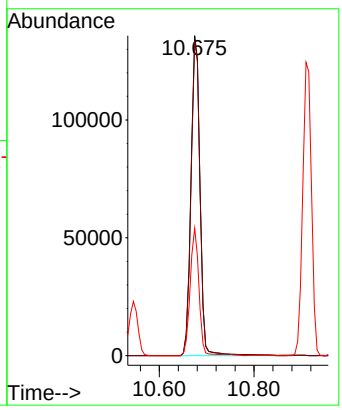


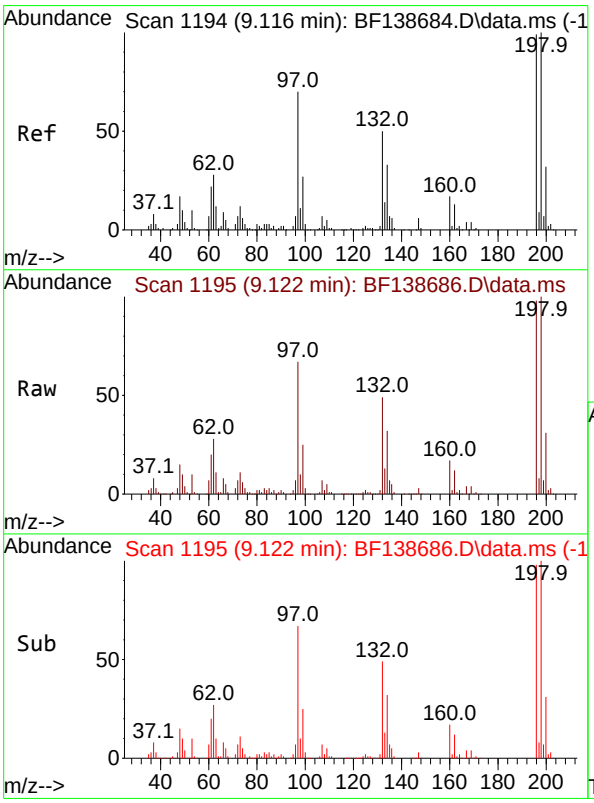
#42
2,4,6-Tribromophenol
Concen: 121.541 ng
RT: 10.675 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:330 Resp: 180537

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.4	114.6
141	38.5	31.1	46.7

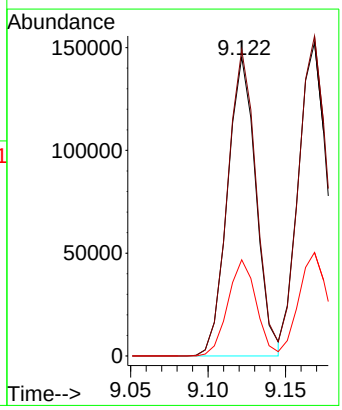


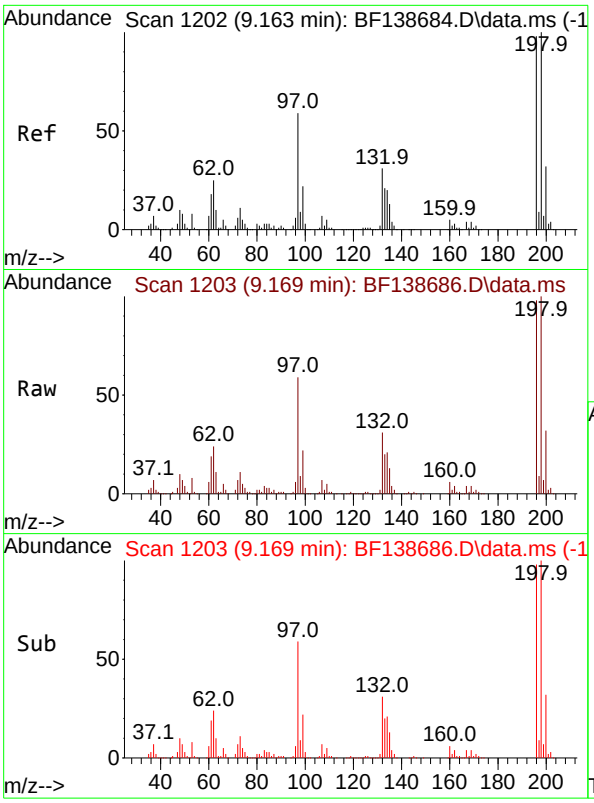


#43
2,4,6-Trichlorophenol
Concen: 60.432 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:196 Resp: 185606

Ion	Ratio	Lower	Upper
196	100		
198	102.4	80.5	120.7
200	32.1	25.9	38.9



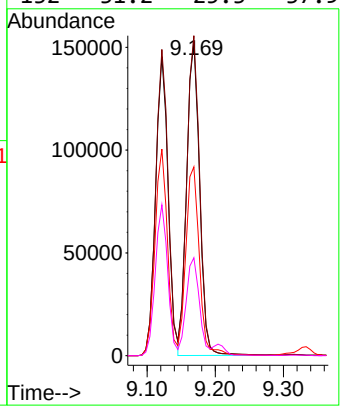


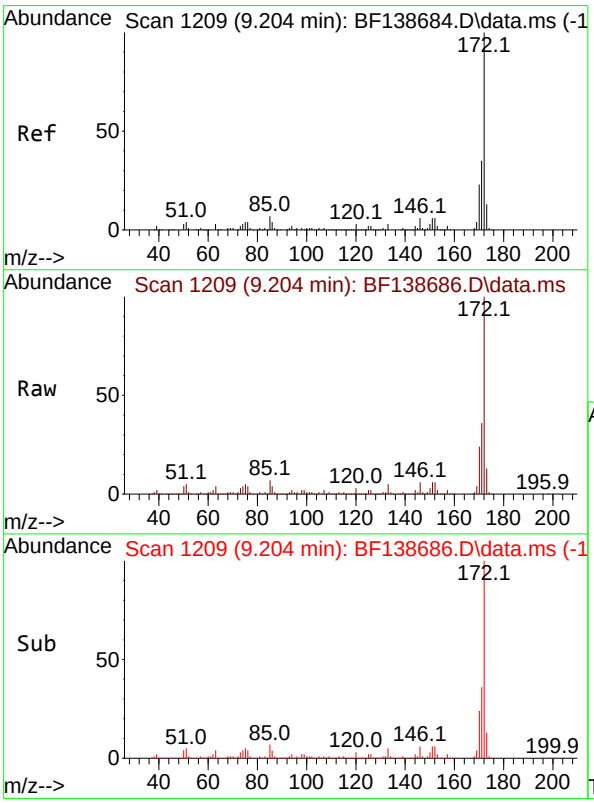
#44
2,4,5-Trichlorophenol
Concen: 59.615 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 200163

Ion	Ratio	Lower	Upper
196	100		
198	102.1	81.2	121.8
97	60.2	47.8	71.6
132	31.2	25.3	37.9

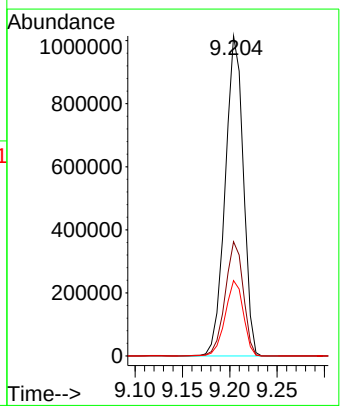


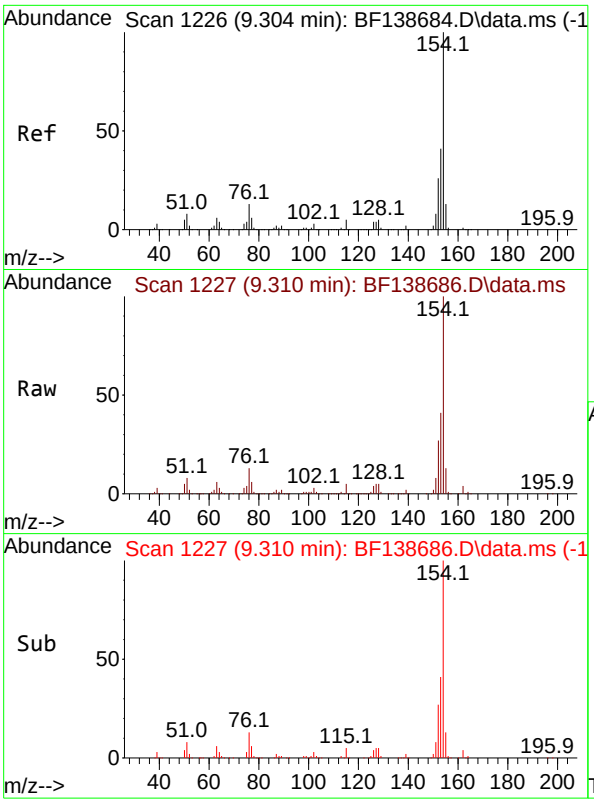


#45
2-Fluorobiphenyl
Concen: 111.967 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:172 Resp: 1351342

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.6	18.8	28.2



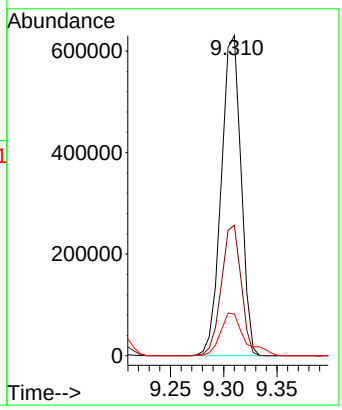


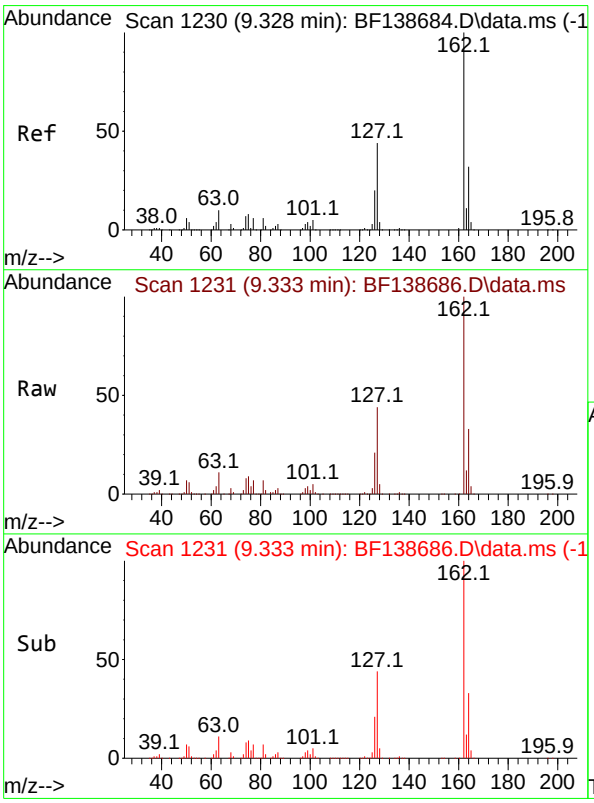
#46
1,1'-Biphenyl
Concen: 57.355 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 814566

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.1	0.0	32.8

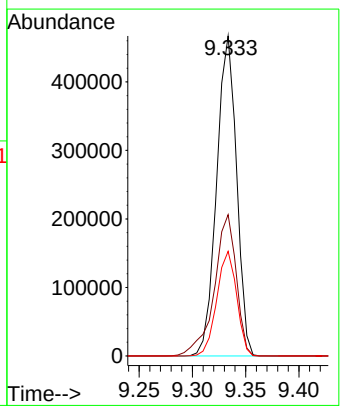


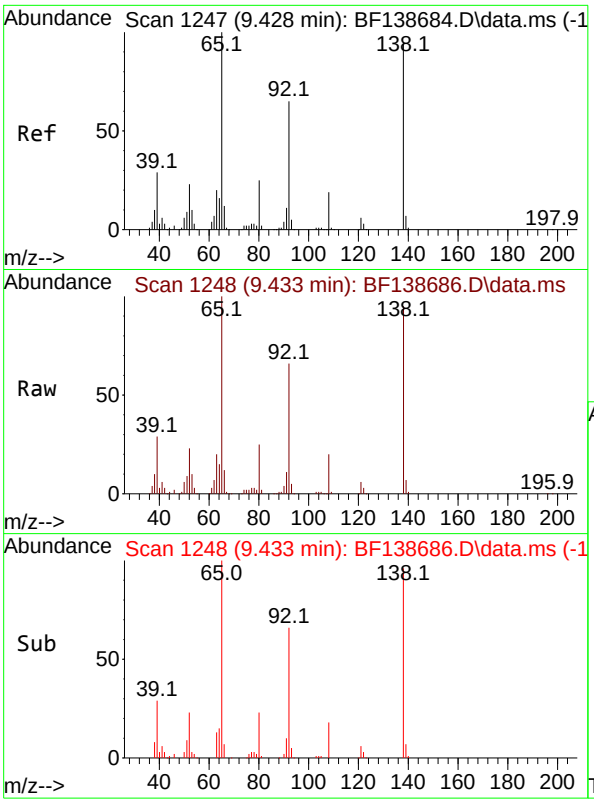


#47
2-Chloronaphthalene
Concen: 57.372 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:162 Resp: 605996

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.4	53.2
164	32.7	25.6	38.4



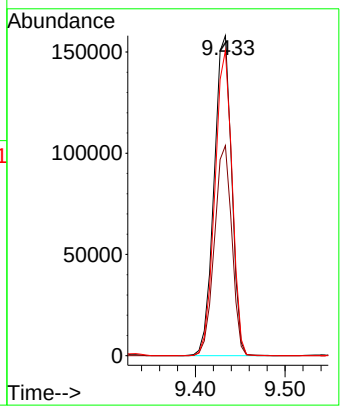


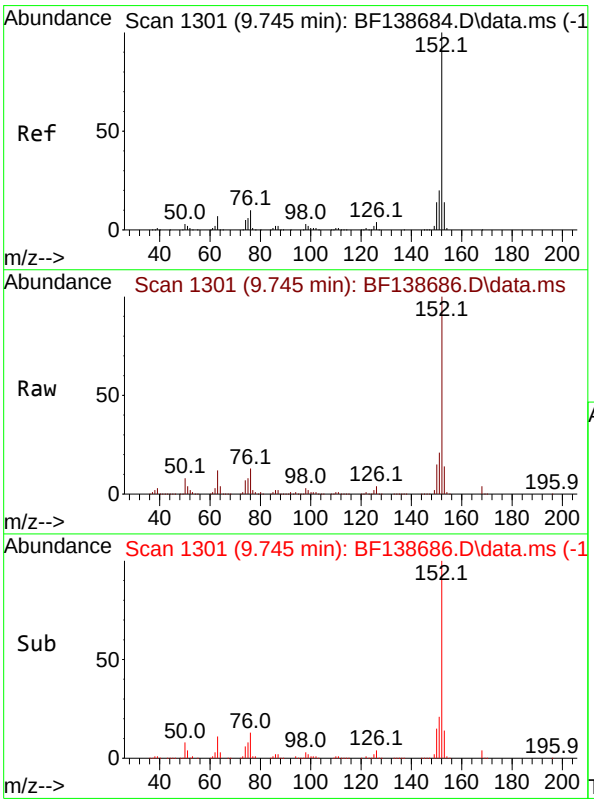
#48
2-Nitroaniline
Concen: 59.957 ng
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 65 Resp: 214695

Ion	Ratio	Lower	Upper
65	100		
92	65.7	52.0	78.0
138	95.4	76.2	114.4

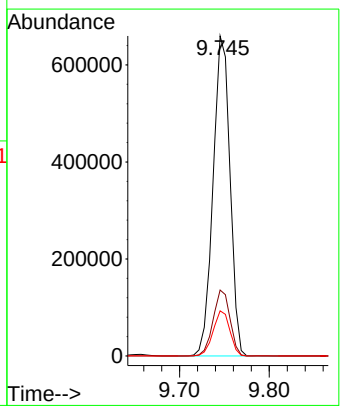


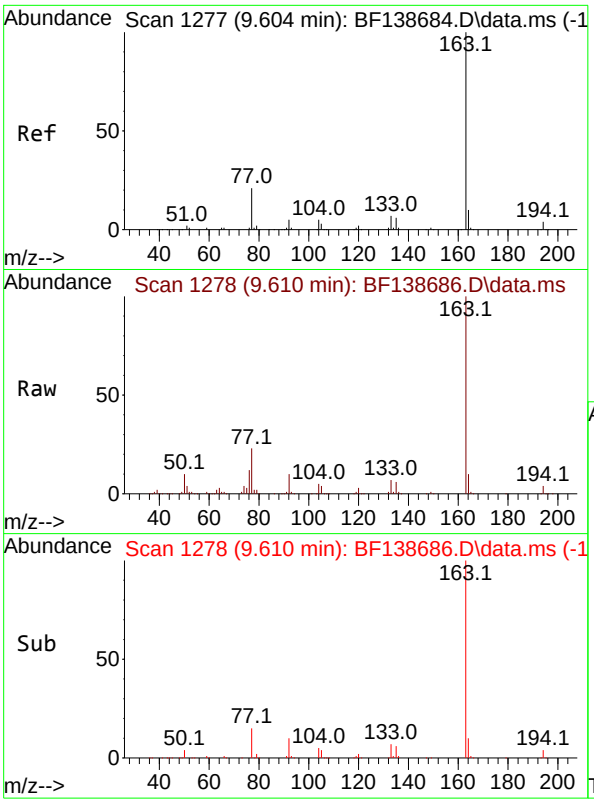


#49
Acenaphthylene
Concen: 57.648 ng
RT: 9.745 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:152 Resp: 863615

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	14.1	11.0	16.4



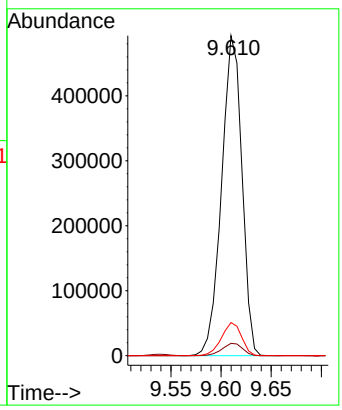


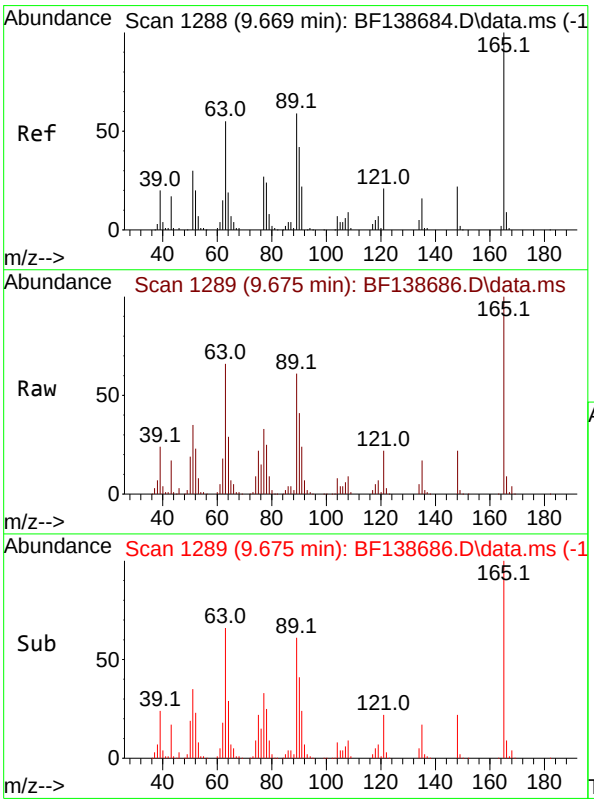
#50
Dimethylphthalate
Concen: 59.957 ng
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:163 Resp: 695202

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	7.8	11.8

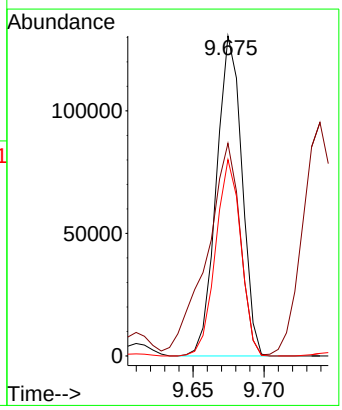


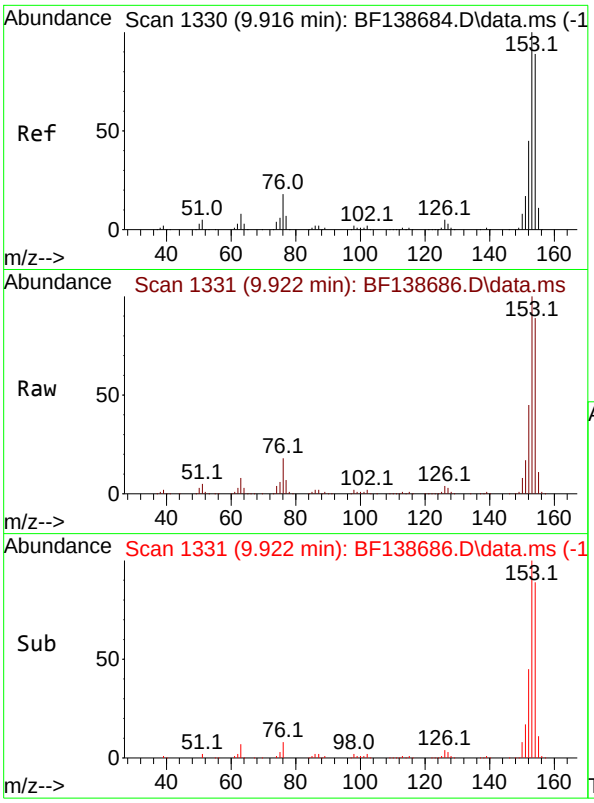


#51
2,6-Dinitrotoluene
Concen: 62.290 ng
RT: 9.675 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:165 Resp: 163000

Ion	Ratio	Lower	Upper
165	100		
63	66.5	52.0	78.0
89	61.3	47.0	70.6



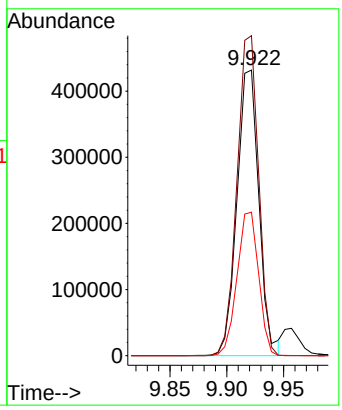


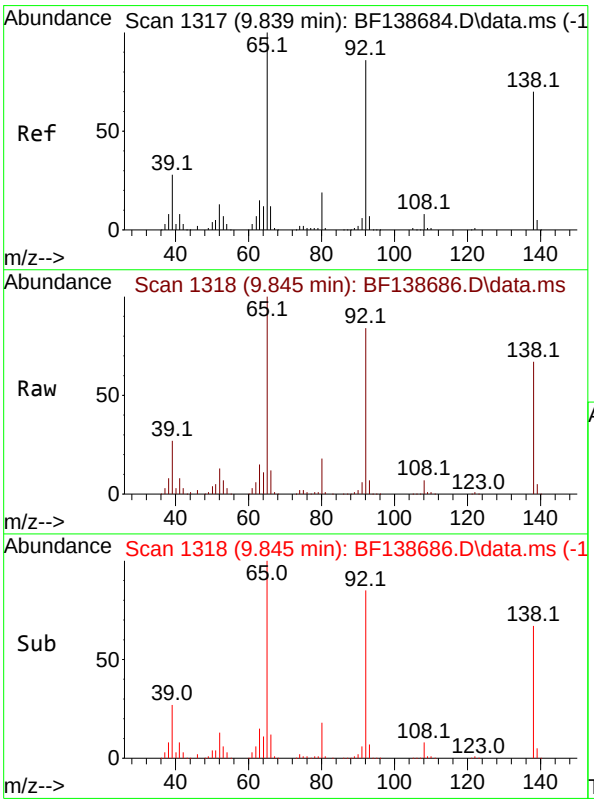
#52
Acenaphthene
Concen: 57.743 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:154 Resp: 581492

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.9	134.9
152	50.3	40.6	60.8

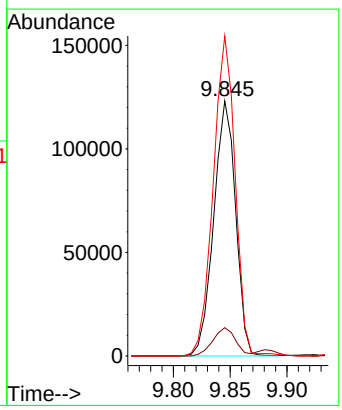


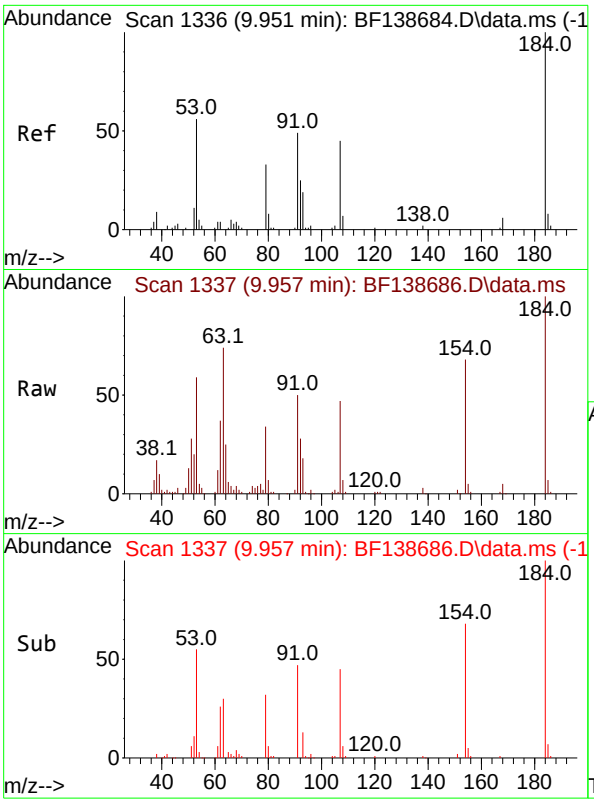


#53
3-Nitroaniline
Concen: 61.007 ng
RT: 9.845 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:138 Resp: 165034

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.1	13.7
92	125.5	98.7	148.1



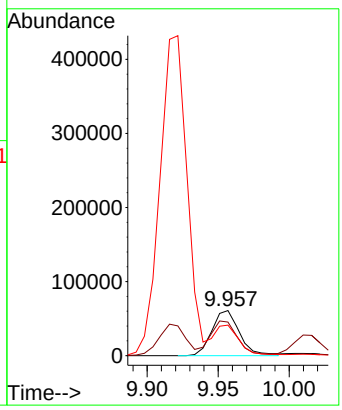


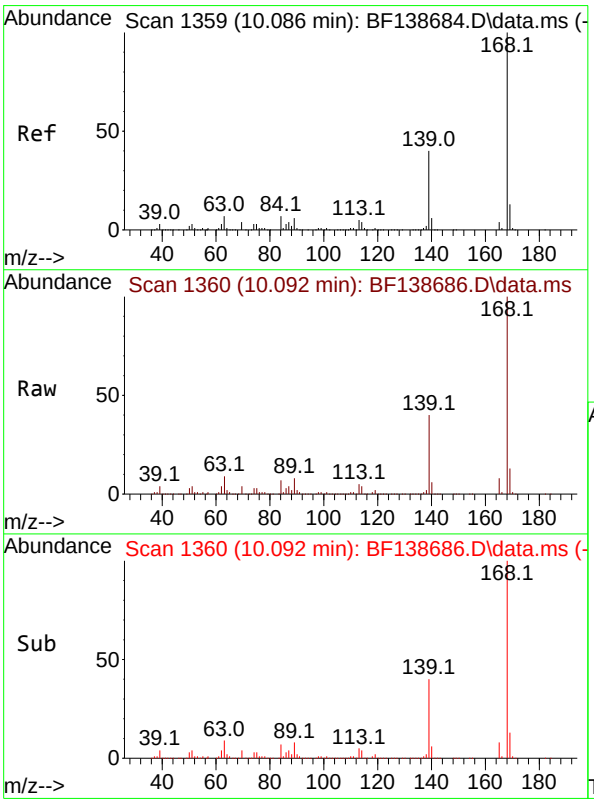
#54
2,4-Dinitrophenol
Concen: 68.448 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 82451

Ion	Ratio	Lower	Upper
184	100		
63	74.4	57.5	86.3
154	68.0	51.7	77.5

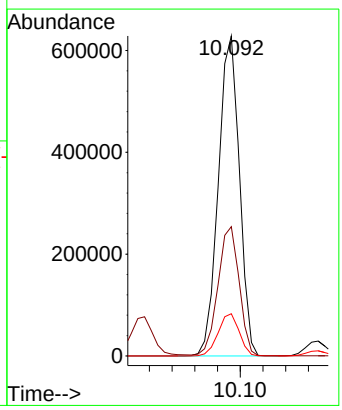


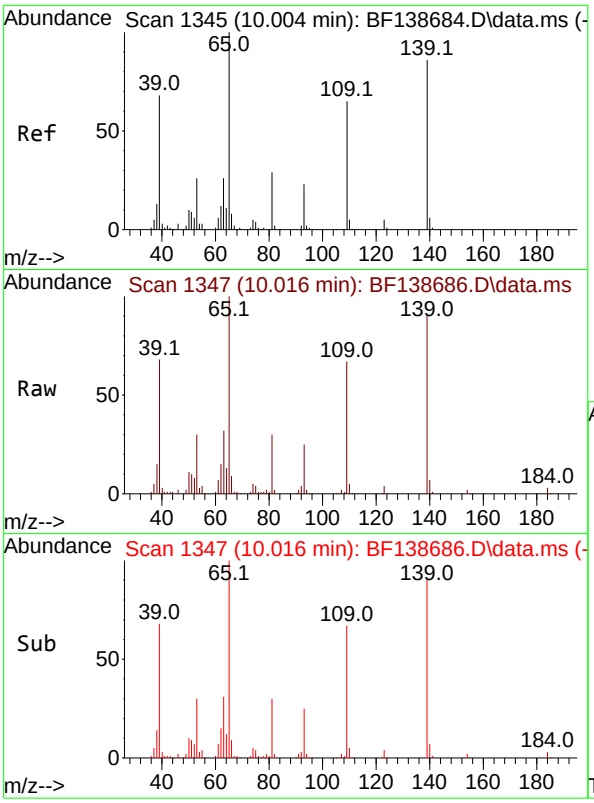


#55
Dibenzofuran
Concen: 56.948 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:168 Resp: 809534

Ion	Ratio	Lower	Upper
168	100		
139	40.4	32.6	49.0
169	13.2	10.7	16.1



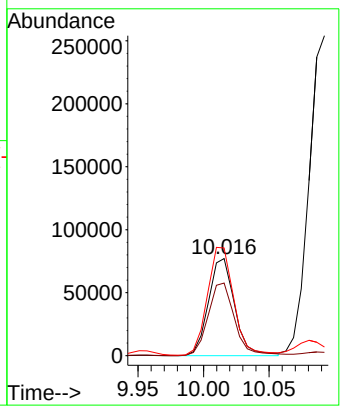


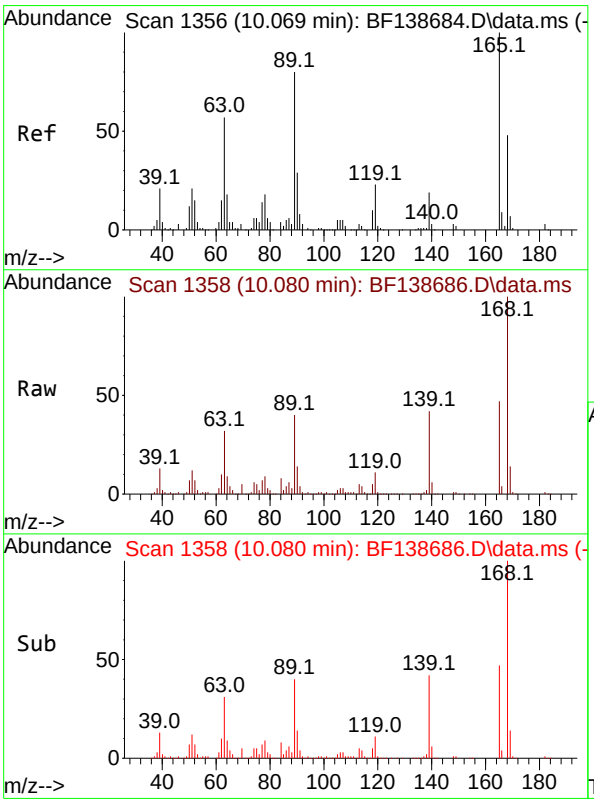
#56
4-Nitrophenol
Concen: 65.807 ng
RT: 10.016 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:139 Resp: 107052

Ion	Ratio	Lower	Upper
139	100		
109	74.9	55.5	95.5
65	111.0	96.7	136.7

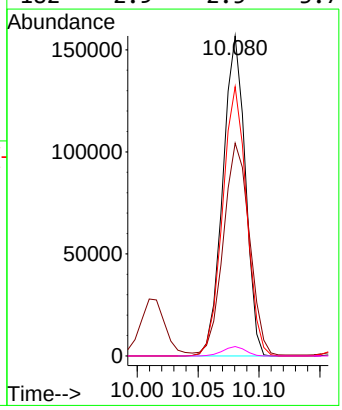


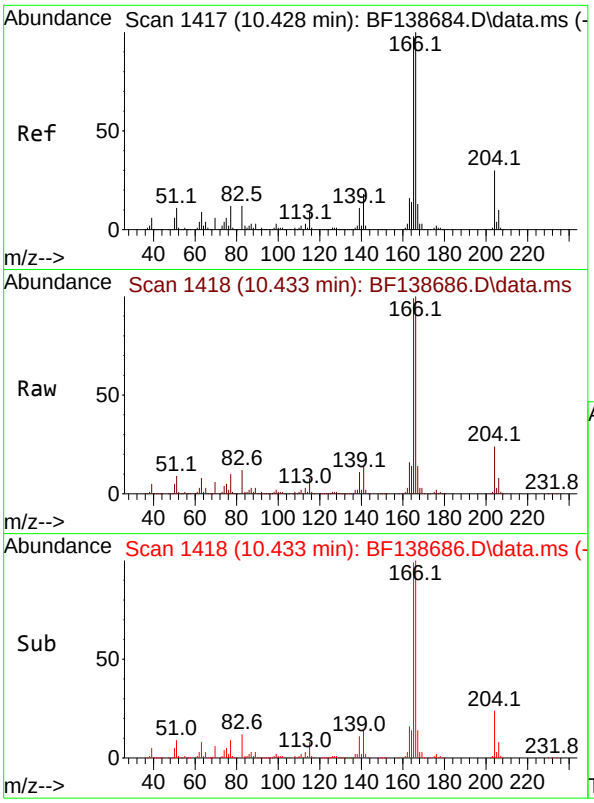


#57
2,4-Dinitrotoluene
Concen: 60.388 ng
RT: 10.080 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:165 Resp: 201610

Ion	Ratio	Lower	Upper
165	100		
63	66.5	46.3	69.5
89	84.2	64.2	96.4
182	2.9	2.5	3.7



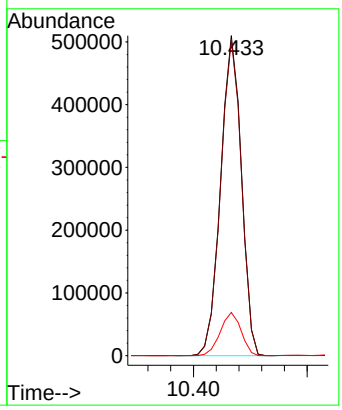


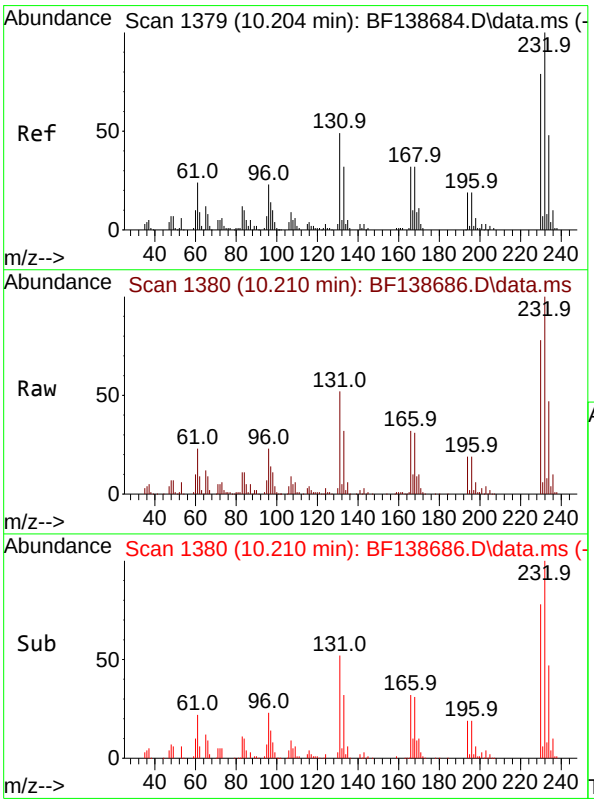
#58
Fluorene
Concen: 57.140 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:166 Resp: 646844

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	13.5	10.6	16.0

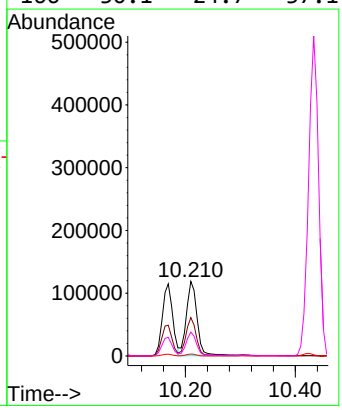


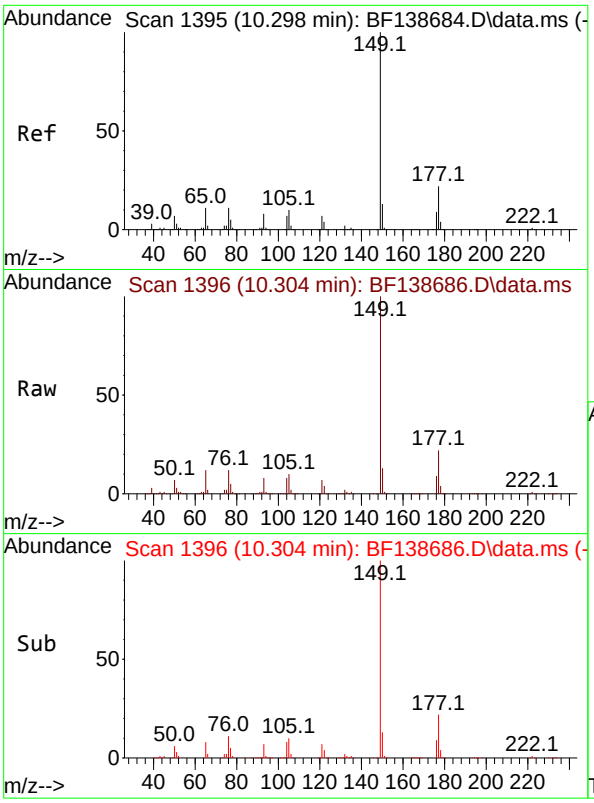


#59
2,3,4,6-Tetrachlorophenol
Concen: 63.494 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:232 Resp: 162987

Ion	Ratio	Lower	Upper
232	100		
131	48.9	37.0	55.4
130	2.4	2.0	3.0
166	30.1	24.7	37.1



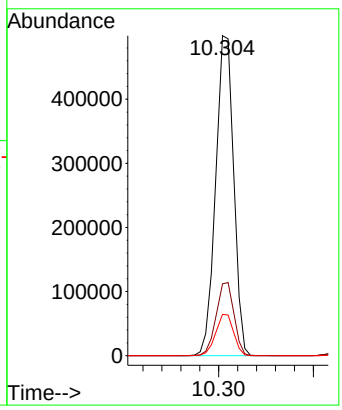


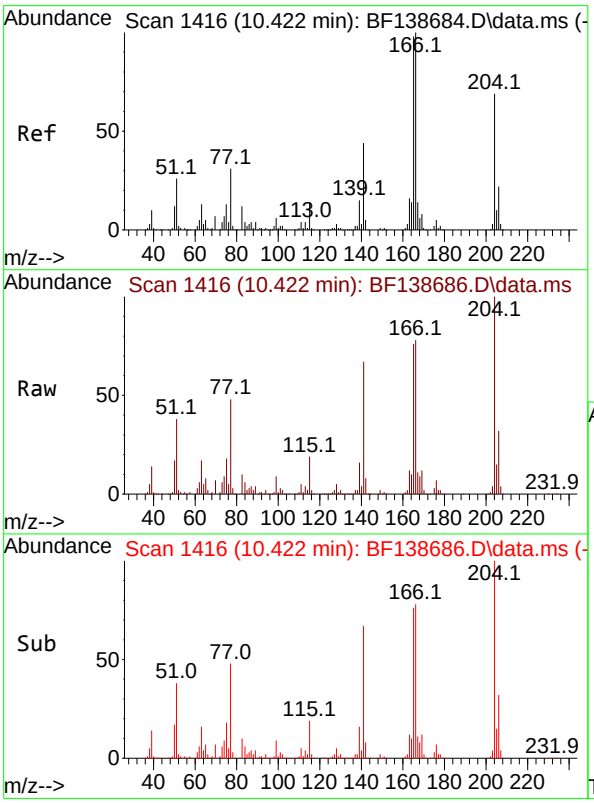
#60
Diethylphthalate
Concen: 60.161 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 661415

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.8	26.8
150	12.9	10.1	15.1

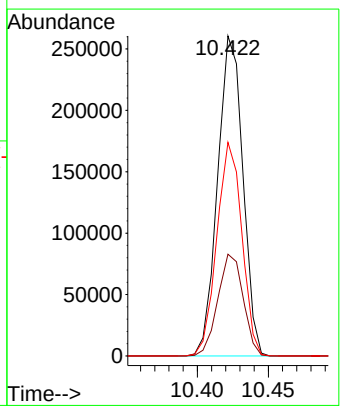


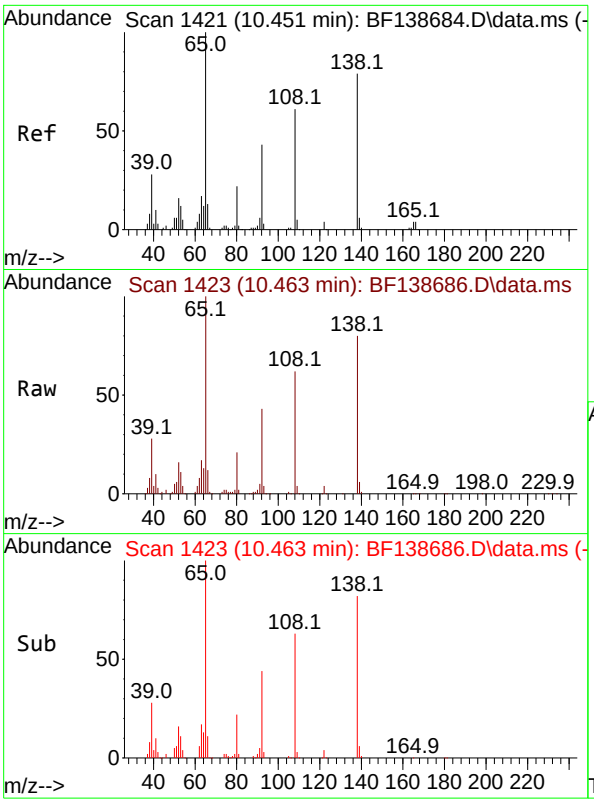


#61
4-Chlorophenyl-phenylether
Concen: 57.740 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:204 Resp: 321470

Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.1	39.1
141	66.8	51.4	77.0



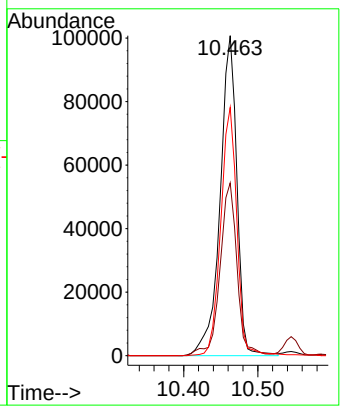


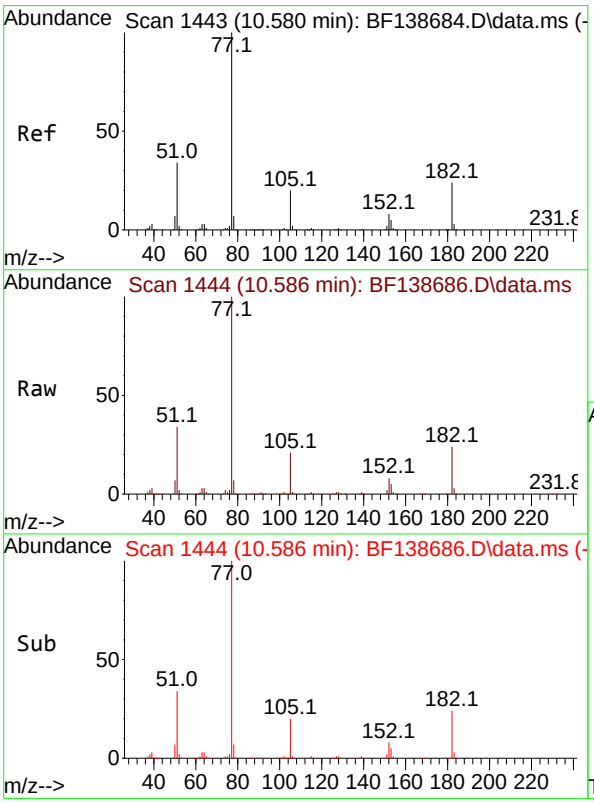
#62
4-Nitroaniline
Concen: 61.881 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 159081

Ion	Ratio	Lower	Upper
138	100		
92	54.0	34.2	74.2
108	77.6	56.2	96.2

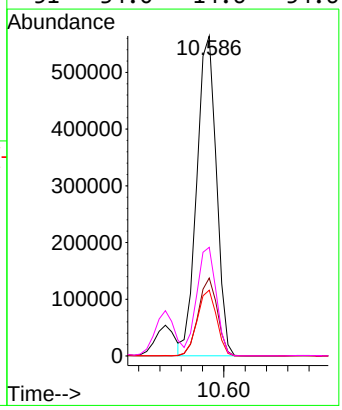


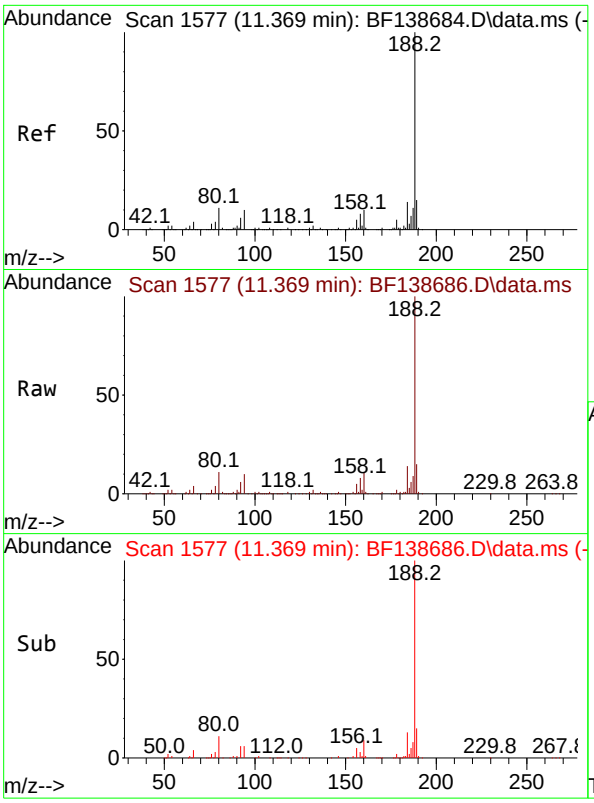


#63
Azobenzene
Concen: 59.288 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion: 77 Resp: 722929

Ion	Ratio	Lower	Upper
77	100		
182	24.3	3.4	43.4
105	20.5	0.2	40.2
51	34.0	14.6	54.6



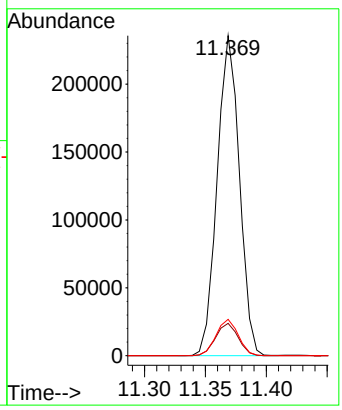


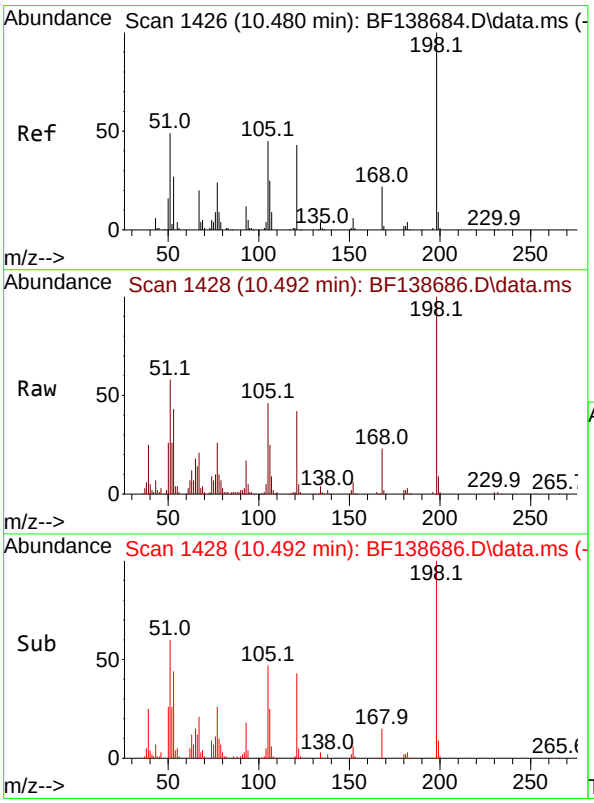
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:188 Resp: 299773

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.6	11.4
80	11.3	8.6	12.8

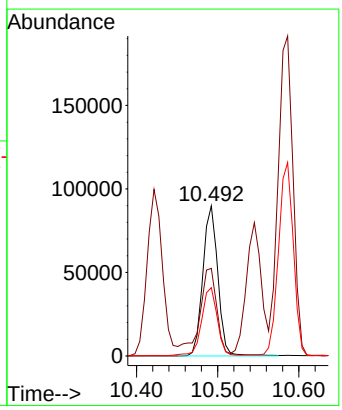


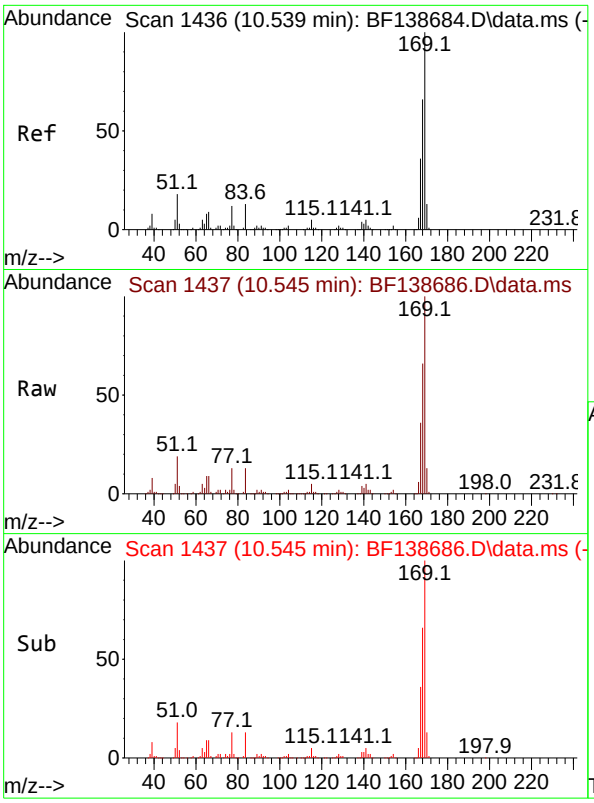


#65
4,6-Dinitro-2-methylphenol
Concen: 62.887 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:198 Resp: 115013

Ion	Ratio	Lower	Upper
198	100		
51	58.4	39.9	79.9
105	45.6	26.1	66.1



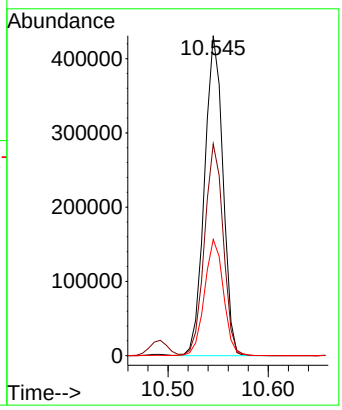


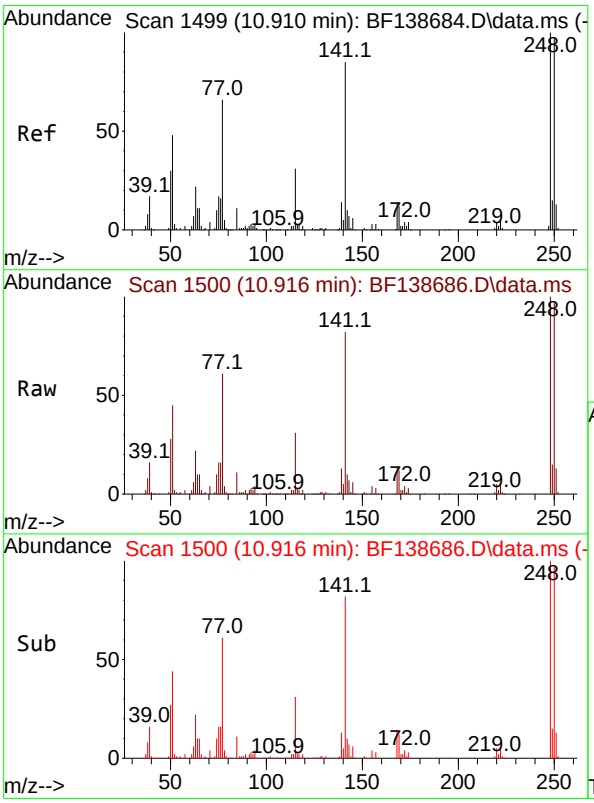
#66
n-Nitrosodiphenylamine
Concen: 58.728 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:169 Resp: 550299

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.3	29.0	43.6

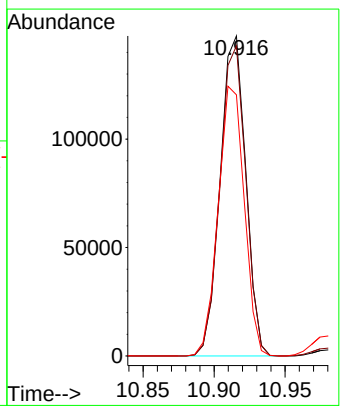


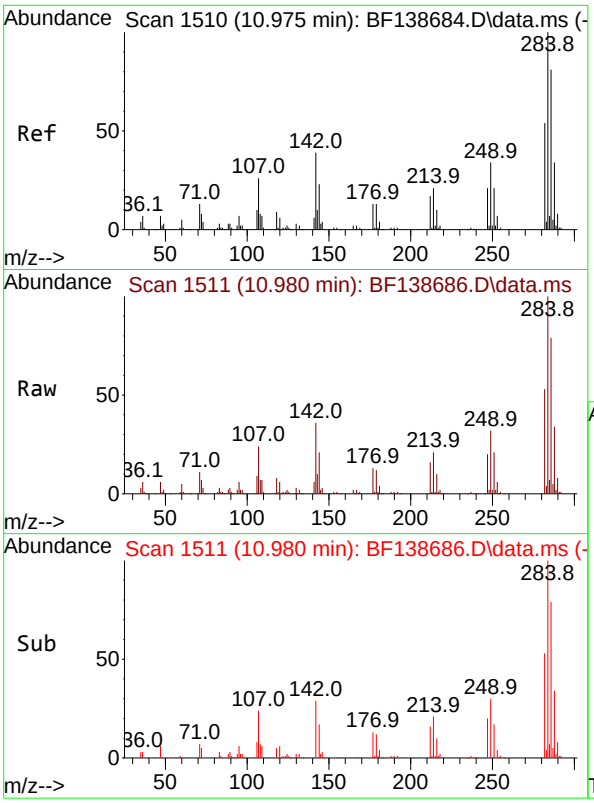


#67
4-Bromophenyl-phenylether
Concen: 57.182 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:248 Resp: 185589

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	81.6	68.0	102.0



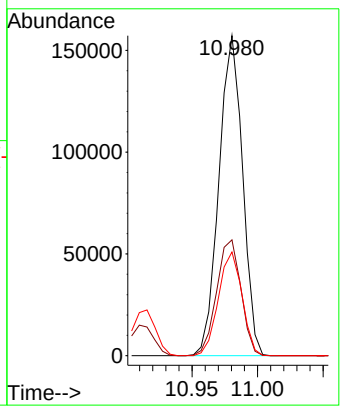


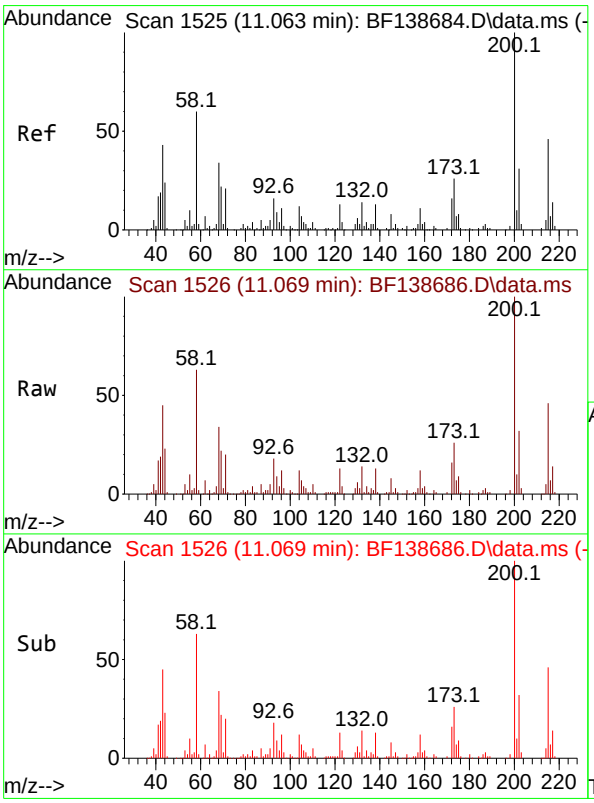
#68
Hexachlorobenzene
Concen: 58.832 ng
RT: 10.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:284 Resp: 197152

Ion	Ratio	Lower	Upper
284	100		
142	36.2	31.3	46.9
249	32.4	27.2	40.8

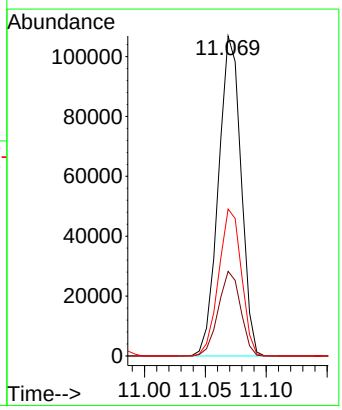


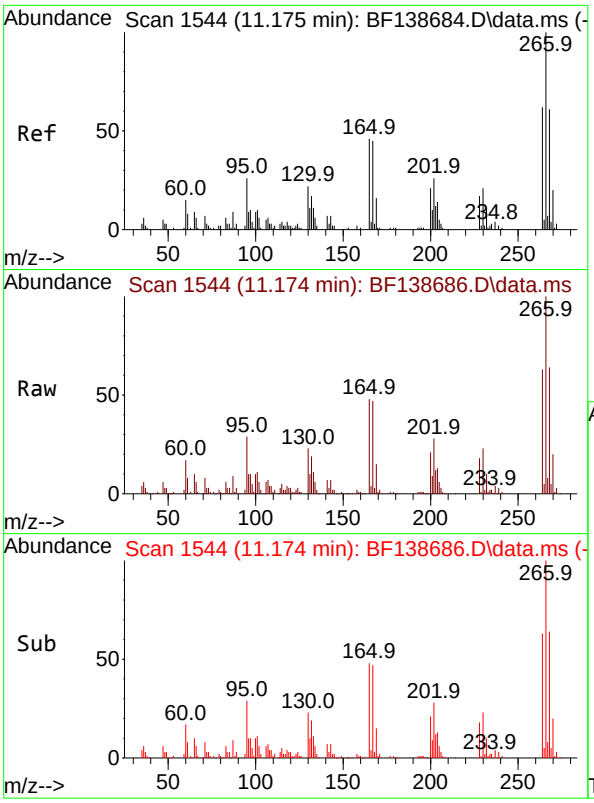


#69
Atrazine
Concen: 57.055 ng
RT: 11.069 min Scan# 1526
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:200 Resp: 137932

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.0	46.0
215	45.9	26.1	66.1



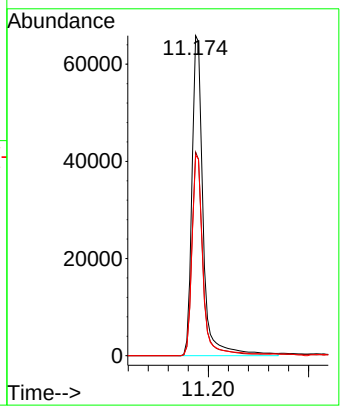


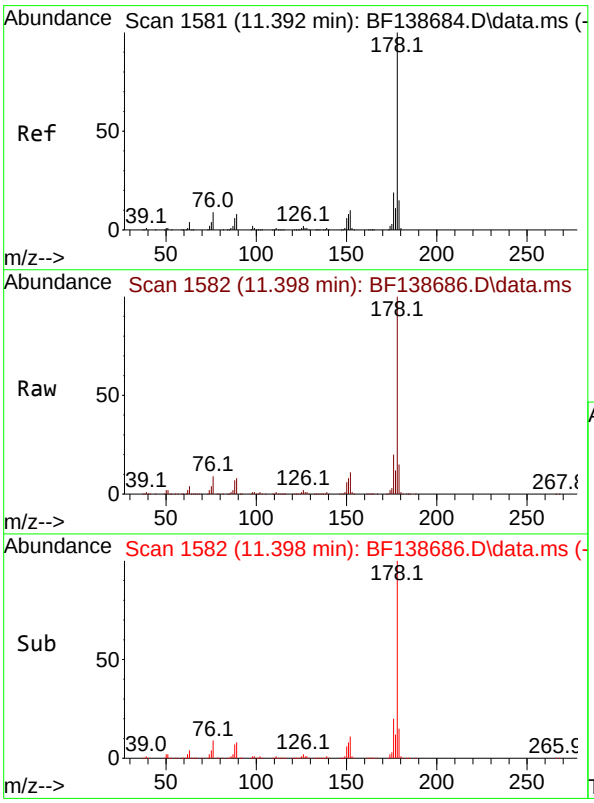
#70
Pentachlorophenol
Concen: 67.437 ng
RT: 11.174 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 101863

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.2	73.8
264	62.6	49.8	74.6

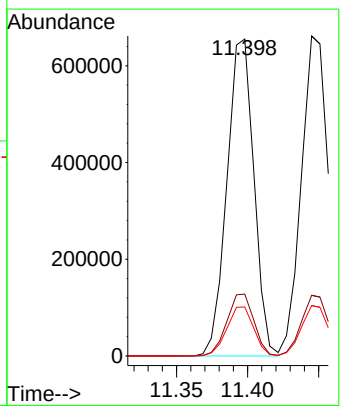


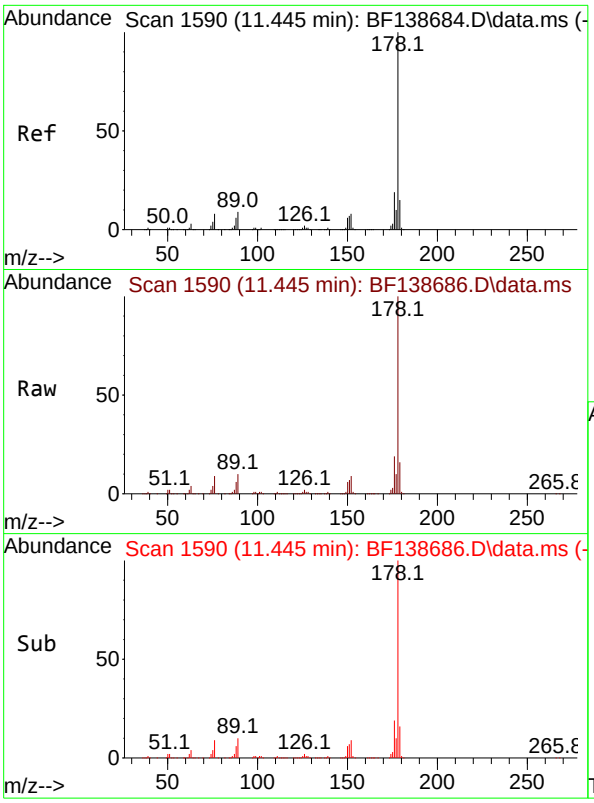


#71
Phenanthrene
Concen: 56.216 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:178 Resp: 867741

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.4	12.2	18.2



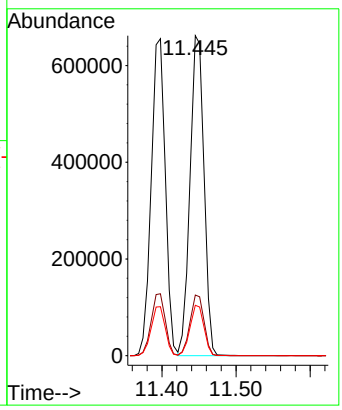


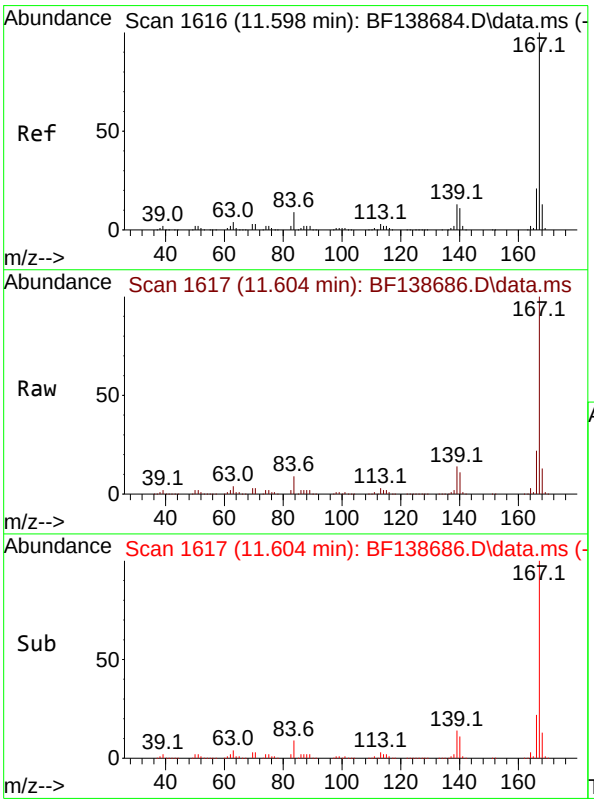
#72
Anthracene
Concen: 57.177 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 869464

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.8	12.4	18.6

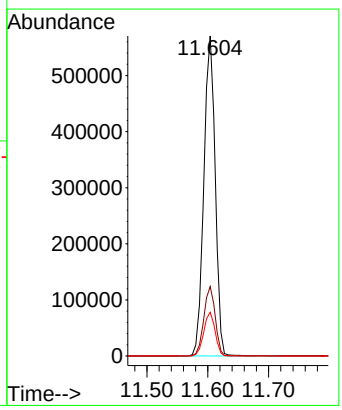


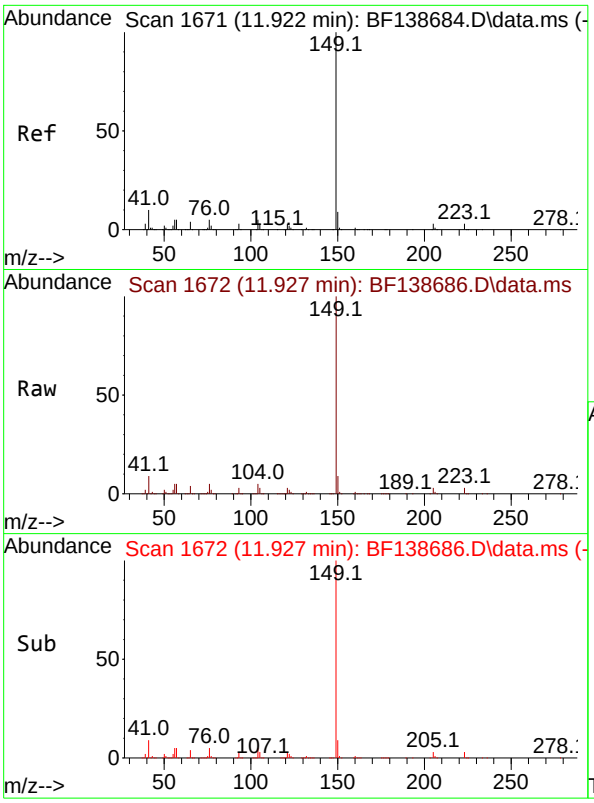


#73
Carbazole
Concen: 56.558 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:167 Resp: 742002

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	13.7	10.6	16.0



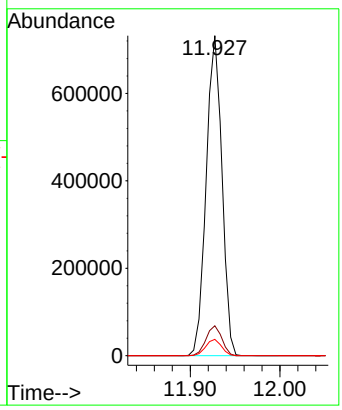


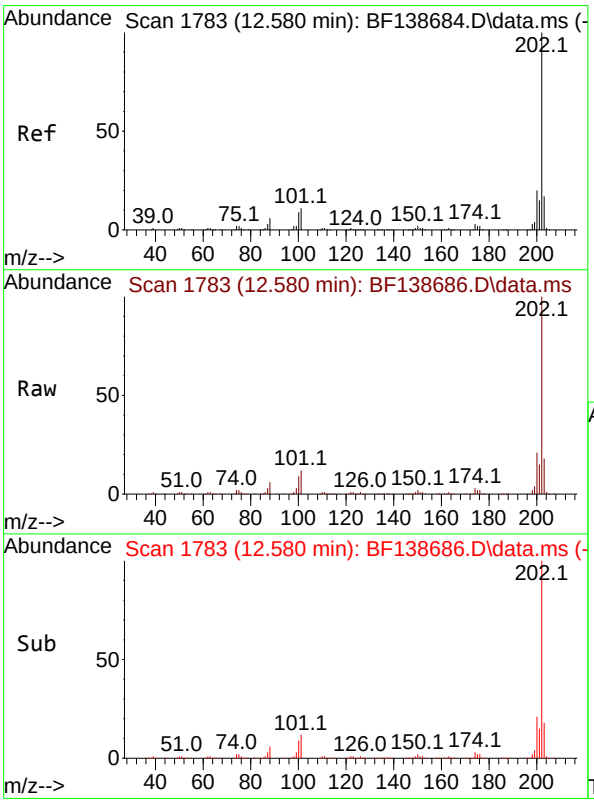
#74
Di-n-butylphthalate
Concen: 60.481 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 891999

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.1	4.1	6.1

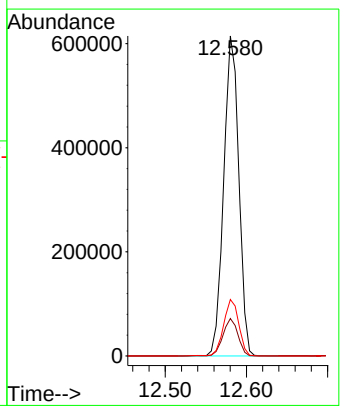


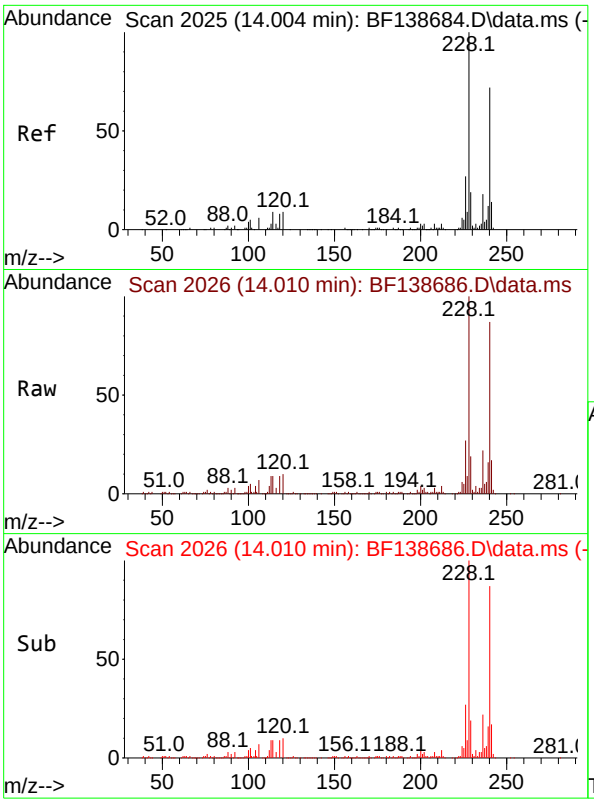


#75
Fluoranthene
Concen: 55.309 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:202 Resp: 797022

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.2
203	17.7	0.0	37.3



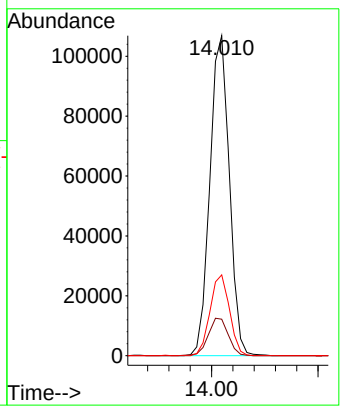


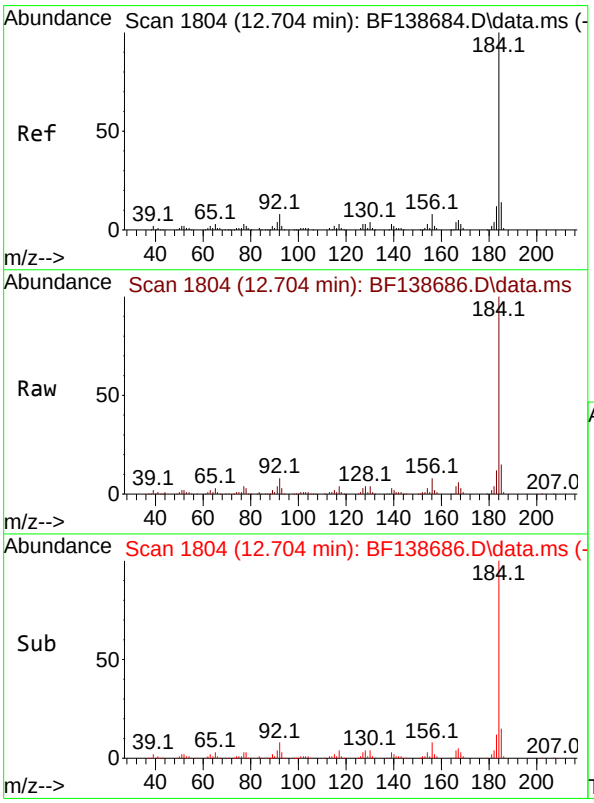
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 135234

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.2	15.4
236	25.3	19.8	29.8

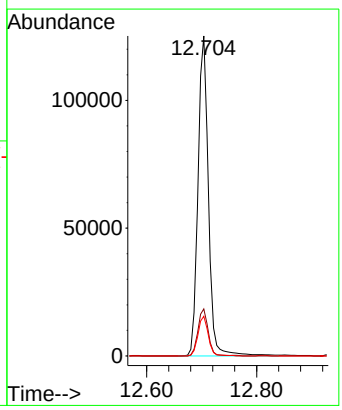


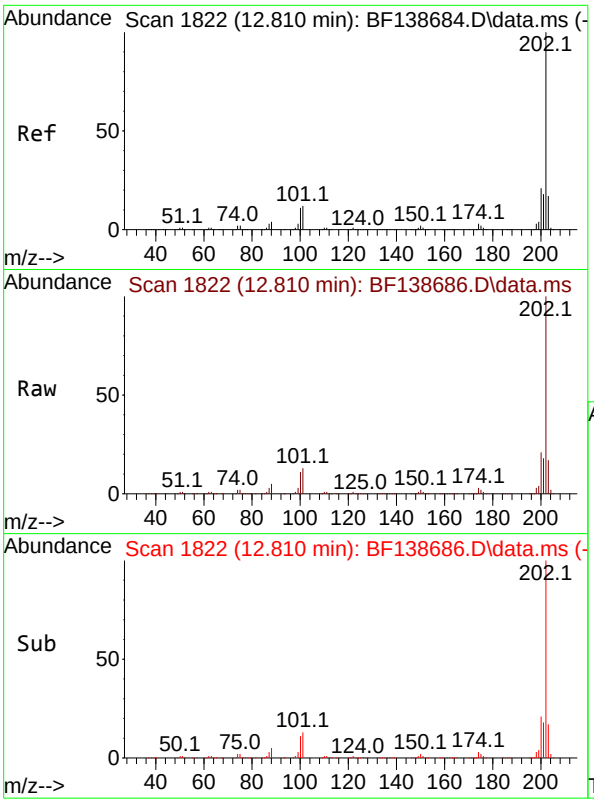


#77
Benzidine
Concen: 51.170 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:184 Resp: 165511

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.1	16.7
183	12.4	9.6	14.4



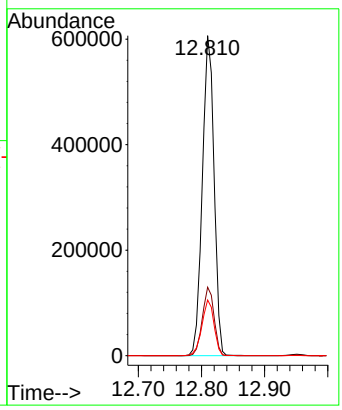


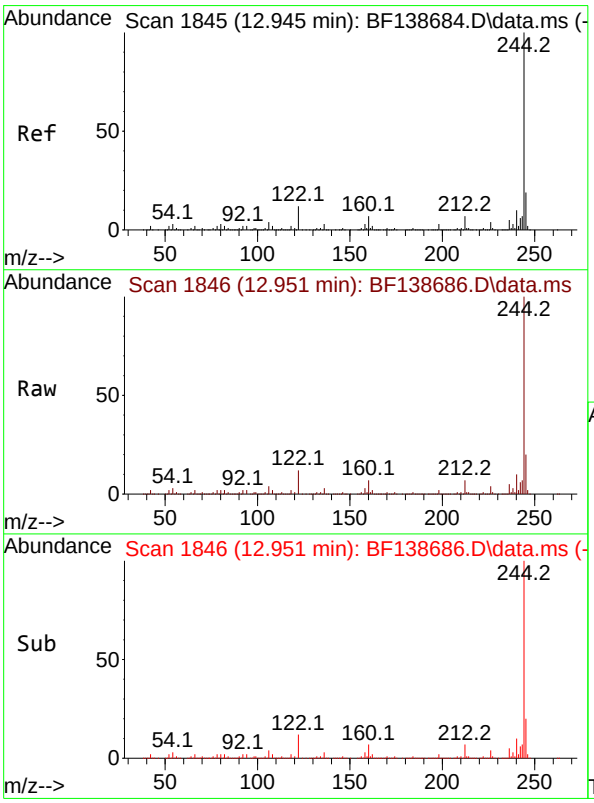
#78
Pyrene
Concen: 61.448 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 782403

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.4	13.8	20.6

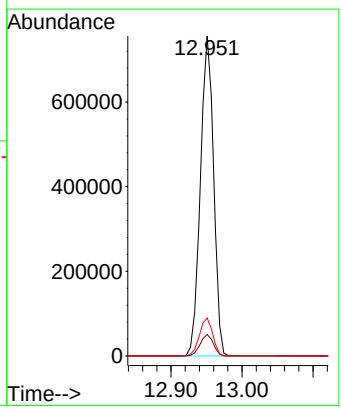


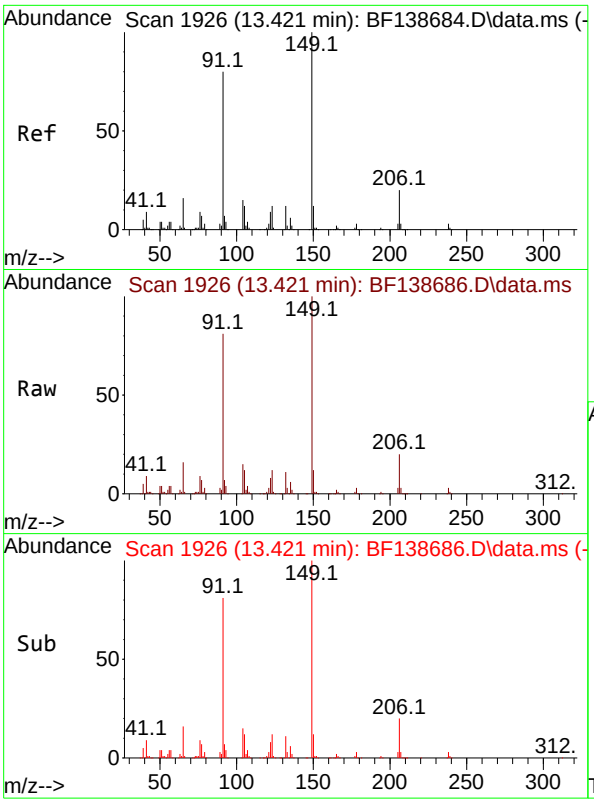


#79
Terphenyl-d14
Concen: 121.541 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:244 Resp: 981714

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.9	9.6	14.4



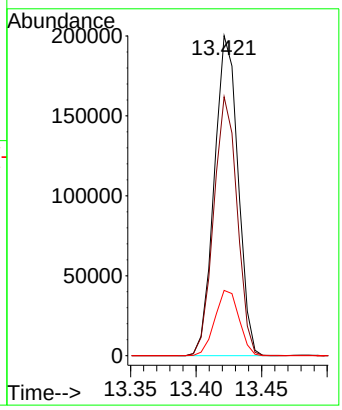


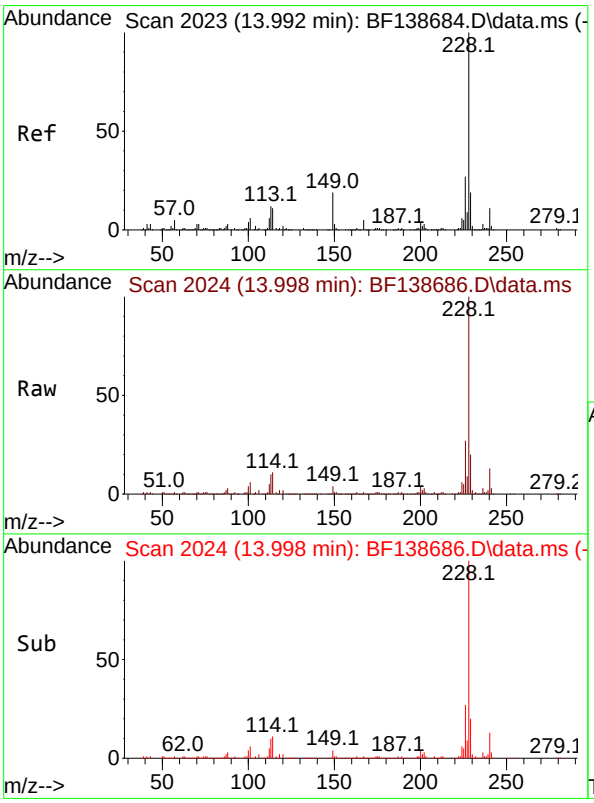
#80
Butylbenzylphthalate
Concen: 61.709 ng
RT: 13.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 251612

Ion	Ratio	Lower	Upper
149	100		
91	80.9	63.7	95.5
206	20.4	16.2	24.2

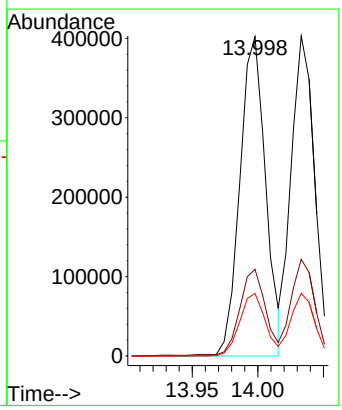


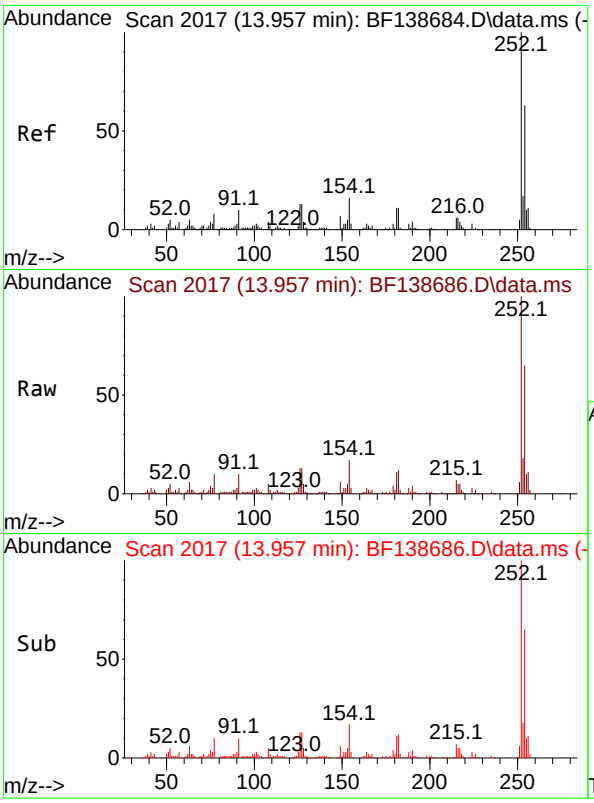


#81
Benzo(a)anthracene
Concen: 58.859 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:228 Resp: 548125

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.6	15.4	23.0



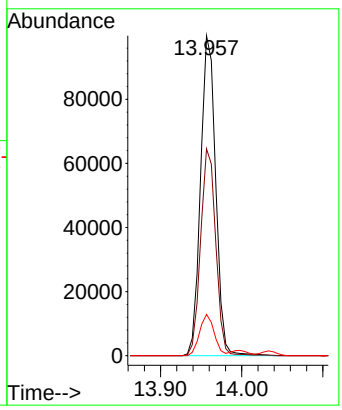


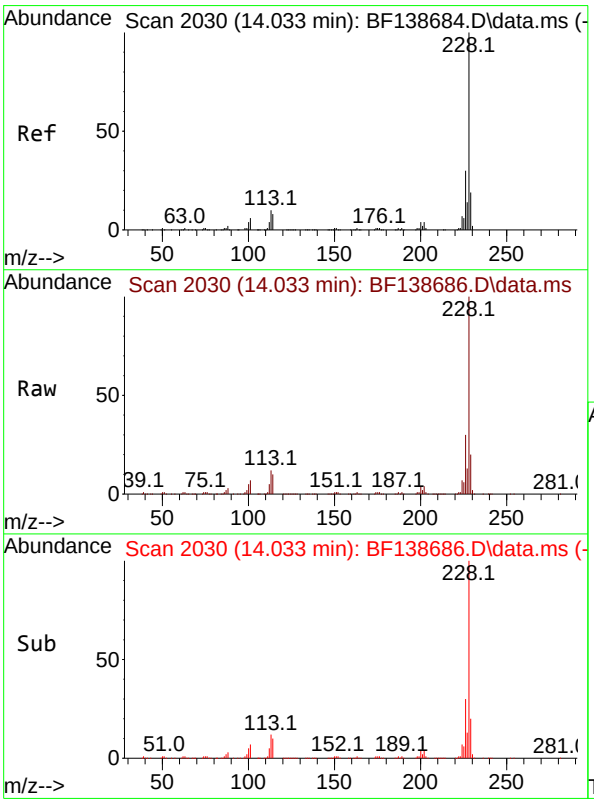
#82
3,3'-Dichlorobenzidine
Concen: 54.238 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 129254

Ion	Ratio	Lower	Upper
252	100		
254	64.6	50.8	76.2
126	12.9	10.2	15.2

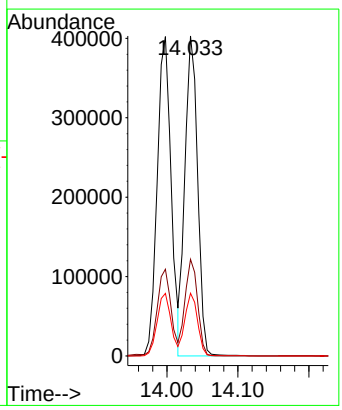


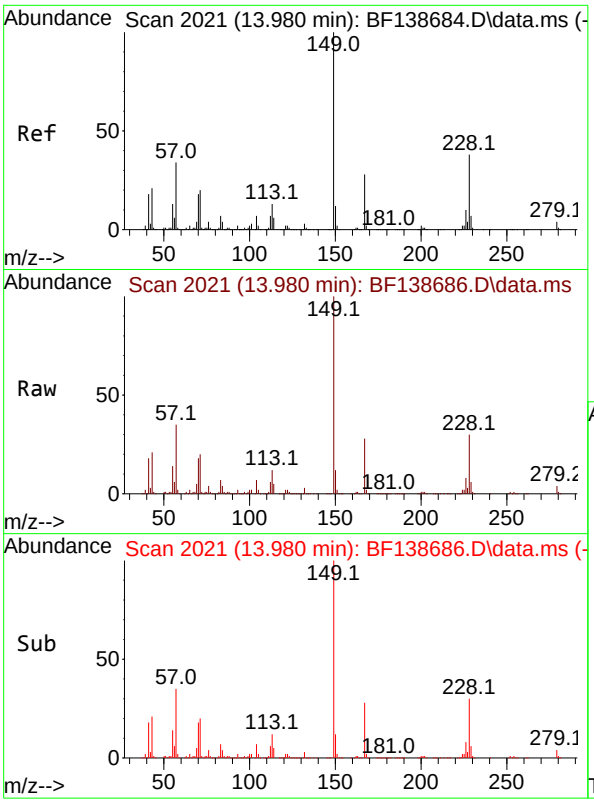


#83
Chrysene
Concen: 59.365 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:228 Resp: 498766

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	19.6	15.0	22.6



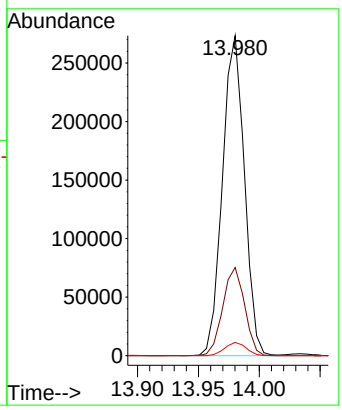


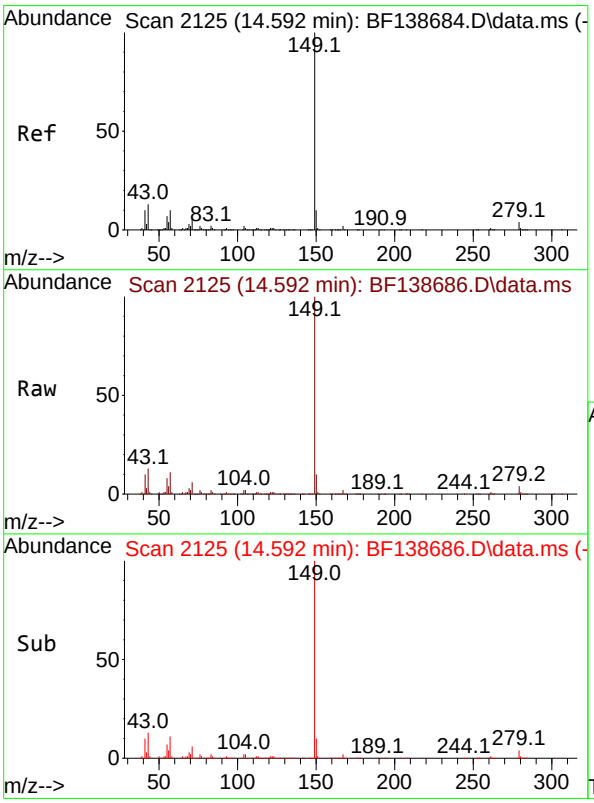
#84
Bis(2-ethylhexyl)phthalate
Concen: 57.526 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 343468

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	4.2	3.4	5.0

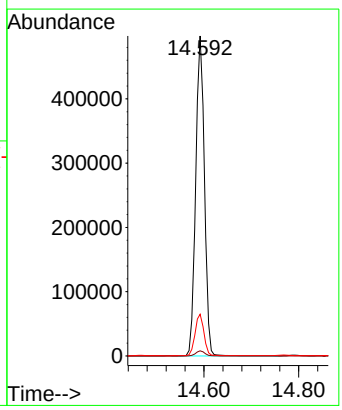


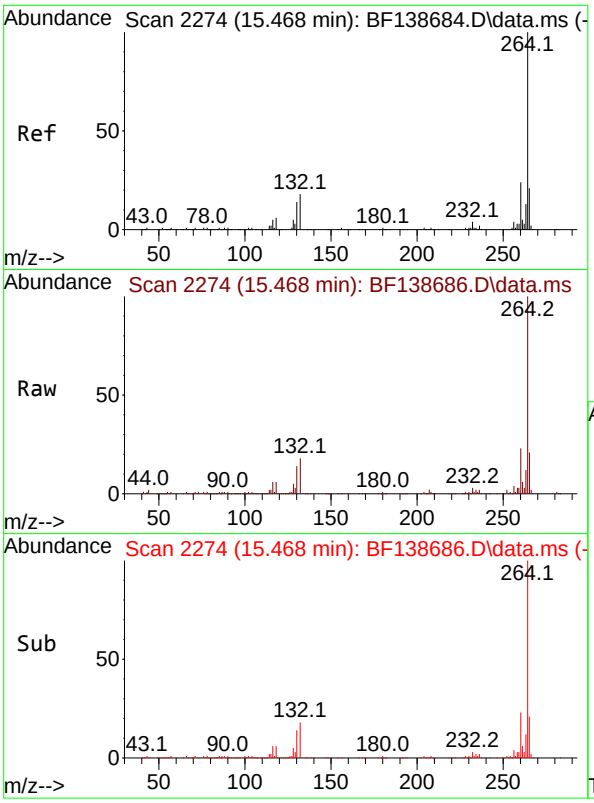


#85
Di-n-octyl phthalate
Concen: 57.670 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:149 Resp: 637055

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.1	10.4	15.6



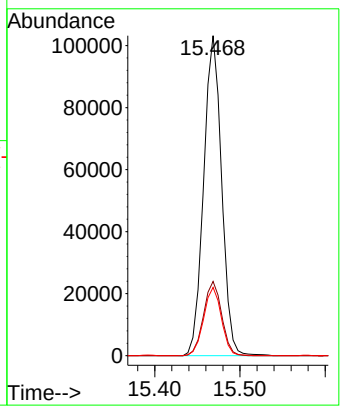


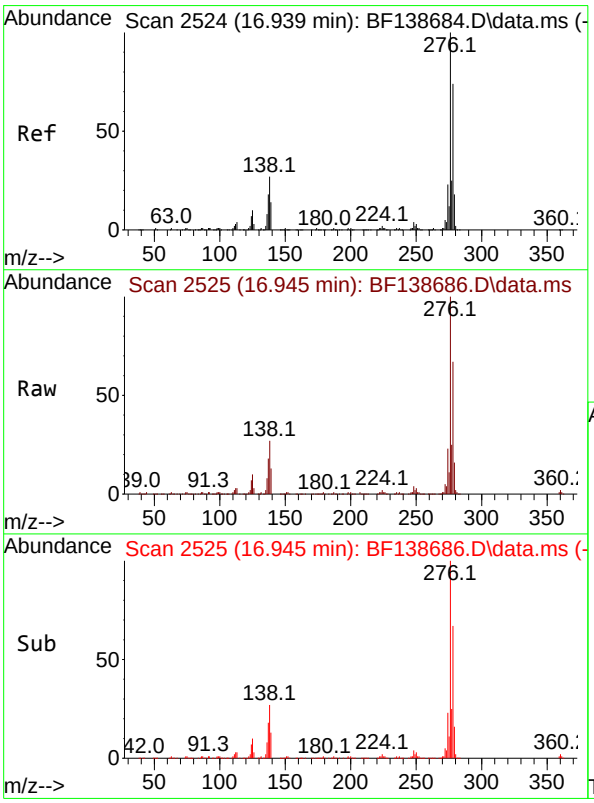
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 151051

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.3	17.0	25.6

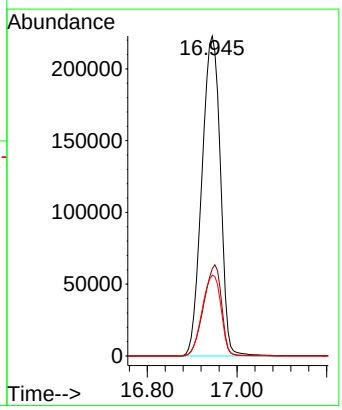


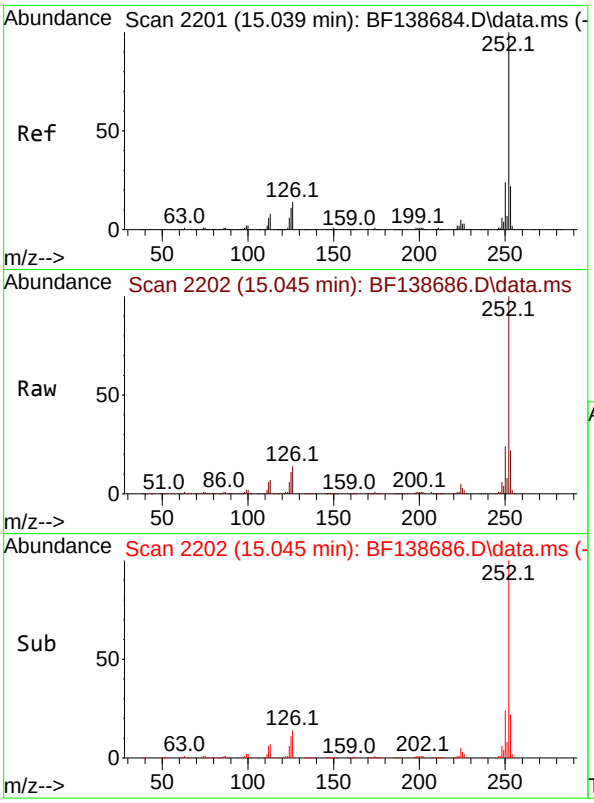


#87
Indeno(1,2,3-cd)pyrene
Concen: 58.833 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:276 Resp: 636857

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.8	32.8
277	25.8	20.6	30.8



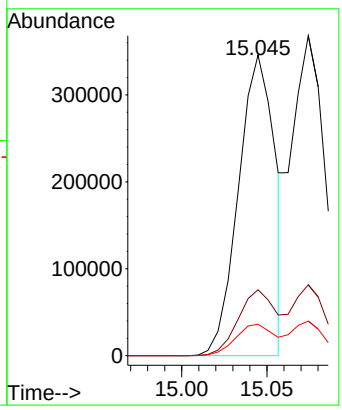


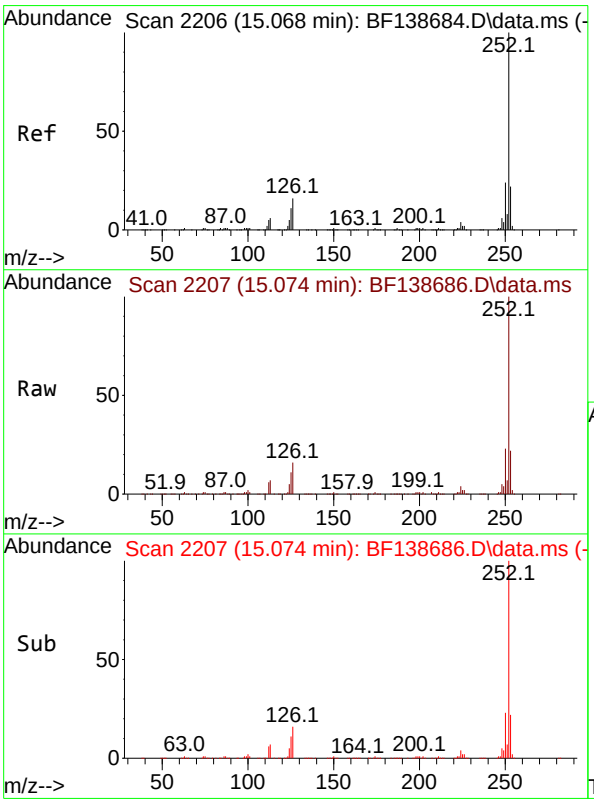
#88
Benzo(b)fluoranthene
Concen: 54.916 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 514218

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.5	8.9	13.3

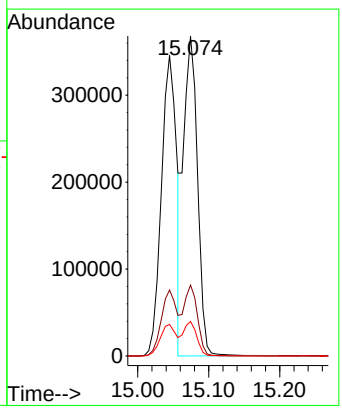


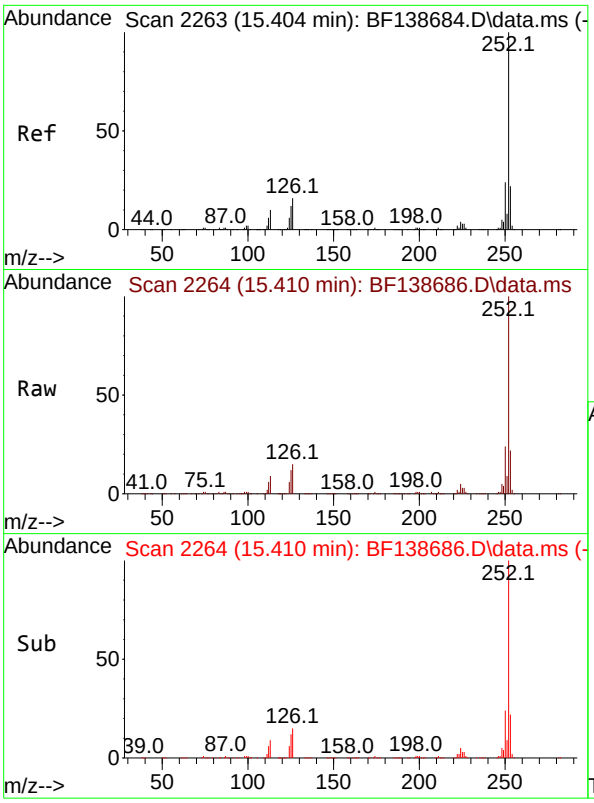


#89
Benzo(k)fluoranthene
Concen: 62.431 ng
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:252 Resp: 506146

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	10.8	8.6	13.0



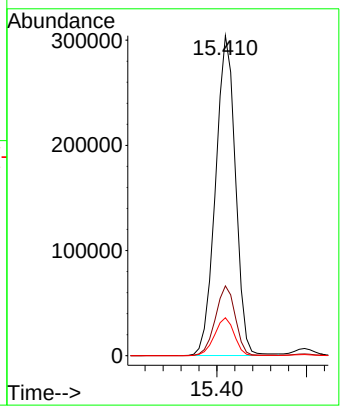


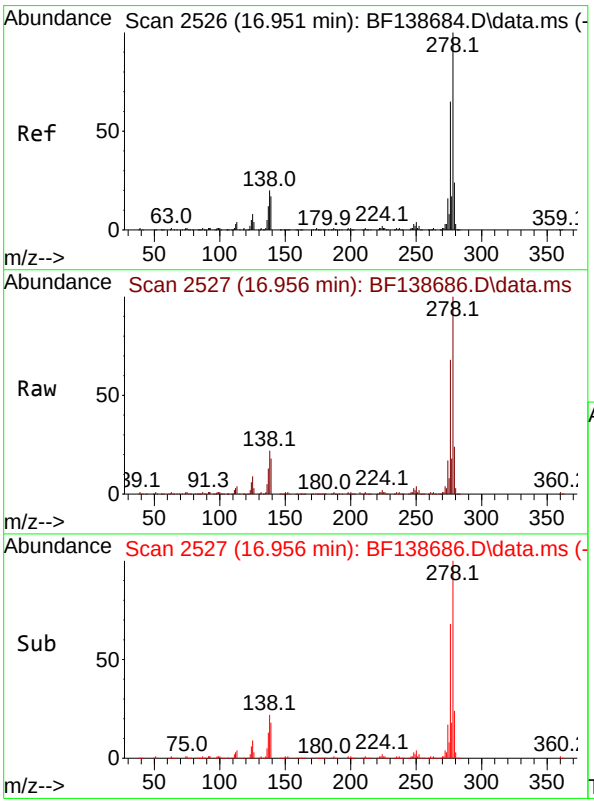
#90
Benzo(a)pyrene
Concen: 59.572 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 469205

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.9	9.5	14.3

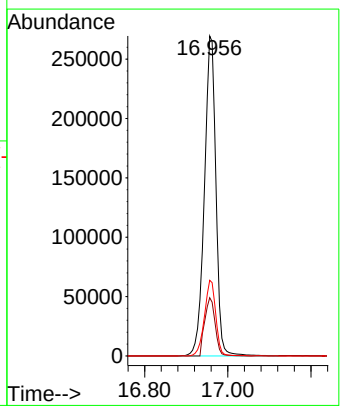


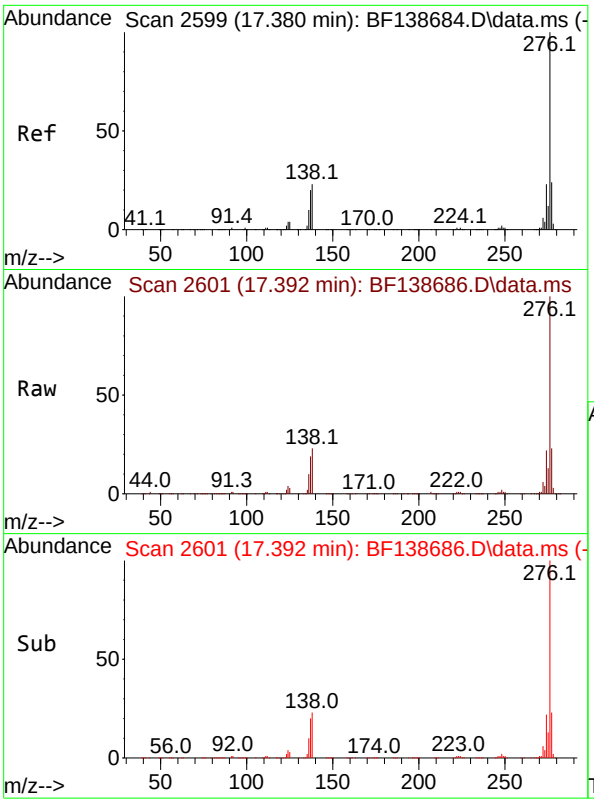


#91
Dibenzo(a,h)anthracene
Concen: 58.470 ng
RT: 16.956 min Scan# 2527
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:278 Resp: 519552

Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.0	21.0
279	23.7	19.0	28.4



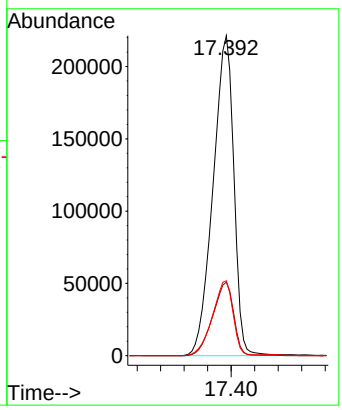


#92
Benzo(g,h,i)perylene
Concen: 58.883 ng
RT: 17.392 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 542952

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	23.4	18.5	27.7



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138687.D
Acq On : 30 Jul 2024 16:29
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 30 17:47:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	82334	20.000	ng		0.00
21) Naphthalene-d8	8.134	136	318281	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	170513	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	270140	20.000	ng		0.00
76) Chrysene-d12	14.010	240	127279	20.000	ng		0.00
86) Perylene-d12	15.468	264	150274	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	779516	146.149	ng		0.00
7) Phenol-d6	6.498	99	1037275	144.849	ng		0.01
23) Nitrobenzene-d5	7.422	82	999276	153.499	ng		0.01
42) 2,4,6-Tribromophenol	10.681	330	215316	154.157	ng		0.01
45) 2-Fluorobiphenyl	9.210	172	1598378	140.843	ng		0.00
79) Terphenyl-d14	12.951	244	1102959	145.087	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.599	88	179012	76.661	ng		99
3) Pyridine	3.357	79	430656	76.132	ng		98
4) n-Nitrosodimethylamine	3.334	42	264606	78.541	ng		100
6) Aniline	6.522	93	452908	70.918	ng	#	81
8) 2-Chlorophenol	6.640	128	412290	73.470	ng		99
10) Phenol	6.510	94	548122	72.698	ng		91
11) bis(2-Chloroethyl)ether	6.593	93	439507	75.750	ng		99
12) 1,3-Dichlorobenzene	6.793	146	457584	72.845	ng		100
13) 1,4-Dichlorobenzene	6.869	146	463447	73.107	ng		99
14) 1,2-Dichlorobenzene	7.022	146	422717	71.351	ng		100
15) Benzyl Alcohol	6.998	79	379102	73.451	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.128	45	704056	70.510	ng		91
17) 2-Methylphenol	7.110	107	344171	74.274	ng		97
18) Hexachloroethane	7.357	117	177915	74.559	ng		96
19) n-Nitroso-di-n-propyla...	7.275	70	319414	73.850	ng		96
20) 3+4-Methylphenols	7.269	107	420506	70.728	ng	#	90
22) Acetophenone	7.269	105	583306	74.849	ng		98
24) Nitrobenzene	7.440	77	510201	77.019	ng		98
25) Isophorone	7.681	82	862380	77.580	ng		99
26) 2-Nitrophenol	7.751	139	227531	79.835	ng		99
27) 2,4-Dimethylphenol	7.792	122	263469	77.265	ng		99
28) bis(2-Chloroethoxy)met...	7.881	93	522528	77.190	ng		99
29) 2,4-Dichlorophenol	7.998	162	336540	76.805	ng		100
30) 1,2,4-Trichlorobenzene	8.075	180	381296	75.405	ng		99
31) Naphthalene	8.157	128	1242069	74.139	ng		100
32) Benzoic acid	7.957	122	247058	92.209	ng		97
33) 4-Chloroaniline	8.216	127	443424	78.849	ng		99
34) Hexachlorobutadiene	8.263	225	230783	75.351	ng		100
35) Caprolactam	8.604	113	107916	82.539	ng		97
36) 4-Chloro-3-methylphenol	8.692	107	386382	77.158	ng		99
37) 2-Methylnaphthalene	8.839	142	782843	73.988	ng		100
38) 1-Methylnaphthalene	8.945	142	760272	73.328	ng		99
40) 1,2,4,5-Tetrachloroben...	9.010	216	351438	74.196	ng		99
41) Hexachlorocyclopentadiene	8.992	237	99926	79.729	ng		98
43) 2,4,6-Trichlorophenol	9.122	196	227901	78.913	ng		100
44) 2,4,5-Trichlorophenol	9.169	196	245697	77.822	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138687.D
Acq On : 30 Jul 2024 16:29
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 30 17:47:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

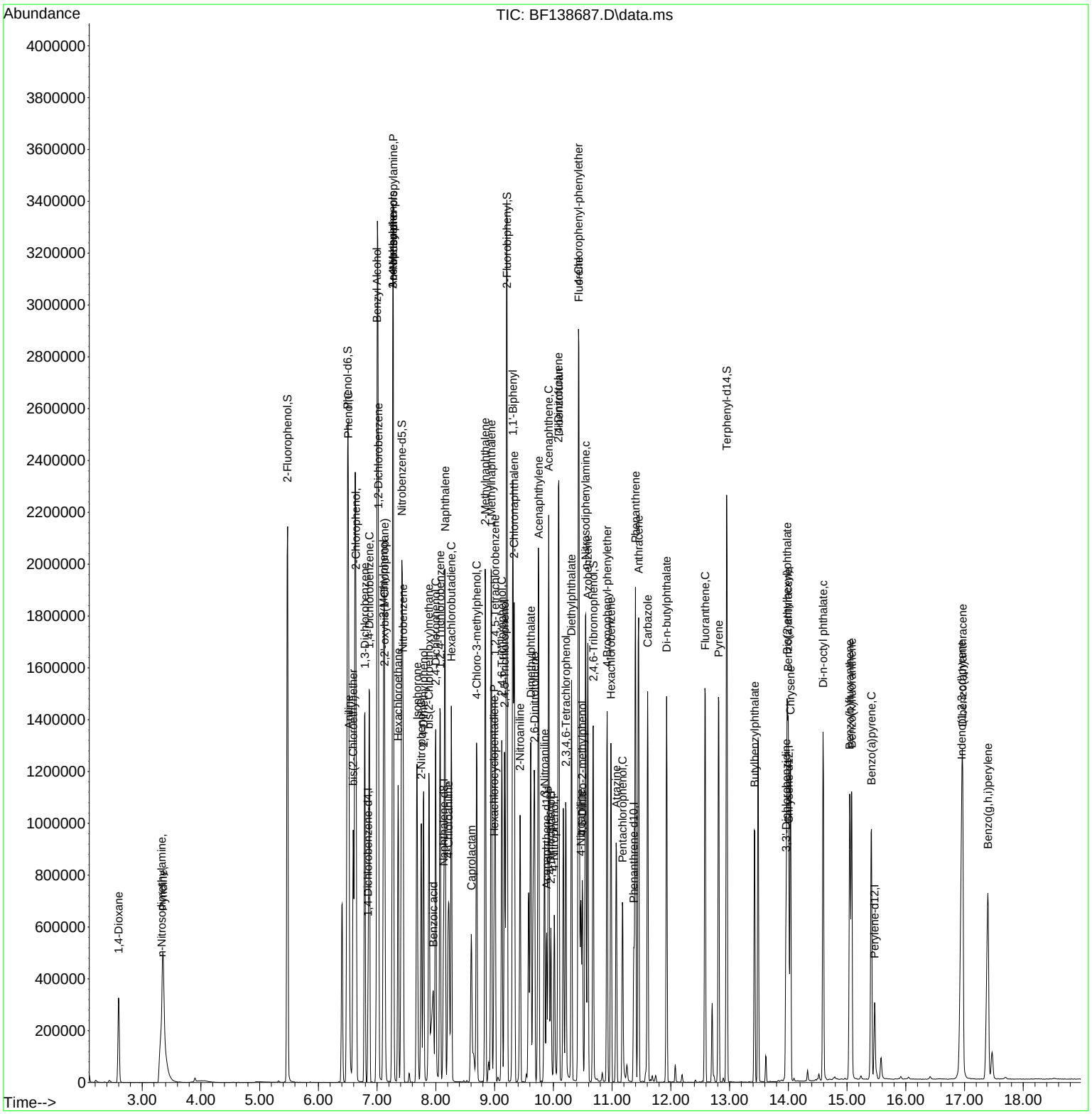
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.310	154	983564	73.651	ng		100
47) 2-Chloronaphthalene	9.334	162	742852	74.793	ng		100
48) 2-Nitroaniline	9.434	65	266220	79.066	ng		98
49) Acenaphthylene	9.751	152	1013441	71.944	ng		99
50) Dimethylphthalate	9.616	163	843645	77.379	ng		99
51) 2,6-Dinitrotoluene	9.681	165	189138	76.868	ng		97
52) Acenaphthene	9.922	154	693130	73.198	ng		100
53) 3-Nitroaniline	9.851	138	194796	76.581	ng		100
54) 2,4-Dinitrophenol	9.957	184	100793	88.986	ng		94
55) Dibenzofuran	10.092	168	963359	72.071	ng		100
56) 4-Nitrophenol	10.016	139	127589	83.411	ng		98
57) 2,4-Dinitrotoluene	10.086	165	237463	75.642	ng	#	88
58) Fluorene	10.433	166	768404	72.188	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	192425	79.721	ng		97
60) Diethylphthalate	10.310	149	788464	76.270	ng		99
61) 4-Chlorophenyl-phenyle...	10.428	204	376130	71.847	ng		99
62) 4-Nitroaniline	10.469	138	181845	75.227	ng		98
63) Azobenzene	10.586	77	857699	74.806	ng		99
65) 4,6-Dinitro-2-methylph...	10.492	198	137397	83.368	ng		97
66) n-Nitrosodiphenylamine	10.551	169	641930	76.022	ng		99
67) 4-Bromophenyl-phenylether	10.916	248	226137	77.318	ng		99
68) Hexachlorobenzene	10.980	284	233005	77.158	ng		99
69) Atrazine	11.075	200	152765	70.122	ng		99
70) Pentachlorophenol	11.180	266	120403	88.455	ng		98
71) Phenanthrene	11.398	178	1020185	73.341	ng		99
72) Anthracene	11.451	178	1005219	73.356	ng		100
73) Carbazole	11.604	167	836447	70.750	ng		99
74) Di-n-butylphthalate	11.927	149	1016790	76.505	ng		100
75) Fluoranthene	12.586	202	893988	68.843	ng		99
78) Pyrene	12.816	202	882216	73.618	ng		99
80) Butylbenzylphthalate	13.427	149	304470	79.340	ng		99
81) Benzo(a)anthracene	13.998	228	659091	75.198	ng		99
82) 3,3'-Dichlorobenzidine	13.963	252	159678	71.192	ng		99
83) Chrysene	14.039	228	617804	78.129	ng		98
84) Bis(2-ethylhexyl)phtha...	13.980	149	440693	78.423	ng		100
85) Di-n-octyl phthalate	14.592	149	817161	78.597	ng		99
87) Indeno(1,2,3-cd)pyrene	16.951	276	827423	76.833	ng		99
88) Benzo(b)fluoranthene	15.045	252	721224	77.422	ng		99
89) Benzo(k)fluoranthene	15.080	252	596517	73.959	ng		99
90) Benzo(a)pyrene	15.416	252	609452	77.779	ng		99
91) Dibenzo(a,h)anthracene	16.968	278	664634	75.184	ng		100
92) Benzo(g,h,i)perylene	17.398	276	702583	76.589	ng		99

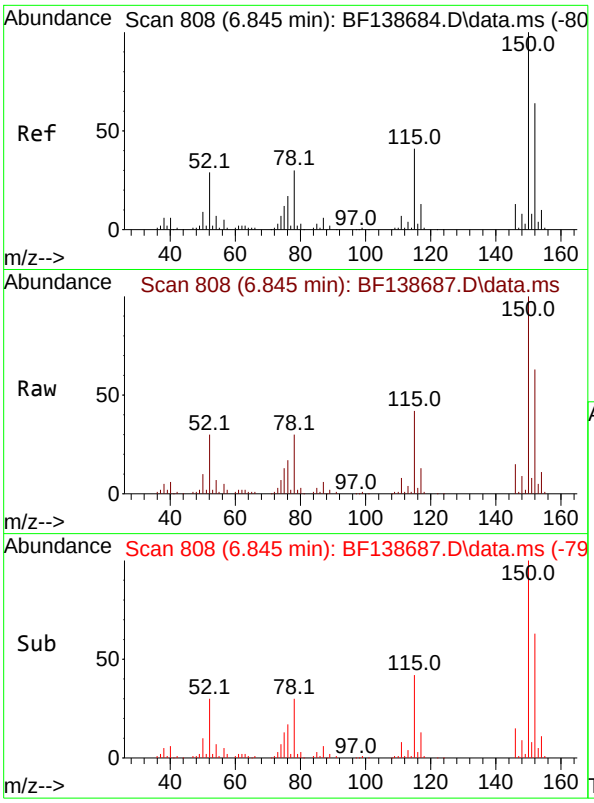
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138687.D
Acq On : 30 Jul 2024 16:29
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 30 17:47:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration



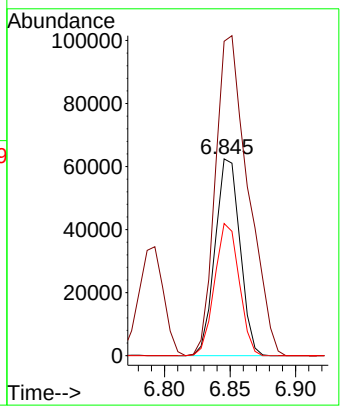


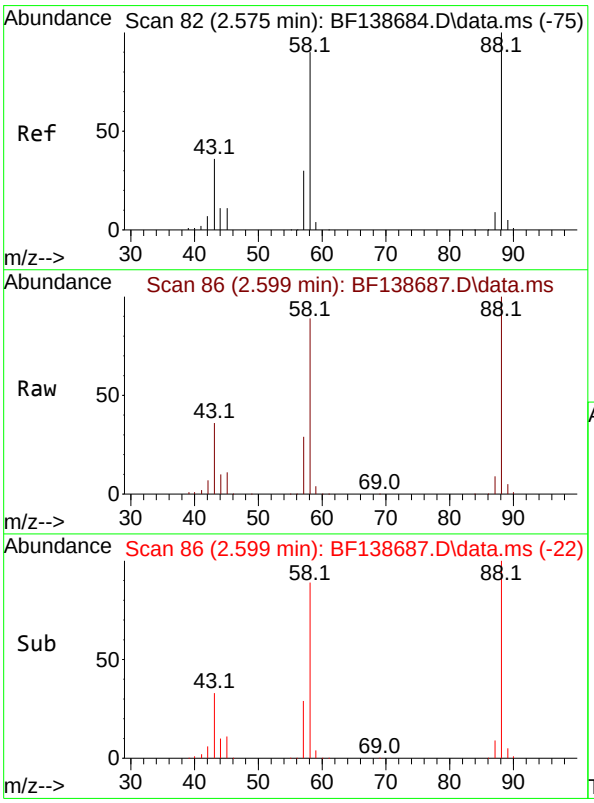
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 82334

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.0	189.0
115	67.1	51.7	77.5

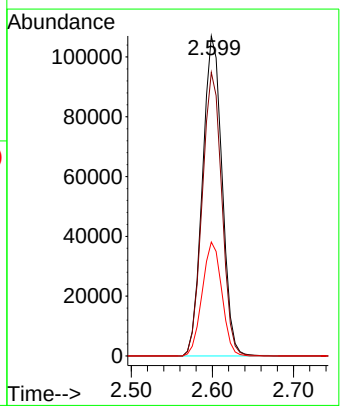


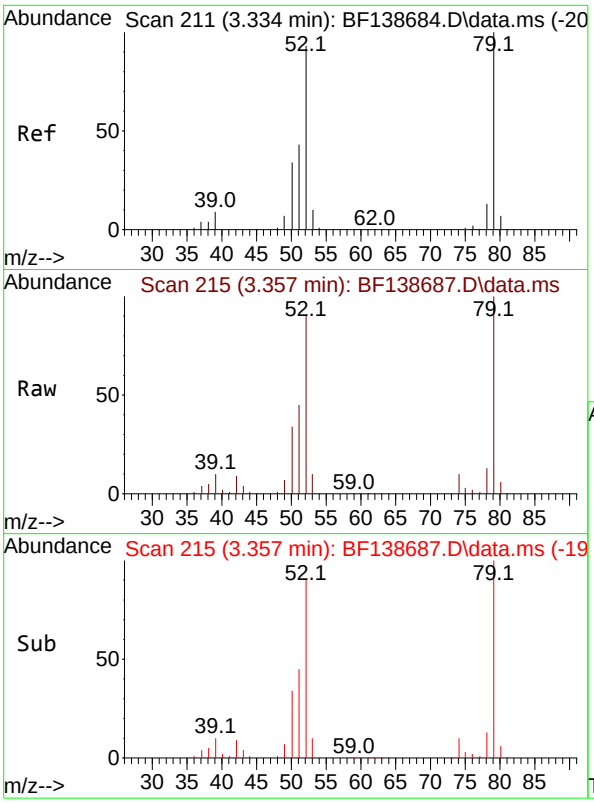


#2
1,4-Dioxane
Concen: 76.661 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 88 Resp: 179012

Ion	Ratio	Lower	Upper
88	100		
58	88.5	71.6	107.4
43	35.7	28.7	43.1



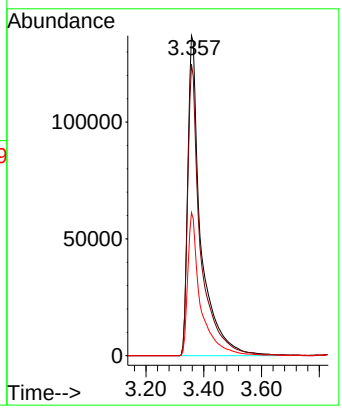


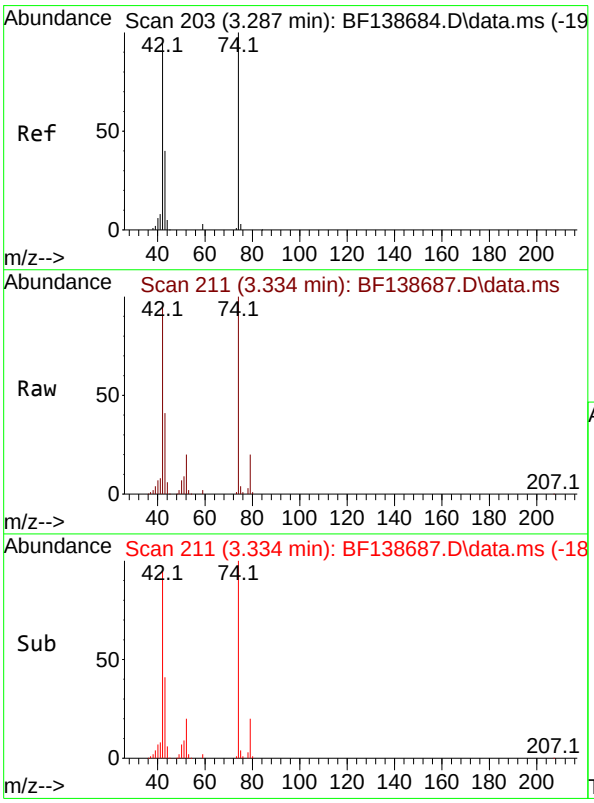
#3
Pyridine
Concen: 76.132 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 430656

Ion	Ratio	Lower	Upper
79	100		
52	91.0	74.7	112.1
51	44.7	34.6	51.8

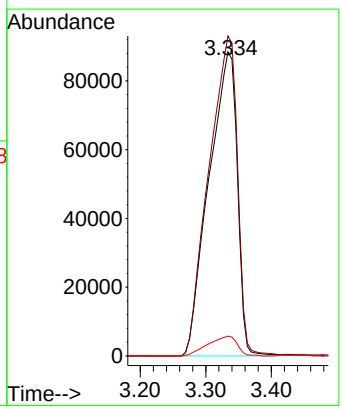


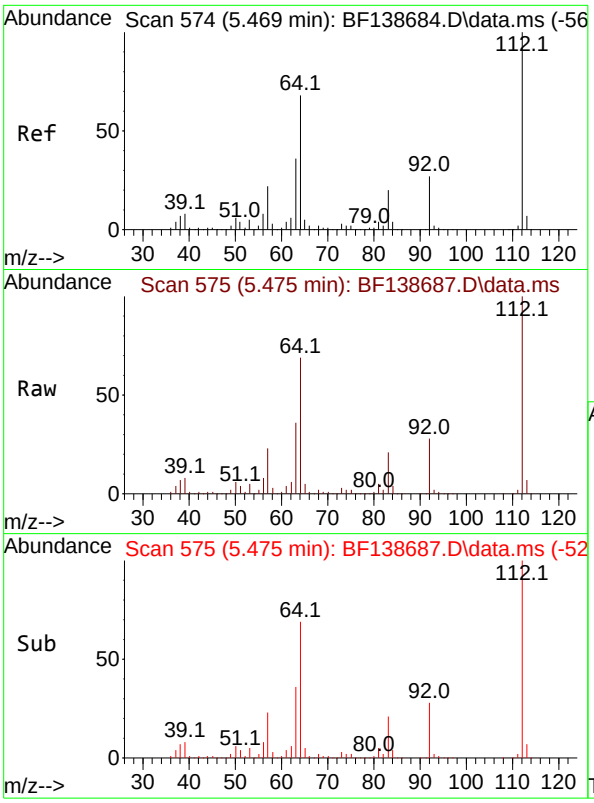


#4
n-Nitrosodimethylamine
Concen: 78.541 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 42 Resp: 264606

Ion	Ratio	Lower	Upper
42	100		
74	105.2	84.2	126.4
44	6.5	4.9	7.3



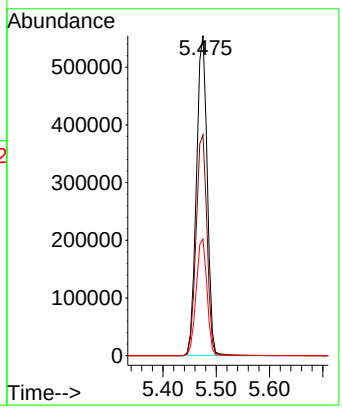


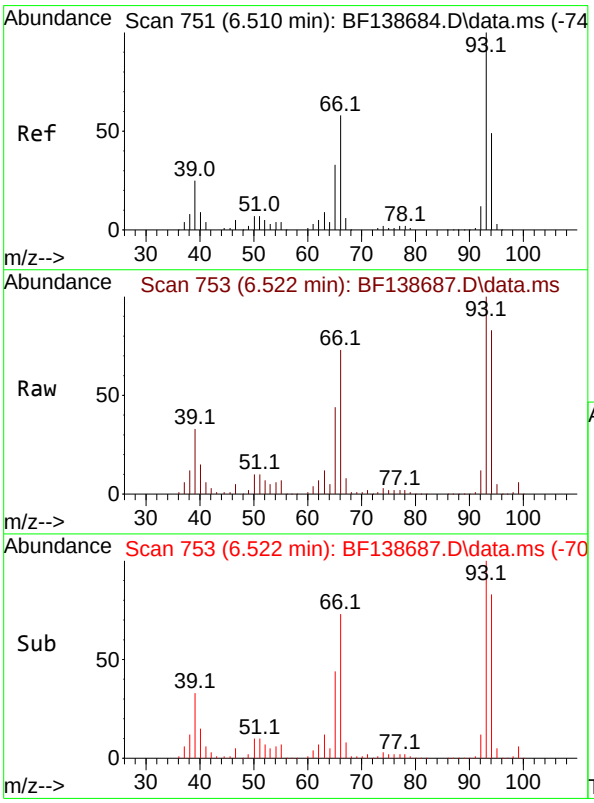
#5
2-Fluorophenol
Concen: 146.149 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 779516

Ion	Ratio	Lower	Upper
112	100		
64	69.0	54.2	81.4
63	36.4	28.7	43.1

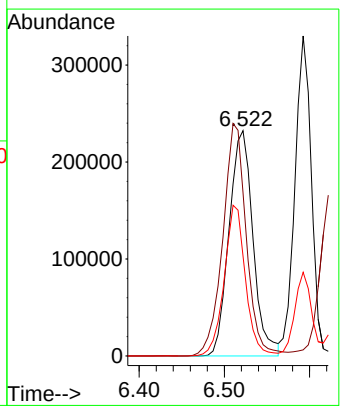


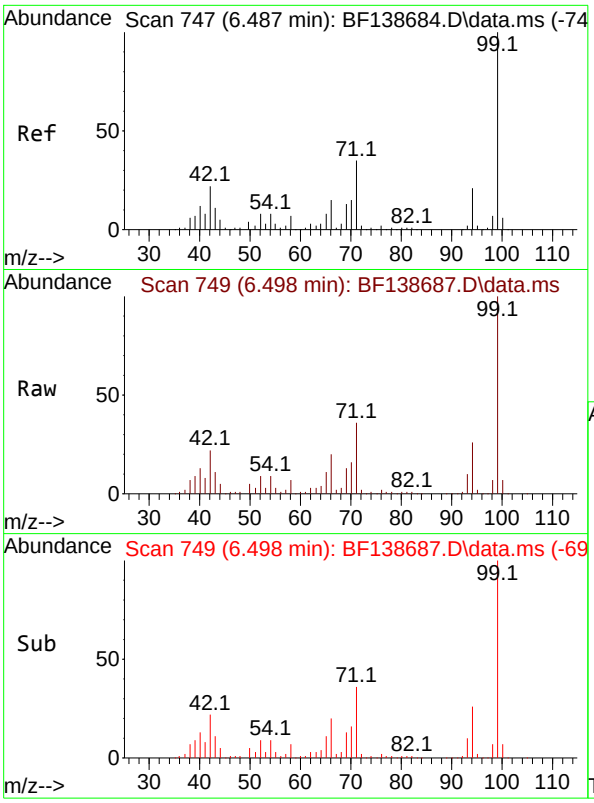


#6
Aniline
Concen: 70.918 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 93 Resp: 452908

Ion	Ratio	Lower	Upper
93	100		
66	72.6	46.9	70.3#
65	44.4	26.5	39.7#



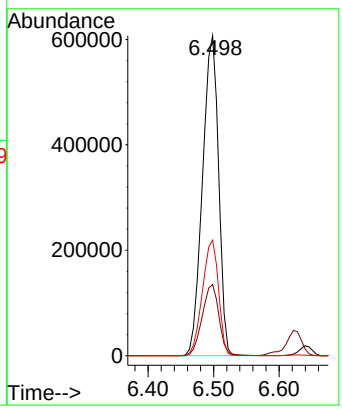


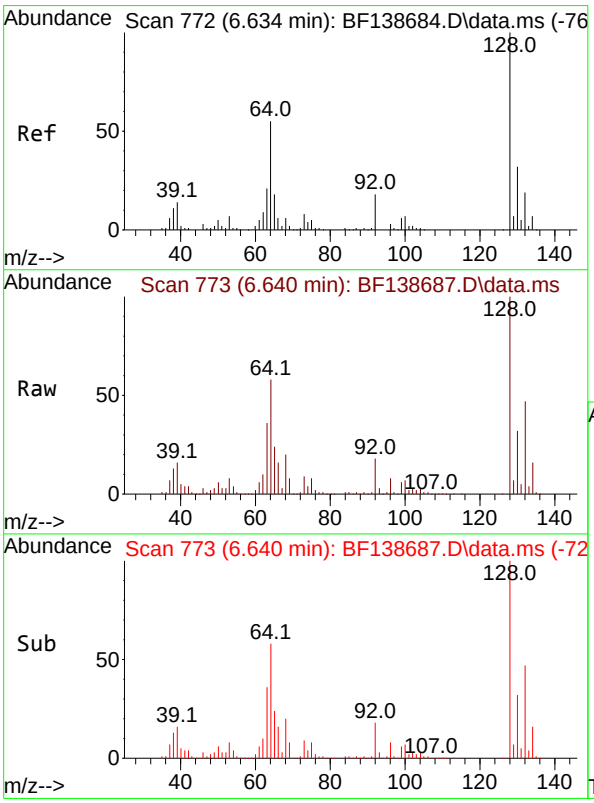
#7
Phenol-d6
Concen: 144.849 ng
RT: 6.498 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1037275

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.4	26.0
71	36.1	28.1	42.1

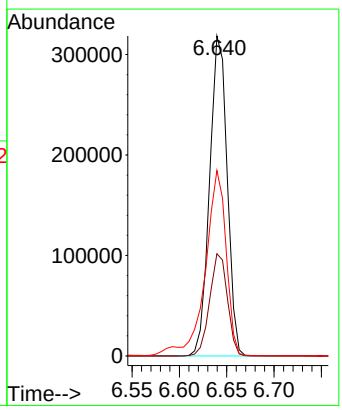


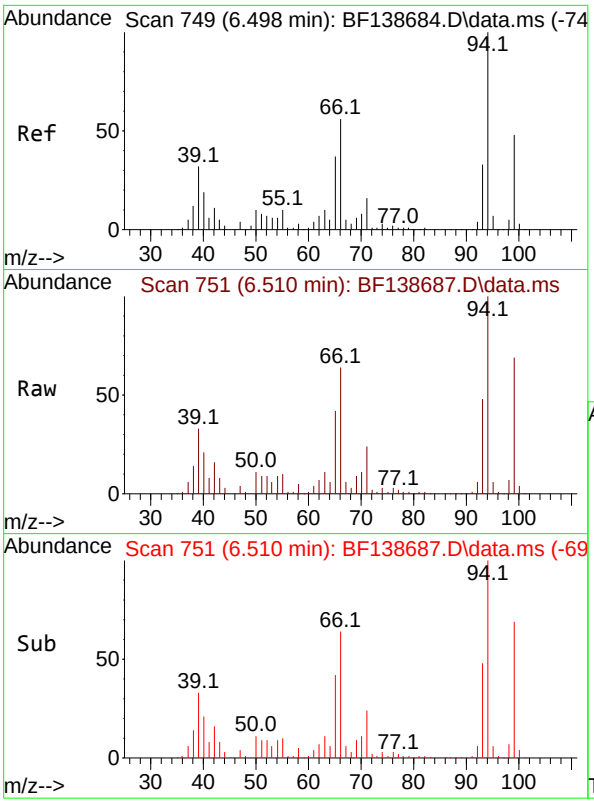


#8
2-Chlorophenol
Concen: 73.470 ng
RT: 6.640 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:128 Resp: 412290

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	57.9	36.3	76.3



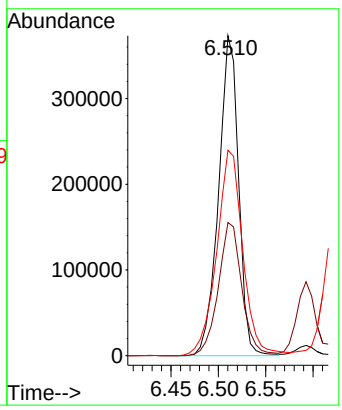


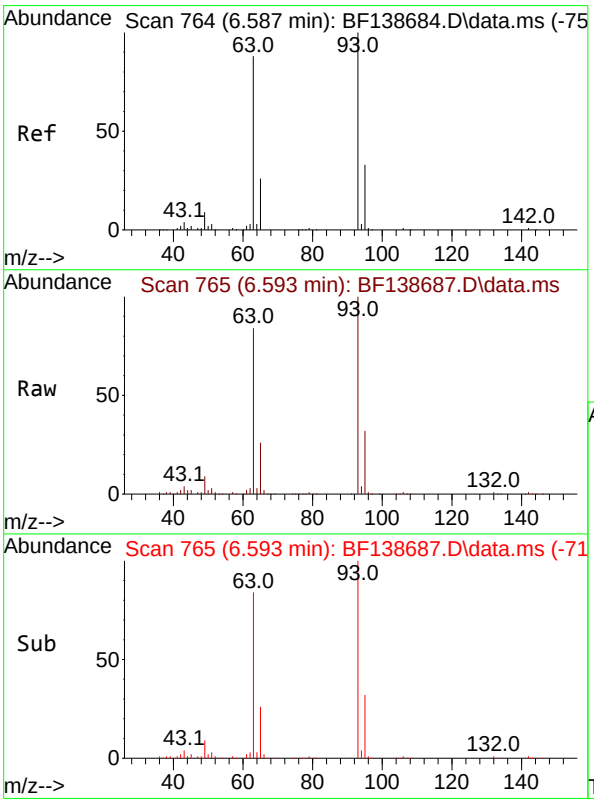
#10
Phenol
Concen: 72.698 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 548122

Ion	Ratio	Lower	Upper
94	100		
65	41.6	16.9	56.9
66	64.2	36.5	76.5

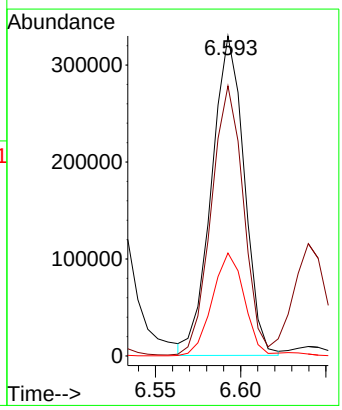


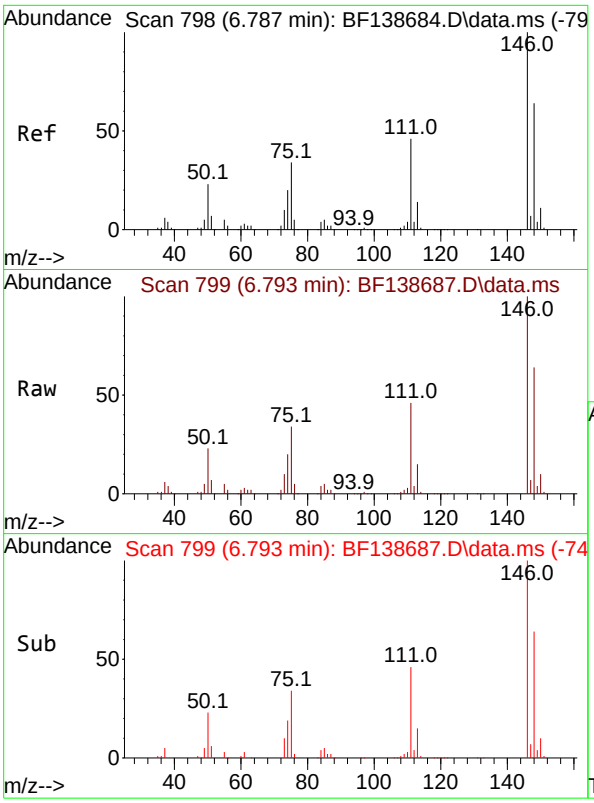


#11
bis(2-Chloroethyl)ether
Concen: 75.750 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 93 Resp: 439507

Ion	Ratio	Lower	Upper
93	100		
63	84.4	65.3	105.3
95	32.1	12.4	52.4



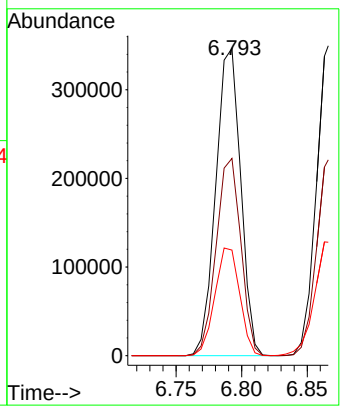


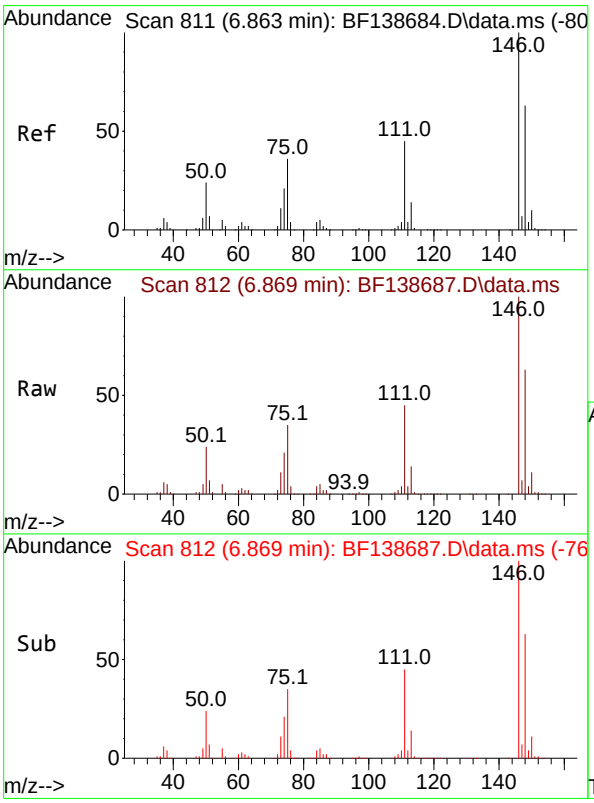
#12
1,3-Dichlorobenzene
Concen: 72.845 ng
RT: 6.793 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 457584

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	34.4	27.4	41.2

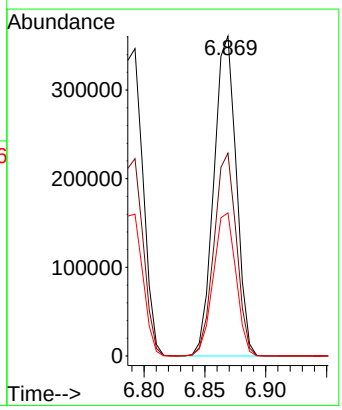


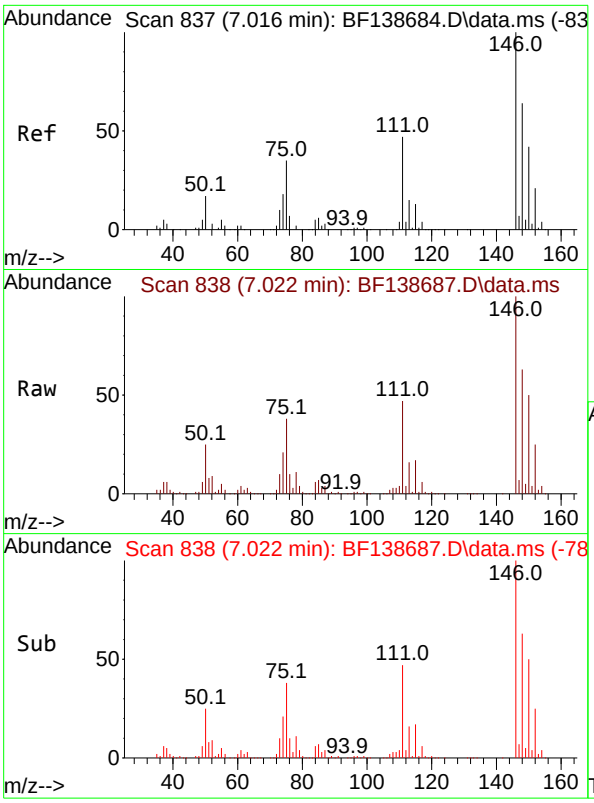


#13
1,4-Dichlorobenzene
Concen: 73.107 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:146 Resp: 463447

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.2	75.2
111	44.7	35.9	53.9



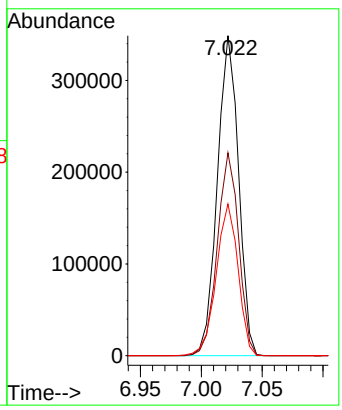


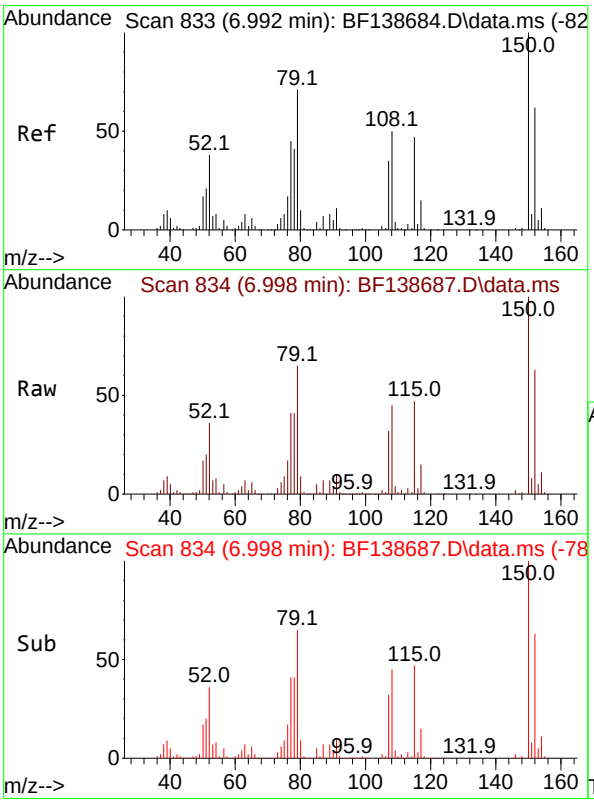
#14
1,2-Dichlorobenzene
Concen: 71.351 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 422717

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	47.4	37.4	56.2

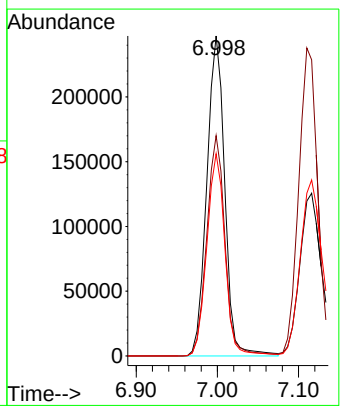


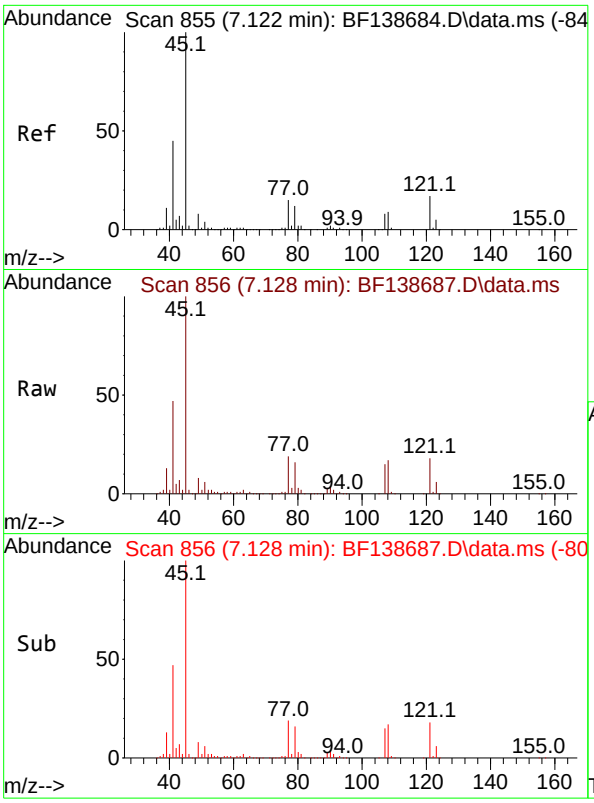


#15
Benzyl Alcohol
Concen: 73.451 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 79 Resp: 379102

Ion	Ratio	Lower	Upper
79	100		
108	68.9	56.6	85.0
77	63.2	50.3	75.5



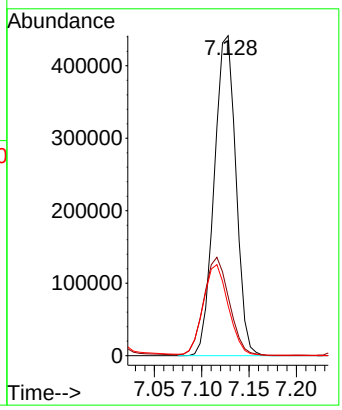


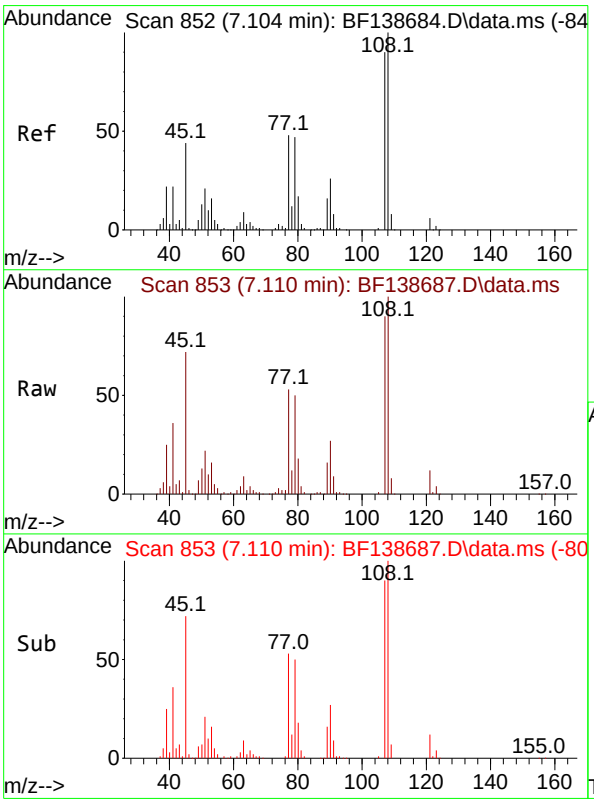
#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.510 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 704056

Ion	Ratio	Lower	Upper
45	100		
77	18.5	0.0	34.9
79	15.7	0.0	32.2

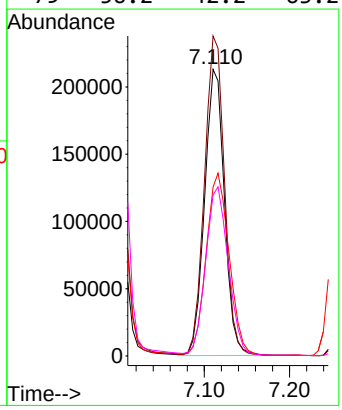


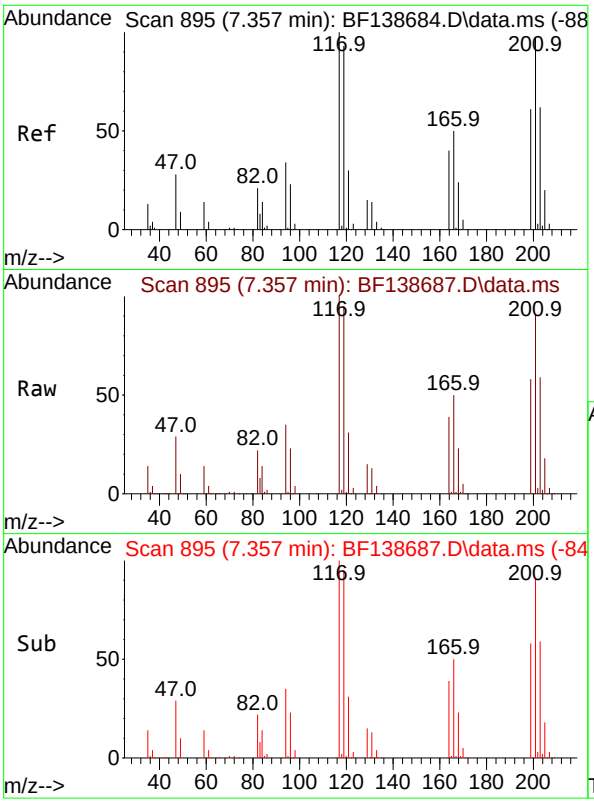


#17
2-Methylphenol
Concen: 74.274 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:107 Resp: 344171

Ion	Ratio	Lower	Upper
107	100		
108	111.7	89.2	133.8
77	59.0	43.0	64.4
79	56.2	42.2	63.2



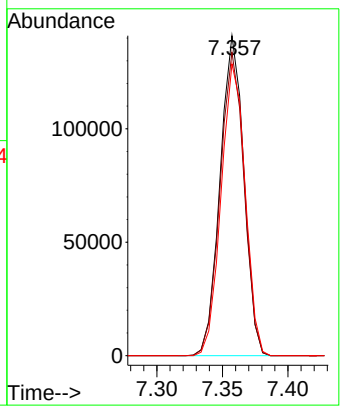


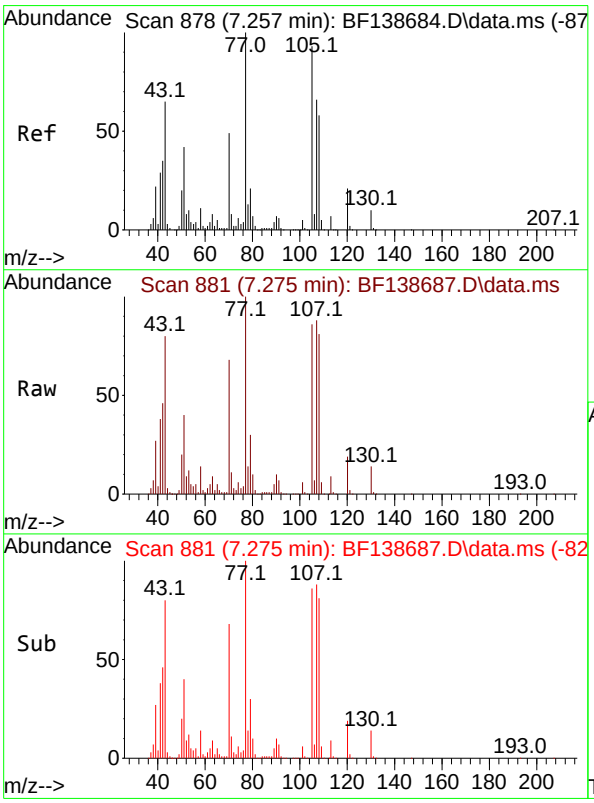
#18
Hexachloroethane
Concen: 74.559 ng
RT: 7.357 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 177915

Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.6	111.8
201	91.2	77.2	115.8

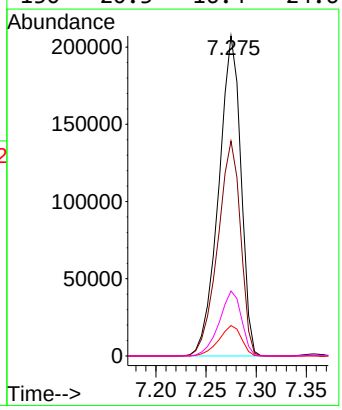


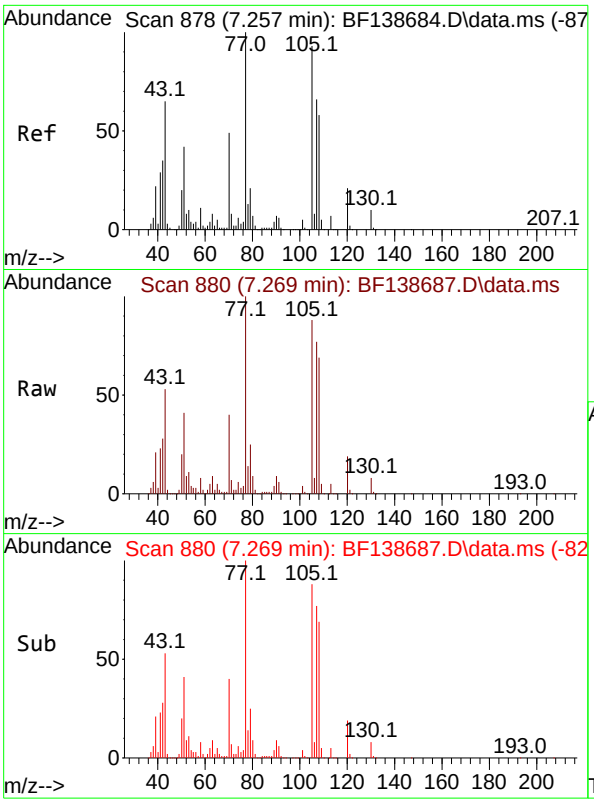


#19
n-Nitroso-di-n-propylamine
Concen: 73.850 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 70 Resp: 319414

Ion	Ratio	Lower	Upper
70	100		
42	67.1	57.4	86.0
101	9.5	7.5	11.3
130	20.3	16.4	24.6



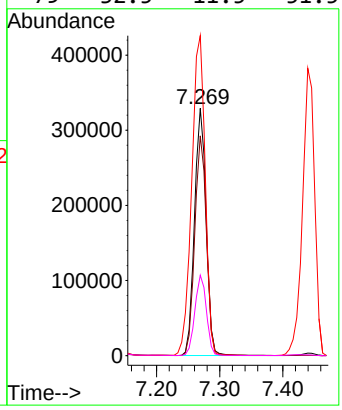


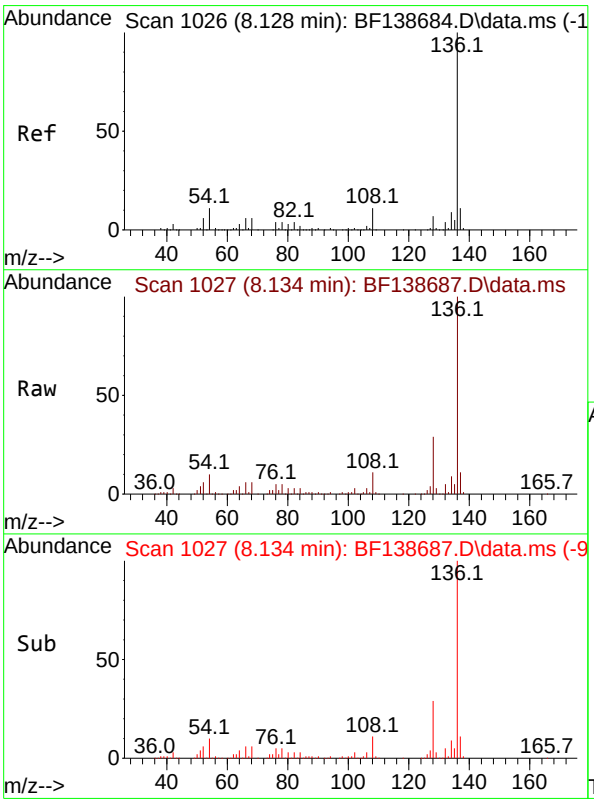
#20
3+4-Methylphenols
Concen: 70.728 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 420506

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.2	108.2
77	129.4	132.1	172.1#
79	32.5	11.5	51.5

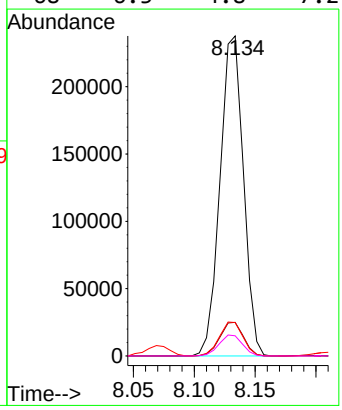


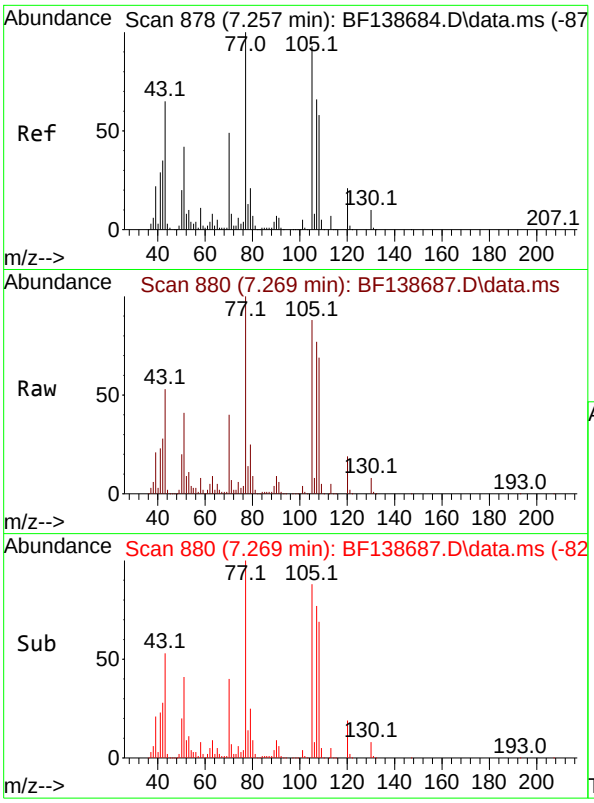


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:136 Resp: 318281

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.4	8.6	12.8
68	6.3	4.8	7.2



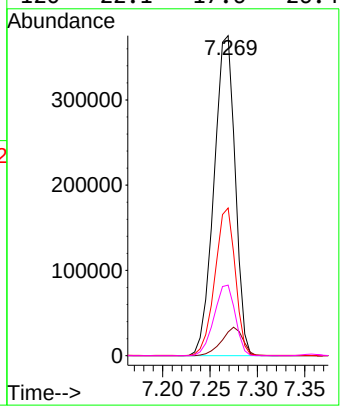


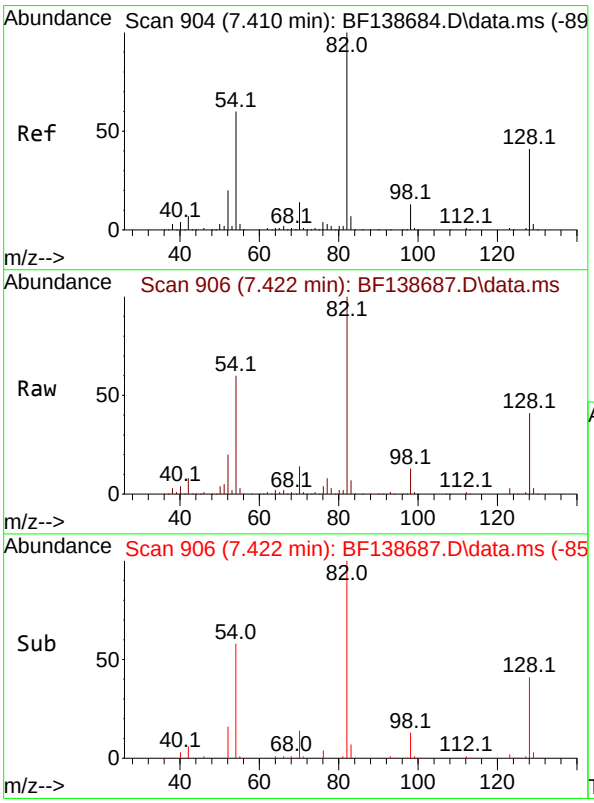
#22
Acetophenone
Concen: 74.849 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 583306

Ion	Ratio	Lower	Upper
105	100		
71	7.4	7.2	10.8
51	46.1	35.9	53.9
120	22.1	17.6	26.4

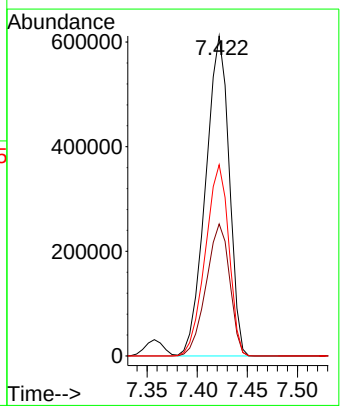


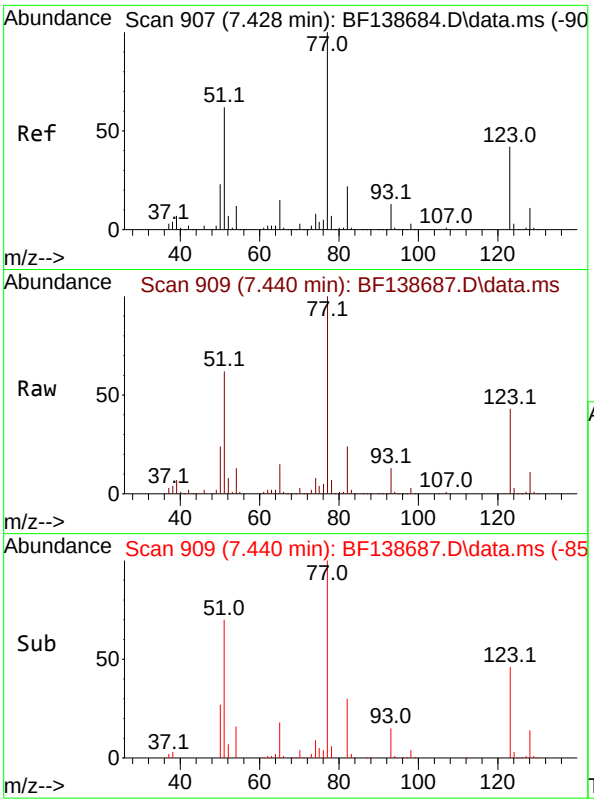


#23
Nitrobenzene-d5
Concen: 153.499 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 82 Resp: 999276

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.8	49.2
54	59.8	48.3	72.5



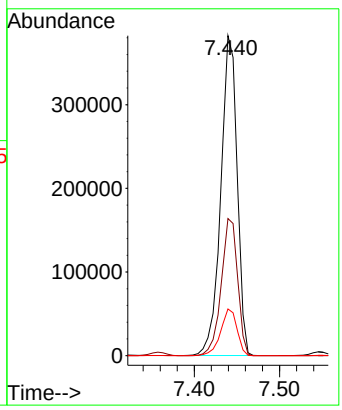


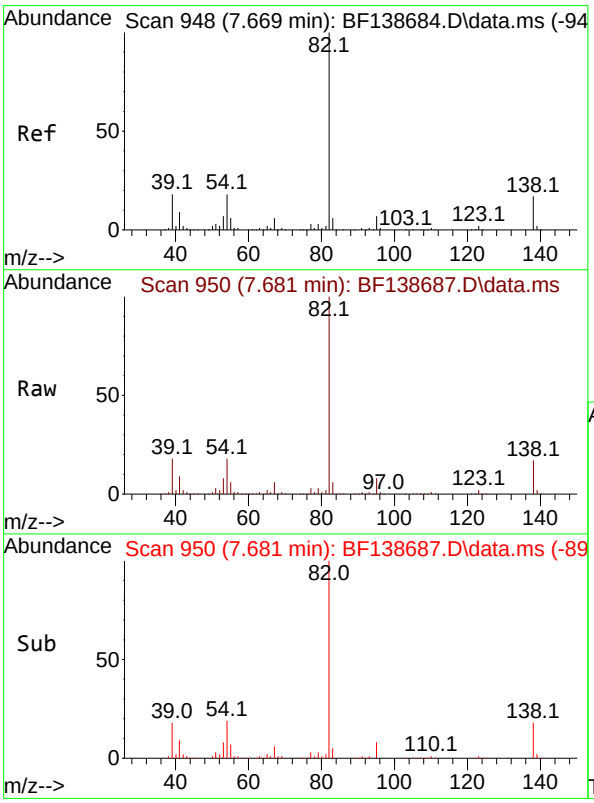
#24
Nitrobenzene
Concen: 77.019 ng
RT: 7.440 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 510201

Ion	Ratio	Lower	Upper
77	100		
123	42.8	33.3	49.9
65	14.6	11.9	17.9

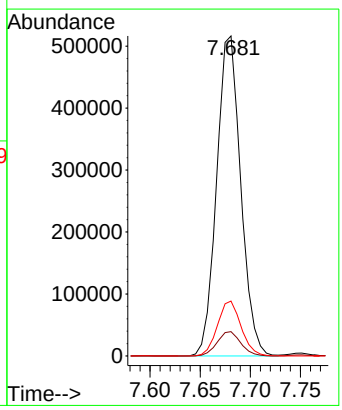


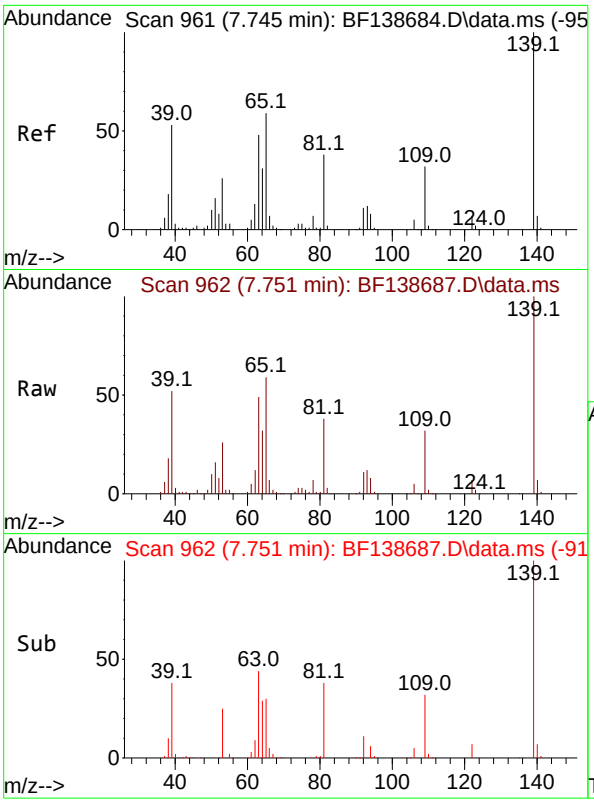


#25
Isophorone
Concen: 77.580 ng
RT: 7.681 min Scan# 950
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 82 Resp: 862380

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.7	8.5
138	17.2	13.7	20.5



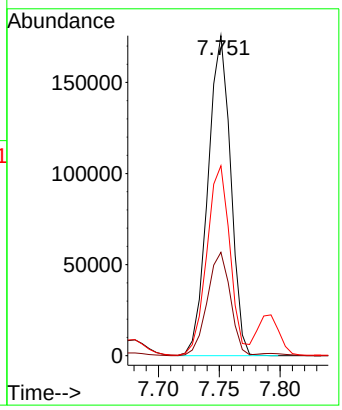


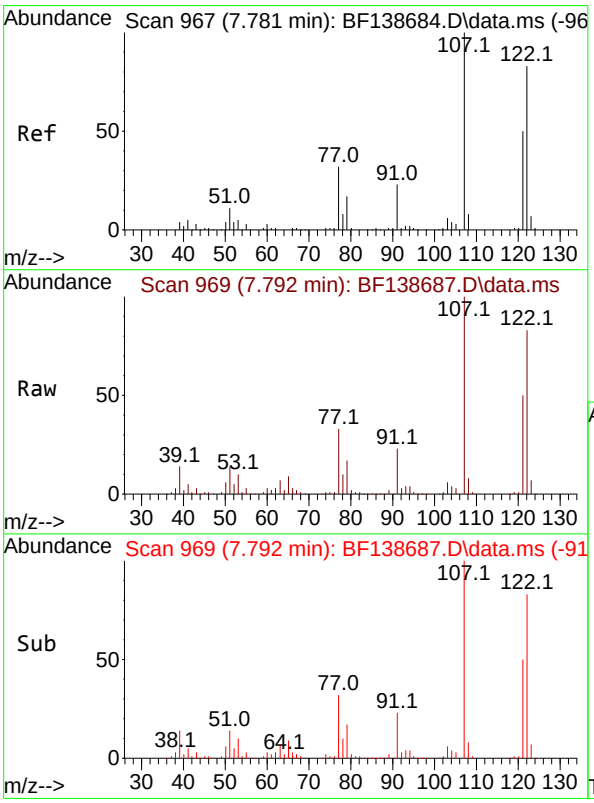
#26
2-Nitrophenol
Concen: 79.835 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 227531

Ion	Ratio	Lower	Upper
139	100		
109	32.3	25.9	38.9
65	59.3	47.0	70.6

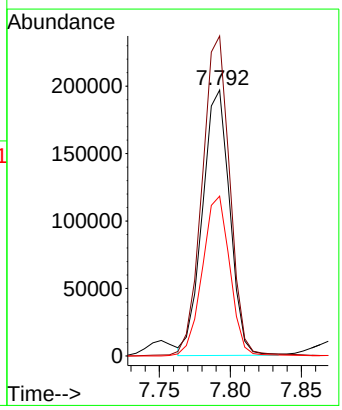


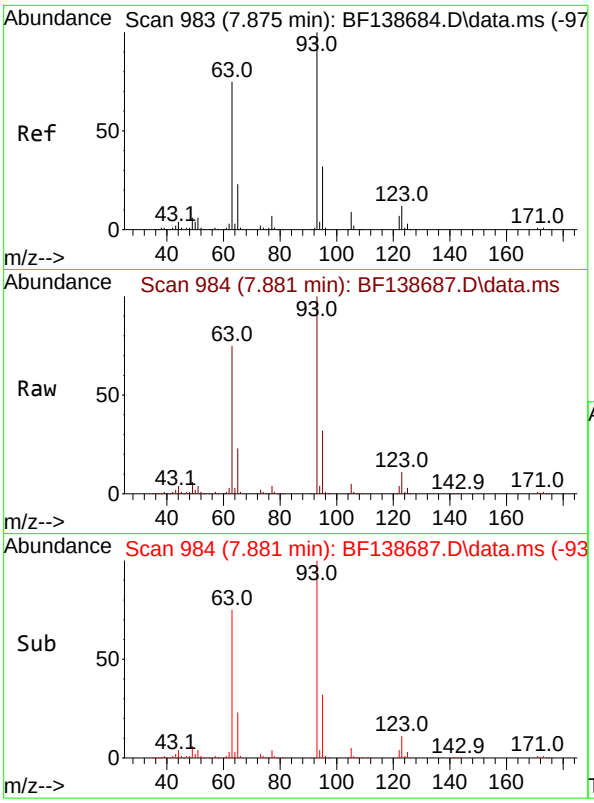


#27
2,4-Dimethylphenol
Concen: 77.265 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:122 Resp: 263469

Ion	Ratio	Lower	Upper
122	100		
107	120.4	95.0	142.6
121	60.1	47.3	70.9



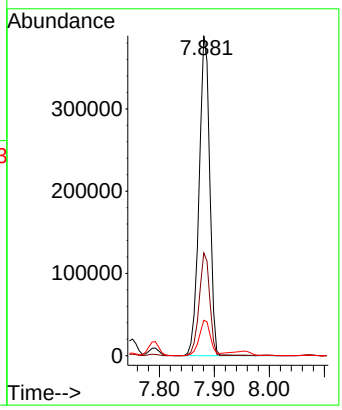


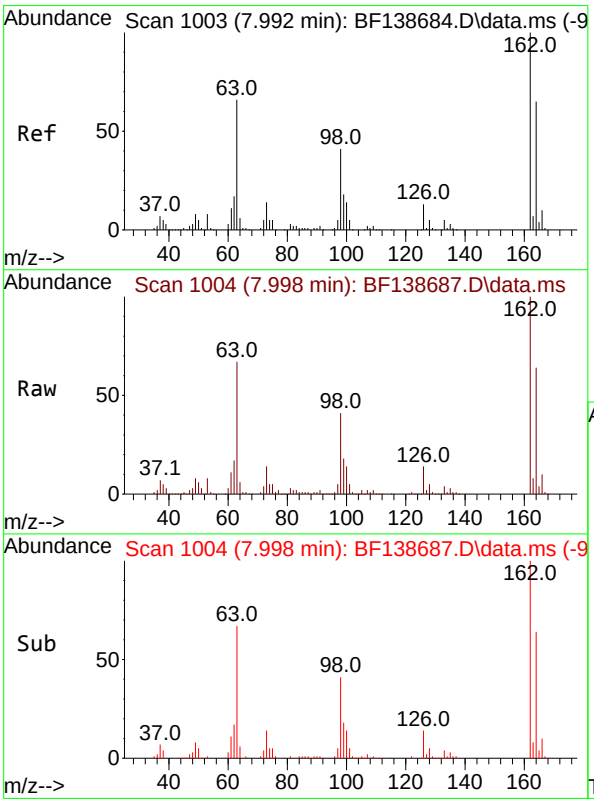
#28
bis(2-Chloroethoxy)methane
Concen: 77.190 ng
RT: 7.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 522528

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	11.1	9.4	14.0

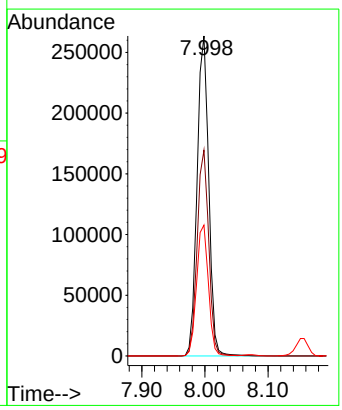


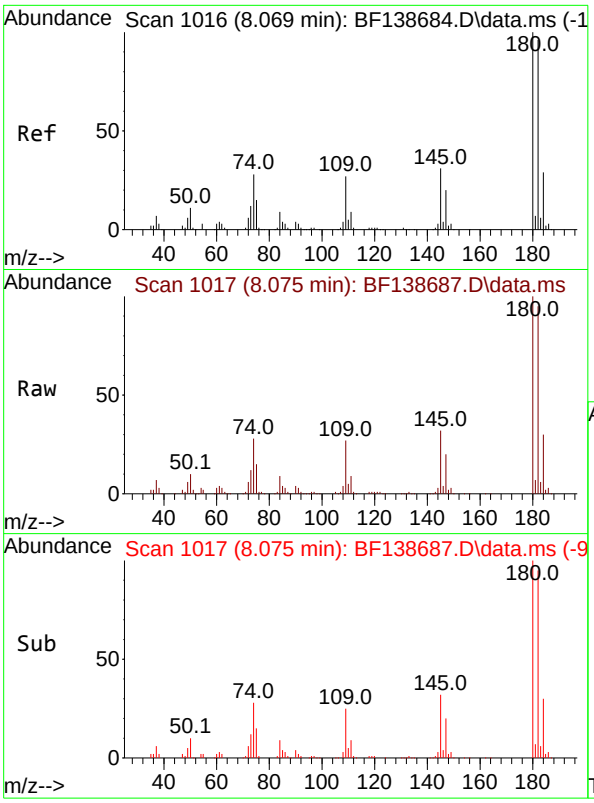


#29
2,4-Dichlorophenol
Concen: 76.805 ng
RT: 7.998 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:162 Resp: 336540

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.7	84.7
98	40.9	20.8	60.8



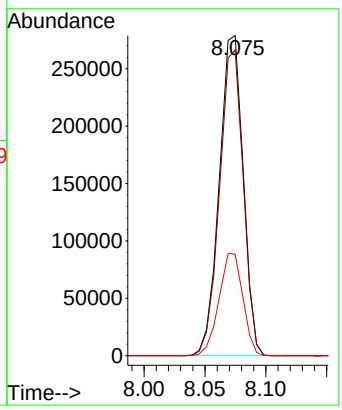


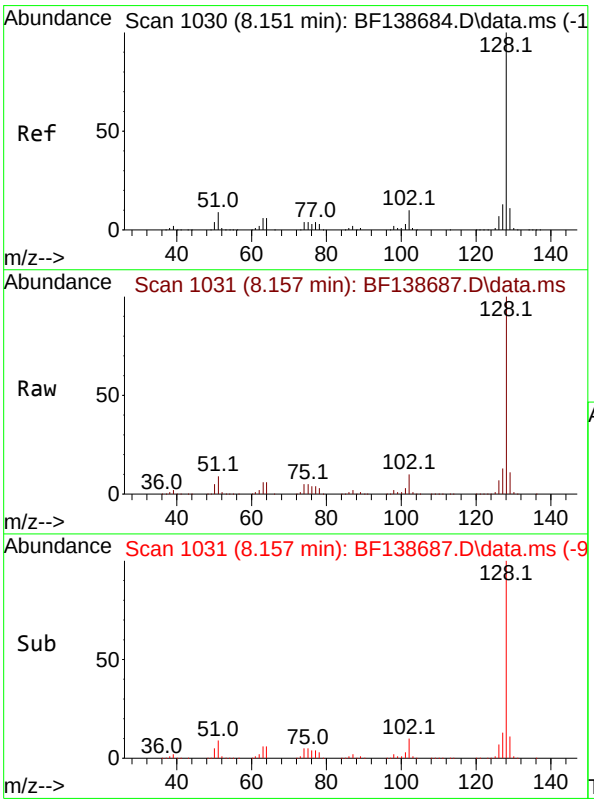
#30
1,2,4-Trichlorobenzene
Concen: 75.405 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 381296

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	31.7	25.0	37.4

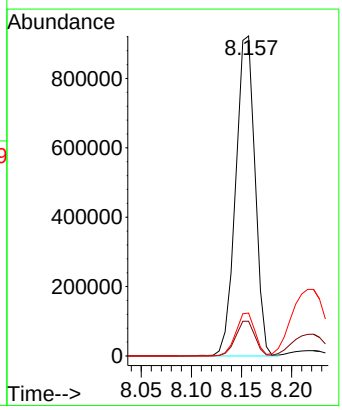


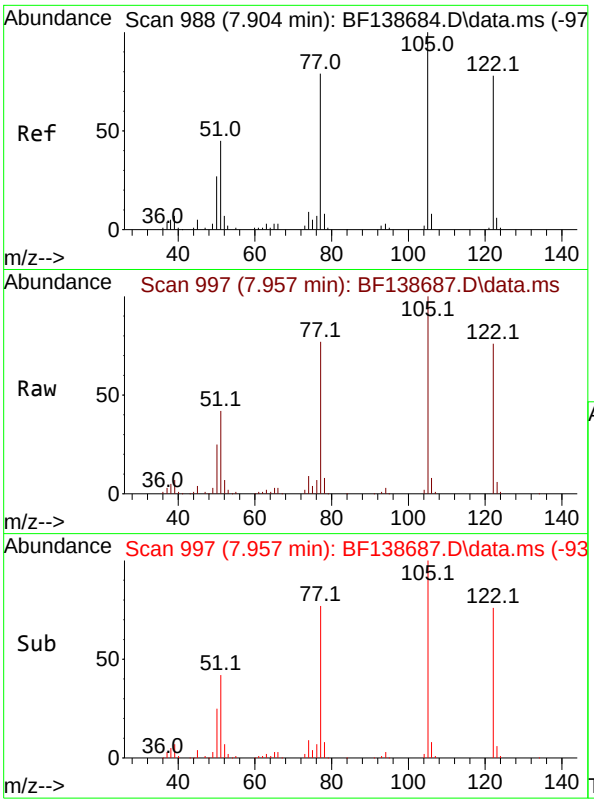


#31
Naphthalene
Concen: 74.139 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:128 Resp: 1242069

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.6	16.0



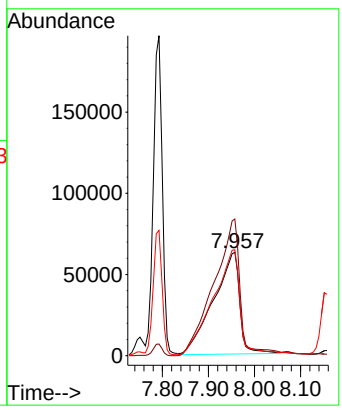


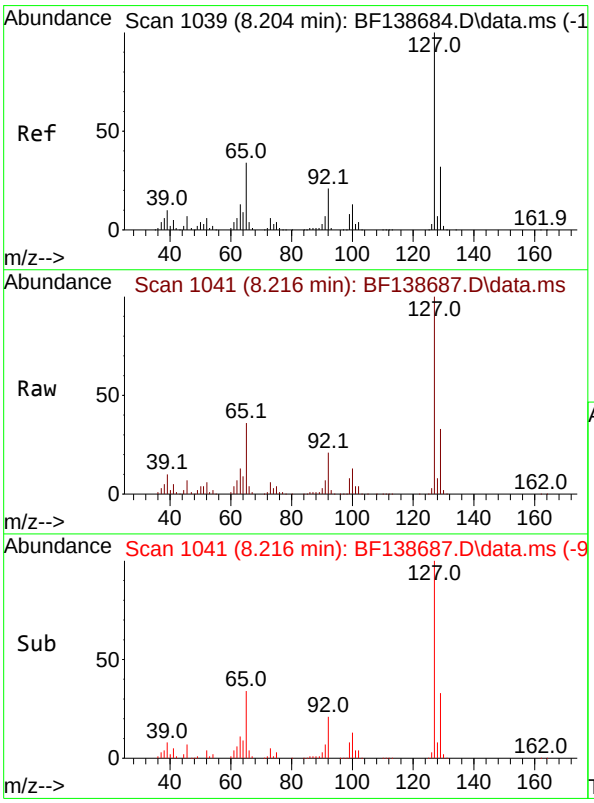
#32
Benzoic acid
Concen: 92.209 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.053 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 247058

Ion	Ratio	Lower	Upper
122	100		
105	132.3	106.7	146.7
77	102.5	81.1	121.1

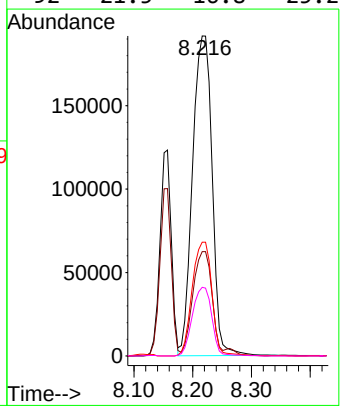


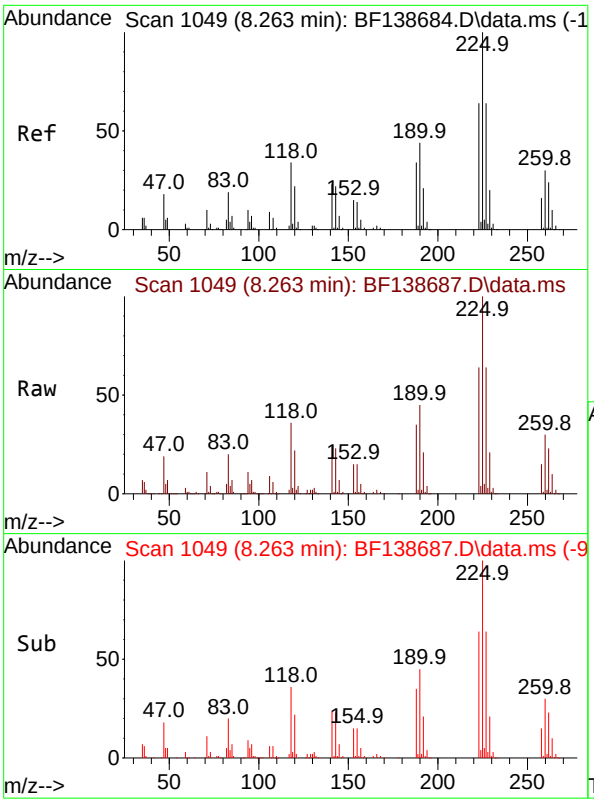


#33
4-Chloroaniline
Concen: 78.849 ng
RT: 8.216 min Scan# 1041
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:127 Resp: 443424

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	35.6	27.6	41.4
92	21.5	16.8	25.2



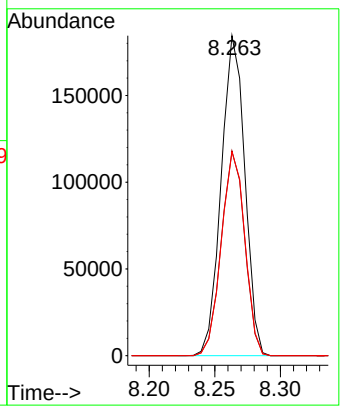


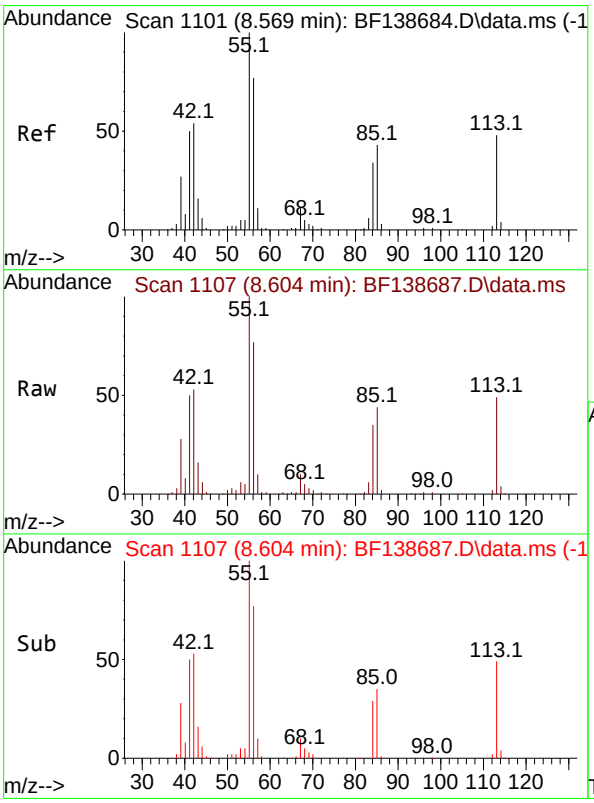
#34
Hexachlorobutadiene
Concen: 75.351 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 230783

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.2	76.8
227	63.7	51.1	76.7

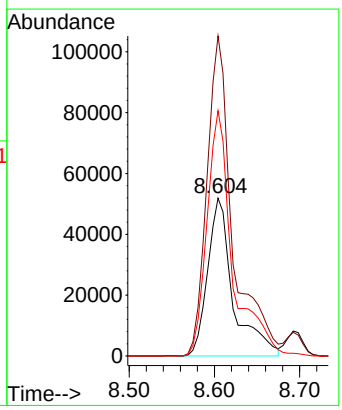


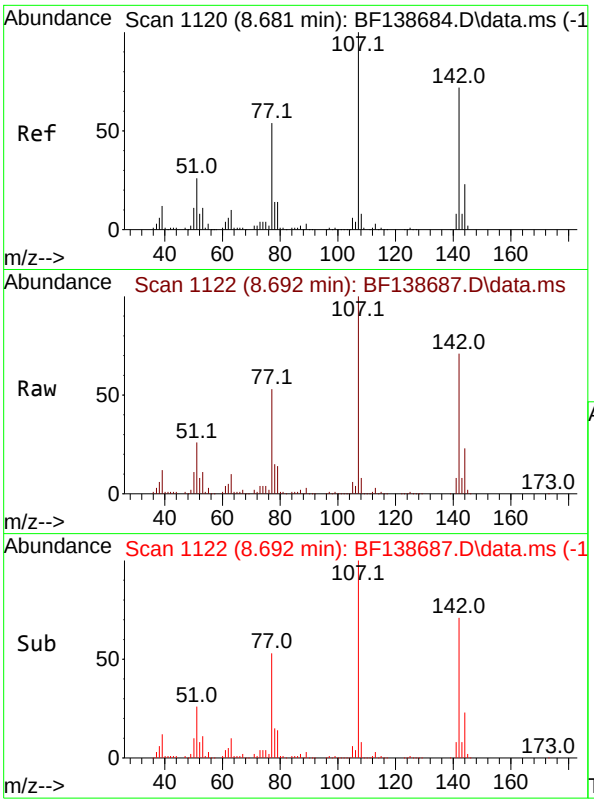


#35
Caprolactam
Concen: 82.539 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.035 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:113 Resp: 107916

Ion	Ratio	Lower	Upper
113	100		
55	202.9	186.7	226.7
56	155.5	138.9	178.9



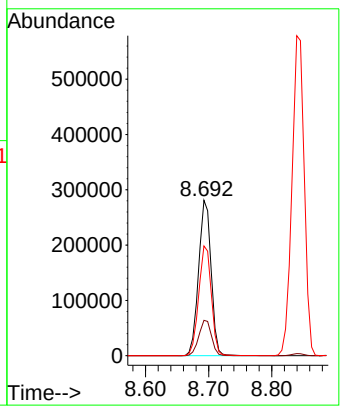


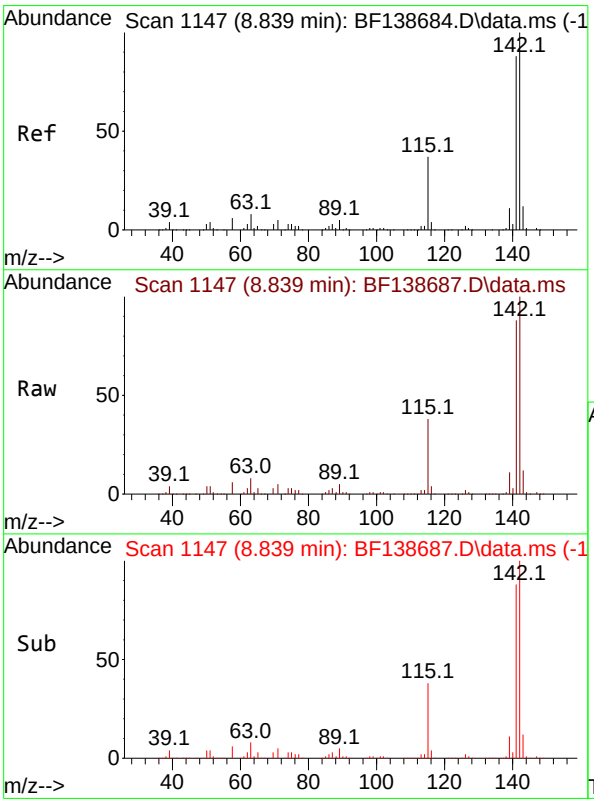
#36
4-Chloro-3-methylphenol
Concen: 77.158 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 386382

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.2	27.2
142	70.7	57.4	86.2

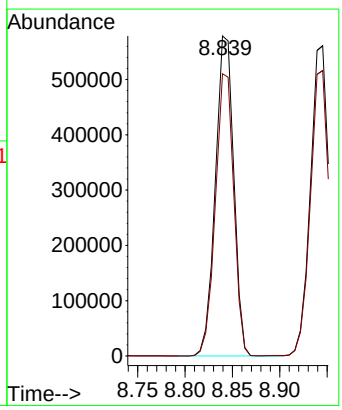


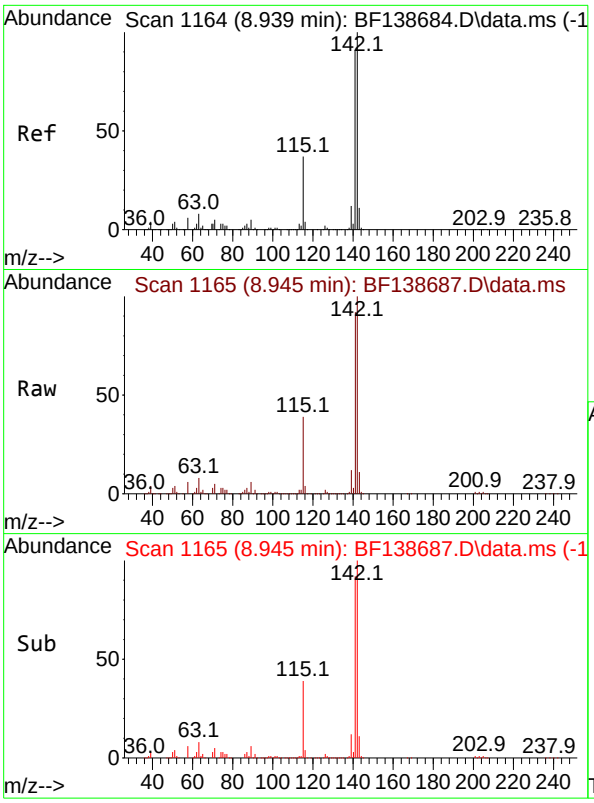


#37
2-Methylnaphthalene
Concen: 73.988 ng
RT: 8.839 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:142 Resp: 782843

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2



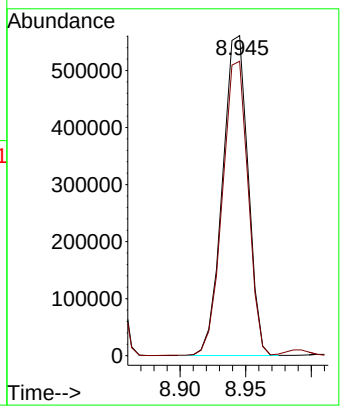


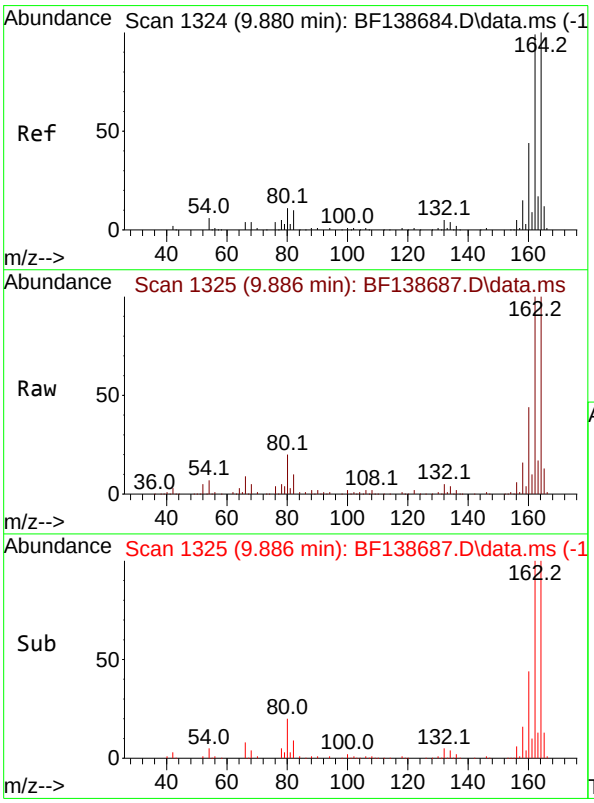
#38
1-Methylnaphthalene
Concen: 73.328 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 760272

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7

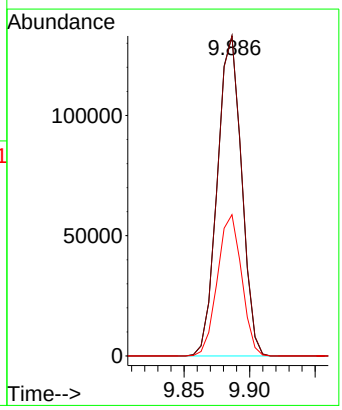


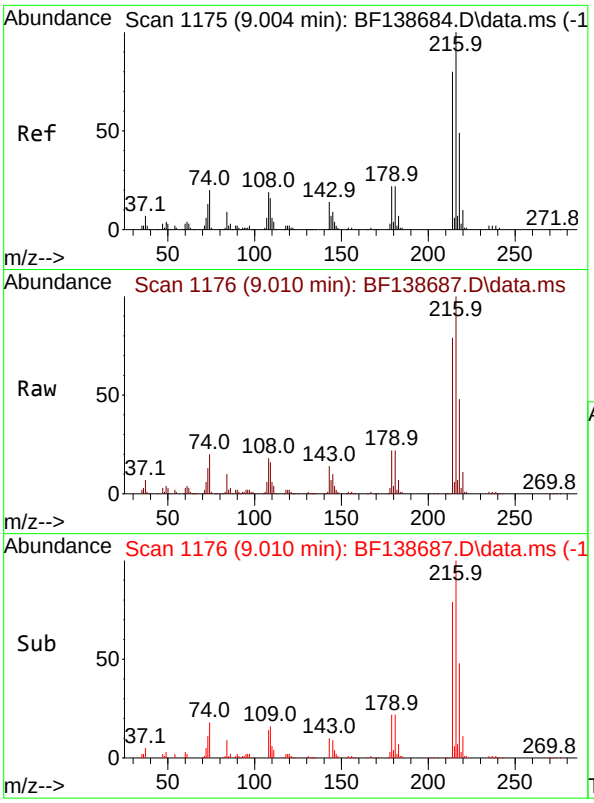


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:164 Resp: 170513

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.2	35.1	52.7



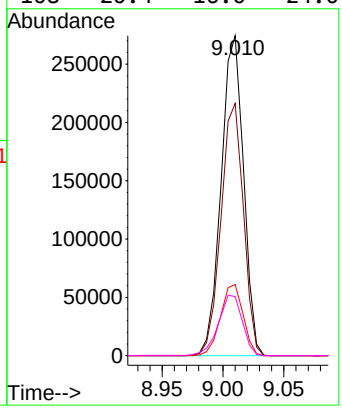


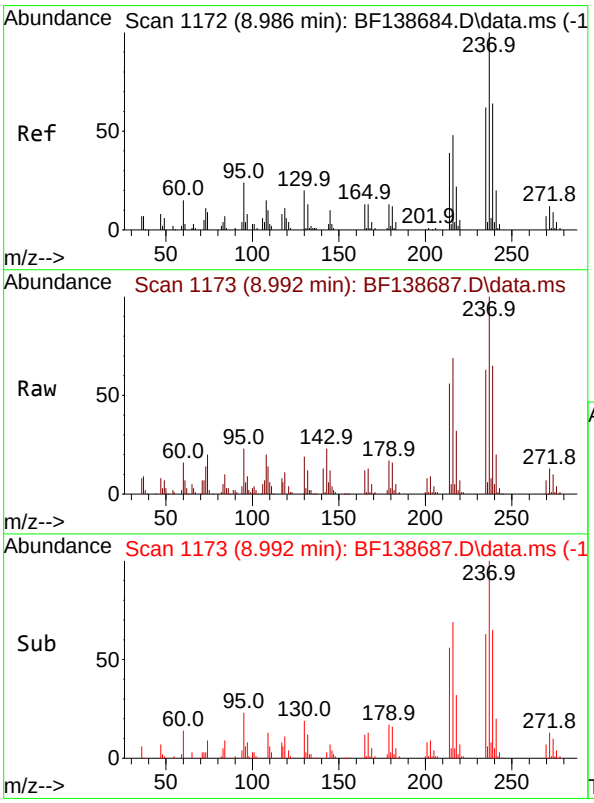
#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.196 ng
RT: 9.010 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 351438

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.9	95.9
179	22.5	17.8	26.6
108	20.4	16.0	24.0

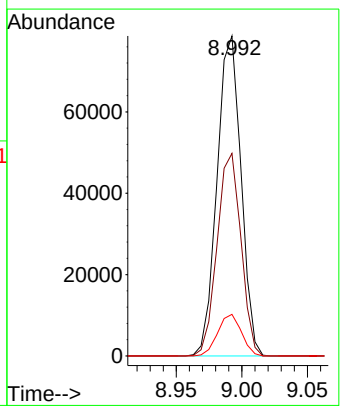


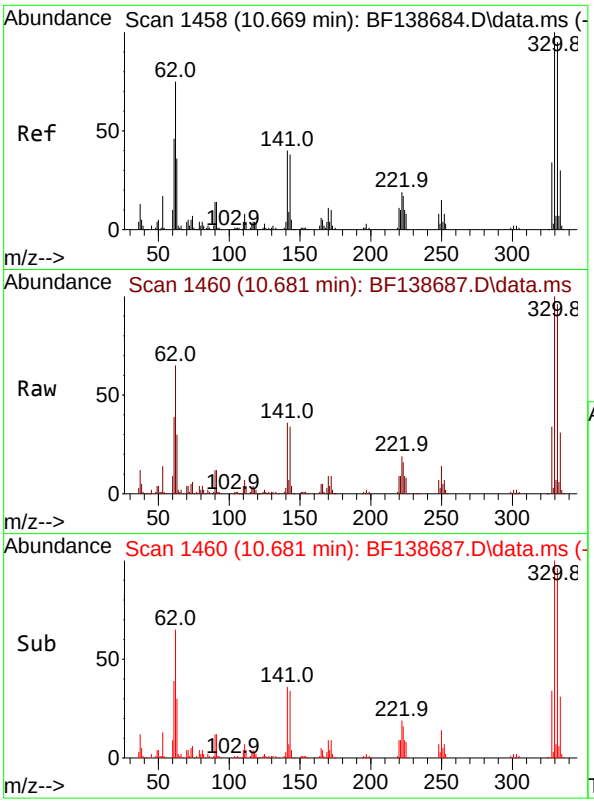


#41
Hexachlorocyclopentadiene
Concen: 79.729 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:237 Resp: 99926

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.8	81.8
272	13.0	0.0	32.2



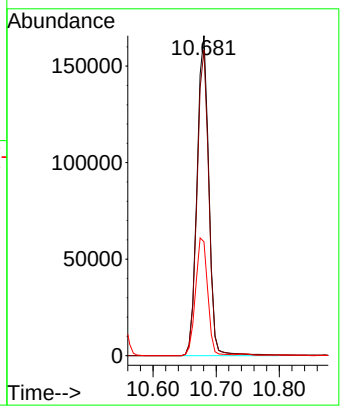


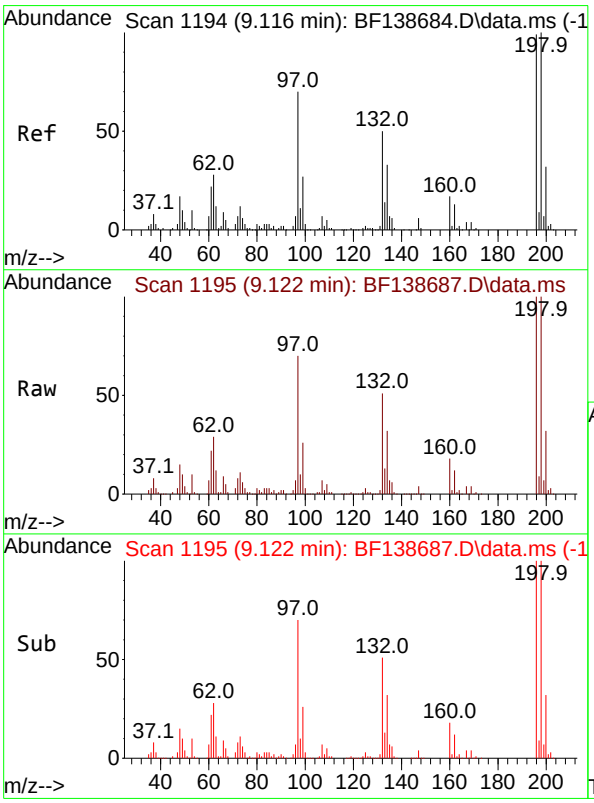
#42
2,4,6-Tribromophenol
Concen: 154.157 ng
RT: 10.681 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 215316

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.4	114.6
141	37.9	31.1	46.7

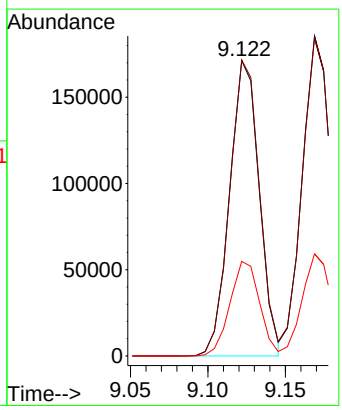


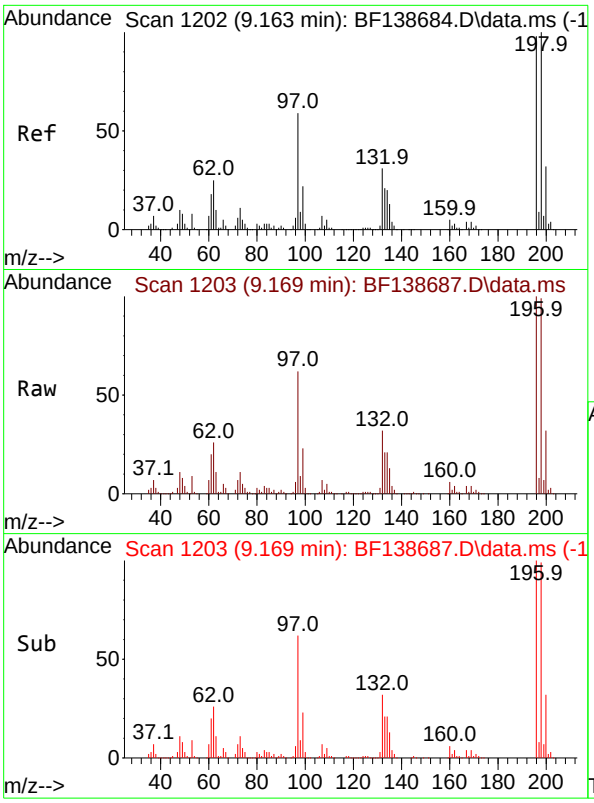


#43
2,4,6-Trichlorophenol
Concen: 78.913 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:196 Resp: 227901

Ion	Ratio	Lower	Upper
196	100		
198	100.2	80.5	120.7
200	32.0	25.9	38.9



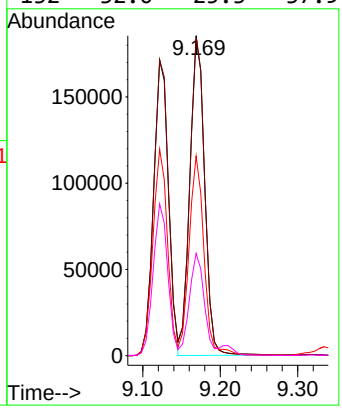


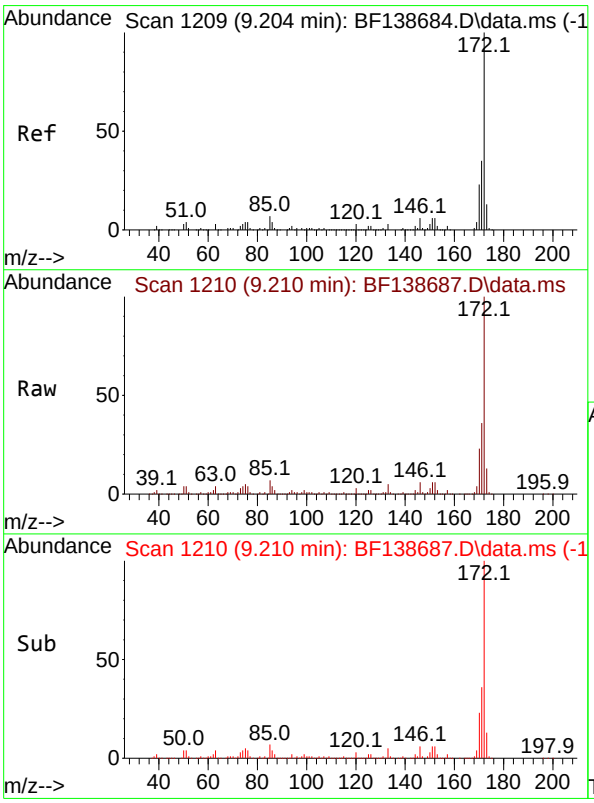
#44
2,4,5-Trichlorophenol
Concen: 77.822 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 245697

Ion	Ratio	Lower	Upper
196	100		
198	99.3	81.2	121.8
97	62.4	47.8	71.6
132	32.0	25.3	37.9

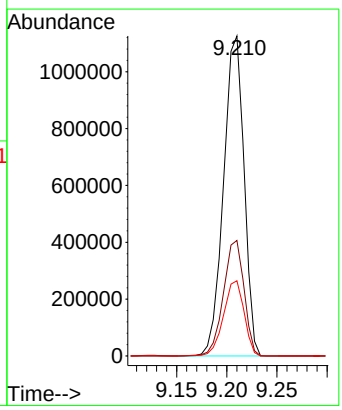


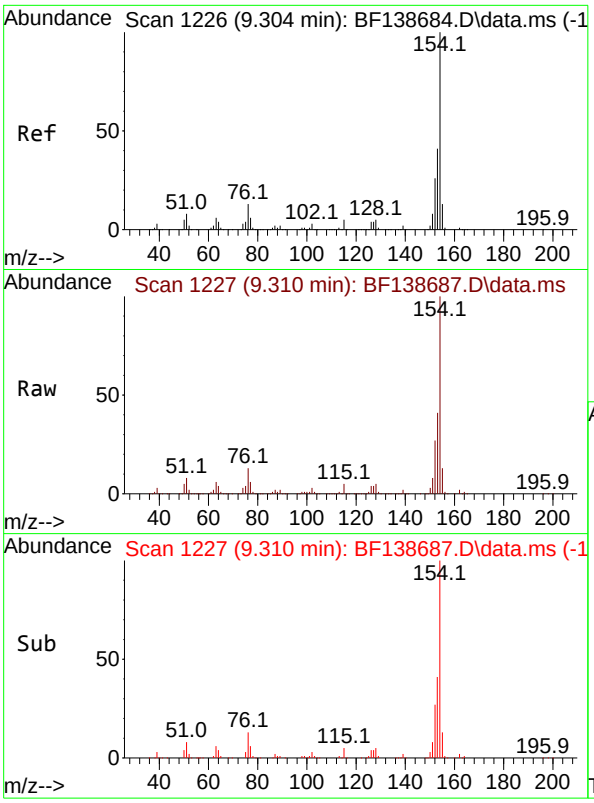


#45
2-Fluorobiphenyl
Concen: 140.843 ng
RT: 9.210 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:172 Resp: 1598378

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	23.5	18.8	28.2



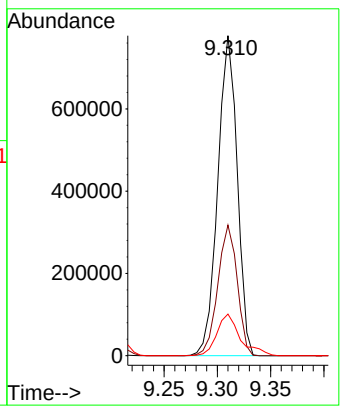


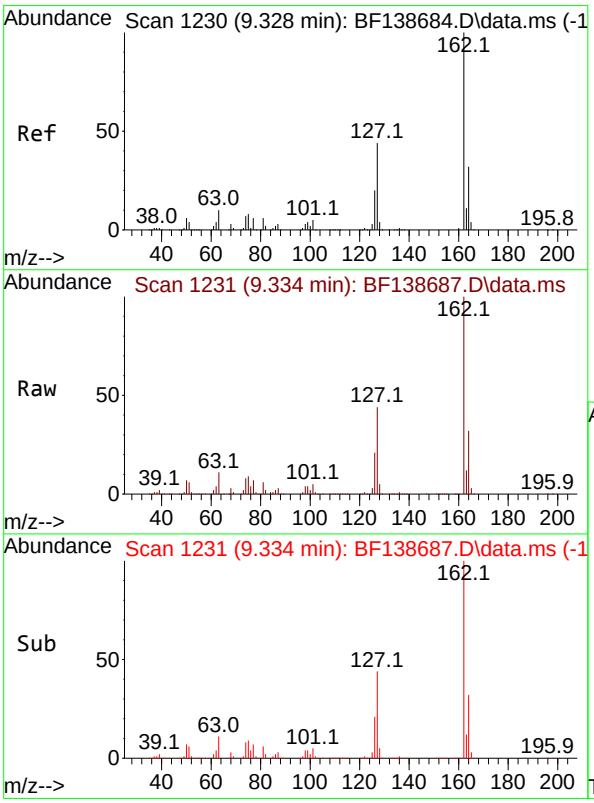
#46
1,1'-Biphenyl
Concen: 73.651 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 983564

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.8	60.8
76	13.0	0.0	32.8

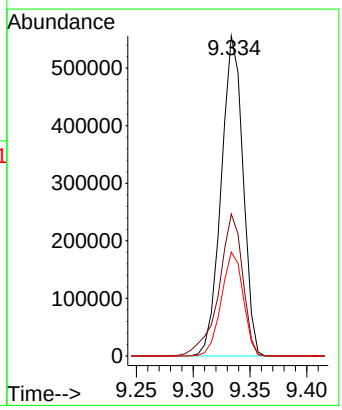


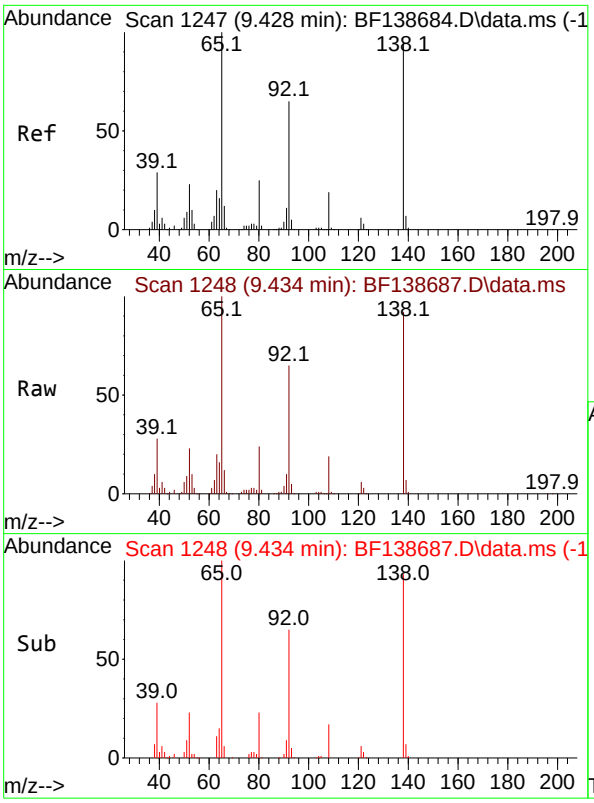


#47
2-Chloronaphthalene
Concen: 74.793 ng
RT: 9.334 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:162 Resp: 742852

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.4	53.2
164	32.4	25.6	38.4



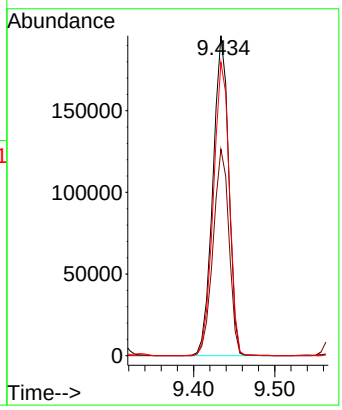


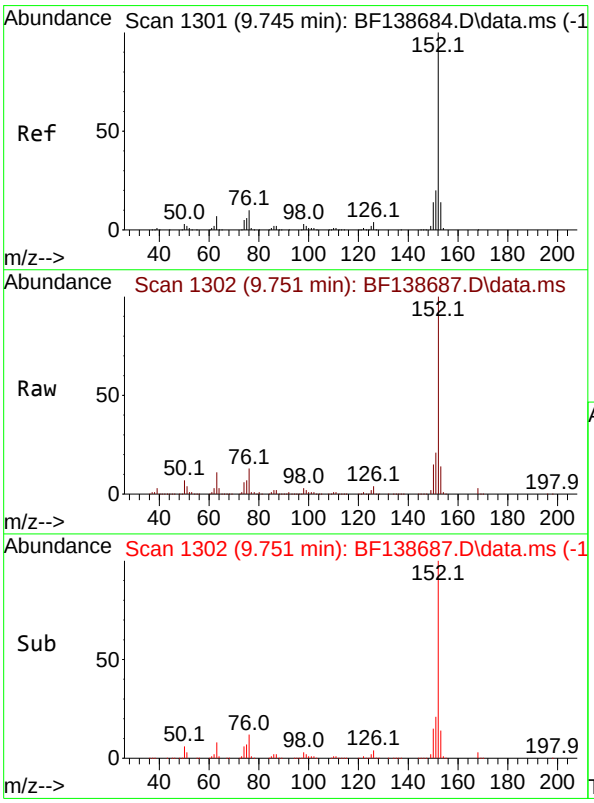
#48
2-Nitroaniline
Concen: 79.066 ng
RT: 9.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 266220

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.0	78.0
138	91.7	76.2	114.4

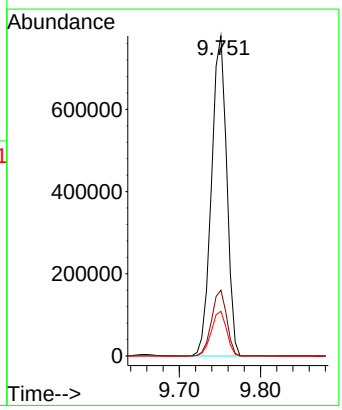


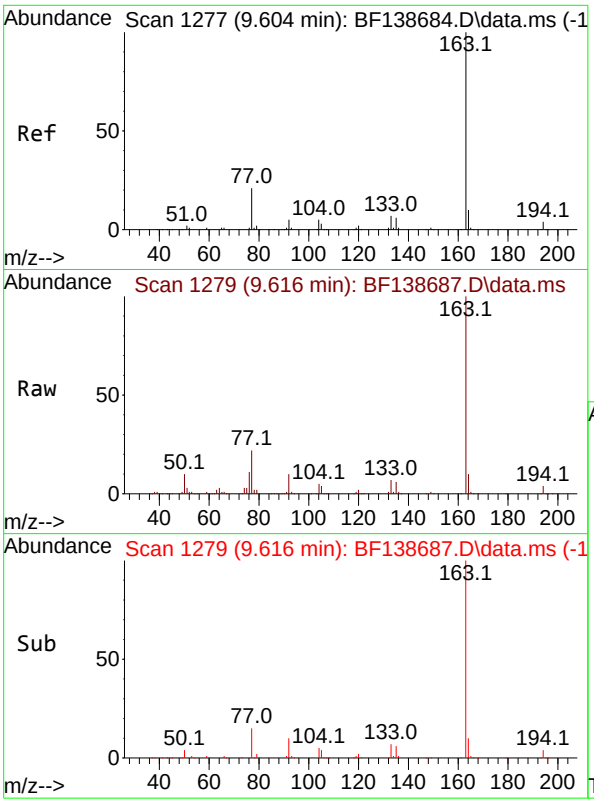


#49
Acenaphthylene
Concen: 71.944 ng
RT: 9.751 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:152 Resp: 1013441

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	14.0	11.0	16.4



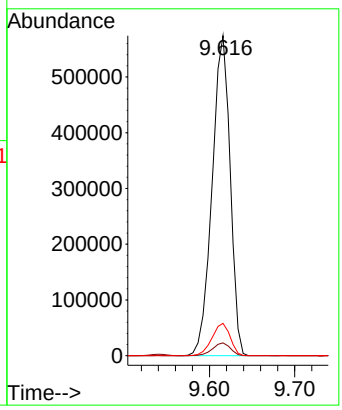


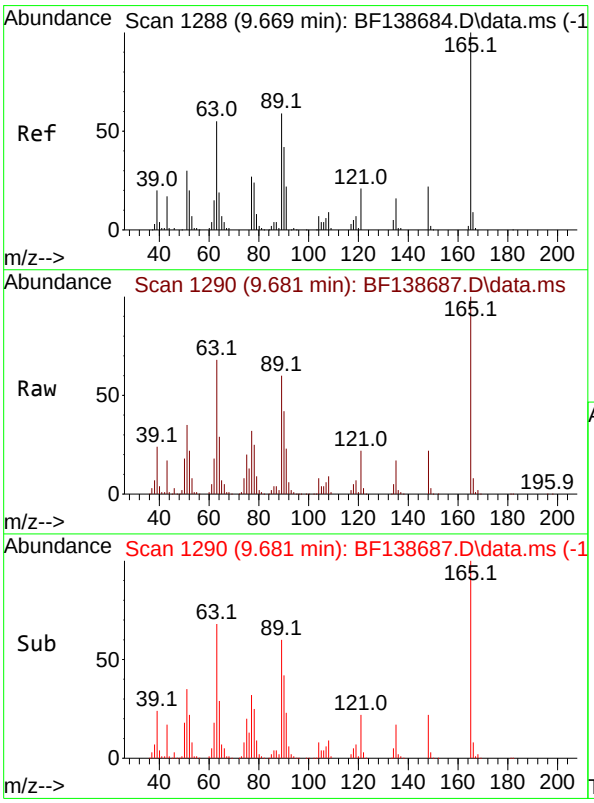
#50
Dimethylphthalate
Concen: 77.379 ng
RT: 9.616 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 843645

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.1	7.8	11.8

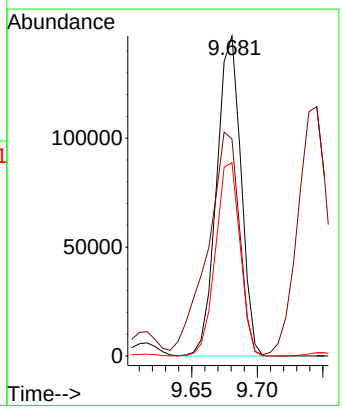


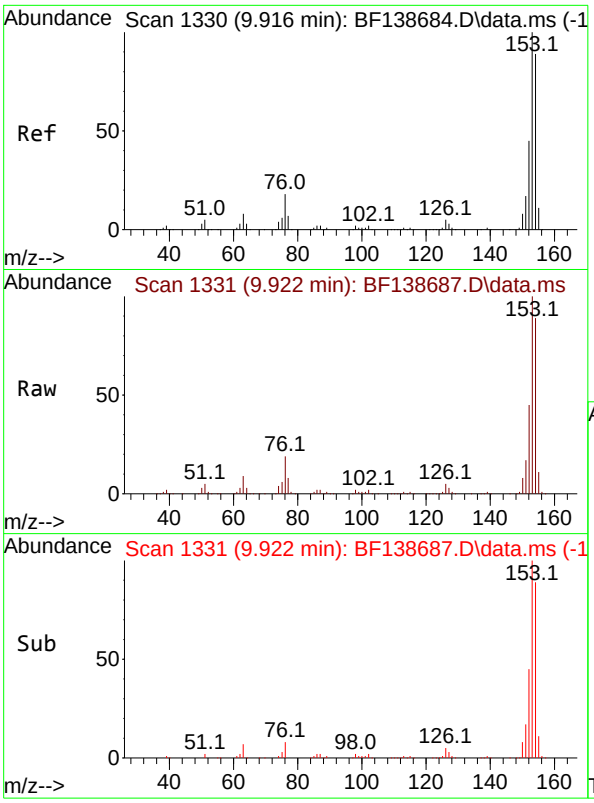


#51
2,6-Dinitrotoluene
Concen: 76.868 ng
RT: 9.681 min Scan# 1290
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:165 Resp: 189138

Ion	Ratio	Lower	Upper
165	100		
63	67.8	52.0	78.0
89	60.4	47.0	70.6



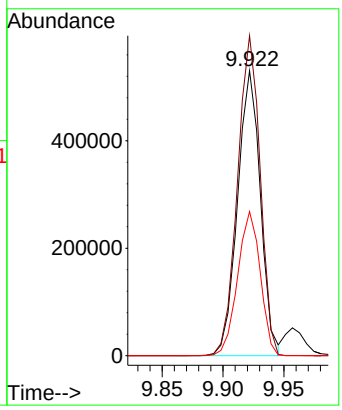


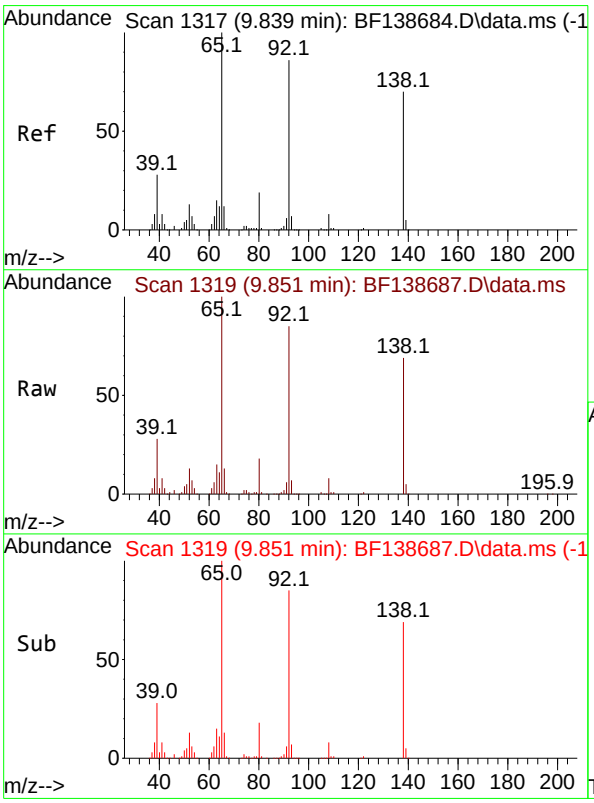
#52
Acenaphthene
Concen: 73.198 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 693130

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.9	134.9
152	50.6	40.6	60.8

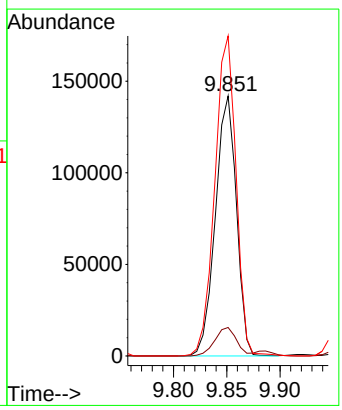


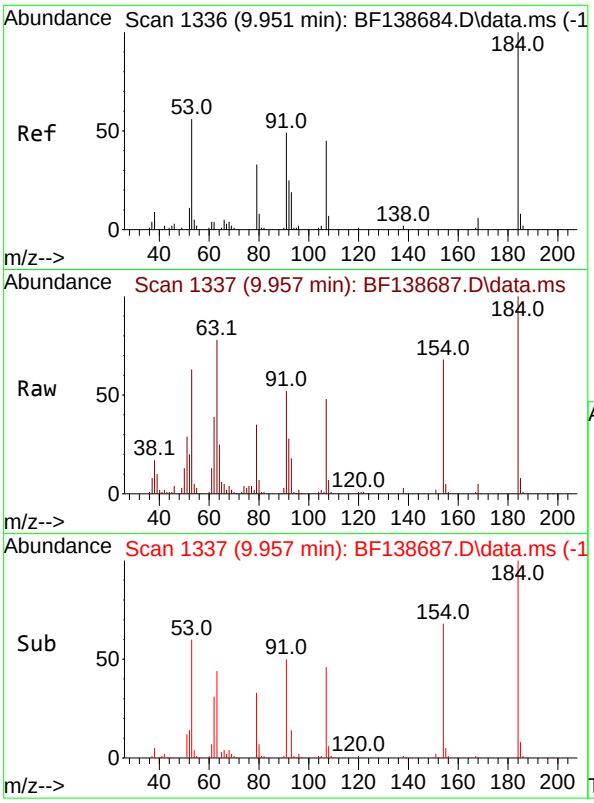


#53
3-Nitroaniline
Concen: 76.581 ng
RT: 9.851 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:138 Resp: 194796

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.1	13.7
92	123.1	98.7	148.1



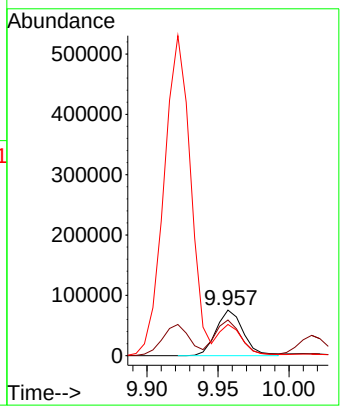


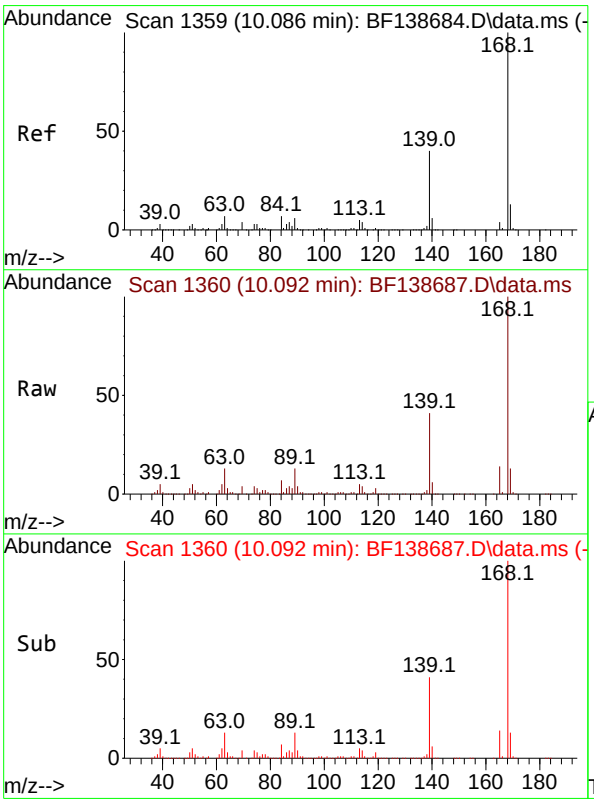
#54
2,4-Dinitrophenol
Concen: 88.986 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 100793

Ion	Ratio	Lower	Upper
184	100		
63	78.3	57.5	86.3
154	68.5	51.7	77.5

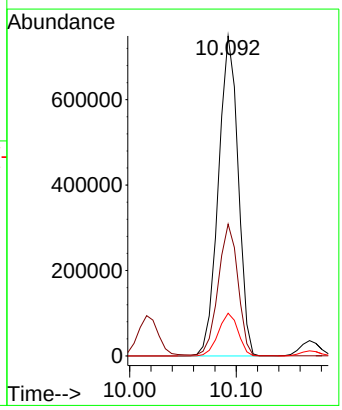


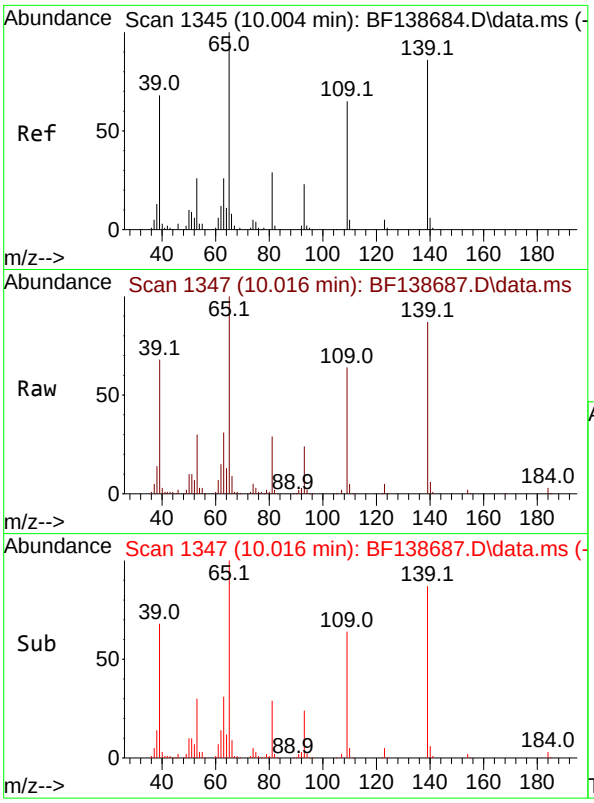


#55
Dibenzofuran
Concen: 72.071 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:168 Resp: 963359

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.6	49.0
169	13.4	10.7	16.1



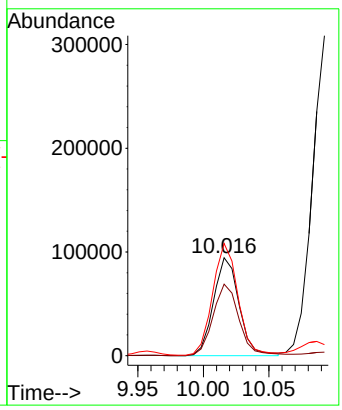


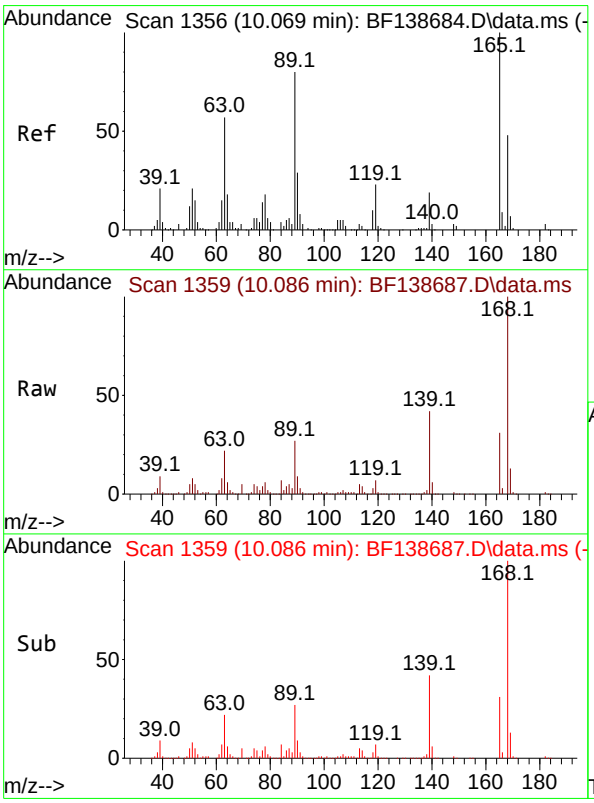
#56
4-Nitrophenol
Concen: 83.411 ng
RT: 10.016 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 127589

Ion	Ratio	Lower	Upper
139	100		
109	73.1	55.5	95.5
65	114.7	96.7	136.7

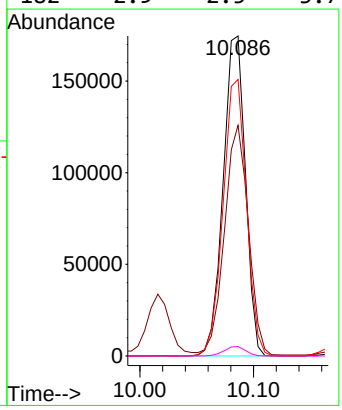


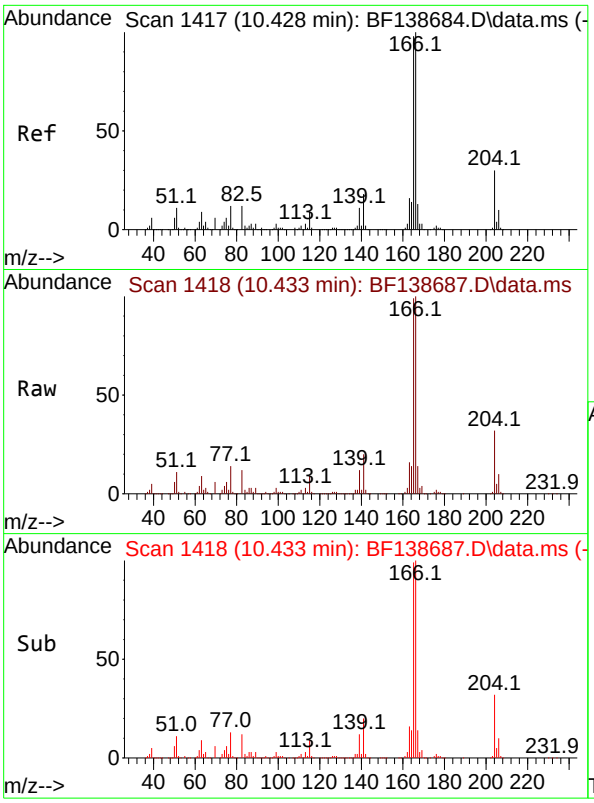


#57
2,4-Dinitrotoluene
Concen: 75.642 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:165 Resp: 237463

Ion	Ratio	Lower	Upper
165	100		
63	72.1	46.3	69.5#
89	86.4	64.2	96.4
182	2.9	2.5	3.7



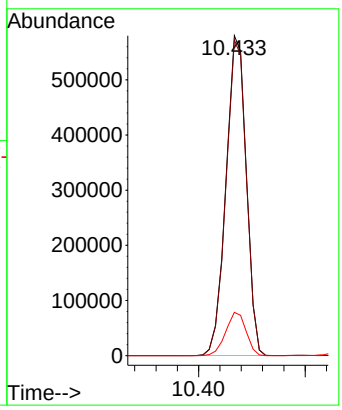


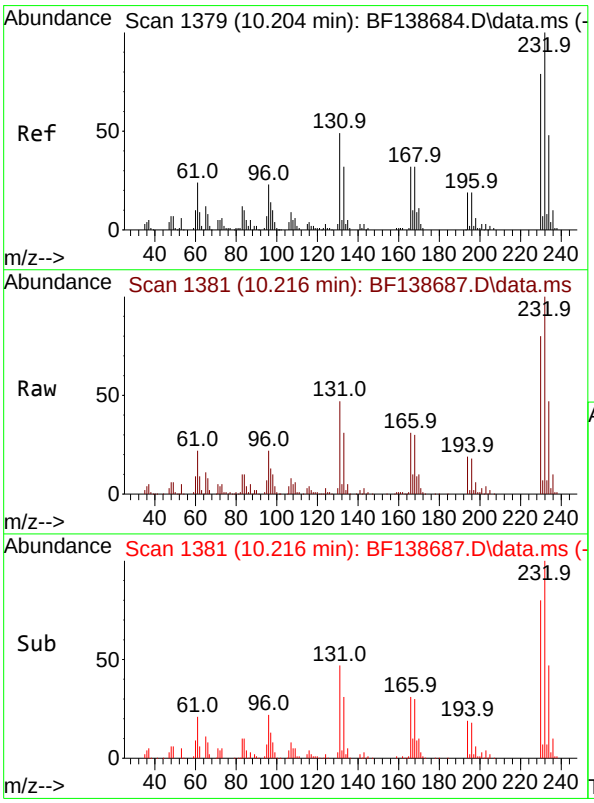
#58
Fluorene
Concen: 72.188 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 768404

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.4	117.6
167	13.6	10.6	16.0

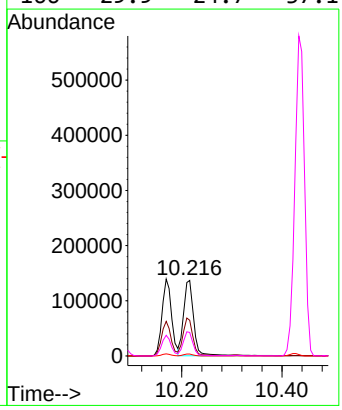


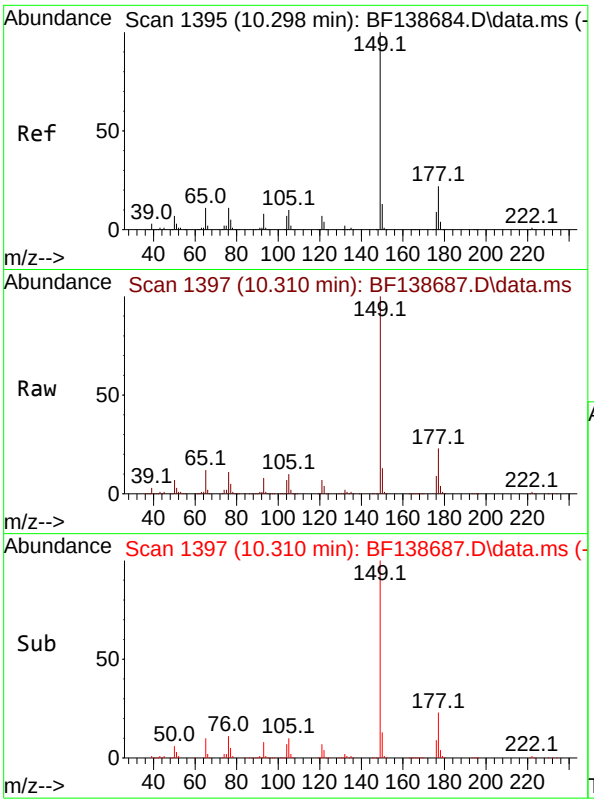


#59
2,3,4,6-Tetrachlorophenol
Concen: 79.721 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:232 Resp: 192425

Ion	Ratio	Lower	Upper
232	100		
131	48.4	37.0	55.4
130	2.5	2.0	3.0
166	29.9	24.7	37.1



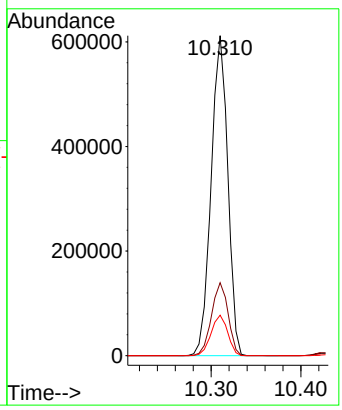


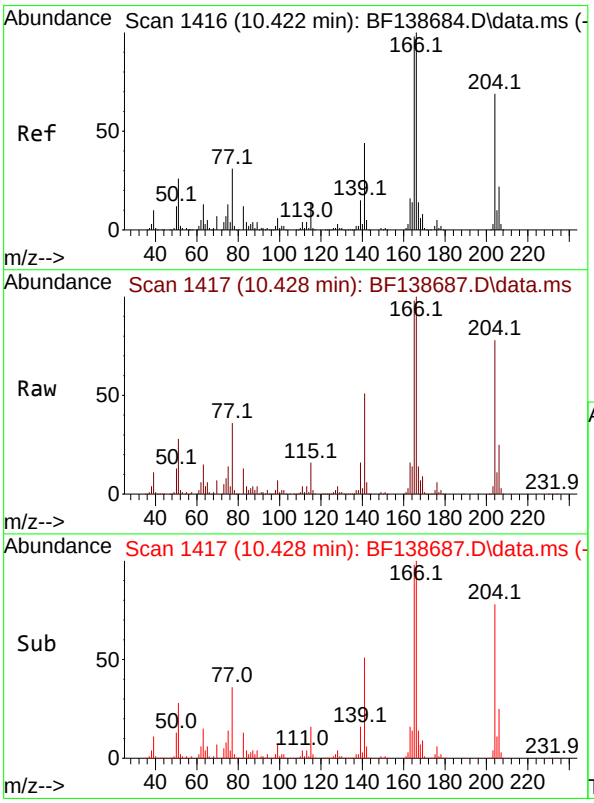
#60
Diethylphthalate
Concen: 76.270 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 788464

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1

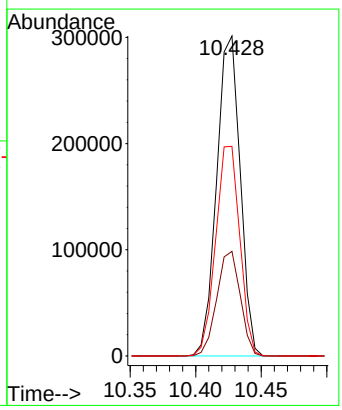


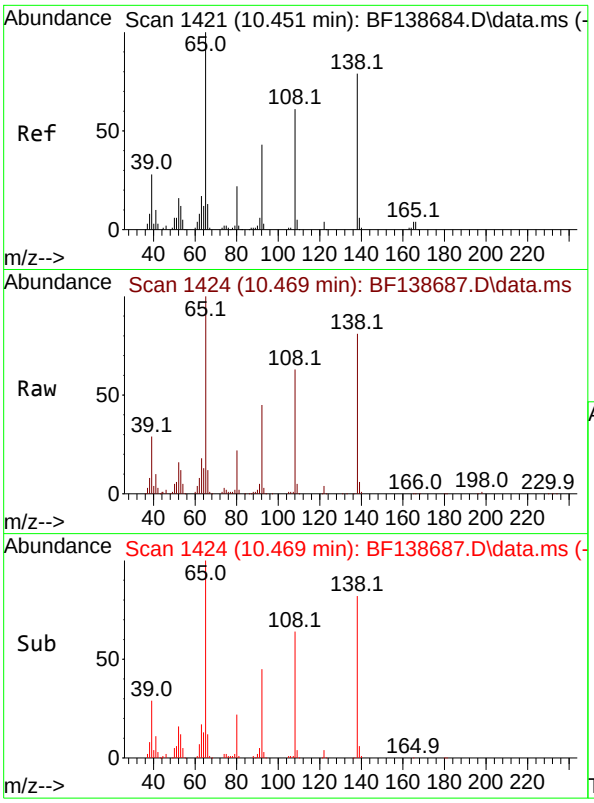


#61
4-Chlorophenyl-phenylether
Concen: 71.847 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:204 Resp: 376130

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.1	39.1
141	65.5	51.4	77.0



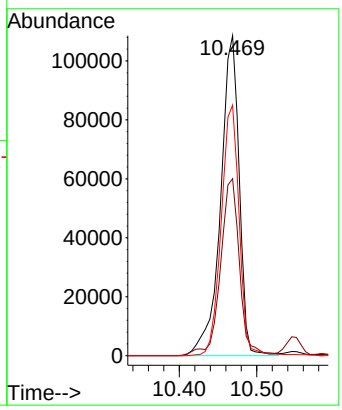


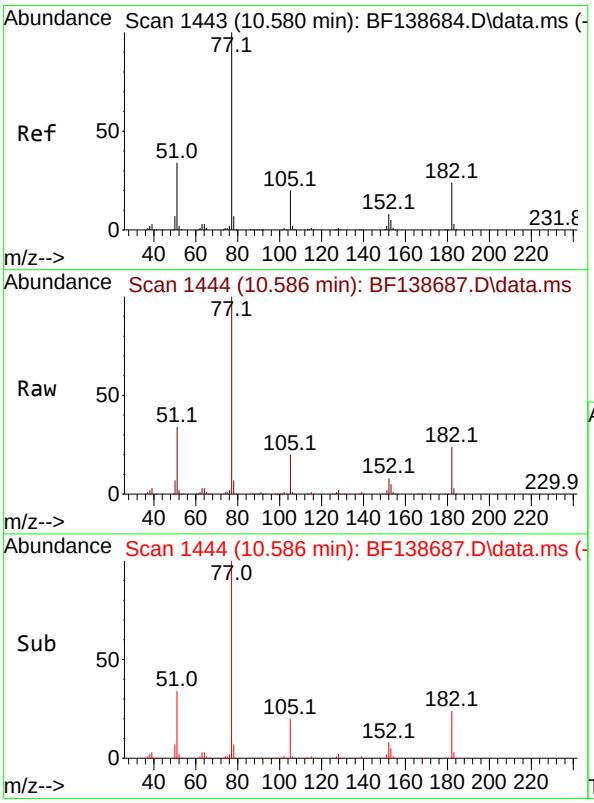
#62
4-Nitroaniline
Concen: 75.227 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 181845

Ion	Ratio	Lower	Upper
138	100		
92	55.3	34.2	74.2
108	78.3	56.2	96.2

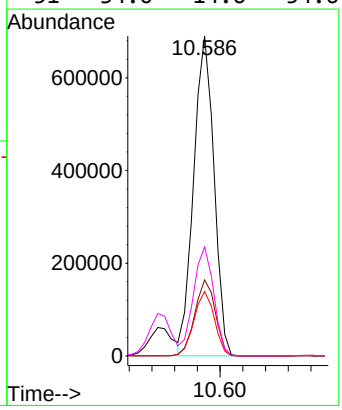


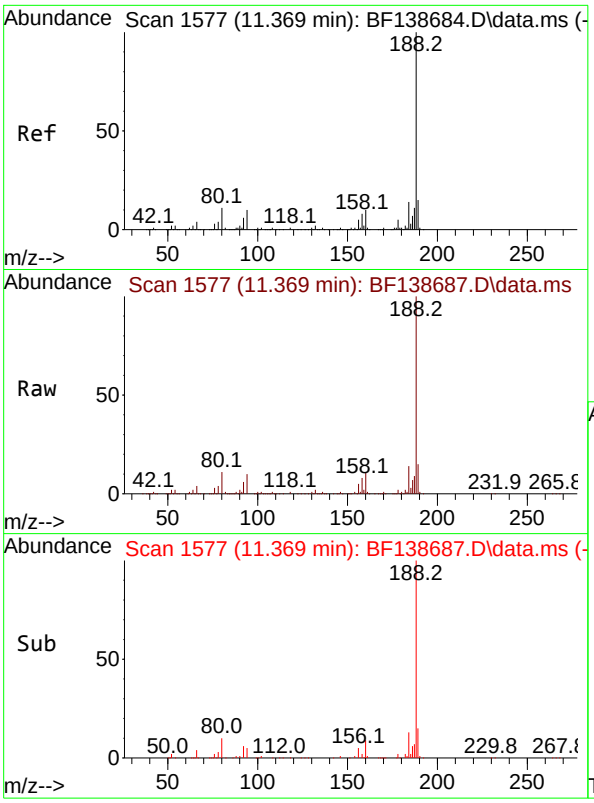


#63
Azobenzene
Concen: 74.806 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion: 77 Resp: 857699

Ion	Ratio	Lower	Upper
77	100		
182	23.8	3.4	43.4
105	20.1	0.2	40.2
51	34.0	14.6	54.6



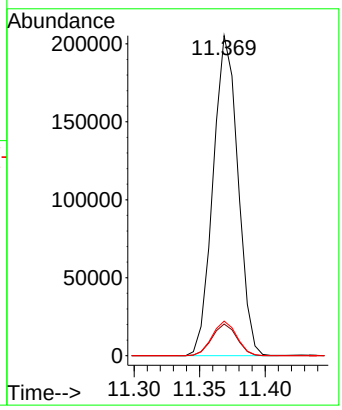


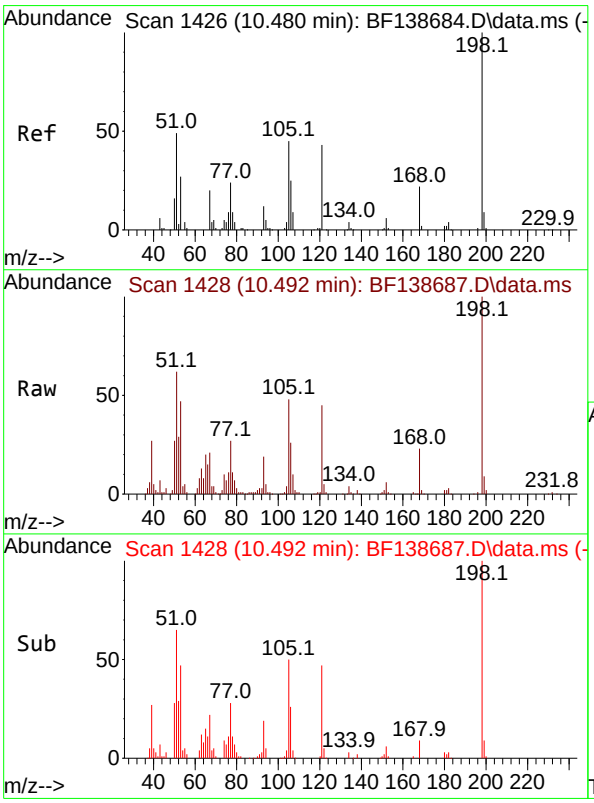
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 270140

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.8	8.6	12.8

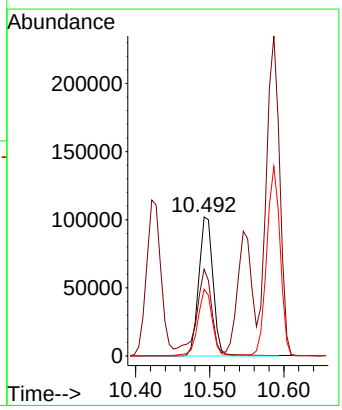


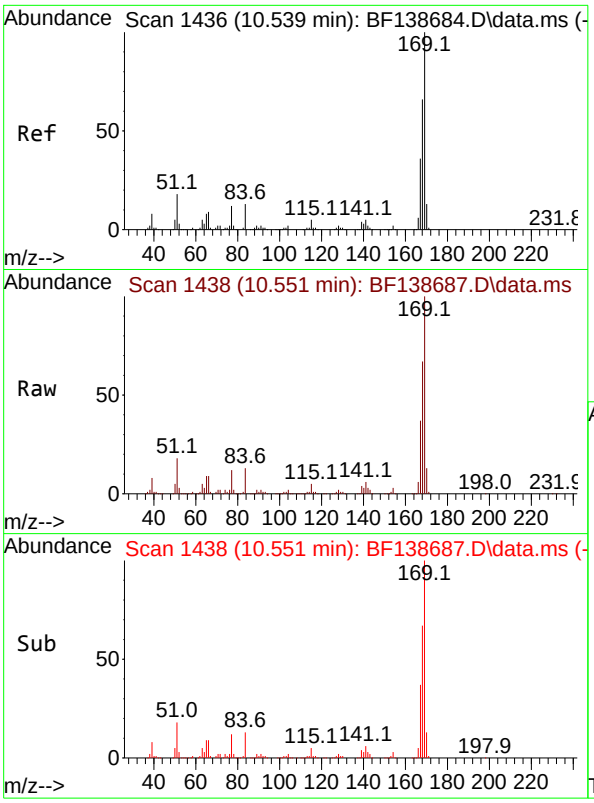


#65
4,6-Dinitro-2-methylphenol
Concen: 83.368 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:198 Resp: 137397

Ion	Ratio	Lower	Upper
198	100		
51	62.4	39.9	79.9
105	48.0	26.1	66.1



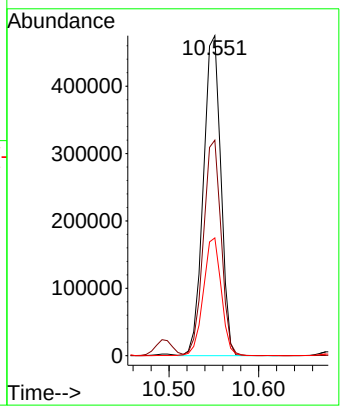


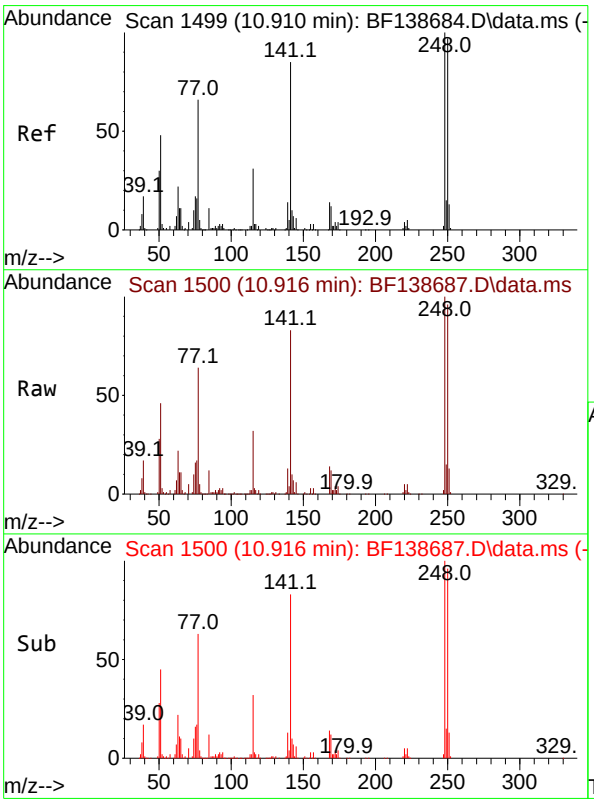
#66
n-Nitrosodiphenylamine
Concen: 76.022 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 641930

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.8	29.0	43.6

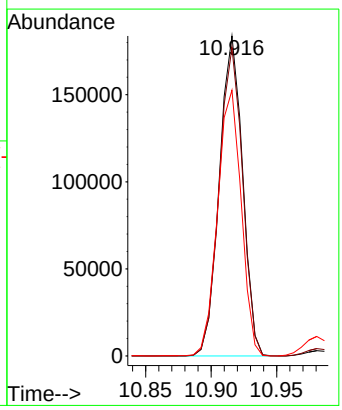


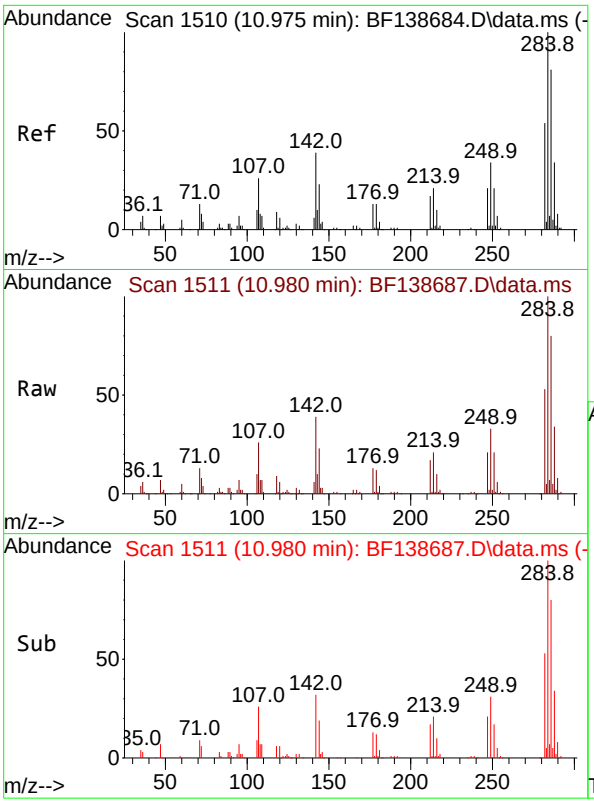


#67
4-Bromophenyl-phenylether
Concen: 77.318 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:248 Resp: 226137

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.7	116.5
141	83.0	68.0	102.0



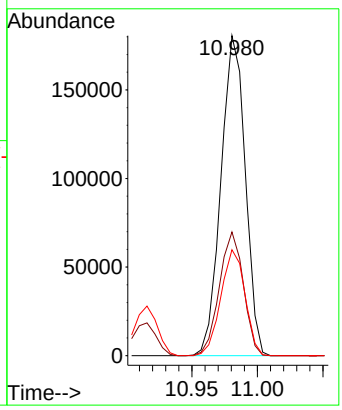


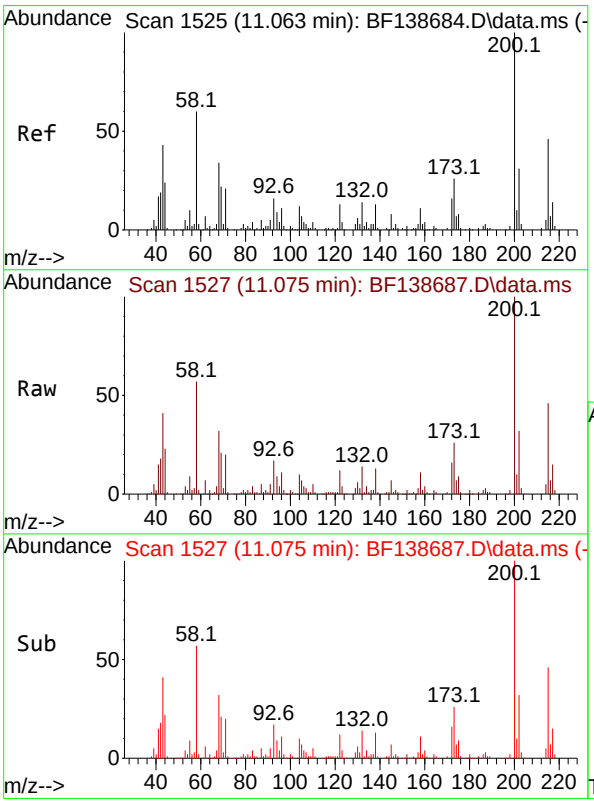
#68
Hexachlorobenzene
Concen: 77.158 ng
RT: 10.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 233005

Ion	Ratio	Lower	Upper
284	100		
142	38.7	31.3	46.9
249	33.1	27.2	40.8

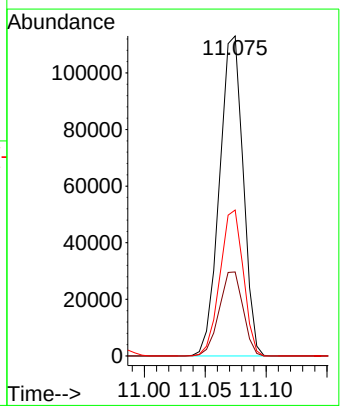


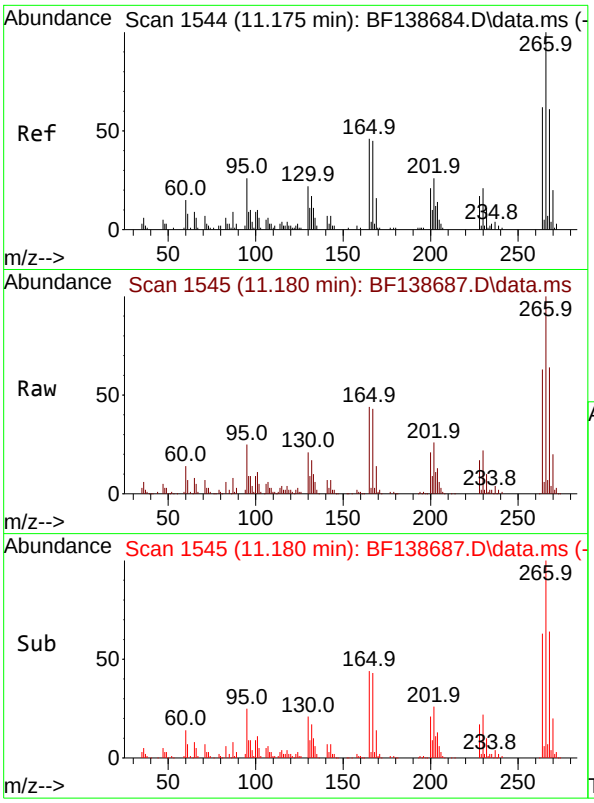


#69
Atrazine
Concen: 70.122 ng
RT: 11.075 min Scan# 1527
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:200 Resp: 152765

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.0	46.0
215	45.6	26.1	66.1



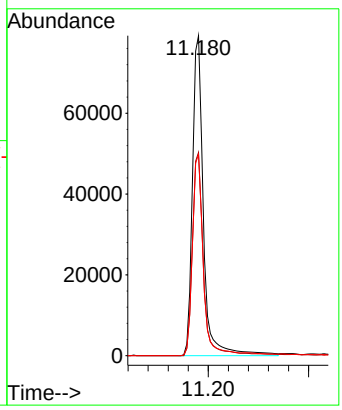


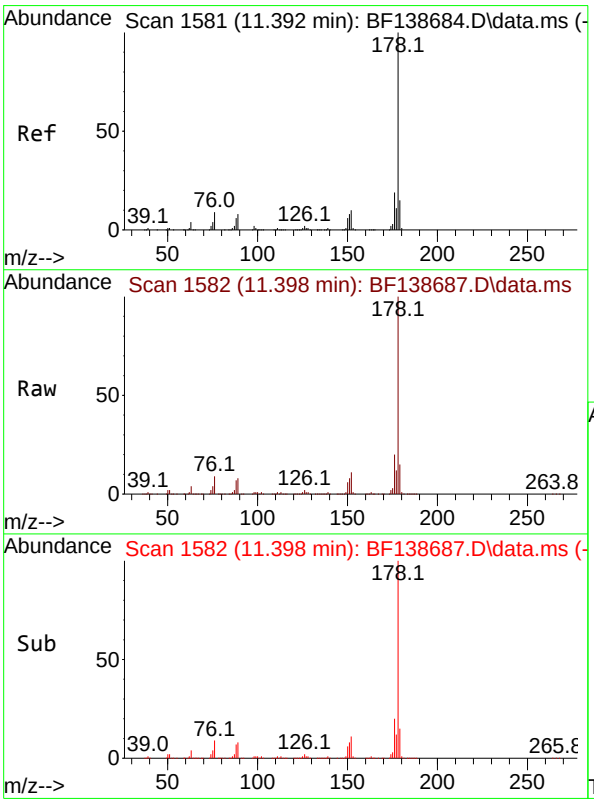
#70
Pentachlorophenol
Concen: 88.455 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 120403

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.2	73.8
264	63.0	49.8	74.6

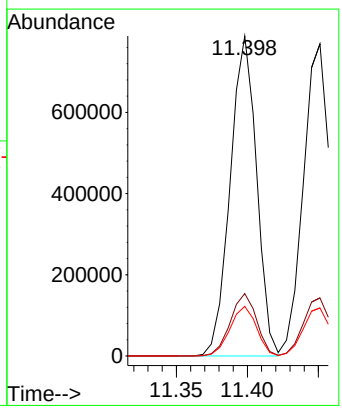


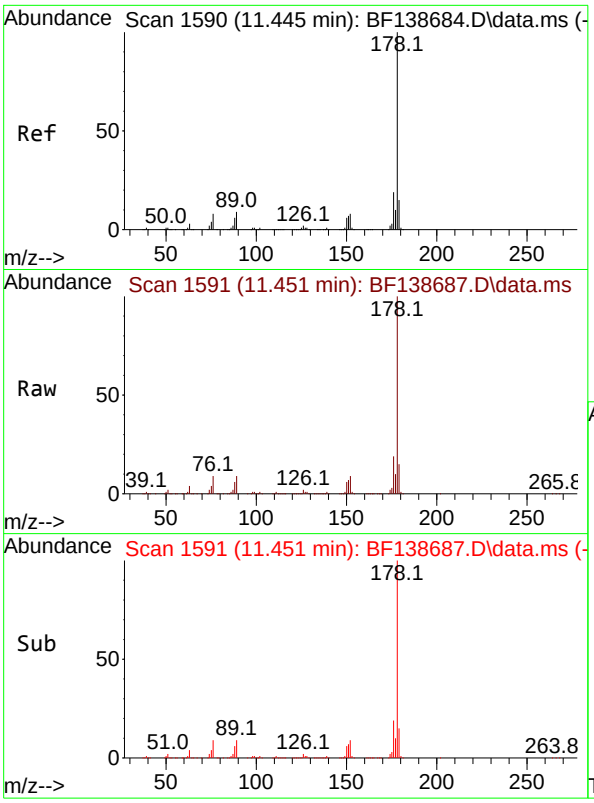


#71
Phenanthrene
Concen: 73.341 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:178 Resp: 1020185

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.5	12.2	18.2



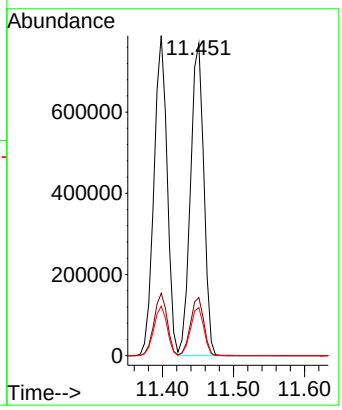


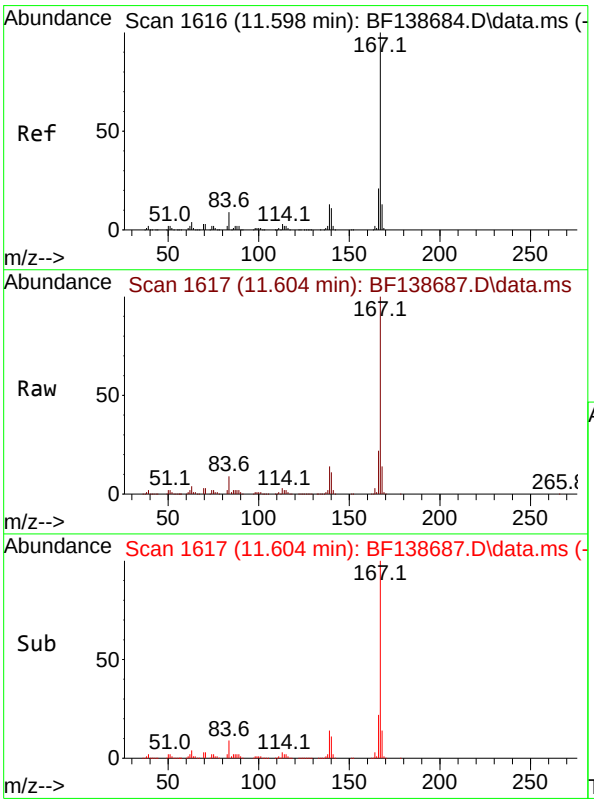
#72
Anthracene
Concen: 73.356 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1005219

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.4	18.6

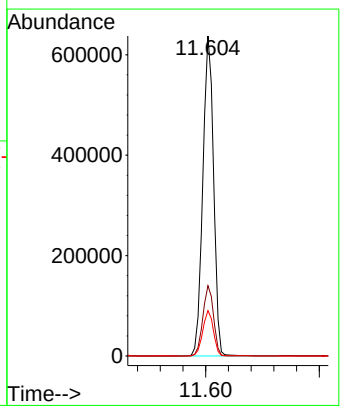


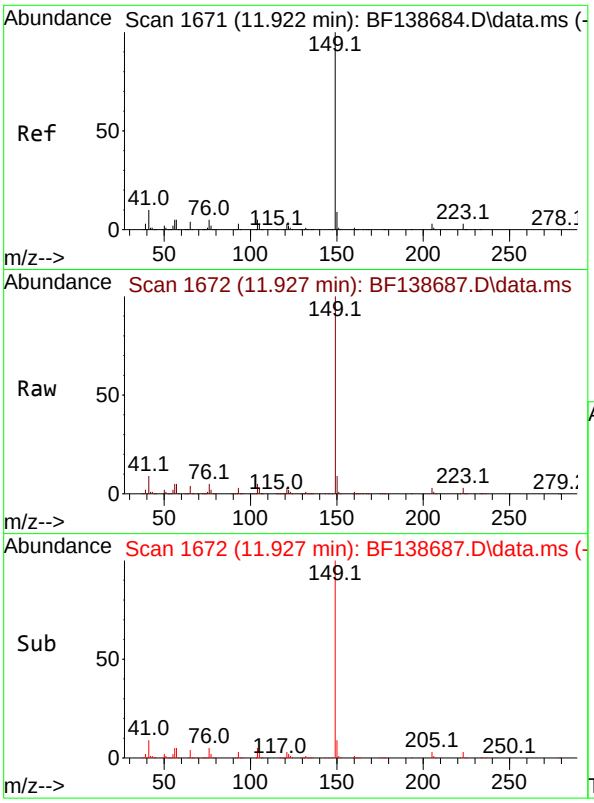


#73
Carbazole
Concen: 70.750 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:167 Resp: 836447

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	14.1	10.6	16.0



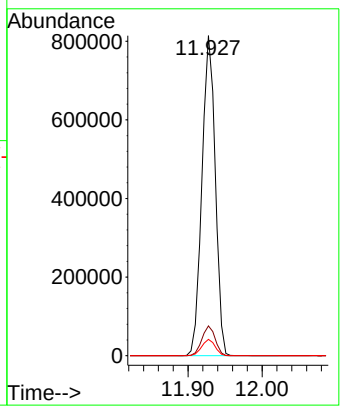


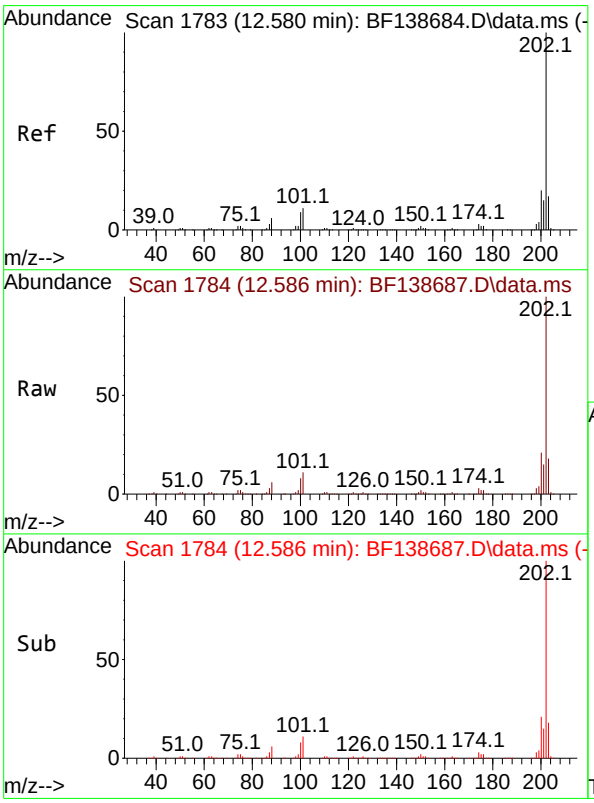
#74
Di-n-butylphthalate
Concen: 76.505 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1016790

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.1	4.1	6.1

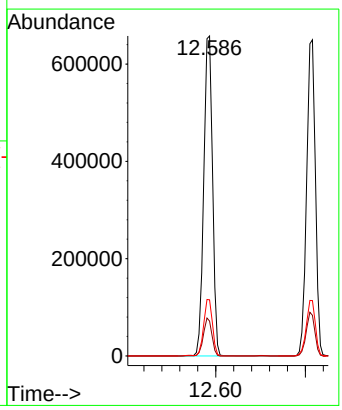


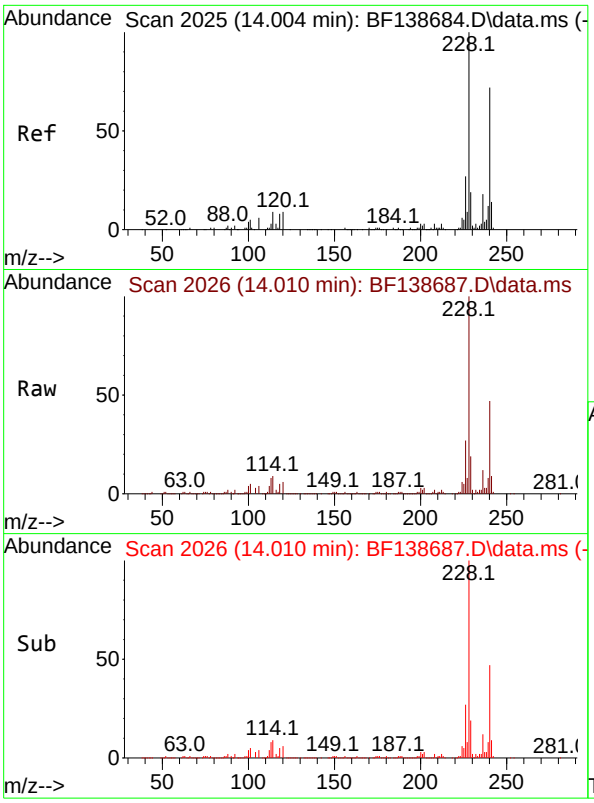


#75
Fluoranthene
Concen: 68.843 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:202 Resp: 893988

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.2
203	17.6	0.0	37.3



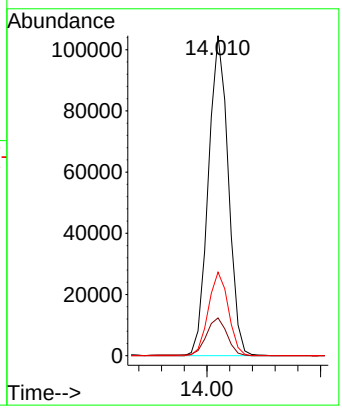


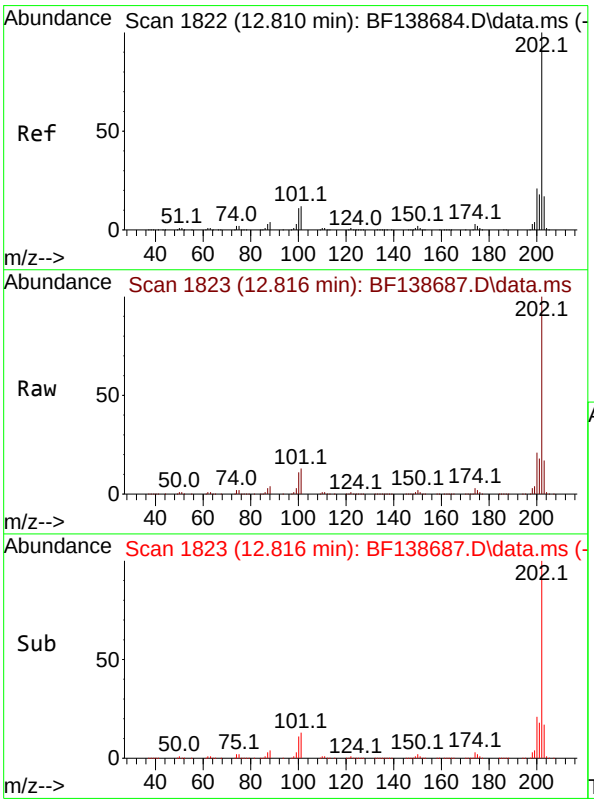
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 127279

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.2	15.4
236	26.1	19.8	29.8

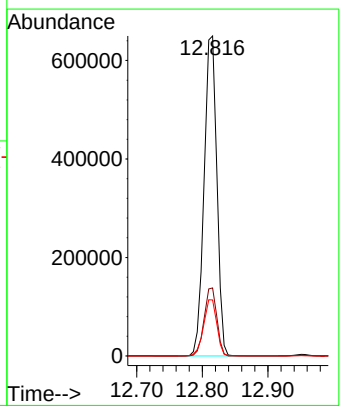


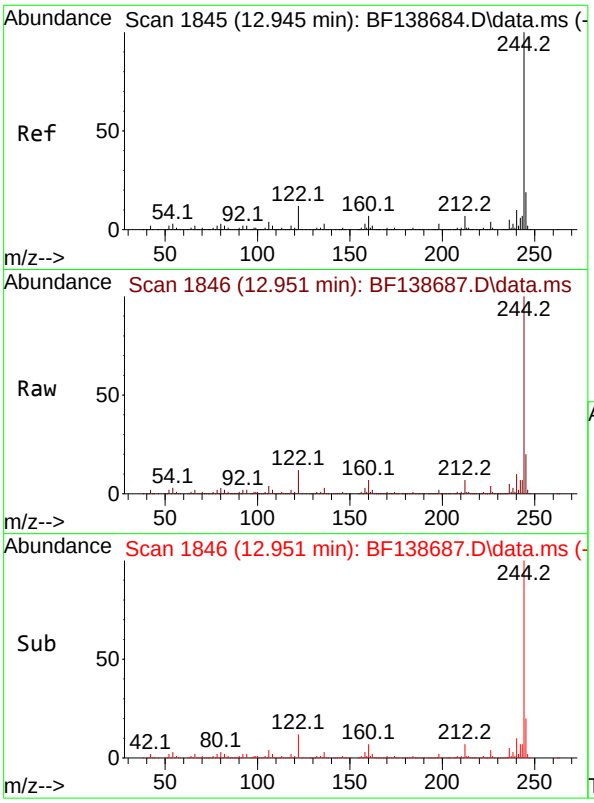


#78
Pyrene
Concen: 73.618 ng
RT: 12.816 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:202 Resp: 882216

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	13.8	20.6



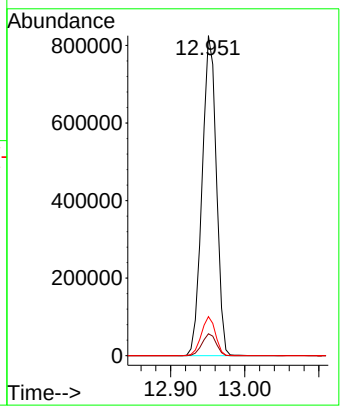


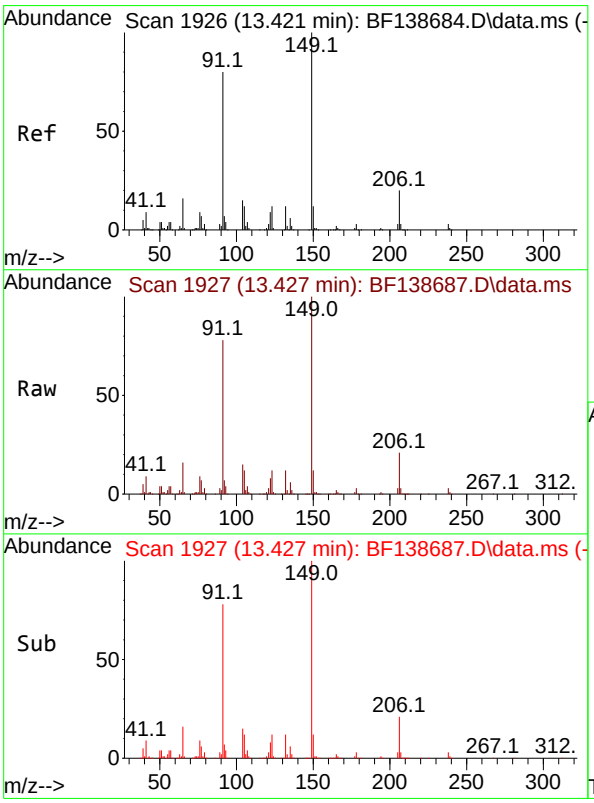
#79
Terphenyl-d14
Concen: 145.087 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1102959

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	12.2	9.6	14.4

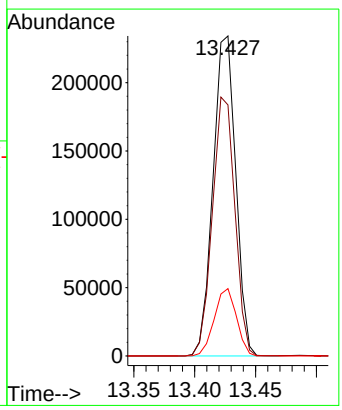


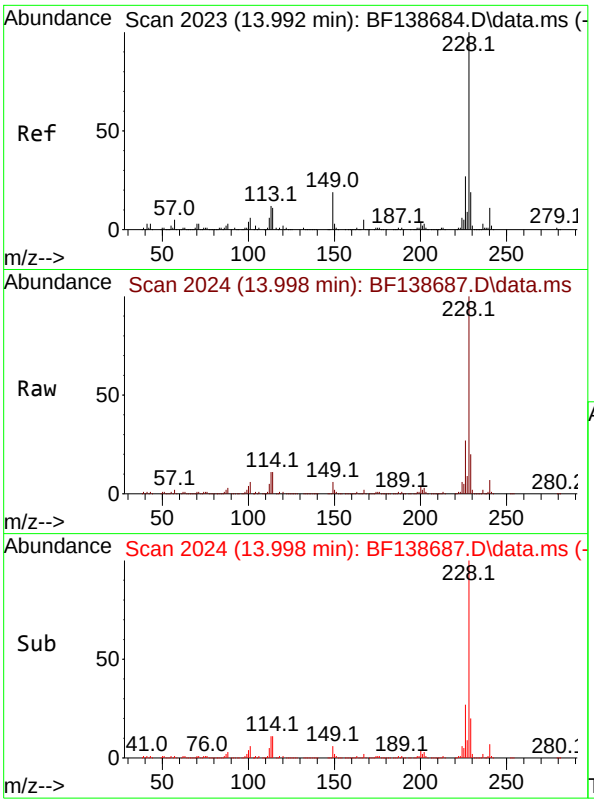


#80
Butylbenzylphthalate
Concen: 79.340 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:149 Resp: 304470

Ion	Ratio	Lower	Upper
149	100		
91	78.4	63.7	95.5
206	21.1	16.2	24.2



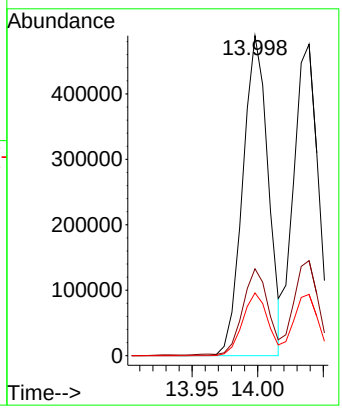


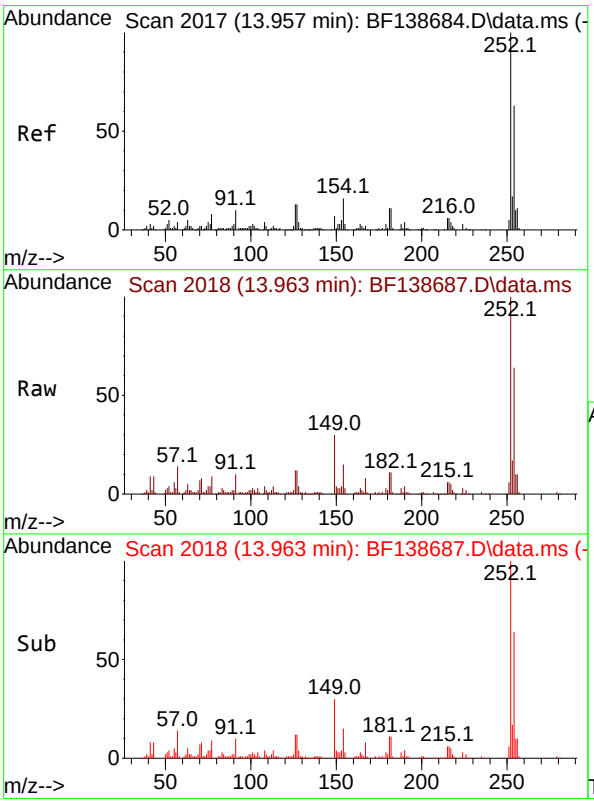
#81
Benzo(a)anthracene
Concen: 75.198 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 659091

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.6	15.4	23.0

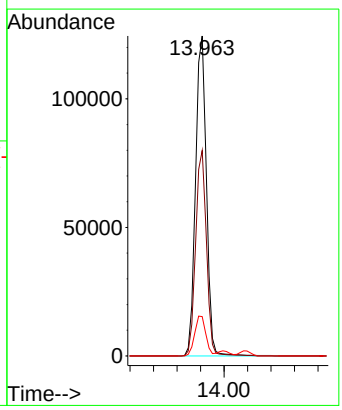


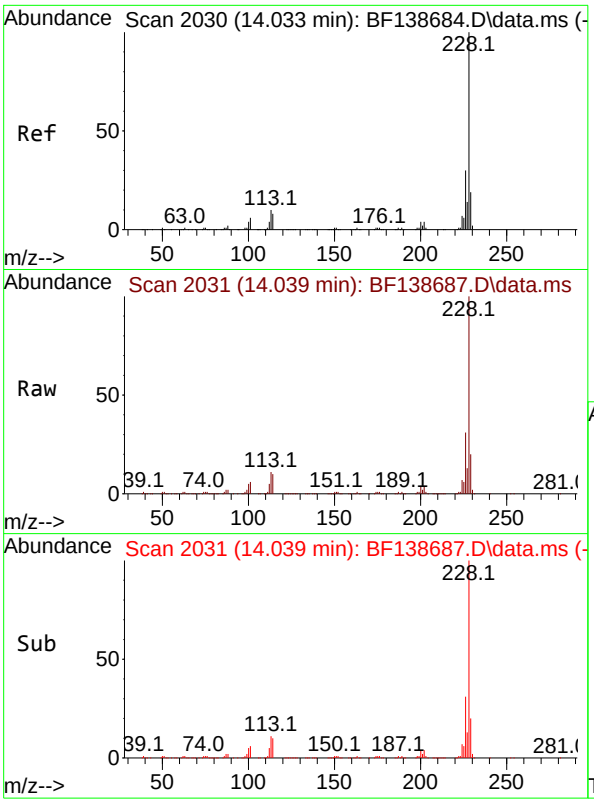


#82
3,3'-Dichlorobenzidine
Concen: 71.192 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 159678

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.8	76.2
126	12.3	10.2	15.2



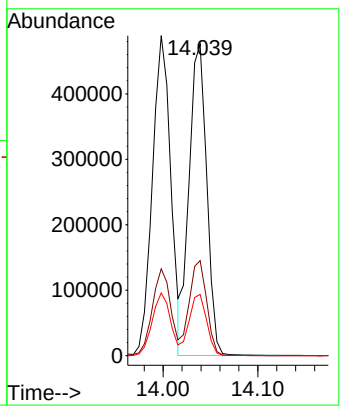


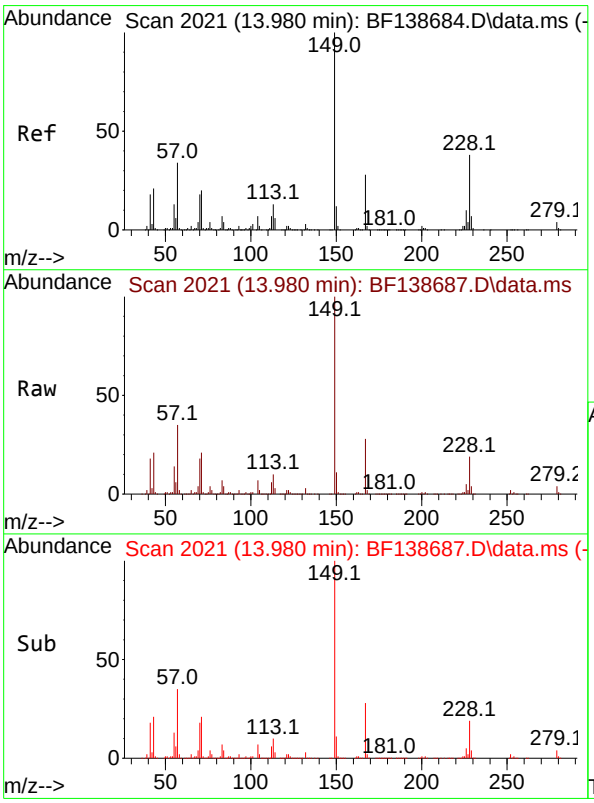
#83
Chrysene
Concen: 78.129 ng
RT: 14.039 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 617804

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.7	15.0	22.6

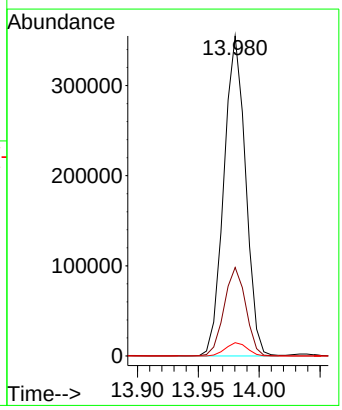


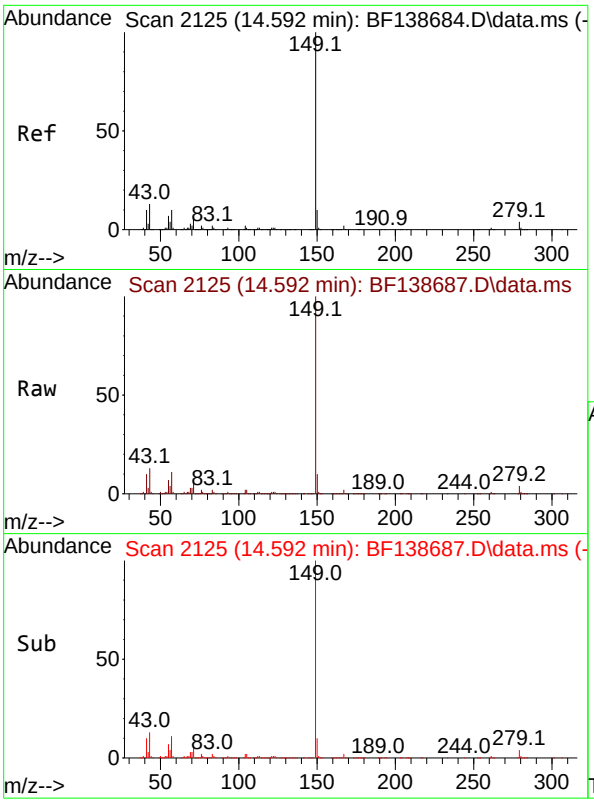


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.423 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:149 Resp: 440693

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.1	3.4	5.0



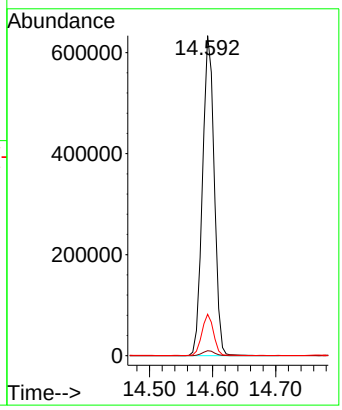


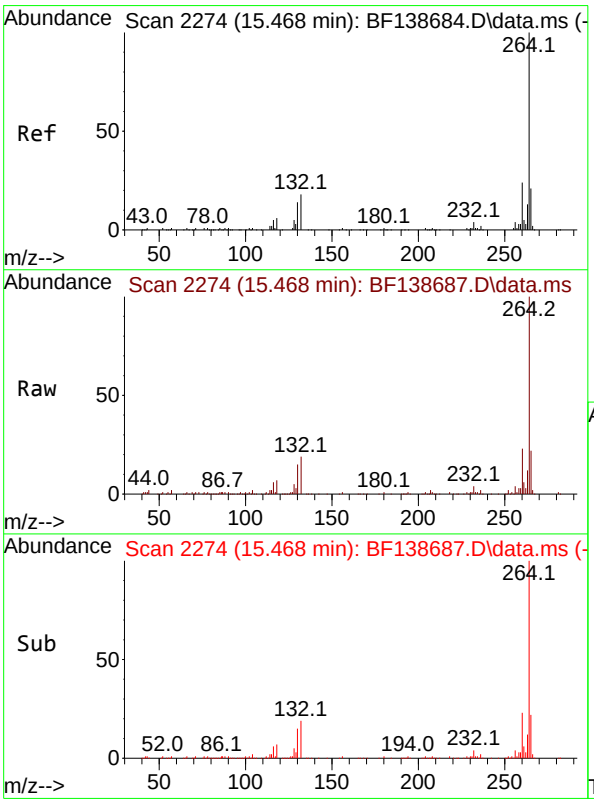
#85
Di-n-octyl phthalate
Concen: 78.597 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 817161

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.8	10.4	15.6

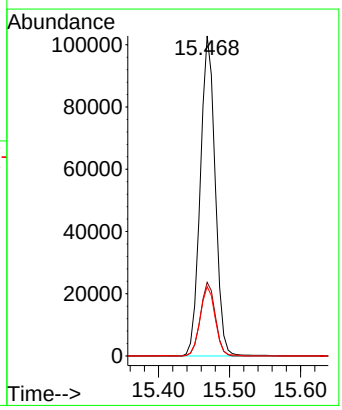


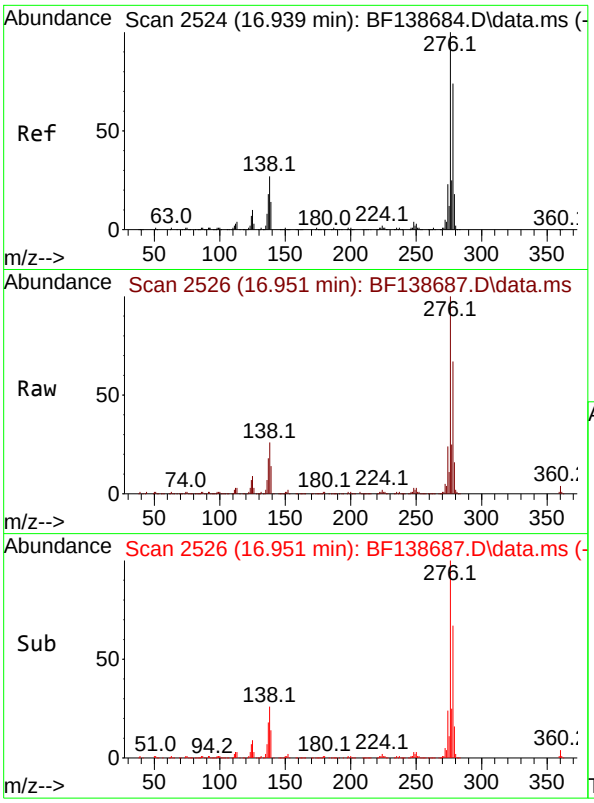


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:264 Resp: 150274

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.7	17.0	25.6



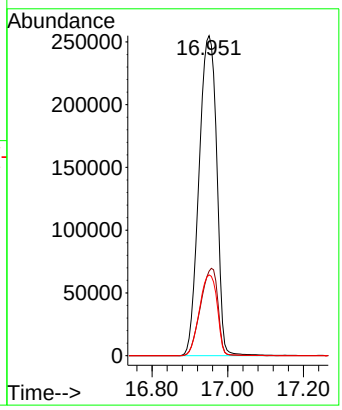


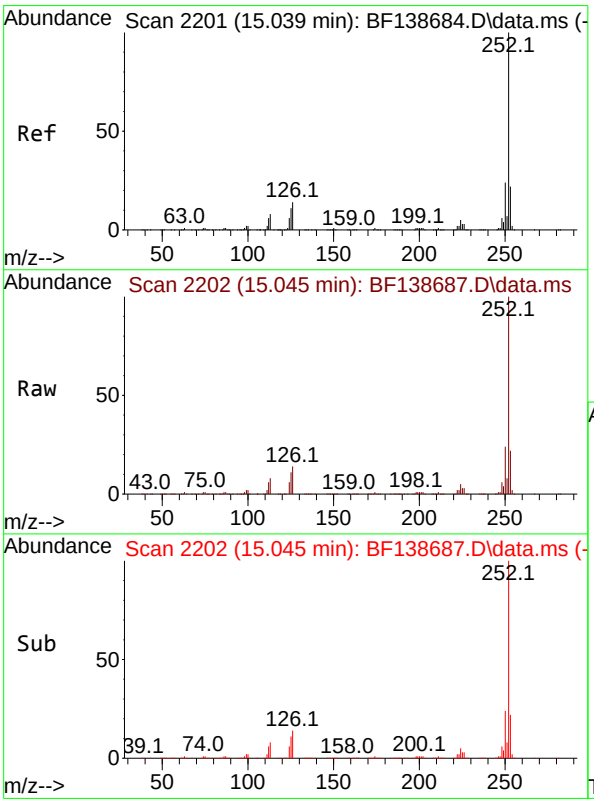
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.833 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 827423

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.8
277	25.3	20.6	30.8

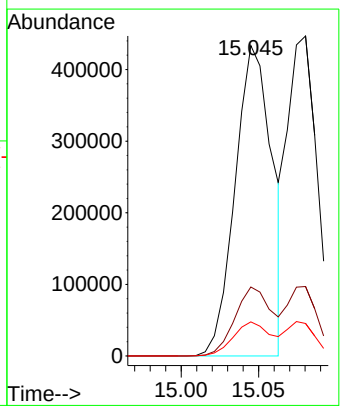


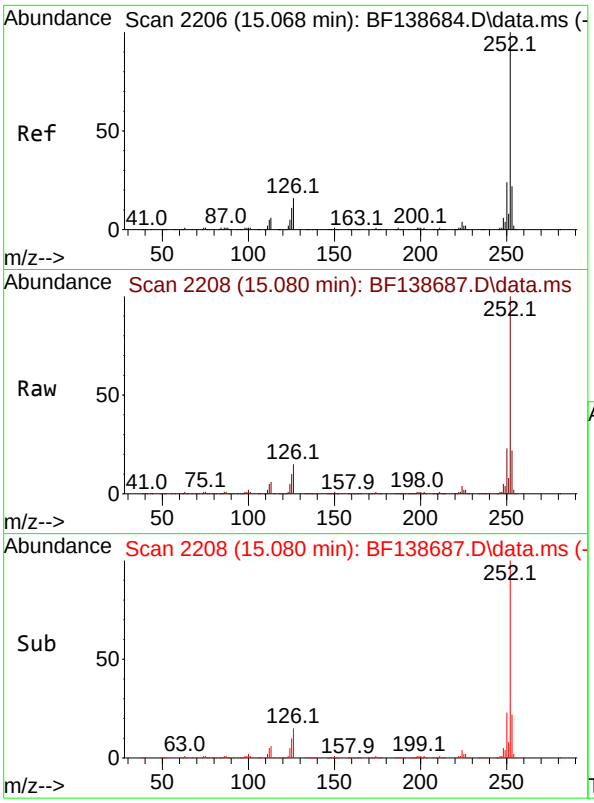


#88
Benzo(b)fluoranthene
Concen: 77.422 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 721224

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.0	8.9	13.3



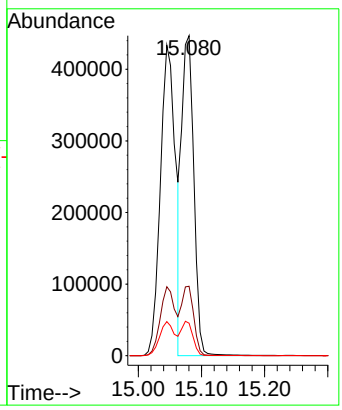


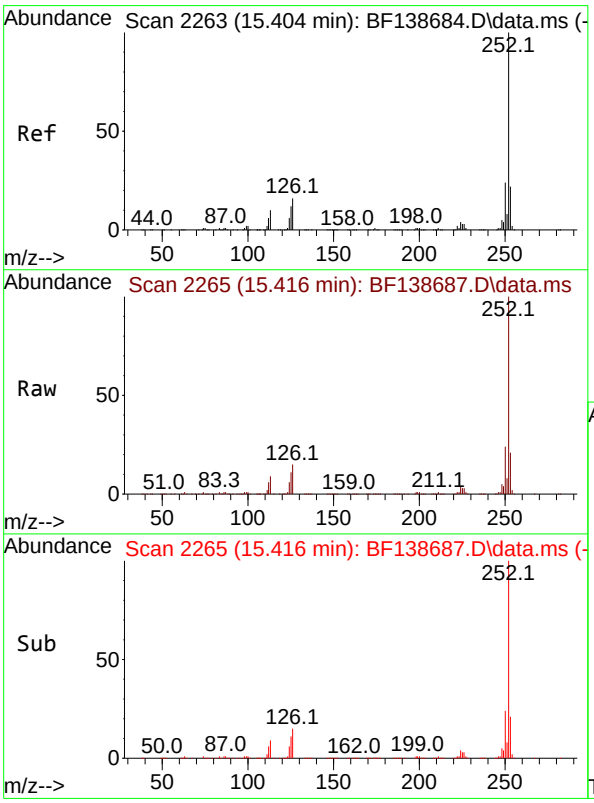
#89
Benzo(k)fluoranthene
Concen: 73.959 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 596517

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.1	8.6	13.0

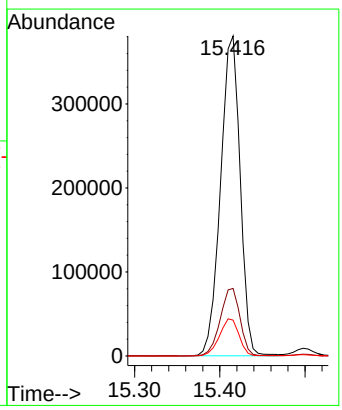


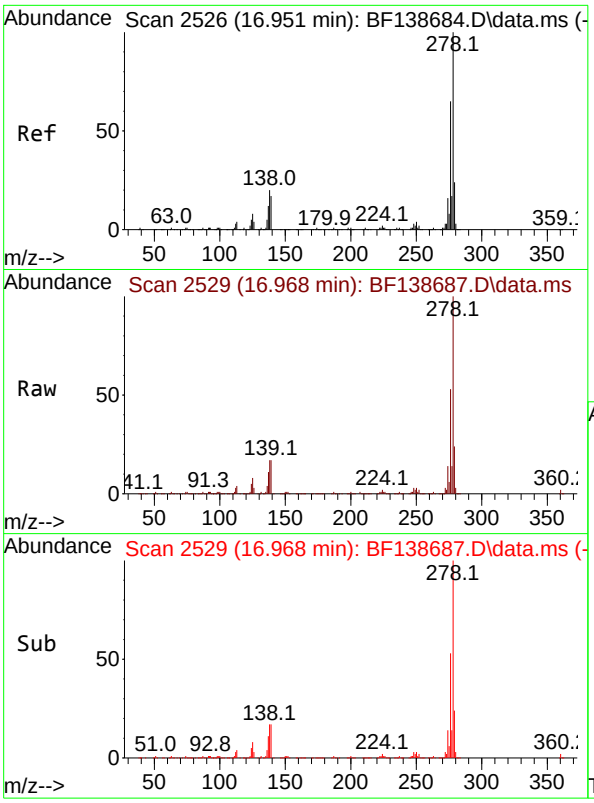


#90
Benzo(a)pyrene
Concen: 77.779 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:252 Resp: 609452

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.3	25.9
125	11.2	9.5	14.3



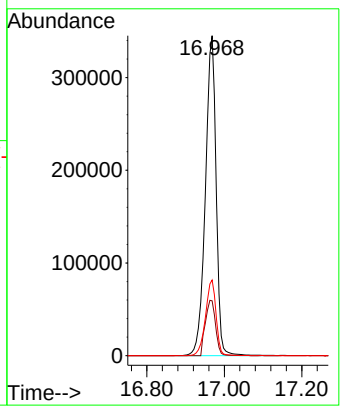


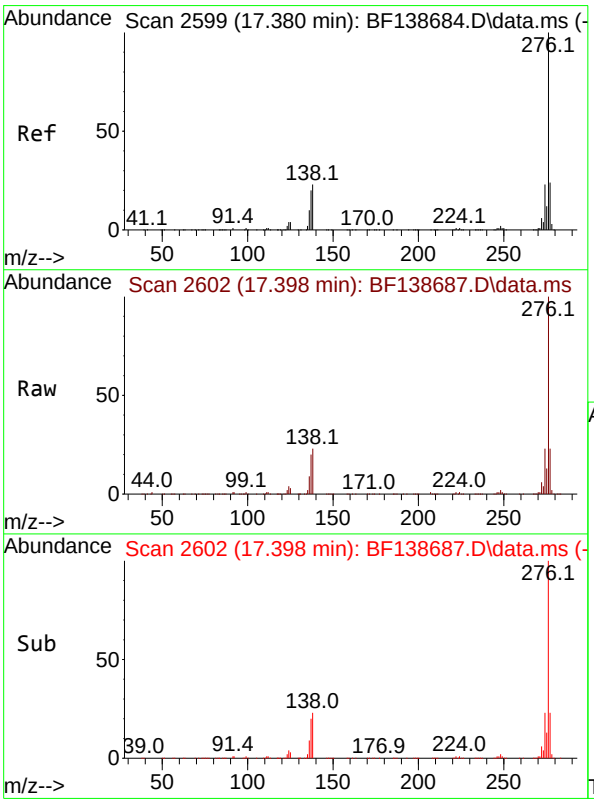
#91
Dibenzo(a,h)anthracene
Concen: 75.184 ng
RT: 16.968 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 664634

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.0	21.0
279	23.7	19.0	28.4

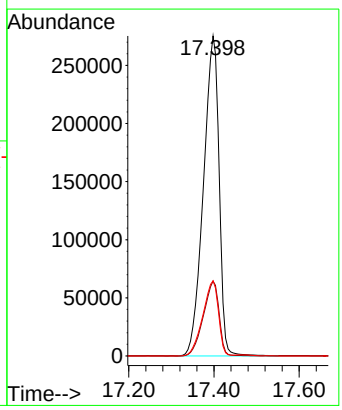




#92
Benzo(g,h,i)perylene
Concen: 76.589 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:276 Resp: 702583

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	23.5	18.5	27.7



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	81804	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	316107	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	164062	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	252048	20.000	ng	0.00
76) Chrysene-d12	14.004	240	134464	20.000	ng	0.00
86) Perylene-d12	15.468	264	171097	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	414257	78.171	ng	0.00
7) Phenol-d6	6.487	99	551968	77.578	ng	0.00
23) Nitrobenzene-d5	7.410	82	519984	80.424	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	104018	77.401	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	857165	78.500	ng	0.00
79) Terphenyl-d14	12.951	244	589459	73.396	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	92359	39.808	ng	99
3) Pyridine	3.340	79	227413	40.463	ng	97
4) n-Nitrosodimethylamine	3.299	42	131855	39.391	ng	100
6) Aniline	6.510	93	255062	40.197	ng	90
8) 2-Chlorophenol	6.634	128	216863	38.895	ng	98
9) Benzaldehyde	6.398	77	161636	37.898	ng	99
10) Phenol	6.498	94	286738	38.277	ng	97
11) bis(2-Chloroethyl)ether	6.587	93	221556	38.433	ng	100
12) 1,3-Dichlorobenzene	6.787	146	241485	38.692	ng	99
13) 1,4-Dichlorobenzene	6.863	146	243549	38.668	ng	98
14) 1,2-Dichlorobenzene	7.016	146	226577	38.492	ng	99
15) Benzyl Alcohol	6.992	79	200599	39.118	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	378258	38.127	ng	99
17) 2-Methylphenol	7.104	107	177941	38.649	ng	98
18) Hexachloroethane	7.357	117	93375	39.384	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	160901	37.442	ng	98
20) 3+4-Methylphenols	7.257	107	221138	37.436	ng	97
22) Acetophenone	7.257	105	302593	39.095	ng	99
24) Nitrobenzene	7.434	77	262386	39.882	ng	97
25) Isophorone	7.669	82	433596	39.275	ng	99
26) 2-Nitrophenol	7.745	139	115113	40.668	ng	99
27) 2,4-Dimethylphenol	7.787	122	136249	40.231	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	265943	39.557	ng	99
29) 2,4-Dichlorophenol	7.992	162	176541	40.567	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	199132	39.651	ng	99
31) Naphthalene	8.151	128	652780	39.232	ng	100
32) Benzoic acid	7.916	122	110429	41.481	ng	98
33) 4-Chloroaniline	8.204	127	223787	40.067	ng	99
34) Hexachlorobutadiene	8.263	225	124022	40.772	ng	99
35) Caprolactam	8.575	113	49818	38.365	ng	99
36) 4-Chloro-3-methylphenol	8.686	107	194782	39.164	ng	99
37) 2-Methylnaphthalene	8.839	142	408106	38.836	ng	100
38) 1-Methylnaphthalene	8.939	142	398155	38.666	ng	98
40) 1,2,4,5-Tetrachloroben...	9.004	216	184821	40.554	ng	99
41) Hexachlorocyclopentadiene	8.986	237	46660	42.278	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	112217	40.384	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	124581	41.011	ng	99
46) 1,1'-Biphenyl	9.304	154	515966	40.156	ng	99
47) 2-Chloronaphthalene	9.328	162	381923	39.966	ng	99
48) 2-Nitroaniline	9.428	65	127985	39.505	ng	99
49) Acenaphthylene	9.745	152	535427	39.504	ng	99
50) Dimethylphthalate	9.604	163	403438	38.458	ng	99
51) 2,6-Dinitrotoluene	9.669	165	94451	39.895	ng	98
52) Acenaphthene	9.916	154	359484	39.456	ng	100
53) 3-Nitroaniline	9.839	138	93752	38.306	ng	99
54) 2,4-Dinitrophenol	9.951	184	42619	39.106	ng	97
55) Dibenzofuran	10.086	168	501545	38.997	ng	100
56) 4-Nitrophenol	10.004	139	57893	39.336	ng	98
57) 2,4-Dinitrotoluene	10.075	165	116813	38.673	ng	97
58) Fluorene	10.428	166	395954	38.661	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.210	232	89831	38.680	ng	97
60) Diethylphthalate	10.298	149	382418	38.447	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	196905	39.091	ng	99
62) 4-Nitroaniline	10.451	138	89602	38.525	ng	99
63) Azobenzene	10.580	77	426075	38.622	ng	99
65) 4,6-Dinitro-2-methylph...	10.480	198	63542	41.323	ng	97
66) n-Nitrosodiphenylamine	10.539	169	319562	40.561	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	110219	40.390	ng	99
68) Hexachlorobenzene	10.975	284	113117	40.147	ng	99
69) Atrazine	11.063	200	80604	39.654	ng	98
70) Pentachlorophenol	11.175	266	51801	40.788	ng	96
71) Phenanthrene	11.392	178	506626	39.036	ng	100
72) Anthracene	11.445	178	496297	38.817	ng	99
73) Carbazole	11.598	167	425187	38.546	ng	100
74) Di-n-butylphthalate	11.927	149	496140	40.010	ng	100
75) Fluoranthene	12.580	202	463445	38.250	ng	100
77) Benzidine	12.704	184	132396	41.166	ng	98
78) Pyrene	12.810	202	467254	36.907	ng	100
80) Butylbenzylphthalate	13.421	149	171996	42.425	ng	99
81) Benzo(a)anthracene	13.992	228	379585	40.994	ng	99
82) 3,3'-Dichlorobenzidine	13.957	252	104638	44.160	ng	100
83) Chrysene	14.033	228	328373	39.308	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	266678	44.921	ng	99
85) Di-n-octyl phthalate	14.592	149	485296	44.183	ng	100
87) Indeno(1,2,3-cd)pyrene	16.939	276	483878	39.463	ng	99
88) Benzo(b)fluoranthene	15.039	252	404868	38.172	ng	99
89) Benzo(k)fluoranthene	15.074	252	352910	38.430	ng	99
90) Benzo(a)pyrene	15.410	252	356148	39.920	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	393430	39.089	ng	99
92) Benzo(g,h,i)perylene	17.386	276	412115	39.457	ng	98

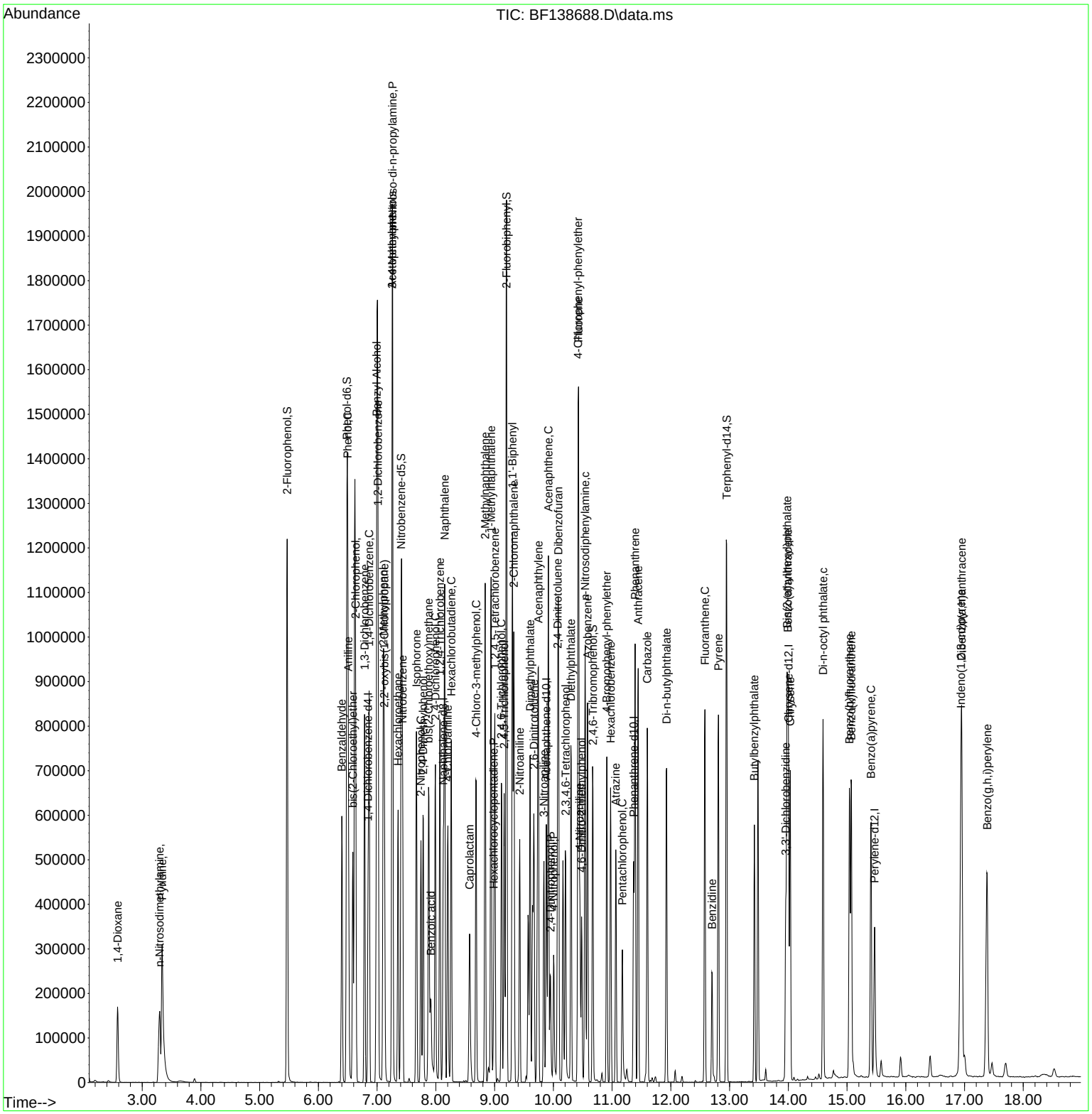
(#) = qualifier out of range (m) = manual integration (+) = signals summed

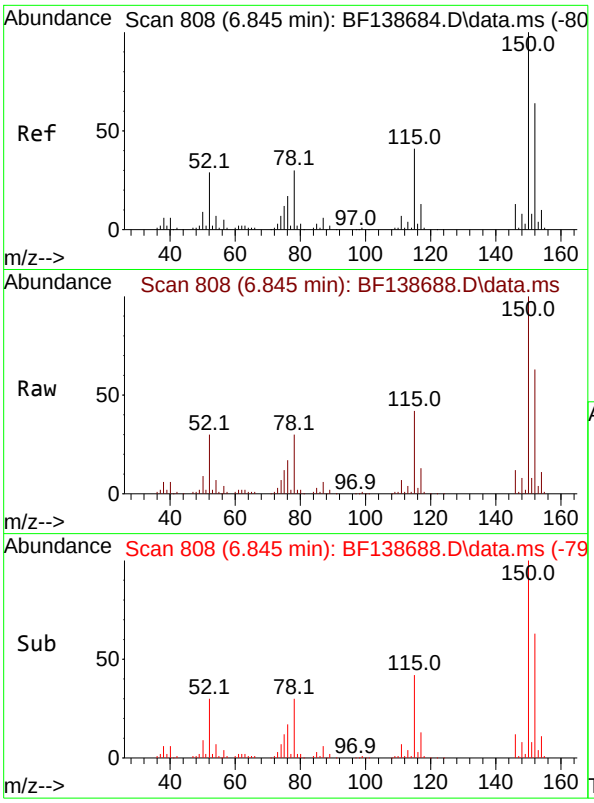
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



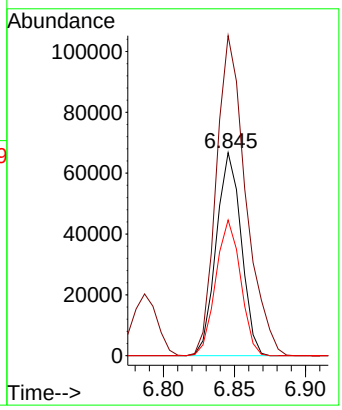


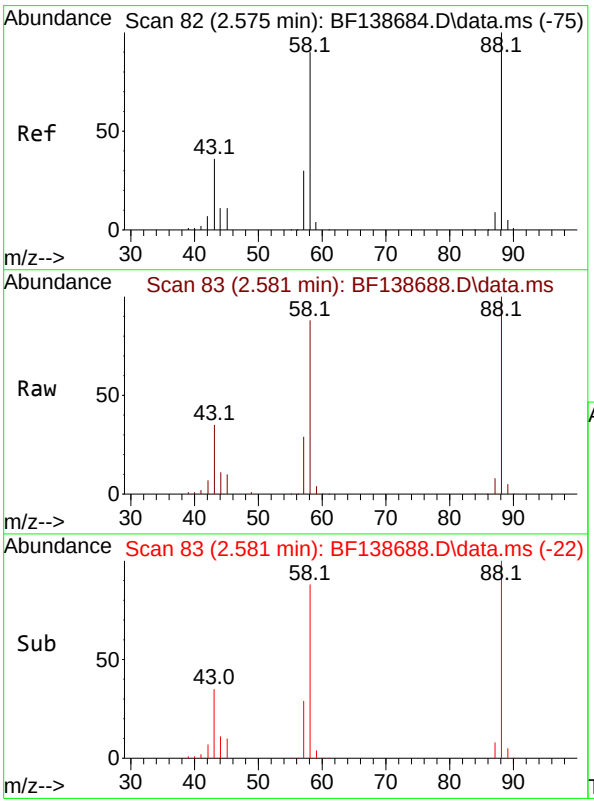
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:152 Resp: 81804

Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.0	189.0
115	66.8	51.7	77.5

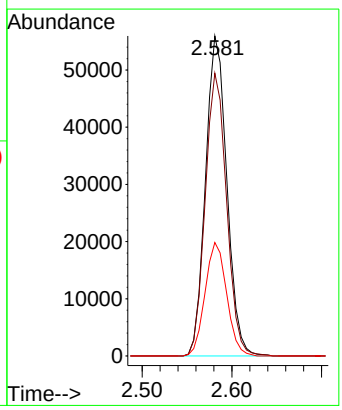


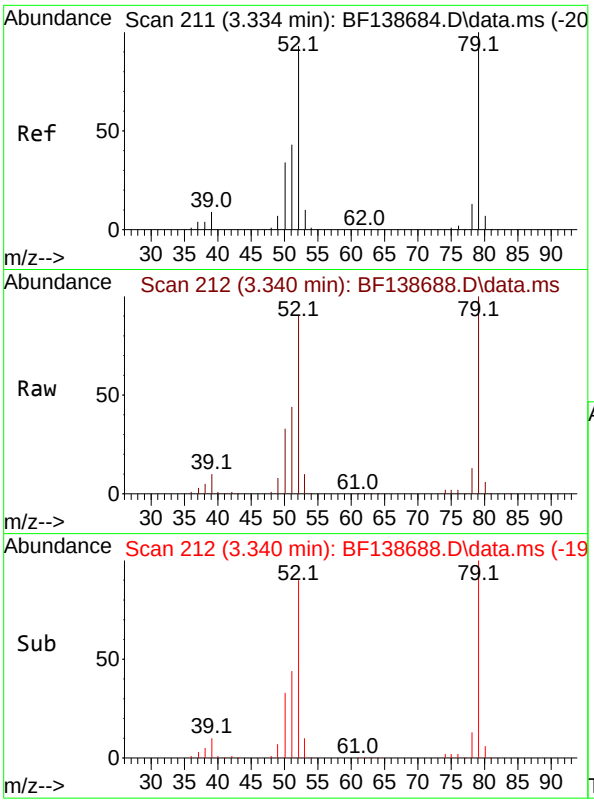


#2
1,4-Dioxane
Concen: 39.808 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 88 Resp: 92359

Ion	Ratio	Lower	Upper
88	100		
58	88.5	71.6	107.4
43	35.9	28.7	43.1



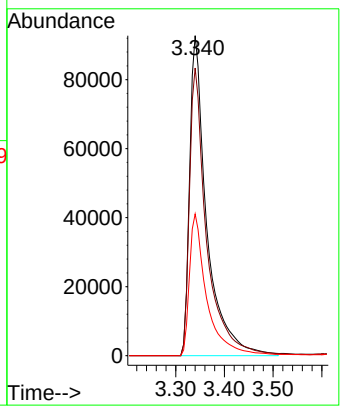


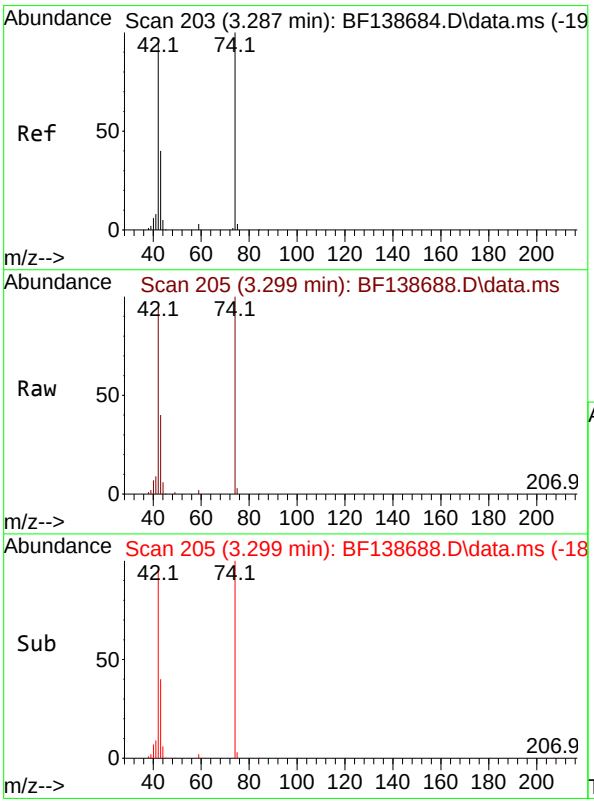
#3
Pyridine
Concen: 40.463 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 79 Resp: 227413

Ion	Ratio	Lower	Upper
79	100		
52	89.9	74.7	112.1
51	44.3	34.6	51.8

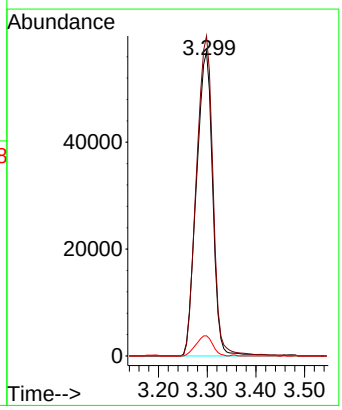


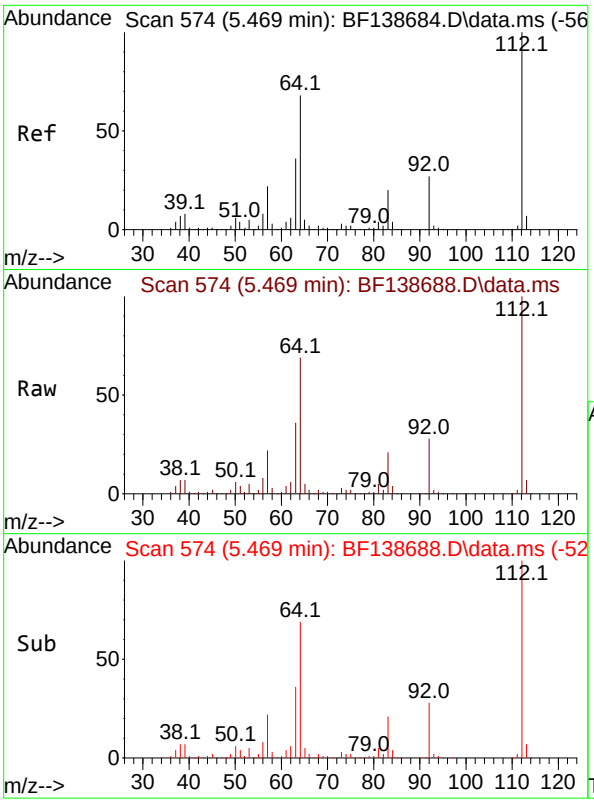


#4
n-Nitrosodimethylamine
Concen: 39.391 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 42 Resp: 131855

Ion	Ratio	Lower	Upper
42	100		
74	105.1	84.2	126.4
44	6.6	4.9	7.3



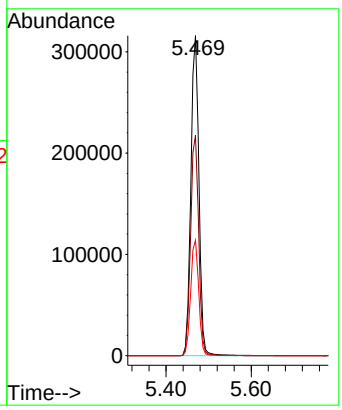


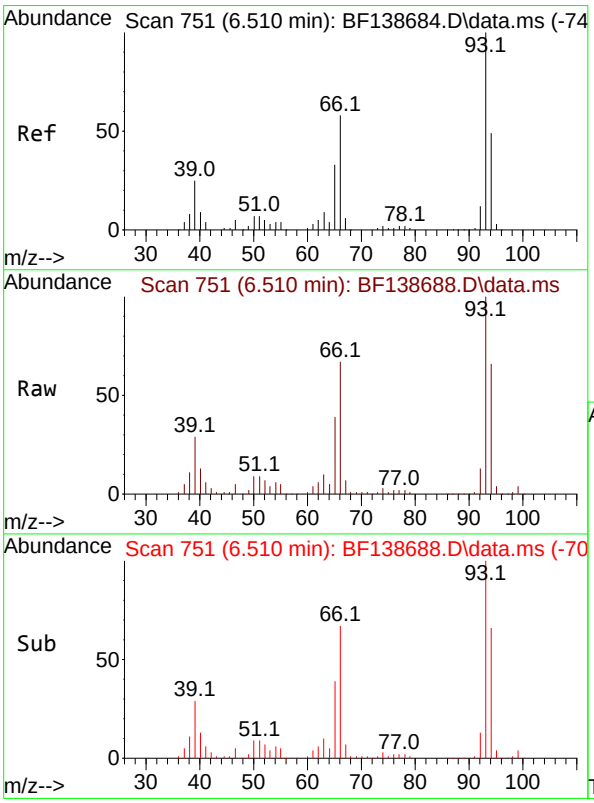
#5
2-Fluorophenol
Concen: 78.171 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:112 Resp: 414257

Ion	Ratio	Lower	Upper
112	100		
64	68.9	54.2	81.4
63	36.1	28.7	43.1

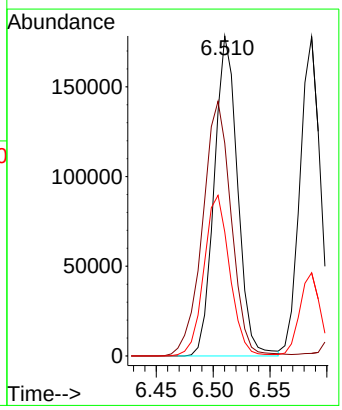


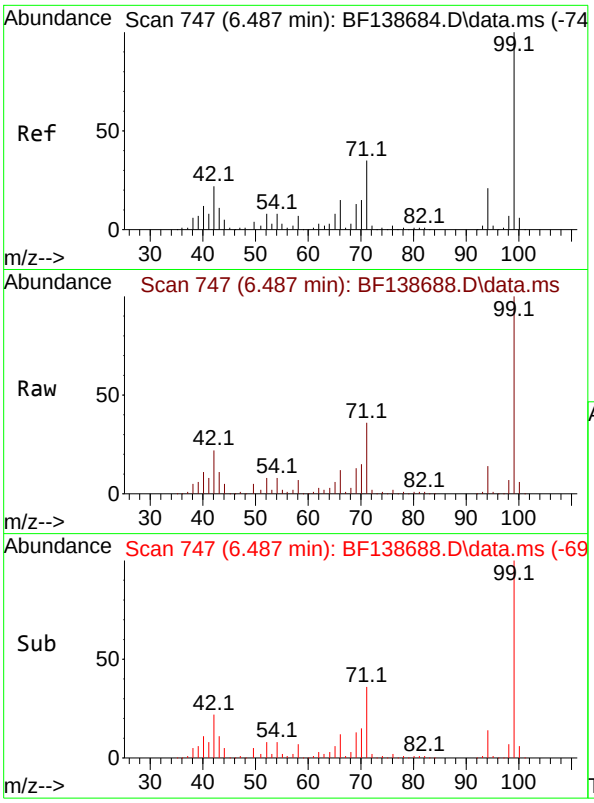


#6
Aniline
Concen: 40.197 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 93 Resp: 255062

Ion	Ratio	Lower	Upper
93	100		
66	66.5	46.9	70.3
65	38.7	26.5	39.7



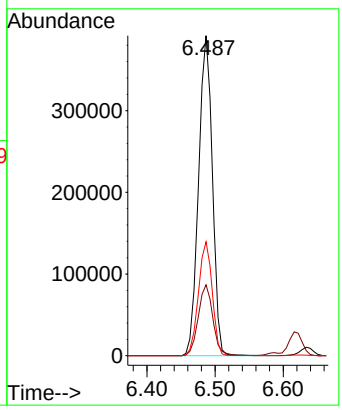


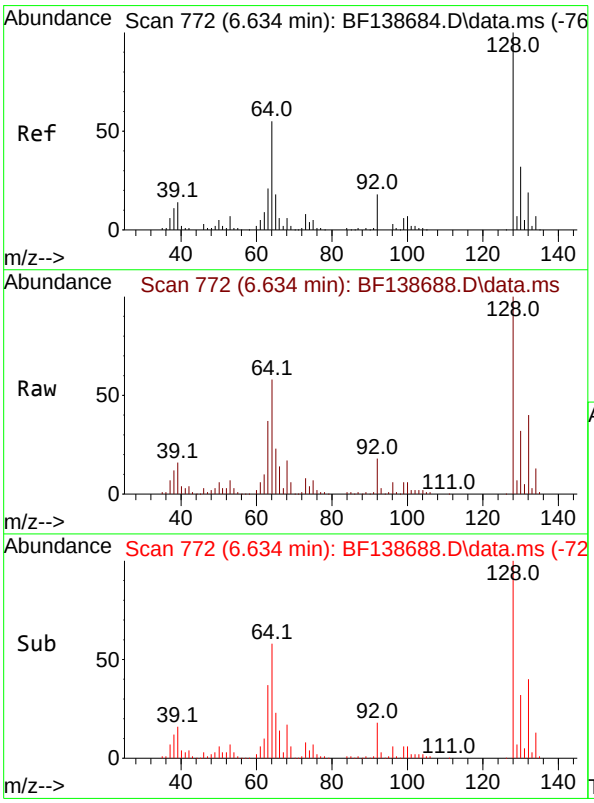
#7
Phenol-d6
Concen: 77.578 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 99 Resp: 551968

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.0
71	35.6	28.1	42.1

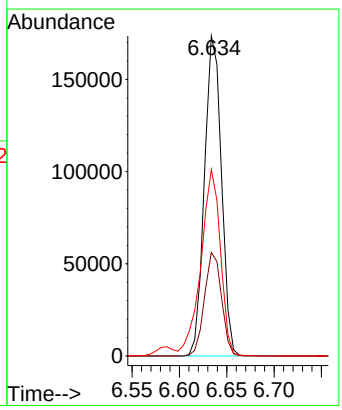


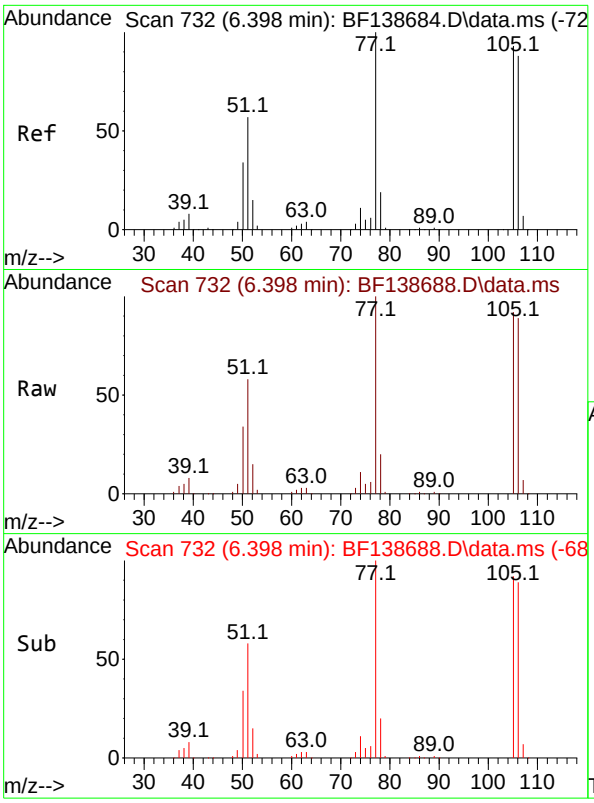


#8
2-Chlorophenol
Concen: 38.895 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:128 Resp: 216863

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	58.3	36.3	76.3



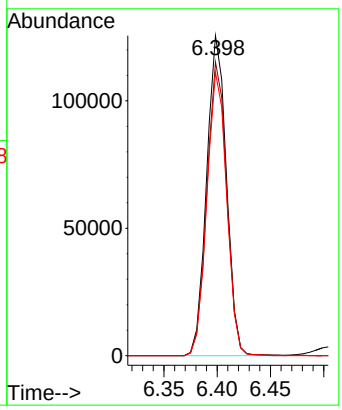


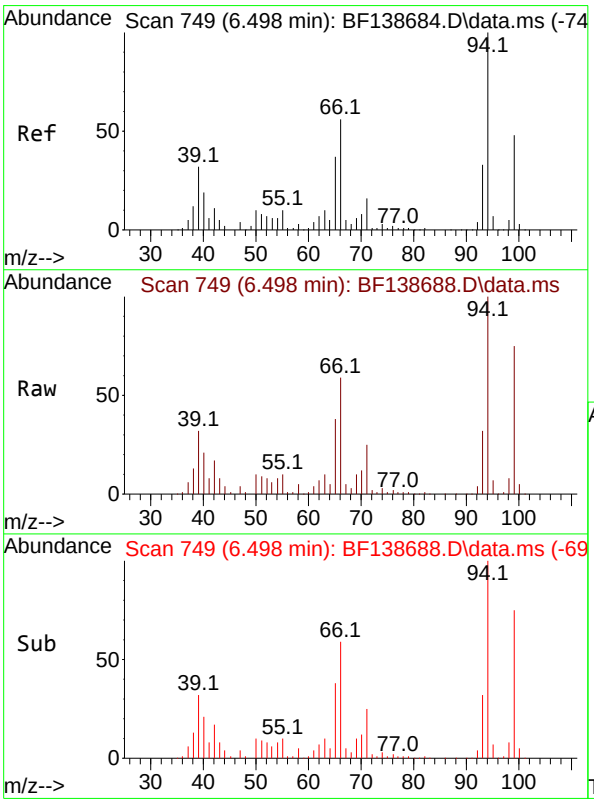
#9
Benzaldehyde
Concen: 37.898 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 77 Resp: 161636

Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	88.6	68.4	108.4

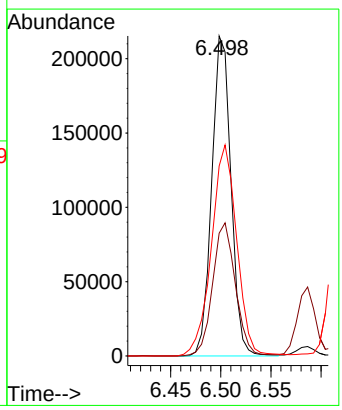


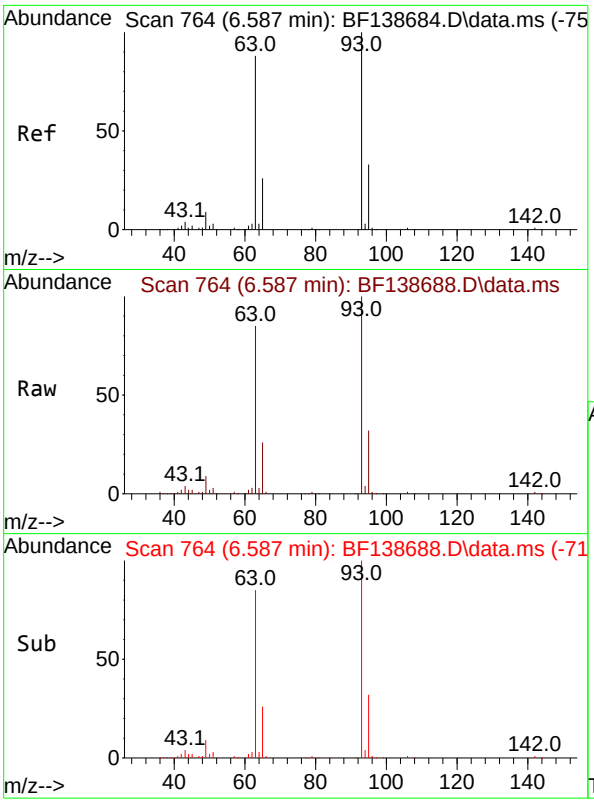


#10
Phenol
Concen: 38.277 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 94 Resp: 286738

Ion	Ratio	Lower	Upper
94	100		
65	38.4	16.9	56.9
66	59.3	36.5	76.5



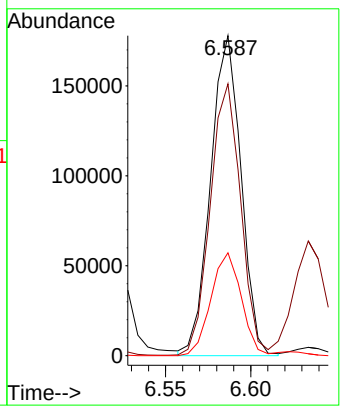


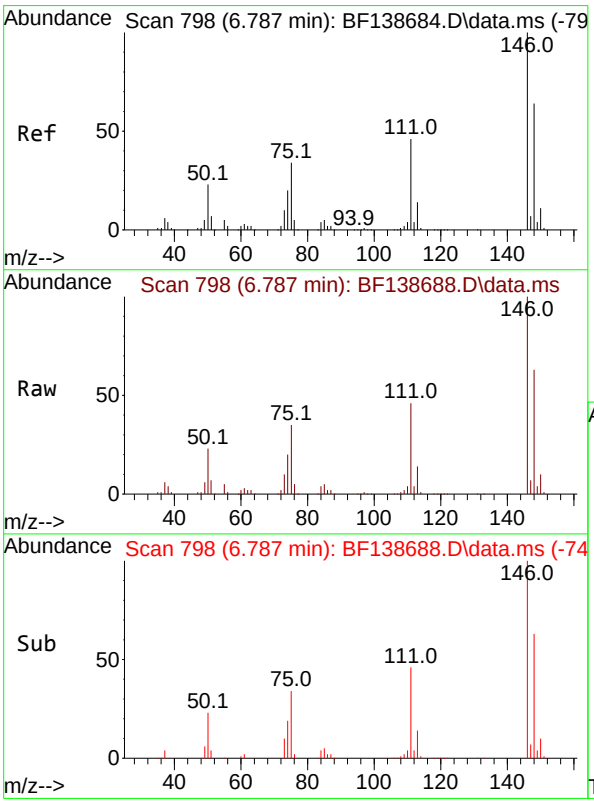
#11
bis(2-Chloroethyl)ether
Concen: 38.433 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 93 Resp: 221556

Ion	Ratio	Lower	Upper
93	100		
63	85.0	65.3	105.3
95	32.2	12.4	52.4

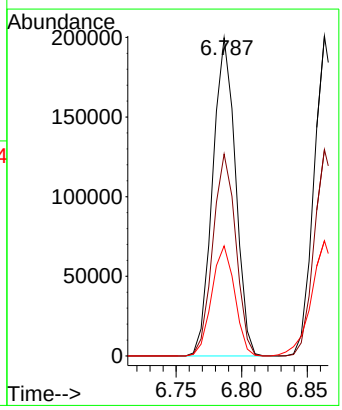


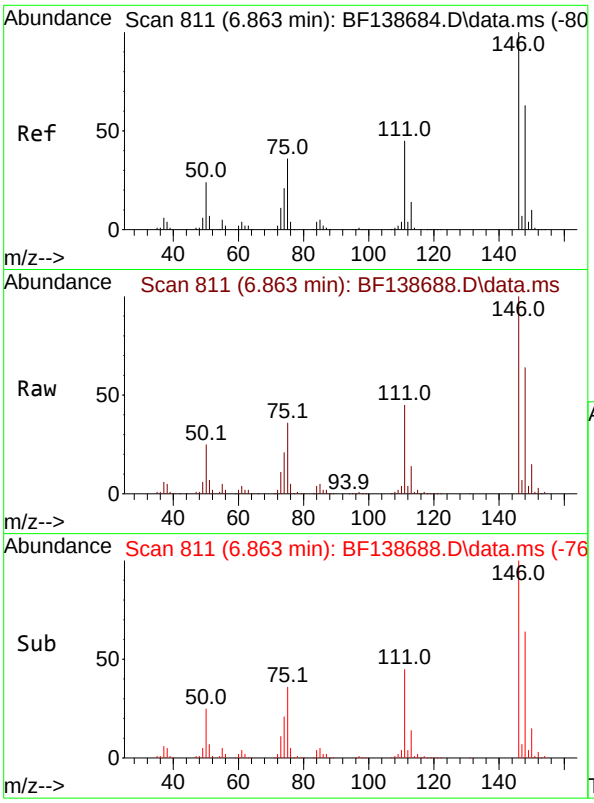


#12
1,3-Dichlorobenzene
Concen: 38.692 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:146 Resp: 241485

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.2	76.8
75	34.6	27.4	41.2



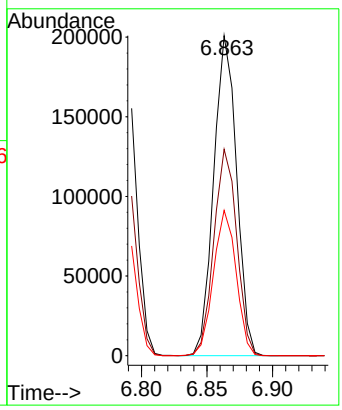


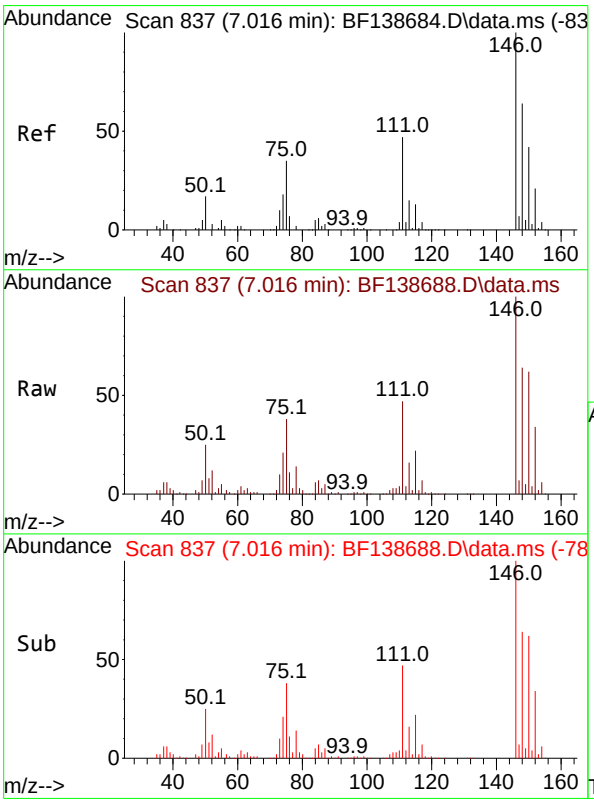
#13
1,4-Dichlorobenzene
Concen: 38.668 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:146 Resp: 243549

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.2	75.2
111	45.4	35.9	53.9

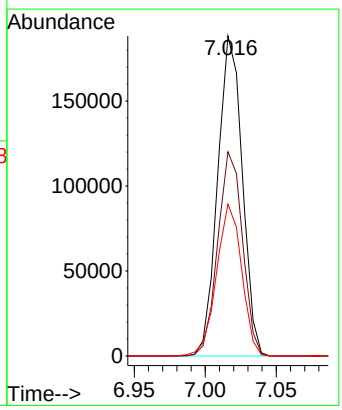


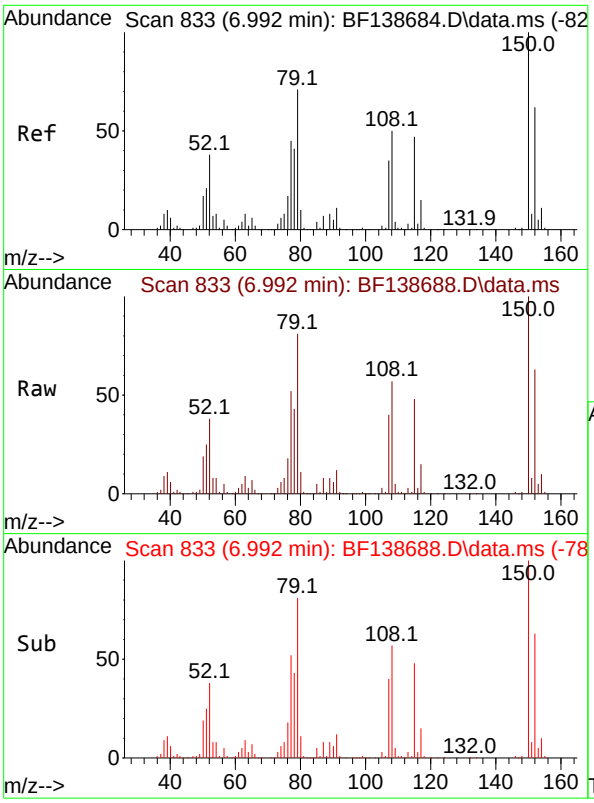


#14
1,2-Dichlorobenzene
Concen: 38.492 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:146 Resp: 226577

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	47.4	37.4	56.2



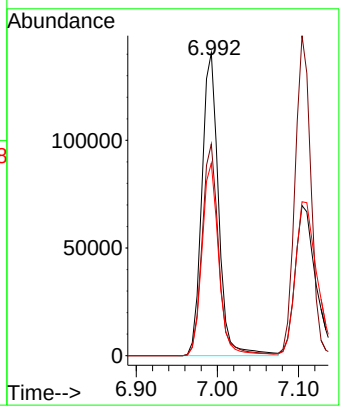


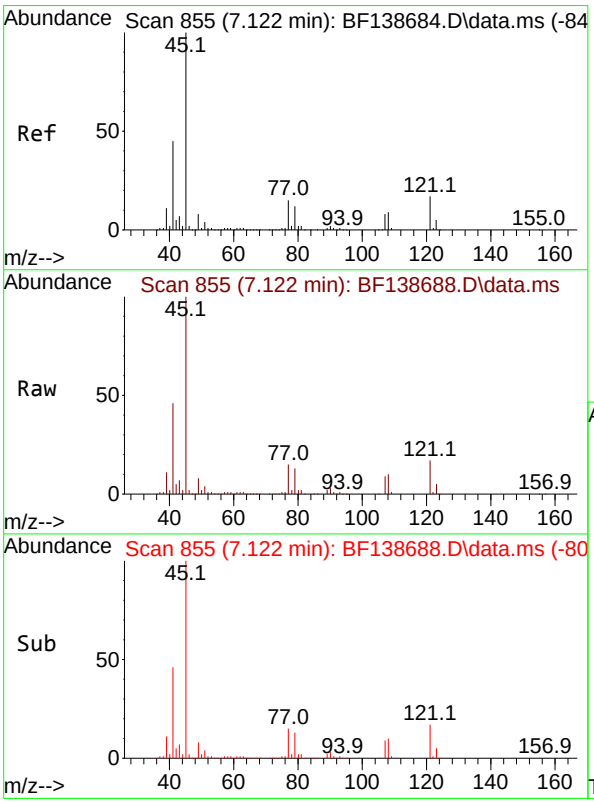
#15
Benzyl Alcohol
Concen: 39.118 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 79 Resp: 200599

Ion	Ratio	Lower	Upper
79	100		
108	69.9	56.6	85.0
77	63.6	50.3	75.5

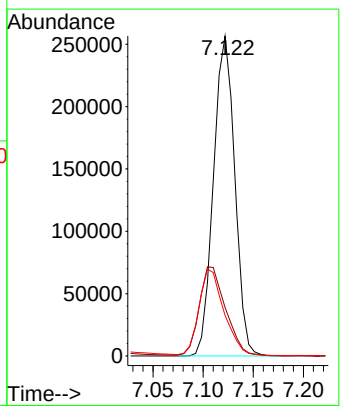


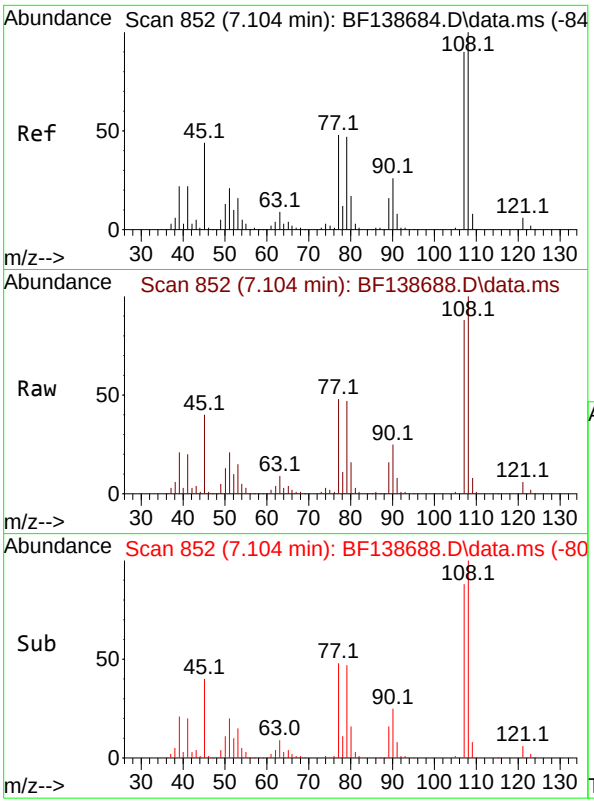


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.127 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 45 Resp: 378258

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.9
79	12.7	0.0	32.2



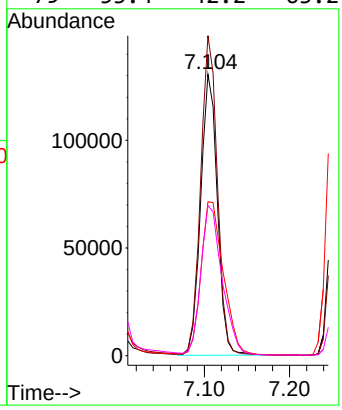


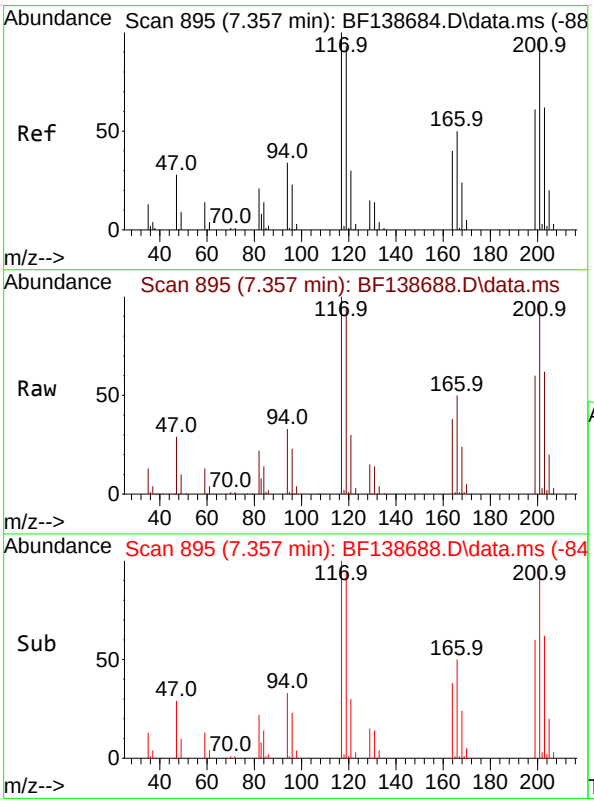
#17
2-Methylphenol
Concen: 38.649 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:107 Resp: 177941

Ion	Ratio	Lower	Upper
107	100		
108	113.7	89.2	133.8
77	54.7	43.0	64.4
79	53.4	42.2	63.2

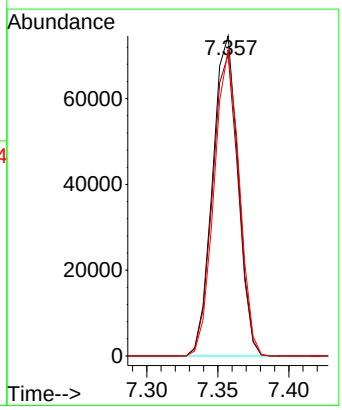


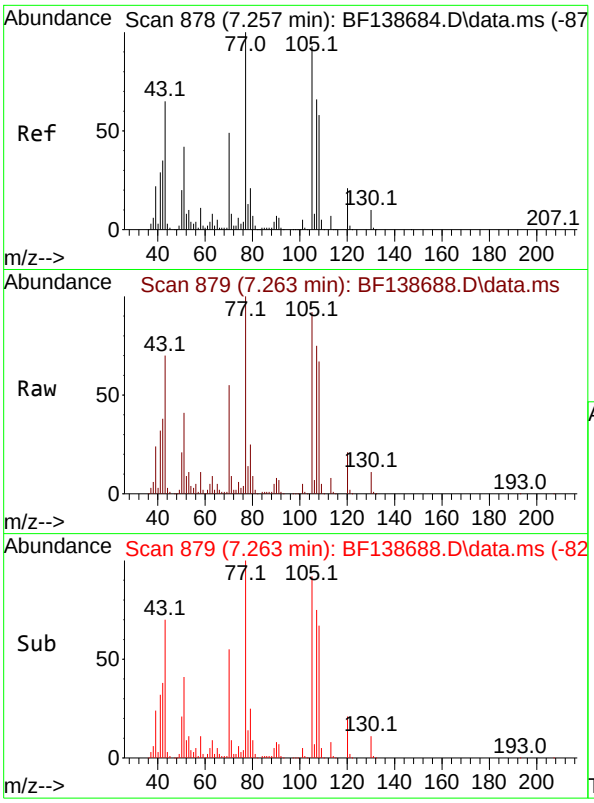


#18
Hexachloroethane
Concen: 39.384 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:117 Resp: 93375

Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.6	111.8
201	95.7	77.2	115.8



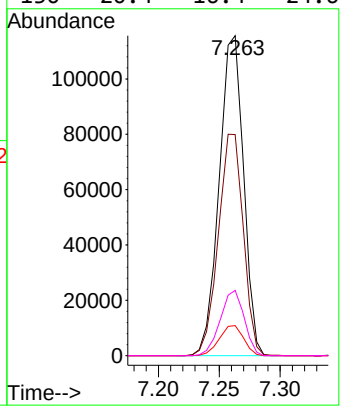


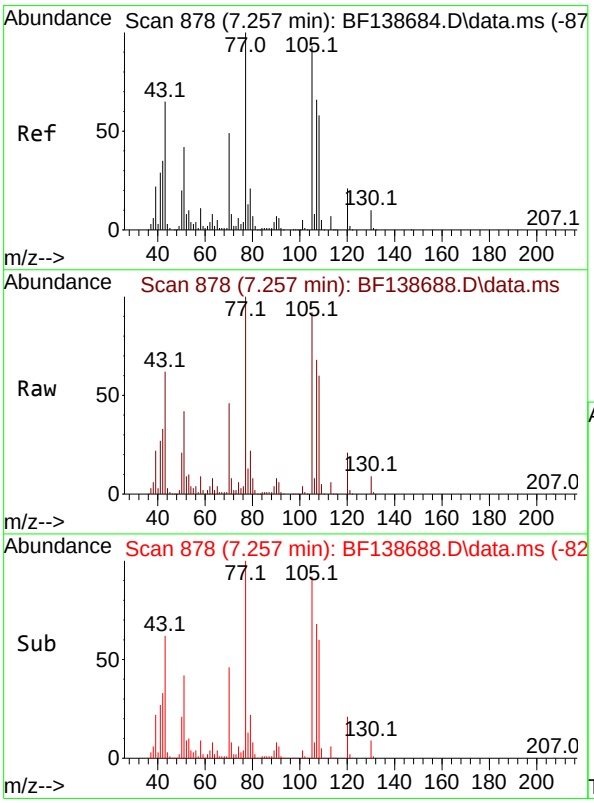
#19
n-Nitroso-di-n-propylamine
Concen: 37.442 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 70 Resp: 160901

Ion	Ratio	Lower	Upper
70	100		
42	69.1	57.4	86.0
101	9.4	7.5	11.3
130	20.4	16.4	24.6

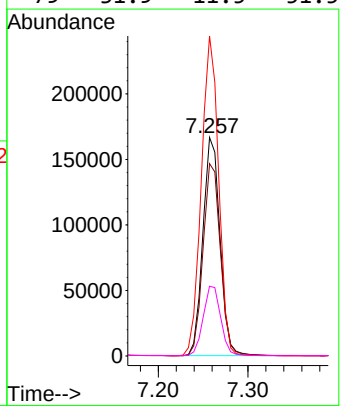


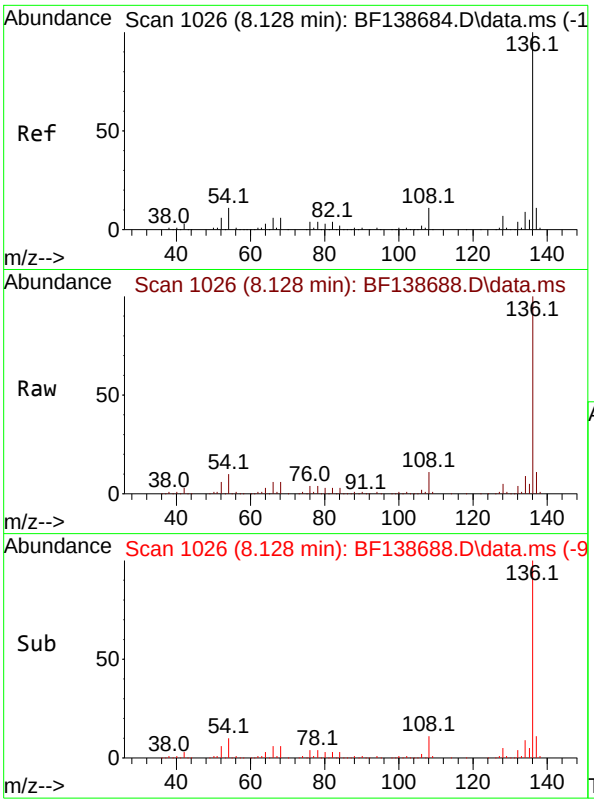


#20
3+4-Methylphenols
Concen: 37.436 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:107 Resp: 221138

Ion	Ratio	Lower	Upper
107	100		
108	88.0	68.2	108.2
77	146.4	132.1	172.1
79	31.9	11.5	51.5



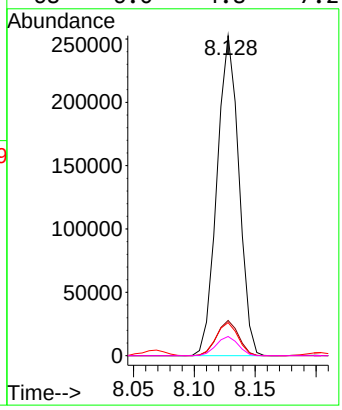


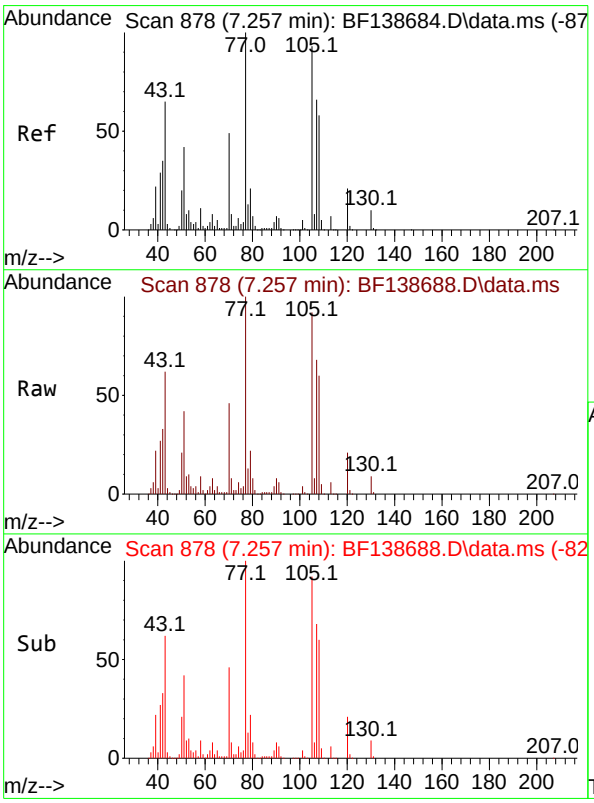
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:136 Resp: 316107

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.4	8.6	12.8
68	6.0	4.8	7.2

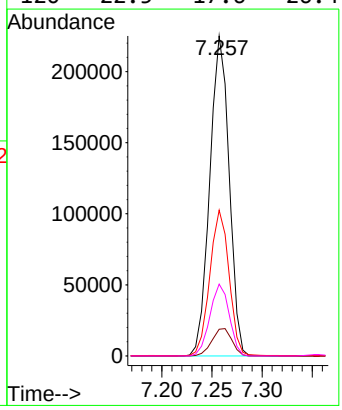


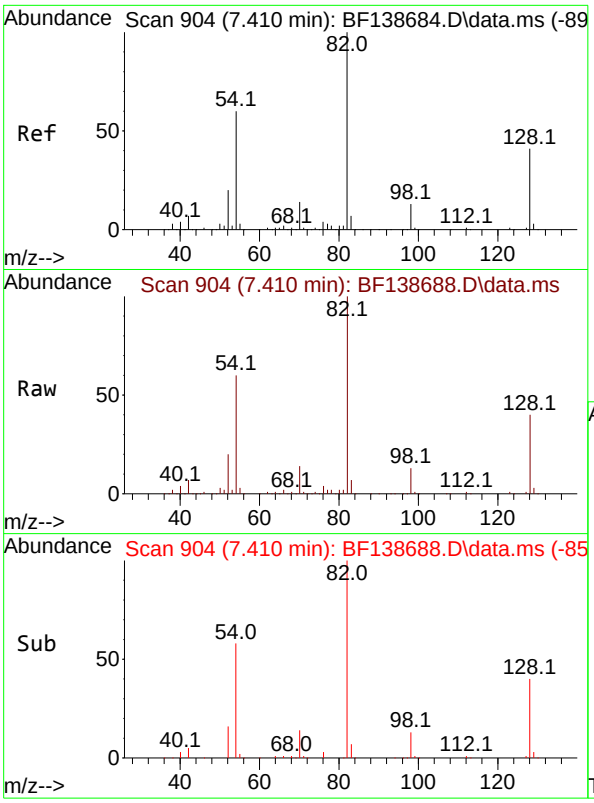


#22
Acetophenone
Concen: 39.095 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:105 Resp: 302593

Ion	Ratio	Lower	Upper
105	100		
71	8.3	7.2	10.8
51	45.6	35.9	53.9
120	22.5	17.6	26.4



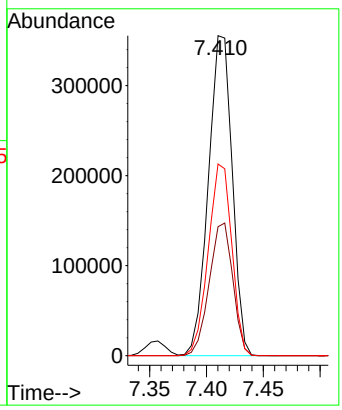


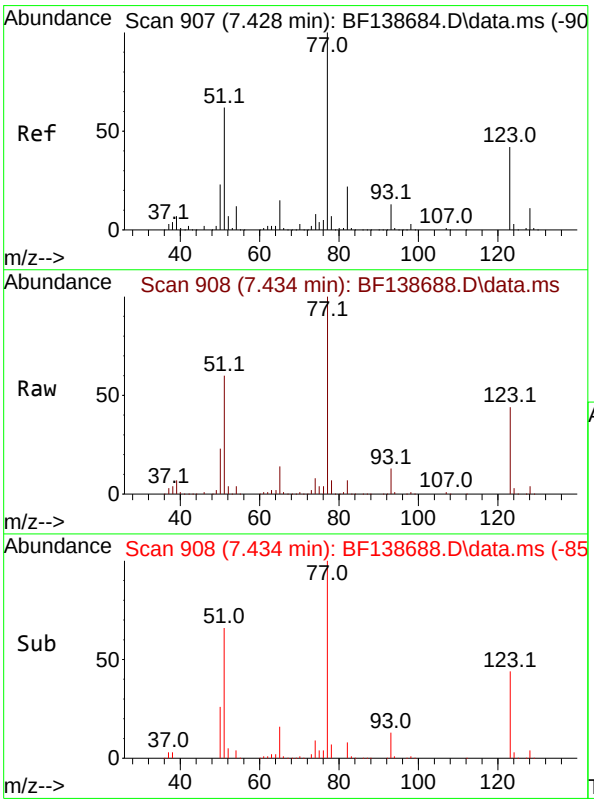
#23
Nitrobenzene-d5
Concen: 80.424 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 82 Resp: 519984

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	59.9	48.3	72.5

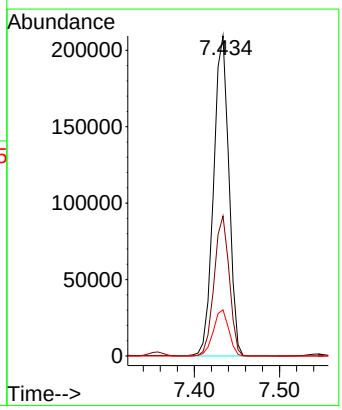


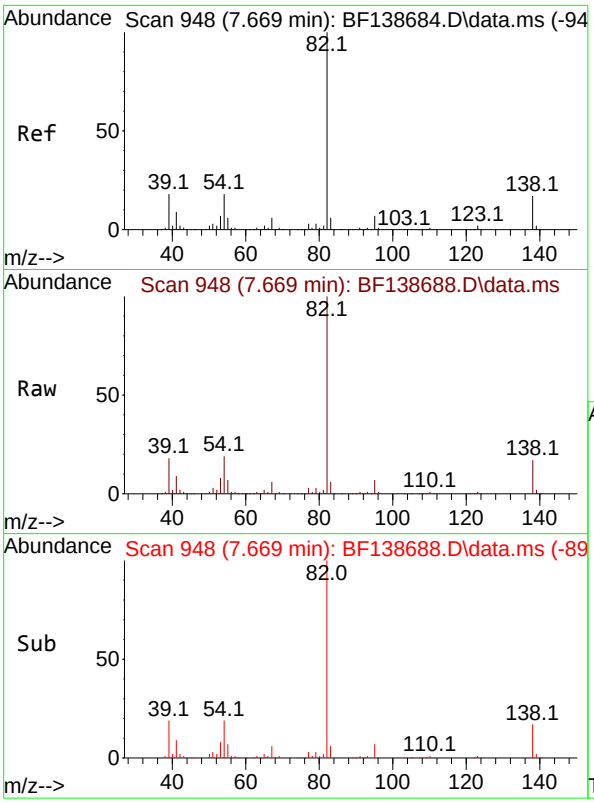


#24
Nitrobenzene
Concen: 39.882 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 77 Resp: 262386

Ion	Ratio	Lower	Upper
77	100		
123	43.7	33.3	49.9
65	14.4	11.9	17.9



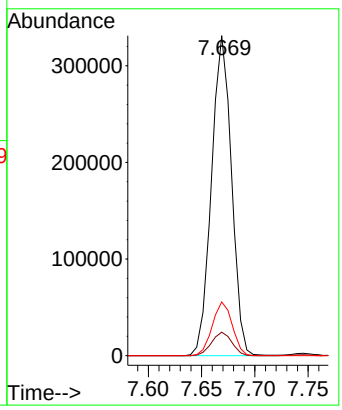


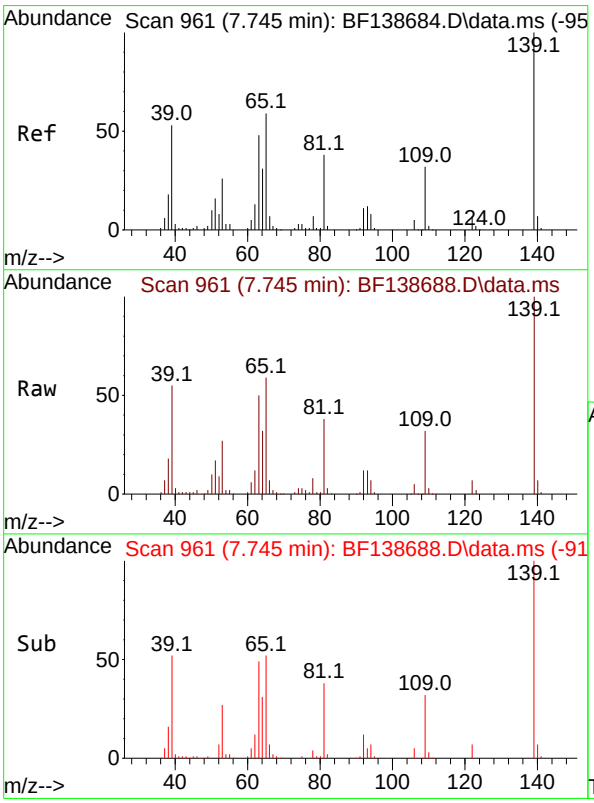
#25
Isophorone
Concen: 39.275 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 82 Resp: 433596

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.7	8.5
138	16.8	13.7	20.5

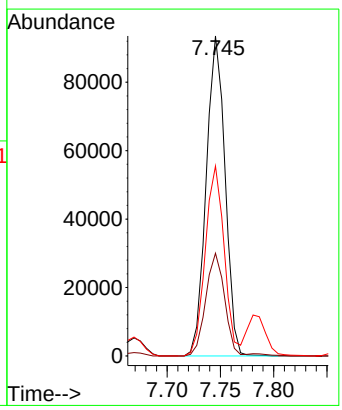


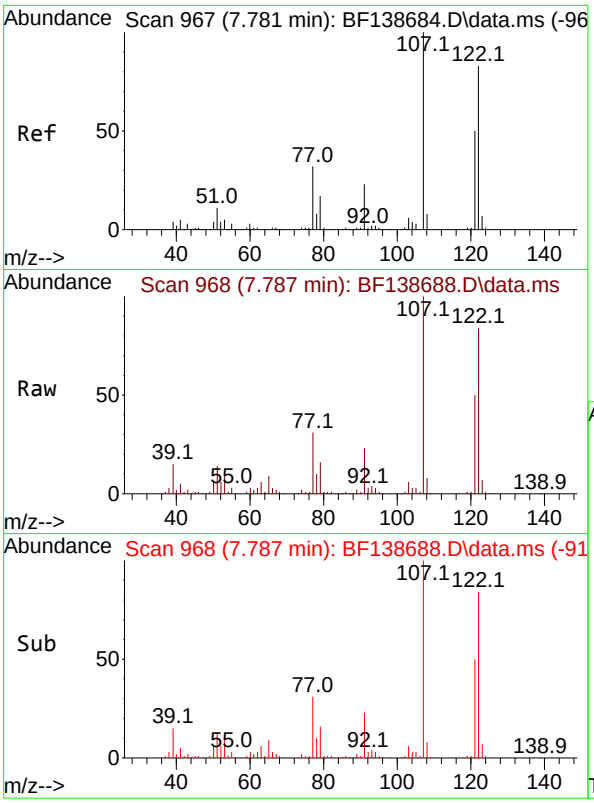


#26
2-Nitrophenol
Concen: 40.668 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:139 Resp: 115113

Ion	Ratio	Lower	Upper
139	100		
109	32.1	25.9	38.9
65	59.3	47.0	70.6



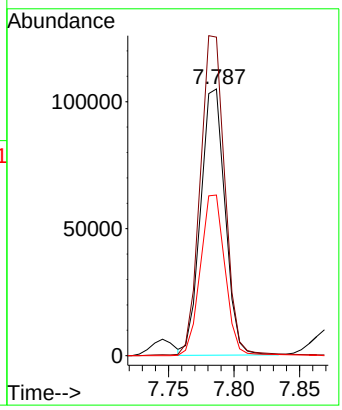


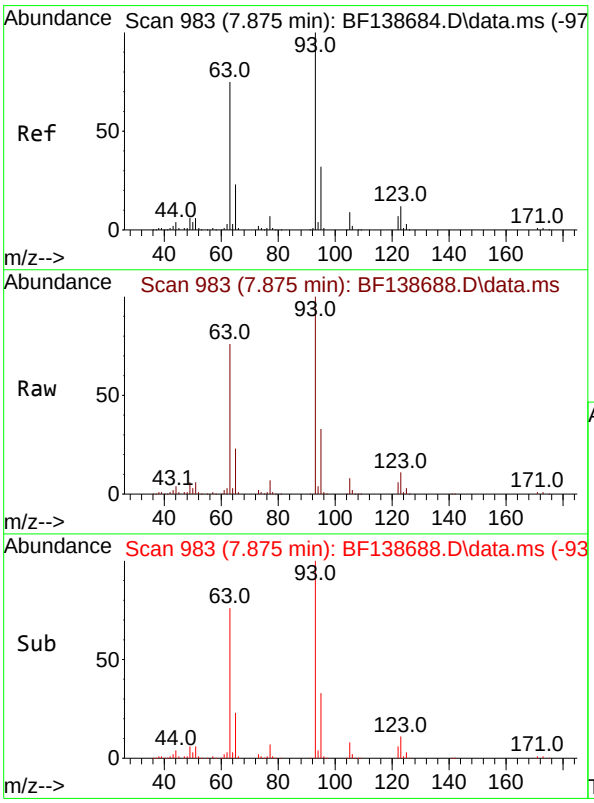
#27
2,4-Dimethylphenol
Concen: 40.231 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:122 Resp: 136249

Ion	Ratio	Lower	Upper
122	100		
107	119.4	95.0	142.6
121	60.2	47.3	70.9

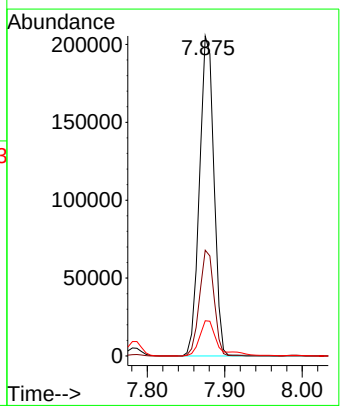


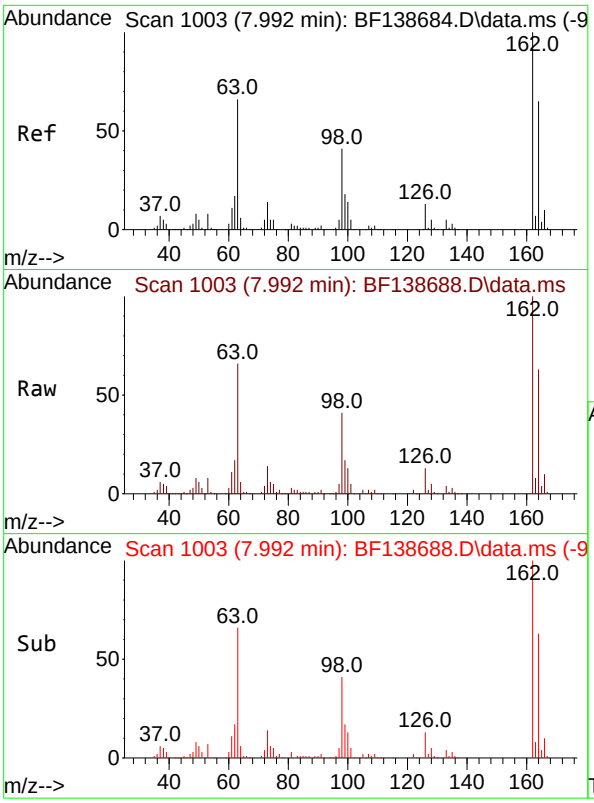


#28
bis(2-Chloroethoxy)methane
Concen: 39.557 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 93 Resp: 265943

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	11.0	9.4	14.0



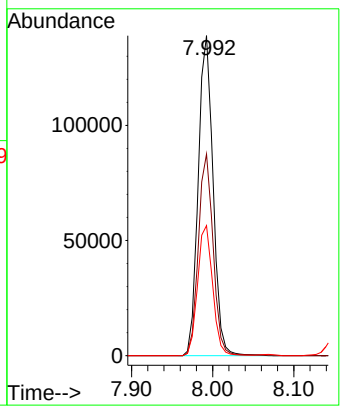


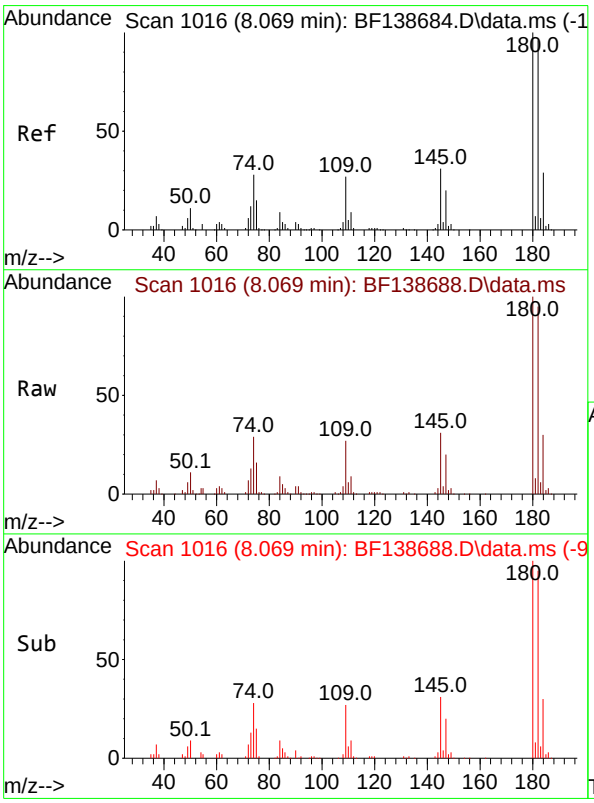
#29
2,4-Dichlorophenol
Concen: 40.567 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:162 Resp: 176541

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.7	84.7
98	40.7	20.8	60.8

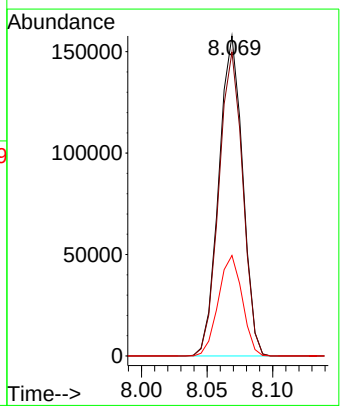


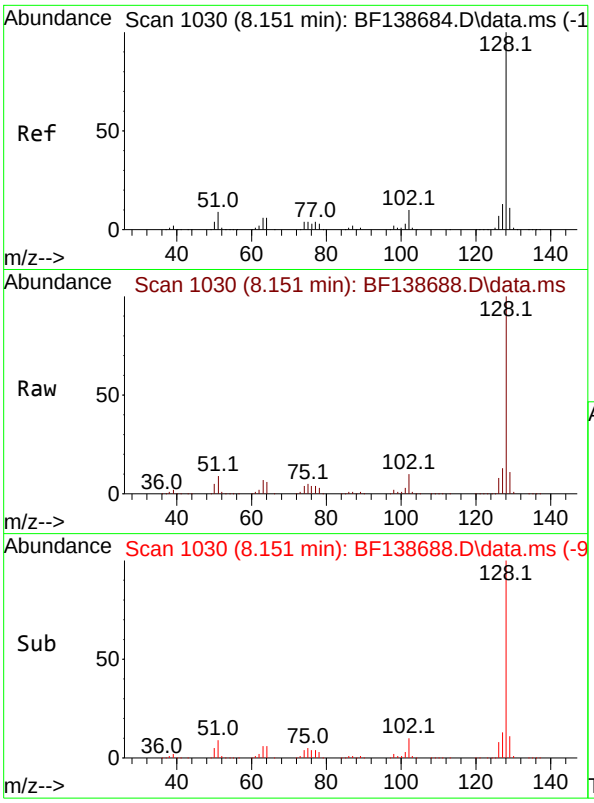


#30
1,2,4-Trichlorobenzene
Concen: 39.651 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:180 Resp: 199132

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	31.4	25.0	37.4



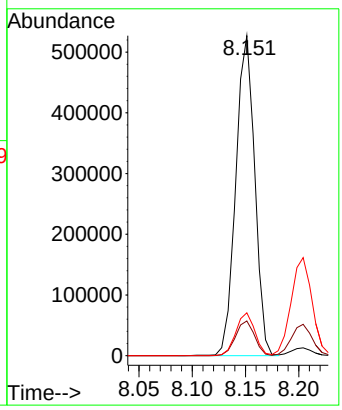


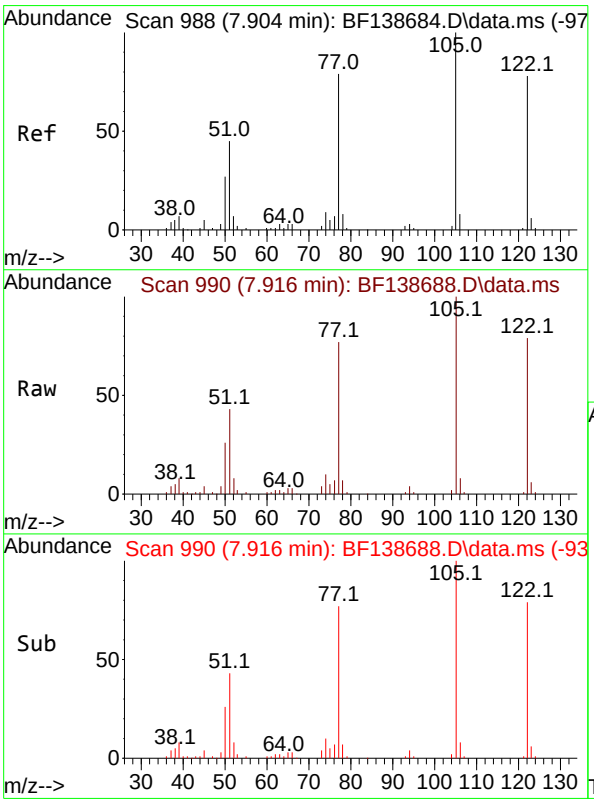
#31
Naphthalene
Concen: 39.232 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:128 Resp: 652780

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.6	16.0

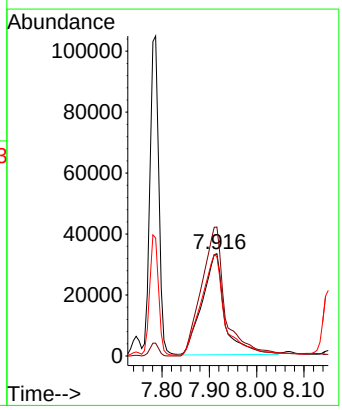


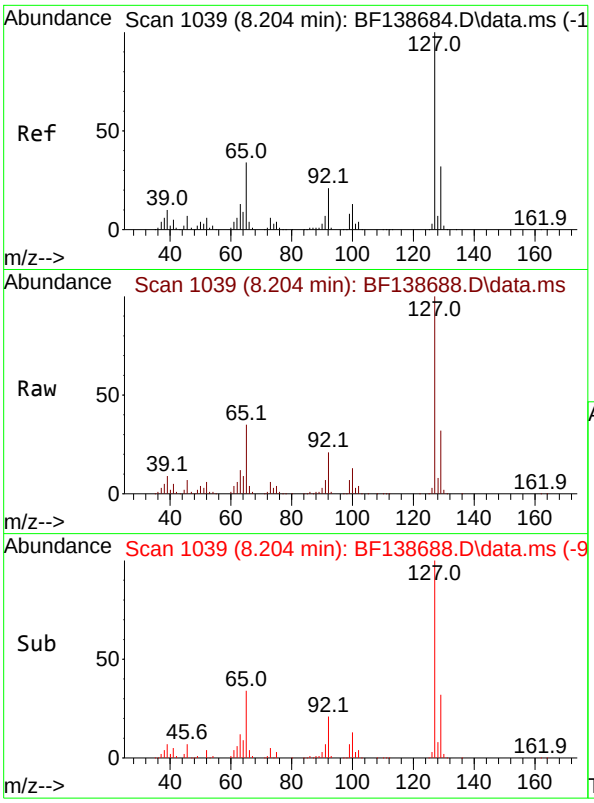


#32
Benzoic acid
Concen: 41.481 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:122 Resp: 110429

Ion	Ratio	Lower	Upper
122	100		
105	126.2	106.7	146.7
77	97.2	81.1	121.1



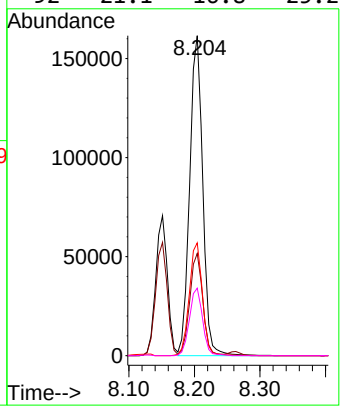


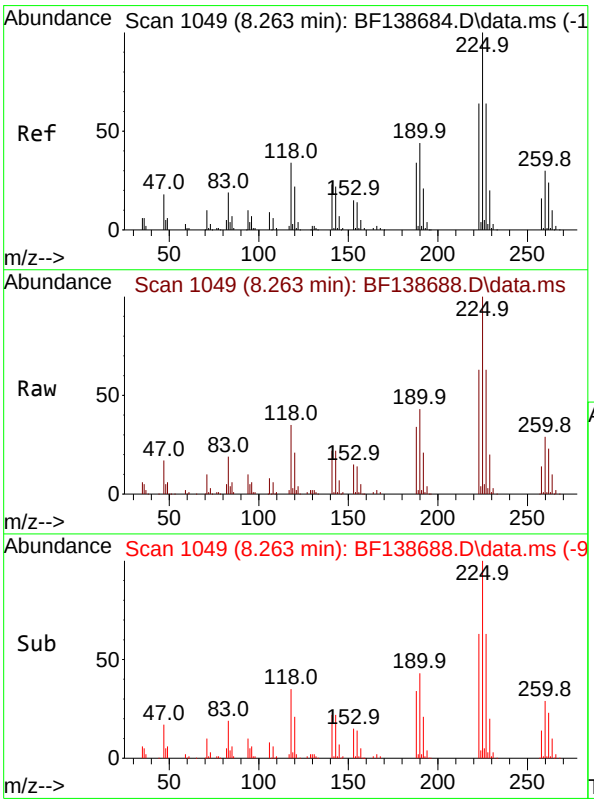
#33
4-Chloroaniline
Concen: 40.067 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:127 Resp: 223787

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	35.2	27.6	41.4
92	21.1	16.8	25.2

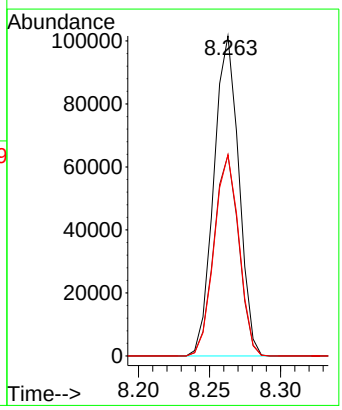


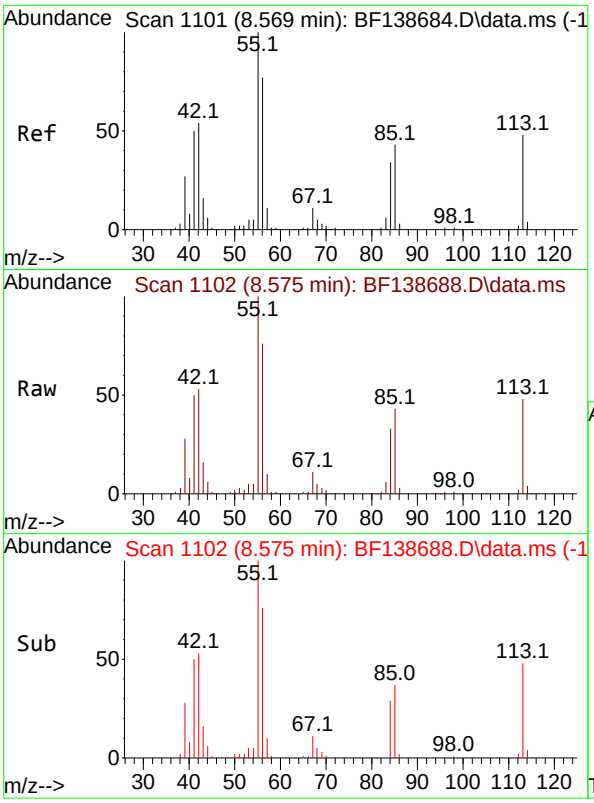


#34
Hexachlorobutadiene
Concen: 40.772 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:225 Resp: 124022

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.2	76.8
227	62.9	51.1	76.7



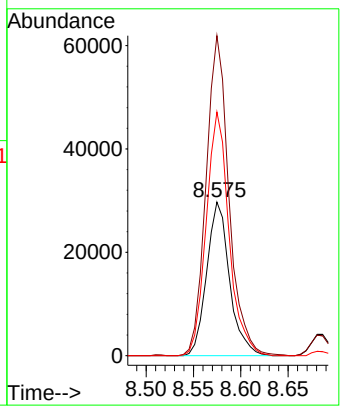


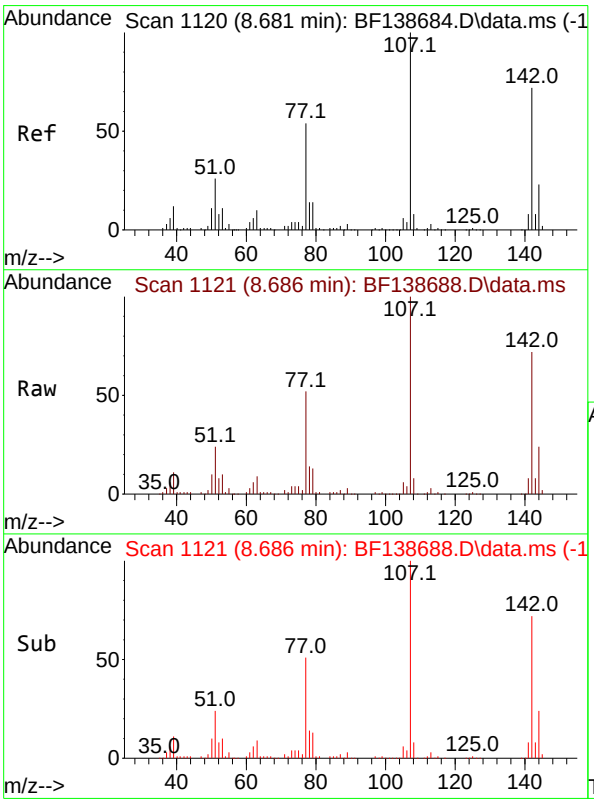
#35
Caprolactam
Concen: 38.365 ng
RT: 8.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:113 Resp: 49818

Ion	Ratio	Lower	Upper
113	100		
55	208.2	186.7	226.7
56	158.6	138.9	178.9

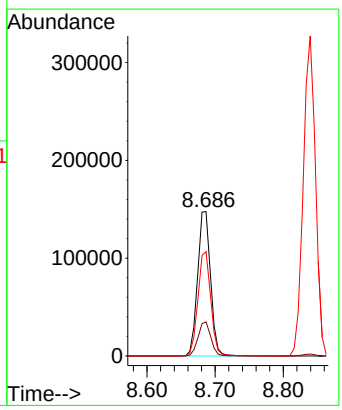


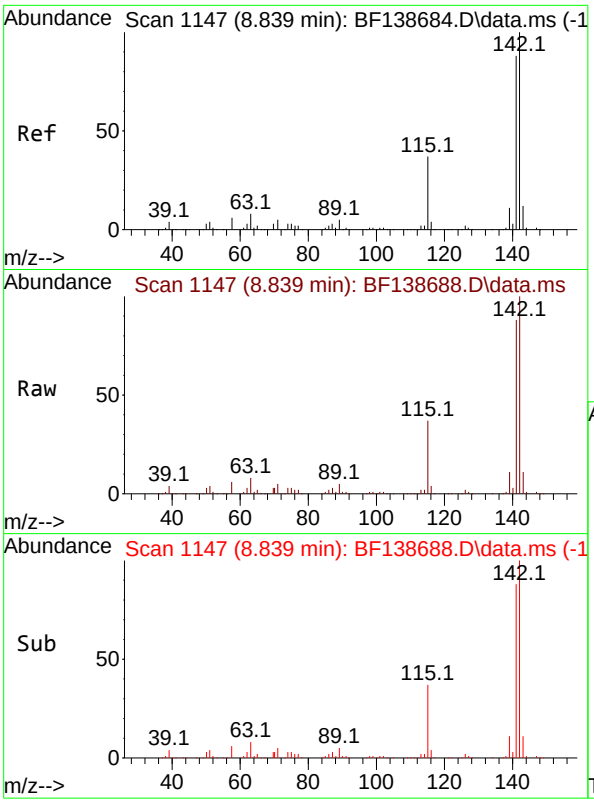


#36
4-Chloro-3-methylphenol
Concen: 39.164 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:107 Resp: 194782

Ion	Ratio	Lower	Upper
107	100		
144	23.6	18.2	27.2
142	72.3	57.4	86.2



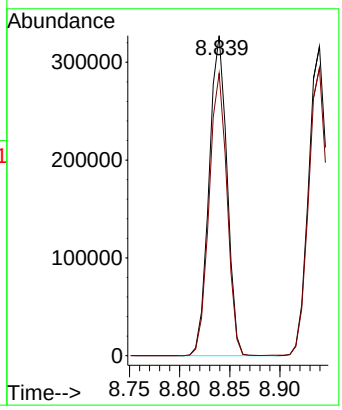


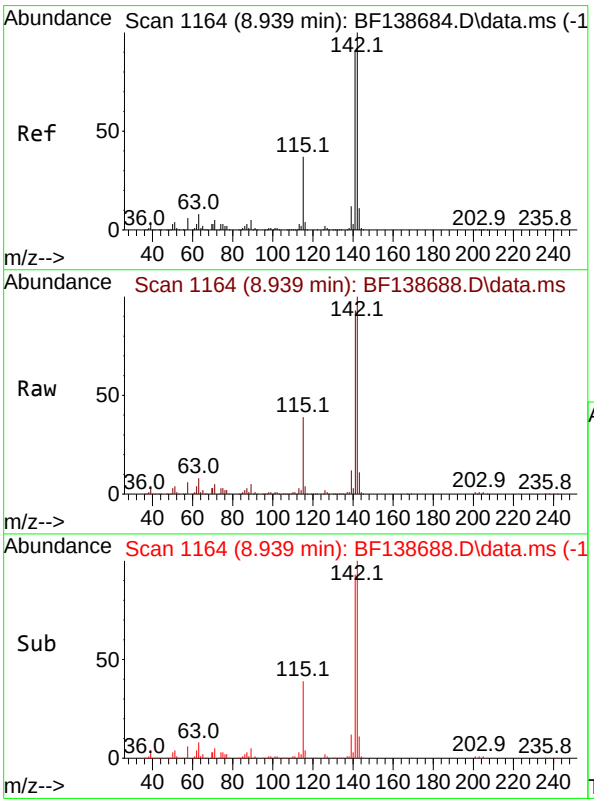
#37
2-Methylnaphthalene
Concen: 38.836 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:142 Resp: 408106

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

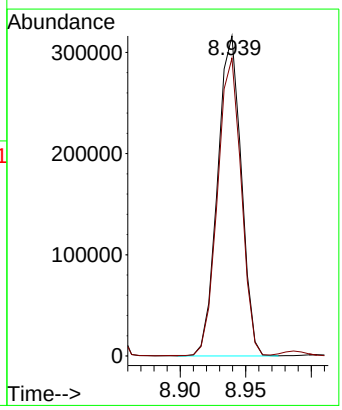


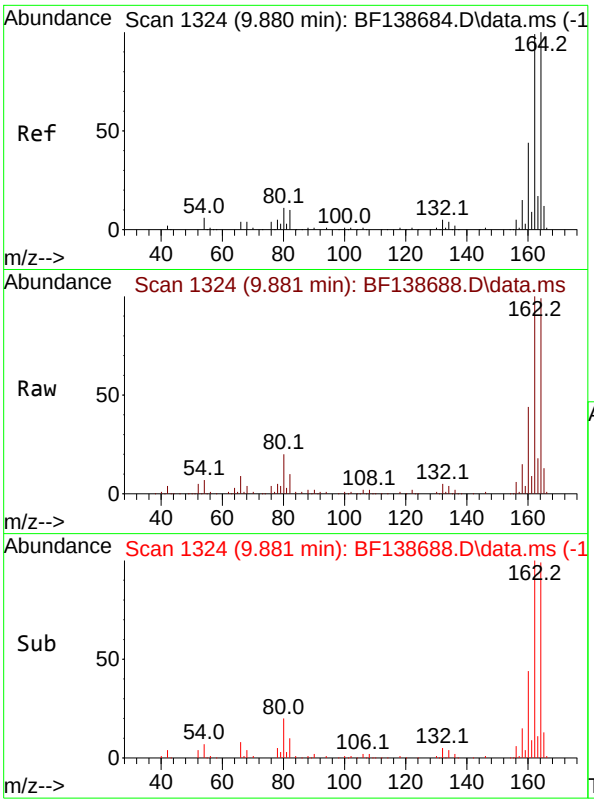


#38
1-Methylnaphthalene
Concen: 38.666 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:142 Resp: 398155

Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.1	109.7



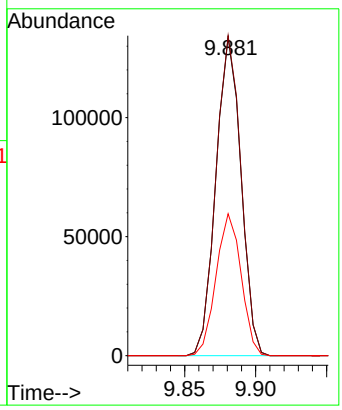


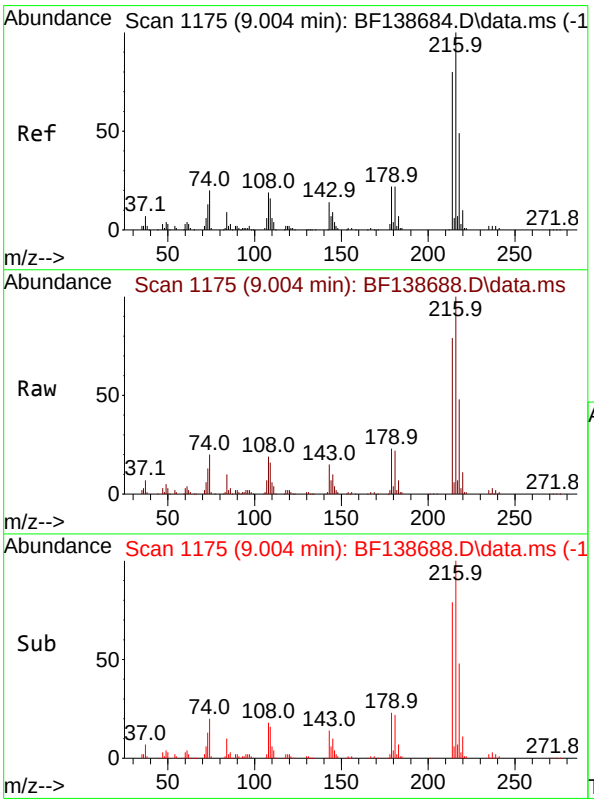
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:164 Resp: 164062

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.4	119.0
160	44.6	35.1	52.7

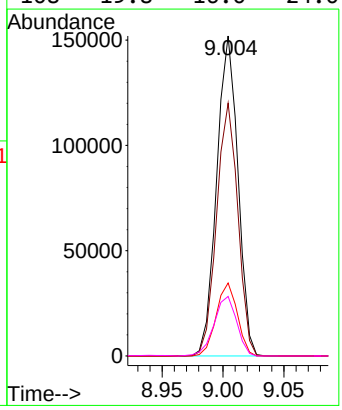


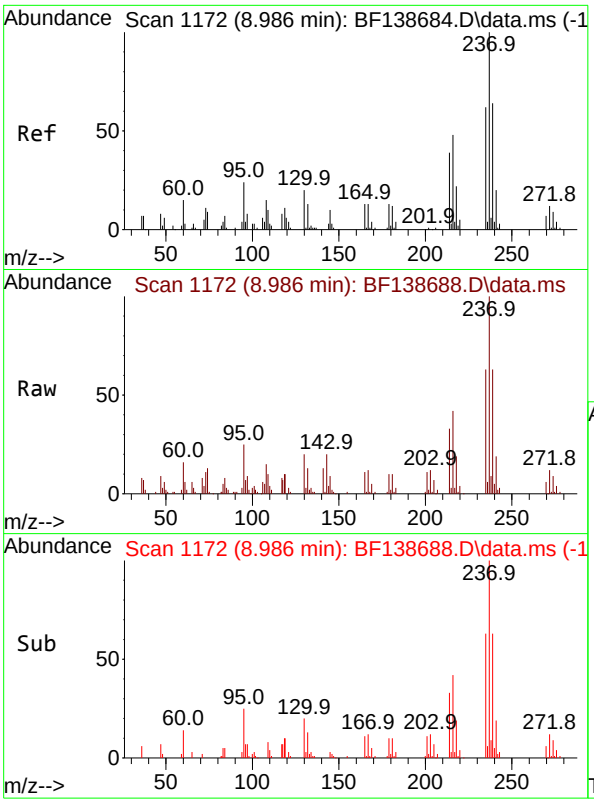


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.554 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:216 Resp: 184821

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.9	95.9
179	22.6	17.8	26.6
108	19.8	16.0	24.0



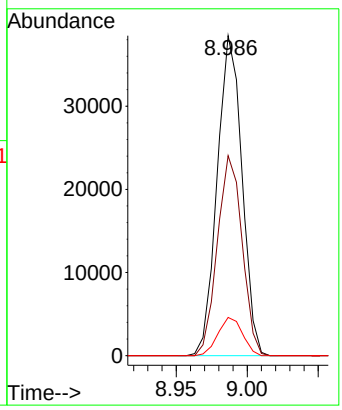


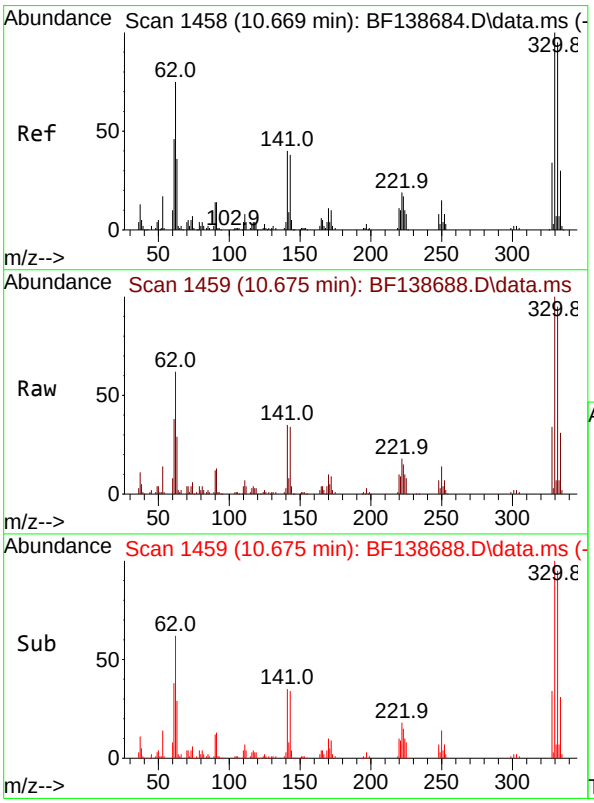
#41
Hexachlorocyclopentadiene
Concen: 42.278 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:237 Resp: 46660

Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.8	81.8
272	11.9	0.0	32.2

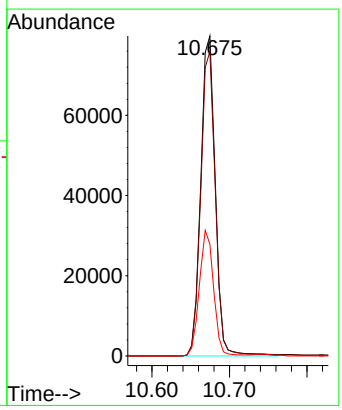


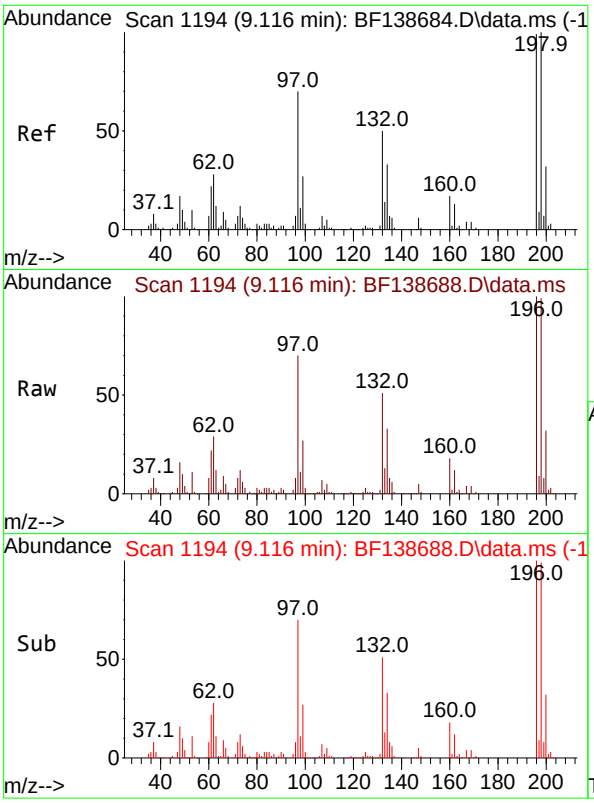


#42
2,4,6-Tribromophenol
Concen: 77.401 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:330 Resp: 104018

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.4	114.6
141	38.5	31.1	46.7



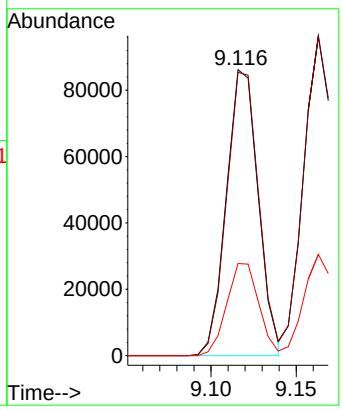


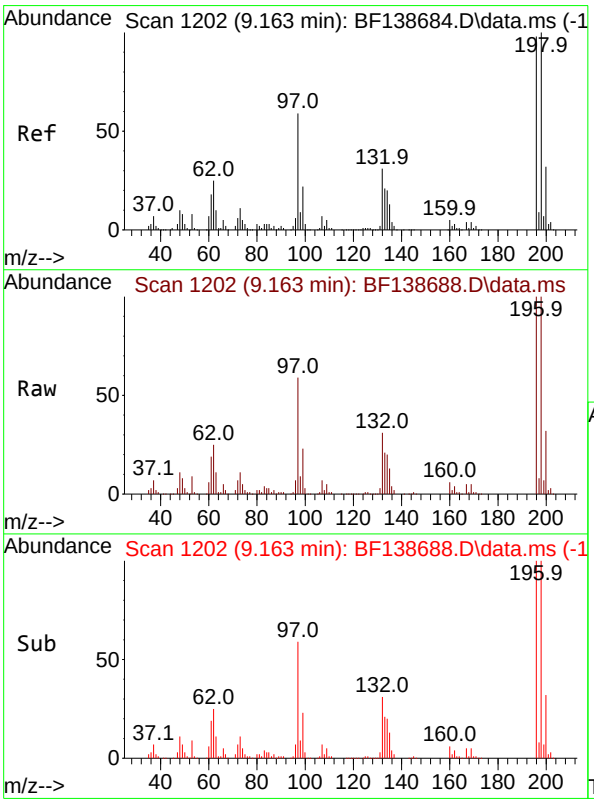
#43
2,4,6-Trichlorophenol
Concen: 40.384 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:196 Resp: 112217

Ion	Ratio	Lower	Upper
196	100		
198	99.1	80.5	120.7
200	32.2	25.9	38.9

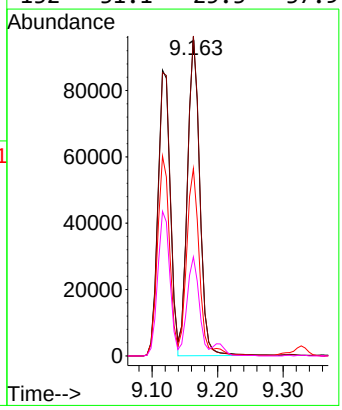


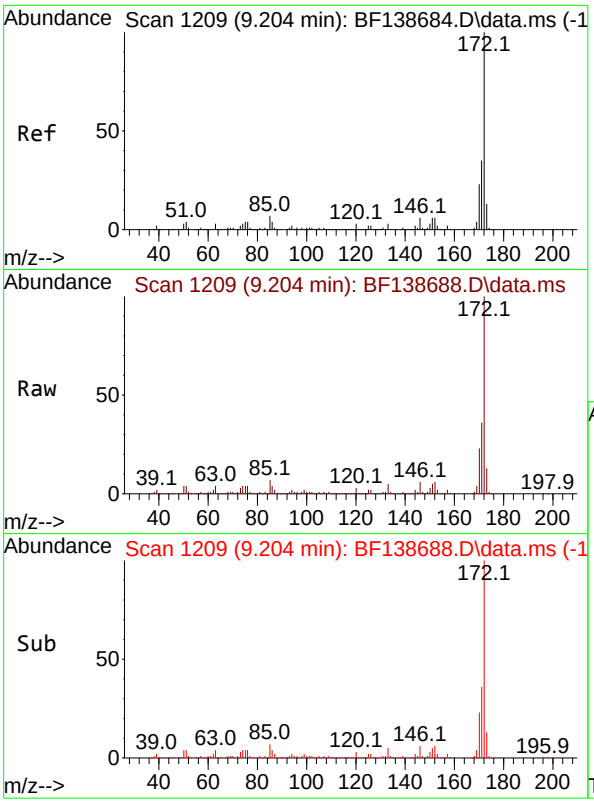


#44
2,4,5-Trichlorophenol
Concen: 41.011 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:196 Resp: 124581

Ion	Ratio	Lower	Upper
196	100		
198	100.3	81.2	121.8
97	58.7	47.8	71.6
132	31.1	25.3	37.9



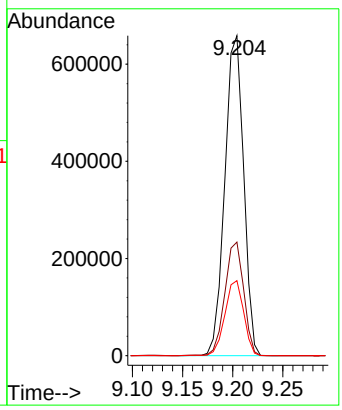


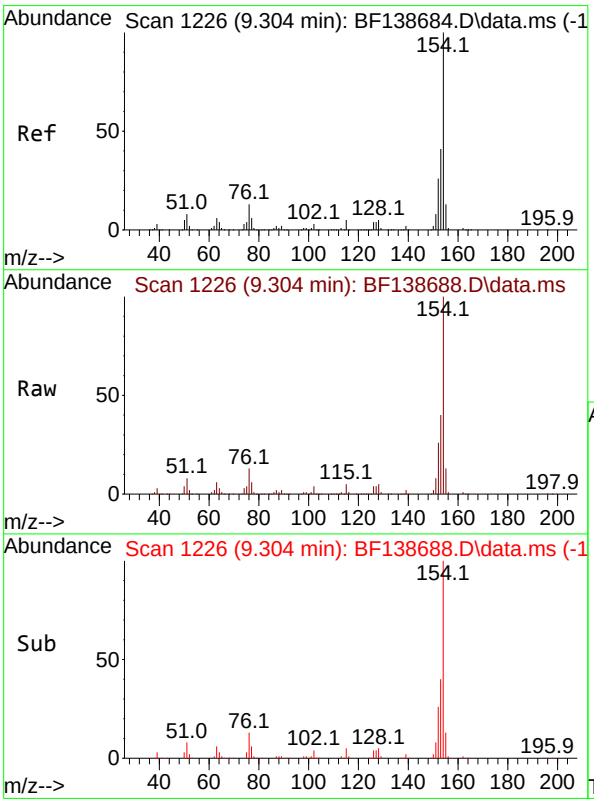
#45
2-Fluorobiphenyl
Concen: 78.500 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:172 Resp: 857165

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.5	18.8	28.2

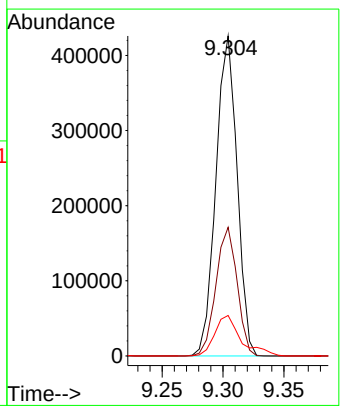


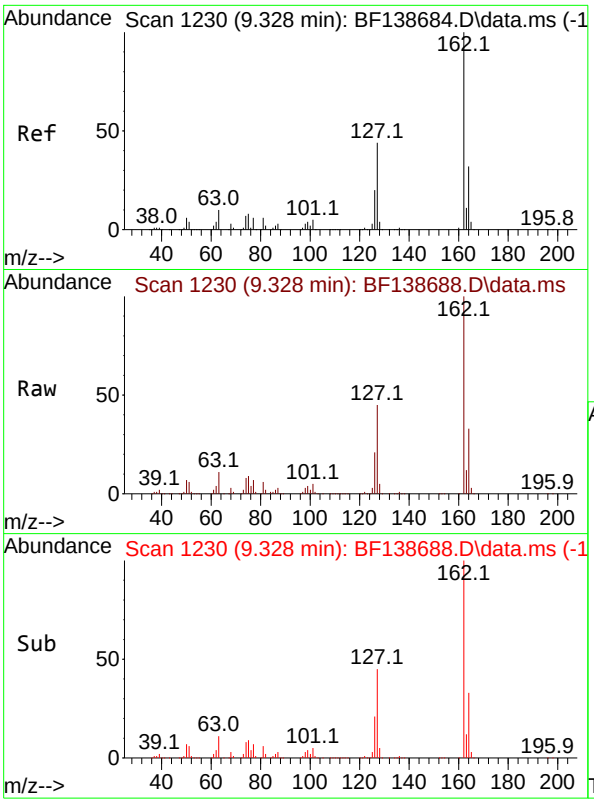


#46
1,1'-Biphenyl
Concen: 40.156 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:154 Resp: 515966

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.8	60.8
76	12.7	0.0	32.8



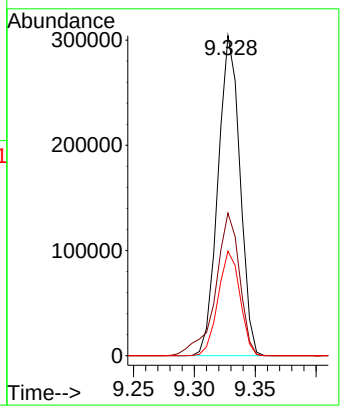


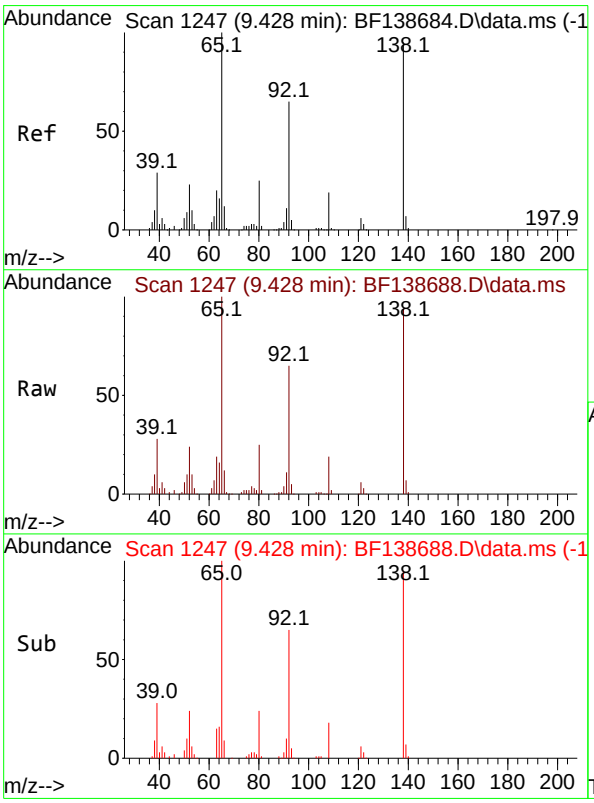
#47
2-Chloronaphthalene
Concen: 39.966 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:162 Resp: 381923

Ion	Ratio	Lower	Upper
162	100		
127	44.5	35.4	53.2
164	32.6	25.6	38.4

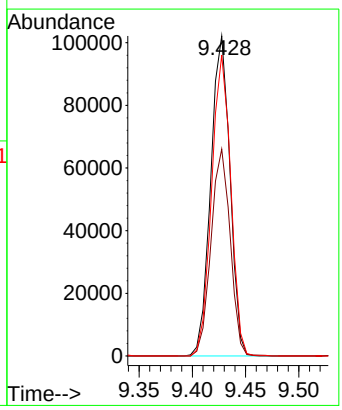


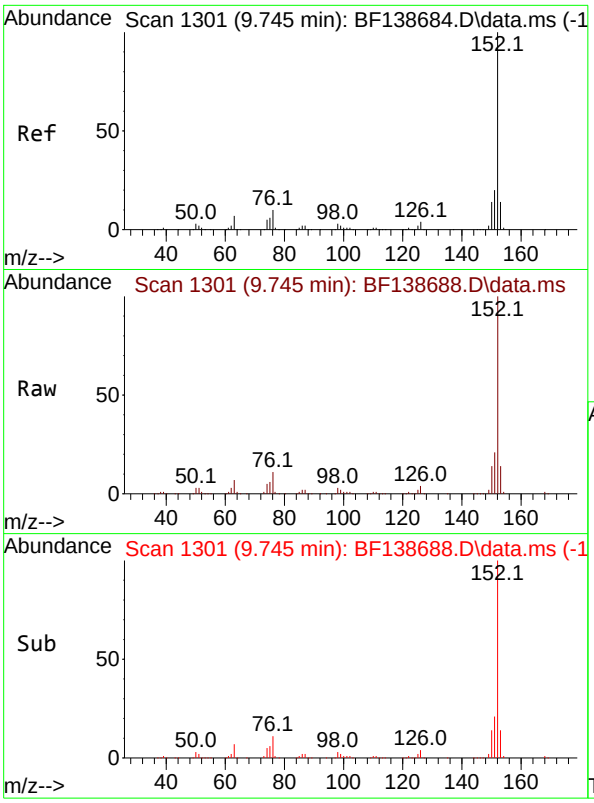


#48
2-Nitroaniline
Concen: 39.505 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion: 65 Resp: 127985

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.0	78.0
138	94.1	76.2	114.4



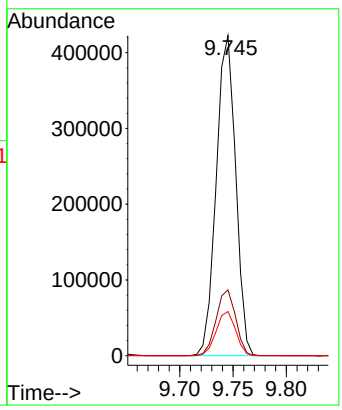


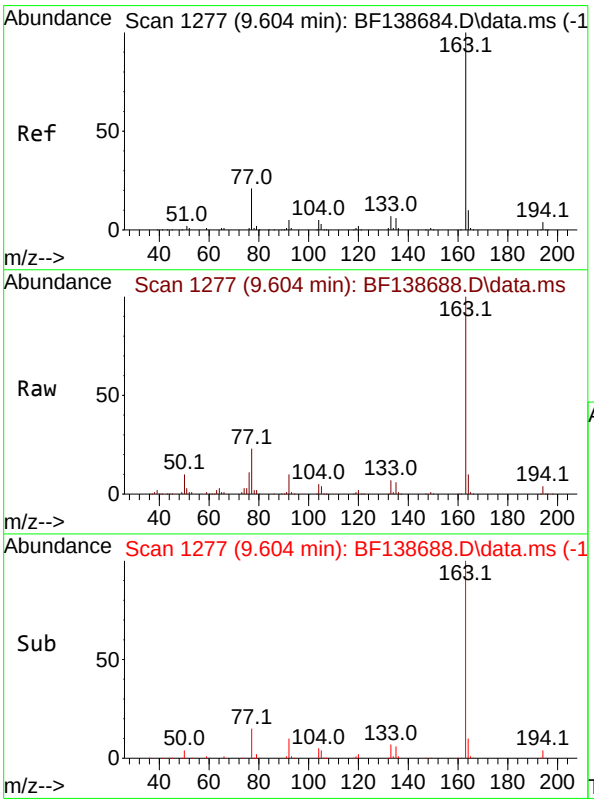
#49
Acenaphthylene
Concen: 39.504 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:152 Resp: 535427

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.8	11.0	16.4

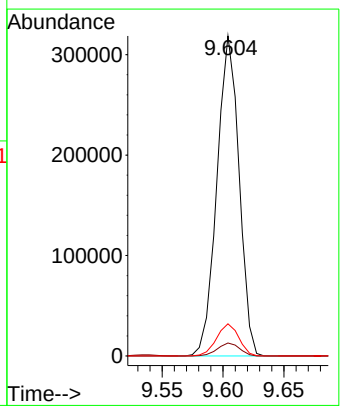


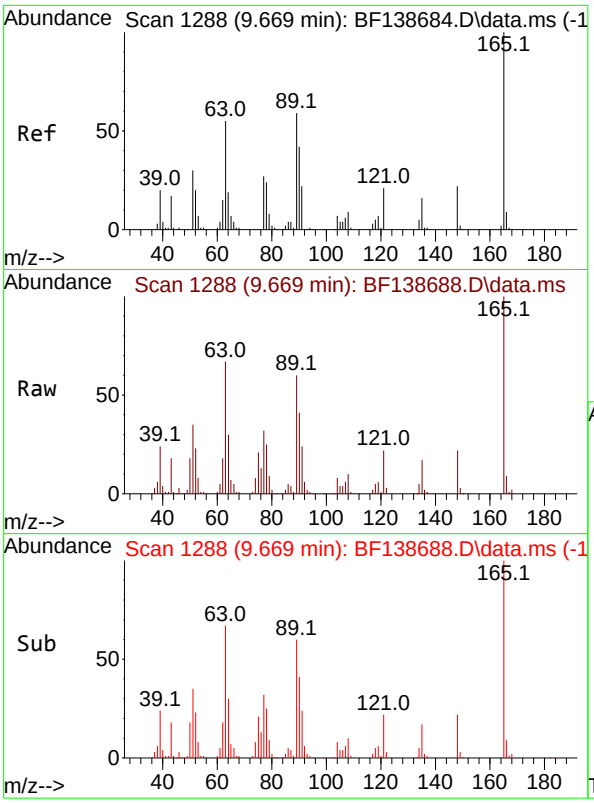


#50
Dimethylphthalate
Concen: 38.458 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:163 Resp: 403438

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.1	7.8	11.8



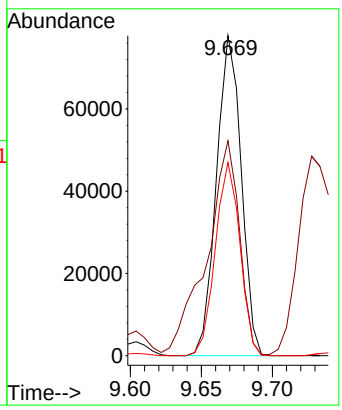


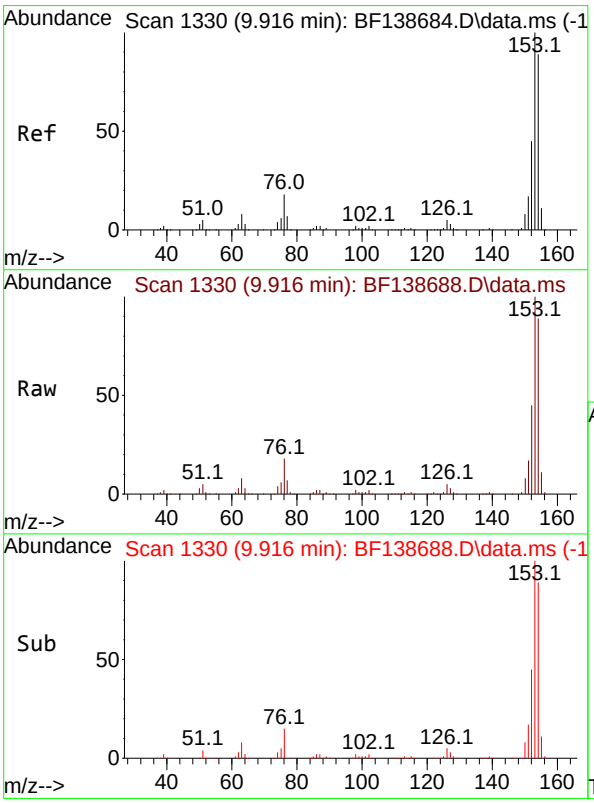
#51
2,6-Dinitrotoluene
Concen: 39.895 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:165 Resp: 94451

Ion	Ratio	Lower	Upper
165	100		
63	67.1	52.0	78.0
89	60.3	47.0	70.6

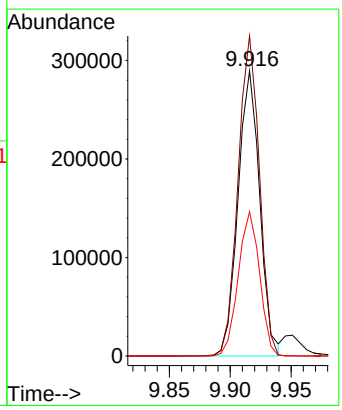


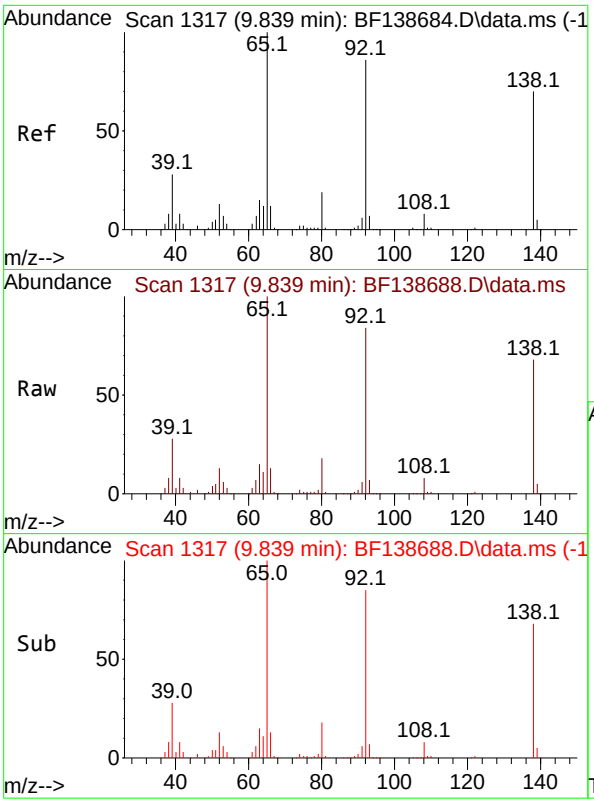


#52
Acenaphthene
Concen: 39.456 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:154 Resp: 359484

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.9	134.9
152	50.6	40.6	60.8



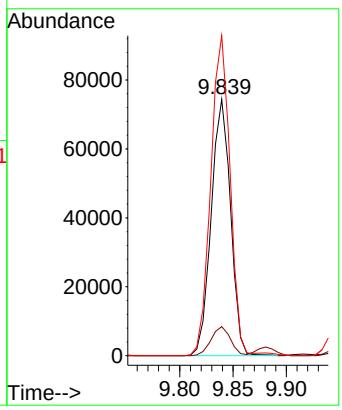


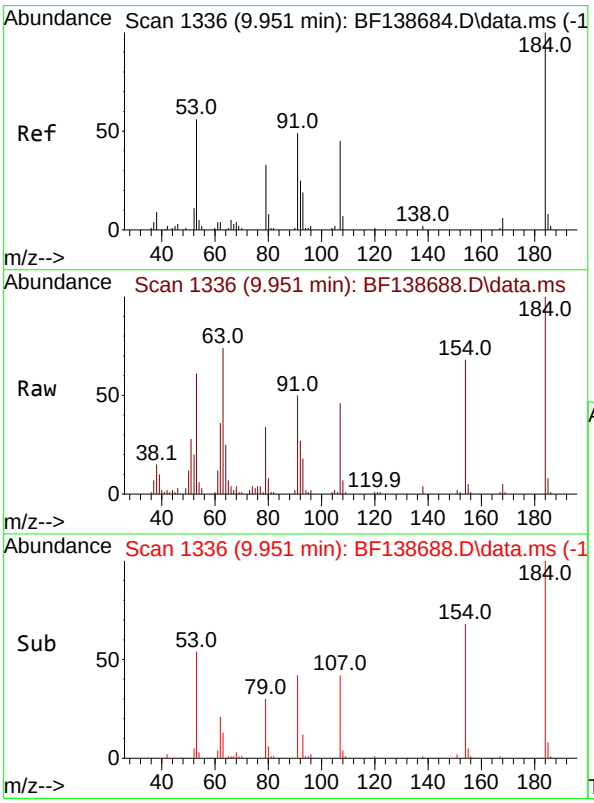
#53
3-Nitroaniline
Concen: 38.306 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:138 Resp: 93752

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.1	13.7
92	124.8	98.7	148.1

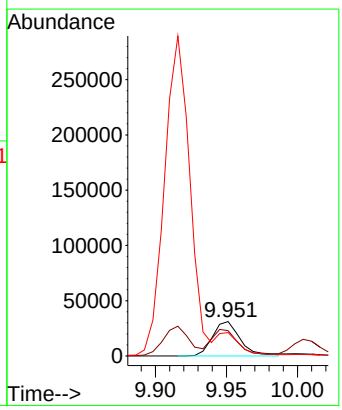


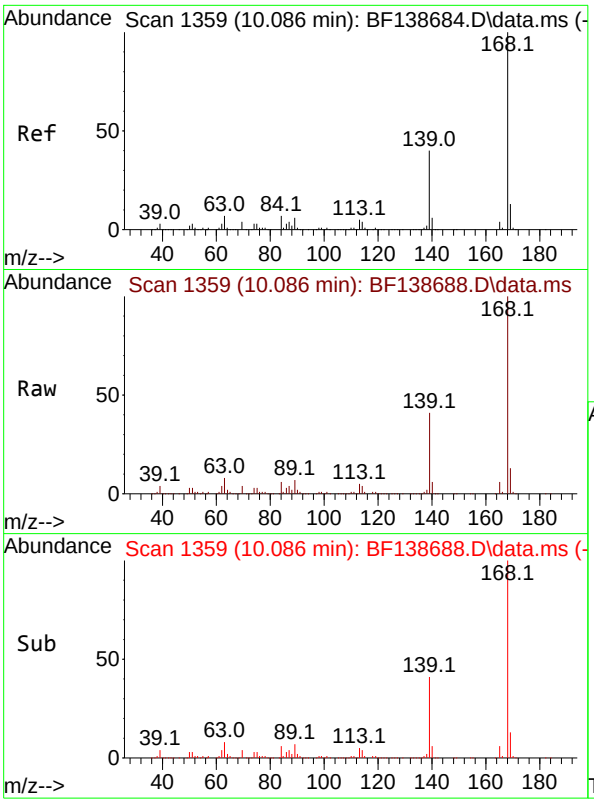


#54
2,4-Dinitrophenol
Concen: 39.106 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:184 Resp: 42619

Ion	Ratio	Lower	Upper
184	100		
63	73.7	57.5	86.3
154	67.8	51.7	77.5



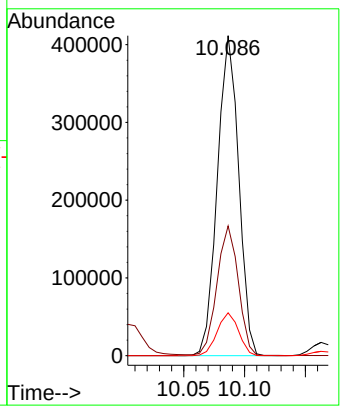


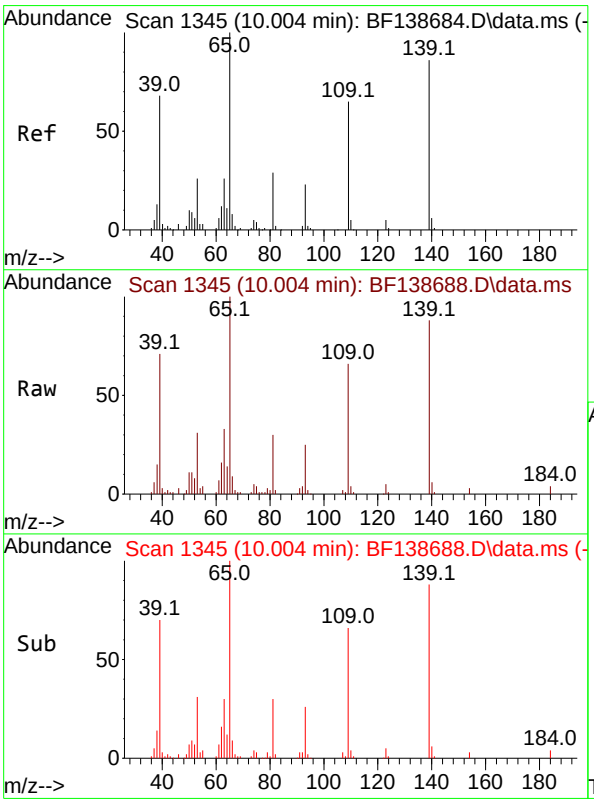
#55
Dibenzofuran
Concen: 38.997 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:168 Resp: 501545

Ion	Ratio	Lower	Upper
168	100		
139	40.5	32.6	49.0
169	13.4	10.7	16.1

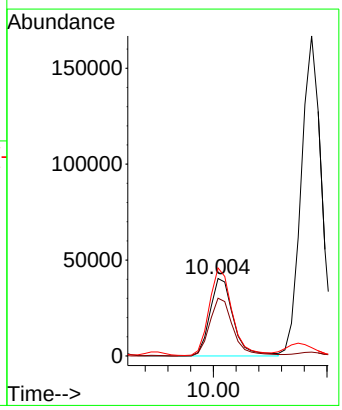


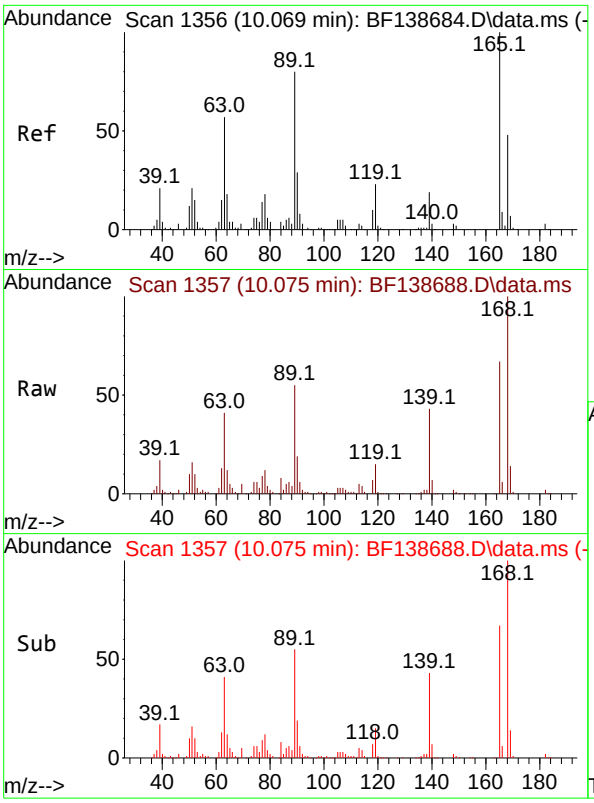


#56
4-Nitrophenol
Concen: 39.336 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:139 Resp: 57893

Ion	Ratio	Lower	Upper
139	100		
109	74.6	55.5	95.5
65	113.6	96.7	136.7



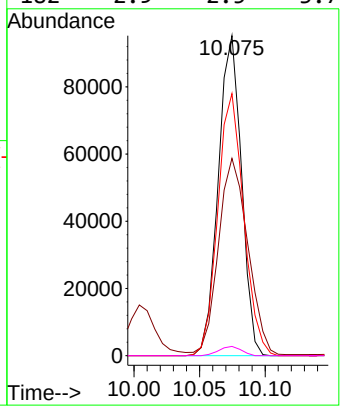


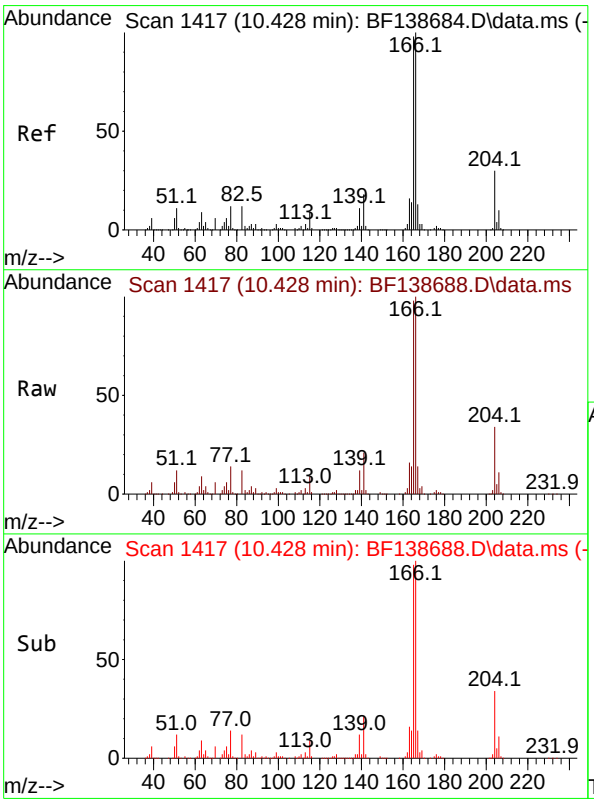
#57
2,4-Dinitrotoluene
Concen: 38.673 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:165 Resp: 116813

Ion	Ratio	Lower	Upper
165	100		
63	61.6	46.3	69.5
89	81.9	64.2	96.4
182	2.9	2.5	3.7

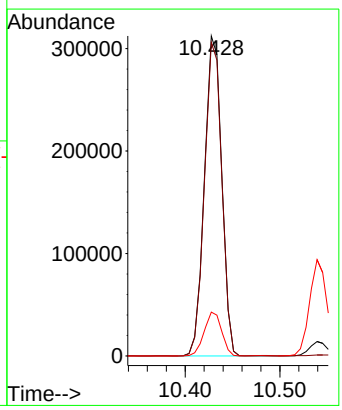


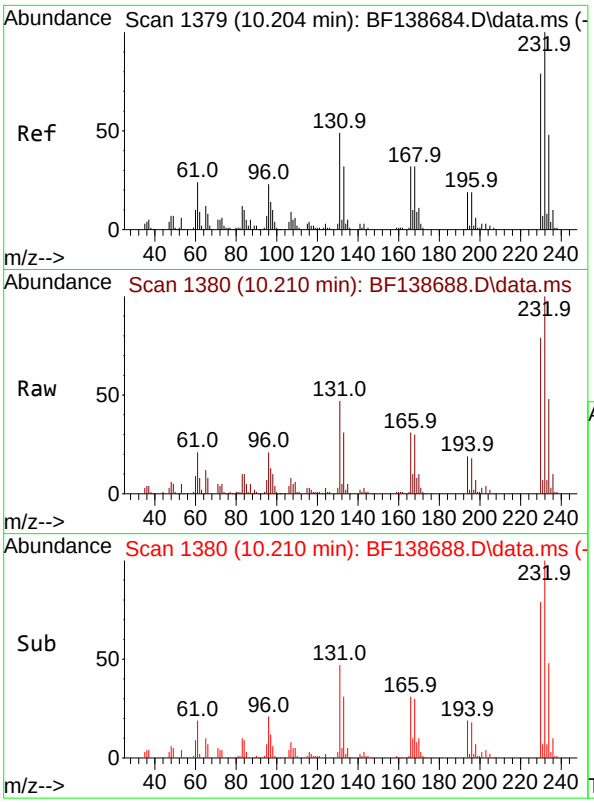


#58
Fluorene
Concen: 38.661 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:166 Resp: 395954

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.4	117.6
167	13.7	10.6	16.0



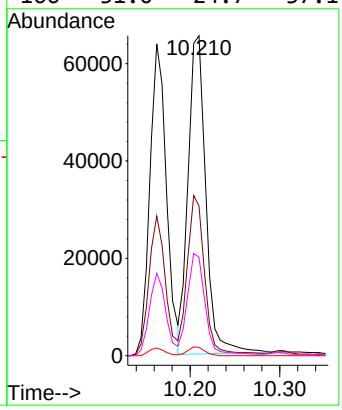


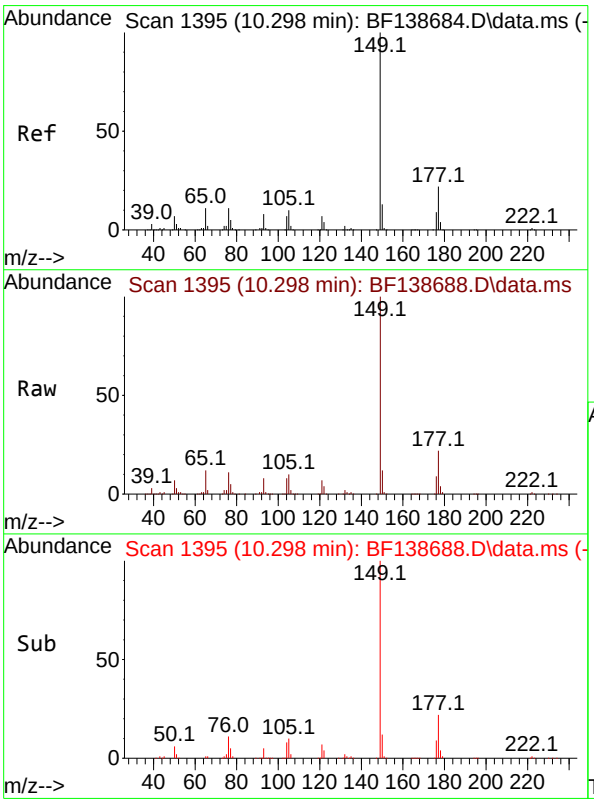
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.680 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:232 Resp: 89831

Ion	Ratio	Lower	Upper
232	100		
131	49.2	37.0	55.4
130	2.6	2.0	3.0
166	31.0	24.7	37.1

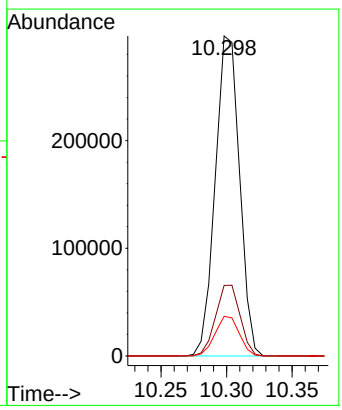


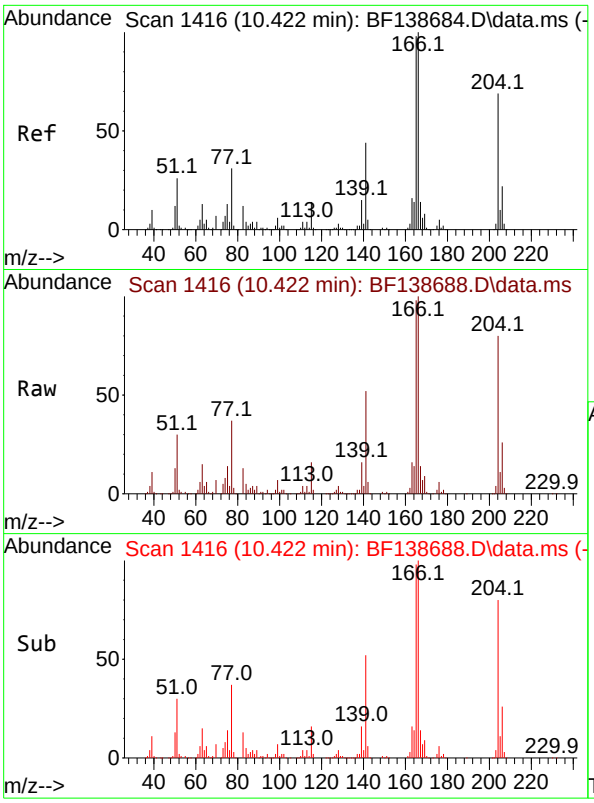


#60
Diethylphthalate
Concen: 38.447 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 382418

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.8	26.8
150	12.4	10.1	15.1



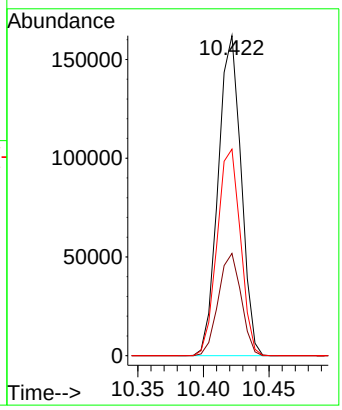


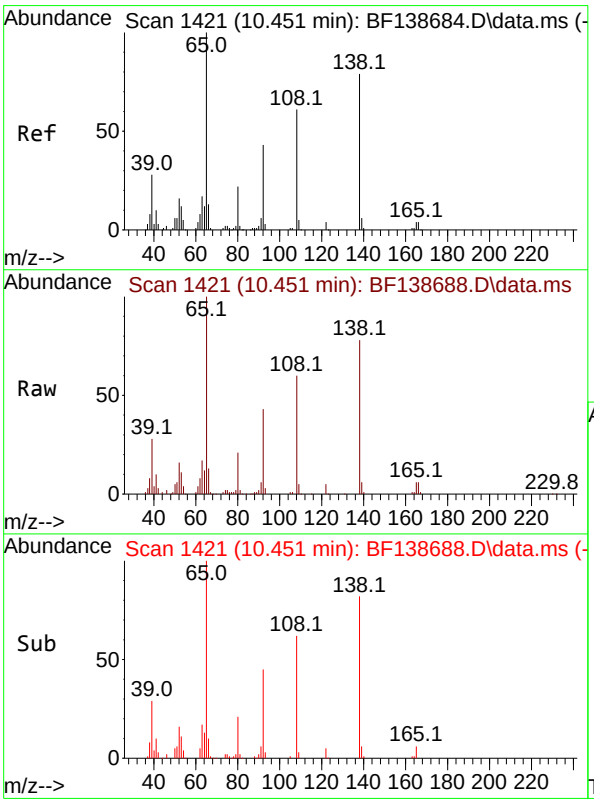
#61
4-Chlorophenyl-phenylether
Concen: 39.091 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:204 Resp: 196905

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.1	39.1
141	64.5	51.4	77.0

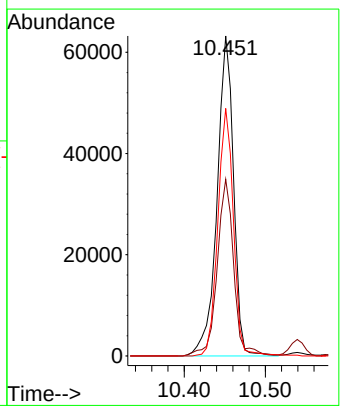


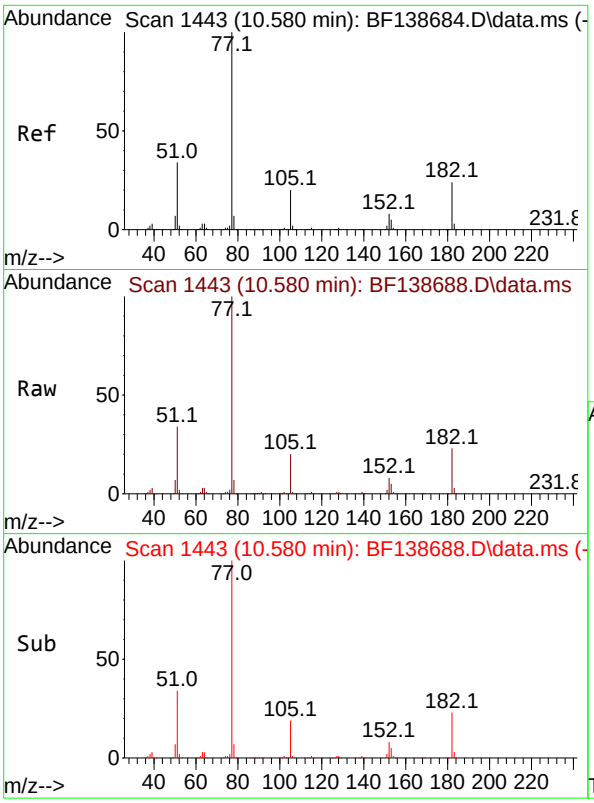


#62
4-Nitroaniline
Concen: 38.525 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:138 Resp: 89602

Ion	Ratio	Lower	Upper
138	100		
92	55.2	34.2	74.2
108	77.4	56.2	96.2



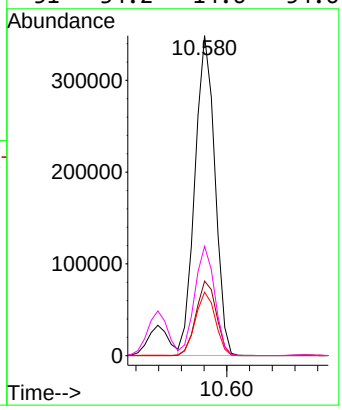


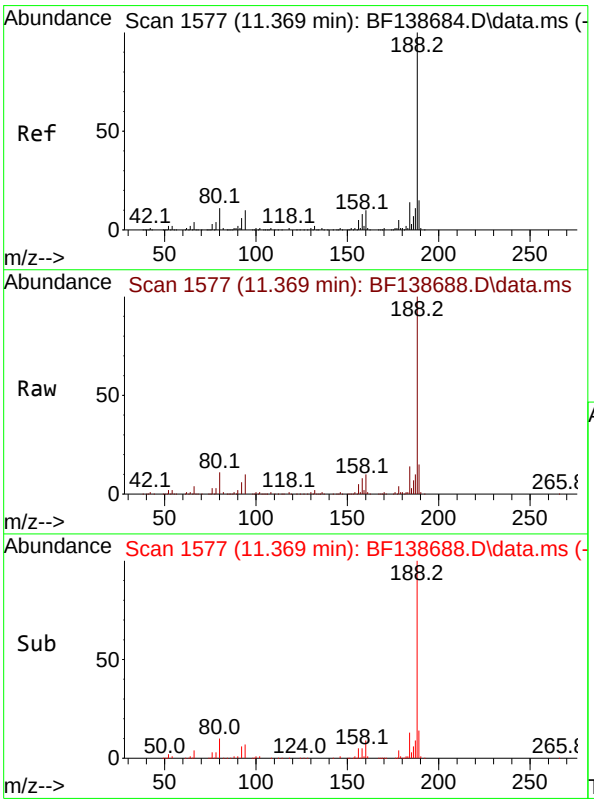
#63
Azobenzene
Concen: 38.622 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion: 77 Resp: 426075

Ion	Ratio	Lower	Upper
77	100		
182	23.3	3.4	43.4
105	19.9	0.2	40.2
51	34.2	14.6	54.6

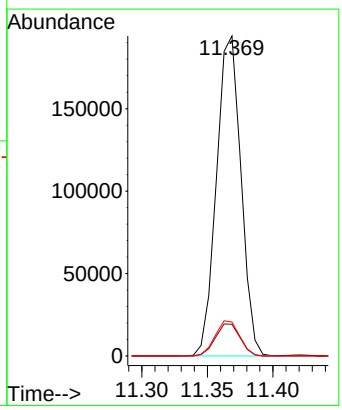


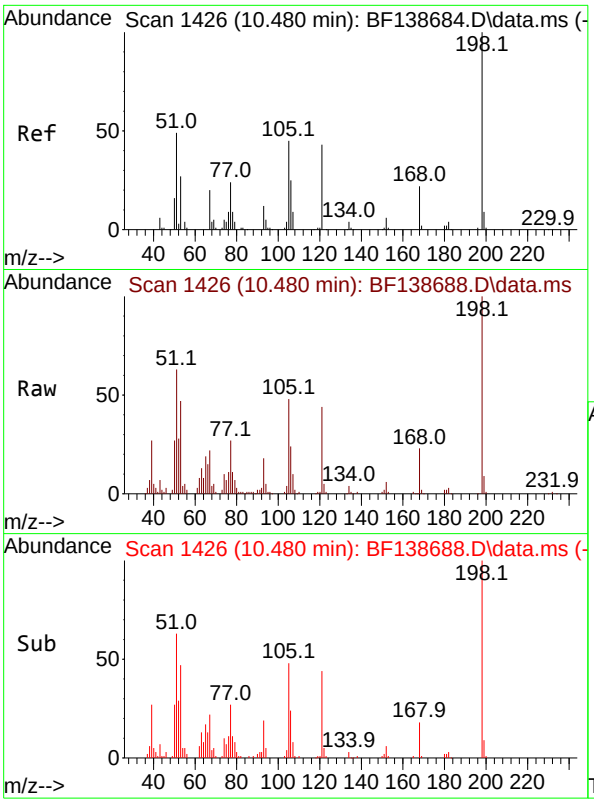


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:188 Resp: 252048

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.6	8.6	12.8



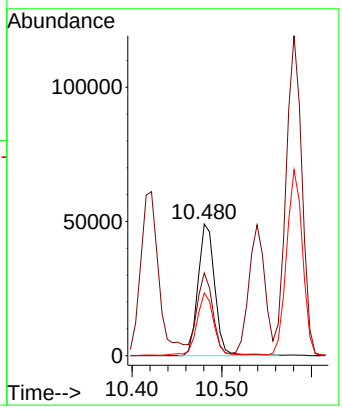


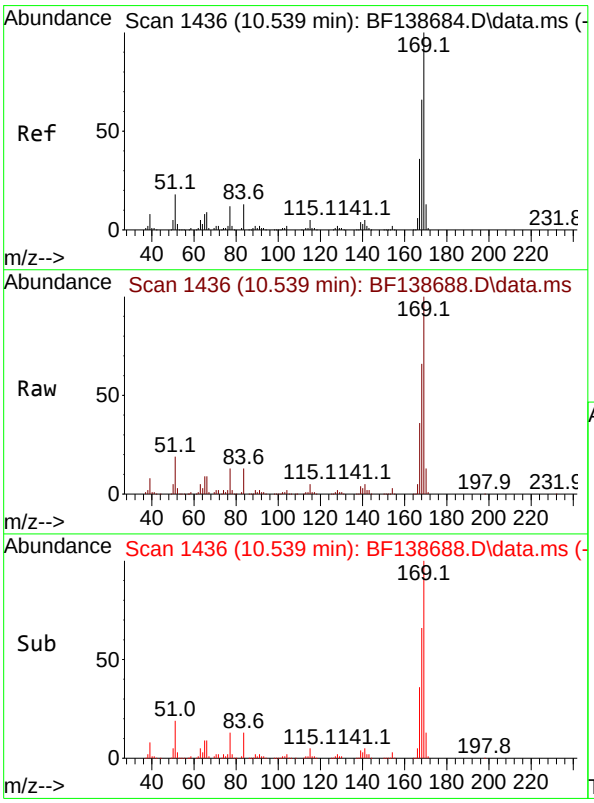
#65
4,6-Dinitro-2-methylphenol
Concen: 41.323 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:198 Resp: 63542

Ion	Ratio	Lower	Upper
198	100		
51	62.8	39.9	79.9
105	47.6	26.1	66.1

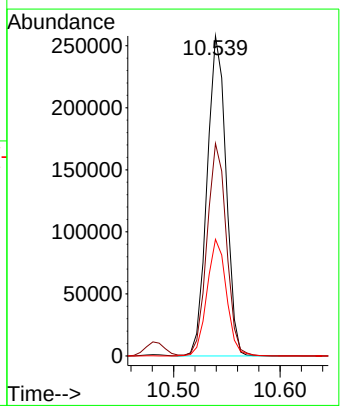


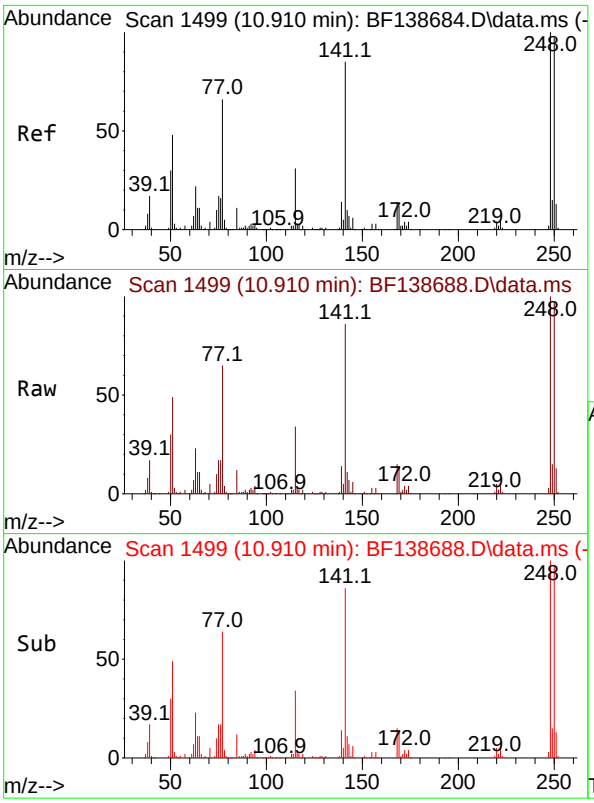


#66
n-Nitrosodiphenylamine
Concen: 40.561 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:169 Resp: 319562

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	36.5	29.0	43.6



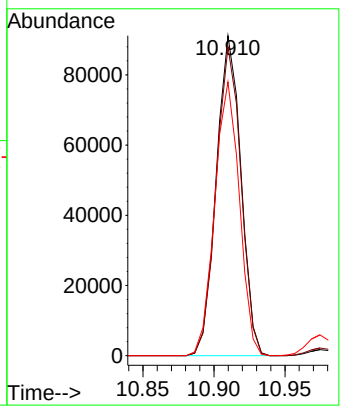


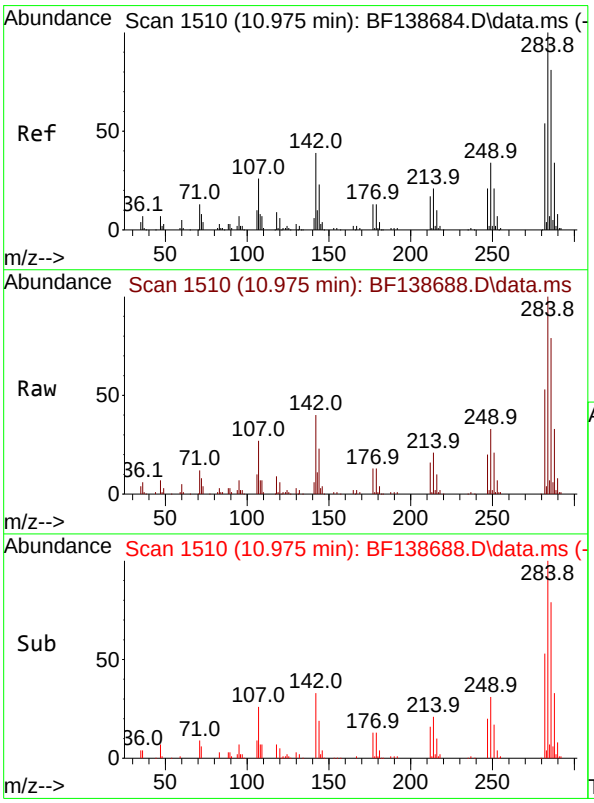
#67
4-Bromophenyl-phenylether
Concen: 40.390 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:248 Resp: 110219

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	85.6	68.0	102.0

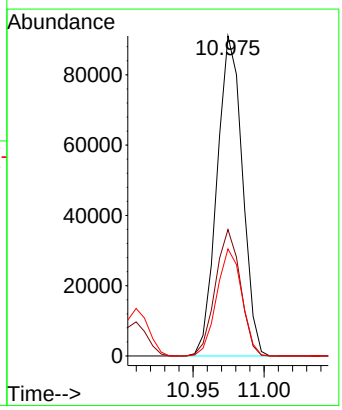


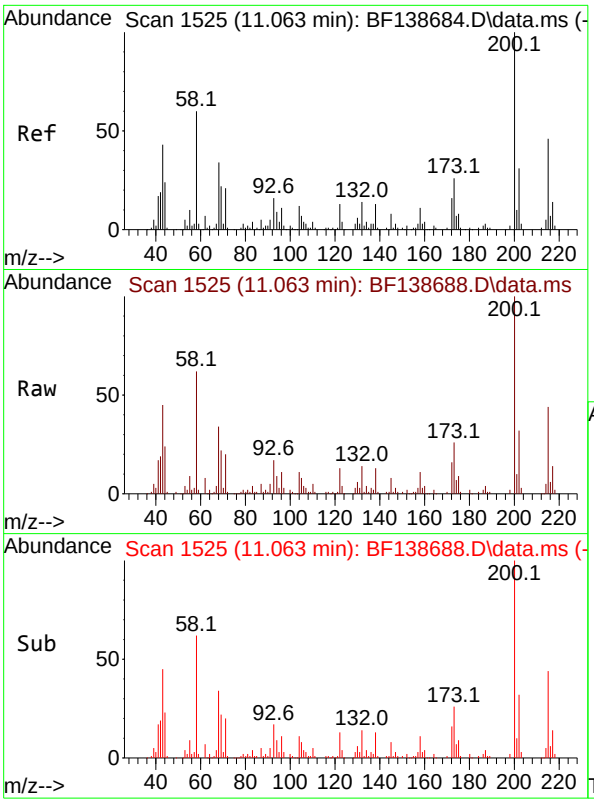


#68
Hexachlorobenzene
Concen: 40.147 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:284 Resp: 113117

Ion	Ratio	Lower	Upper
284	100		
142	39.5	31.3	46.9
249	33.5	27.2	40.8



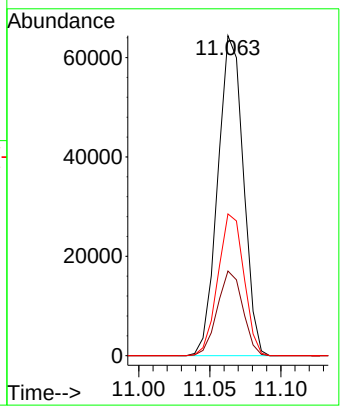


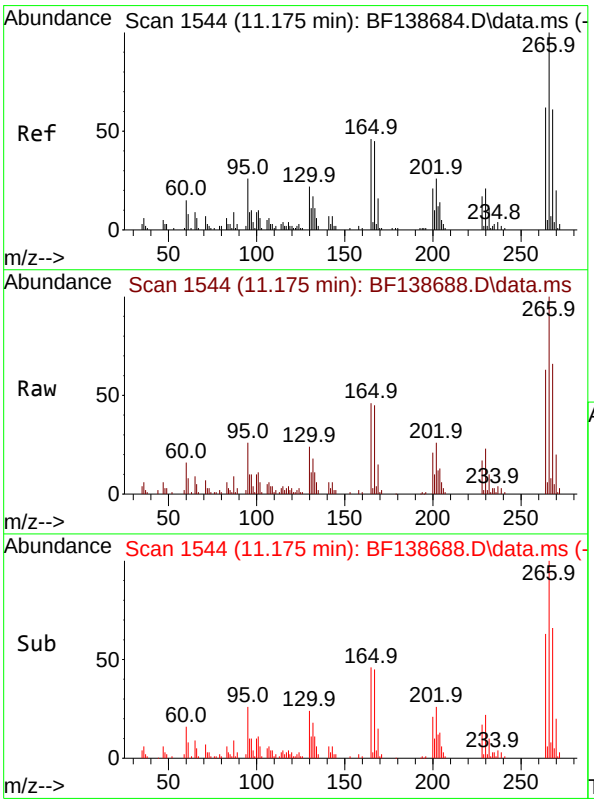
#69
Atrazine
Concen: 39.654 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:200 Resp: 80604

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.0	46.0
215	44.3	26.1	66.1

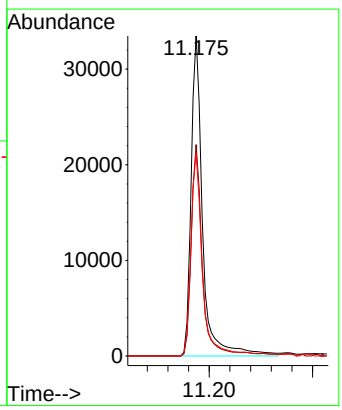


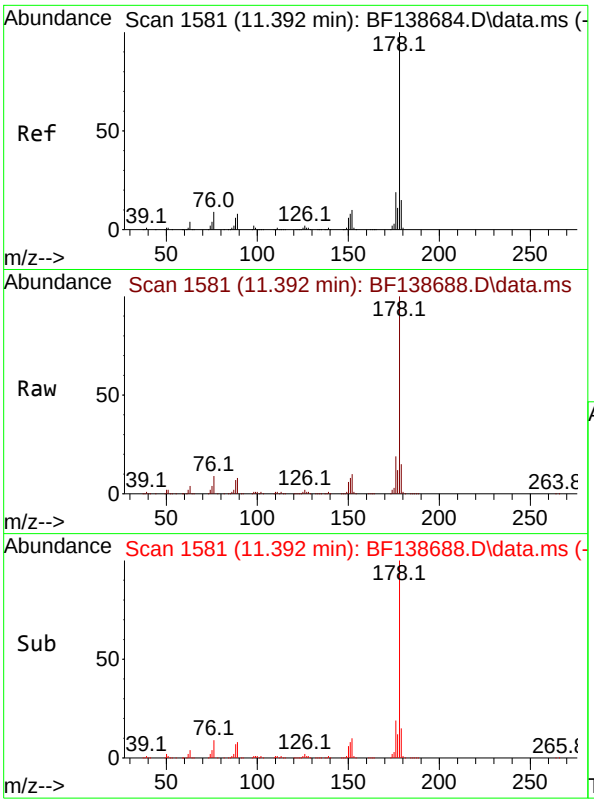


#70
Pentachlorophenol
Concen: 40.788 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:266 Resp: 51801

Ion	Ratio	Lower	Upper
266	100		
268	66.0	49.2	73.8
264	63.4	49.8	74.6



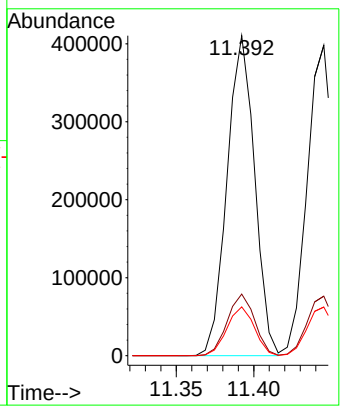


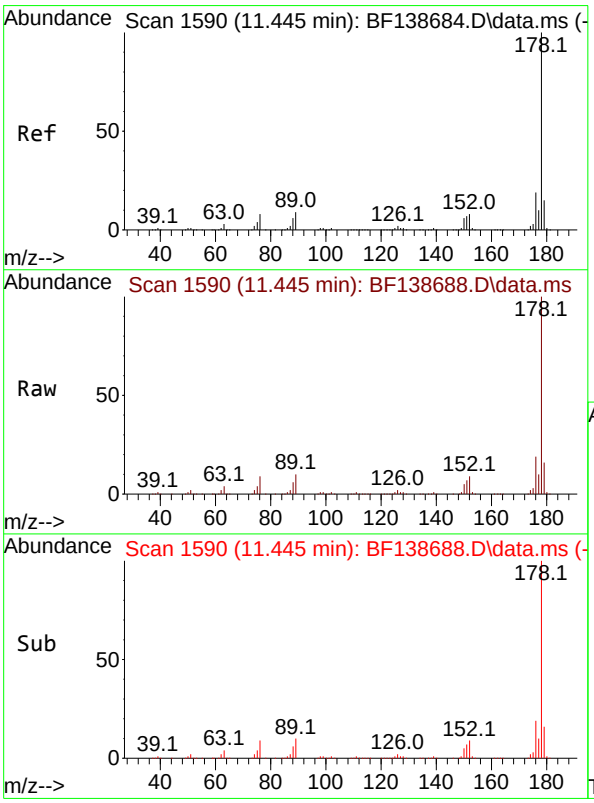
#71
Phenanthrene
Concen: 39.036 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:178 Resp: 506626

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.2	18.2

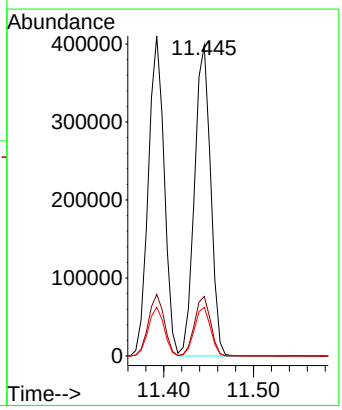


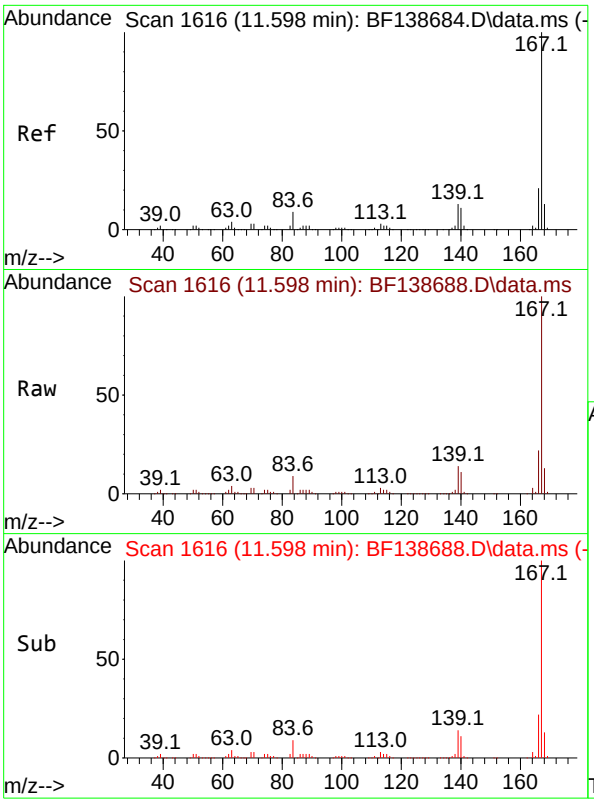


#72
Anthracene
Concen: 38.817 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:178 Resp: 496297

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.7	12.4	18.6



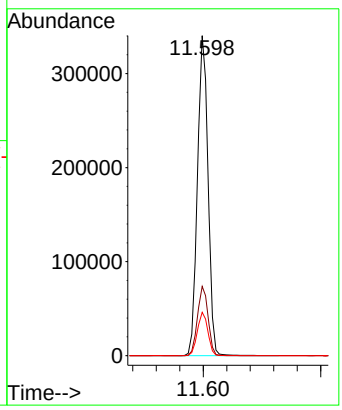


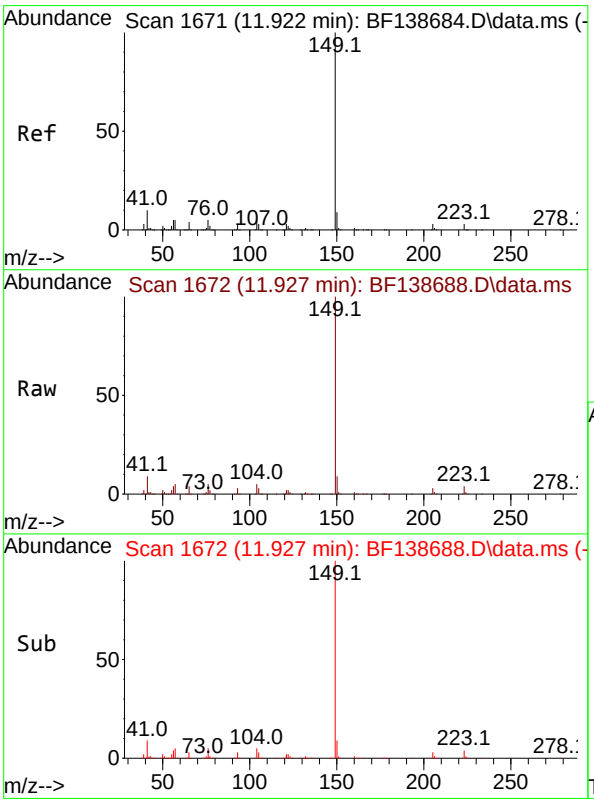
#73
Carbazole
Concen: 38.546 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:167 Resp: 425187

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	13.6	10.6	16.0

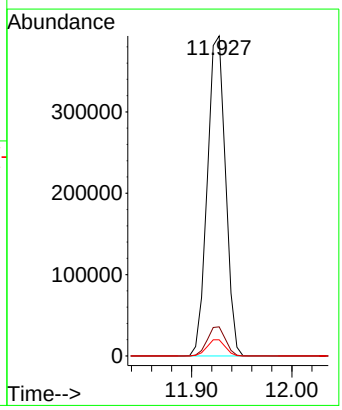


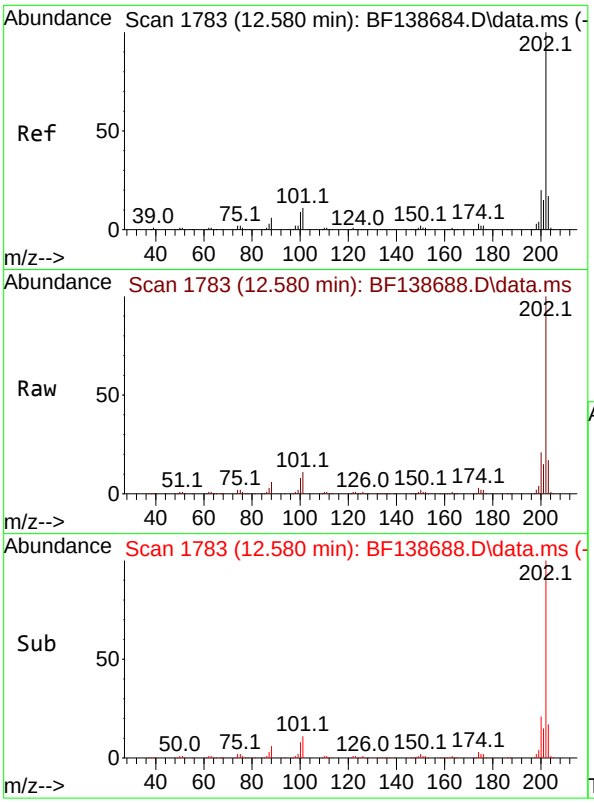


#74
Di-n-butylphthalate
Concen: 40.010 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 496140

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.1	6.1



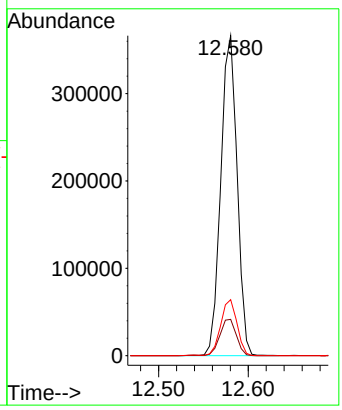


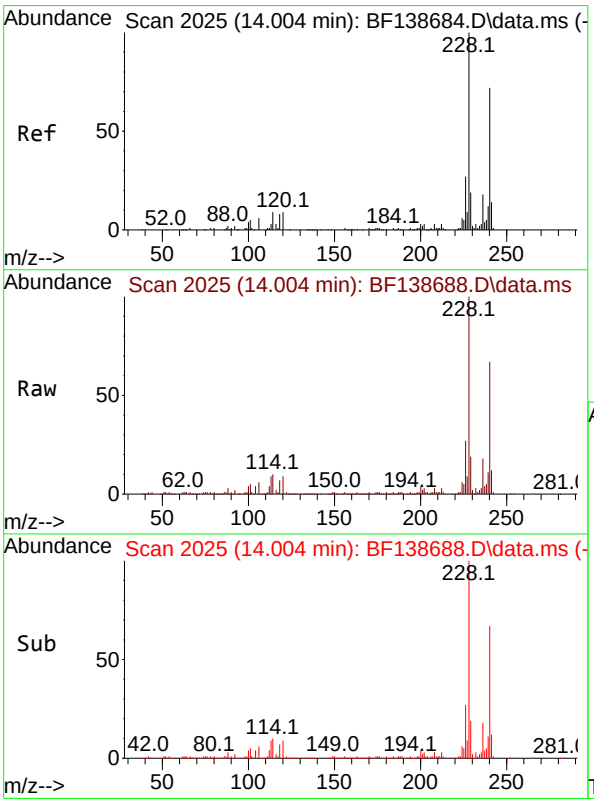
#75
Fluoranthene
Concen: 38.250 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:202 Resp: 463445

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.2
203	17.5	0.0	37.3

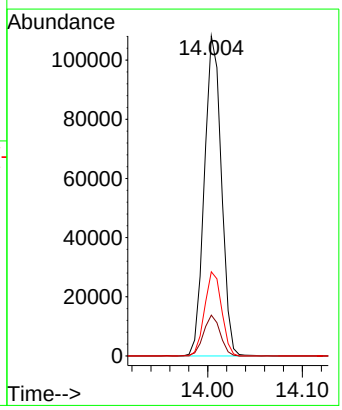


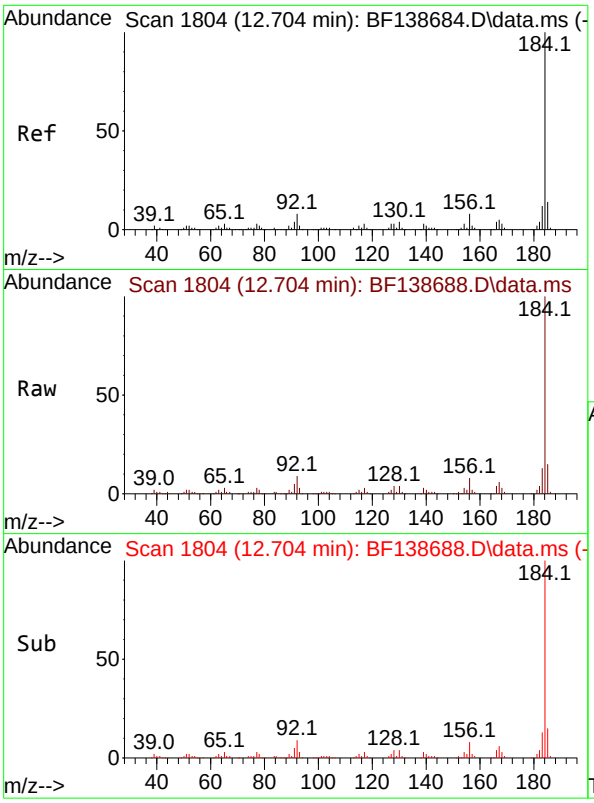


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:240 Resp: 134464

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.2	15.4
236	26.3	19.8	29.8



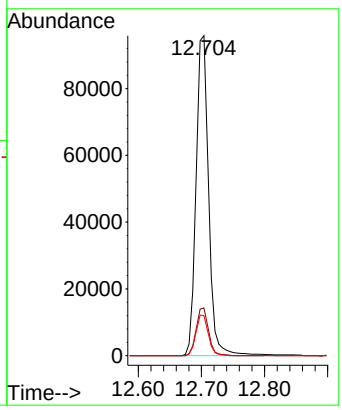


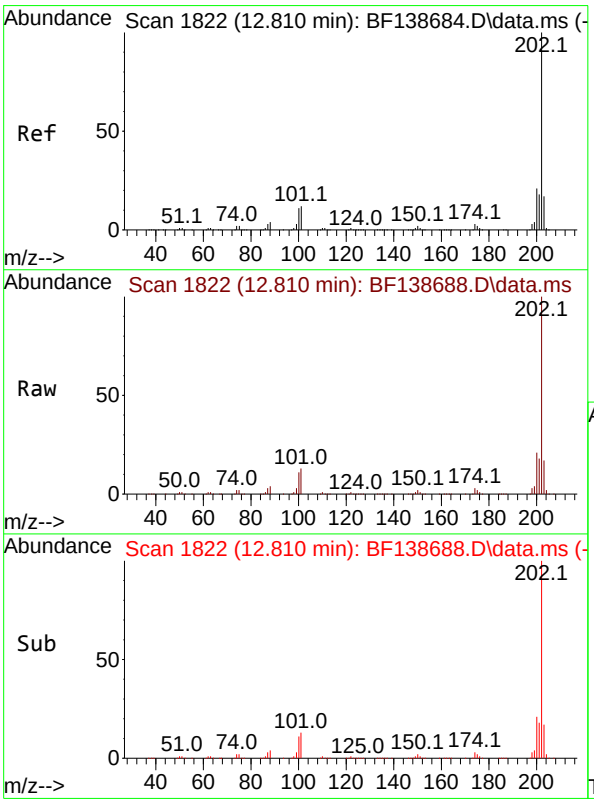
#77
Benzidine
Concen: 41.166 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:184 Resp: 132396

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.1	16.7
183	12.5	9.6	14.4

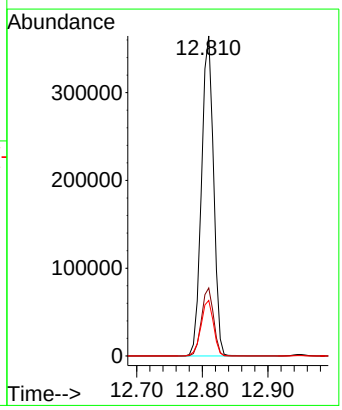


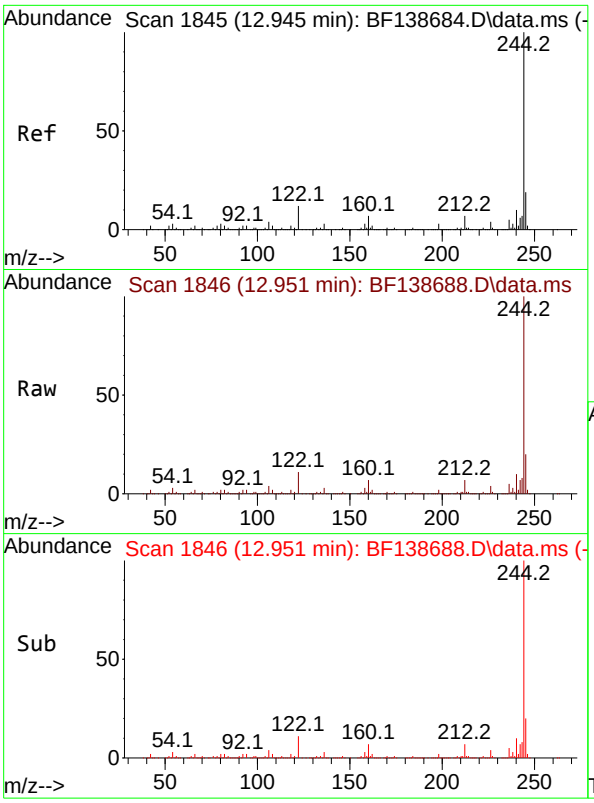


#78
Pyrene
Concen: 36.907 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:202 Resp: 467254

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.3	13.8	20.6



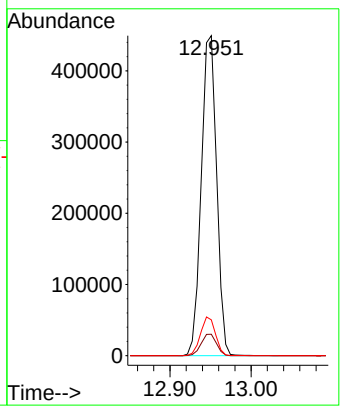


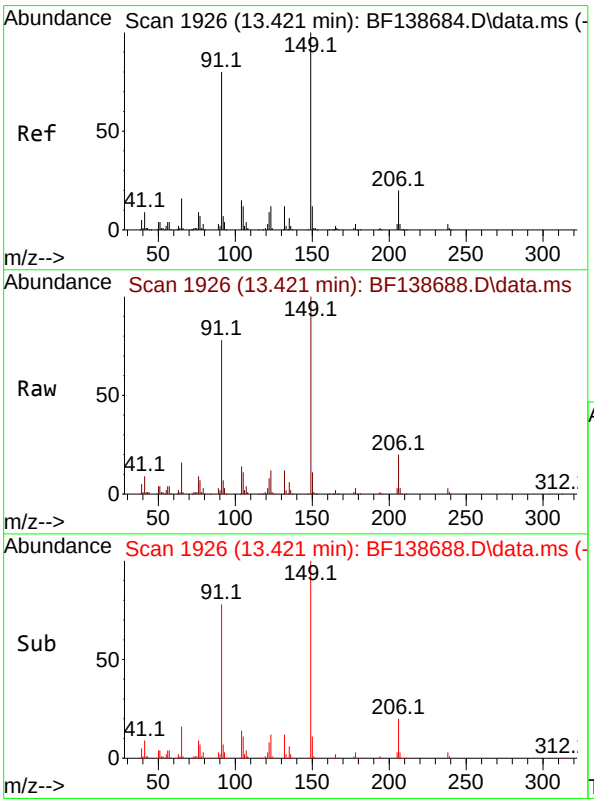
#79
Terphenyl-d14
Concen: 73.396 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:244 Resp: 589459

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.2	9.6	14.4

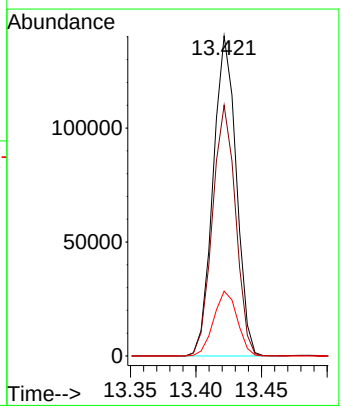


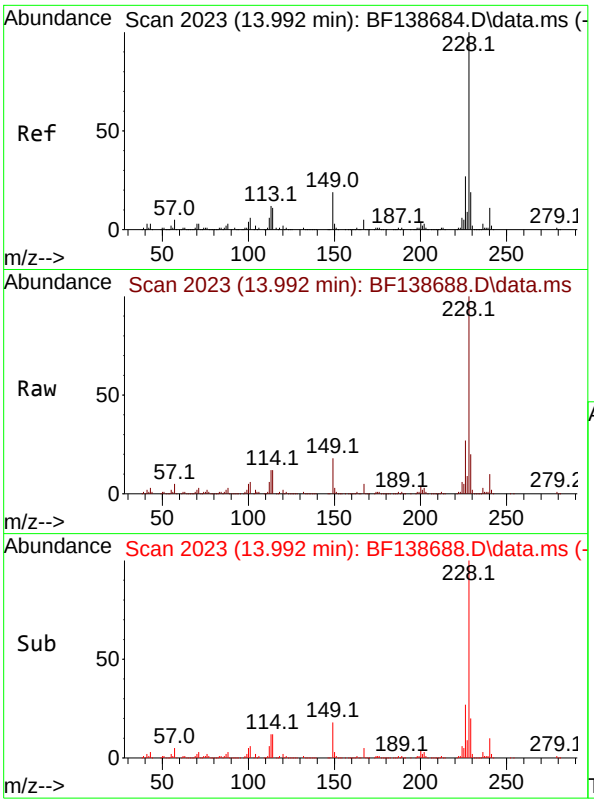


#80
Butylbenzylphthalate
Concen: 42.425 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 171996

Ion	Ratio	Lower	Upper
149	100		
91	78.3	63.7	95.5
206	20.3	16.2	24.2



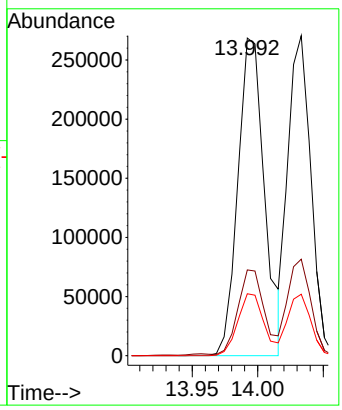


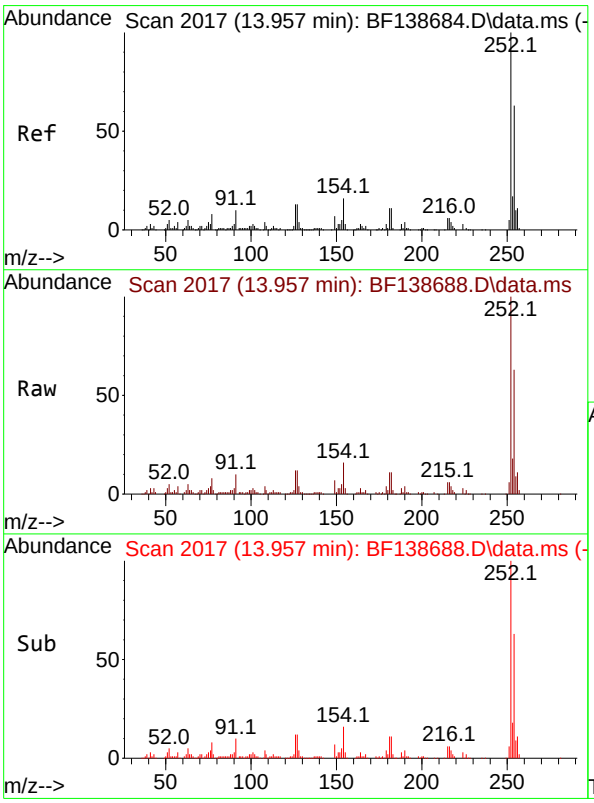
#81
Benzo(a)anthracene
Concen: 40.994 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:228 Resp: 379585

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.1	33.1
229	19.5	15.4	23.0

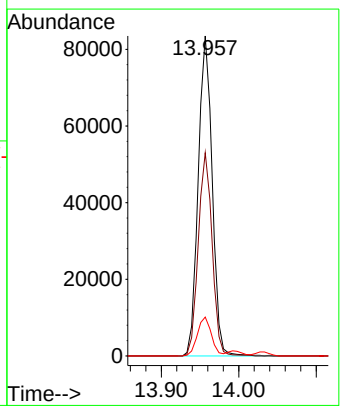


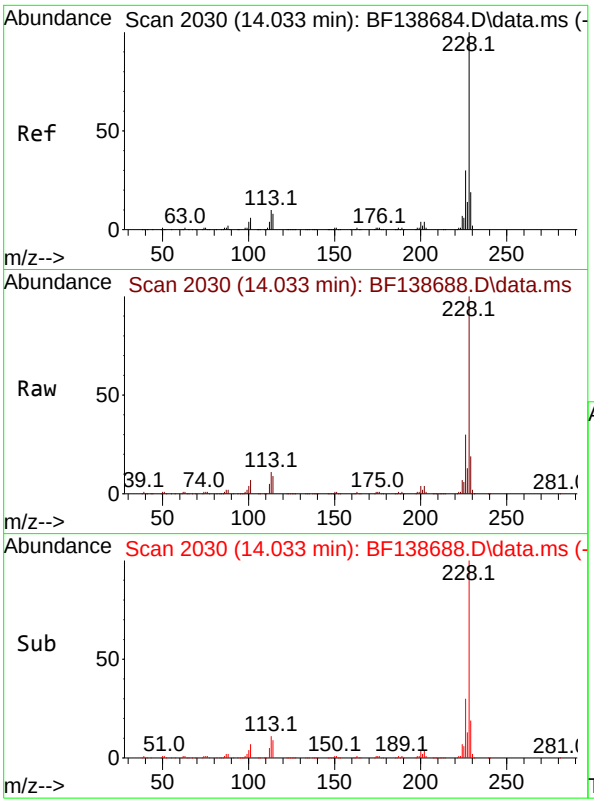


#82
3,3'-Dichlorobenzidine
Concen: 44.160 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:252 Resp: 104638

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	12.1	10.2	15.2



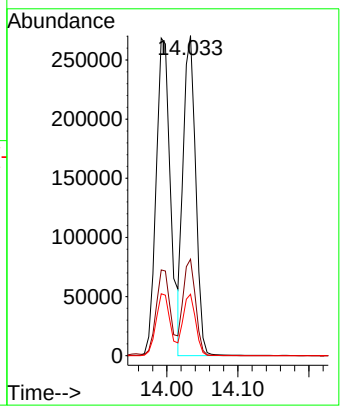


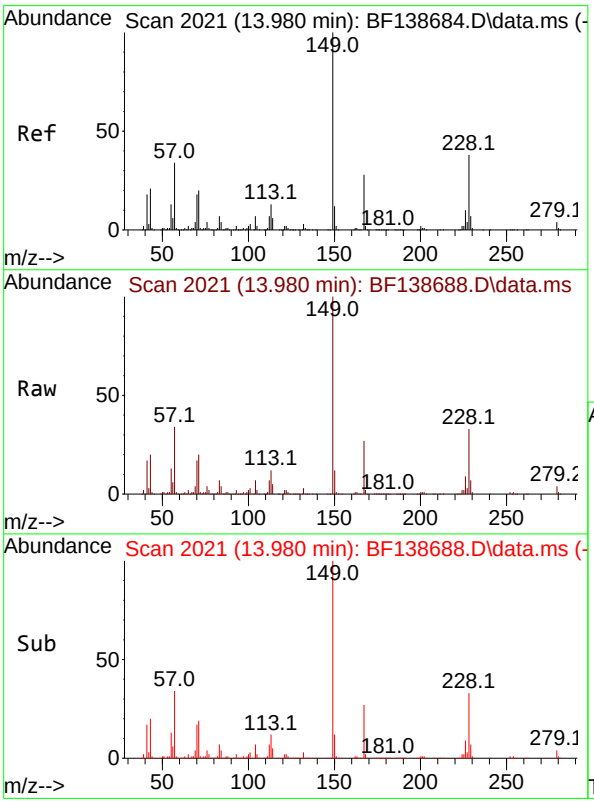
#83
Chrysene
Concen: 39.308 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:228 Resp: 328373

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	19.2	15.0	22.6

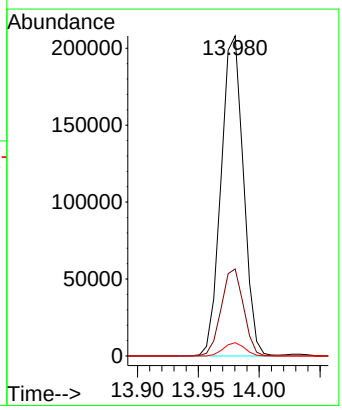


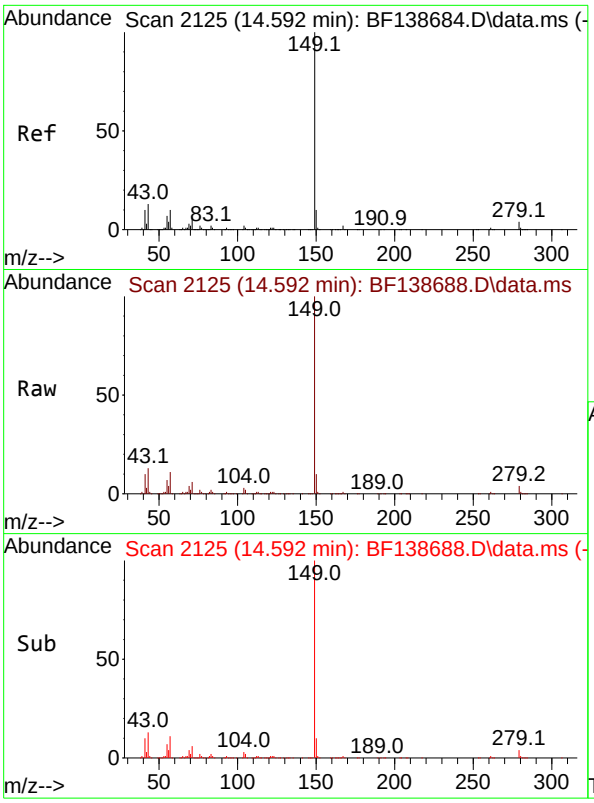


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.921 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:149 Resp: 266678

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.2	33.4
279	4.2	3.4	5.0



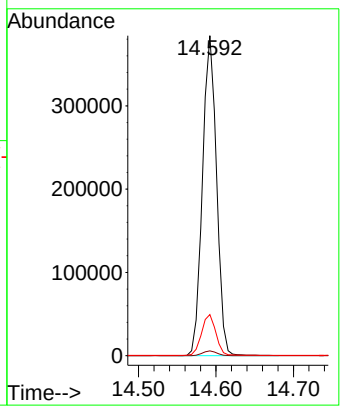


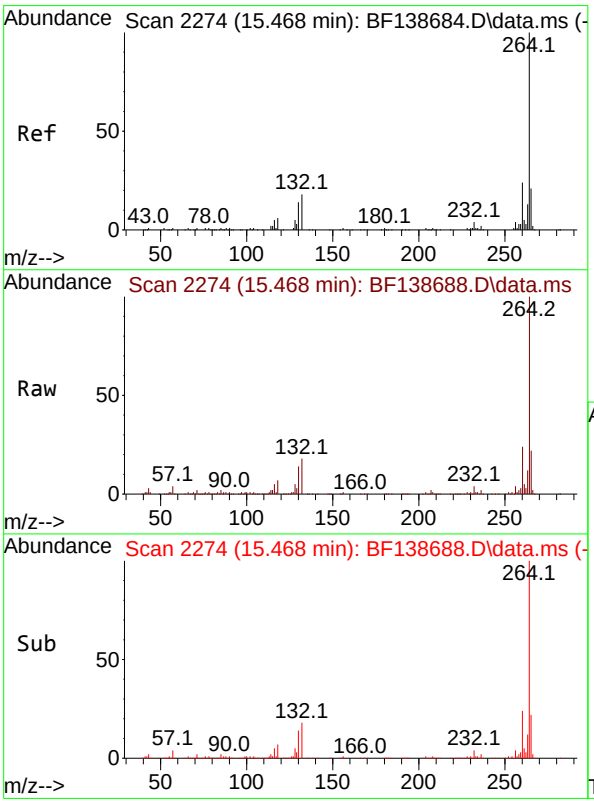
#85
Di-n-octyl phthalate
Concen: 44.183 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:149 Resp: 485296

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	13.0	10.4	15.6

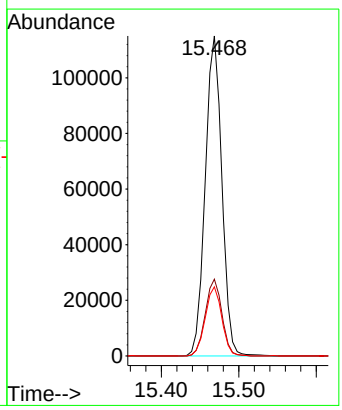


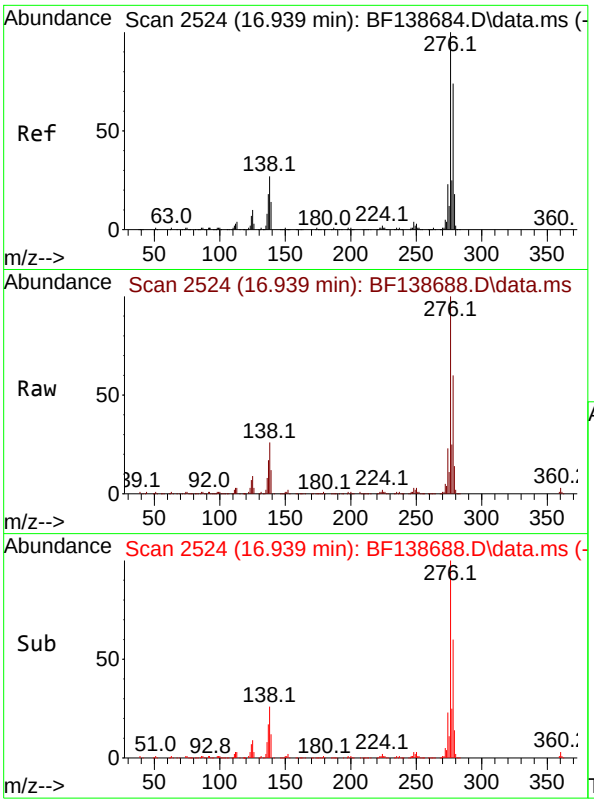


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:264 Resp: 171097

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.6	17.0	25.6



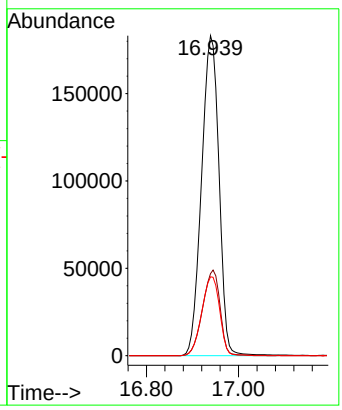


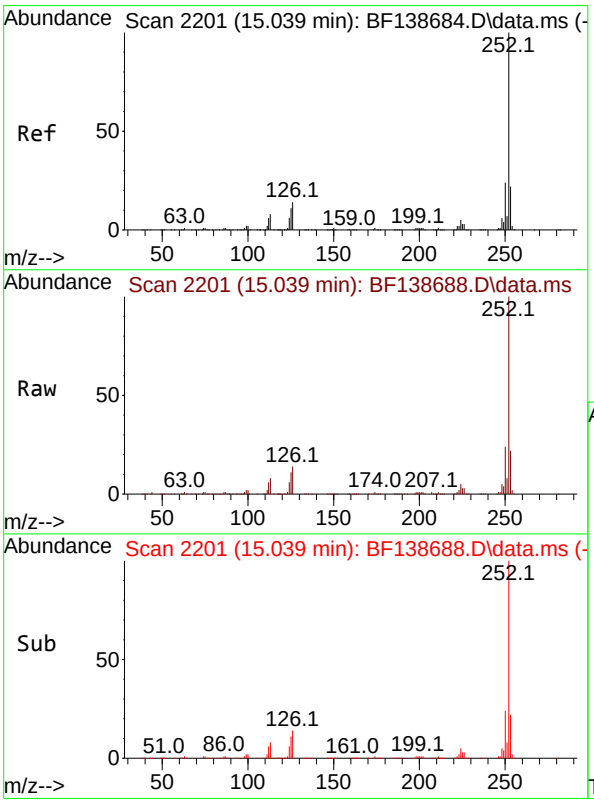
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.463 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:276 Resp: 483878

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.8
277	25.2	20.6	30.8

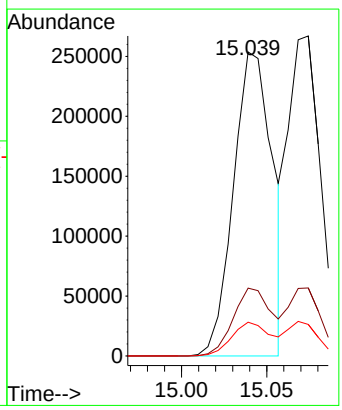


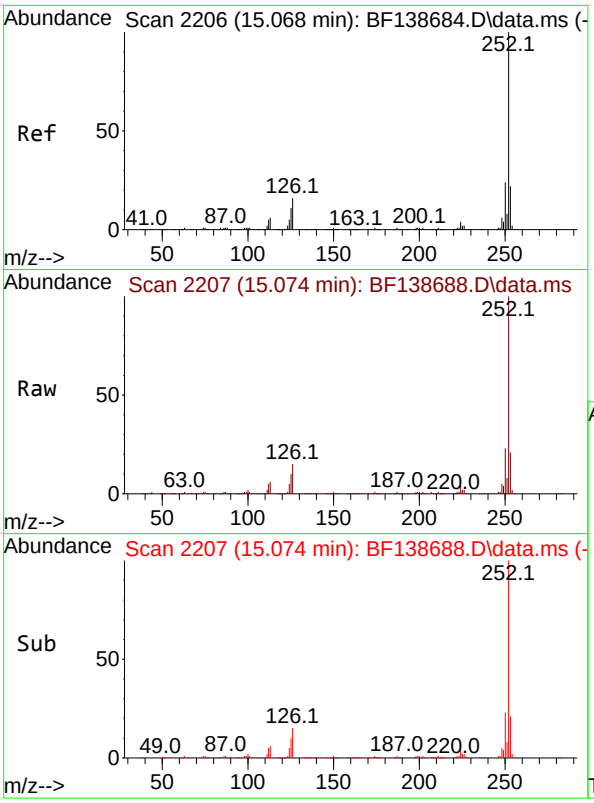


#88
Benzo(b)fluoranthene
Concen: 38.172 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:252 Resp: 404868

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.1	8.9	13.3



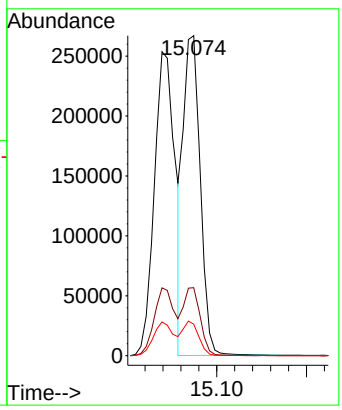


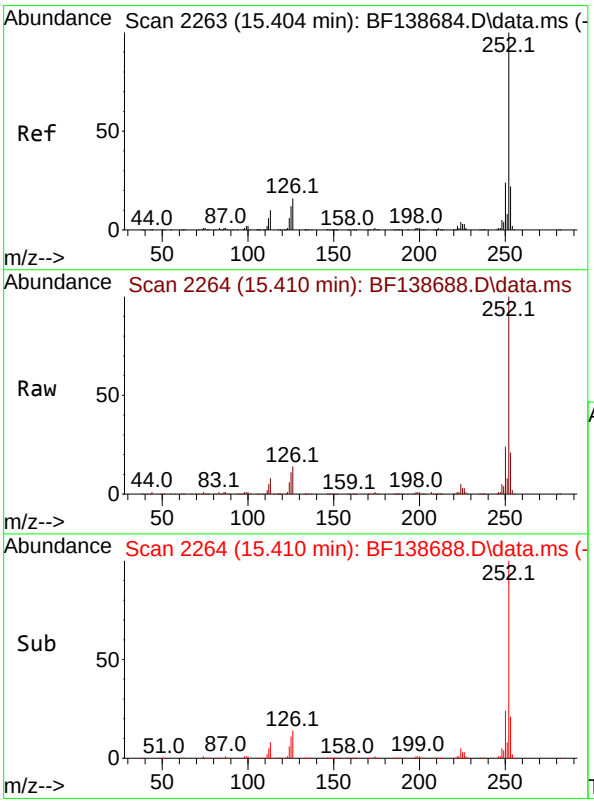
#89
Benzo(k)fluoranthene
Concen: 38.430 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:252 Resp: 352910

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	9.9	8.6	13.0

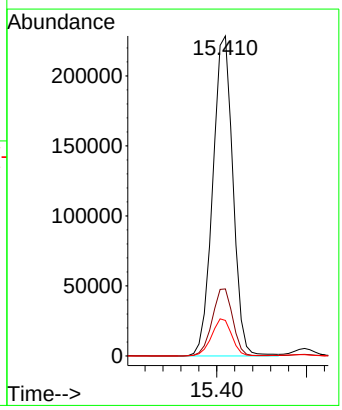


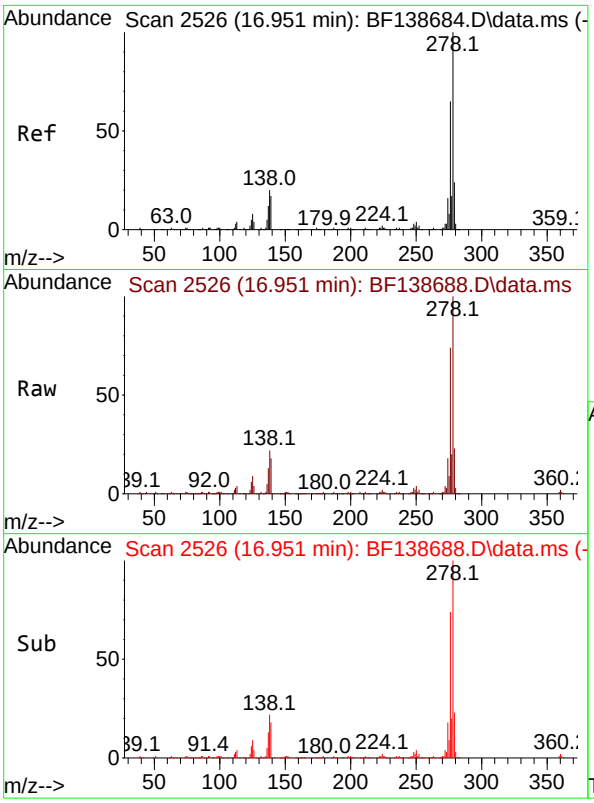


#90
Benzo(a)pyrene
Concen: 39.920 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:252 Resp: 356148

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	11.1	9.5	14.3



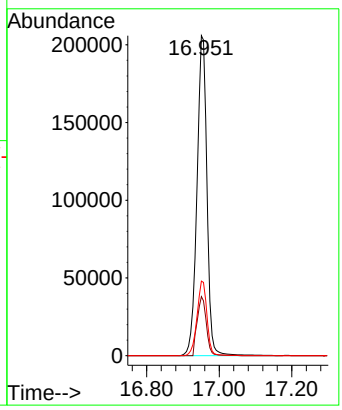


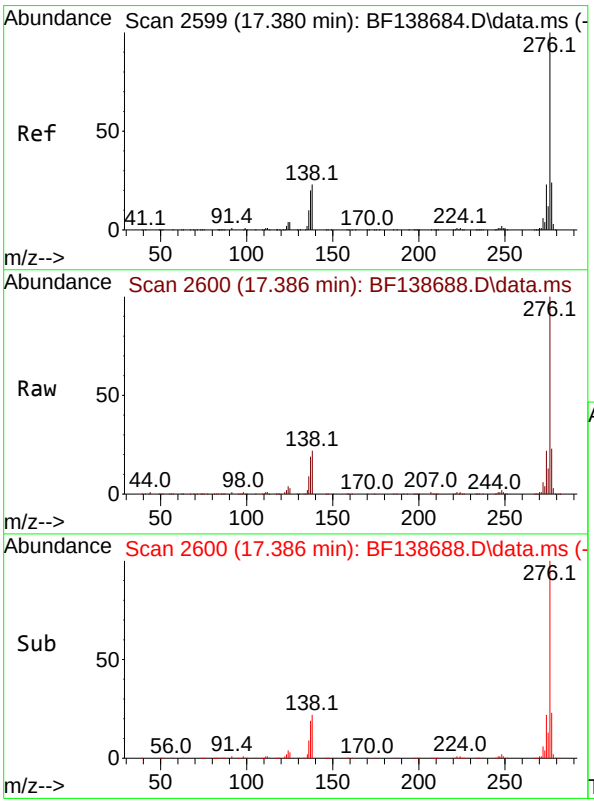
#91
Dibenzo(a,h)anthracene
Concen: 39.089 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:278 Resp: 393430

Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.0	21.0
279	23.3	19.0	28.4

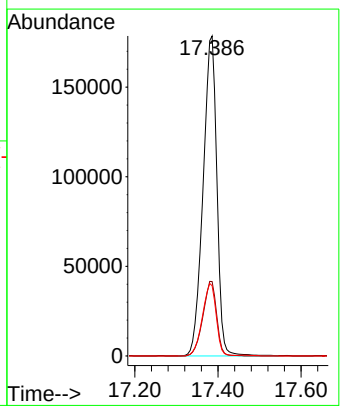




#92
Benzo(g,h,i)perylene
Concen: 39.457 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:276 Resp: 412115

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	22.0	18.5	27.7



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
2		1,4-Dioxane	0.567	0.565	0.4	111	0.00
3		Pyridine	1.374	1.390	-1.2	113	0.00
4		n-Nitrosodimethylamine	0.818	0.806	1.5	112	0.01
5	S	2-Fluorophenol	1.296	1.266	2.3	112	0.00
6		Aniline	1.551	1.559	-0.5	115	0.00
7	S	Phenol-d6	1.740	1.687	3.0	113	0.00
8		2-Chlorophenol	1.363	1.326	2.7	113	0.00
9		Benzaldehyde	1.043	0.988	5.3	123	0.00
10	C	Phenol	1.832	1.753	4.3	111	0.00
11		bis(2-Chloroethyl)ether	1.409	1.354	3.9	112	0.00
12		1,3-Dichlorobenzene	1.526	1.476	3.3	113	0.00
13	C	1,4-Dichlorobenzene	1.540	1.489	3.3	112	0.00
14		1,2-Dichlorobenzene	1.439	1.385	3.8	111	0.00
15		Benzyl Alcohol	1.254	1.226	2.2	114	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.312	4.7	111	0.00
17		2-Methylphenol	1.126	1.088	3.4	111	0.00
18		Hexachloroethane	0.580	0.571	1.6	113	0.00
19	P	n-Nitroso-di-n-propylamine	1.051	0.983	6.5	112	0.00
20		3+4-Methylphenols	1.444	1.352	6.4	112	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	112	0.00
22		Acetophenone	0.490	0.479	2.2	112	0.00
23	S	Nitrobenzene-d5	0.409	0.411	-0.5	114	0.00
24		Nitrobenzene	0.416	0.415	0.2	112	0.00
25		Isophorone	0.699	0.686	1.9	113	0.00
26	C	2-Nitrophenol	0.179	0.182	-1.7	111	0.00
27		2,4-Dimethylphenol	0.214	0.216	-0.9	113	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.421	0.9	113	0.00
29	C	2,4-Dichlorophenol	0.275	0.279	-1.5	114	0.00
30		1,2,4-Trichlorobenzene	0.318	0.315	0.9	112	0.00
31		Naphthalene	1.053	1.033	1.9	111	0.00
32		Benzoic acid	0.168	0.175	-4.2	118	0.01
33		4-Chloroaniline	0.353	0.354	-0.3	115	0.00
34	C	Hexachlorobutadiene	0.192	0.196	-2.1	116	0.00
35		Caprolactam	0.082	0.079	3.7	113	0.00
36	C	4-Chloro-3-methylphenol	0.315	0.308	2.2	113	0.00
37		2-Methylnaphthalene	0.665	0.646	2.9	112	0.00
38		1-Methylnaphthalene	0.652	0.630	3.4	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.563	-1.3	114	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.142	-18.3	125	0.00
42	S	2,4,6-Tribromophenol	0.164	0.159	3.0	111	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.342	-0.9	114	0.00
44		2,4,5-Trichlorophenol	0.370	0.380	-2.7	115	0.00
45	S	2-Fluorobiphenyl	1.331	1.306	1.9	112	0.00
46		1,1'-Biphenyl	1.566	1.572	-0.4	114	0.00
47		2-Chloronaphthalene	1.165	1.164	0.1	113	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	0.395	0.390	1.3	112	0.00
49		Acenaphthylene	1.652	1.632	1.2	111	0.00
50		Dimethylphthalate	1.279	1.230	3.8	112	0.00
51		2,6-Dinitrotoluene	0.289	0.288	0.3	112	0.00
52	C	Acenaphthene	1.111	1.096	1.4	113	0.00
53		3-Nitroaniline	0.298	0.286	4.0	111	0.00
54	P	2,4-Dinitrophenol	0.133	0.130	2.3	114	0.00
55		Dibenzofuran	1.568	1.529	2.5	113	0.00
56	P	4-Nitrophenol	0.179	0.176	1.7	113	0.00
57		2,4-Dinitrotoluene	0.368	0.356	3.3	110	0.00
58		Fluorene	1.249	1.207	3.4	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.274	3.2	112	0.00
60		Diethylphthalate	1.213	1.165	4.0	113	0.00
61		4-Chlorophenyl-phenylether	0.614	0.600	2.3	114	0.00
62		4-Nitroaniline	0.284	0.273	3.9	112	0.00
63		Azobenzene	1.345	1.299	3.4	112	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.122	0.126	-3.3	112	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.634	-1.4	111	0.00
67		4-Bromophenyl-phenylether	0.217	0.219	-0.9	112	0.00
68		Hexachlorobenzene	0.224	0.224	0.0	113	0.00
69		Atrazine	0.161	0.160	0.6	109	0.00
70	C	Pentachlorophenol	0.101	0.103	-2.0	111	0.00
71		Phenanthrene	1.030	1.005	2.4	109	0.00
72		Anthracene	1.015	0.985	3.0	109	0.00
73		Carbazole	0.875	0.843	3.7	107	0.00
74		Di-n-butylphthalate	0.984	0.984	0.0	110	0.00
75	C	Fluoranthene	0.961	0.919	4.4	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.478	0.492	-2.9	98	0.00
78		Pyrene	1.883	1.737	7.8	106	0.00
79	S	Terphenyl-d14	1.195	1.096	8.3	106	0.00
80		Butylbenzylphthalate	0.603	0.640	-6.1	109	0.00
81		Benzo(a)anthracene	1.377	1.411	-2.5	108	0.00
82		3,3'-Dichlorobenzidine	0.352	0.389	-10.5	116	0.00
83		Chrysene	1.243	1.221	1.8	107	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.992	-12.3	112	0.00
85	c	Di-n-octyl phthalate	1.634	1.805	-10.5	111	0.00
86	I	Perylene-d12	1.000	1.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.414	1.3	114	0.00
88		Benzo(b)fluoranthene	1.240	1.183	4.6	109	0.00
89		Benzo(k)fluoranthene	1.073	1.031	3.9	116	0.00
90	C	Benzo(a)pyrene	1.043	1.041	0.2	115	0.00
91		Dibenzo(a,h)anthracene	1.177	1.150	2.3	115	0.00
92		Benzo(g,h,i)perylene	1.221	1.204	1.4	113	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	113	0.00
2		1,4-Dioxane	40.000	39.808	0.5	111	0.00
3		Pyridine	40.000	40.463	-1.2	113	0.00
4		n-Nitrosodimethylamine	40.000	39.391	1.5	112	0.01
5	S	2-Fluorophenol	80.000	78.171	2.3	112	0.00
6		Aniline	40.000	40.197	-0.5	115	0.00
7	S	Phenol-d6	80.000	77.578	3.0	113	0.00
8		2-Chlorophenol	40.000	38.895	2.8	113	0.00
9		Benzaldehyde	40.000	37.898	5.3	123	0.00
10	C	Phenol	40.000	38.277	4.3	111	0.00
11		bis(2-Chloroethyl)ether	40.000	38.433	3.9	112	0.00
12		1,3-Dichlorobenzene	40.000	38.692	3.3	113	0.00
13	C	1,4-Dichlorobenzene	40.000	38.668	3.3	112	0.00
14		1,2-Dichlorobenzene	40.000	38.492	3.8	111	0.00
15		Benzyl Alcohol	40.000	39.118	2.2	114	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.127	4.7	111	0.00
17		2-Methylphenol	40.000	38.649	3.4	111	0.00
18		Hexachloroethane	40.000	39.384	1.5	113	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.442	6.4	112	0.00
20		3+4-Methylphenols	40.000	37.436	6.4	112	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	112	0.00
22		Acetophenone	40.000	39.095	2.3	112	0.00
23	S	Nitrobenzene-d5	80.000	80.424	-0.5	114	0.00
24		Nitrobenzene	40.000	39.882	0.3	112	0.00
25		Isophorone	40.000	39.275	1.8	113	0.00
26	C	2-Nitrophenol	40.000	40.668	-1.7	111	0.00
27		2,4-Dimethylphenol	40.000	40.231	-0.6	113	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.557	1.1	113	0.00
29	C	2,4-Dichlorophenol	40.000	40.567	-1.4	114	0.00
30		1,2,4-Trichlorobenzene	40.000	39.651	0.9	112	0.00
31		Naphthalene	40.000	39.232	1.9	111	0.00
32		Benzoic acid	40.000	41.481	-3.7	118	0.01
33		4-Chloroaniline	40.000	40.067	-0.2	115	0.00
34	C	Hexachlorobutadiene	40.000	40.772	-1.9	116	0.00
35		Caprolactam	40.000	38.365	4.1	113	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.164	2.1	113	0.00
37		2-Methylnaphthalene	40.000	38.836	2.9	112	0.00
38		1-Methylnaphthalene	40.000	38.666	3.3	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.554	-1.4	114	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.278	-5.7	125	0.00
42	S	2,4,6-Tribromophenol	80.000	77.401	3.2	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.384	-1.0	114	0.00
44		2,4,5-Trichlorophenol	40.000	41.011	-2.5	115	0.00
45	S	2-Fluorobiphenyl	80.000	78.500	1.9	112	0.00
46		1,1'-Biphenyl	40.000	40.156	-0.4	114	0.00
47		2-Chloronaphthalene	40.000	39.966	0.1	113	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	39.505	1.2	112	0.00
49		Acenaphthylene	40.000	39.504	1.2	111	0.00
50		Dimethylphthalate	40.000	38.458	3.9	112	0.00
51		2,6-Dinitrotoluene	40.000	39.895	0.3	112	0.00
52	C	Acenaphthene	40.000	39.456	1.4	113	0.00
53		3-Nitroaniline	40.000	38.306	4.2	111	0.00
54	P	2,4-Dinitrophenol	40.000	39.106	2.2	114	0.00
55		Dibenzofuran	40.000	38.997	2.5	113	0.00
56	P	4-Nitrophenol	40.000	39.336	1.7	113	0.00
57		2,4-Dinitrotoluene	40.000	38.673	3.3	110	0.00
58		Fluorene	40.000	38.661	3.3	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.680	3.3	112	0.00
60		Diethylphthalate	40.000	38.447	3.9	113	0.00
61		4-Chlorophenyl-phenylether	40.000	39.091	2.3	114	0.00
62		4-Nitroaniline	40.000	38.525	3.7	112	0.00
63		Azobenzene	40.000	38.622	3.4	112	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.323	-3.3	112	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.561	-1.4	111	0.00
67		4-Bromophenyl-phenylether	40.000	40.390	-1.0	112	0.00
68		Hexachlorobenzene	40.000	40.147	-0.4	113	0.00
69		Atrazine	40.000	39.654	0.9	109	0.00
70	C	Pentachlorophenol	40.000	40.788	-2.0	111	0.00
71		Phenanthrene	40.000	39.036	2.4	109	0.00
72		Anthracene	40.000	38.817	3.0	109	0.00
73		Carbazole	40.000	38.546	3.6	107	0.00
74		Di-n-butylphthalate	40.000	40.010	-0.0	110	0.00
75	C	Fluoranthene	40.000	38.250	4.4	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	41.166	-2.9	98	0.00
78		Pyrene	40.000	36.907	7.7	106	0.00
79	S	Terphenyl-d14	80.000	73.396	8.3	106	0.00
80		Butylbenzylphthalate	40.000	42.425	-6.1	109	0.00
81		Benzo(a)anthracene	40.000	40.994	-2.5	108	0.00
82		3,3'-Dichlorobenzidine	40.000	44.160	-10.4	116	0.00
83		Chrysene	40.000	39.308	1.7	107	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.921	-12.3	112	0.00
85	c	Di-n-octyl phthalate	40.000	44.183	-10.5	111	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.463	1.3	114	0.00
88		Benzo(b)fluoranthene	40.000	38.172	4.6	109	0.00
89		Benzo(k)fluoranthene	40.000	38.430	3.9	116	0.00
90	C	Benzo(a)pyrene	40.000	39.920	0.2	115	0.00
91		Dibenzo(a,h)anthracene	40.000	39.089	2.3	115	0.00
92		Benzo(g,h,i)perylene	40.000	39.457	1.4	113	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138688.D
Acq On : 30 Jul 2024 17:55
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Quant Time: Jul 30 18:15:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139078.D 5 =BF139079.D 10 =BF139080.D 20 =BF139081.D 40 =BF139082.D 50 =BF139083.D 60 =BF139084.D 80 =BF1390
85.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.591	0.579	0.579	0.553	0.528	0.550	0.523	0.558	4.73
3)		Pyridine		1.553	1.469	1.544	1.361	1.323	1.380	1.287	1.417	7.48
4)		n-Nitrosodimet...		1.227	0.804	0.822	0.794	0.769	0.801	0.775	0.856	19.24
5)	S	2-Fluorophenol		1.671	1.315	1.335	1.225	1.182	1.211	1.160	1.300	13.55
6)		Aniline		1.903	1.548	1.626	1.511	1.469	1.411	1.146	1.516	15.06
7)	S	Phenol-d6		2.058	1.698	1.737	1.612	1.545	1.590	1.518	1.680	10.97
8)		2-Chlorophenol		1.529	1.254	1.309	1.194	1.161	1.185	1.121	1.250	10.98
9)		Benzaldehyde			1.182	1.163	0.921	0.843	0.817		0.985	17.80
10)	C	Phenol		2.131	1.793	1.839	1.709	1.607	1.625	1.530	1.748	11.46
11)		bis(2-Chloroet...		1.913	1.323	1.374	1.261	1.209	1.295	1.463	1.406	16.93
12)		1,3-Dichlorobe...		1.853	1.533	1.576	1.434	1.373	1.417	1.338	1.503	11.68
13)	C	1,4-Dichlorobe...		1.803	1.560	1.572	1.440	1.381	1.425	1.340	1.503	10.51
14)		1,2-Dichlorobe...		1.512	1.459	1.483	1.341	1.277	1.309	1.235	1.374	7.97
15)		Benzyl Alcohol		1.608	1.313	1.366	1.280	1.225	1.279	1.222	1.328	10.05
16)		2,2'-oxybis(1-...		2.693	1.975	2.043	1.850	1.768	1.814	1.717	1.980	16.89
17)		2-Methylphenol		1.249	1.086	1.114	1.029	0.999	1.021	0.989	1.070	8.51
18)		Hexachloroethane		0.677	0.502	0.532	0.507	0.485	0.503	0.484	0.527	12.91
19)	P	n-Nitroso-di-n...	1.348	1.435	1.039	1.089	1.005	0.955	0.994	0.960	1.103	16.72
20)		3+4-Methylphenols		1.706	1.418	1.446	1.348	1.258	1.297	1.227	1.386	11.70
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.542	0.529	0.538	0.504	0.488	0.494	0.480	0.511	4.92
23)	S	Nitrobenzene-d5		0.274	0.288	0.336	0.360	0.365	0.391	0.389	0.343	13.56
24)		Nitrobenzene		0.328	0.335	0.382	0.395	0.395	0.423	0.413	0.382	9.66
25)		Isophorone		0.768	0.748	0.752	0.717	0.693	0.721	0.706	0.730	3.73
26)	C	2-Nitrophenol		0.064	0.075	0.100	0.118	0.126	0.140	0.144	0.110	28.47
27)		2,4-Dimethylph...		0.275	0.227	0.234	0.223	0.219	0.222	0.220	0.231	8.67
28)		bis(2-Chloroet...		0.489	0.438	0.440	0.410	0.393	0.416	0.397	0.426	7.79
29)	C	2,4-Dichloroph...		0.293	0.290	0.299	0.287	0.278	0.290	0.280	0.288	2.56
30)		1,2,4-Trichlor...		0.370	0.350	0.352	0.331	0.314	0.331	0.314	0.337	6.18
31)		Naphthalene		1.090	1.062	1.071	0.997	0.945	0.992	0.937	1.013	6.07
32)		Benzoic acid			0.100	0.133	0.167	0.183	0.206	0.214	0.167	26.37
33)		4-Chloroaniline		0.357	0.355	0.363	0.347	0.330	0.343	0.335	0.347	3.52
34)	C	Hexachlorobuta...		0.234	0.233	0.231	0.216	0.206	0.215	0.208	0.220	5.45
35)		Caprolactam		0.090	0.091	0.092	0.092	0.089	0.094	0.091	0.091	1.79
36)	C	4-Chloro-3-met...		0.333	0.314	0.329	0.319	0.304	0.321	0.313	0.319	3.11
37)		2-Methylnaphth...		0.758	0.678	0.678	0.629	0.598	0.619	0.590	0.650	9.09
38)		1-Methylnaphth...		0.677	0.662	0.666	0.613	0.585	0.606	0.583	0.627	6.37

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082024.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.904	0.595	0.595	0.560	0.531	0.551	0.527	0.609	21.85
41)	P	Hexachlorocycl...	0.202	0.192	0.218	0.214	0.211	0.223	0.214	0.210	4.94
42)	S	2,4,6-Tribromo...	0.132	0.174	0.191	0.190	0.187	0.199	0.195	0.181	12.59
43)	C	2,4,6-Trichlor...	0.408	0.364	0.378	0.356	0.360	0.370	0.350	0.370	5.17
44)		2,4,5-Trichlor...	0.401	0.359	0.384	0.386	0.363	0.383	0.379	0.379	3.72
45)	S	2-Fluorobiphenyl	1.526	1.341	1.326	1.207	1.147	1.159	1.117	1.261	11.60
46)		1,1'-Biphenyl	1.333	1.479	1.479	1.374	1.301	1.338	1.286	1.370	5.80
47)		2-Chloronaphth...	1.208	1.165	1.171	1.087	1.047	1.077	1.038	1.113	6.04
48)		2-Nitroaniline	0.160	0.170	0.235	0.285	0.304	0.335	0.345	0.262	28.84
49)		Acenaphthylene	1.656	1.666	1.690	1.587	1.523	1.551	1.491	1.595	4.84
50)		Dimethylphthalate	1.239	1.281	1.295	1.236	1.181	1.228	1.184	1.235	3.50
51)		2,6-Dinitrotol...	0.093	0.147	0.202	0.236	0.243	0.260	0.259	0.206	30.85
52)	C	Acenaphthene	1.181	1.076	1.072	1.027	0.985	1.032	1.001	1.053	6.20
53)		3-Nitroaniline	0.123	0.151	0.211	0.241	0.243	0.259	0.263	0.213	25.87
54)	P	2,4-Dinitrophenol		0.036	0.049	0.072	0.080	0.097	0.107	0.074	36.99
55)		Dibenzofuran	1.611	1.620	1.623	1.518	1.441	1.478	1.418	1.530	5.76
56)	P	4-Nitrophenol		0.131	0.169	0.195	0.199	0.216	0.211	0.187	17.11
57)		2,4-Dinitrotol...	0.109	0.165	0.229	0.289	0.297	0.328	0.331	0.250	34.32
58)		Fluorene	1.395	1.280	1.273	1.195	1.142	1.158	1.116	1.223	8.08
59)		2,3,4,6-Tetrac...	0.259	0.297	0.325	0.313	0.306	0.323	0.309	0.305	7.28
60)		Diethylphthalate	1.275	1.237	1.267	1.222	1.175	1.217	1.171	1.223	3.32
61)		4-Chlorophenyl...	0.703	0.642	0.636	0.589	0.573	0.577	0.554	0.611	8.55
62)		4-Nitroaniline	0.139	0.164	0.213	0.244	0.248	0.266	0.261	0.219	22.73
63)		Azobenzene	1.521	1.378	1.395	1.334	1.296	1.322	1.271	1.360	6.11
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.046	0.064	0.071	0.083	0.087	0.064	33.81
66)	c	n-Nitrosodiphe...	0.707	0.606	0.613	0.571	0.544	0.561	0.540	0.592	9.84
67)		4-Bromophenyl-...	0.228	0.217	0.226	0.207	0.199	0.207	0.200	0.212	5.53
68)		Hexachlorobenzene	0.255	0.229	0.231	0.220	0.215	0.226	0.217	0.227	5.91
69)		Atrazine	0.241	0.198	0.197	0.147	0.164	0.167	0.151	0.181	18.39
70)	C	Pentachlorophenol	0.135	0.131	0.147	0.149	0.148	0.156	0.151	0.145	6.18
71)		Phenanthrene	1.228	1.053	1.066	0.968	0.938	0.954	0.910	1.017	10.82
72)		Anthracene	1.172	1.037	1.035	0.953	0.924	0.941	0.898	0.994	9.50
73)		Carbazole	1.112	0.959	0.976	0.892	0.865	0.872	0.823	0.928	10.47
74)		Di-n-butylphth...	1.373	1.077	1.098	1.019	0.987	1.014	0.967	1.076	12.88
75)	C	Fluoranthene	1.275	1.159	1.152	1.050	1.001	1.011	0.948	1.085	10.56
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.410	0.361	0.368	0.505	0.439	0.385	0.423	0.413	11.99
78)		Pyrene	1.566	1.495	1.606	1.688	1.704	1.839	1.784	1.669	7.28
79)	S	Terphenyl-d14	1.099	1.121	1.144	1.212	1.243	1.325	1.294	1.205	7.24
80)		Butylbenzylpht...	0.492	0.497	0.564	0.610	0.604	0.644	0.631	0.577	10.74
81)		Benzo(a)anthra...	1.478	1.343	1.346	1.301	1.232	1.280	1.223	1.315	6.59
82)		3,3'-Dichlorob...	0.429	0.419	0.407	0.349	0.329	0.328	0.312	0.367	13.39
83)		Chrysene	1.229	1.245	1.288	1.153	1.111	1.161	1.154	1.192	5.28
84)		Bis(2-ethylhex...	0.749	0.719	0.757	0.779	0.764	0.804	0.787	0.765	3.64
85)	c	Di-n-octyl pht...	1.238	1.050	1.094	1.030	0.998	1.047	1.065	1.074	7.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF082024.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.909	0.873	1.124	1.298	1.308	1.369	1.311	1.171	17.57
88)		Benzo(b)fluora...	1.474	1.391	1.390	1.257	1.153	1.300	1.163	1.304	9.34
89)		Benzo(k)fluora...	1.051	1.220	1.288	1.076	1.019	0.935	1.014	1.086	11.44
90)	C	Benzo(a)pyrene	1.052	1.068	1.087	1.014	0.981	1.019	0.990	1.030	3.85
91)		Dibenzo(a,h)an...	0.745	0.724	0.922	1.078	1.071	1.115	1.071	0.961	17.30
92)		Benzo(g,h,i)pe...	0.641	0.713	0.968	1.106	1.102	1.150	1.101	0.969	21.47

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139078.D
Acq On : 20 Aug 2024 17:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 21 00:37:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 00:32:15 2024
Response via : Initial Calibration

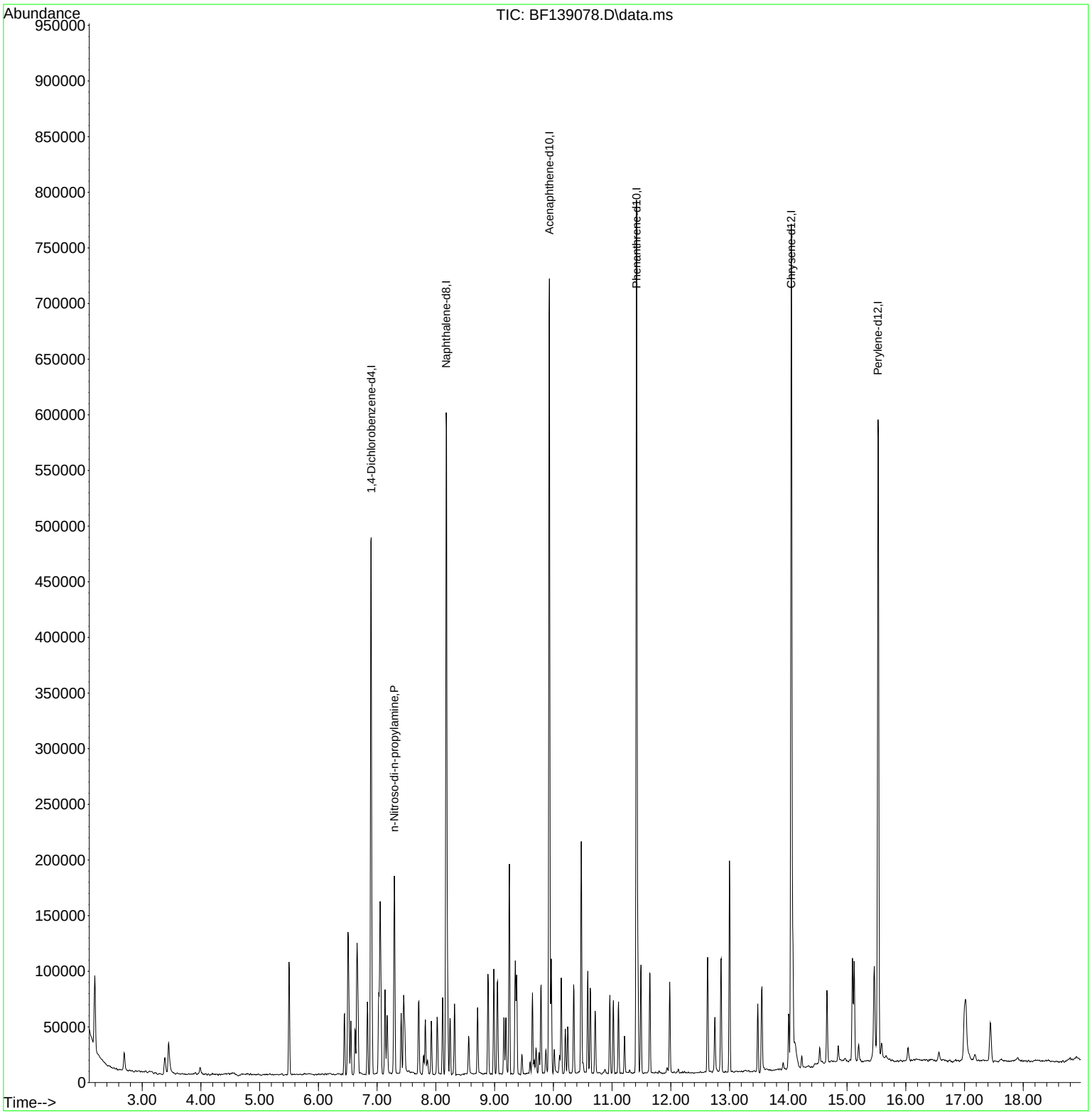
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93394	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	338986	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	207701	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	394517	20.000	ng	0.00
76) Chrysene-d12	14.051	240	299691	20.000	ng	0.00
86) Perylene-d12	15.527	264	334467	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...	7.292	70	15737	3.208	ng	94

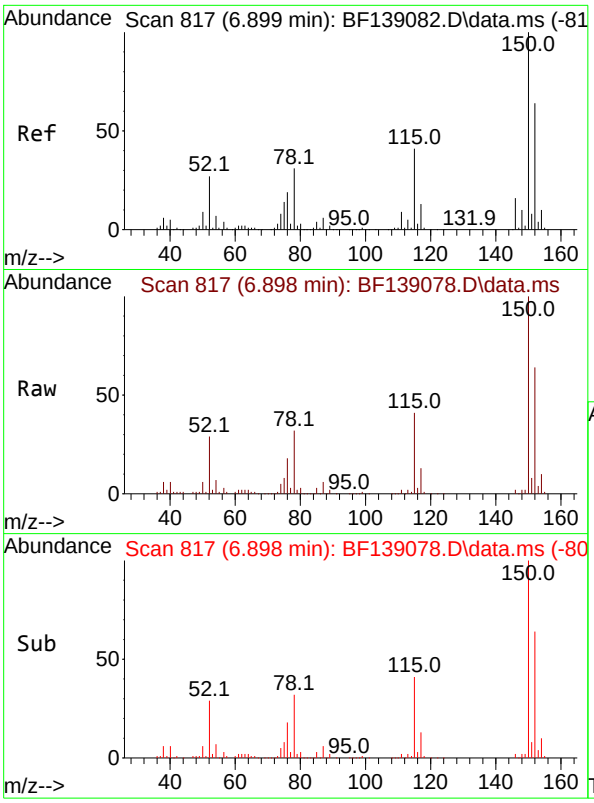
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139078.D
Acq On : 20 Aug 2024 17:10
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 21 00:37:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 00:32:15 2024
Response via : Initial Calibration



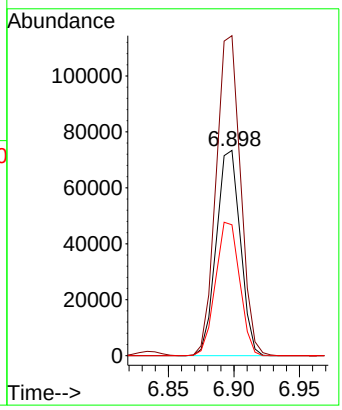


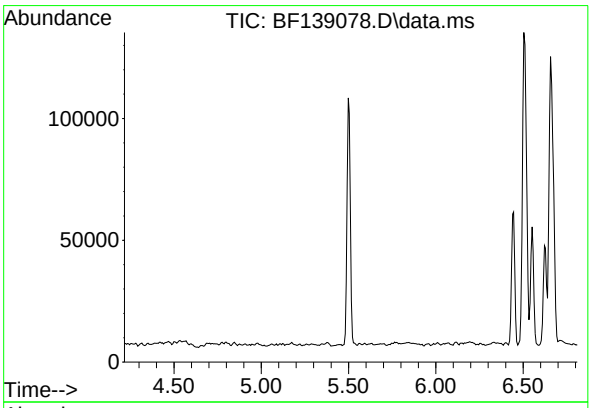
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 93394

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.1	187.7
115	63.8	51.8	77.6



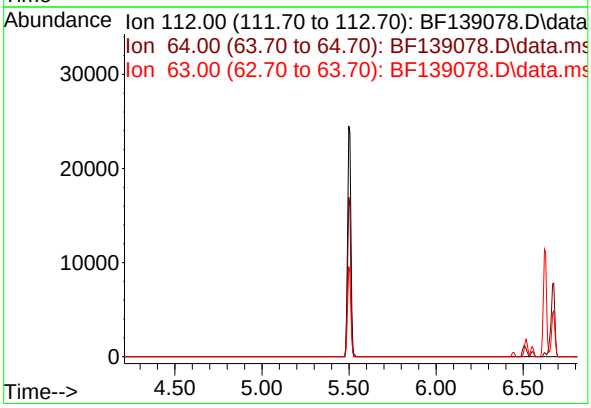


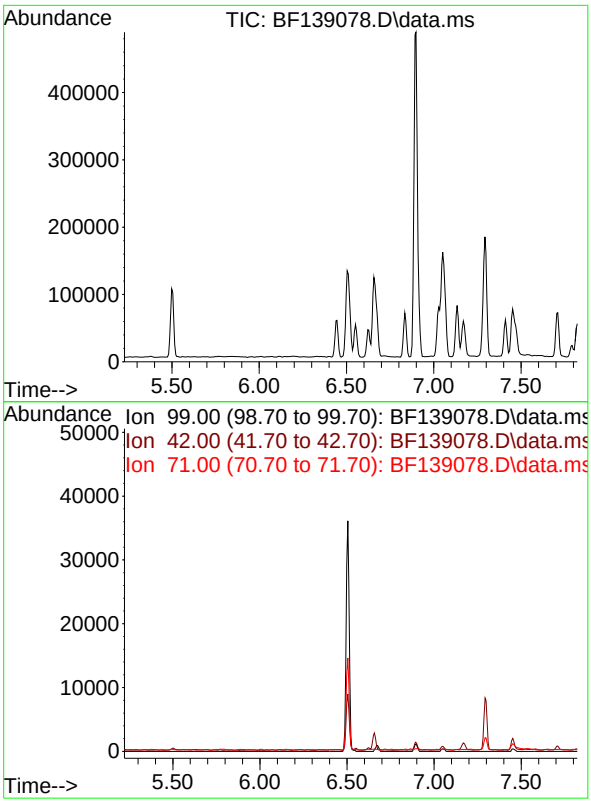
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.51 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.2
63	36.8





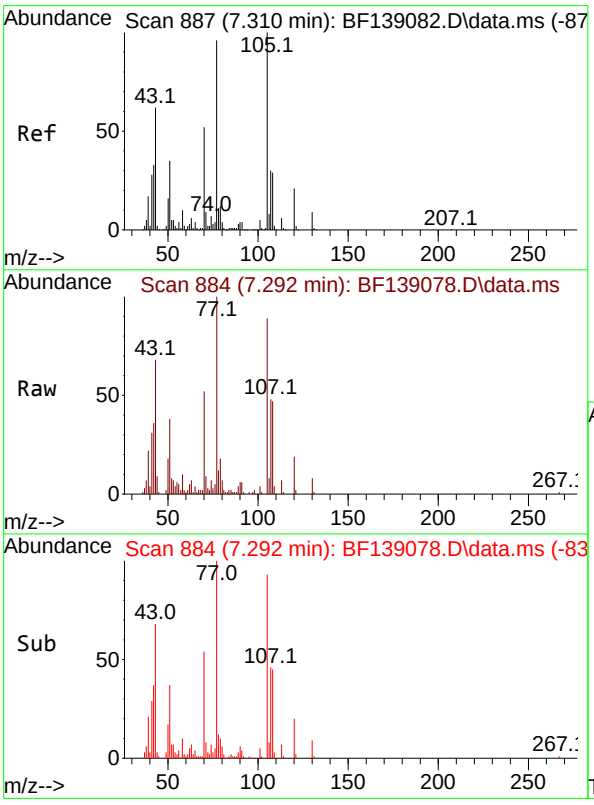
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

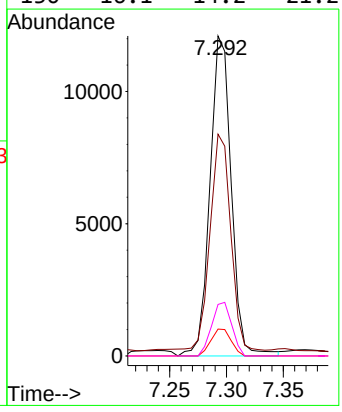
Sig	Exp Ratio
99	100
42	21.8
71	39.0

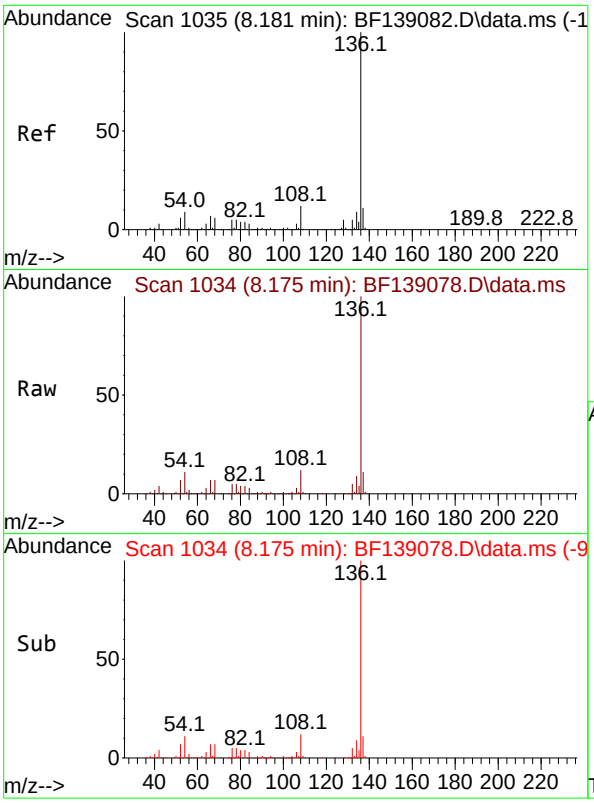


#19
n-Nitroso-di-n-propylamine
Concen: 3.208 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 70 Resp: 15737

Ion	Ratio	Lower	Upper
70	100		
42	69.3	50.5	75.7
101	8.4	7.2	10.8
130	16.1	14.2	21.2



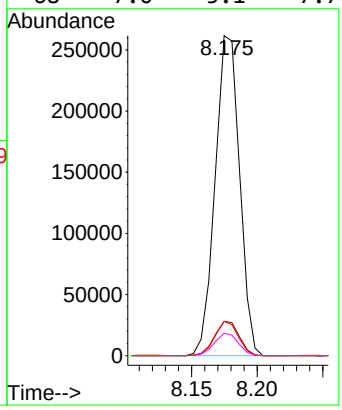


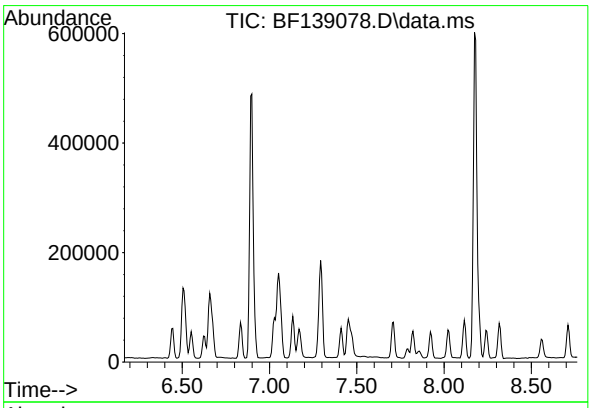
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 338986

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.7	7.6	11.4
68	7.0	5.1	7.7



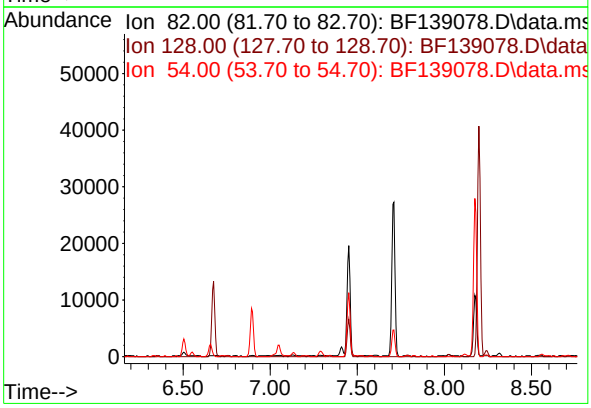


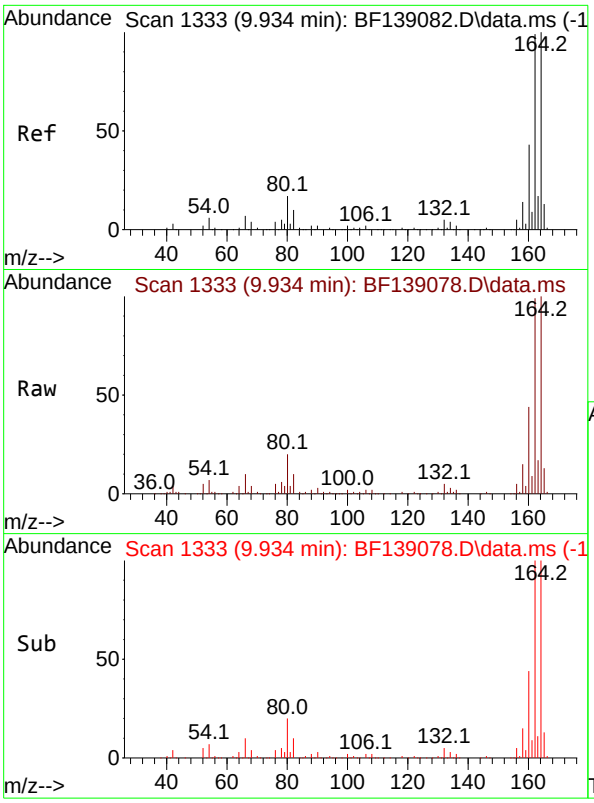
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.46 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	36.2
54	54.3



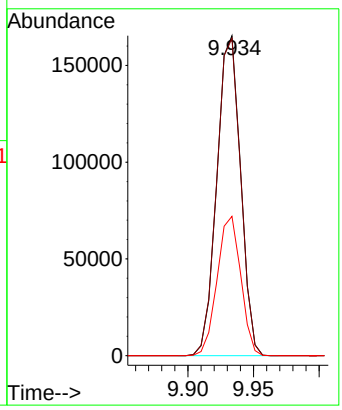


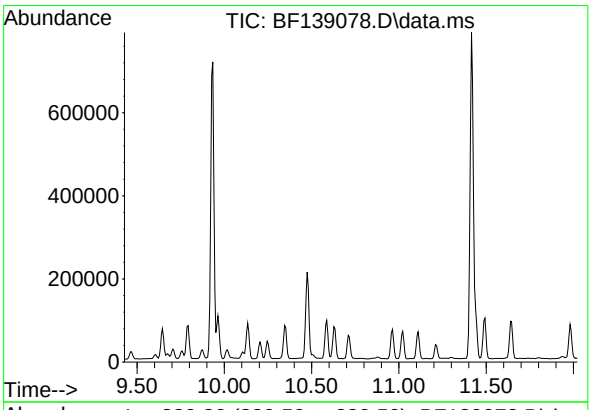
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 207701

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.5	119.3
160	43.6	34.5	51.7



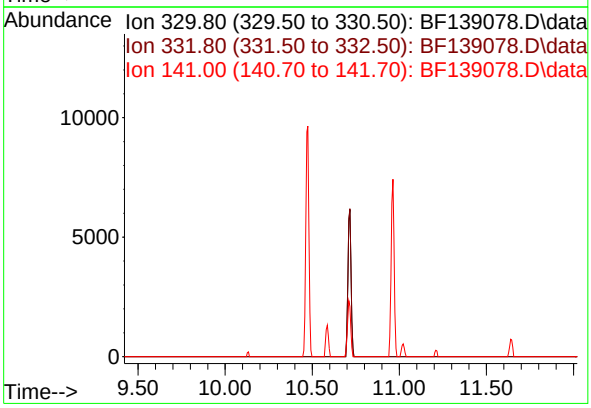


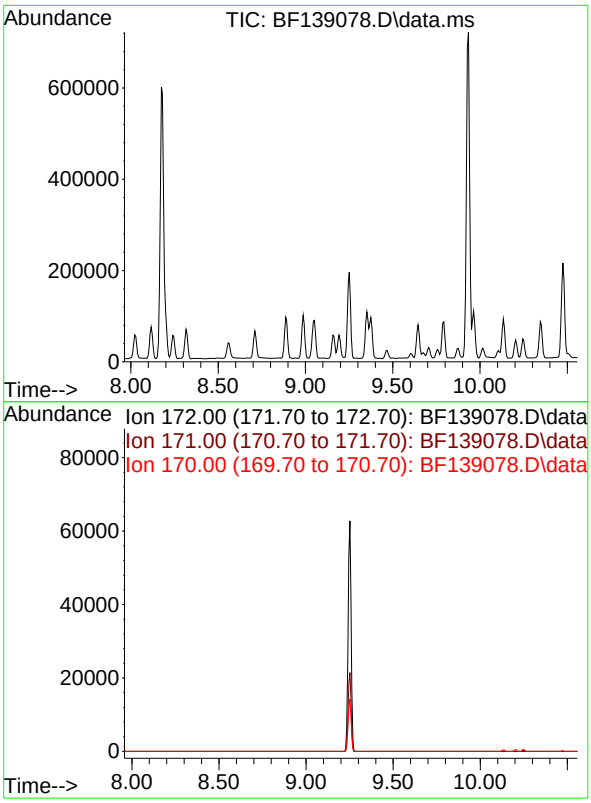
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	34.4





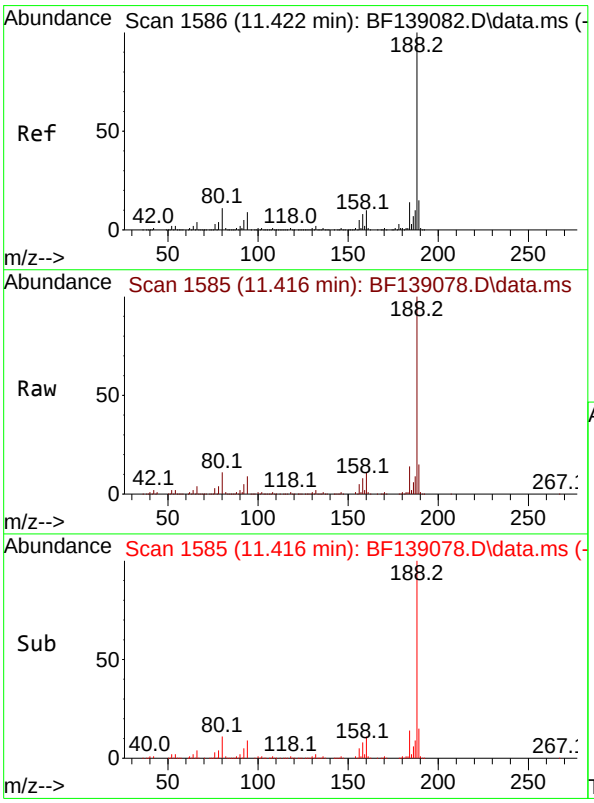
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.26 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

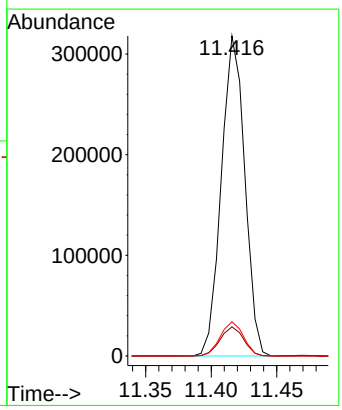
Sig	Exp Ratio
172	100
171	35.5
170	23.5

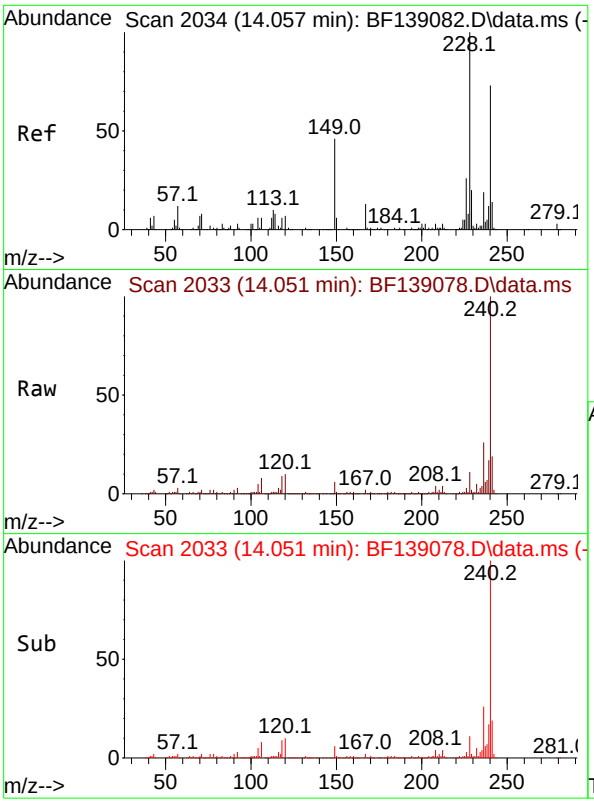


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion:188 Resp: 394517

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.7	8.5	12.7



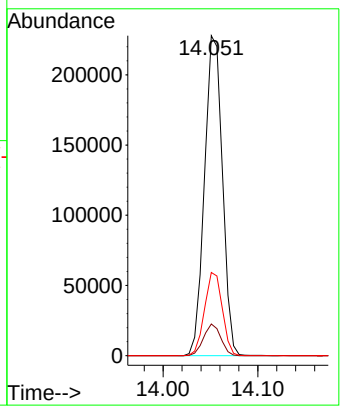


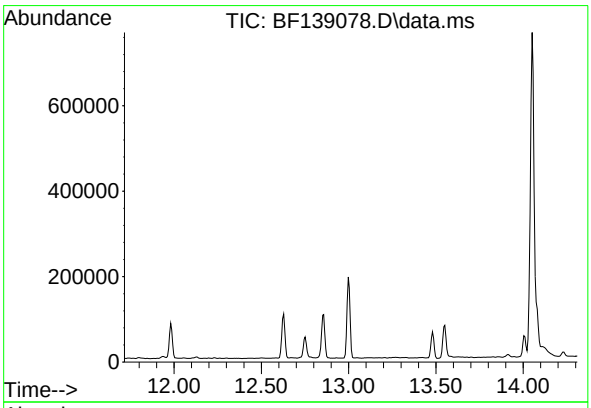
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 299691

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.8	11.6
236	26.0	20.9	31.3



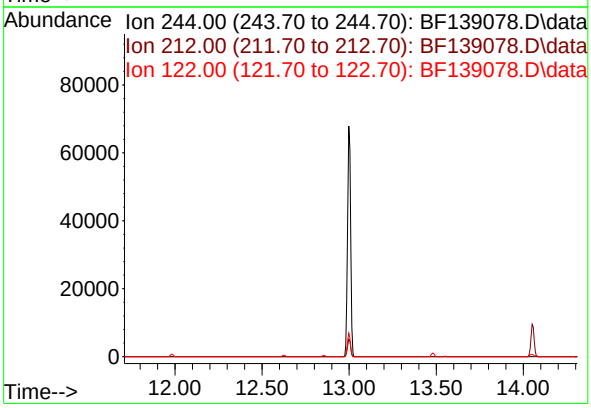


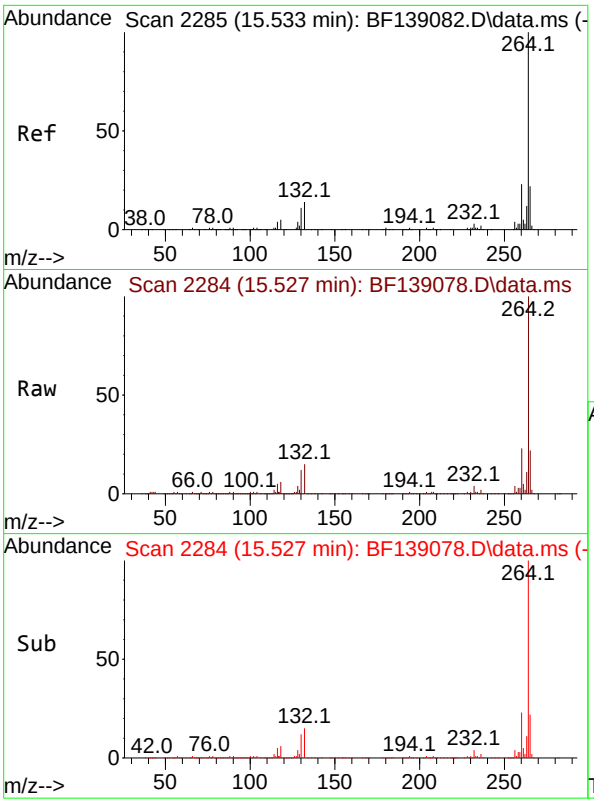
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.01 min

Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	9.5



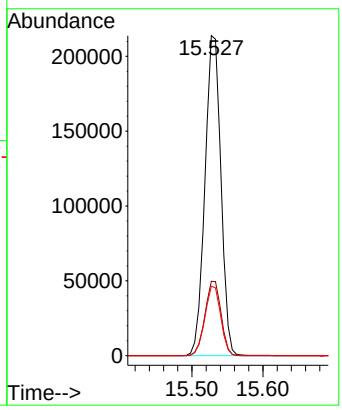


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139078.D
Acq: 20 Aug 2024 17:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 334467

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.7	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139079.D
Acq On : 20 Aug 2024 17:40
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 01:11:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
08/21/2024

Supervised By :mohammad ahmed
08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	57045	20.000	ng		0.00
21) Naphthalene-d8	8.180	136	256989	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	141352	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	242346	20.000	ng		0.00
76) Chrysene-d12	14.051	240	197332	20.000	ng		0.00
86) Perylene-d12	15.527	264	208745	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	47665	12.855	ng		0.00
7) Phenol-d6	6.504	99	58702	12.253	ng		-0.02
23) Nitrobenzene-d5	7.451	82	35245	7.991	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	9359	7.314	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	107879	12.109	ng		0.00
79) Terphenyl-d14	12.998	244	108467	9.121	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	8428	5.300	ng	#	88
3) Pyridine	3.446	79	22149	5.481	ng	#	82
4) n-Nitrosodimethylamine	3.387	42	17500	7.168	ng	#	80
6) Aniline	6.551	93	27137	6.274	ng		95
8) 2-Chlorophenol	6.675	128	21800	6.113	ng		97
10) Phenol	6.522	94	30387m	6.096	ng		
11) bis(2-Chloroethyl)ether	6.628	93	27277	6.830	ng		93
12) 1,3-Dichlorobenzene	6.834	146	26422	6.162	ng		93
13) 1,4-Dichlorobenzene	6.916	146	25715	5.998	ng		99
14) 1,2-Dichlorobenzene	7.063	146	21557	5.502	ng		98
15) Benzyl Alcohol	7.028	79	22935	6.057	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.169	45	38401	6.800	ng		97
17) 2-Methylphenol	7.133	107	17809	5.837	ng		93
18) Hexachloroethane	7.410	117	9655	6.422	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	20463	6.504	ng	#	88
20) 3+4-Methylphenols	7.286	107	24332	6.155	ng		95
22) Acetophenone	7.298	105	34799	5.303	ng	#	90
24) Nitrobenzene	7.469	77	21057	4.295	ng		91
25) Isophorone	7.710	82	49355	5.265	ng		98
26) 2-Nitrophenol	7.792	139	4091	7.707	ng		90
27) 2,4-Dimethylphenol	7.822	122	17686	5.950	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	31434	5.739	ng		99
29) 2,4-Dichlorophenol	8.028	162	18852	5.091	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	23799	5.488	ng		98
31) Naphthalene	8.198	128	70061	5.380	ng		99
33) 4-Chloroaniline	8.245	127	22945	5.145	ng		94
34) Hexachlorobutadiene	8.316	225	15035	5.308	ng		98
35) Caprolactam	8.569	113	5765	4.911	ng	#	78
36) 4-Chloro-3-methylphenol	8.710	107	21399	5.219	ng		97
37) 2-Methylnaphthalene	8.886	142	48689	5.829	ng		100
38) 1-Methylnaphthalene	8.986	142	43505	5.396	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	31957	5.793	ng		95
41) Hexachlorocyclopentadiene	9.045	237	7142	4.802	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	14406	5.516	ng		99
44) 2,4,5-Trichlorophenol	9.192	196	14166	5.285	ng		95
46) 1,1'-Biphenyl	9.351	154	47097	4.864	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139079.D
Acq On : 20 Aug 2024 17:40
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 01:11:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.375	162	42691	5.426	ng		99
48) 2-Nitroaniline	9.463	65	5652	7.868	ng	#	83
49) Acenaphthylene	9.792	152	58505	5.191	ng		99
50) Dimethylphthalate	9.645	163	43778	5.017	ng		98
51) 2,6-Dinitrotoluene	9.710	165	3282	6.216	ng	#	73
52) Acenaphthene	9.963	154	41719	5.604	ng		99
53) 3-Nitroaniline	9.874	138	4355	6.420	ng	#	76
55) Dibenzofuran	10.133	168	56918	5.264	ng		99
57) 2,4-Dinitrotoluene	10.104	165	3835	7.091	ng	#	67
58) Fluorene	10.474	166	49312	5.706	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	9162	4.257	ng		100
60) Diethylphthalate	10.351	149	45043	5.209	ng		97
61) 4-Chlorophenyl-phenyle...	10.474	204	24840	5.755	ng		98
62) 4-Nitroaniline	10.480	138	4902	6.235	ng	#	76
63) Azobenzene	10.627	77	53740	5.593	ng		91
66) n-Nitrosodiphenylamine	10.586	169	42842	5.975	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	13787	5.369	ng		92
68) Hexachlorobenzene	11.021	284	15428	5.600	ng		97
69) Atrazine	11.110	200	14600	6.667	ng		97
70) Pentachlorophenol	11.210	266	8196	4.657	ng		95
71) Phenanthrene	11.439	178	74418	6.041	ng		99
72) Anthracene	11.492	178	70978	5.892	ng		98
73) Carbazole	11.645	167	67389	5.991	ng		100
74) Di-n-butylphthalate	11.980	149	83170	6.376	ng		99
75) Fluoranthene	12.627	202	77258	5.876	ng		98
77) Benzidine	12.751	184	20231	4.963	ng		99
78) Pyrene	12.857	202	77260	4.692	ng		99
80) Butylbenzylphthalate	13.480	149	24272	4.260	ng		92
81) Benzo(a)anthracene	14.045	228	72891	5.619	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	21174	5.840	ng		98
83) Chrysene	14.080	228	60621	5.156	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	36952	4.892	ng		100
85) Di-n-octyl phthalate	14.657	149	61061	5.760	ng		95
87) Indeno(1,2,3-cd)pyrene	16.998	276	47457	3.885	ng		97
88) Benzo(b)fluoranthene	15.092	252	76926	5.653	ng		99
89) Benzo(k)fluoranthene	15.121	252	54822	4.837	ng		99
90) Benzo(a)pyrene	15.462	252	54925	5.108	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	38904	3.879	ng		98
92) Benzo(g,h,i)perylene	17.445	276	33473	5.546	ng		98

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139079.D
Acq On : 20 Aug 2024 17:40
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

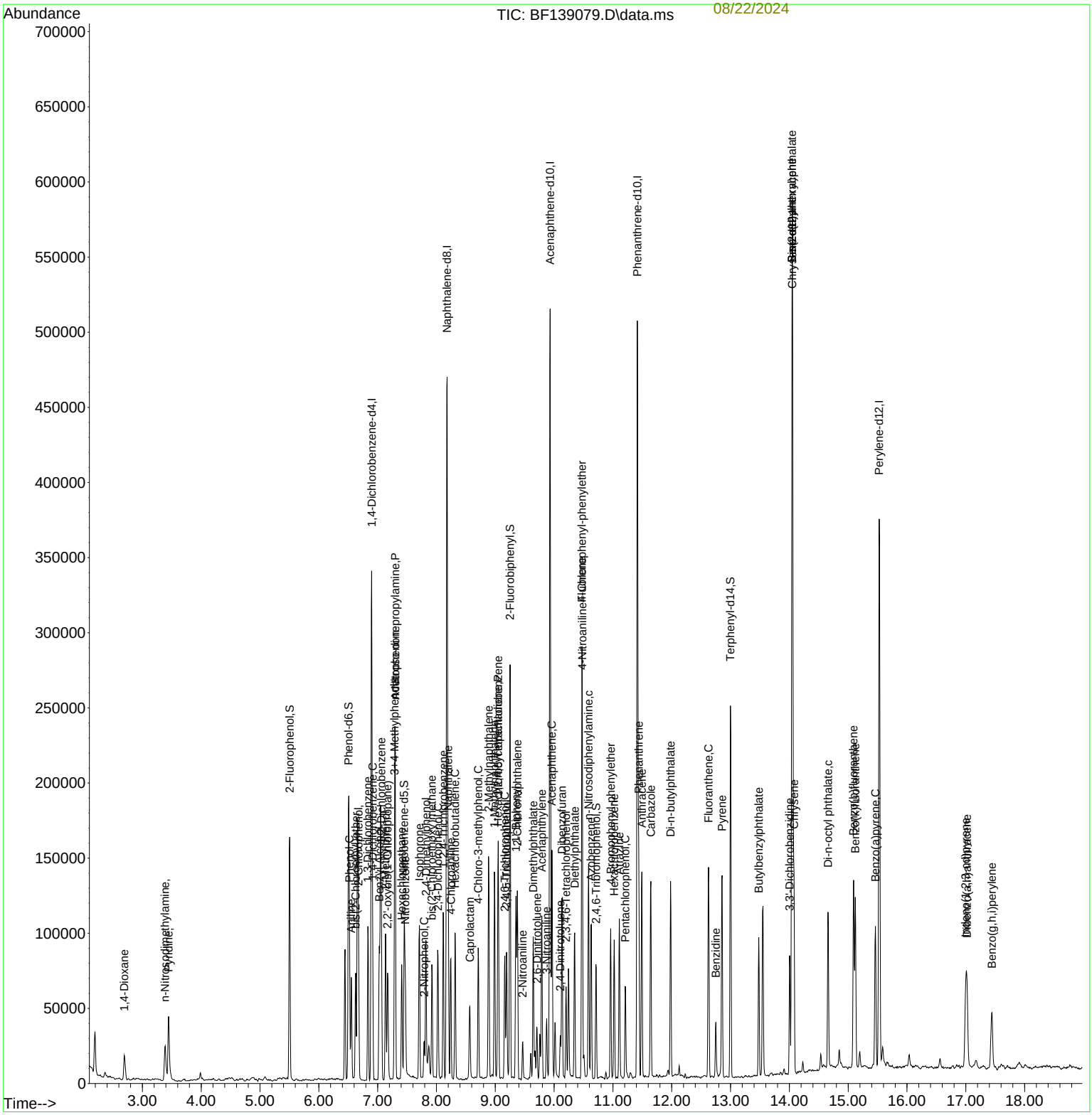
Quant Time: Aug 21 01:11:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

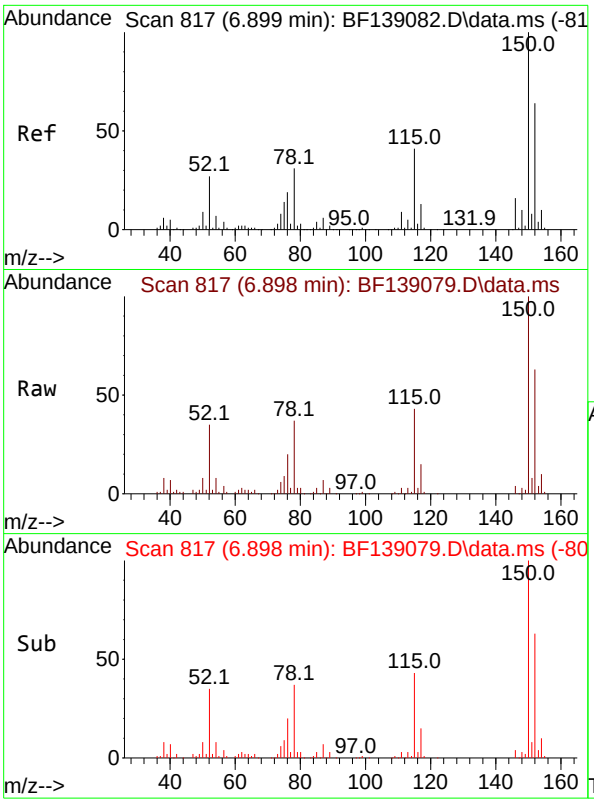
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
08/21/2024

Supervised By :mohammad ahmed
08/22/2024

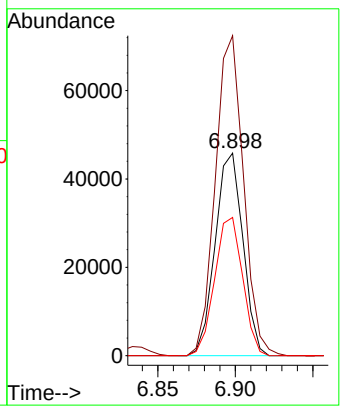




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:152 Resp: 5704

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.1	187.7
115	68.3	51.8	77.6

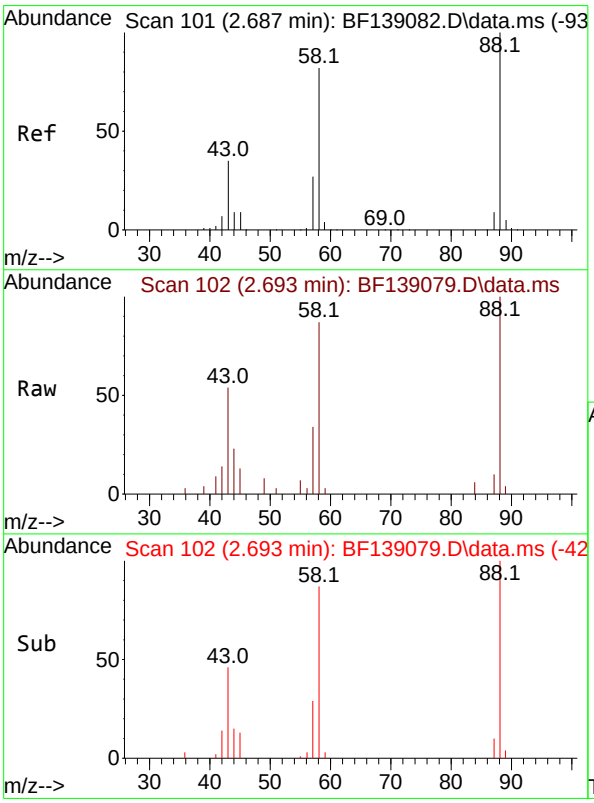


Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
08/21/2024

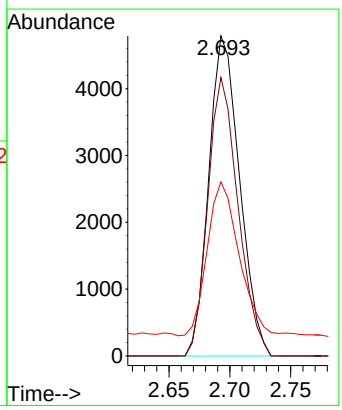
Supervised By :mohammad ahmed
08/22/2024

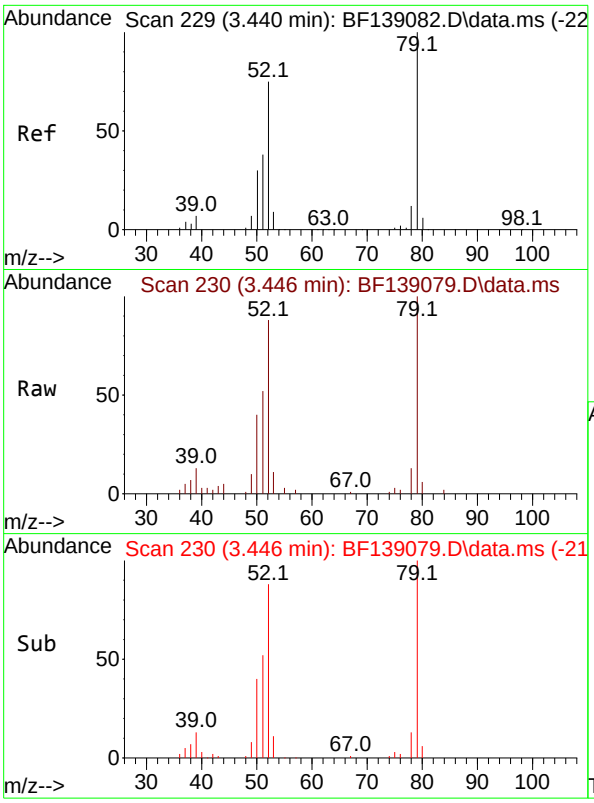


#2
1,4-Dioxane
Concen: 5.300 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 88 Resp: 8428

Ion	Ratio	Lower	Upper
88	100		
58	85.5	65.4	98.0
43	52.5	27.9	41.9#

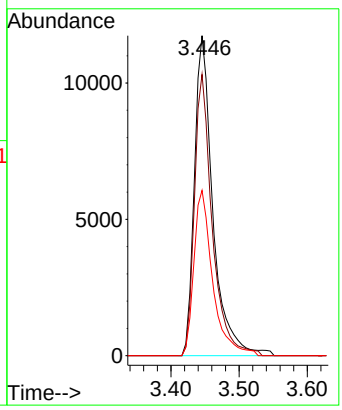




#3
Pyridine
Concen: 5.481 ng
RT: 3.446 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 79 Resp: 2214

Ion	Ratio	Lower	Upper
79	100		
52	87.9	59.7	89.5
51	51.7	30.6	45.8#

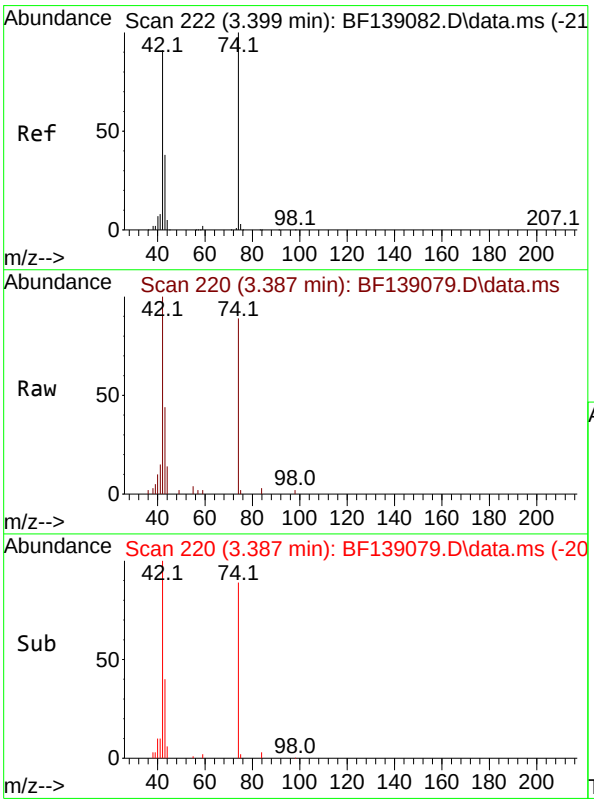


Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
08/21/2024

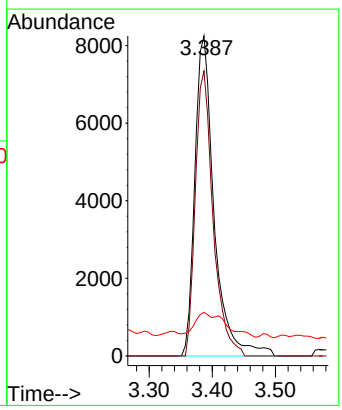
Supervised By :mohammad ahmed
08/22/2024

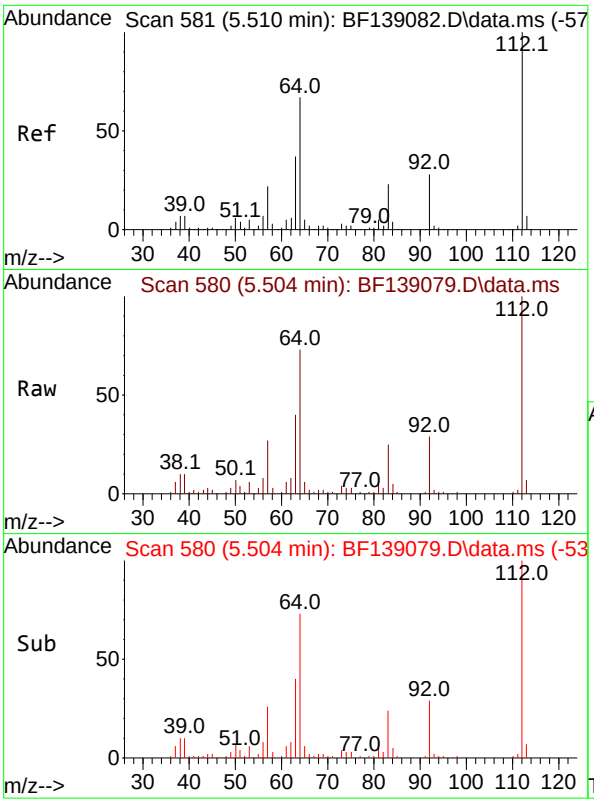


#4
n-Nitrosodimethylamine
Concen: 7.168 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 42 Resp: 17500

Ion	Ratio	Lower	Upper
42	100		
74	89.1	88.2	132.2
44	13.6	5.4	8.0#

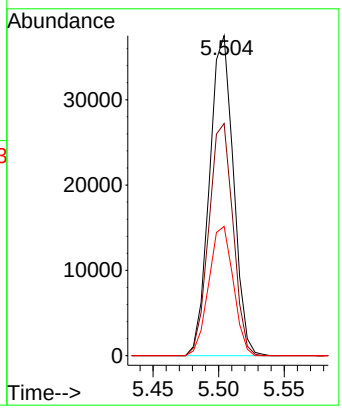




#5
2-Fluorophenol
Concen: 12.855 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:112 Resp: 4766

Ion	Ratio	Lower	Upper
112	100		
64	72.5	53.8	80.6
63	40.4	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
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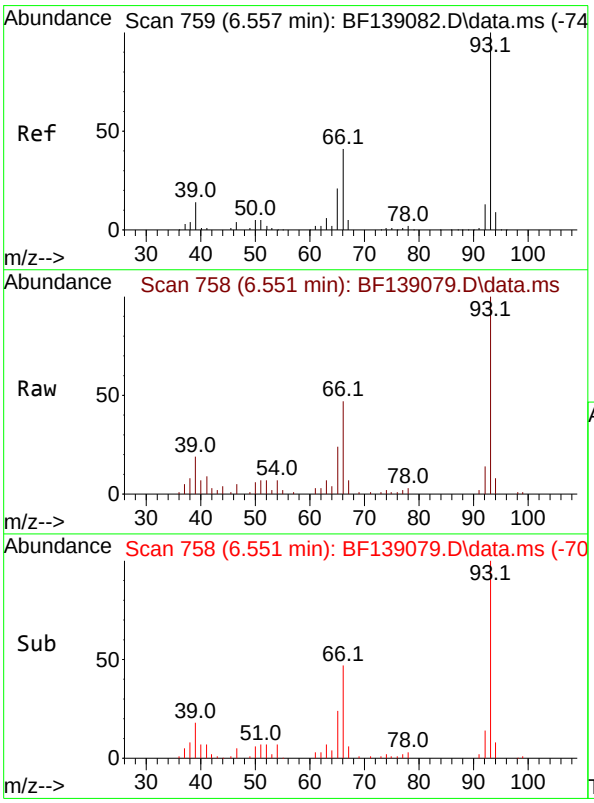
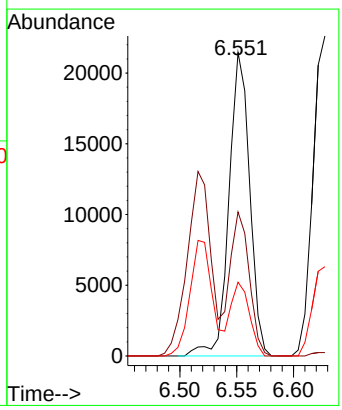
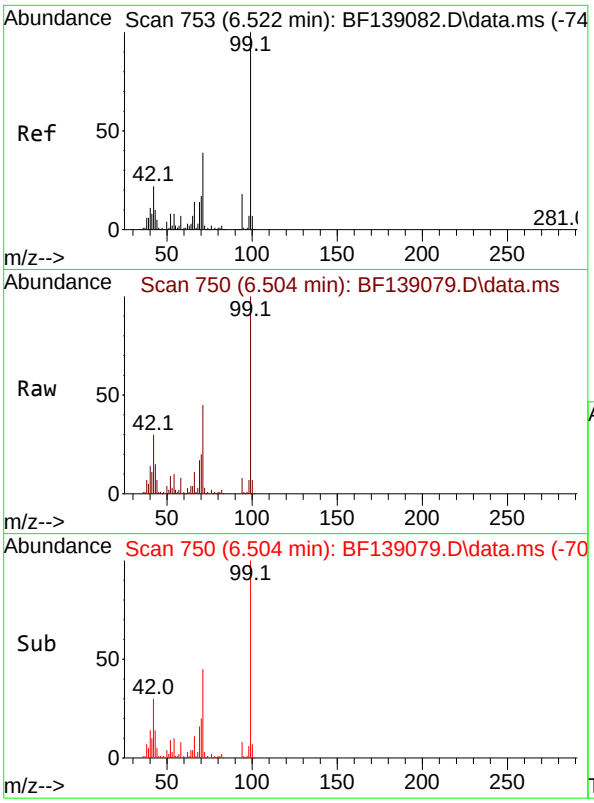


#6
Aniline
Concen: 6.274 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 93 Resp: 27137

Ion	Ratio	Lower	Upper
93	100		
66	47.4	35.1	52.7
65	24.3	17.4	26.2

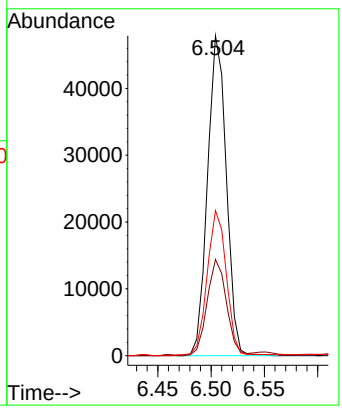




#7
Phenol-d6
Concen: 12.253 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 99 Resp: 5870

Ion	Ratio	Lower	Upper
99	100		
42	30.0	17.4	26.2
71	45.4	31.2	46.8



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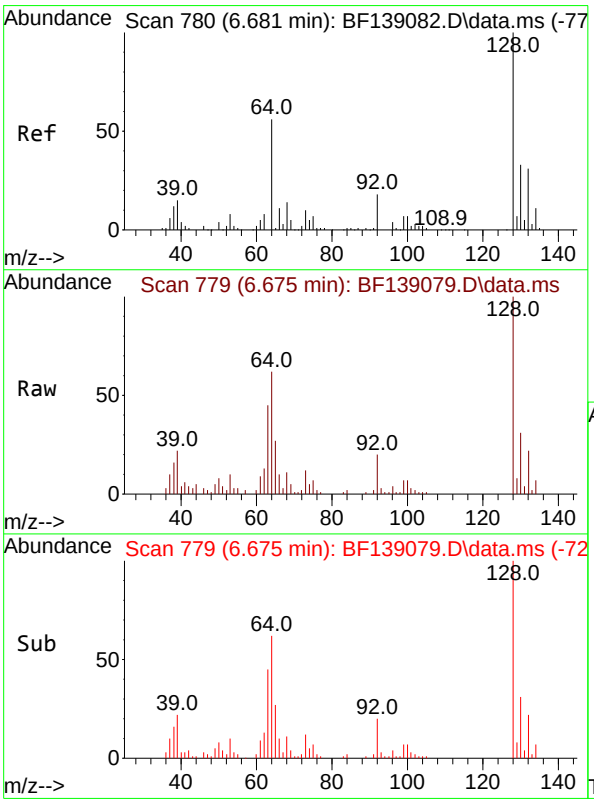
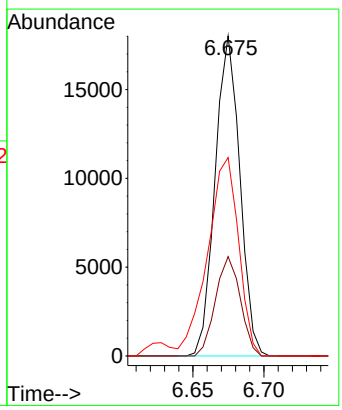
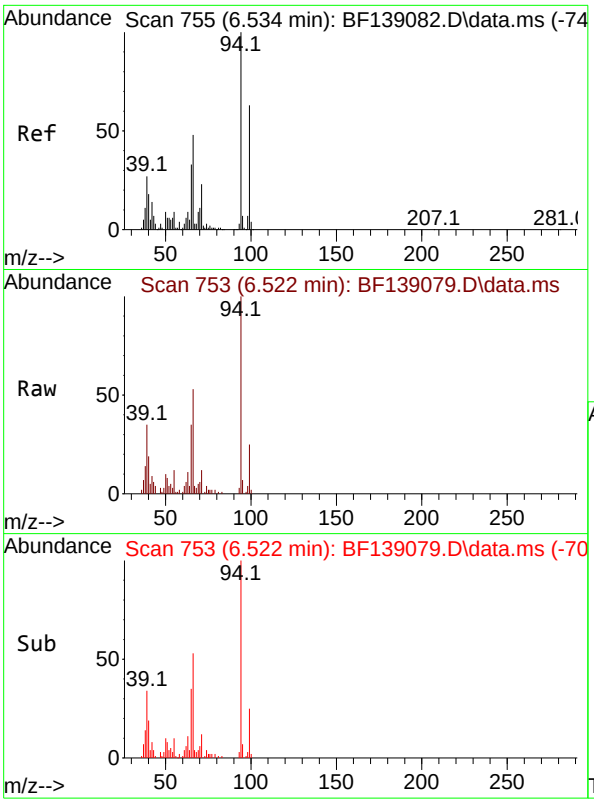


#8
2-Chlorophenol
Concen: 6.113 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:128 Resp: 21800

Ion	Ratio	Lower	Upper
128	100		
130	31.1	12.6	52.6
64	62.0	39.1	79.1

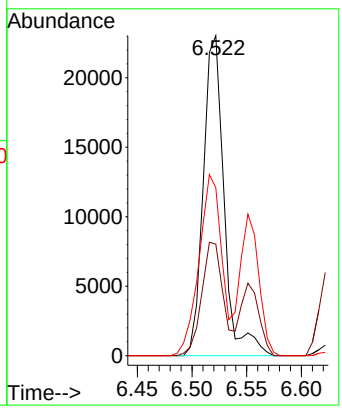




#10
Phenol
Concen: 6.096 ng m
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 94 Resp: 3038

Ion	Ratio	Lower	Upper
94	100		
65	34.9	13.5	53.5
66	52.5	28.5	68.5



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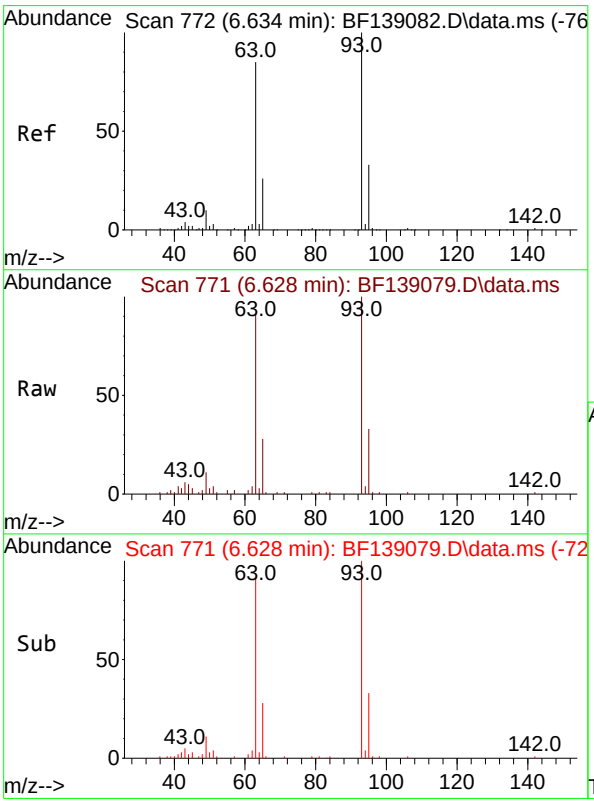
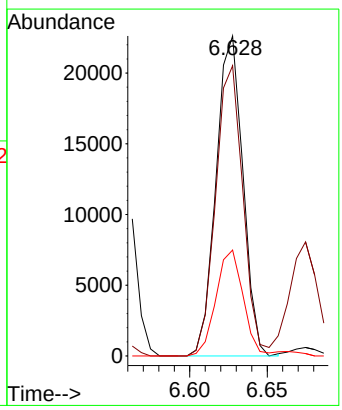
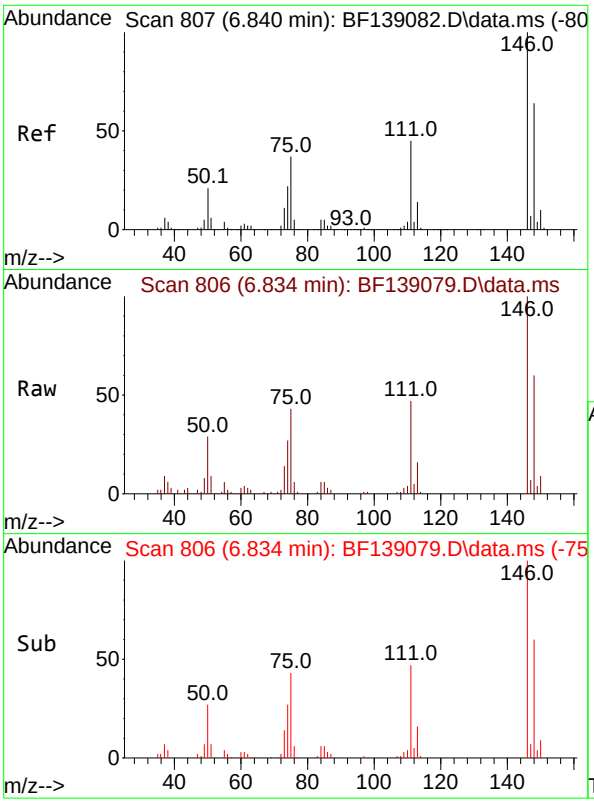


#11
bis(2-Chloroethyl)ether
Concen: 6.830 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 93 Resp: 27277

Ion	Ratio	Lower	Upper
93	100		
63	90.7	62.7	102.7
95	33.1	11.9	51.9

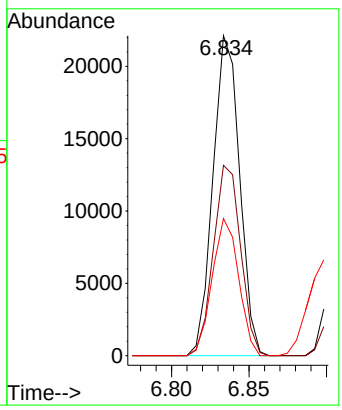




#12
1,3-Dichlorobenzene
Concen: 6.162 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:146 Resp: 2642

Ion	Ratio	Lower	Upper
146	100		
148	59.5	51.2	76.8
75	42.9	29.9	44.9



Instrument :
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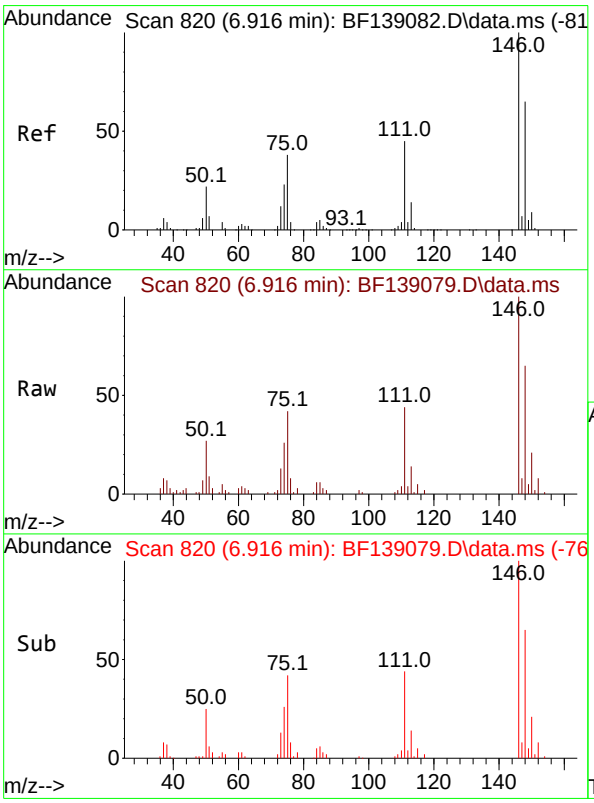
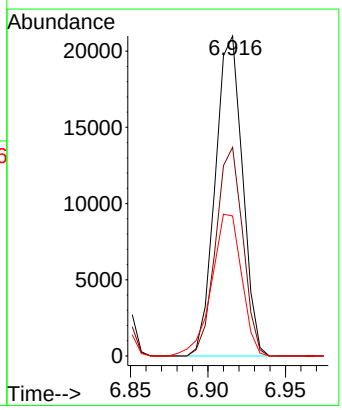
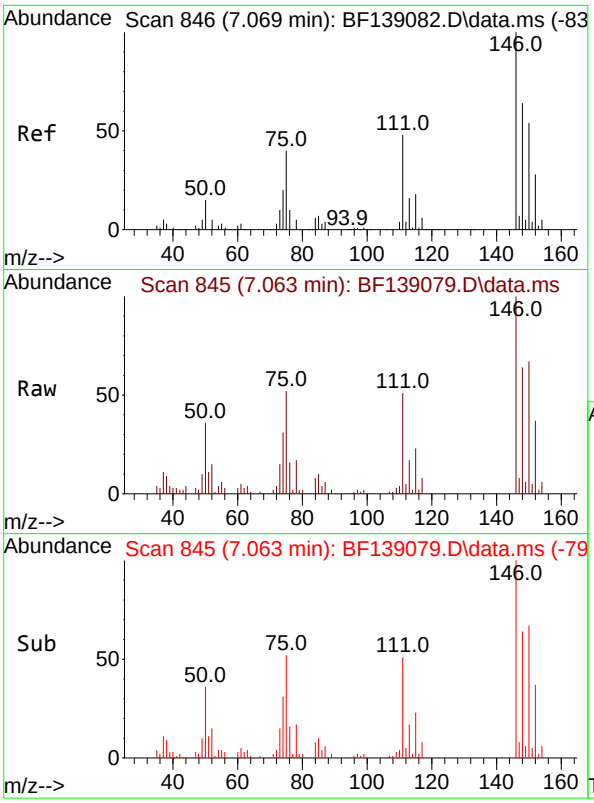


#13
1,4-Dichlorobenzene
Concen: 5.998 ng
RT: 6.916 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:146 Resp: 25715

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.9	77.9
111	43.7	35.8	53.6

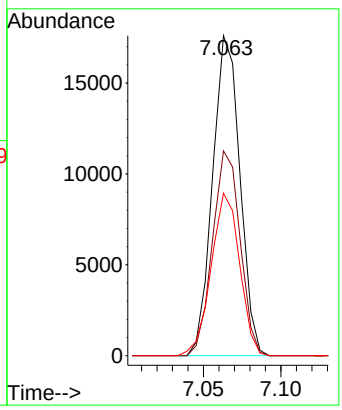




#14
1,2-Dichlorobenzene
Concen: 5.502 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:146 Resp: 2155

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
111	50.7	38.1	57.1



Instrument :
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ClientSampleId :
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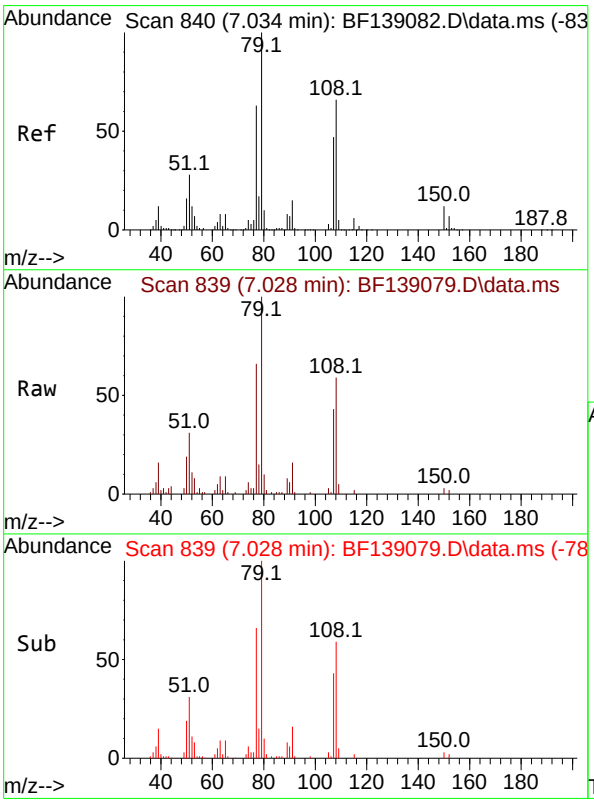
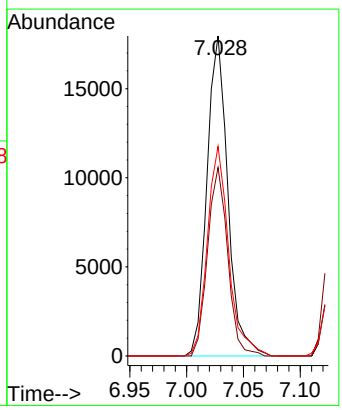
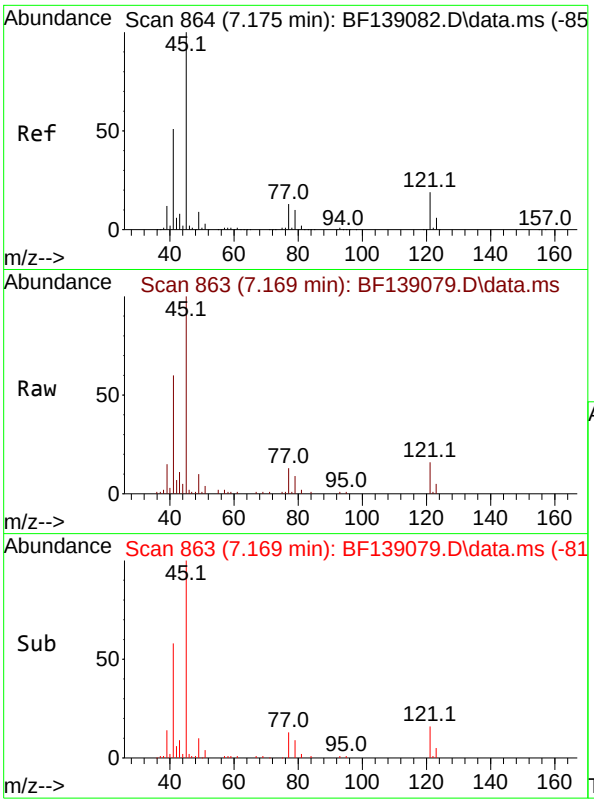


#15
Benzyl Alcohol
Concen: 6.057 ng
RT: 7.028 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 79 Resp: 22935

Ion	Ratio	Lower	Upper
79	100		
108	58.9	52.8	79.2
77	65.5	50.6	76.0

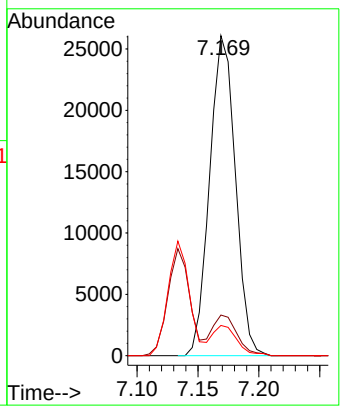




#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.800 ng
RT: 7.169 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 45 Resp: 3840

Ion	Ratio	Lower	Upper
45	100		
77	12.7	0.0	33.7
79	9.4	0.0	30.4



Instrument :
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ClientSampleId :
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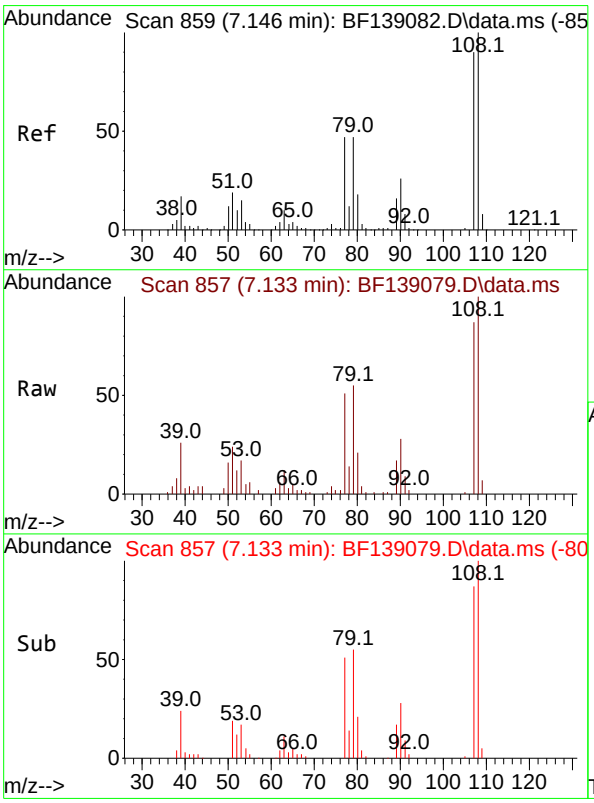
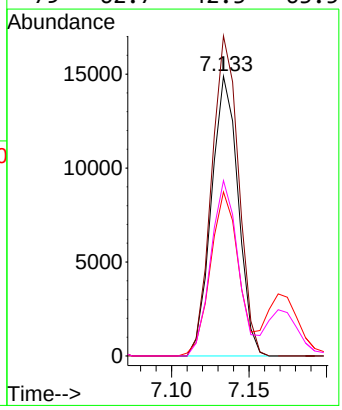
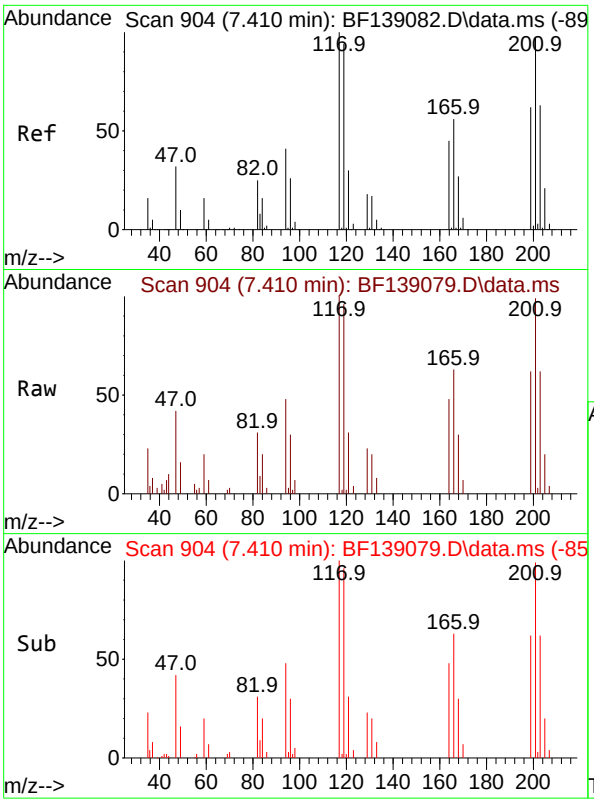


#17
2-Methylphenol
Concen: 5.837 ng
RT: 7.133 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:107 Resp: 17809

Ion	Ratio	Lower	Upper
107	100		
108	114.4	89.1	133.7
77	58.6	42.1	63.1
79	62.7	42.3	63.5

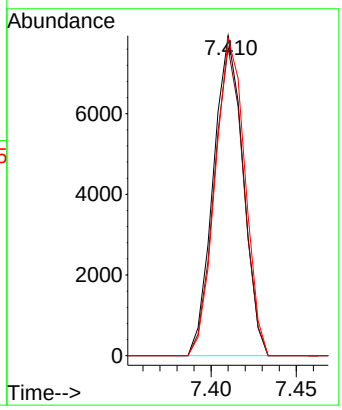




#18
Hexachloroethane
Concen: 6.422 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:117 Resp: 965

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.5	113.3
201	99.2	77.8	116.8



Instrument :
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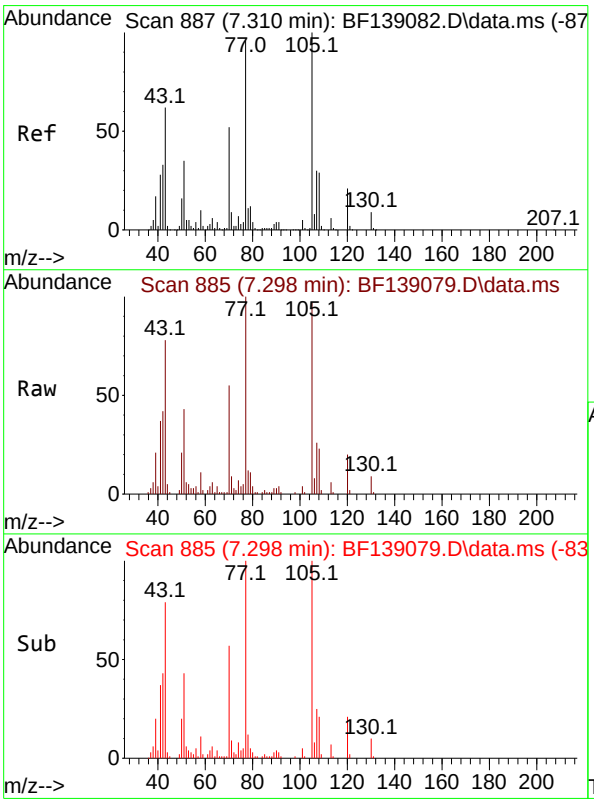
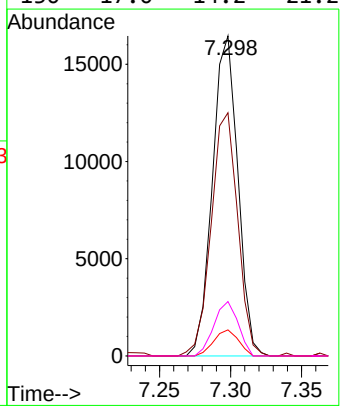
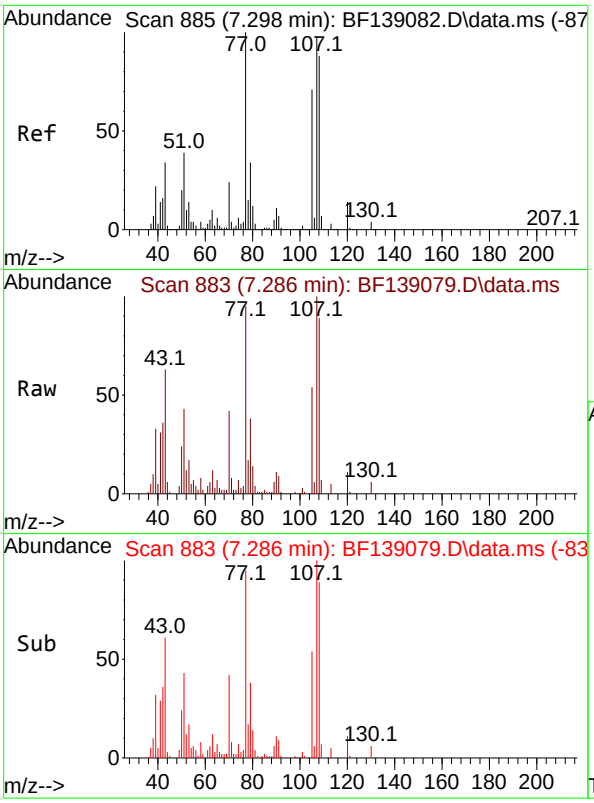


#19
n-Nitroso-di-n-propylamine
Concen: 6.504 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 70 Resp: 20463

Ion	Ratio	Lower	Upper
70	100		
42	76.0	50.5	75.7#
101	8.1	7.2	10.8
130	17.0	14.2	21.2

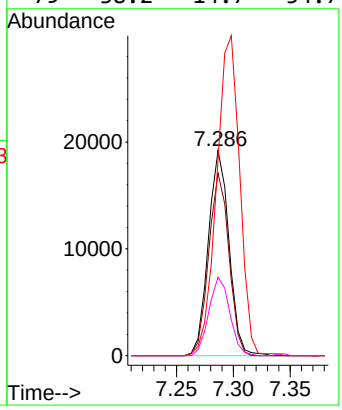




#20
3+4-Methylphenols
Concen: 6.155 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:107 Resp: 2433

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.2	110.2
77	95.5	82.7	122.7
79	38.2	14.7	54.7



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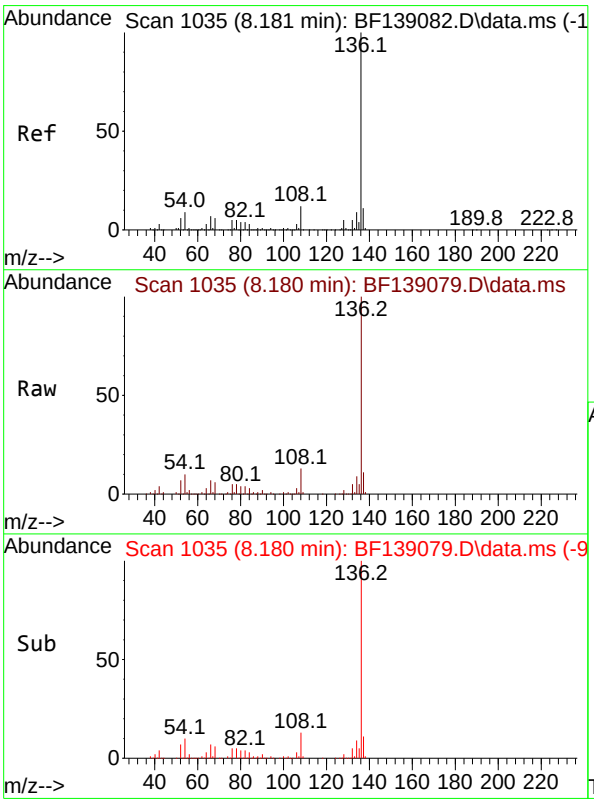
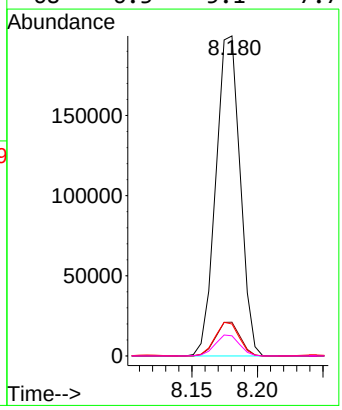
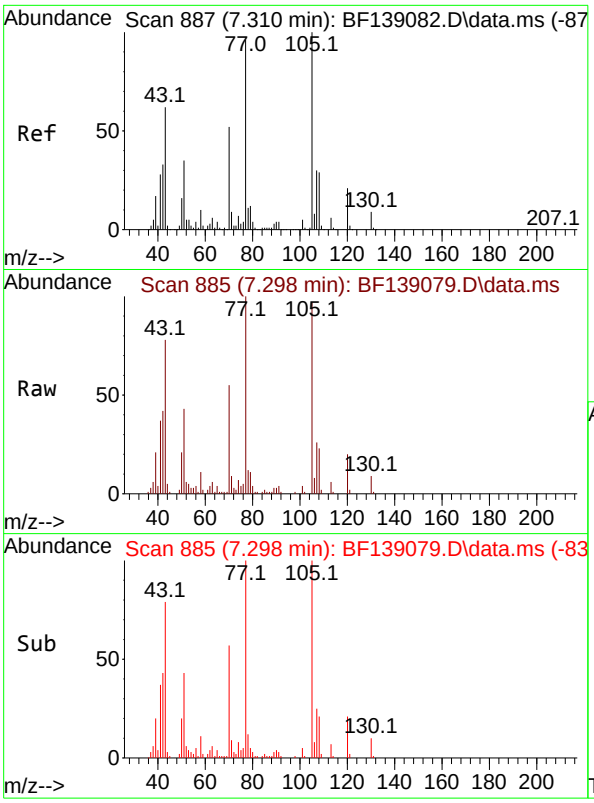


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:136 Resp: 256989

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	10.0	7.6	11.4
68	6.3	5.1	7.7

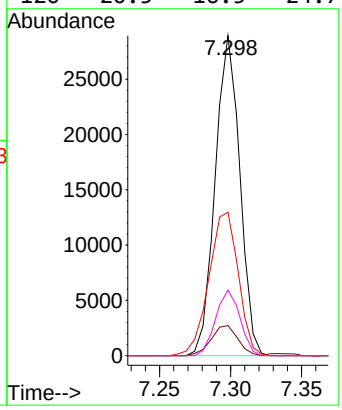




#22
Acetophenone
Concen: 5.303 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:105 Resp: 3479

Ion	Ratio	Lower	Upper
105	100		
71	9.4	7.0	10.6
51	44.9	28.0	42.0
120	20.5	16.5	24.7



Instrument :
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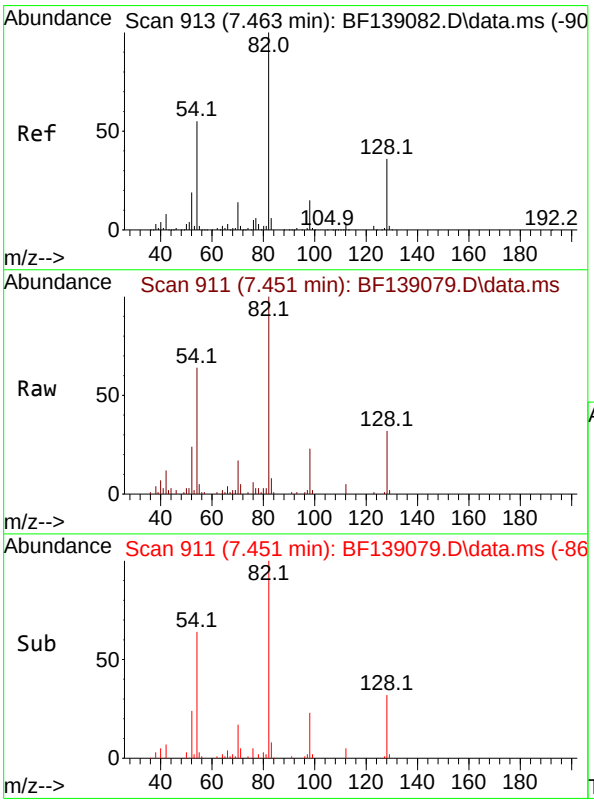
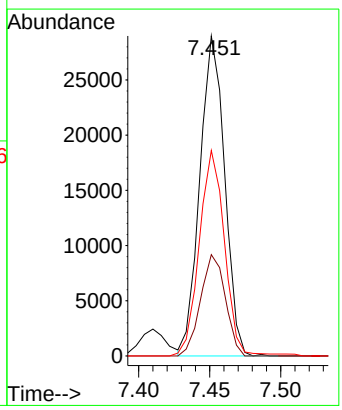
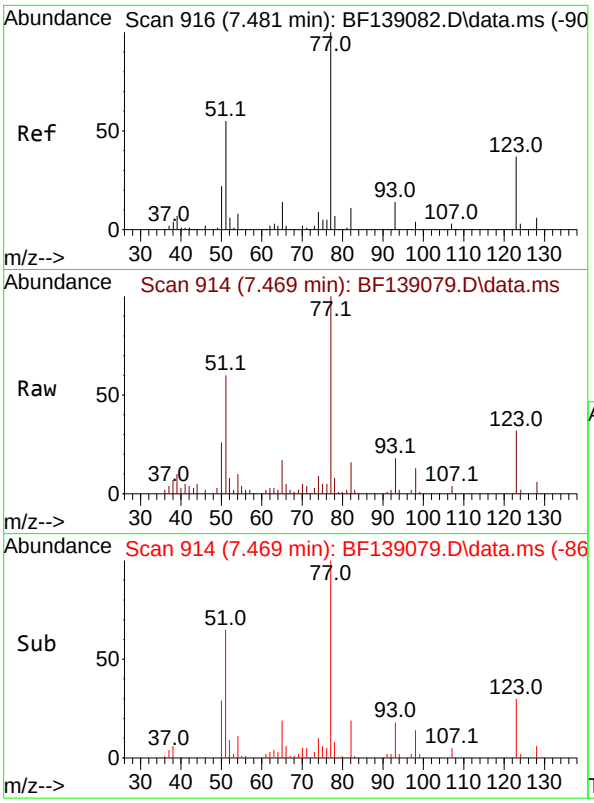


#23
Nitrobenzene-d5
Concen: 7.991 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 82 Resp: 35245

Ion	Ratio	Lower	Upper
82	100		
128	31.6	29.0	43.4
54	64.2	43.4	65.2

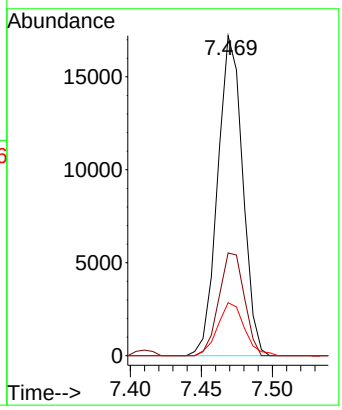




#24
Nitrobenzene
Concen: 4.295 ng
RT: 7.469 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 77 Resp: 2105

Ion	Ratio	Lower	Upper
77	100		
123	32.1	30.3	45.5
65	16.6	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
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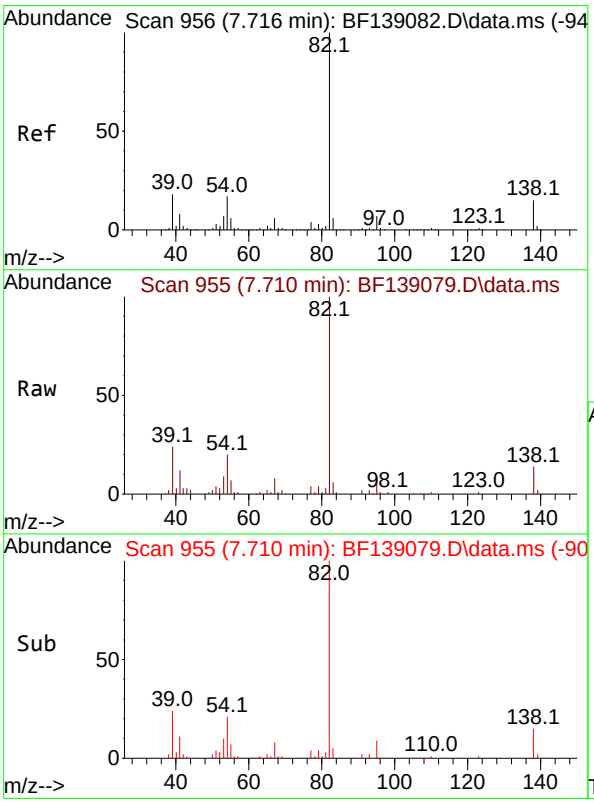
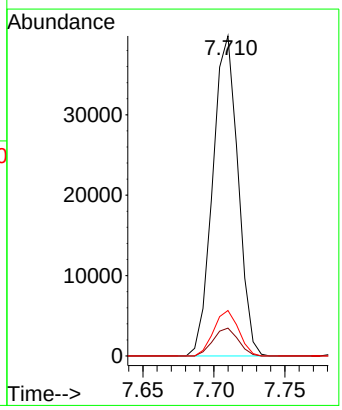
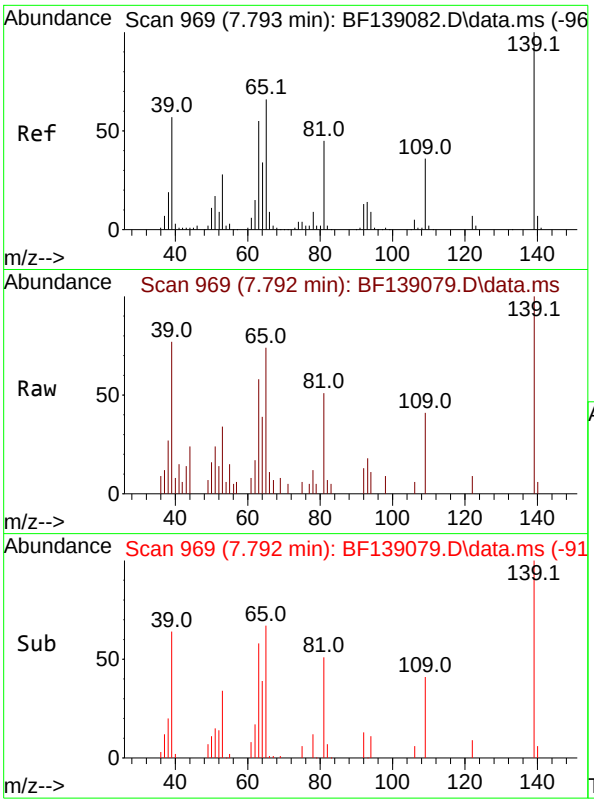


#25
Isophorone
Concen: 5.265 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 82 Resp: 49355

Ion	Ratio	Lower	Upper
82	100		
95	8.7	5.9	8.9
138	14.2	11.8	17.8

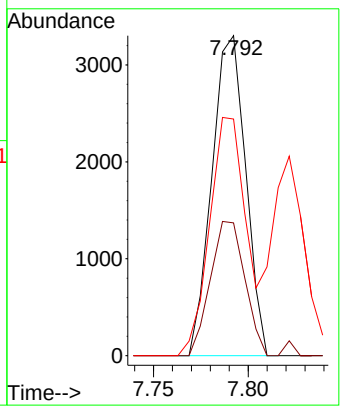




#26
2-Nitrophenol
Concen: 7.707 ng
RT: 7.792 min Scan# 9
Delta R.T. -0.001 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:139 Resp: 409

Ion	Ratio	Lower	Upper
139	100		
109	41.5	29.2	43.8
65	74.0	52.7	79.1



Instrument :
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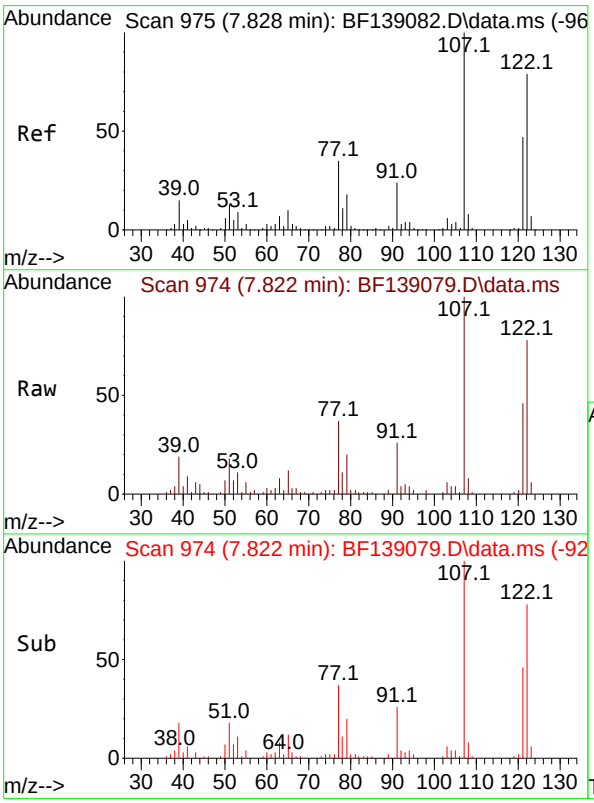
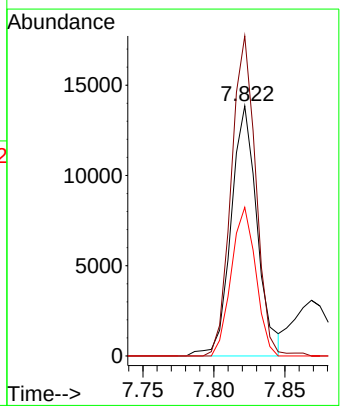
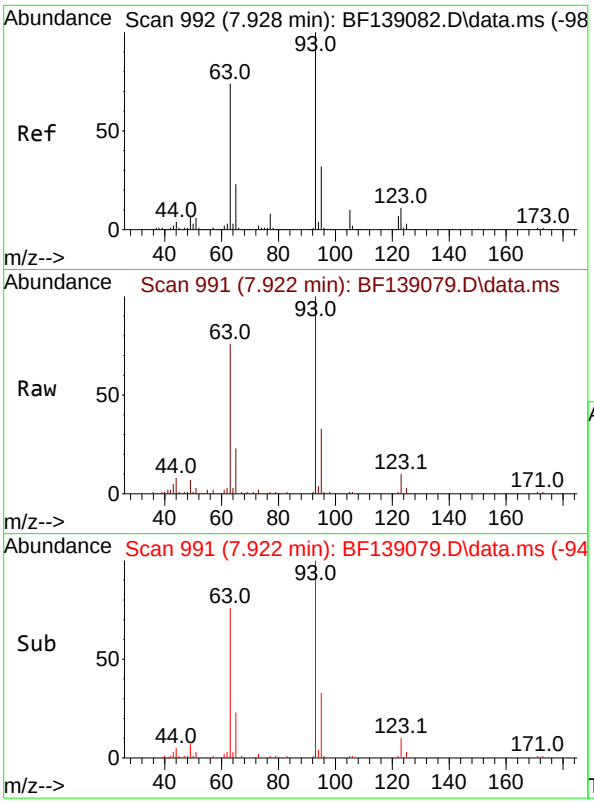


#27
2,4-Dimethylphenol
Concen: 5.950 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:122 Resp: 17686

Ion	Ratio	Lower	Upper
122	100		
107	127.9	101.1	151.7
121	59.4	47.5	71.3

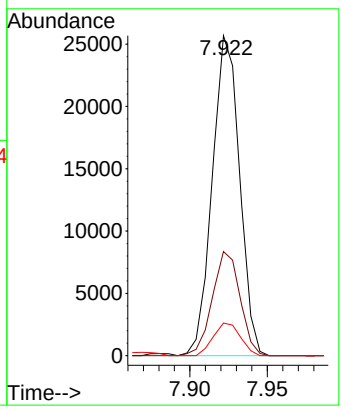




#28
bis(2-Chloroethoxy)methane
Concen: 5.739 ng
RT: 7.922 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 93 Resp: 3143

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	10.2	8.9	13.3



Instrument :
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ClientSampleId :
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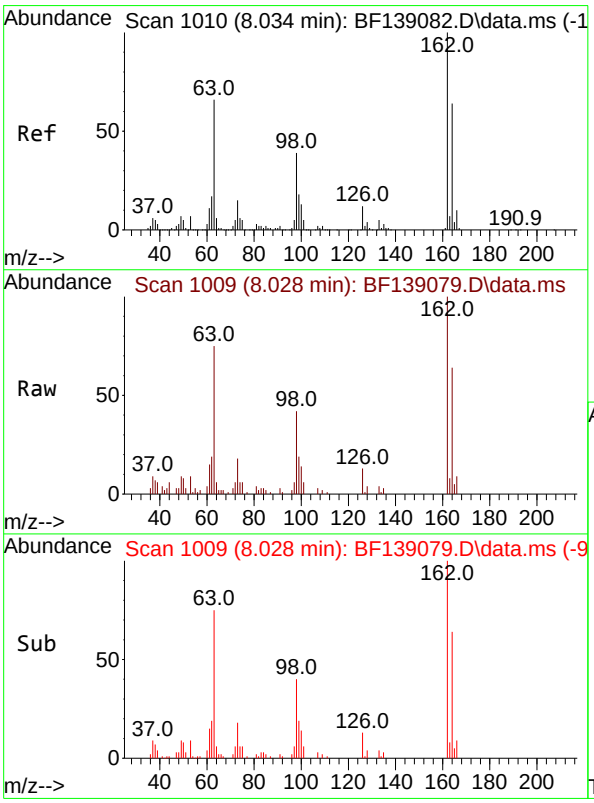
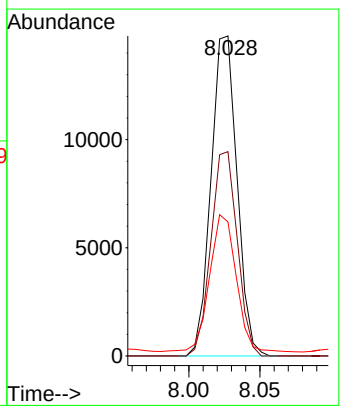
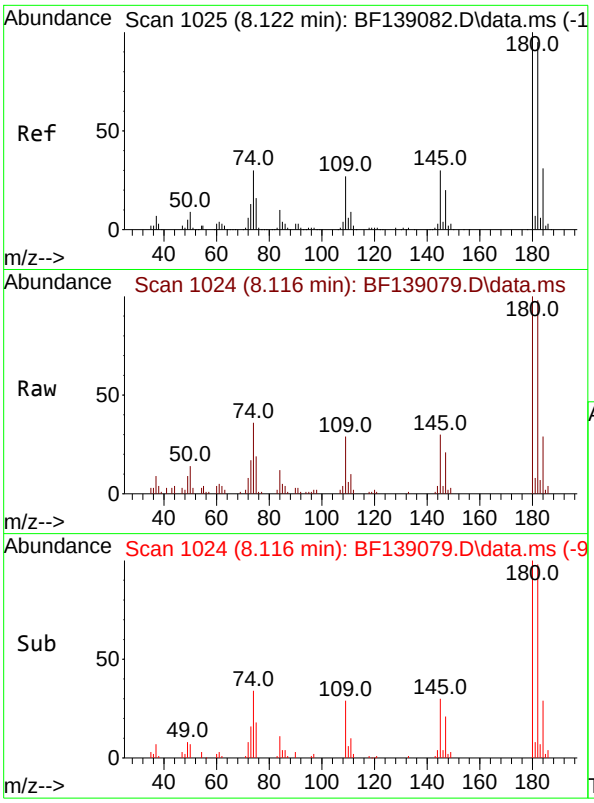


#29
2,4-Dichlorophenol
Concen: 5.091 ng
RT: 8.028 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:162 Resp: 18852

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	41.9	19.7	59.7

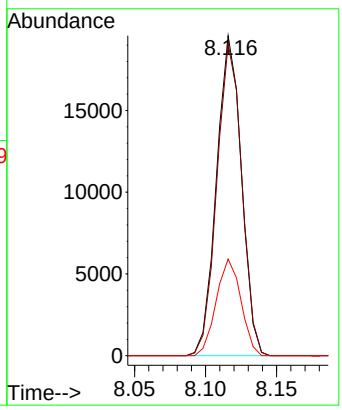




#30
1,2,4-Trichlorobenzene
Concen: 5.488 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:180 Resp: 2379

Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.1	114.1
145	30.2	23.9	35.9



Instrument :
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ClientSampleId :
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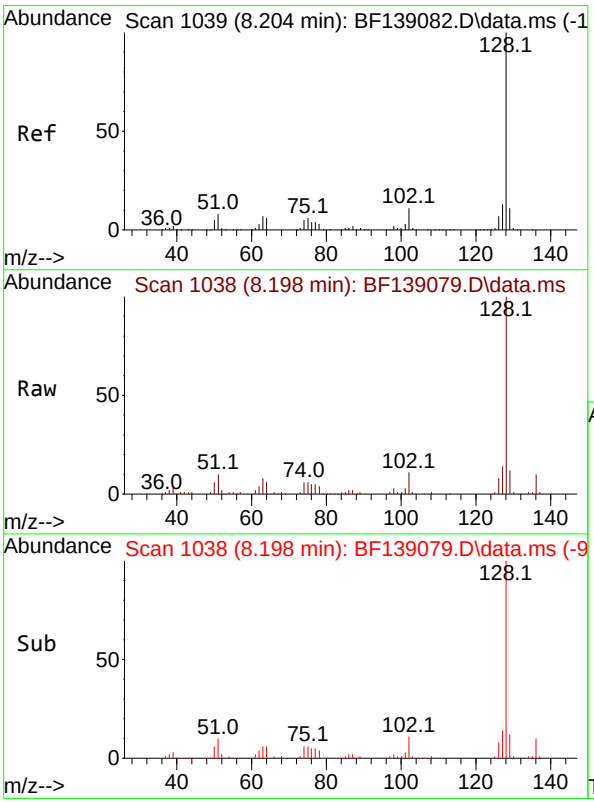
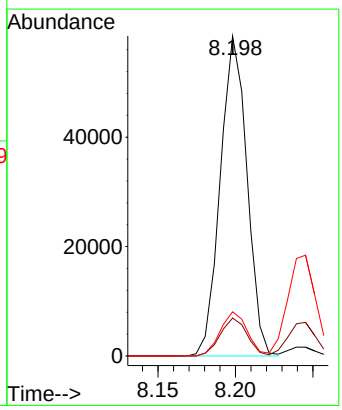
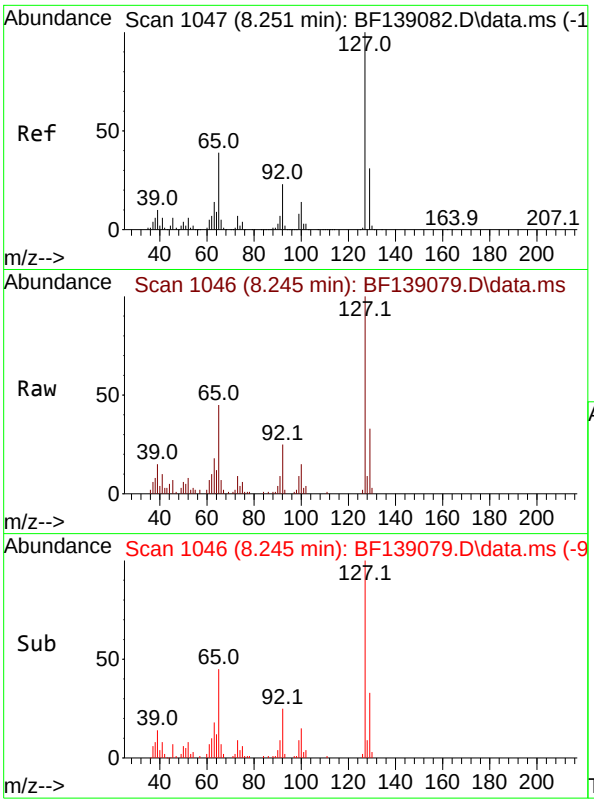


#31
Naphthalene
Concen: 5.380 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:128 Resp: 70061

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	13.8	10.7	16.1

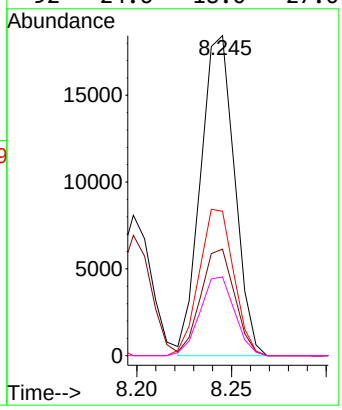




#33
4-Chloroaniline
Concen: 5.145 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:127 Resp: 2294

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.0	39.0
65	45.1	30.3	45.5
92	24.6	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
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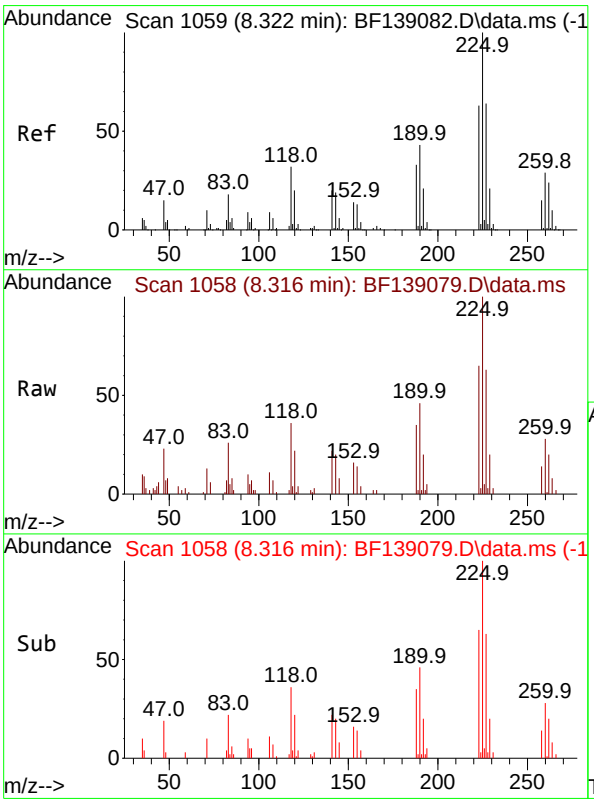
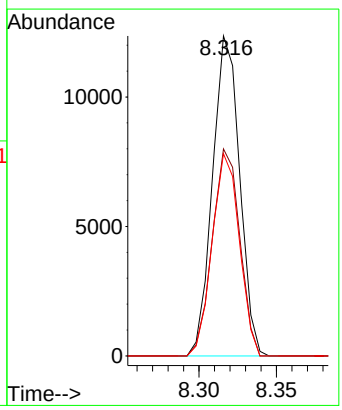
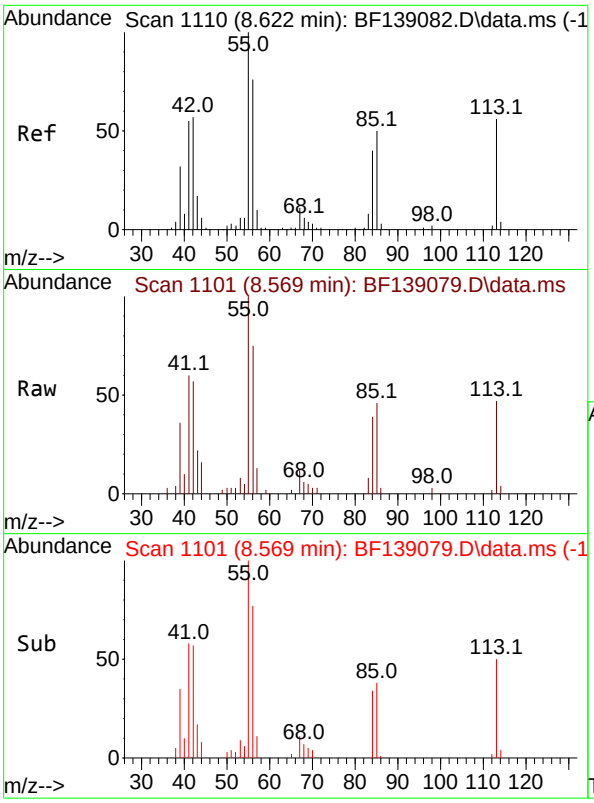


#34
Hexachlorobutadiene
Concen: 5.308 ng
RT: 8.316 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:225 Resp: 15035

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.0	75.0
227	63.2	51.4	77.2

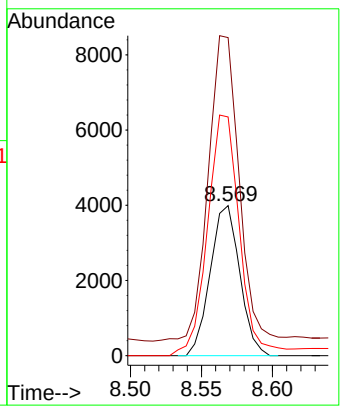




#35
Caprolactam
Concen: 4.911 ng
RT: 8.569 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:113 Resp: 576

Ion	Ratio	Lower	Upper
113	100		
55	211.9	158.6	198.6#
56	159.1	115.9	155.9#



Instrument :
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ClientSampleId :
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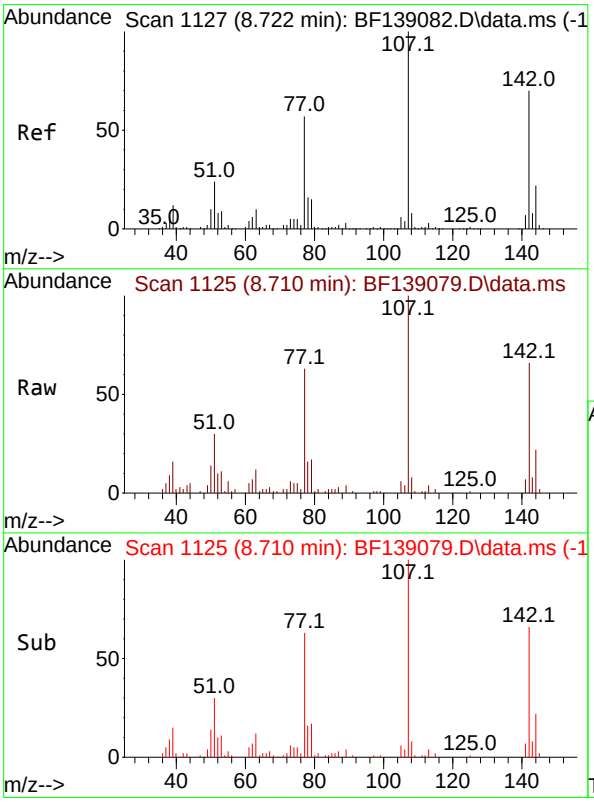
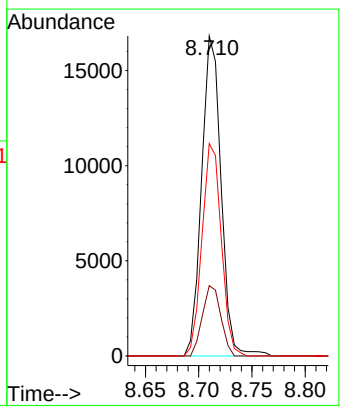
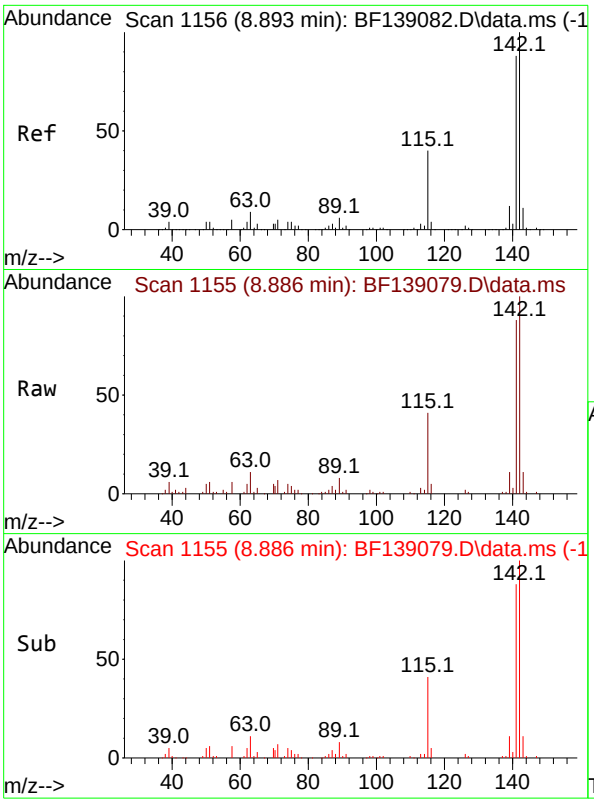


#36
4-Chloro-3-methylphenol
Concen: 5.219 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:107 Resp: 21399

Ion	Ratio	Lower	Upper
107	100		
144	22.0	17.7	26.5
142	66.3	55.6	83.4

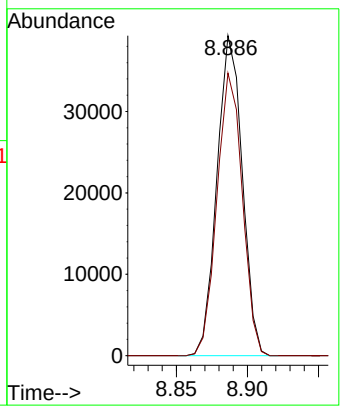




#37
2-Methylnaphthalene
Concen: 5.829 ng
RT: 8.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:142 Resp: 4868

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	105.8



Instrument :
BNA_F
ClientSampleId :
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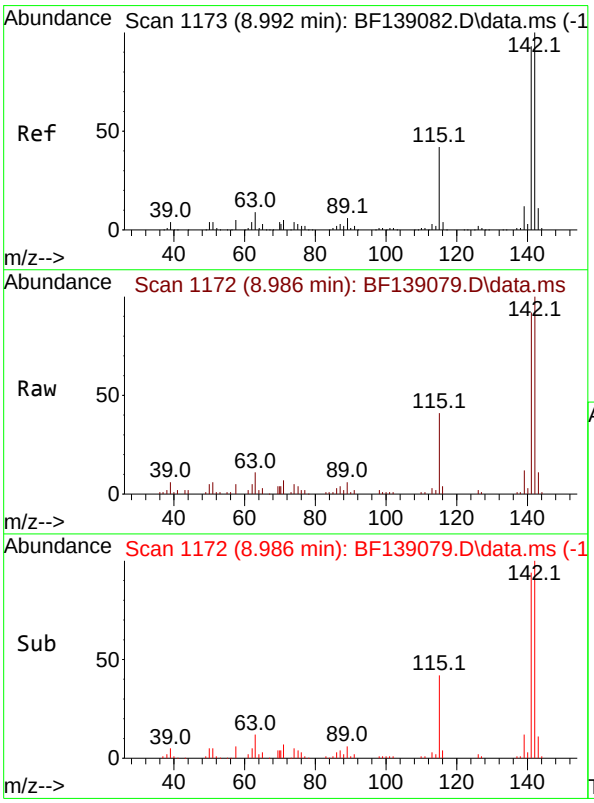
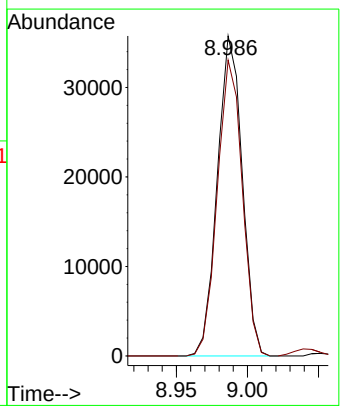
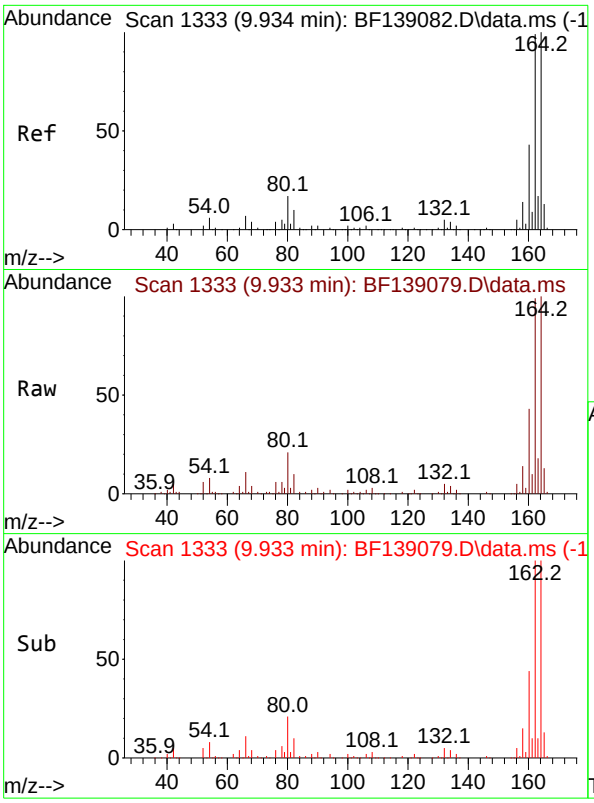


#38
1-Methylnaphthalene
Concen: 5.396 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:142 Resp: 43505

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.1	111.1

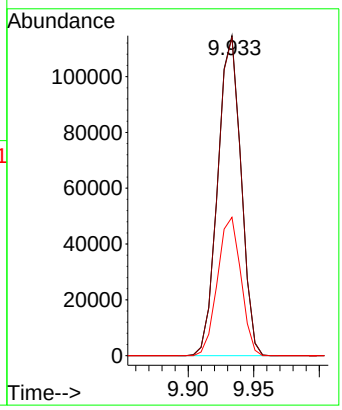




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:164 Resp: 14135

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	43.3	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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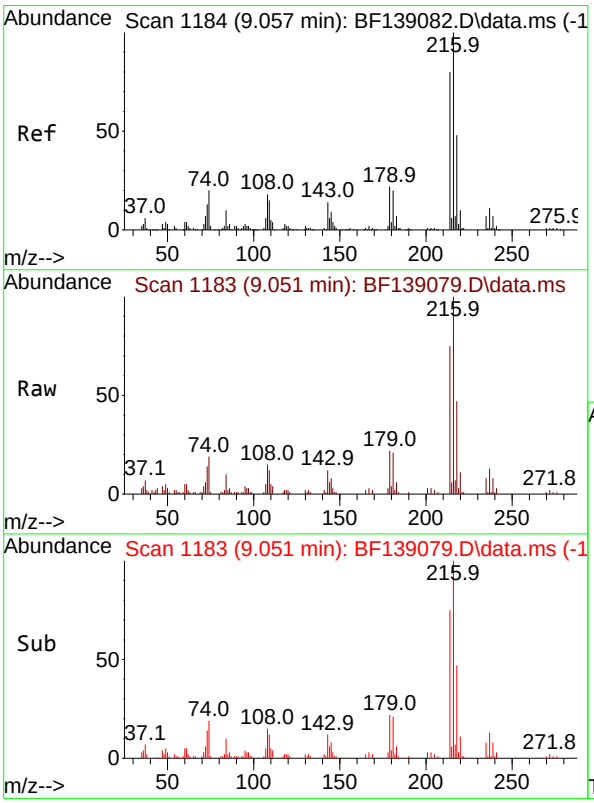
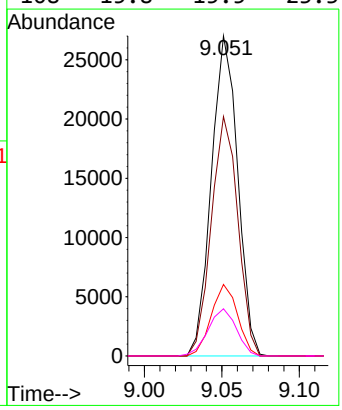
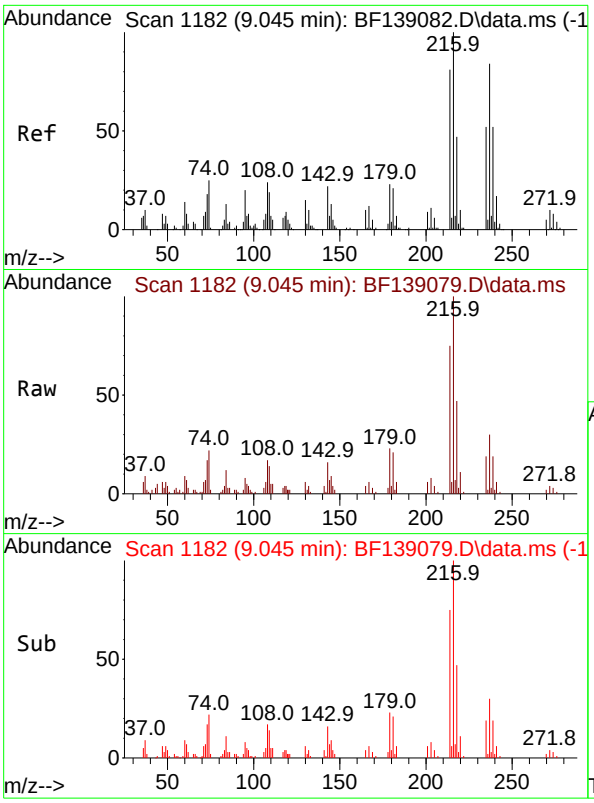


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.793 ng
RT: 9.051 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:216 Resp: 31957

Ion	Ratio	Lower	Upper
216	100		
214	75.1	64.2	96.2
179	22.3	17.4	26.2
108	15.8	15.5	23.3

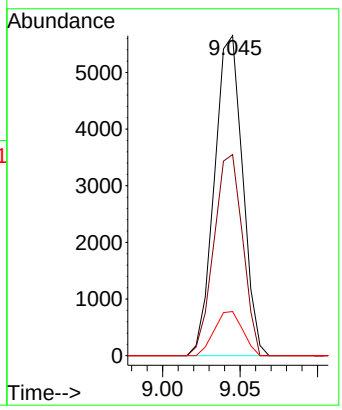




#41
Hexachlorocyclopentadiene
Concen: 4.802 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:237 Resp: 714

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.5	82.5
272	13.8	0.0	32.0



Instrument :
BNA_F
ClientSampleId :
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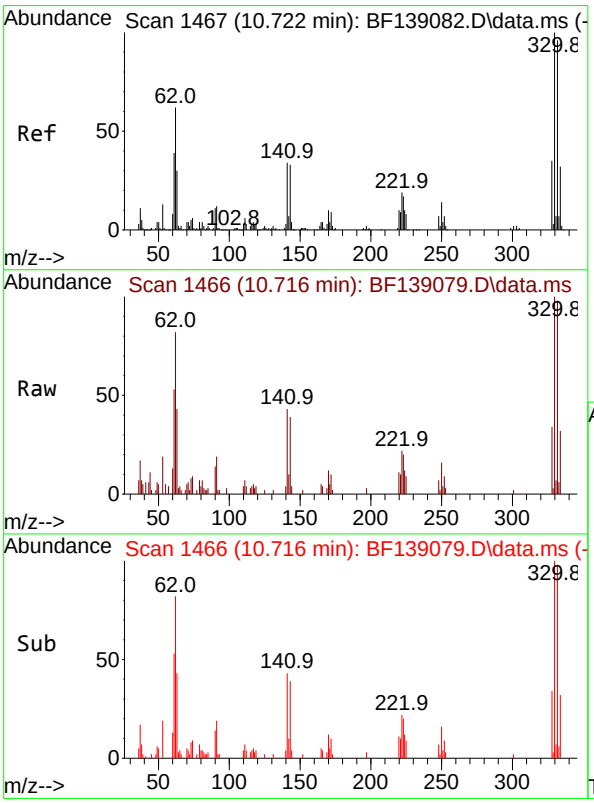
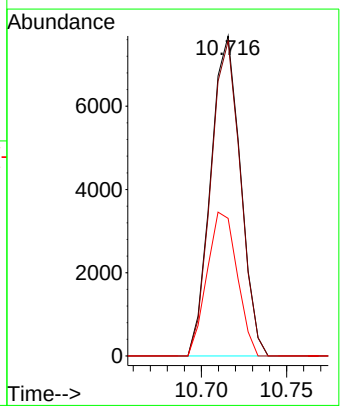
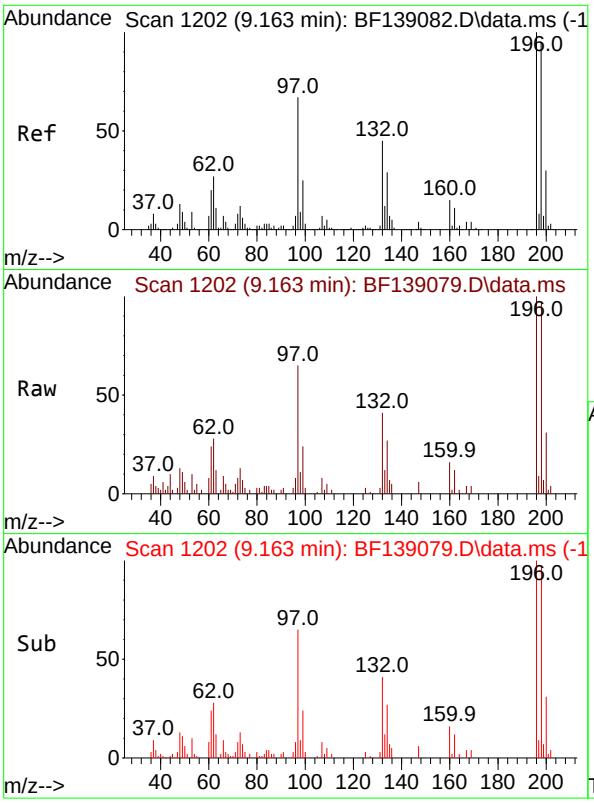


#42
2,4,6-Tribromophenol
Concen: 7.314 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:330 Resp: 9359

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	45.5	27.5	41.3#

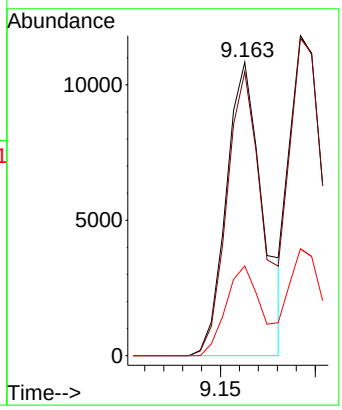




#43
2,4,6-Trichlorophenol
Concen: 5.516 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:196 Resp: 1440

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.4	114.6
200	30.6	23.8	35.8



Instrument :
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ClientSampleId :
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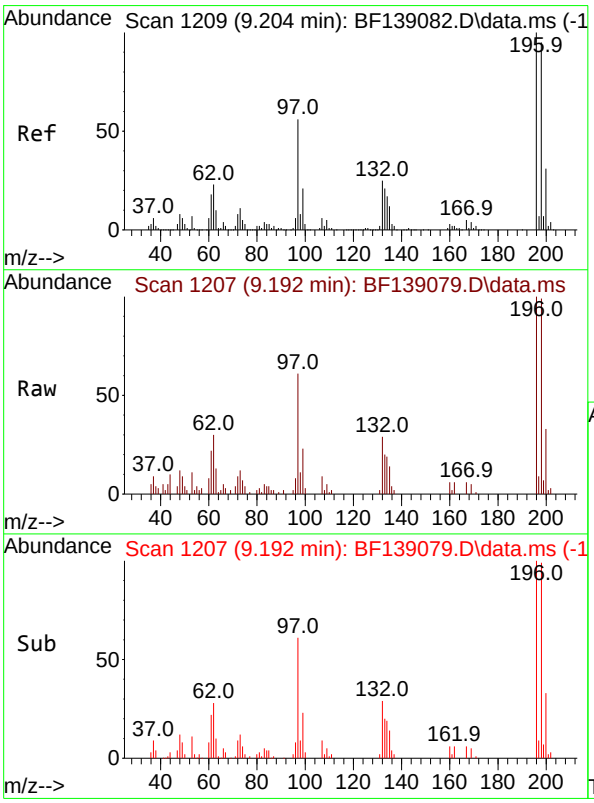
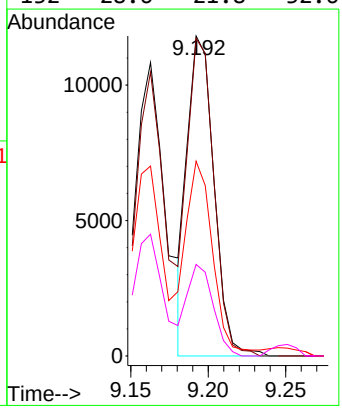
Supervised By :mohammad ahmed
08/22/2024

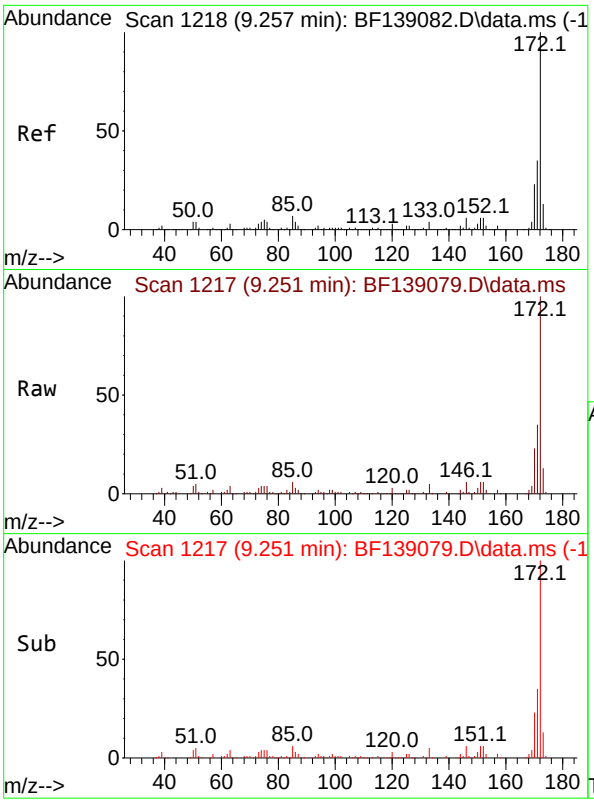


#44
2,4,5-Trichlorophenol
Concen: 5.285 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:196 Resp: 14166

Ion	Ratio	Lower	Upper
196	100		
198	99.2	76.6	114.8
97	60.8	44.6	67.0
132	28.6	21.8	32.6

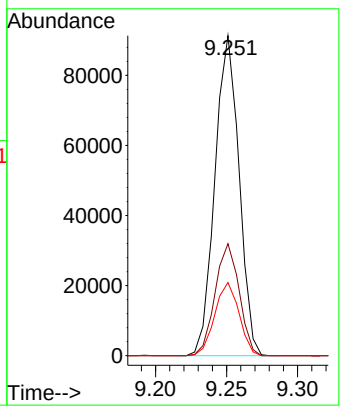




#45
2-Fluorobiphenyl
Concen: 12.109 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:172 Resp: 10787

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.4	42.6
170	22.9	18.8	28.2



Instrument :
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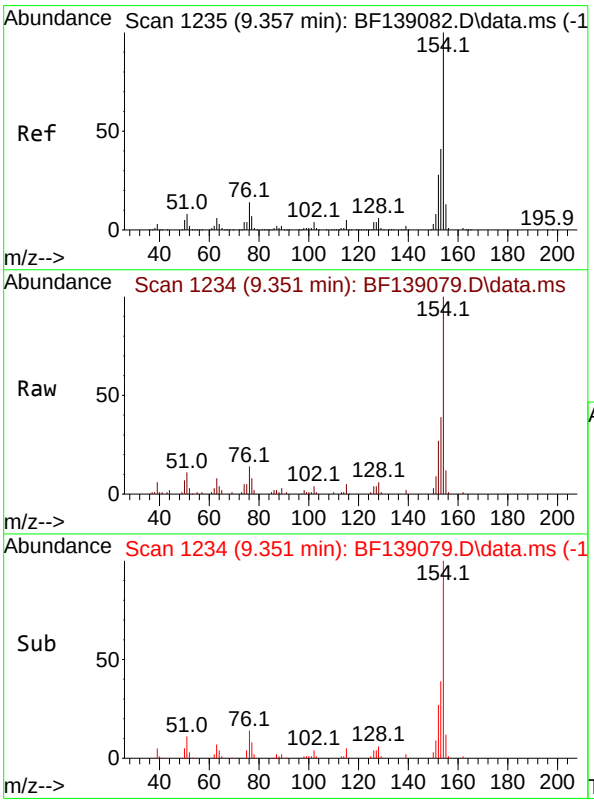
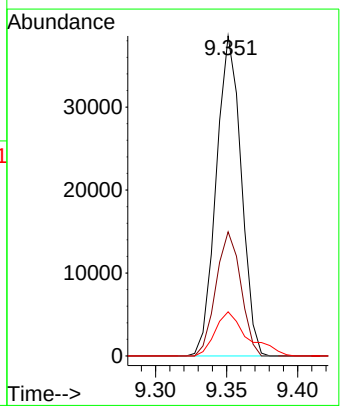
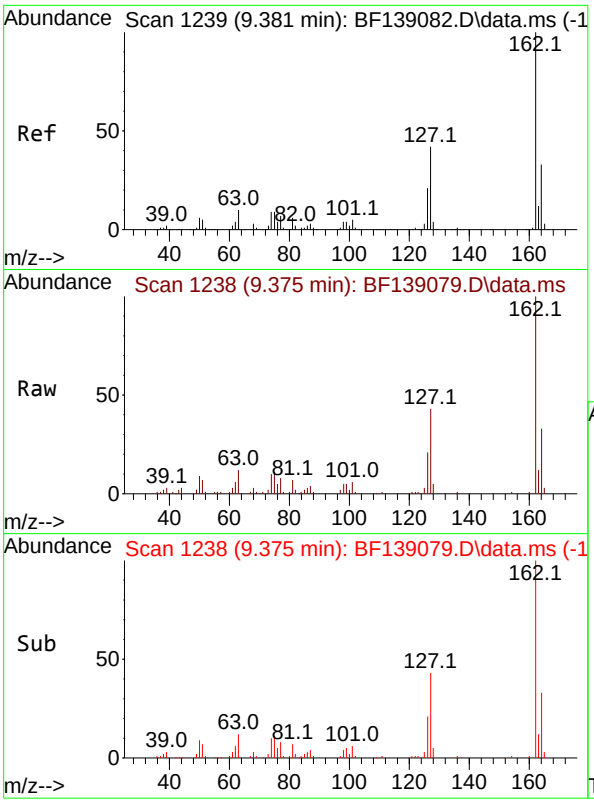


#46
1,1'-Biphenyl
Concen: 4.864 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:154 Resp: 47097

Ion	Ratio	Lower	Upper
154	100		
153	38.8	20.6	60.6
76	13.8	0.0	33.6

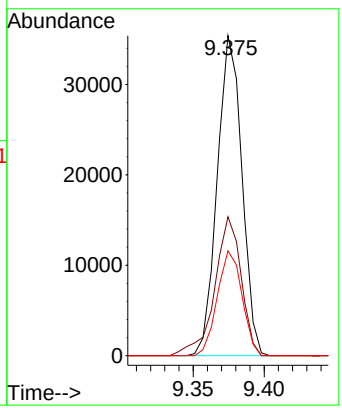




#47
2-Chloronaphthalene
Concen: 5.426 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:162 Resp: 4269

Ion	Ratio	Lower	Upper
162	100		
127	43.4	33.8	50.6
164	32.8	26.3	39.5



Instrument :
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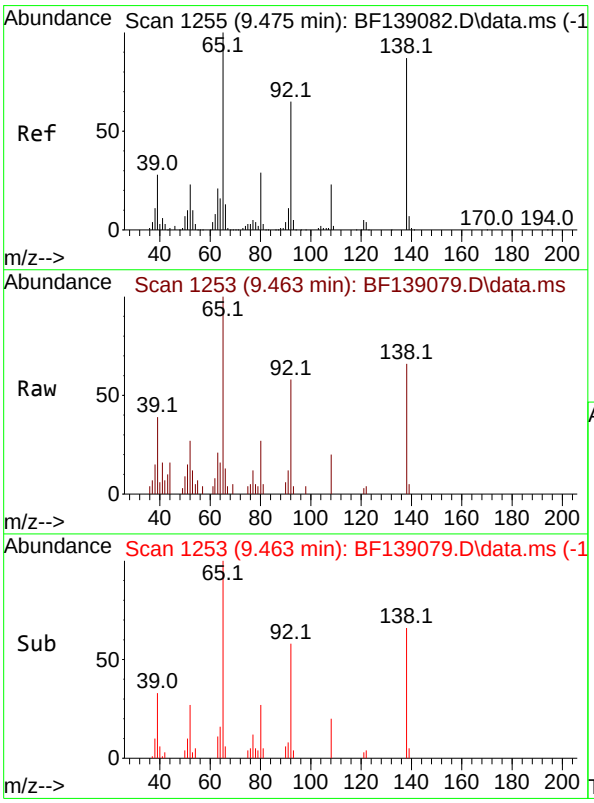
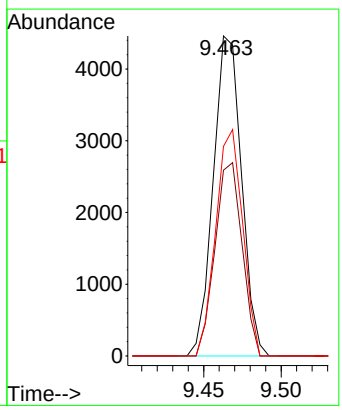
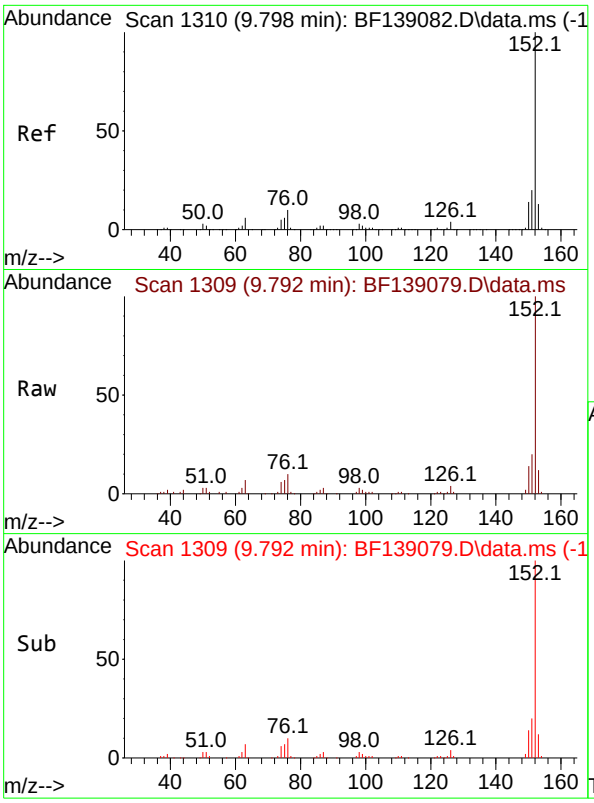


#48
2-Nitroaniline
Concen: 7.868 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 65 Resp: 5652

Ion	Ratio	Lower	Upper
65	100		
92	58.0	52.4	78.6
138	65.5	69.4	104.0#

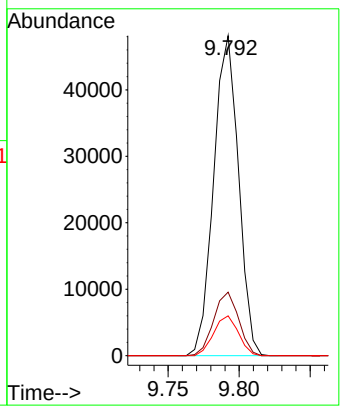




#49
Acenaphthylene
Concen: 5.191 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:152 Resp: 5850

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.4	10.6	15.8



Instrument :
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ClientSampleId :
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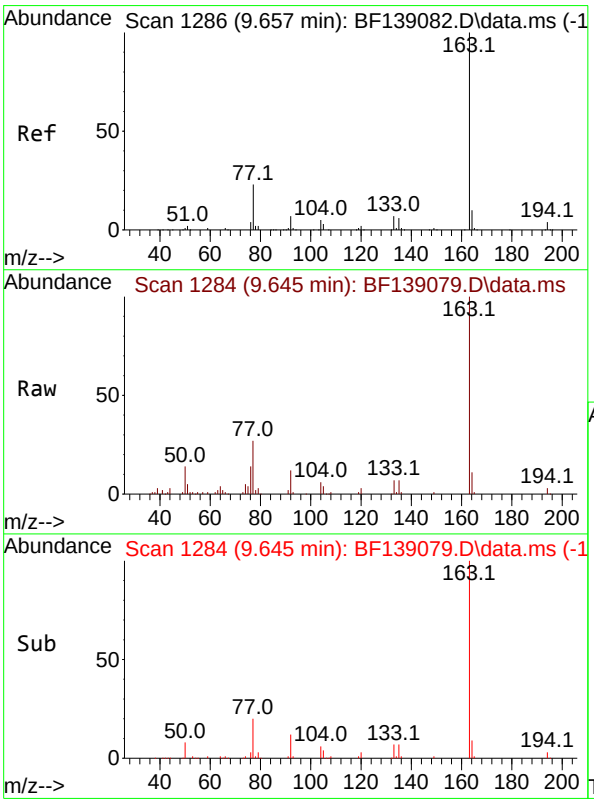
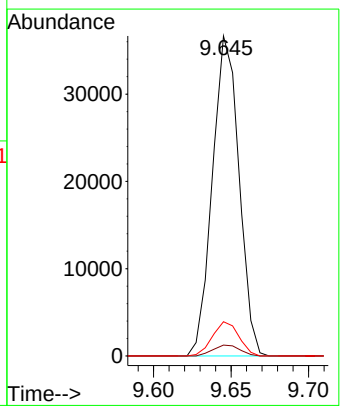
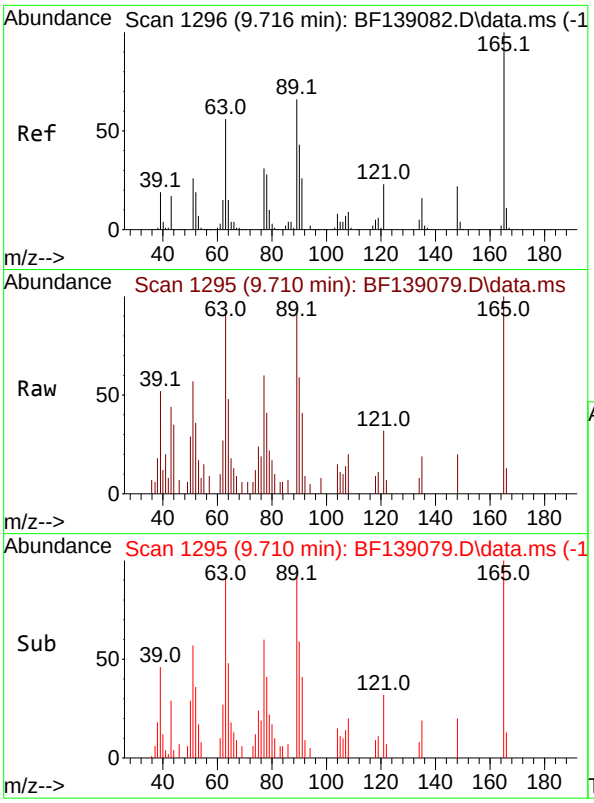


#50
Dimethylphthalate
Concen: 5.017 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:163 Resp: 43778

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.3	4.9
164	10.7	8.2	12.2

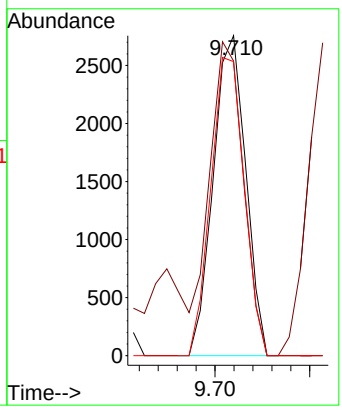




#51
2,6-Dinitrotoluene
Concen: 6.216 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:165 Resp: 328

Ion	Ratio	Lower	Upper
165	100		
63	92.1	58.0	87.0#
89	91.9	53.3	79.9#



Instrument :
BNA_F
ClientSampleId :
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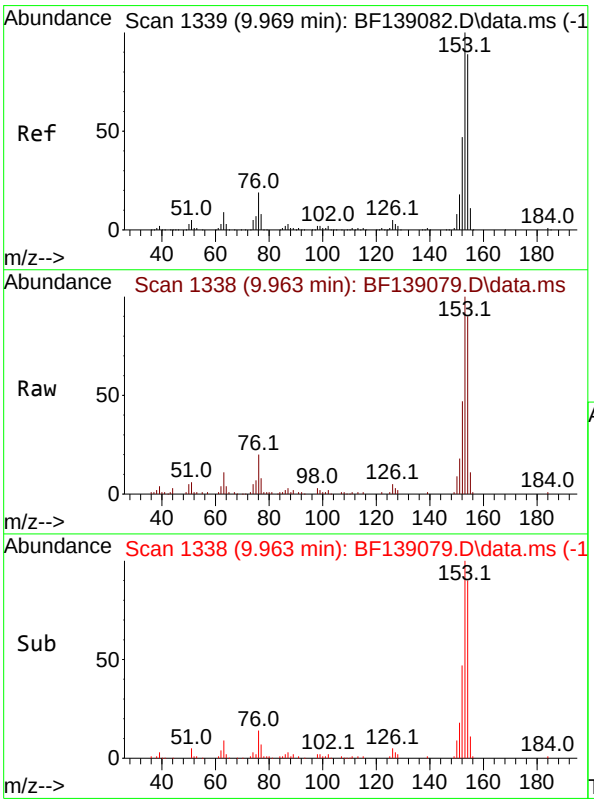
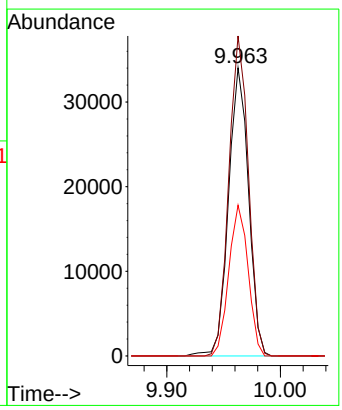
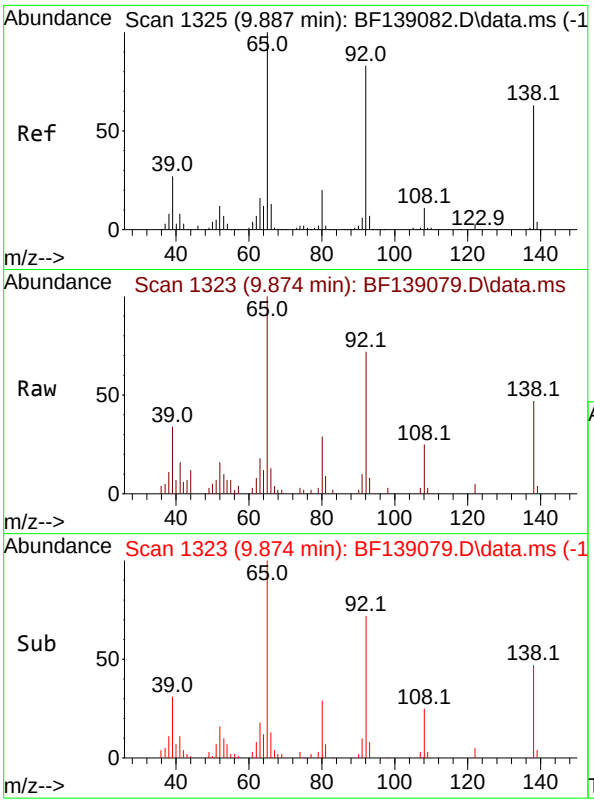


#52
Acenaphthene
Concen: 5.604 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:154 Resp: 41719

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.7	134.5
152	52.3	42.3	63.5

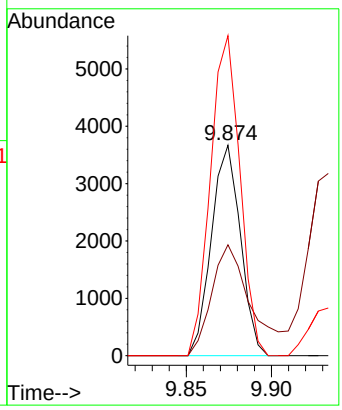




#53
3-Nitroaniline
Concen: 6.420 ng
RT: 9.874 min Scan# 1
Delta R.T. -0.013 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:138 Resp: 435

Ion	Ratio	Lower	Upper
138	100		
108	52.8	14.6	21.8
92	152.1	105.9	158.9



Instrument :
BNA_F
ClientSampleId :
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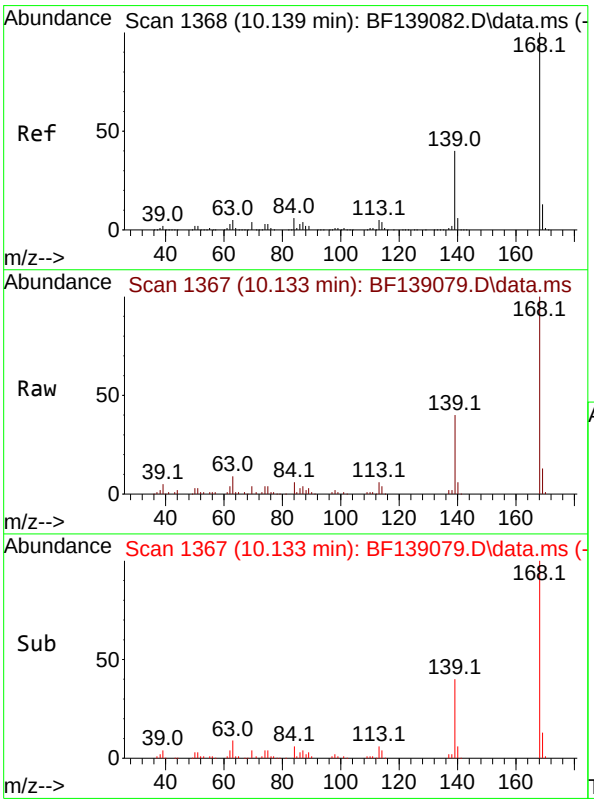
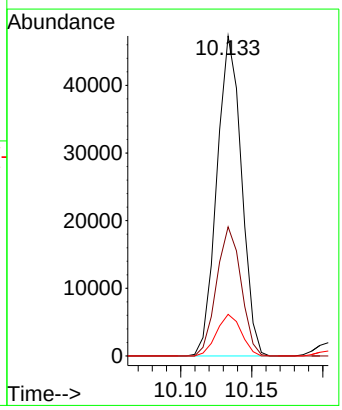
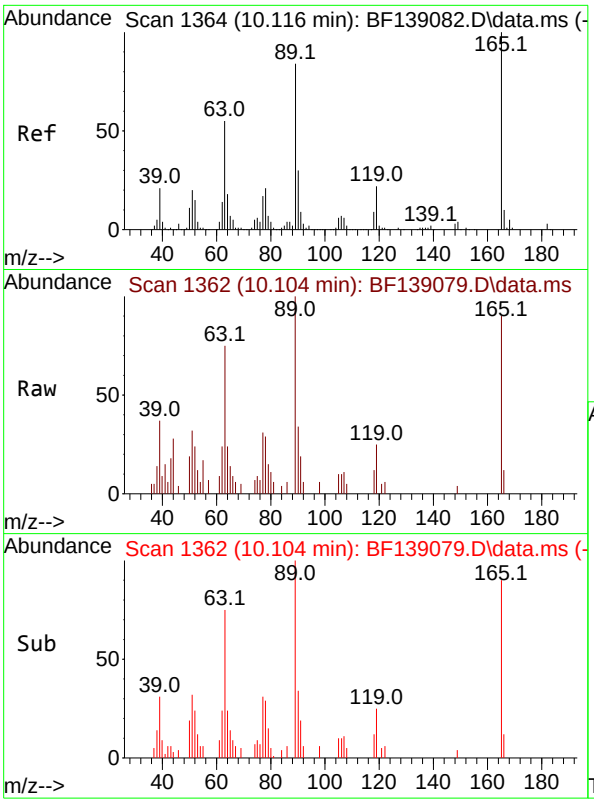


#55
Dibenzofuran
Concen: 5.264 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:168 Resp: 56918

Ion	Ratio	Lower	Upper
168	100		
139	40.4	31.6	47.4
169	13.0	10.7	16.1

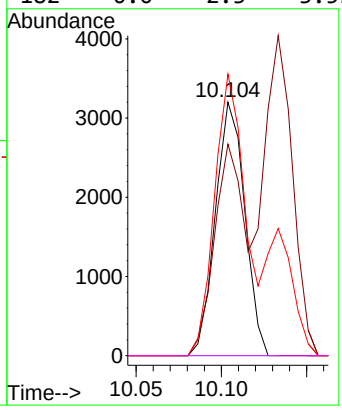




#57
2,4-Dinitrotoluene
Concen: 7.091 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:165 Resp: 383

Ion	Ratio	Lower	Upper
165	100		
63	83.5	44.2	66.4#
89	111.1	67.4	101.2#
182	0.0	2.3	3.5#



Instrument :
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ClientSampleId :
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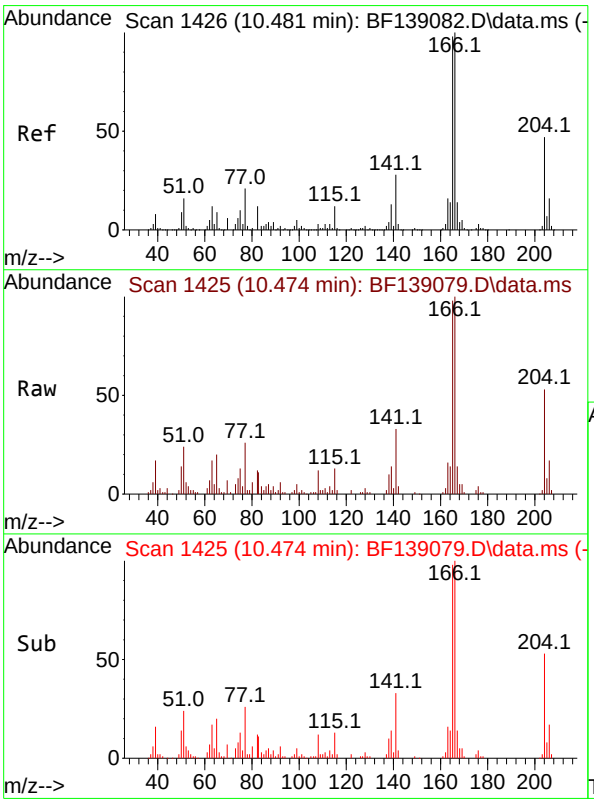
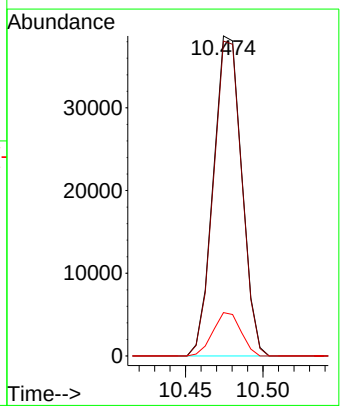
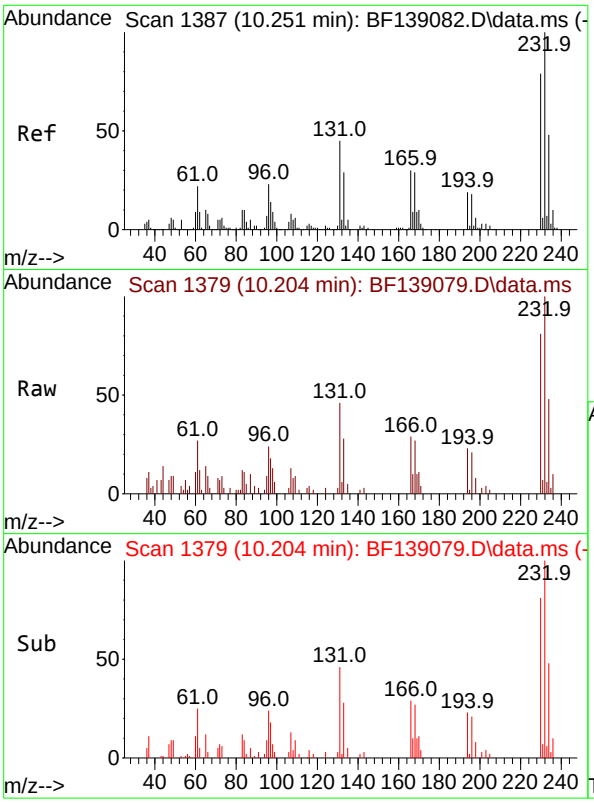


#58
Fluorene
Concen: 5.706 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:166 Resp: 49312

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.0	117.0
167	13.6	11.0	16.4

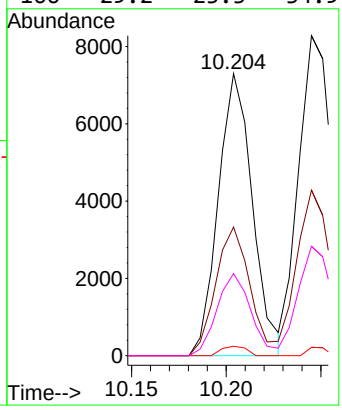




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.257 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:232 Resp: 916

Ion	Ratio	Lower	Upper
232	100		
131	44.9	36.0	54.0
130	2.4	2.0	3.0
166	29.2	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
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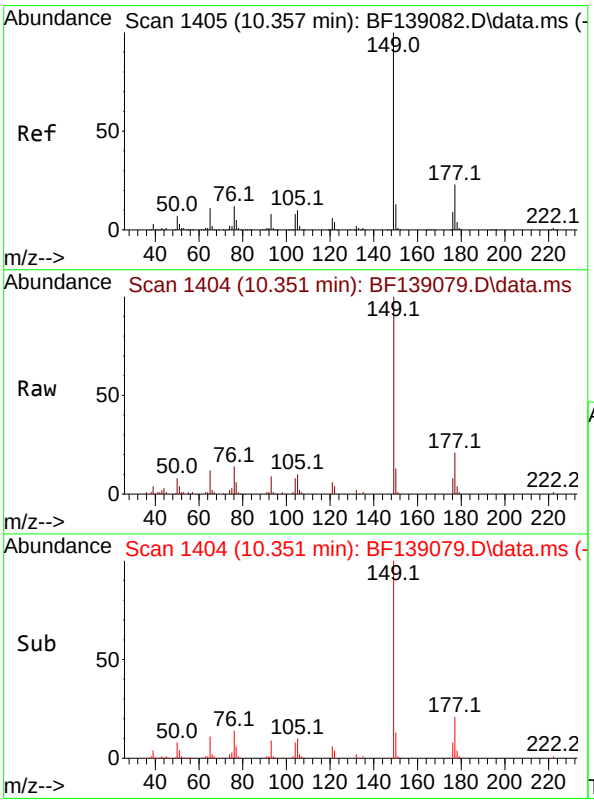
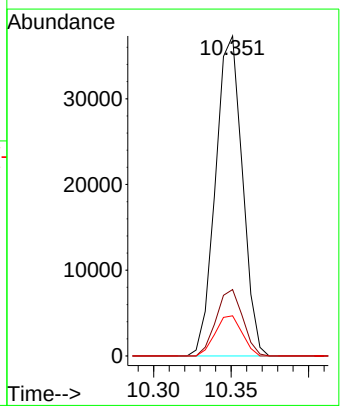
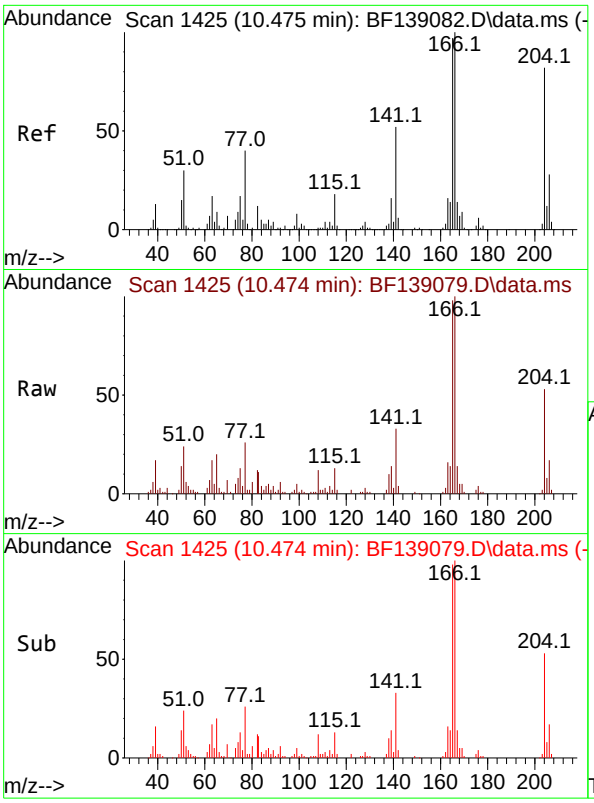


#60
Diethylphthalate
Concen: 5.209 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 45043

Ion	Ratio	Lower	Upper
149	100		
177	20.7	18.4	27.6
150	12.5	10.2	15.2

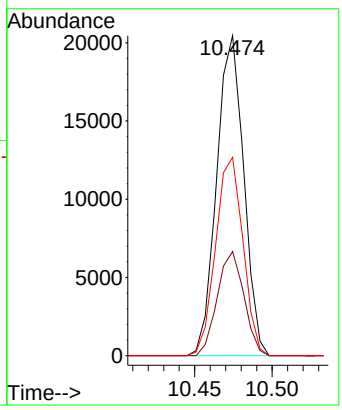




#61
4-Chlorophenyl-phenylether
Concen: 5.755 ng
RT: 10.474 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:204 Resp: 2484

Ion	Ratio	Lower	Upper
204	100		
206	32.5	27.0	40.4
141	62.0	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
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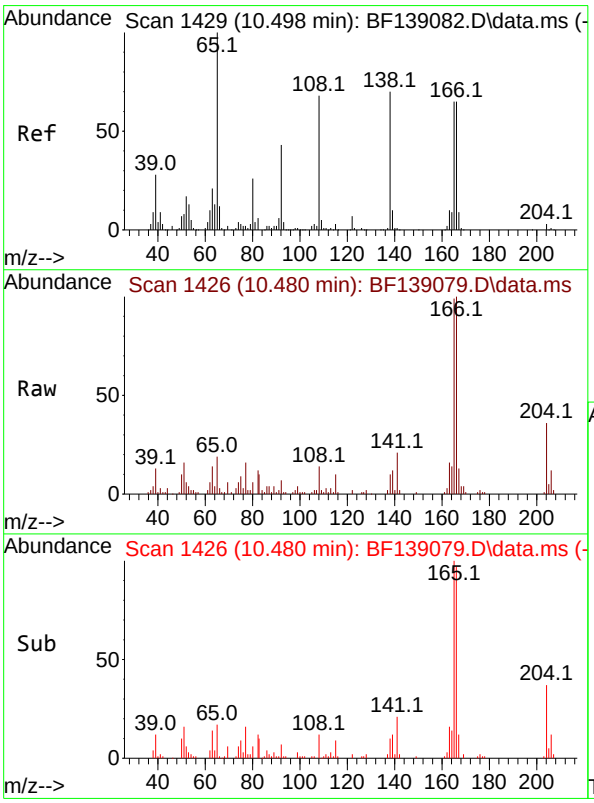
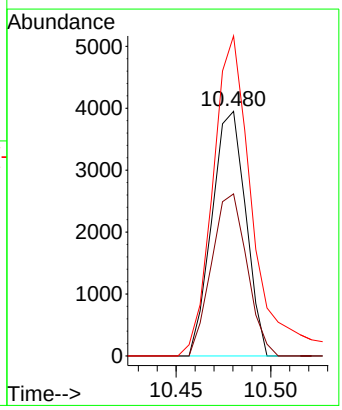
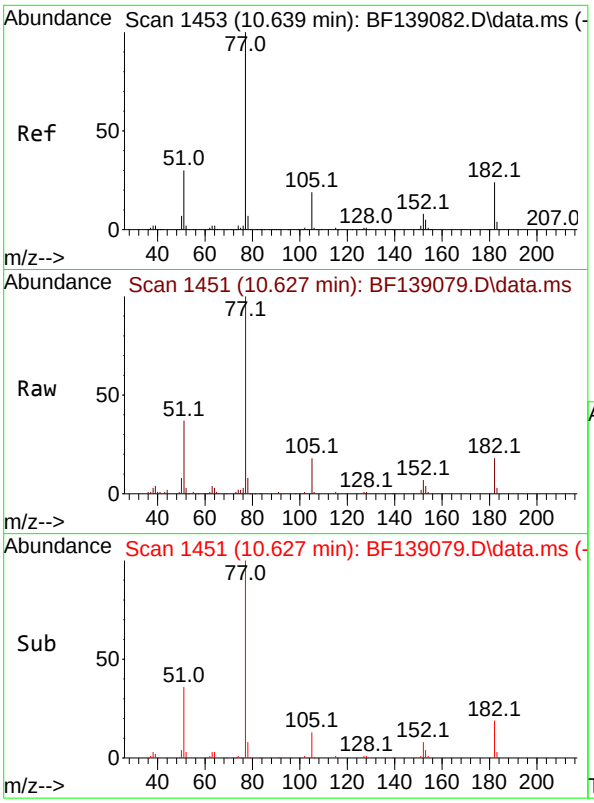


#62
4-Nitroaniline
Concen: 6.235 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:138 Resp: 4902

Ion	Ratio	Lower	Upper
138	100		
92	66.2	41.4	81.4
108	130.8	76.8	116.8#

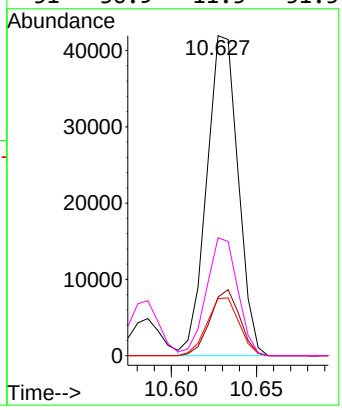




#63
Azobenzene
Concen: 5.593 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 77 Resp: 5374

Ion	Ratio	Lower	Upper
77	100		
182	18.3	4.0	44.0
105	17.8	0.0	39.1
51	36.9	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
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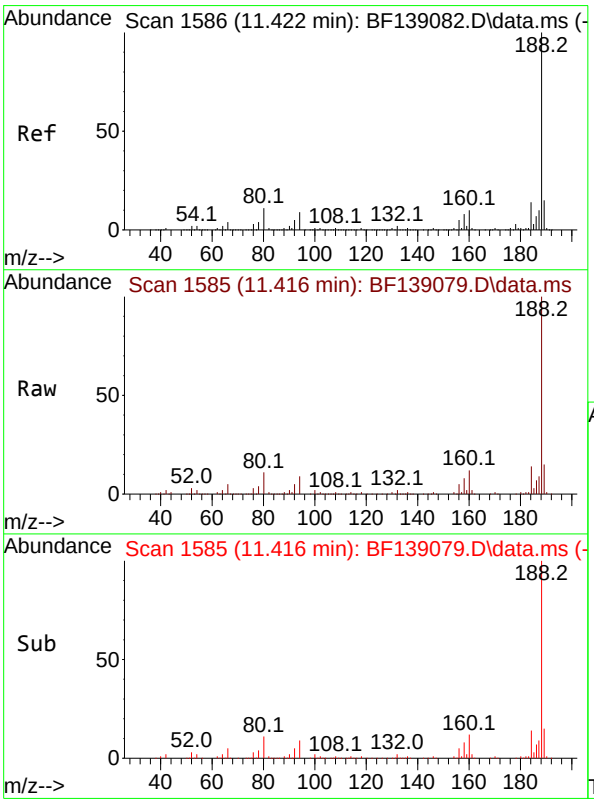
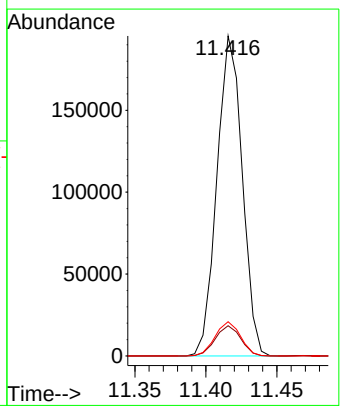
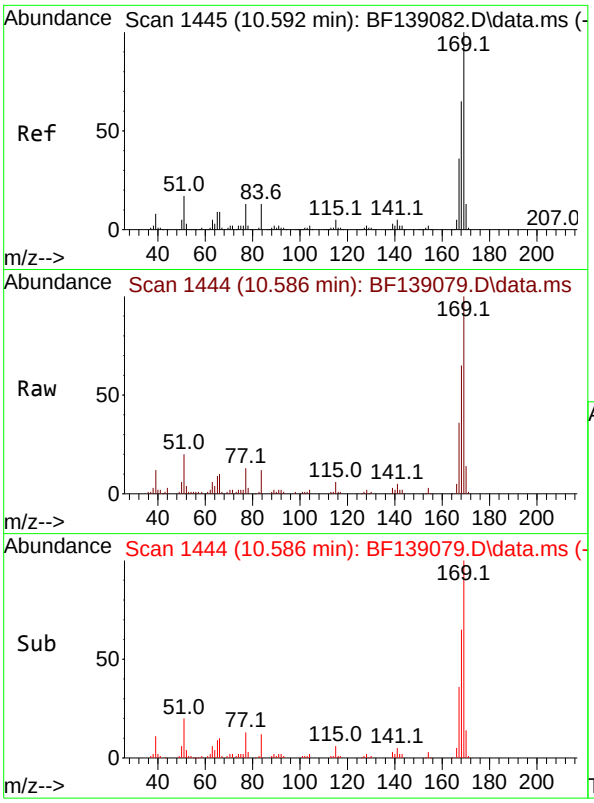


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:188 Resp: 242346

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.7	8.5	12.7

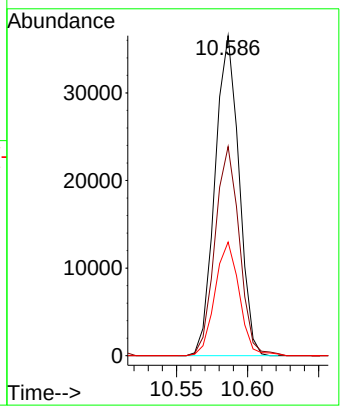




#66
n-Nitrosodiphenylamine
Concen: 5.975 ng
RT: 10.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:169 Resp: 4284

Ion	Ratio	Lower	Upper
169	100		
168	65.3	52.4	78.6
167	35.5	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
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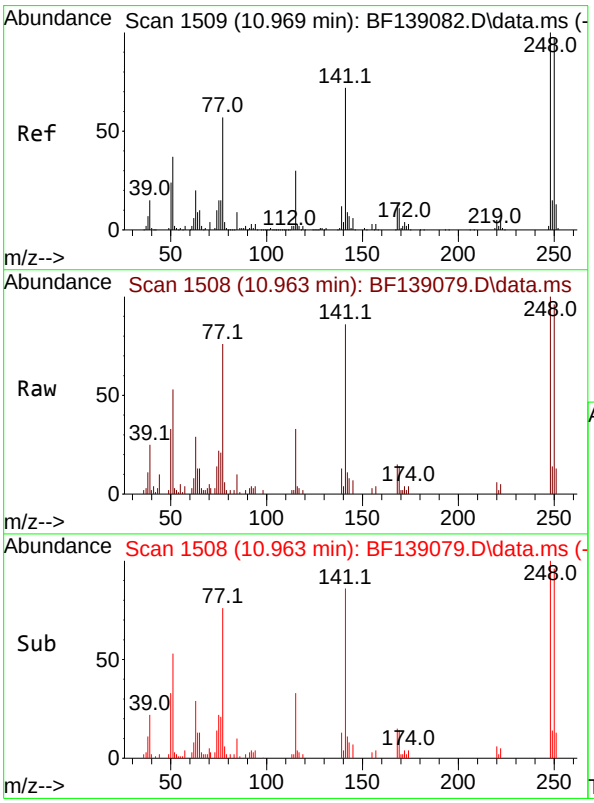
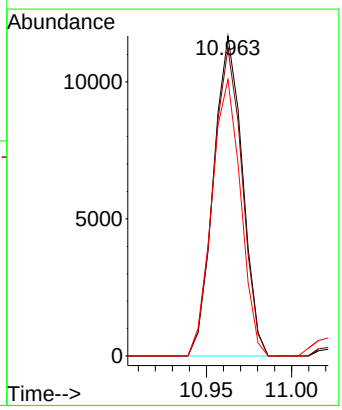
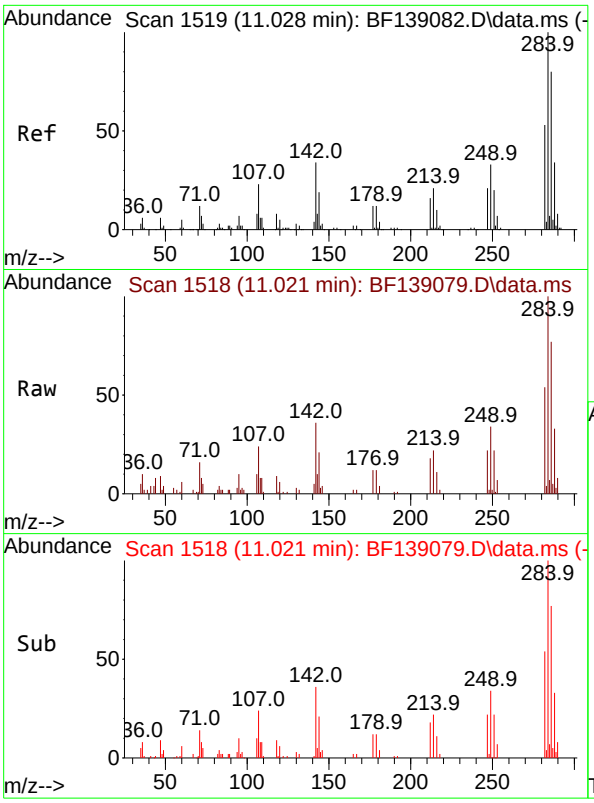


#67
4-Bromophenyl-phenylether
Concen: 5.369 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:248 Resp: 13787

Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.8	116.8
141	86.4	57.9	86.9

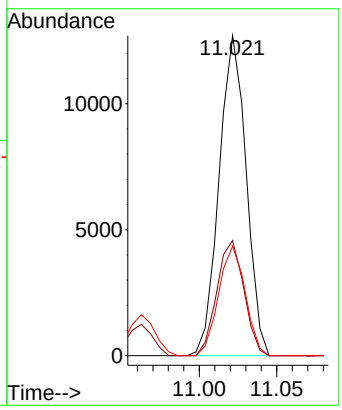




#68
Hexachlorobenzene
Concen: 5.600 ng
RT: 11.021 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:284 Resp: 1542

Ion	Ratio	Lower	Upper
284	100		
142	36.0	27.1	40.7
249	34.2	26.8	40.2



Instrument :
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ClientSampleId :
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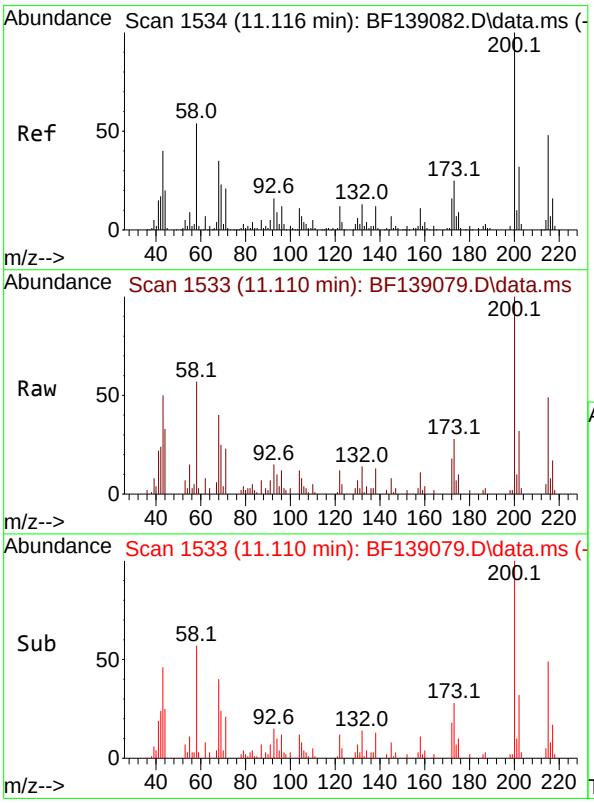
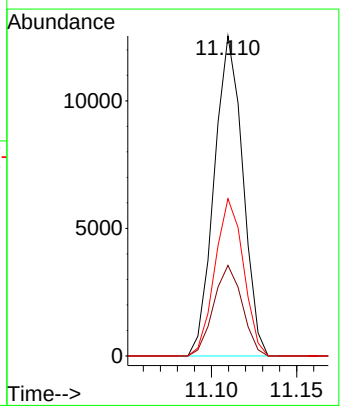
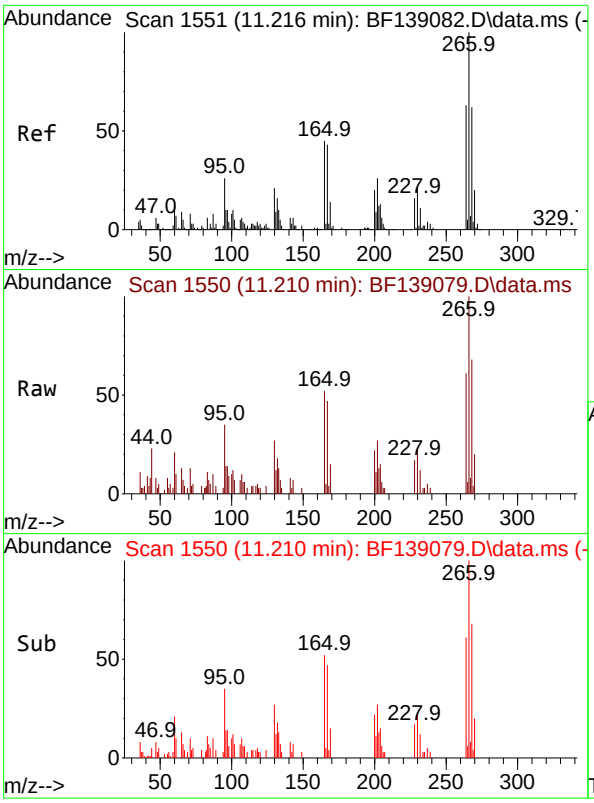


#69
Atrazine
Concen: 6.667 ng
RT: 11.110 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:200 Resp: 14600

Ion	Ratio	Lower	Upper
200	100		
173	28.3	5.2	45.2
215	49.1	27.9	67.9

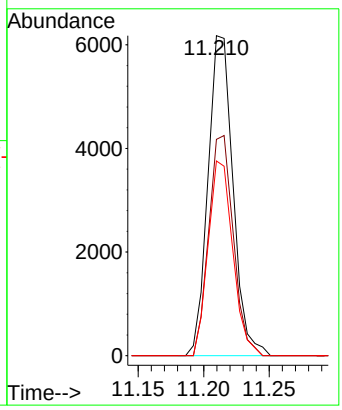




#70
Pentachlorophenol
Concen: 4.657 ng
RT: 11.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:266 Resp: 819

Ion	Ratio	Lower	Upper
266	100		
268	67.6	49.5	74.3
264	60.8	50.0	75.0



Instrument :
BNA_F
ClientSampleId :
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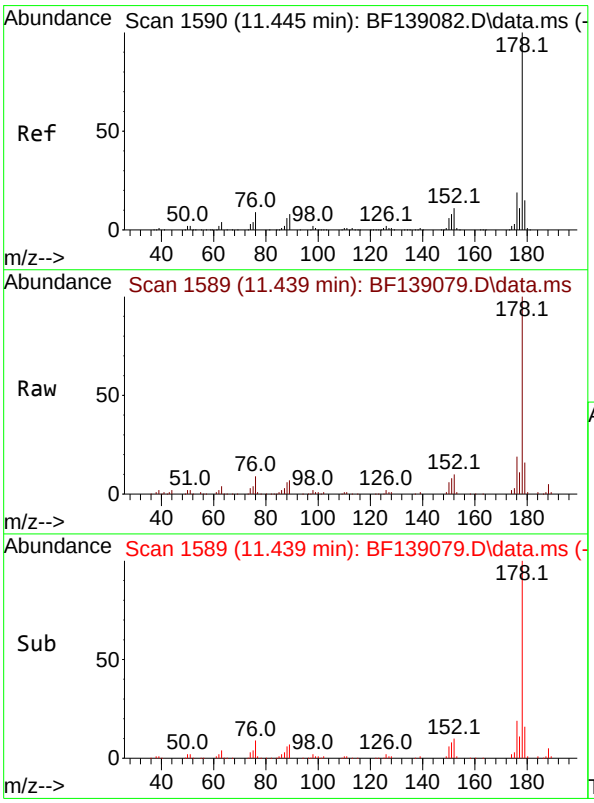
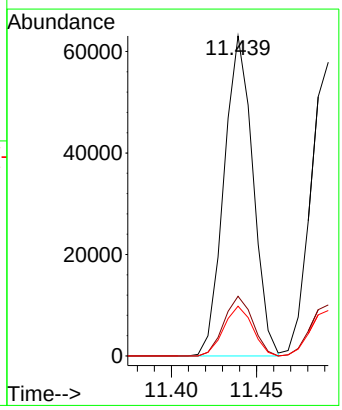
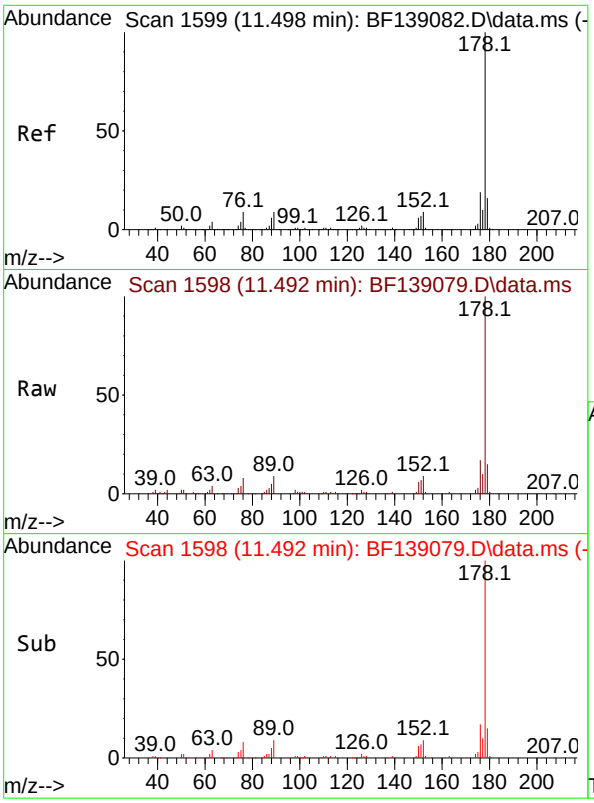


#71
Phenanthrene
Concen: 6.041 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:178 Resp: 74418

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.6	12.3	18.5

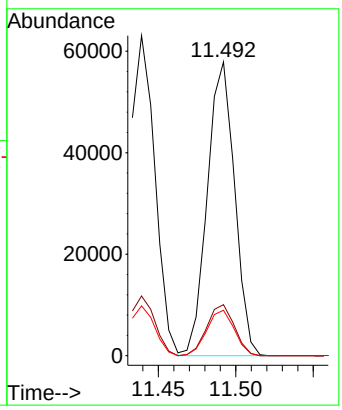




#72
Anthracene
Concen: 5.892 ng
RT: 11.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:178 Resp: 7097

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	15.5	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
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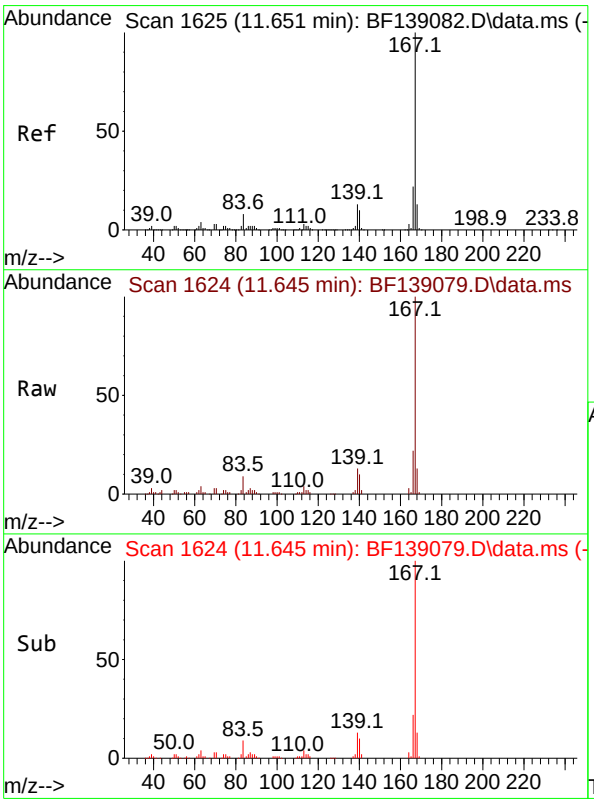
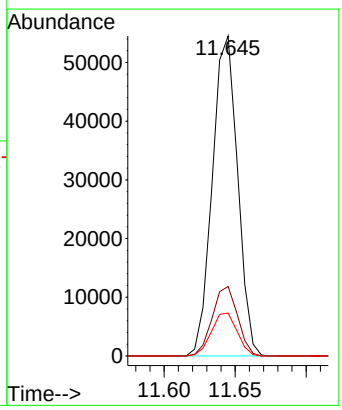
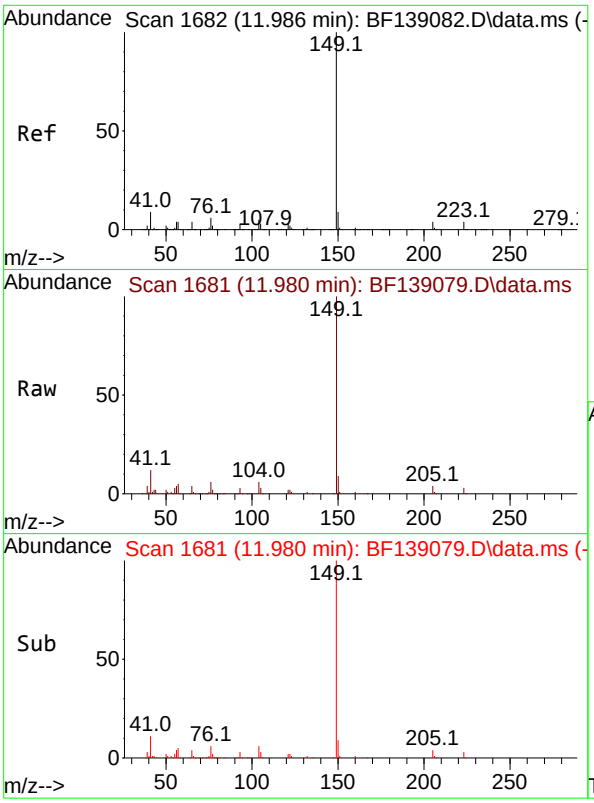


#73
Carbazole
Concen: 5.991 ng
RT: 11.645 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:167 Resp: 67389

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	13.4	10.5	15.7

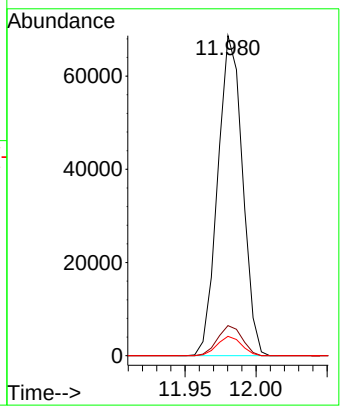




#74
Di-n-butylphthalate
Concen: 6.376 ng
RT: 11.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 8317

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	6.1	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
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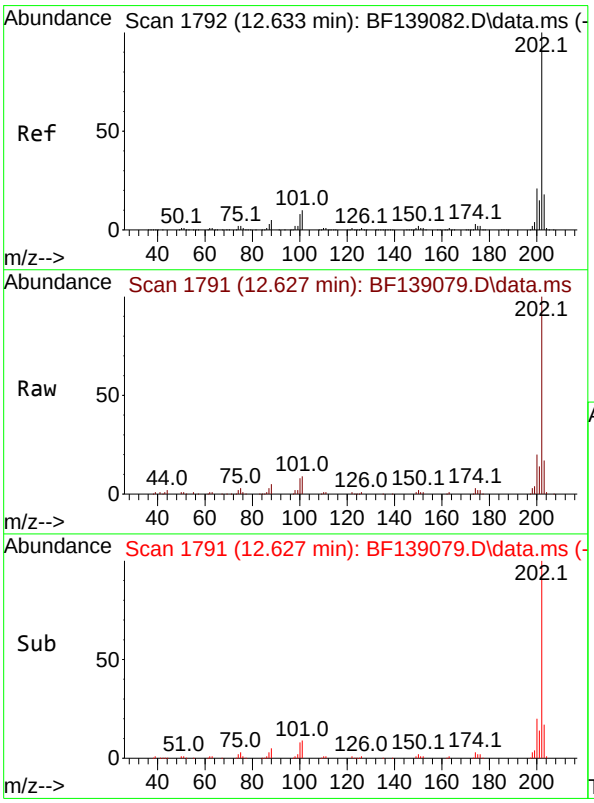
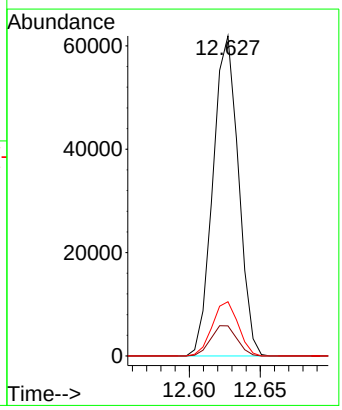
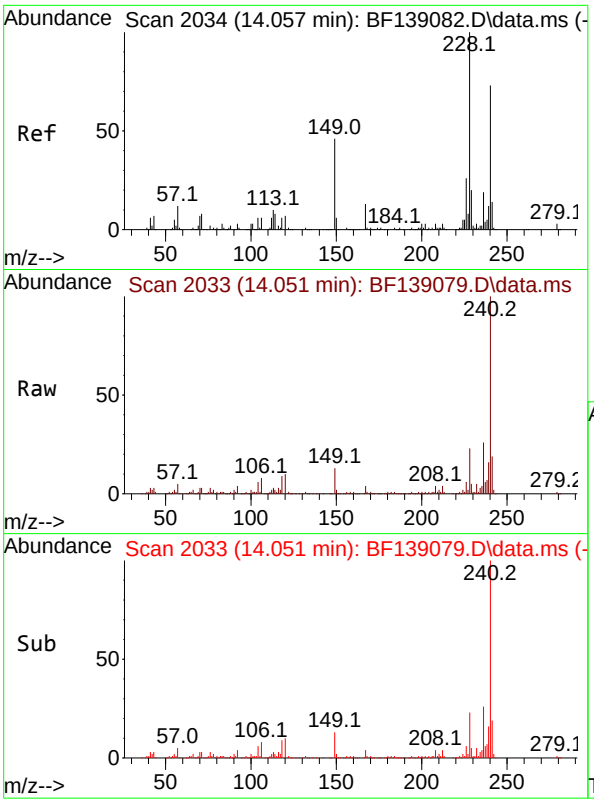


#75
Fluoranthene
Concen: 5.876 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:202 Resp: 77258

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.0	0.0	37.6

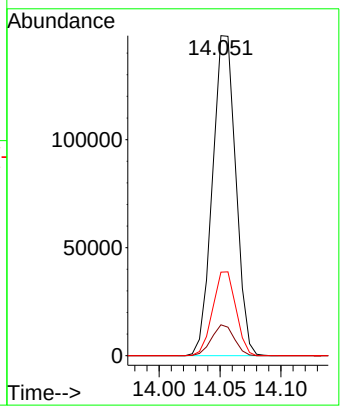




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:240 Resp: 19733

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	26.1	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
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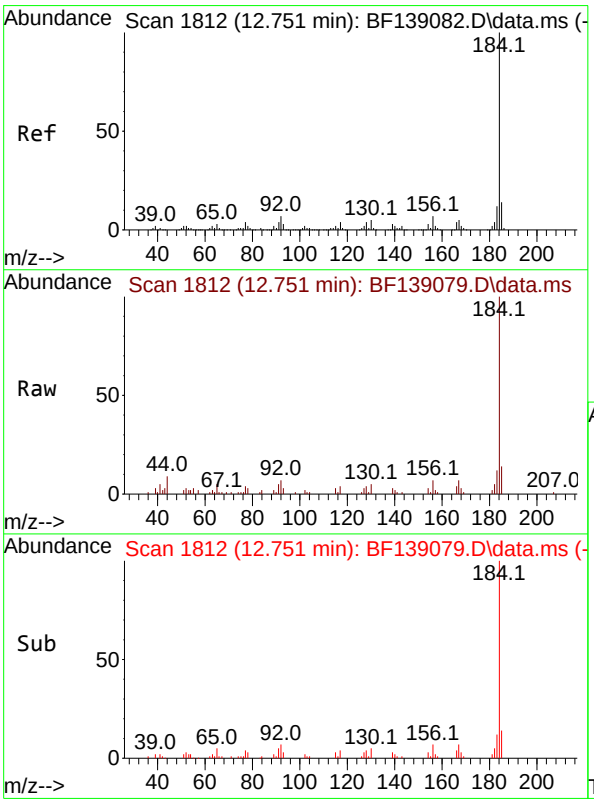
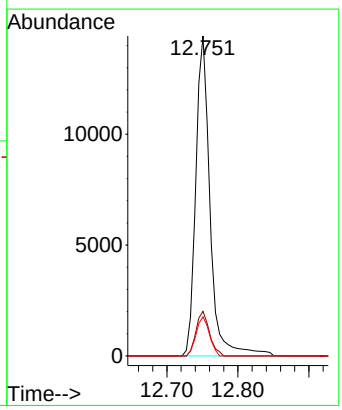
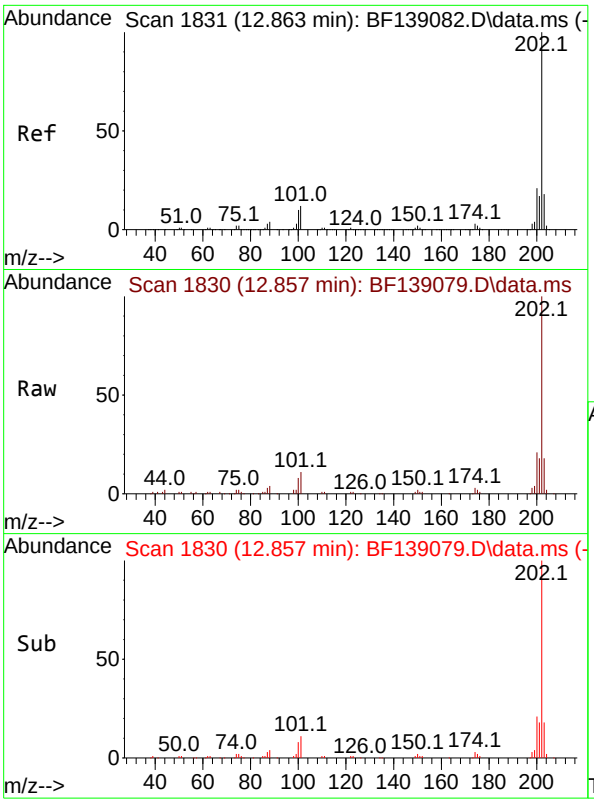


#77
Benzidine
Concen: 4.963 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:184 Resp: 20231

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.2	9.8	14.6

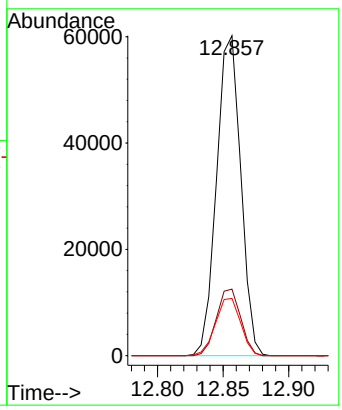




#78
Pyrene
Concen: 4.692 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:202 Resp: 7726

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	17.9	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
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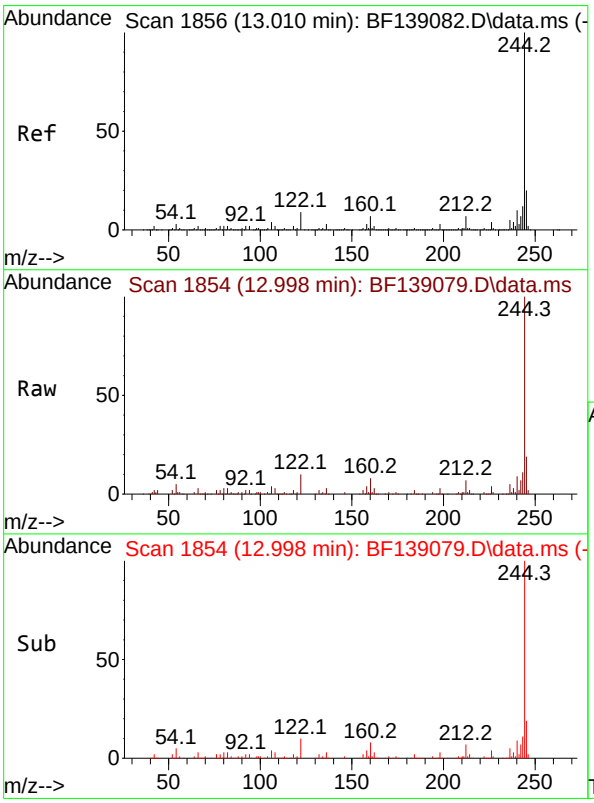
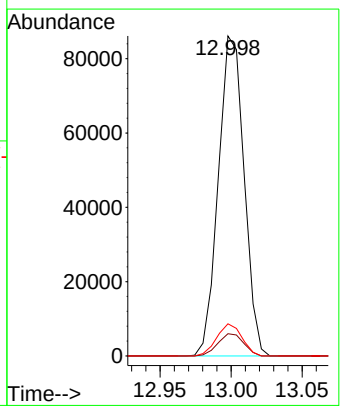
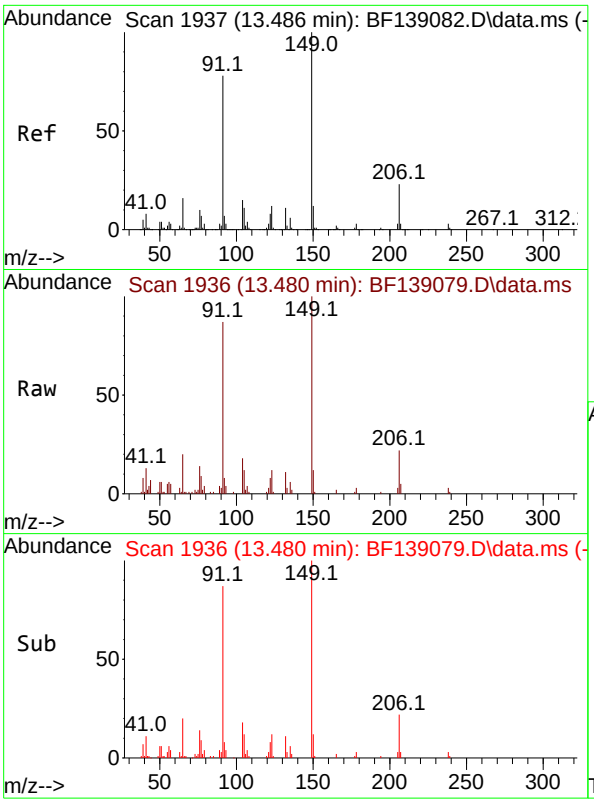


#79
Terphenyl-d14
Concen: 9.121 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:244 Resp: 108467

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	10.0	7.6	11.4

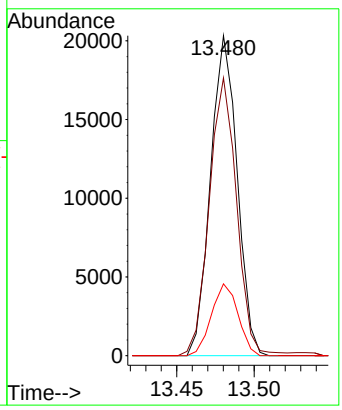




#80
Butylbenzylphthalate
Concen: 4.260 ng
RT: 13.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 2427

Ion	Ratio	Lower	Upper
149	100		
91	86.8	62.1	93.1
206	22.4	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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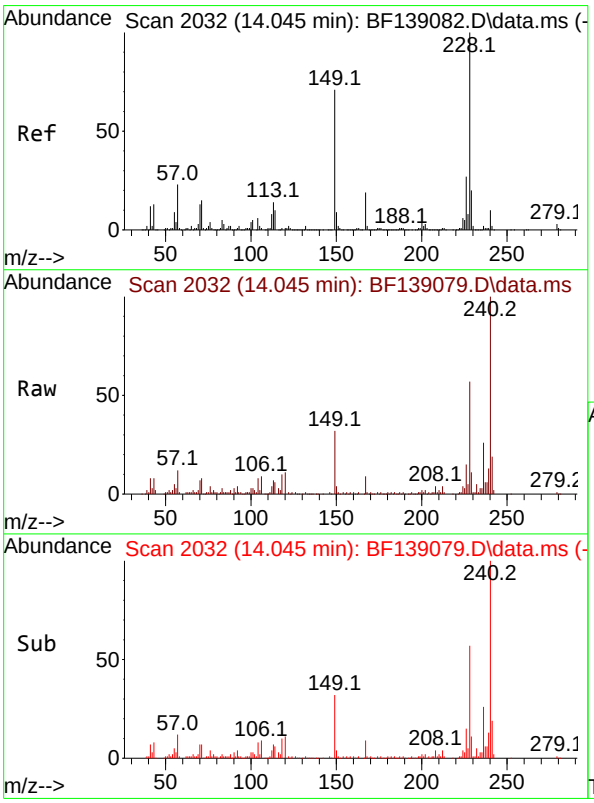
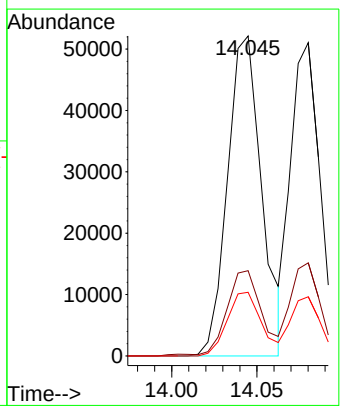
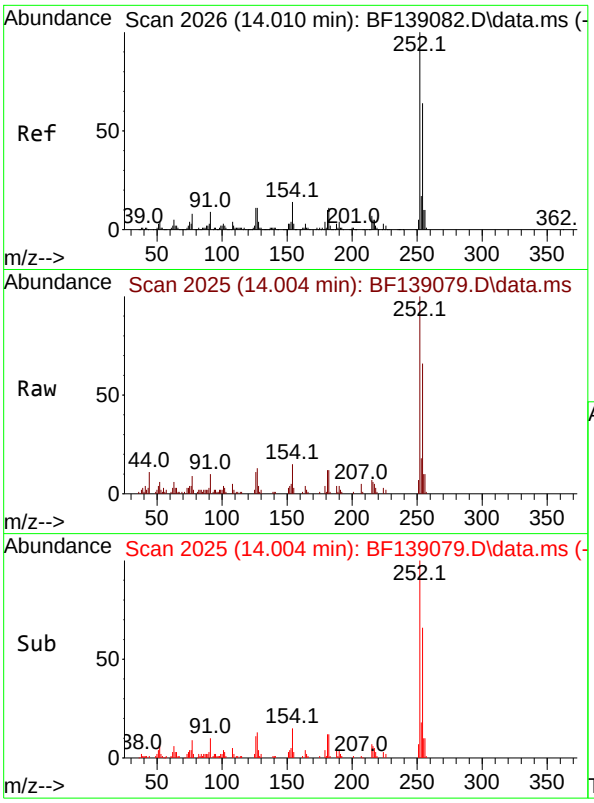


#81
Benzo(a)anthracene
Concen: 5.619 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:228 Resp: 72891

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.9	16.1	24.1

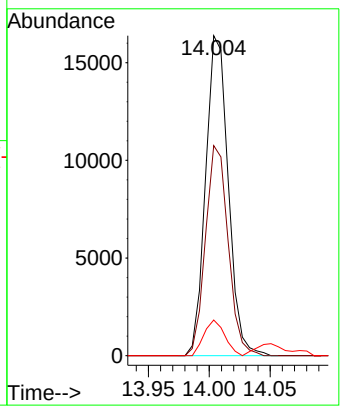




#82
3,3'-Dichlorobenzidine
Concen: 5.840 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:252 Resp: 2117

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.4	77.0
126	11.1	8.6	12.8

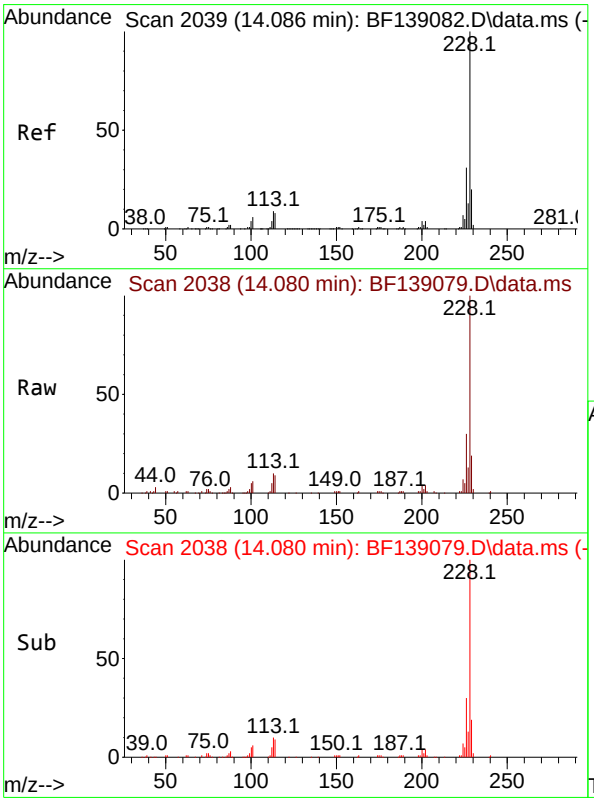


Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
08/21/2024

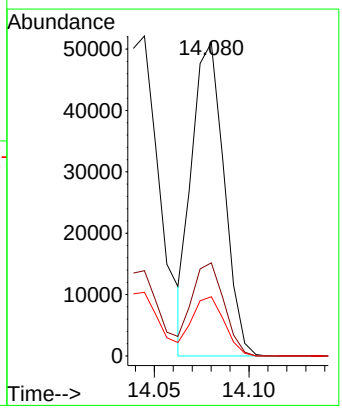
Supervised By :mohammad ahmed
08/22/2024

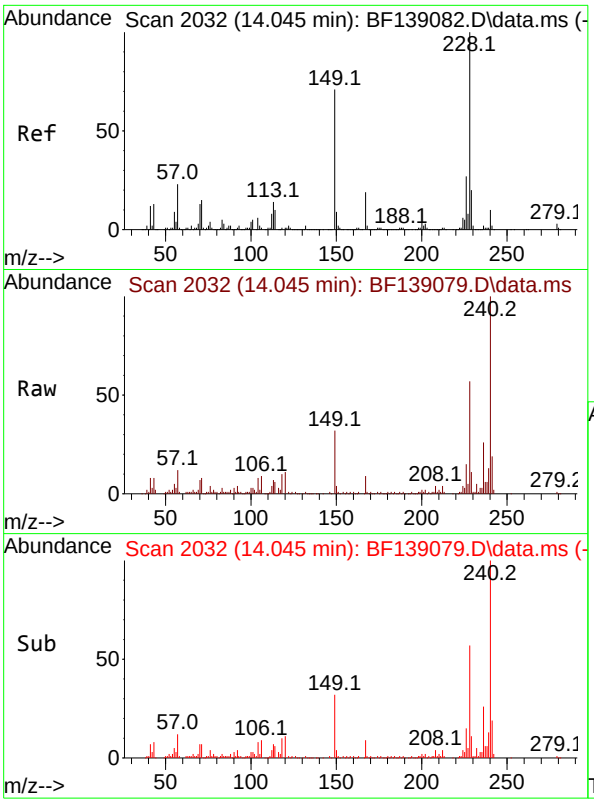


#83
Chrysene
Concen: 5.156 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:228 Resp: 60621

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	18.9	15.8	23.8

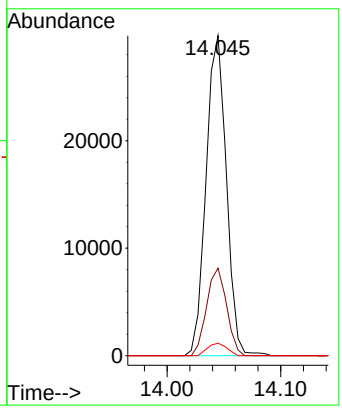




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.892 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 3695

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.6
279	3.9	3.5	5.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
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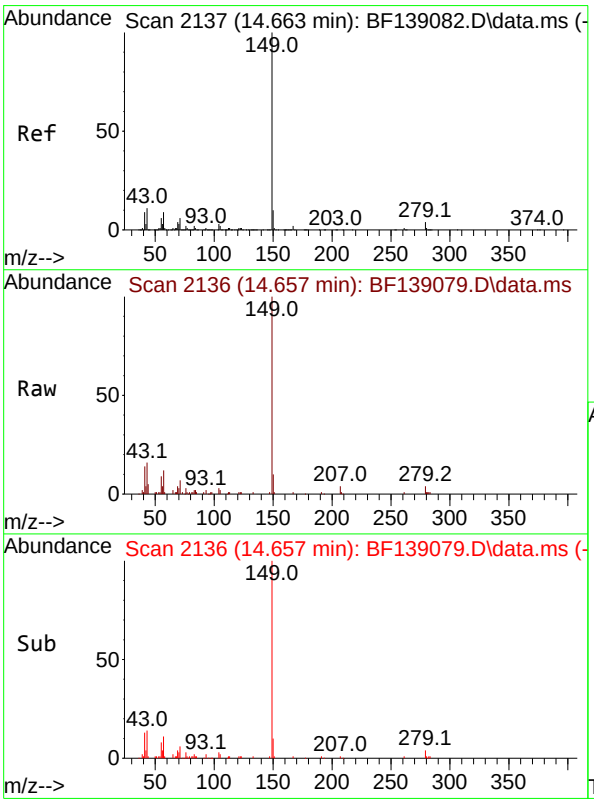
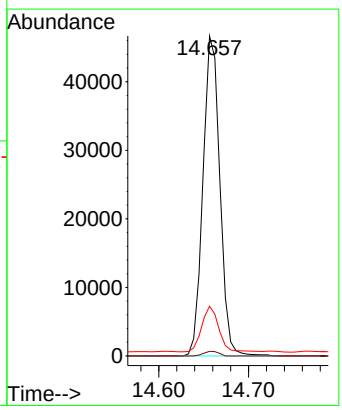
Supervised By :mohammad ahmed
08/22/2024

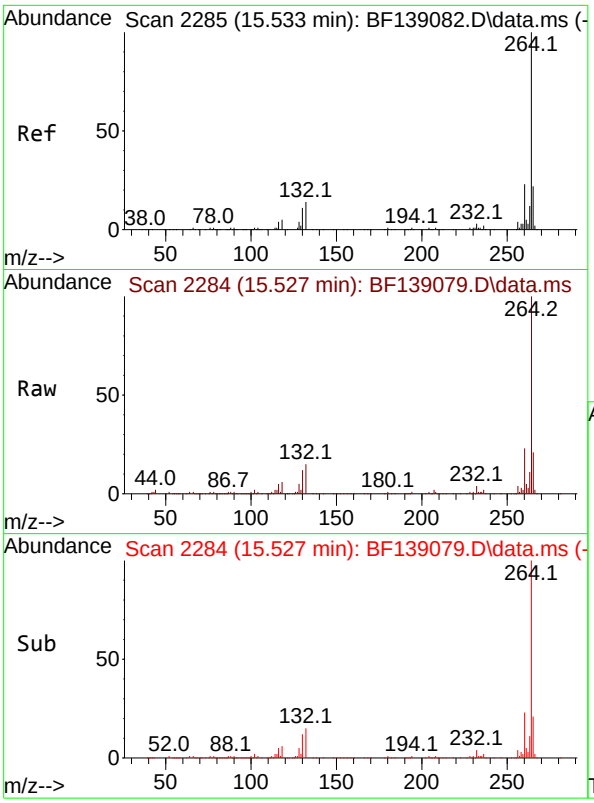


#85
Di-n-octyl phthalate
Concen: 5.760 ng
RT: 14.657 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:149 Resp: 61061

Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.3	1.9
43	14.4	9.6	14.4

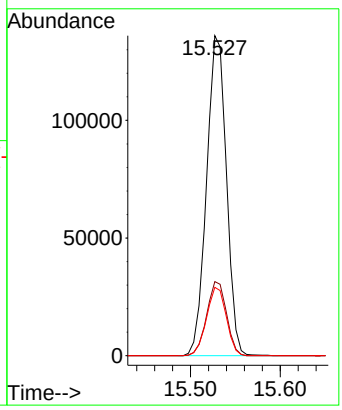




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:264 Resp: 20874

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.3	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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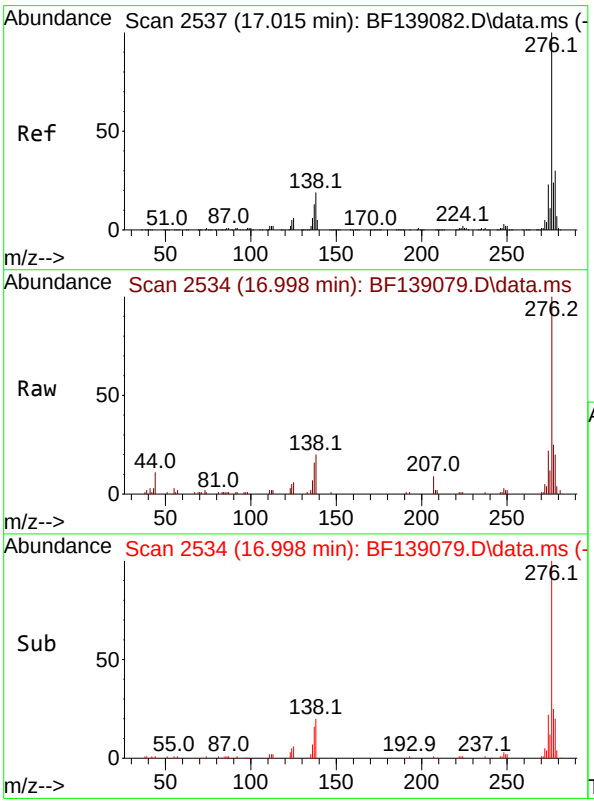
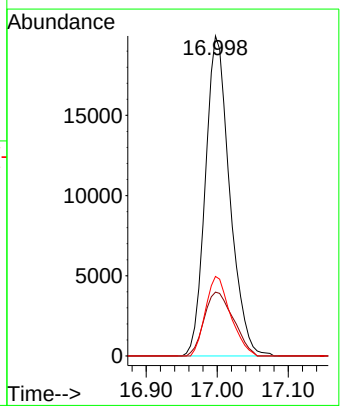
Supervised By :mohammad ahmed
08/22/2024

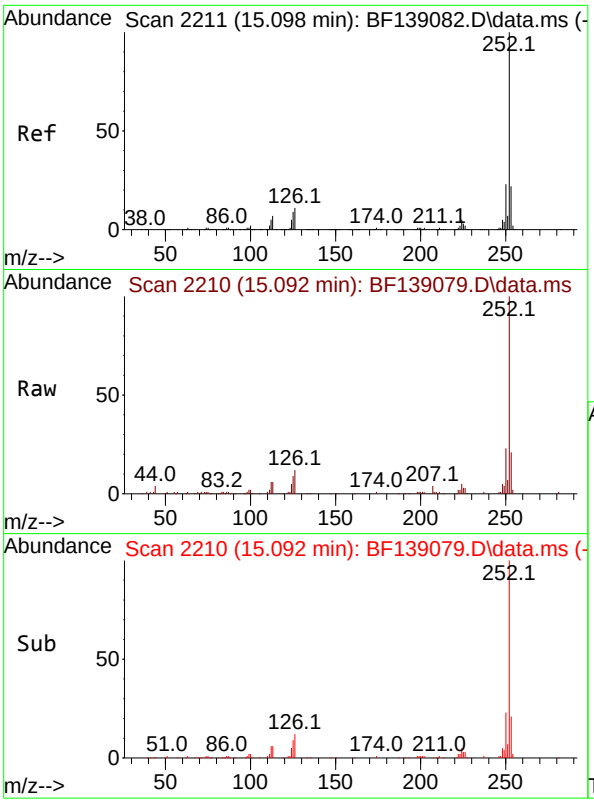


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.885 ng
RT: 16.998 min Scan# 2534
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:276 Resp: 47457

Ion	Ratio	Lower	Upper
276	100		
138	24.1	17.3	25.9
277	25.5	20.2	30.4

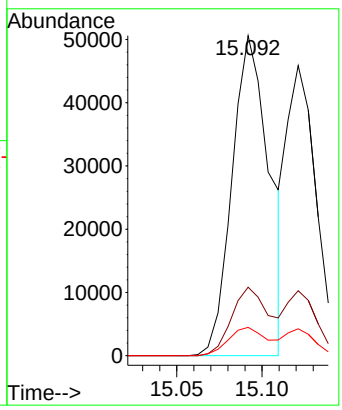




#88
Benzo(b)fluoranthene
Concen: 5.653 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:252 Resp: 7692

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.9	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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Reviewed By :Jagrut Upadhyay
08/21/2024

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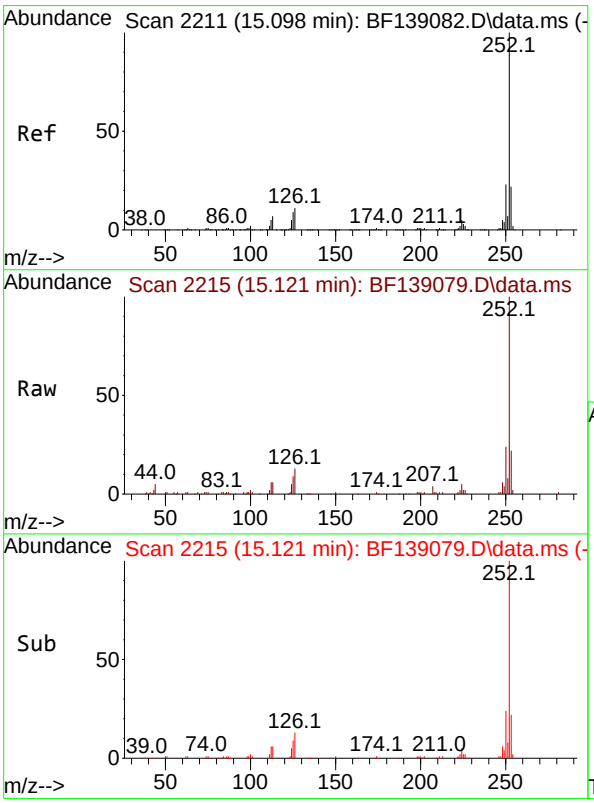
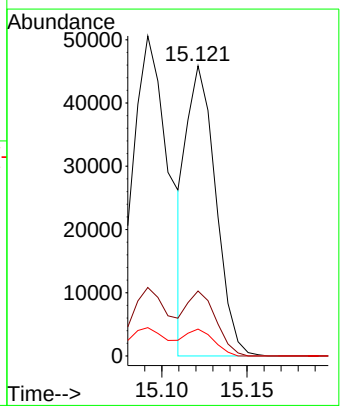
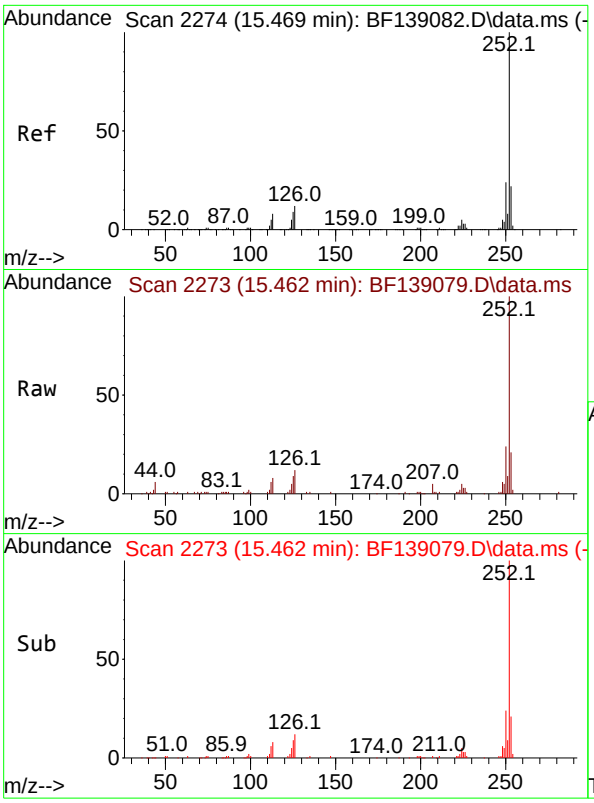


#89
Benzo(k)fluoranthene
Concen: 4.837 ng
RT: 15.121 min Scan# 2215
Delta R.T. -0.012 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:252 Resp: 54822

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	9.3	7.0	10.6

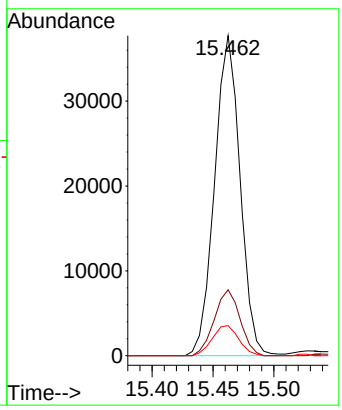




#90
Benzo(a)pyrene
Concen: 5.108 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:252 Resp: 5492

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.3	25.9
125	9.4	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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Reviewed By :Jagrut Upadhyay
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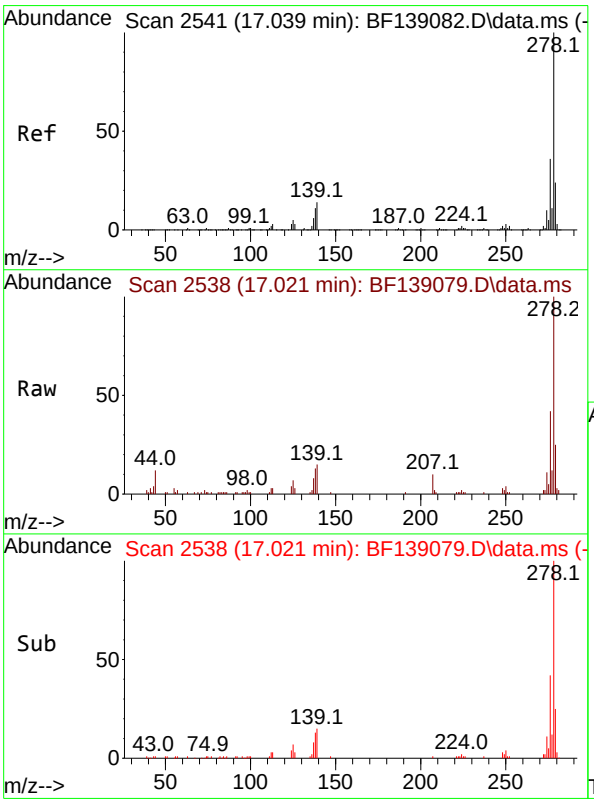
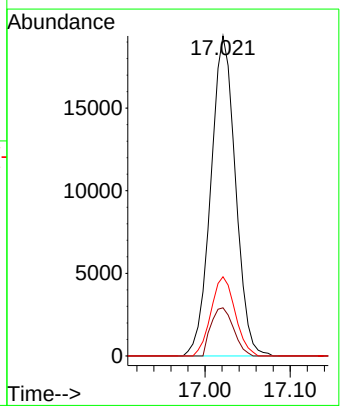
Supervised By :mohammad ahmed
08/22/2024

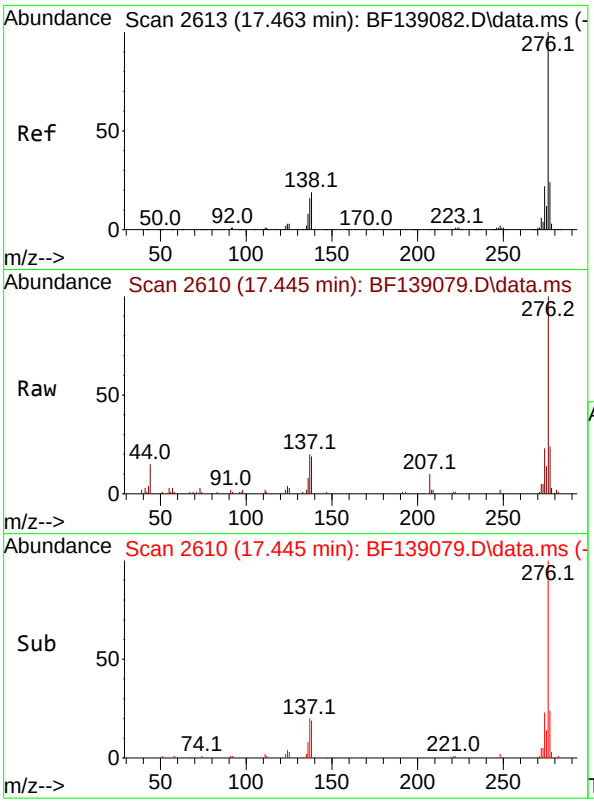


#91
Dibenzo(a,h)anthracene
Concen: 3.879 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:278 Resp: 38904

Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.8	16.2
279	24.7	19.2	28.8

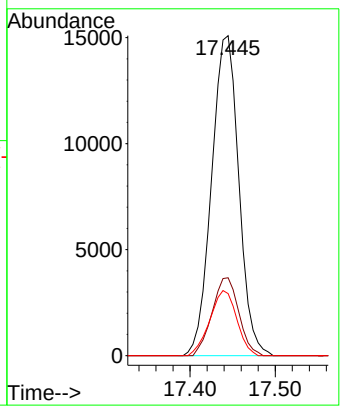




#92
Benzo(g,h,i)perylene
Concen: 5.546 ng
RT: 17.445 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139079.D
Acq: 20 Aug 2024 17:40

Tgt Ion:276 Resp: 3347

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	19.4	15.0	22.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay
08/21/2024

Supervised By :mohammad ahmed
08/22/2024

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139080.D
Acq On : 20 Aug 2024 18:10
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 21 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	120878	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	439938	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	254047	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	449729	20.000	ng		0.00
76) Chrysene-d12	14.057	240	349929	20.000	ng		0.00
86) Perylene-d12	15.533	264	289853	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	158933	20.229	ng		0.00
7) Phenol-d6	6.510	99	205306	20.223	ng		-0.01
23) Nitrobenzene-d5	7.451	82	126500	16.755	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	44220	19.227	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	340797	21.284	ng		0.00
79) Terphenyl-d14	13.004	244	392262	18.600	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	34983	10.381	ng		97
3) Pyridine	3.446	79	88797	10.369	ng		99
4) n-Nitrosodimethylamine	3.387	42	48609	9.397	ng	#	99
6) Aniline	6.551	93	93551	10.208	ng		98
8) 2-Chlorophenol	6.675	128	75799	10.030	ng		98
9) Benzaldehyde	6.445	77	71464	12.003	ng		97
10) Phenol	6.522	94	108342	10.257	ng		96
11) bis(2-Chloroethyl)ether	6.628	93	79970	9.450	ng		99
12) 1,3-Dichlorobenzene	6.834	146	92646	10.197	ng		100
13) 1,4-Dichlorobenzene	6.916	146	94298	10.380	ng		97
14) 1,2-Dichlorobenzene	7.063	146	88171	10.620	ng		98
15) Benzyl Alcohol	7.028	79	79329	9.887	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	119381	9.977	ng		99
17) 2-Methylphenol	7.134	107	65643	10.154	ng		99
18) Hexachloroethane	7.410	117	30325	9.520	ng		94
19) n-Nitroso-di-n-propyla...	7.298	70	62767	9.415	ng		97
20) 3+4-Methylphenols	7.286	107	85673	10.228	ng	#	86
22) Acetophenone	7.298	105	116284	10.352	ng		98
24) Nitrobenzene	7.475	77	73631	8.774	ng		97
25) Isophorone	7.710	82	164616	10.258	ng		100
26) 2-Nitrophenol	7.792	139	16519	10.580	ng		99
27) 2,4-Dimethylphenol	7.822	122	49848	9.796	ng		98
28) bis(2-Chloroethoxy)met...	7.922	93	96318	10.272	ng		99
29) 2,4-Dichlorophenol	8.028	162	63731	10.053	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	76944	10.365	ng		99
31) Naphthalene	8.198	128	233610	10.479	ng		99
32) Benzoic acid	7.886	122	21916	12.912	ng		92
33) 4-Chloroaniline	8.245	127	78102	10.229	ng		99
34) Hexachlorobutadiene	8.316	225	51211	10.561	ng		99
35) Caprolactam	8.581	113	19994	9.949	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	69035	9.835	ng		97
37) 2-Methylnaphthalene	8.886	142	149152	10.430	ng		99
38) 1-Methylnaphthalene	8.986	142	145582	10.549	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	75584	8.585	ng		99
41) Hexachlorocyclopentadiene	9.045	237	24349	9.109	ng		96
43) 2,4,6-Trichlorophenol	9.163	196	46215	9.846	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139080.D
Acq On : 20 Aug 2024 18:10
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 21 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

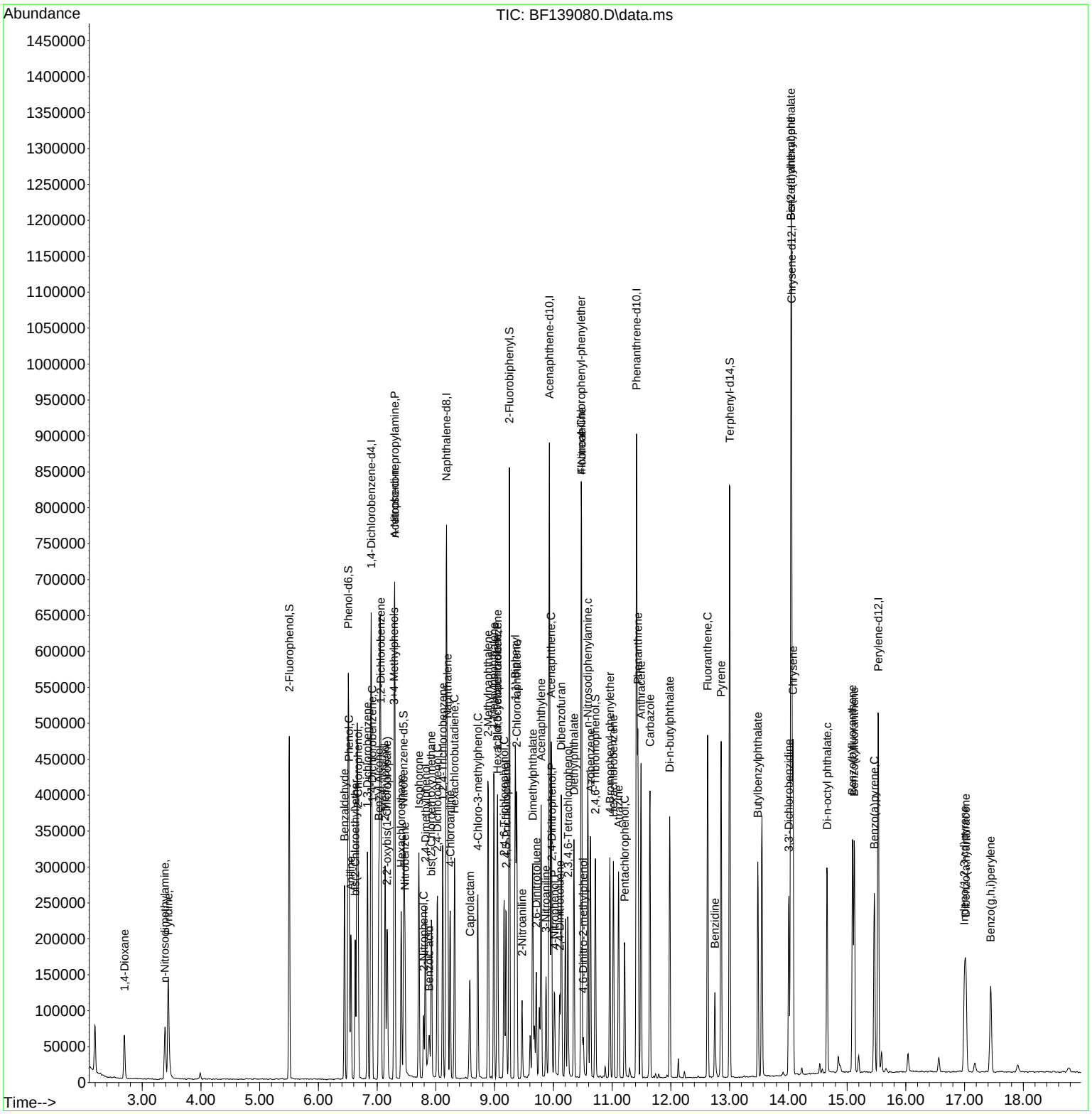
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	45634	9.472	ng		99
46) 1,1'-Biphenyl	9.351	154	187807	10.792	ng		99
47) 2-Chloronaphthalene	9.375	162	147954	10.463	ng		99
48) 2-Nitroaniline	9.469	65	21571	10.352	ng		99
49) Acenaphthylene	9.792	152	211674	10.450	ng		99
50) Dimethylphthalate	9.651	163	162672	10.372	ng		99
51) 2,6-Dinitrotoluene	9.710	165	18731	9.911	ng		99
52) Acenaphthene	9.963	154	136622	10.211	ng		99
53) 3-Nitroaniline	9.875	138	19146	9.666	ng	#	90
54) 2,4-Dinitrophenol	9.975	184	4613	10.995	ng	#	1
55) Dibenzofuran	10.133	168	205829	10.591	ng		98
56) 4-Nitrophenol	10.022	139	16588	6.997	ng		96
57) 2,4-Dinitrotoluene	10.110	165	21006	10.256	ng		99
58) Fluorene	10.480	166	162549	10.466	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	37698	9.745	ng		99
60) Diethylphthalate	10.351	149	157093	10.109	ng		100
61) 4-Chlorophenyl-phenyle...	10.475	204	81606	10.520	ng		95
62) 4-Nitroaniline	10.480	138	20891	9.698	ng		91
63) Azobenzene	10.633	77	175015	10.134	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	6992	11.000	ng		93
66) n-Nitrosodiphenylamine	10.586	169	136277	10.241	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	48816	10.244	ng		99
68) Hexachlorobenzene	11.022	284	51493	10.072	ng		99
69) Atrazine	11.110	200	44507	10.951	ng		99
70) Pentachlorophenol	11.216	266	29356	8.989	ng		98
71) Phenanthrene	11.439	178	236801	10.359	ng		99
72) Anthracene	11.492	178	233155	10.430	ng		99
73) Carbazole	11.645	167	215667	10.331	ng		99
74) Di-n-butylphthalate	11.980	149	242115	10.003	ng		99
75) Fluoranthene	12.627	202	260569	10.680	ng		99
77) Benzidine	12.751	184	63248	8.750	ng		99
78) Pyrene	12.857	202	261625	8.959	ng		99
80) Butylbenzylphthalate	13.480	149	86951	8.607	ng		99
81) Benzo(a)anthracene	14.045	228	235019	10.217	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	73276	11.396	ng		99
83) Chrysene	14.080	228	217764	10.444	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	125777	9.391	ng		99
85) Di-n-octyl phthalate	14.662	149	183724	9.774	ng		100
87) Indeno(1,2,3-cd)pyrene	16.998	276	126465	7.455	ng		99
88) Benzo(b)fluoranthene	15.092	252	201640	10.671	ng		99
89) Benzo(k)fluoranthene	15.121	252	176757	11.231	ng		99
90) Benzo(a)pyrene	15.462	252	154721	10.362	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	104872	7.531	ng		98
92) Benzo(g,h,i)perylene	17.445	276	103295	8.909	ng		98

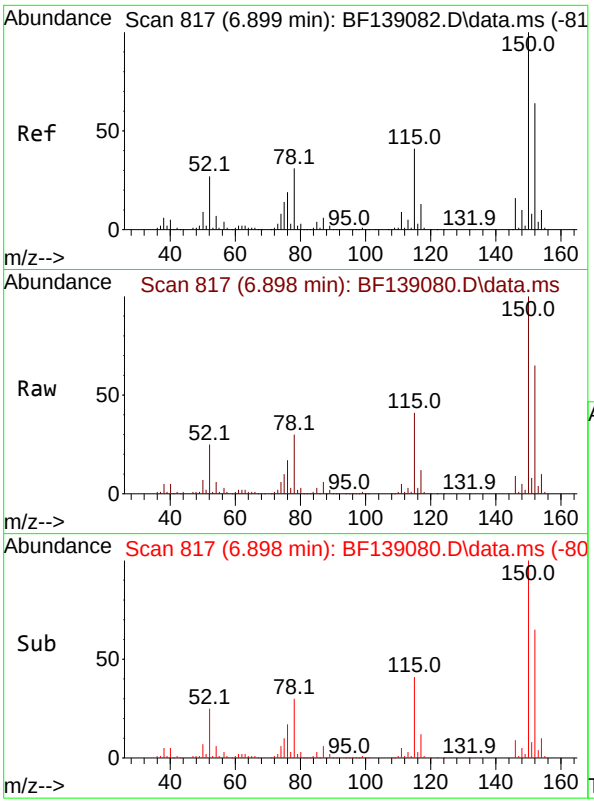
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139080.D
Acq On : 20 Aug 2024 18:10
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Aug 21 01:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



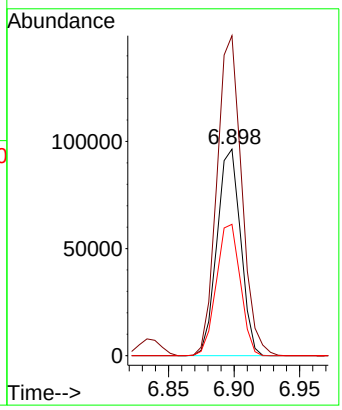


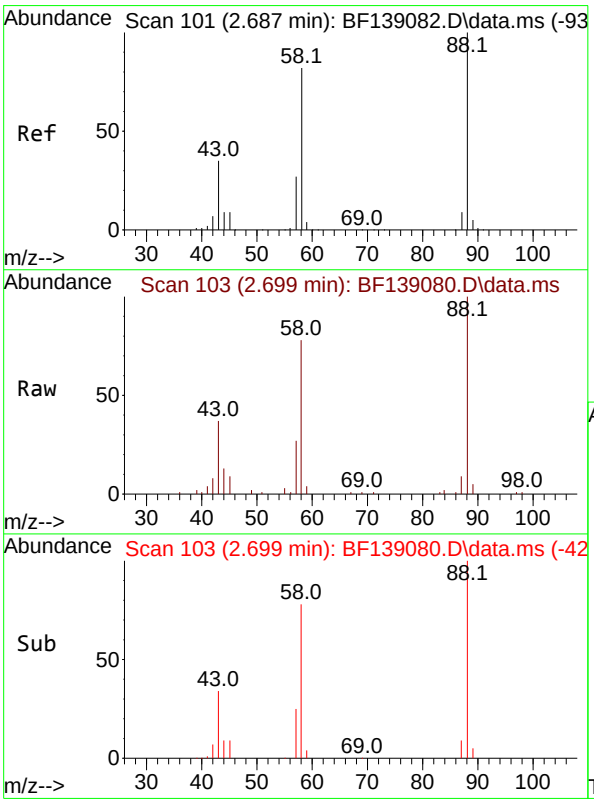
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 120878

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.1	187.7
115	63.6	51.8	77.6

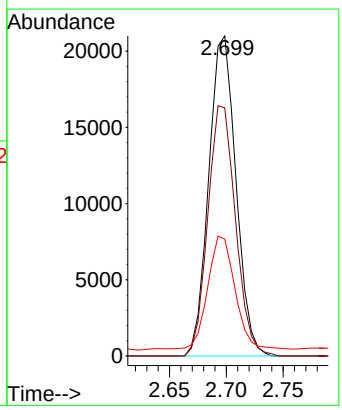


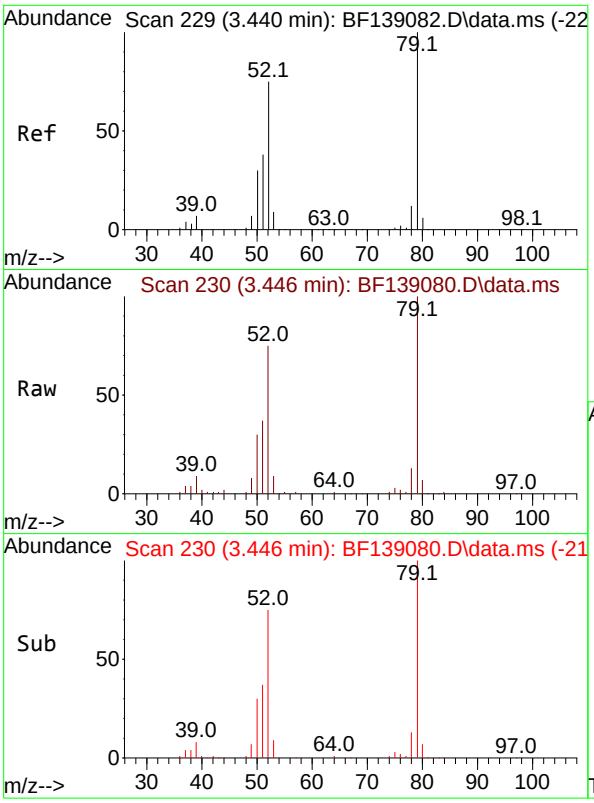


#2
1,4-Dioxane
Concen: 10.381 ng
RT: 2.699 min Scan# 103
Delta R.T. 0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 88 Resp: 34983

Ion	Ratio	Lower	Upper
88	100		
58	79.7	65.4	98.0
43	36.7	27.9	41.9



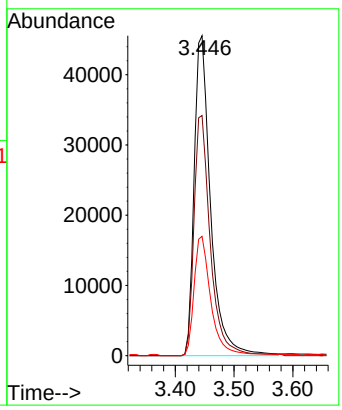


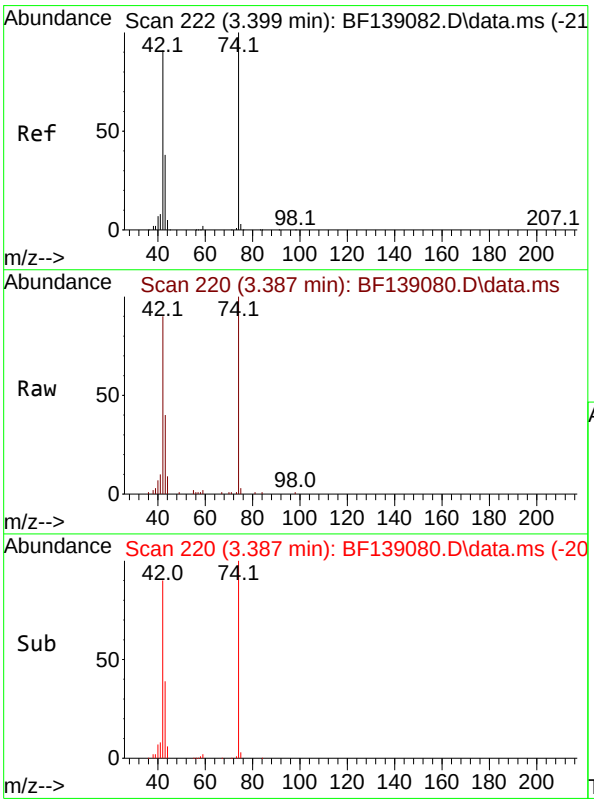
#3
Pyridine
Concen: 10.369 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 88797

Ion	Ratio	Lower	Upper
79	100		
52	75.0	59.7	89.5
51	37.3	30.6	45.8

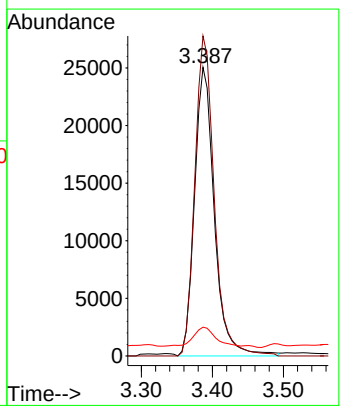


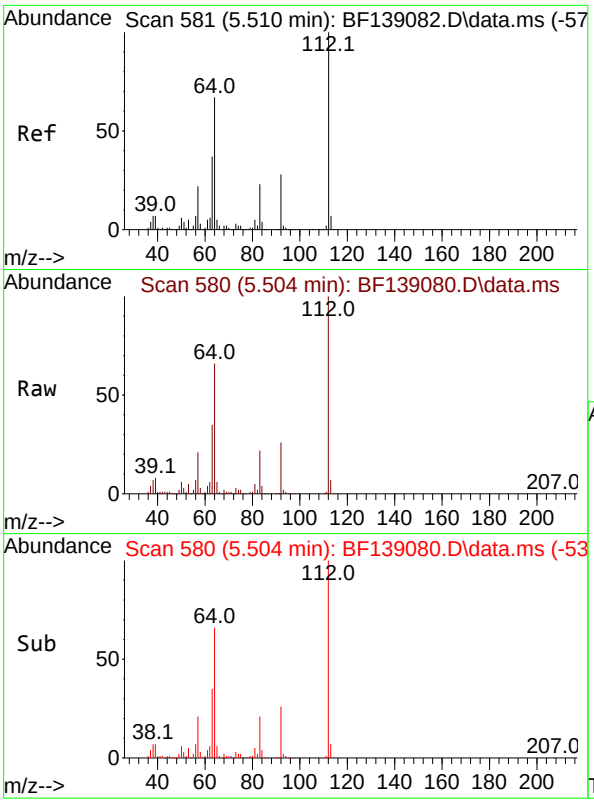


#4
n-Nitrosodimethylamine
Concen: 9.397 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 42 Resp: 48609

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.2
44	10.0	5.4	8.0#



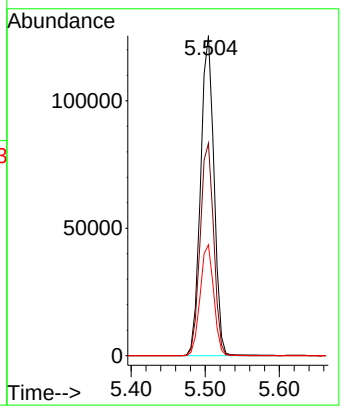


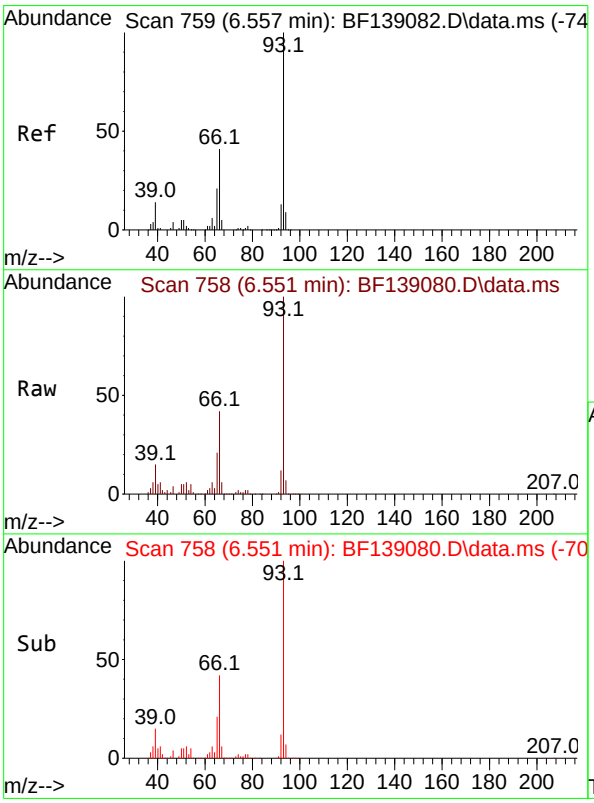
#5
2-Fluorophenol
Concen: 20.229 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 158933

Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.8	80.6
63	34.6	29.4	44.2

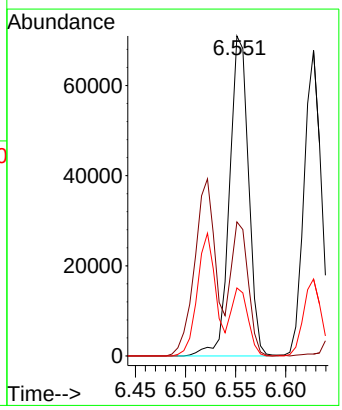


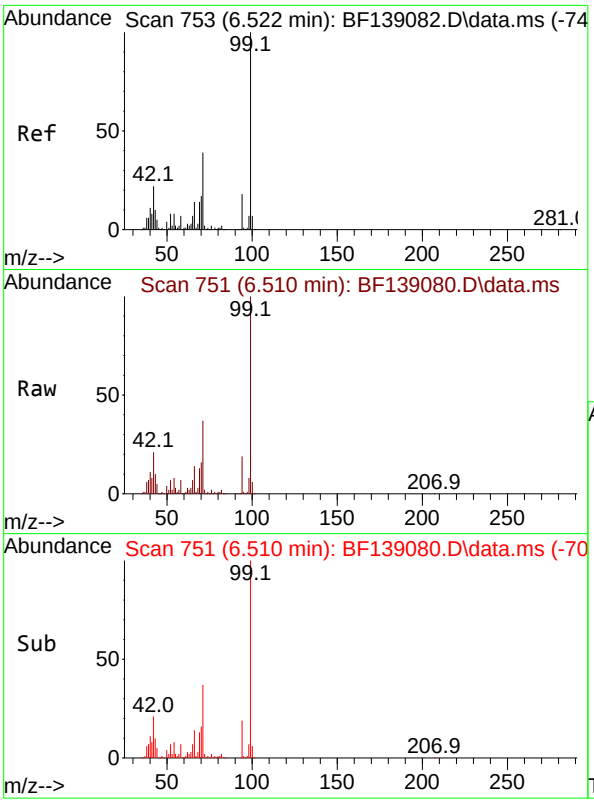


#6
Aniline
Concen: 10.208 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 93 Resp: 93551

Ion	Ratio	Lower	Upper
93	100		
66	41.9	35.1	52.7
65	21.2	17.4	26.2



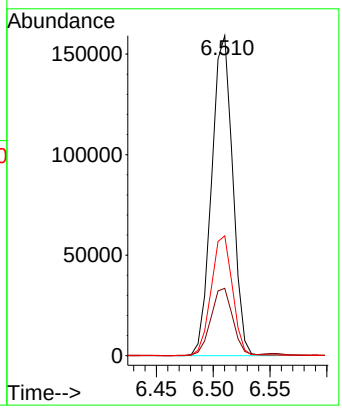


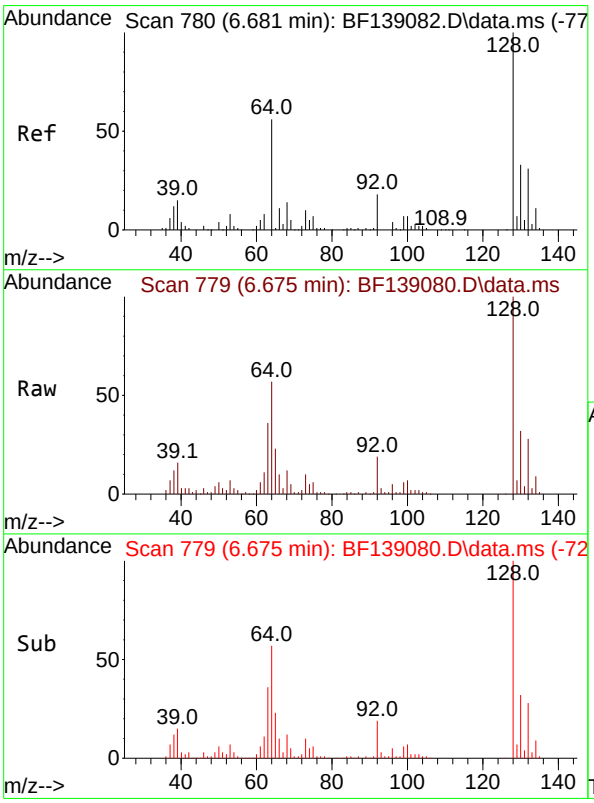
#7
Phenol-d6
Concen: 20.223 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 205306

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.4	26.2
71	37.4	31.2	46.8

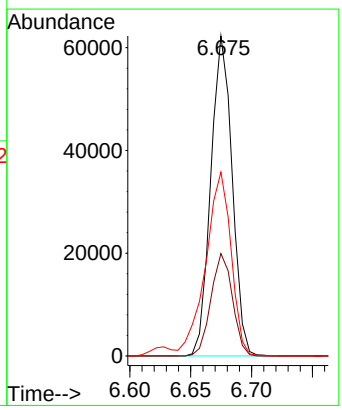


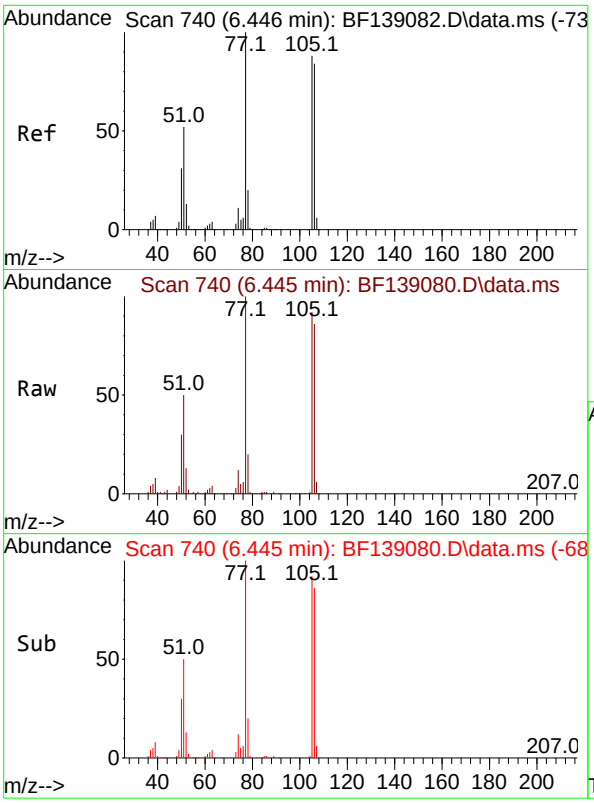


#8
2-Chlorophenol
Concen: 10.030 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:128 Resp: 75799

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.6	52.6
64	57.5	39.1	79.1



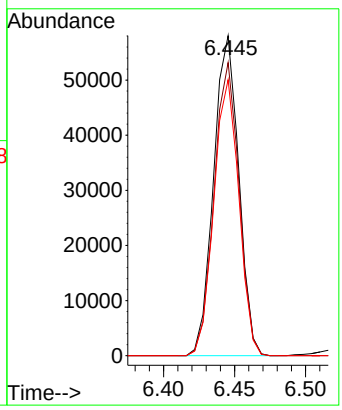


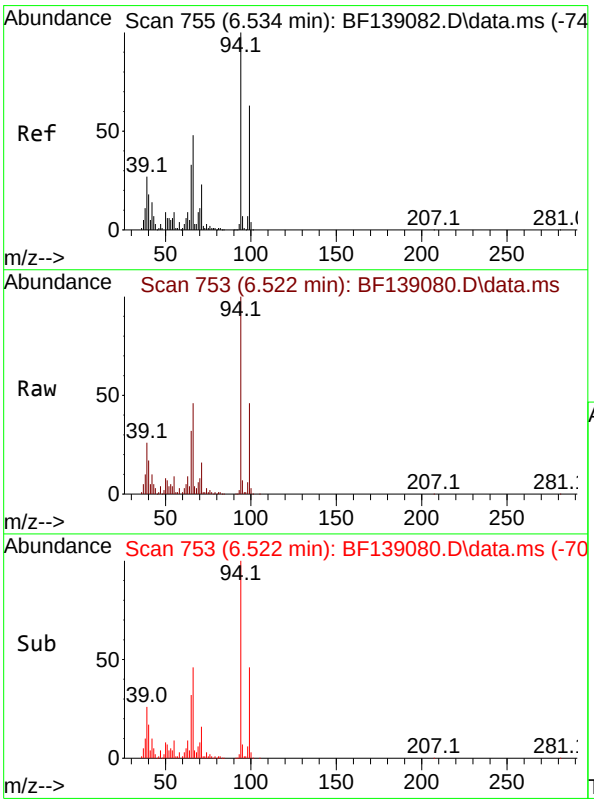
#9
Benzaldehyde
Concen: 12.003 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 71464

Ion	Ratio	Lower	Upper
77	100		
105	91.6	68.2	108.2
106	86.3	63.8	103.8

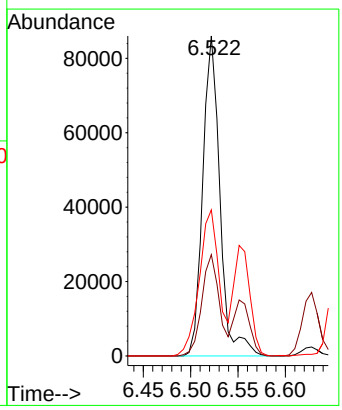


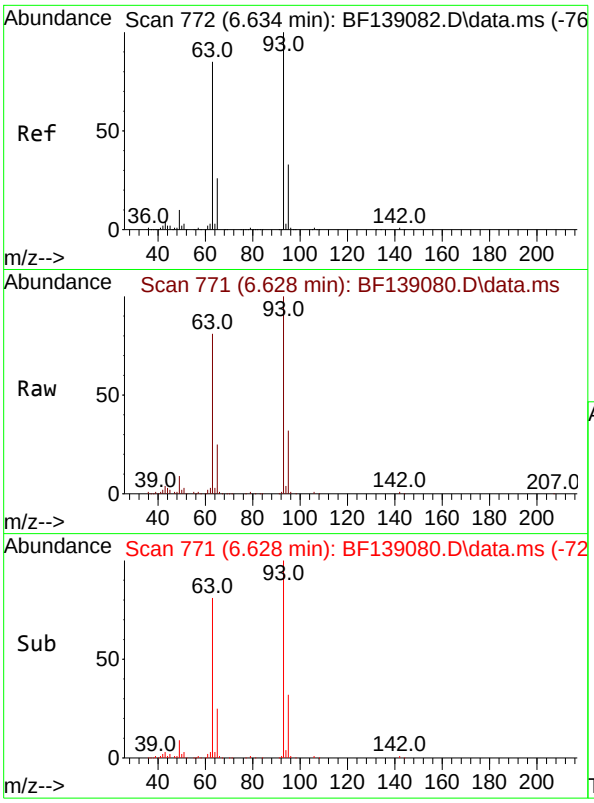


#10
Phenol
Concen: 10.257 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 94 Resp: 108342

Ion	Ratio	Lower	Upper
94	100		
65	31.7	13.5	53.5
66	45.7	28.5	68.5



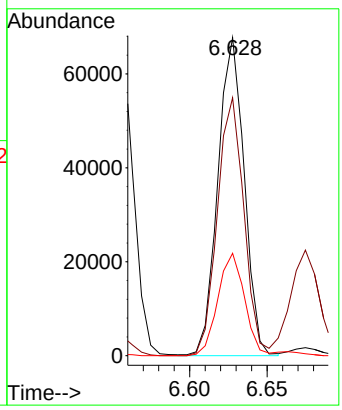


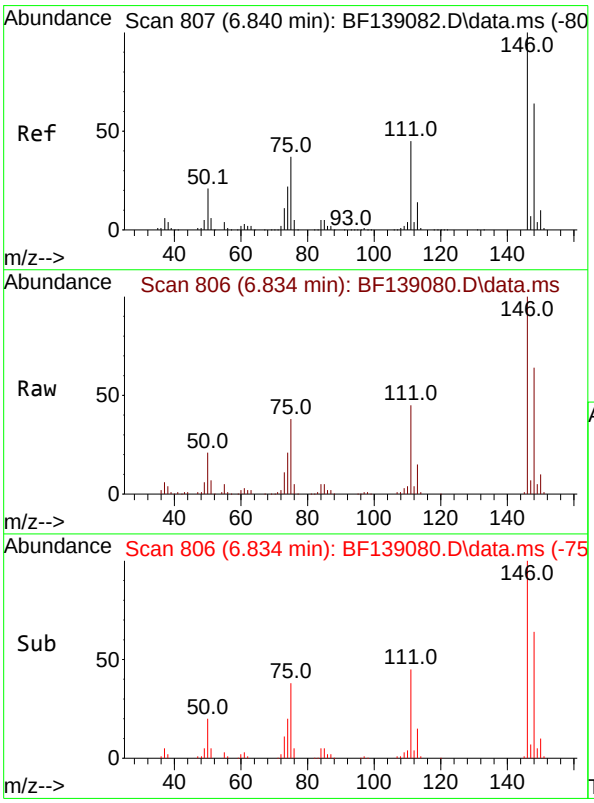
#11
bis(2-Chloroethyl)ether
Concen: 9.450 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 79970

Ion	Ratio	Lower	Upper
93	100		
63	81.1	62.7	102.7
95	32.2	11.9	51.9

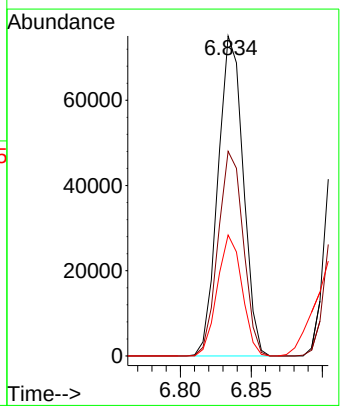


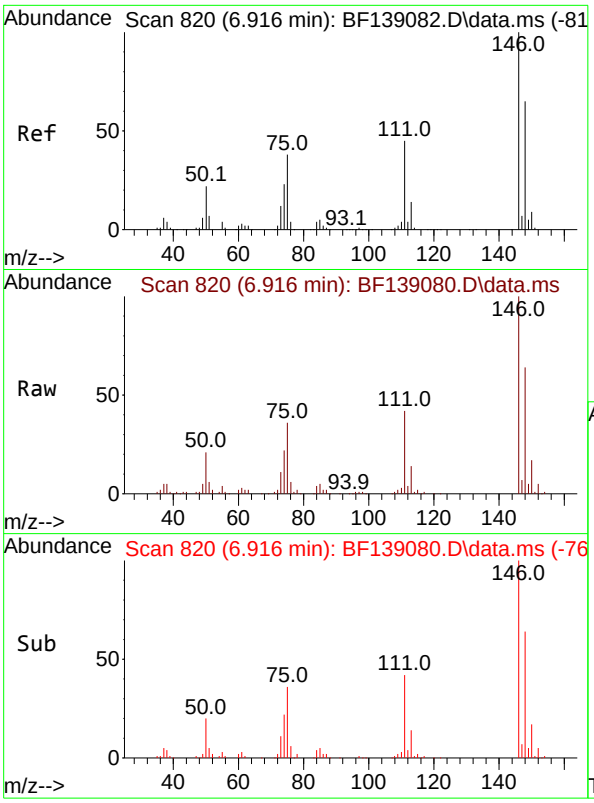


#12
1,3-Dichlorobenzene
Concen: 10.197 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:146 Resp: 92646

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
75	37.8	29.9	44.9



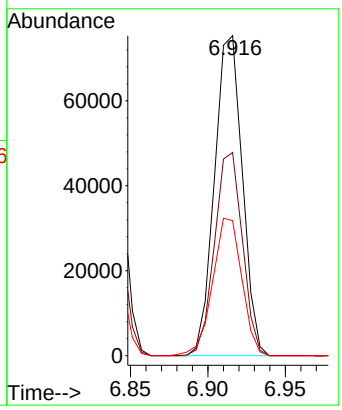


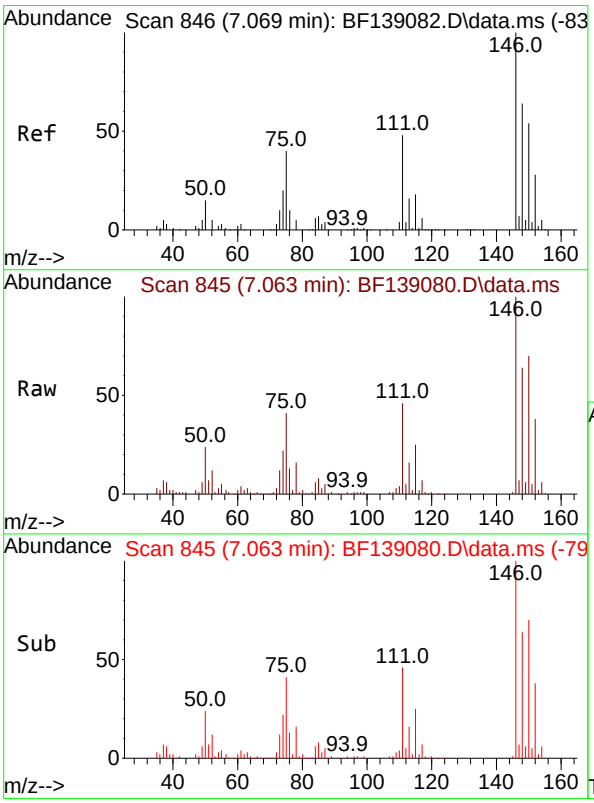
#13
1,4-Dichlorobenzene
Concen: 10.380 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 94298

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	42.2	35.8	53.6

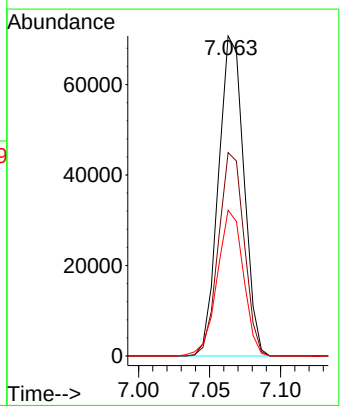


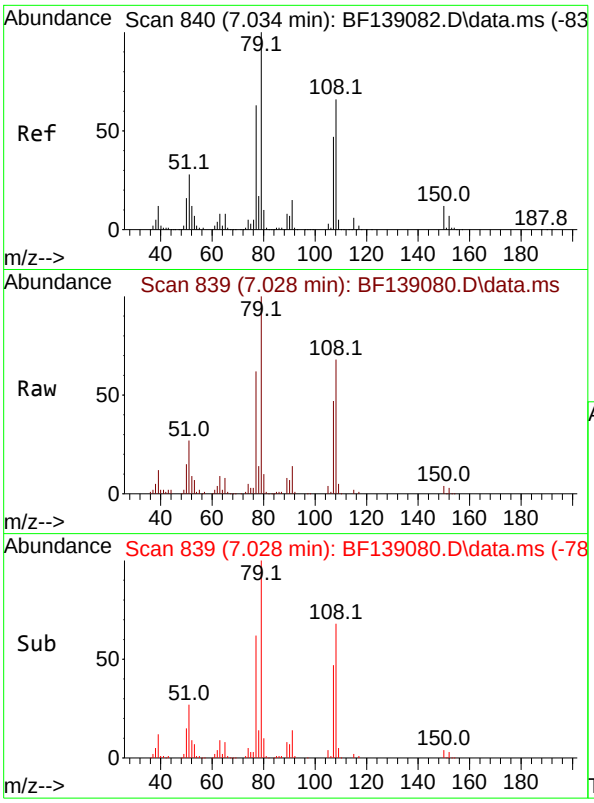


#14
1,2-Dichlorobenzene
Concen: 10.620 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:146 Resp: 88171

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	45.6	38.1	57.1



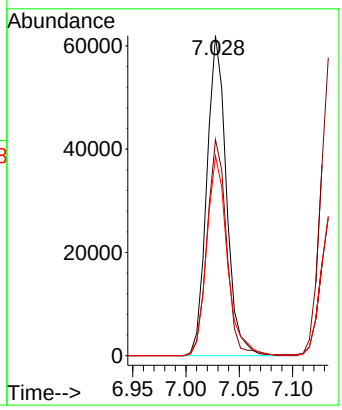


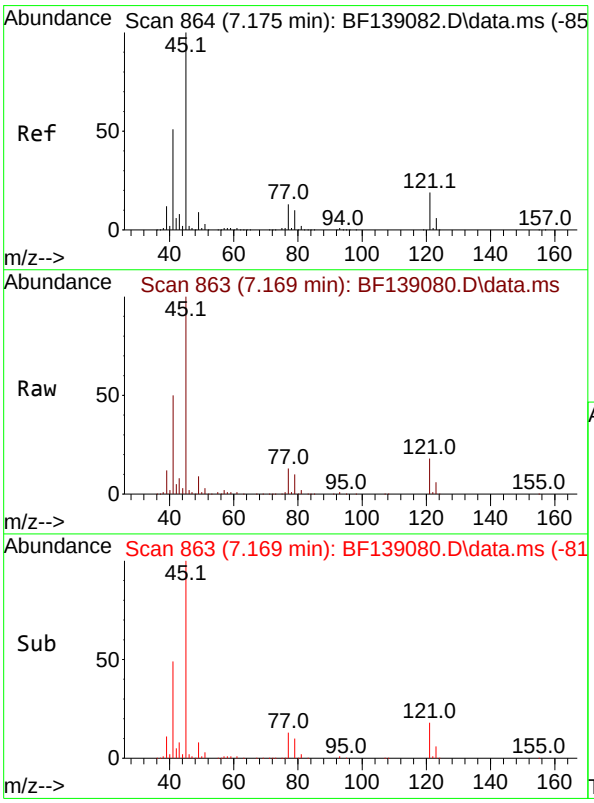
#15
Benzyl Alcohol
Concen: 9.887 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 79329

Ion	Ratio	Lower	Upper
79	100		
108	67.6	52.8	79.2
77	62.4	50.6	76.0

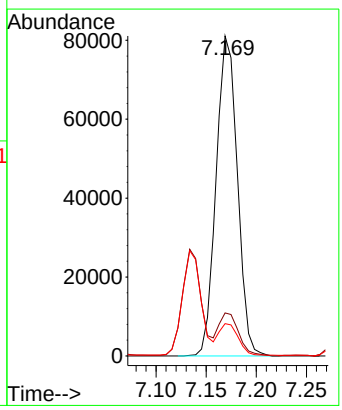


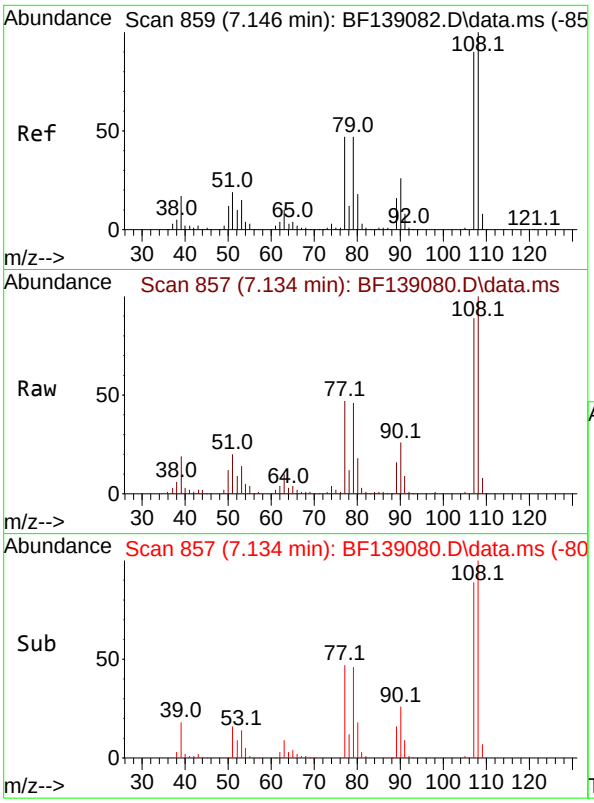


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.977 ng
RT: 7.169 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 45 Resp: 119381

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.7
79	10.1	0.0	30.4



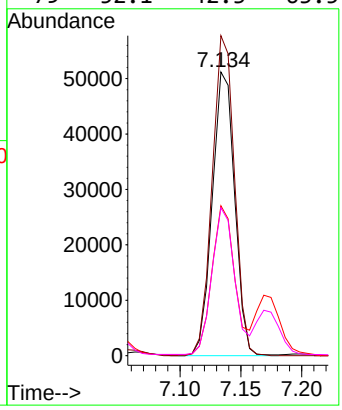


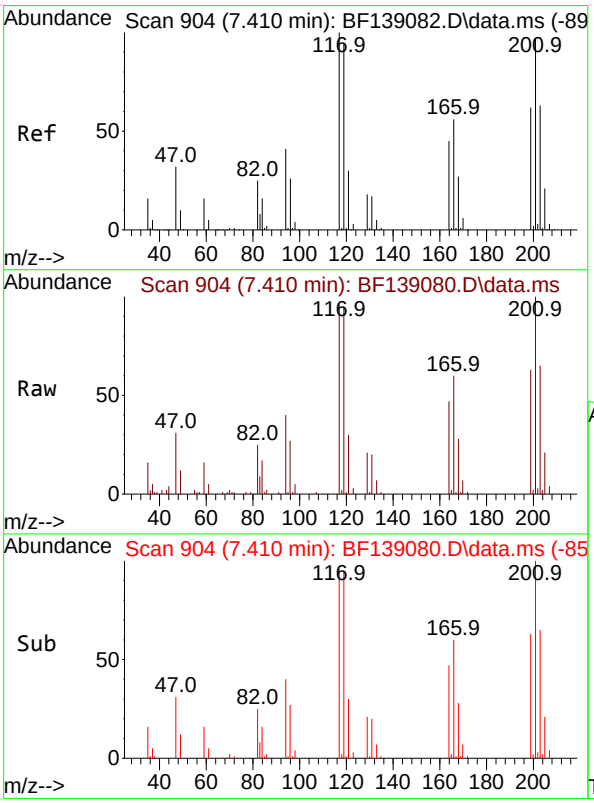
#17
2-Methylphenol
Concen: 10.154 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 65643

Ion	Ratio	Lower	Upper
107	100		
108	112.8	89.1	133.7
77	52.8	42.1	63.1
79	52.1	42.3	63.5

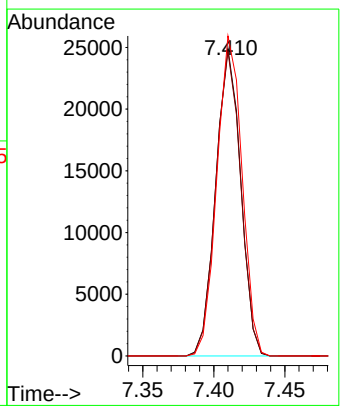


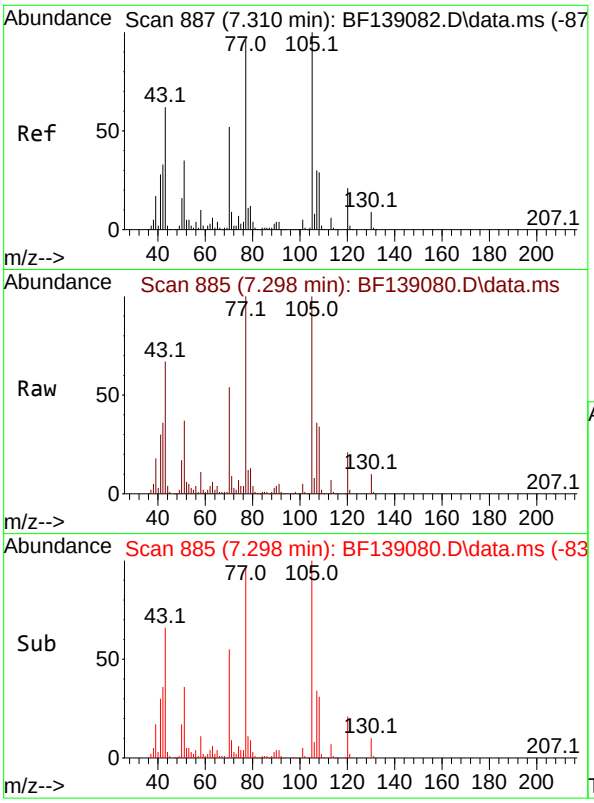


#18
Hexachloroethane
Concen: 9.520 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:117 Resp: 30325

Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.5	113.3
201	104.1	77.8	116.8



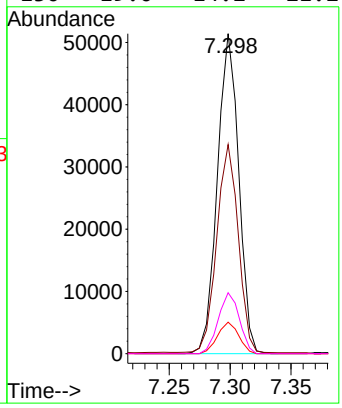


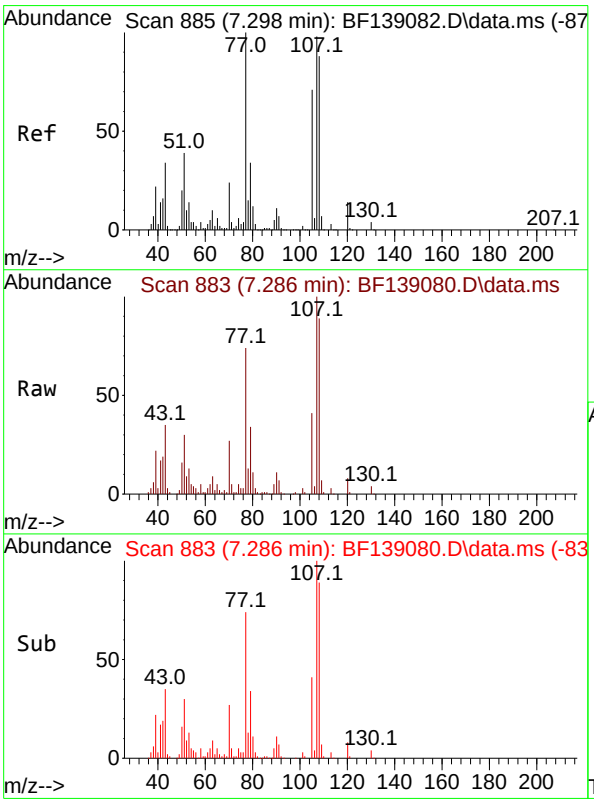
#19
n-Nitroso-di-n-propylamine
Concen: 9.415 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 62767

Ion	Ratio	Lower	Upper
70	100		
42	65.4	50.5	75.7
101	9.8	7.2	10.8
130	19.0	14.2	21.2

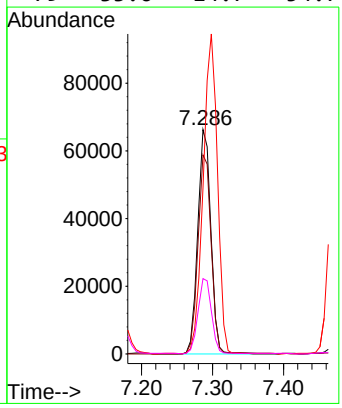


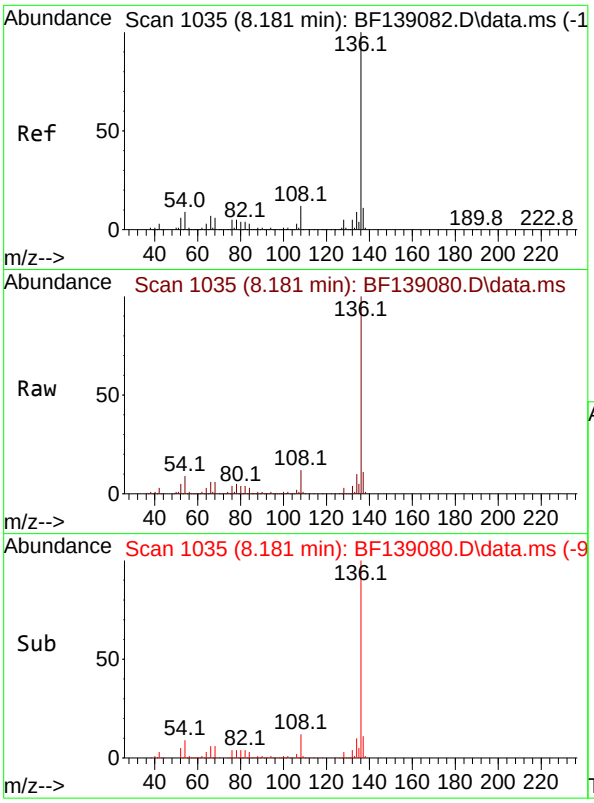


#20
3+4-Methylphenols
Concen: 10.228 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:107 Resp: 85673

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.2	110.2
77	74.1	82.7	122.7#
79	33.6	14.7	54.7



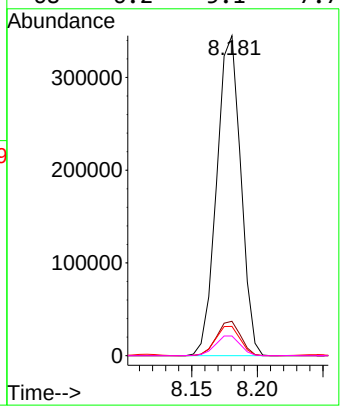


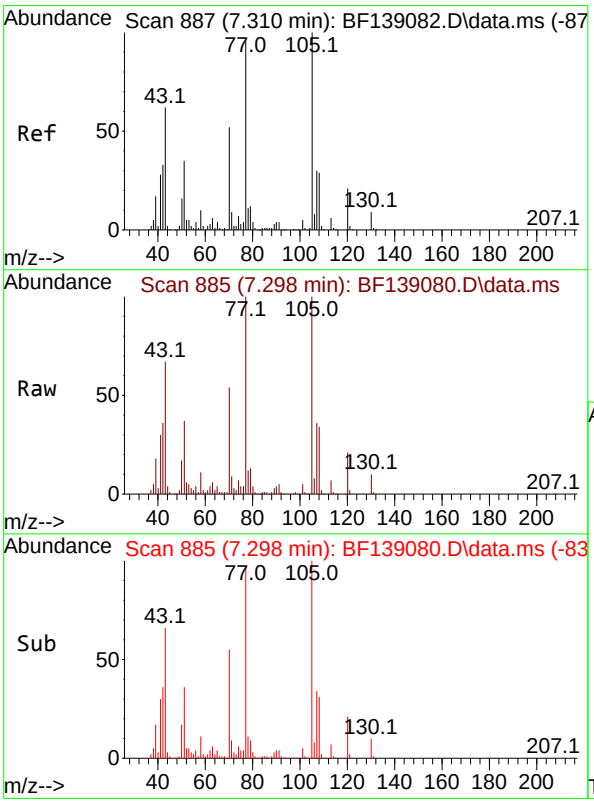
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 439938

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.2	7.6	11.4
68	6.2	5.1	7.7

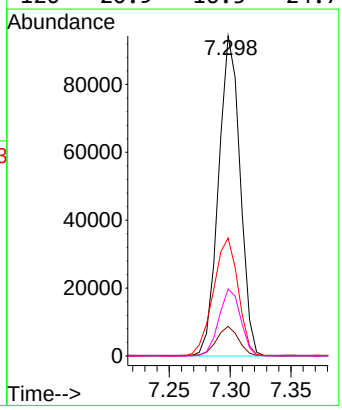


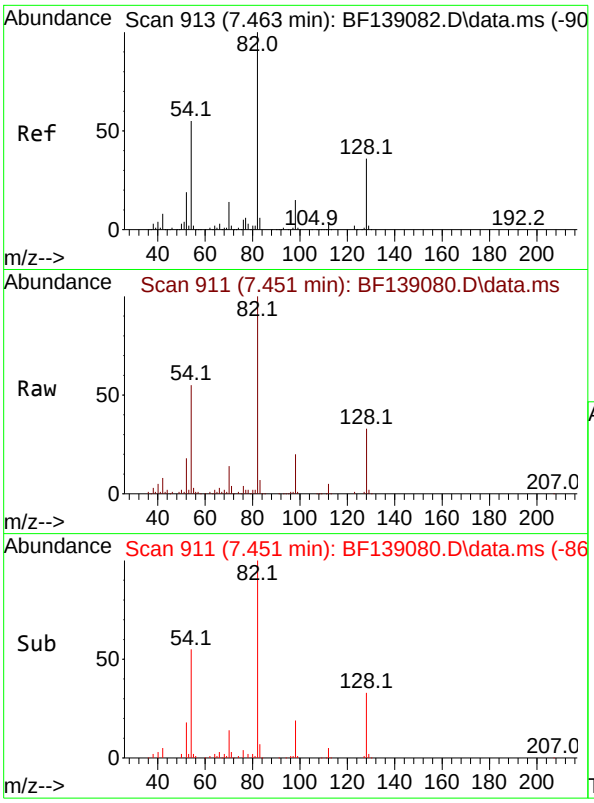


#22
Acetophenone
Concen: 10.352 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:105 Resp: 116284

Ion	Ratio	Lower	Upper
105	100		
71	9.2	7.0	10.6
51	36.9	28.0	42.0
120	20.9	16.5	24.7



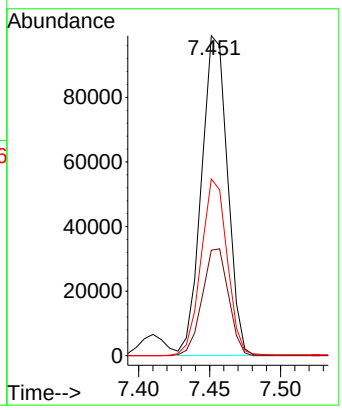


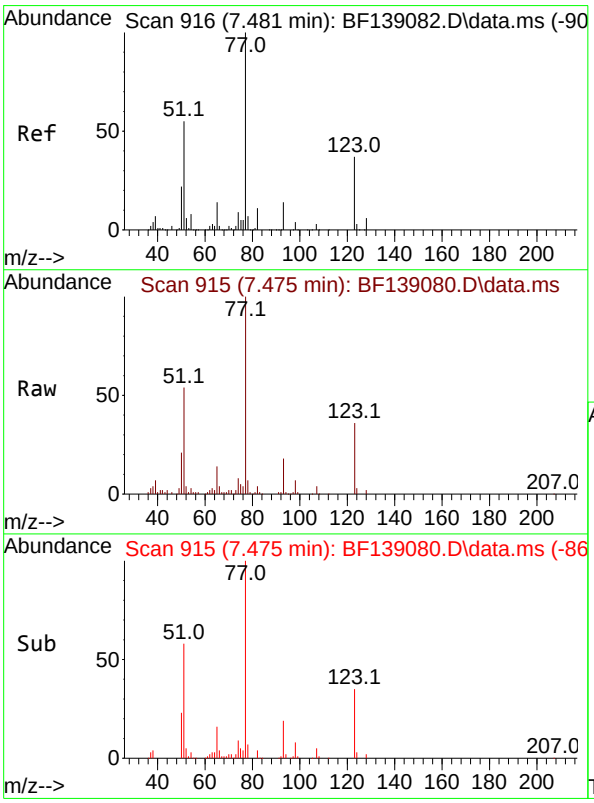
#23
Nitrobenzene-d5
Concen: 16.755 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 126500

Ion	Ratio	Lower	Upper
82	100		
128	33.0	29.0	43.4
54	55.2	43.4	65.2

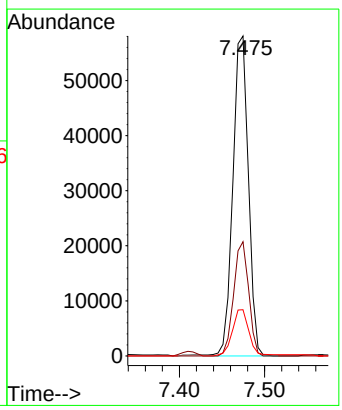


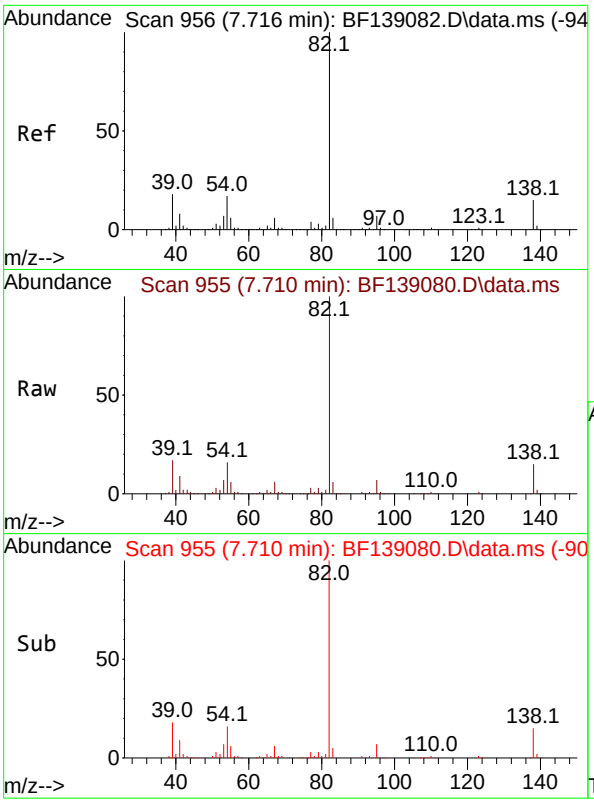


#24
Nitrobenzene
Concen: 8.774 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 77 Resp: 73631

Ion	Ratio	Lower	Upper
77	100		
123	35.7	30.3	45.5
65	14.4	11.3	16.9



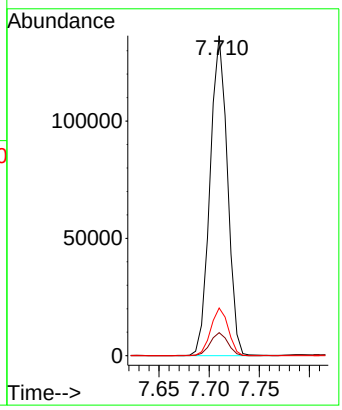


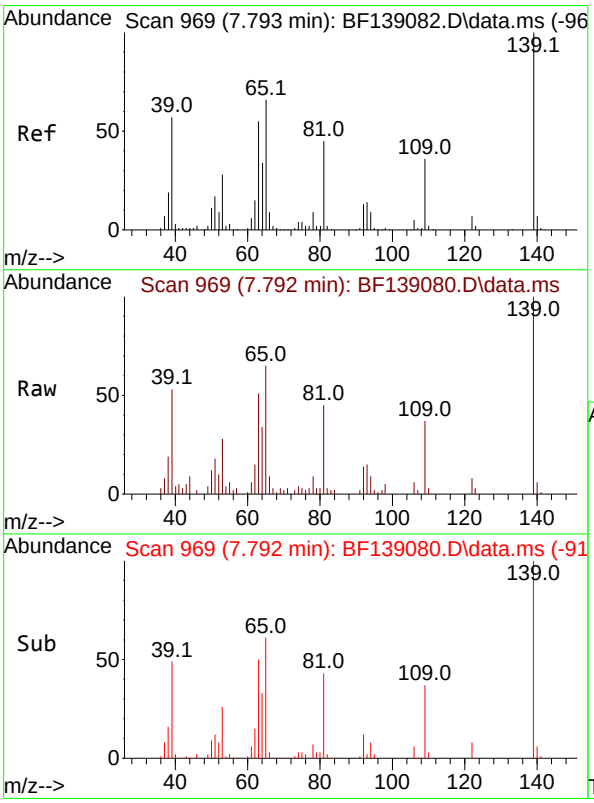
#25
Isophorone
Concen: 10.258 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 164616

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	14.9	11.8	17.8

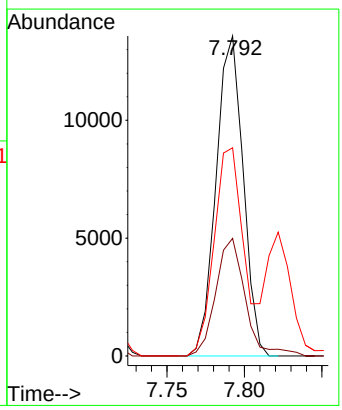


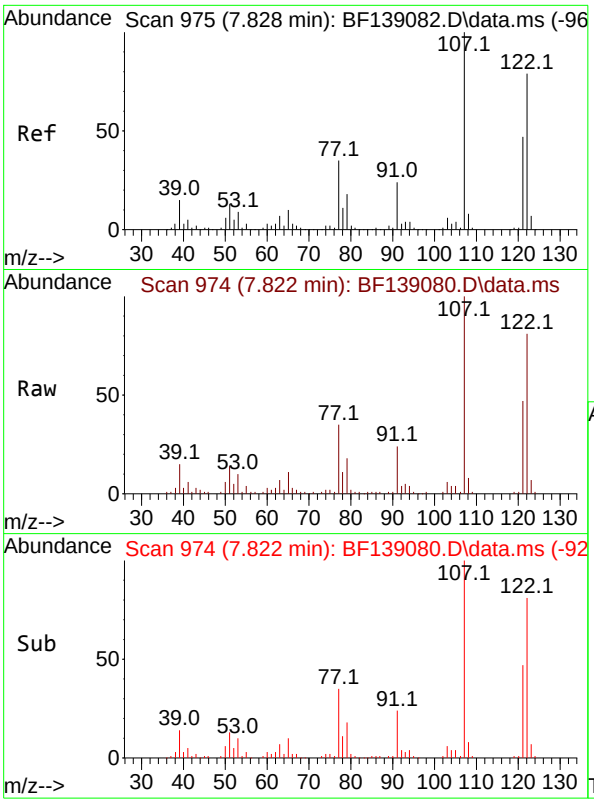


#26
2-Nitrophenol
Concen: 10.580 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:139 Resp: 16519

Ion	Ratio	Lower	Upper
139	100		
109	36.8	29.2	43.8
65	65.1	52.7	79.1



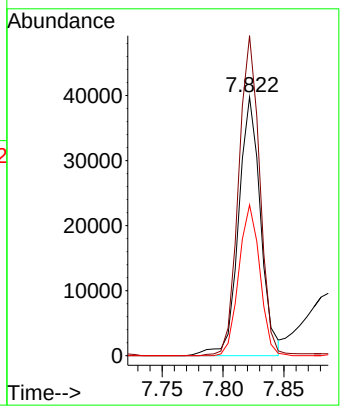


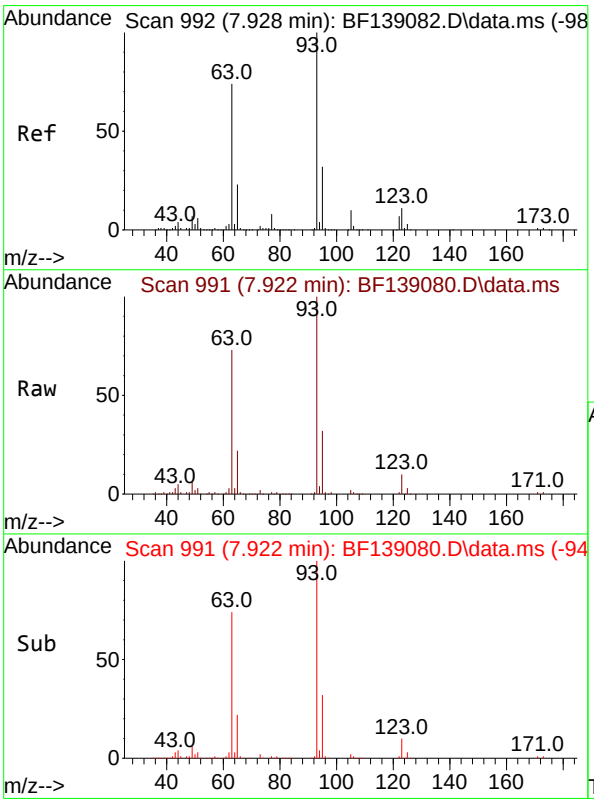
#27
2,4-Dimethylphenol
Concen: 9.796 ng
RT: 7.822 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 49848

Ion	Ratio	Lower	Upper
122	100		
107	123.7	101.1	151.7
121	58.3	47.5	71.3

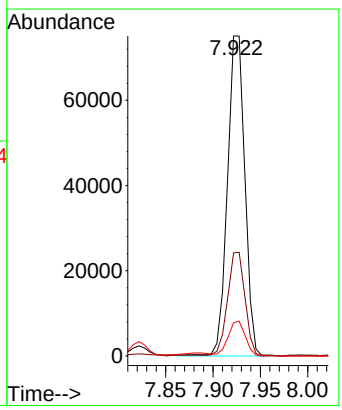


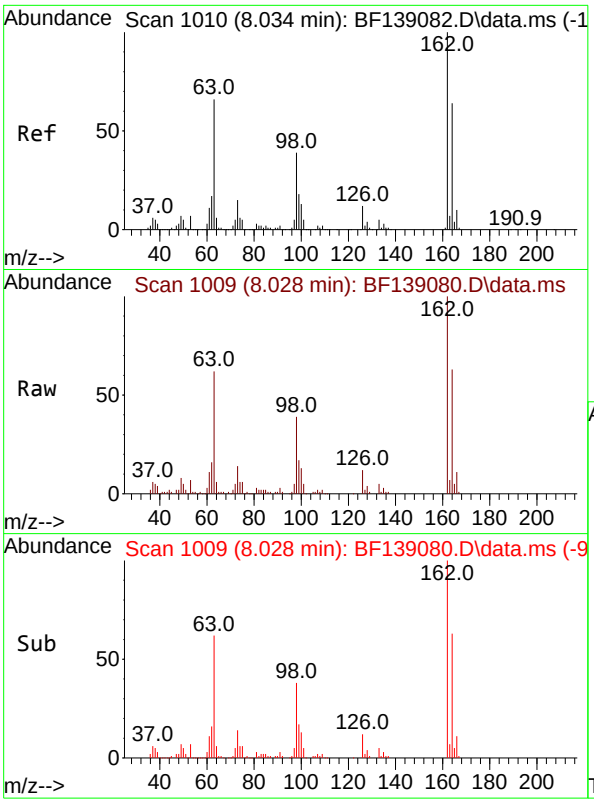


#28
bis(2-Chloroethoxy)methane
Concen: 10.272 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 93 Resp: 96318

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.3	8.9	13.3



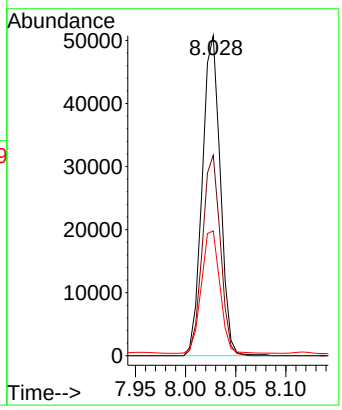


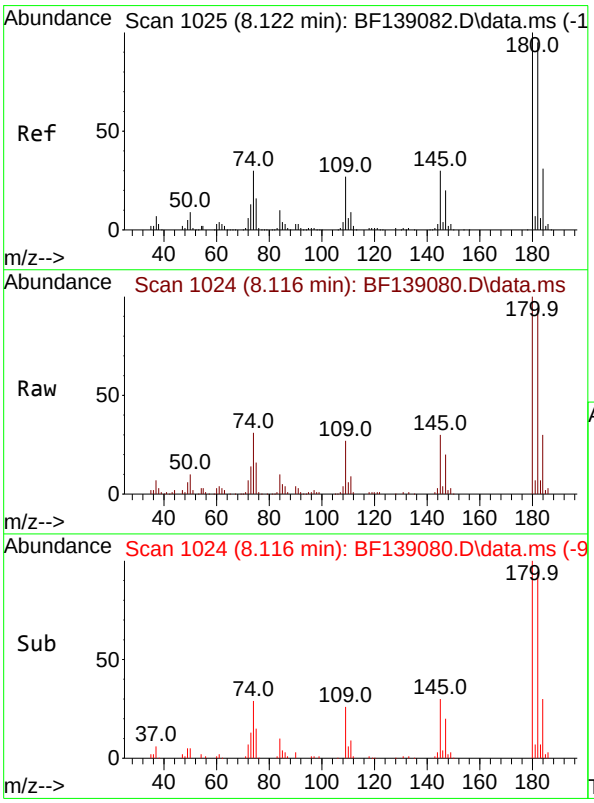
#29
2,4-Dichlorophenol
Concen: 10.053 ng
RT: 8.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 63731

Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.9	83.9
98	39.0	19.7	59.7

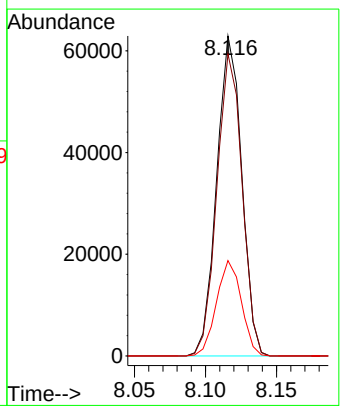


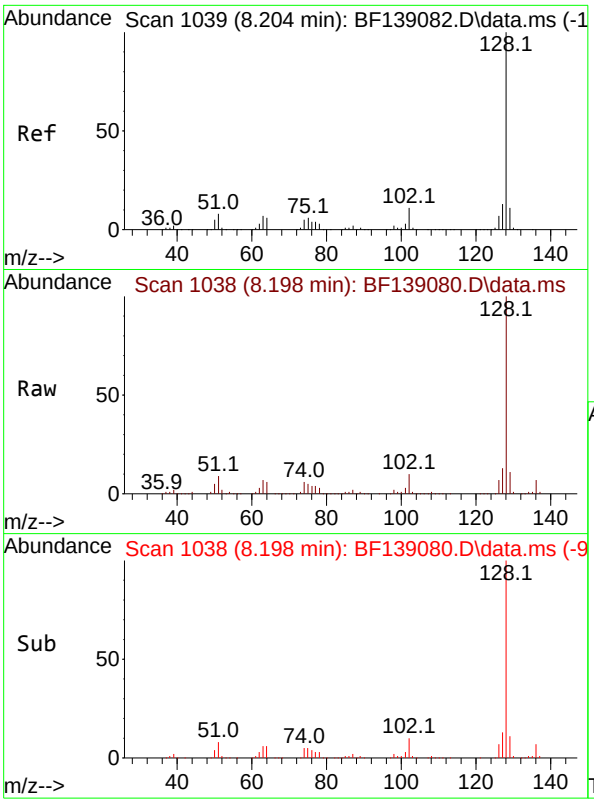


#30
1,2,4-Trichlorobenzene
Concen: 10.365 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:180 Resp: 76944

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.1	114.1
145	29.8	23.9	35.9



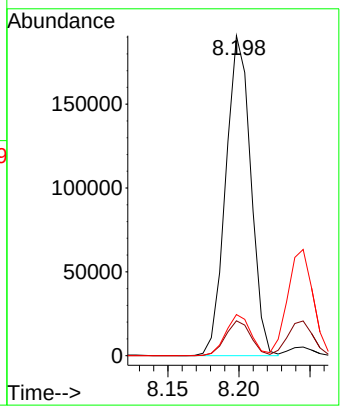


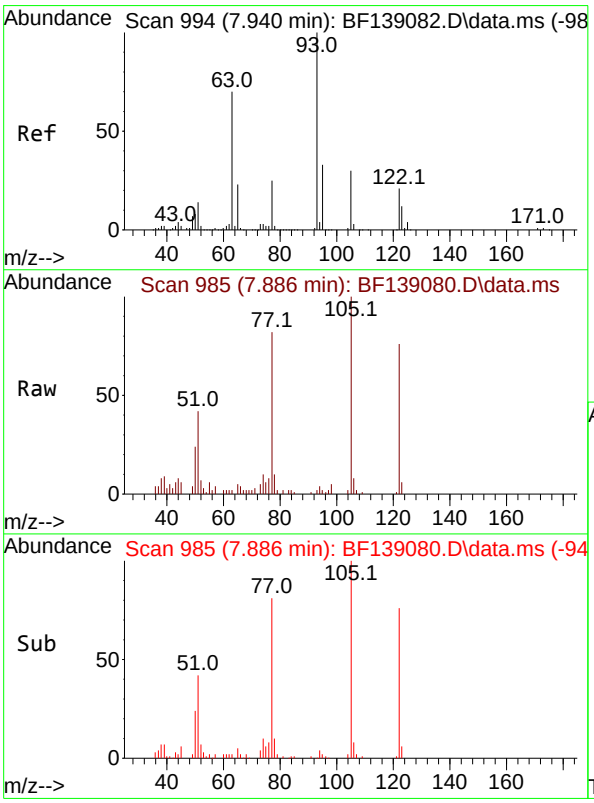
#31
Naphthalene
Concen: 10.479 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 233610

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.8	10.7	16.1

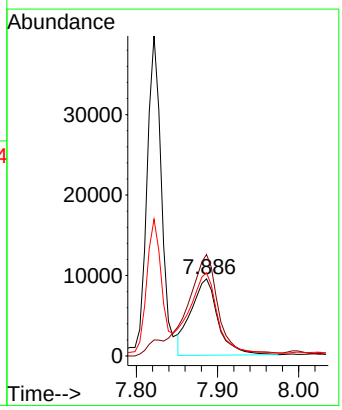


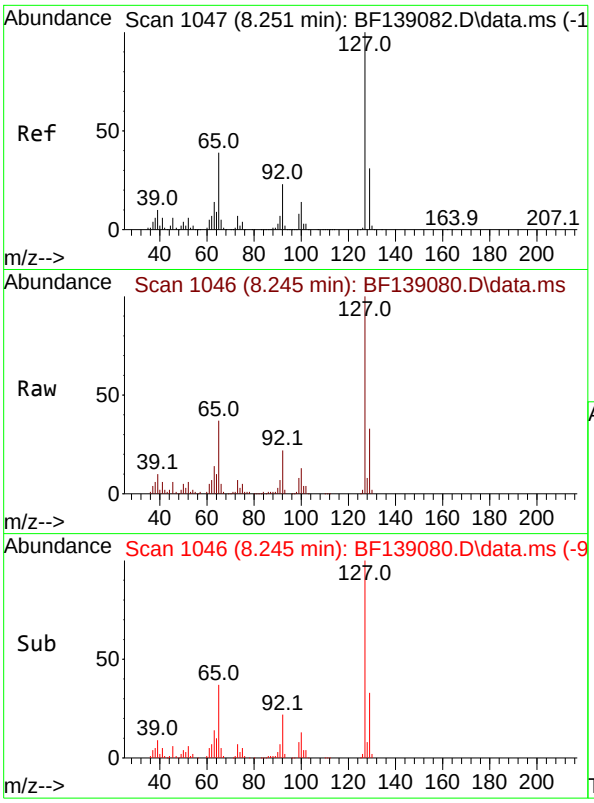


#32
Benzoic acid
Concen: 12.912 ng
RT: 7.886 min Scan# 985
Delta R.T. -0.054 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:122 Resp: 21916

Ion	Ratio	Lower	Upper
122	100		
105	131.5	119.6	159.6
77	107.9	97.6	137.6



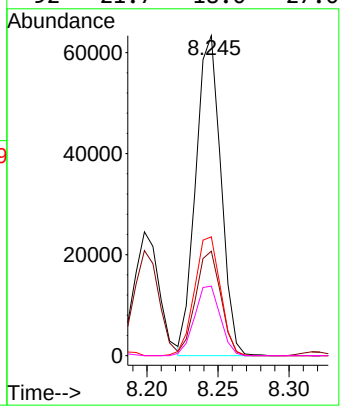


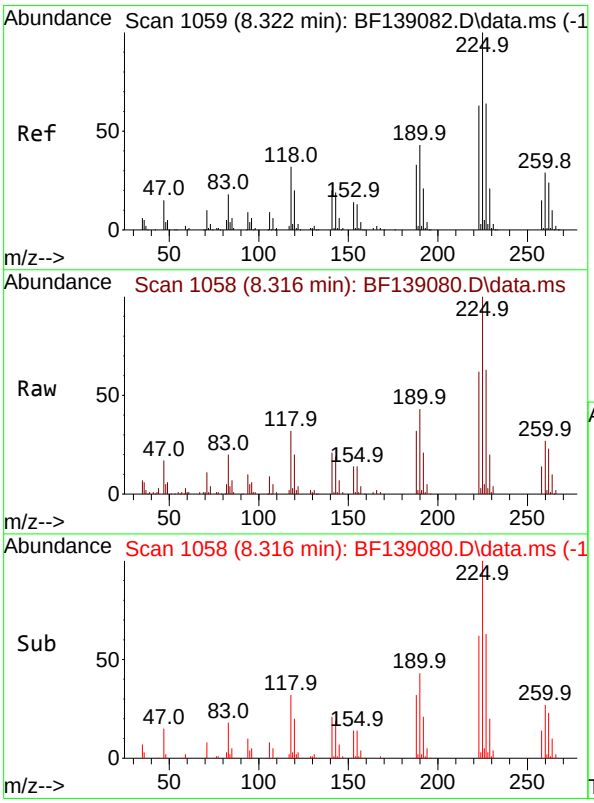
#33
4-Chloroaniline
Concen: 10.229 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 78102

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.0	39.0
65	37.2	30.3	45.5
92	21.7	18.0	27.0

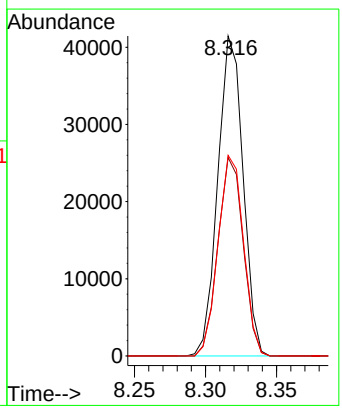


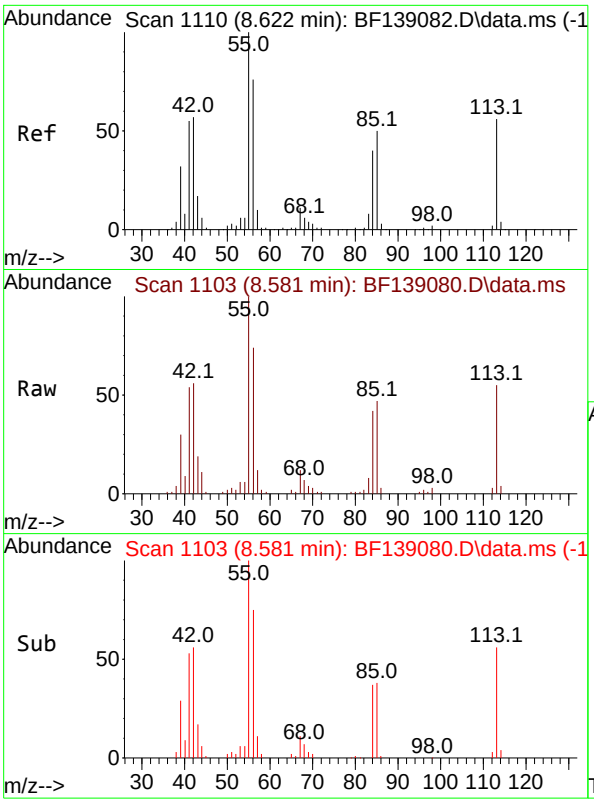


#34
Hexachlorobutadiene
Concen: 10.561 ng
RT: 8.316 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:225 Resp: 51211

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.0	75.0
227	62.7	51.4	77.2



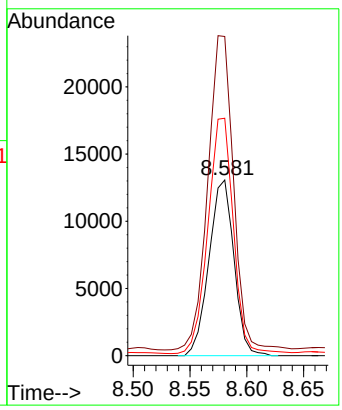


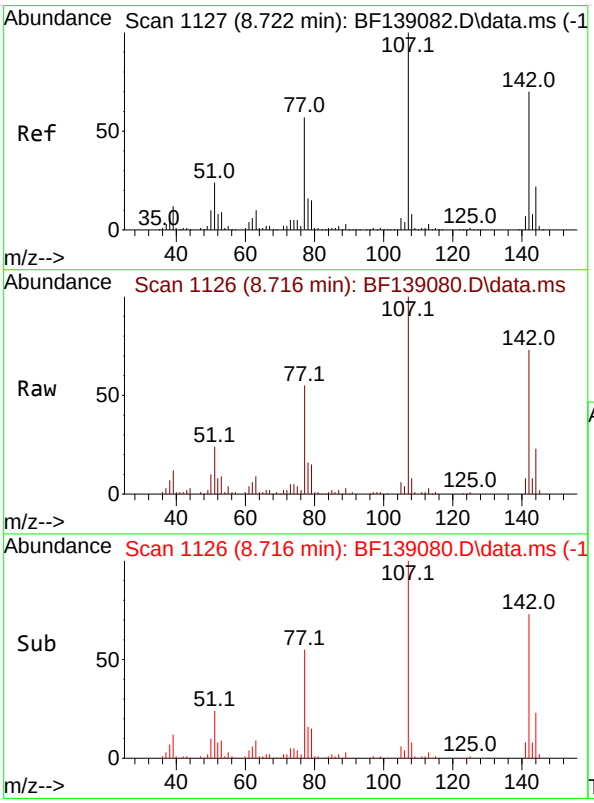
#35
Caprolactam
Concen: 9.949 ng
RT: 8.581 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 19994

Ion	Ratio	Lower	Upper
113	100		
55	181.7	158.6	198.6
56	135.2	115.9	155.9

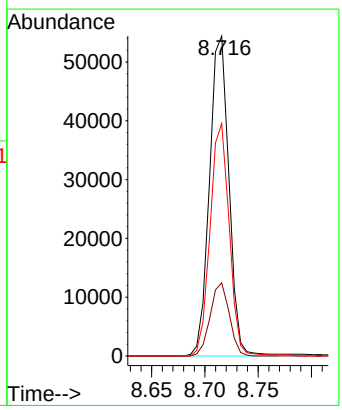


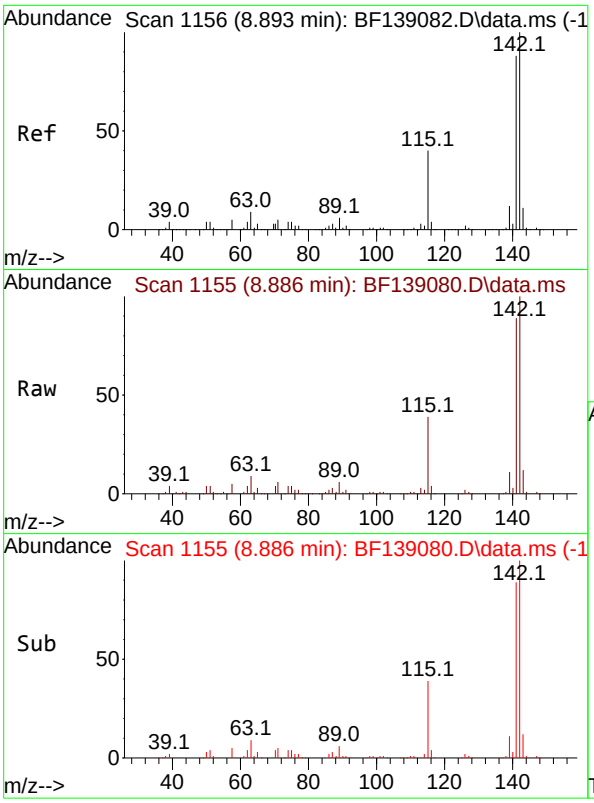


#36
4-Chloro-3-methylphenol
Concen: 9.835 ng
RT: 8.716 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:107 Resp: 69035

Ion	Ratio	Lower	Upper
107	100		
144	22.9	17.7	26.5
142	72.6	55.6	83.4



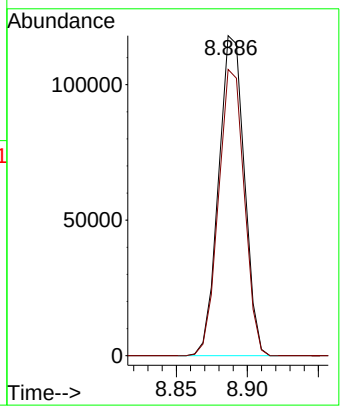


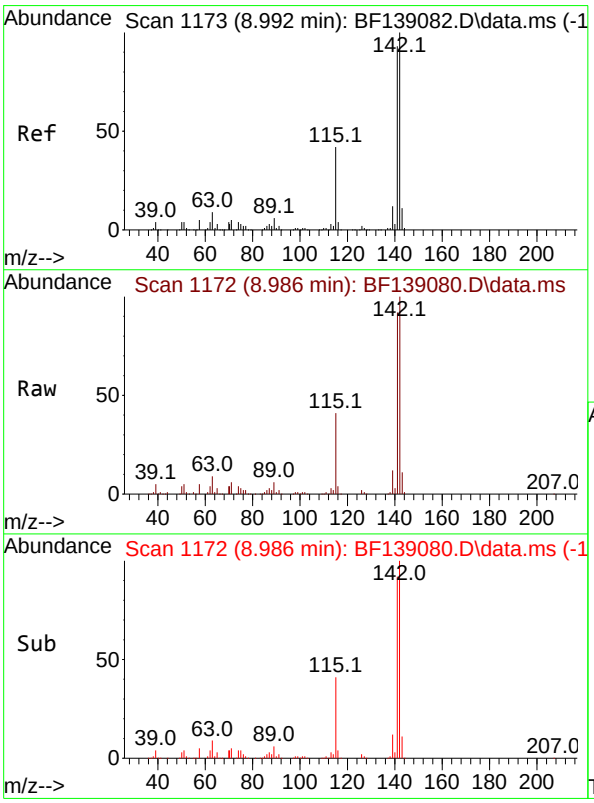
#37
2-Methylnaphthalene
Concen: 10.430 ng
RT: 8.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 149152

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.6	105.8

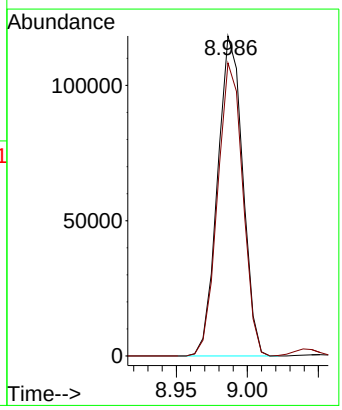


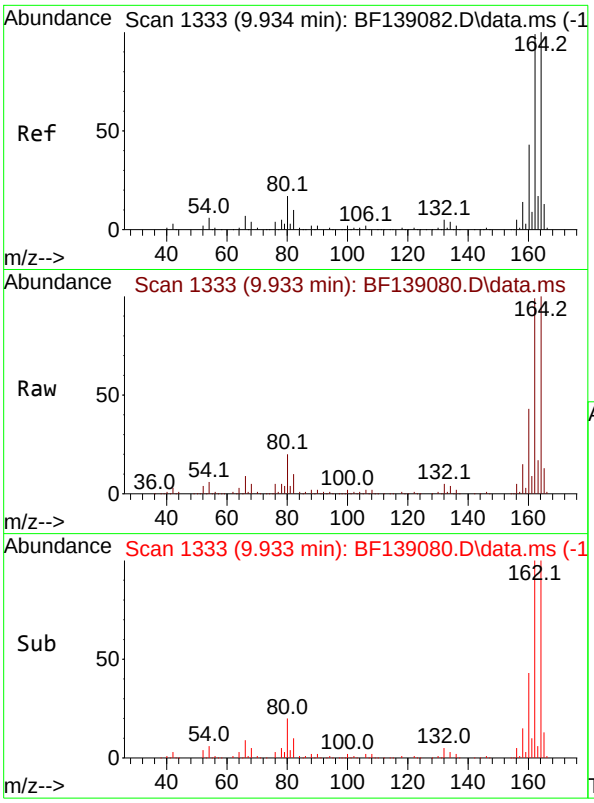


#38
1-Methylnaphthalene
Concen: 10.549 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:142 Resp: 145582

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.1	111.1



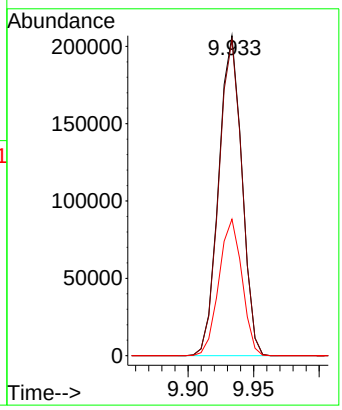


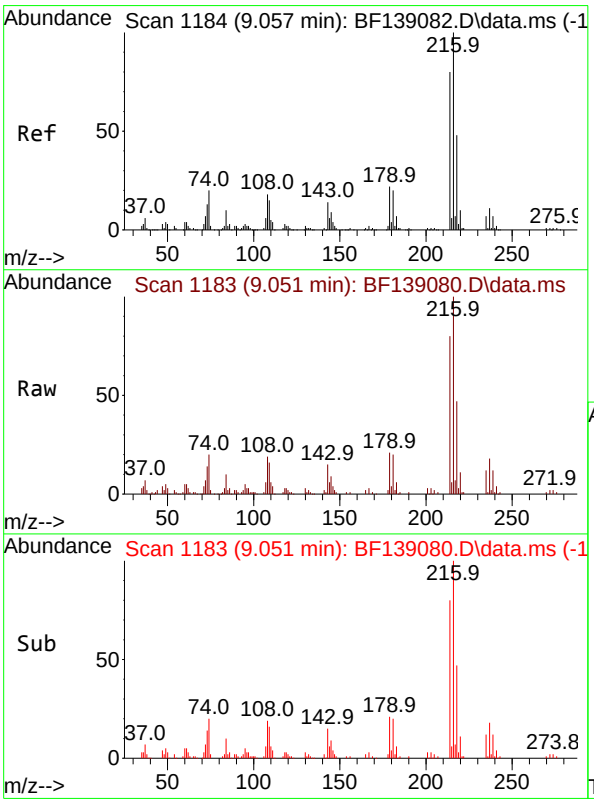
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 254047

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.5	119.3
160	42.7	34.5	51.7

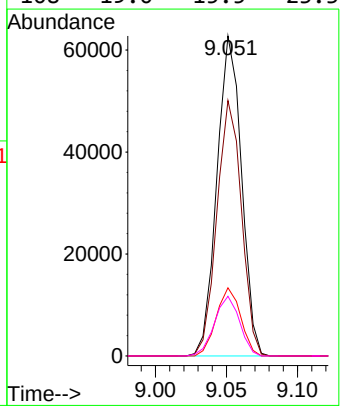


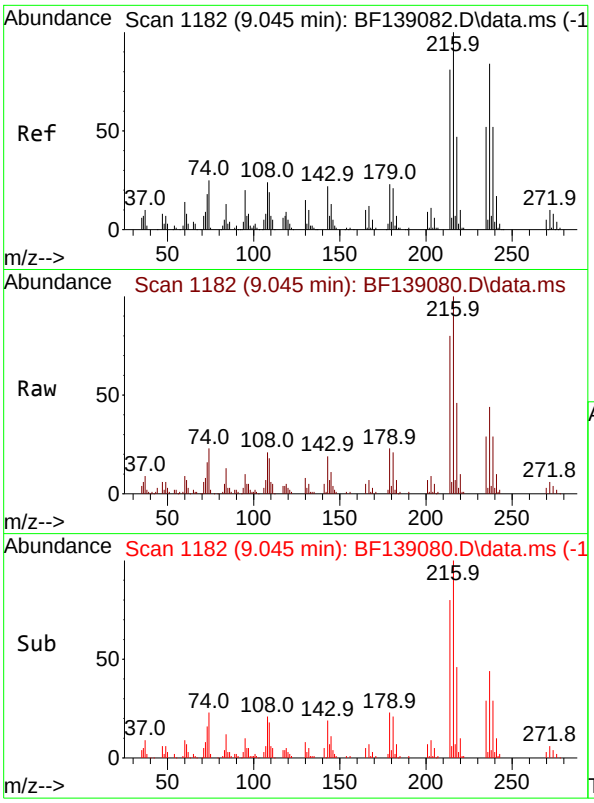


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.585 ng
RT: 9.051 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:216 Resp: 75584

Ion	Ratio	Lower	Upper
216	100		
214	79.6	64.2	96.2
179	21.1	17.4	26.2
108	19.0	15.5	23.3



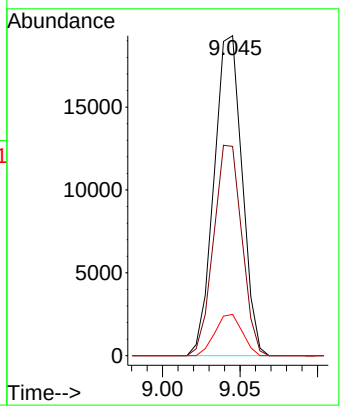


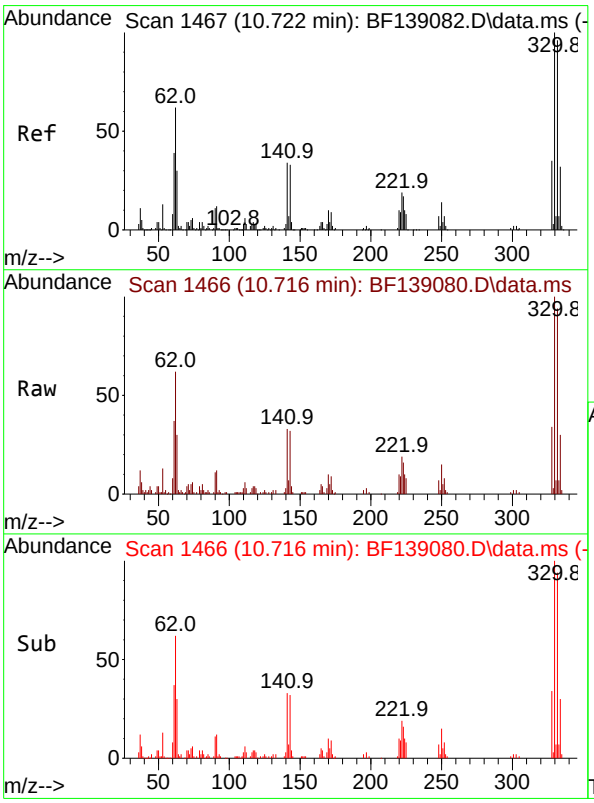
#41
Hexachlorocyclopentadiene
Concen: 9.109 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 24349

Ion	Ratio	Lower	Upper
237	100		
235	65.4	42.5	82.5
272	12.9	0.0	32.0

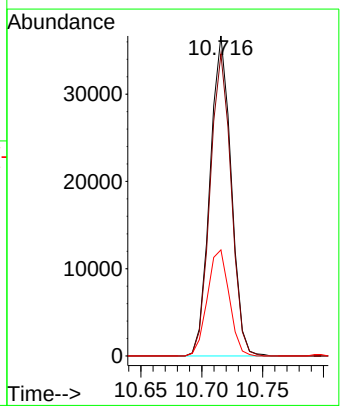


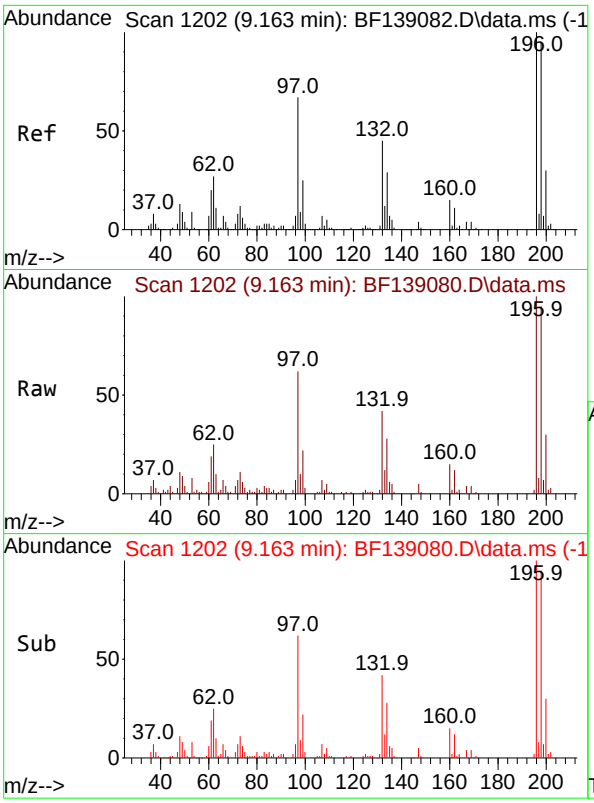


#42
2,4,6-Tribromophenol
Concen: 19.227 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:330 Resp: 44220

Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	34.3	27.5	41.3



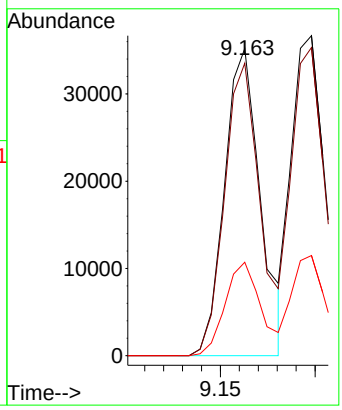


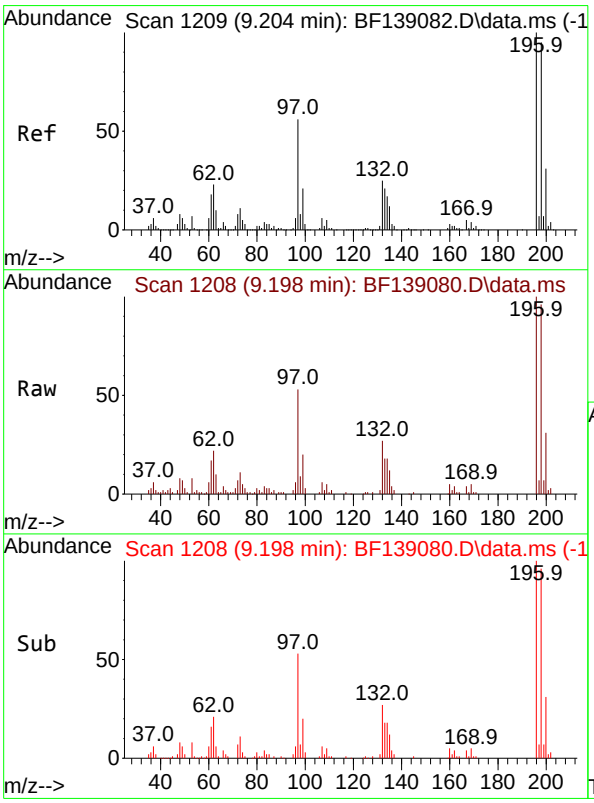
#43
2,4,6-Trichlorophenol
Concen: 9.846 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 46215

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.4	114.6
200	30.4	23.8	35.8

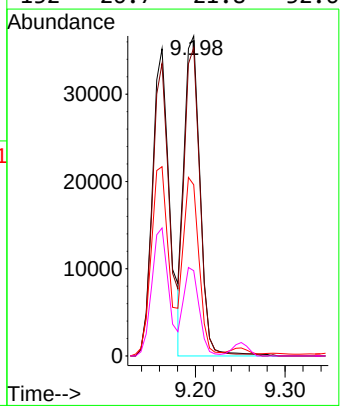


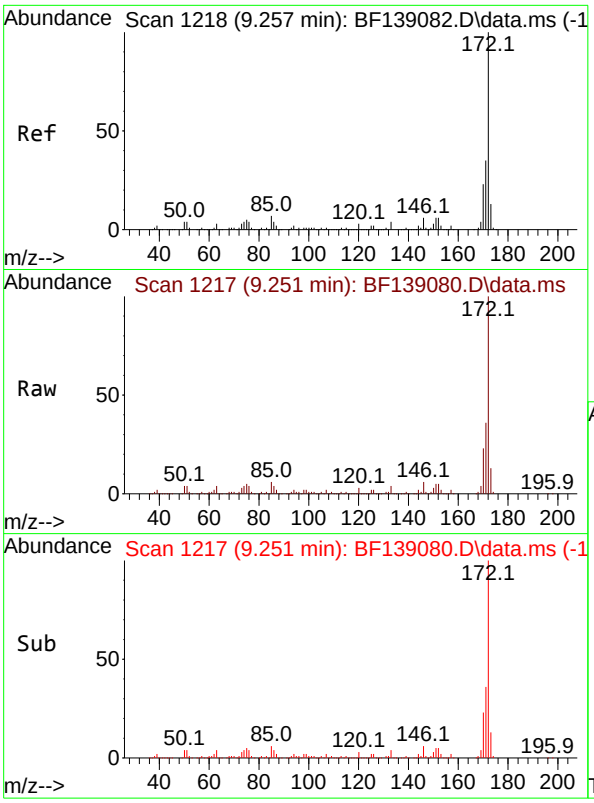


#44
2,4,5-Trichlorophenol
Concen: 9.472 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:196 Resp: 45634

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.6	114.8
97	53.5	44.6	67.0
132	26.7	21.8	32.6



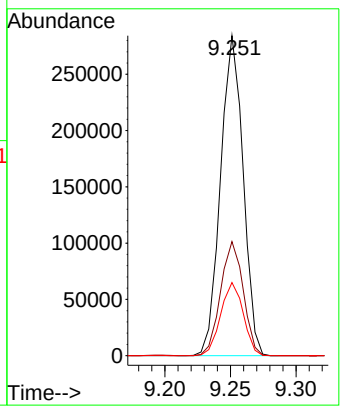


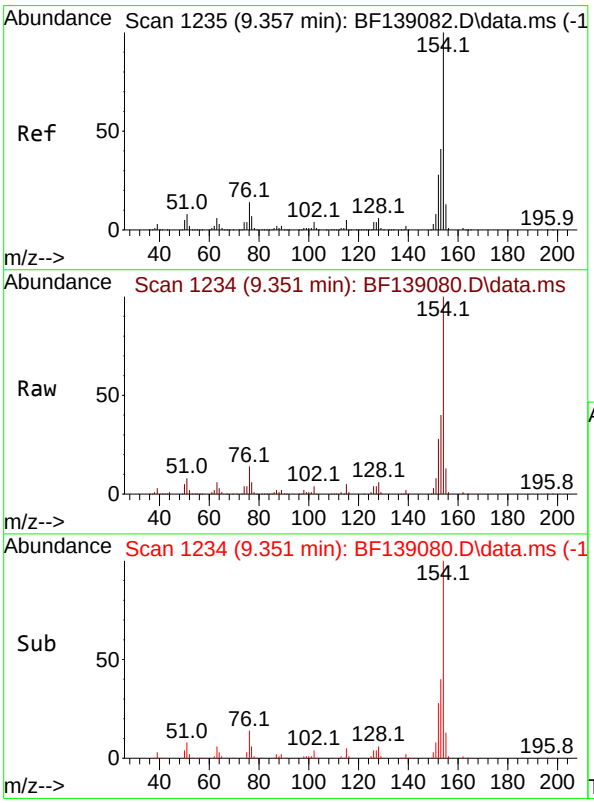
#45
2-Fluorobiphenyl
Concen: 21.284 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 340797

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	22.8	18.8	28.2

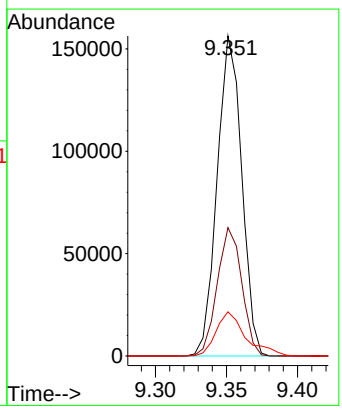


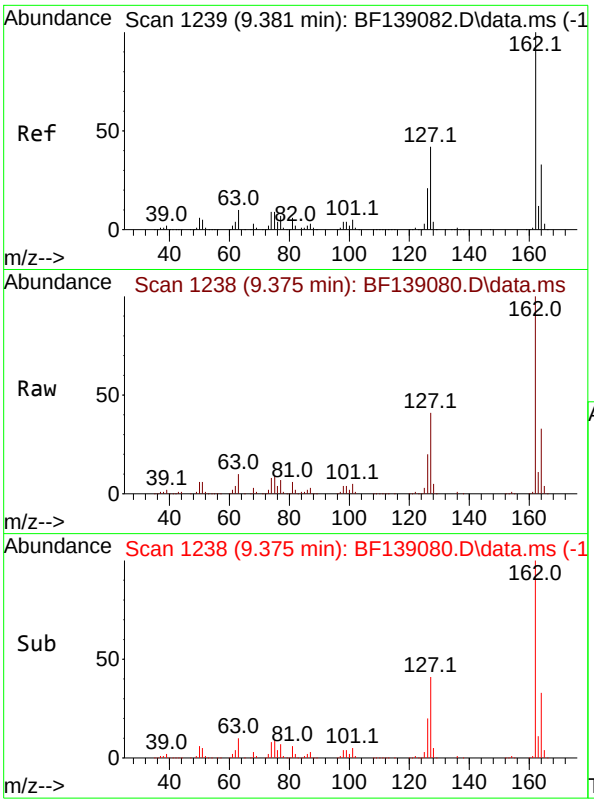


#46
1,1'-Biphenyl
Concen: 10.792 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:154 Resp: 187807

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.6	60.6
76	13.8	0.0	33.6



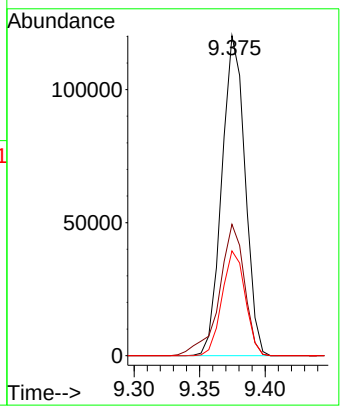


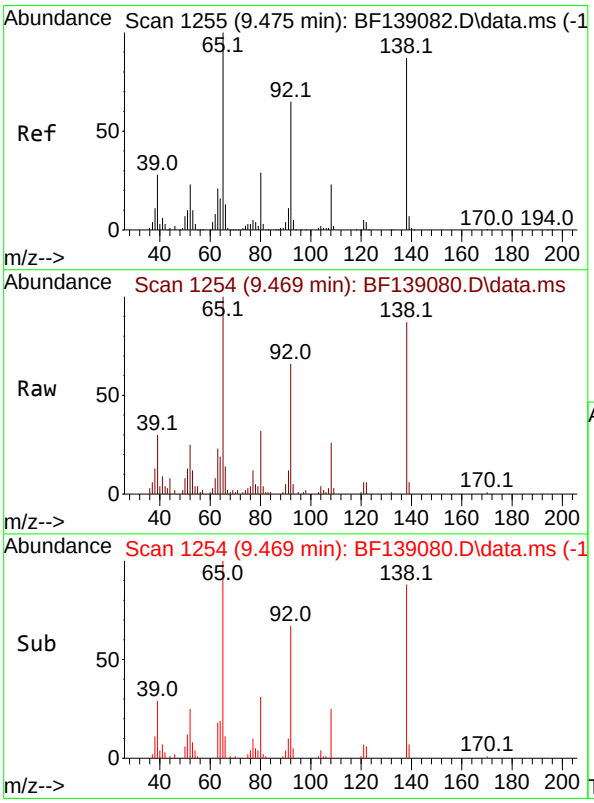
#47
2-Chloronaphthalene
Concen: 10.463 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 147954

Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.8	50.6
164	32.8	26.3	39.5

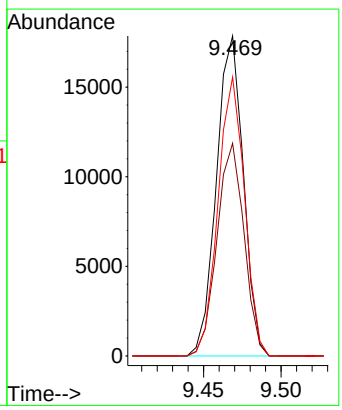


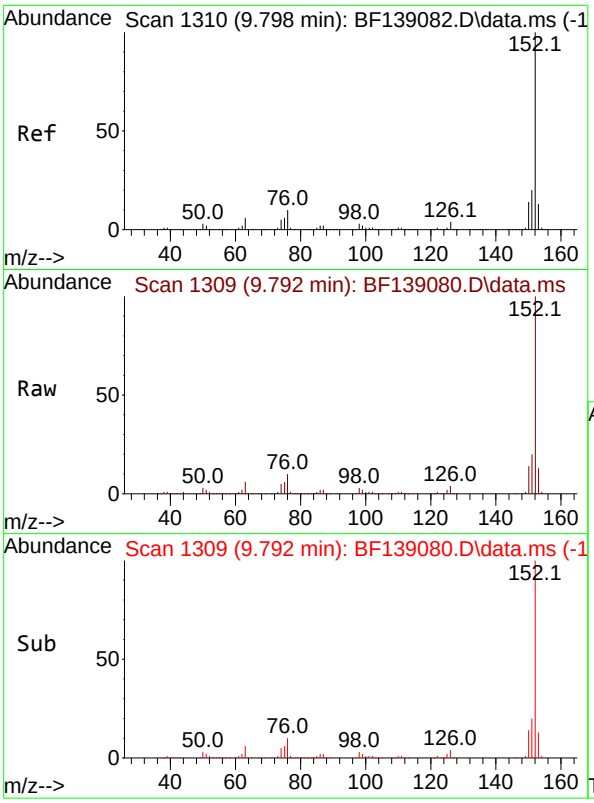


#48
2-Nitroaniline
Concen: 10.352 ng
RT: 9.469 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion: 65 Resp: 21571

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.4	78.6
138	87.2	69.4	104.0



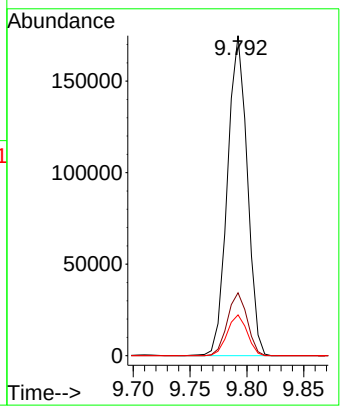


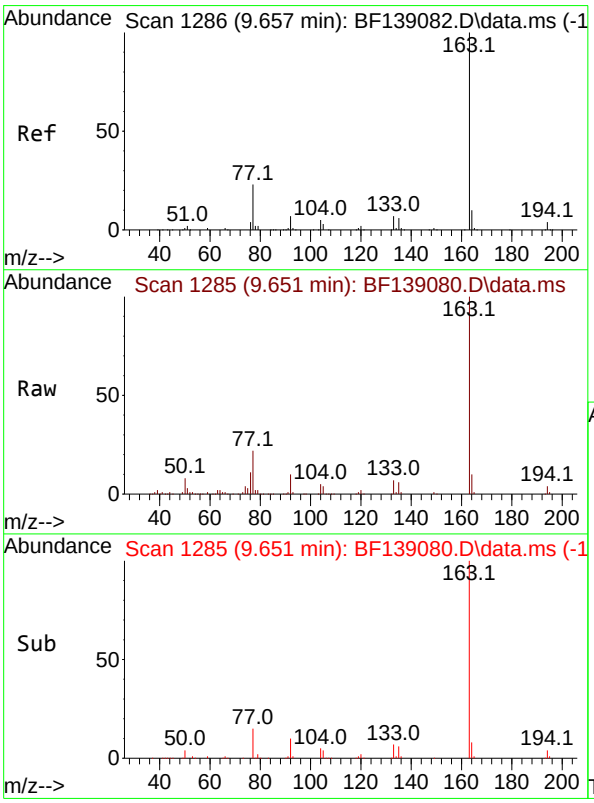
#49
Acenaphthylene
Concen: 10.450 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 211674

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	12.7	10.6	15.8

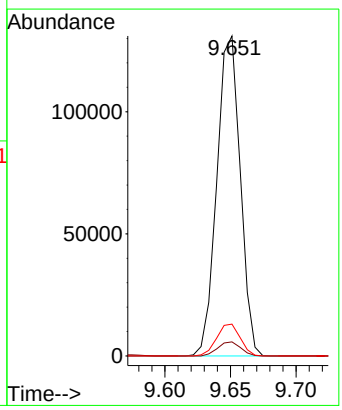


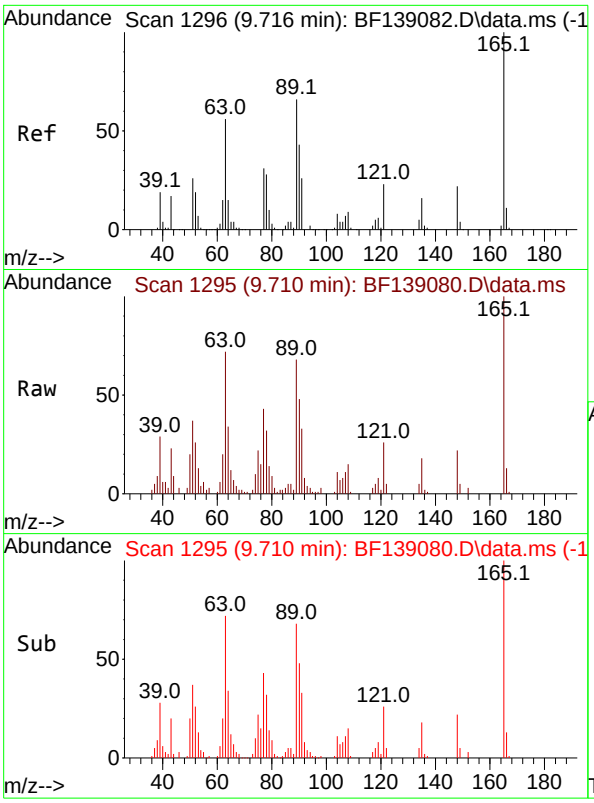


#50
Dimethylphthalate
Concen: 10.372 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:163 Resp: 162672

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.9	8.2	12.2



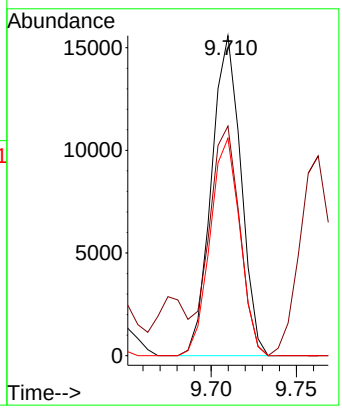


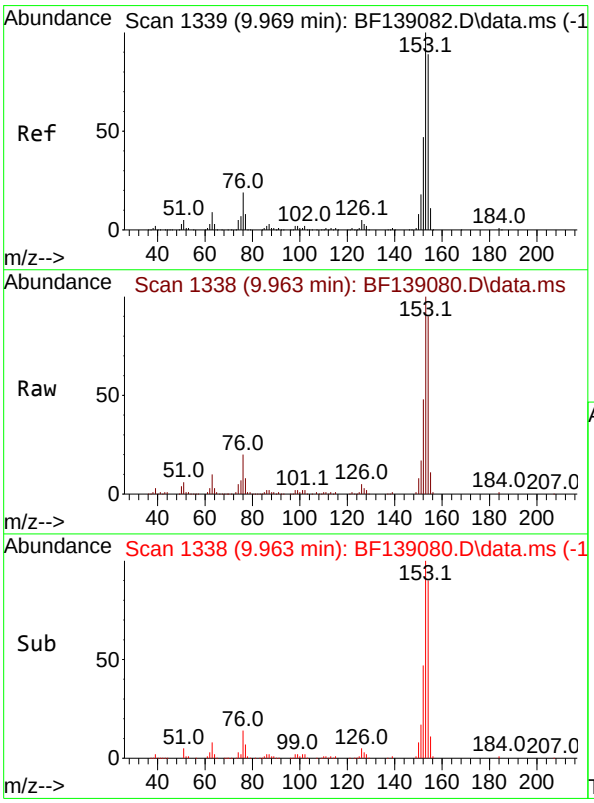
#51
2,6-Dinitrotoluene
Concen: 9.911 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 18731

Ion	Ratio	Lower	Upper
165	100		
63	71.8	58.0	87.0
89	67.9	53.3	79.9

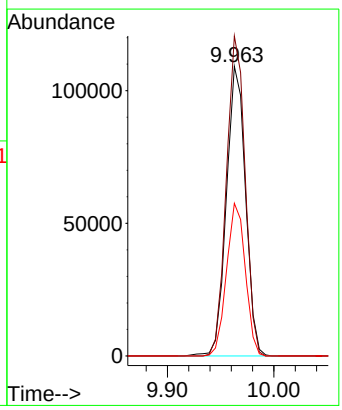


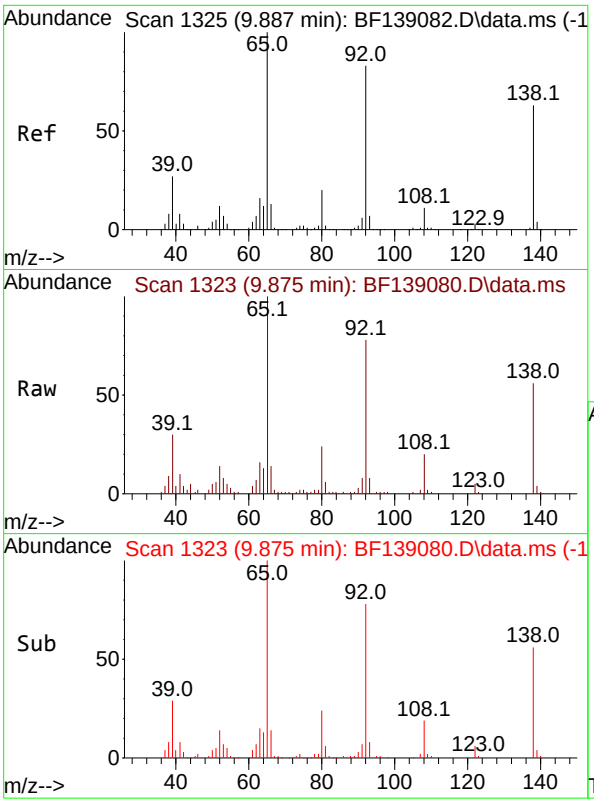


#52
Acenaphthene
Concen: 10.211 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:154 Resp: 136622

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.7	134.5
152	52.7	42.3	63.5



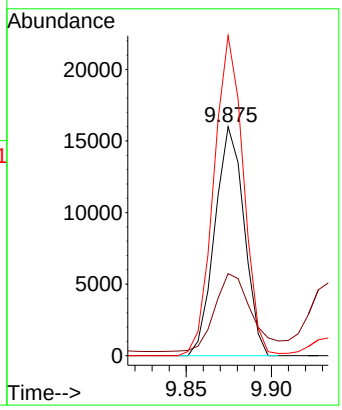


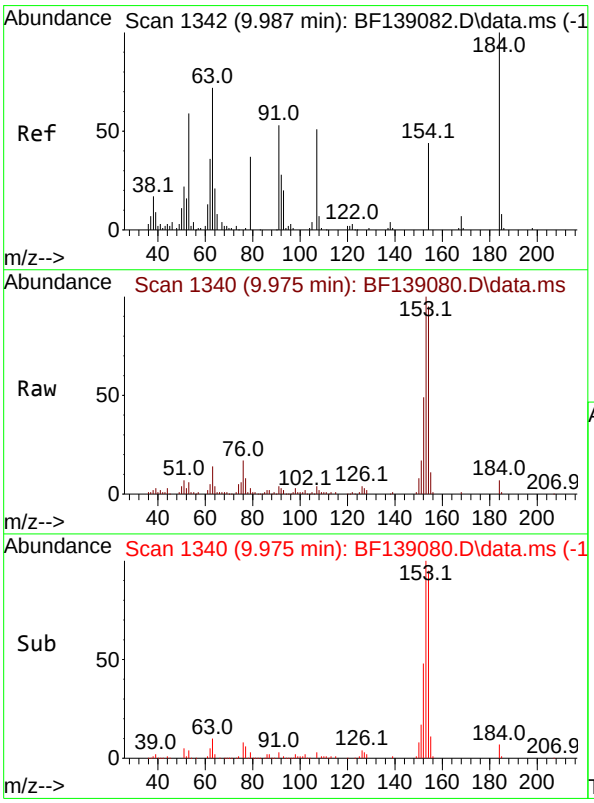
#53
3-Nitroaniline
Concen: 9.666 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 19146

Ion	Ratio	Lower	Upper
138	100		
108	35.8	14.6	21.8#
92	139.8	105.9	158.9

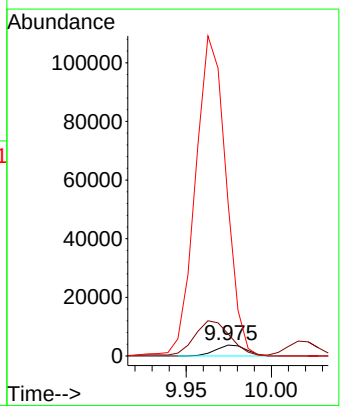


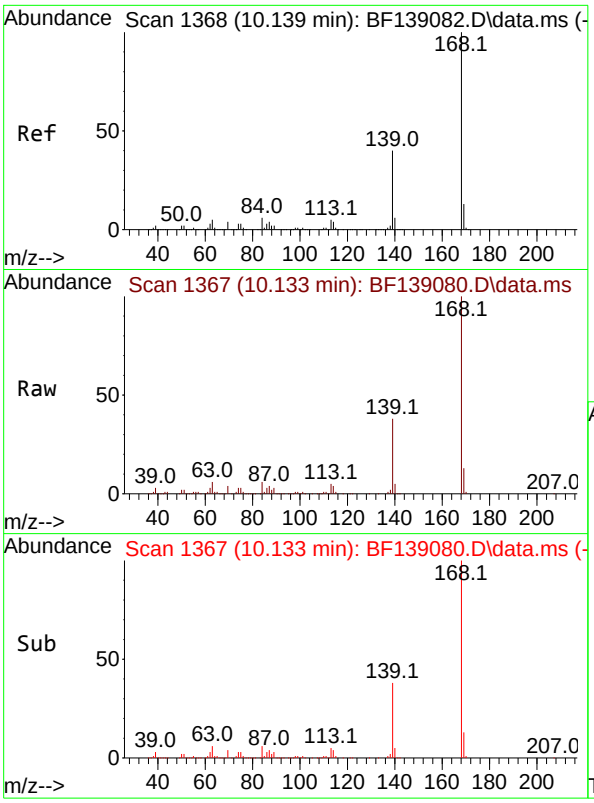


#54
2,4-Dinitrophenol
Concen: 10.995 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:184 Resp: 4613

Ion	Ratio	Lower	Upper
184	100		
63	202.2	70.5	105.7#
154	1404.0	135.0	202.6#



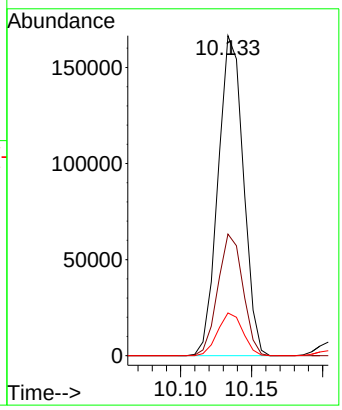


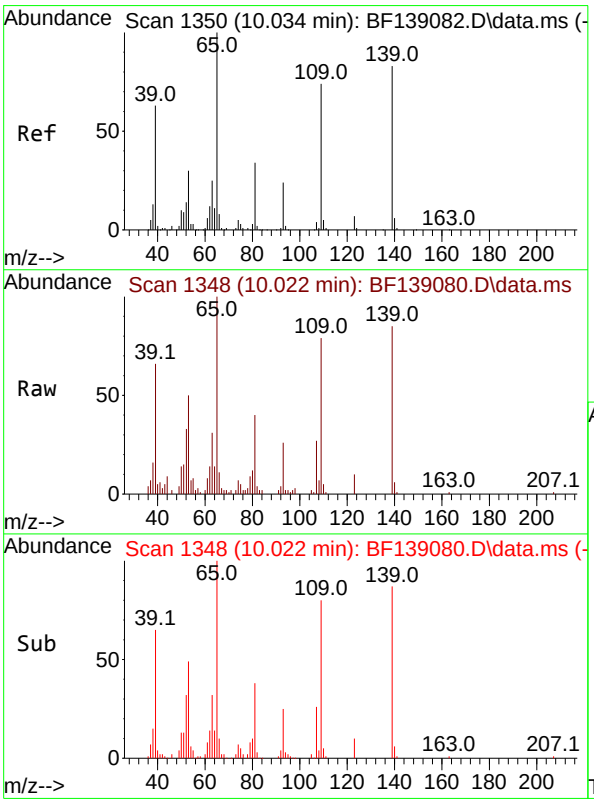
#55
Dibenzofuran
Concen: 10.591 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 205829

Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.6	47.4
169	13.4	10.7	16.1

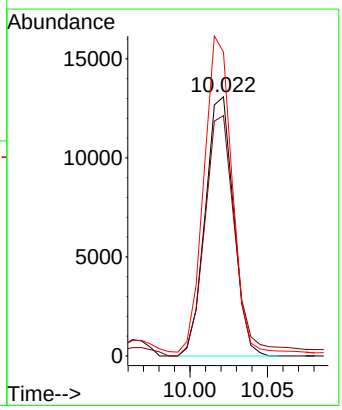


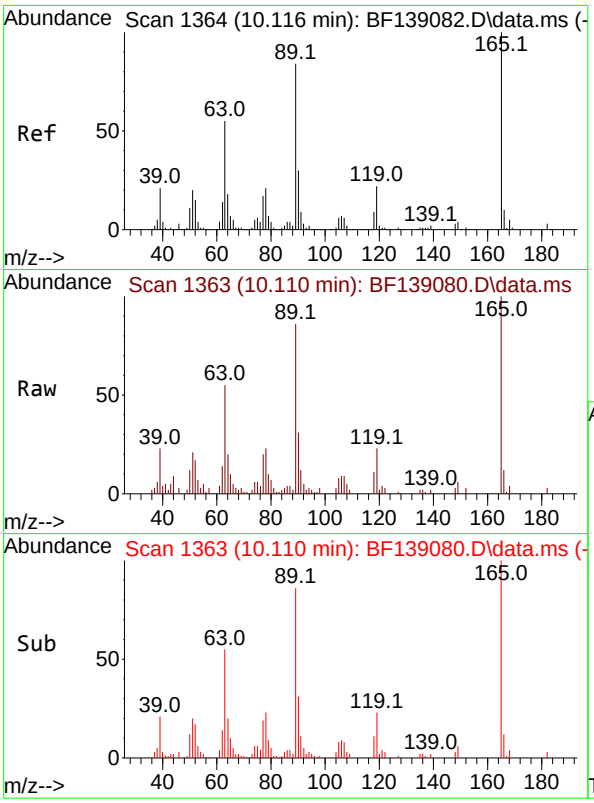


#56
4-Nitrophenol
Concen: 6.997 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:139 Resp: 16588

Ion	Ratio	Lower	Upper
139	100		
109	92.7	68.8	108.8
65	117.2	101.3	141.3



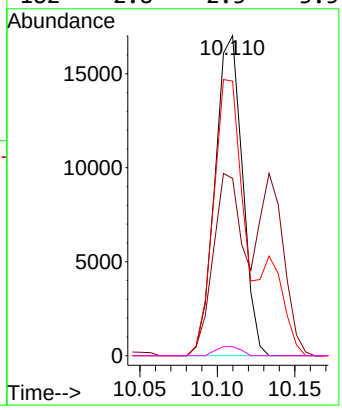


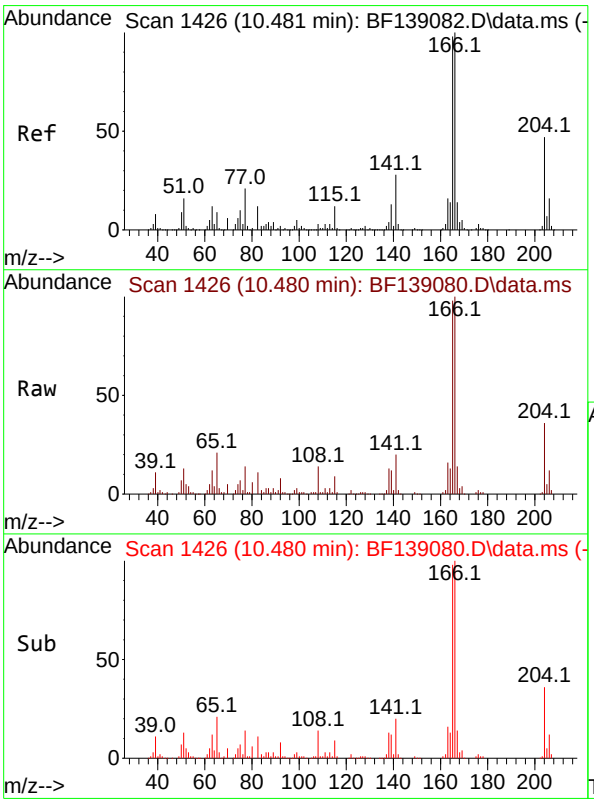
#57
2,4-Dinitrotoluene
Concen: 10.256 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 21006

Ion	Ratio	Lower	Upper
165	100		
63	55.4	44.2	66.4
89	85.8	67.4	101.2
182	2.8	2.3	3.5

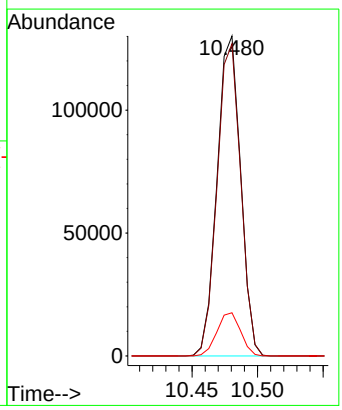


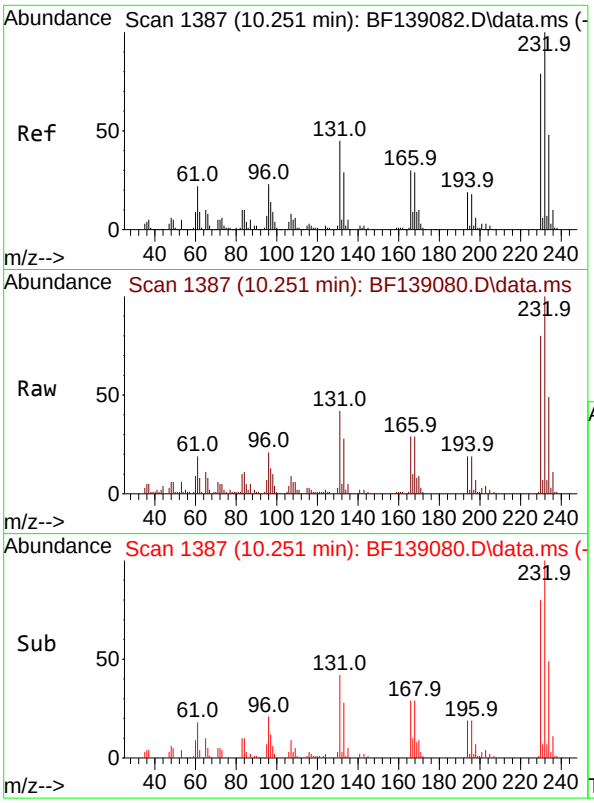


#58
Fluorene
Concen: 10.466 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:166 Resp: 162549

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.5	11.0	16.4



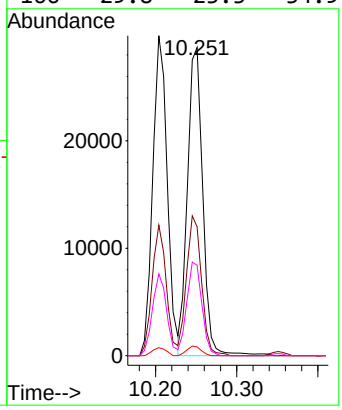


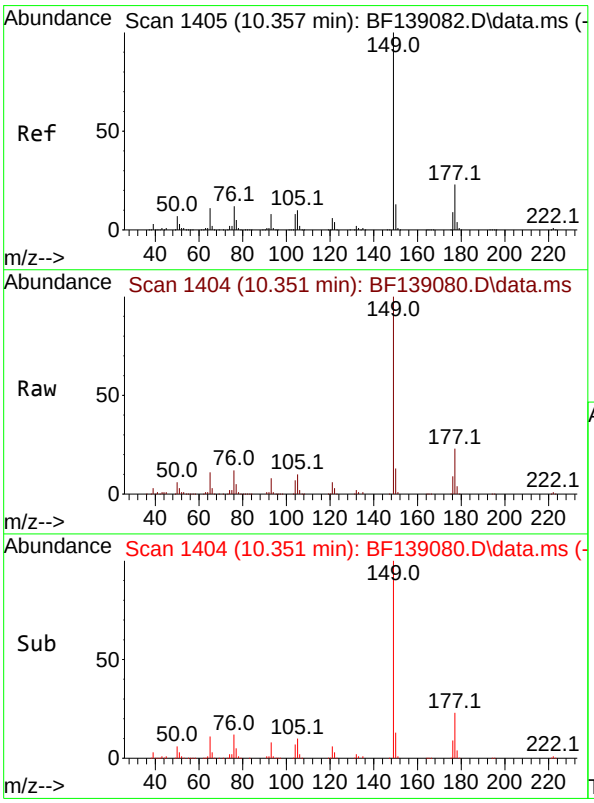
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.745 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 37698

Ion	Ratio	Lower	Upper
232	100		
131	44.2	36.0	54.0
130	2.9	2.0	3.0
166	29.8	23.3	34.9

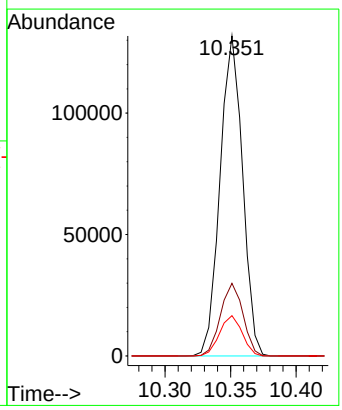


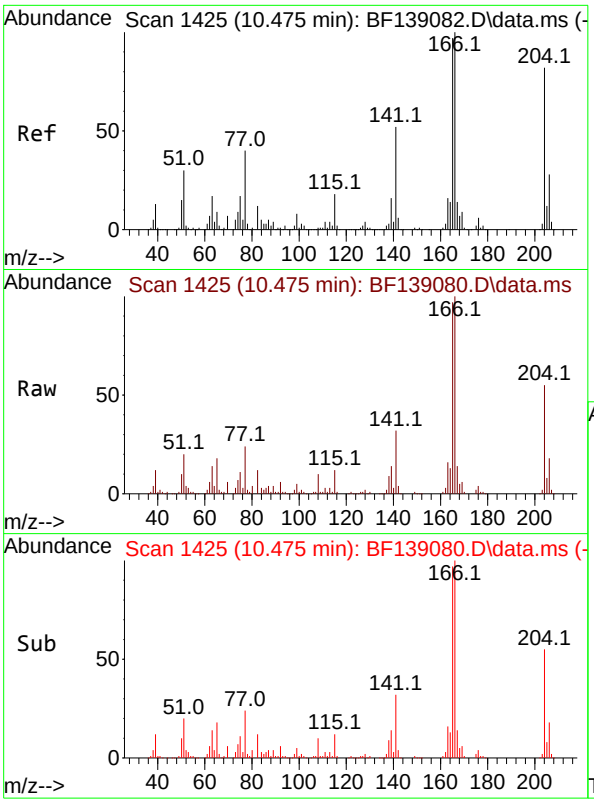


#60
Diethylphthalate
Concen: 10.109 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 157093

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.6	10.2	15.2



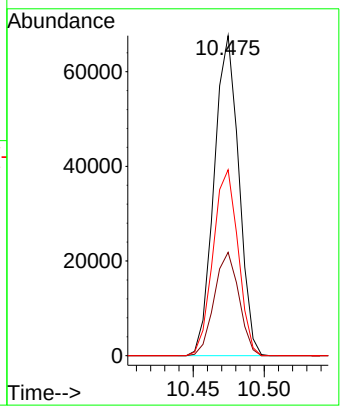


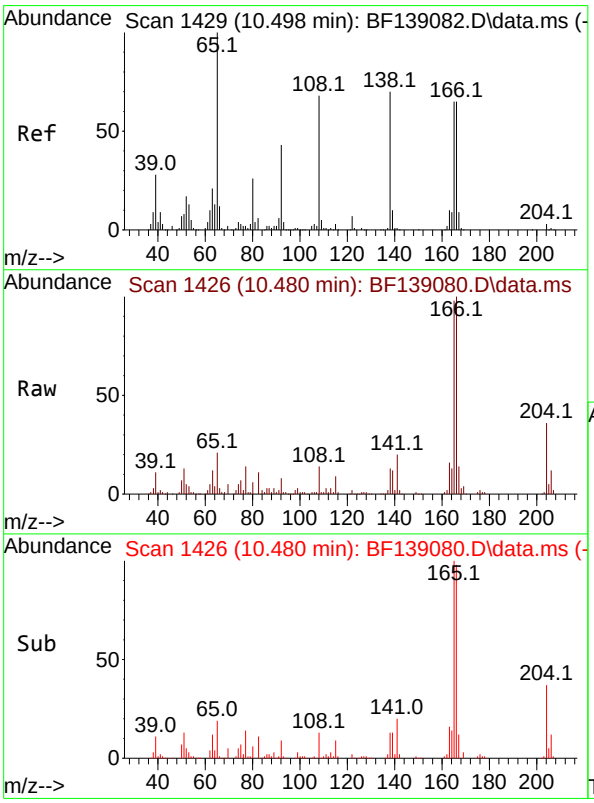
#61
4-Chlorophenyl-phenylether
Concen: 10.520 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 81606

Ion	Ratio	Lower	Upper
204	100		
206	32.3	27.0	40.4
141	58.1	50.9	76.3

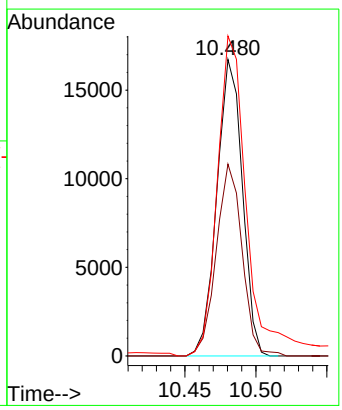


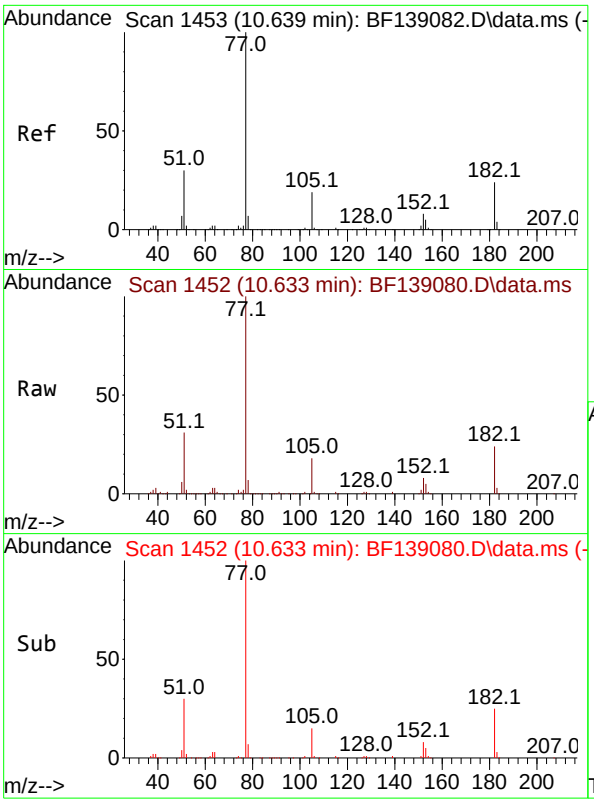


#62
4-Nitroaniline
Concen: 9.698 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:138 Resp: 20891

Ion	Ratio	Lower	Upper
138	100		
92	64.7	41.4	81.4
108	107.9	76.8	116.8



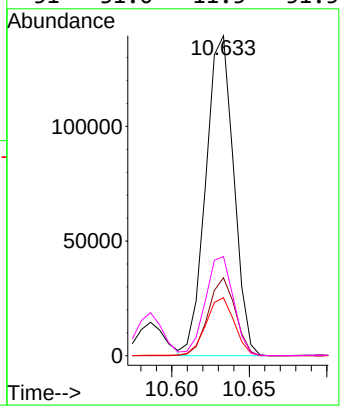


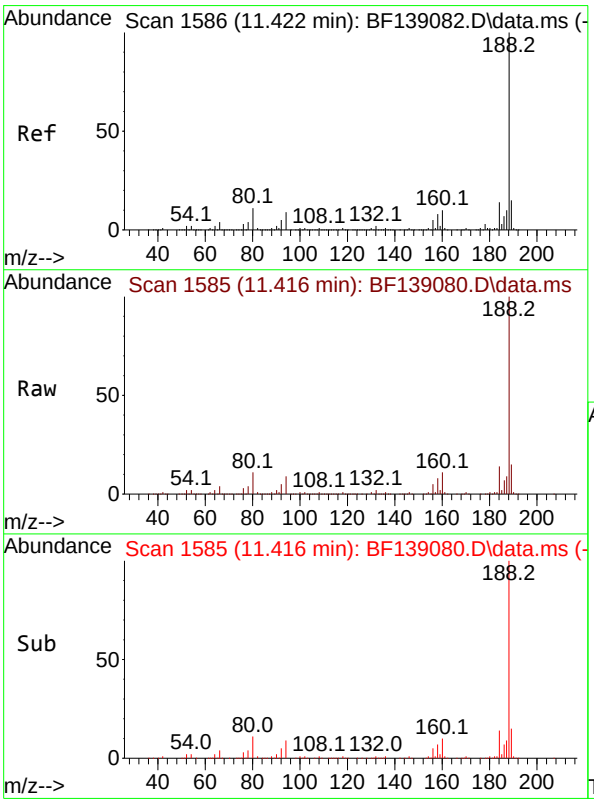
#63
Azobenzene
Concen: 10.134 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 175015

Ion	Ratio	Lower	Upper
77	100		
182	24.3	4.0	44.0
105	18.1	0.0	39.1
51	31.0	11.5	51.5

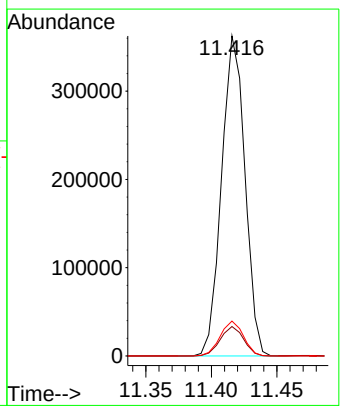


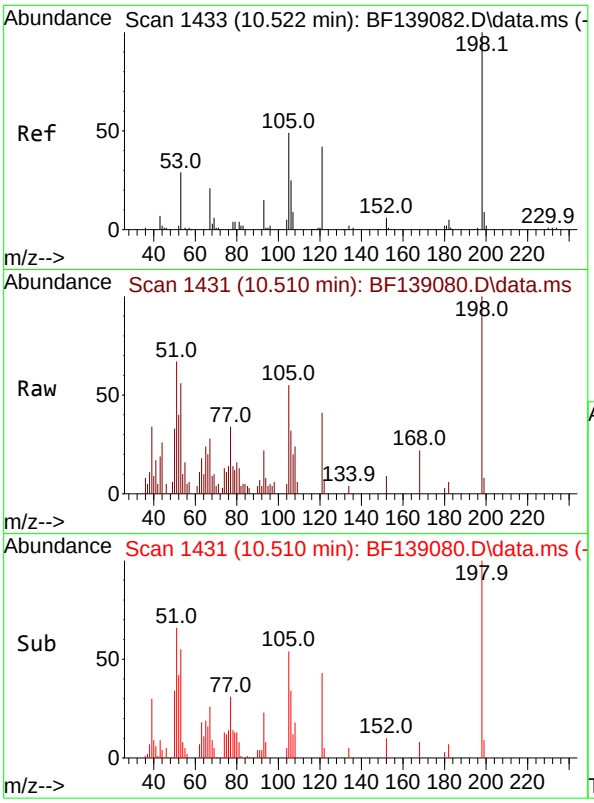


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:188 Resp: 449729

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.9	8.5	12.7



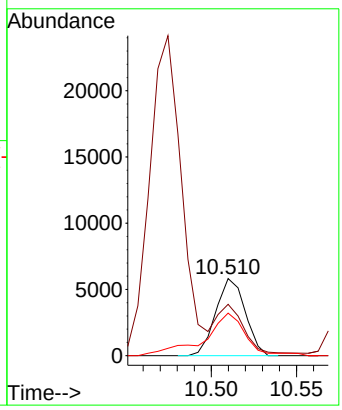


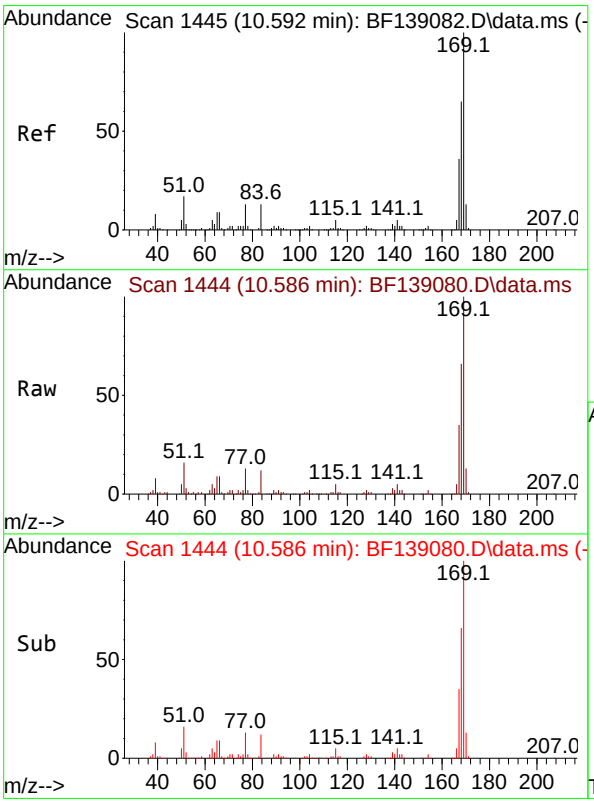
#65
4,6-Dinitro-2-methylphenol
Concen: 11.000 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 6992

Ion	Ratio	Lower	Upper
198	100		
51	66.6	40.8	80.8
105	55.1	30.9	70.9

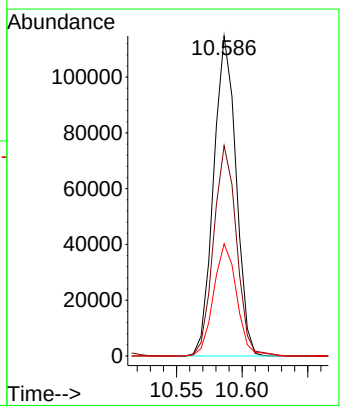


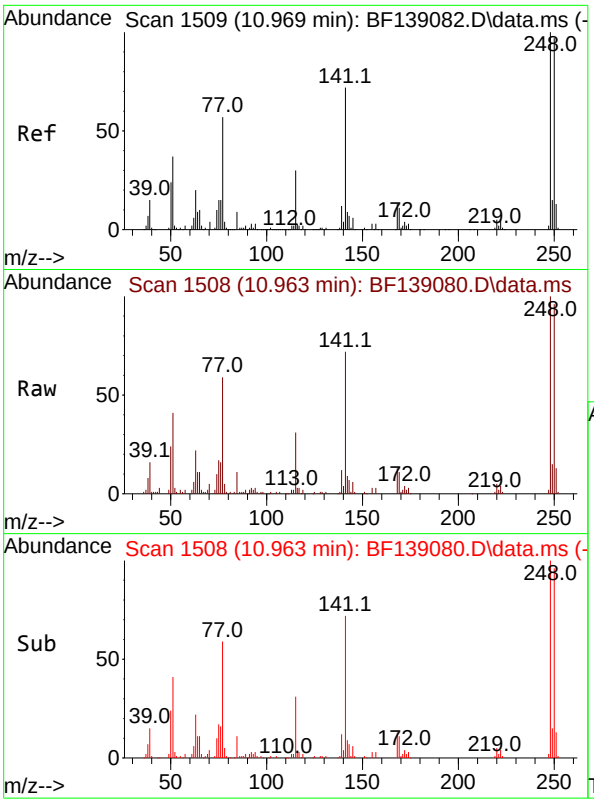


#66
n-Nitrosodiphenylamine
Concen: 10.241 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:169 Resp: 136277

Ion	Ratio	Lower	Upper
169	100		
168	65.7	52.4	78.6
167	35.1	28.6	43.0



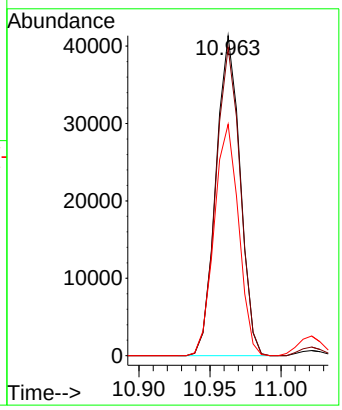


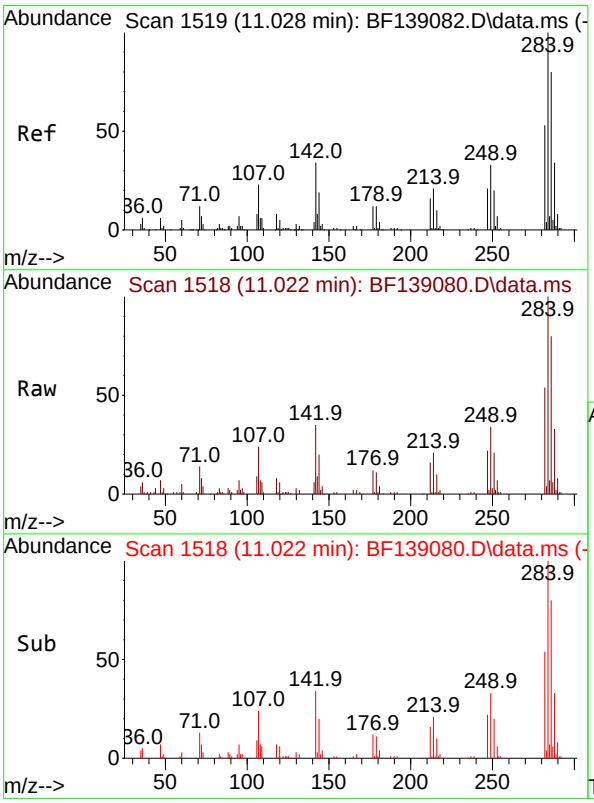
#67
4-Bromophenyl-phenylether
Concen: 10.244 ng
RT: 10.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 48816

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.8	116.8
141	72.3	57.9	86.9

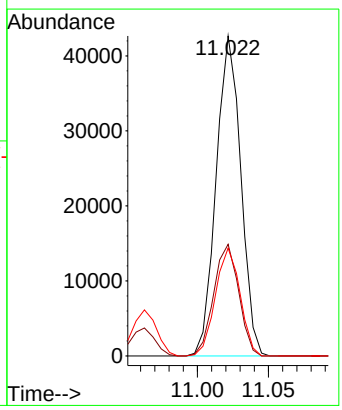


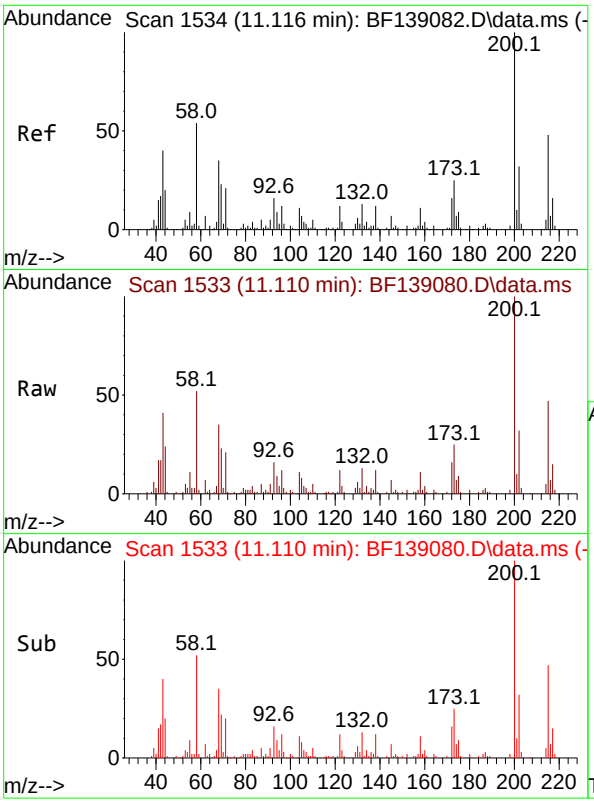


#68
Hexachlorobenzene
Concen: 10.072 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:284 Resp: 51493

Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.1	40.7
249	33.7	26.8	40.2



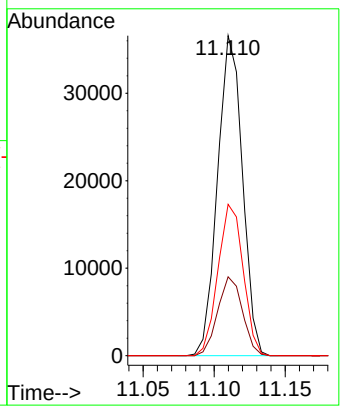


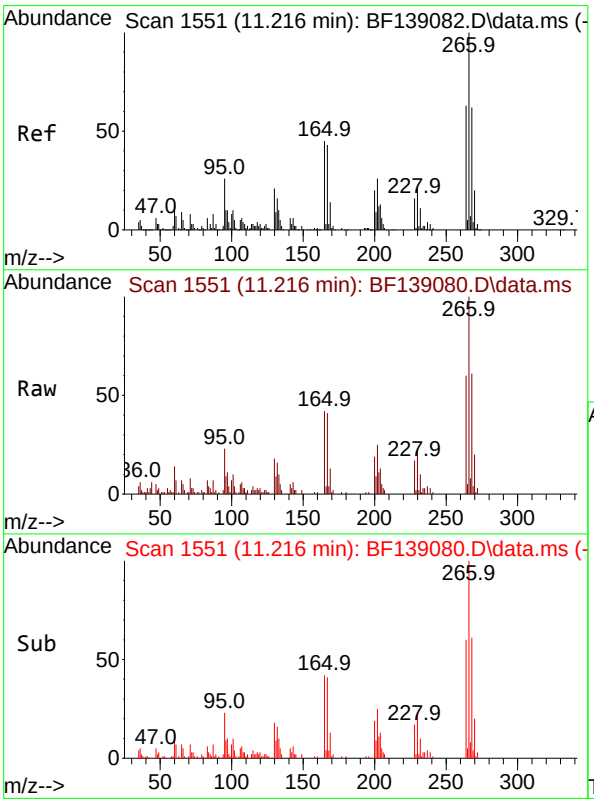
#69
Atrazine
Concen: 10.951 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 44507

Ion	Ratio	Lower	Upper
200	100		
173	24.6	5.2	45.2
215	47.3	27.9	67.9

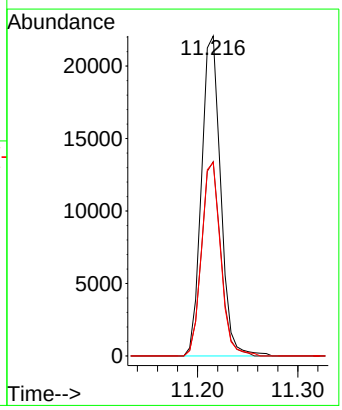


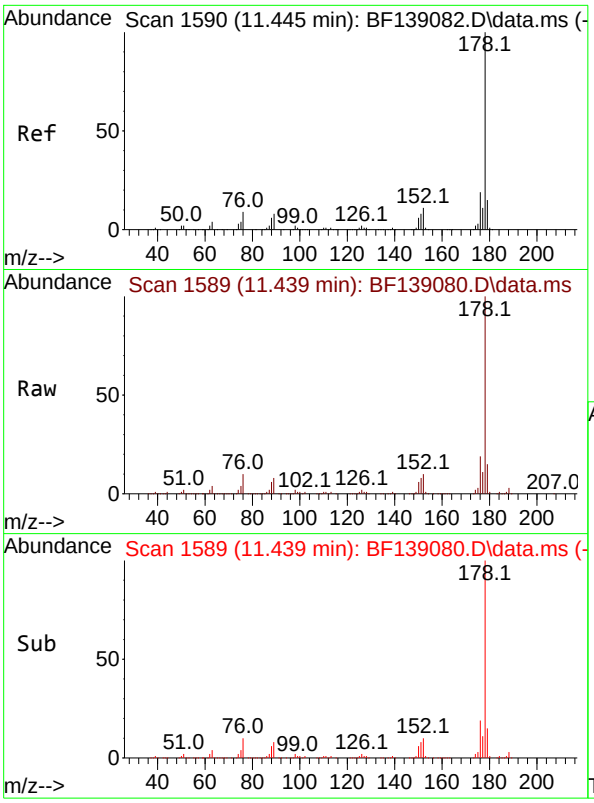


#70
Pentachlorophenol
Concen: 8.989 ng
RT: 11.216 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:266 Resp: 29356

Ion	Ratio	Lower	Upper
266	100		
268	60.7	49.5	74.3
264	60.5	50.0	75.0



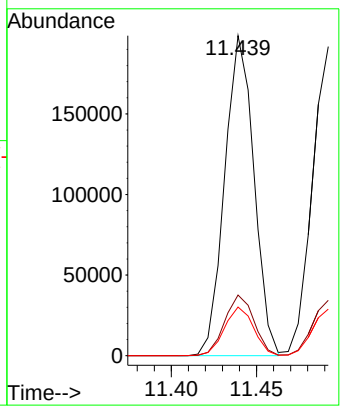


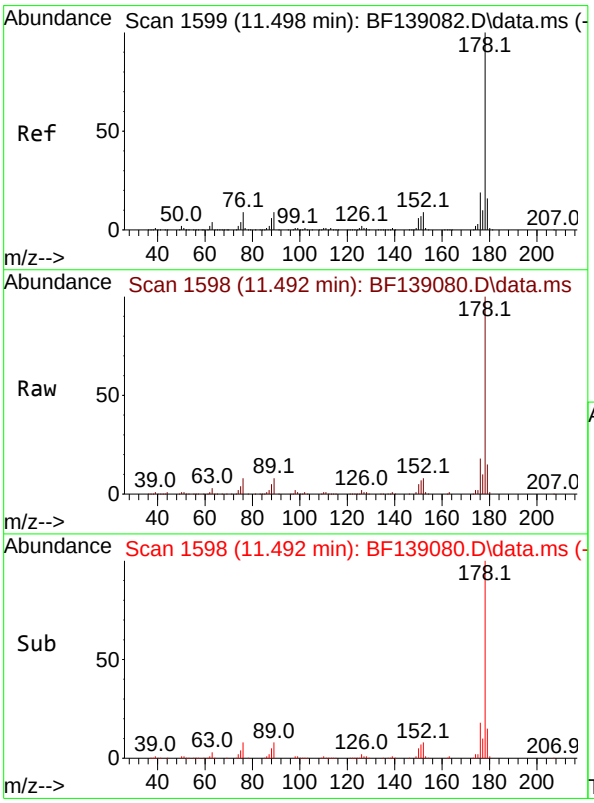
#71
Phenanthrene
Concen: 10.359 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 236801

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.2	12.3	18.5

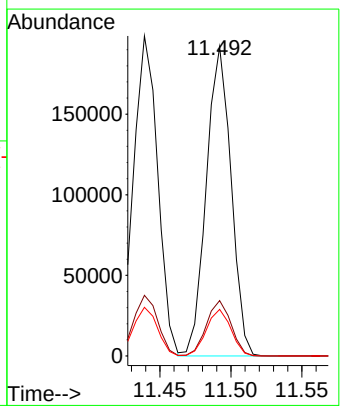


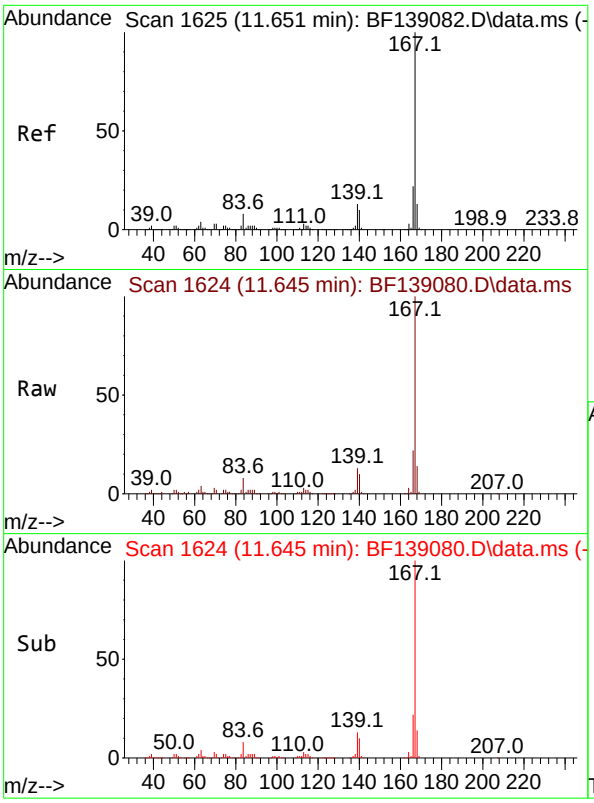


#72
Anthracene
Concen: 10.430 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:178 Resp: 233155

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	15.1	12.4	18.6



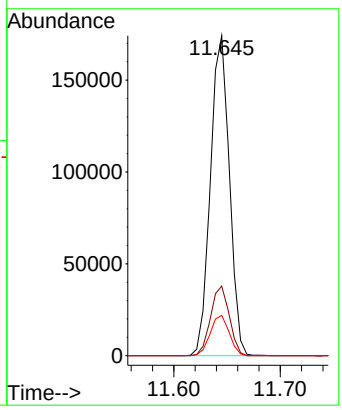


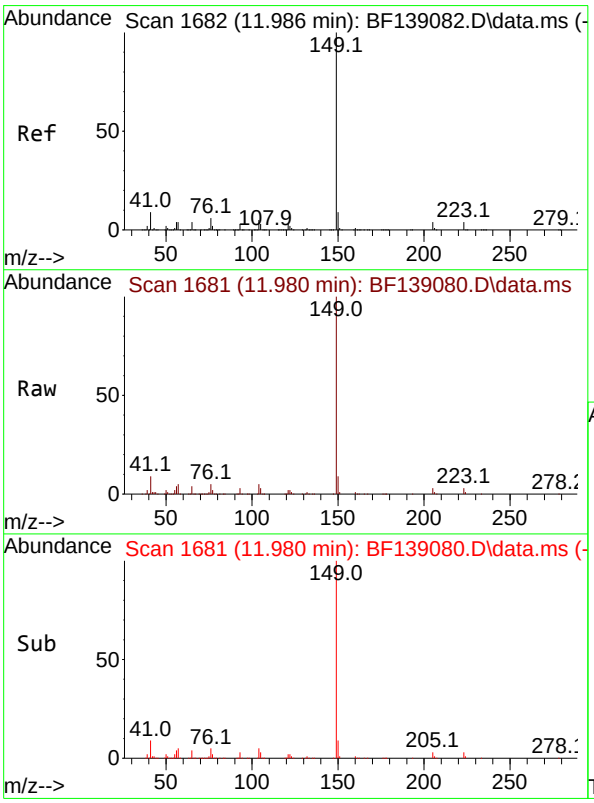
#73
Carbazole
Concen: 10.331 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 215667

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	12.6	10.5	15.7

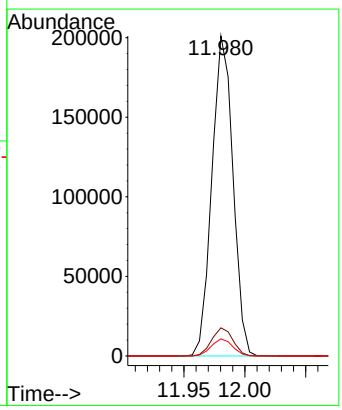


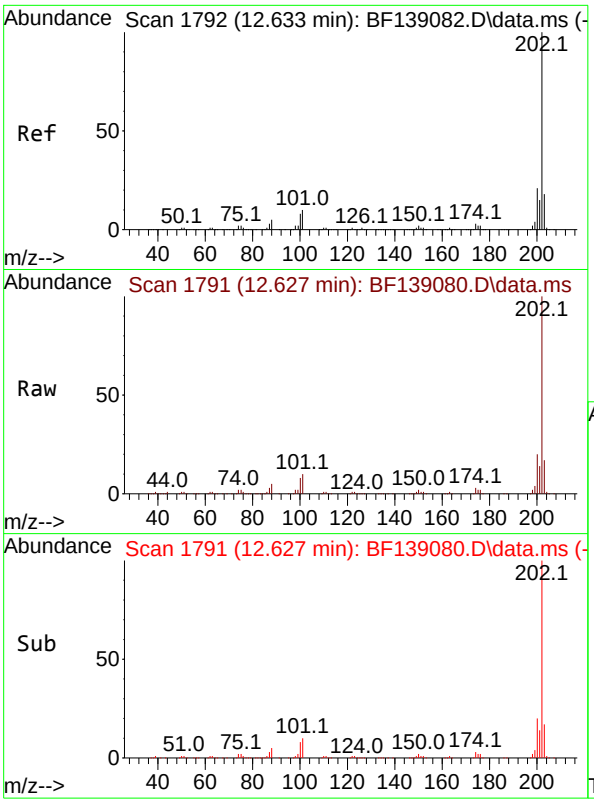


#74
Di-n-butylphthalate
Concen: 10.003 ng
RT: 11.980 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 242115

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	5.3	4.3	6.5



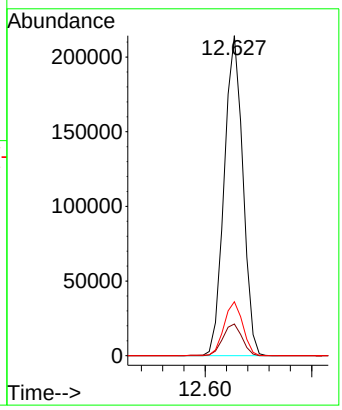


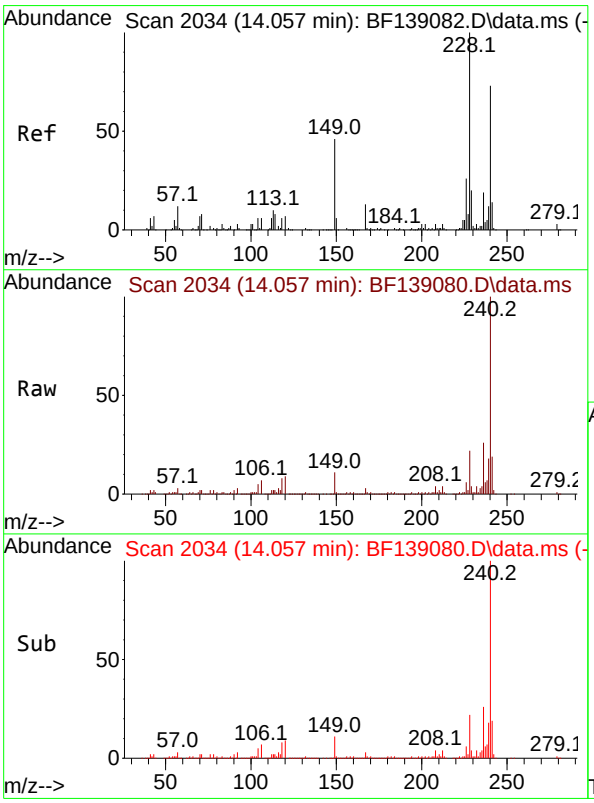
#75
Fluoranthene
Concen: 10.680 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 260569

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	16.9	0.0	37.6

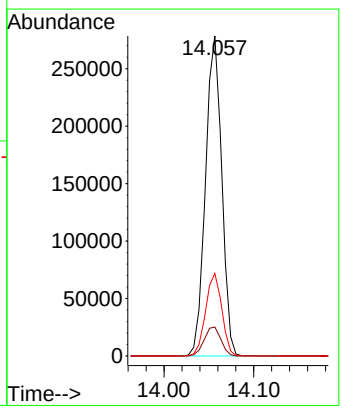


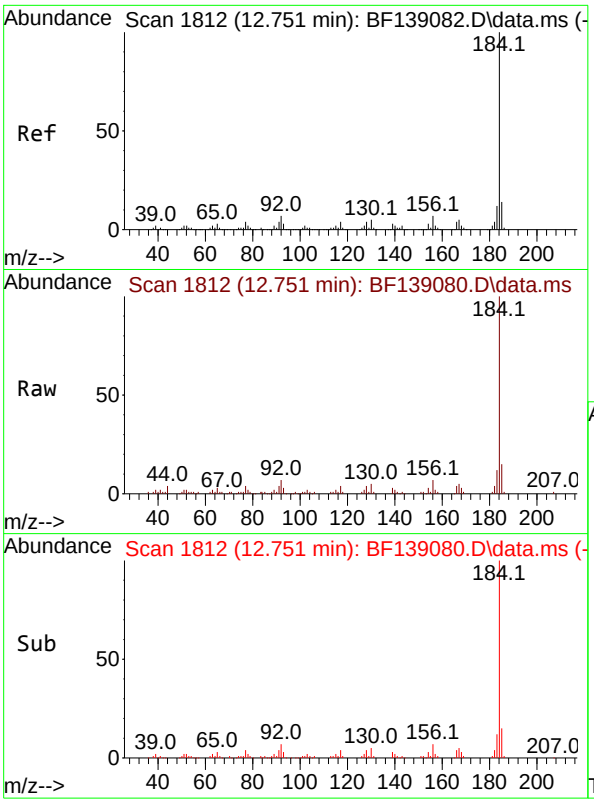


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:240 Resp: 349929

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.8	11.6
236	25.8	20.9	31.3



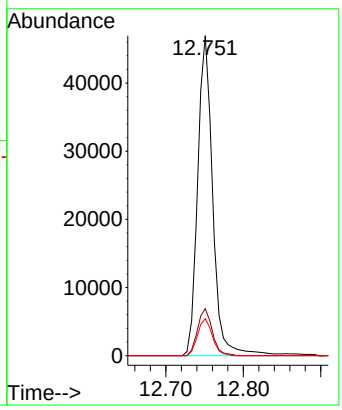


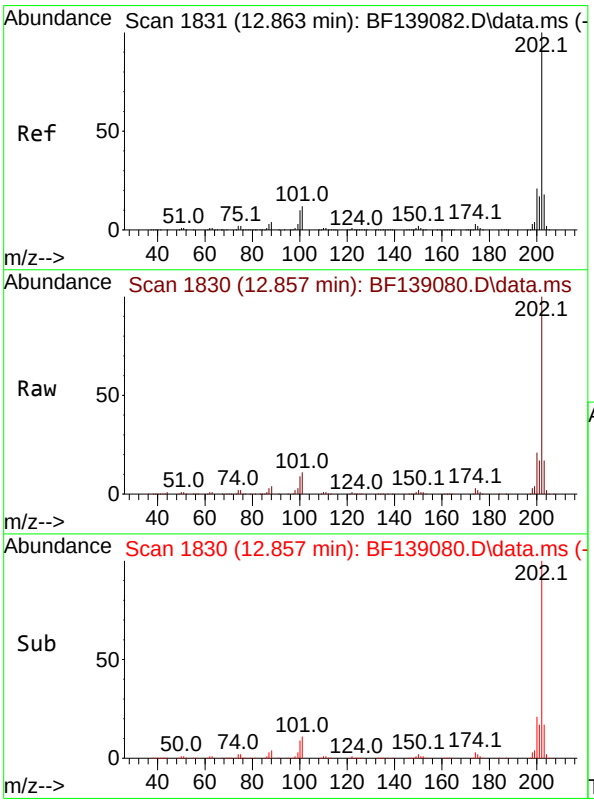
#77
Benzidine
Concen: 8.750 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 63248

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.6	9.8	14.6

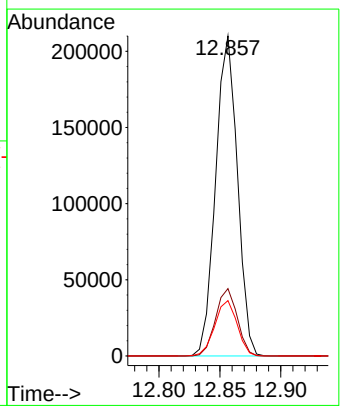


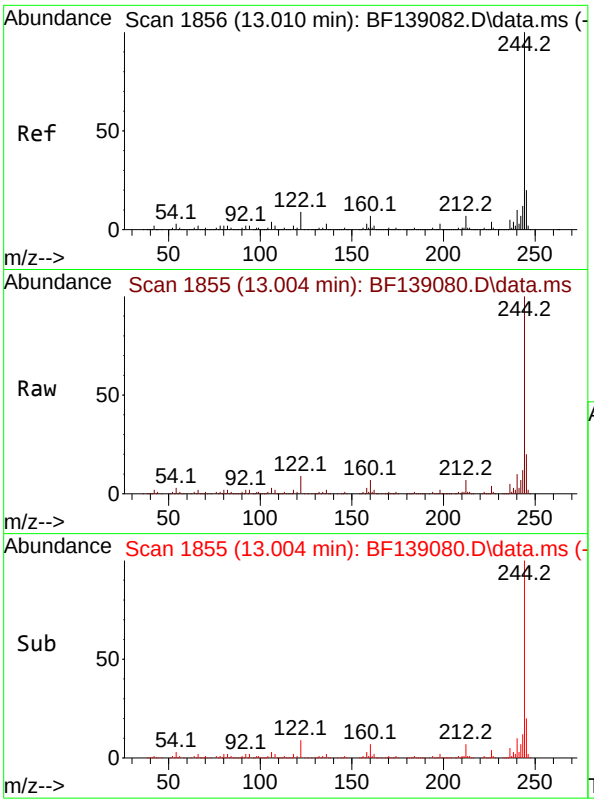


#78
Pyrene
Concen: 8.959 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:202 Resp: 261625

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.3	14.1	21.1



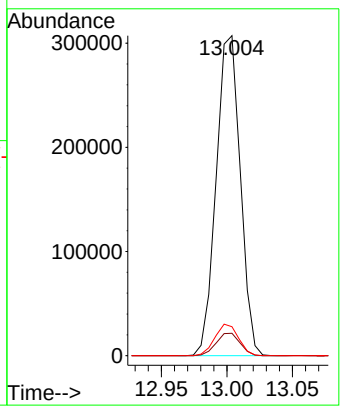


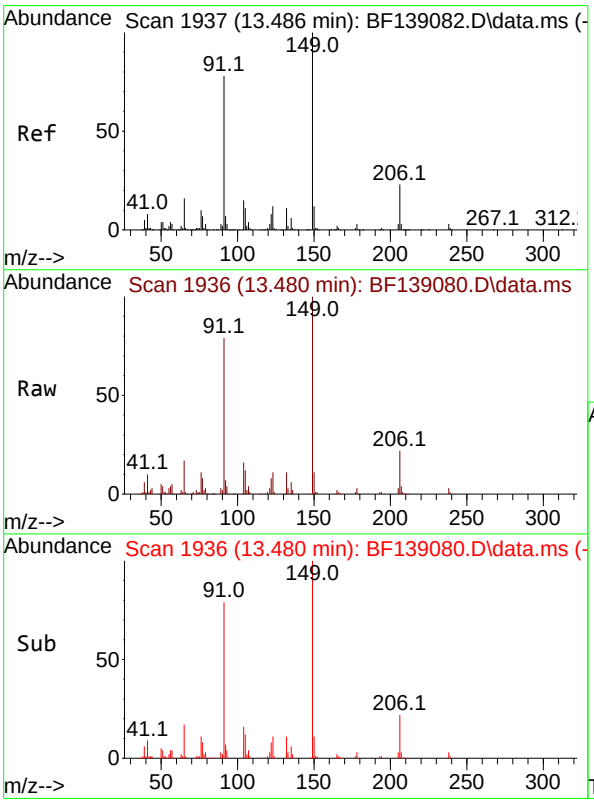
#79
Terphenyl-d14
Concen: 18.600 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 392262

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	9.1	7.6	11.4

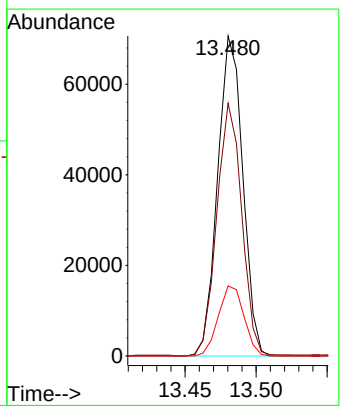


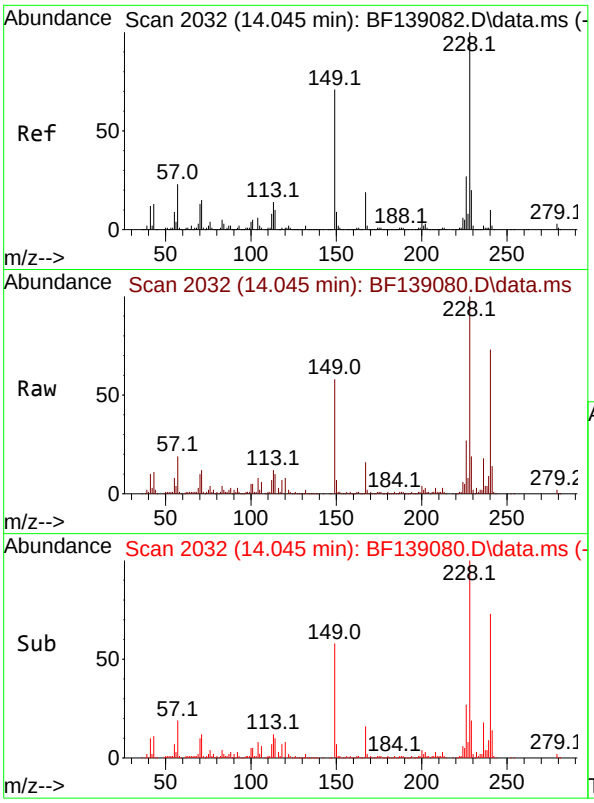


#80
Butylbenzylphthalate
Concen: 8.607 ng
RT: 13.480 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 86951

Ion	Ratio	Lower	Upper
149	100		
91	78.9	62.1	93.1
206	21.9	18.0	27.0



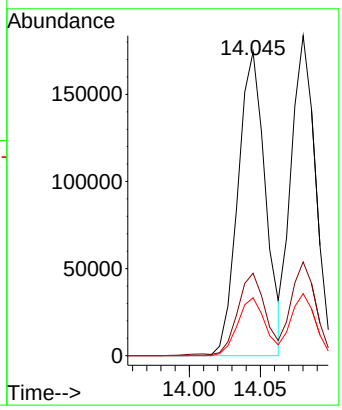


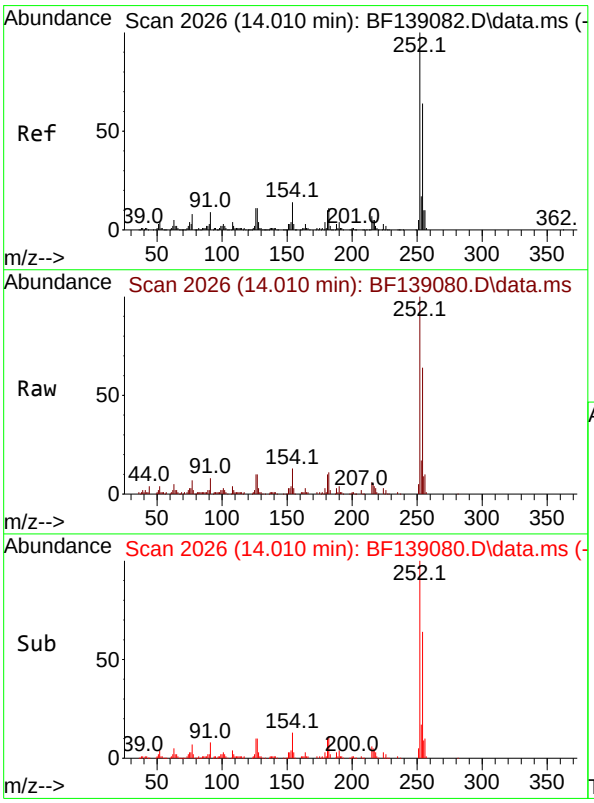
#81
Benzo(a)anthracene
Concen: 10.217 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 235019

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.1	16.1	24.1

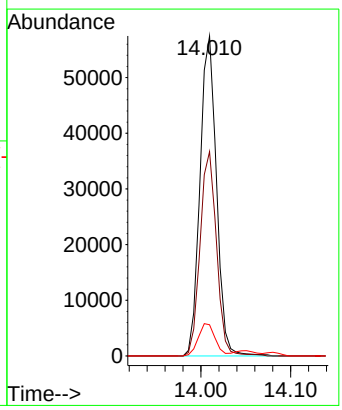


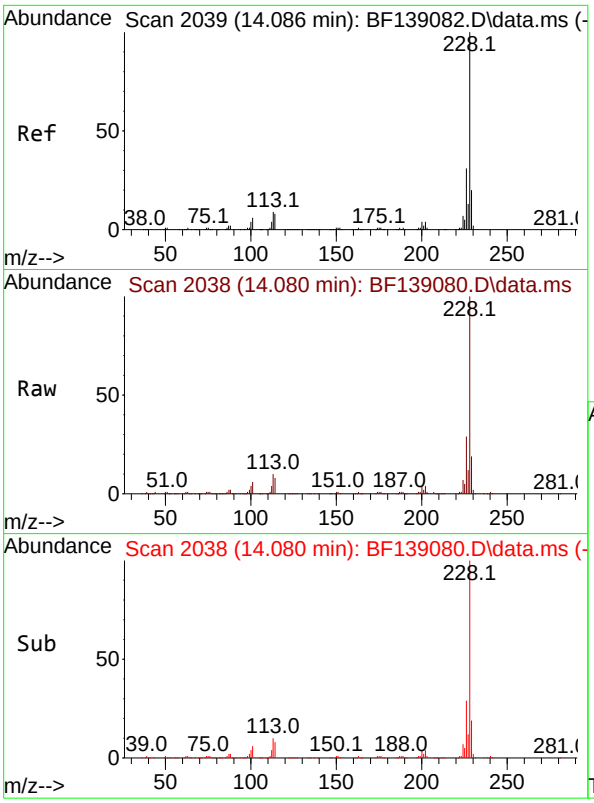


#82
3,3'-Dichlorobenzidine
Concen: 11.396 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:252 Resp: 73276

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.4	77.0
126	9.8	8.6	12.8



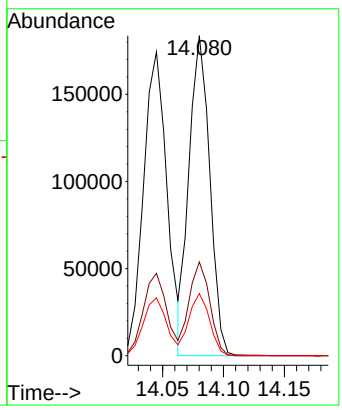


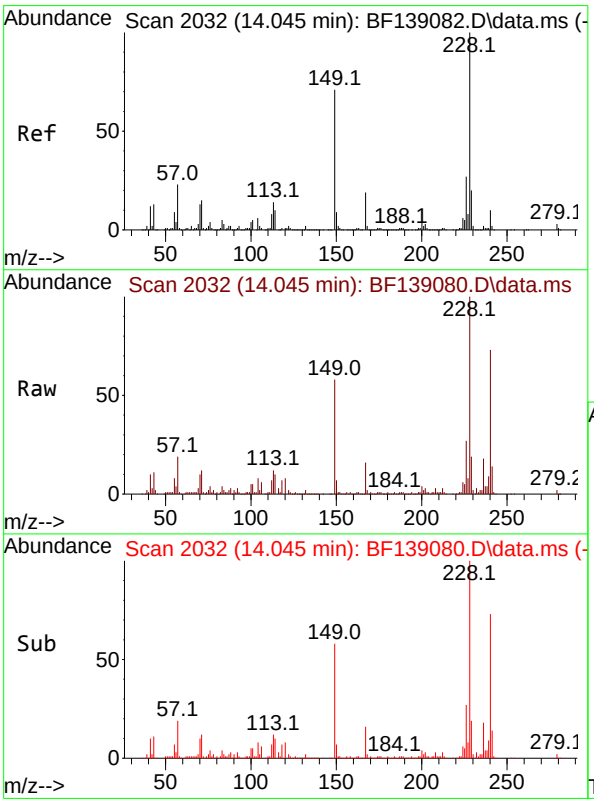
#83
Chrysene
Concen: 10.444 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 217764

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.3	36.5
229	19.4	15.8	23.8

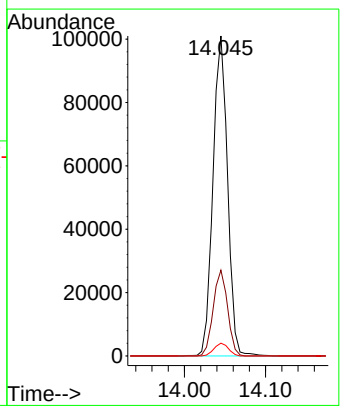


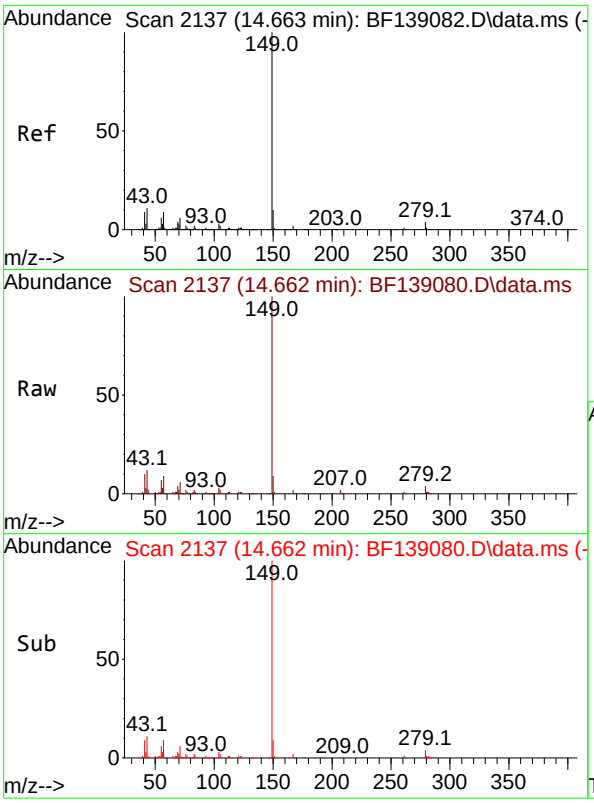


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.391 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:149 Resp: 125777

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.6
279	4.0	3.5	5.3



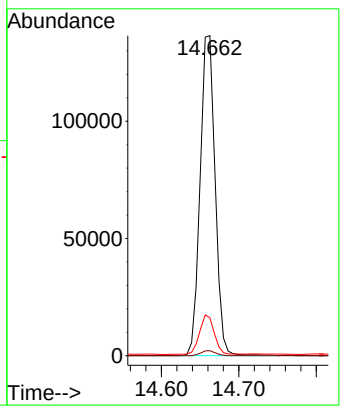


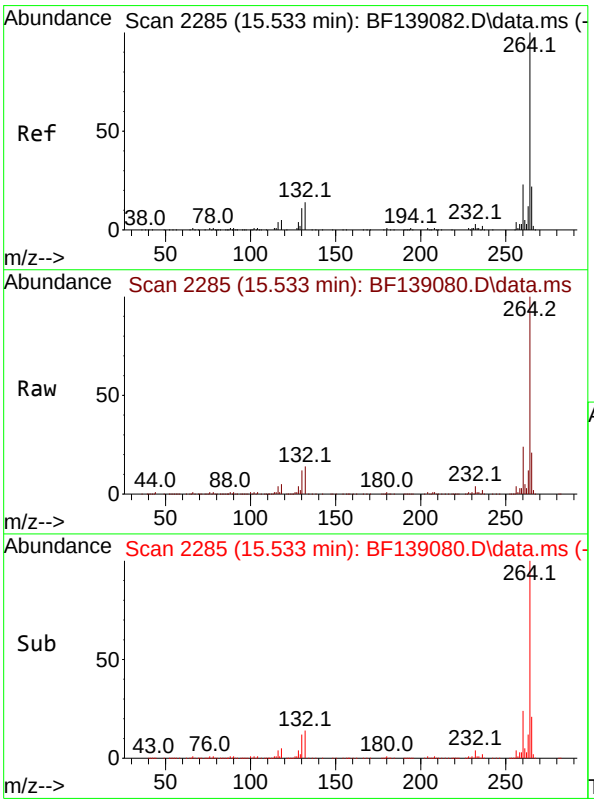
#85
Di-n-octyl phthalate
Concen: 9.774 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 183724

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.6	14.4

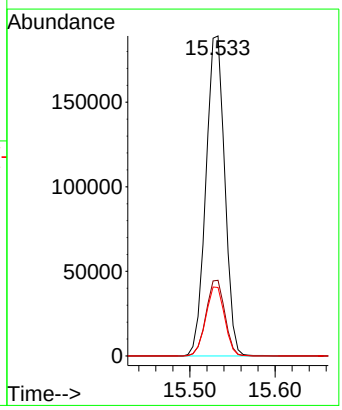


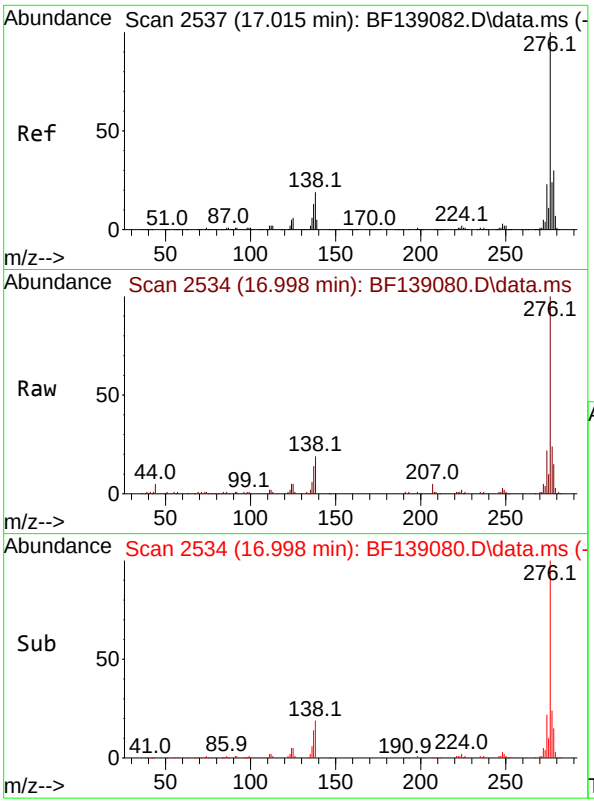


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:264 Resp: 289853

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	17.4	26.2



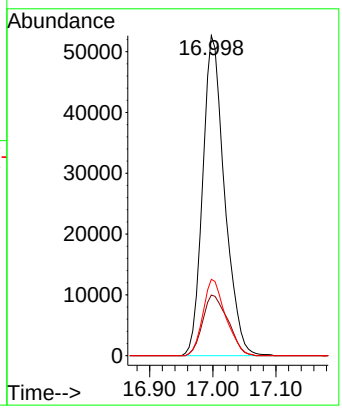


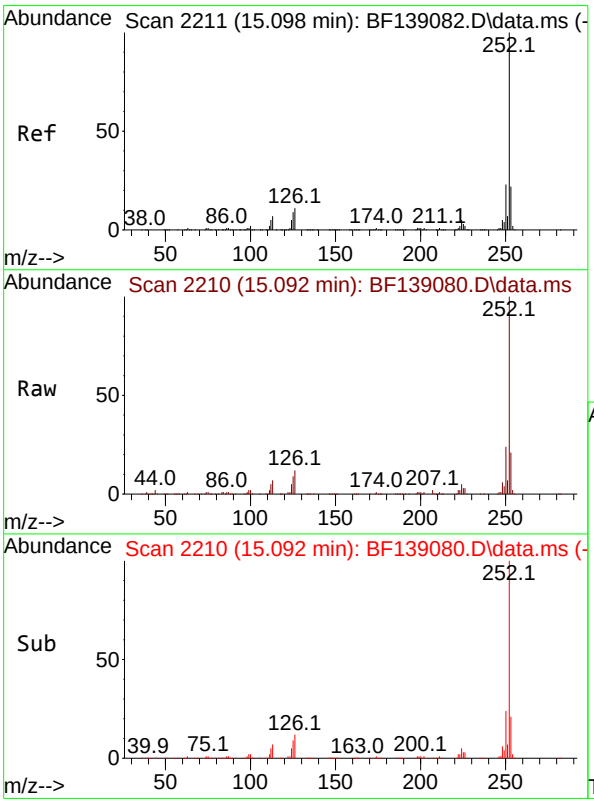
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.455 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 126465

Ion	Ratio	Lower	Upper
276	100		
138	21.9	17.3	25.9
277	24.8	20.2	30.4

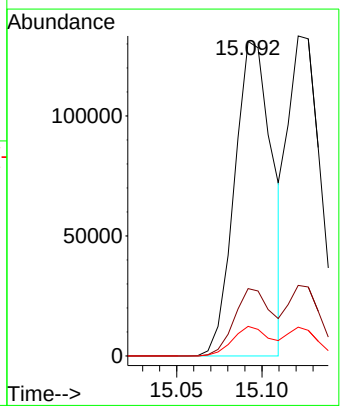


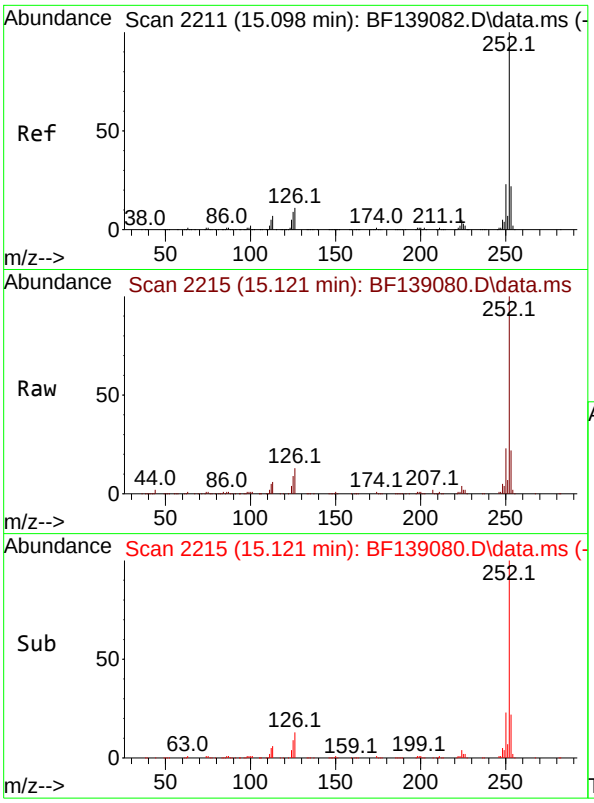


#88
Benzo(b)fluoranthene
Concen: 10.671 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:252 Resp: 201640

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	9.4	7.0	10.6



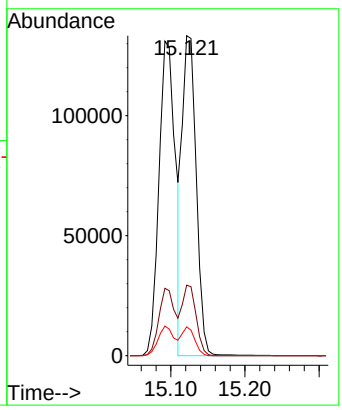


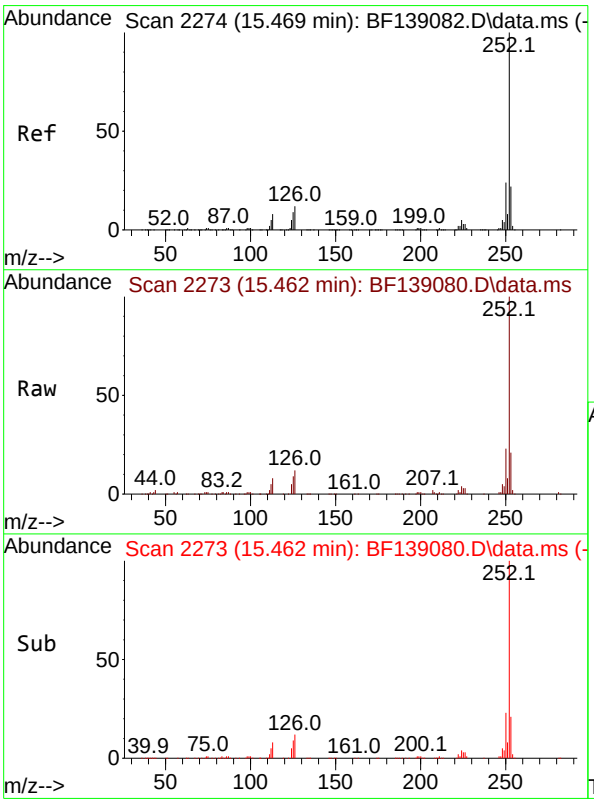
#89
Benzo(k)fluoranthene
Concen: 11.231 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 176757

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	9.0	7.0	10.6

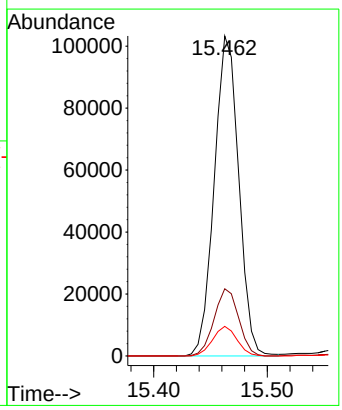


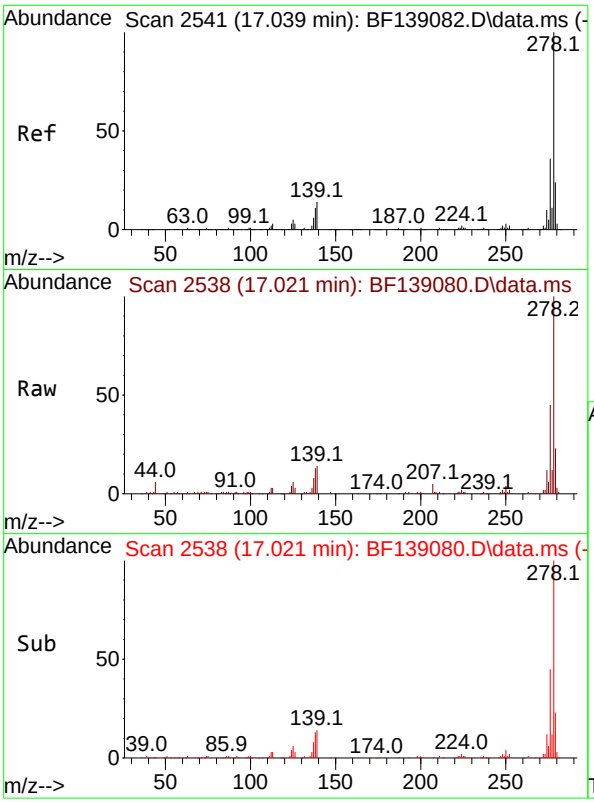


#90
Benzo(a)pyrene
Concen: 10.362 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:252 Resp: 154721

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	9.3	7.4	11.2



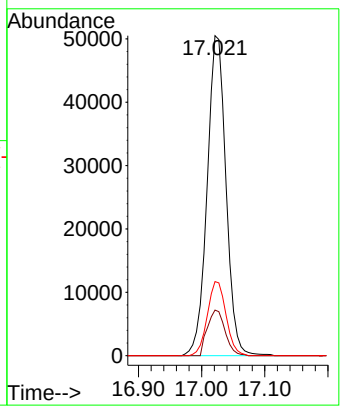


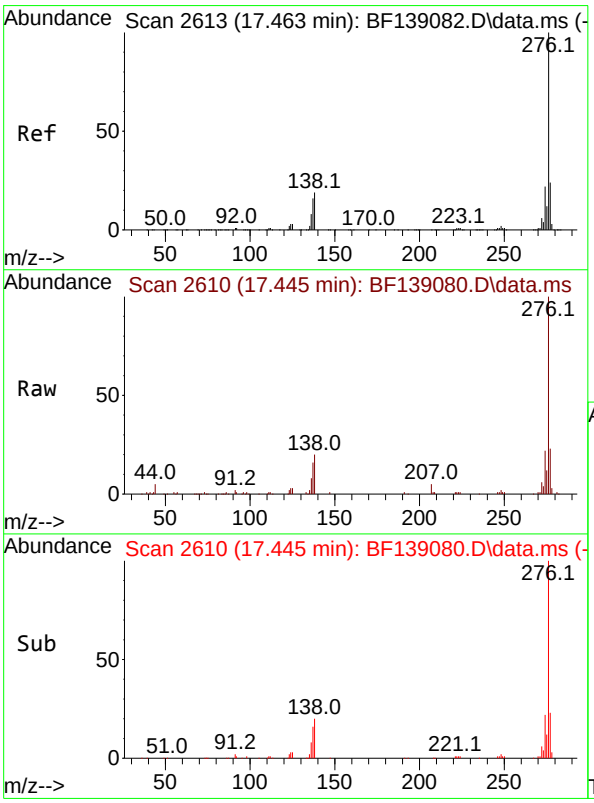
#91
Dibenzo(a,h)anthracene
Concen: 7.531 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 104872

Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.8	16.2
279	23.2	19.2	28.8

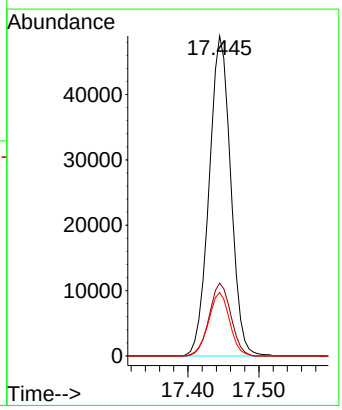




#92
Benzo(g,h,i)perylene
Concen: 8.909 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF139080.D
Acq: 20 Aug 2024 18:10

Tgt Ion:276 Resp: 103295

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.8	28.2
138	19.9	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139081.D
Acq On : 20 Aug 2024 18:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 21 01:13:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	114177	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	422575	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	244023	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	428750	20.000	ng	0.00
76) Chrysene-d12	14.057	240	319277	20.000	ng	0.00
86) Perylene-d12	15.527	264	230136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	304769	41.067	ng	0.00
7) Phenol-d6	6.510	99	396605	41.360	ng	-0.01
23) Nitrobenzene-d5	7.457	82	284330	39.207	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	92973	42.086	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	647309	42.087	ng	0.00
79) Terphenyl-d14	13.004	244	730296	37.954	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	66120	20.773	ng	98
3) Pyridine	3.440	79	176276	21.793	ng	99
4) n-Nitrosodimethylamine	3.387	42	93802	19.197	ng	99
6) Aniline	6.557	93	185690	21.451	ng	98
8) 2-Chlorophenol	6.675	128	149421	20.933	ng	99
9) Benzaldehyde	6.446	77	132737	23.602	ng	100
10) Phenol	6.528	94	210003	21.048	ng	96
11) bis(2-Chloroethyl)ether	6.628	93	156895	19.628	ng	99
12) 1,3-Dichlorobenzene	6.834	146	179960	20.969	ng	100
13) 1,4-Dichlorobenzene	6.916	146	179504	20.919	ng	99
14) 1,2-Dichlorobenzene	7.069	146	169278	21.585	ng	99
15) Benzyl Alcohol	7.034	79	155989	20.582	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	233253	20.637	ng	99
17) 2-Methylphenol	7.140	107	127205	20.831	ng	99
18) Hexachloroethane	7.410	117	60756	20.192	ng	95
19) n-Nitroso-di-n-propyla...	7.304	70	124292	19.738	ng	99
20) 3+4-Methylphenols	7.293	107	165120	20.870	ng	99
22) Acetophenone	7.304	105	227379	21.074	ng	99
24) Nitrobenzene	7.475	77	161405	20.023	ng	99
25) Isophorone	7.710	82	317928	20.626	ng	100
26) 2-Nitrophenol	7.793	139	42329	18.897	ng	96
27) 2,4-Dimethylphenol	7.822	122	98954	20.245	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	186031	20.655	ng	99
29) 2,4-Dichlorophenol	8.028	162	126408	20.759	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	148682	20.852	ng	100
31) Naphthalene	8.198	128	452369	21.125	ng	100
32) Benzoic acid	7.910	122	56067	19.885	ng	94
33) 4-Chloroaniline	8.245	127	153489	20.929	ng	98
34) Hexachlorobutadiene	8.316	225	97779	20.993	ng	99
35) Caprolactam	8.598	113	38680	20.038	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	139226	20.649	ng	99
37) 2-Methylnaphthalene	8.892	142	286679	20.872	ng	100
38) 1-Methylnaphthalene	8.987	142	281380	21.226	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	145276	20.223	ng	100
41) Hexachlorocyclopentadiene	9.045	237	53093	20.678	ng	98
43) 2,4,6-Trichlorophenol	9.163	196	92295	20.472	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139081.D
Acq On : 20 Aug 2024 18:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 21 01:13:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

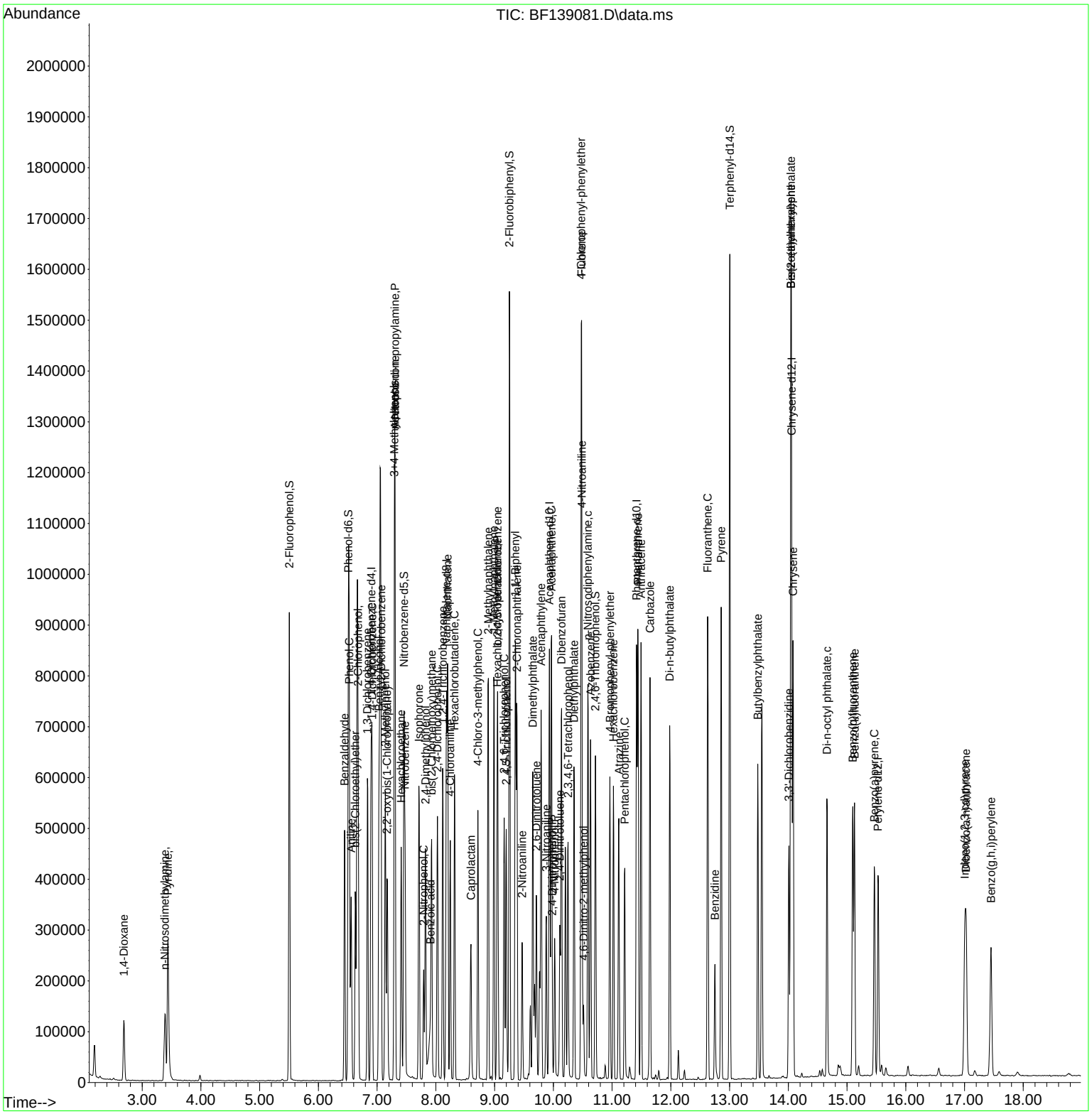
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	93701	20.248	ng		99
46) 1,1'-Biphenyl	9.351	154	360920	21.591	ng		99
47) 2-Chloronaphthalene	9.381	162	285784	21.041	ng		98
48) 2-Nitroaniline	9.469	65	57242	18.629	ng		98
49) Acenaphthylene	9.792	152	412294	21.190	ng		100
50) Dimethylphthalate	9.651	163	315889	20.968	ng		100
51) 2,6-Dinitrotoluene	9.710	165	49197	19.266	ng		98
52) Acenaphthene	9.969	154	261714	20.363	ng		99
53) 3-Nitroaniline	9.881	138	51606	19.585	ng	#	98
54) 2,4-Dinitrophenol	9.981	184	12058	19.453	ng	#	1
55) Dibenzofuran	10.139	168	396151	21.221	ng		98
56) 4-Nitrophenol	10.022	139	41271	18.124	ng		97
57) 2,4-Dinitrotoluene	10.110	165	55907	18.598	ng		98
58) Fluorene	10.481	166	310711	20.827	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	79240	21.326	ng		99
60) Diethylphthalate	10.351	149	309251	20.718	ng		99
61) 4-Chlorophenyl-phenyle...	10.475	204	155161	20.824	ng		98
62) 4-Nitroaniline	10.486	138	52096	19.256	ng		96
63) Azobenzene	10.634	77	340418	20.522	ng		100
65) 4,6-Dinitro-2-methylph...	10.516	198	19851	19.345	ng		97
66) n-Nitrosodiphenylamine	10.586	169	262973	20.729	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	96912	21.331	ng		98
68) Hexachlorobenzene	11.022	284	98858	20.282	ng		98
69) Atrazine	11.116	200	84369	21.775	ng		99
70) Pentachlorophenol	11.216	266	62951	20.219	ng		98
71) Phenanthrene	11.439	178	456936	20.968	ng		99
72) Anthracene	11.492	178	443551	20.812	ng		100
73) Carbazole	11.645	167	418398	21.024	ng		100
74) Di-n-butylphthalate	11.980	149	470595	20.393	ng		99
75) Fluoranthene	12.628	202	493896	21.234	ng		99
77) Benzidine	12.751	184	117462	17.811	ng		99
78) Pyrene	12.857	202	512819	19.247	ng		99
80) Butylbenzylphthalate	13.480	149	179950	19.522	ng		99
81) Benzo(a)anthracene	14.045	228	429888	20.483	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	130003	22.160	ng		100
83) Chrysene	14.080	228	411307	21.621	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	241559	19.767	ng		100
85) Di-n-octyl phthalate	14.657	149	349298	20.366	ng		100
87) Indeno(1,2,3-cd)pyrene	17.004	276	258712	19.208	ng		99
88) Benzo(b)fluoranthene	15.098	252	319834	21.317	ng		99
89) Benzo(k)fluoranthene	15.127	252	296462	23.725	ng		99
90) Benzo(a)pyrene	15.463	252	250079	21.094	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	212214	19.194	ng		99
92) Benzo(g,h,i)perylene	17.451	276	222690	19.397	ng		99

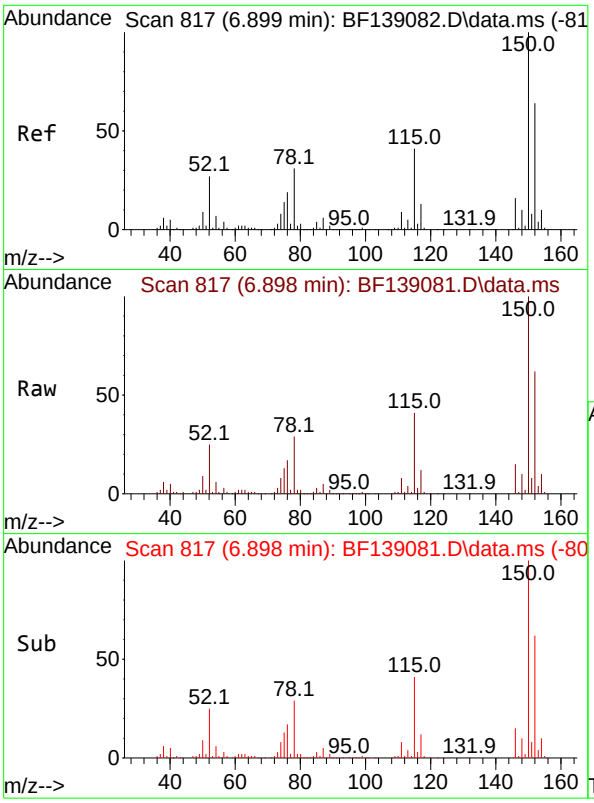
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139081.D
Acq On : 20 Aug 2024 18:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 21 01:13:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



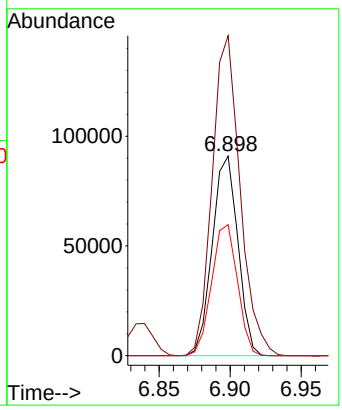


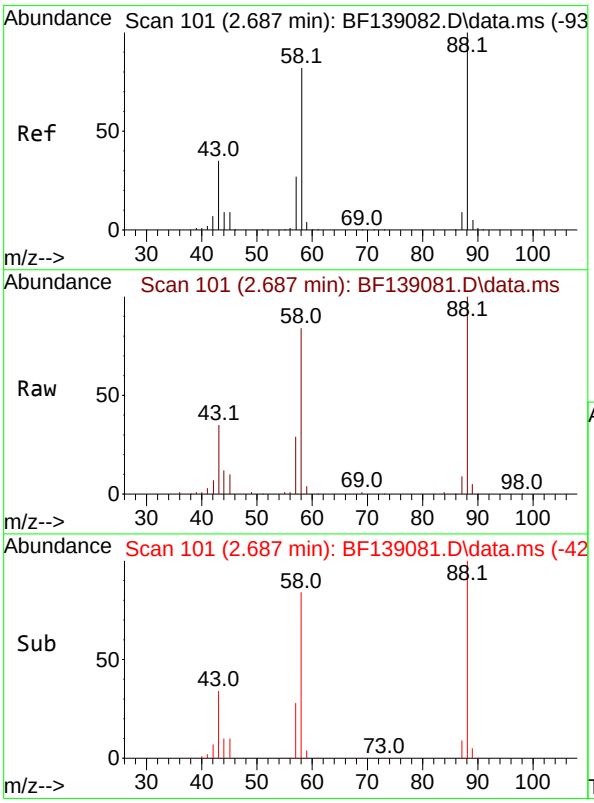
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 114177

Ion	Ratio	Lower	Upper
152	100		
150	160.3	125.1	187.7
115	65.7	51.8	77.6

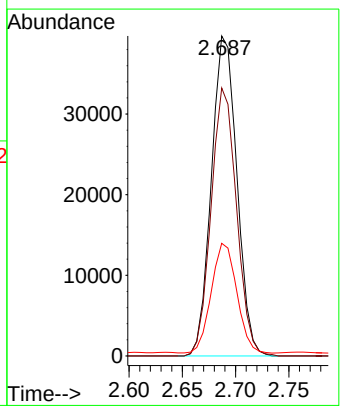


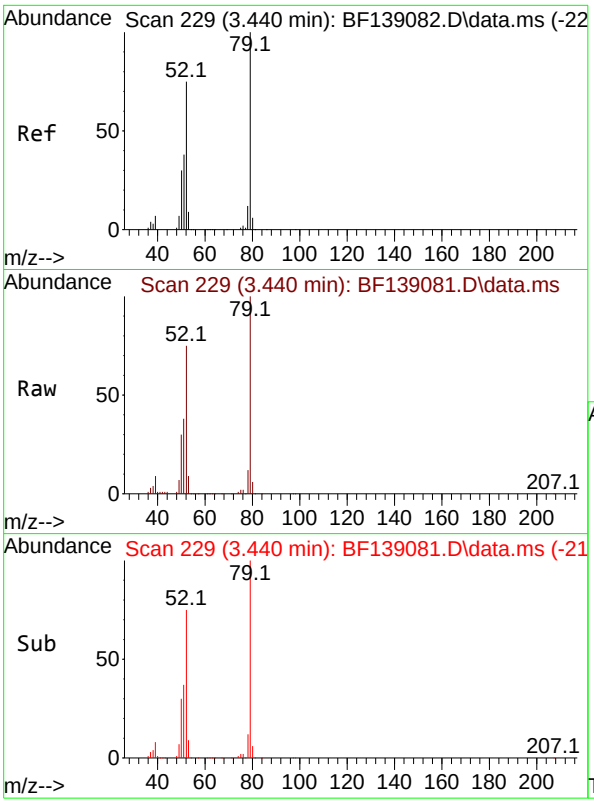


#2
1,4-Dioxane
Concen: 20.773 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 88 Resp: 66120

Ion	Ratio	Lower	Upper
88	100		
58	83.6	65.4	98.0
43	34.2	27.9	41.9



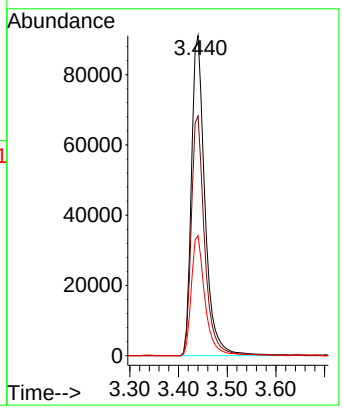


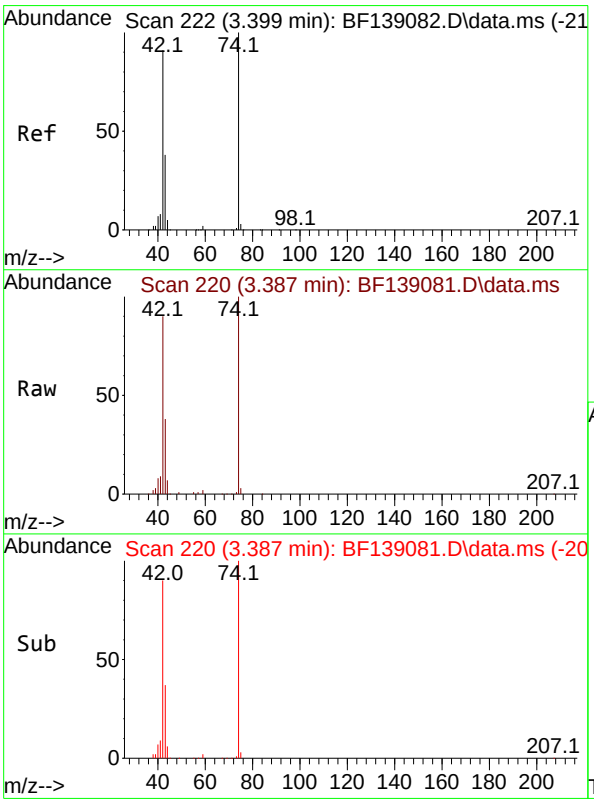
#3
Pyridine
Concen: 21.793 ng
RT: 3.440 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 176276

Ion	Ratio	Lower	Upper
79	100		
52	74.9	59.7	89.5
51	37.5	30.6	45.8

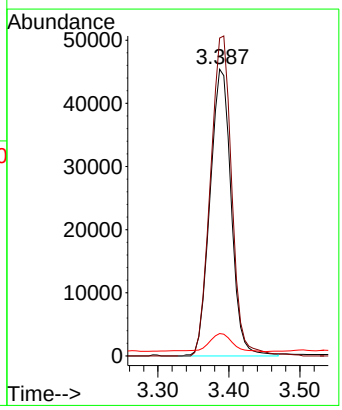


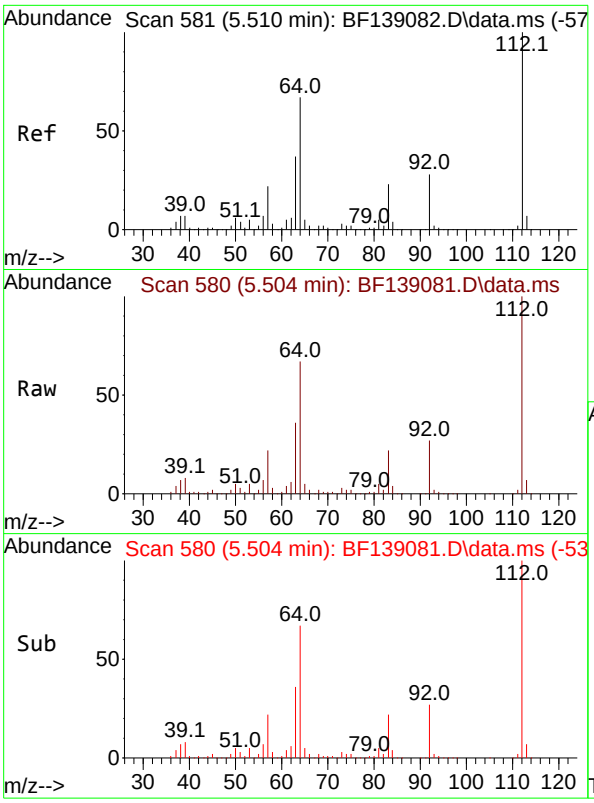


#4
n-Nitrosodimethylamine
Concen: 19.197 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 42 Resp: 93802

Ion	Ratio	Lower	Upper
42	100		
74	110.9	88.2	132.2
44	7.8	5.4	8.0



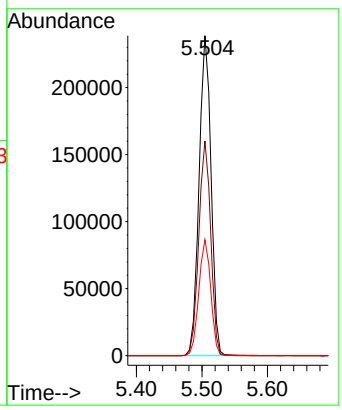


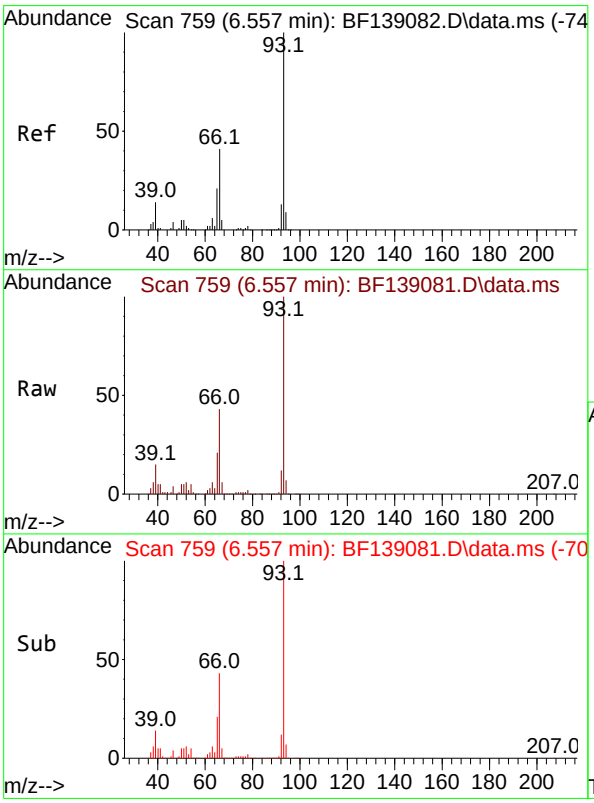
#5
2-Fluorophenol
Concen: 41.067 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 304769

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.8	80.6
63	36.2	29.4	44.2

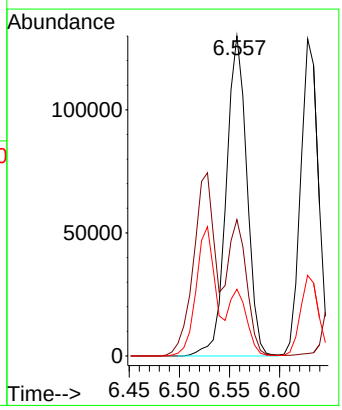


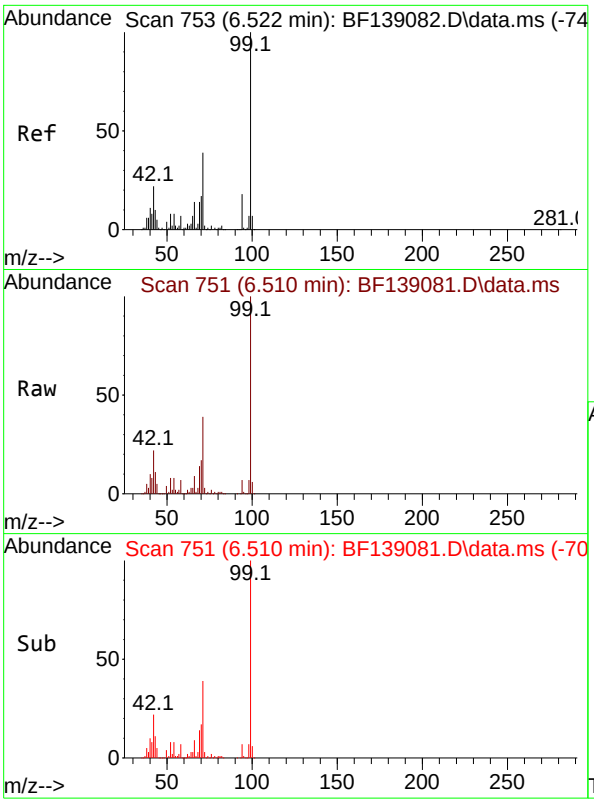


#6
Aniline
Concen: 21.451 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 93 Resp: 185690

Ion	Ratio	Lower	Upper
93	100		
66	42.6	35.1	52.7
65	20.9	17.4	26.2



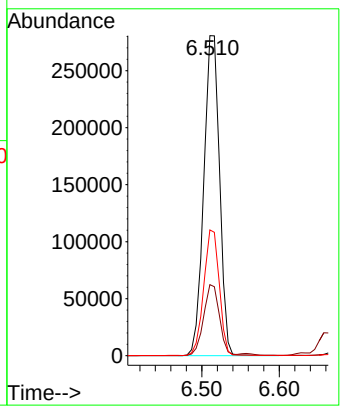


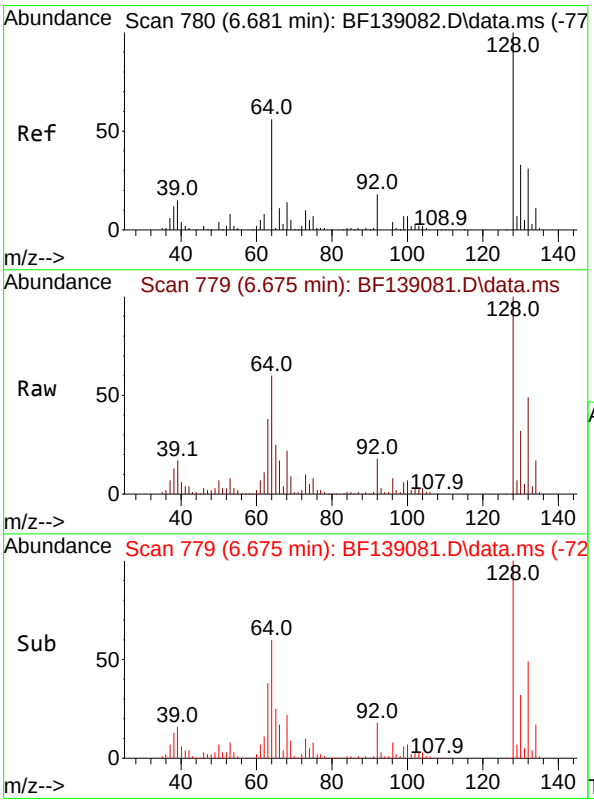
#7
Phenol-d6
Concen: 41.360 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 396605

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	39.3	31.2	46.8

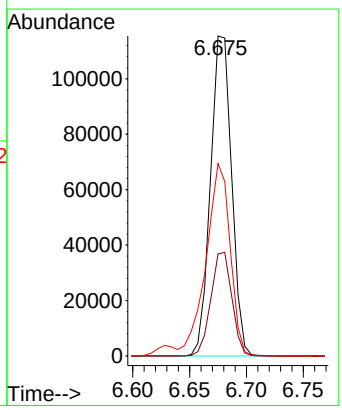


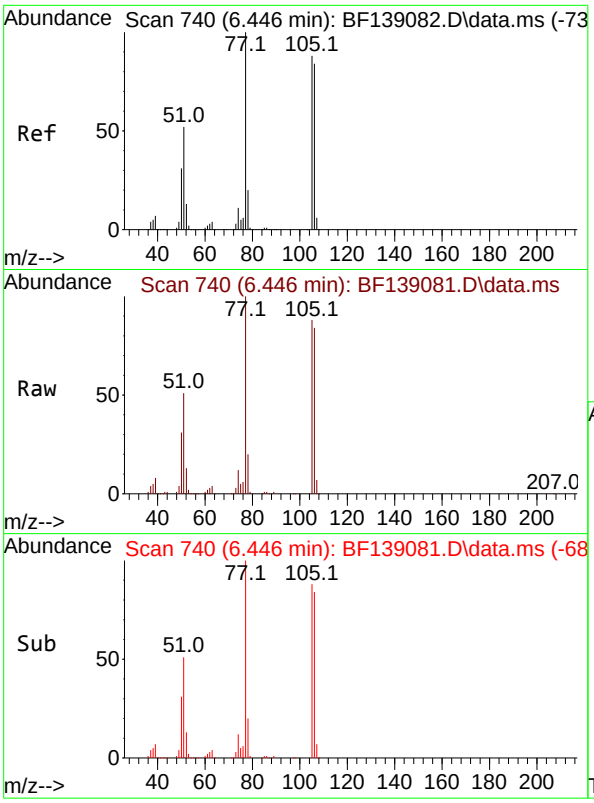


#8
2-Chlorophenol
Concen: 20.933 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:128 Resp: 149421

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	60.1	39.1	79.1



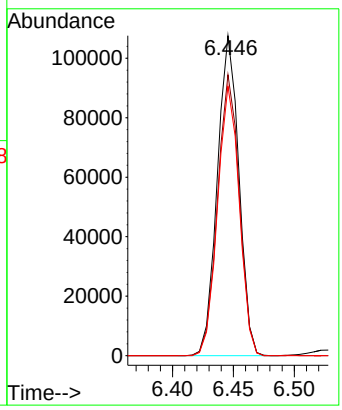


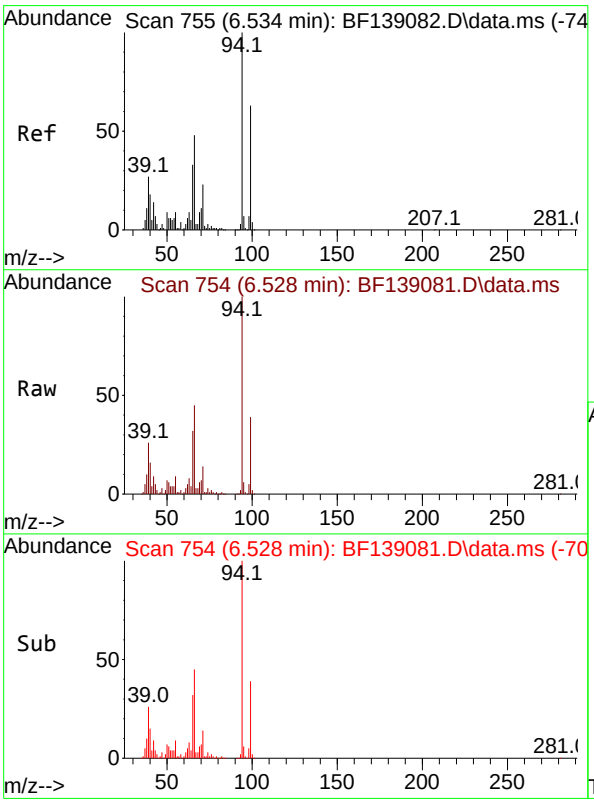
#9
Benzaldehyde
Concen: 23.602 ng
RT: 6.446 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 132737

Ion	Ratio	Lower	Upper
77	100		
105	87.8	68.2	108.2
106	84.2	63.8	103.8

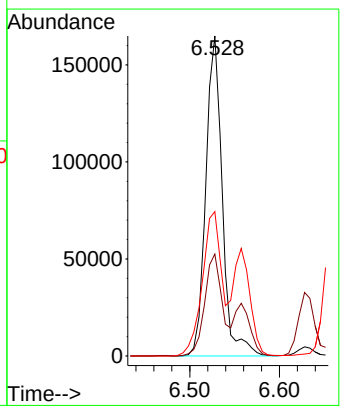


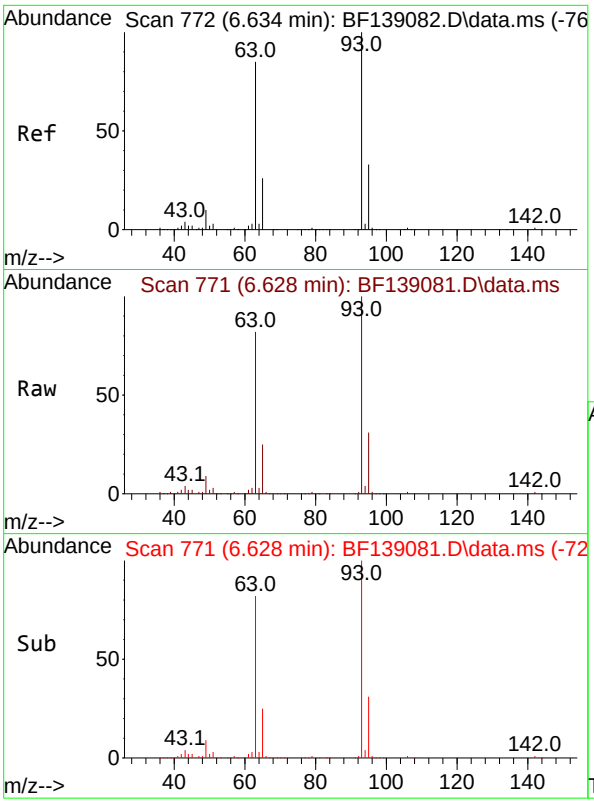


#10
Phenol
Concen: 21.048 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 94 Resp: 210003

Ion	Ratio	Lower	Upper
94	100		
65	31.9	13.5	53.5
66	45.1	28.5	68.5



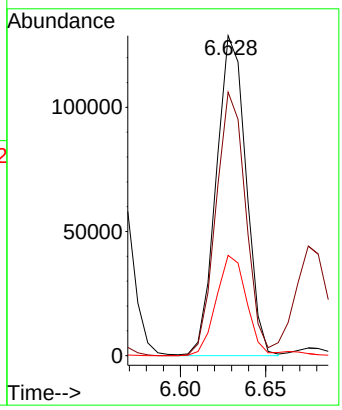


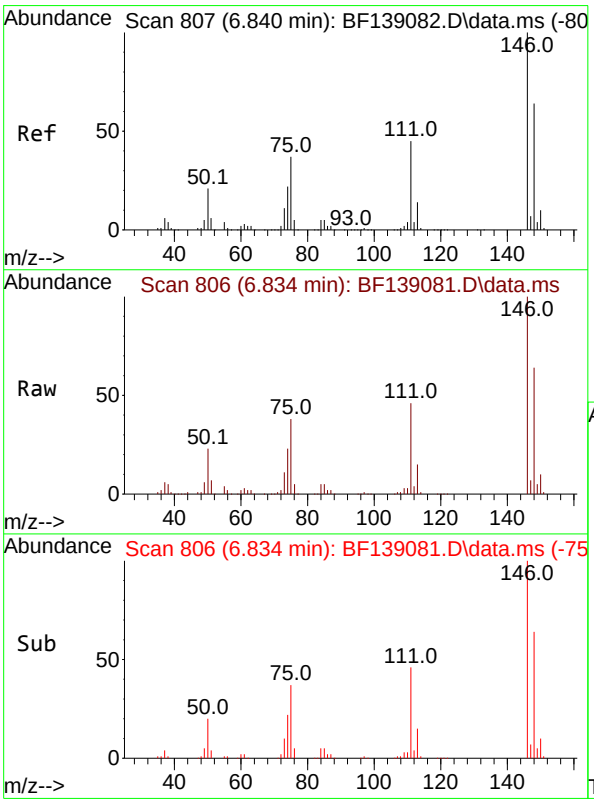
#11
bis(2-Chloroethyl)ether
Concen: 19.628 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 156895

Ion	Ratio	Lower	Upper
93	100		
63	82.3	62.7	102.7
95	31.3	11.9	51.9

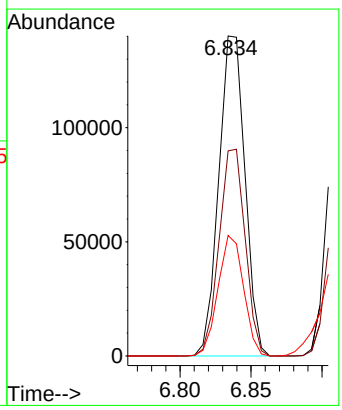


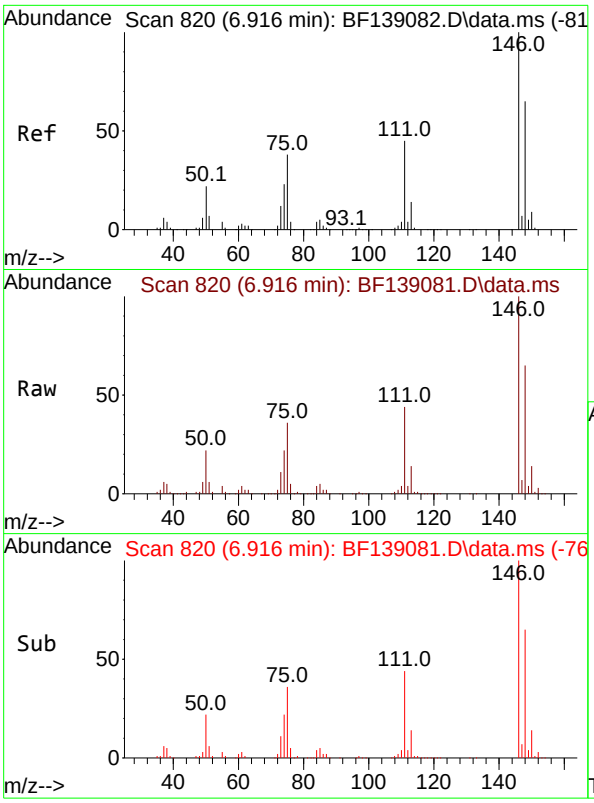


#12
1,3-Dichlorobenzene
Concen: 20.969 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:146 Resp: 179960

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
75	37.7	29.9	44.9



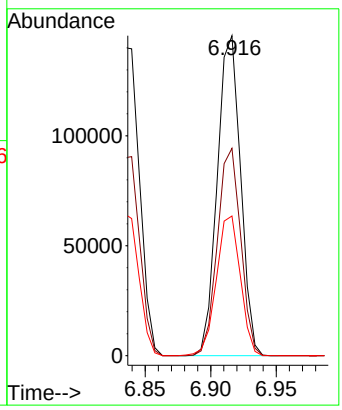


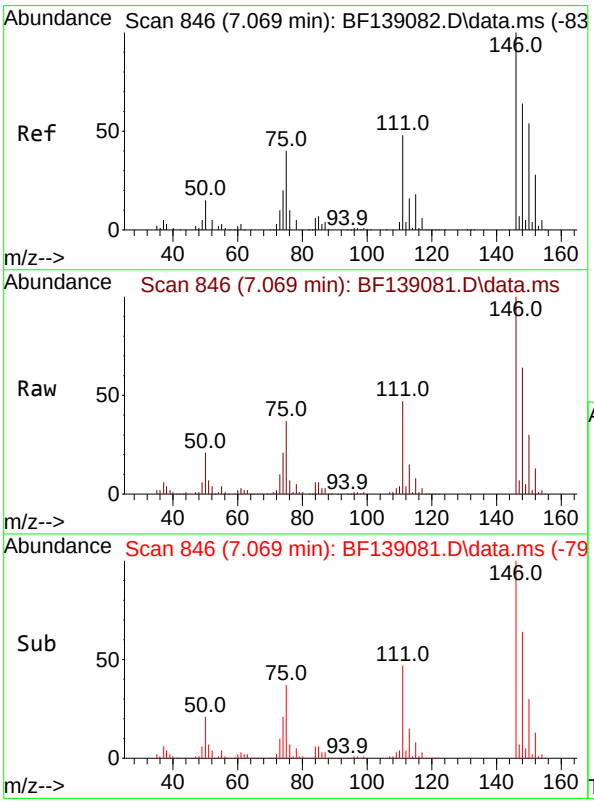
#13
1,4-Dichlorobenzene
Concen: 20.919 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 179504

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
111	43.6	35.8	53.6

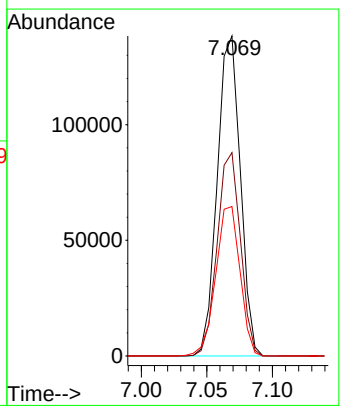


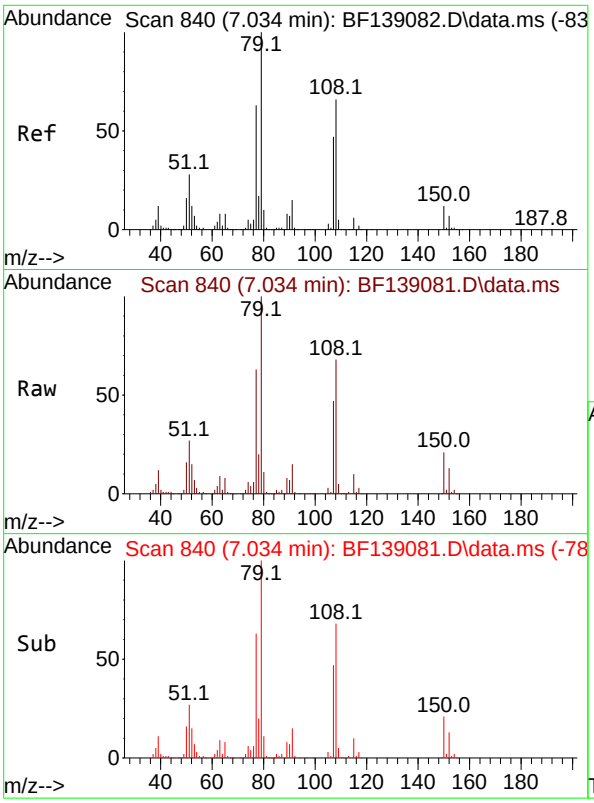


#14
1,2-Dichlorobenzene
Concen: 21.585 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:146 Resp: 169278

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.2
111	46.7	38.1	57.1



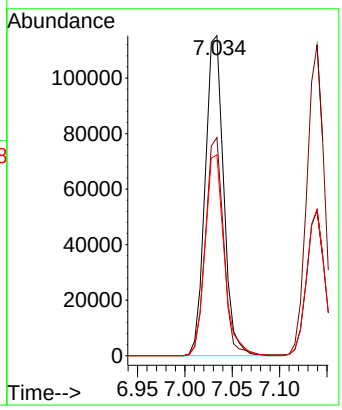


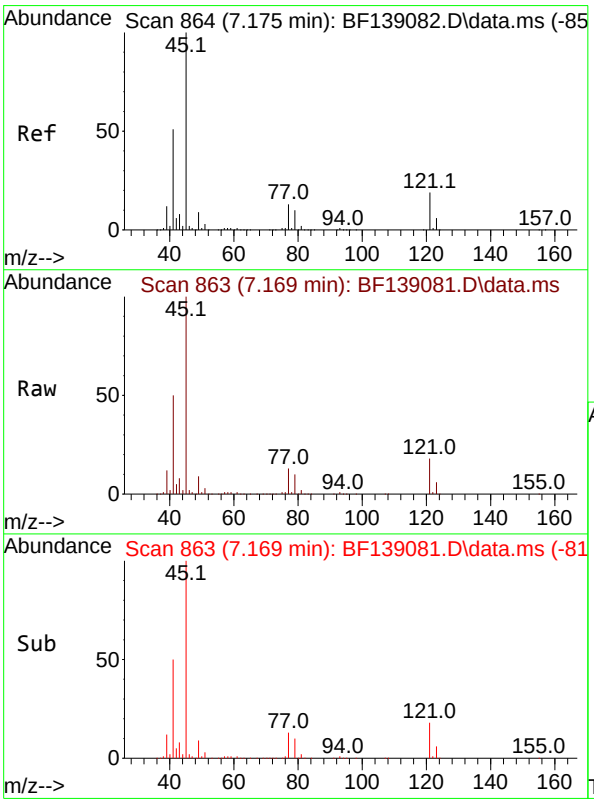
#15
Benzyl Alcohol
Concen: 20.582 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 155989

Ion	Ratio	Lower	Upper
79	100		
108	68.2	52.8	79.2
77	62.7	50.6	76.0

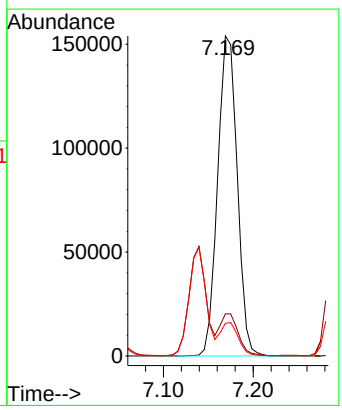


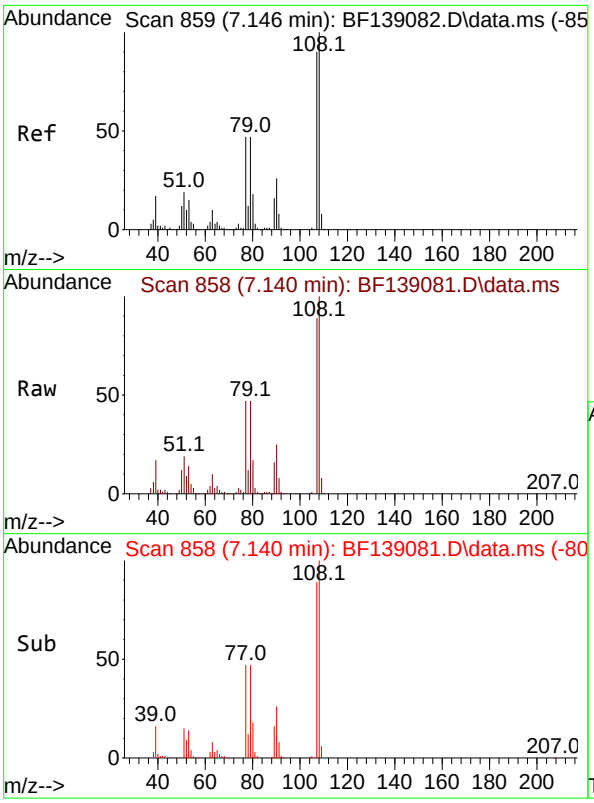


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.637 ng
RT: 7.169 min Scan# 863
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 45 Resp: 233253

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.7
79	10.2	0.0	30.4



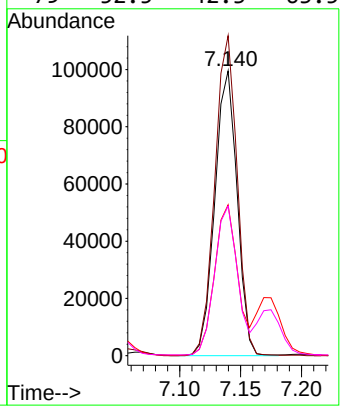


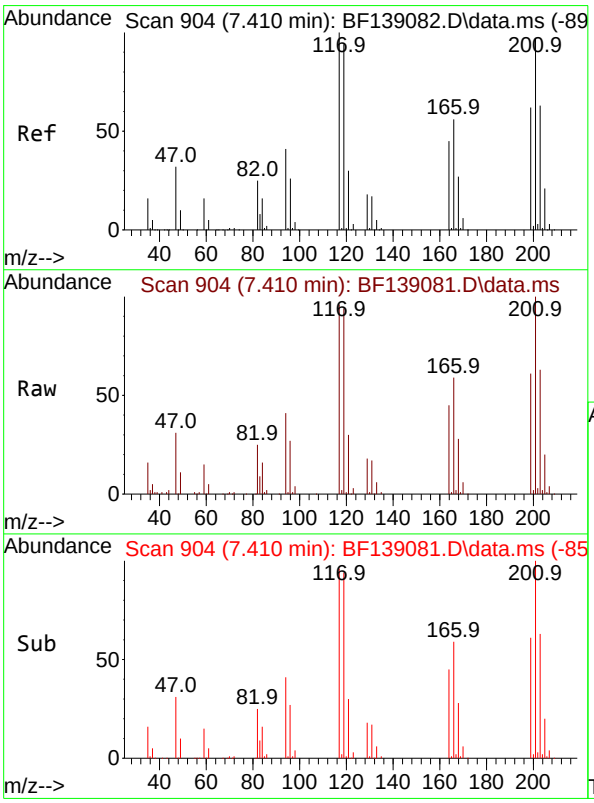
#17
2-Methylphenol
Concen: 20.831 ng
RT: 7.140 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 127205

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.1	133.7
77	53.0	42.1	63.1
79	52.5	42.3	63.5

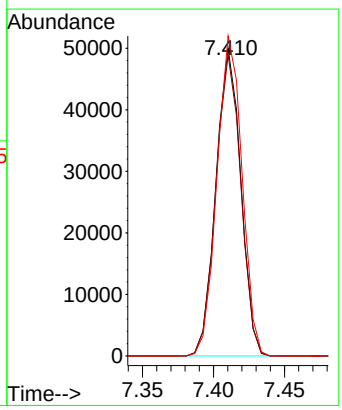


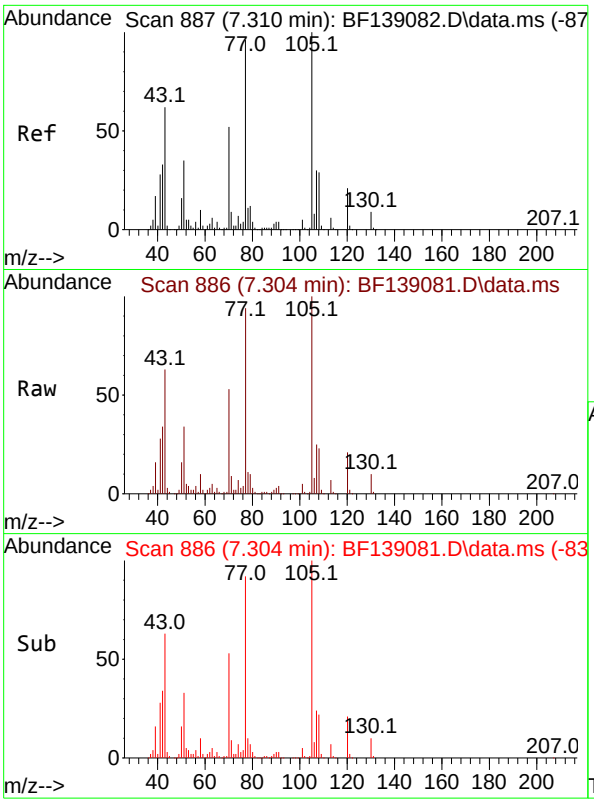


#18
Hexachloroethane
Concen: 20.192 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:117 Resp: 60756

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.5	113.3
201	104.0	77.8	116.8



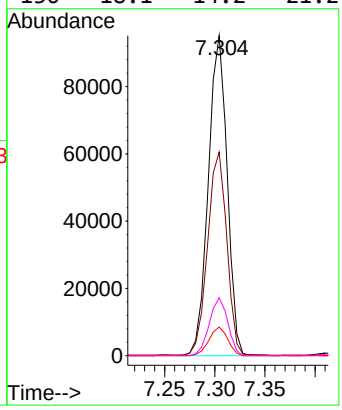


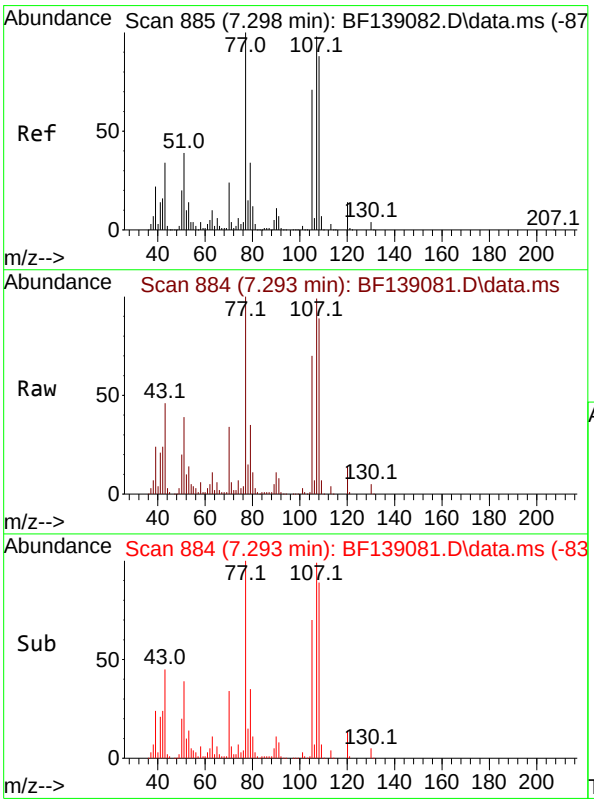
#19
n-Nitroso-di-n-propylamine
Concen: 19.738 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 124292

Ion	Ratio	Lower	Upper
70	100		
42	63.6	50.5	75.7
101	9.0	7.2	10.8
130	18.1	14.2	21.2

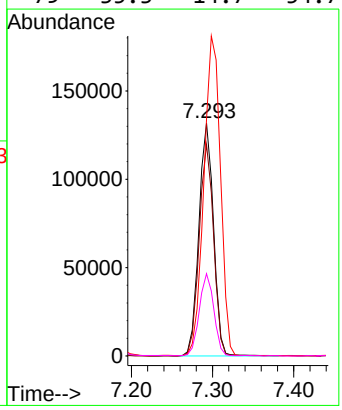


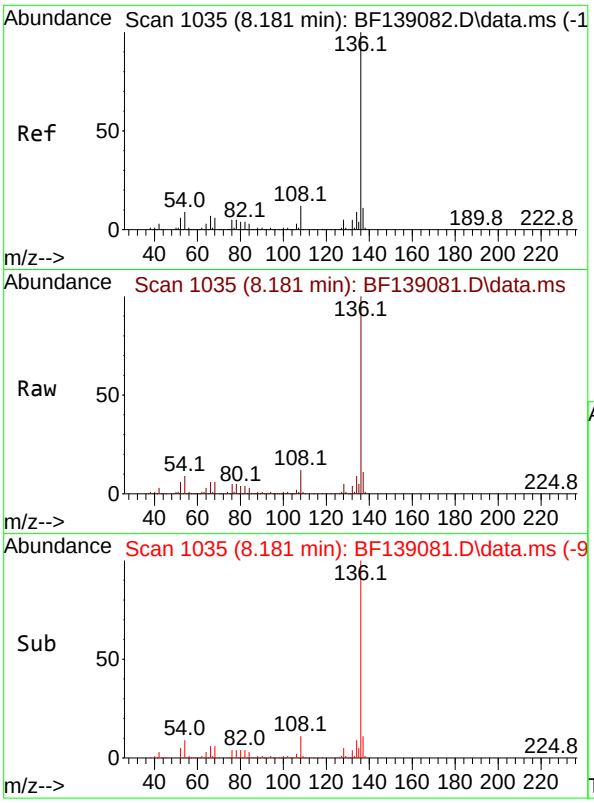


#20
3+4-Methylphenols
Concen: 20.870 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:107 Resp: 165120

Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.2	110.2
77	101.5	82.7	122.7
79	35.3	14.7	54.7



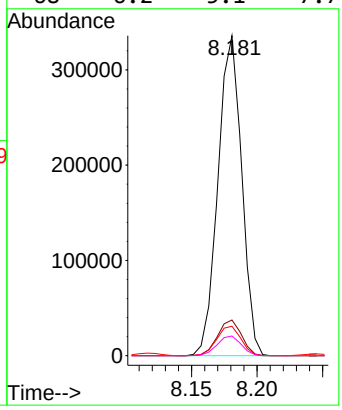


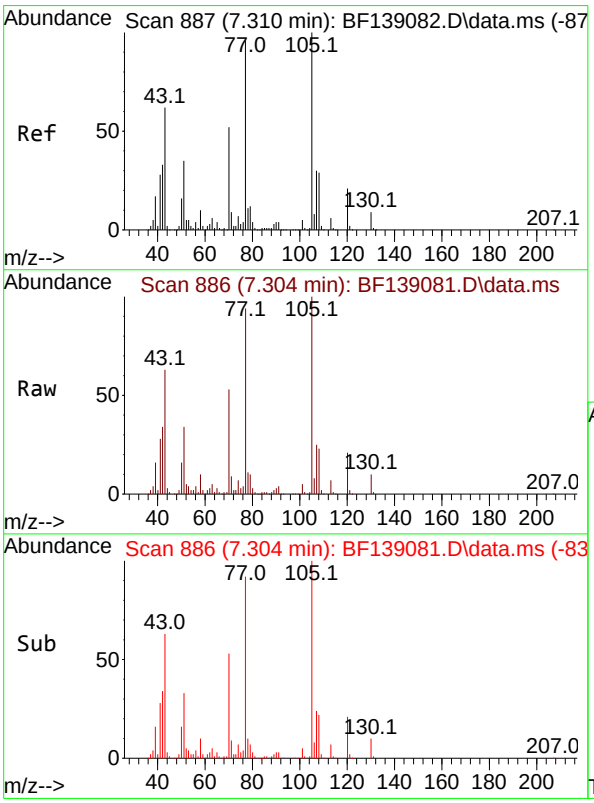
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 422575

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.2	7.6	11.4
68	6.2	5.1	7.7

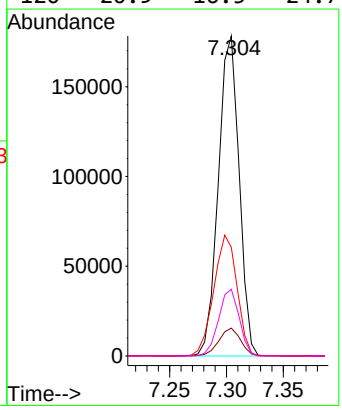


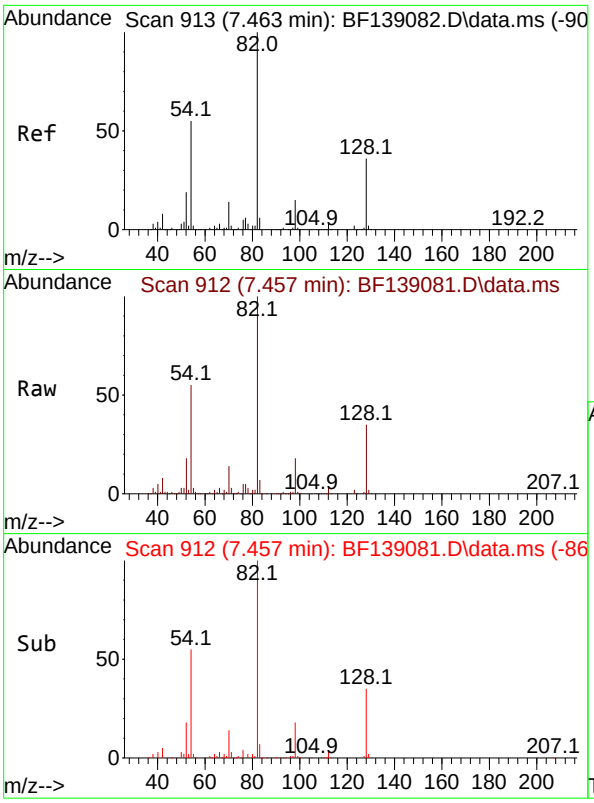


#22
Acetophenone
Concen: 21.074 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:105 Resp: 227379

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.6
51	33.9	28.0	42.0
120	20.9	16.5	24.7



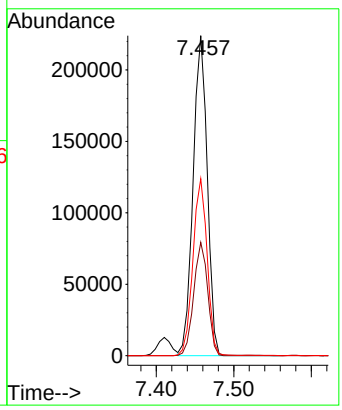


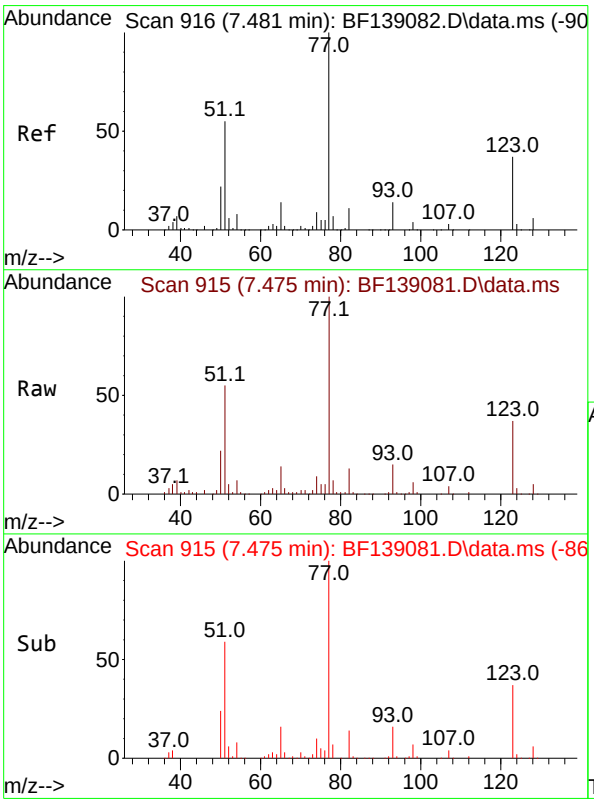
#23
Nitrobenzene-d5
Concen: 39.207 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 284330

Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.0	43.4
54	55.3	43.4	65.2

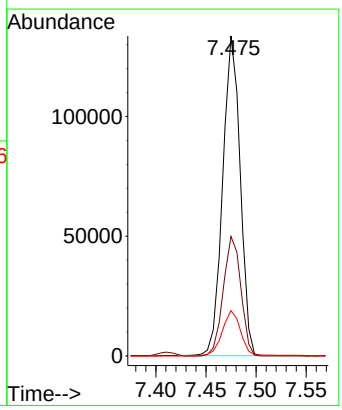


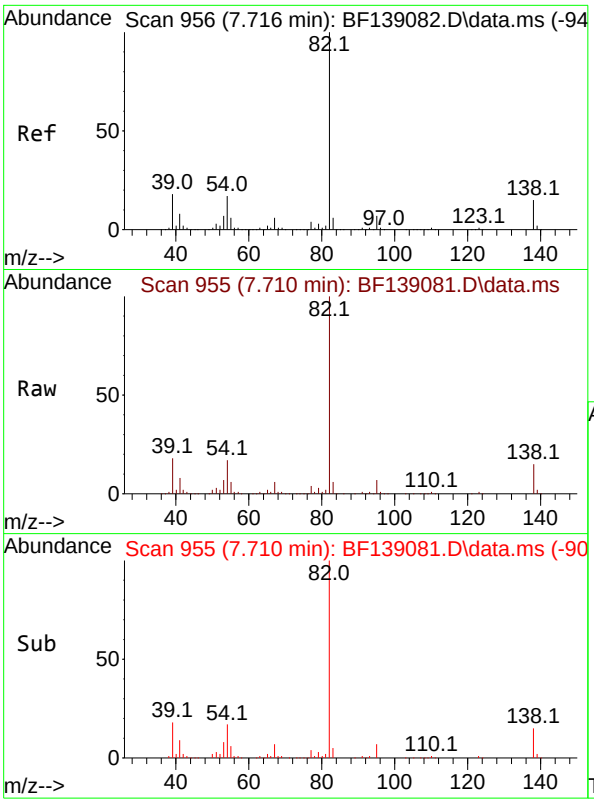


#24
Nitrobenzene
Concen: 20.023 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 77 Resp: 161405

Ion	Ratio	Lower	Upper
77	100		
123	37.4	30.3	45.5
65	14.1	11.3	16.9



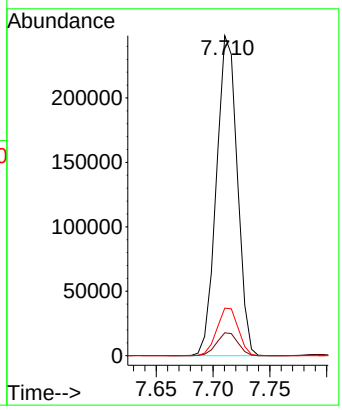


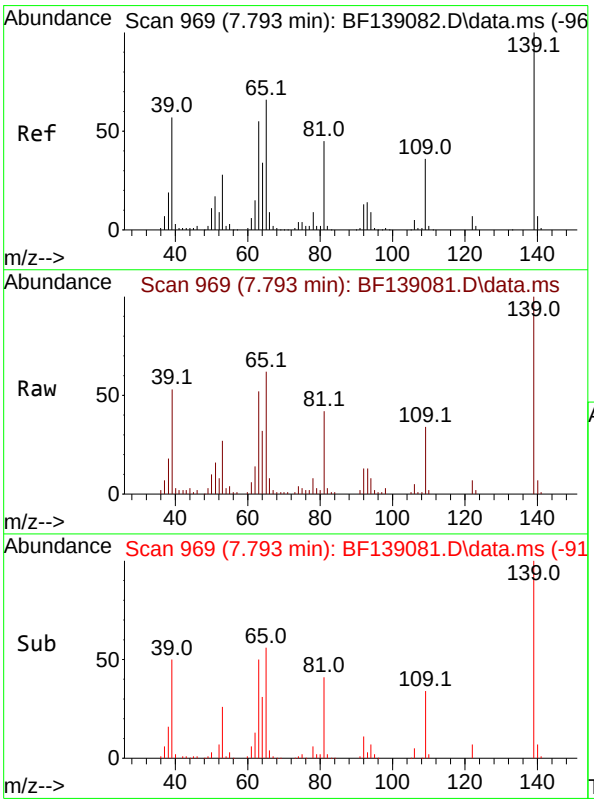
#25
Isophorone
Concen: 20.626 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 317928

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	14.8	11.8	17.8

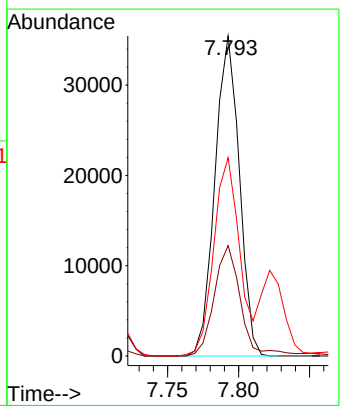


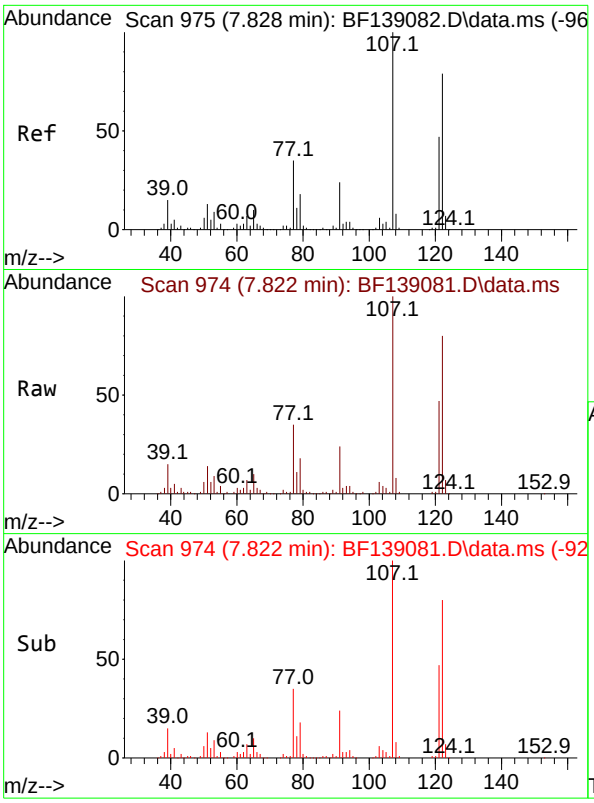


#26
2-Nitrophenol
Concen: 18.897 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:139 Resp: 42329

Ion	Ratio	Lower	Upper
139	100		
109	34.5	29.2	43.8
65	61.9	52.7	79.1



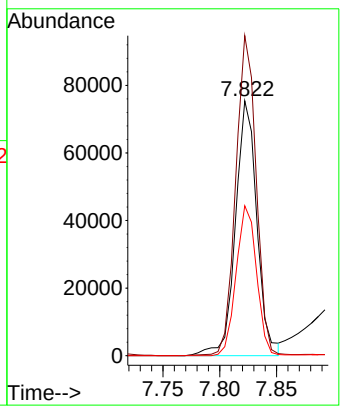


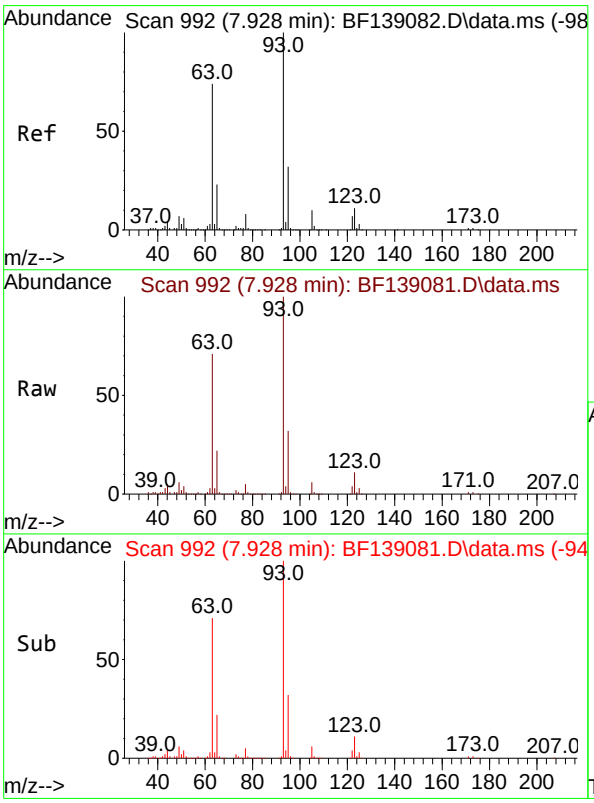
#27
2,4-Dimethylphenol
Concen: 20.245 ng
RT: 7.822 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 98954

Ion	Ratio	Lower	Upper
122	100		
107	125.6	101.1	151.7
121	58.8	47.5	71.3

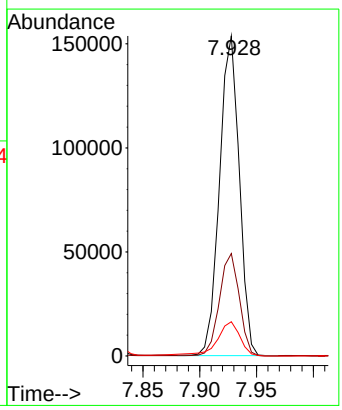


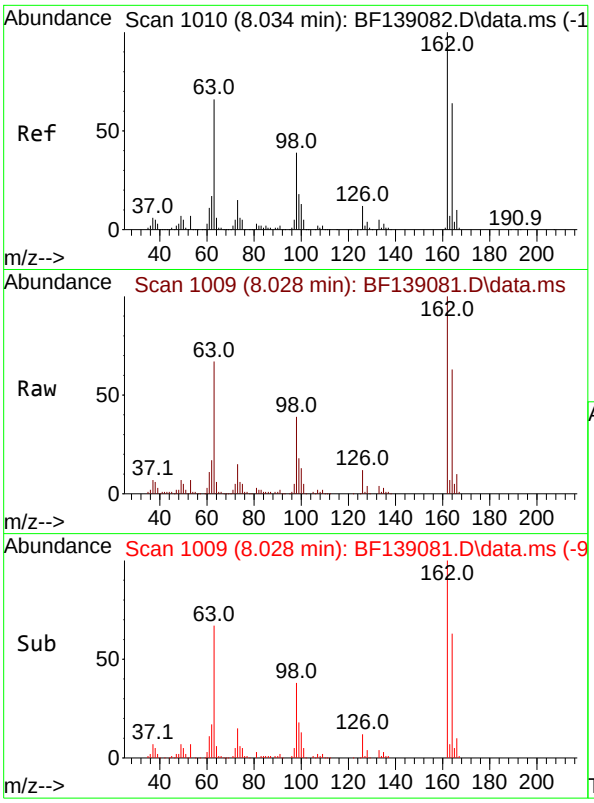


#28
bis(2-Chloroethoxy)methane
Concen: 20.655 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 93 Resp: 186031

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	10.7	8.9	13.3



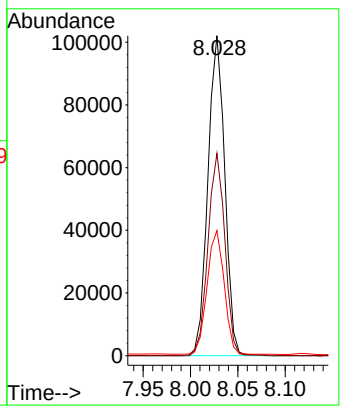


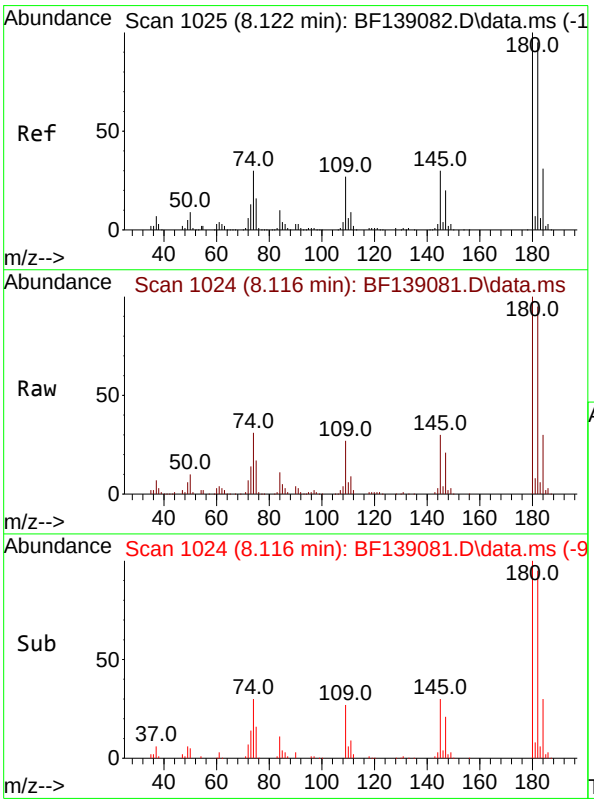
#29
2,4-Dichlorophenol
Concen: 20.759 ng
RT: 8.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 126408

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.9	83.9
98	39.1	19.7	59.7

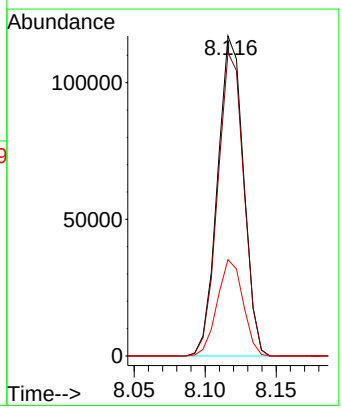


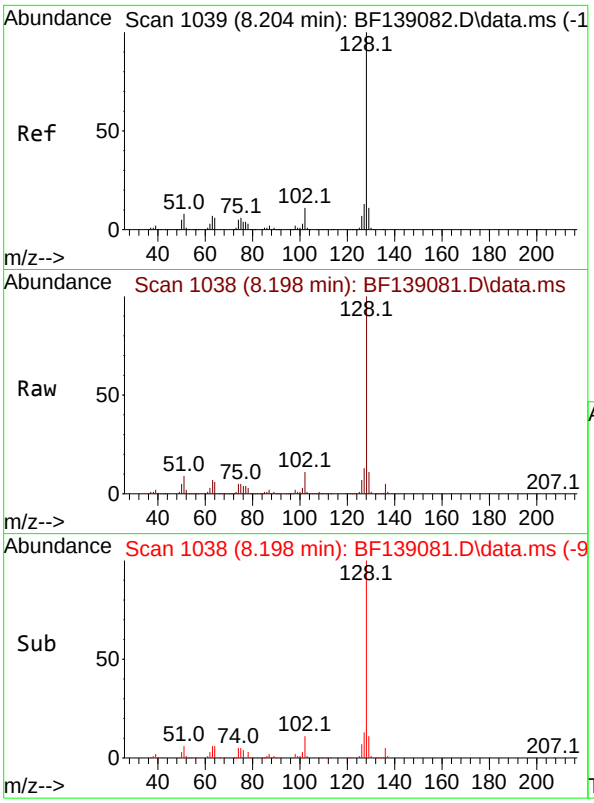


#30
1,2,4-Trichlorobenzene
Concen: 20.852 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:180 Resp: 148682

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	30.1	23.9	35.9



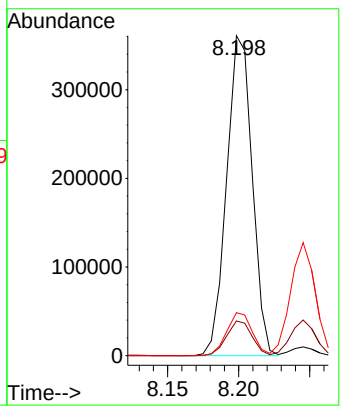


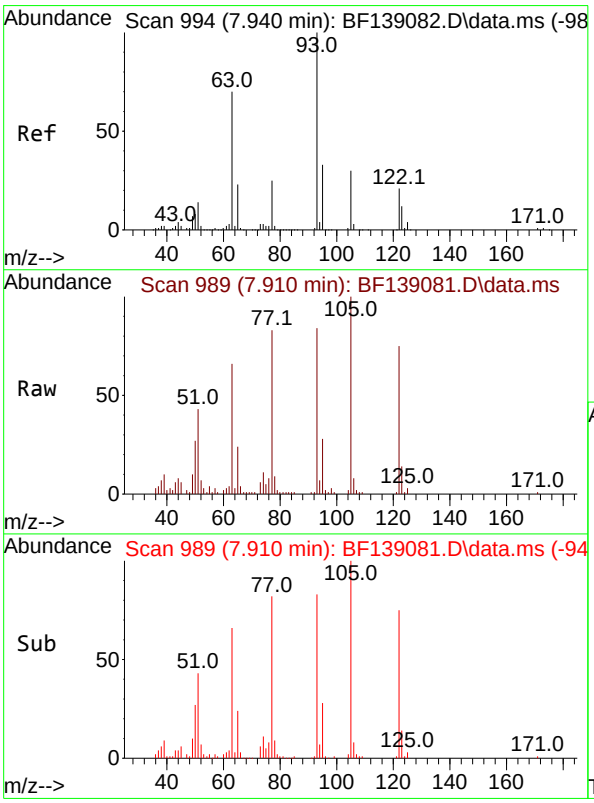
#31
Naphthalene
Concen: 21.125 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 452369

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.4	10.7	16.1

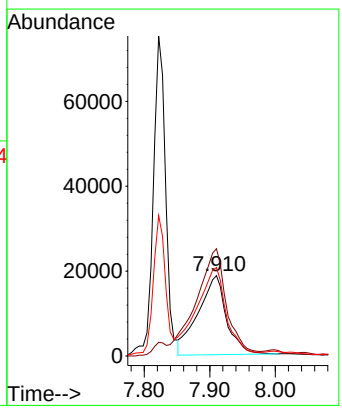


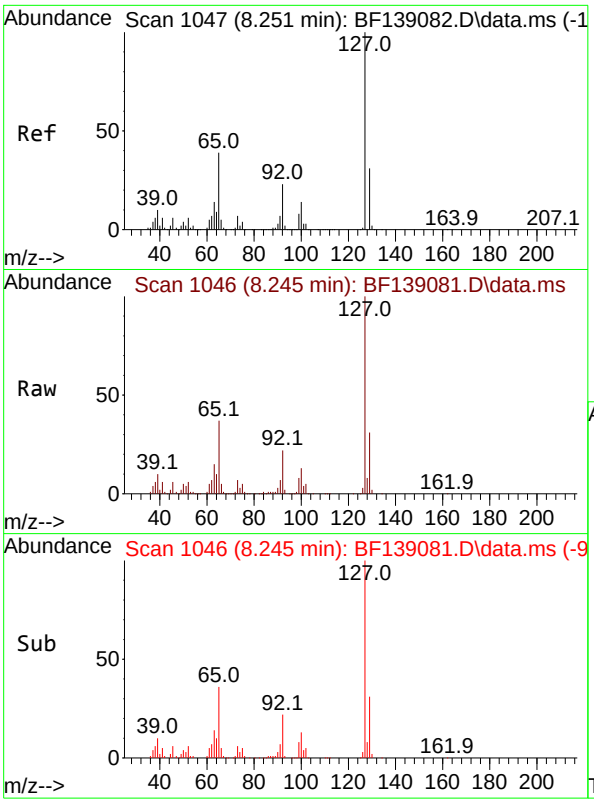


#32
Benzoic acid
Concen: 19.885 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.030 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:122 Resp: 56067

Ion	Ratio	Lower	Upper
122	100		
105	133.3	119.6	159.6
77	110.0	97.6	137.6



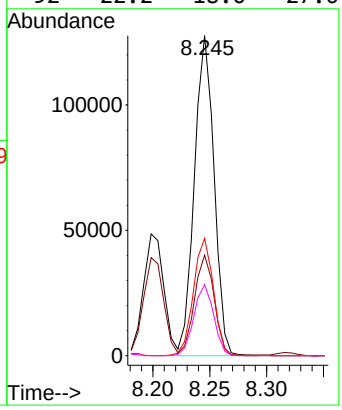


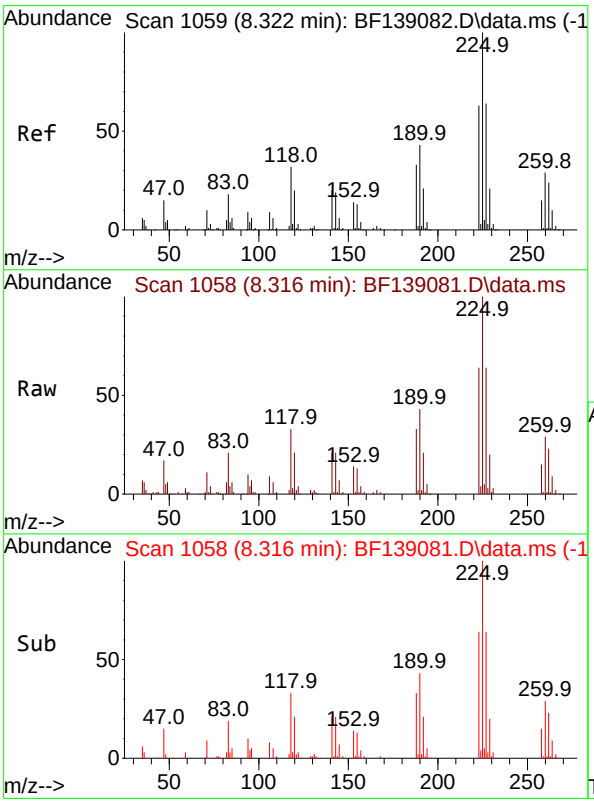
#33
4-Chloroaniline
Concen: 20.929 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 153489

Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	36.7	30.3	45.5
92	22.2	18.0	27.0

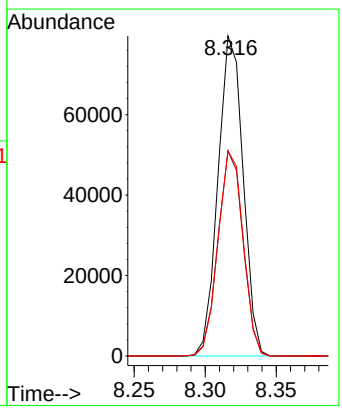


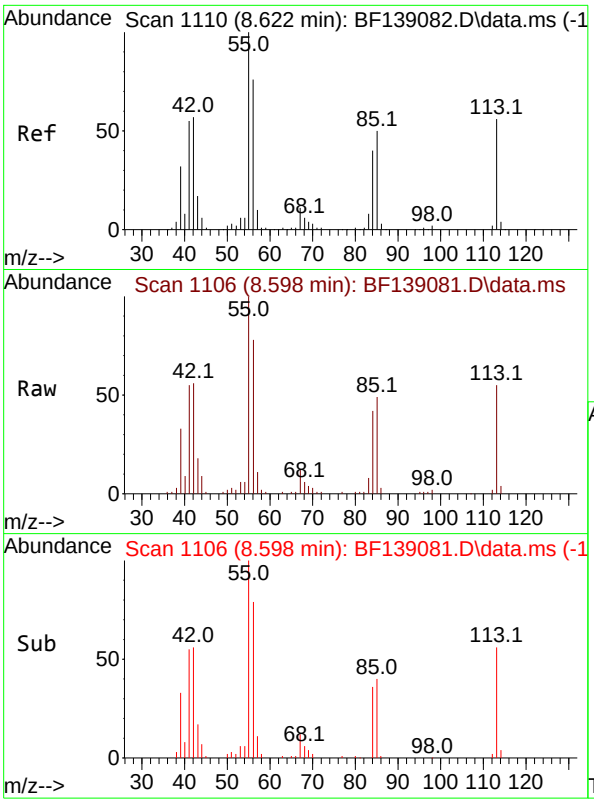


#34
Hexachlorobutadiene
Concen: 20.993 ng
RT: 8.316 min Scan# 1058
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:225 Resp: 97779

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	64.2	51.4	77.2



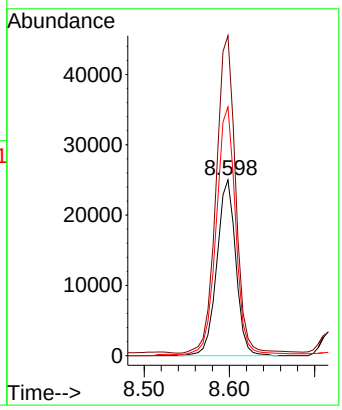


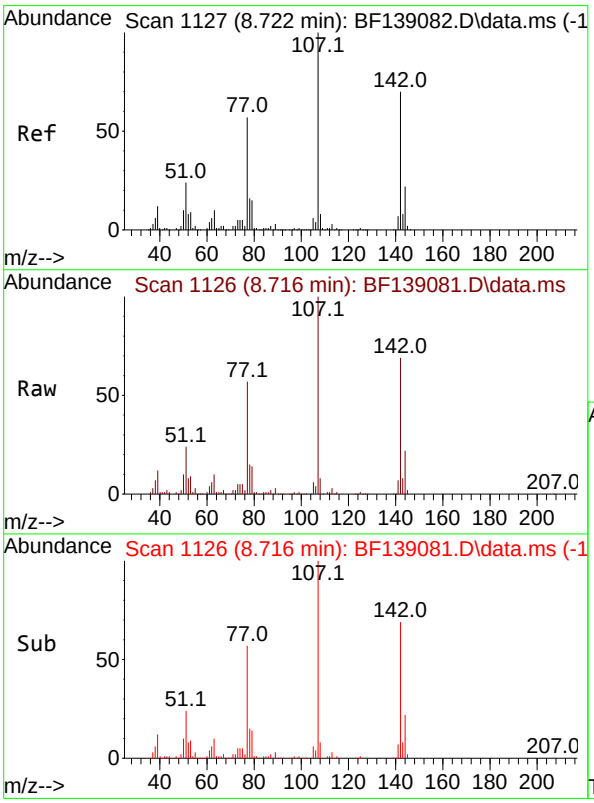
#35
Caprolactam
Concen: 20.038 ng
RT: 8.598 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 38680

Ion	Ratio	Lower	Upper
113	100		
55	182.0	158.6	198.6
56	141.5	115.9	155.9

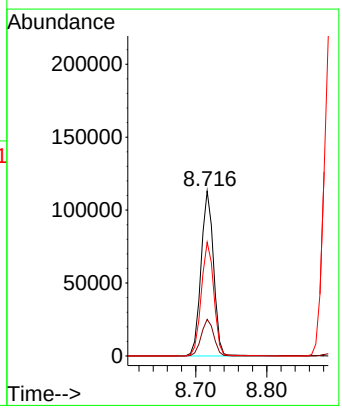


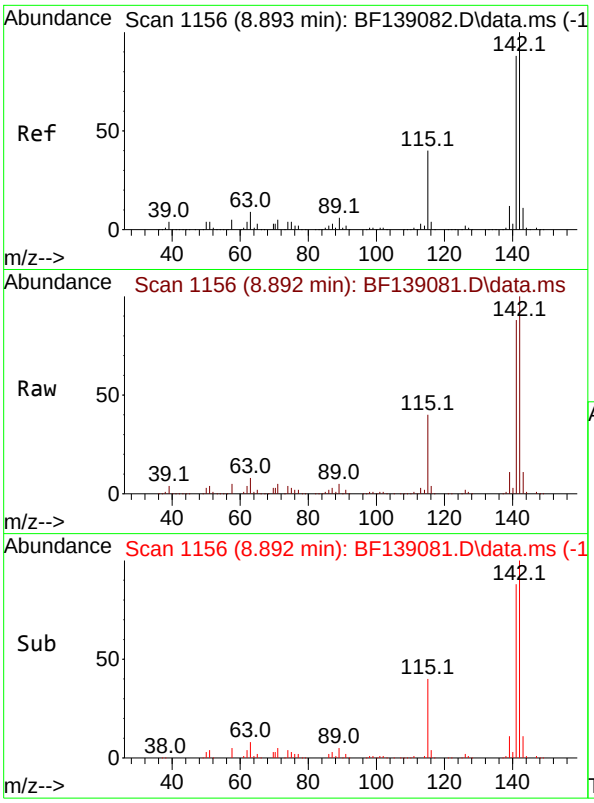


#36
4-Chloro-3-methylphenol
Concen: 20.649 ng
RT: 8.716 min Scan# 1126
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:107 Resp: 139226

Ion	Ratio	Lower	Upper
107	100		
144	22.2	17.7	26.5
142	69.0	55.6	83.4



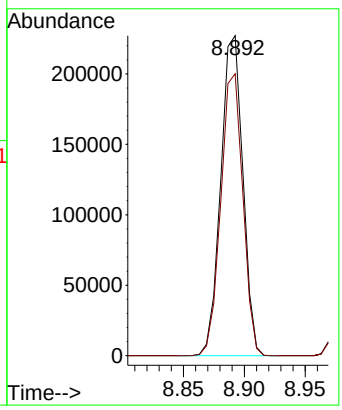


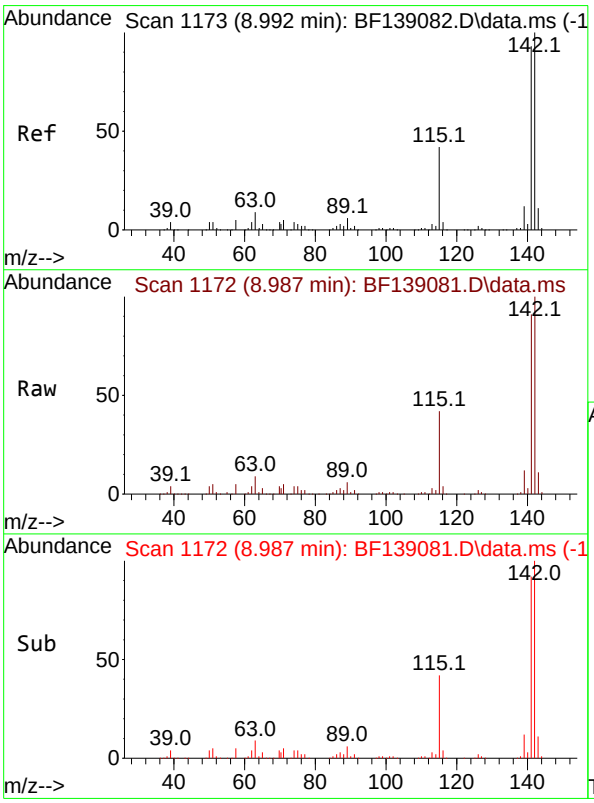
#37
2-Methylnaphthalene
Concen: 20.872 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 286679

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.6	105.8

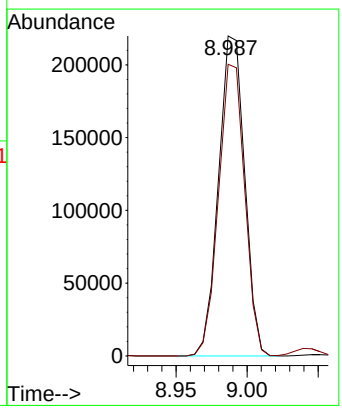


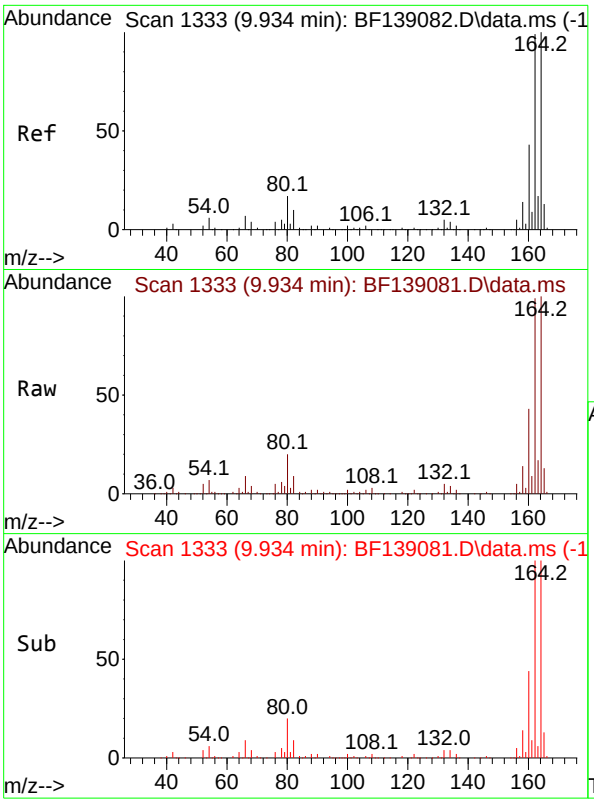


#38
1-Methylnaphthalene
Concen: 21.226 ng
RT: 8.987 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:142 Resp: 281380

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.1	111.1



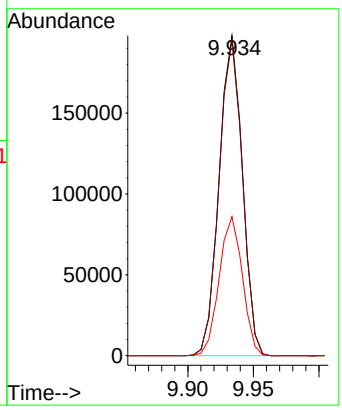


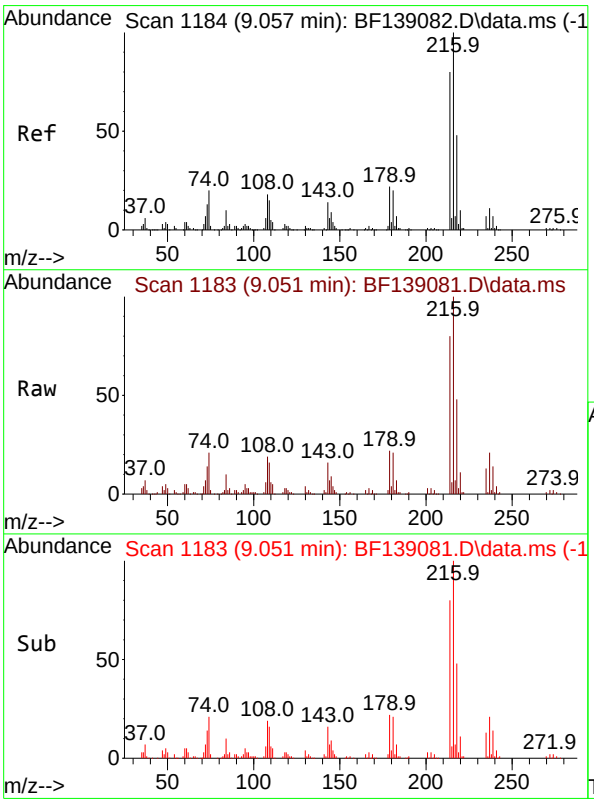
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 244023

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.5	119.3
160	43.5	34.5	51.7

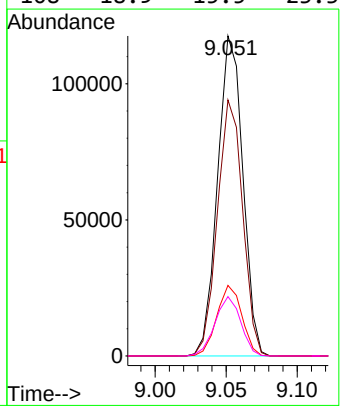


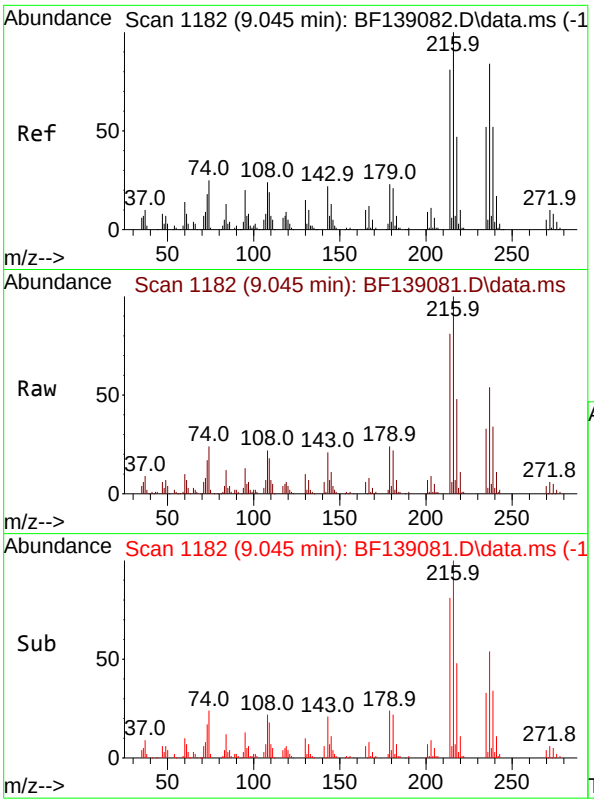


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.223 ng
RT: 9.051 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:216 Resp: 145276

Ion	Ratio	Lower	Upper
216	100		
214	79.9	64.2	96.2
179	21.9	17.4	26.2
108	18.9	15.5	23.3



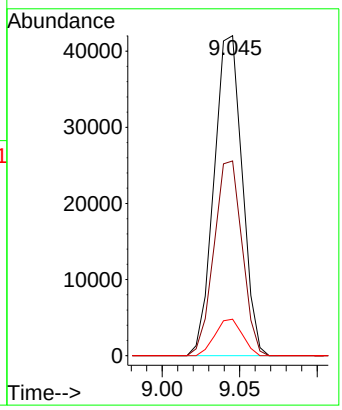


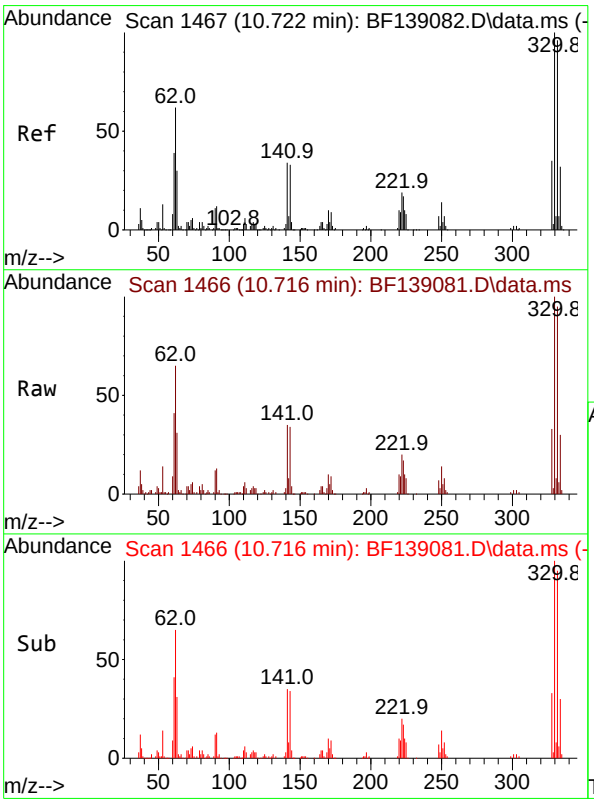
#41
Hexachlorocyclopentadiene
Concen: 20.678 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 53093

Ion	Ratio	Lower	Upper
237	100		
235	60.8	42.5	82.5
272	11.4	0.0	32.0

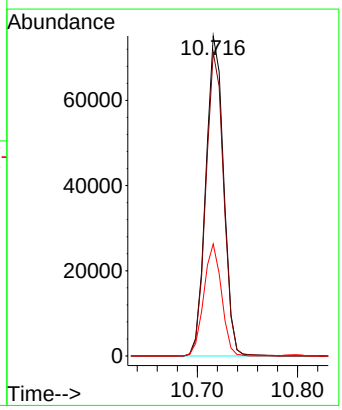


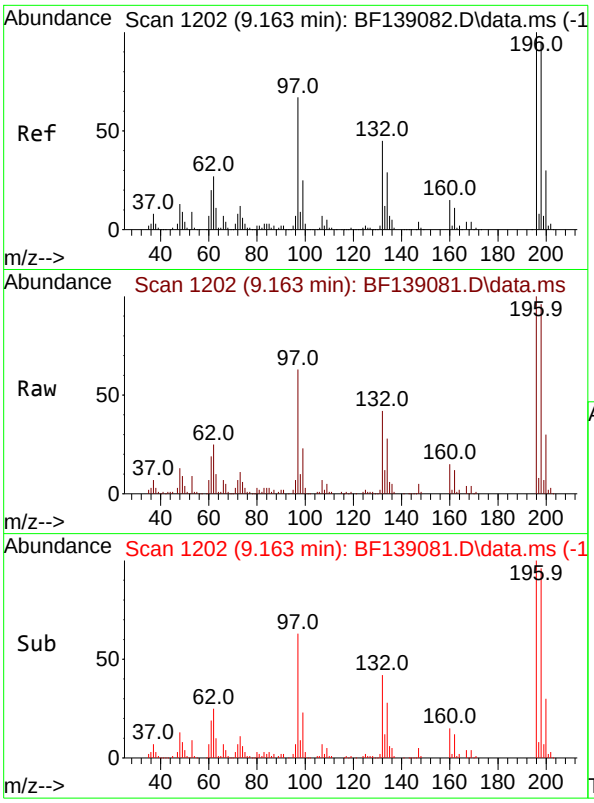


#42
2,4,6-Tribromophenol
Concen: 42.086 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:330 Resp: 92973

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	34.7	27.5	41.3



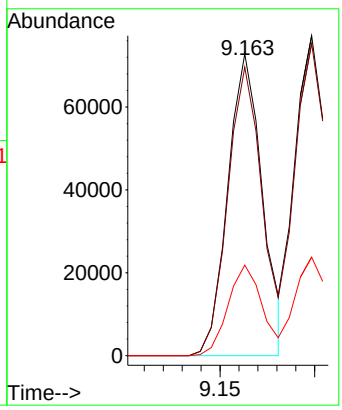


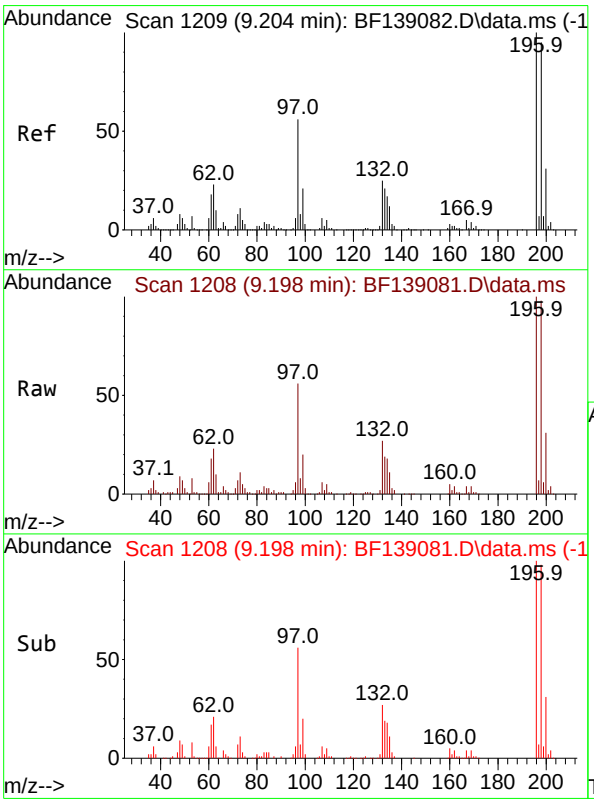
#43
2,4,6-Trichlorophenol
Concen: 20.472 ng
RT: 9.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 92295

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
200	30.0	23.8	35.8

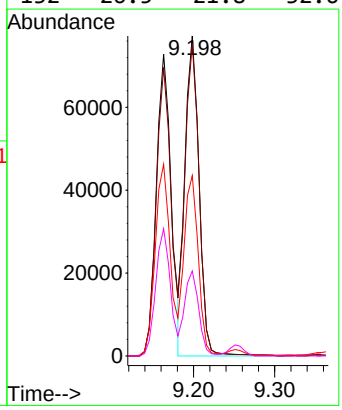


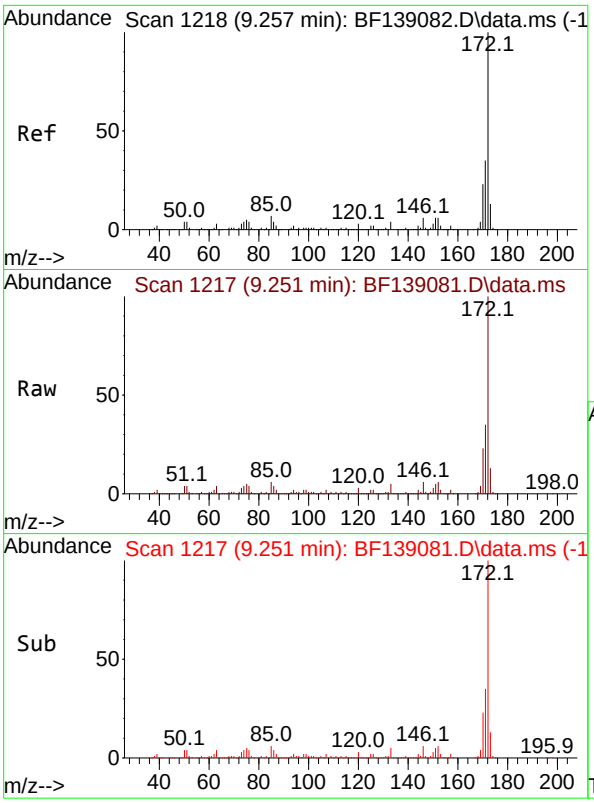


#44
2,4,5-Trichlorophenol
Concen: 20.248 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:196 Resp: 93701

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.6	114.8
97	56.4	44.6	67.0
132	26.5	21.8	32.6



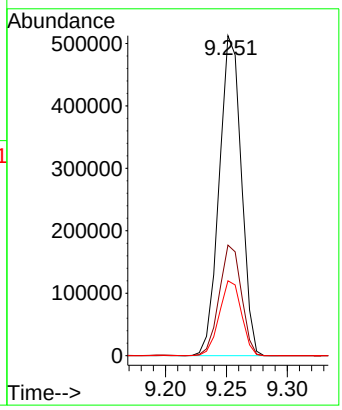


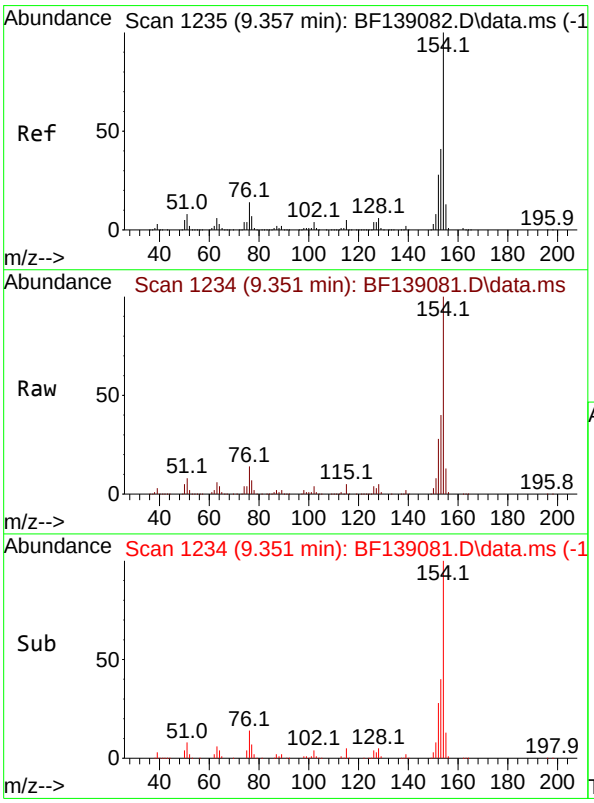
#45
2-Fluorobiphenyl
Concen: 42.087 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 647309

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.4	42.6
170	23.4	18.8	28.2

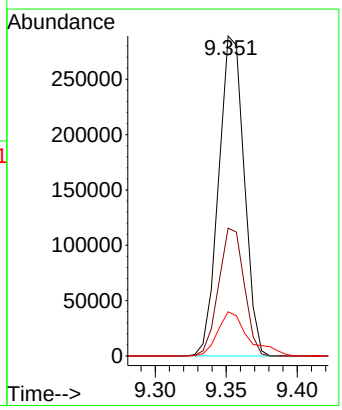


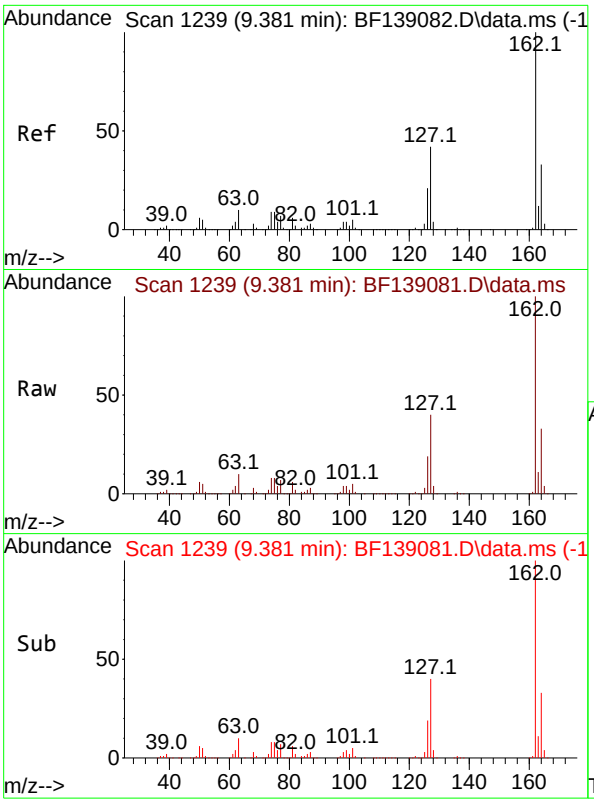


#46
1,1'-Biphenyl
Concen: 21.591 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:154 Resp: 360920

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.6	60.6
76	13.8	0.0	33.6



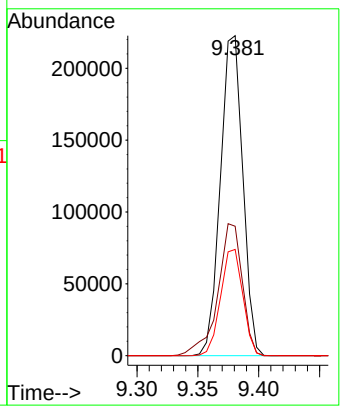


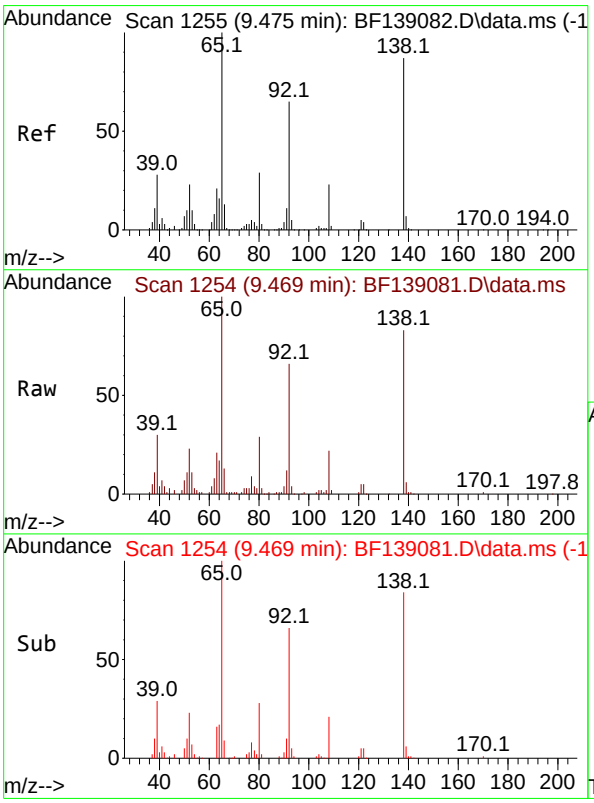
#47
2-Chloronaphthalene
Concen: 21.041 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 285784

Ion	Ratio	Lower	Upper
162	100		
127	40.4	33.8	50.6
164	33.2	26.3	39.5

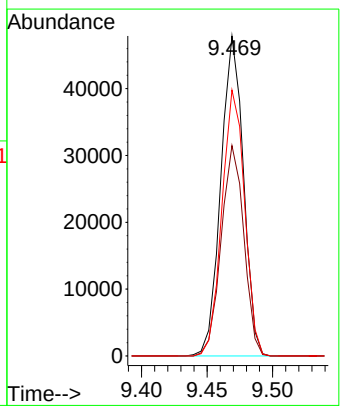


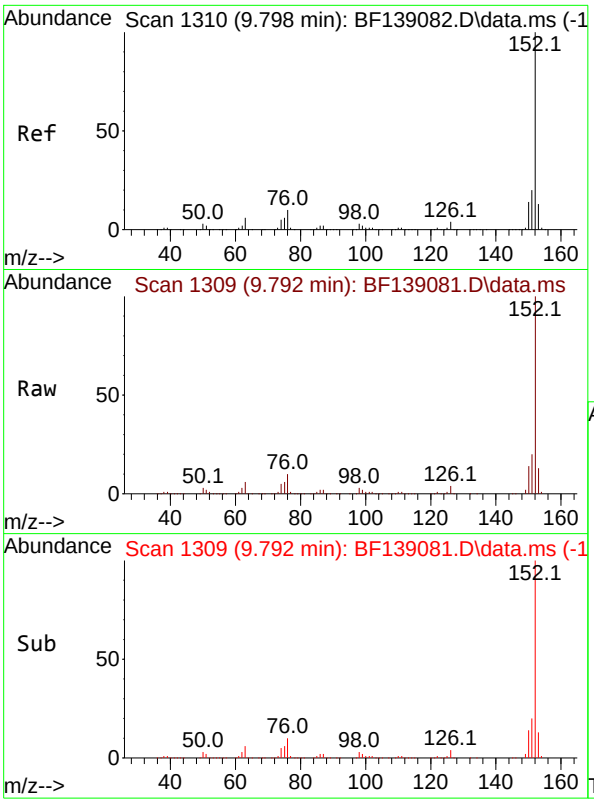


#48
2-Nitroaniline
Concen: 18.629 ng
RT: 9.469 min Scan# 1254
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion: 65 Resp: 57242

Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.4	78.6
138	83.1	69.4	104.0



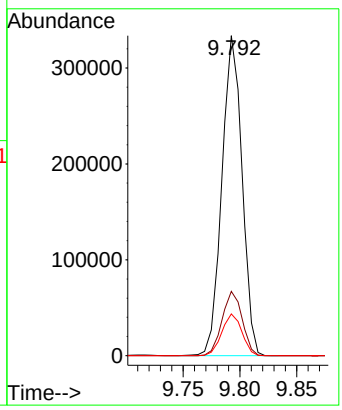


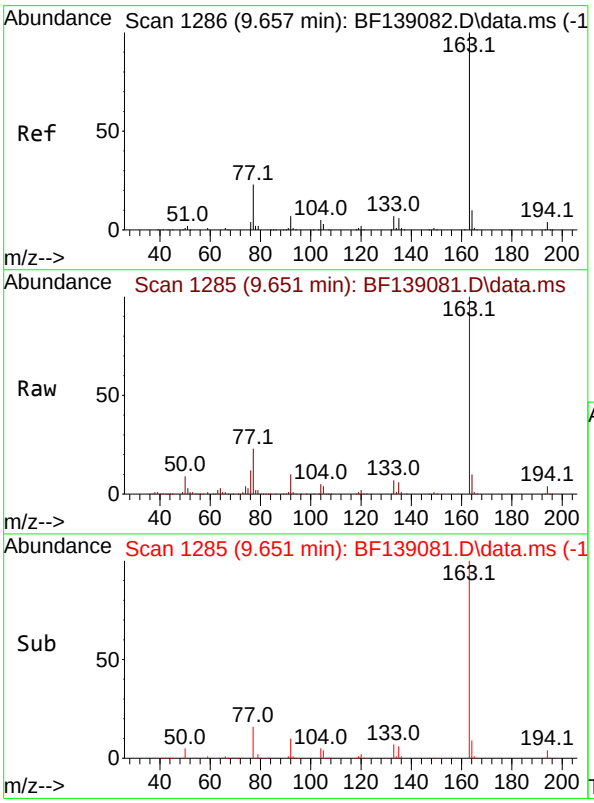
#49
Acenaphthylene
Concen: 21.190 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 412294

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	15.8

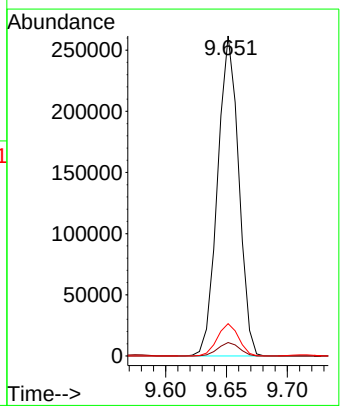


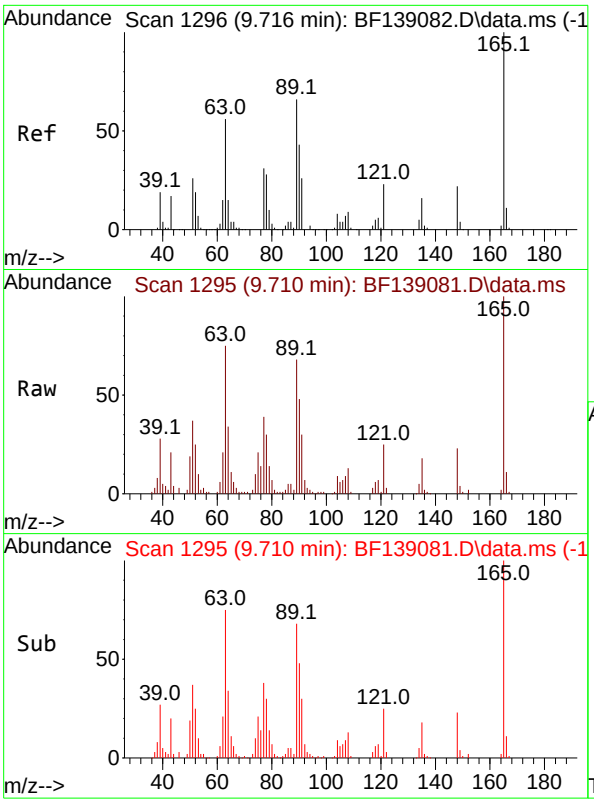


#50
Dimethylphthalate
Concen: 20.968 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:163 Resp: 315889

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.2	12.2



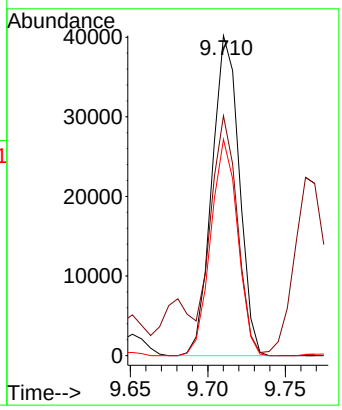


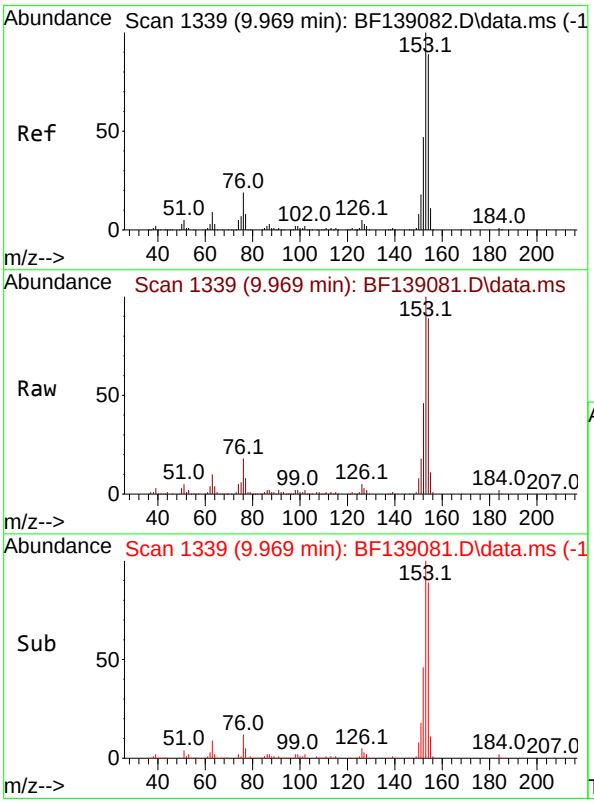
#51
2,6-Dinitrotoluene
Concen: 19.266 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 49197

Ion	Ratio	Lower	Upper
165	100		
63	74.9	58.0	87.0
89	67.6	53.3	79.9

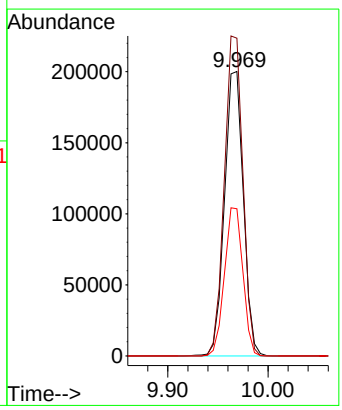


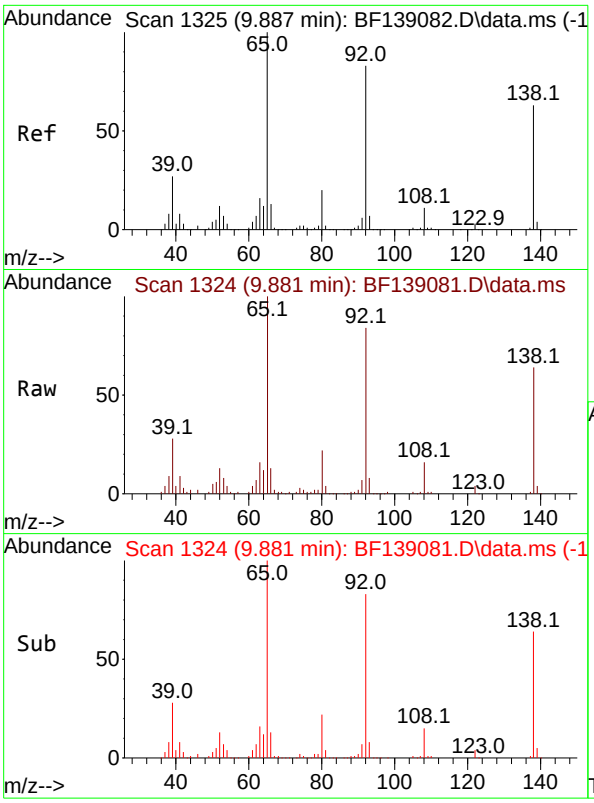


#52
Acenaphthene
Concen: 20.363 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:154 Resp: 261714

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.7	134.5
152	51.8	42.3	63.5



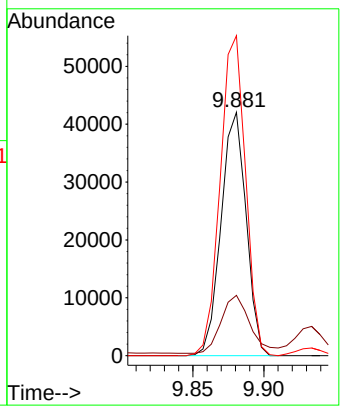


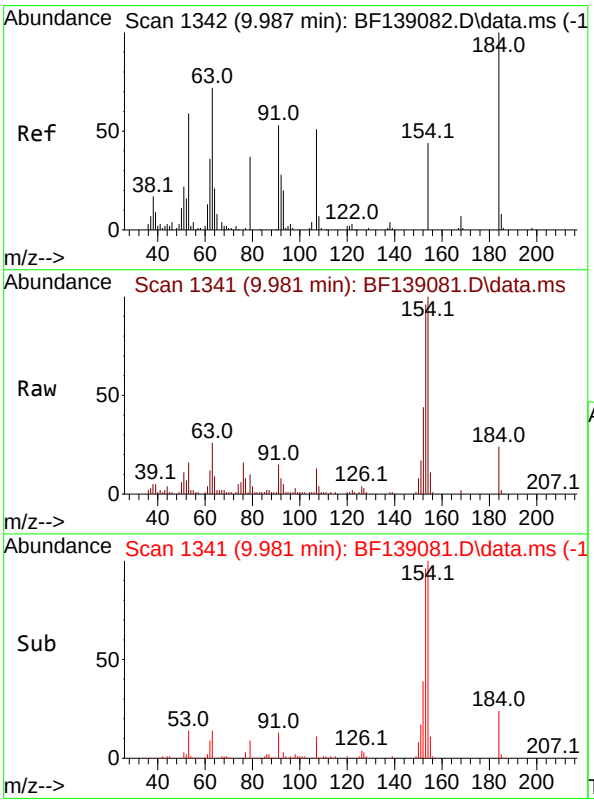
#53
3-Nitroaniline
Concen: 19.585 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 51606

Ion	Ratio	Lower	Upper
138	100		
108	24.8	14.6	21.8#
92	131.5	105.9	158.9

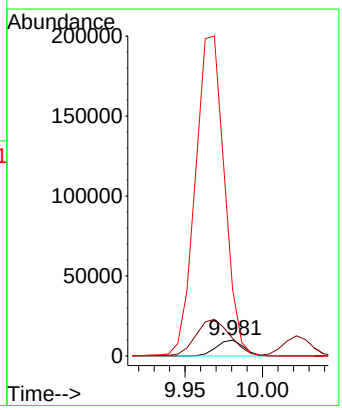


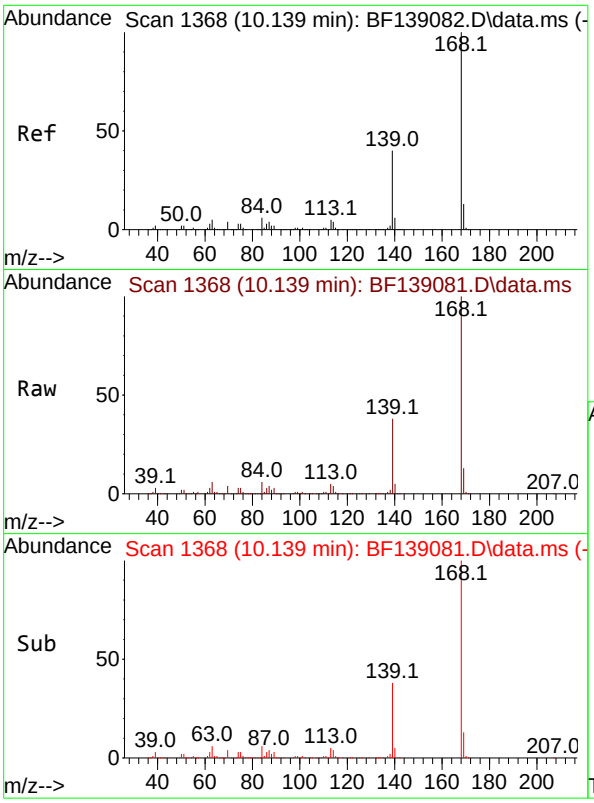


#54
2,4-Dinitrophenol
Concen: 19.453 ng
RT: 9.981 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:184 Resp: 12058

Ion	Ratio	Lower	Upper
184	100		
63	110.6	70.5	105.7#
154	421.6	135.0	202.6#



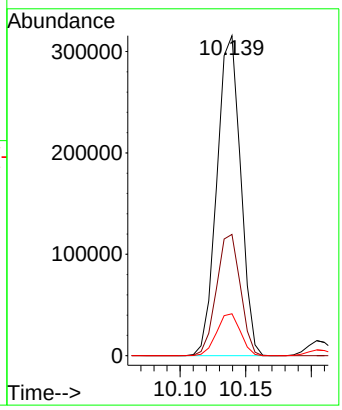


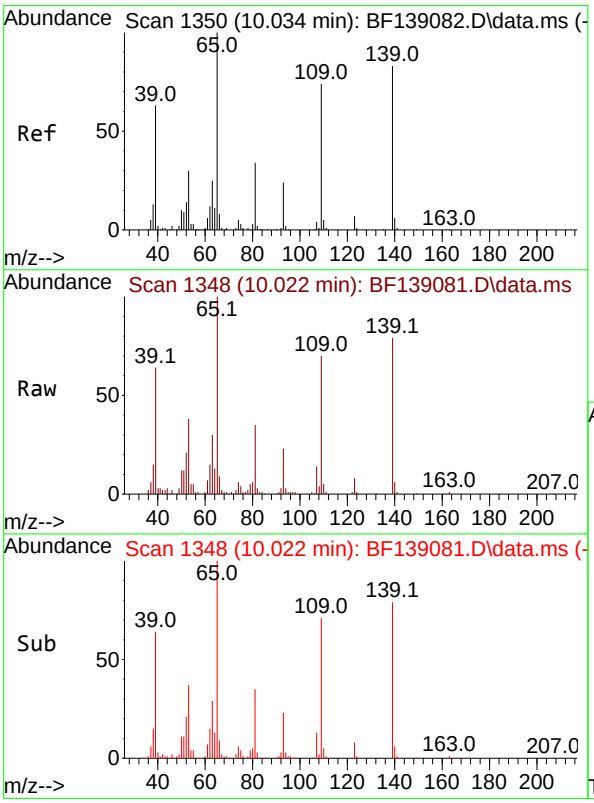
#55
Dibenzofuran
Concen: 21.221 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 396151

Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.6	47.4
169	13.1	10.7	16.1

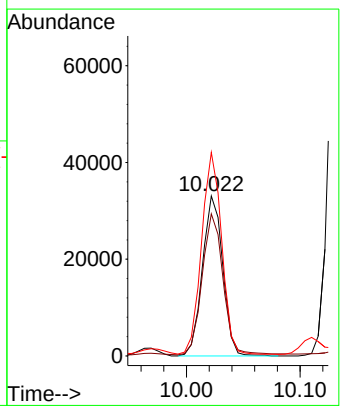


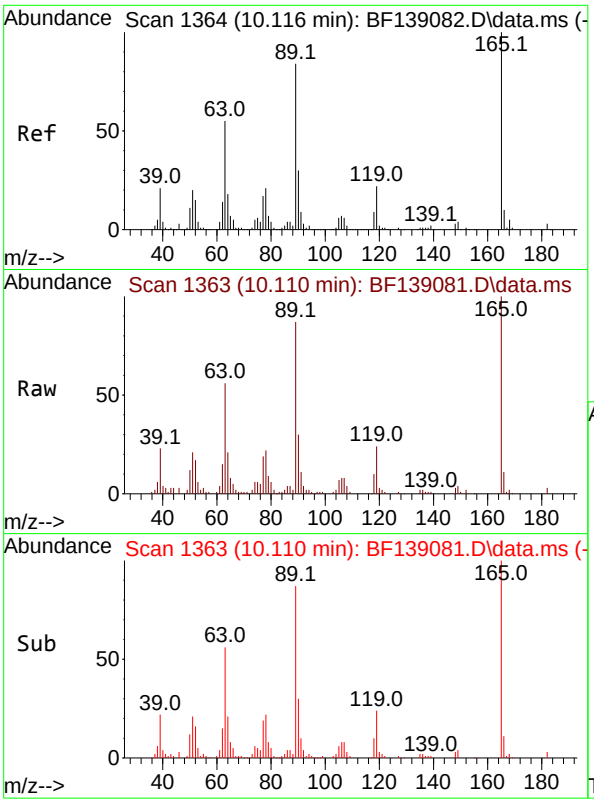


#56
4-Nitrophenol
Concen: 18.124 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:139 Resp: 41271

Ion	Ratio	Lower	Upper
139	100		
109	88.9	68.8	108.8
65	127.2	101.3	141.3



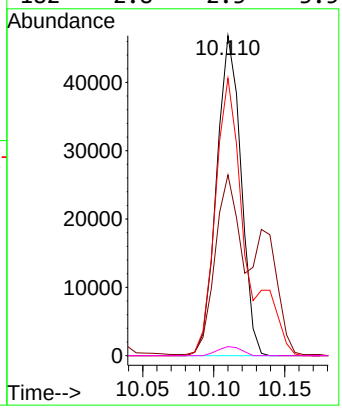


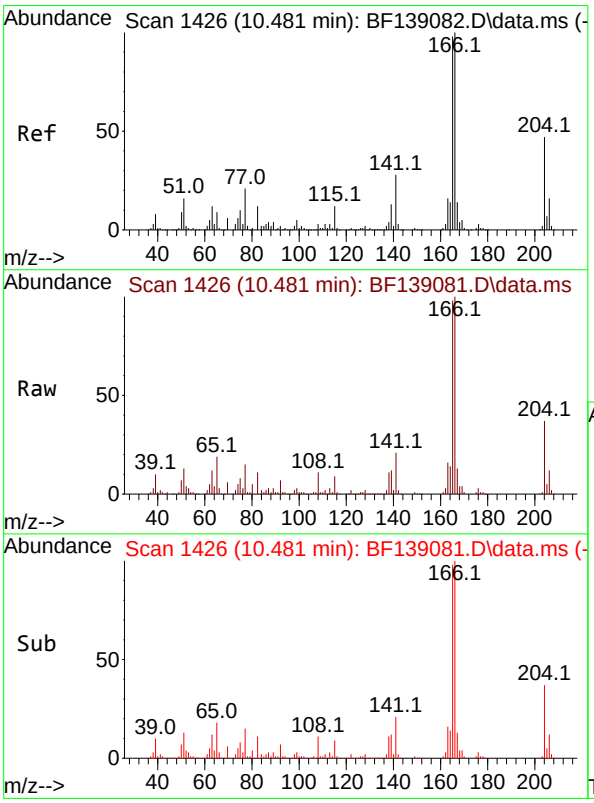
#57
2,4-Dinitrotoluene
Concen: 18.598 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 55907

Ion	Ratio	Lower	Upper
165	100		
63	56.5	44.2	66.4
89	86.7	67.4	101.2
182	2.8	2.3	3.5

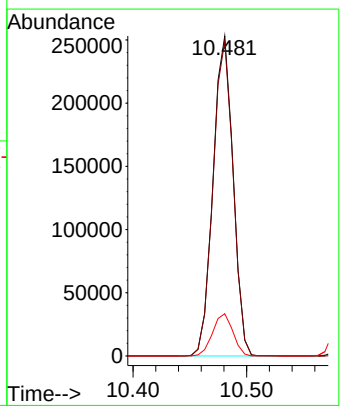


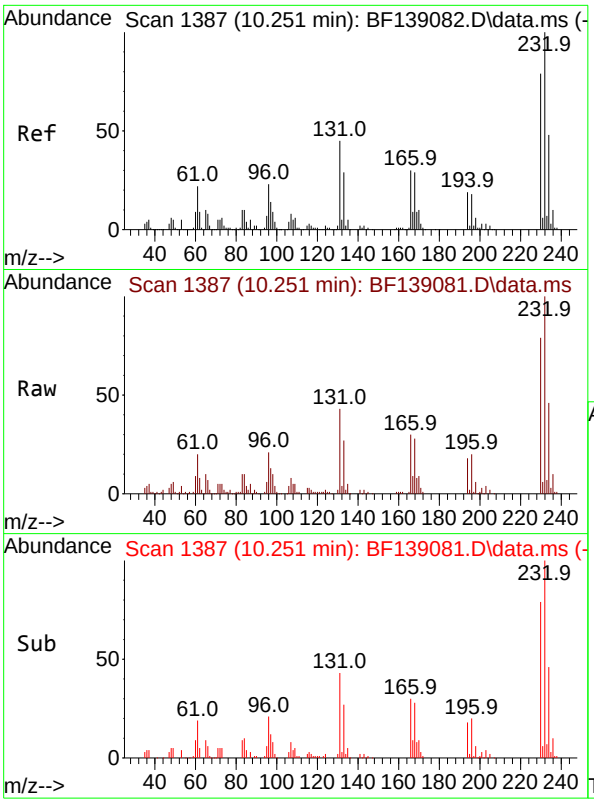


#58
Fluorene
Concen: 20.827 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:166 Resp: 310711

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.0	117.0
167	13.2	11.0	16.4



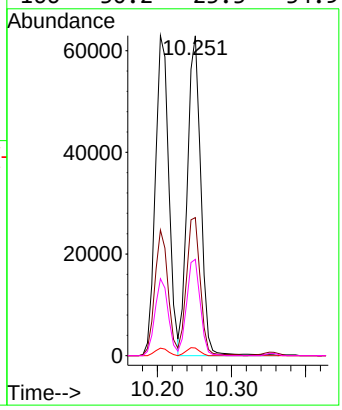


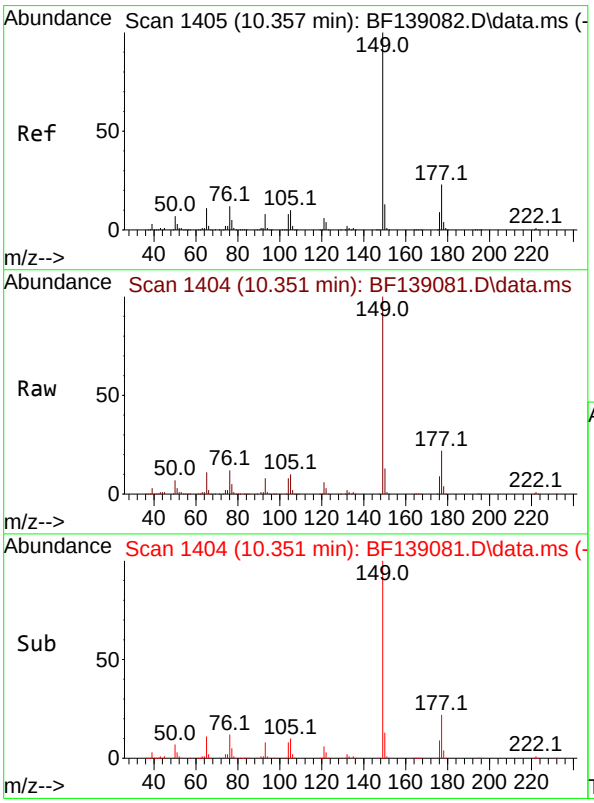
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.326 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 79240

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.0	54.0
130	2.5	2.0	3.0
166	30.2	23.3	34.9

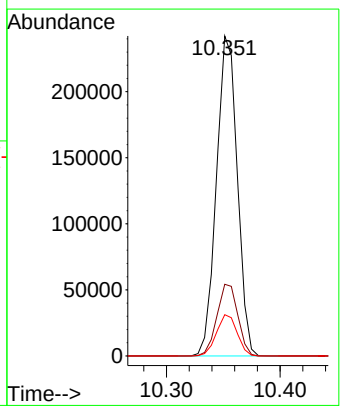


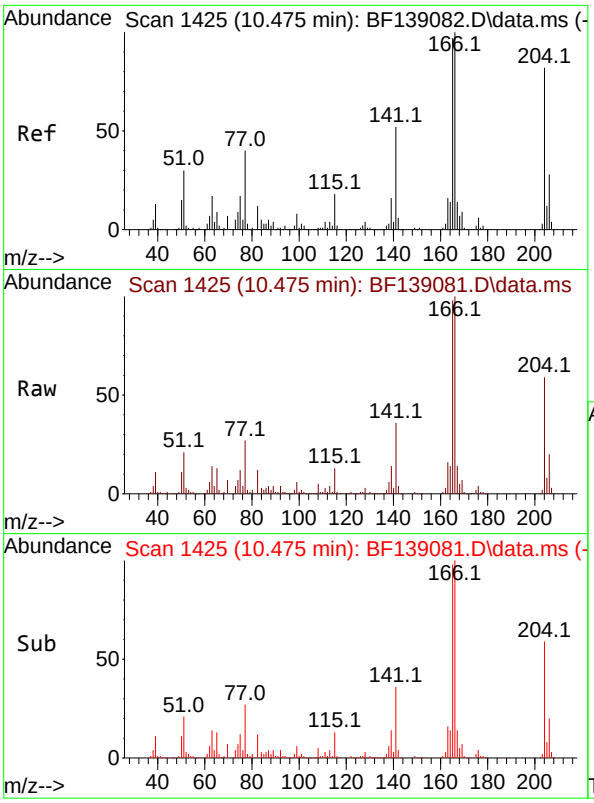


#60
Diethylphthalate
Concen: 20.718 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 309251

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.9	10.2	15.2



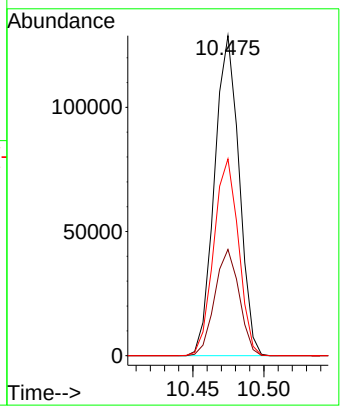


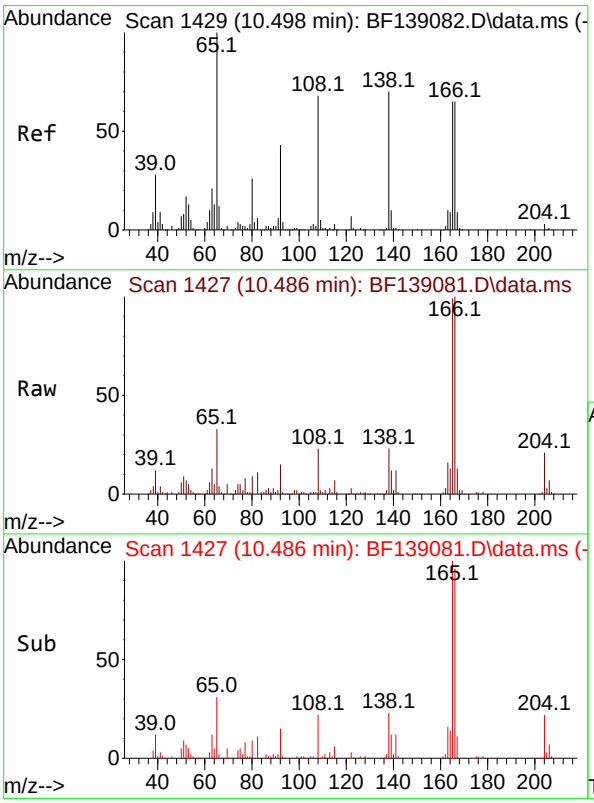
#61
4-Chlorophenyl-phenylether
Concen: 20.824 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 155161

Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.0	40.4
141	61.5	50.9	76.3

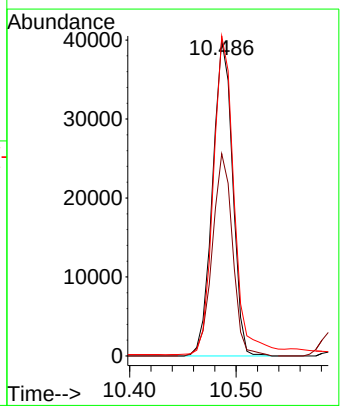


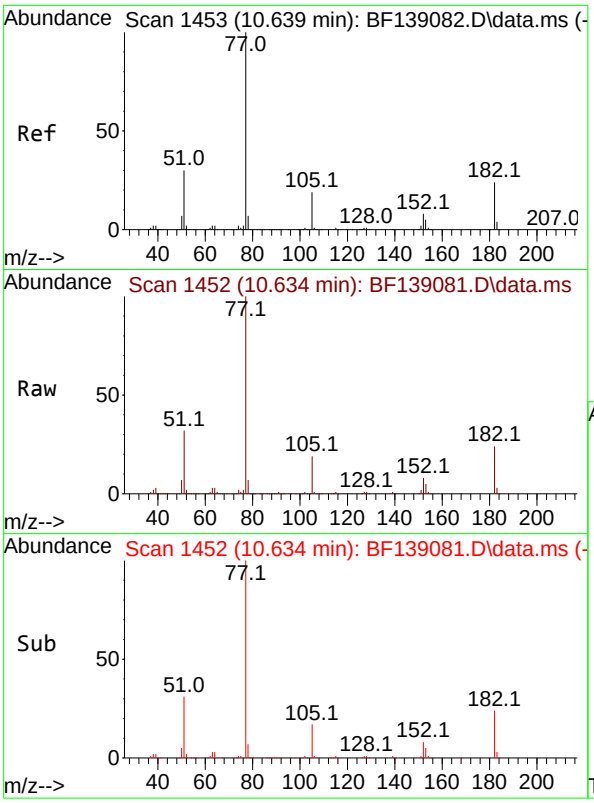


#62
4-Nitroaniline
Concen: 19.256 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:138 Resp: 52096

Ion	Ratio	Lower	Upper
138	100		
92	63.9	41.4	81.4
108	101.1	76.8	116.8



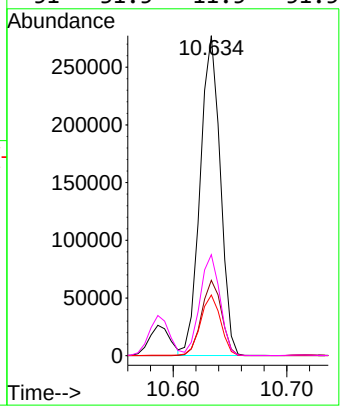


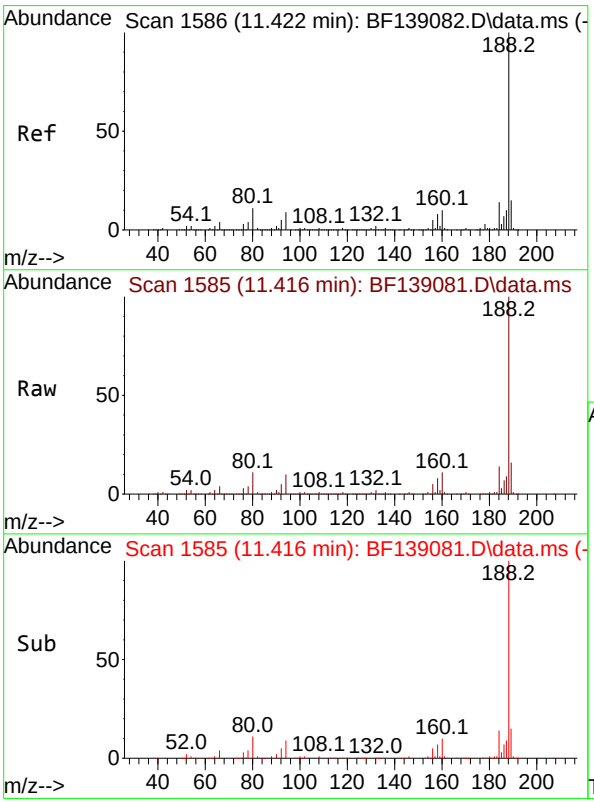
#63
Azobenzene
Concen: 20.522 ng
RT: 10.634 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 340418

Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.0	44.0
105	18.9	0.0	39.1
51	31.5	11.5	51.5

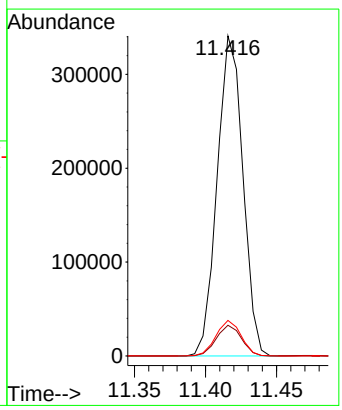


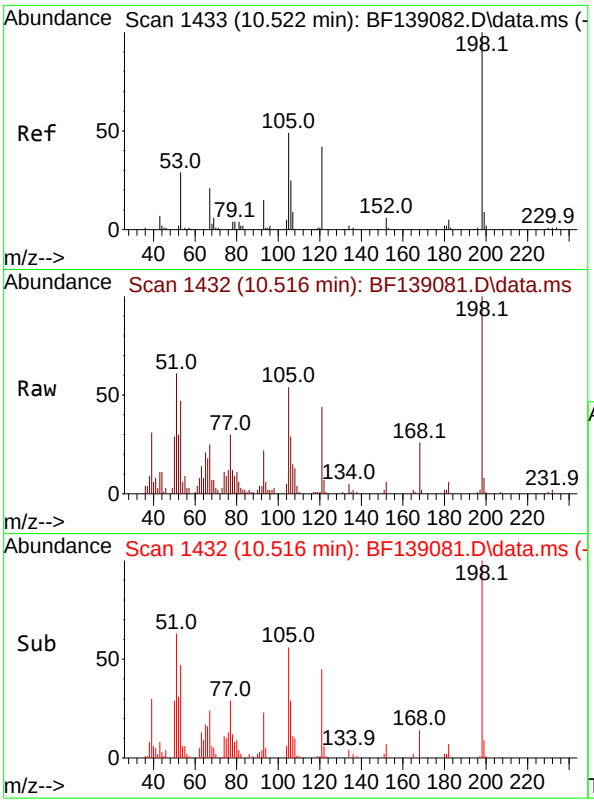


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:188 Resp: 428750

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	11.1	8.5	12.7



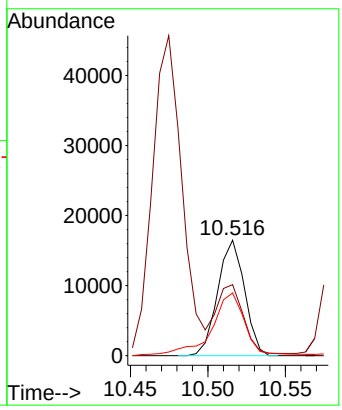


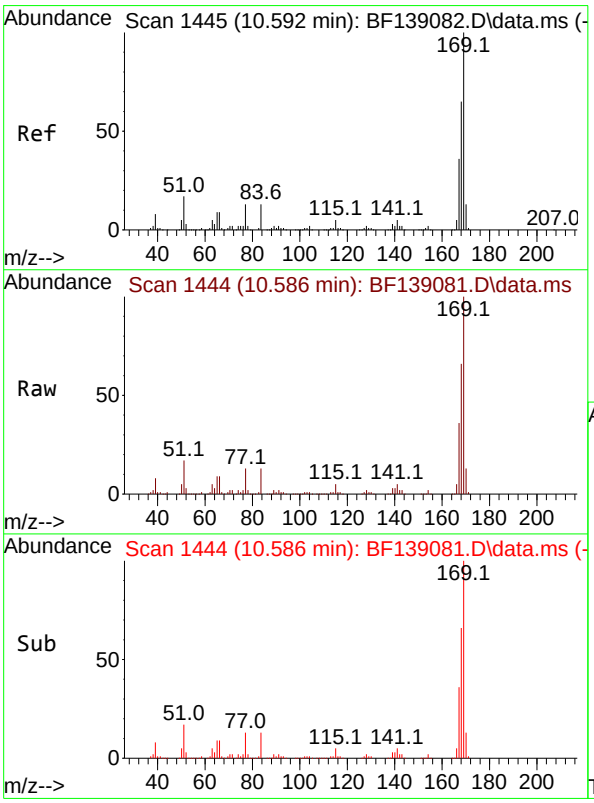
#65
4,6-Dinitro-2-methylphenol
Concen: 19.345 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 19851

Ion	Ratio	Lower	Upper
198	100		
51	61.5	40.8	80.8
105	54.4	30.9	70.9

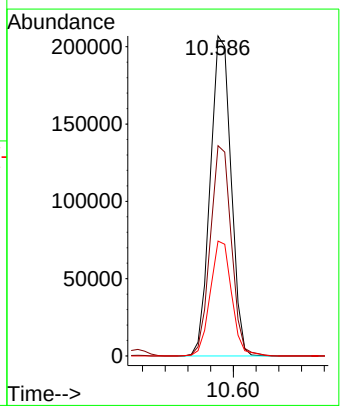


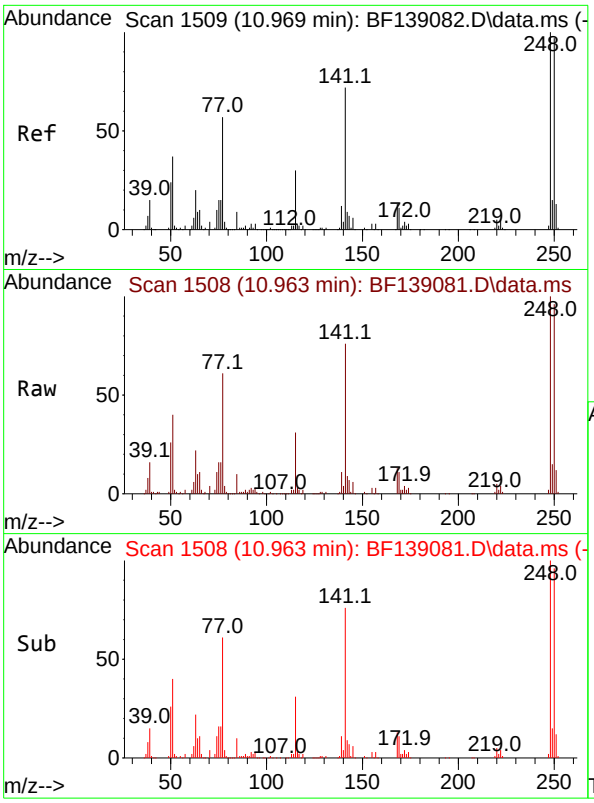


#66
n-Nitrosodiphenylamine
Concen: 20.729 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:169 Resp: 262973

Ion	Ratio	Lower	Upper
169	100		
168	65.7	52.4	78.6
167	35.9	28.6	43.0



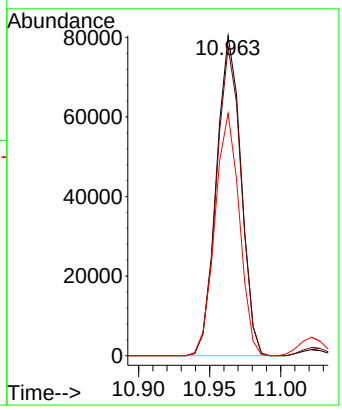


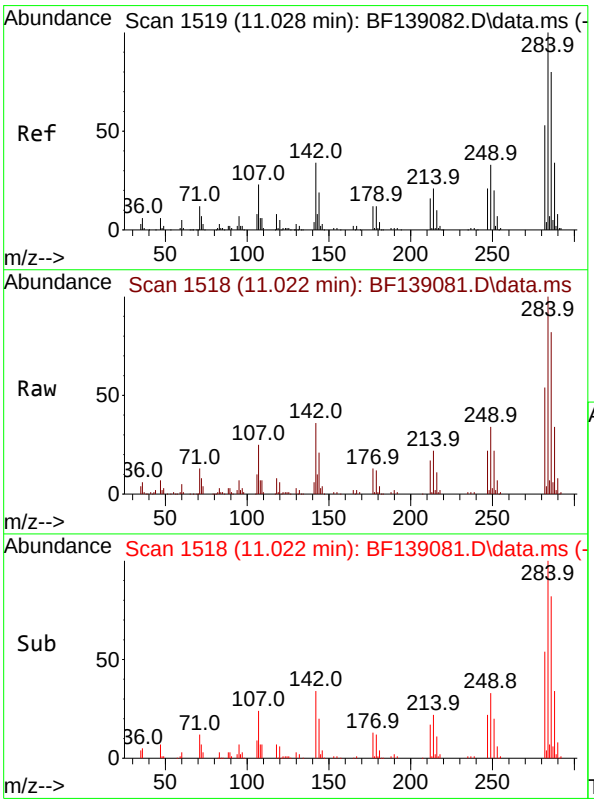
#67
4-Bromophenyl-phenylether
Concen: 21.331 ng
RT: 10.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 96912

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.8	116.8
141	75.7	57.9	86.9

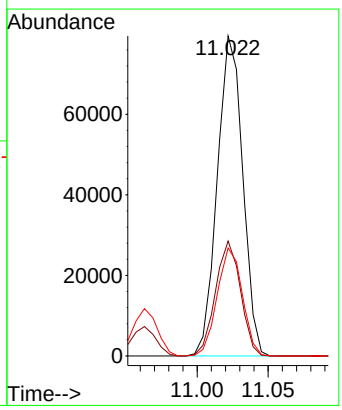


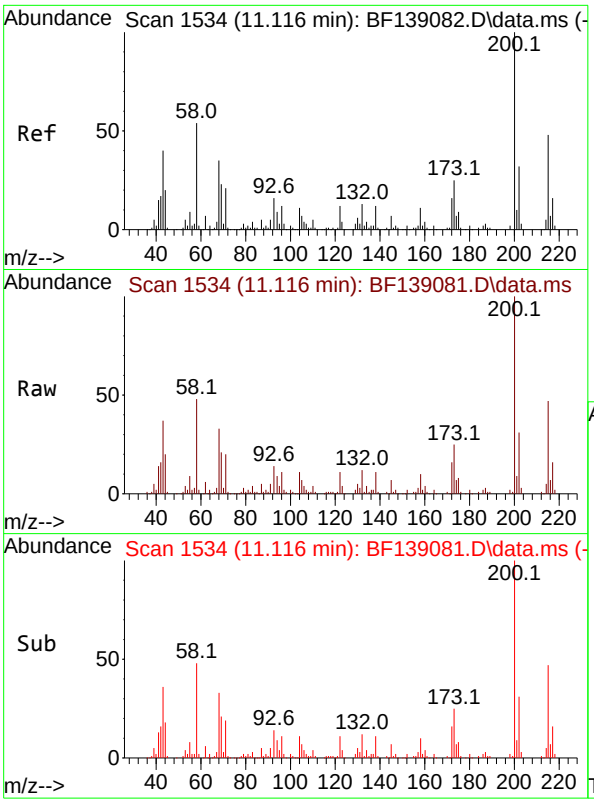


#68
Hexachlorobenzene
Concen: 20.282 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:284 Resp: 98858

Ion	Ratio	Lower	Upper
284	100		
142	35.9	27.1	40.7
249	33.7	26.8	40.2



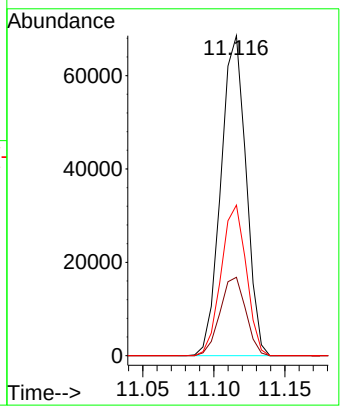


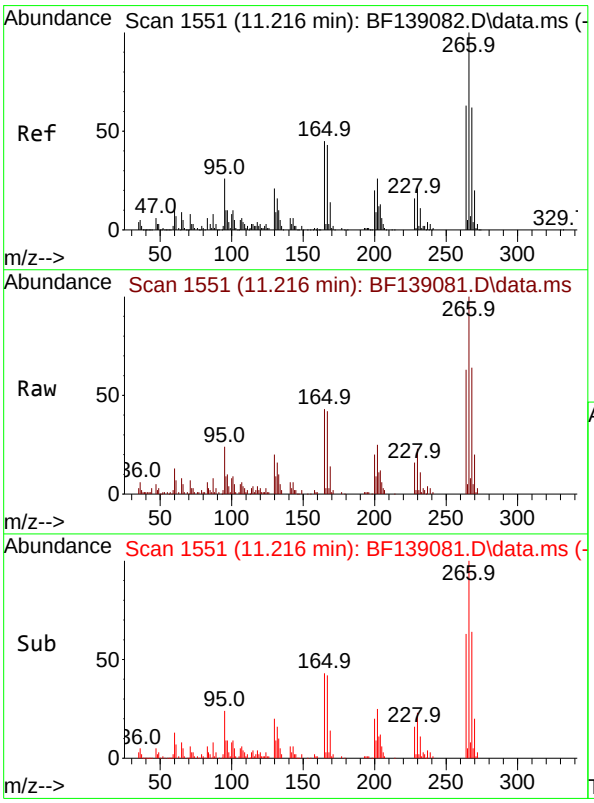
#69
Atrazine
Concen: 21.775 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 84369

Ion	Ratio	Lower	Upper
200	100		
173	24.5	5.2	45.2
215	47.0	27.9	67.9

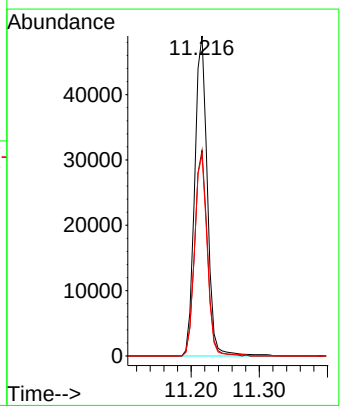


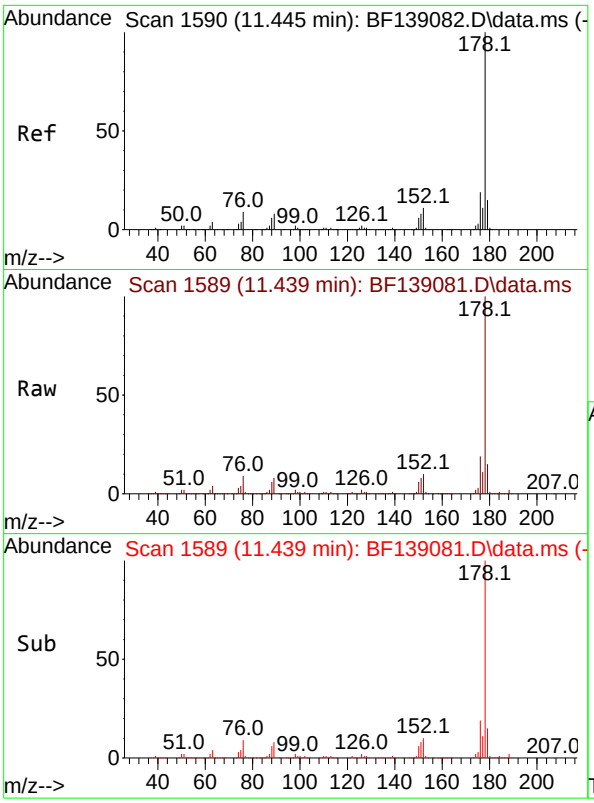


#70
Pentachlorophenol
Concen: 20.219 ng
RT: 11.216 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:266 Resp: 62951

Ion	Ratio	Lower	Upper
266	100		
268	64.2	49.5	74.3
264	62.9	50.0	75.0



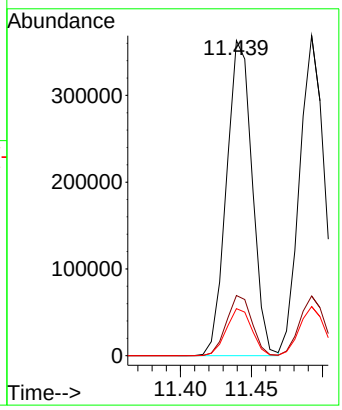


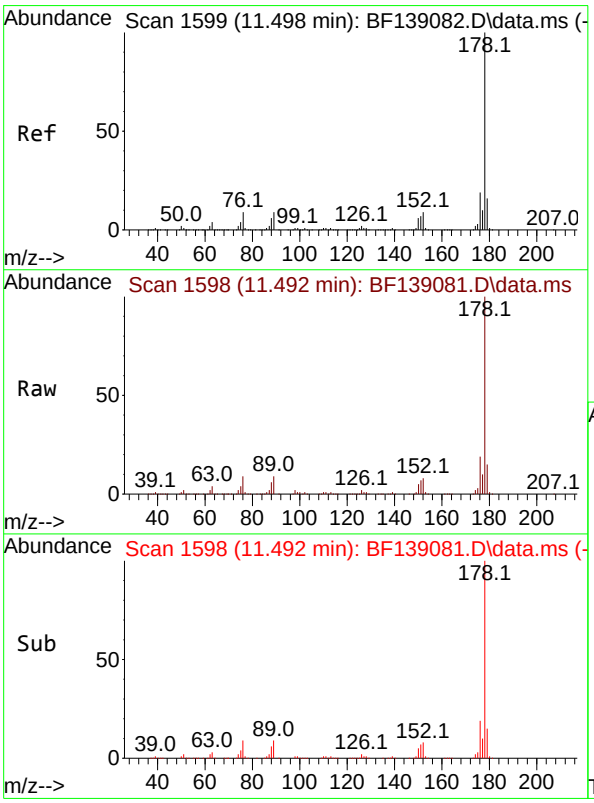
#71
Phenanthrene
Concen: 20.968 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 456936

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	14.9	12.3	18.5

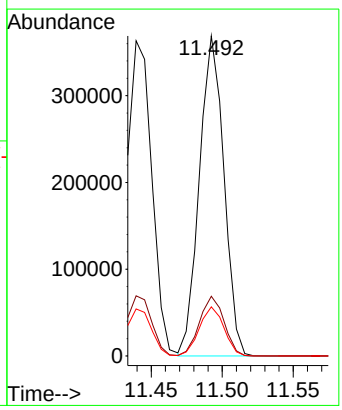


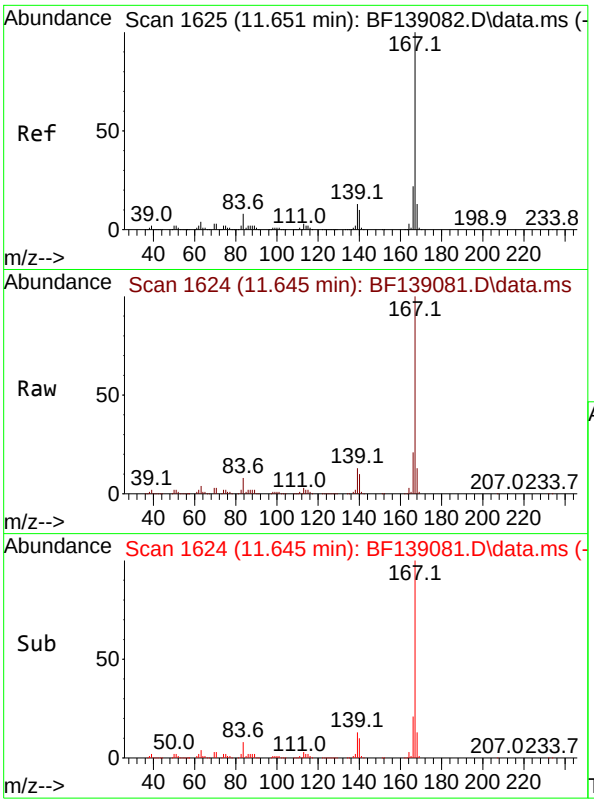


#72
Anthracene
Concen: 20.812 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:178 Resp: 443551

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.4	18.6



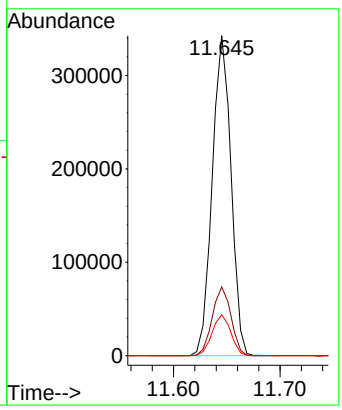


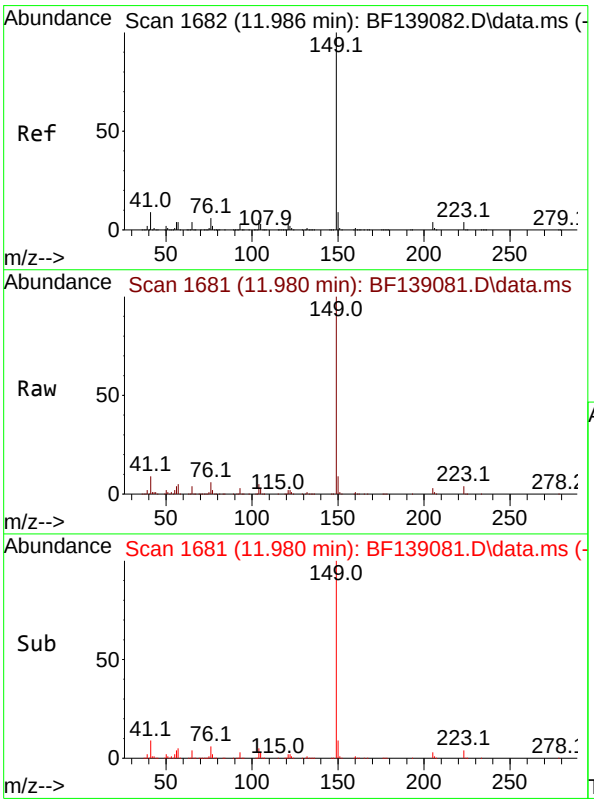
#73
Carbazole
Concen: 21.024 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 418398

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.8	10.5	15.7

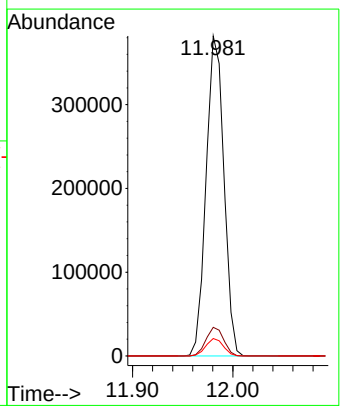


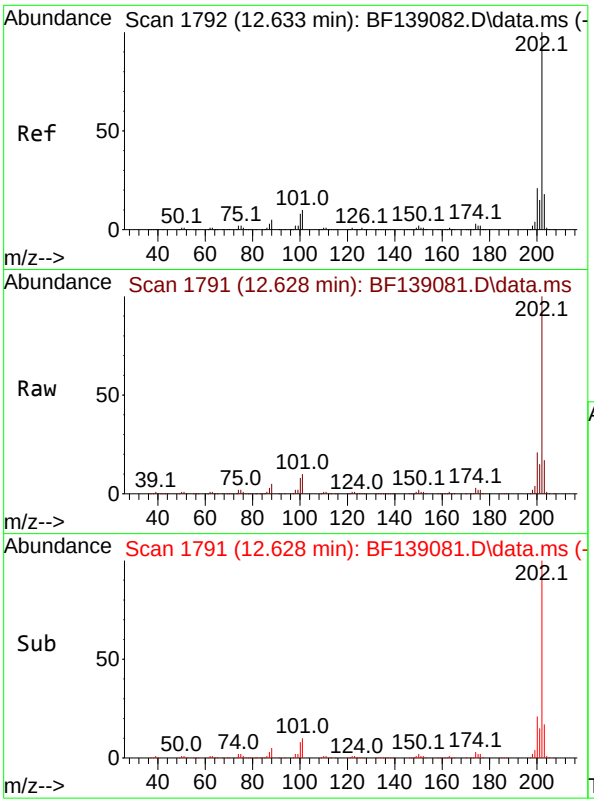


#74
Di-n-butylphthalate
Concen: 20.393 ng
RT: 11.980 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 470595

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.4	4.3	6.5



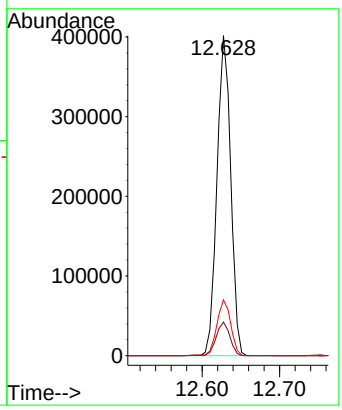


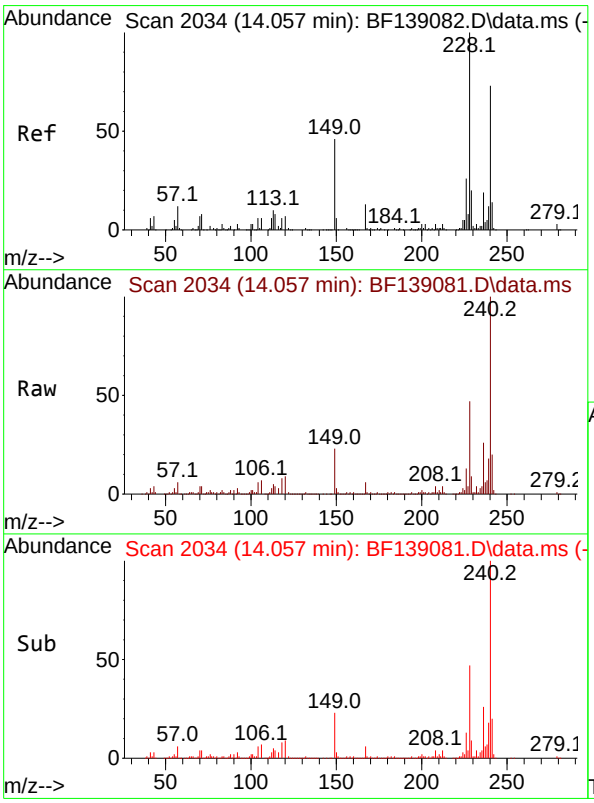
#75
Fluoranthene
Concen: 21.234 ng
RT: 12.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 493896

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.5	0.0	37.6

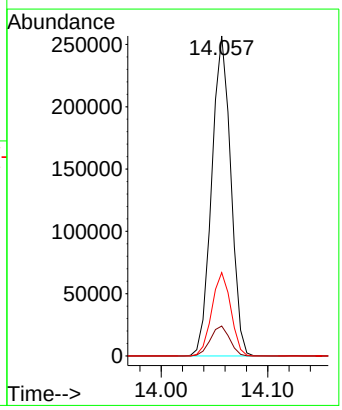


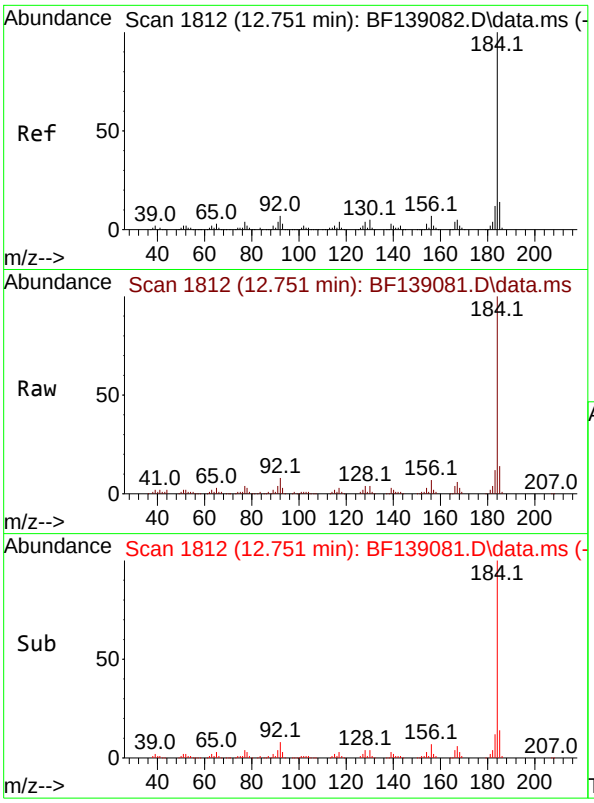


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:240 Resp: 319277

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.8	11.6
236	26.1	20.9	31.3



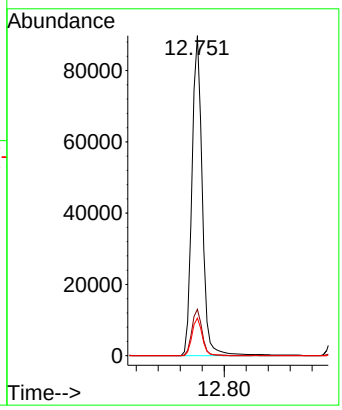


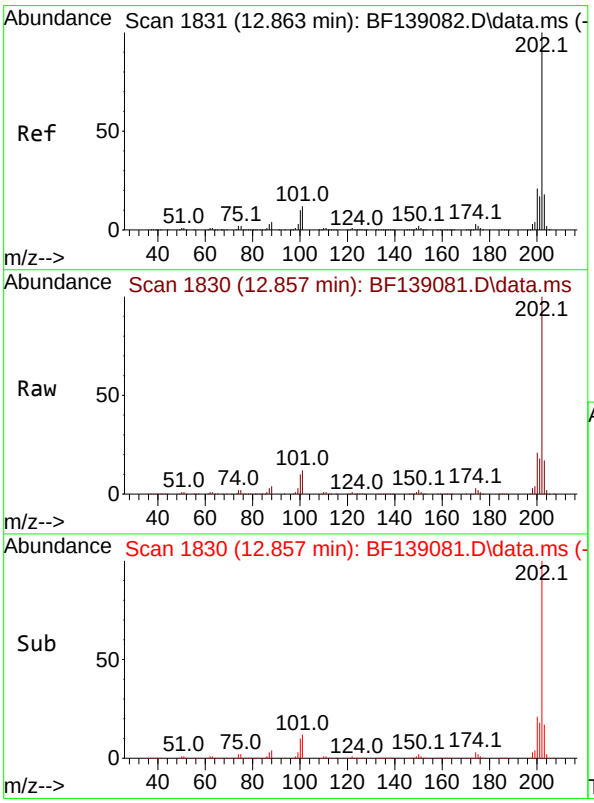
#77
Benzidine
Concen: 17.811 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 117462

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.7	9.8	14.6

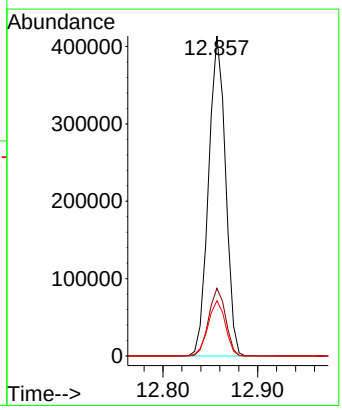


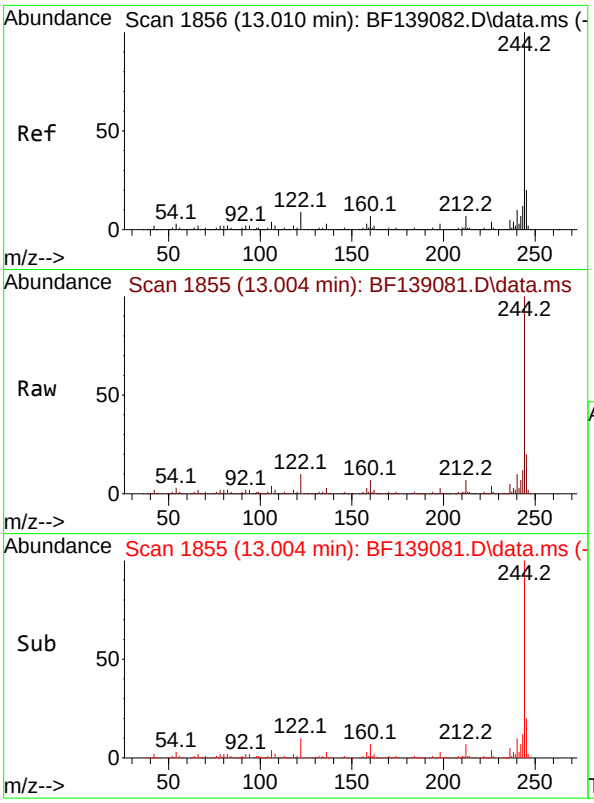


#78
Pyrene
Concen: 19.247 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:202 Resp: 512819

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.2	14.1	21.1



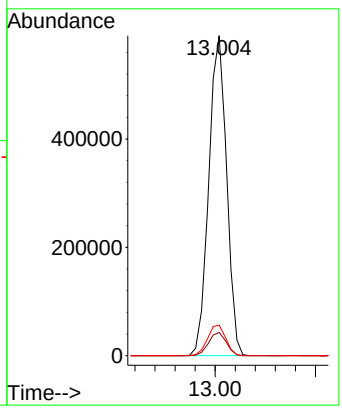


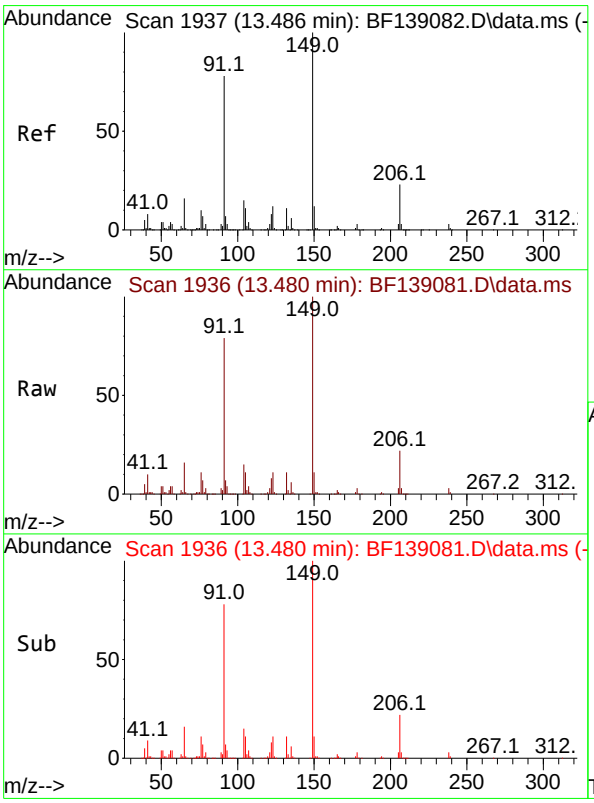
#79
Terphenyl-d14
Concen: 37.954 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 730296

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.6	7.6	11.4

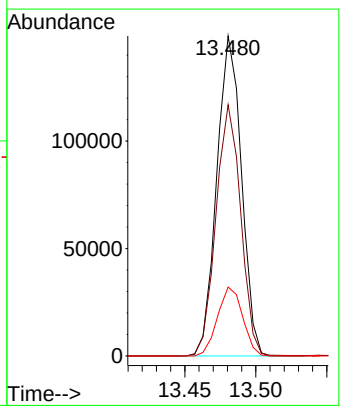


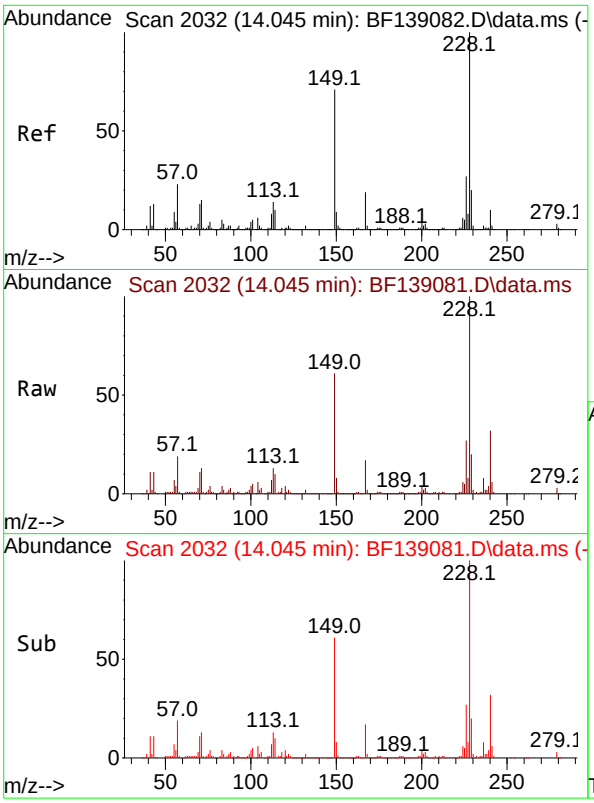


#80
Butylbenzylphthalate
Concen: 19.522 ng
RT: 13.480 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 179950

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.1	93.1
206	21.5	18.0	27.0



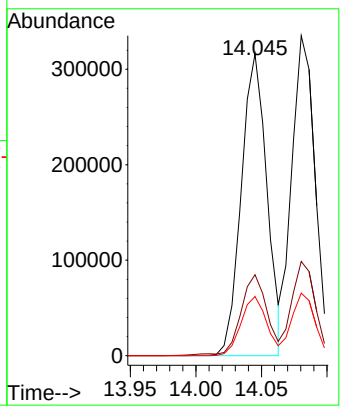


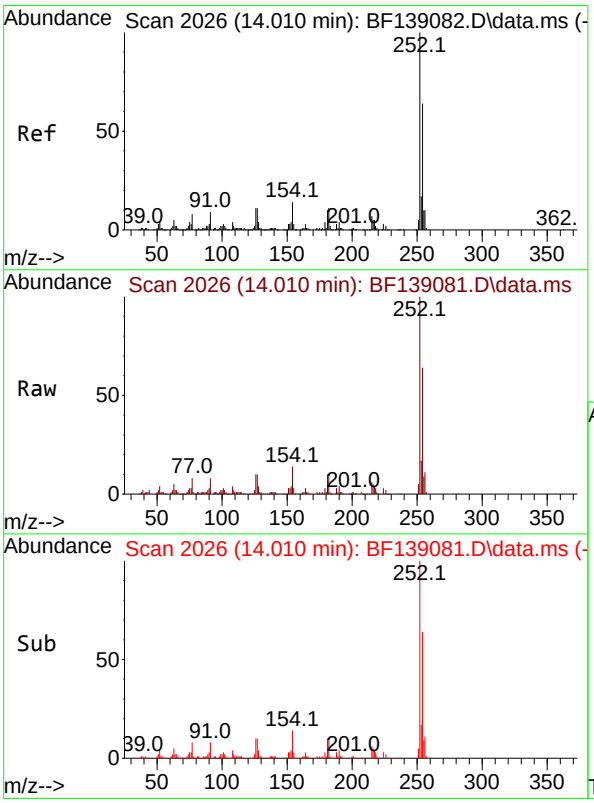
#81
Benzo(a)anthracene
Concen: 20.483 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 429888

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.6	16.1	24.1

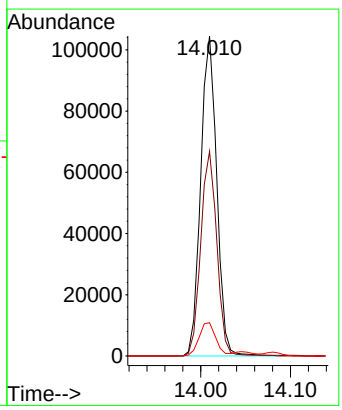


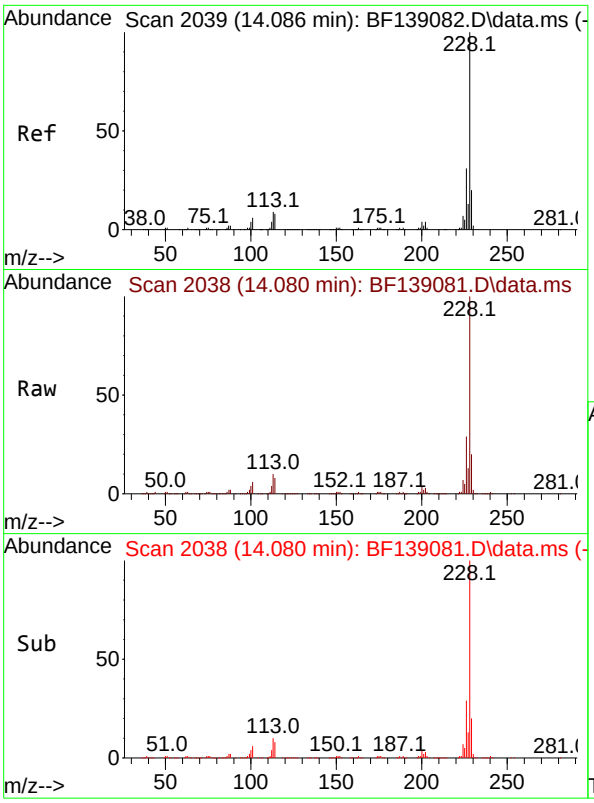


#82
3,3'-Dichlorobenzidine
Concen: 22.160 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:252 Resp: 130003

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.4	77.0
126	10.4	8.6	12.8



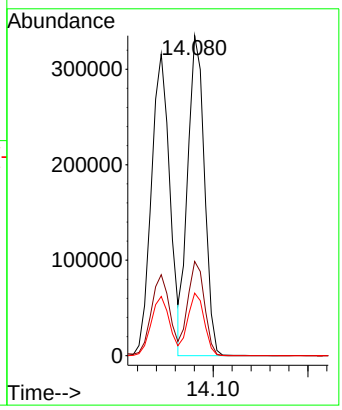


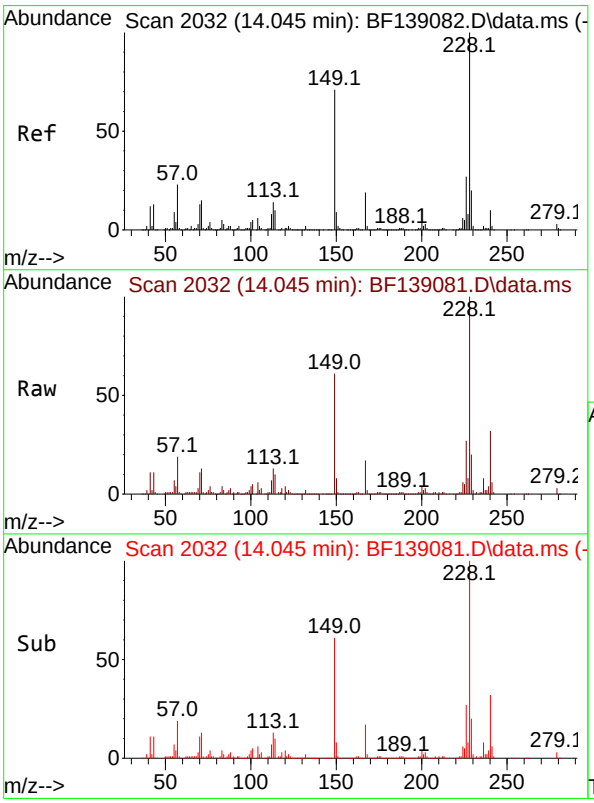
#83
Chrysene
Concen: 21.621 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 411307

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	19.6	15.8	23.8

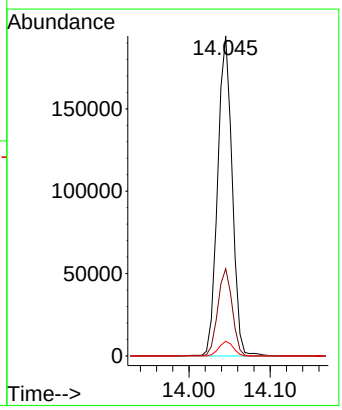


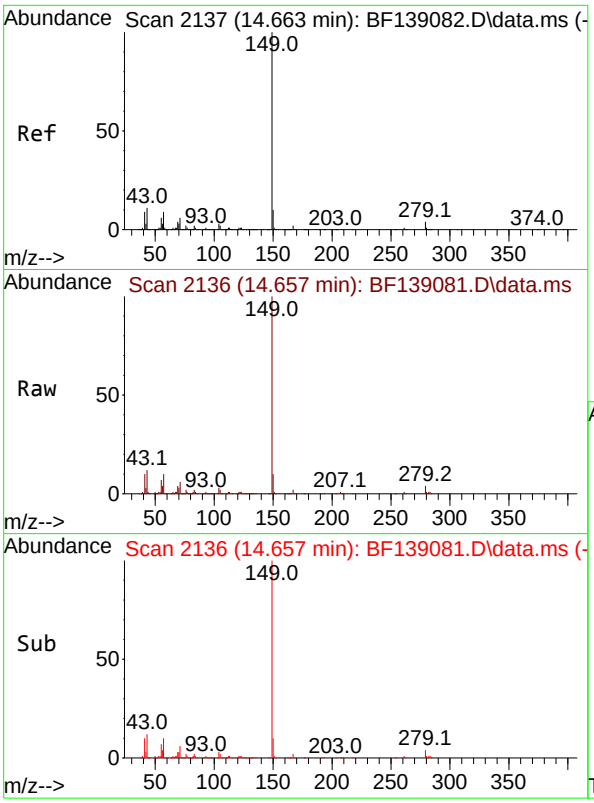


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.767 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:149 Resp: 241559

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.6
279	4.6	3.5	5.3



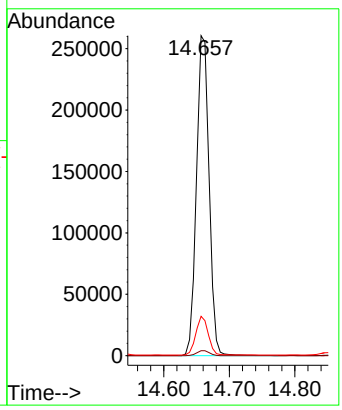


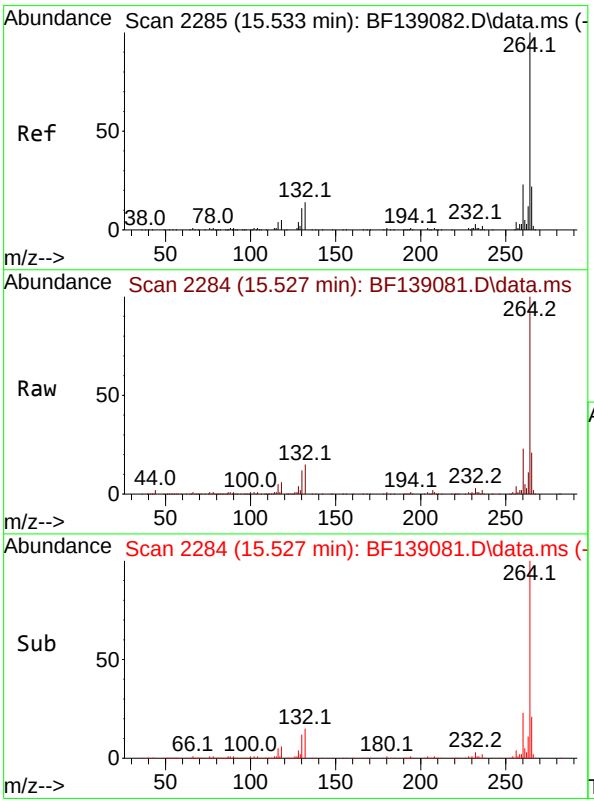
#85
Di-n-octyl phthalate
Concen: 20.366 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 349298

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.6	14.4

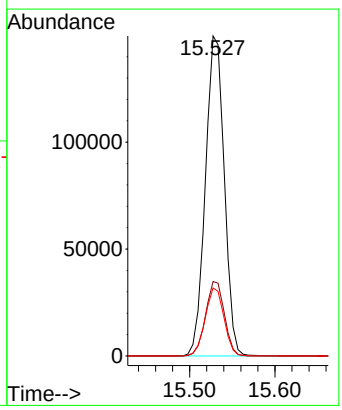


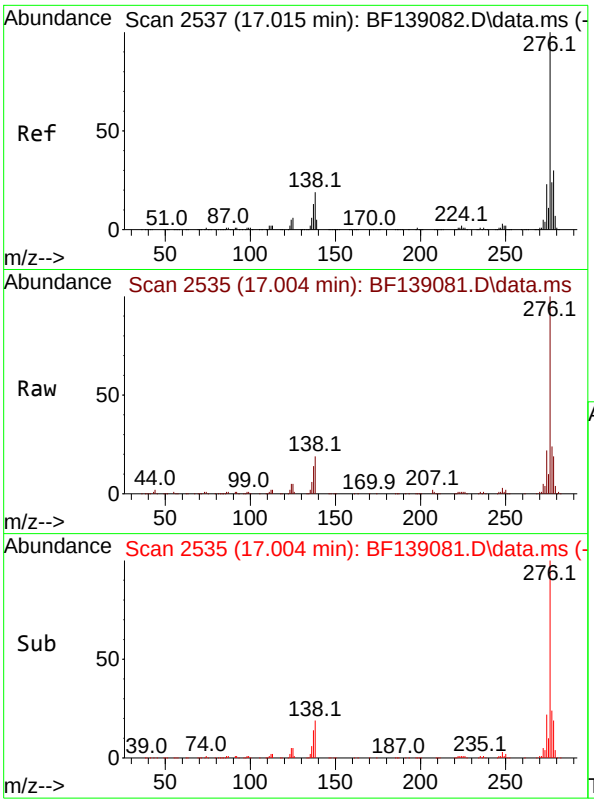


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:264 Resp: 230136

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.2	17.4	26.2



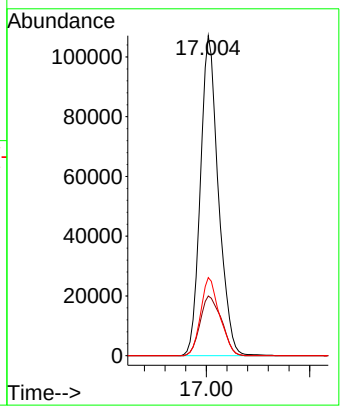


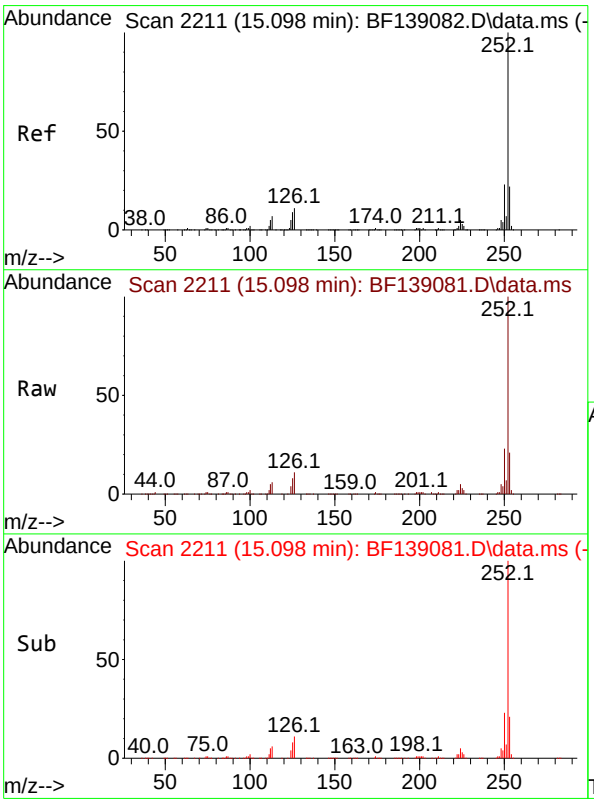
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.208 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 258712

Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.3	25.9
277	25.5	20.2	30.4

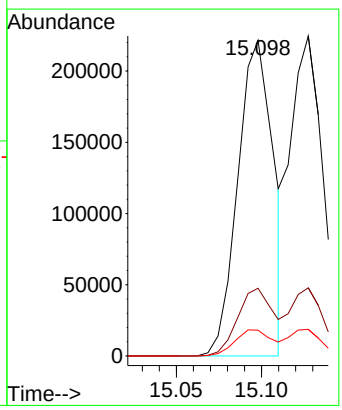


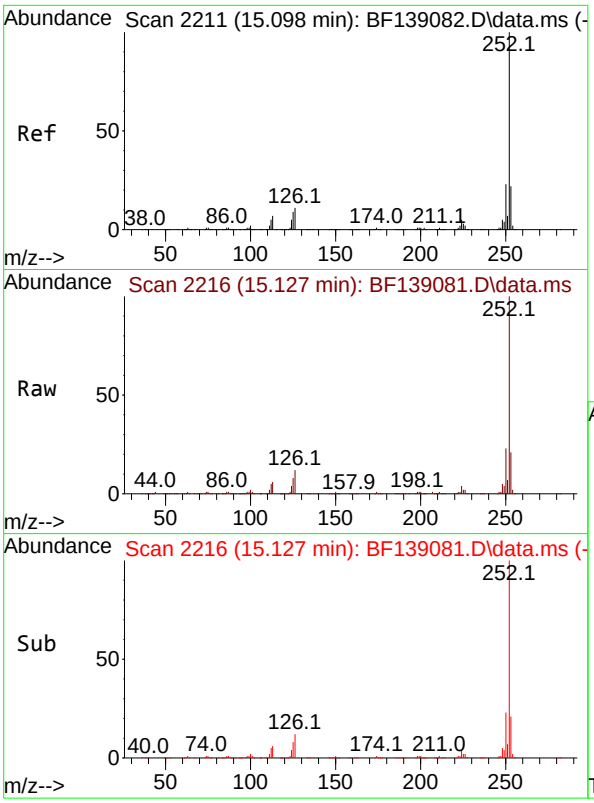


#88
Benzo(b)fluoranthene
Concen: 21.317 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:252 Resp: 319834

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.2	7.0	10.6



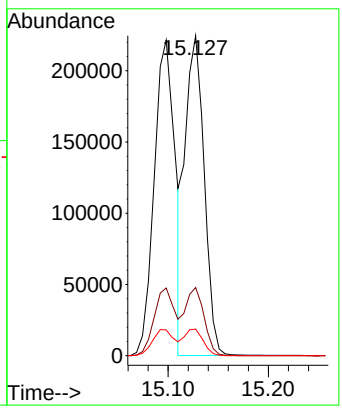


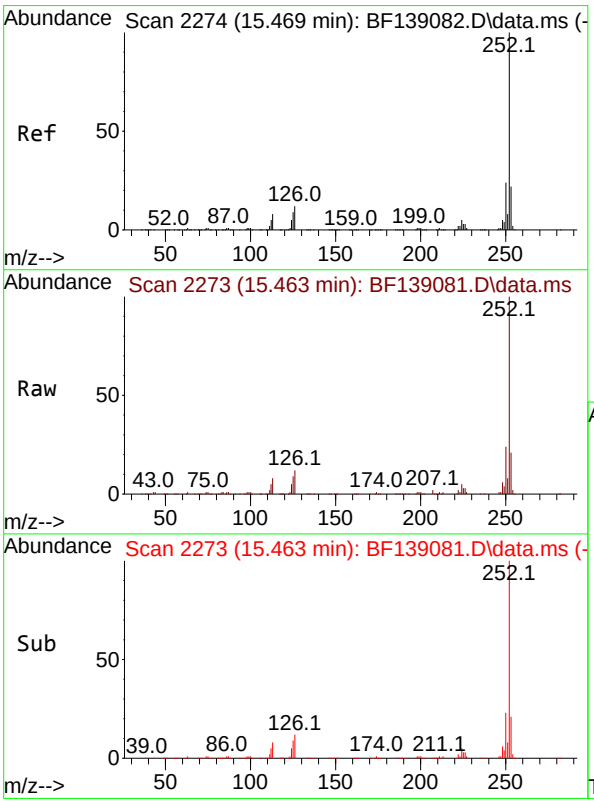
#89
Benzo(k)fluoranthene
Concen: 23.725 ng
RT: 15.127 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 296462

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	8.3	7.0	10.6

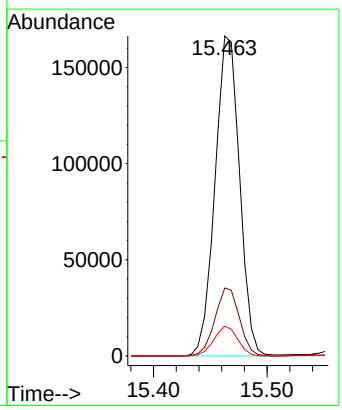


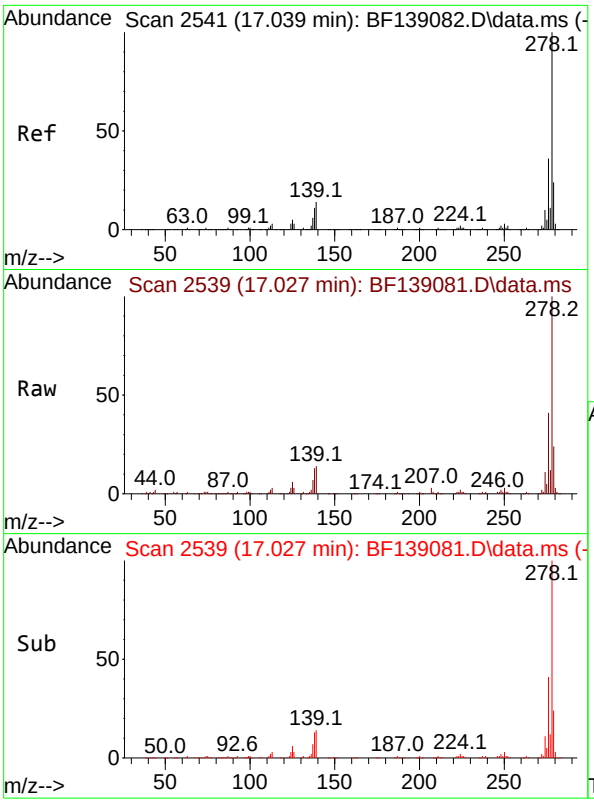


#90
Benzo(a)pyrene
Concen: 21.094 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:252 Resp: 250079

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	9.3	7.4	11.2



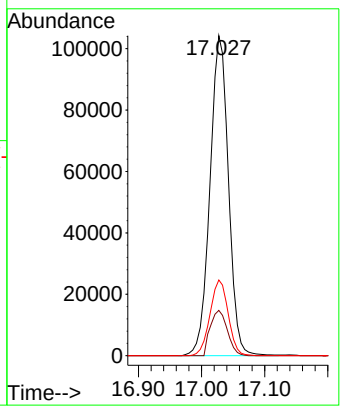


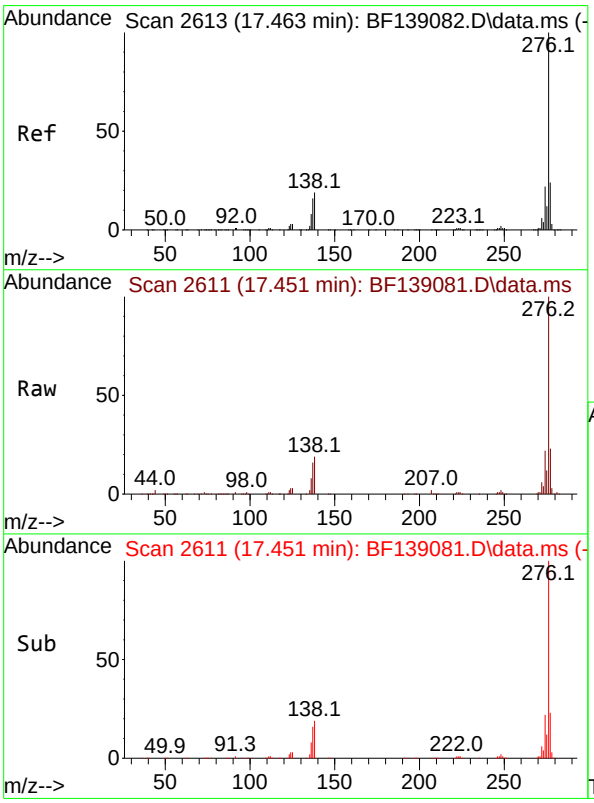
#91
Dibenzo(a,h)anthracene
Concen: 19.194 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 212214

Ion	Ratio	Lower	Upper
278	100		
139	14.1	10.8	16.2
279	23.6	19.2	28.8

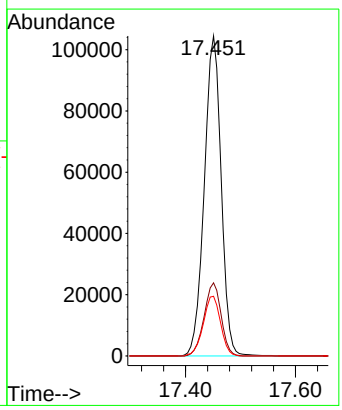




#92
Benzo(g,h,i)perylene
Concen: 19.397 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF139081.D
Acq: 20 Aug 2024 18:40

Tgt Ion:276 Resp: 222690

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	18.7	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139082.D
Acq On : 20 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.899	152	116386	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	419218	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	240364	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	434981	20.000	ng	0.00
76) Chrysene-d12	14.057	240	276906	20.000	ng	0.00
86) Perylene-d12	15.533	264	215524	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	570519	75.418	ng	0.00
7) Phenol-d6	6.522	99	750326	76.762	ng	0.00
23) Nitrobenzene-d5	7.463	82	603508	83.886	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	182810	84.013	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1160846	76.626	ng	0.00
79) Terphenyl-d14	13.010	244	1342629	80.454	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	128717	39.671	ng	100
3) Pyridine	3.440	79	316890	38.434	ng	100
4) n-Nitrosodimethylamine	3.399	42	184710	37.084	ng	100
6) Aniline	6.557	93	351788	39.867	ng	100
8) 2-Chlorophenol	6.681	128	277899	38.193	ng	100
9) Benzaldehyde	6.446	77	214301	37.382	ng	100
10) Phenol	6.534	94	397897	39.123	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	293529	36.025	ng	100
12) 1,3-Dichlorobenzene	6.840	146	333826	38.159	ng	100
13) 1,4-Dichlorobenzene	6.916	146	335105	38.312	ng	100
14) 1,2-Dichlorobenzene	7.069	146	312202	39.055	ng	100
15) Benzyl Alcohol	7.034	79	297924	38.564	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	430526	37.367	ng	100
17) 2-Methylphenol	7.146	107	239599	38.491	ng	100
18) Hexachloroethane	7.410	117	117917	38.445	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	233952	36.446	ng	100
20) 3+4-Methylphenols	7.298	107	313893	38.920	ng	100
22) Acetophenone	7.310	105	422626	39.483	ng	100
24) Nitrobenzene	7.481	77	331465	41.450	ng	100
25) Isophorone	7.716	82	601123	39.311	ng	100
26) 2-Nitrophenol	7.793	139	98825	36.903	ng	100
27) 2,4-Dimethylphenol	7.828	122	186706	38.504	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	343887	38.488	ng	100
29) 2,4-Dichlorophenol	8.034	162	240567	39.822	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	277308	39.203	ng	100
31) Naphthalene	8.204	128	835988	39.352	ng	100
32) Benzoic acid	7.940	122	139727	36.768	ng	100
33) 4-Chloroaniline	8.251	127	290750	39.963	ng	100
34) Hexachlorobutadiene	8.322	225	180774	39.122	ng	100
35) Caprolactam	8.622	113	77537m	40.489	ng	
36) 4-Chloro-3-methylphenol	8.722	107	267245	39.954	ng	100
37) 2-Methylnaphthalene	8.893	142	527747	38.730	ng	100
38) 1-Methylnaphthalene	8.992	142	514197	39.099	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	269439	40.765	ng	100
41) Hexachlorocyclopentadiene	9.045	237	102806	40.649	ng	100
43) 2,4,6-Trichlorophenol	9.163	196	171113	38.532	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139082.D
Acq On : 20 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	185362	40.665	ng	100
46) 1,1'-Biphenyl	9.357	154	660652	40.124	ng	100
47) 2-Chloronaphthalene	9.381	162	522686	39.068	ng	100
48) 2-Nitroaniline	9.475	65	137098	37.198	ng	100
49) Acenaphthylene	9.798	152	762771	39.800	ng	100
50) Dimethylphthalate	9.657	163	594327	40.051	ng	100
51) 2,6-Dinitrotoluene	9.716	165	113541	39.074	ng	100
52) Acenaphthene	9.969	154	493605	38.990	ng	100
53) 3-Nitroaniline	9.887	138	115650	39.235	ng	100
54) 2,4-Dinitrophenol	9.987	184	34457	39.125	ng	100
55) Dibenzofuran	10.139	168	729666	39.681	ng	100
56) 4-Nitrophenol	10.034	139	93512	41.690	ng	100
57) 2,4-Dinitrotoluene	10.116	165	139133	38.524	ng	100
58) Fluorene	10.481	166	574597	39.101	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	150640	41.159	ng	100
60) Diethylphthalate	10.357	149	587596	39.964	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	283265	38.596	ng	100
62) 4-Nitroaniline	10.498	138	117372	39.267	ng	100
63) Azobenzene	10.639	77	641100	39.237	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	55664	38.689	ng	100
66) n-Nitrosodiphenylamine	10.592	169	496856	38.604	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	179972	39.046	ng	100
68) Hexachlorobenzene	11.028	284	191471	38.721	ng	100
69) Atrazine	11.116	200	128290	32.637	ng	100
70) Pentachlorophenol	11.216	266	129718	41.067	ng	100
71) Phenanthrene	11.445	178	841782	38.074	ng	100
72) Anthracene	11.498	178	829107	38.345	ng	100
73) Carbazole	11.651	167	775601	38.414	ng	100
74) Di-n-butylphthalate	11.986	149	886730	37.876	ng	100
75) Fluoranthene	12.633	202	913112	38.695	ng	100
77) Benzidine	12.751	184	279676	48.896	ng	100
78) Pyrene	12.863	202	934909	40.458	ng	100
80) Butylbenzylphthalate	13.486	149	337836	42.258	ng	100
81) Benzo(a)anthracene	14.045	228	720739	39.595	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	193070	37.946	ng	100
83) Chrysene	14.086	228	638450	38.696	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	431238	40.689	ng	100
85) Di-n-octyl phthalate	14.663	149	570241	38.335	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	559590	44.364	ng	100
88) Benzo(b)fluoranthene	15.098	252	541644	38.549	ng	100
89) Benzo(k)fluoranthene	15.133	252	463624	39.617	ng	99
90) Benzo(a)pyrene	15.469	252	437250	39.383	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	464705	44.880	ng	100
92) Benzo(g,h,i)perylene	17.463	276	476605	40.737	ng	100

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

ICAL Form

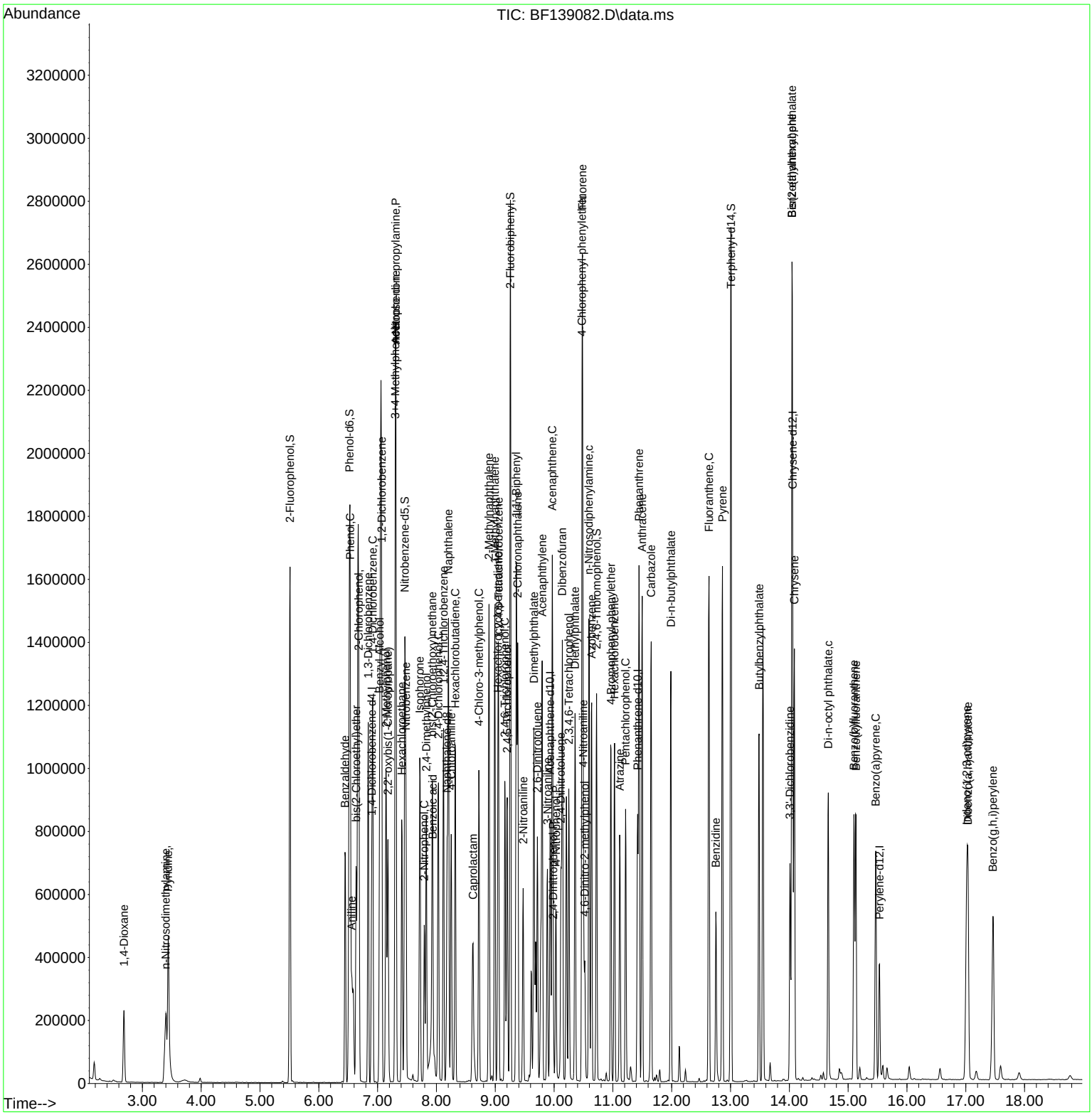
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139082.D
Acq On : 20 Aug 2024 19:10
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

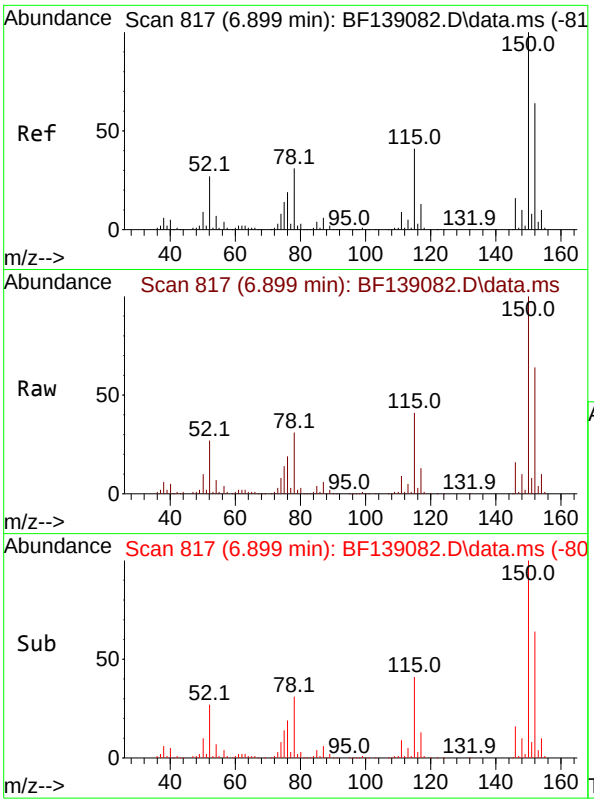
Quant Time: Aug 21 01:15:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

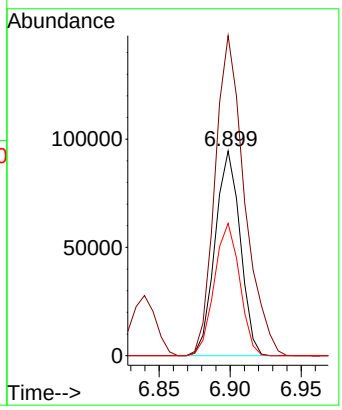




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.899 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:152 Resp: 11638

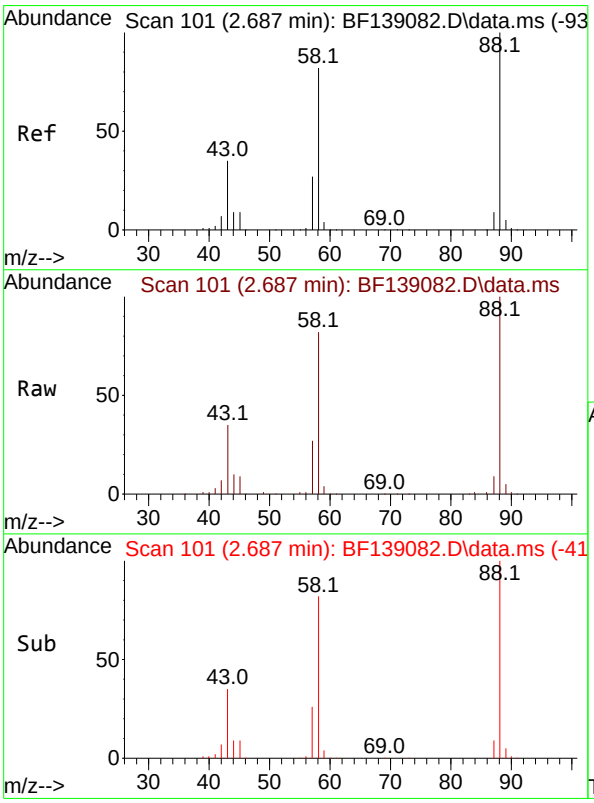
Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.1	187.7
115	64.7	51.8	77.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

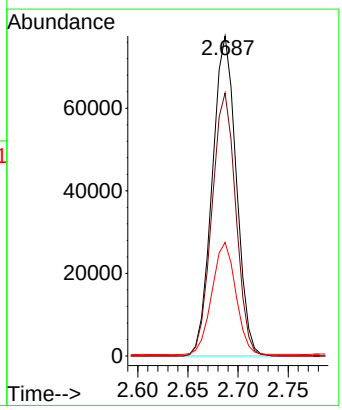
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

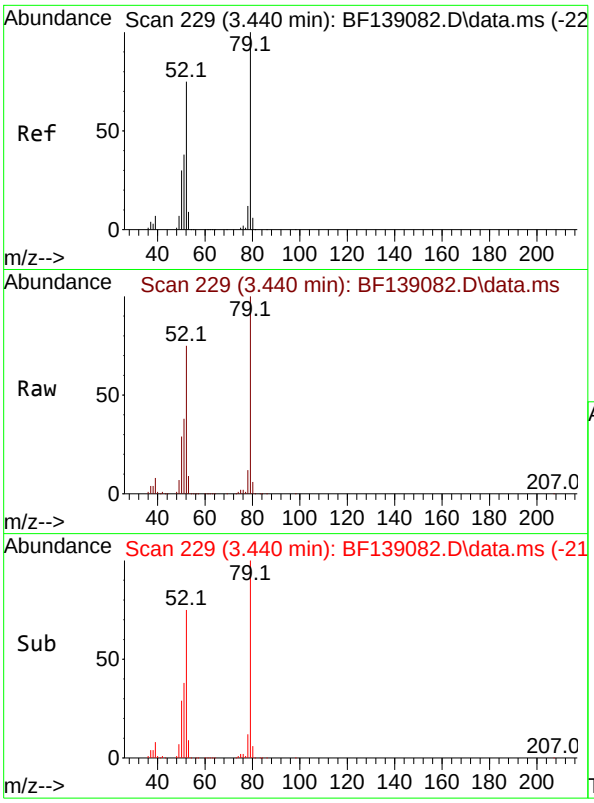


#2
1,4-Dioxane
Concen: 39.671 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 88 Resp: 128717

Ion	Ratio	Lower	Upper
88	100		
58	81.7	65.4	98.0
43	34.9	27.9	41.9

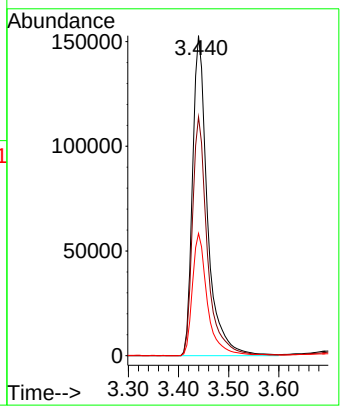




#3
Pyridine
Concen: 38.434 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 79 Resp: 31689

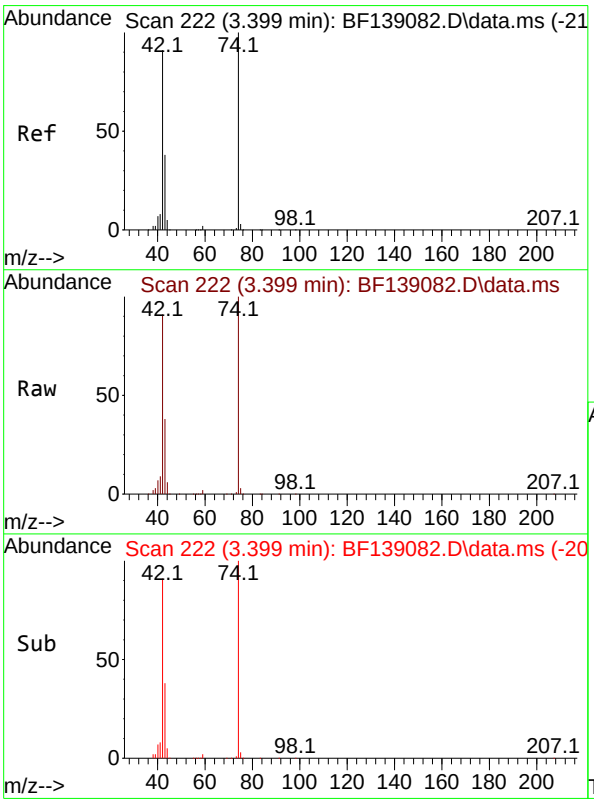
Ion	Ratio	Lower	Upper
79	100		
52	74.6	59.7	89.5
51	38.2	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

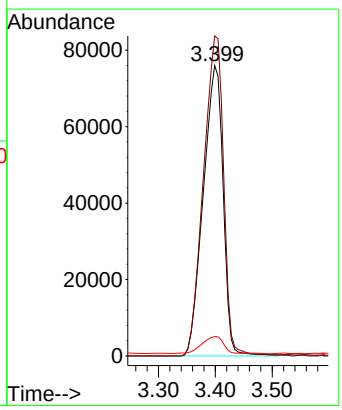
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

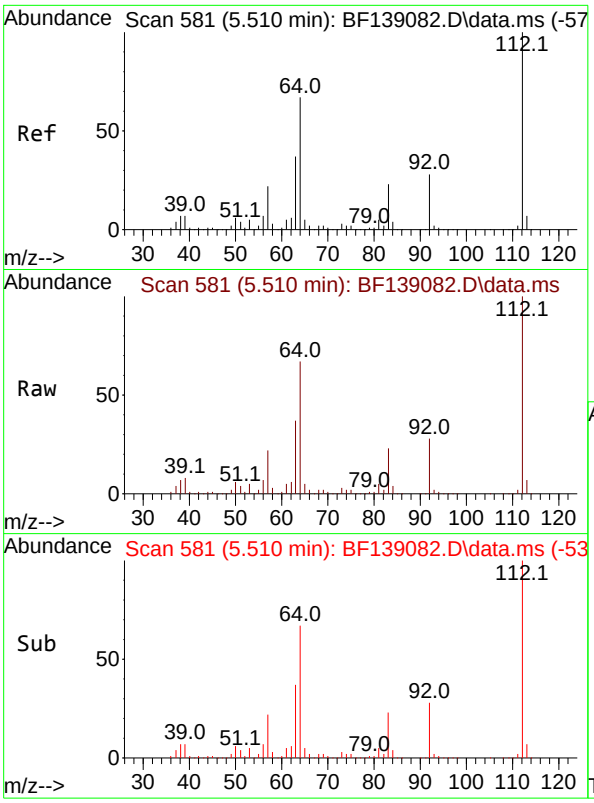


#4
n-Nitrosodimethylamine
Concen: 37.084 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 42 Resp: 184710

Ion	Ratio	Lower	Upper
42	100		
74	110.2	88.2	132.2
44	6.7	5.4	8.0

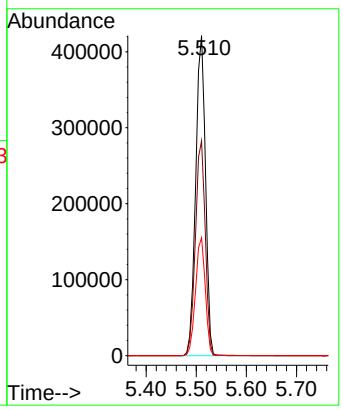




#5
2-Fluorophenol
Concen: 75.418 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:112 Resp: 57051

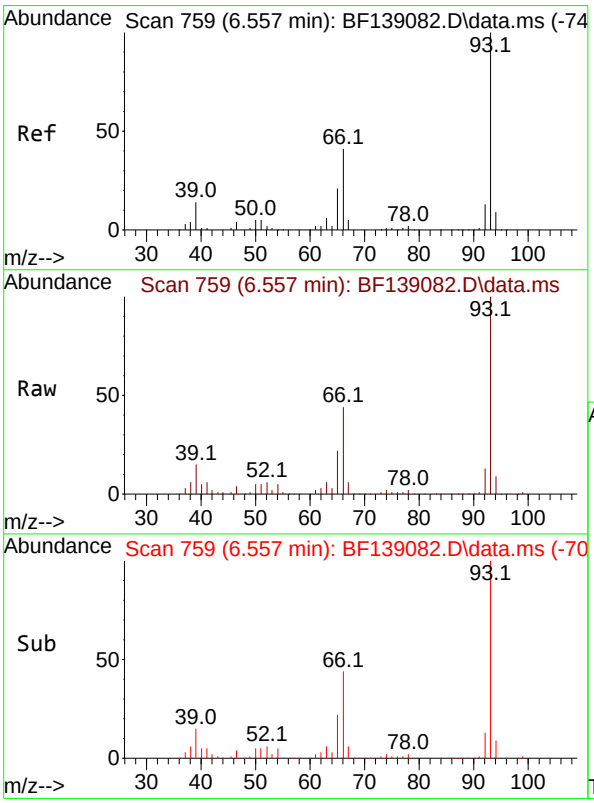
Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.8	80.6
63	36.8	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

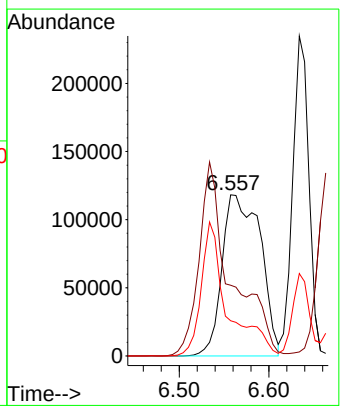
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

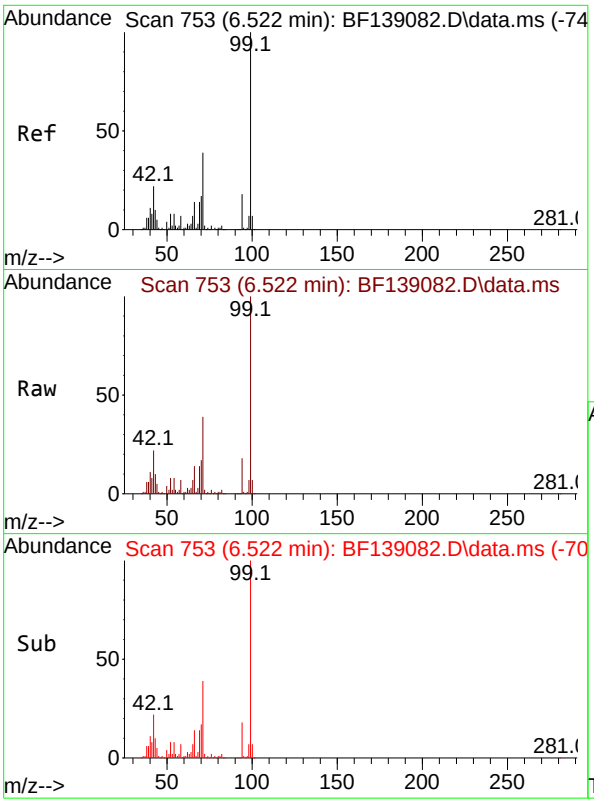


#6
Aniline
Concen: 39.867 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 93 Resp: 351788

Ion	Ratio	Lower	Upper
93	100		
66	43.9	35.1	52.7
65	21.8	17.4	26.2

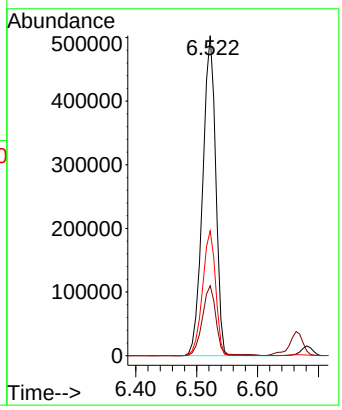




#7
Phenol-d6
Concen: 76.762 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 99 Resp: 75032

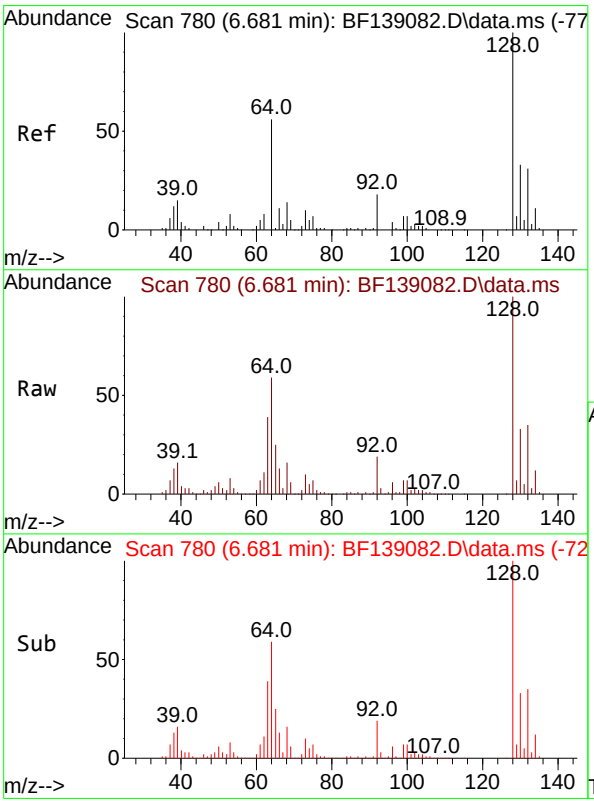
Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.4	26.2
71	39.0	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

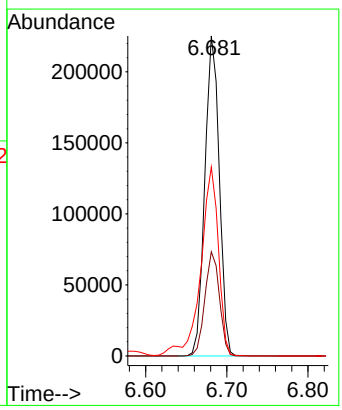
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

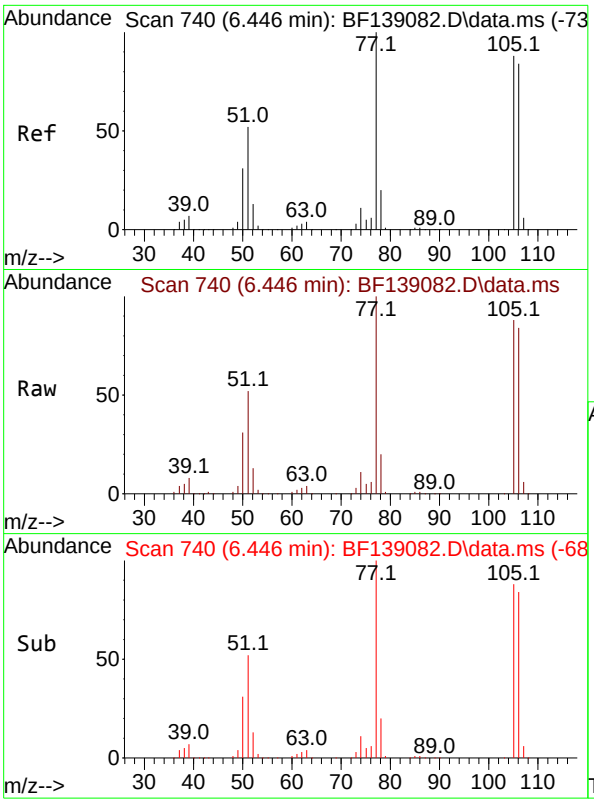


#8
2-Chlorophenol
Concen: 38.193 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:128 Resp: 277899

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	59.1	39.1	79.1





#9
Benzaldehyde
Concen: 37.382 ng
RT: 6.446 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 21430

Ion	Ratio	Lower	Upper
77	100		
105	88.2	68.2	108.2
106	83.8	63.8	103.8

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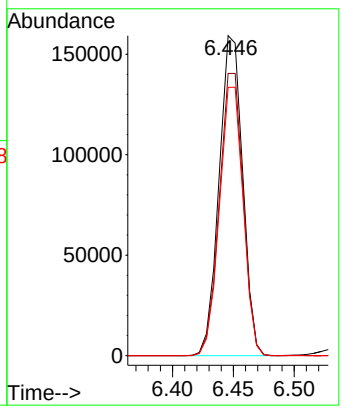
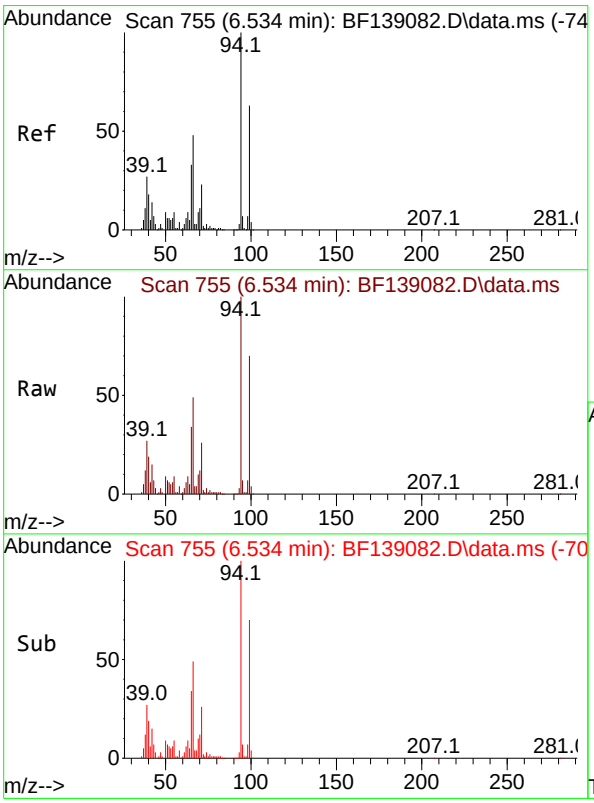
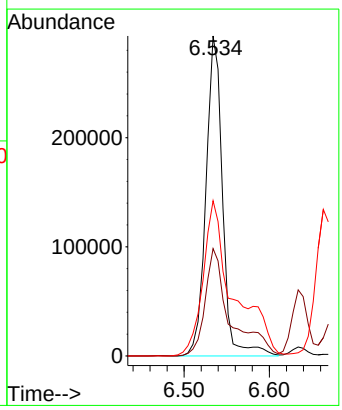


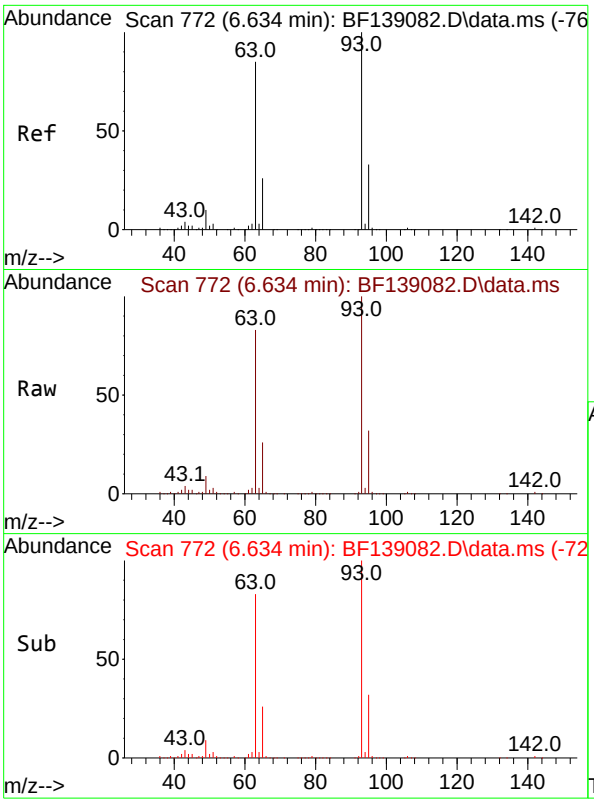


#10
Phenol
Concen: 39.123 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 94 Resp: 397897

Ion	Ratio	Lower	Upper
94	100		
65	33.5	13.5	53.5
66	48.5	28.5	68.5

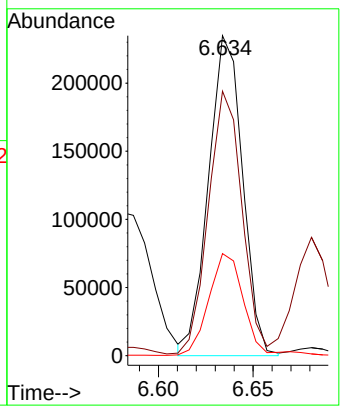




#11
bis(2-Chloroethyl)ether
Concen: 36.025 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 93 Resp: 29352

Ion	Ratio	Lower	Upper
93	100		
63	82.7	62.7	102.7
95	31.9	11.9	51.9



Instrument :
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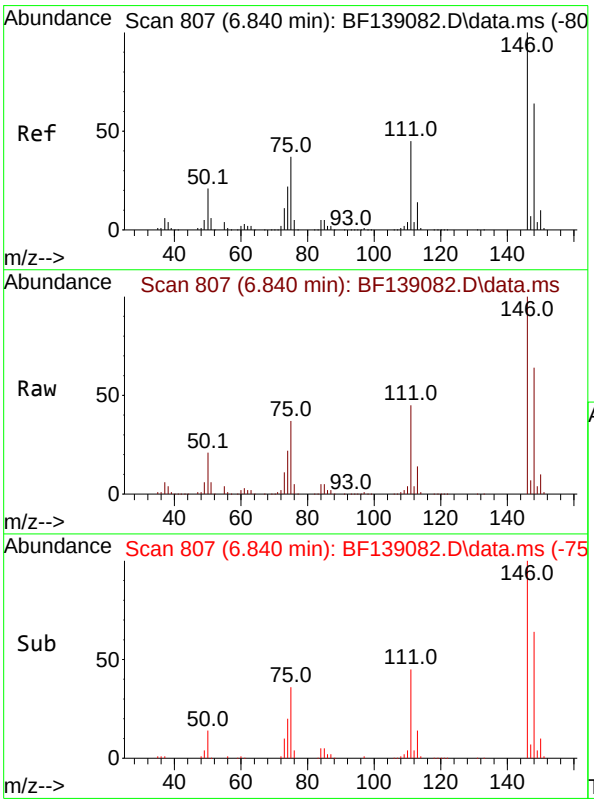
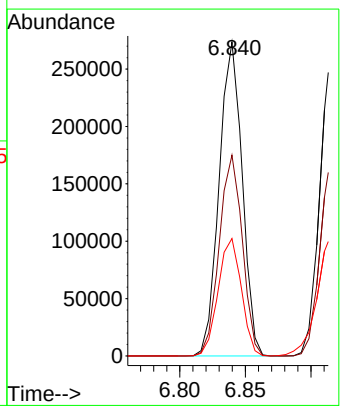
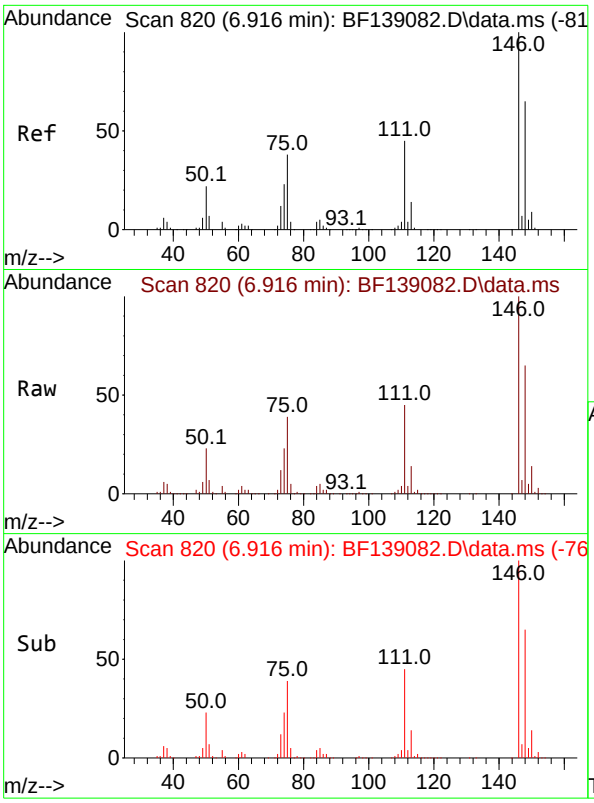


#12
1,3-Dichlorobenzene
Concen: 38.159 ng
RT: 6.840 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:146 Resp: 333826

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	37.4	29.9	44.9





#13
1,4-Dichlorobenzene
Concen: 38.312 ng
RT: 6.916 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:146 Resp: 33510

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	44.7	35.8	53.6

Instrument :
BNA_F
ClientSampleId :
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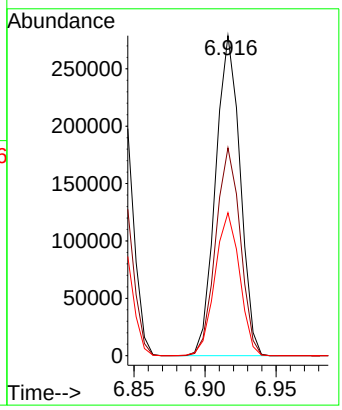
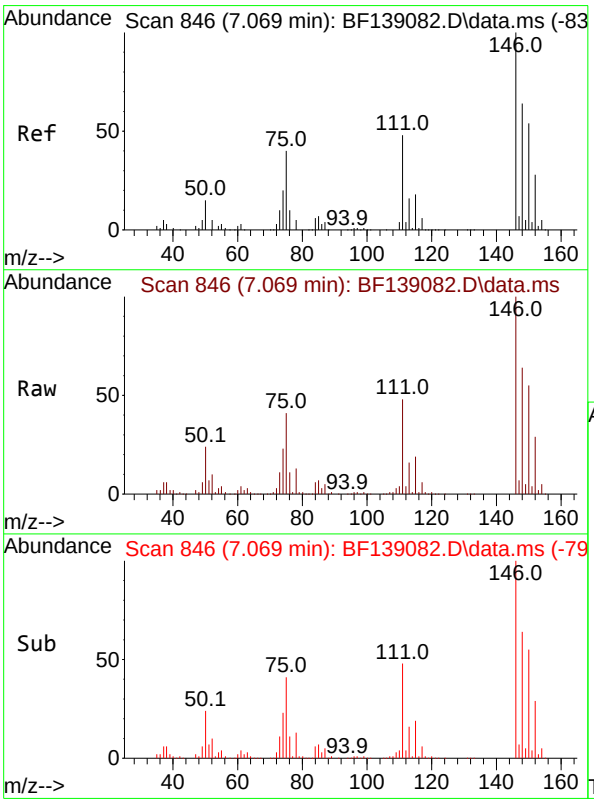
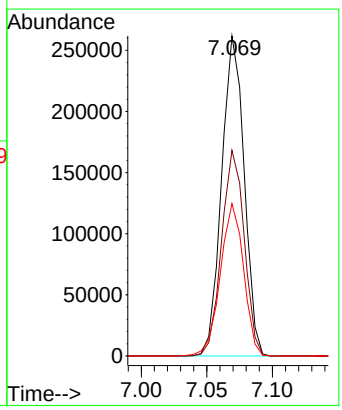


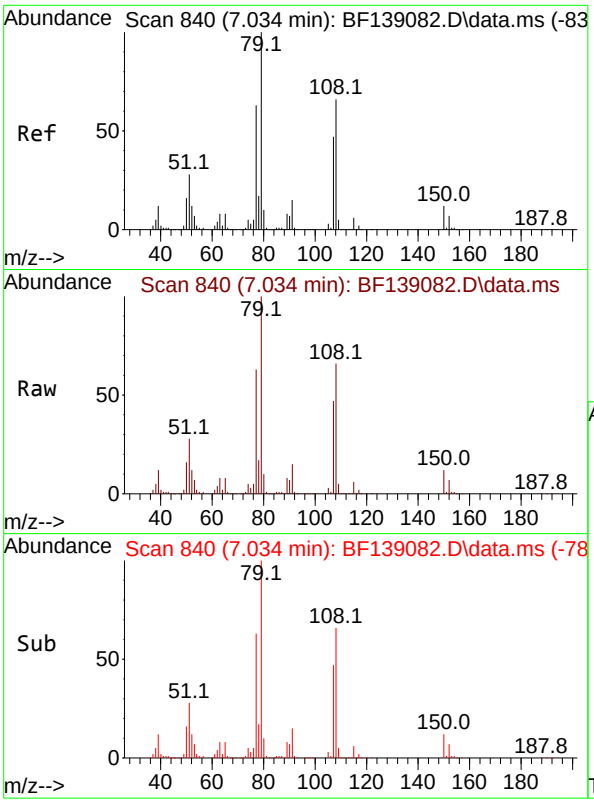


#14
1,2-Dichlorobenzene
Concen: 39.055 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:146 Resp: 312202

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	47.6	38.1	57.1





#15
Benzyl Alcohol
Concen: 38.564 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 79 Resp: 29792

Ion	Ratio	Lower	Upper
79	100		
108	66.0	52.8	79.2
77	63.3	50.6	76.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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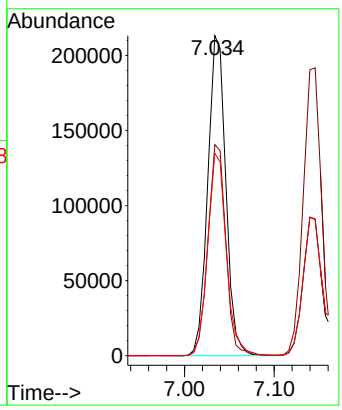
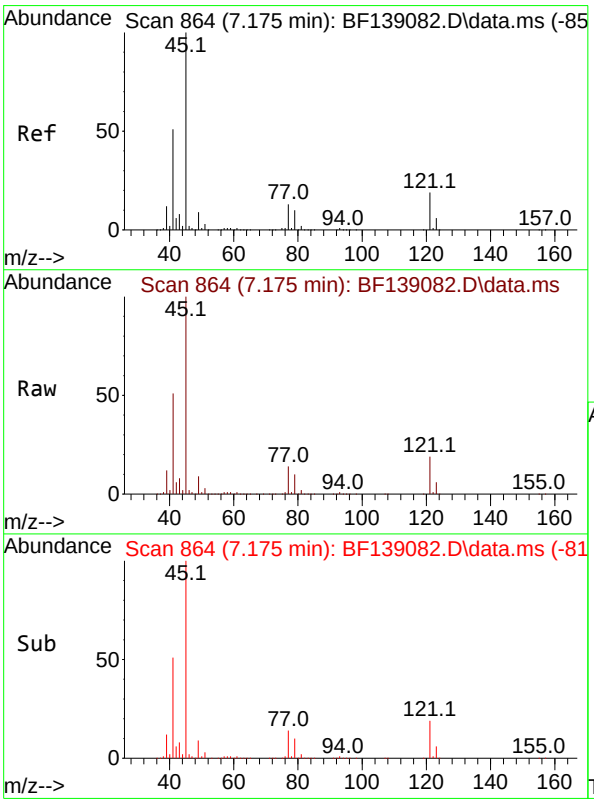
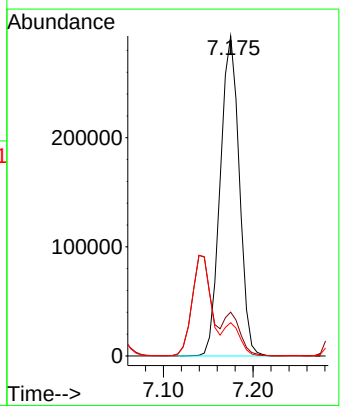


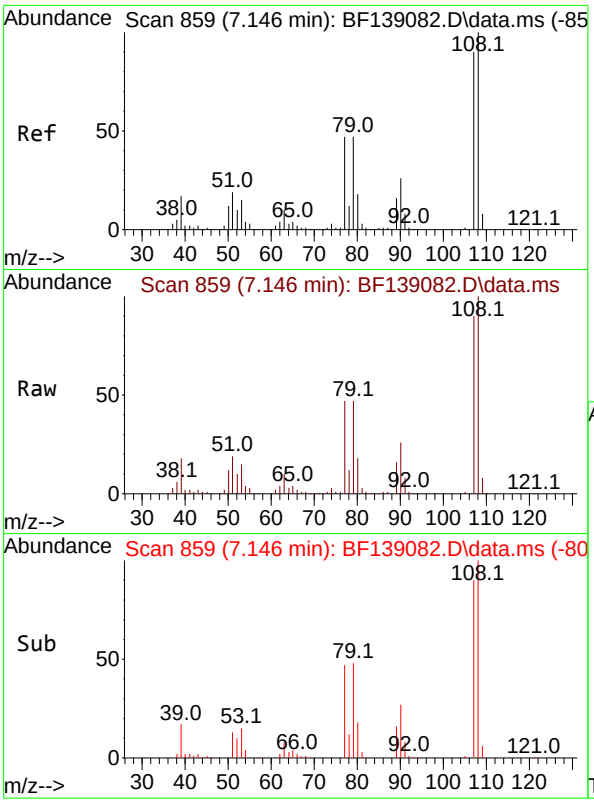


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.367 ng
RT: 7.175 min Scan# 864
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 45 Resp: 430526

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.7
79	10.4	0.0	30.4

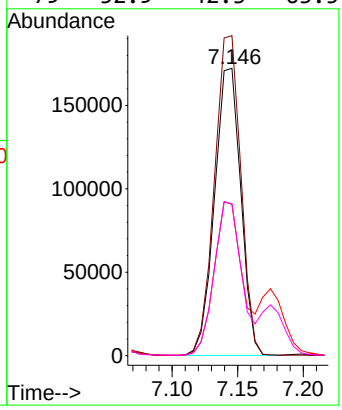




#17
2-Methylphenol
Concen: 38.491 ng
RT: 7.146 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:107 Resp: 23959

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.1	133.7
77	52.6	42.1	63.1
79	52.9	42.3	63.5



Instrument :
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ClientSampleId :
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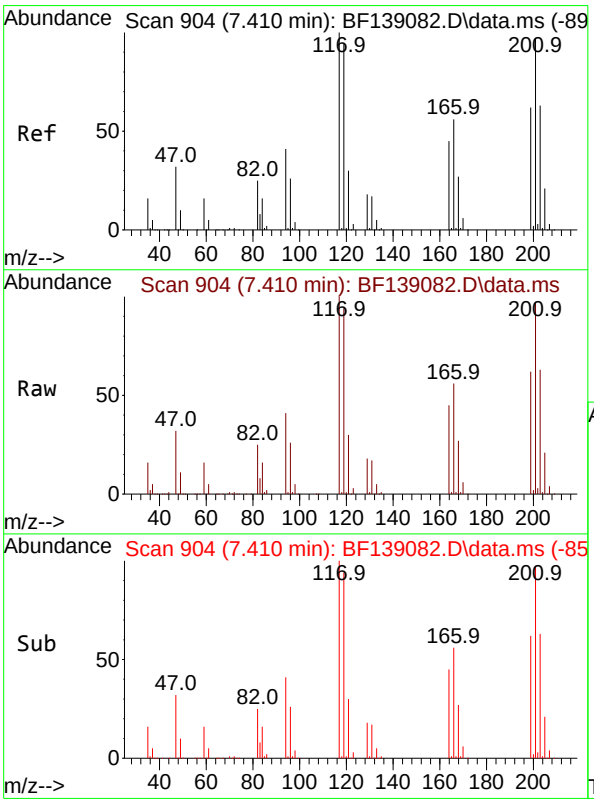
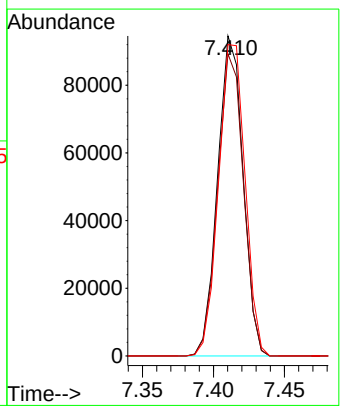
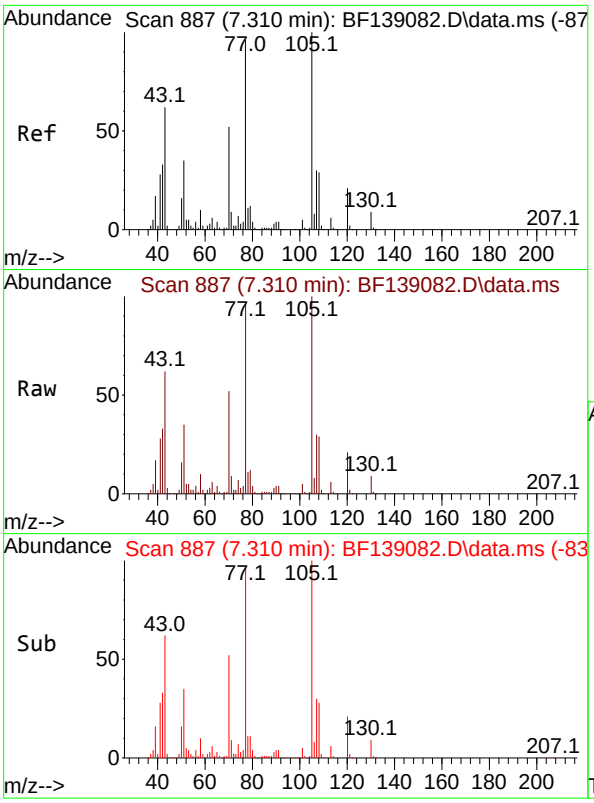


#18
Hexachloroethane
Concen: 38.445 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:117 Resp: 117917

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.5	113.3
201	97.3	77.8	116.8

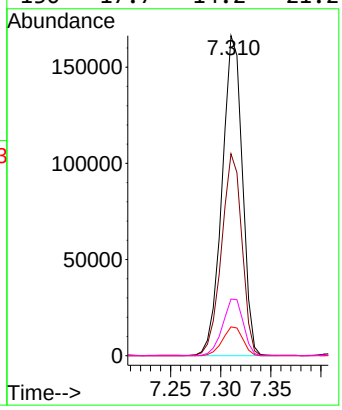




#19
n-Nitroso-di-n-propylamine
Concen: 36.446 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 70 Resp: 23395

Ion	Ratio	Lower	Upper
70	100		
42	63.1	50.5	75.7
101	9.0	7.2	10.8
130	17.7	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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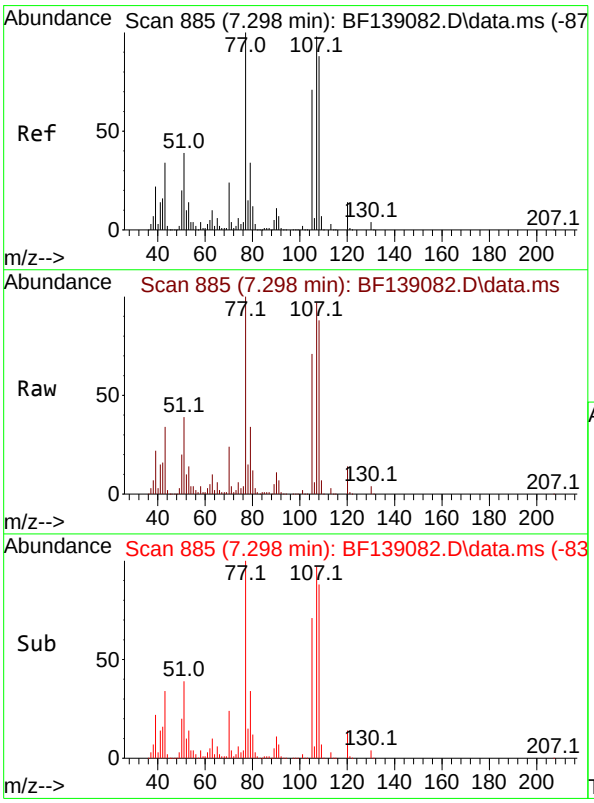
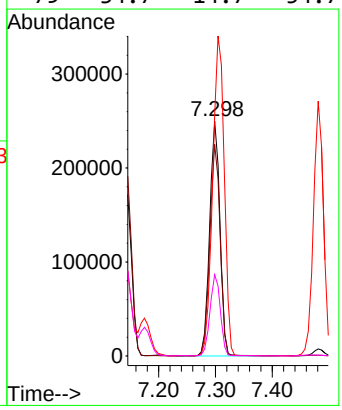
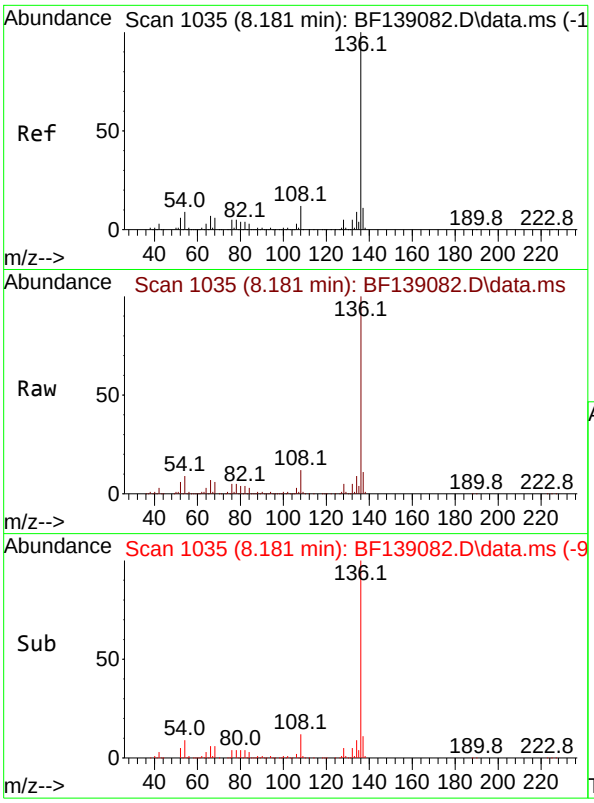


#20
3+4-Methylphenols
Concen: 38.920 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:107 Resp: 313893

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.2	110.2
77	102.7	82.7	122.7
79	34.7	14.7	54.7

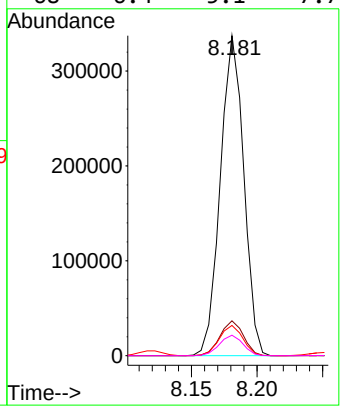




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:136 Resp: 41921

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.5	7.6	11.4
68	6.4	5.1	7.7



Instrument :
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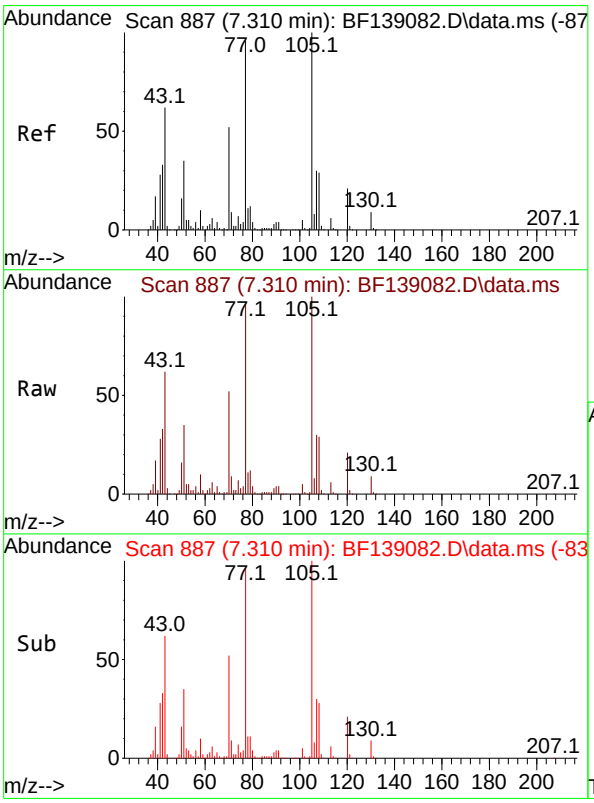
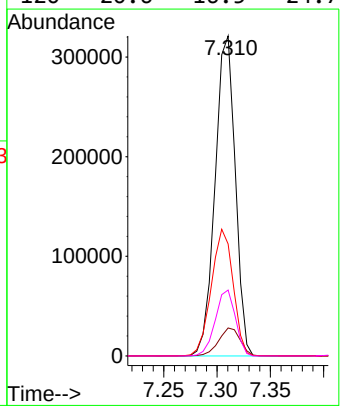
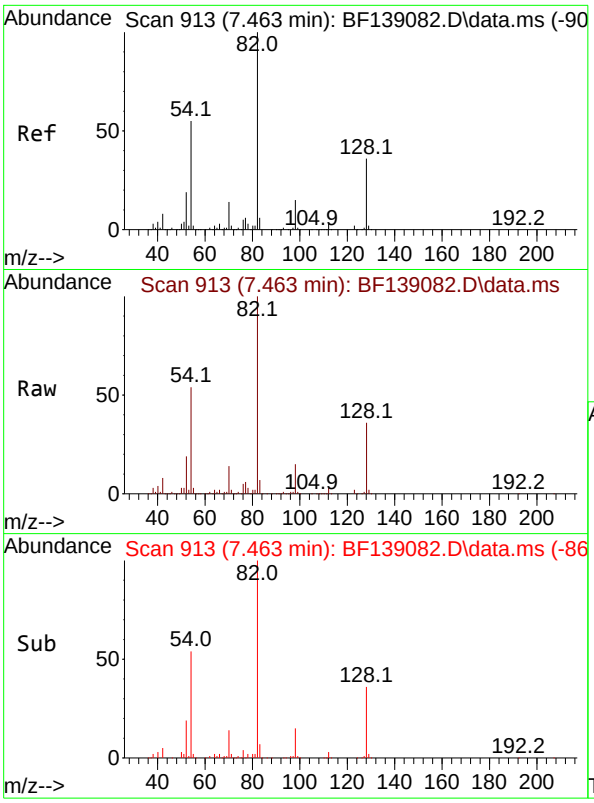


#22
Acetophenone
Concen: 39.483 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:105 Resp: 422626

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.0	10.6
51	35.0	28.0	42.0
120	20.6	16.5	24.7

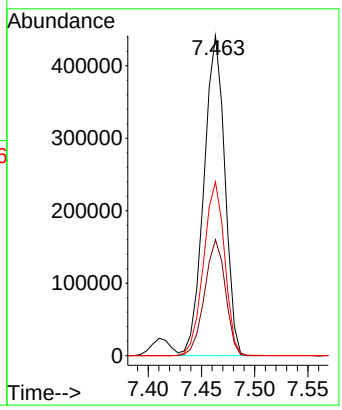




#23
Nitrobenzene-d5
Concen: 83.886 ng
RT: 7.463 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 82 Resp: 60350

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	54.3	43.4	65.2



Instrument :
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ClientSampleId :
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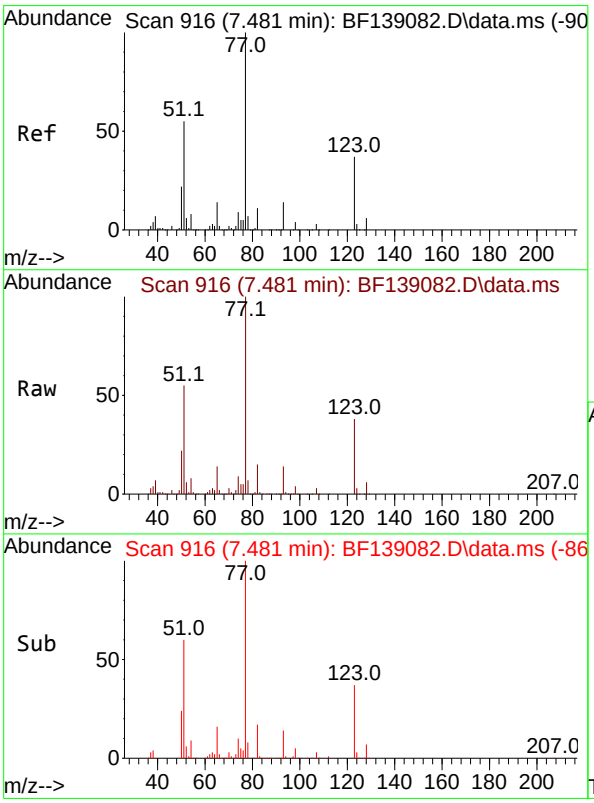
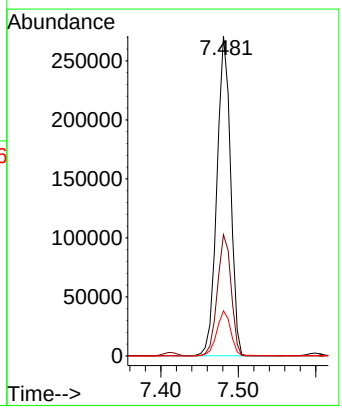
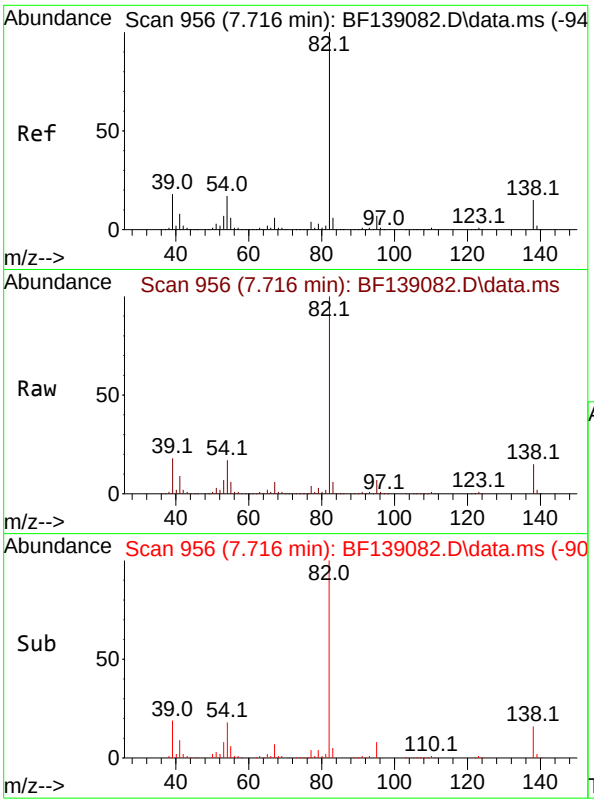


#24
Nitrobenzene
Concen: 41.450 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 77 Resp: 331465

Ion	Ratio	Lower	Upper
77	100		
123	37.9	30.3	45.5
65	14.1	11.3	16.9

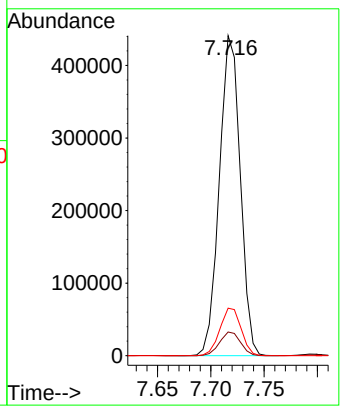




#25
Isophorone
Concen: 39.311 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 82 Resp: 60112

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	14.8	11.8	17.8



Instrument :
BNA_F
ClientSampleId :
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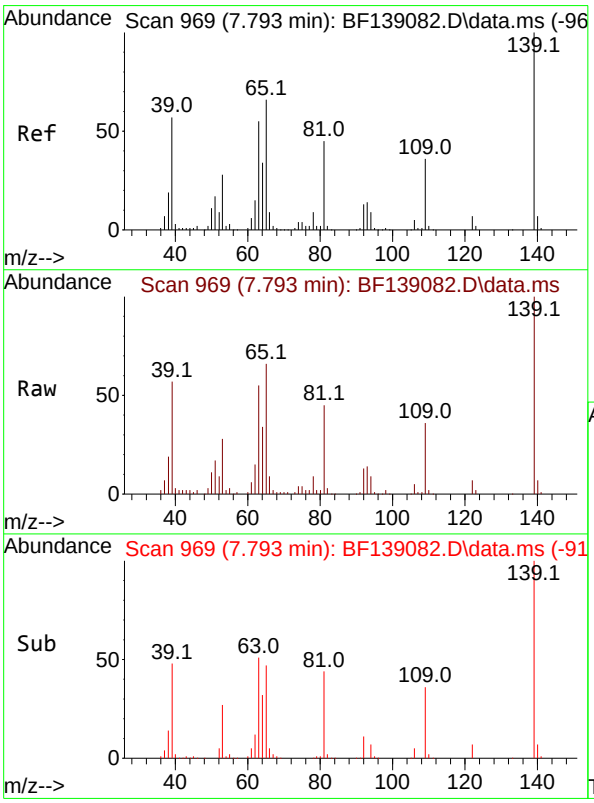
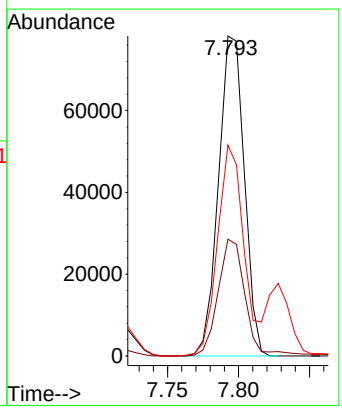
Supervised By :mohammad ahmed 08/22/2024

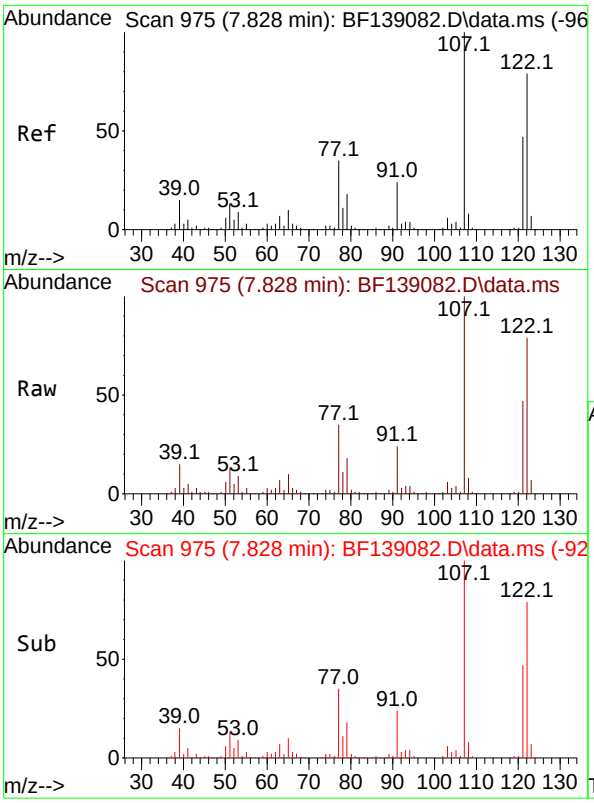


#26
2-Nitrophenol
Concen: 36.903 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:139 Resp: 98825

Ion	Ratio	Lower	Upper
139	100		
109	36.5	29.2	43.8
65	65.9	52.7	79.1

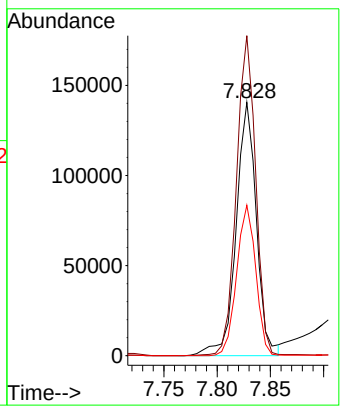




#27
2,4-Dimethylphenol
Concen: 38.504 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:122 Resp: 18670

Ion	Ratio	Lower	Upper
122	100		
107	126.4	101.1	151.7
121	59.4	47.5	71.3



Instrument :
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ClientSampleId :
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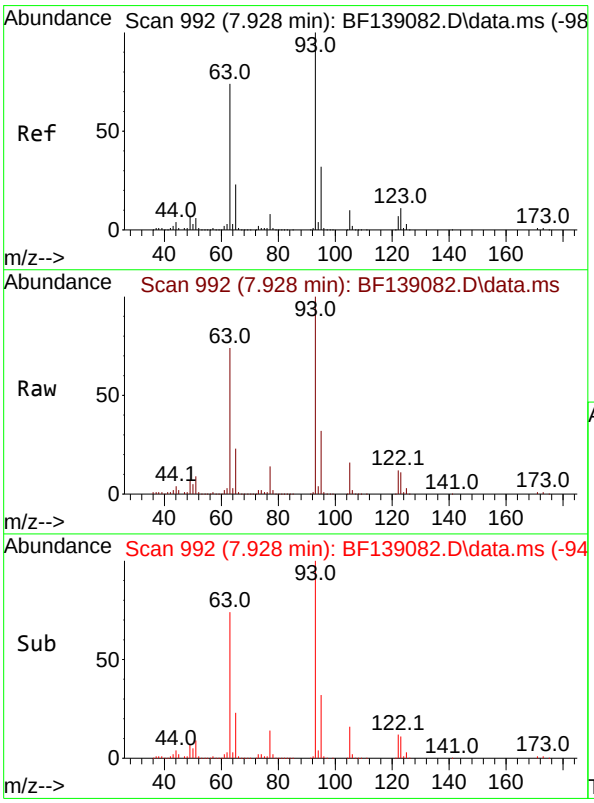
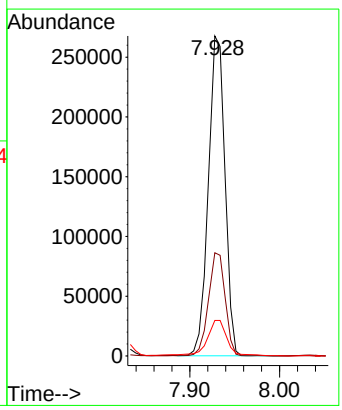
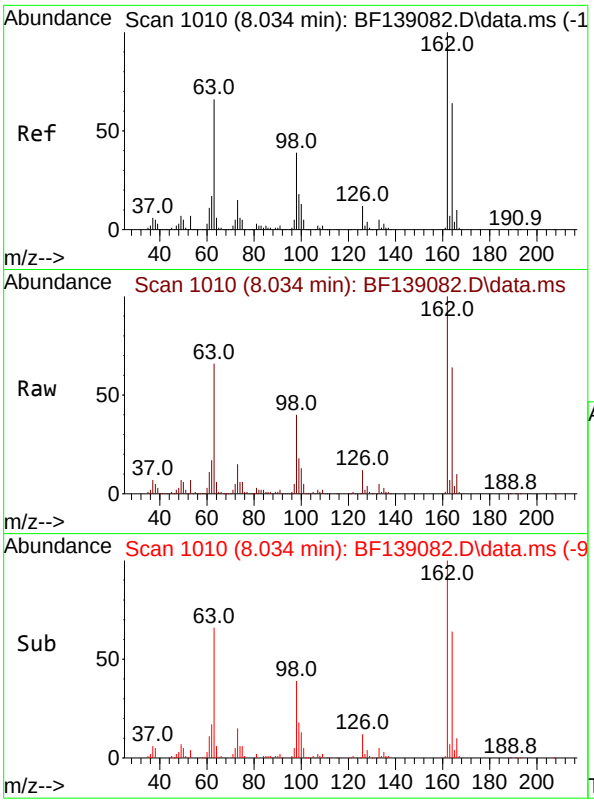


#28
bis(2-Chloroethoxy)methane
Concen: 38.488 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 93 Resp: 343887

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	11.1	8.9	13.3

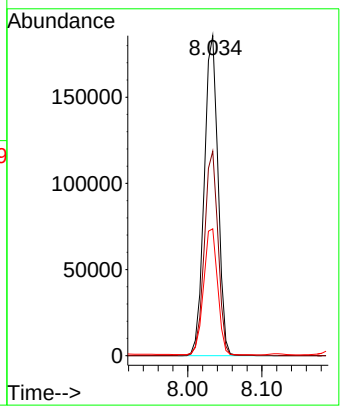




#29
2,4-Dichlorophenol
Concen: 39.822 ng
RT: 8.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:162 Resp: 24056

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	39.7	19.7	59.7



Instrument :
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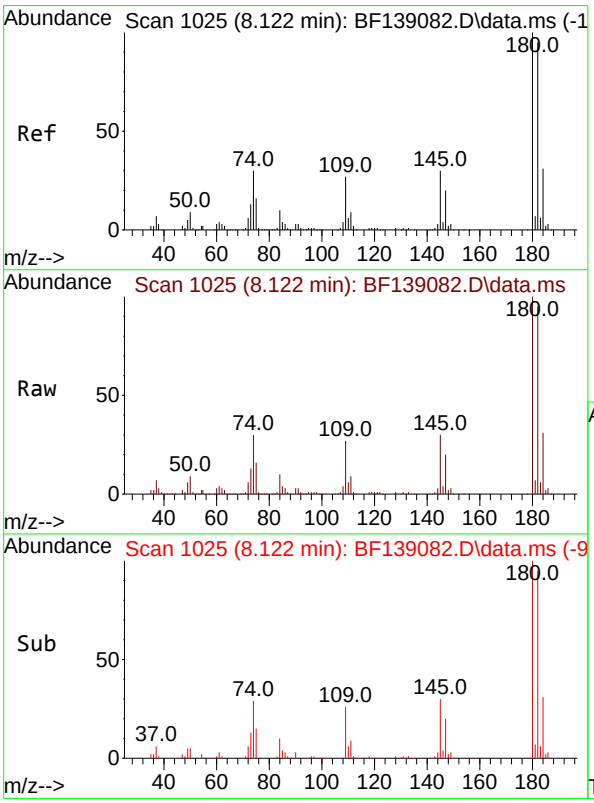
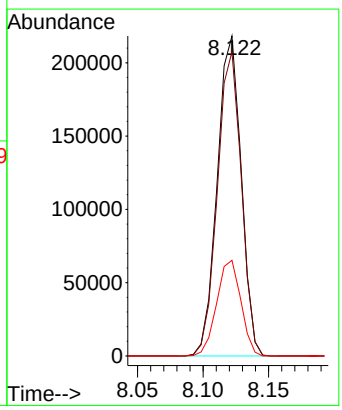
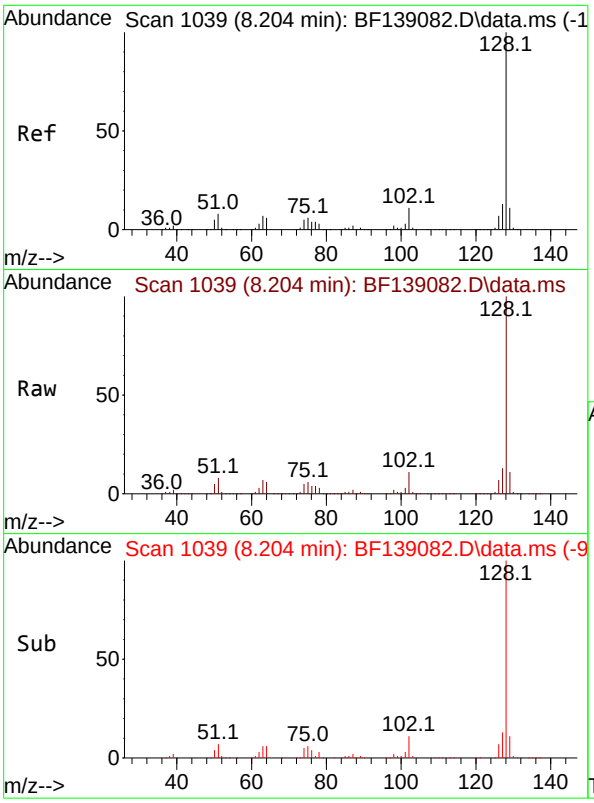


#30
1,2,4-Trichlorobenzene
Concen: 39.203 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:180 Resp: 277308

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	29.9	23.9	35.9

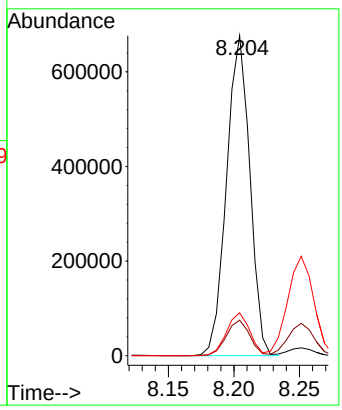




#31
Naphthalene
Concen: 39.352 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:128 Resp: 83598

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.7	16.1



Instrument :
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ClientSampleId :
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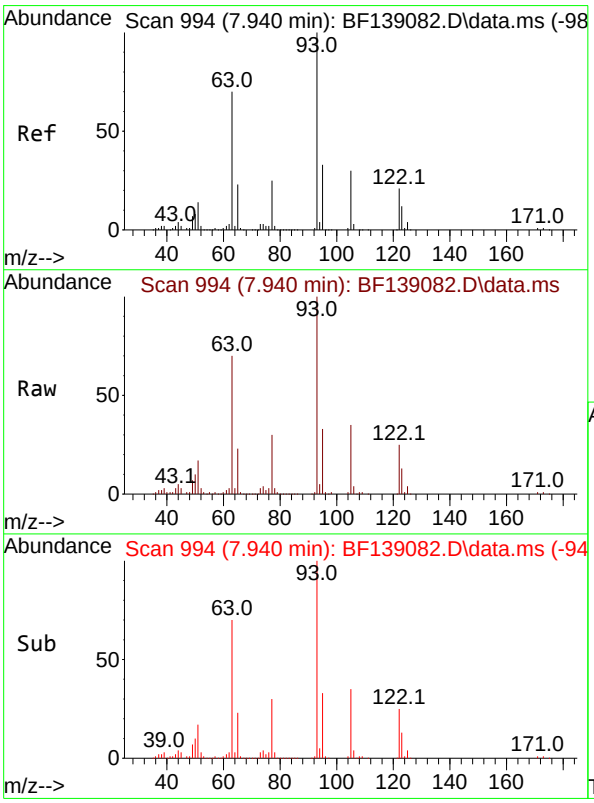
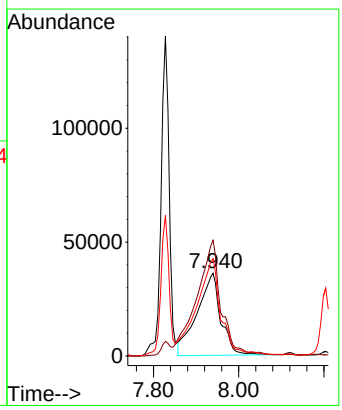
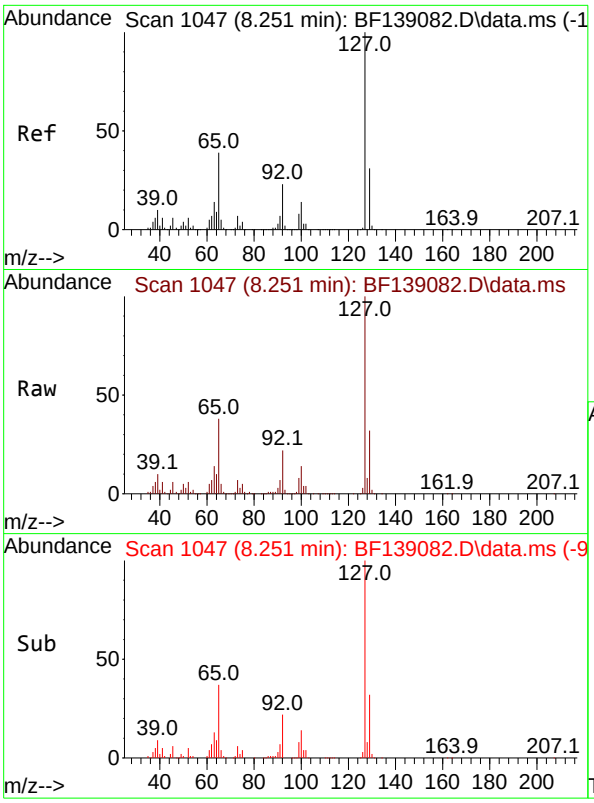


#32
Benzoic acid
Concen: 36.768 ng
RT: 7.940 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:122 Resp: 139727

Ion	Ratio	Lower	Upper
122	100		
105	139.6	119.6	159.6
77	117.6	97.6	137.6

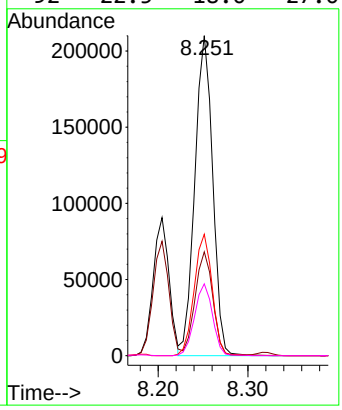




#33
4-Chloroaniline
Concen: 39.963 ng
RT: 8.251 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:127 Resp: 29075(

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	37.9	30.3	45.5
92	22.5	18.0	27.0



Instrument :
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ClientSampleId :
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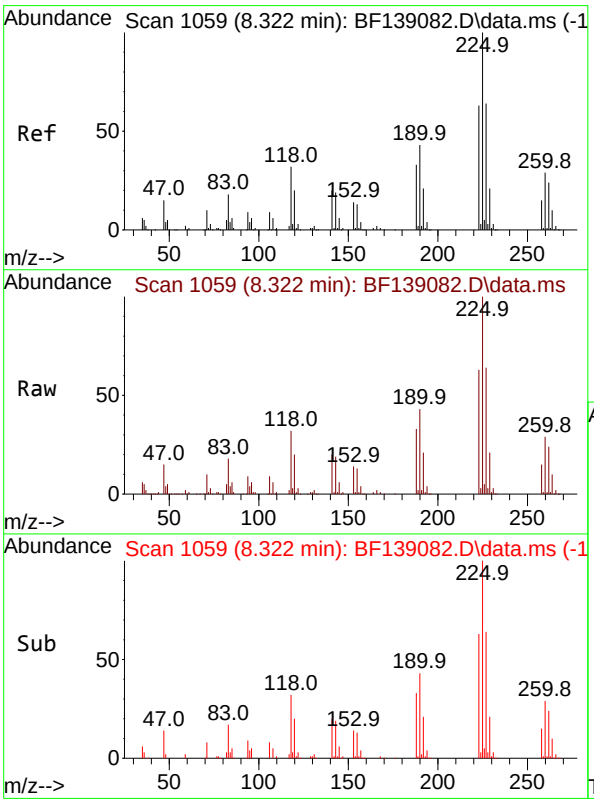
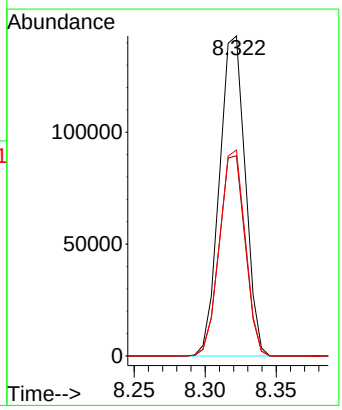
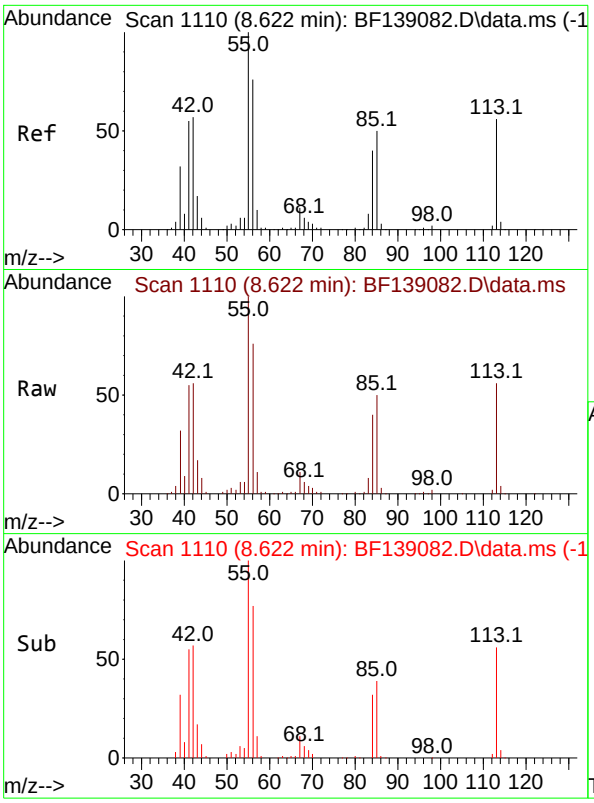


#34
Hexachlorobutadiene
Concen: 39.122 ng
RT: 8.322 min Scan# 1059
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:225 Resp: 180774

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.0	75.0
227	64.3	51.4	77.2

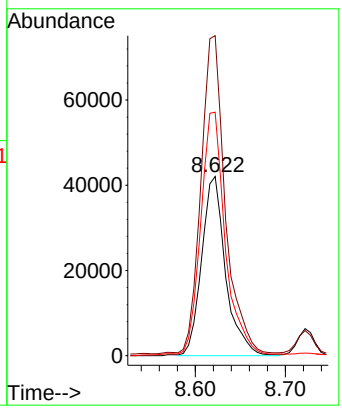




#35
Caprolactam
Concen: 40.489 ng m
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:113 Resp: 7753

Ion	Ratio	Lower	Upper
113	100		
55	178.6	158.6	198.6
56	135.9	115.9	155.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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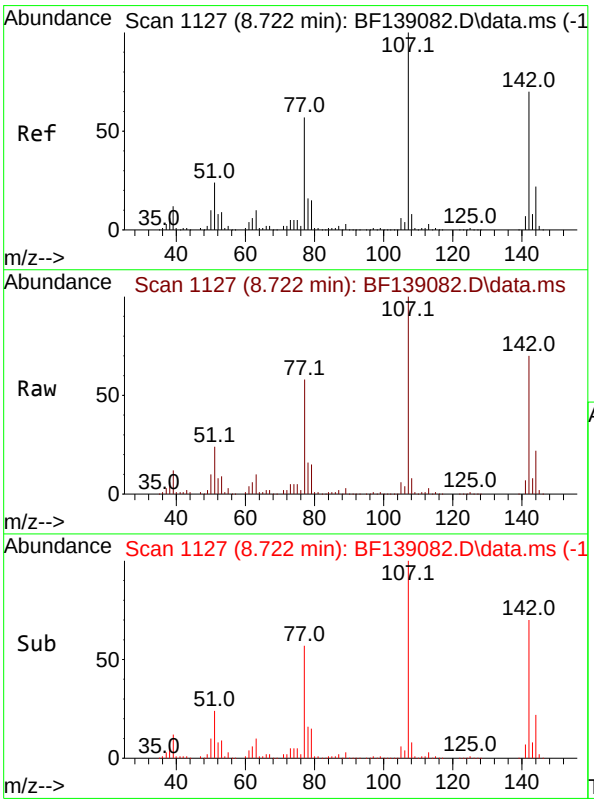
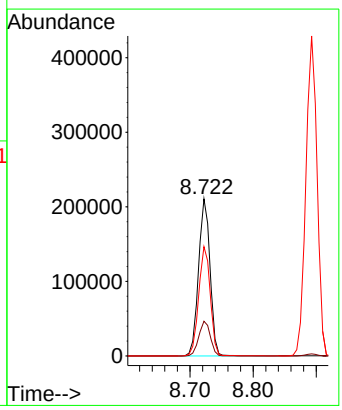
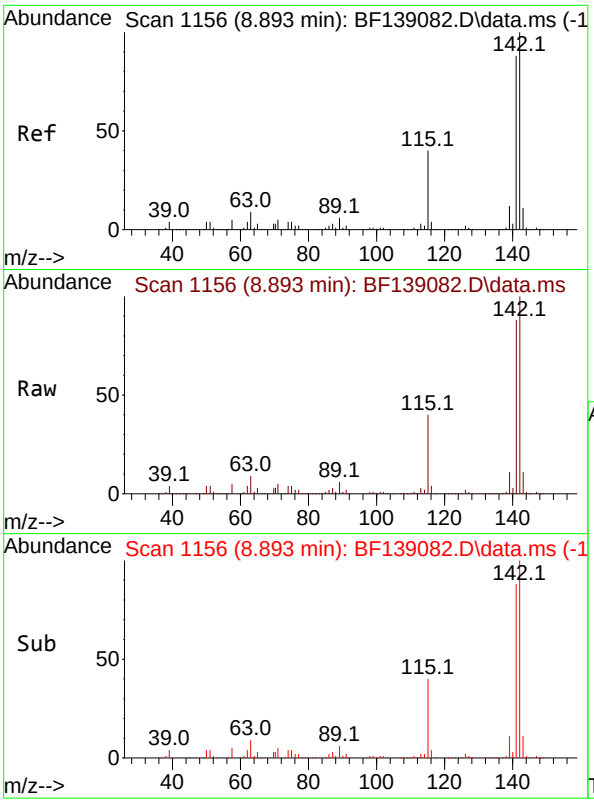


#36
4-Chloro-3-methylphenol
Concen: 39.954 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:107 Resp: 267245

Ion	Ratio	Lower	Upper
107	100		
144	22.1	17.7	26.5
142	69.5	55.6	83.4

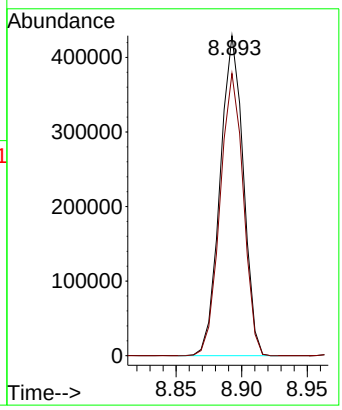




#37
2-Methylnaphthalene
Concen: 38.730 ng
RT: 8.893 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:142 Resp: 52774

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.6	105.8



Instrument :
BNA_F
ClientSampleId :
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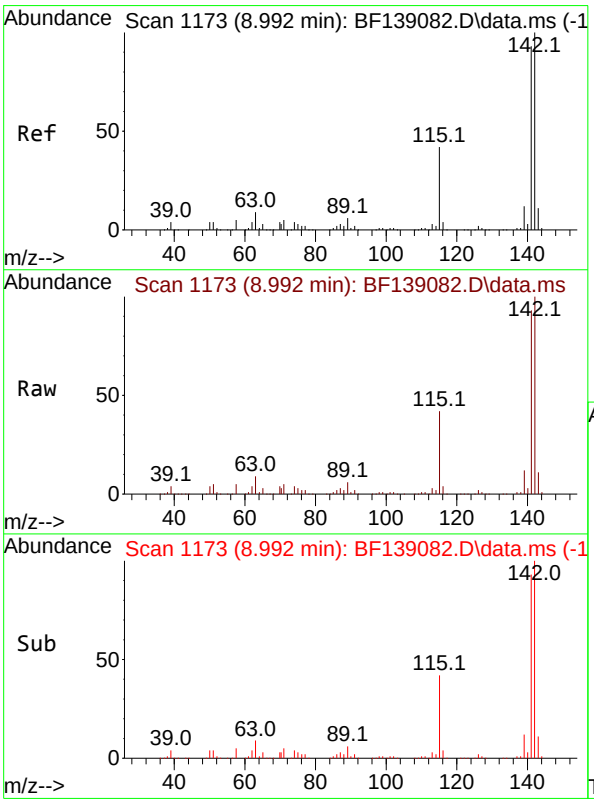
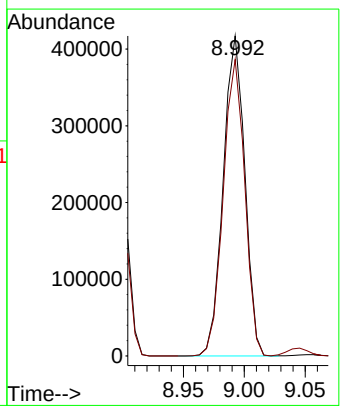
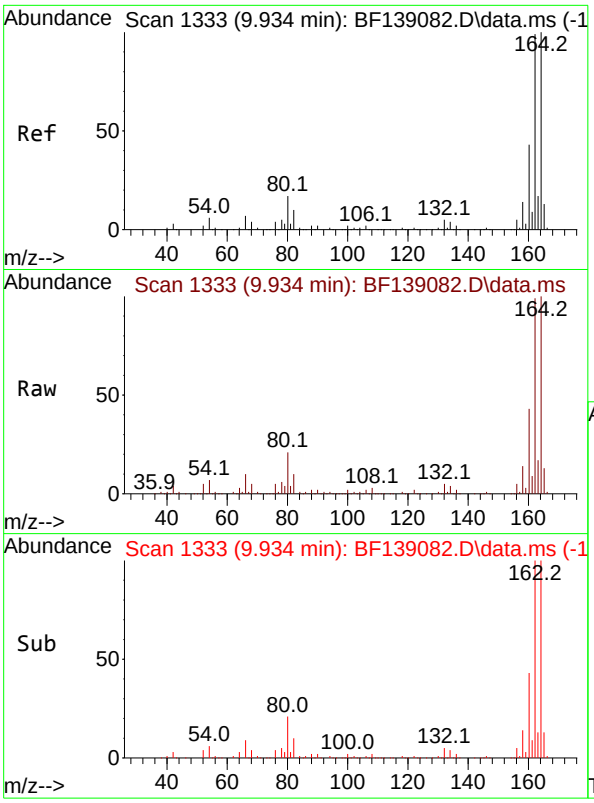


#38
1-Methylnaphthalene
Concen: 39.099 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:142 Resp: 514197

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.1	111.1

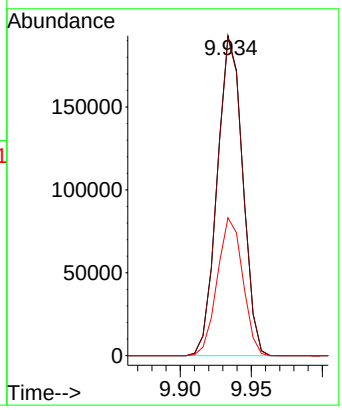




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:164 Resp: 24036

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	43.1	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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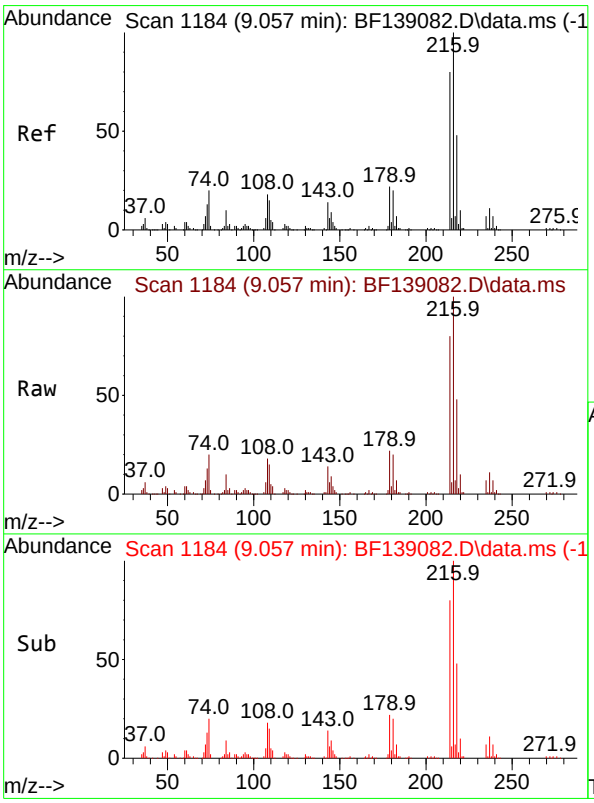
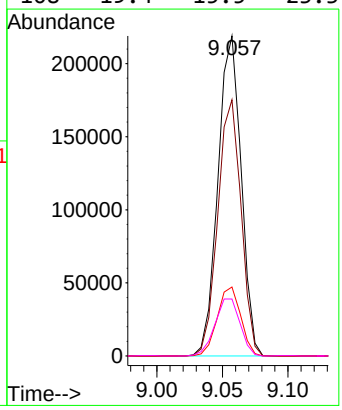
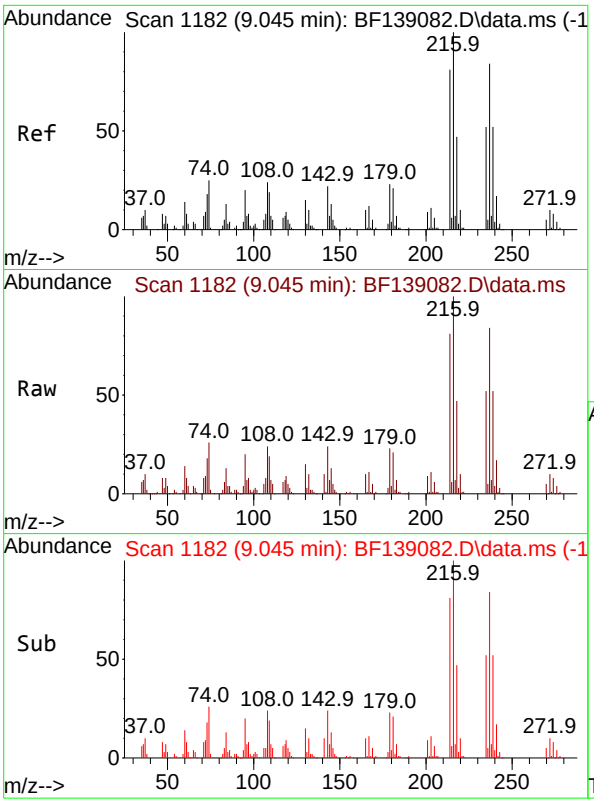


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.765 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:216 Resp: 269439

Ion	Ratio	Lower	Upper
216	100		
214	80.2	64.2	96.2
179	21.8	17.4	26.2
108	19.4	15.5	23.3





#41
Hexachlorocyclopentadiene
Concen: 40.649 ng
RT: 9.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:237 Resp: 10280

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.5	82.5
272	12.0	0.0	32.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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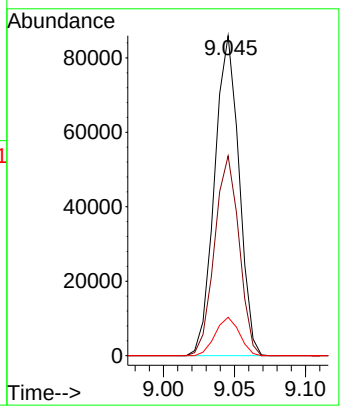
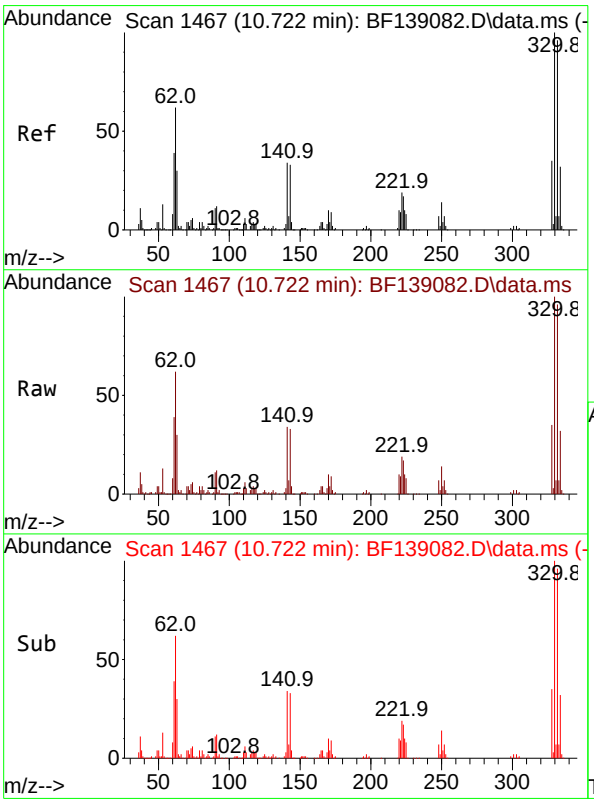
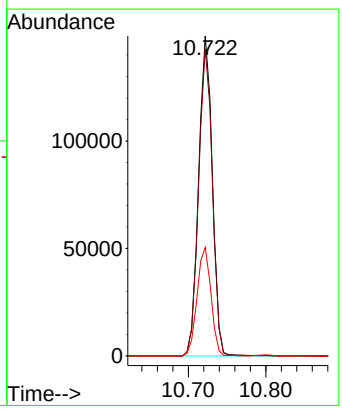


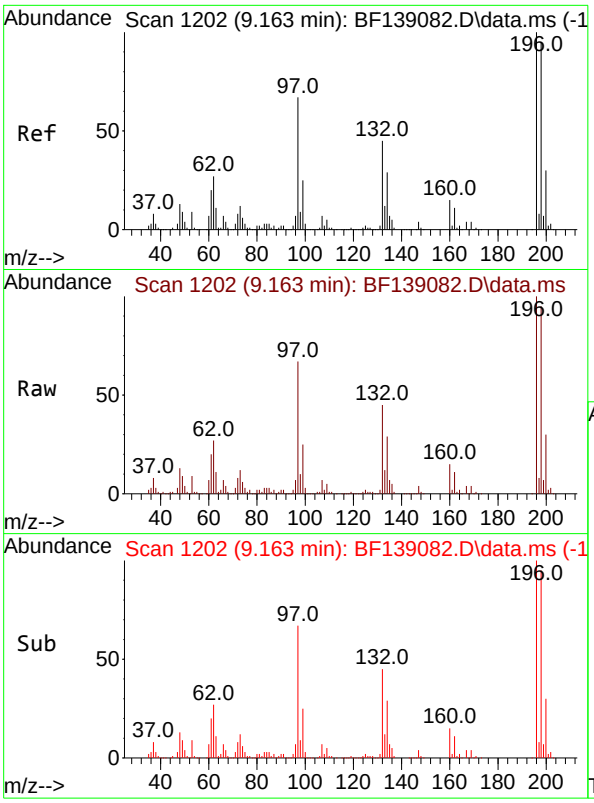


#42
2,4,6-Tribromophenol
Concen: 84.013 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:330 Resp: 182810

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	34.4	27.5	41.3

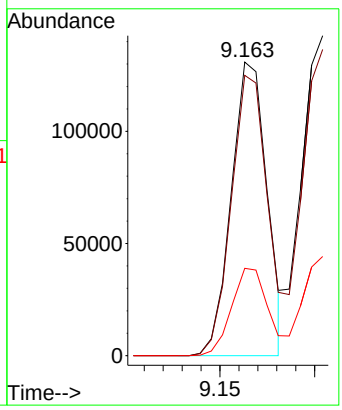




#43
2,4,6-Trichlorophenol
Concen: 38.532 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:196 Resp: 17111

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
200	29.8	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
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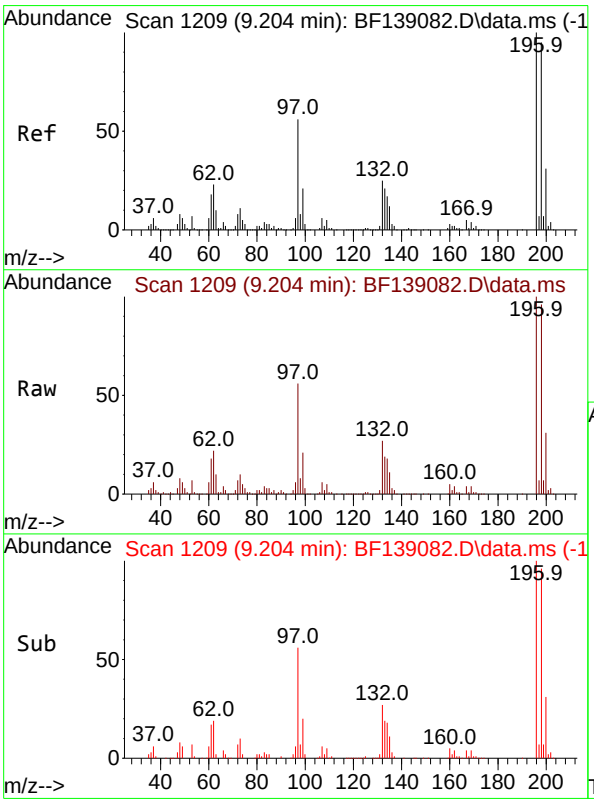
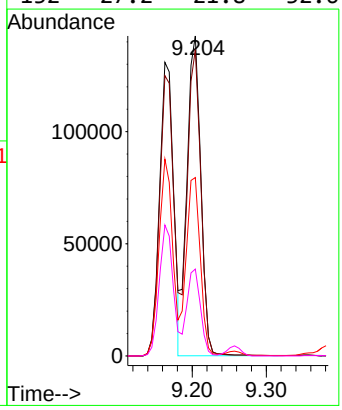
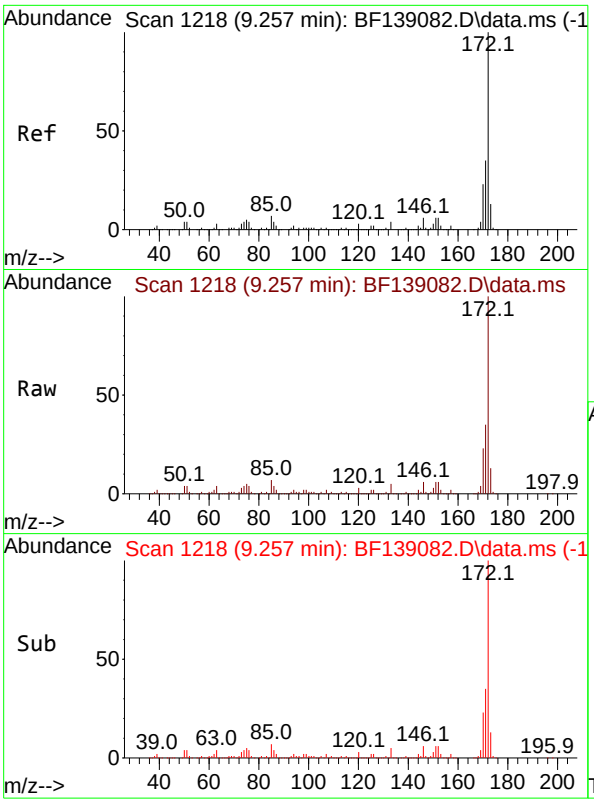


#44
2,4,5-Trichlorophenol
Concen: 40.665 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:196 Resp: 185362

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
97	55.8	44.6	67.0
132	27.2	21.8	32.6

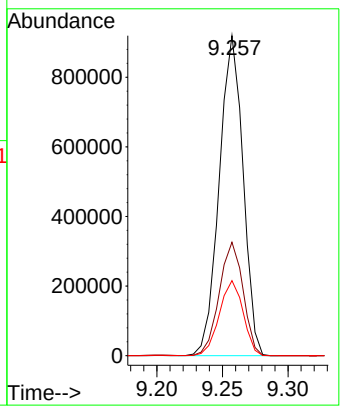




#45
2-Fluorobiphenyl
Concen: 76.626 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:172 Resp: 116084

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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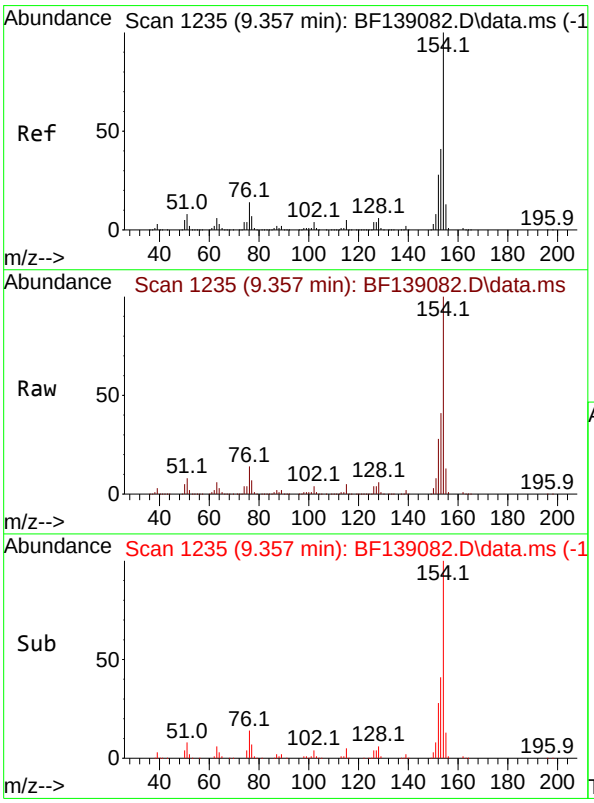
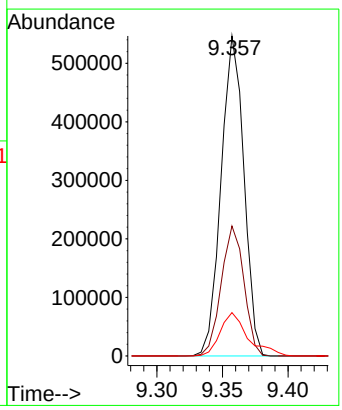
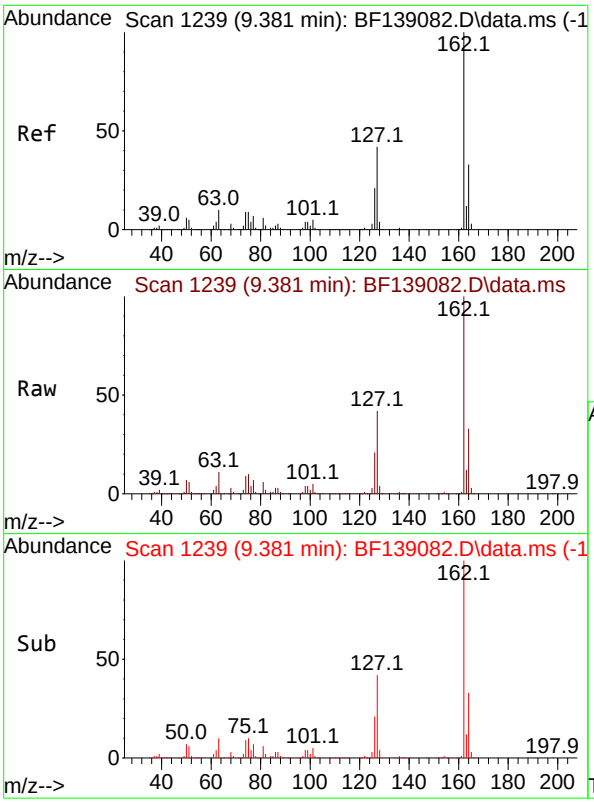


#46
1,1'-Biphenyl
Concen: 40.124 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:154 Resp: 660652

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.6	60.6
76	13.6	0.0	33.6

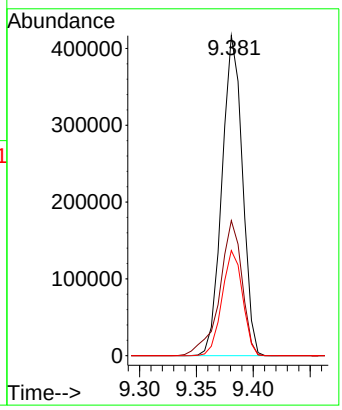




#47
2-Chloronaphthalene
Concen: 39.068 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:162 Resp: 52268

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	32.9	26.3	39.5



Instrument :
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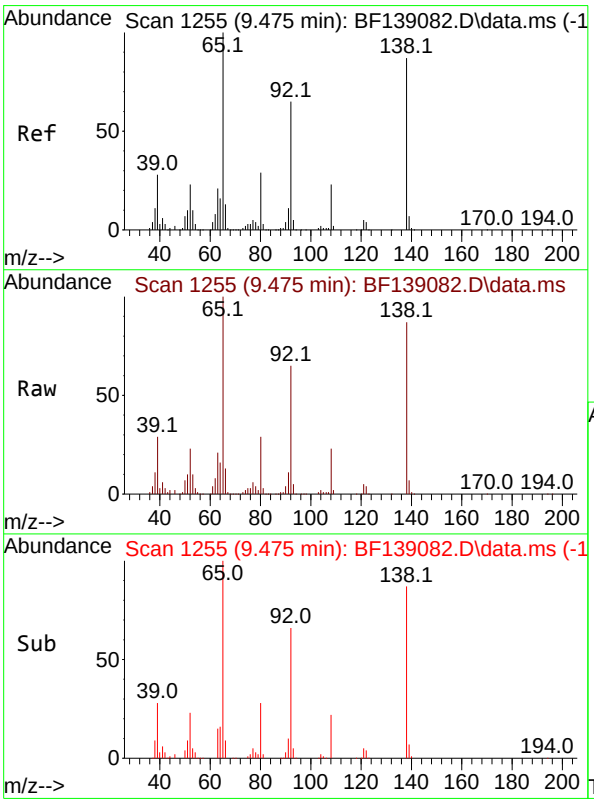
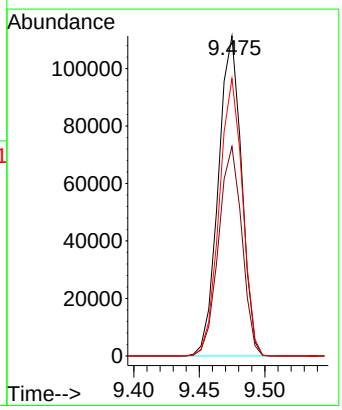
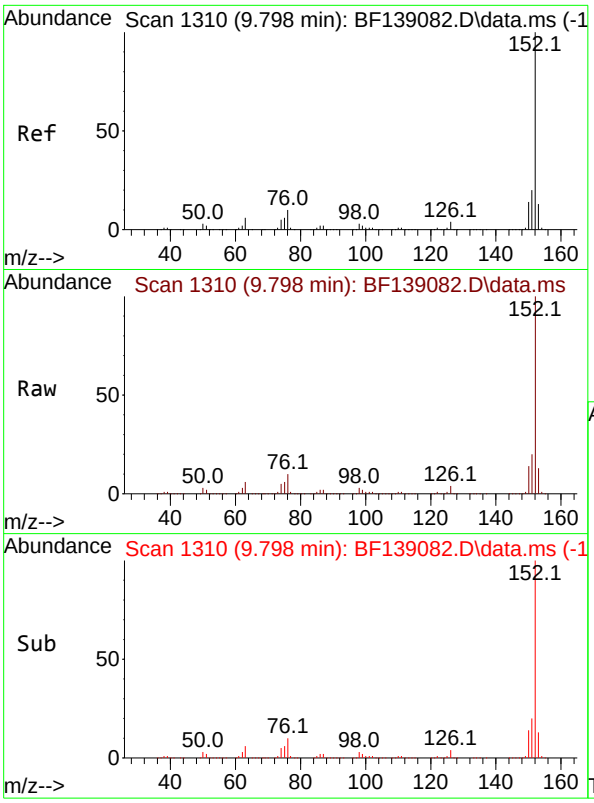


#48
2-Nitroaniline
Concen: 37.198 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 65 Resp: 137098

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.4	78.6
138	86.7	69.4	104.0

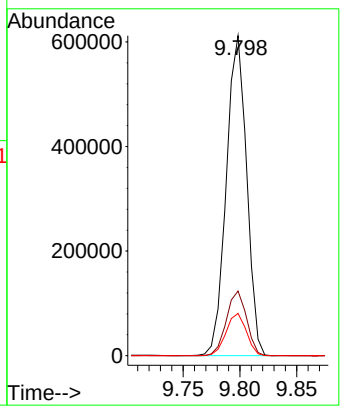




#49
Acenaphthylene
Concen: 39.800 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:152 Resp: 76277

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	15.8



Instrument :
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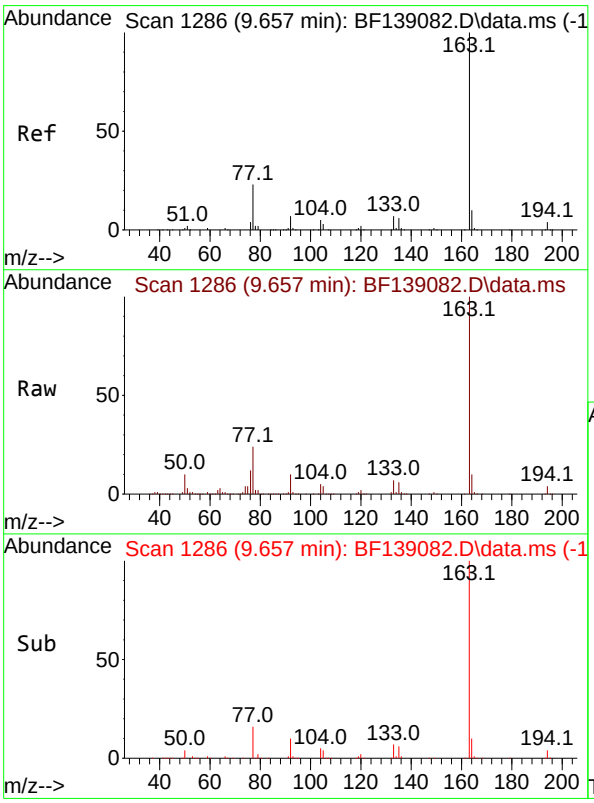
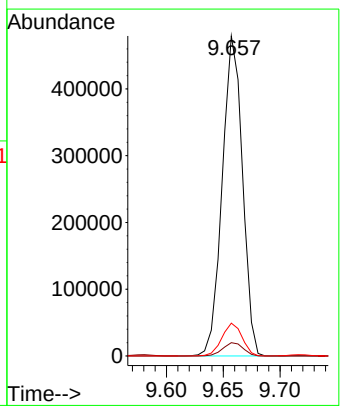
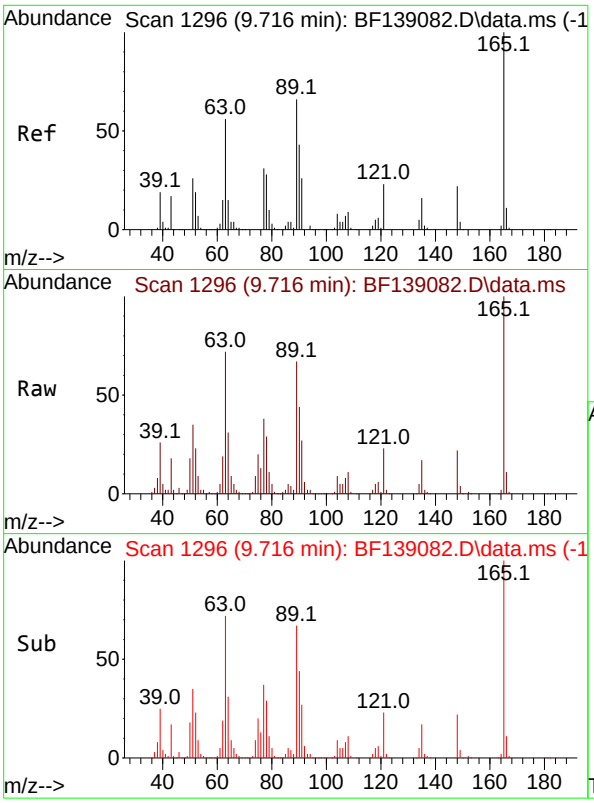


#50
Dimethylphthalate
Concen: 40.051 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:163 Resp: 594327

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 39.074 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:165 Resp: 11354

Ion	Ratio	Lower	Upper
165	100		
63	72.5	58.0	87.0
89	66.6	53.3	79.9

Instrument :
BNA_F
ClientSampleId :
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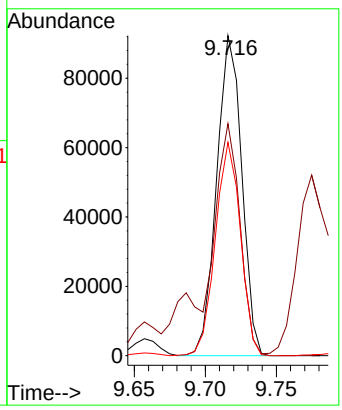
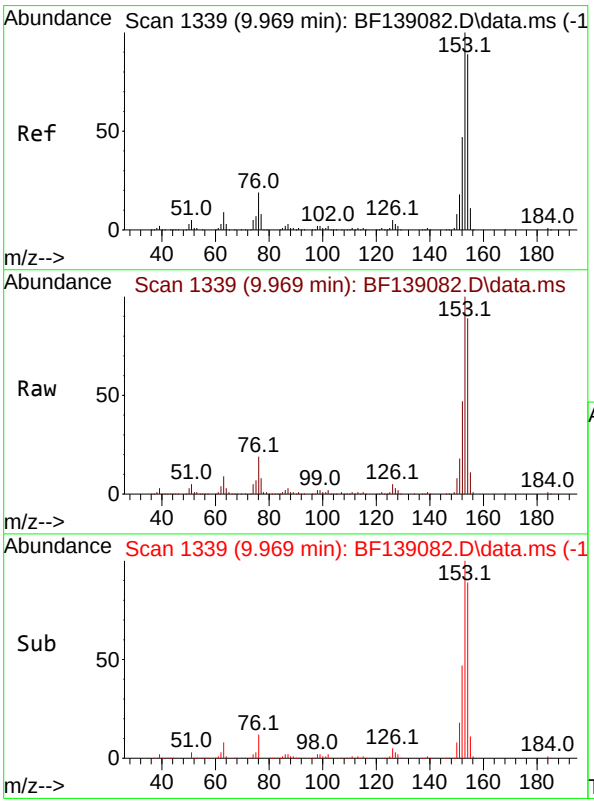
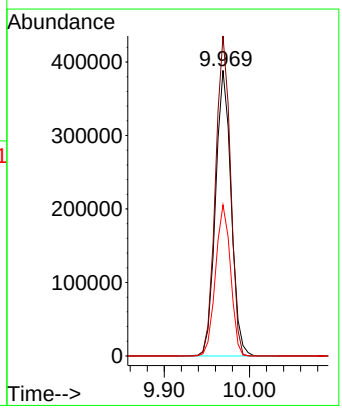


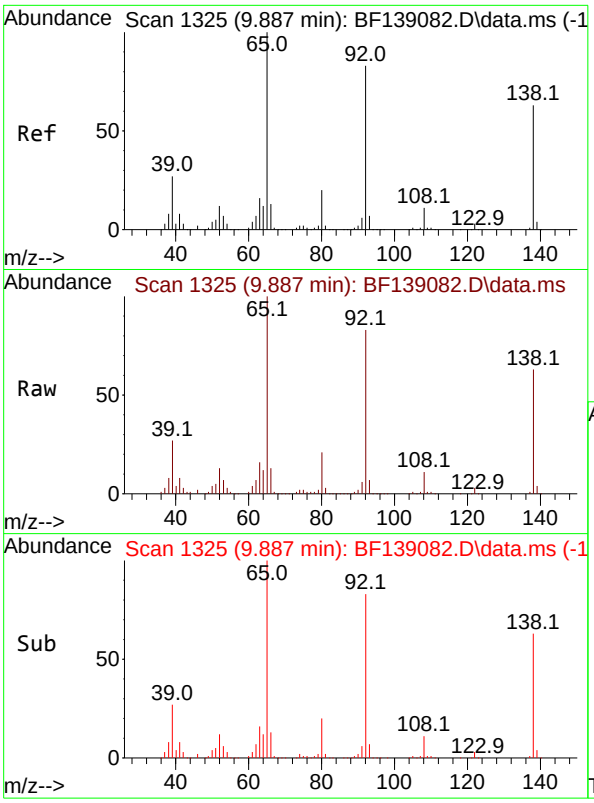


#52
Acenaphthene
Concen: 38.990 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:154 Resp: 493605

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.7	134.5
152	52.9	42.3	63.5





#53
3-Nitroaniline
Concen: 39.235 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:138 Resp: 11565

Ion	Ratio	Lower	Upper
138	100		
108	18.2	14.6	21.8
92	132.4	105.9	158.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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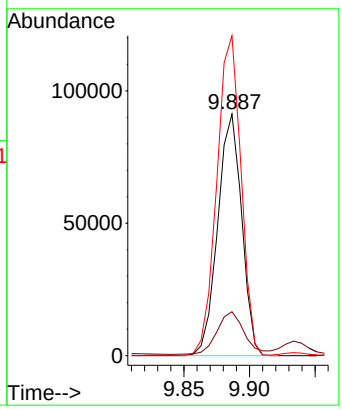
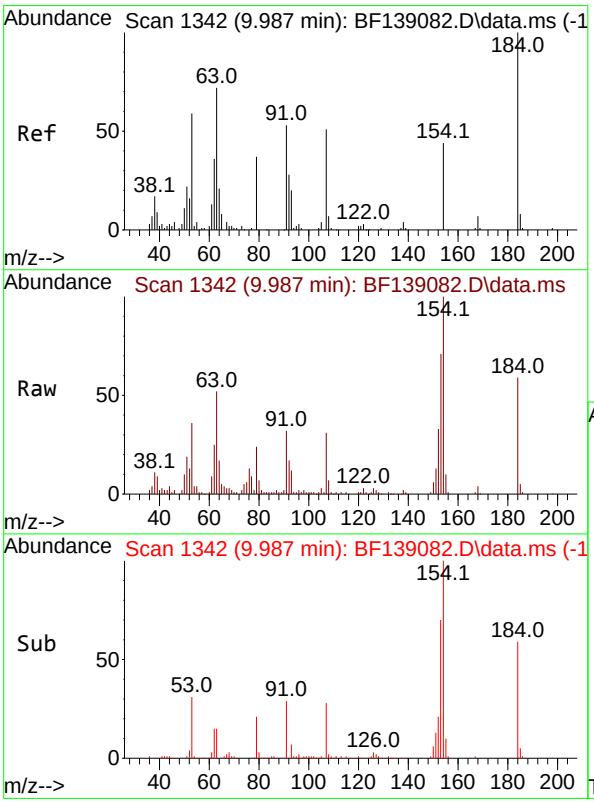
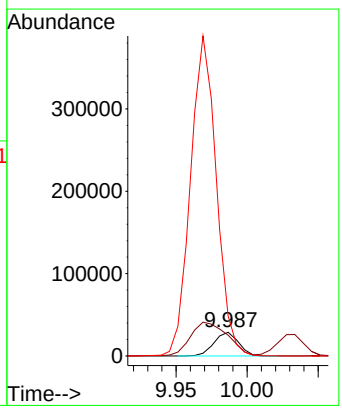


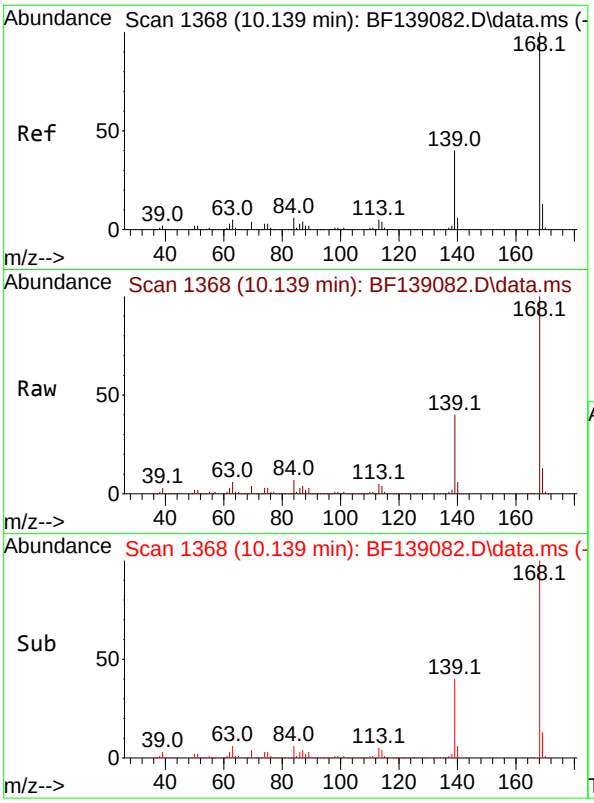


#54
2,4-Dinitrophenol
Concen: 39.125 ng
RT: 9.987 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:184 Resp: 34457

Ion	Ratio	Lower	Upper
184	100		
63	88.1	70.5	105.7
154	168.8	135.0	202.6

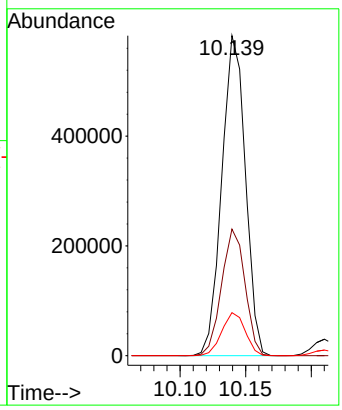




#55
Dibenzofuran
Concen: 39.681 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:168 Resp: 72966

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.4	10.7	16.1



Instrument :
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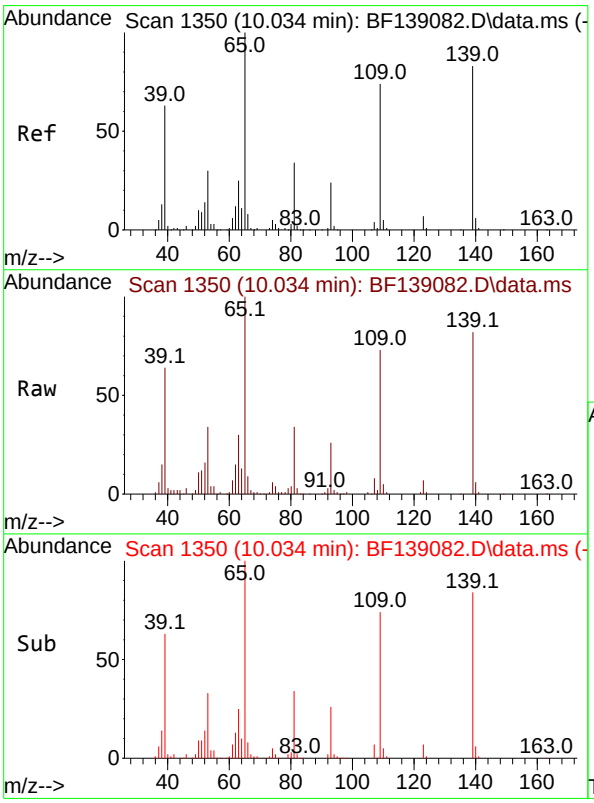
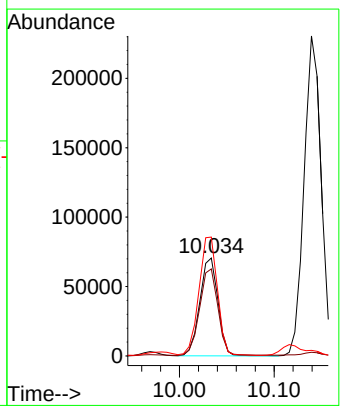
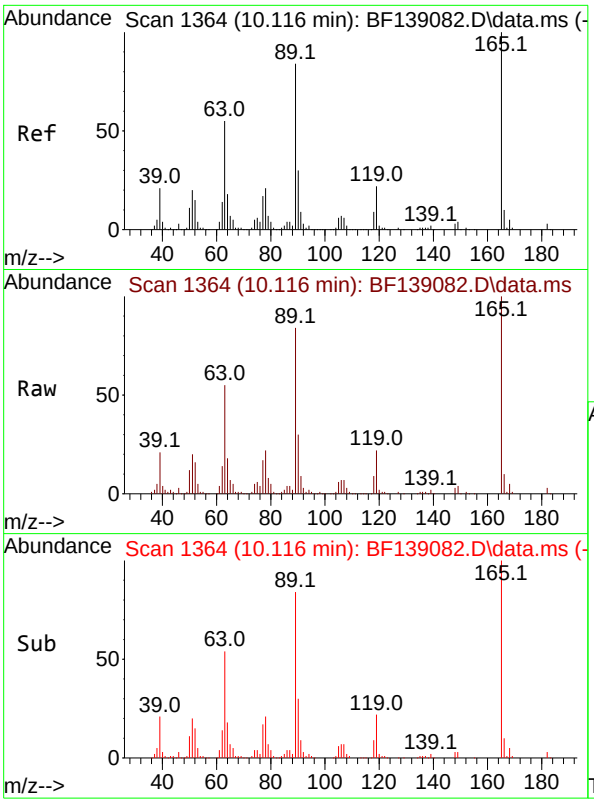


#56
4-Nitrophenol
Concen: 41.690 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:139 Resp: 93512

Ion	Ratio	Lower	Upper
139	100		
109	88.8	68.8	108.8
65	121.3	101.3	141.3

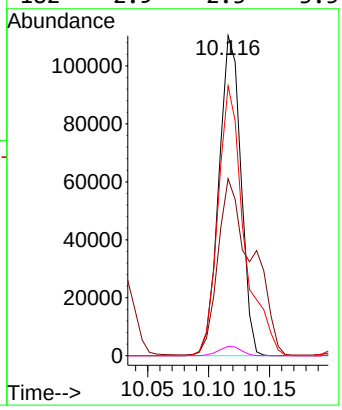




#57
2,4-Dinitrotoluene
Concen: 38.524 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:165 Resp: 13913

Ion	Ratio	Lower	Upper
165	100		
63	55.3	44.2	66.4
89	84.3	67.4	101.2
182	2.9	2.3	3.5



Instrument :
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ClientSampleId :
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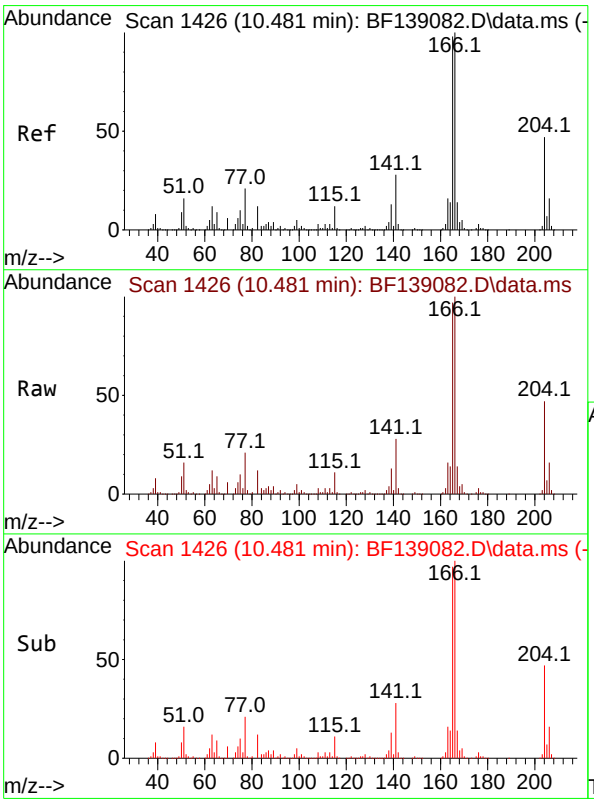
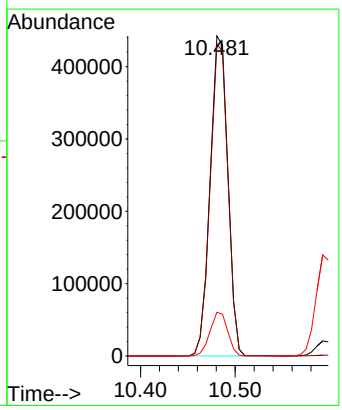
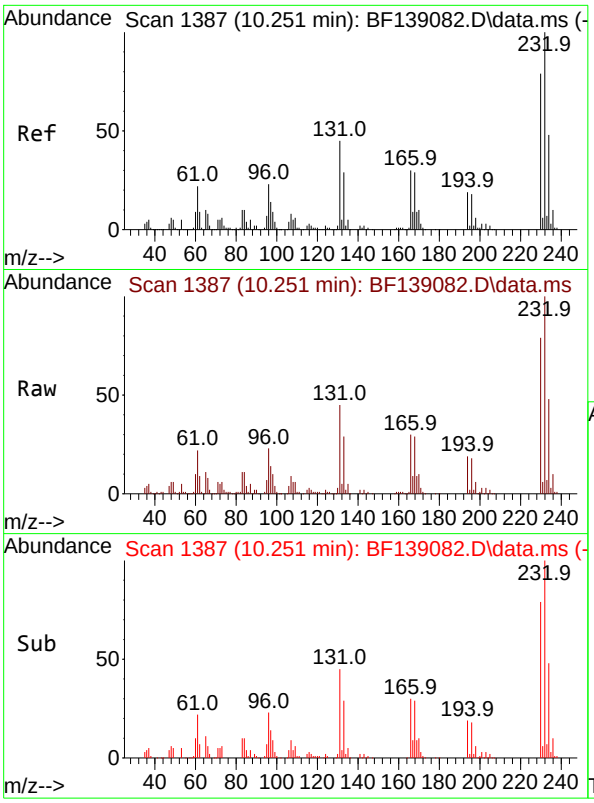


#58
Fluorene
Concen: 39.101 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:166 Resp: 574597

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.7	11.0	16.4

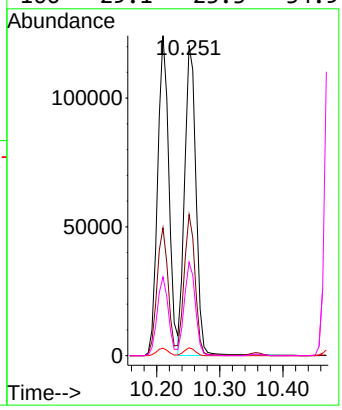




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.159 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:232 Resp: 15064

Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.5	2.0	3.0
166	29.1	23.3	34.9



Instrument :
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ClientSampleId :
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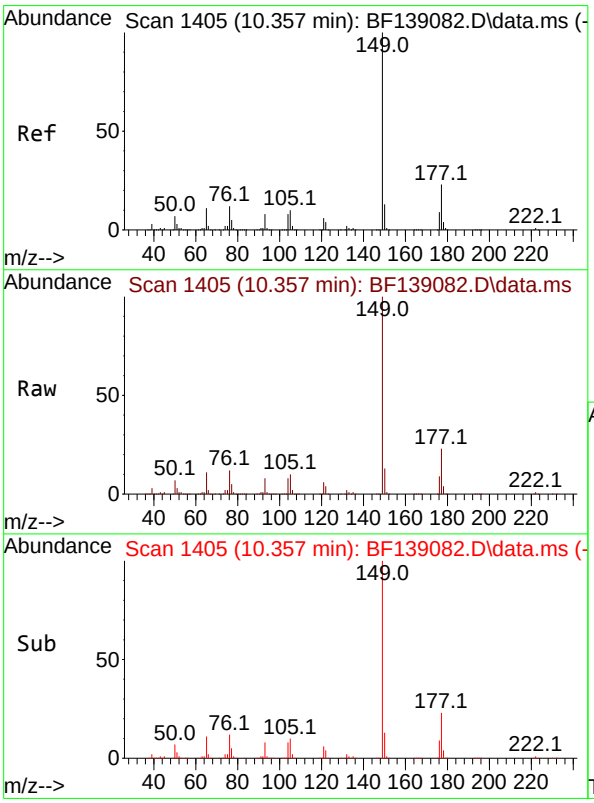
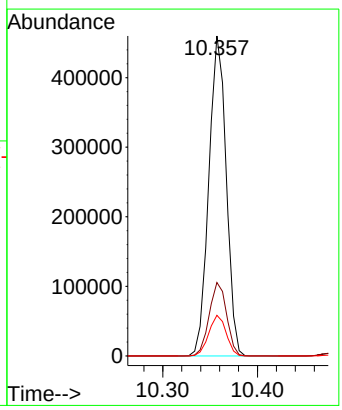
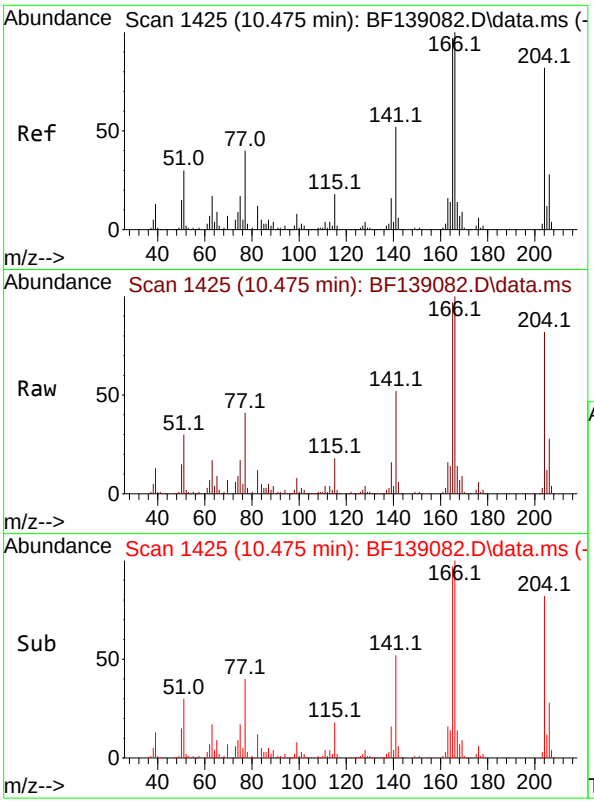


#60
Diethylphthalate
Concen: 39.964 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 587596

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.4	27.6
150	12.7	10.2	15.2

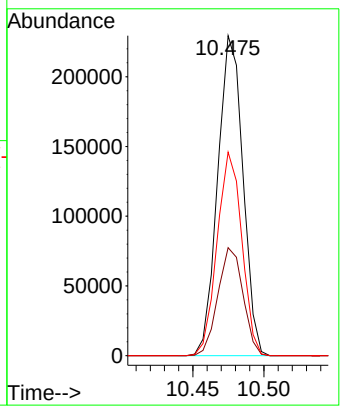




#61
4-Chlorophenyl-phenylether
Concen: 38.596 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:204 Resp: 28326

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	63.6	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
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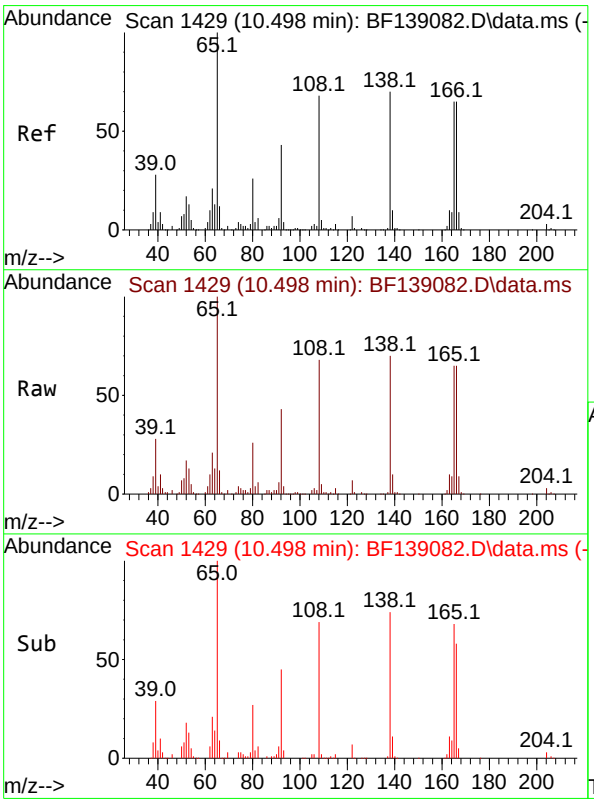
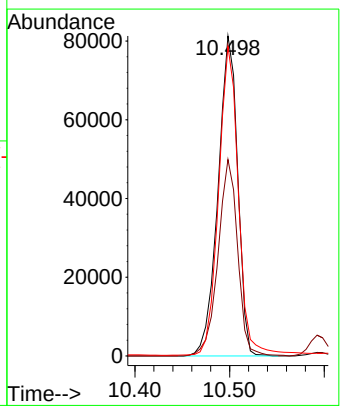
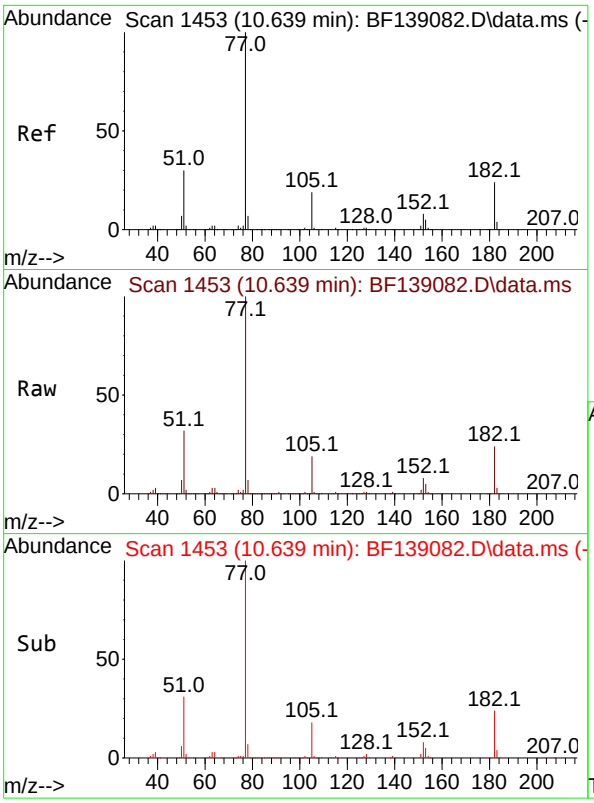


#62
4-Nitroaniline
Concen: 39.267 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:138 Resp: 117372

Ion	Ratio	Lower	Upper
138	100		
92	61.4	41.4	81.4
108	96.8	76.8	116.8

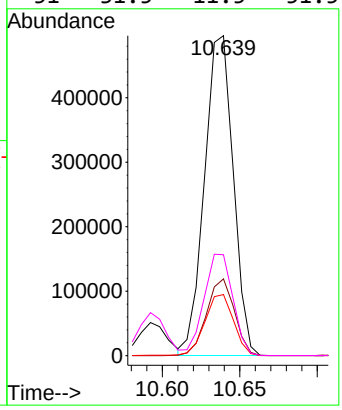




#63
Azobenzene
Concen: 39.237 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion: 77 Resp: 64110

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.0	44.0
105	19.1	0.0	39.1
51	31.5	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
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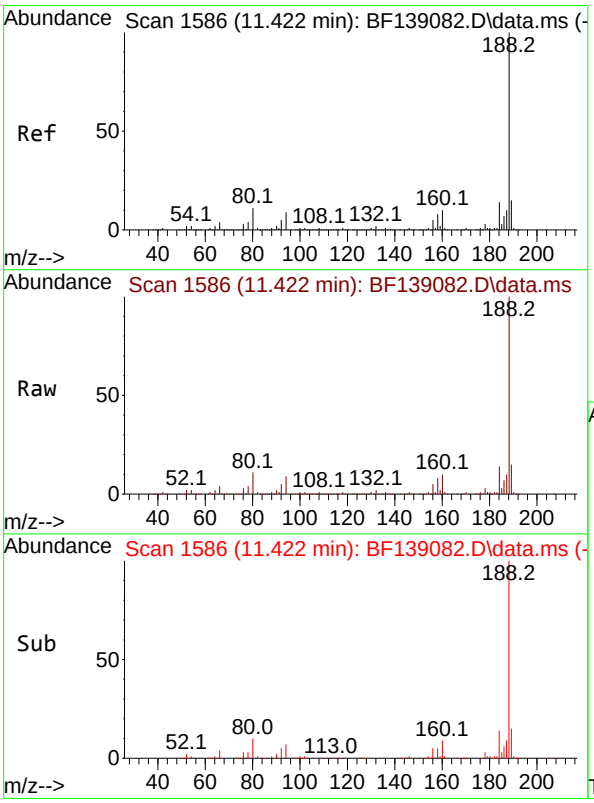
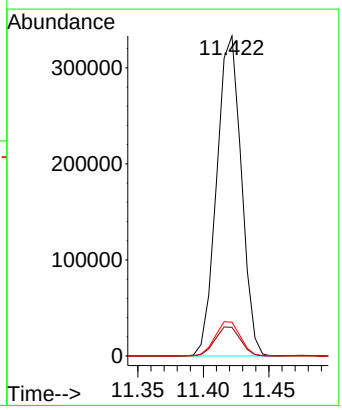
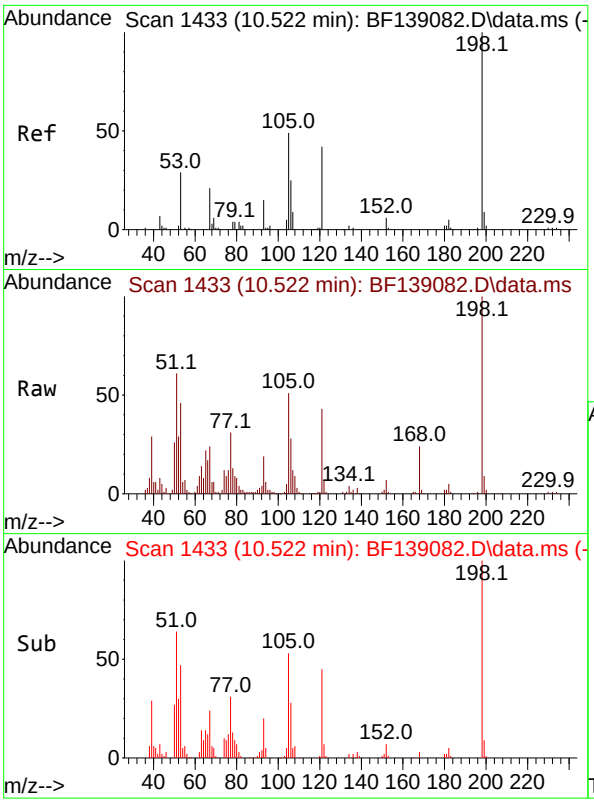


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:188 Resp: 434981

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.6	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 38.689 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:198 Resp: 5566

Ion	Ratio	Lower	Upper
198	100		
51	60.8	40.8	80.8
105	50.9	30.9	70.9

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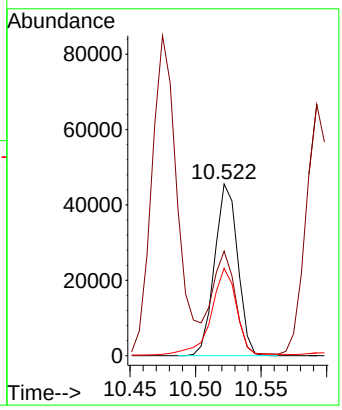
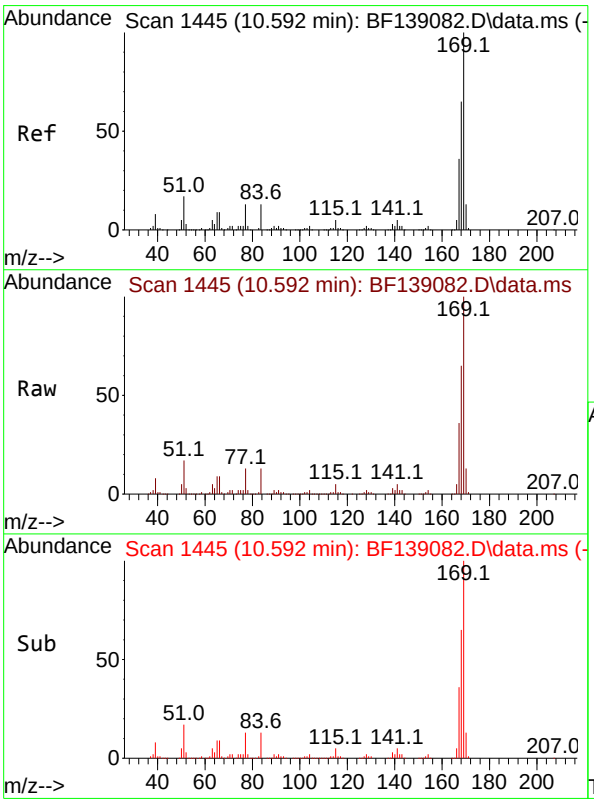
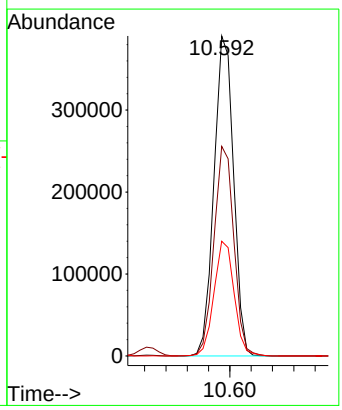


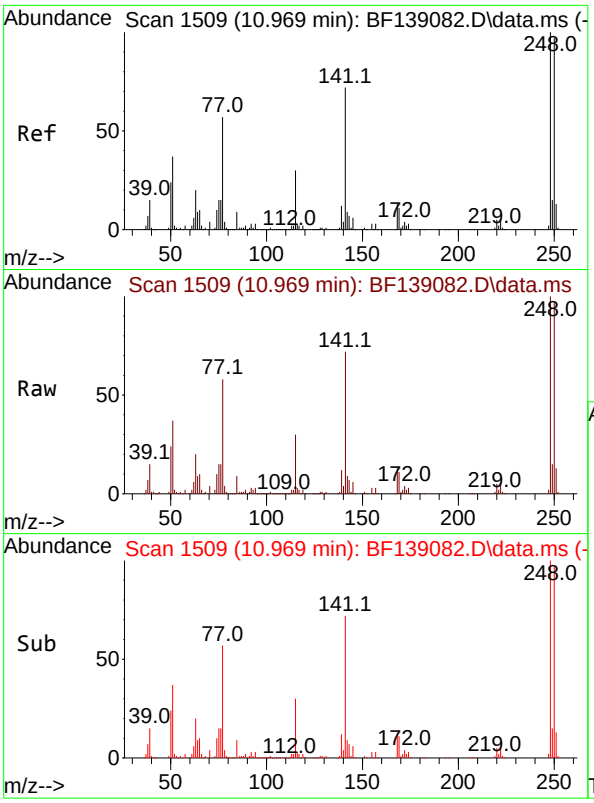


#66
n-Nitrosodiphenylamine
Concen: 38.604 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:169 Resp: 496856

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.4	78.6
167	35.8	28.6	43.0

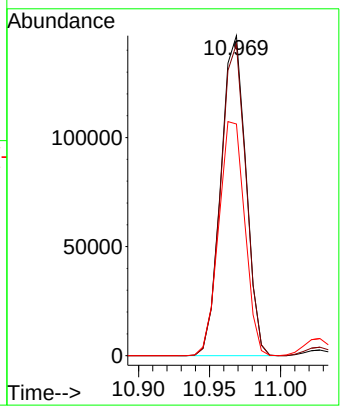




#67
4-Bromophenyl-phenylether
Concen: 39.046 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:248 Resp: 17997

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	72.4	57.9	86.9



Instrument :
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ClientSampleId :
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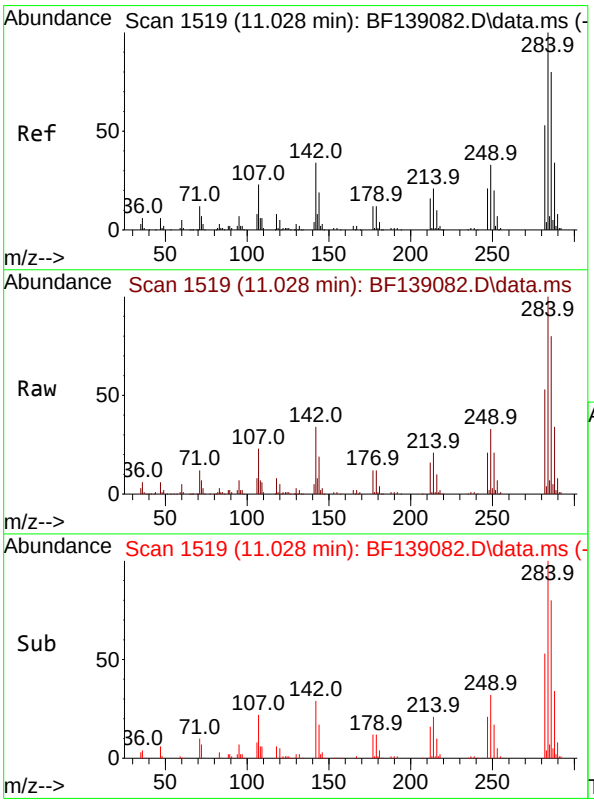
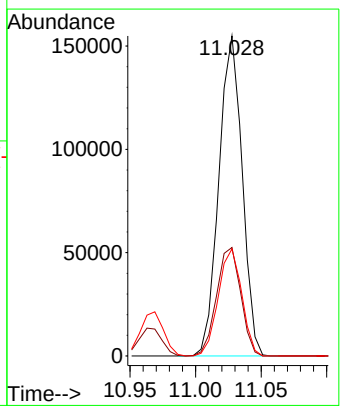
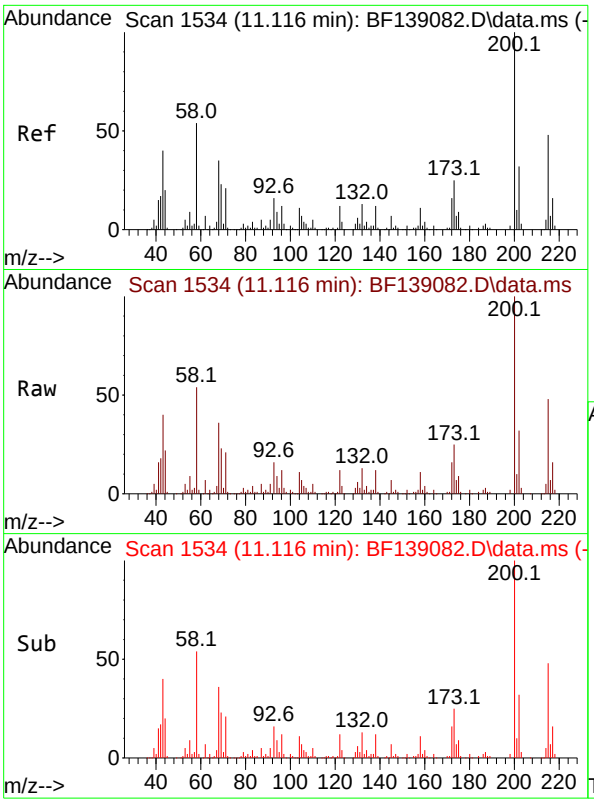


#68
Hexachlorobenzene
Concen: 38.721 ng
RT: 11.028 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:284 Resp: 191471

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	33.5	26.8	40.2

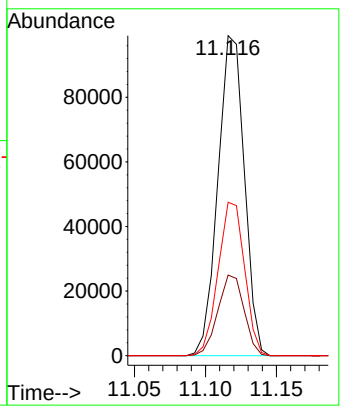




#69
Atrazine
Concen: 32.637 ng
RT: 11.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:200 Resp: 12829

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.2	45.2
215	47.9	27.9	67.9



Instrument :
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ClientSampleId :
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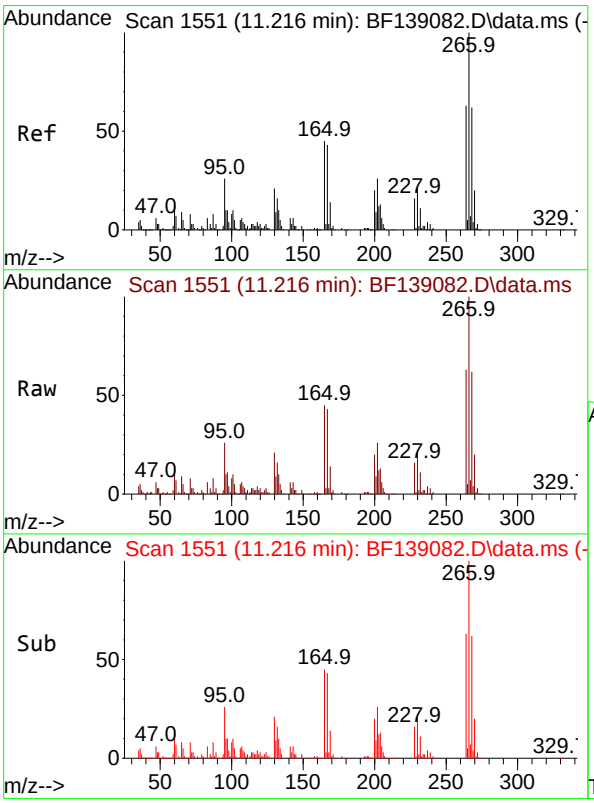
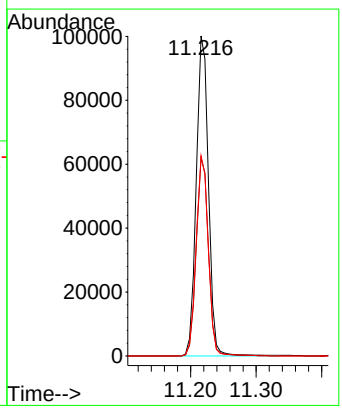
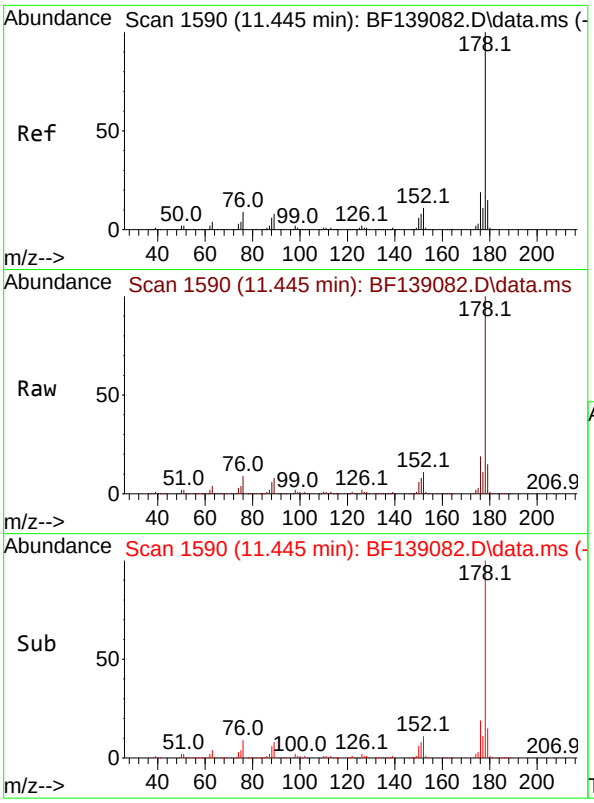


#70
Pentachlorophenol
Concen: 41.067 ng
RT: 11.216 min Scan# 1551
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:266 Resp: 129718

Ion	Ratio	Lower	Upper
266	100		
268	61.9	49.5	74.3
264	62.5	50.0	75.0

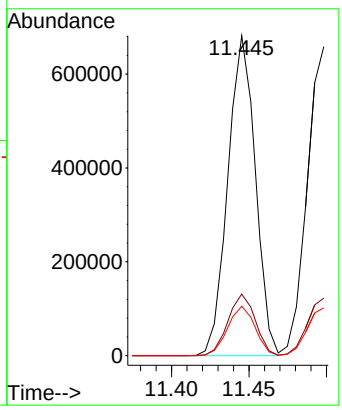




#71
Phenanthrene
Concen: 38.074 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:178 Resp: 84178

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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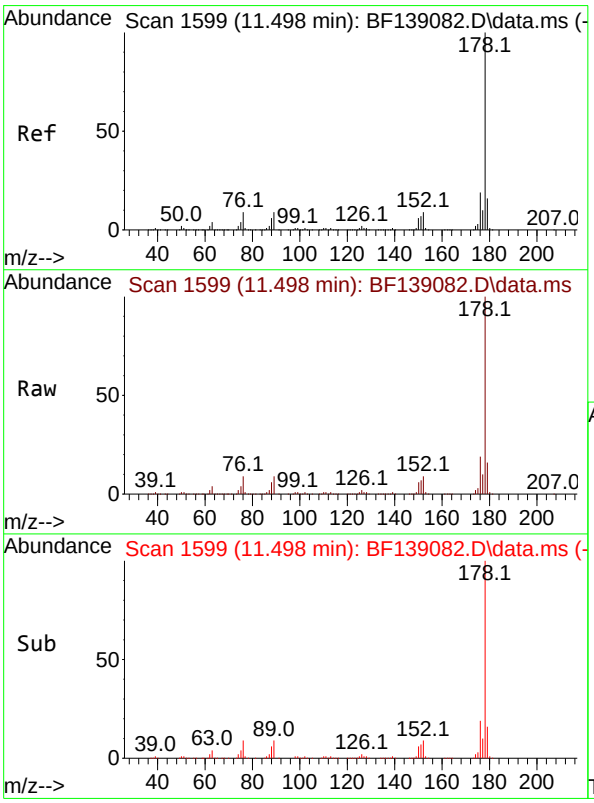
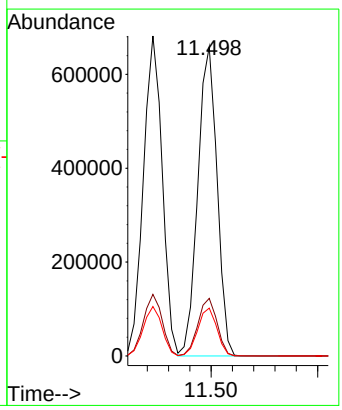
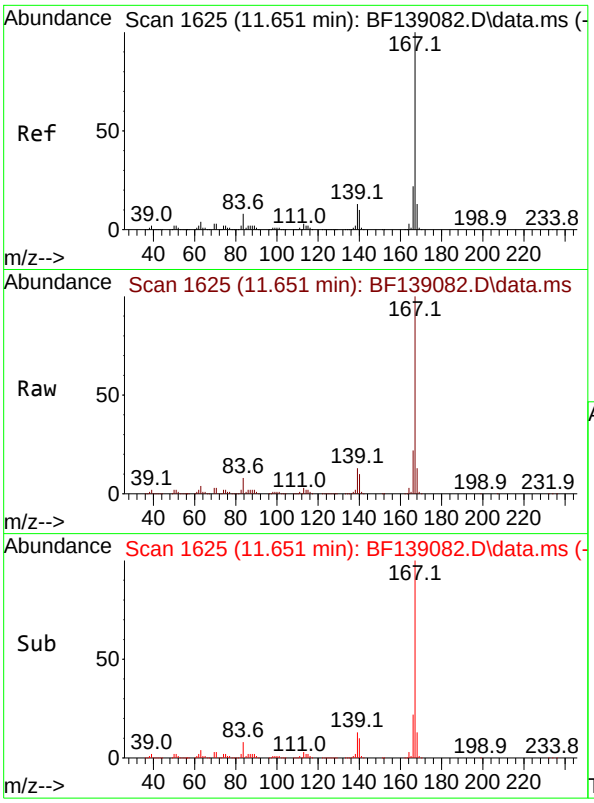


#72
Anthracene
Concen: 38.345 ng
RT: 11.498 min Scan# 1599
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:178 Resp: 829107

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.4	18.6

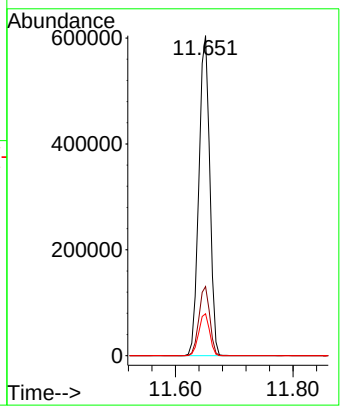




#73
Carbazole
Concen: 38.414 ng
RT: 11.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:167 Resp: 77560

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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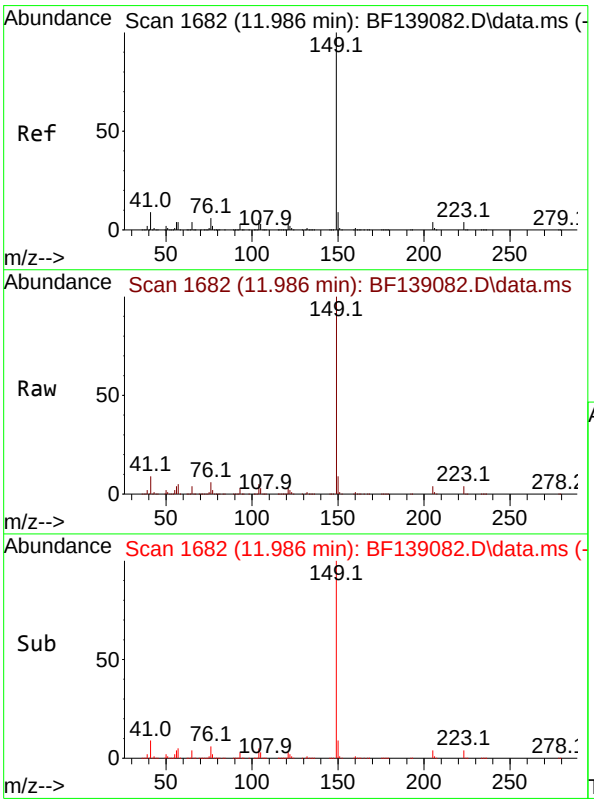
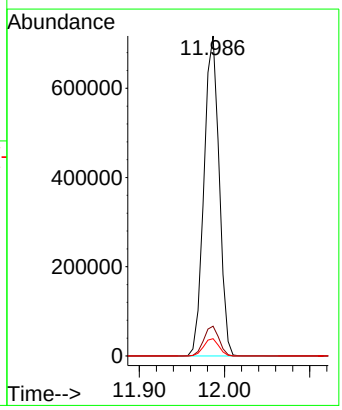
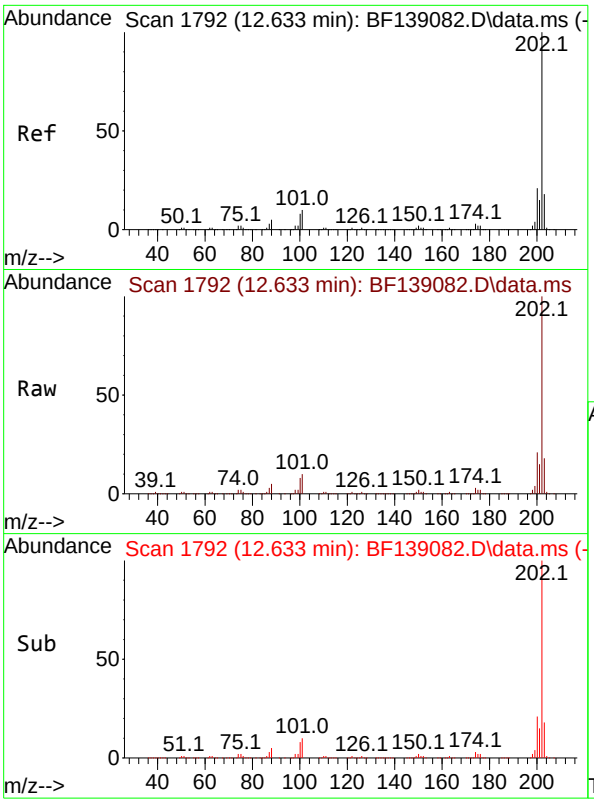


#74
Di-n-butylphthalate
Concen: 37.876 ng
RT: 11.986 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 886730

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	4.3	6.5

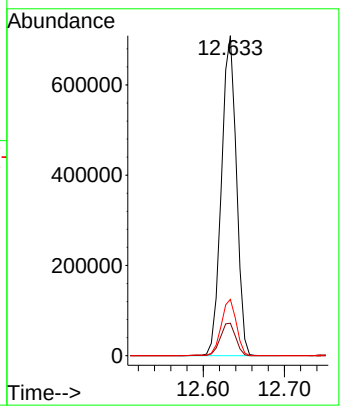




#75
Fluoranthene
Concen: 38.695 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:202 Resp: 91311

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
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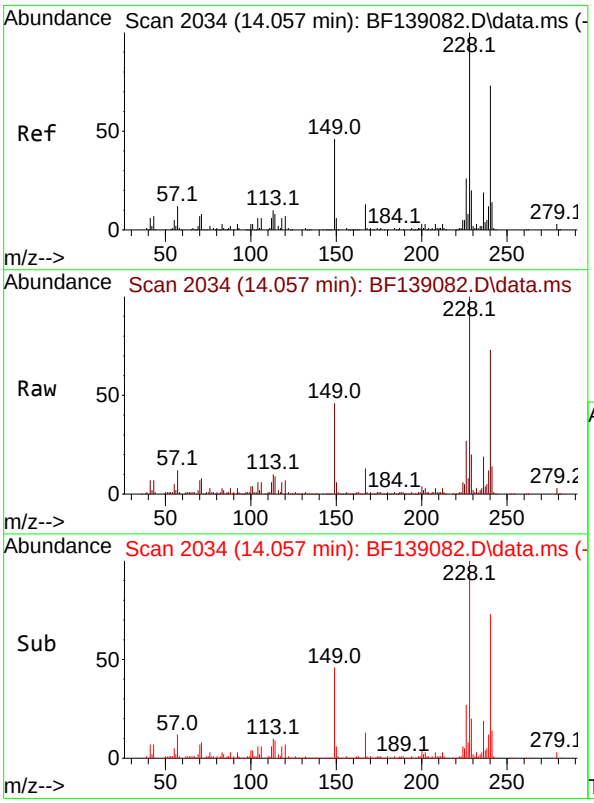
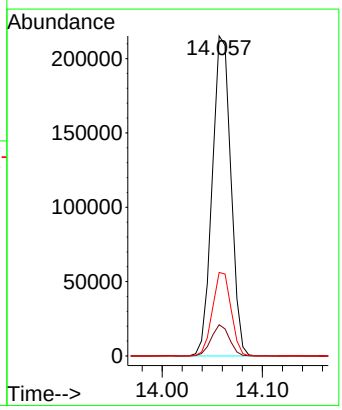
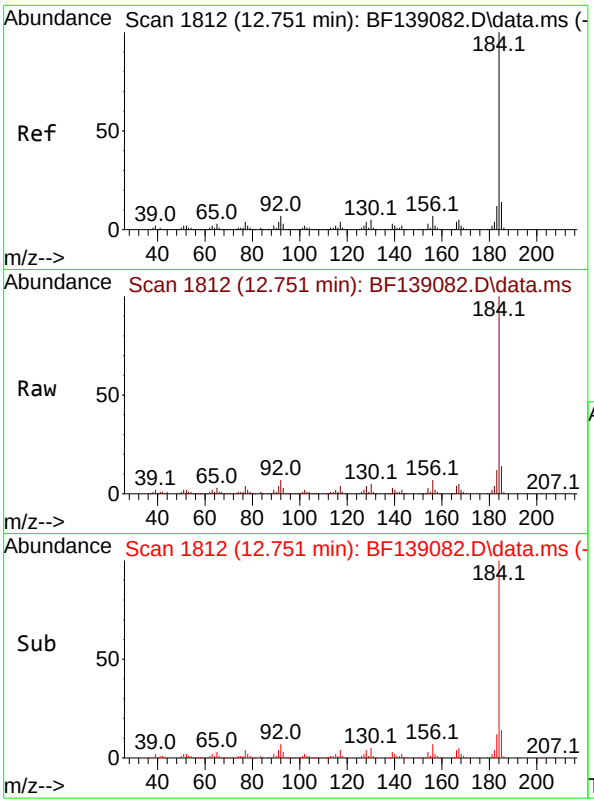


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:240 Resp: 276906

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	26.1	20.9	31.3

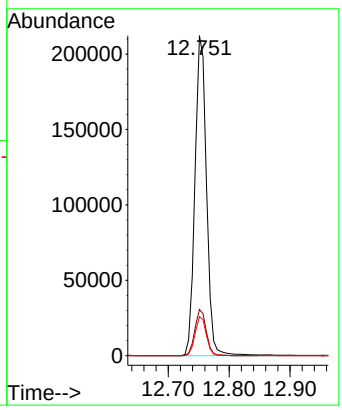




#77
Benzidine
Concen: 48.896 ng
RT: 12.751 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:184 Resp: 27967

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.2	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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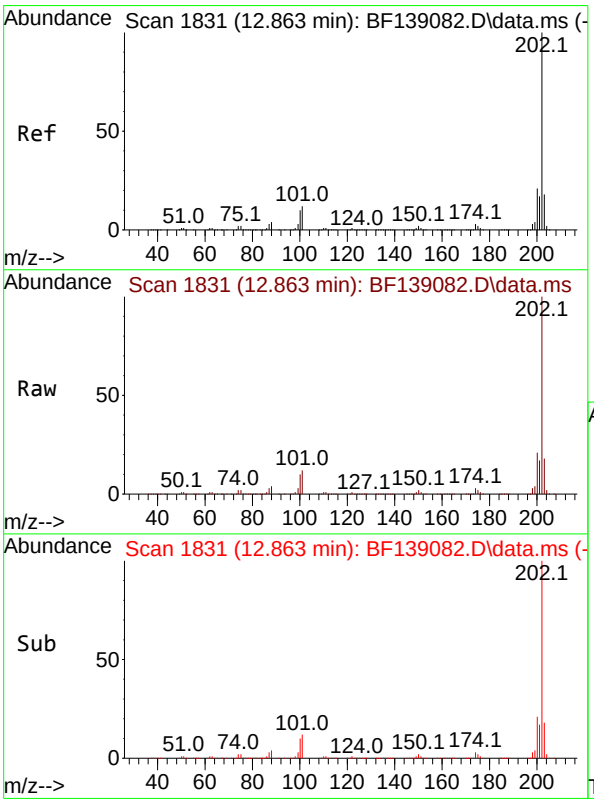
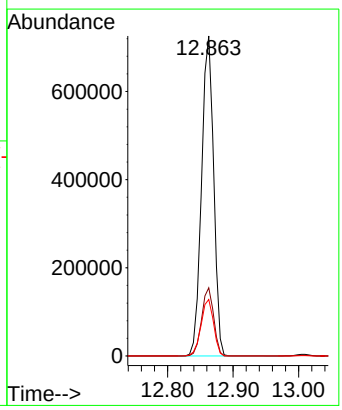
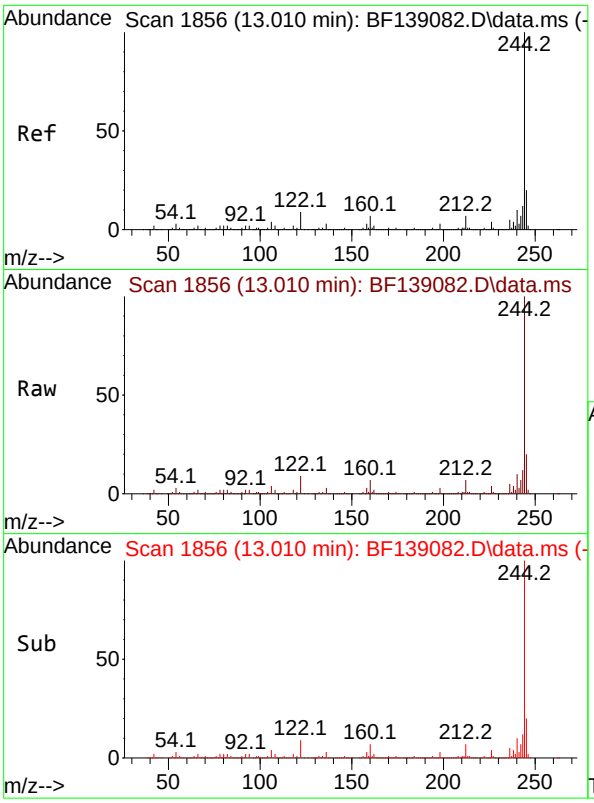


#78
Pyrene
Concen: 40.458 ng
RT: 12.863 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:202 Resp: 934909

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.6	14.1	21.1

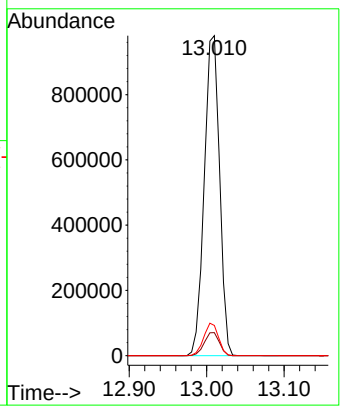




#79
Terphenyl-d14
Concen: 80.454 ng
RT: 13.010 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:244 Resp: 134262

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.5	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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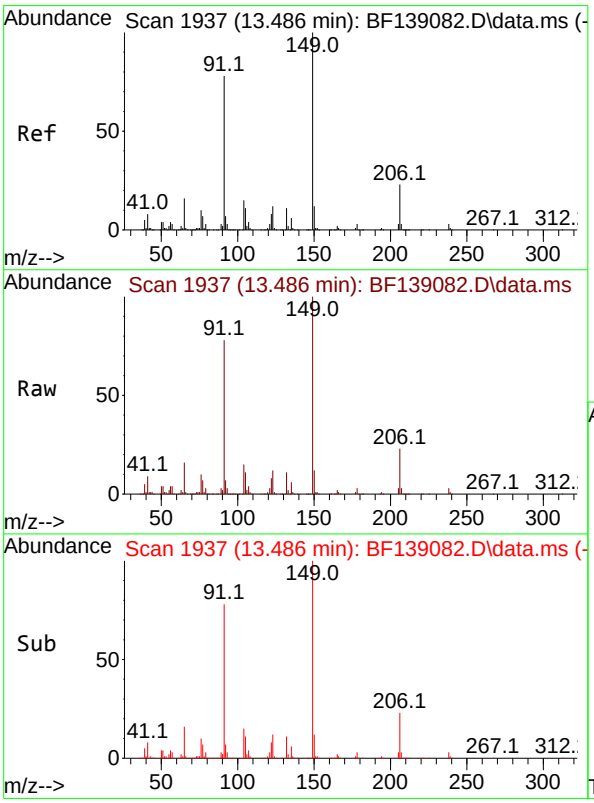
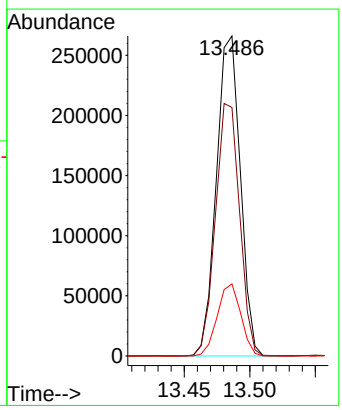
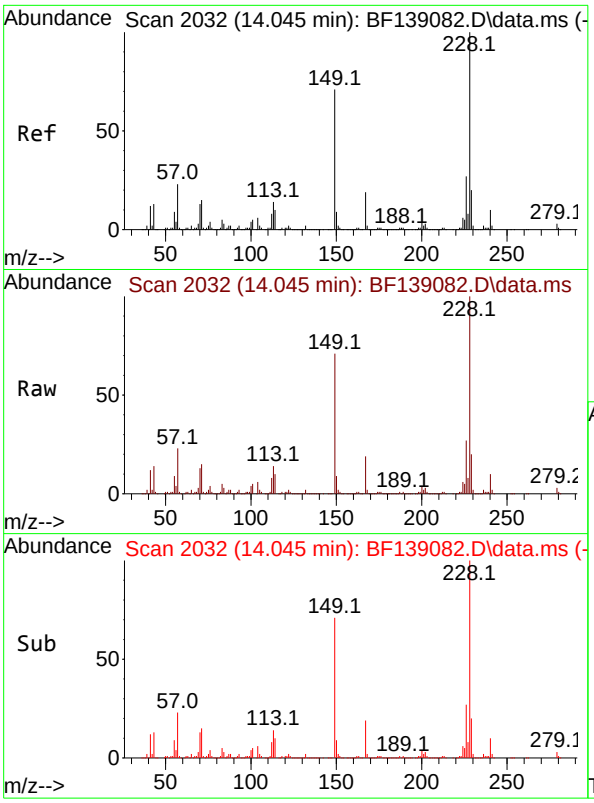


#80
Butylbenzylphthalate
Concen: 42.258 ng
RT: 13.486 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 337836

Ion	Ratio	Lower	Upper
149	100		
91	77.6	62.1	93.1
206	22.5	18.0	27.0

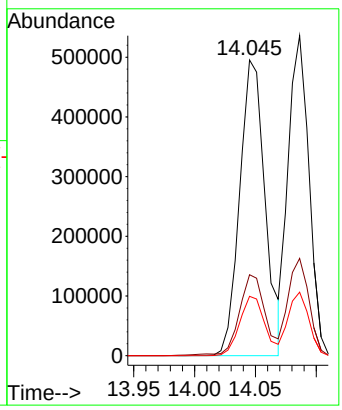




#81
Benzo(a)anthracene
Concen: 39.595 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:228 Resp: 72073

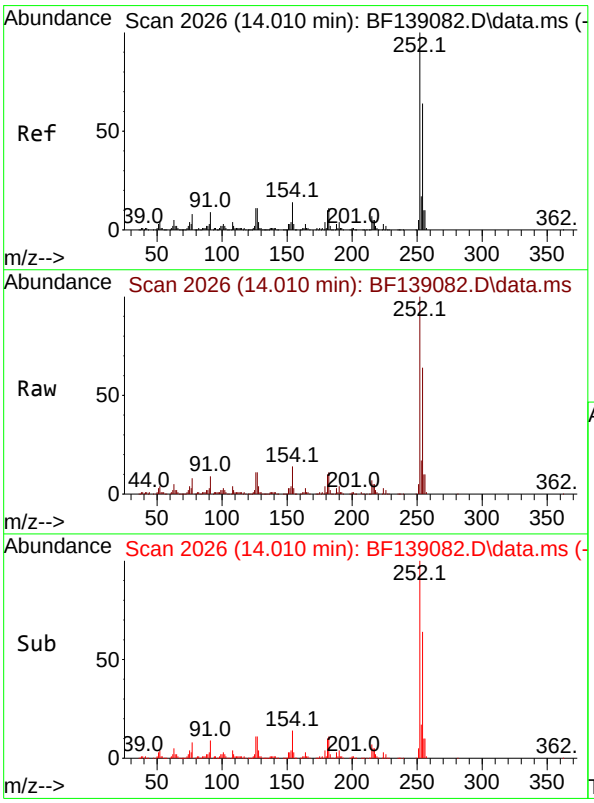
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

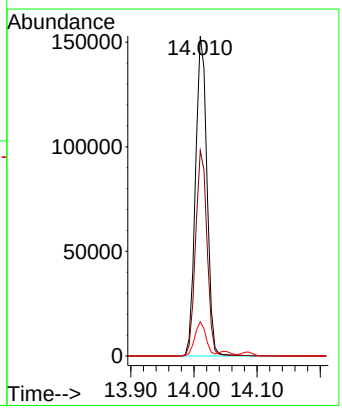
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

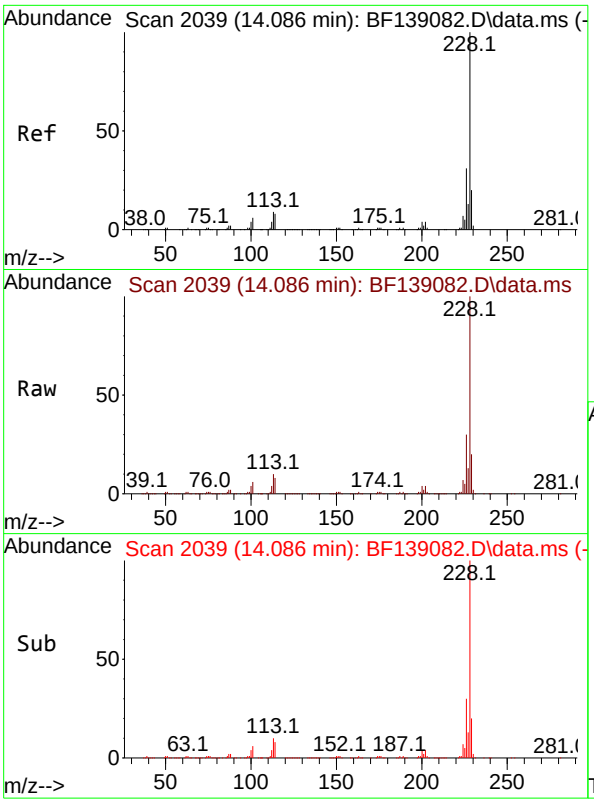


#82
3,3'-Dichlorobenzidine
Concen: 37.946 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 193070

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	10.7	8.6	12.8

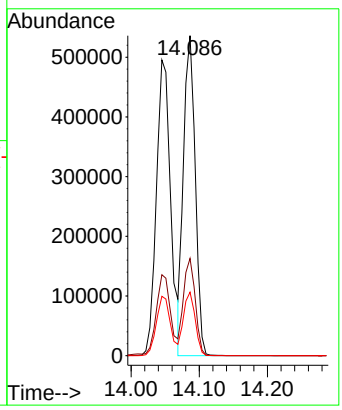




#83
Chrysene
Concen: 38.696 ng
RT: 14.086 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:228 Resp: 63845(

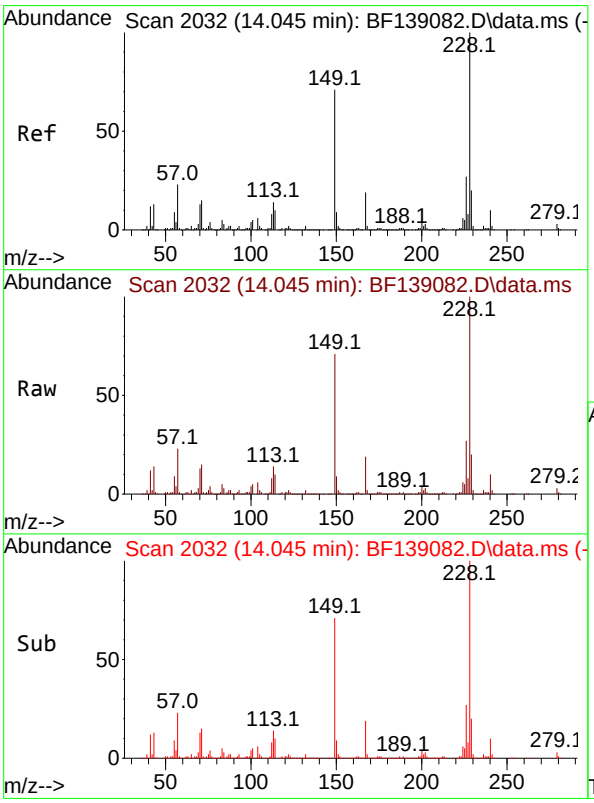
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.8	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

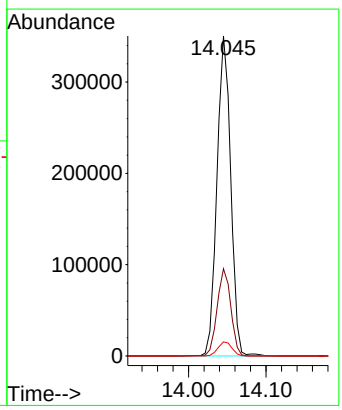
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

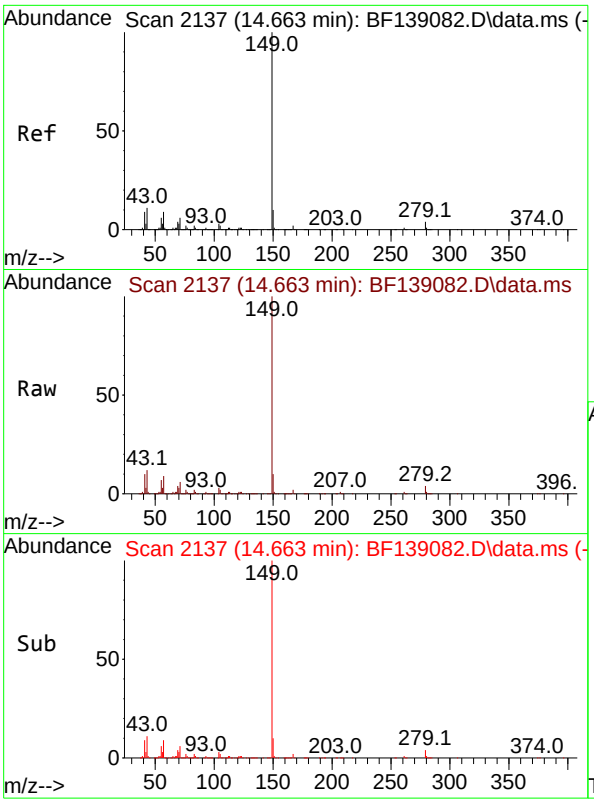


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.689 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 431238

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.4	3.5	5.3

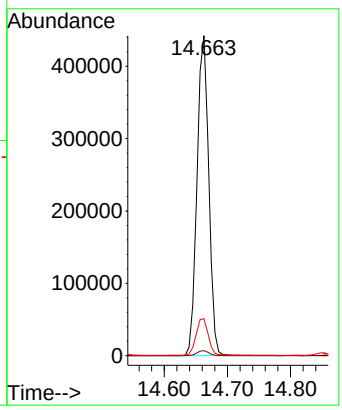




#85
Di-n-octyl phthalate
Concen: 38.335 ng
RT: 14.663 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:149 Resp: 57024

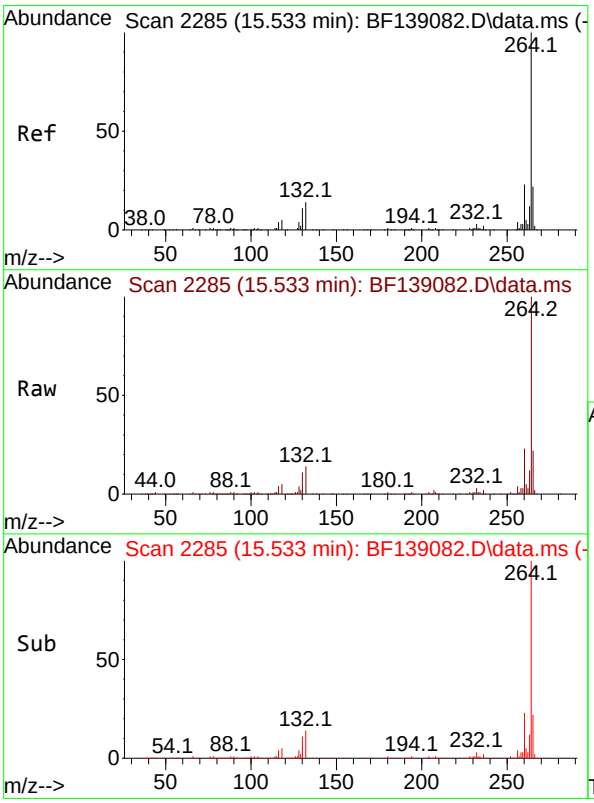
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.0	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

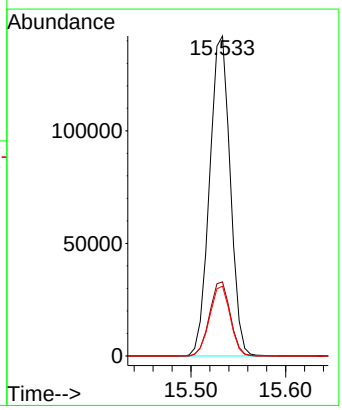
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

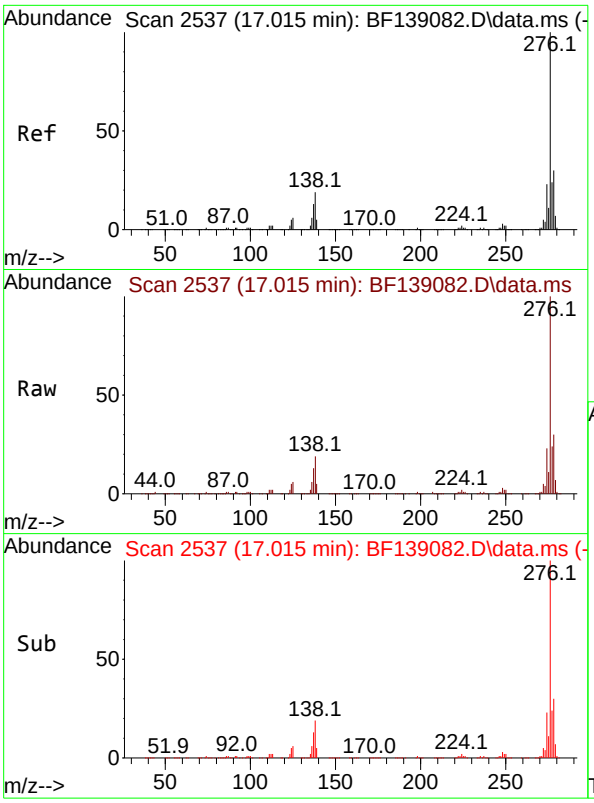


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:264 Resp: 215524

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.8	17.4	26.2

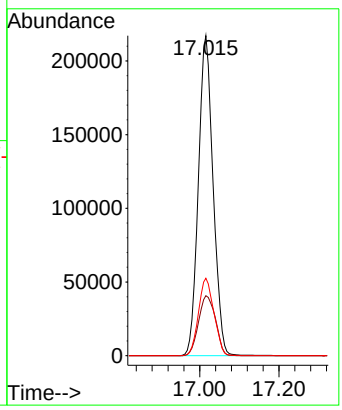




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.364 ng
RT: 17.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:276 Resp: 55959

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.3	25.9
277	25.3	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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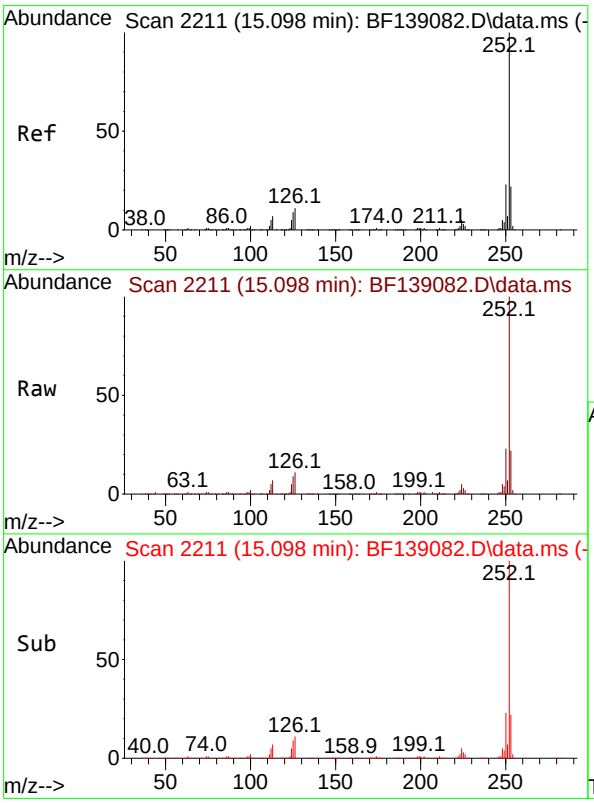
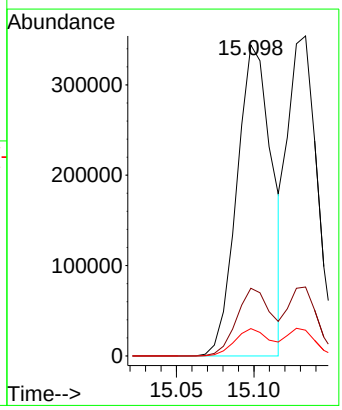
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

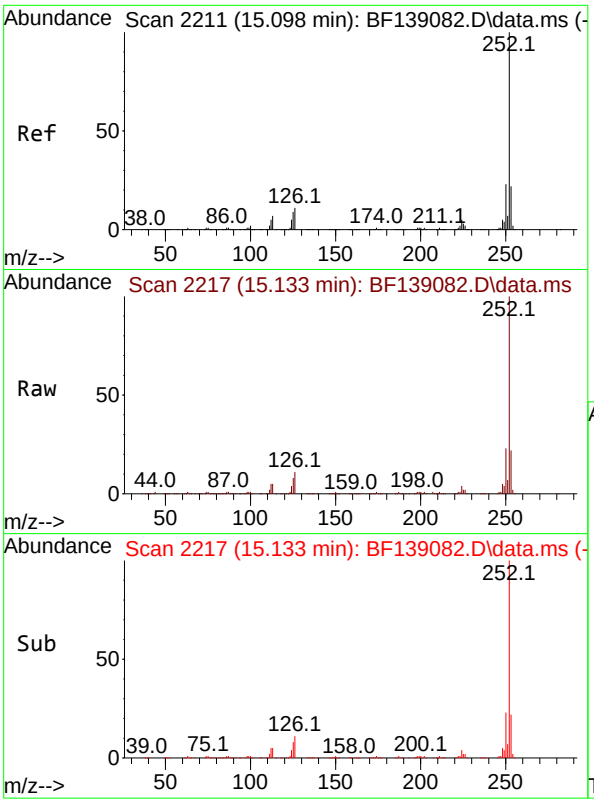


#88
Benzo(b)fluoranthene
Concen: 38.549 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 541644

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.8	7.0	10.6

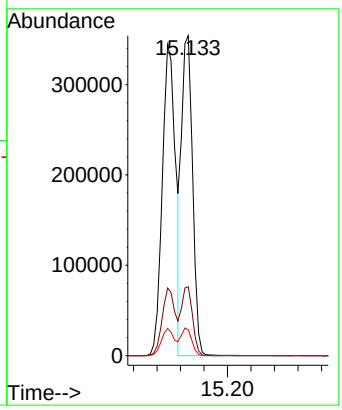




#89
Benzo(k)fluoranthene
Concen: 39.617 ng
RT: 15.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 46362

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	8.0	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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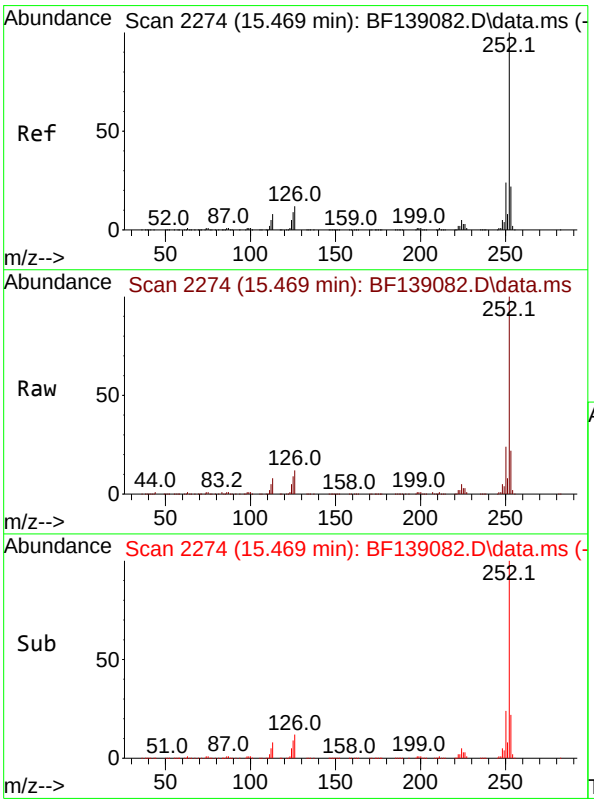
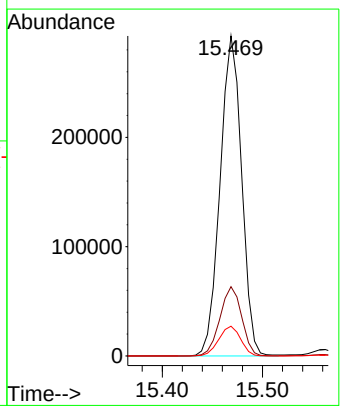
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

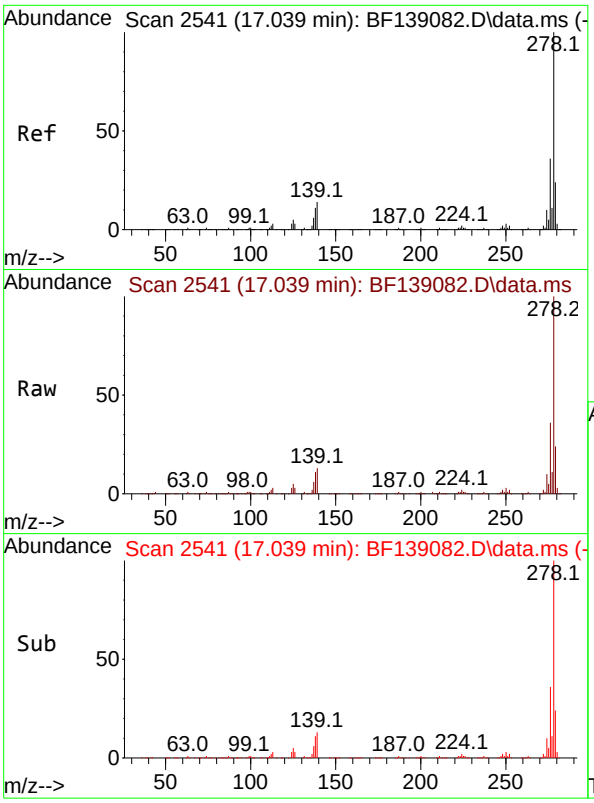


#90
Benzo(a)pyrene
Concen: 39.383 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:252 Resp: 437250

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.3	7.4	11.2

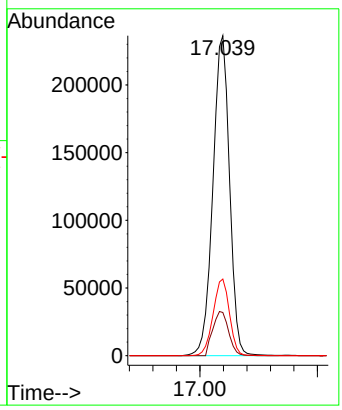




#91
Dibenzo(a,h)anthracene
Concen: 44.880 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:278 Resp: 46470

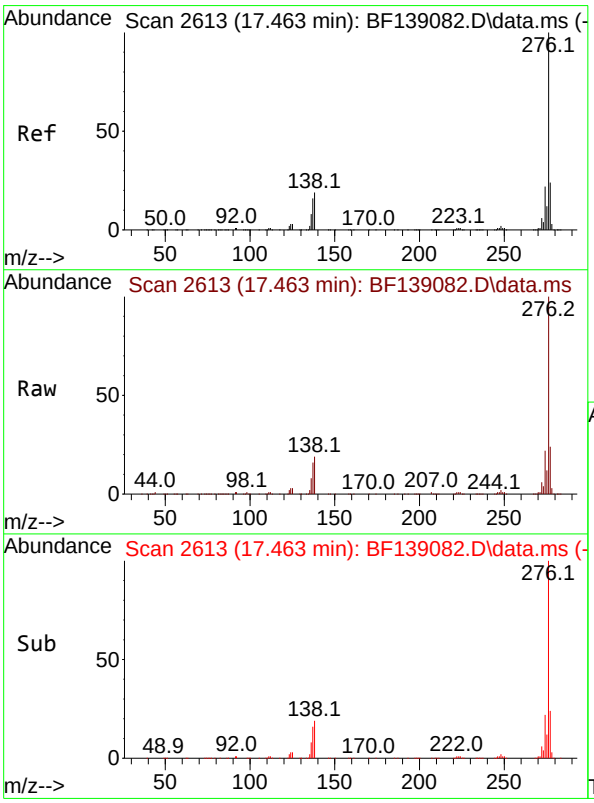
Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.8	16.2
279	24.0	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

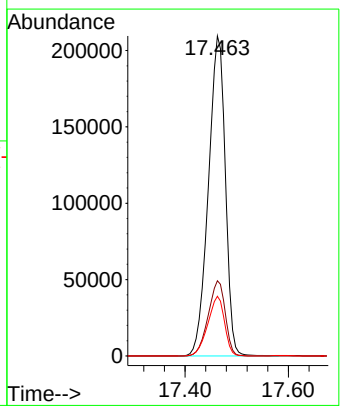
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 40.737 ng
RT: 17.463 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF139082.D
Acq: 20 Aug 2024 19:10

Tgt Ion:276 Resp: 476605

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	18.7	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139083.D
Acq On : 20 Aug 2024 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 21 01:16:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	120087	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	428233	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	244726	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	435216	20.000	ng		0.00
76) Chrysene-d12	14.057	240	257983	20.000	ng		0.00
86) Perylene-d12	15.533	264	221684	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	709868	90.946	ng		0.00
7) Phenol-d6	6.528	99	927595	91.973	ng		0.00
23) Nitrobenzene-d5	7.463	82	780517	106.205	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	228423	103.104	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1403411	90.986	ng		0.00
79) Terphenyl-d14	13.010	244	1602961	103.099	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	158525	47.352	ng		98
3) Pyridine	3.446	79	397241	46.694	ng		98
4) n-Nitrosodimethylamine	3.416	42	230786	44.907	ng		98
6) Aniline	6.563	93	441143	48.452	ng		98
8) 2-Chlorophenol	6.687	128	348670	46.443	ng		97
9) Benzaldehyde	6.451	77	253071	42.784	ng		98
10) Phenol	6.540	94	482496	45.979	ng		99
11) bis(2-Chloroethyl)ether	6.640	93	362974	43.175	ng		99
12) 1,3-Dichlorobenzene	6.840	146	412211	45.667	ng		99
13) 1,4-Dichlorobenzene	6.916	146	414519	45.930	ng		99
14) 1,2-Dichlorobenzene	7.069	146	383462	46.490	ng		99
15) Benzyl Alcohol	7.040	79	367836	46.146	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	530737	44.645	ng		99
17) 2-Methylphenol	7.145	107	300054	46.718	ng		99
18) Hexachloroethane	7.410	117	145566	45.997	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	286633	43.277	ng		98
20) 3+4-Methylphenols	7.304	107	377765	45.396	ng	#	87
22) Acetophenone	7.310	105	522165	47.756	ng	#	96
24) Nitrobenzene	7.487	77	422770	51.754	ng		99
25) Isophorone	7.722	82	742295	47.521	ng		99
26) 2-Nitrophenol	7.798	139	134698	47.369	ng		99
27) 2,4-Dimethylphenol	7.828	122	234033	47.248	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	420910	46.117	ng		99
29) 2,4-Dichlorophenol	8.034	162	297490	48.209	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	336604	46.584	ng		99
31) Naphthalene	8.204	128	1011804	46.625	ng		100
32) Benzoic acid	7.951	122	196362	47.307	ng		96
33) 4-Chloroaniline	8.257	127	353187	47.522	ng		99
34) Hexachlorobutadiene	8.322	225	220457	46.706	ng		98
35) Caprolactam	8.628	113	95778	48.962	ng		96
36) 4-Chloro-3-methylphenol	8.728	107	325883	47.695	ng		100
37) 2-Methylnaphthalene	8.892	142	639945	45.976	ng		100
38) 1-Methylnaphthalene	8.992	142	626401	46.628	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	324789	48.823	ng		99
41) Hexachlorocyclopentadiene	9.045	237	129139	50.150	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	220485	48.765	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139083.D
Acq On : 20 Aug 2024 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 21 01:16:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	222250	47.888	ng		99
46) 1,1'-Biphenyl	9.357	154	796005	47.482	ng		99
47) 2-Chloronaphthalene	9.381	162	640430	47.016	ng		99
48) 2-Nitroaniline	9.475	65	185732	47.625	ng		99
49) Acenaphthylene	9.798	152	931863	47.756	ng		99
50) Dimethylphthalate	9.663	163	722749	47.837	ng		100
51) 2,6-Dinitrotoluene	9.722	165	148393	48.876	ng		96
52) Acenaphthene	9.969	154	602546	46.747	ng		100
53) 3-Nitroaniline	9.886	138	148944	48.524	ng		97
54) 2,4-Dinitrophenol	9.986	184	48952	48.733	ng	#	71
55) Dibenzofuran	10.139	168	881838	47.102	ng		100
56) 4-Nitrophenol	10.033	139	121765	53.318	ng		97
57) 2,4-Dinitrotoluene	10.122	165	181675	47.840	ng		98
58) Fluorene	10.486	166	698713	46.700	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	187360	50.280	ng		99
60) Diethylphthalate	10.363	149	718768	48.014	ng		100
61) 4-Chlorophenyl-phenyle...	10.475	204	350687	46.930	ng		99
62) 4-Nitroaniline	10.504	138	151761	48.866	ng		99
63) Azobenzene	10.639	77	793171	47.679	ng		100
65) 4,6-Dinitro-2-methylph...	10.528	198	77438	49.099	ng		97
66) n-Nitrosodiphenylamine	10.598	169	591363	45.922	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	216829	47.017	ng		99
68) Hexachlorobenzene	11.027	284	233747	47.245	ng		100
69) Atrazine	11.122	200	177936	45.242	ng		99
70) Pentachlorophenol	11.216	266	161268	51.028	ng		98
71) Phenanthrene	11.445	178	1020127	46.116	ng		100
72) Anthracene	11.498	178	1005538	46.480	ng		100
73) Carbazole	11.651	167	940634	46.563	ng		100
74) Di-n-butylphthalate	11.986	149	1074018	45.851	ng		100
75) Fluoranthene	12.633	202	1088934	46.121	ng		100
77) Benzidine	12.751	184	283155	53.135	ng		99
78) Pyrene	12.863	202	1099257	51.059	ng		100
80) Butylbenzylphthalate	13.486	149	389571	52.304	ng		99
81) Benzo(a)anthracene	14.051	228	794569	46.853	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	212078	44.739	ng		99
83) Chrysene	14.086	228	716847	46.635	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	492852	49.913	ng		100
85) Di-n-octyl phthalate	14.663	149	643574	46.438	ng		100
87) Indeno(1,2,3-cd)pyrene	17.015	276	725173	55.893	ng		100
88) Benzo(b)fluoranthene	15.104	252	639143	44.224	ng		99
89) Benzo(k)fluoranthene	15.133	252	564533	46.900	ng		99
90) Benzo(a)pyrene	15.468	252	543904	47.628	ng		99
91) Dibenzo(a,h)anthracene	17.039	278	593343	55.711	ng		99
92) Benzo(g,h,i)perylene	17.468	276	611003	50.085	ng		100

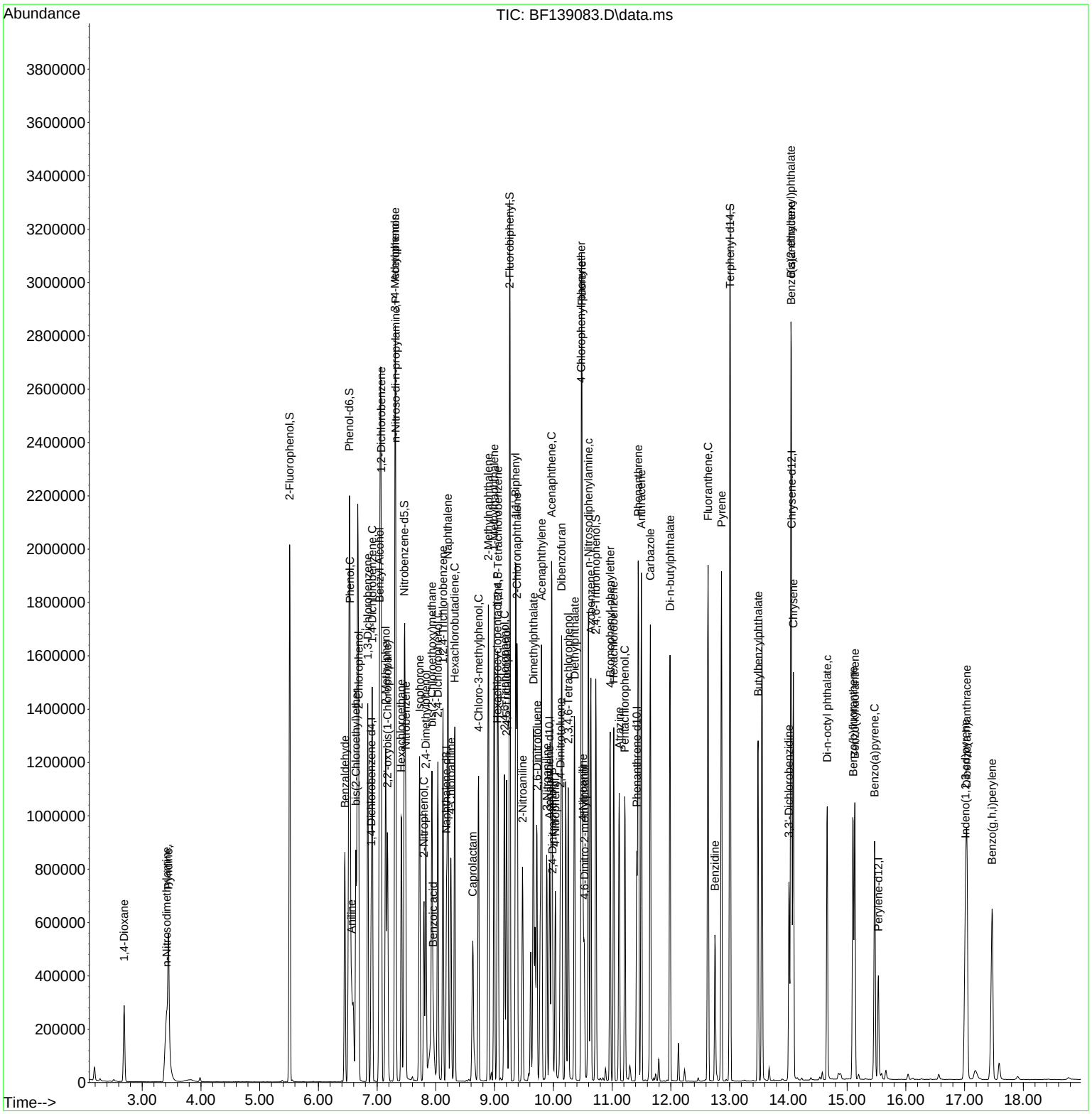
(#) = qualifier out of range (m) = manual integration (+) = signals summed

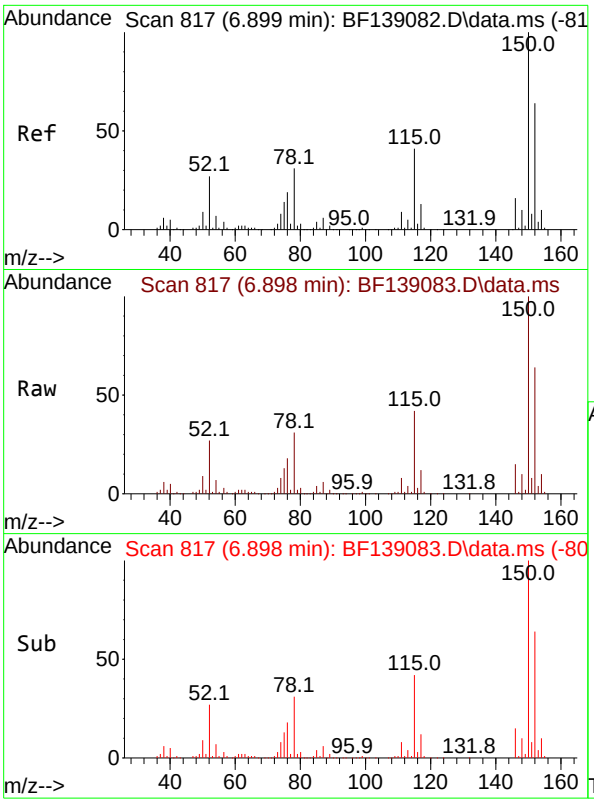
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139083.D
Acq On : 20 Aug 2024 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 21 01:16:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration



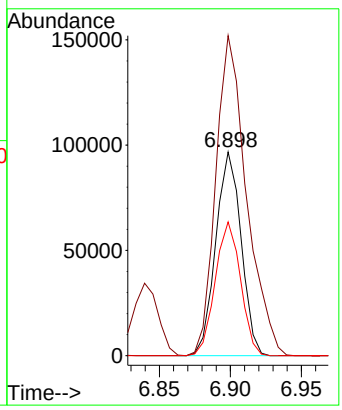


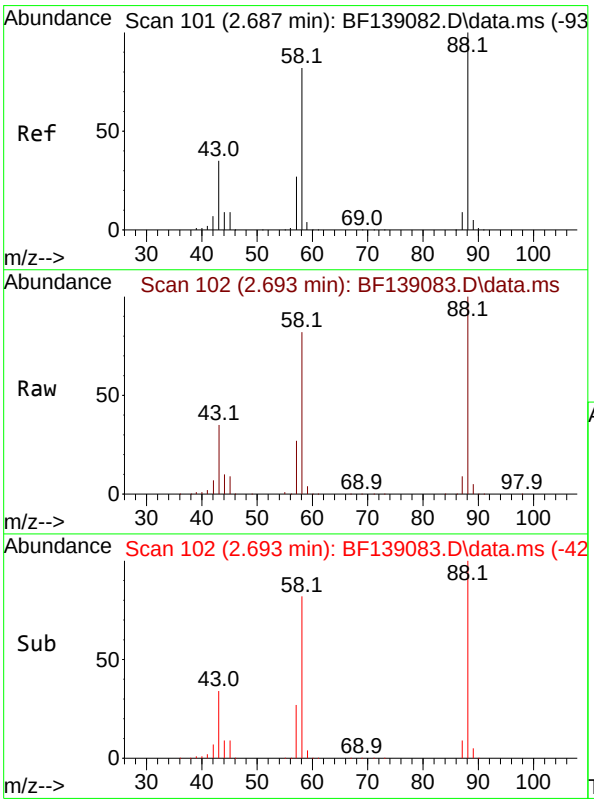
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 120087

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.1	187.7
115	65.7	51.8	77.6

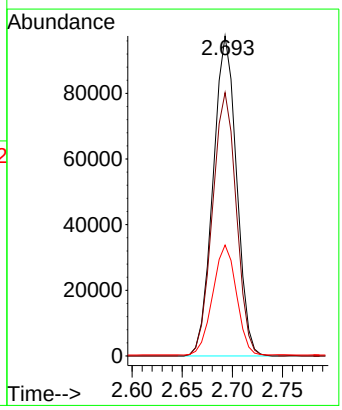


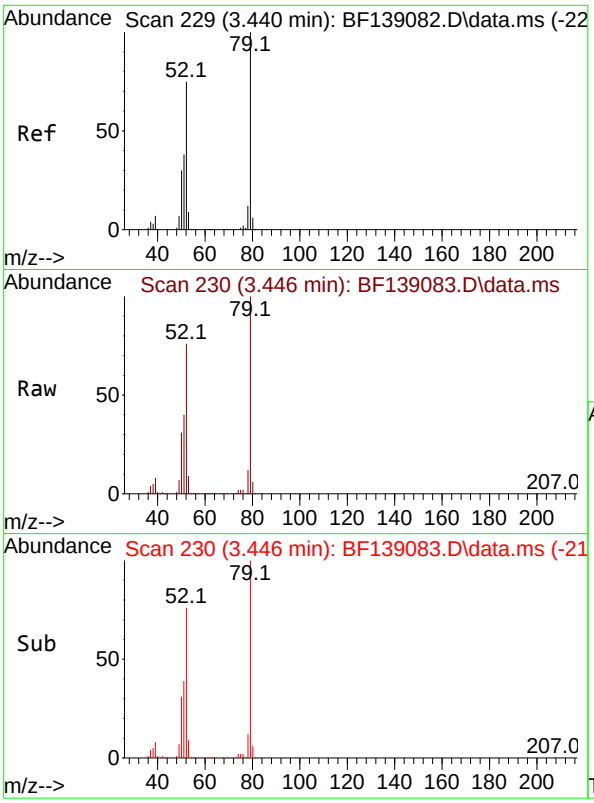


#2
1,4-Dioxane
Concen: 47.352 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 88 Resp: 158525

Ion	Ratio	Lower	Upper
88	100		
58	83.5	65.4	98.0
43	34.7	27.9	41.9



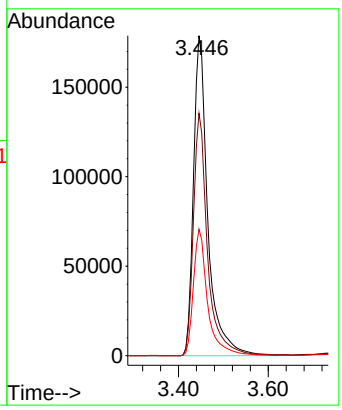


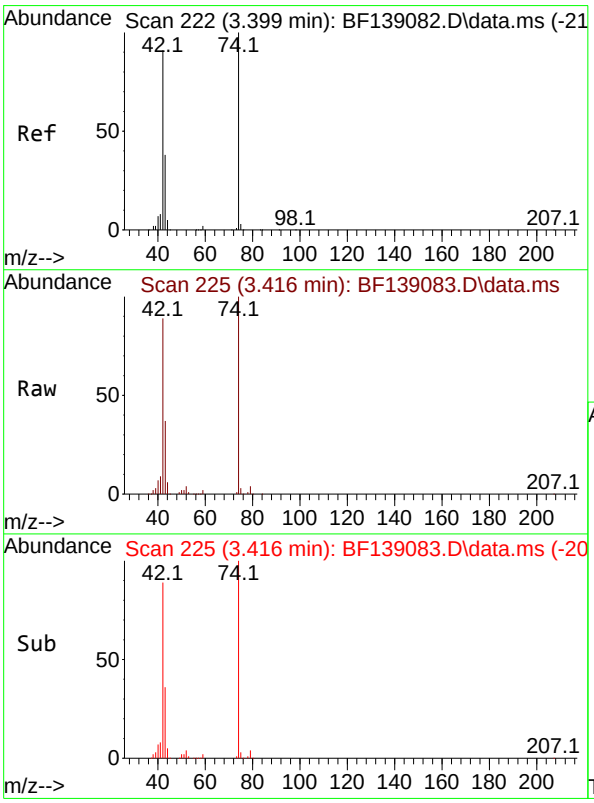
#3
Pyridine
Concen: 46.694 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 397241

Ion	Ratio	Lower	Upper
79	100		
52	75.8	59.7	89.5
51	39.5	30.6	45.8

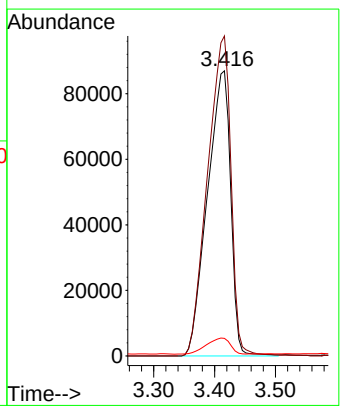


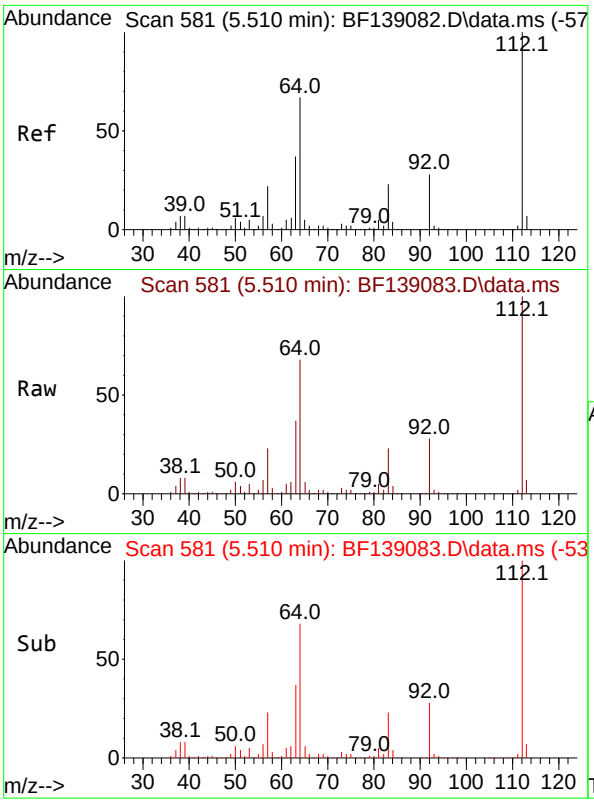


#4
n-Nitrosodimethylamine
Concen: 44.907 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.017 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 42 Resp: 230786

Ion	Ratio	Lower	Upper
42	100		
74	112.2	88.2	132.2
44	6.2	5.4	8.0



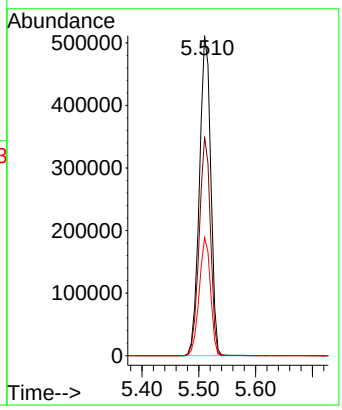


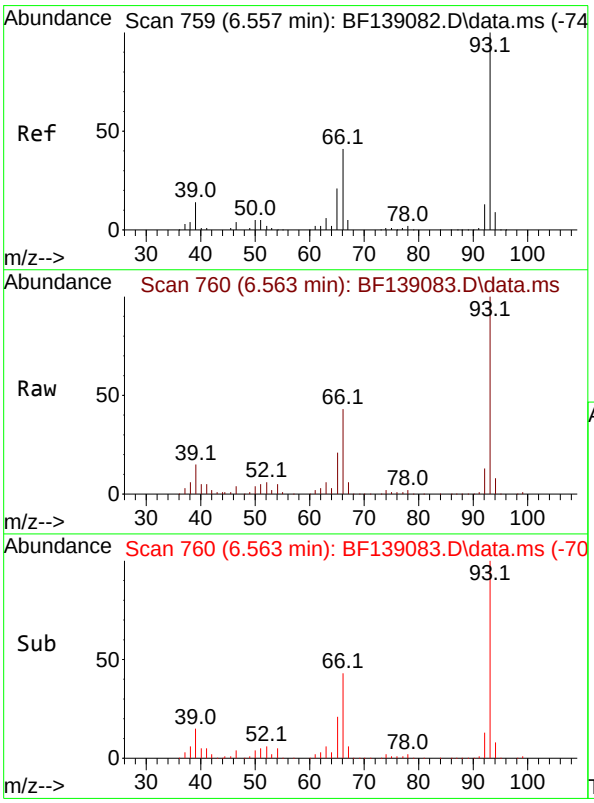
#5
2-Fluorophenol
Concen: 90.946 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 709868

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.8	80.6
63	36.9	29.4	44.2

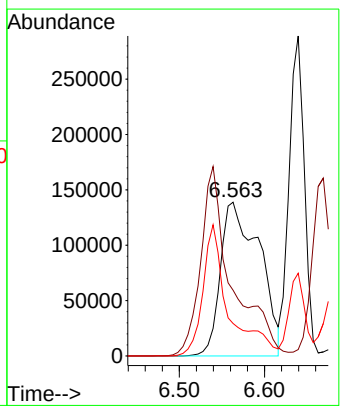


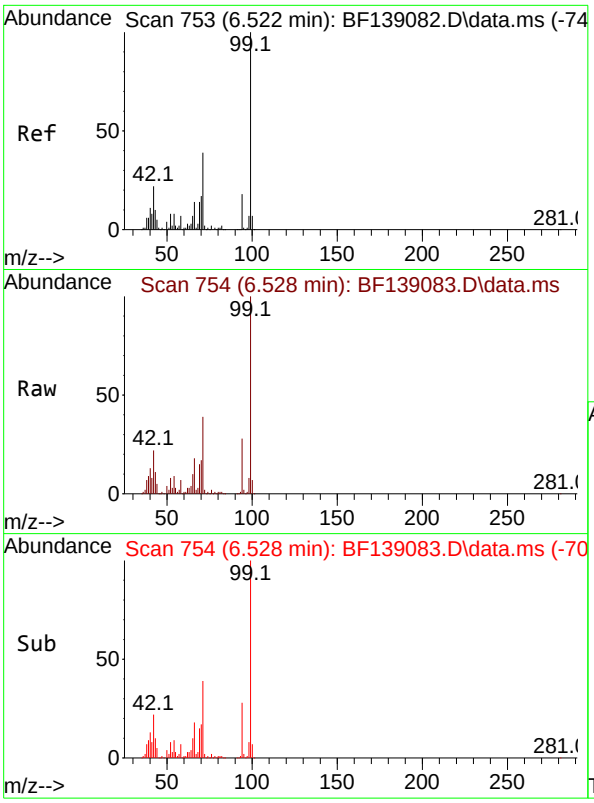


#6
Aniline
Concen: 48.452 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 93 Resp: 441143

Ion	Ratio	Lower	Upper
93	100		
66	42.8	35.1	52.7
65	21.1	17.4	26.2



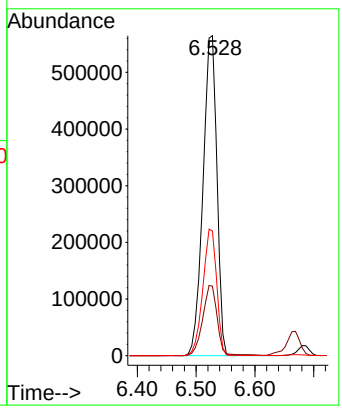


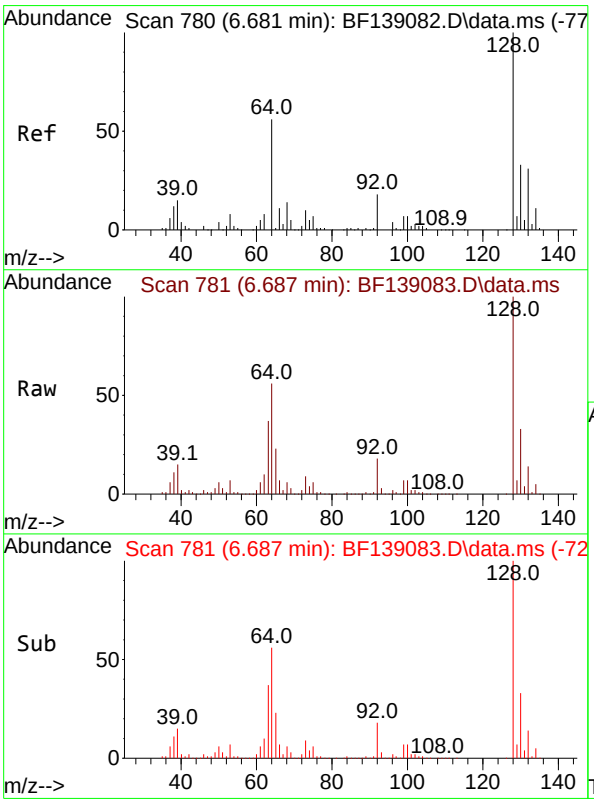
#7
Phenol-d6
Concen: 91.973 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 927595

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.4	26.2
71	38.9	31.2	46.8

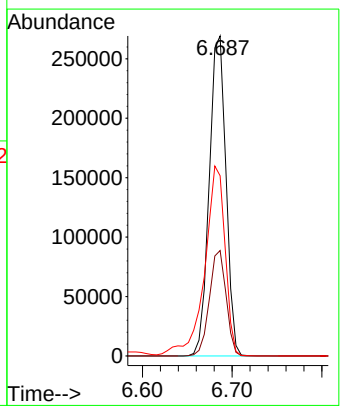


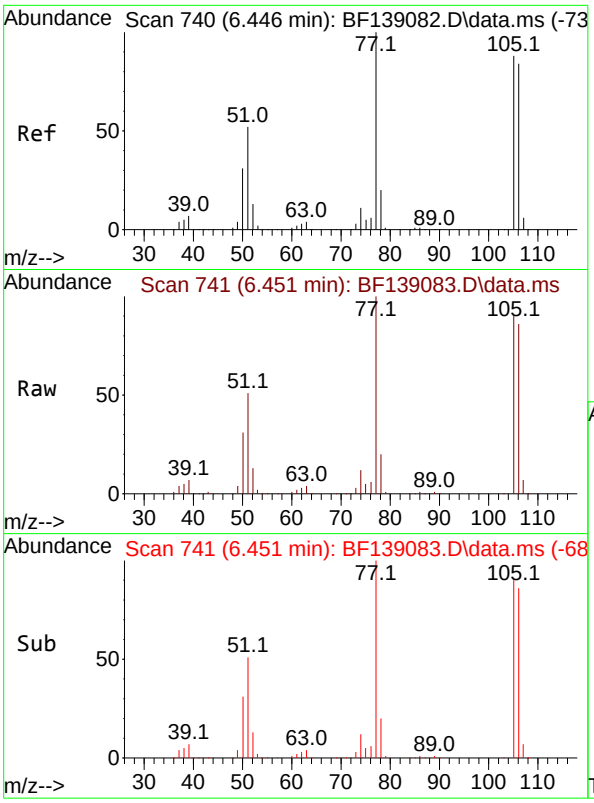


#8
2-Chlorophenol
Concen: 46.443 ng
RT: 6.687 min Scan# 781
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:128 Resp: 348670

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	56.3	39.1	79.1



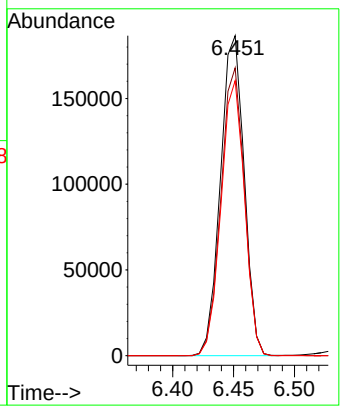


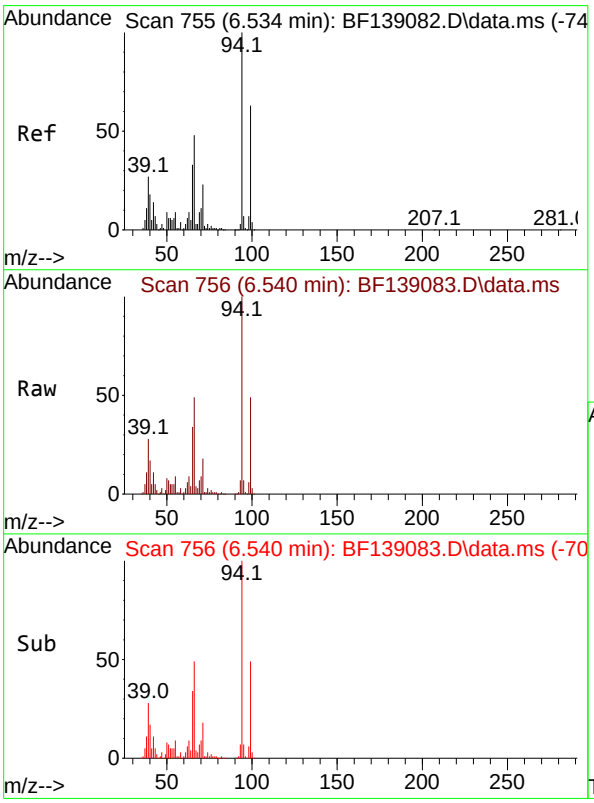
#9
Benzaldehyde
Concen: 42.784 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 253071

Ion	Ratio	Lower	Upper
77	100		
105	90.0	68.2	108.2
106	86.0	63.8	103.8

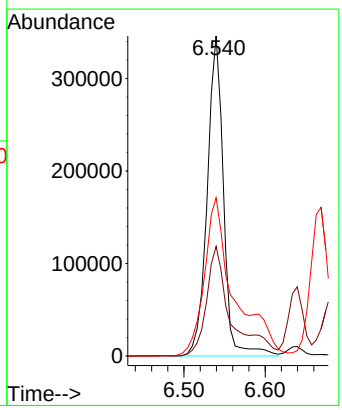


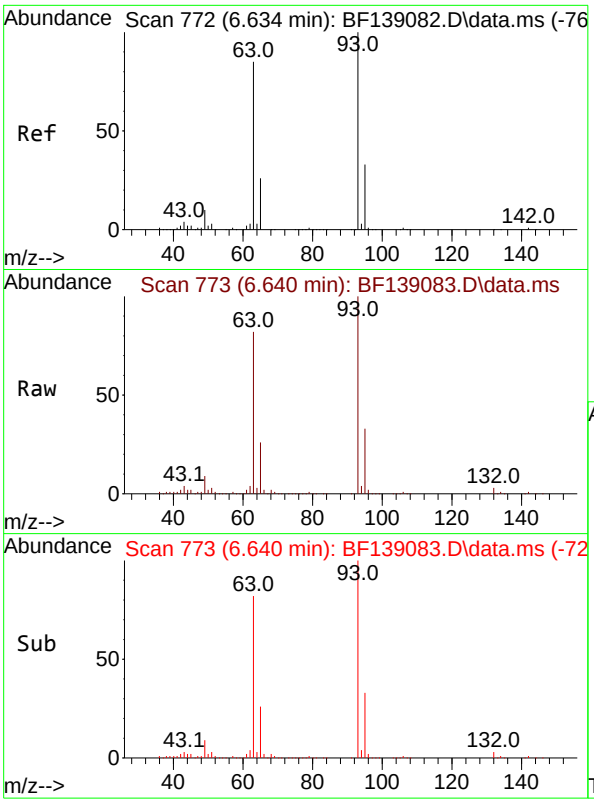


#10
Phenol
Concen: 45.979 ng
RT: 6.540 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 94 Resp: 482496

Ion	Ratio	Lower	Upper
94	100		
65	34.2	13.5	53.5
66	49.4	28.5	68.5



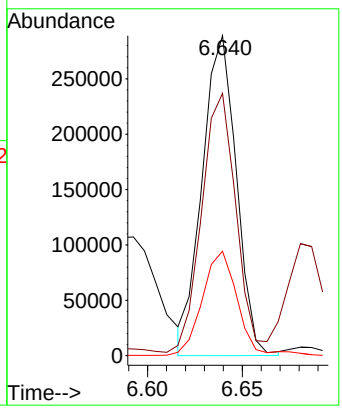


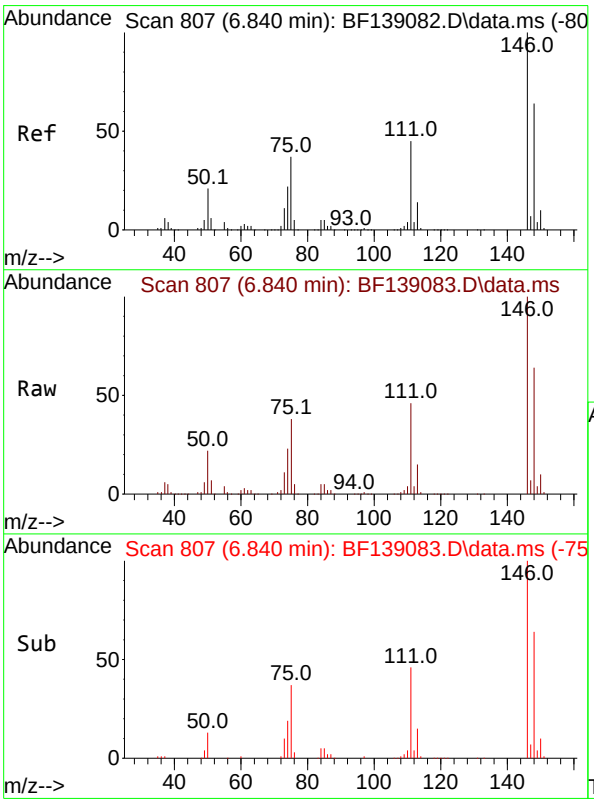
#11
bis(2-Chloroethyl)ether
Concen: 43.175 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 362974

Ion	Ratio	Lower	Upper
93	100		
63	82.0	62.7	102.7
95	32.7	11.9	51.9

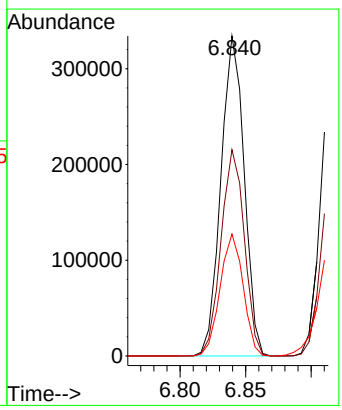


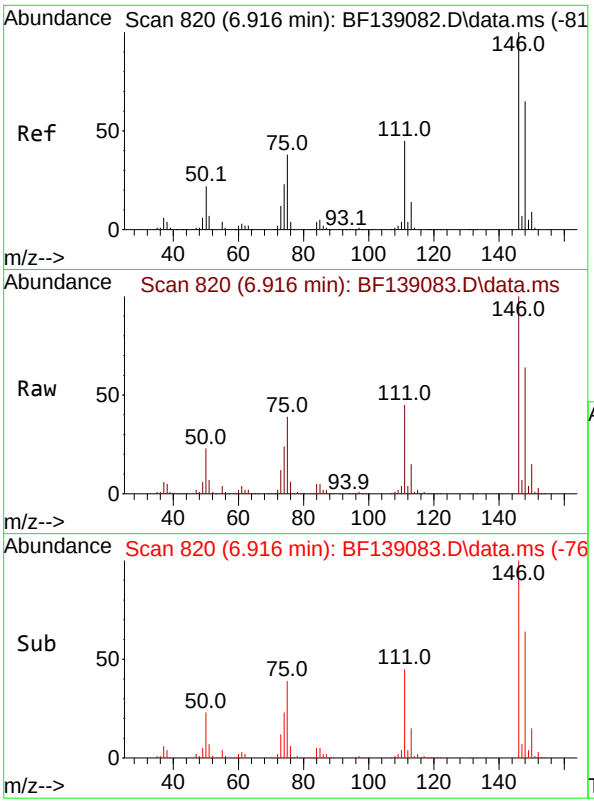


#12
1,3-Dichlorobenzene
Concen: 45.667 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:146 Resp: 412211

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
75	38.1	29.9	44.9



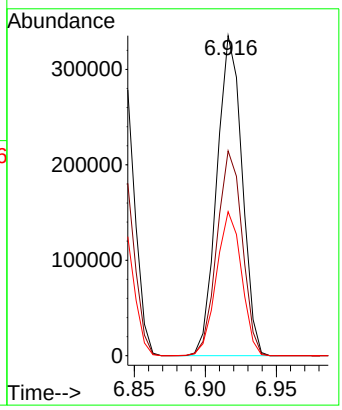


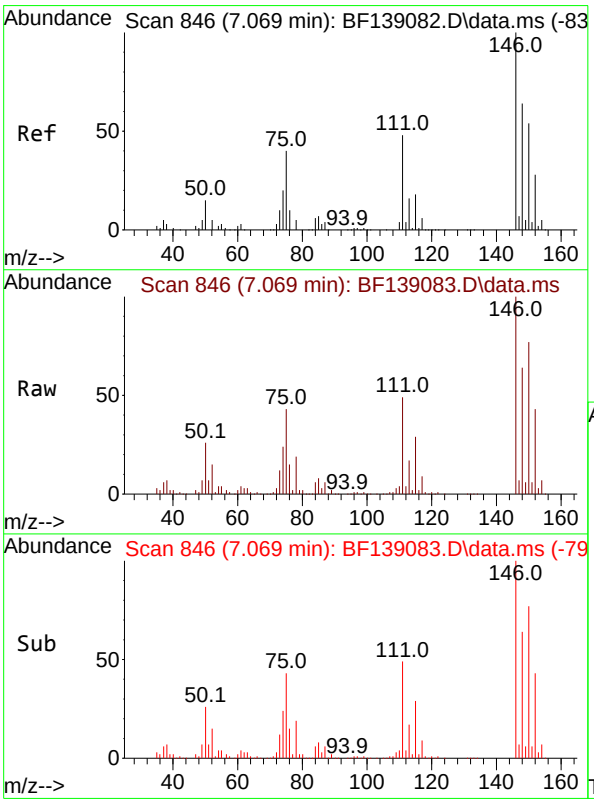
#13
1,4-Dichlorobenzene
Concen: 45.930 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 414519

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	45.0	35.8	53.6

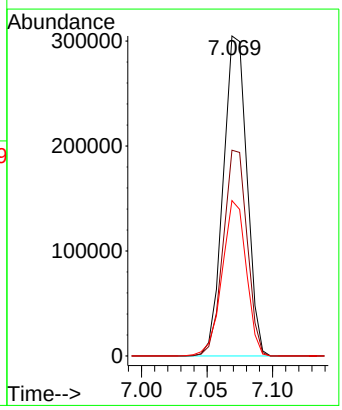


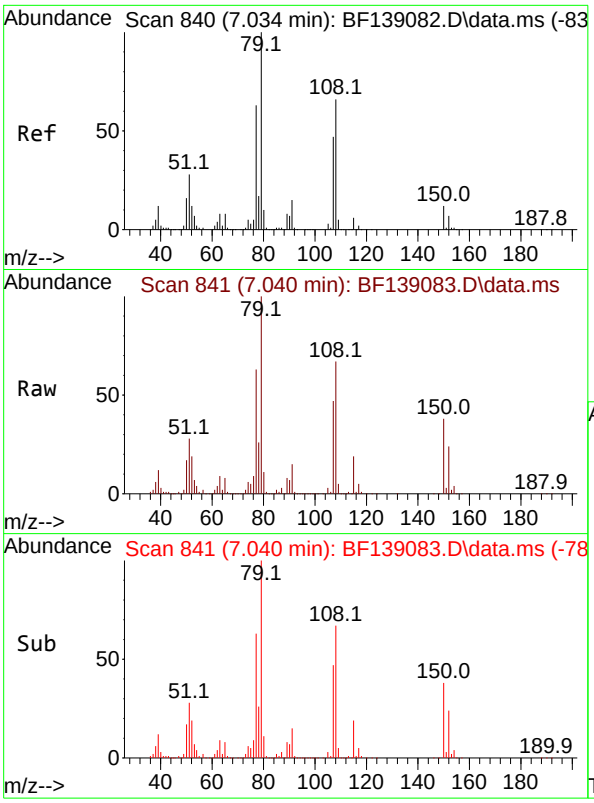


#14
1,2-Dichlorobenzene
Concen: 46.490 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:146 Resp: 383462

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	48.5	38.1	57.1



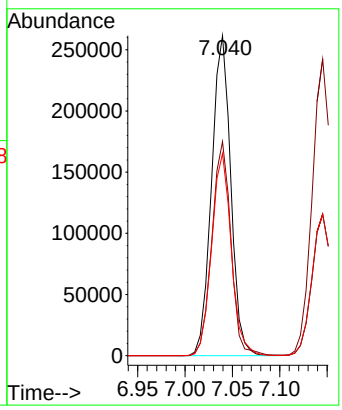


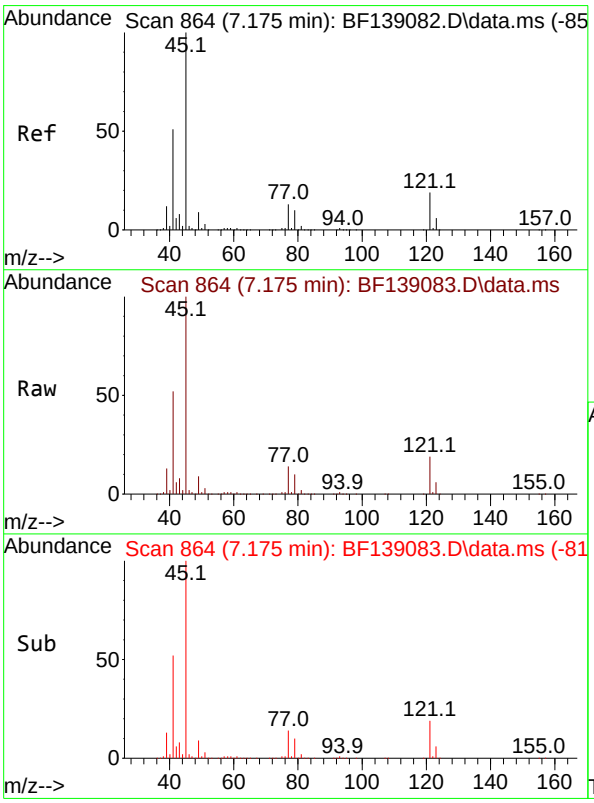
#15
Benzyl Alcohol
Concen: 46.146 ng
RT: 7.040 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 367836

Ion	Ratio	Lower	Upper
79	100		
108	66.9	52.8	79.2
77	63.2	50.6	76.0

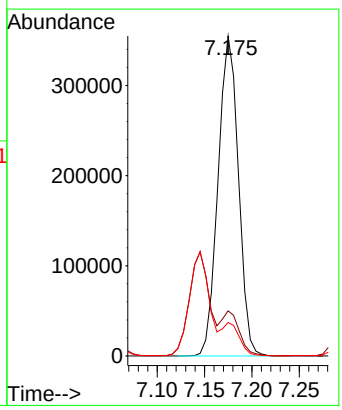


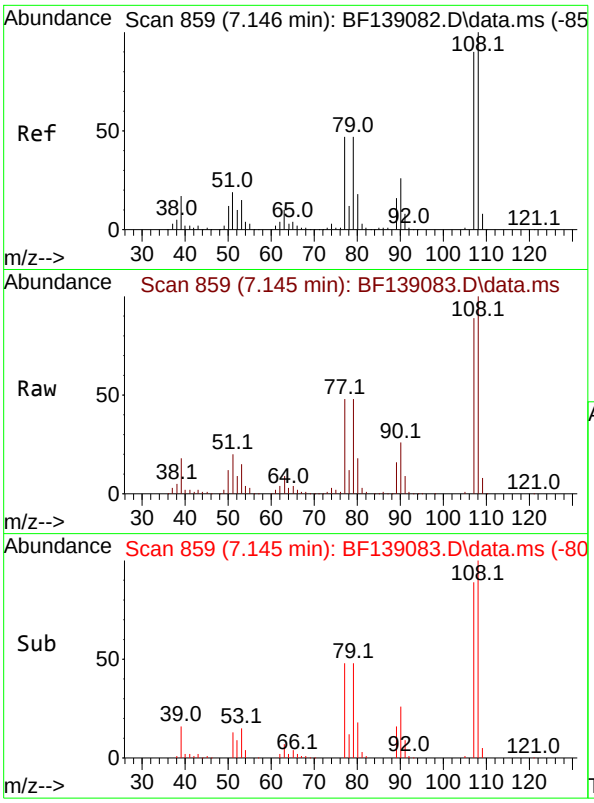


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.645 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 45 Resp: 530737

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.5	0.0	30.4



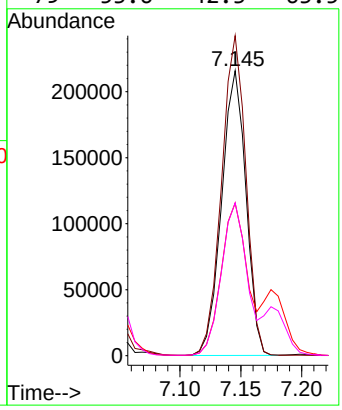


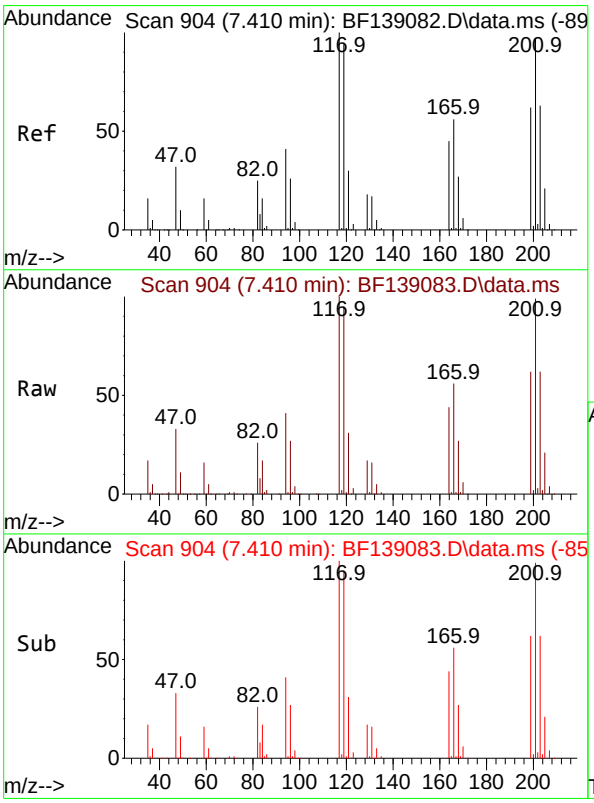
#17
2-Methylphenol
Concen: 46.718 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 300054

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.1	133.7
77	53.6	42.1	63.1
79	53.6	42.3	63.5

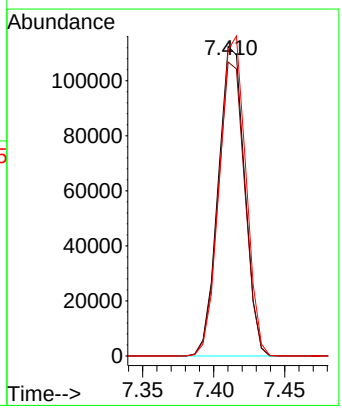


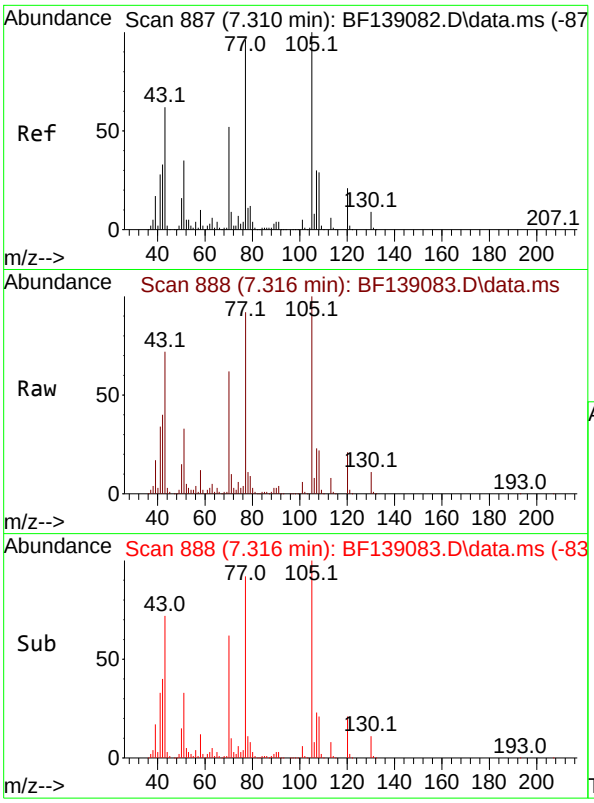


#18
Hexachloroethane
Concen: 45.997 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:117 Resp: 145566

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.5	113.3
201	98.8	77.8	116.8



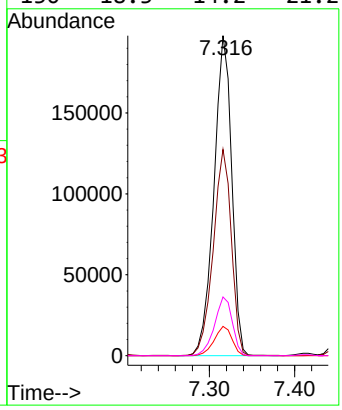


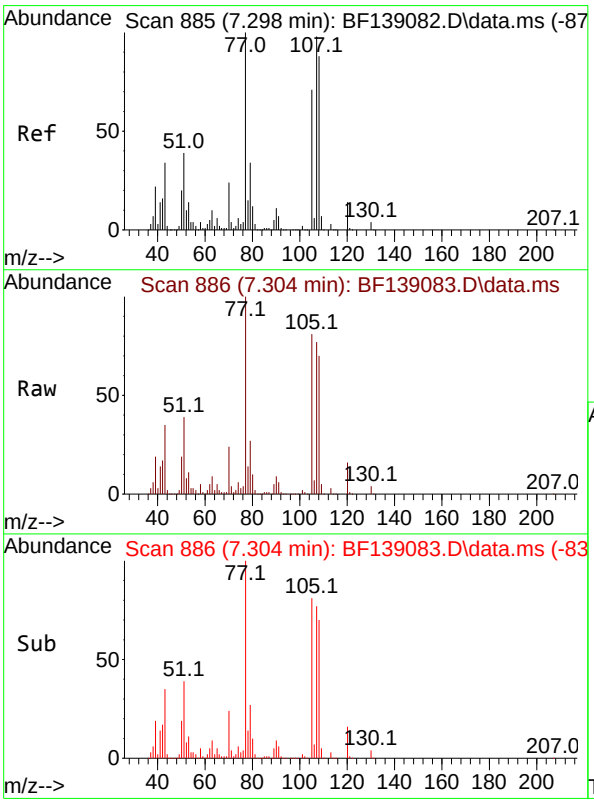
#19
n-Nitroso-di-n-propylamine
Concen: 43.277 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 286633

Ion	Ratio	Lower	Upper
70	100		
42	64.5	50.5	75.7
101	9.1	7.2	10.8
130	18.3	14.2	21.2

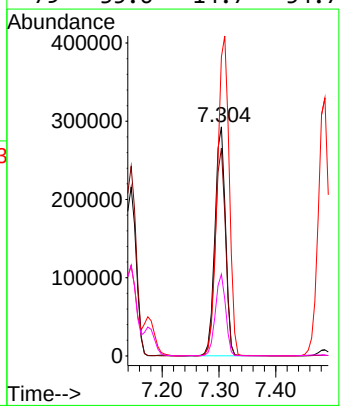


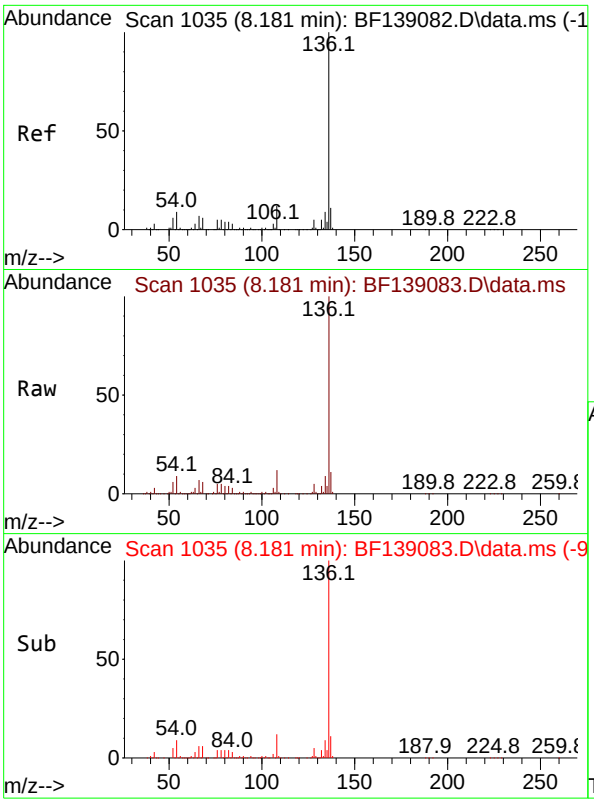


#20
3+4-Methylphenols
Concen: 45.396 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:107 Resp: 377765

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.2	110.2
77	130.6	82.7	122.7#
79	35.6	14.7	54.7



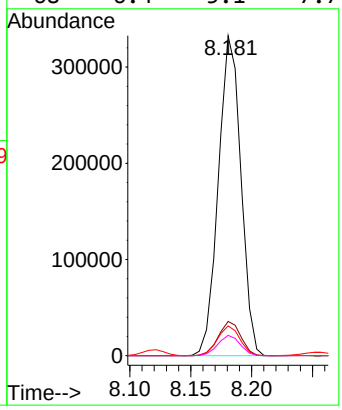


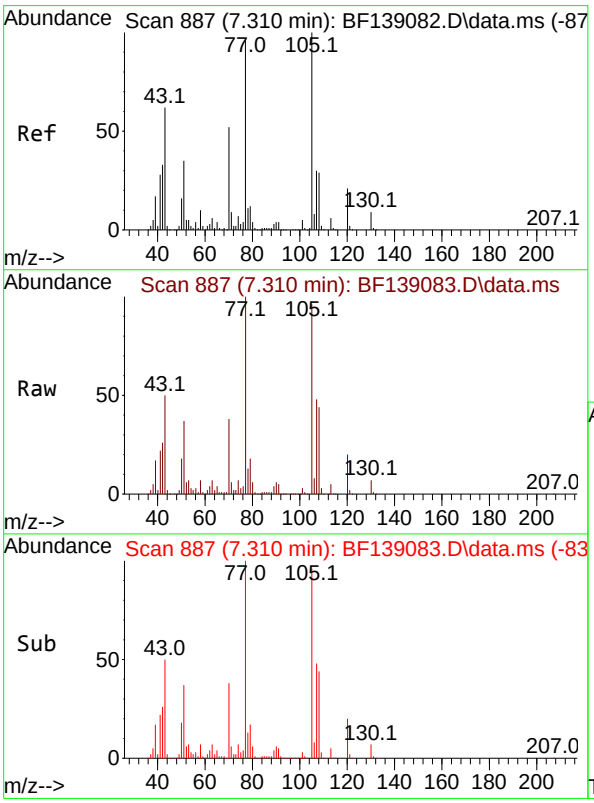
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 428233

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.3	7.6	11.4
68	6.4	5.1	7.7

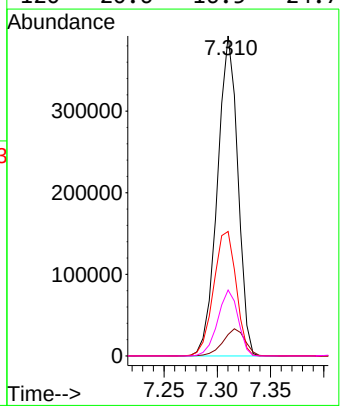


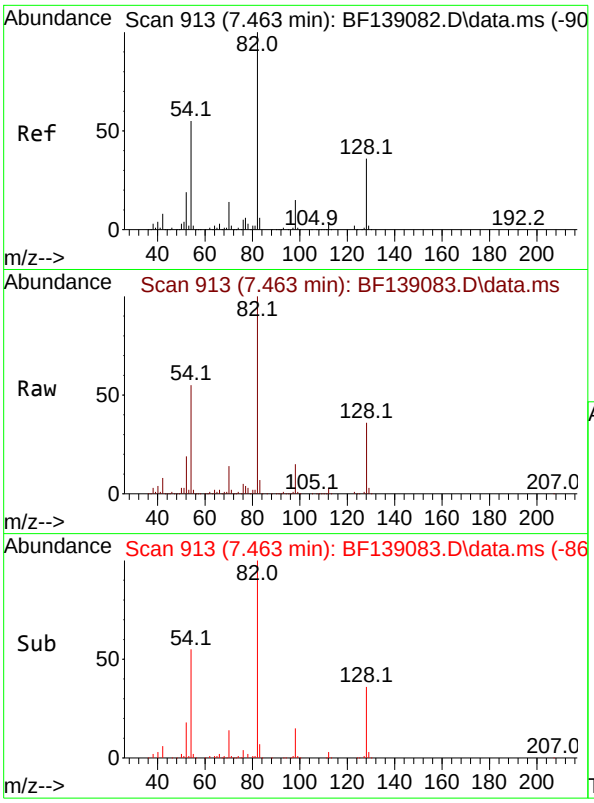


#22
Acetophenone
Concen: 47.756 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:105 Resp: 522165

Ion	Ratio	Lower	Upper
105	100		
71	6.7	7.0	10.6#
51	38.9	28.0	42.0
120	20.6	16.5	24.7



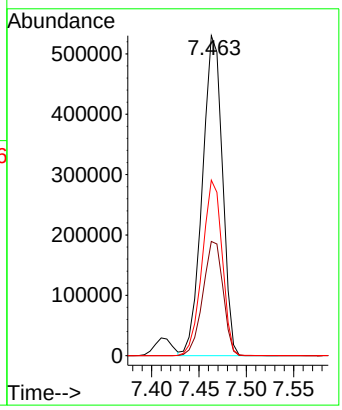


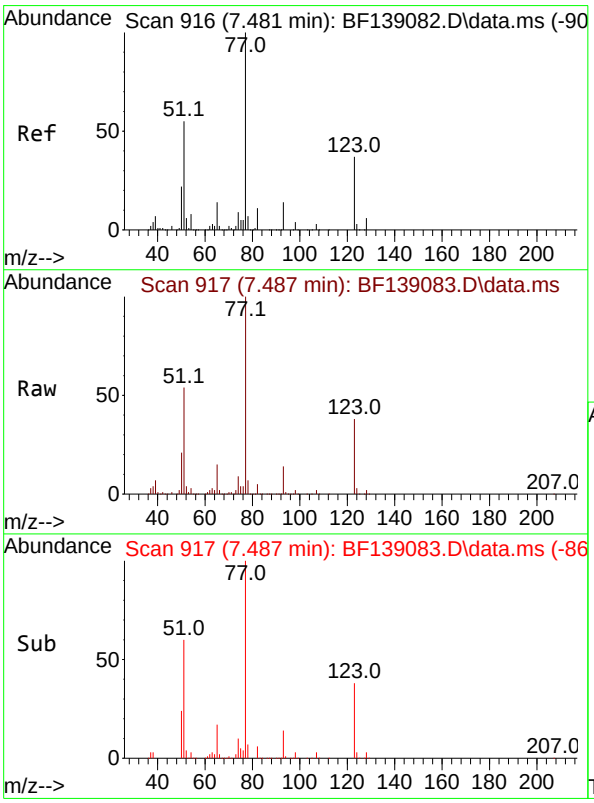
#23
Nitrobenzene-d5
Concen: 106.205 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 780517

Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.0	43.4
54	54.8	43.4	65.2

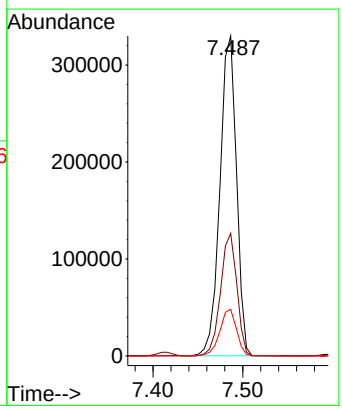


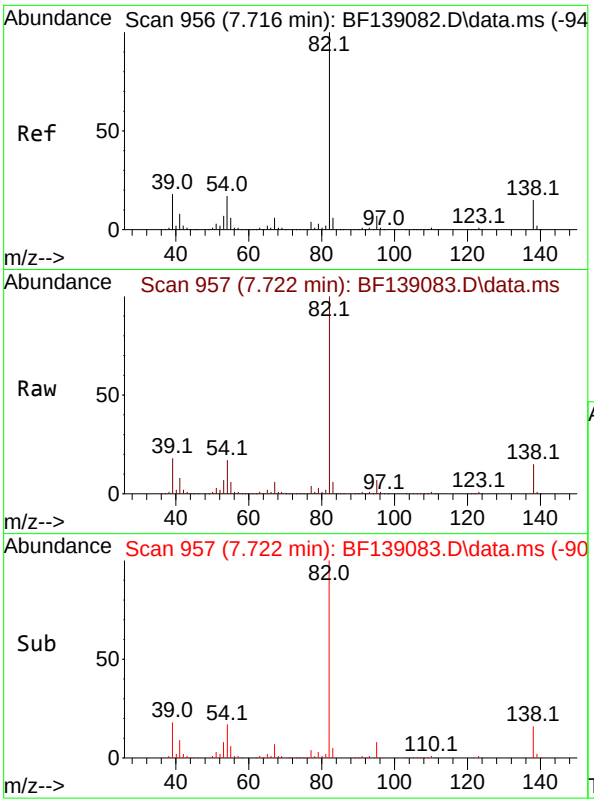


#24
Nitrobenzene
Concen: 51.754 ng
RT: 7.487 min Scan# 917
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 77 Resp: 422770

Ion	Ratio	Lower	Upper
77	100		
123	38.3	30.3	45.5
65	14.5	11.3	16.9



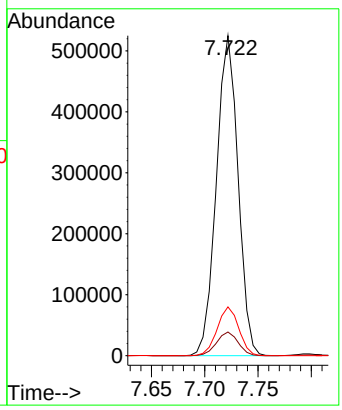


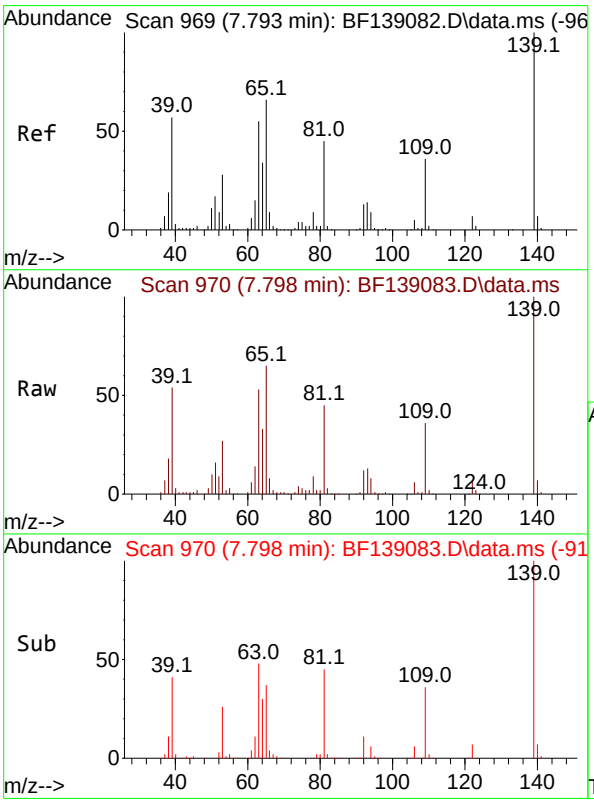
#25
Isophorone
Concen: 47.521 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 742295

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	15.2	11.8	17.8

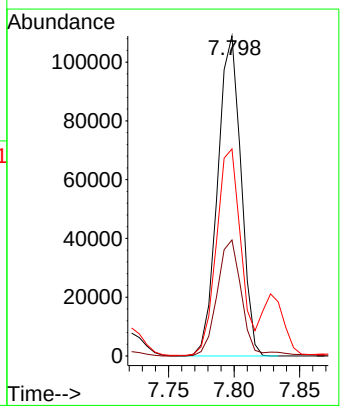


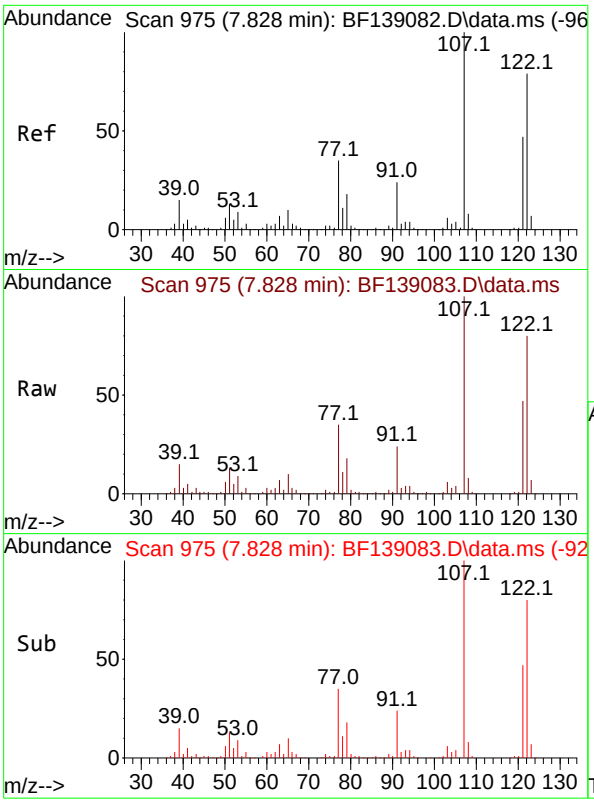


#26
2-Nitrophenol
Concen: 47.369 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:139 Resp: 134698

Ion	Ratio	Lower	Upper
139	100		
109	36.3	29.2	43.8
65	64.7	52.7	79.1



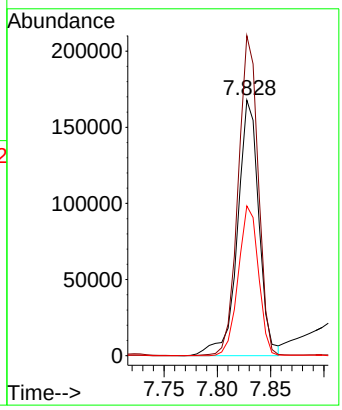


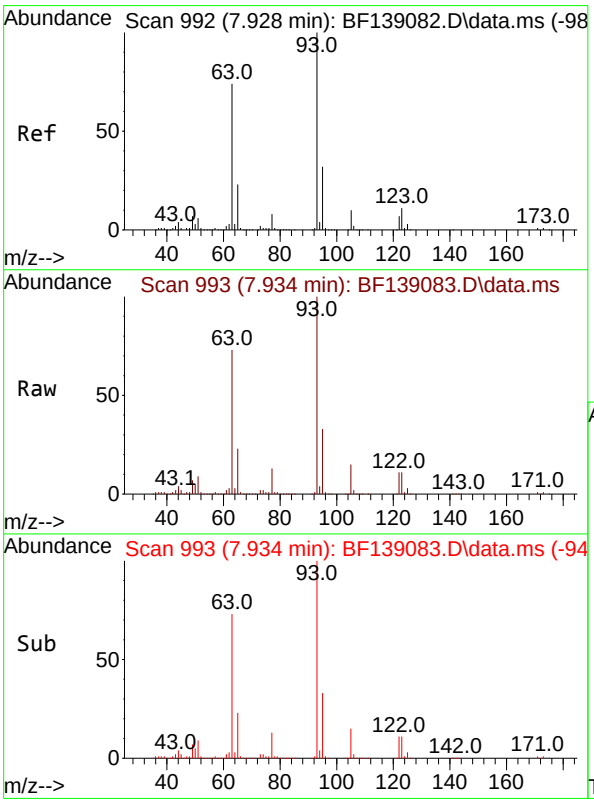
#27
2,4-Dimethylphenol
Concen: 47.248 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 234033

Ion	Ratio	Lower	Upper
122	100		
107	125.2	101.1	151.7
121	58.6	47.5	71.3

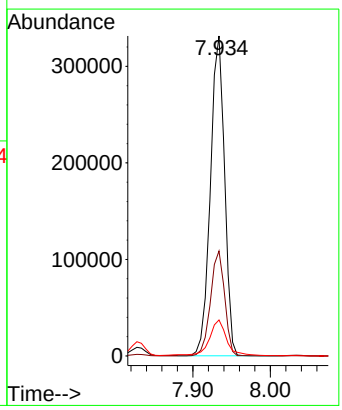


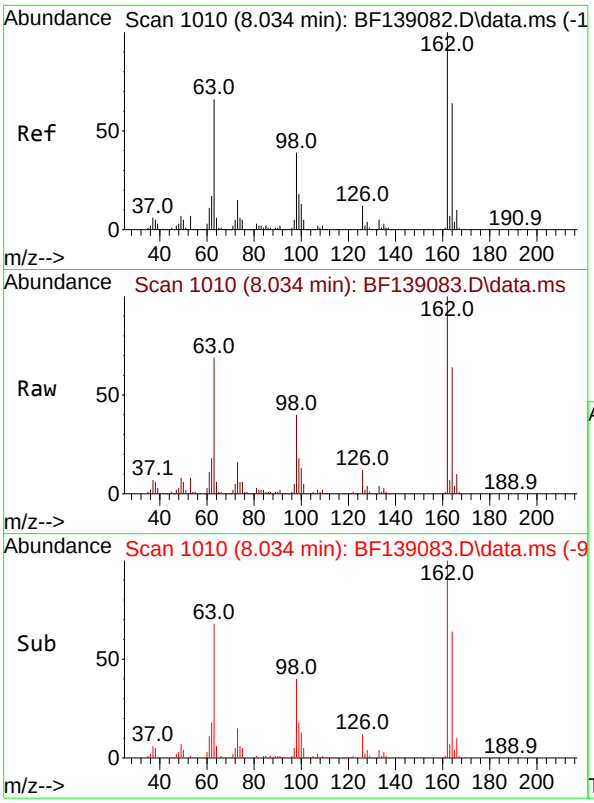


#28
bis(2-Chloroethoxy)methane
Concen: 46.117 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 93 Resp: 420910

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	11.3	8.9	13.3



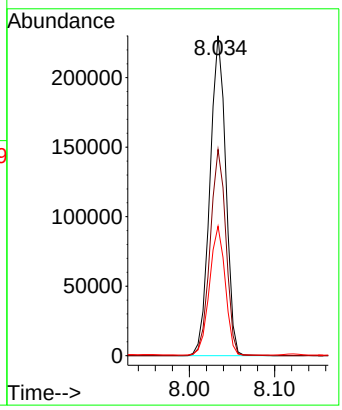


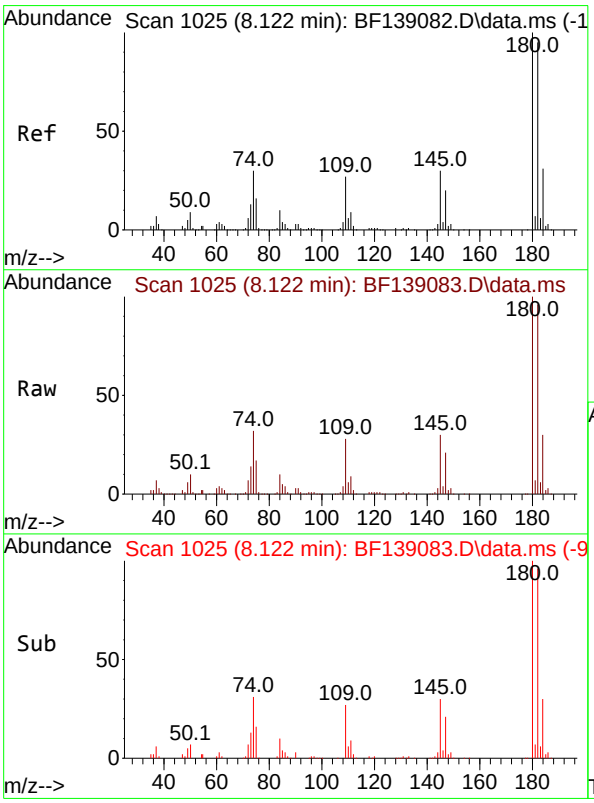
#29
2,4-Dichlorophenol
Concen: 48.209 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 297490

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.9	83.9
98	40.4	19.7	59.7

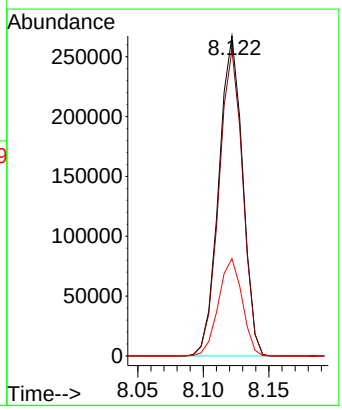


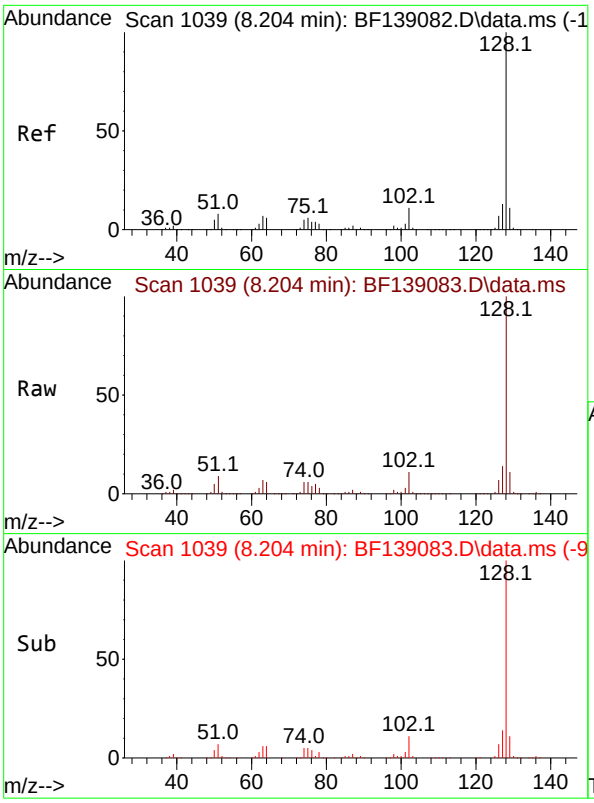


#30
1,2,4-Trichlorobenzene
Concen: 46.584 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:180 Resp: 336604

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	30.4	23.9	35.9



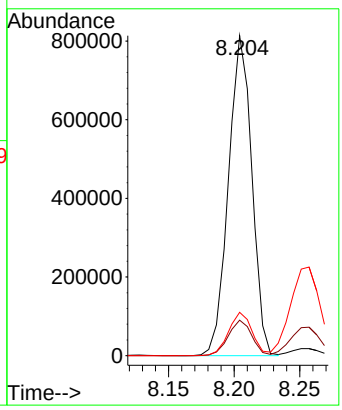


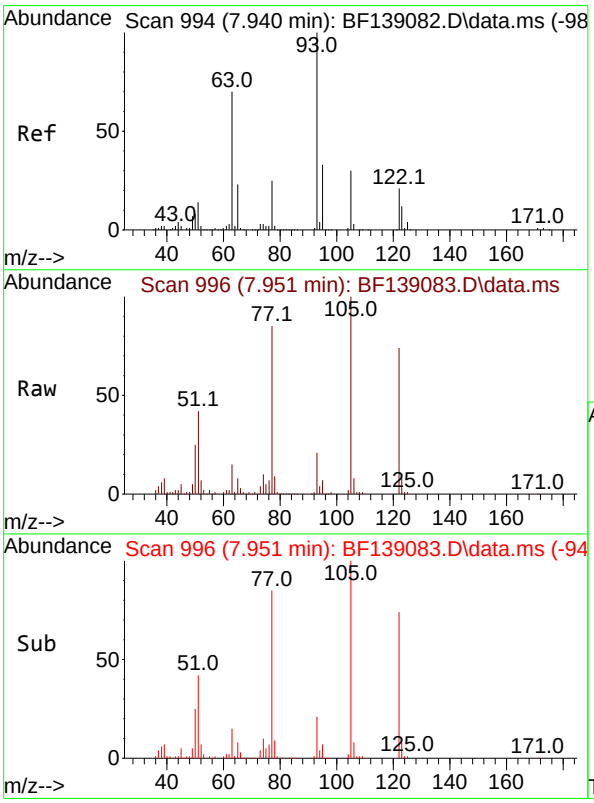
#31
Naphthalene
Concen: 46.625 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1011804

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.7	16.1

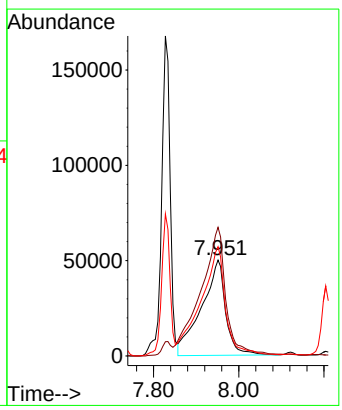


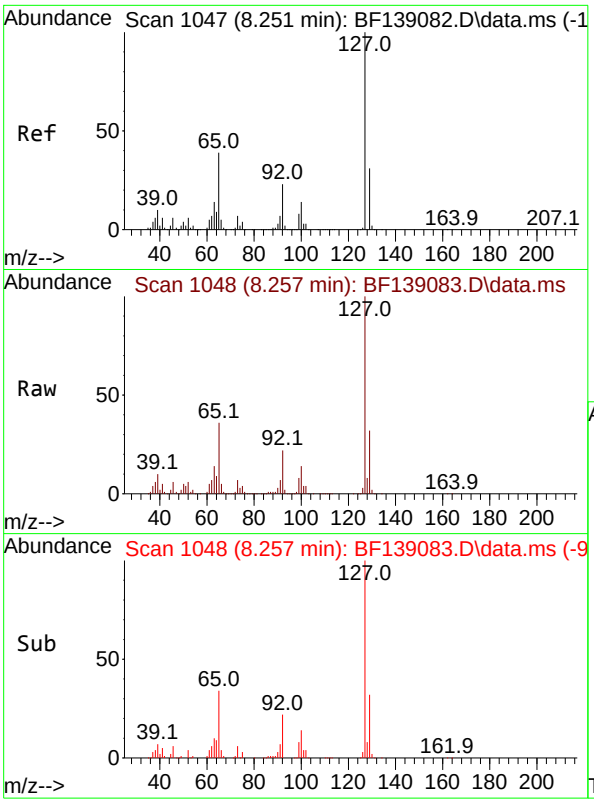


#32
Benzoic acid
Concen: 47.307 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:122 Resp: 196362

Ion	Ratio	Lower	Upper
122	100		
105	134.3	119.6	159.6
77	114.1	97.6	137.6



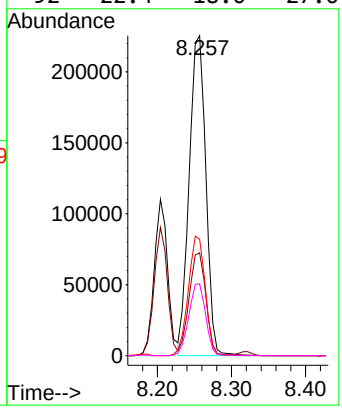


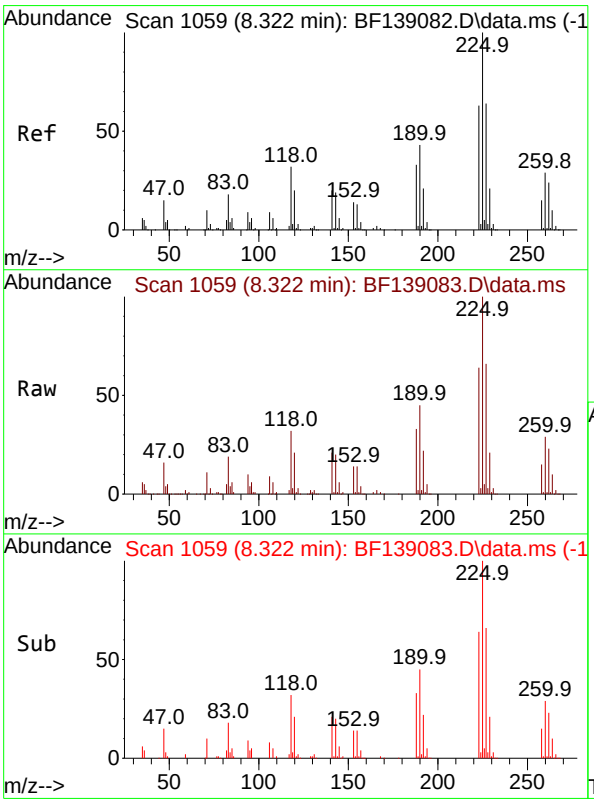
#33
4-Chloroaniline
Concen: 47.522 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 353187

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	36.4	30.3	45.5
92	22.4	18.0	27.0

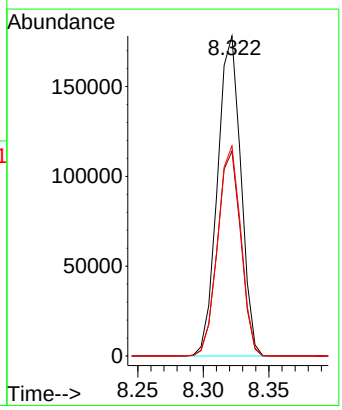


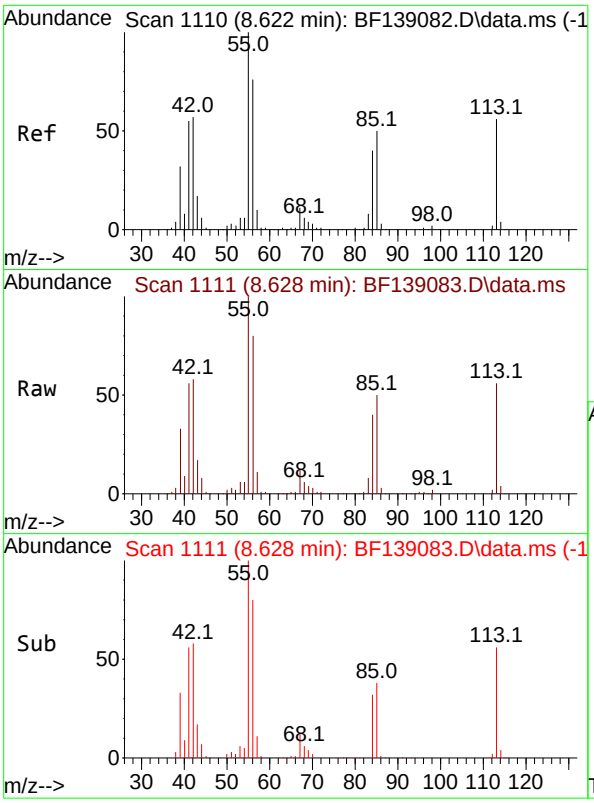


#34
Hexachlorobutadiene
Concen: 46.706 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:225 Resp: 220457

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	65.6	51.4	77.2



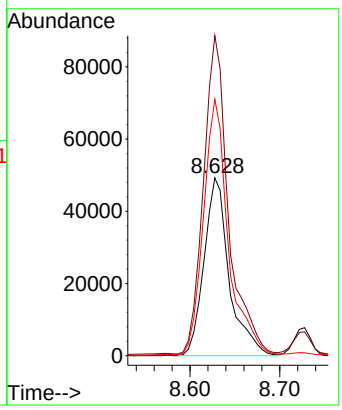


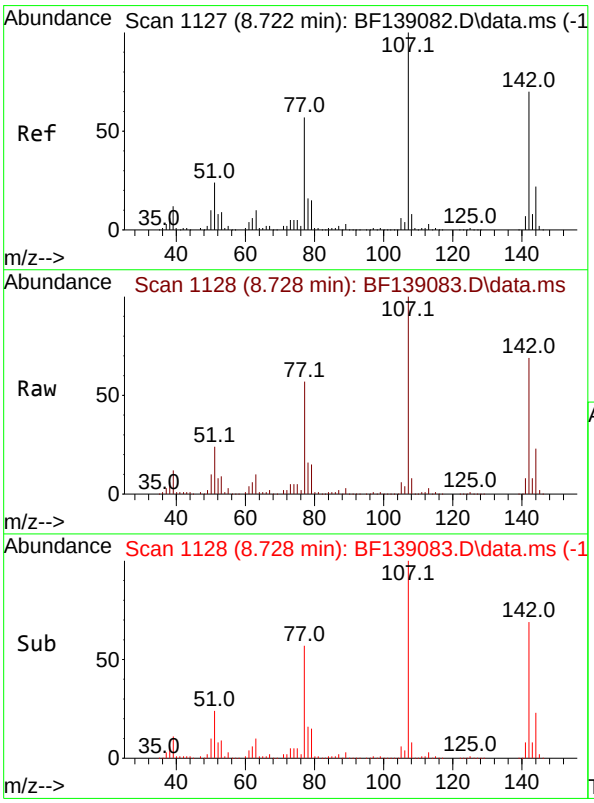
#35
Caprolactam
Concen: 48.962 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 95778

Ion	Ratio	Lower	Upper
113	100		
55	180.0	158.6	198.6
56	144.1	115.9	155.9

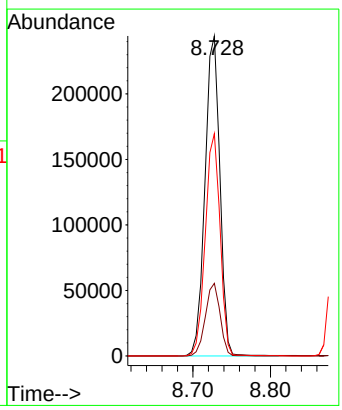


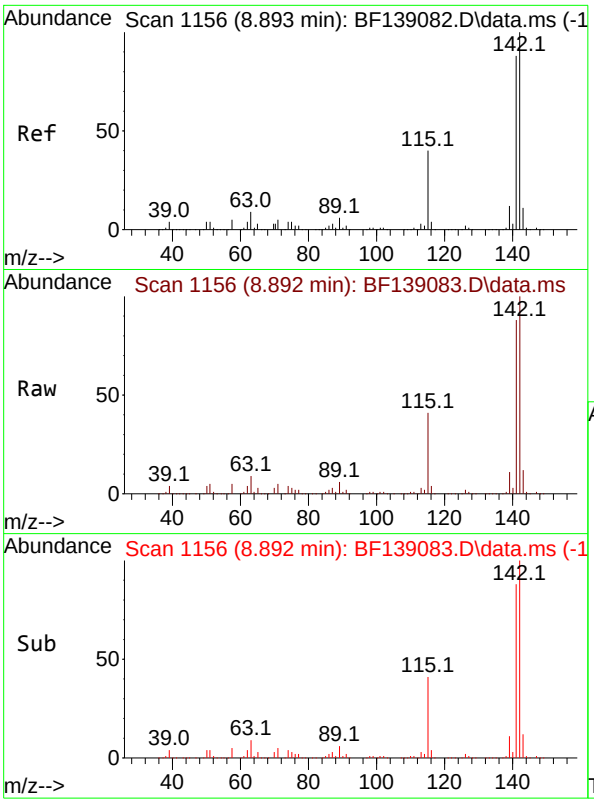


#36
4-Chloro-3-methylphenol
Concen: 47.695 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:107 Resp: 325883

Ion	Ratio	Lower	Upper
107	100		
144	22.7	17.7	26.5
142	69.5	55.6	83.4



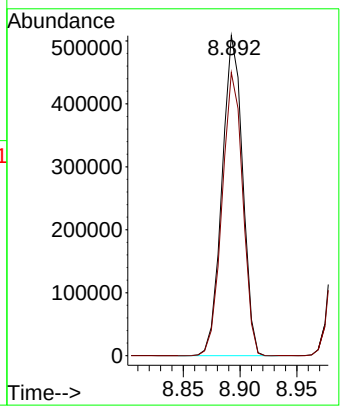


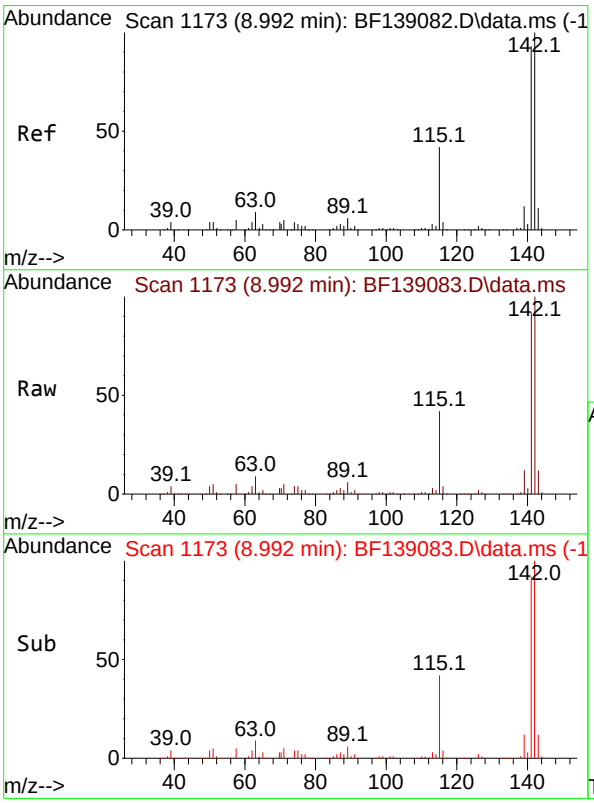
#37
2-Methylnaphthalene
Concen: 45.976 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 639945

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	105.8

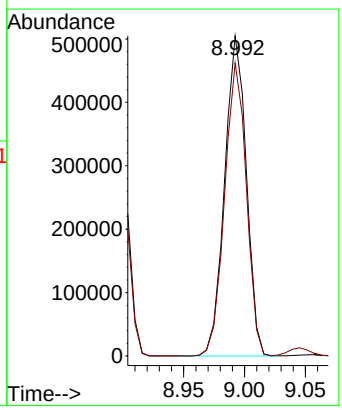


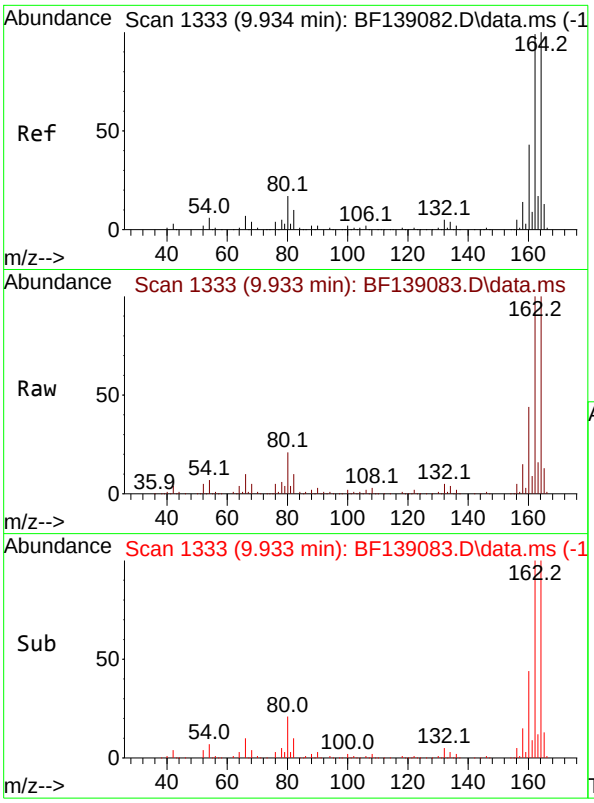


#38
1-Methylnaphthalene
Concen: 46.628 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:142 Resp: 626401

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.1	111.1



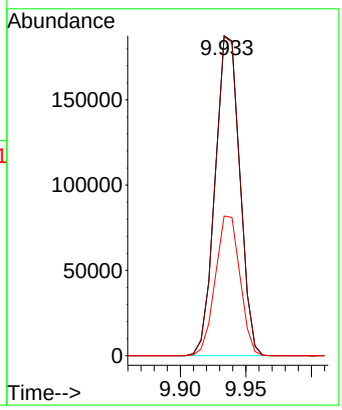


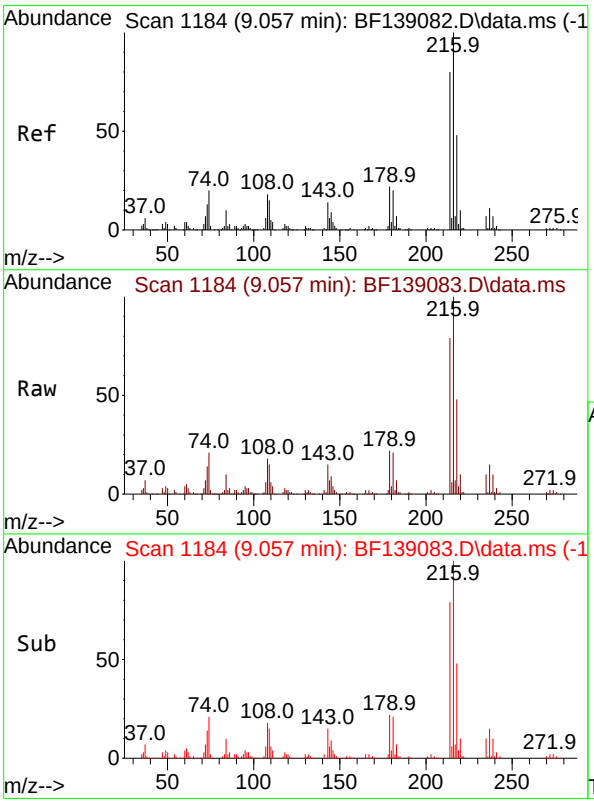
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 244726

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.5	119.3
160	43.7	34.5	51.7

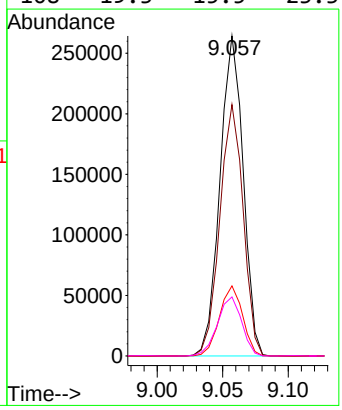


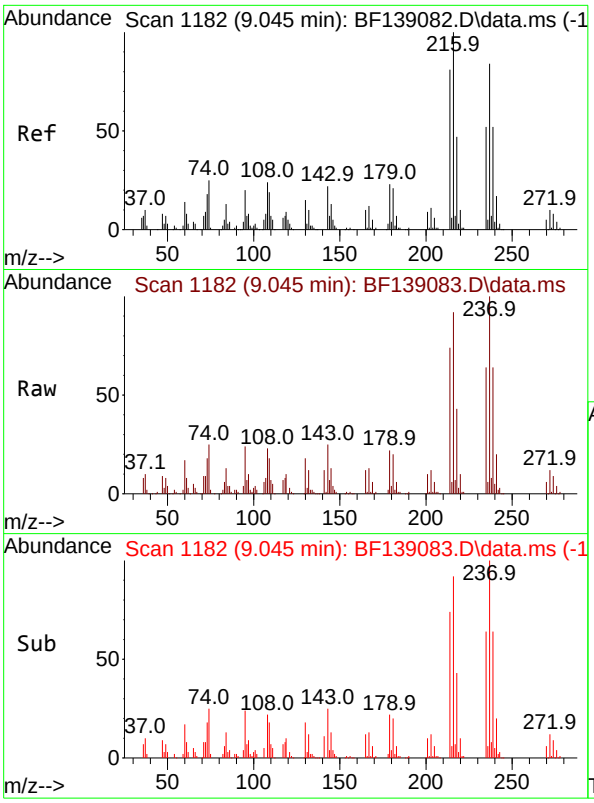


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.823 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:216 Resp: 324789

Ion	Ratio	Lower	Upper
216	100		
214	78.9	64.2	96.2
179	21.9	17.4	26.2
108	19.3	15.5	23.3



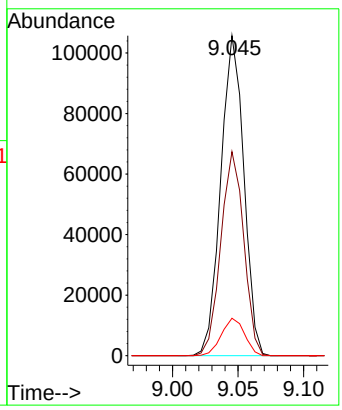


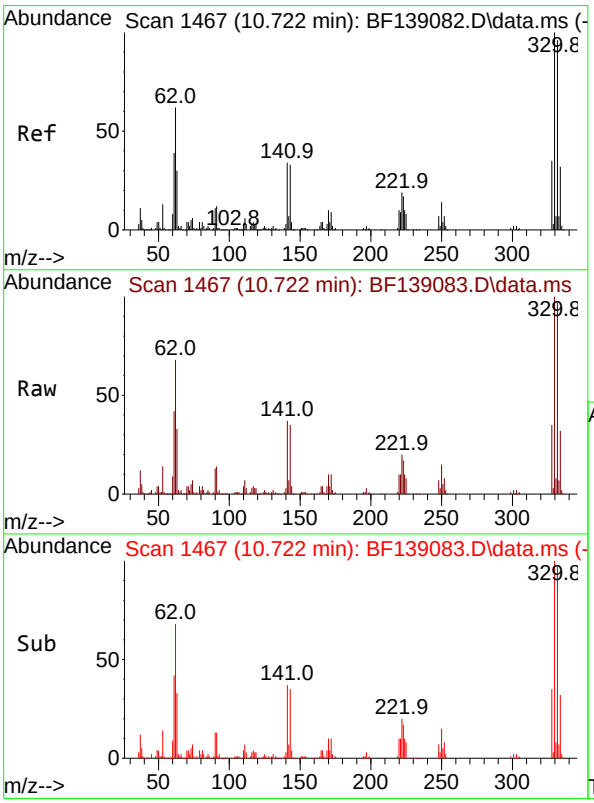
#41
Hexachlorocyclopentadiene
Concen: 50.150 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 129139

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.5	82.5
272	11.7	0.0	32.0

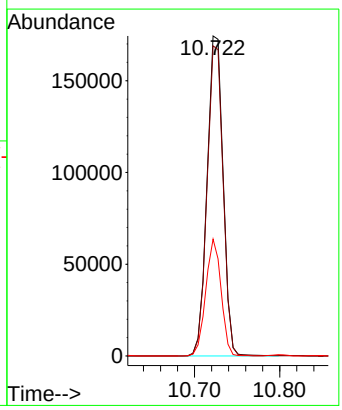


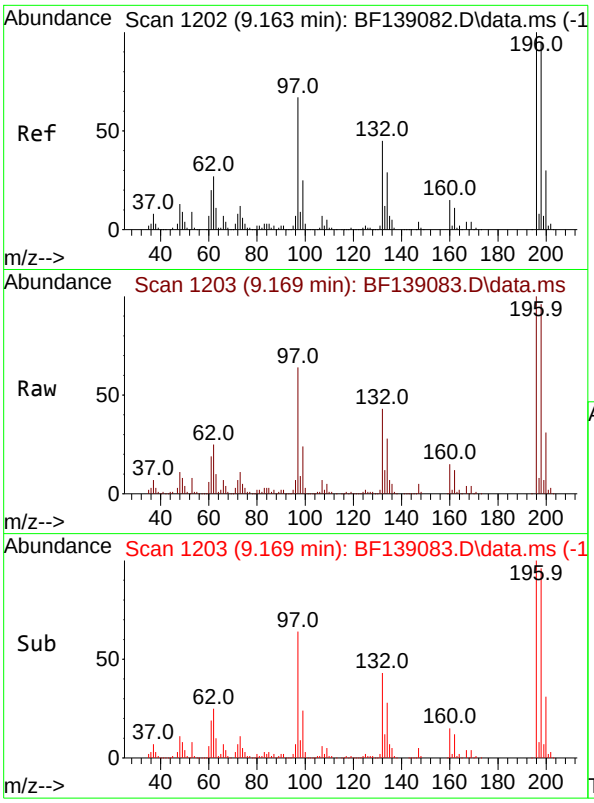


#42
2,4,6-Tribromophenol
Concen: 103.104 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:330 Resp: 228423

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.9	27.5	41.3



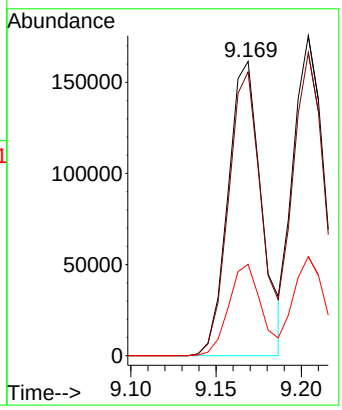


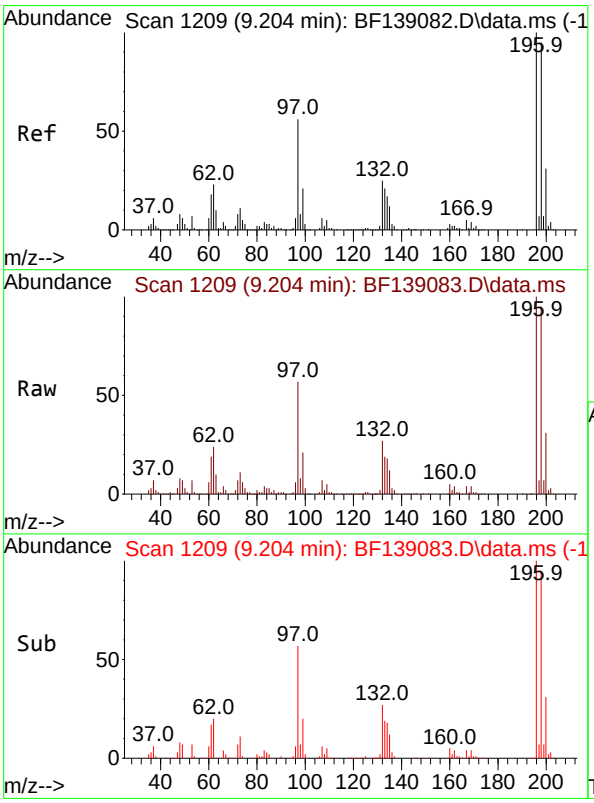
#43
2,4,6-Trichlorophenol
Concen: 48.765 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 220485

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.4	114.6
200	31.0	23.8	35.8

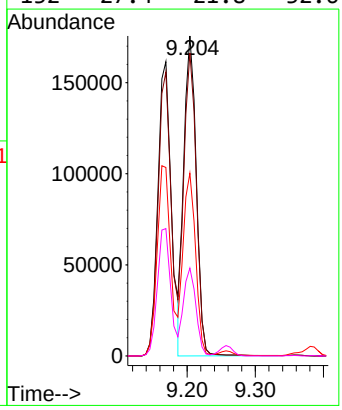


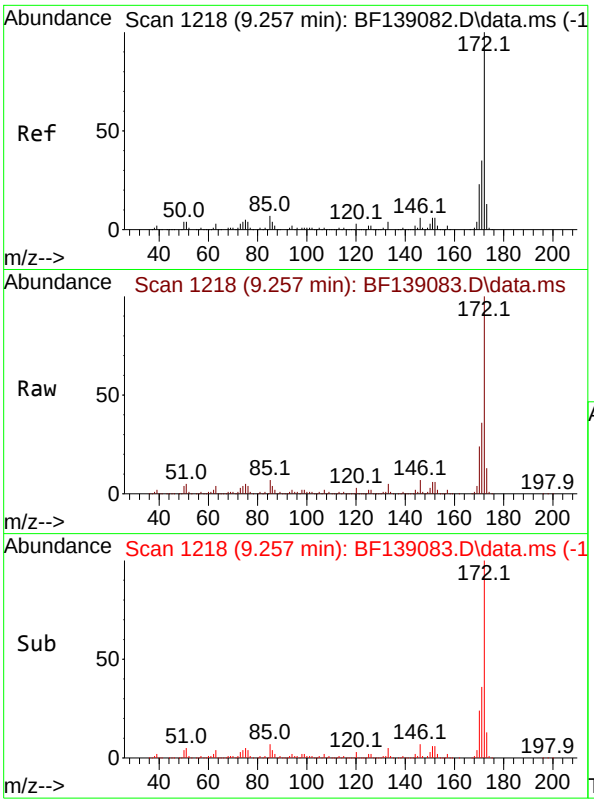


#44
2,4,5-Trichlorophenol
Concen: 47.888 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:196 Resp: 222250

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.6	114.8
97	57.1	44.6	67.0
132	27.4	21.8	32.6



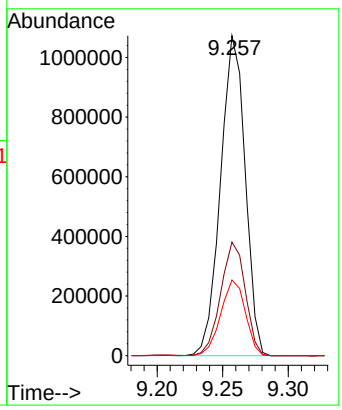


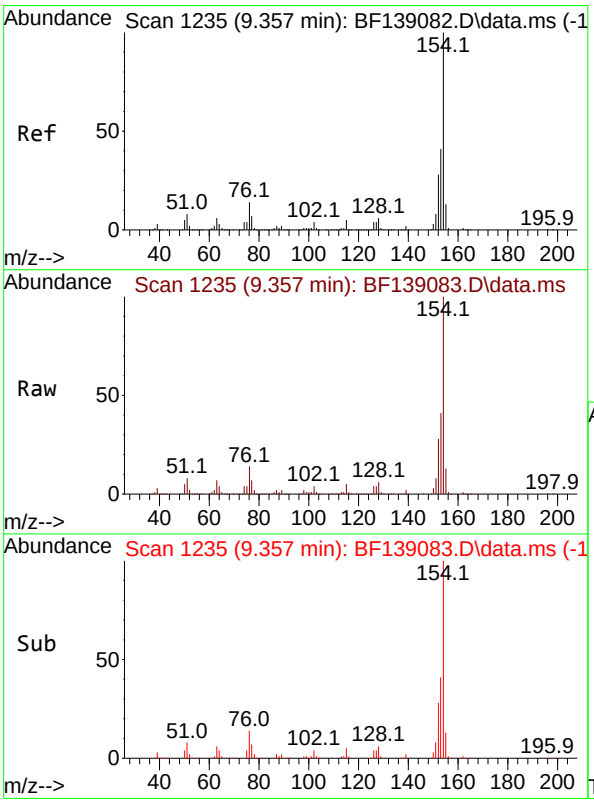
#45
2-Fluorobiphenyl
Concen: 90.986 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1403411

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.7	18.8	28.2

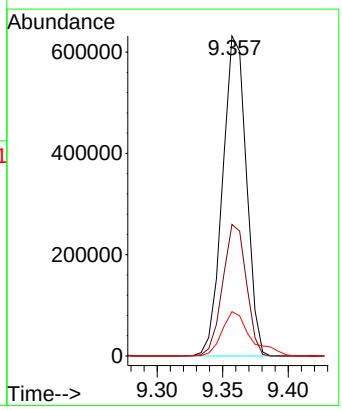


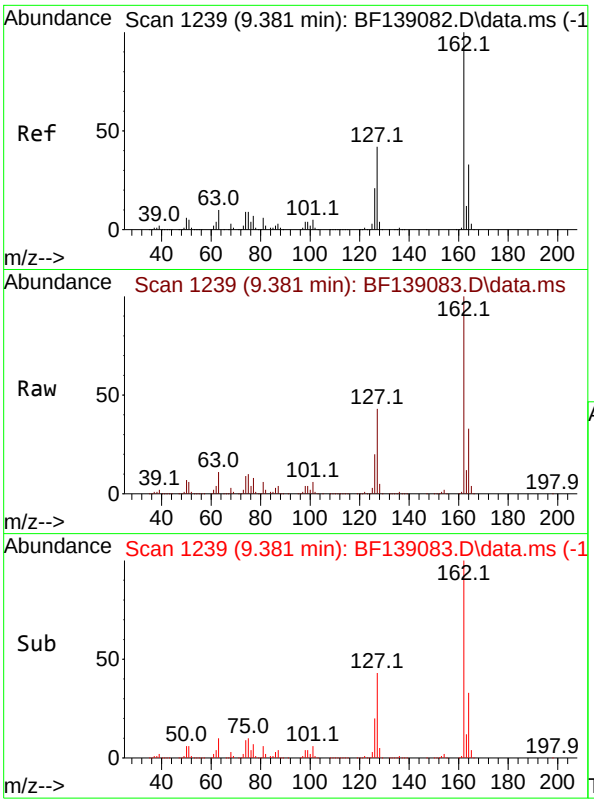


#46
1,1'-Biphenyl
Concen: 47.482 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:154 Resp: 796005

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.6	60.6
76	13.9	0.0	33.6



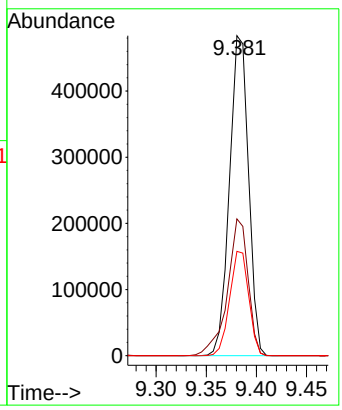


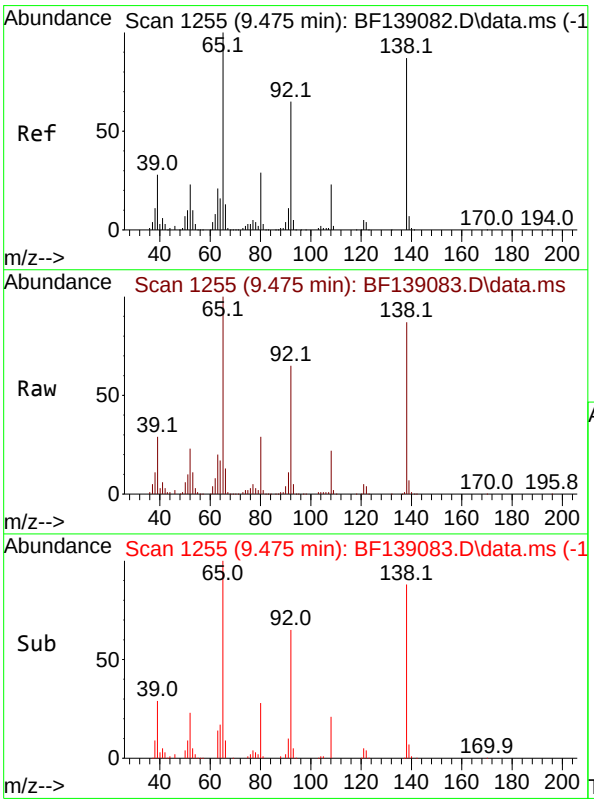
#47
2-Chloronaphthalene
Concen: 47.016 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 640430

Ion	Ratio	Lower	Upper
162	100		
127	42.7	33.8	50.6
164	32.6	26.3	39.5

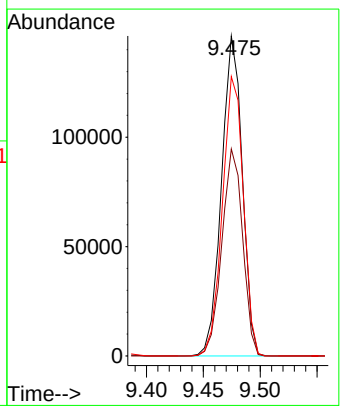


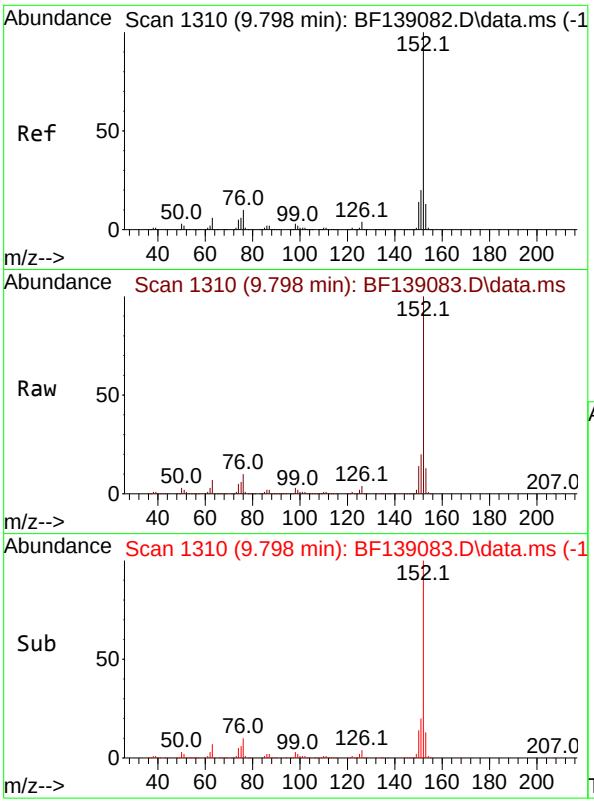


#48
2-Nitroaniline
Concen: 47.625 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion: 65 Resp: 185732

Ion	Ratio	Lower	Upper
65	100		
92	64.7	52.4	78.6
138	87.3	69.4	104.0



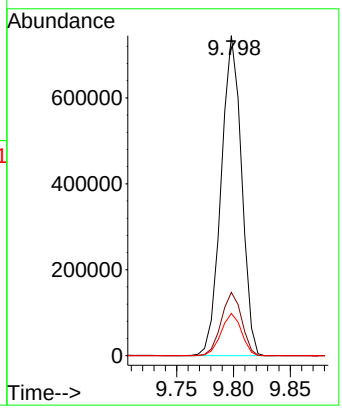


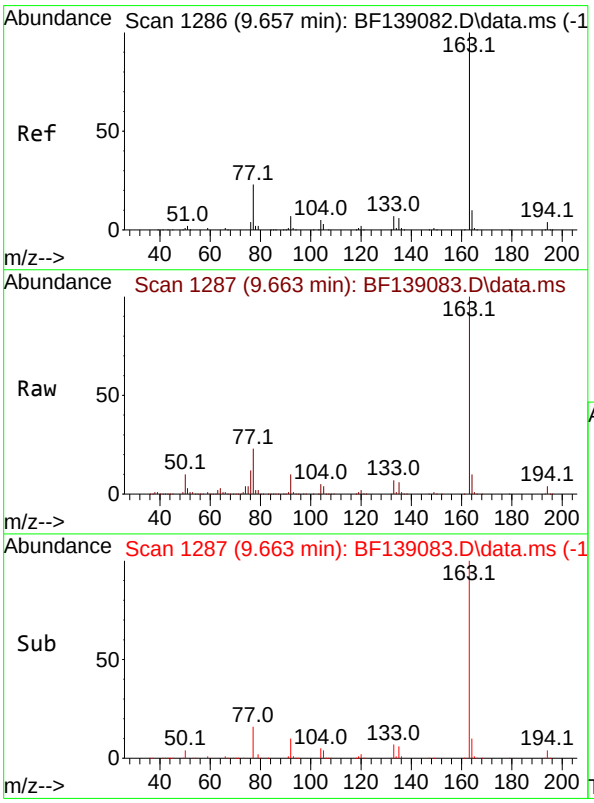
#49
Acenaphthylene
Concen: 47.756 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 931863

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.2	10.6	15.8

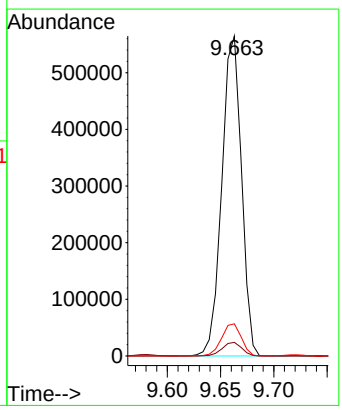


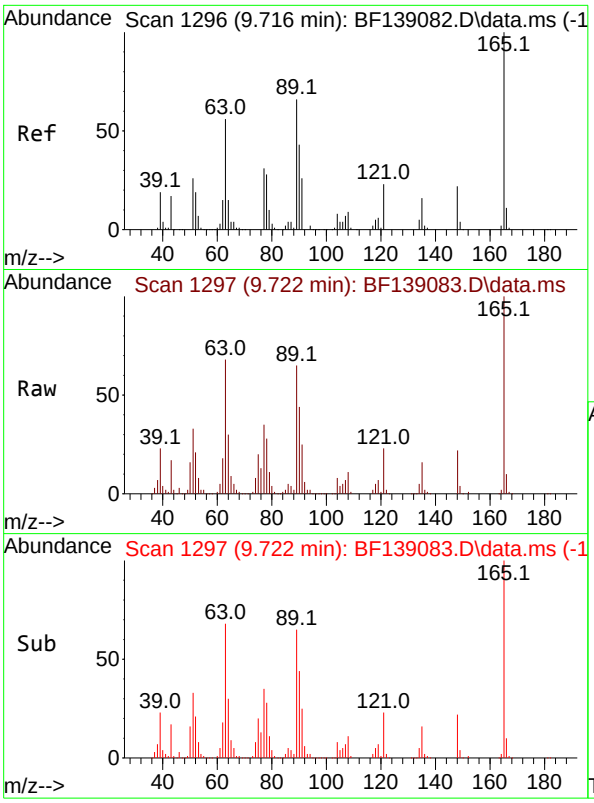


#50
Dimethylphthalate
Concen: 47.837 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:163 Resp: 722749

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.2	12.2



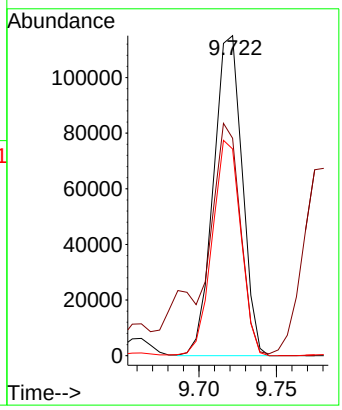


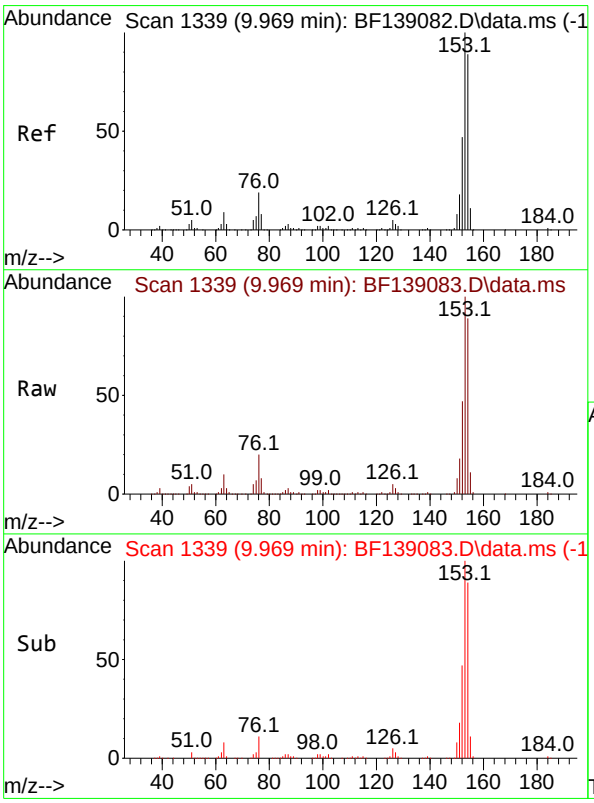
#51
2,6-Dinitrotoluene
Concen: 48.876 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 148393

Ion	Ratio	Lower	Upper
165	100		
63	68.0	58.0	87.0
89	64.6	53.3	79.9

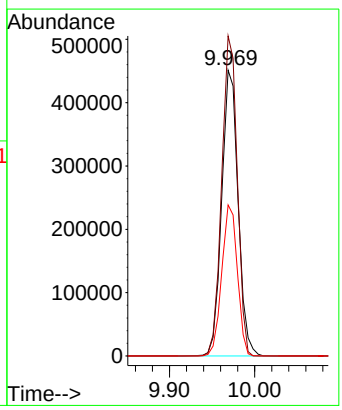


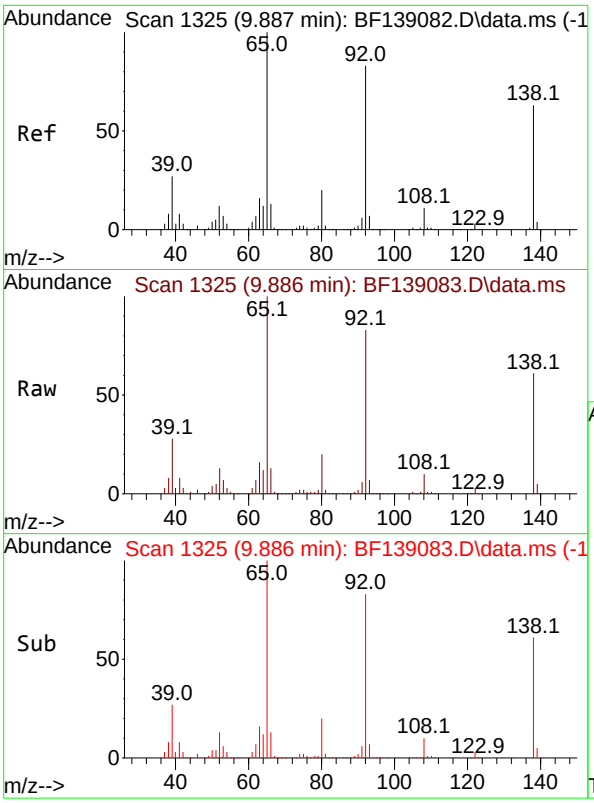


#52
Acenaphthene
Concen: 46.747 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:154 Resp: 602546

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.7	134.5
152	52.9	42.3	63.5



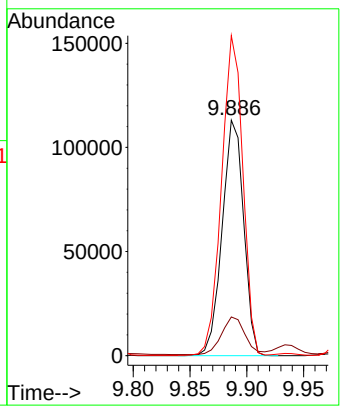


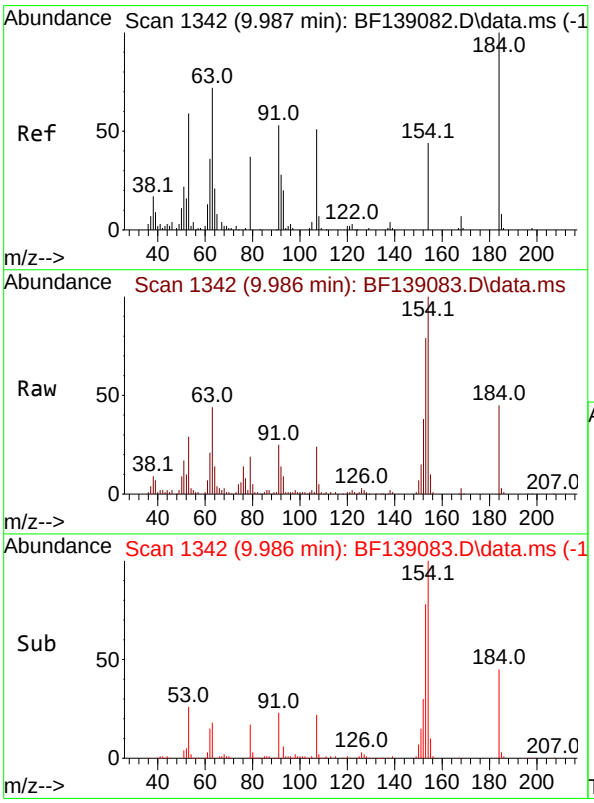
#53
3-Nitroaniline
Concen: 48.524 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 148944

Ion	Ratio	Lower	Upper
138	100		
108	16.4	14.6	21.8
92	135.9	105.9	158.9

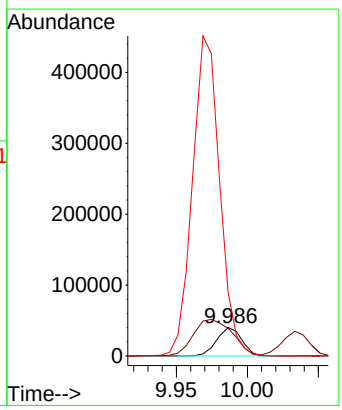


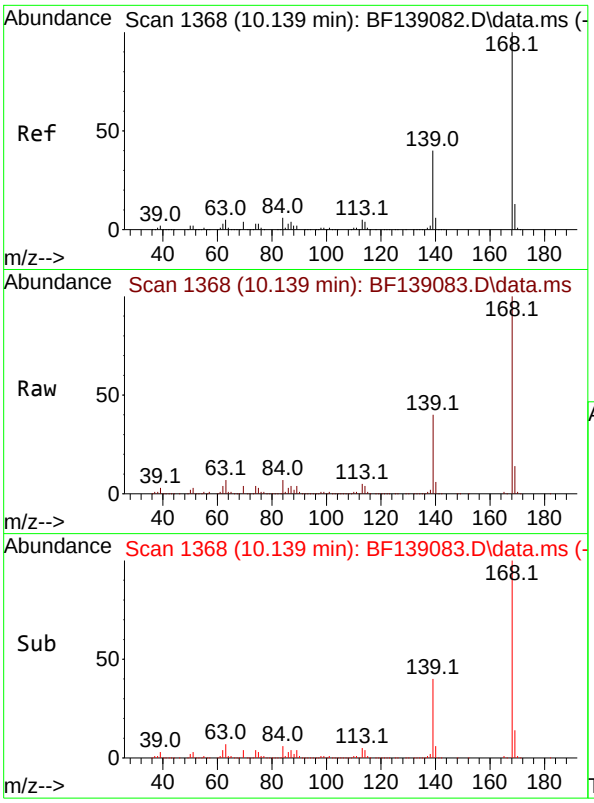


#54
2,4-Dinitrophenol
Concen: 48.733 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:184 Resp: 48952

Ion	Ratio	Lower	Upper
184	100		
63	97.2	70.5	105.7
154	221.9	135.0	202.6#



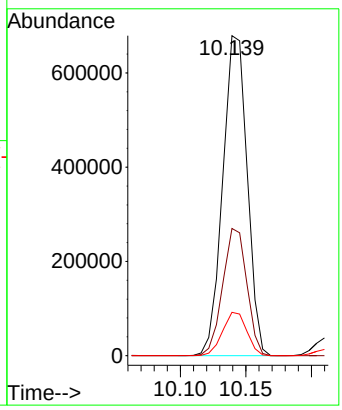


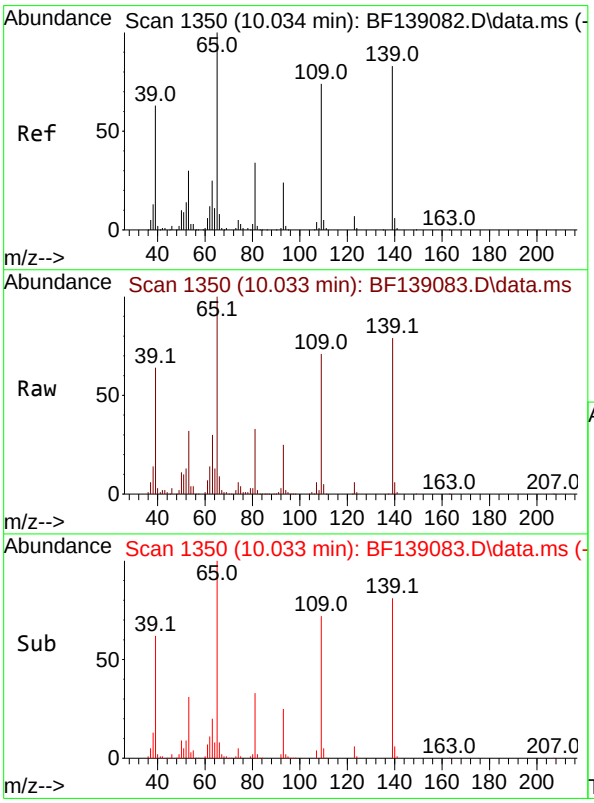
#55
Dibenzofuran
Concen: 47.102 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 881838

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.6	47.4
169	13.6	10.7	16.1

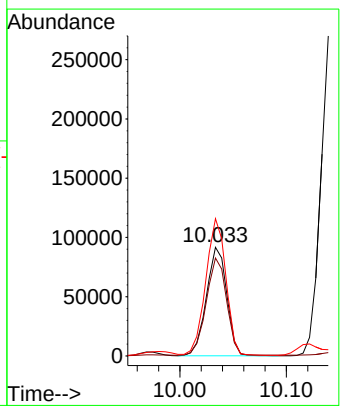


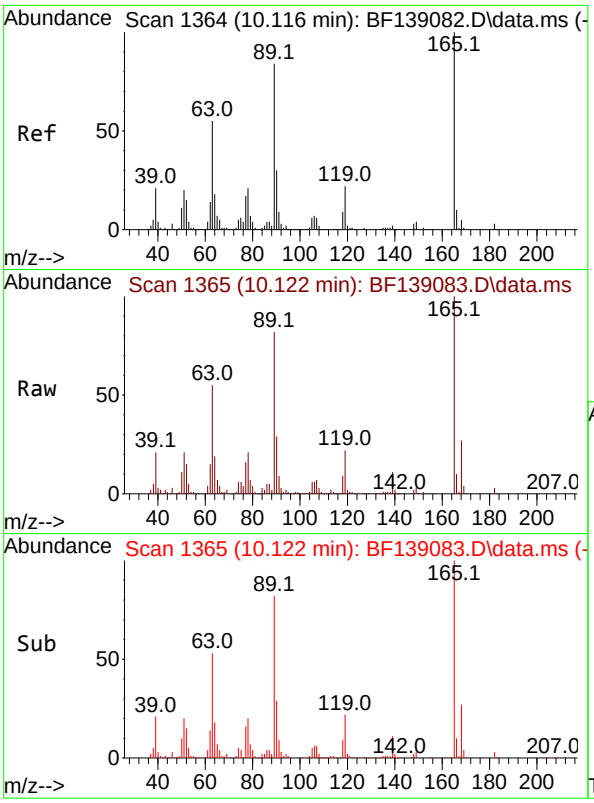


#56
4-Nitrophenol
Concen: 53.318 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:139 Resp: 121765

Ion	Ratio	Lower	Upper
139	100		
109	90.1	68.8	108.8
65	126.3	101.3	141.3



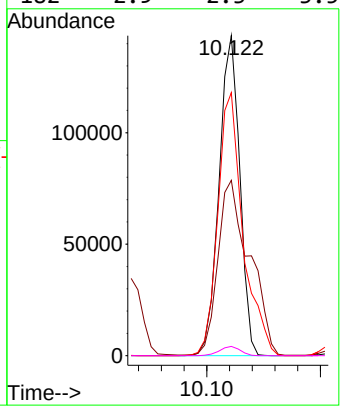


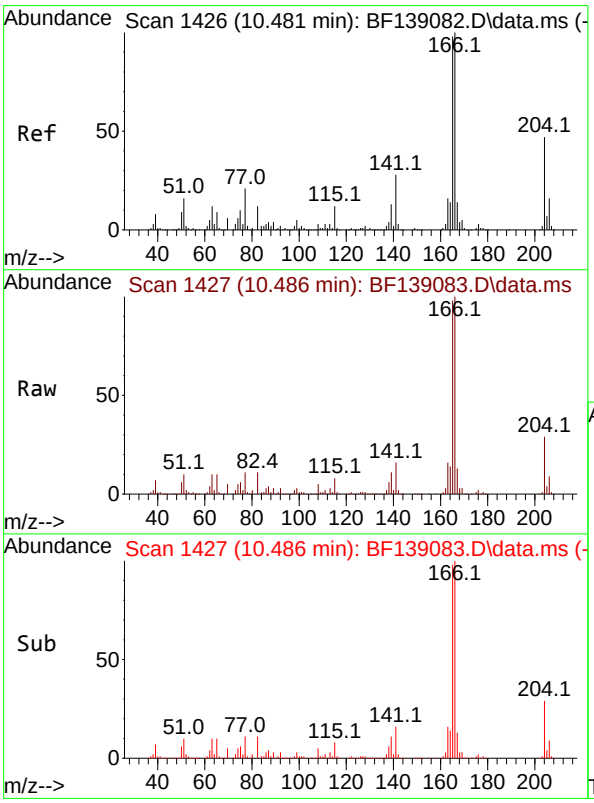
#57
2,4-Dinitrotoluene
Concen: 47.840 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 181675

Ion	Ratio	Lower	Upper
165	100		
63	54.8	44.2	66.4
89	82.2	67.4	101.2
182	2.9	2.3	3.5

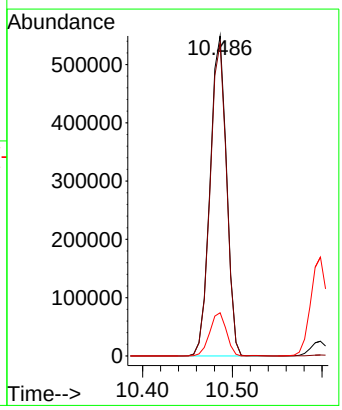


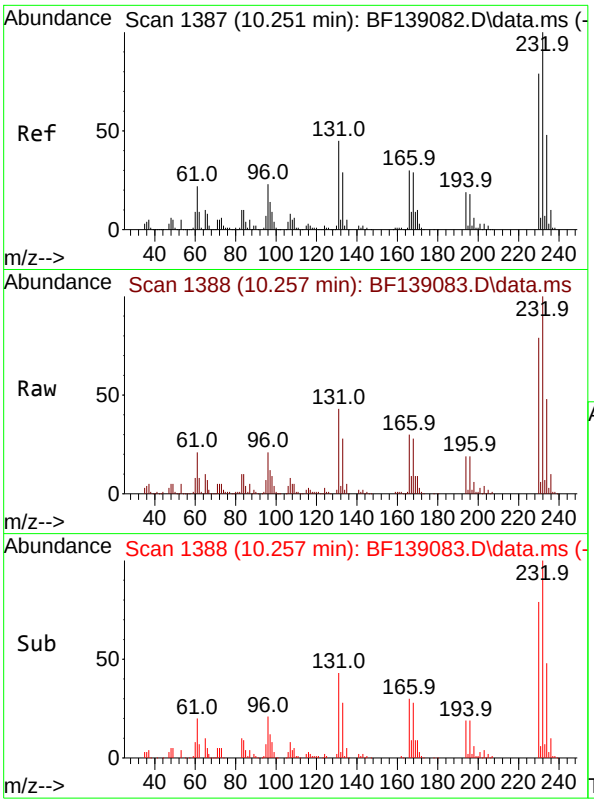


#58
Fluorene
Concen: 46.700 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:166 Resp: 698713

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.0	117.0
167	13.5	11.0	16.4



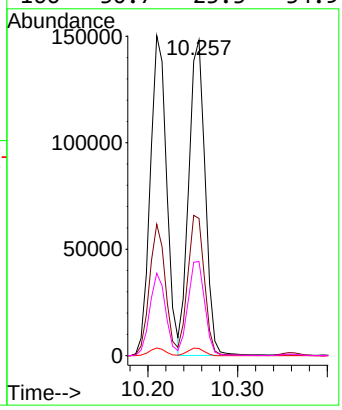


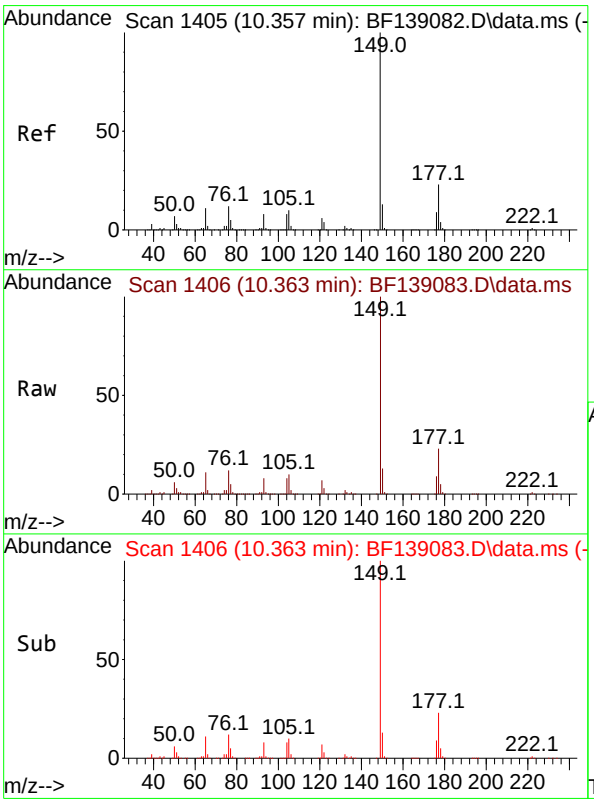
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.280 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 187360

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.0	54.0
130	2.4	2.0	3.0
166	30.7	23.3	34.9

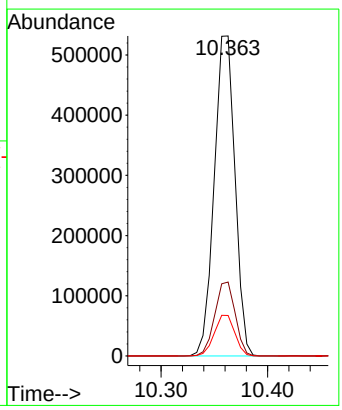


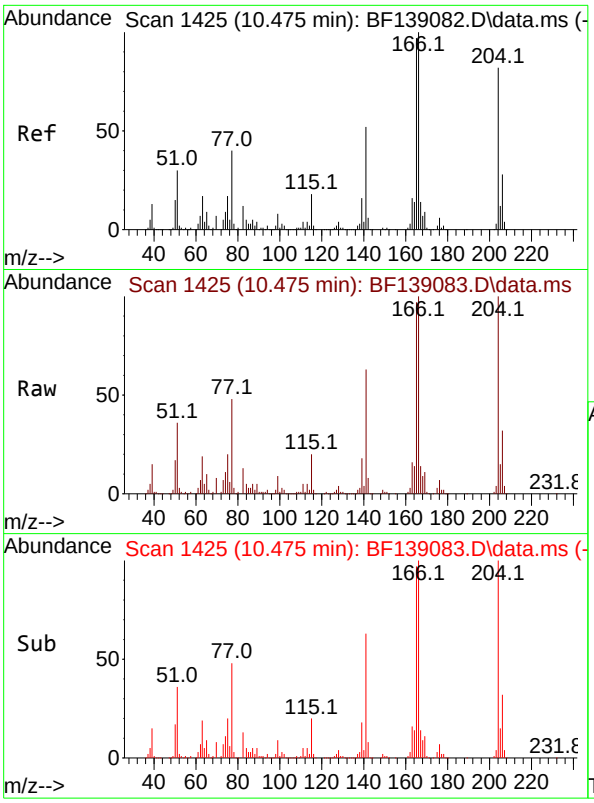


#60
Diethylphthalate
Concen: 48.014 ng
RT: 10.363 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 718768

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.4	27.6
150	12.6	10.2	15.2



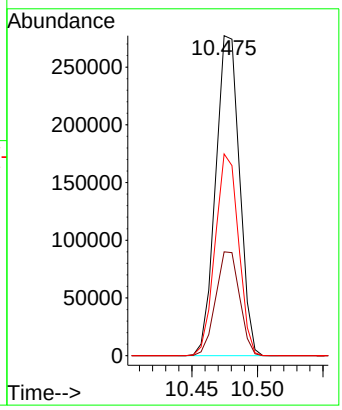


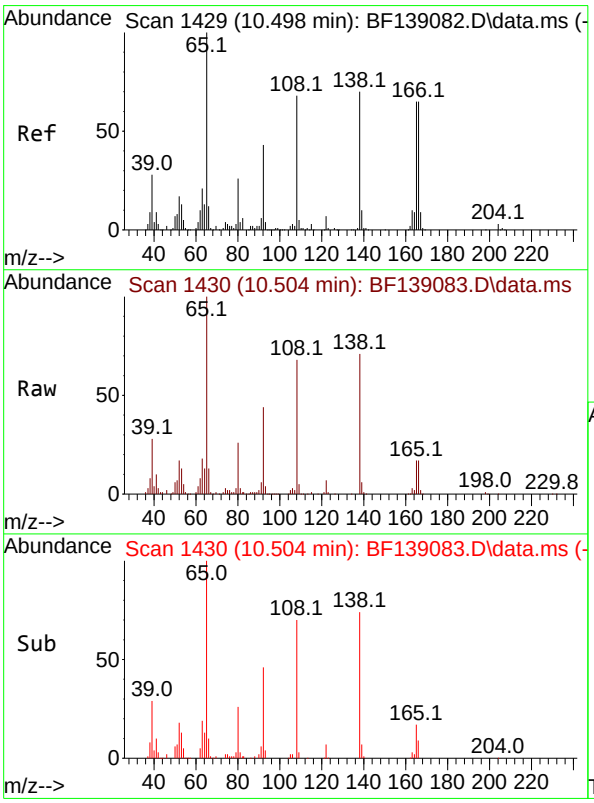
#61
4-Chlorophenyl-phenylether
Concen: 46.930 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 350687

Ion	Ratio	Lower	Upper
204	100		
206	32.4	27.0	40.4
141	63.0	50.9	76.3

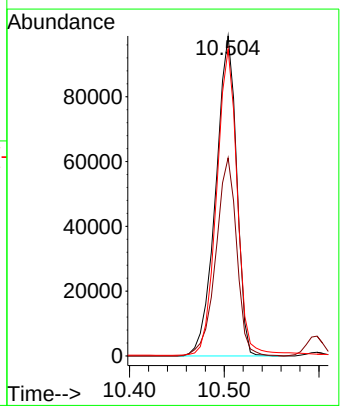


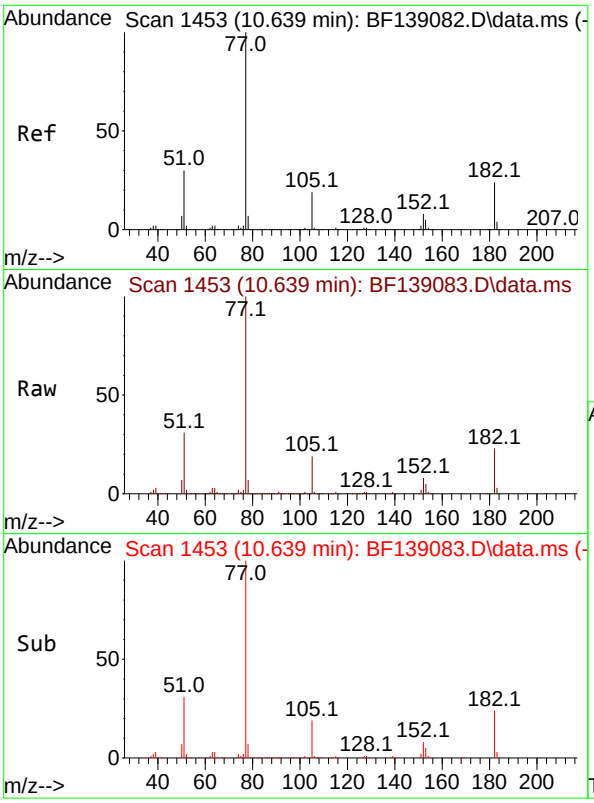


#62
4-Nitroaniline
Concen: 48.866 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:138 Resp: 151761

Ion	Ratio	Lower	Upper
138	100		
92	61.9	41.4	81.4
108	95.8	76.8	116.8



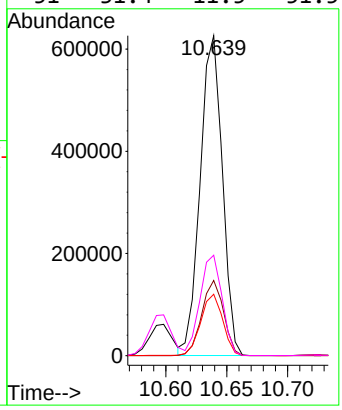


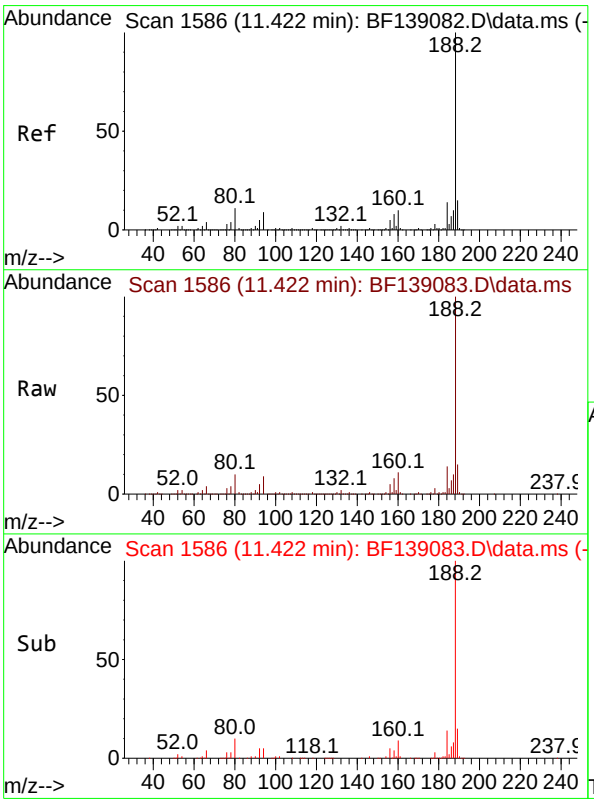
#63
Azobenzene
Concen: 47.679 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 793171

Ion	Ratio	Lower	Upper
77	100		
182	23.5	4.0	44.0
105	19.2	0.0	39.1
51	31.4	11.5	51.5

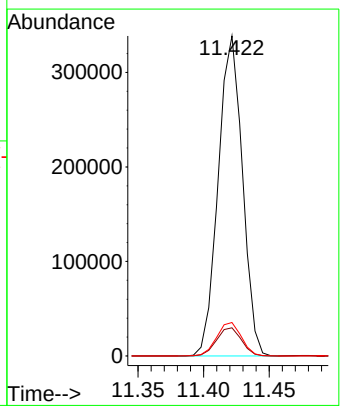


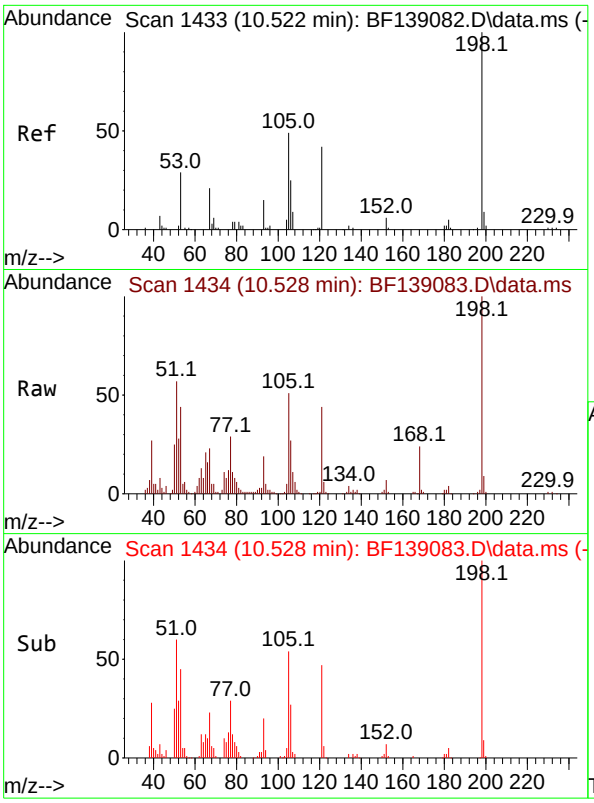


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:188 Resp: 435216

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	10.4	8.5	12.7



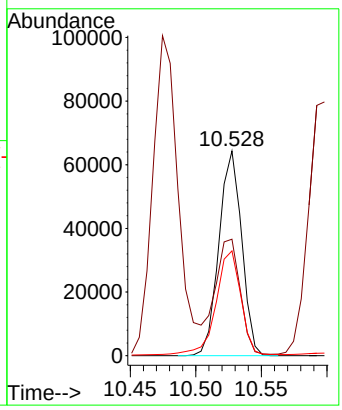


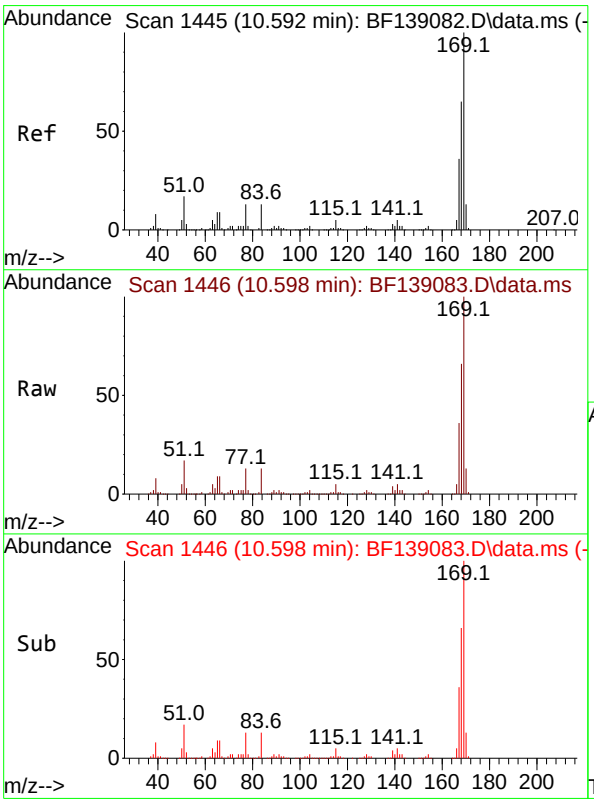
#65
4,6-Dinitro-2-methylphenol
Concen: 49.099 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 77438

Ion	Ratio	Lower	Upper
198	100		
51	56.9	40.8	80.8
105	51.2	30.9	70.9

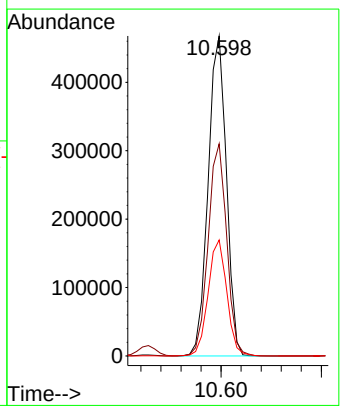


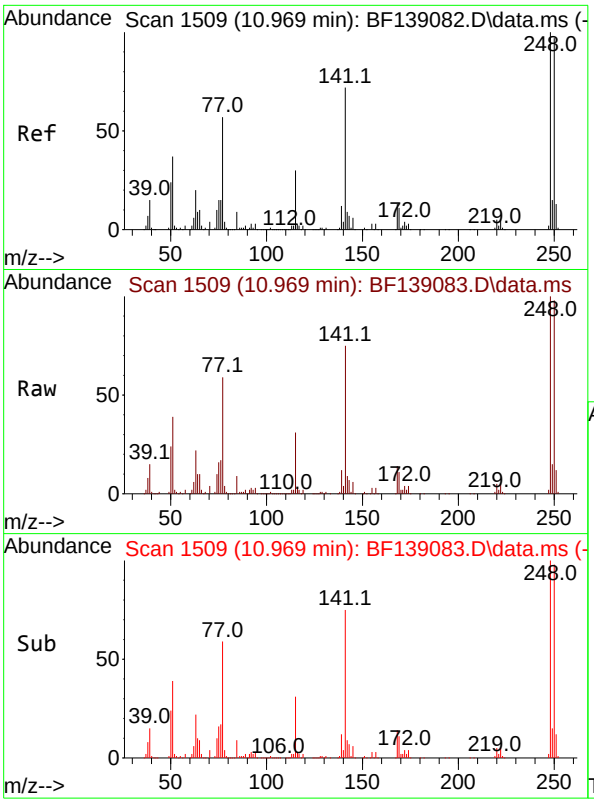


#66
n-Nitrosodiphenylamine
Concen: 45.922 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:169 Resp: 591363

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.4	78.6
167	36.3	28.6	43.0



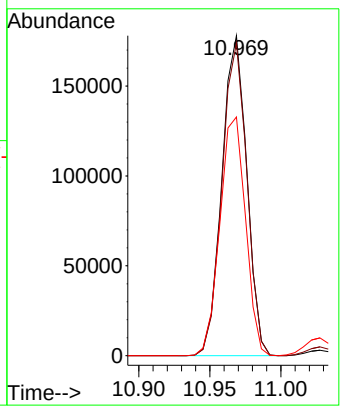


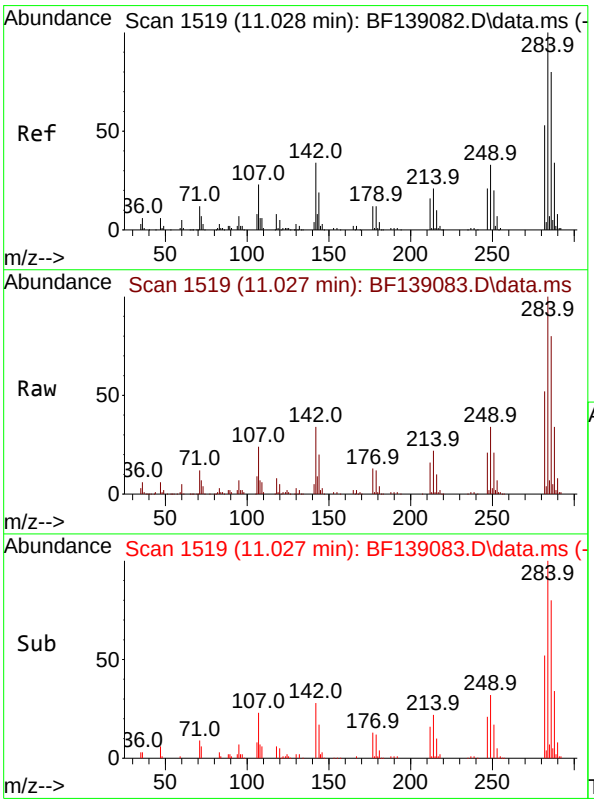
#67
4-Bromophenyl-phenylether
Concen: 47.017 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 216829

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.8	116.8
141	74.6	57.9	86.9

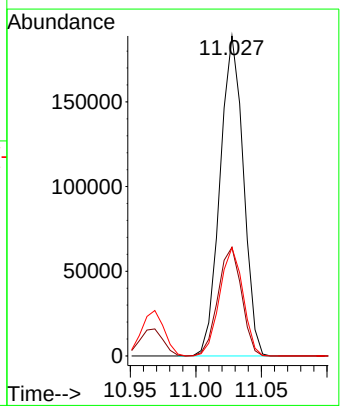


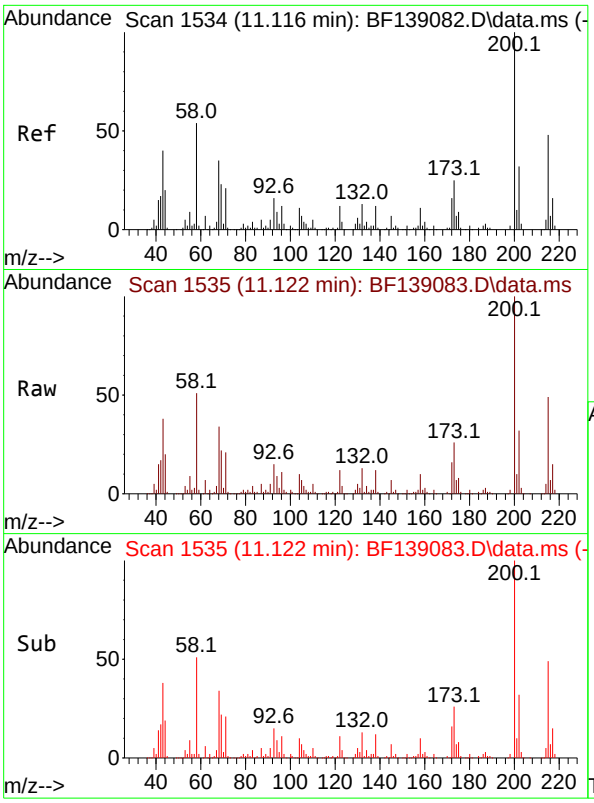


#68
Hexachlorobenzene
Concen: 47.245 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:284 Resp: 233747

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	33.8	26.8	40.2



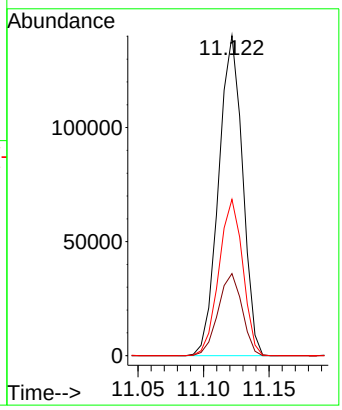


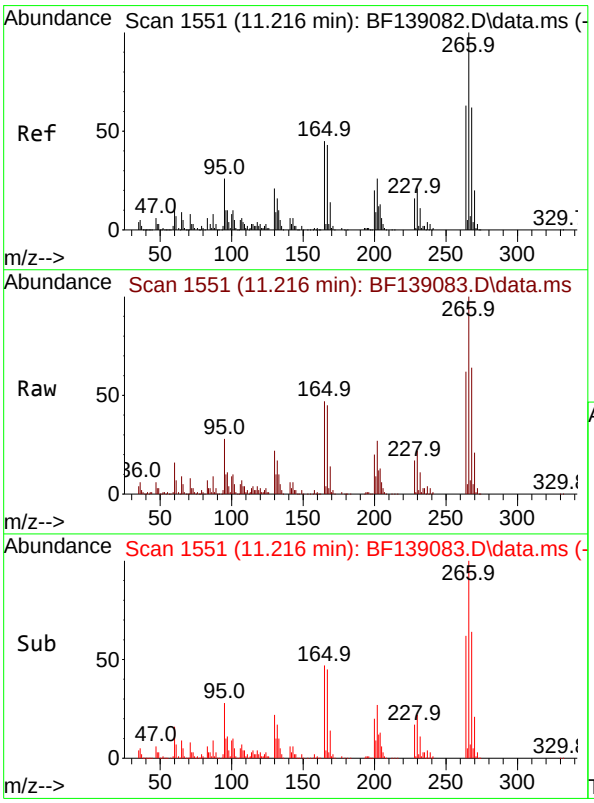
#69
Atrazine
Concen: 45.242 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 177936

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.2	45.2
215	48.9	27.9	67.9

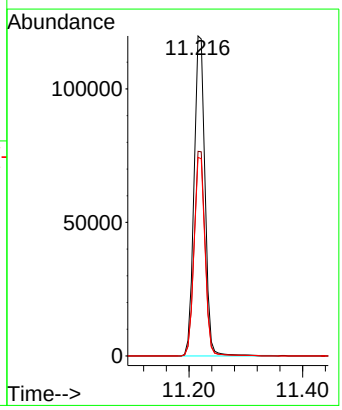


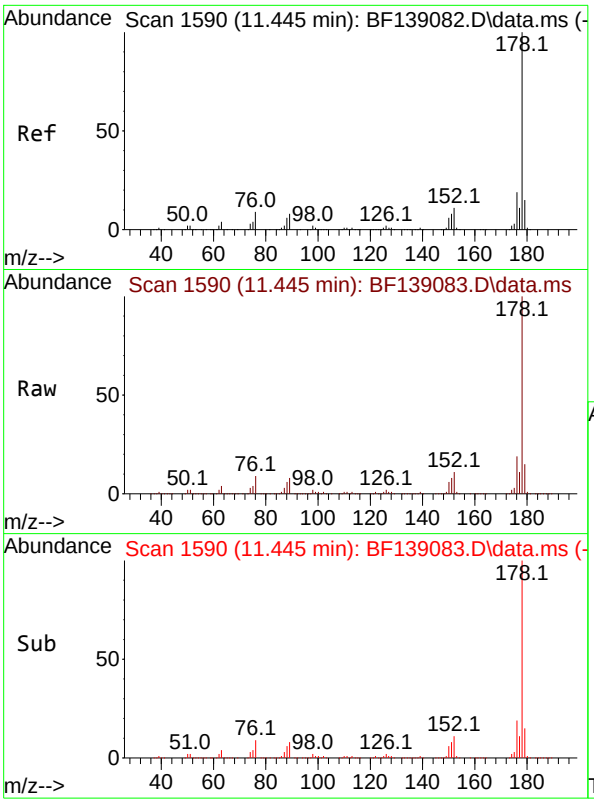


#70
Pentachlorophenol
Concen: 51.028 ng
RT: 11.216 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:266 Resp: 161268

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.5	74.3
264	62.1	50.0	75.0



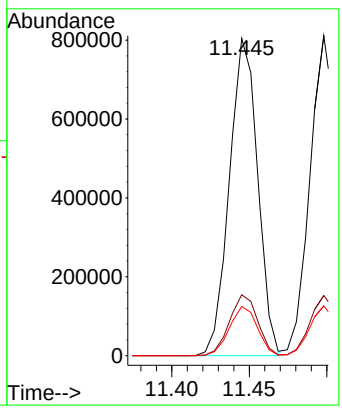


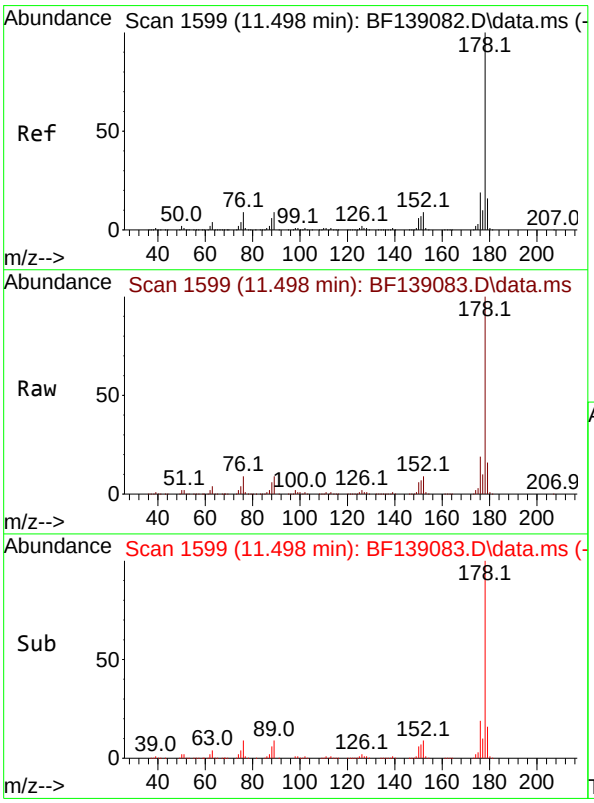
#71
Phenanthrene
Concen: 46.116 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1020127

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.3	18.5

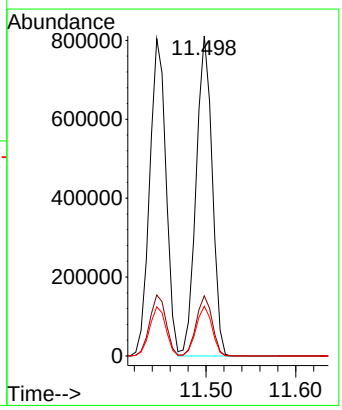


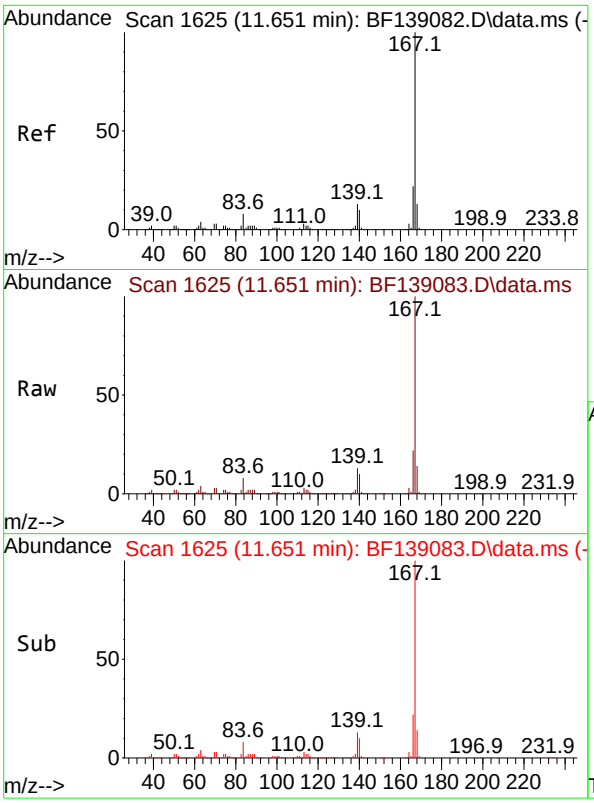


#72
Anthracene
Concen: 46.480 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:178 Resp: 1005538

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.4	18.6



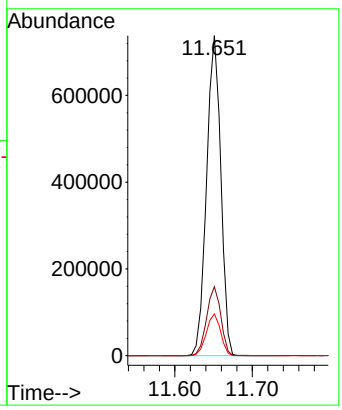


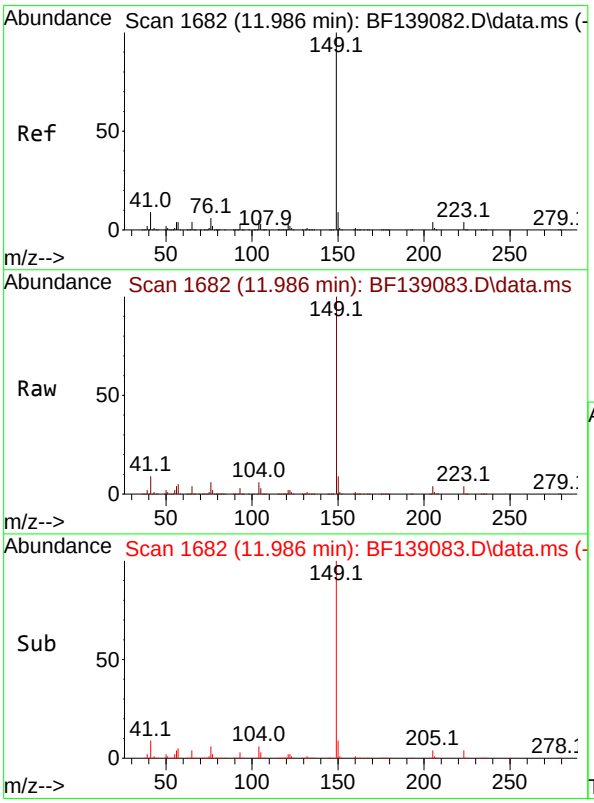
#73
Carbazole
Concen: 46.563 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 940634

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.0	10.5	15.7

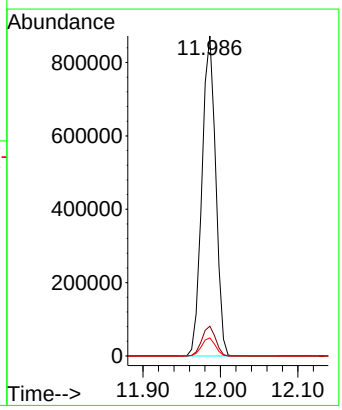


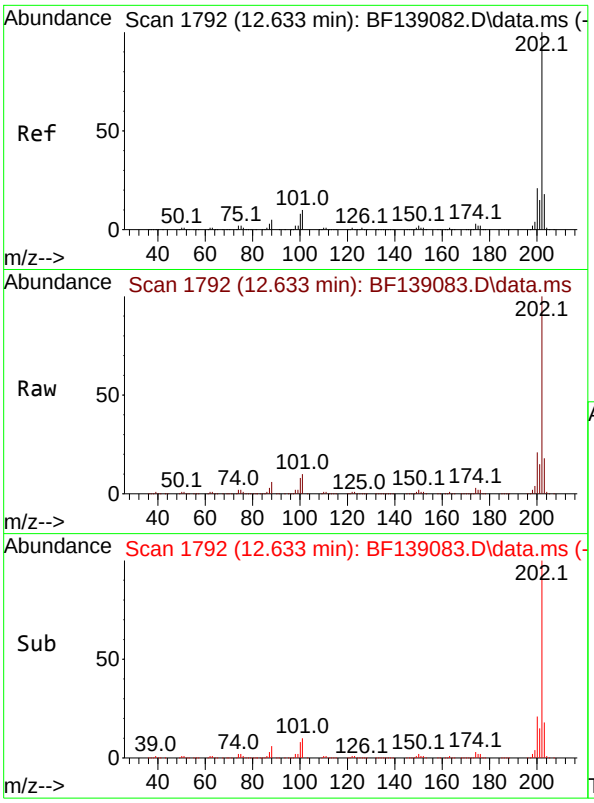


#74
Di-n-butylphthalate
Concen: 45.851 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 1074018

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.6	4.3	6.5



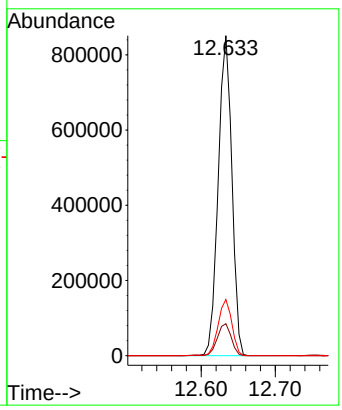


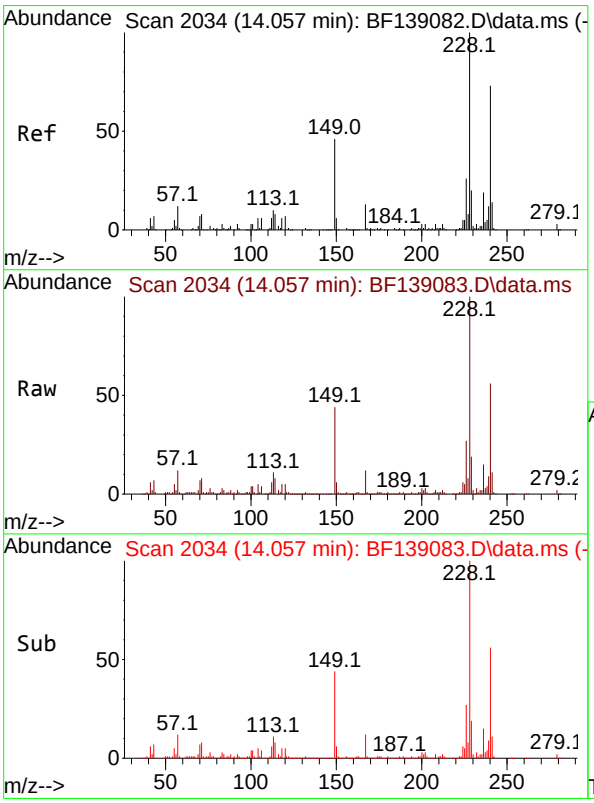
#75
Fluoranthene
Concen: 46.121 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1088934

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.5	0.0	37.6

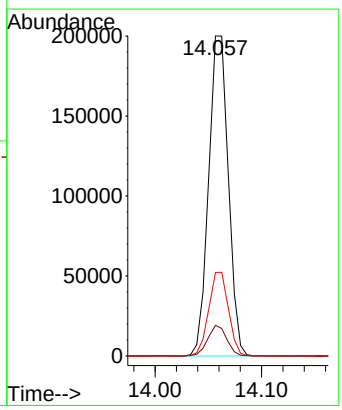


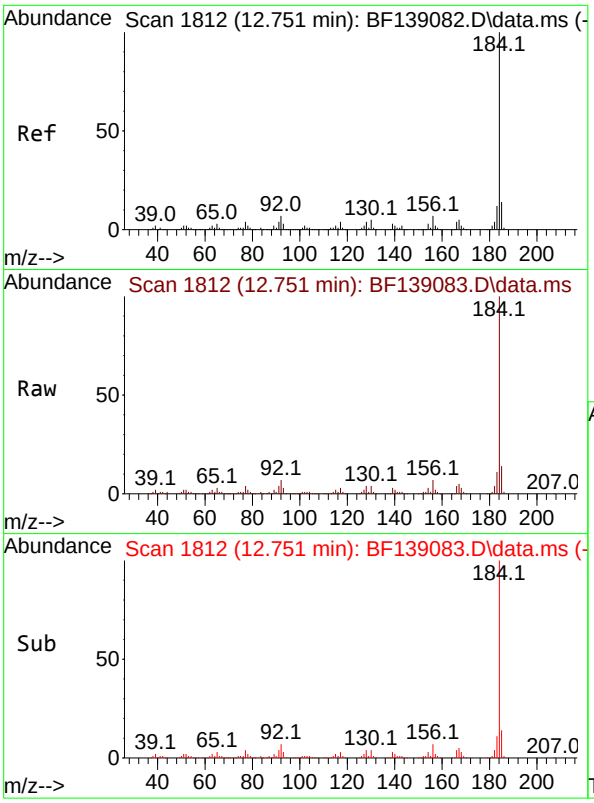


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:240 Resp: 257983

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.8	11.6
236	26.1	20.9	31.3



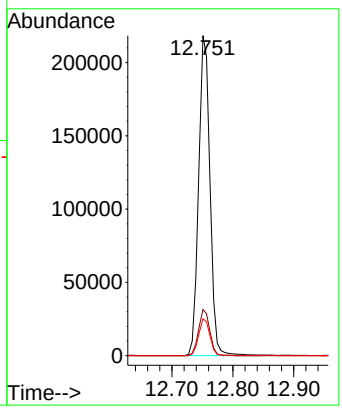


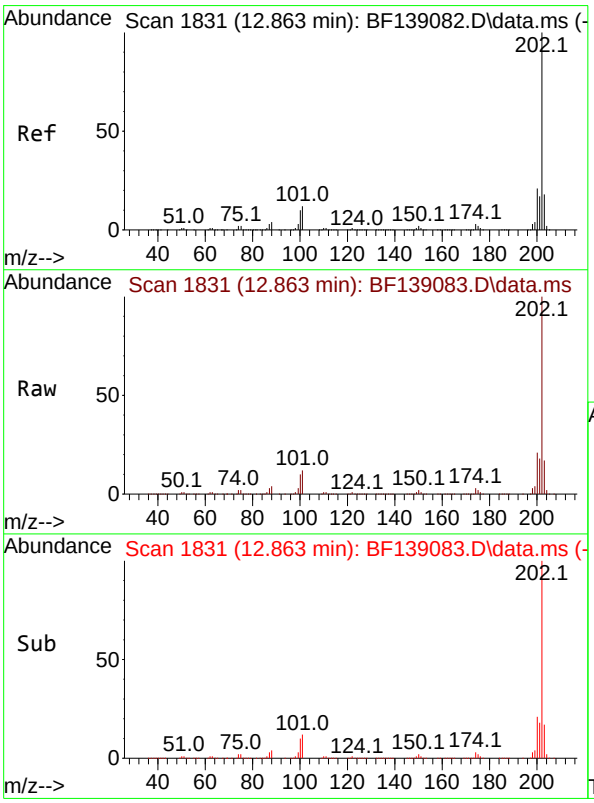
#77
Benzidine
Concen: 53.135 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 283155

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.5	9.8	14.6

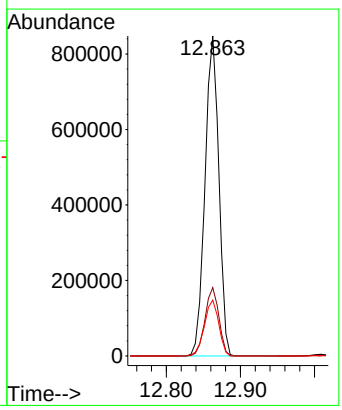


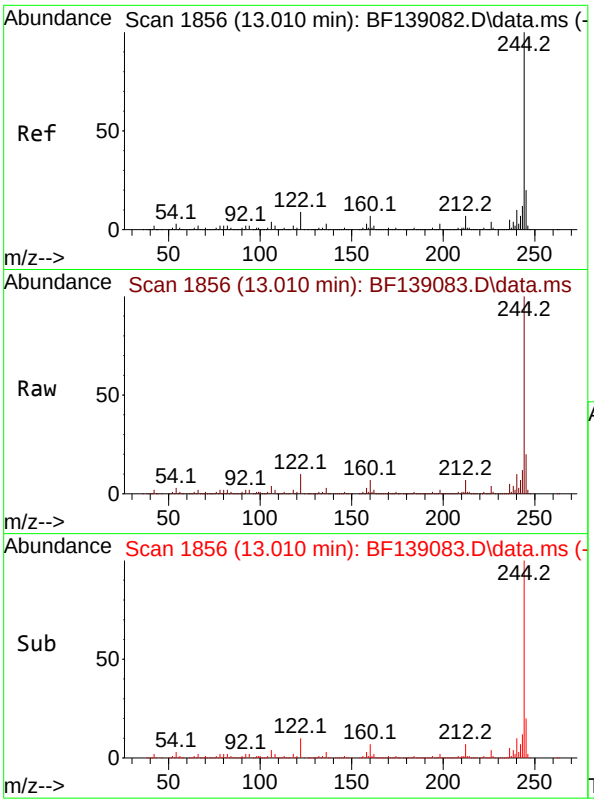


#78
Pyrene
Concen: 51.059 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:202 Resp: 1099257

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.5	14.1	21.1



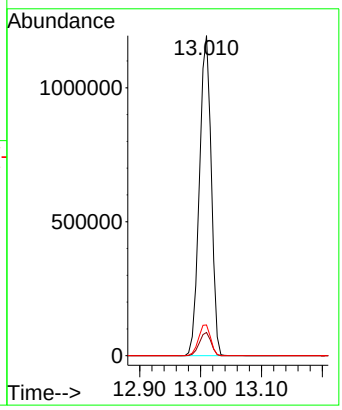


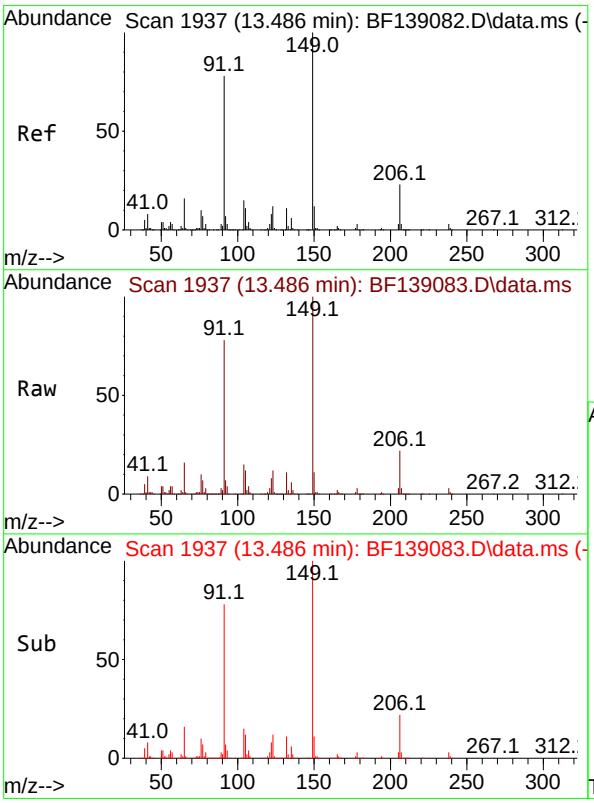
#79
Terphenyl-d14
Concen: 103.099 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1602961

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.6	7.6	11.4

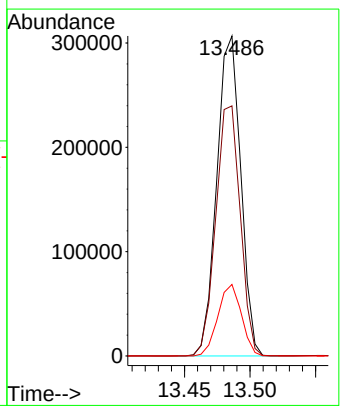


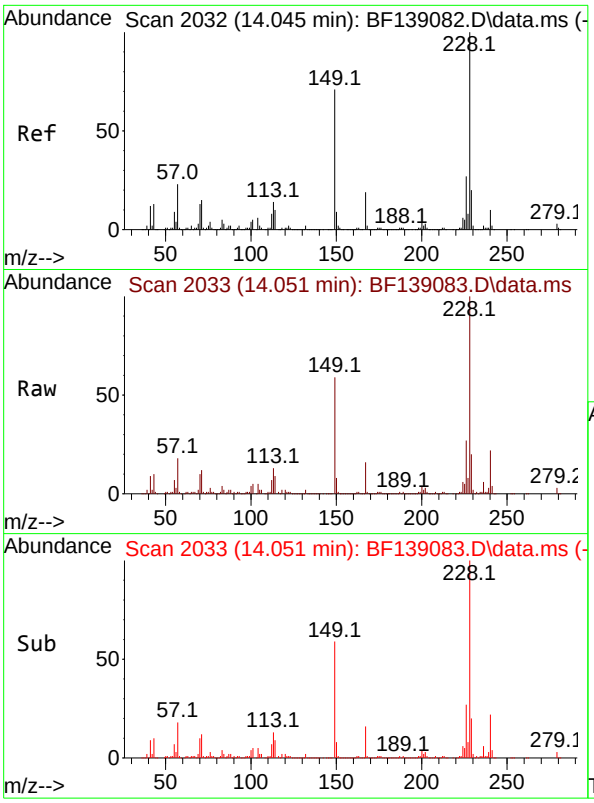


#80
Butylbenzylphthalate
Concen: 52.304 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 389571

Ion	Ratio	Lower	Upper
149	100		
91	78.1	62.1	93.1
206	22.3	18.0	27.0



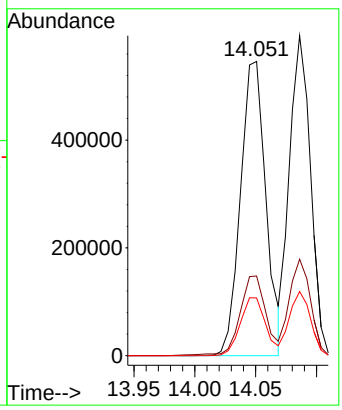


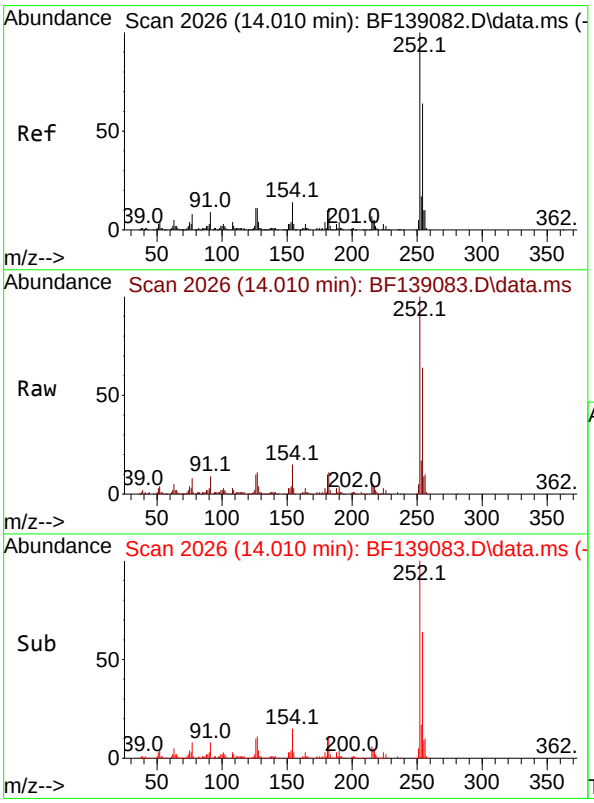
#81
Benzo(a)anthracene
Concen: 46.853 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 794569

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.6	16.1	24.1

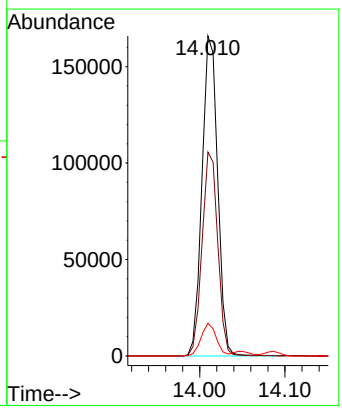


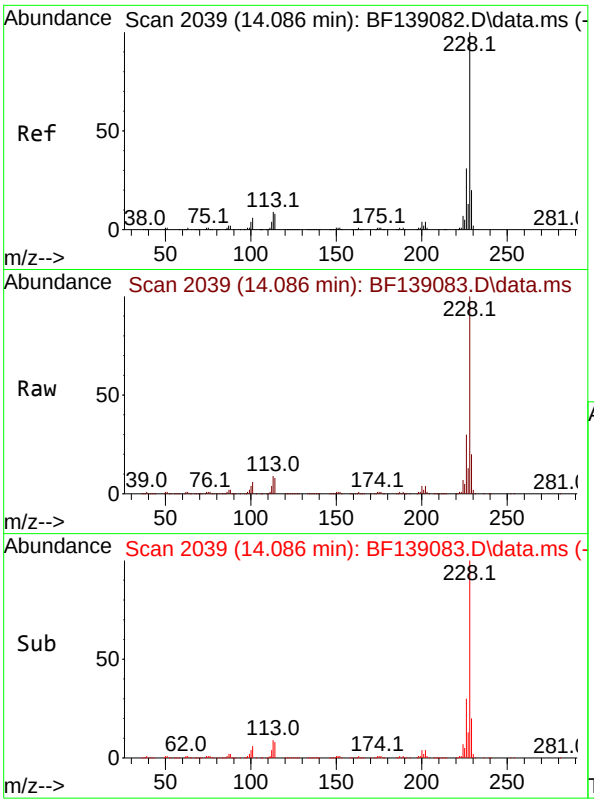


#82
3,3'-Dichlorobenzidine
Concen: 44.739 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:252 Resp: 212078

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	10.2	8.6	12.8



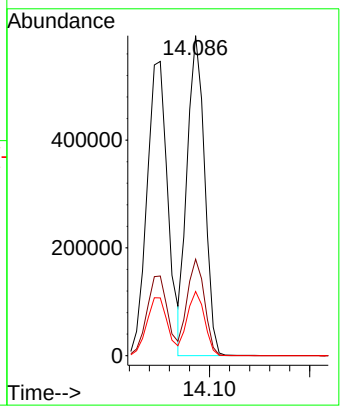


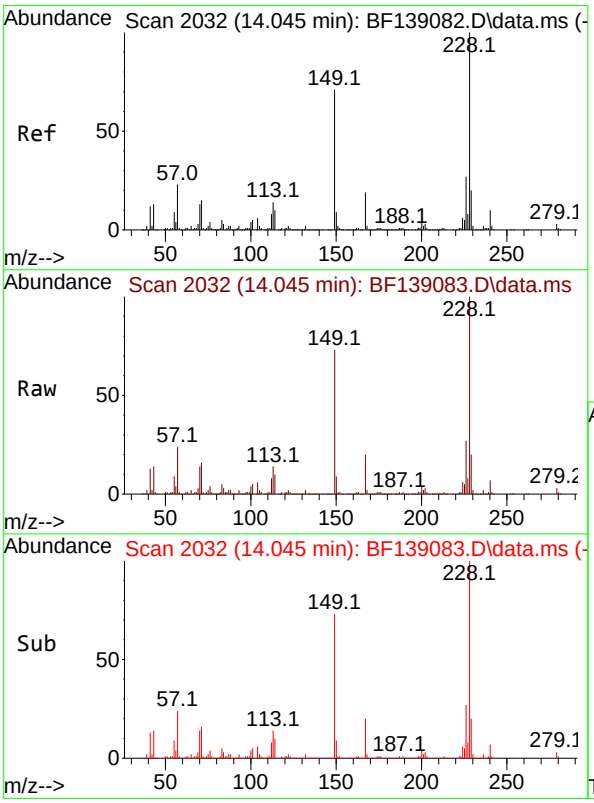
#83
Chrysene
Concen: 46.635 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 716847

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	20.1	15.8	23.8

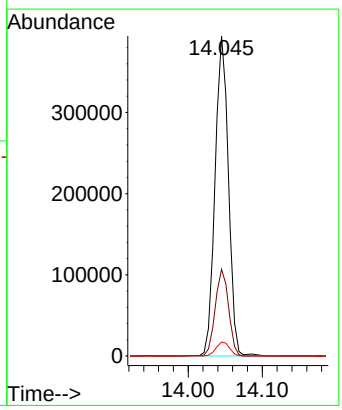


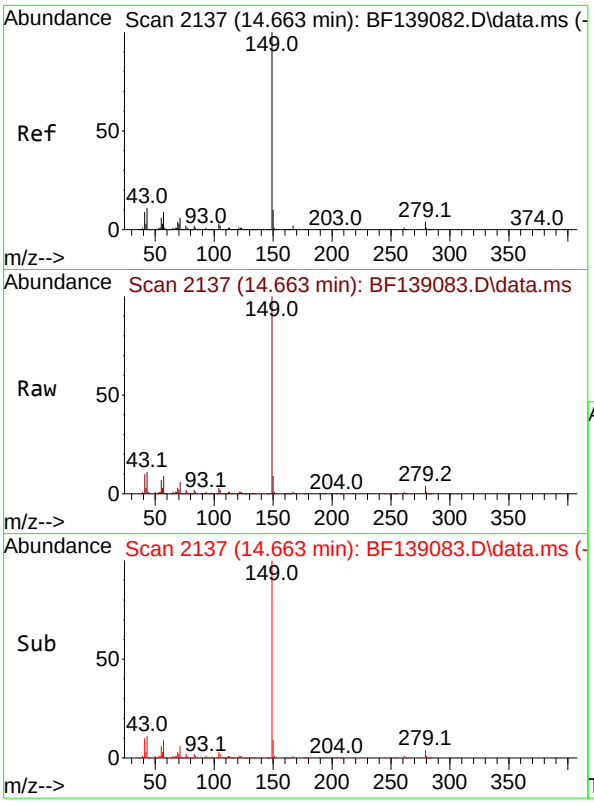


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.913 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:149 Resp: 492852

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.6
279	4.4	3.5	5.3



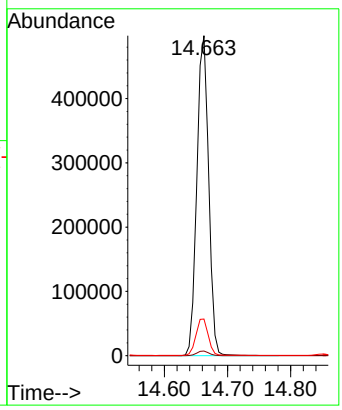


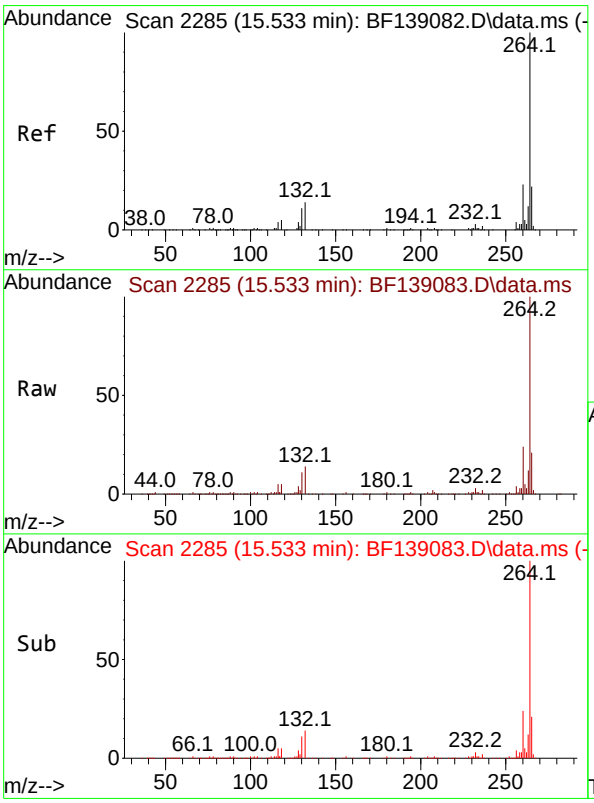
#85
Di-n-octyl phthalate
Concen: 46.438 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 643574

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.6	14.4

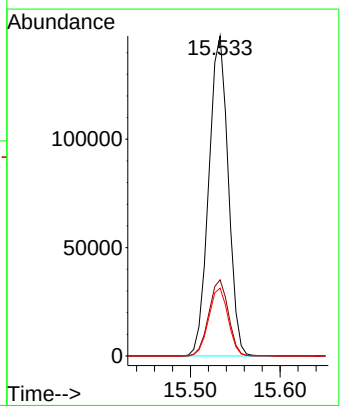


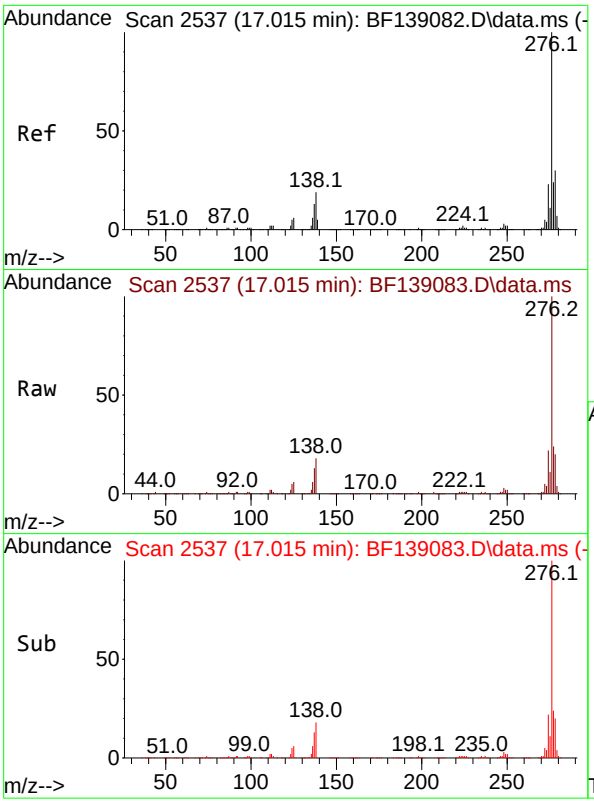


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:264 Resp: 221684

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.2	17.4	26.2



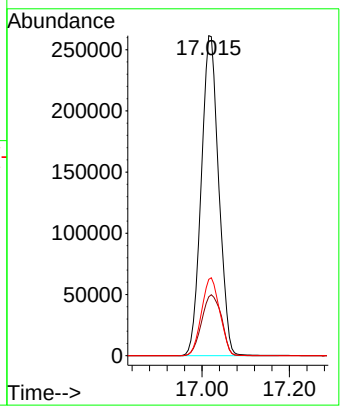


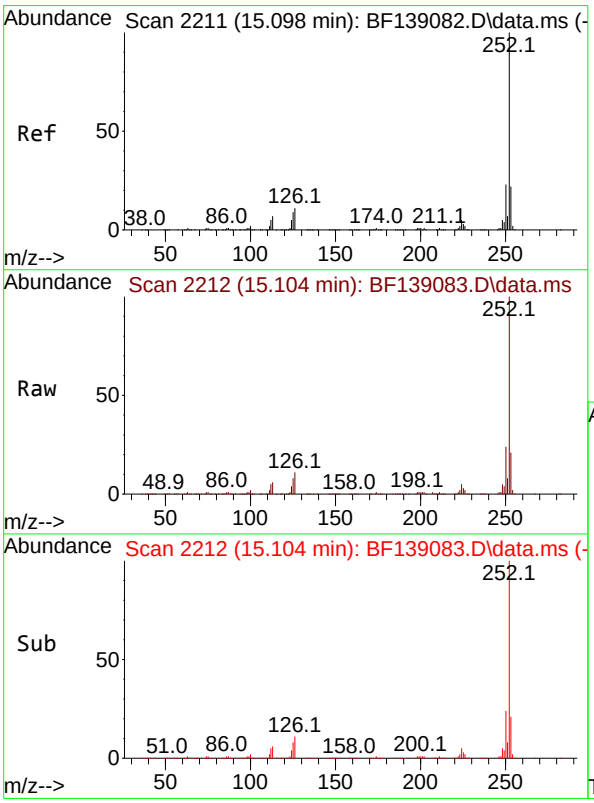
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.893 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 725173

Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.3	25.9
277	25.5	20.2	30.4

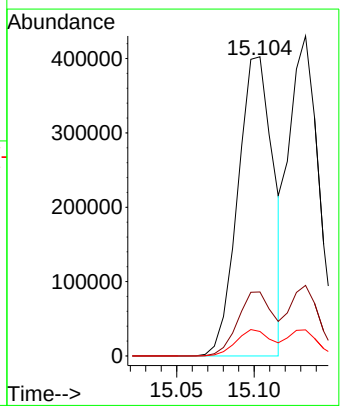


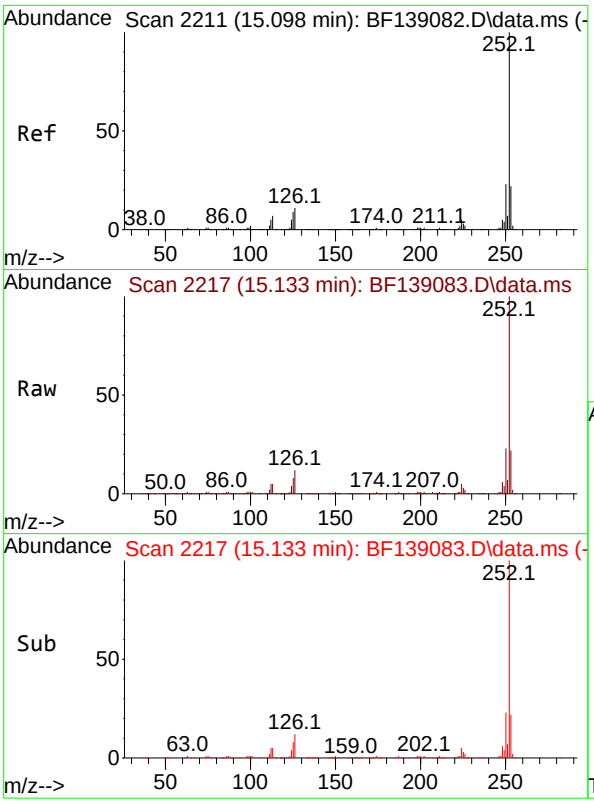


#88
Benzo(b)fluoranthene
Concen: 44.224 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:252 Resp: 639143

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.2	7.0	10.6



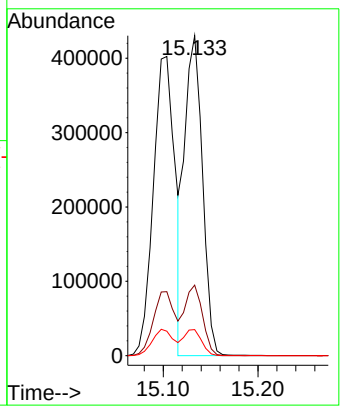


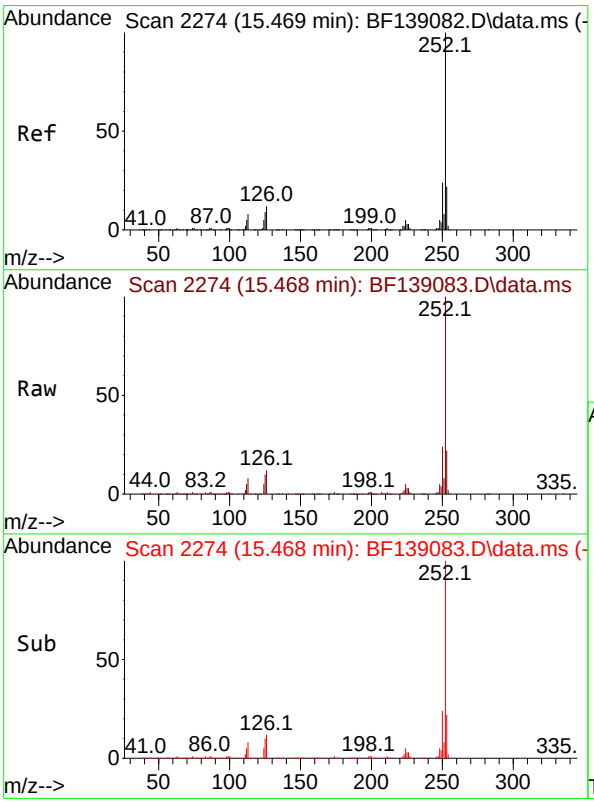
#89
Benzo(k)fluoranthene
Concen: 46.900 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 564533

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	8.2	7.0	10.6

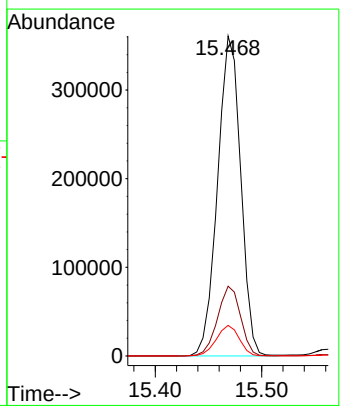


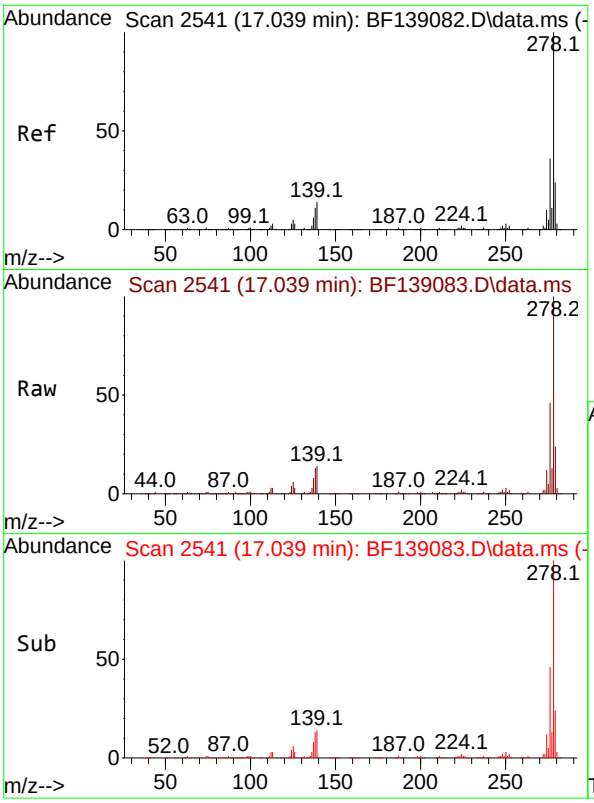


#90
Benzo(a)pyrene
Concen: 47.628 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:252 Resp: 543904

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.6	7.4	11.2



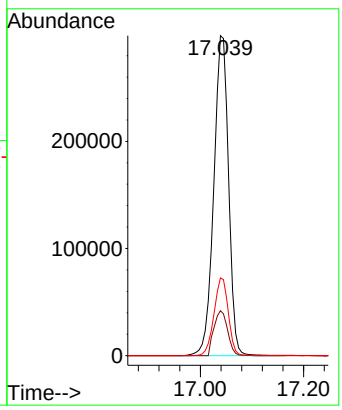


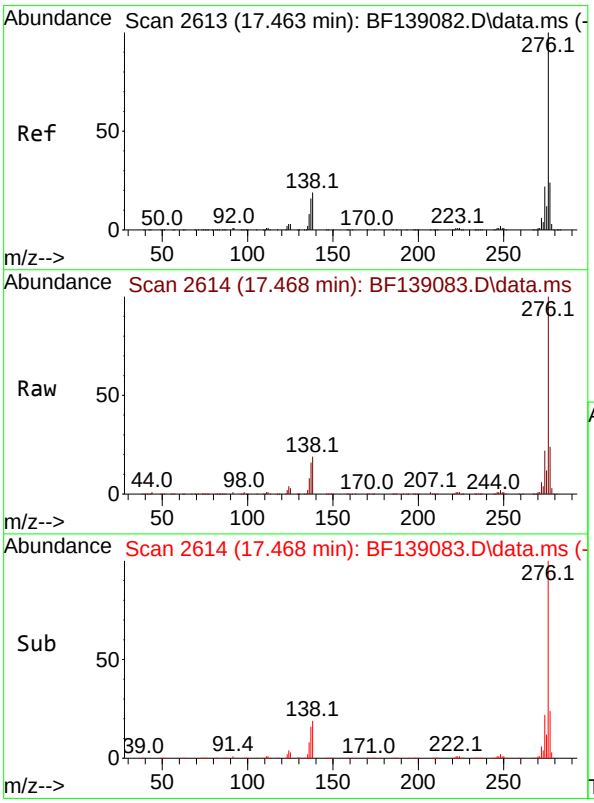
#91
Dibenzo(a,h)anthracene
Concen: 55.711 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 593343

Ion	Ratio	Lower	Upper
278	100		
139	14.1	10.8	16.2
279	24.3	19.2	28.8

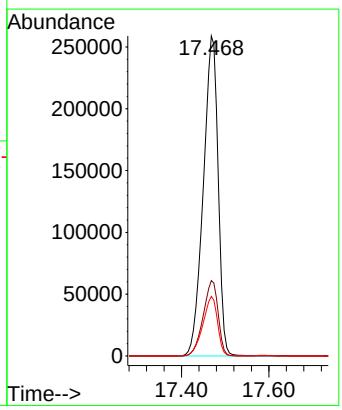




#92
Benzo(g,h,i)perylene
Concen: 50.085 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BF139083.D
Acq: 20 Aug 2024 19:41

Tgt Ion:276 Resp: 611003

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	18.6	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139084.D
Acq On : 20 Aug 2024 20:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 01:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	116767	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	414853	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	238087	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	424289	20.000	ng		0.00
76) Chrysene-d12	14.063	240	234868	20.000	ng		0.00
86) Perylene-d12	15.533	264	215767	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	848645	111.817	ng		0.00
7) Phenol-d6	6.528	99	1114003	113.596	ng		0.00
23) Nitrobenzene-d5	7.469	82	973376	136.720	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	283705	131.627	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1655383	110.315	ng		0.00
79) Terphenyl-d14	13.010	244	1867052	131.903	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	192666	59.186	ng		99
3) Pyridine	3.446	79	483377	58.435	ng		99
4) n-Nitrosodimethylamine	3.416	42	280755	56.184	ng		99
6) Aniline	6.563	93	494161m	55.818	ng		
8) 2-Chlorophenol	6.687	128	415028	56.854	ng		99
9) Benzaldehyde	6.451	77	286216	49.764	ng		99
10) Phenol	6.545	94	569365	55.800	ng		96
11) bis(2-Chloroethyl)ether	6.640	93	453791	55.512	ng		97
12) 1,3-Dichlorobenzene	6.840	146	496266	56.543	ng		99
13) 1,4-Dichlorobenzene	6.916	146	499243	56.891	ng		99
14) 1,2-Dichlorobenzene	7.075	146	458713	57.195	ng		100
15) Benzyl Alcohol	7.040	79	448065	57.809	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	635410	54.970	ng		99
17) 2-Methylphenol	7.145	107	357526	57.249	ng		98
18) Hexachloroethane	7.416	117	176274	57.284	ng		94
19) n-Nitroso-di-n-propyla...	7.322	70	348317	54.086	ng		98
20) 3+4-Methylphenols	7.304	107	454495	56.170	ng		94
22) Acetophenone	7.310	105	614826	58.044	ng	#	90
24) Nitrobenzene	7.487	77	526257	66.501	ng		100
25) Isophorone	7.722	82	897722	59.325	ng		99
26) 2-Nitrophenol	7.798	139	173893	61.265	ng		99
27) 2,4-Dimethylphenol	7.834	122	275889	57.495	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	517880	58.571	ng		99
29) 2,4-Dichlorophenol	8.034	162	361119	60.407	ng		98
30) 1,2,4-Trichlorobenzene	8.122	180	411787	58.827	ng		100
31) Naphthalene	8.204	128	1234480	58.721	ng		100
32) Benzoic acid	7.969	122	256052	60.659	ng		95
33) 4-Chloroaniline	8.257	127	427007	59.308	ng		99
34) Hexachlorobutadiene	8.322	225	267627	58.528	ng		100
35) Caprolactam	8.639	113	117296	61.896	ng		98
36) 4-Chloro-3-methylphenol	8.728	107	400116	60.448	ng		99
37) 2-Methylnaphthalene	8.892	142	770749	57.159	ng		100
38) 1-Methylnaphthalene	8.992	142	754101	57.945	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	393492	61.546	ng		99
41) Hexachlorocyclopentadiene	9.045	237	159087	63.503	ng		98
43) 2,4,6-Trichlorophenol	9.169	196	264292	60.084	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139084.D
Acq On : 20 Aug 2024 20:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 01:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	273227	60.514	ng		99
46) 1,1'-Biphenyl	9.363	154	955936	58.612	ng		100
47) 2-Chloronaphthalene	9.386	162	769095	58.036	ng		100
48) 2-Nitroaniline	9.475	65	239544	61.293	ng		97
49) Acenaphthylene	9.798	152	1107542	58.342	ng		100
50) Dimethylphthalate	9.663	163	876931	59.661	ng		100
51) 2,6-Dinitrotoluene	9.722	165	185432	61.494	ng		98
52) Acenaphthene	9.975	154	737080	58.779	ng		97
53) 3-Nitroaniline	9.892	138	185121	60.833	ng		98
54) 2,4-Dinitrophenol	9.992	184	69592	62.322	ng	#	61
55) Dibenzofuran	10.145	168	1055676	57.960	ng		100
56) 4-Nitrophenol	10.039	139	154276	69.438	ng		99
57) 2,4-Dinitrotoluene	10.122	165	234505	61.661	ng		99
58) Fluorene	10.486	166	827038	56.818	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	230511	63.585	ng		99
60) Diethylphthalate	10.363	149	869390	59.695	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	412033	56.677	ng		98
62) 4-Nitroaniline	10.510	138	190012	61.824	ng		98
63) Azobenzene	10.639	77	944357	58.350	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	105631	62.597	ng		91
66) n-Nitrosodiphenylamine	10.598	169	714187	56.888	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	262967	58.490	ng		97
68) Hexachlorobenzene	11.028	284	287218	59.547	ng		100
69) Atrazine	11.122	200	212515	55.426	ng		99
70) Pentachlorophenol	11.222	266	198256	64.347	ng		99
71) Phenanthrene	11.445	178	1214149	56.300	ng		99
72) Anthracene	11.498	178	1197552	56.781	ng		100
73) Carbazole	11.651	167	1109602	56.342	ng		99
74) Di-n-butylphthalate	11.986	149	1291288	56.547	ng		100
75) Fluoranthene	12.633	202	1286842	55.906	ng		100
77) Benzidine	12.757	184	271453	55.952	ng		99
78) Pyrene	12.863	202	1296045	66.124	ng		100
80) Butylbenzylphthalate	13.486	149	453833	66.928	ng		99
81) Benzo(a)anthracene	14.051	228	901578	58.395	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	230868	53.496	ng		99
83) Chrysene	14.086	228	818271	58.472	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	566628	63.032	ng		100
85) Di-n-octyl phthalate	14.663	149	737539	58.456	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	886371	70.191	ng		100
88) Benzo(b)fluoranthene	15.104	252	841181	59.800	ng		100
89) Benzo(k)fluoranthene	15.133	252	605420	51.676	ng		99
90) Benzo(a)pyrene	15.474	252	659846	59.365	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	721676	69.619	ng		100
92) Benzo(g,h,i)perylene	17.474	276	744241	61.977	ng		100

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

ICAL Form

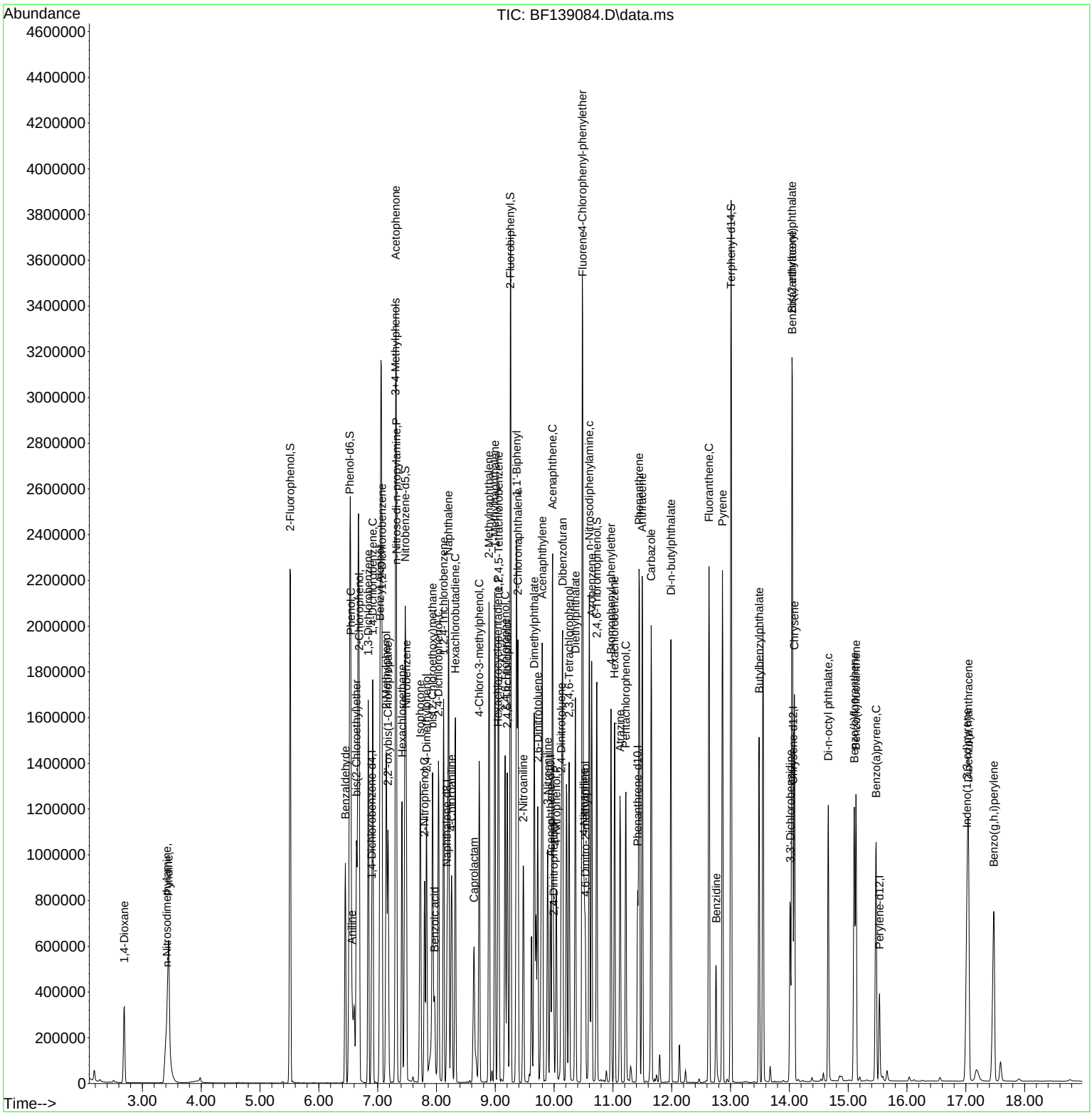
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139084.D
Acq On : 20 Aug 2024 20:11
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

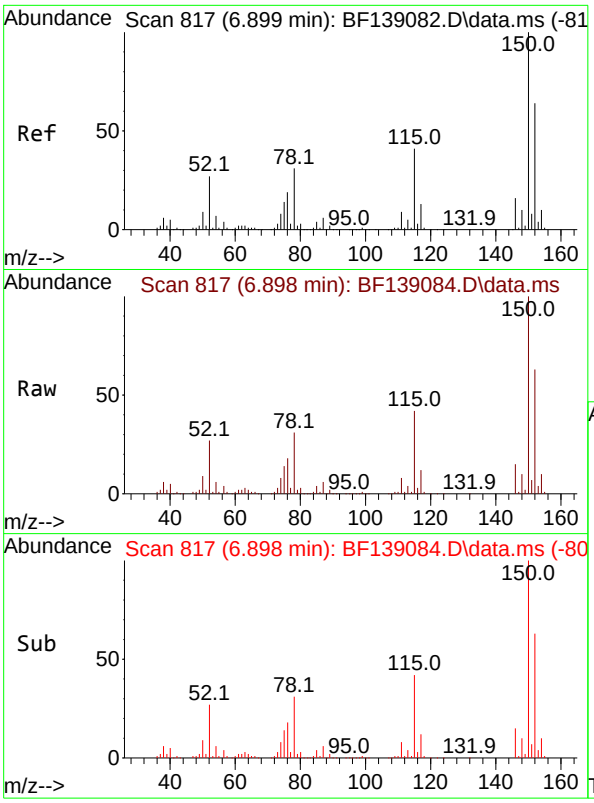
Quant Time: Aug 21 01:17:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

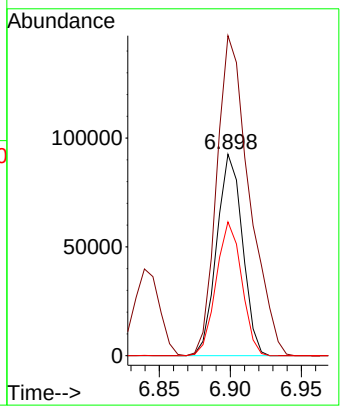




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:152 Resp: 11676

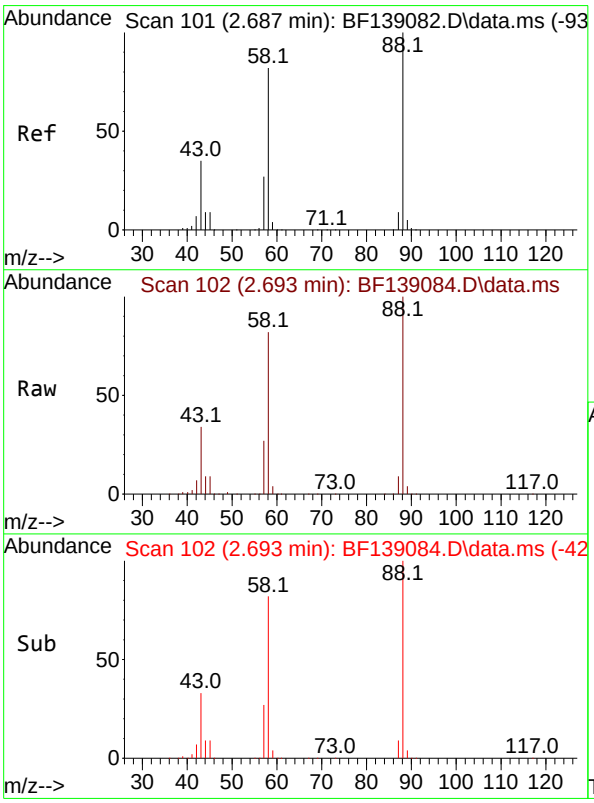
Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.1	187.7
115	66.4	51.8	77.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

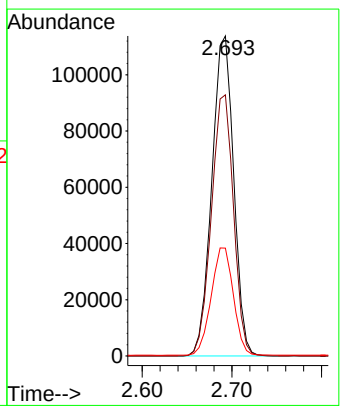
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

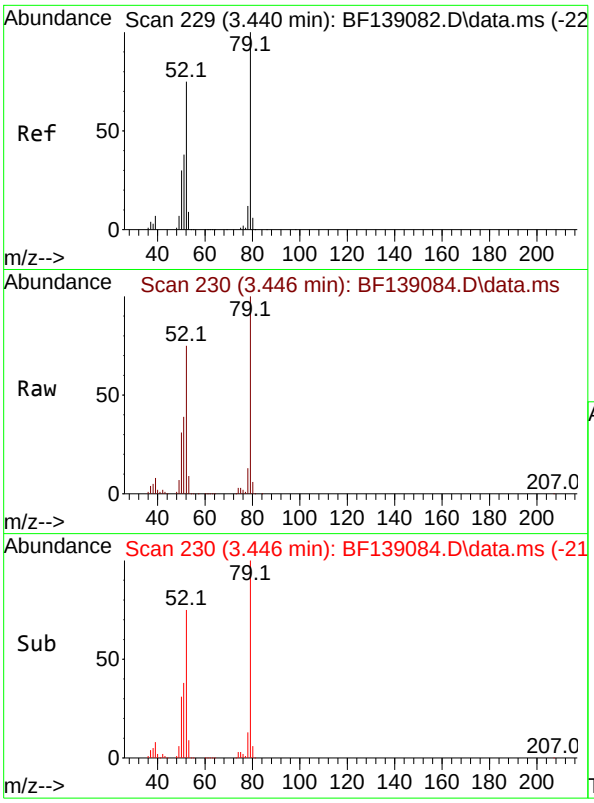


#2
1,4-Dioxane
Concen: 59.186 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 88 Resp: 192666

Ion	Ratio	Lower	Upper
88	100		
58	82.6	65.4	98.0
43	34.1	27.9	41.9

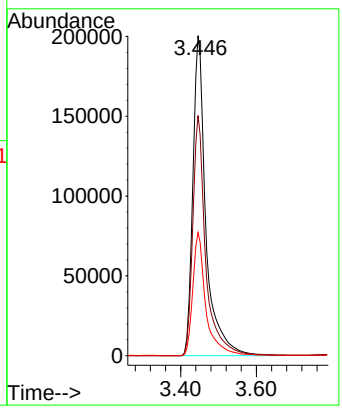




#3
Pyridine
Concen: 58.435 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 79 Resp: 48337

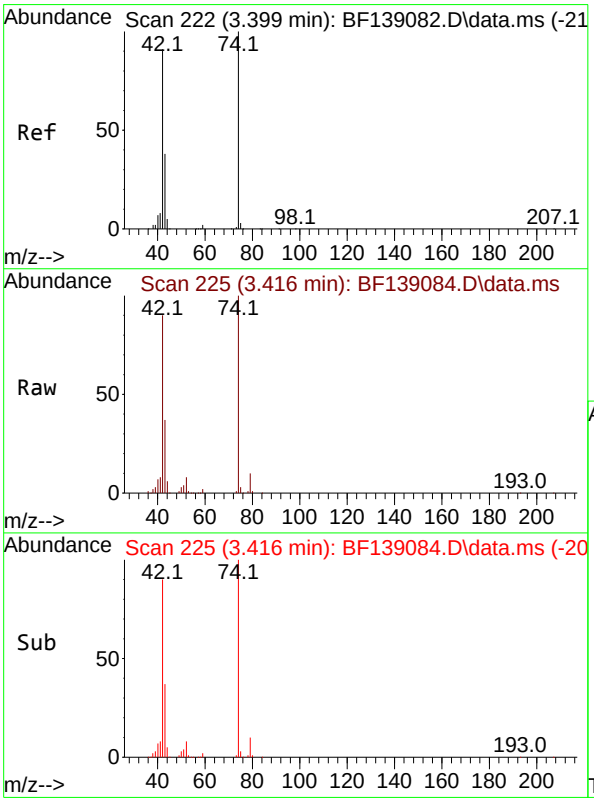
Ion	Ratio	Lower	Upper
79	100		
52	75.0	59.7	89.5
51	38.5	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

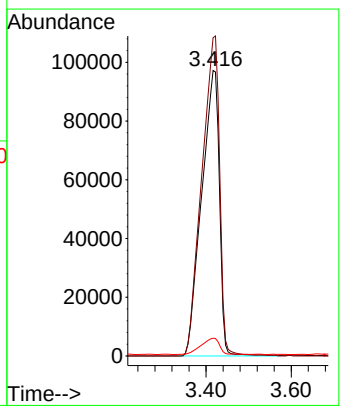
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

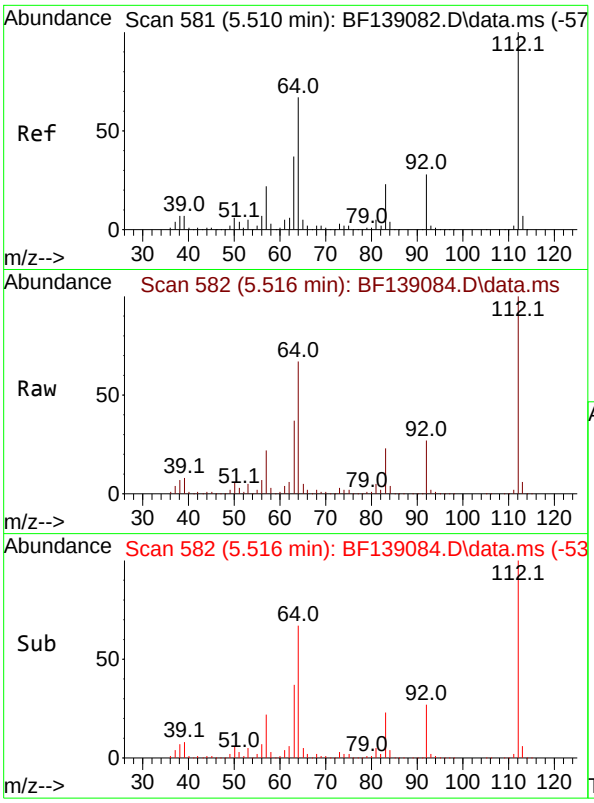


#4
n-Nitrosodimethylamine
Concen: 56.184 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.018 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 42 Resp: 280755

Ion	Ratio	Lower	Upper
42	100		
74	111.4	88.2	132.2
44	6.2	5.4	8.0

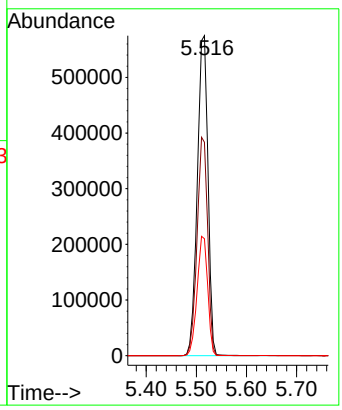




#5
2-Fluorophenol
Concen: 111.817 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:112 Resp: 84864

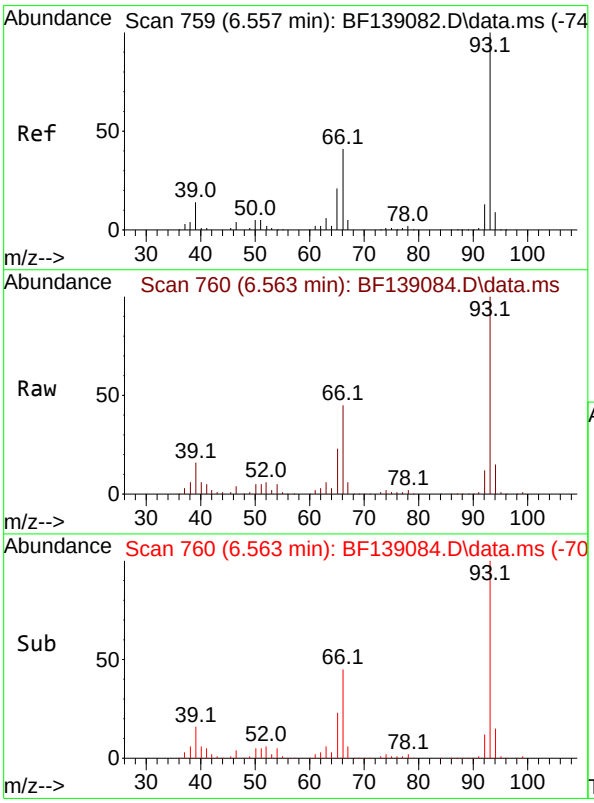
Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.8	80.6
63	36.5	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

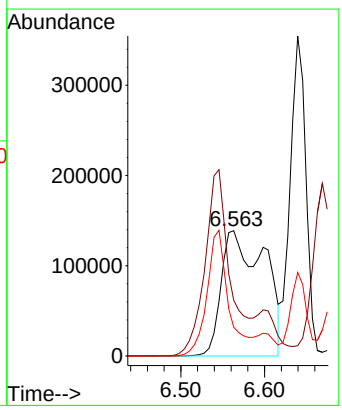
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

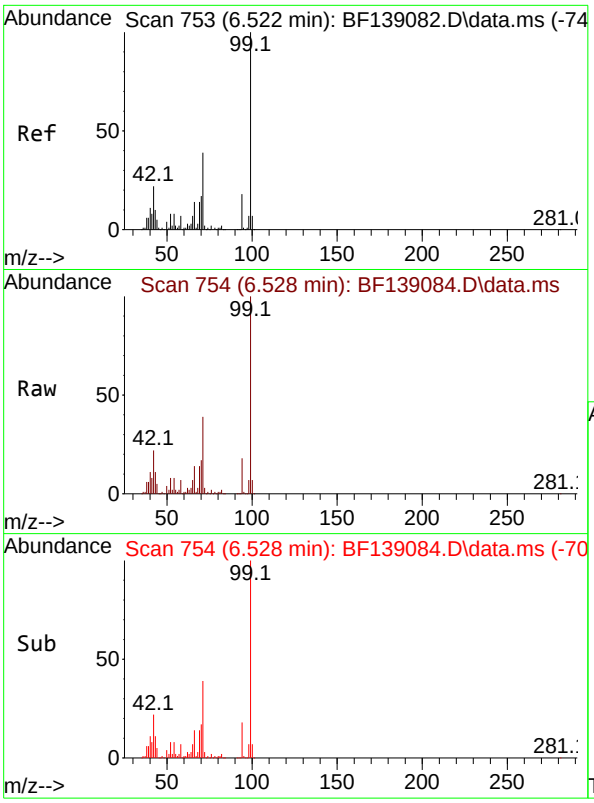


#6
Aniline
Concen: 55.818 ng m
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 93 Resp: 494161

Ion	Ratio	Lower	Upper
93	100		
66	44.5	35.1	52.7
65	23.0	17.4	26.2

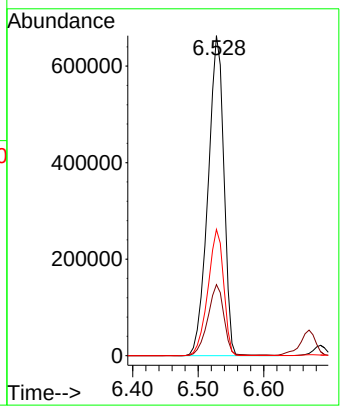




#7
Phenol-d6
Concen: 113.596 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 99 Resp: 111400

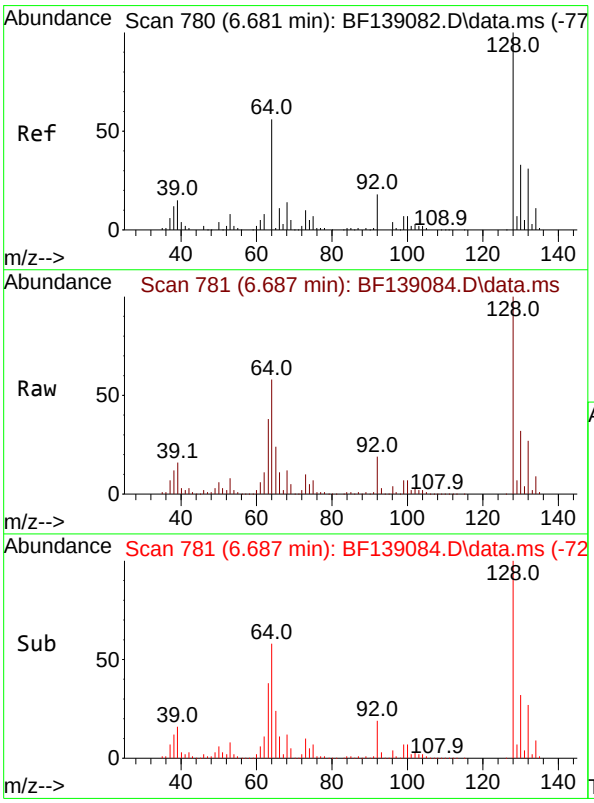
Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	39.5	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

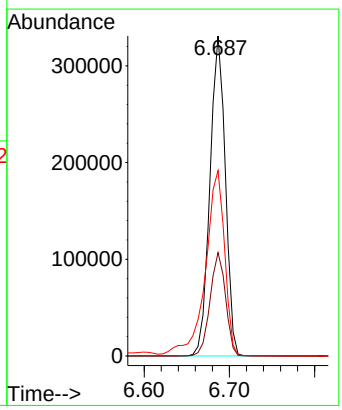
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

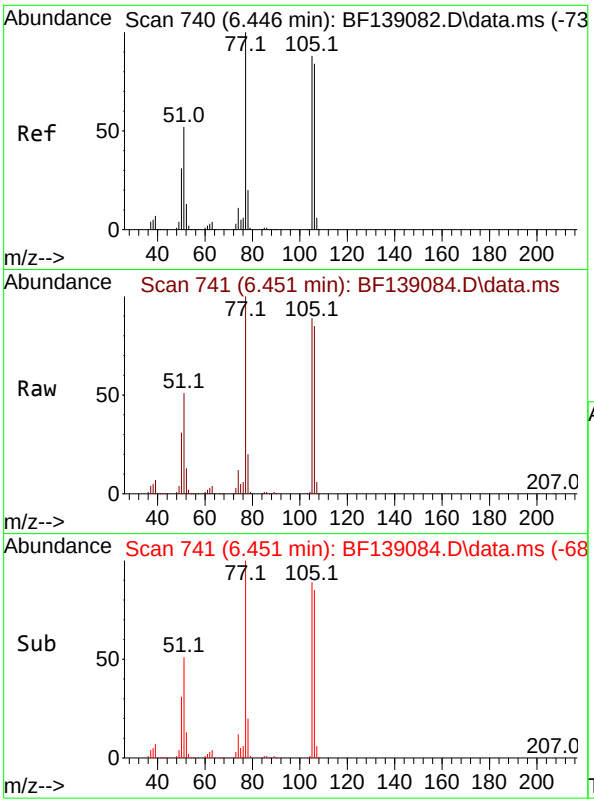


#8
2-Chlorophenol
Concen: 56.854 ng
RT: 6.687 min Scan# 781
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:128 Resp: 415028

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	57.9	39.1	79.1

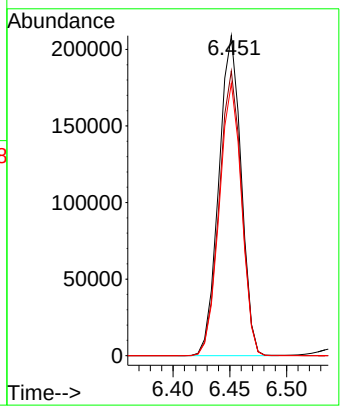




#9
Benzaldehyde
Concen: 49.764 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 77 Resp: 28621

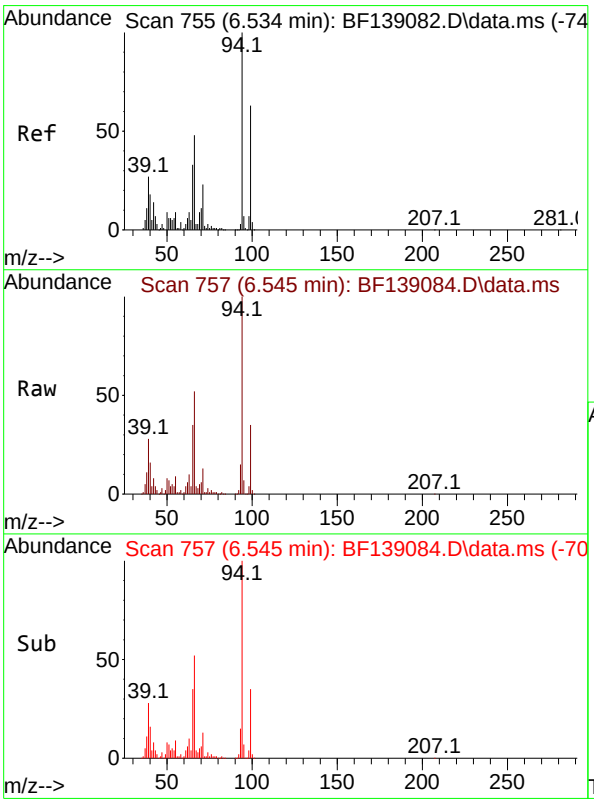
Ion	Ratio	Lower	Upper
77	100		
105	89.0	68.2	108.2
106	85.1	63.8	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

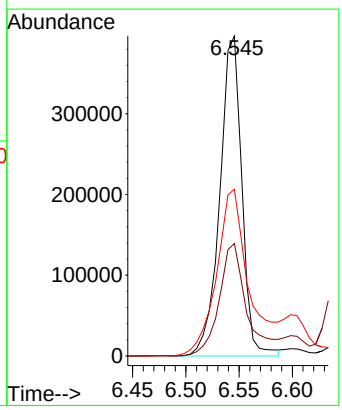
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

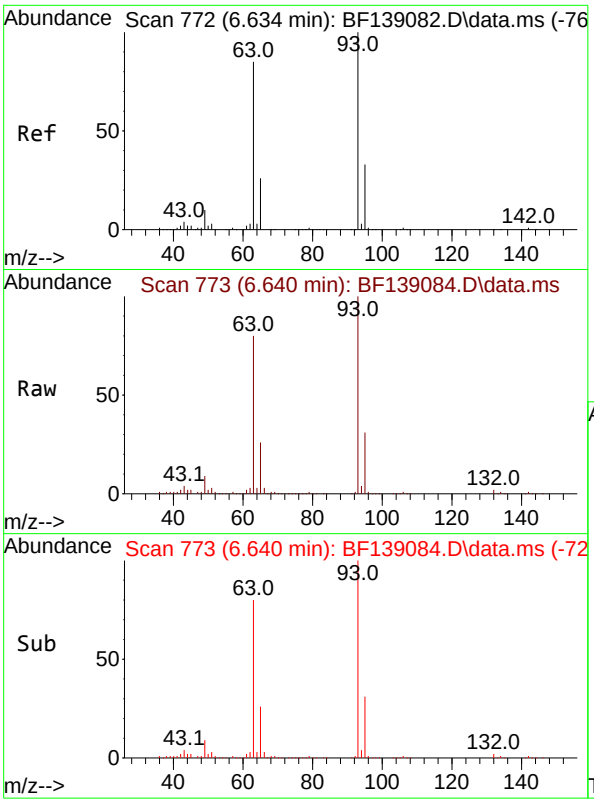


#10
Phenol
Concen: 55.800 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.012 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 94 Resp: 569365

Ion	Ratio	Lower	Upper
94	100		
65	35.2	13.5	53.5
66	52.1	28.5	68.5

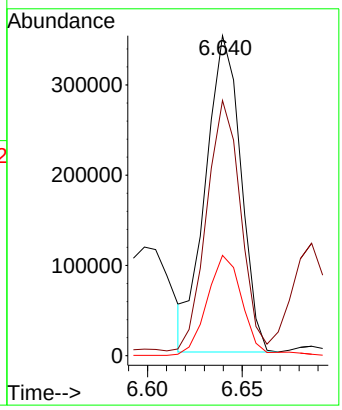




#11
bis(2-Chloroethyl)ether
Concen: 55.512 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 93 Resp: 45379

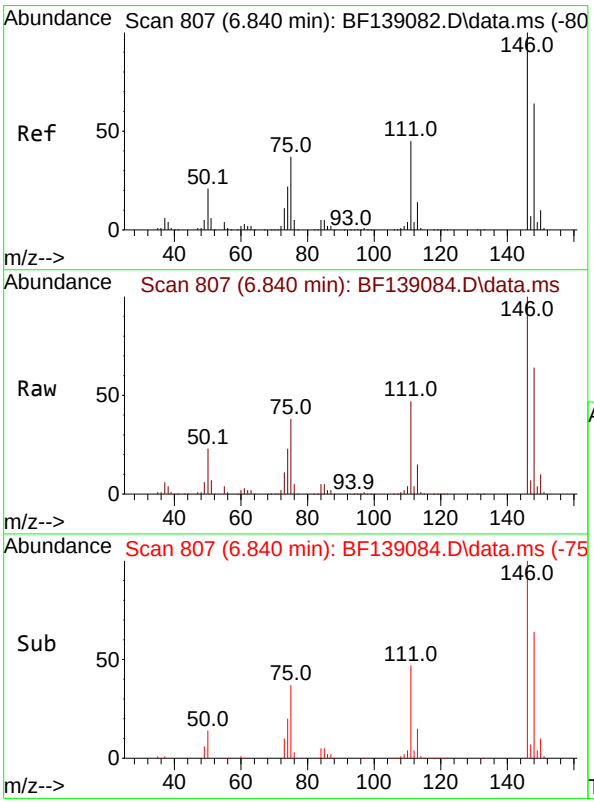
Ion	Ratio	Lower	Upper
93	100		
63	79.8	62.7	102.7
95	31.3	11.9	51.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

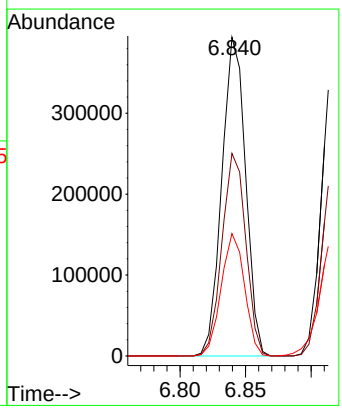
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

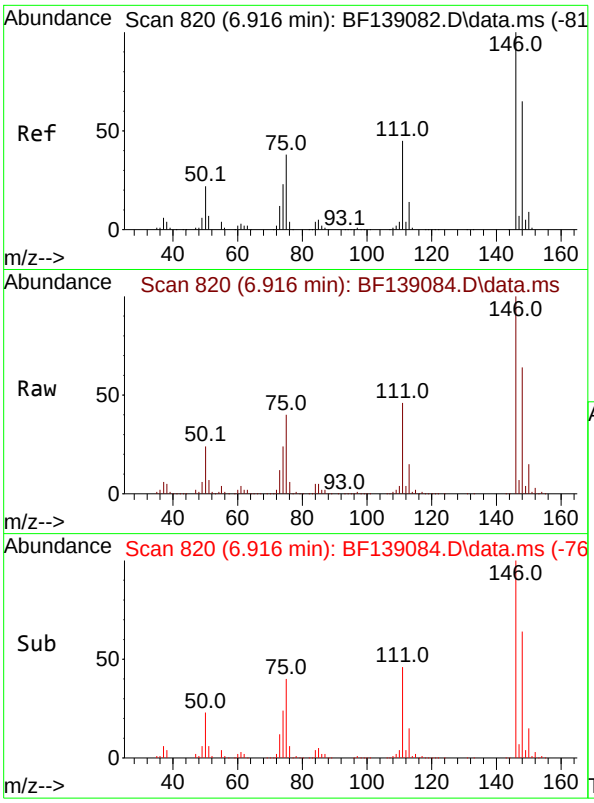


#12
1,3-Dichlorobenzene
Concen: 56.543 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:146 Resp: 496266

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	38.4	29.9	44.9

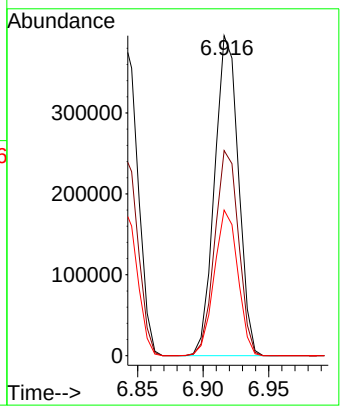




#13
1,4-Dichlorobenzene
Concen: 56.891 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:146 Resp: 49924

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	45.5	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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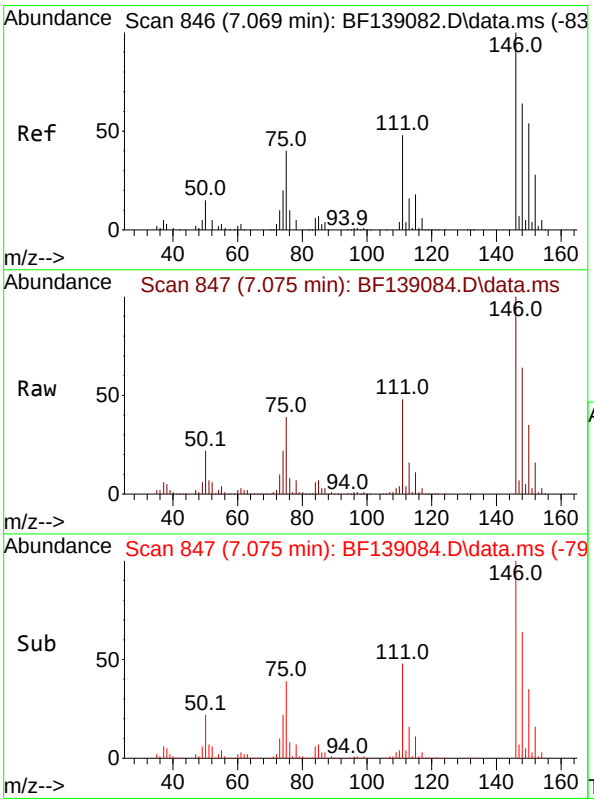
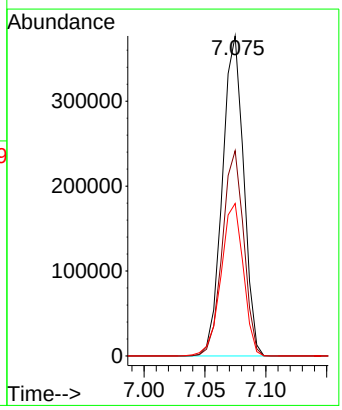
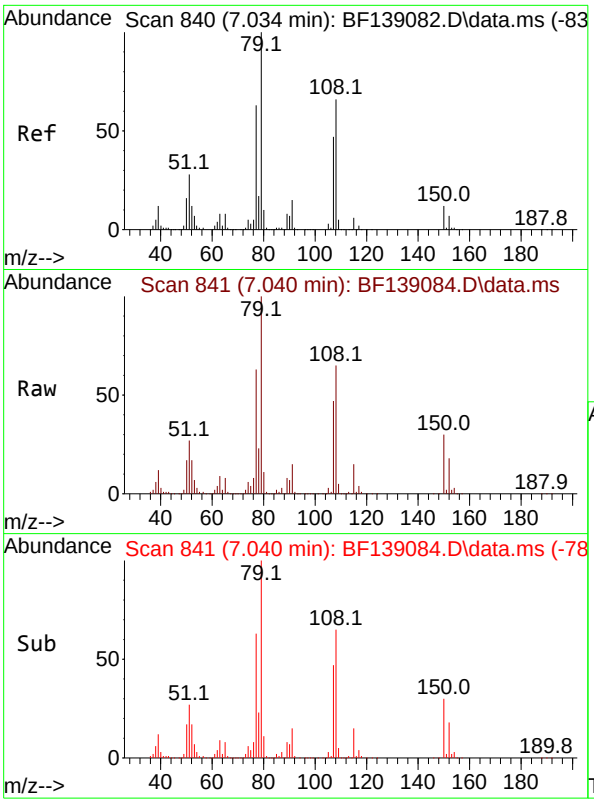


#14
1,2-Dichlorobenzene
Concen: 57.195 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:146 Resp: 458713

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	47.6	38.1	57.1





#15
Benzyl Alcohol
Concen: 57.809 ng
RT: 7.040 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 79 Resp: 44806

Ion	Ratio	Lower	Upper
79	100		
108	65.4	52.8	79.2
77	63.3	50.6	76.0

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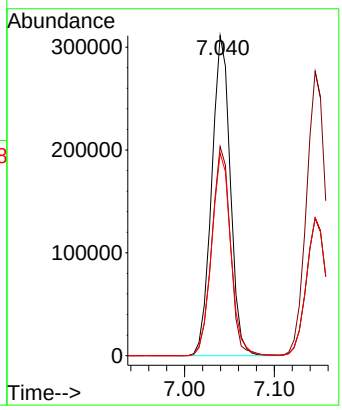
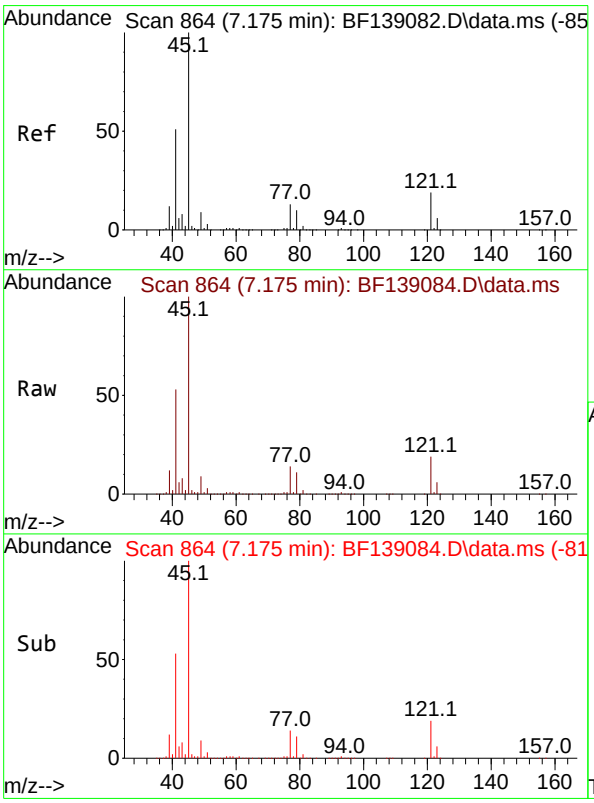
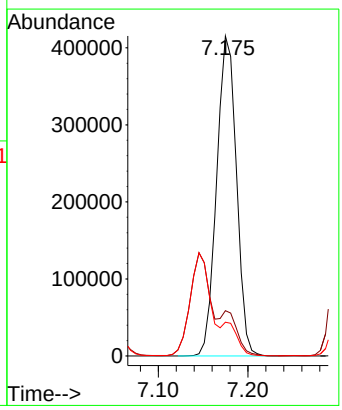


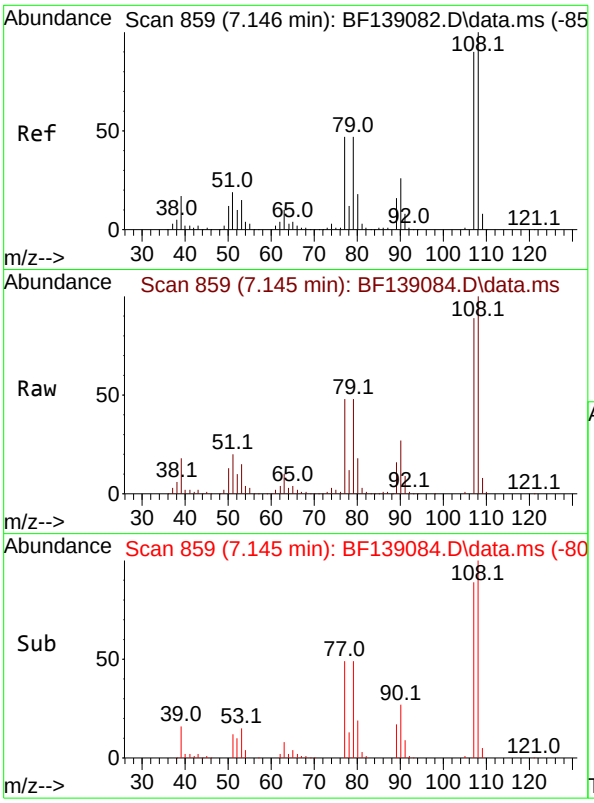


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.970 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 45 Resp: 635410

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.5	0.0	30.4

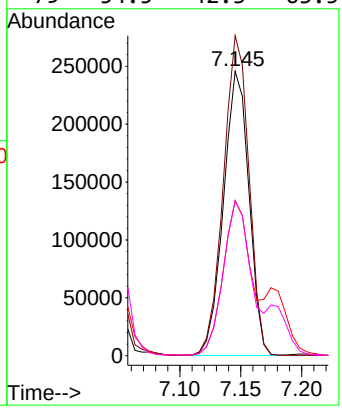




#17
2-Methylphenol
Concen: 57.249 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:107 Resp: 35752

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.1	133.7
77	54.5	42.1	63.1
79	54.5	42.3	63.5



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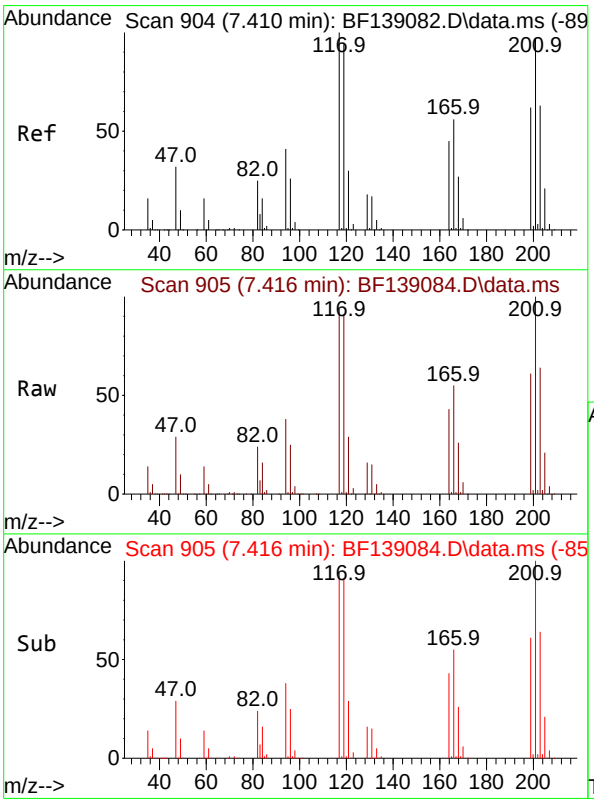
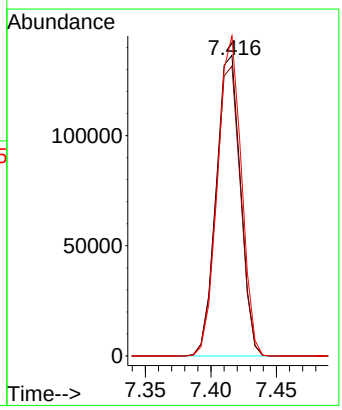
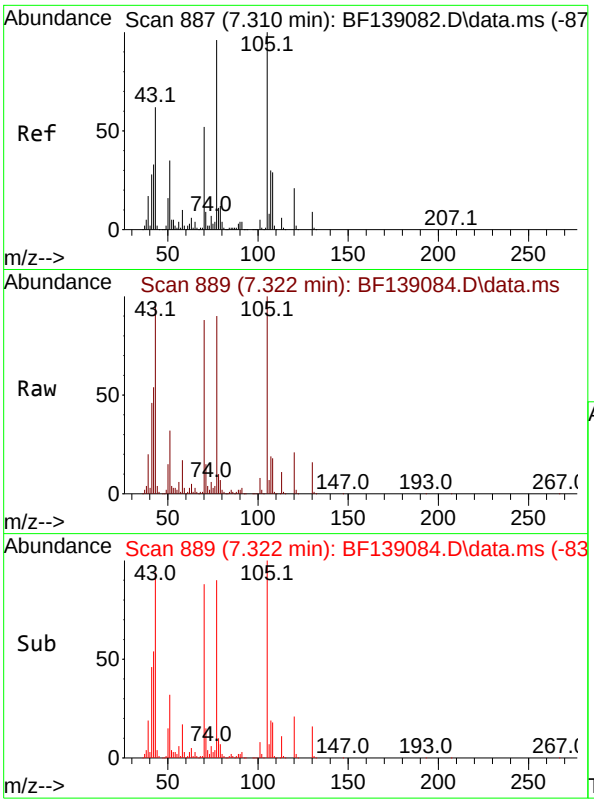


#18
Hexachloroethane
Concen: 57.284 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:117 Resp: 176274

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.5	113.3
201	106.4	77.8	116.8

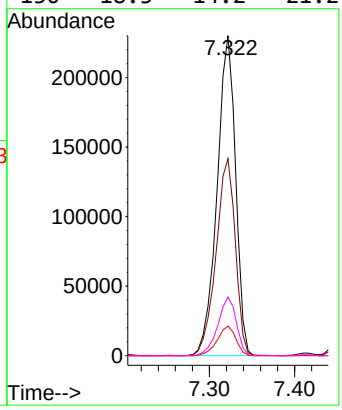




#19
n-Nitroso-di-n-propylamine
Concen: 54.086 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 70 Resp: 34831

Ion	Ratio	Lower	Upper
70	100		
42	61.5	50.5	75.7
101	9.2	7.2	10.8
130	18.3	14.2	21.2



Instrument :
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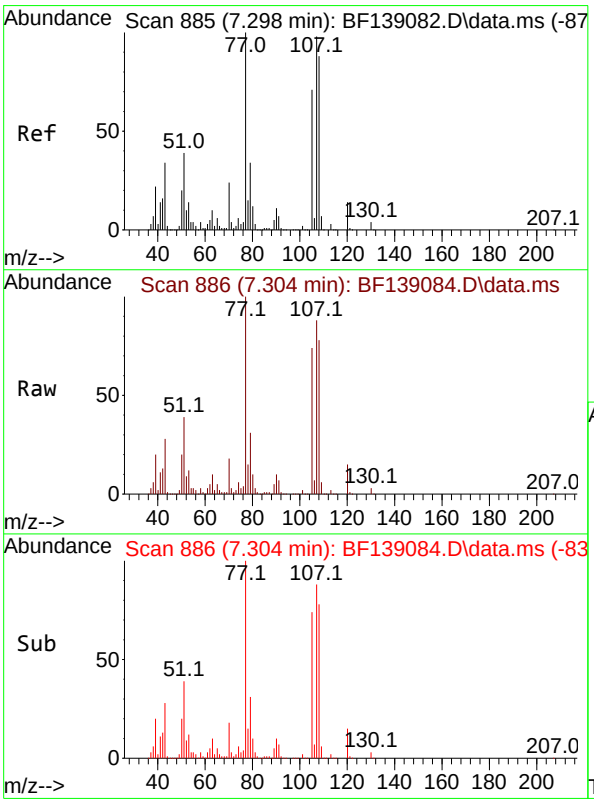
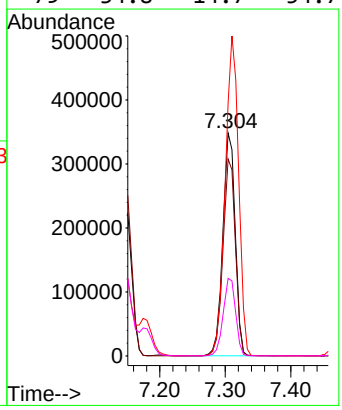
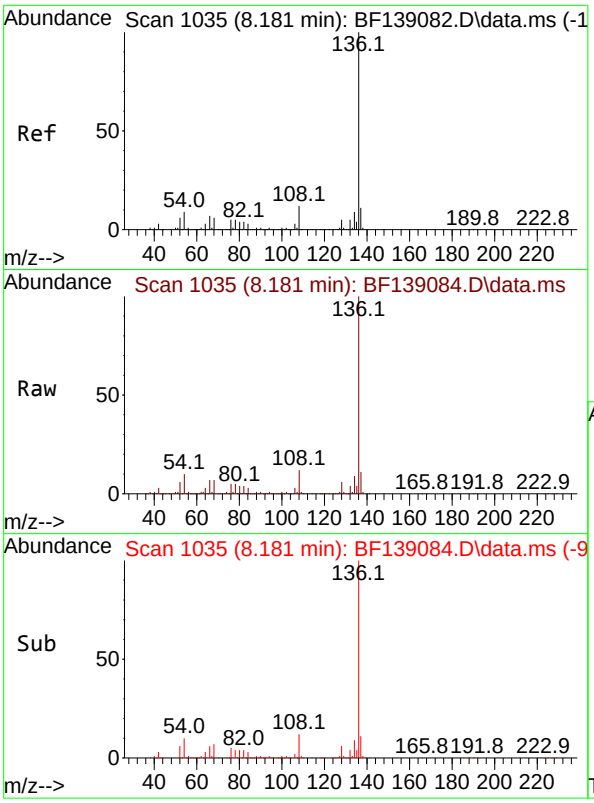


#20
3+4-Methylphenols
Concen: 56.170 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:107 Resp: 454495

Ion	Ratio	Lower	Upper
107	100		
108	88.3	70.2	110.2
77	113.6	82.7	122.7
79	34.8	14.7	54.7

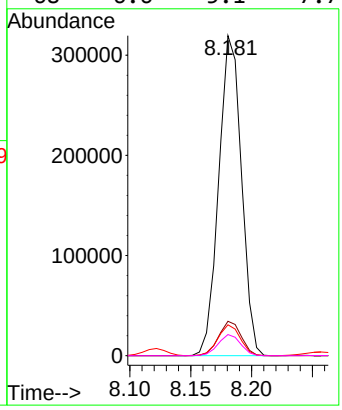




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:136 Resp: 41485

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.7	7.6	11.4
68	6.6	5.1	7.7



Instrument :
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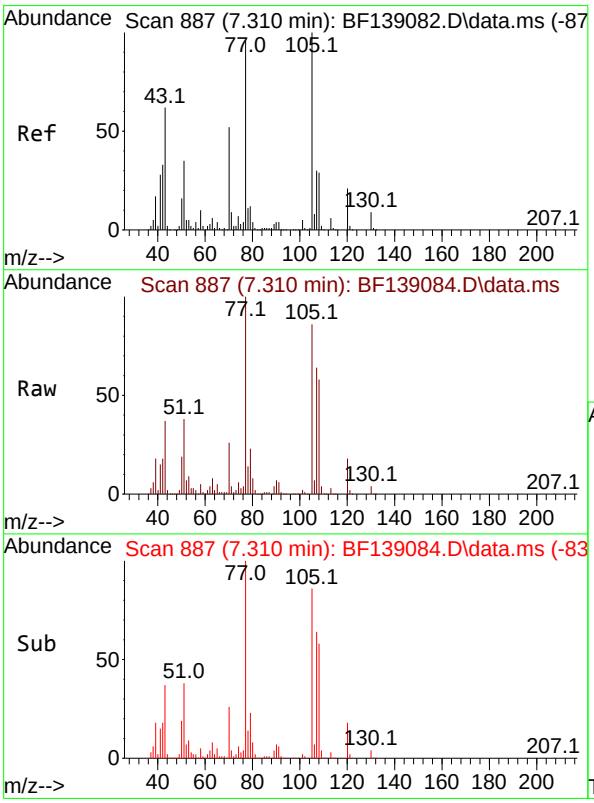
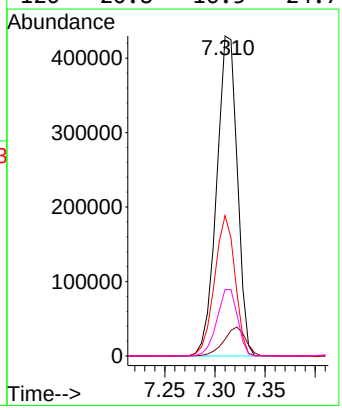
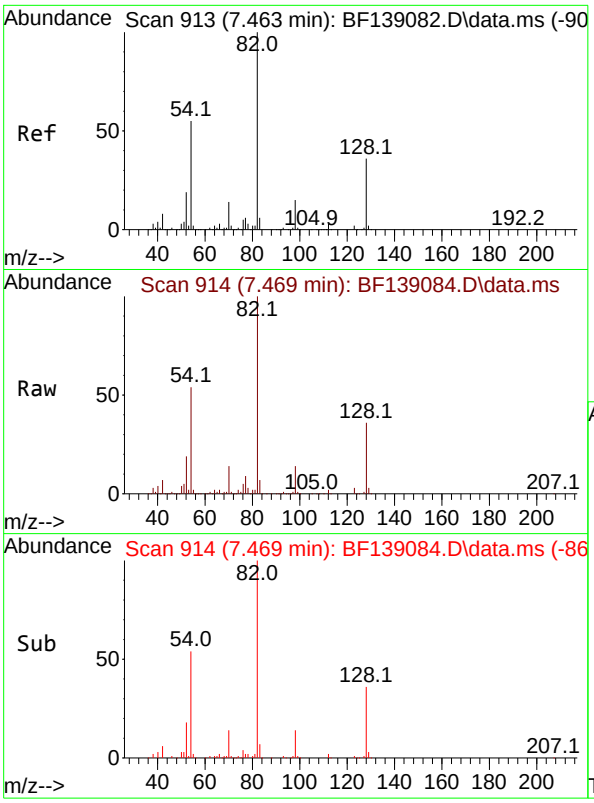


#22
Acetophenone
Concen: 58.044 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:105 Resp: 614826

Ion	Ratio	Lower	Upper
105	100		
71	5.2	7.0	10.6#
51	43.9	28.0	42.0#
120	20.8	16.5	24.7

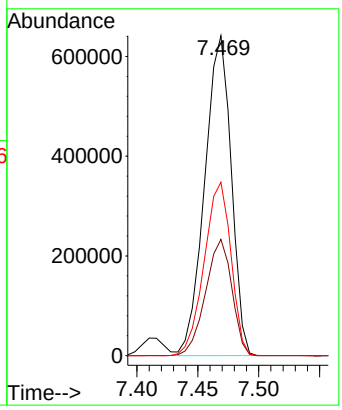




#23
Nitrobenzene-d5
Concen: 136.720 ng
RT: 7.469 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 82 Resp: 97337

Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.0	43.4
54	54.2	43.4	65.2



Instrument :
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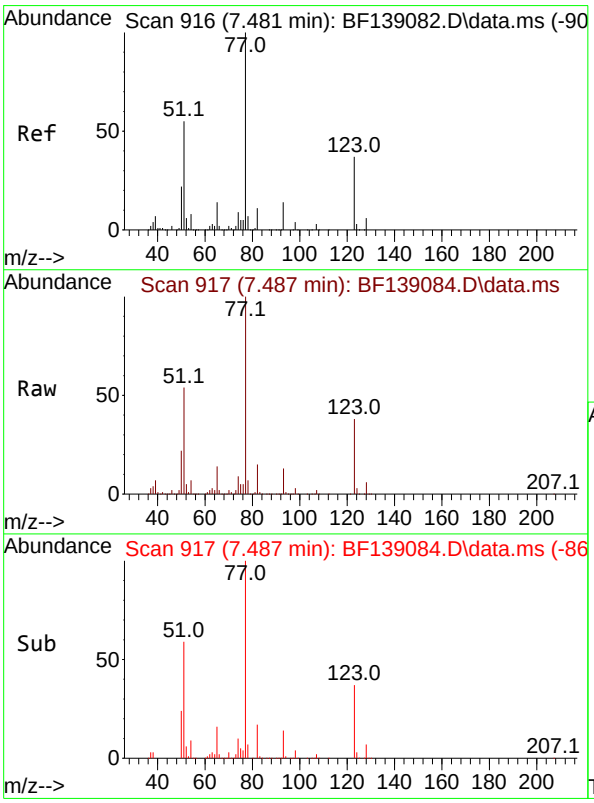
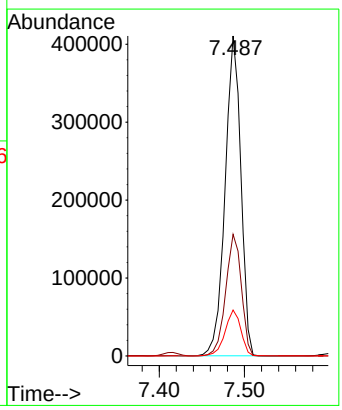
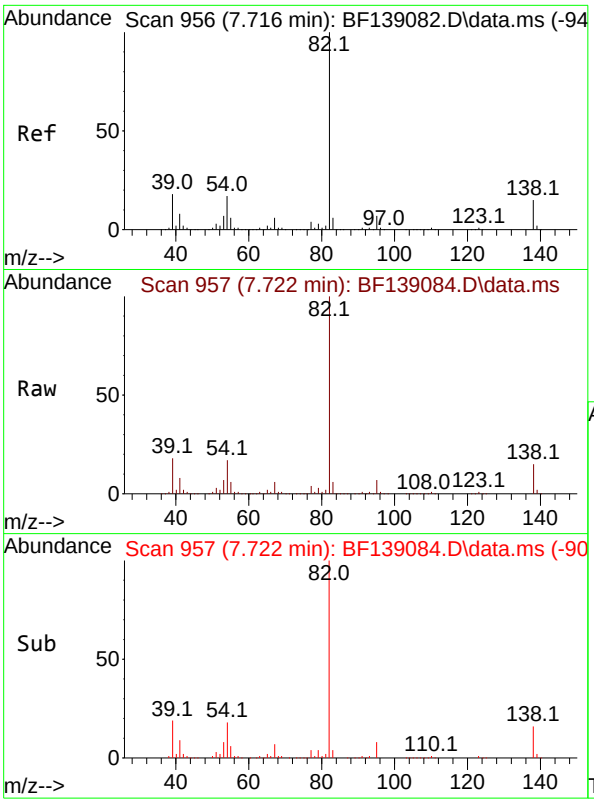


#24
Nitrobenzene
Concen: 66.501 ng
RT: 7.487 min Scan# 917
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 77 Resp: 526257

Ion	Ratio	Lower	Upper
77	100		
123	38.0	30.3	45.5
65	14.4	11.3	16.9

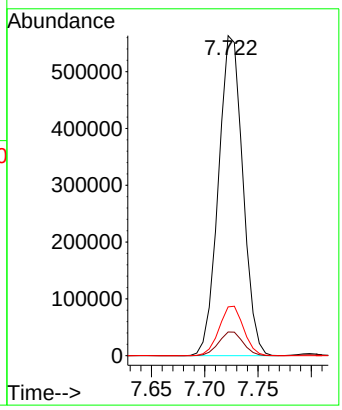




#25
Isophorone
Concen: 59.325 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 82 Resp: 89772

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	15.3	11.8	17.8



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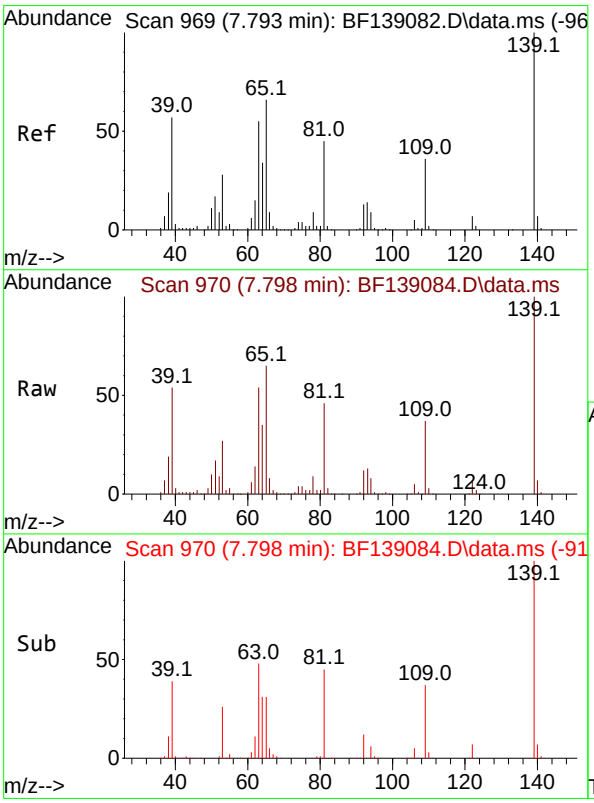
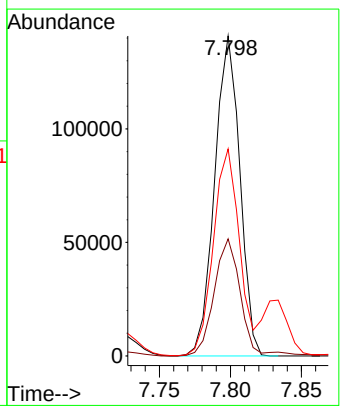
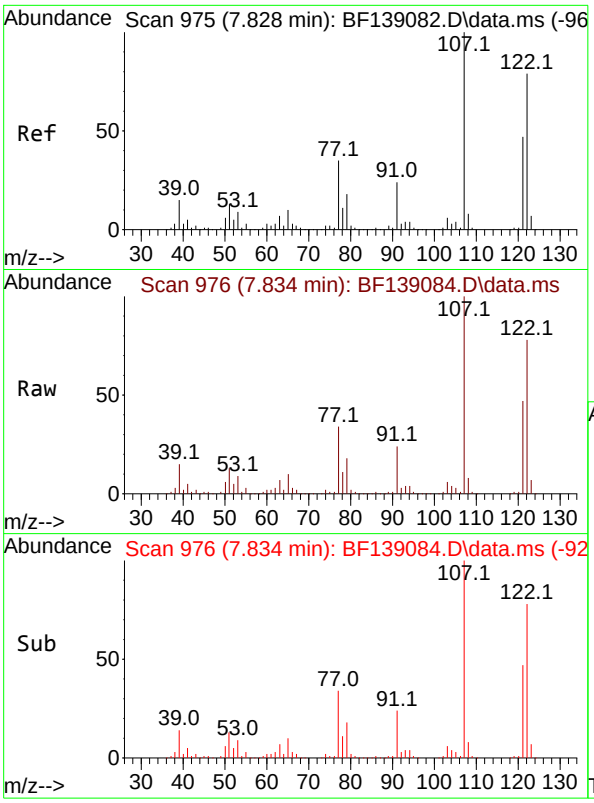


#26
2-Nitrophenol
Concen: 61.265 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:139 Resp: 173893

Ion	Ratio	Lower	Upper
139	100		
109	36.6	29.2	43.8
65	64.7	52.7	79.1

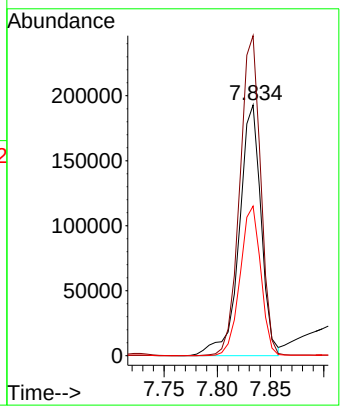




#27
2,4-Dimethylphenol
Concen: 57.495 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:122 Resp: 27588

Ion	Ratio	Lower	Upper
122	100		
107	127.6	101.1	151.7
121	59.7	47.5	71.3



Instrument :
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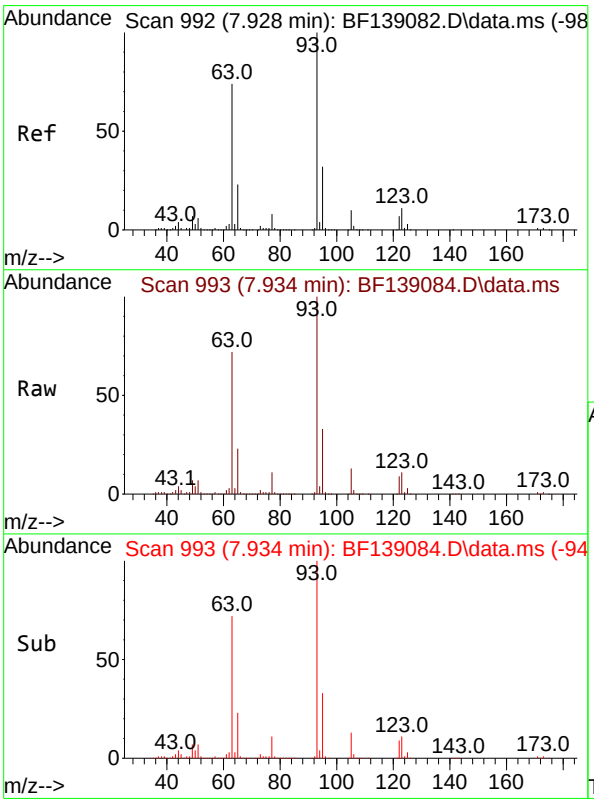
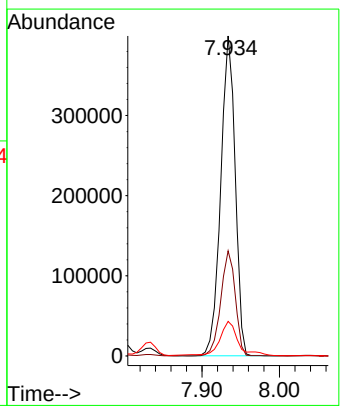
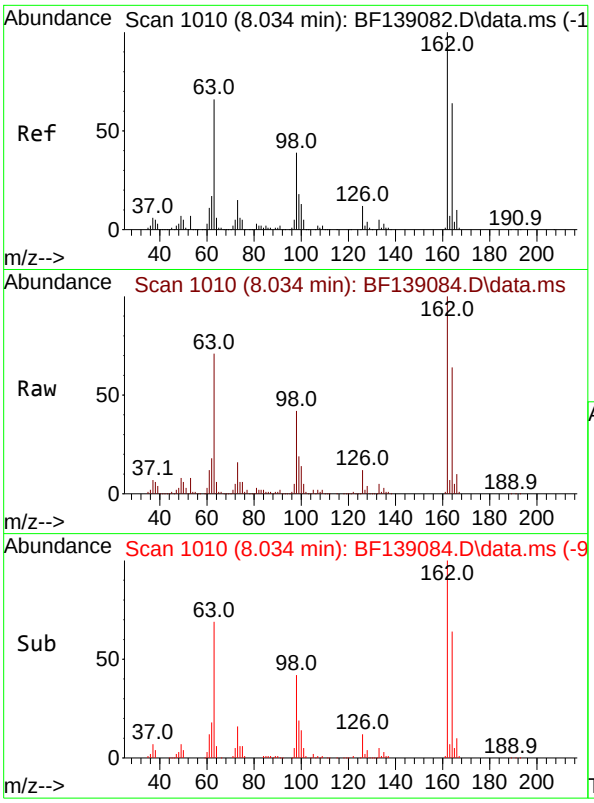


#28
bis(2-Chloroethoxy)methane
Concen: 58.571 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 93 Resp: 517880

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	10.8	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 60.407 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:162 Resp: 36111

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.9	83.9
98	42.0	19.7	59.7

Instrument :
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ClientSampleId :
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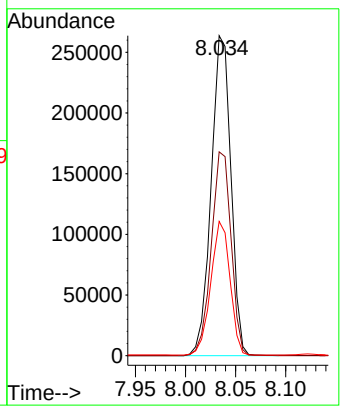
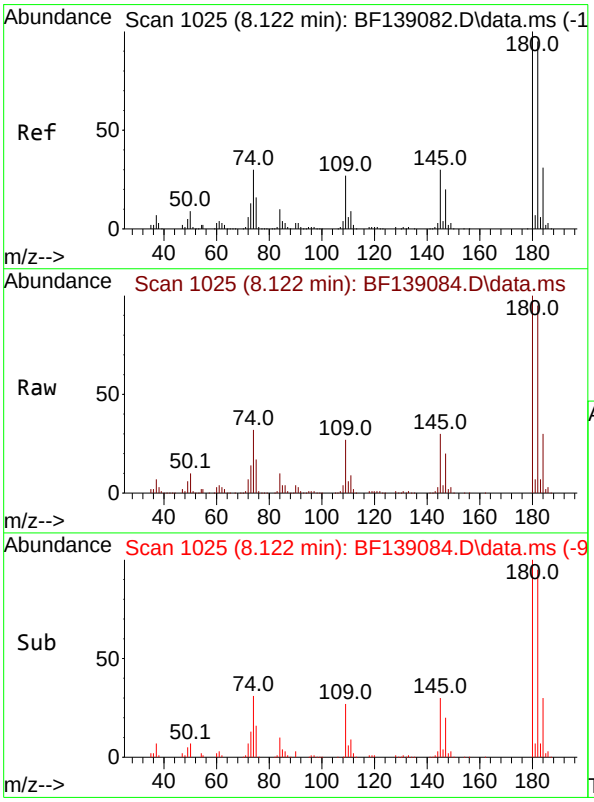
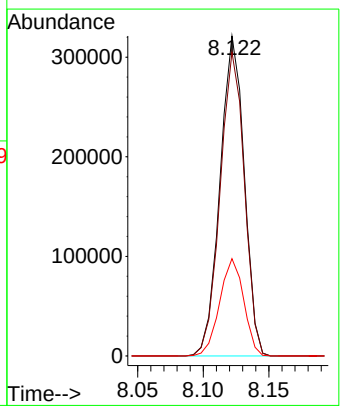


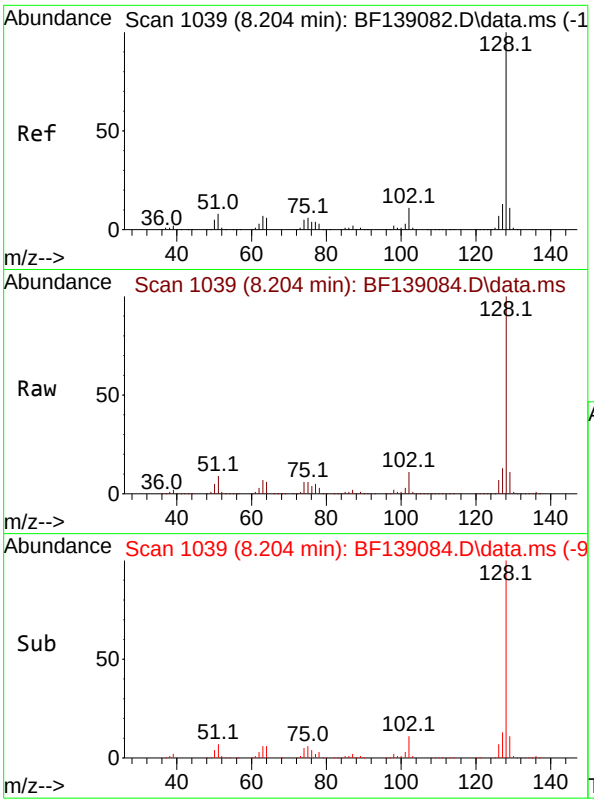


#30
1,2,4-Trichlorobenzene
Concen: 58.827 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:180 Resp: 411787

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	30.4	23.9	35.9

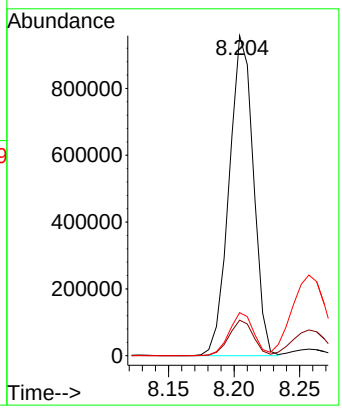




#31
Naphthalene
Concen: 58.721 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:128 Resp: 123448

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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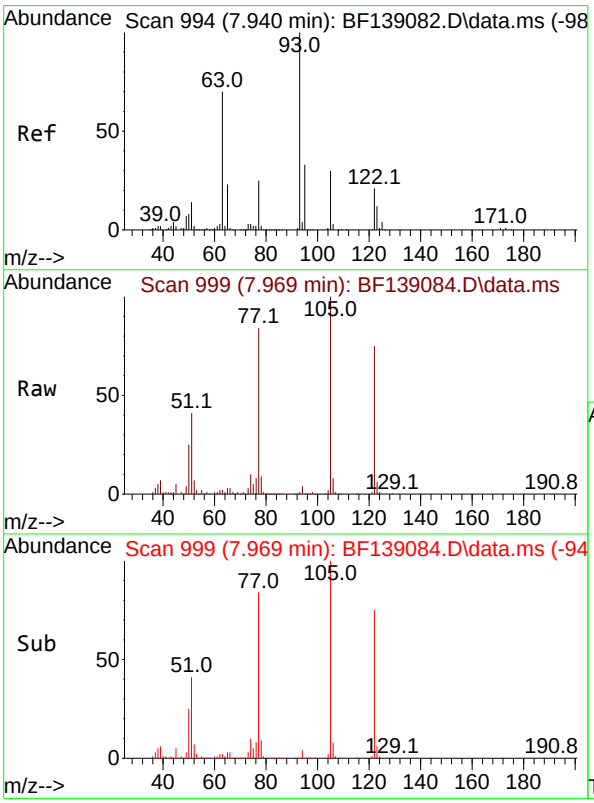
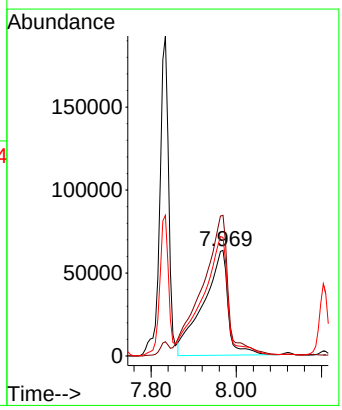
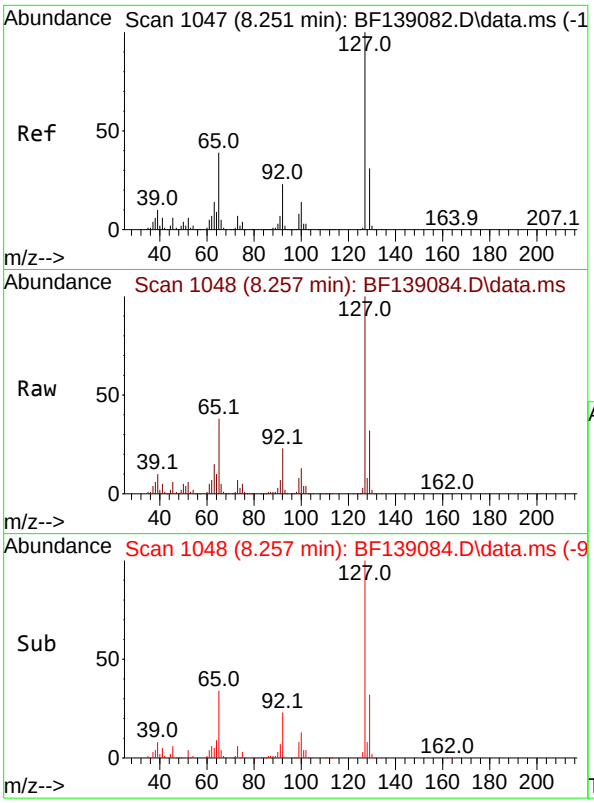


#32
Benzoic acid
Concen: 60.659 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.029 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:122 Resp: 256052

Ion	Ratio	Lower	Upper
122	100		
105	133.2	119.6	159.6
77	112.3	97.6	137.6

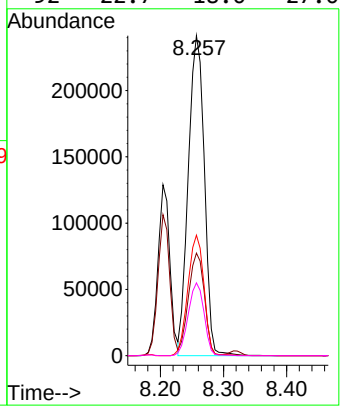




#33
4-Chloroaniline
Concen: 59.308 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:127 Resp: 42700

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	37.7	30.3	45.5
92	22.7	18.0	27.0



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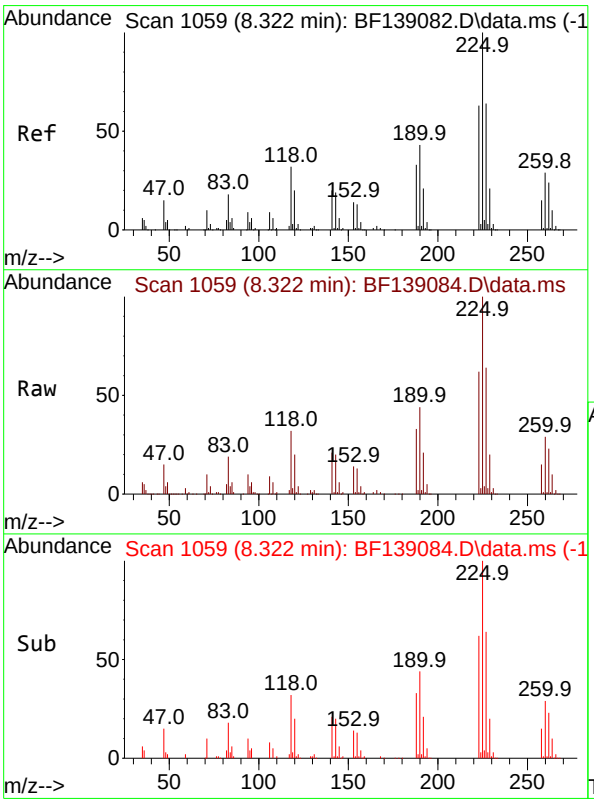
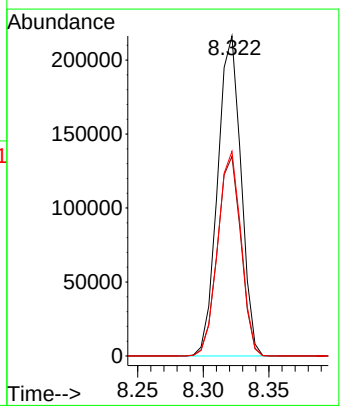
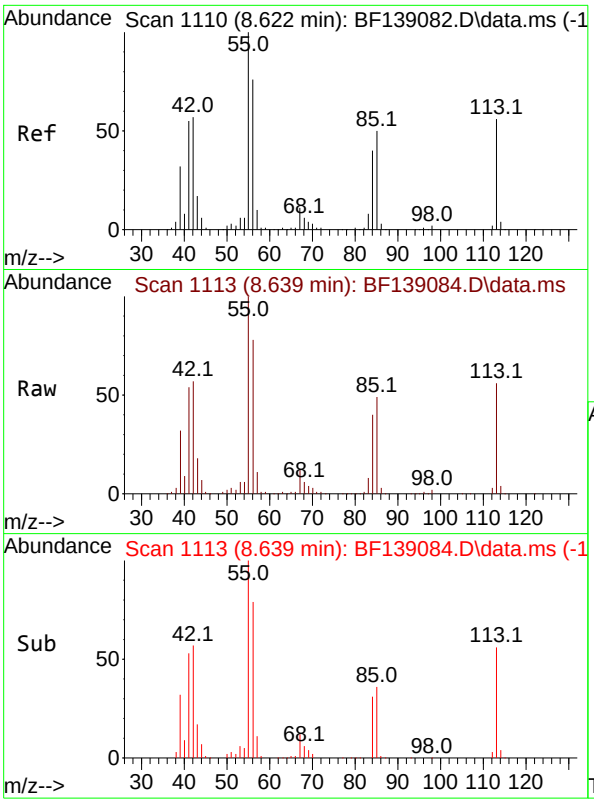


#34
Hexachlorobutadiene
Concen: 58.528 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:225 Resp: 267627

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.0	75.0
227	63.9	51.4	77.2

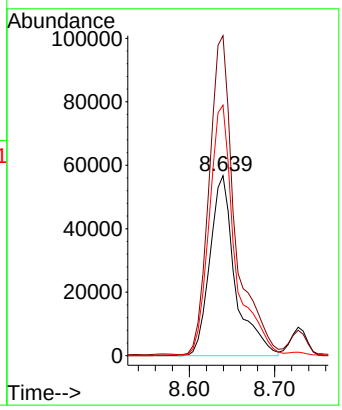




#35
Caprolactam
Concen: 61.896 ng
RT: 8.639 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:113 Resp: 11729

Ion	Ratio	Lower	Upper
113	100		
55	177.8	158.6	198.6
56	139.2	115.9	155.9



Instrument :
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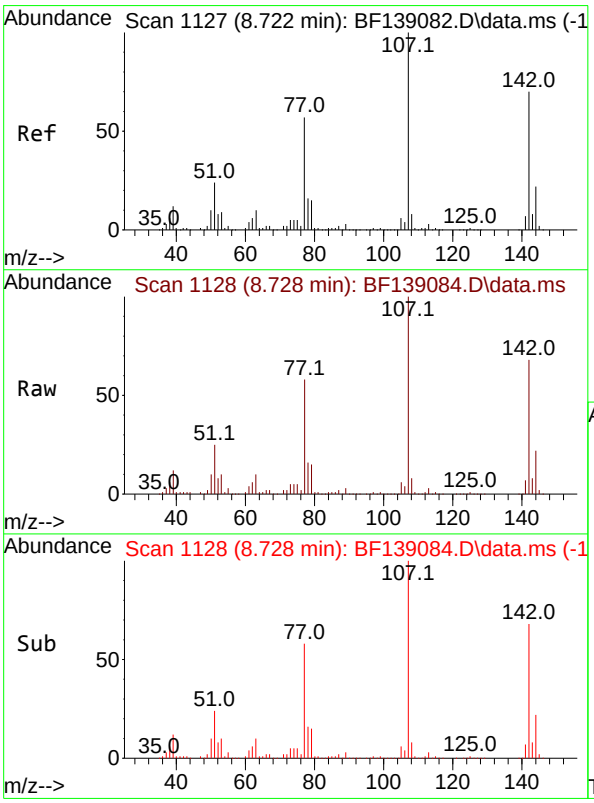
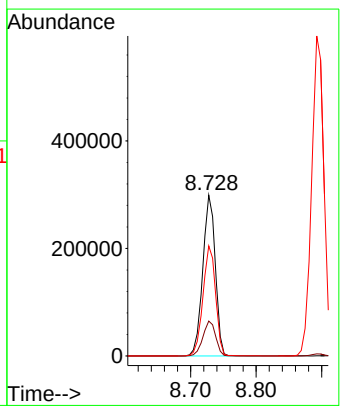
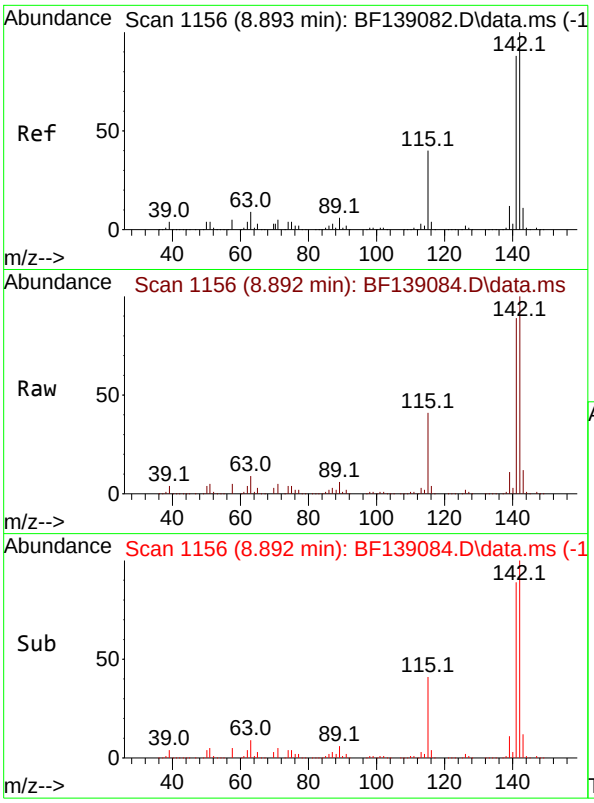


#36
4-Chloro-3-methylphenol
Concen: 60.448 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:107 Resp: 400116

Ion	Ratio	Lower	Upper
107	100		
144	21.7	17.7	26.5
142	68.4	55.6	83.4

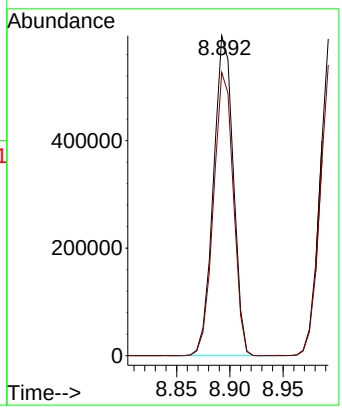




#37
2-Methylnaphthalene
Concen: 57.159 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:142 Resp: 770749

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	105.8



Instrument :
BNA_F
ClientSampleId :
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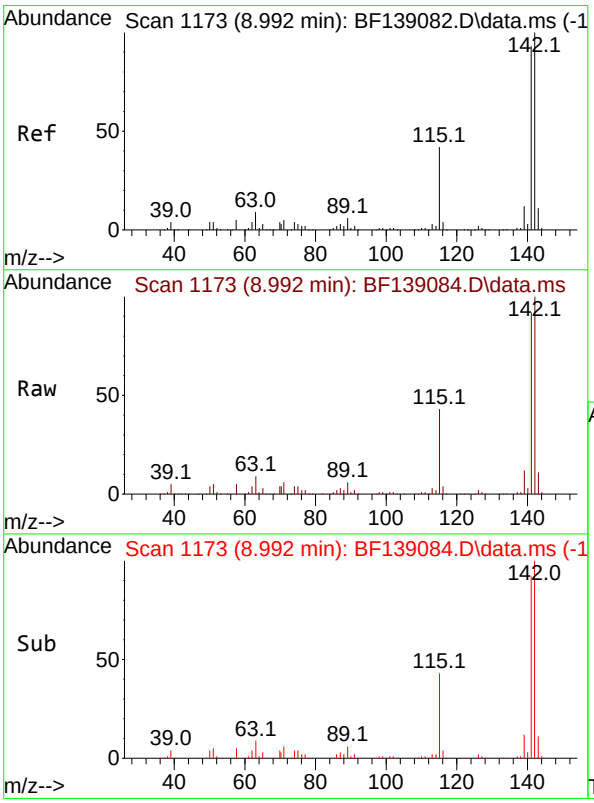
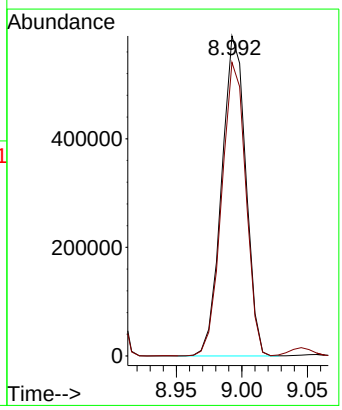
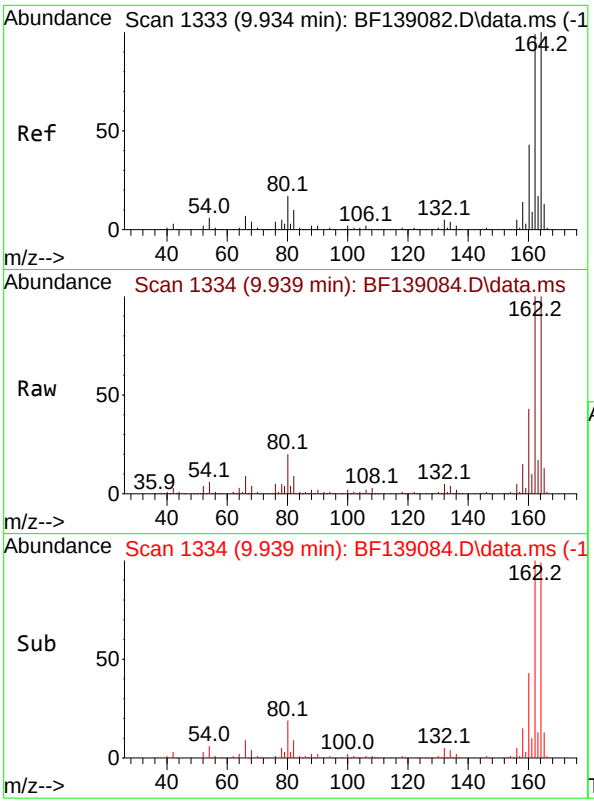


#38
1-Methylnaphthalene
Concen: 57.945 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:142 Resp: 754101

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.1	111.1

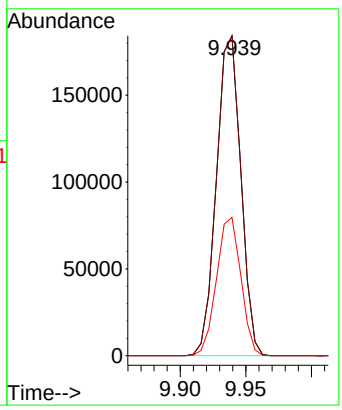




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:164 Resp: 23808

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.5	119.3
160	43.3	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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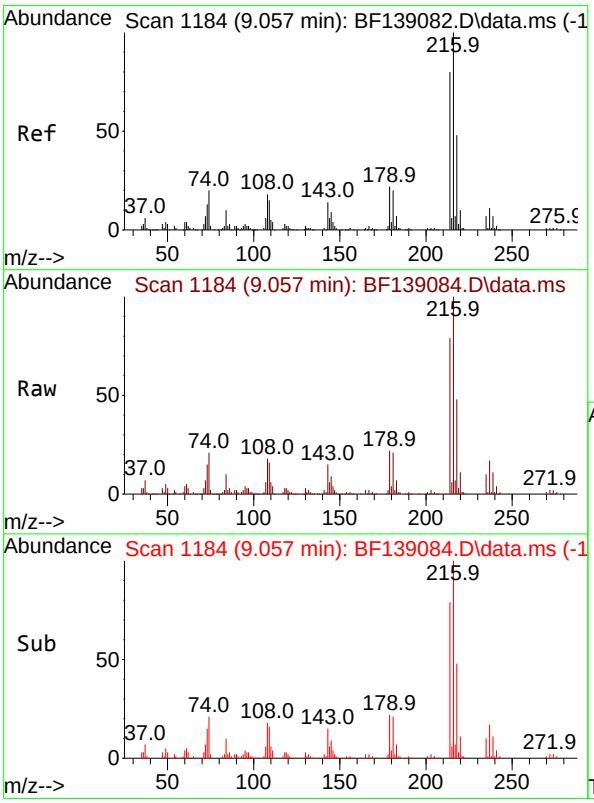
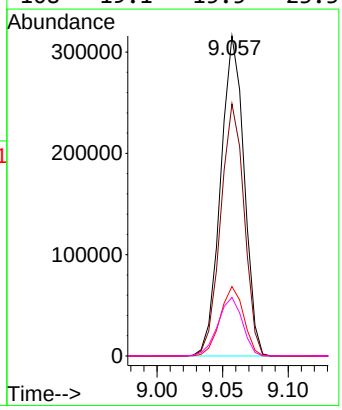
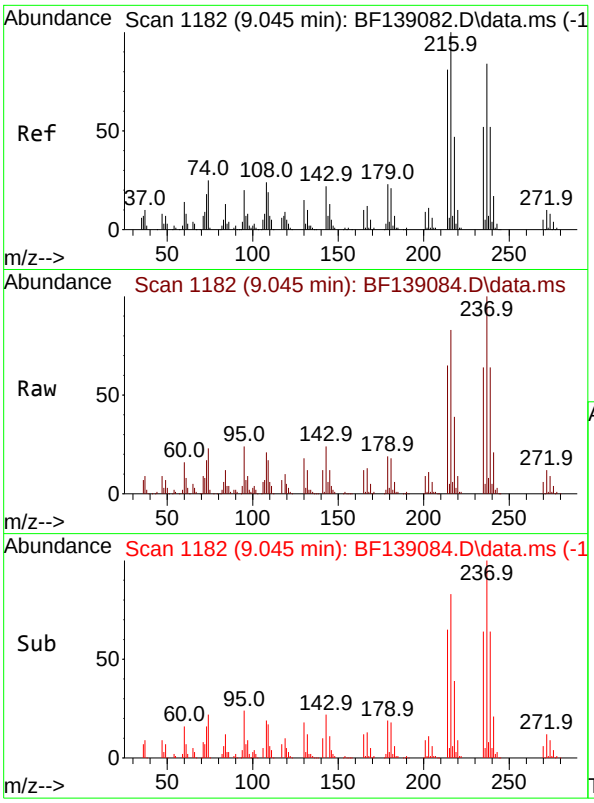


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.546 ng
RT: 9.057 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:216 Resp: 393492

Ion	Ratio	Lower	Upper
216	100		
214	78.7	64.2	96.2
179	21.7	17.4	26.2
108	19.1	15.5	23.3





#41
Hexachlorocyclopentadiene
Concen: 63.503 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:237 Resp: 15908

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.5	82.5
272	11.8	0.0	32.0

Instrument :
BNA_F
ClientSampleId :
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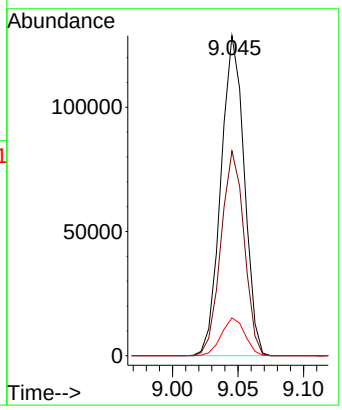
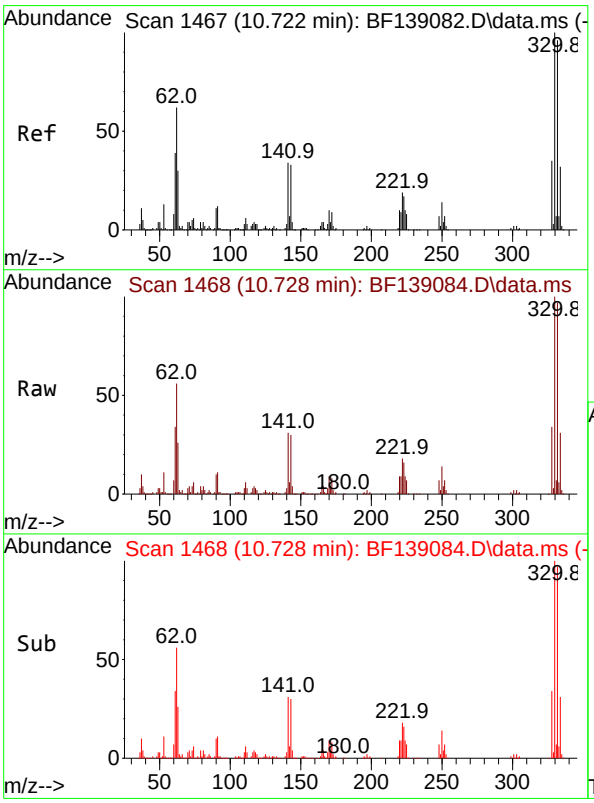
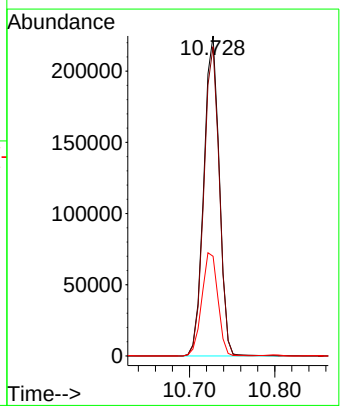


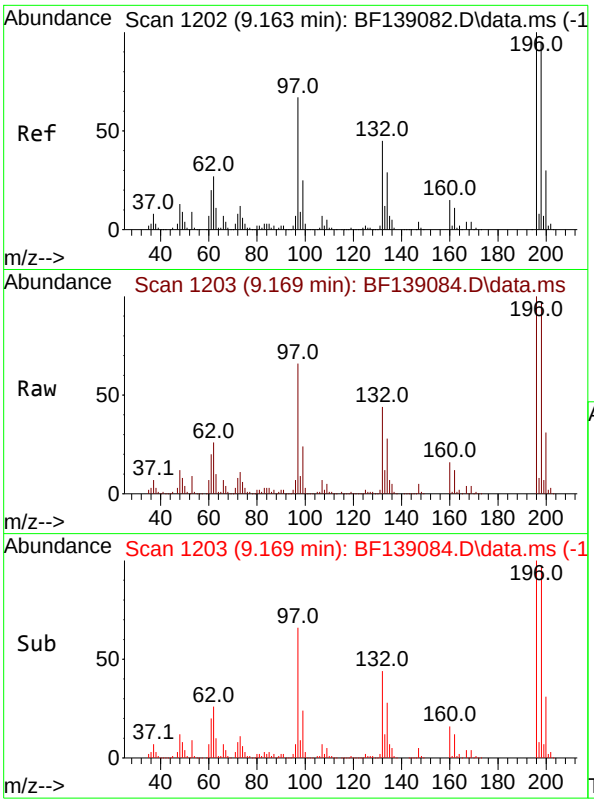


#42
2,4,6-Tribromophenol
Concen: 131.627 ng
RT: 10.728 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:330 Resp: 283705

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	33.4	27.5	41.3

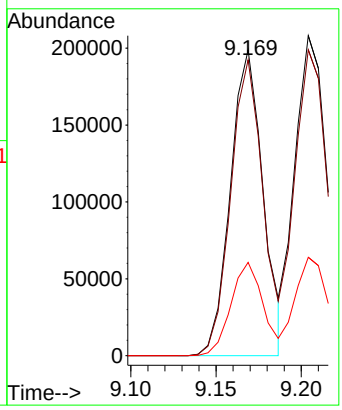




#43
2,4,6-Trichlorophenol
Concen: 60.084 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:196 Resp: 26429

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.4	114.6
200	30.5	23.8	35.8



Instrument :
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ClientSampleId :
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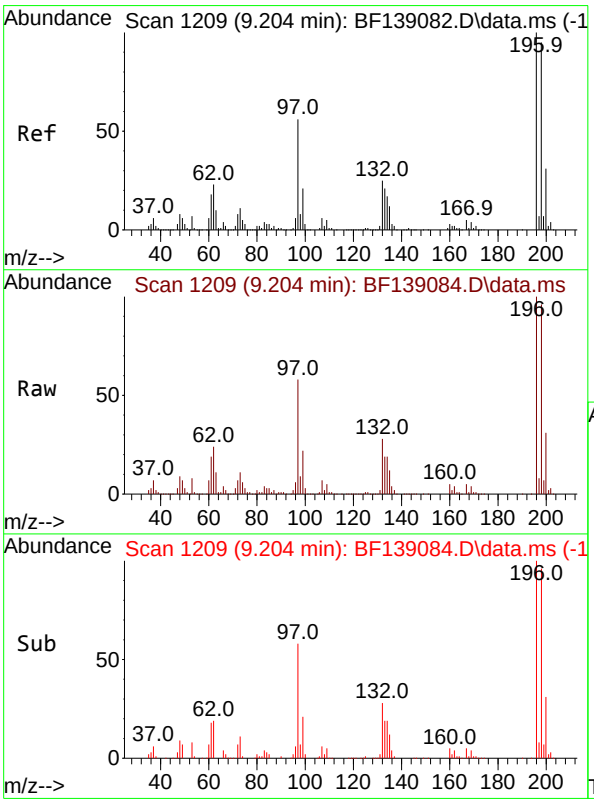
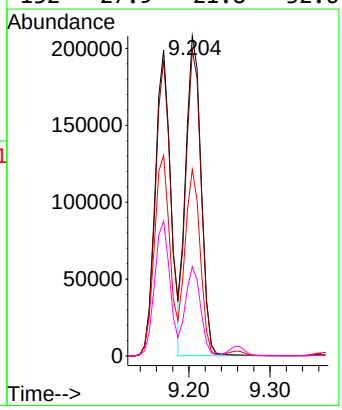
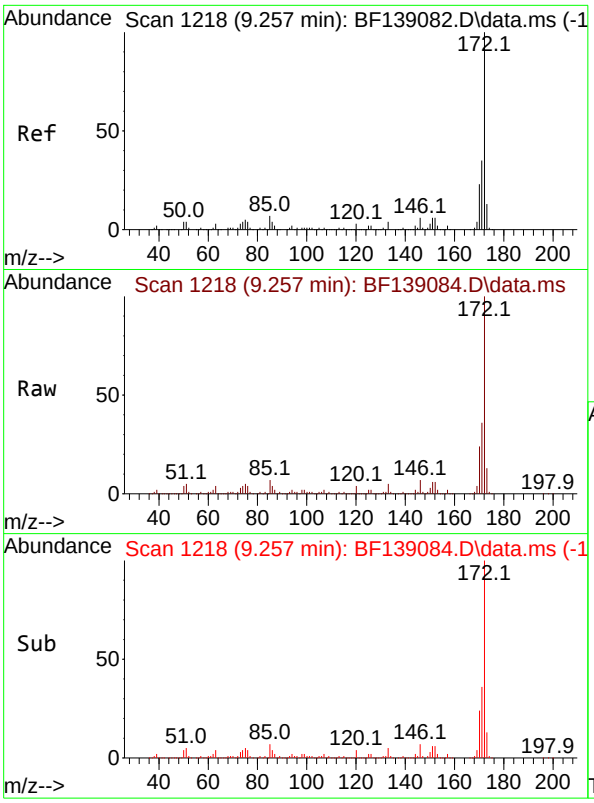


#44
2,4,5-Trichlorophenol
Concen: 60.514 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:196 Resp: 273227

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	114.8
97	58.2	44.6	67.0
132	27.9	21.8	32.6

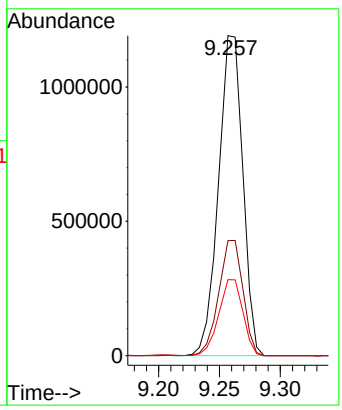




#45
2-Fluorobiphenyl
Concen: 110.315 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:172 Resp: 165538

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.4	42.6
170	23.7	18.8	28.2



Instrument :
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ClientSampleId :
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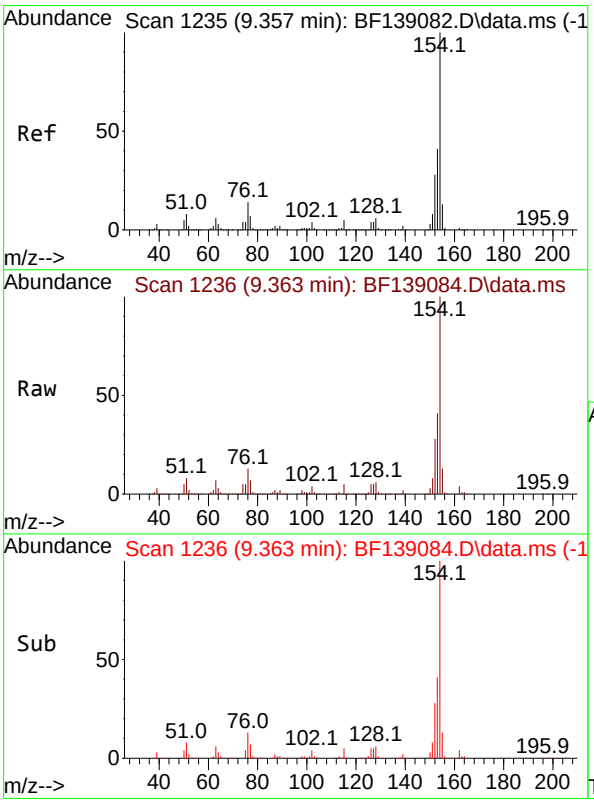
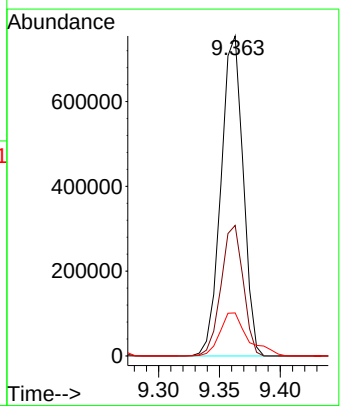
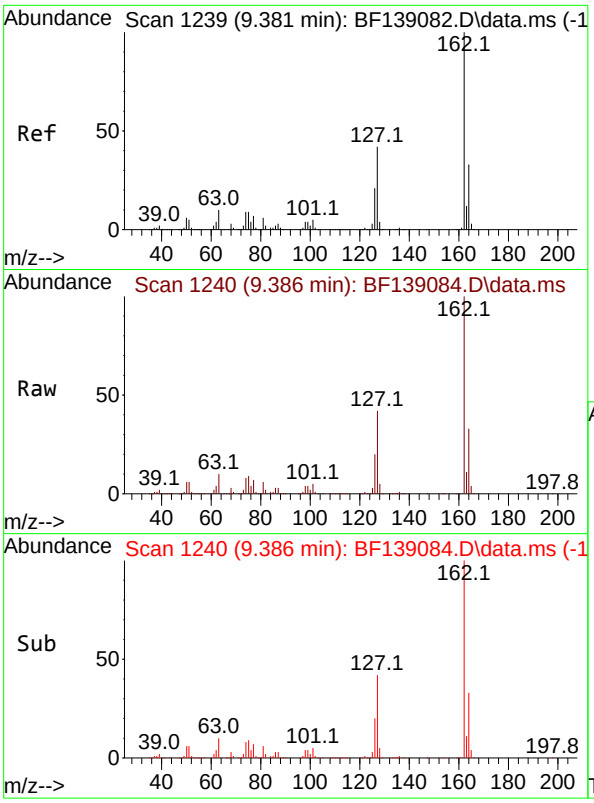


#46
1,1'-Biphenyl
Concen: 58.612 ng
RT: 9.363 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:154 Resp: 955936

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.6	60.6
76	13.5	0.0	33.6

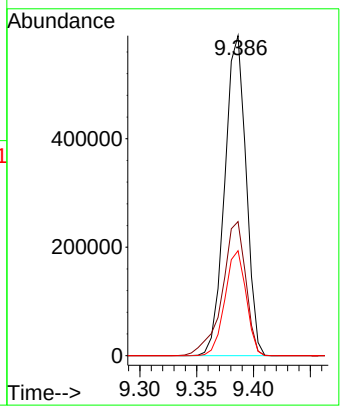




#47
2-Chloronaphthalene
Concen: 58.036 ng
RT: 9.386 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:162 Resp: 76909

Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.8	50.6
164	32.8	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
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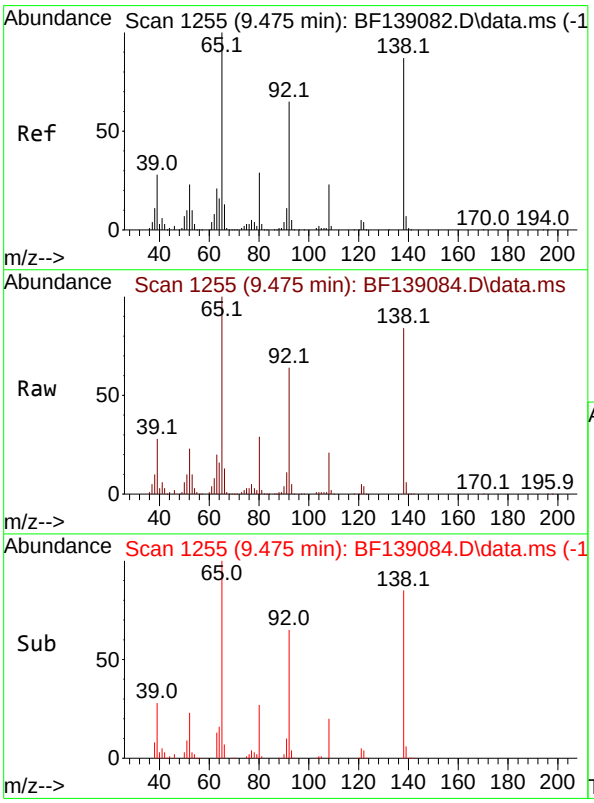
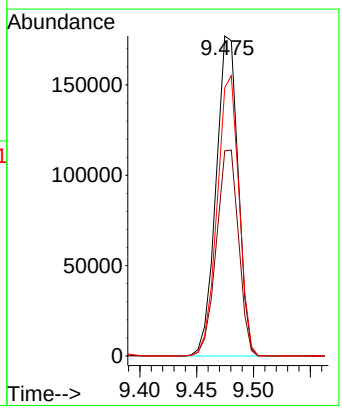
Supervised By :mohammad ahmed 08/22/2024

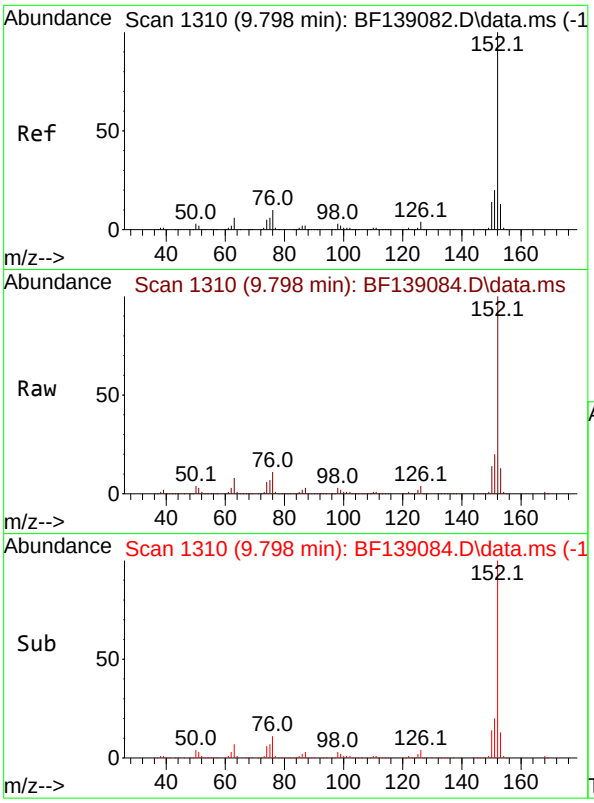


#48
2-Nitroaniline
Concen: 61.293 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 65 Resp: 239544

Ion	Ratio	Lower	Upper
65	100		
92	64.1	52.4	78.6
138	83.8	69.4	104.0

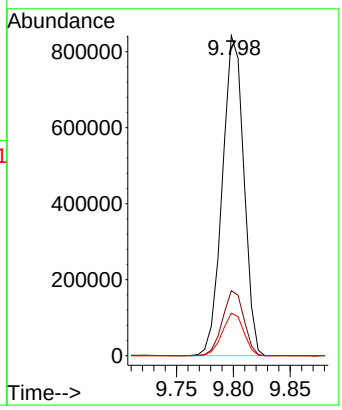




#49
Acenaphthylene
Concen: 58.342 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:152 Resp: 110754

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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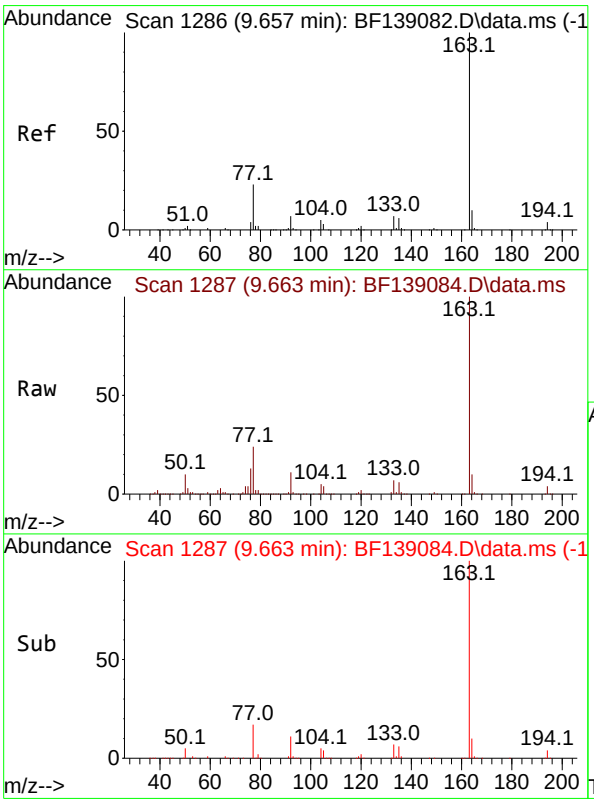
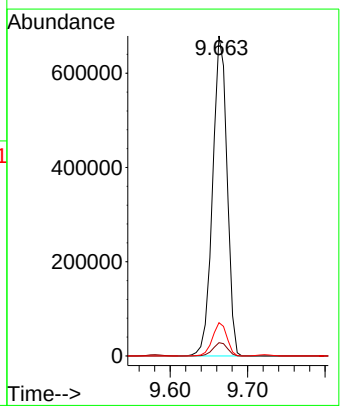
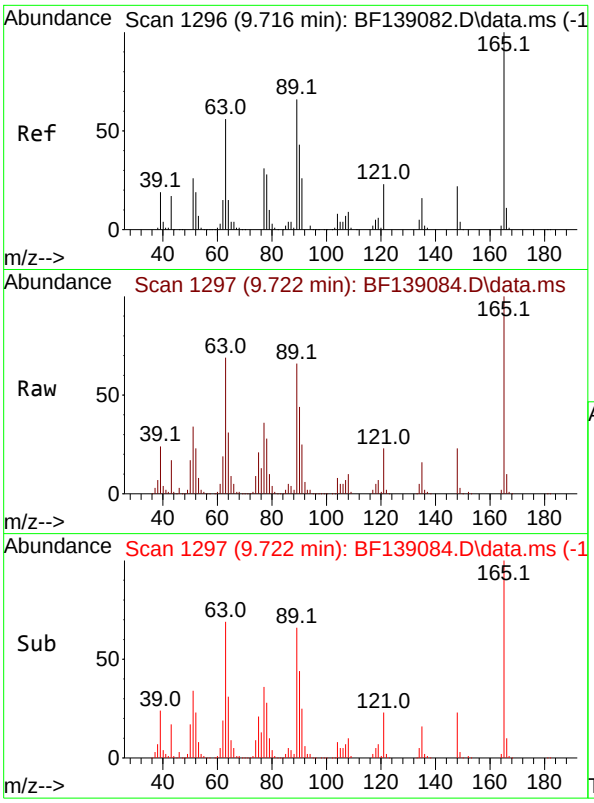


#50
Dimethylphthalate
Concen: 59.661 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:163 Resp: 876931

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 61.494 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:165 Resp: 18543

Ion	Ratio	Lower	Upper
165	100		
63	69.3	58.0	87.0
89	66.4	53.3	79.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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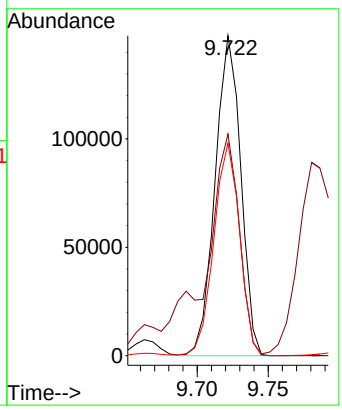
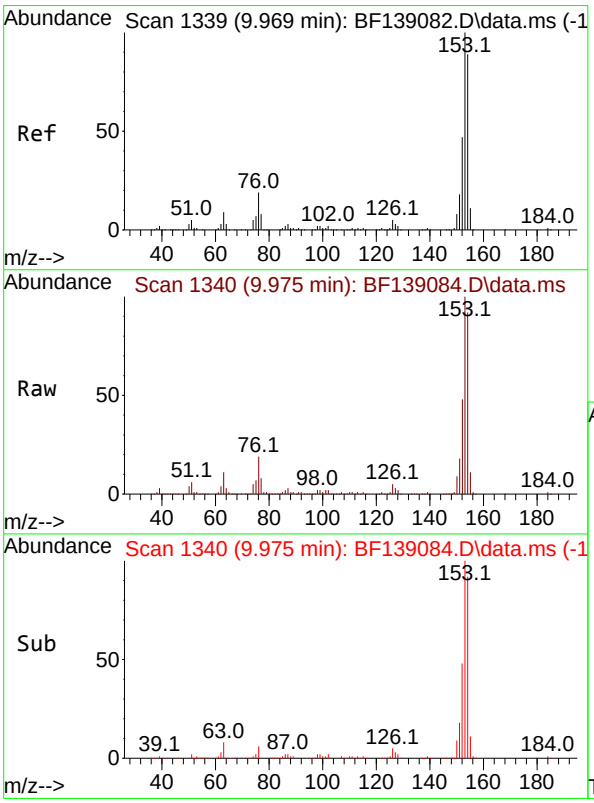
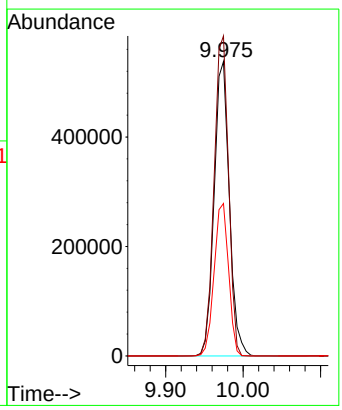


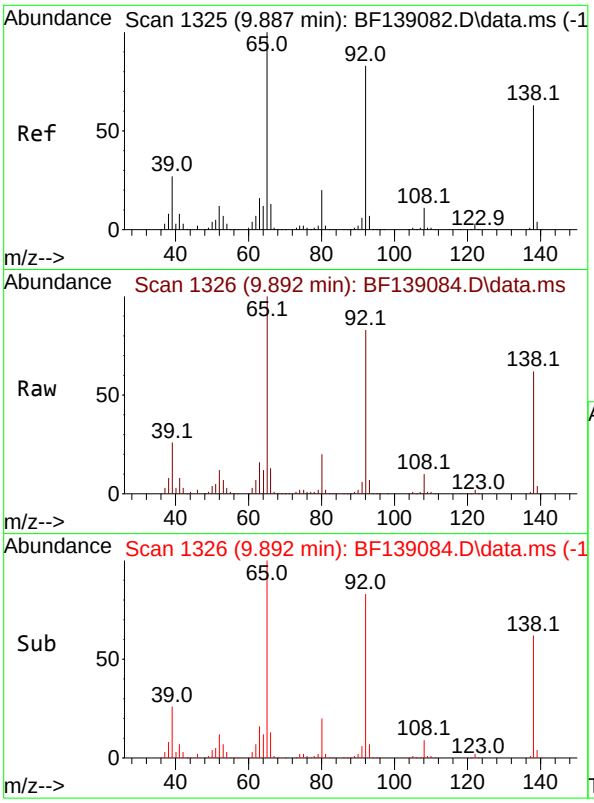


#52
Acenaphthene
Concen: 58.779 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:154 Resp: 737080

Ion	Ratio	Lower	Upper
154	100		
153	108.7	89.7	134.5
152	51.8	42.3	63.5





#53
3-Nitroaniline
Concen: 60.833 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:138 Resp: 18512

Ion	Ratio	Lower	Upper
138	100		
108	15.5	14.6	21.8
92	134.1	105.9	158.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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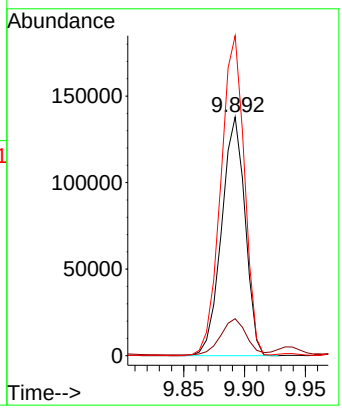
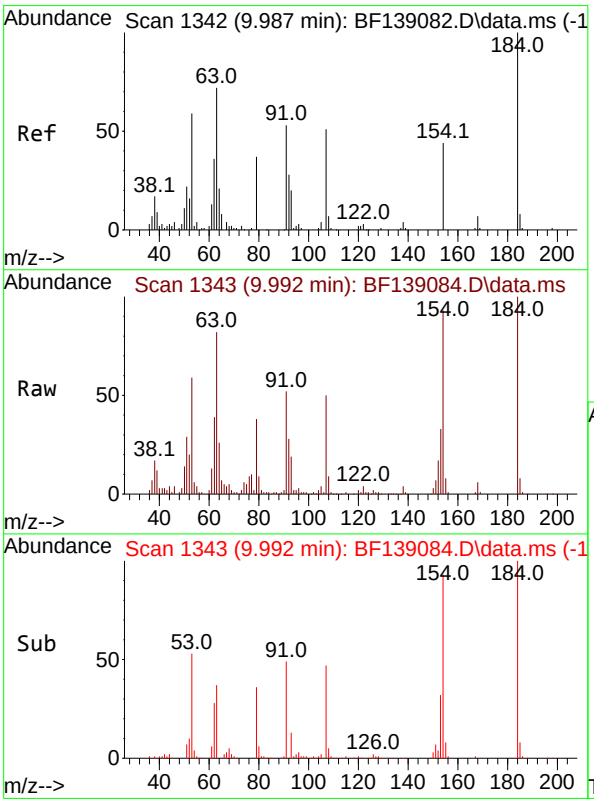
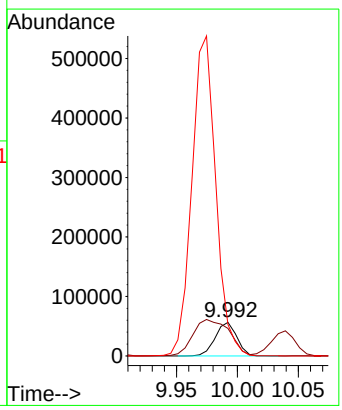


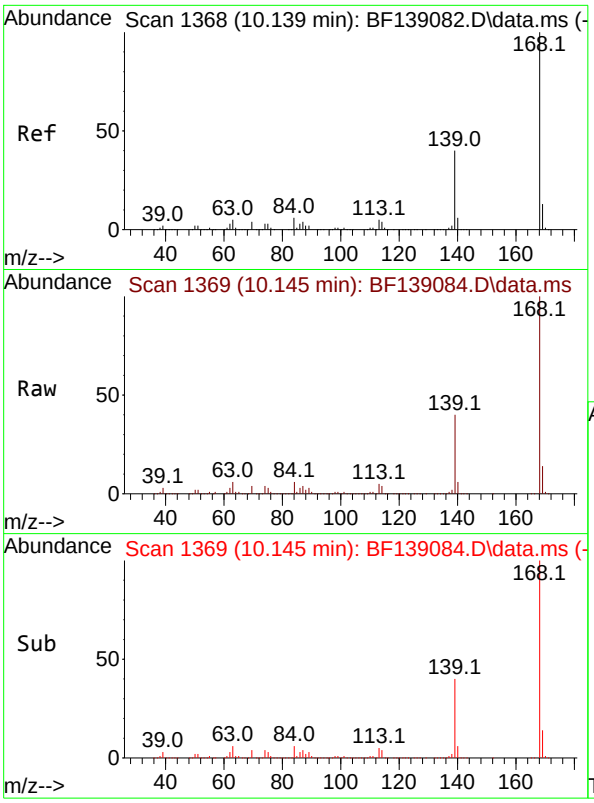


#54
2,4-Dinitrophenol
Concen: 62.322 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:184 Resp: 69592

Ion	Ratio	Lower	Upper
184	100		
63	81.5	70.5	105.7
154	93.3	135.0	202.6#

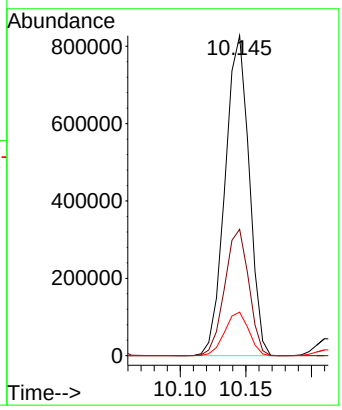




#55
Dibenzofuran
Concen: 57.960 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:168 Resp: 105567

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.6	10.7	16.1



Instrument :
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ClientSampleId :
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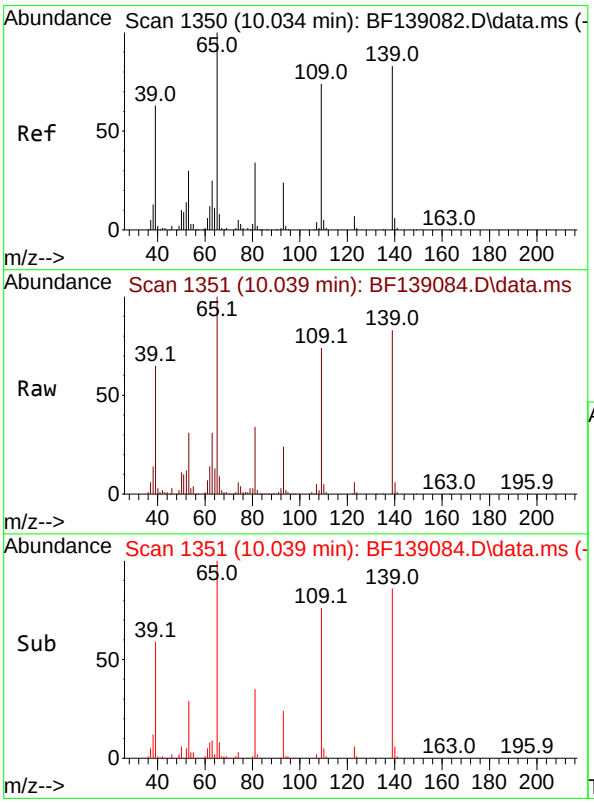
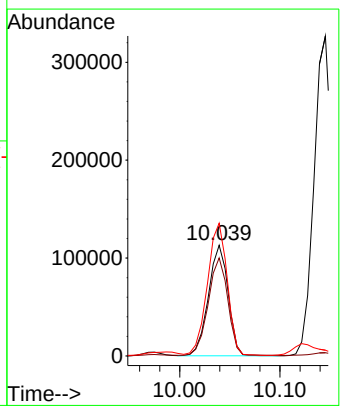
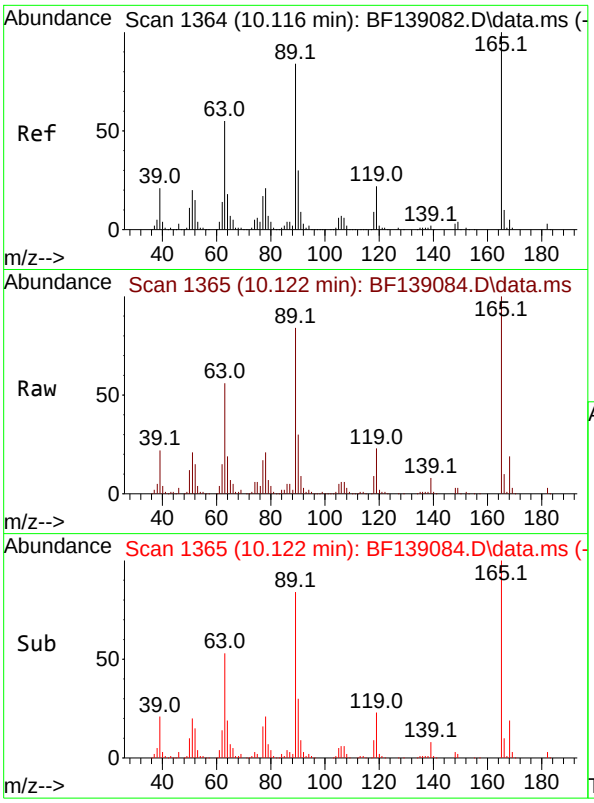


#56
4-Nitrophenol
Concen: 69.438 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.005 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:139 Resp: 154276

Ion	Ratio	Lower	Upper
139	100		
109	88.6	68.8	108.8
65	120.0	101.3	141.3

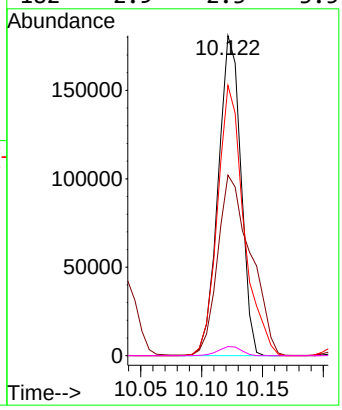




#57
2,4-Dinitrotoluene
Concen: 61.661 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:165 Resp: 23450

Ion	Ratio	Lower	Upper
165	100		
63	56.4	44.2	66.4
89	84.5	67.4	101.2
182	2.9	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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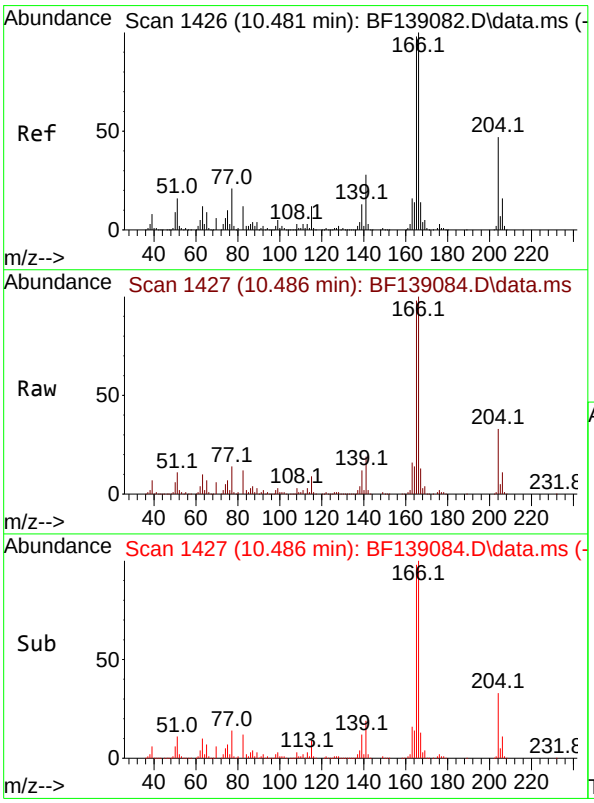
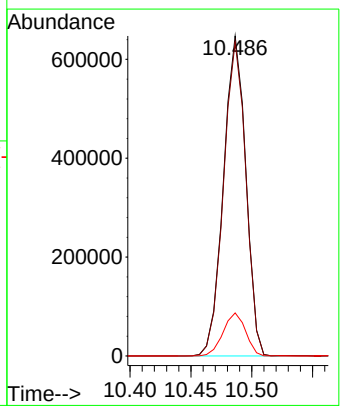
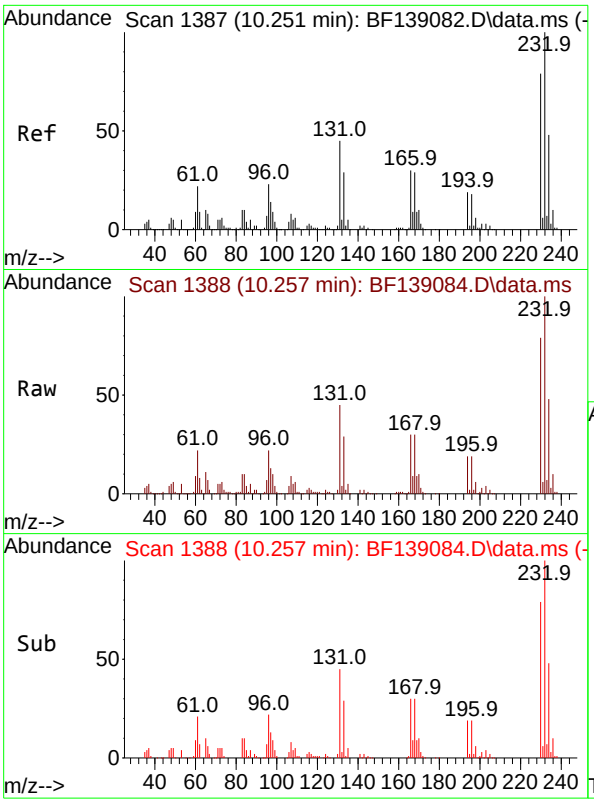


#58
Fluorene
Concen: 56.818 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:166 Resp: 827038

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.0	117.0
167	13.4	11.0	16.4

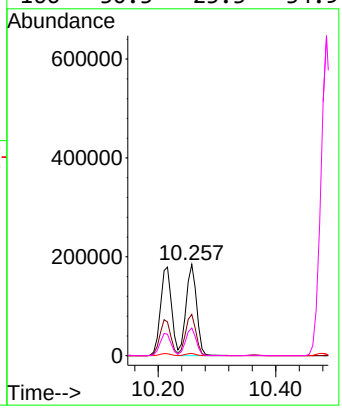




#59
2,3,4,6-Tetrachlorophenol
Concen: 63.585 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:232 Resp: 23051

Ion	Ratio	Lower	Upper
232	100		
131	44.7	36.0	54.0
130	2.4	2.0	3.0
166	30.3	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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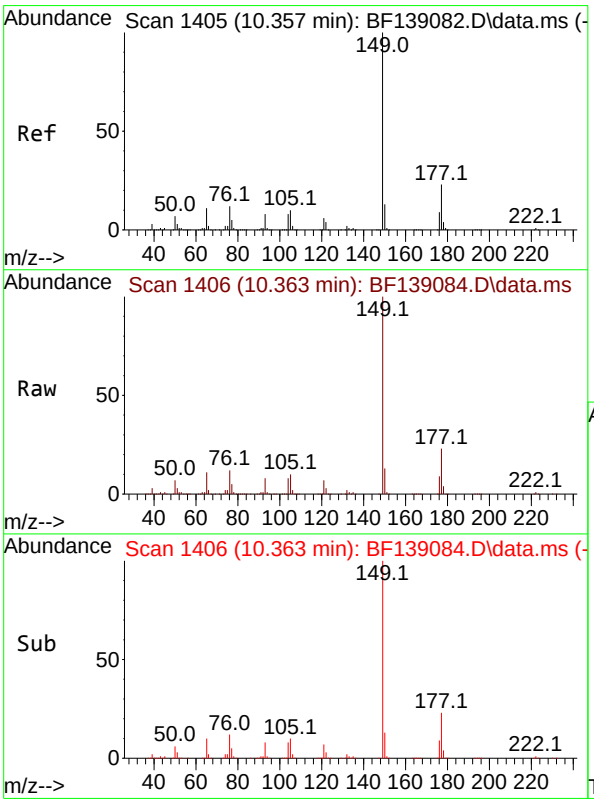
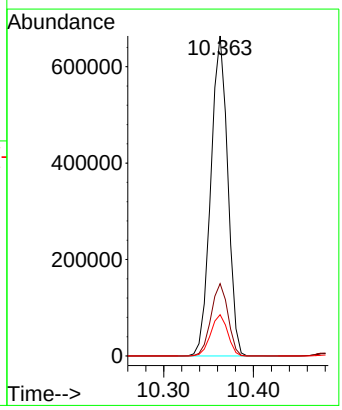
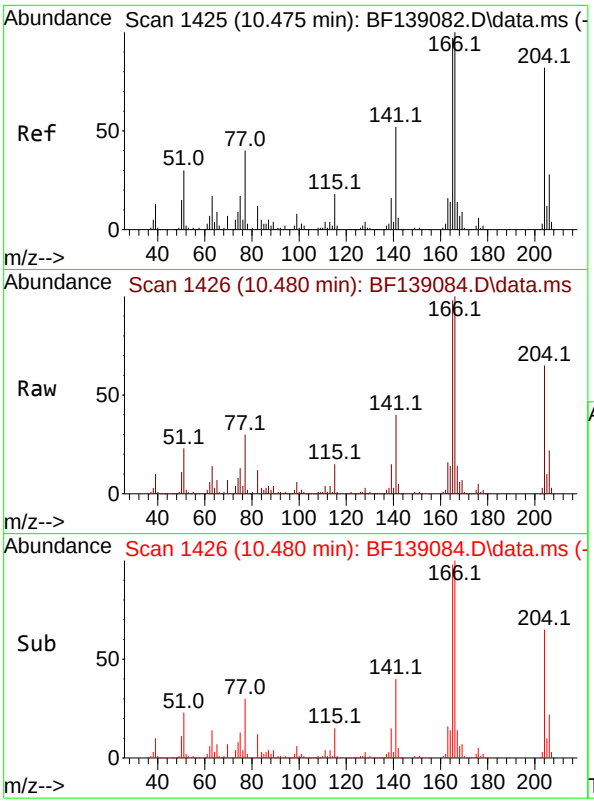


#60
Diethylphthalate
Concen: 59.695 ng
RT: 10.363 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 869390

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	12.9	10.2	15.2

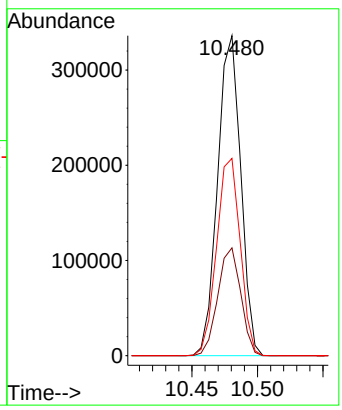




#61
4-Chlorophenyl-phenylether
Concen: 56.677 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:204 Resp: 41203

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	61.7	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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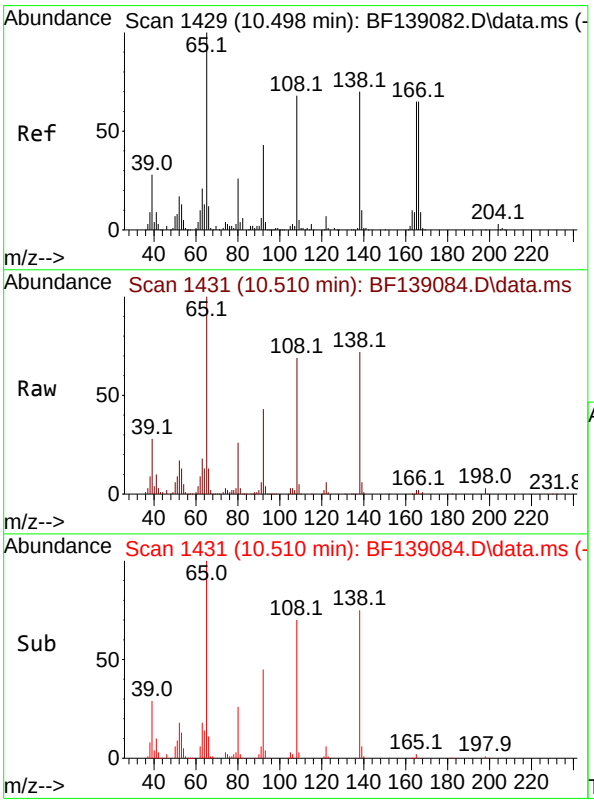
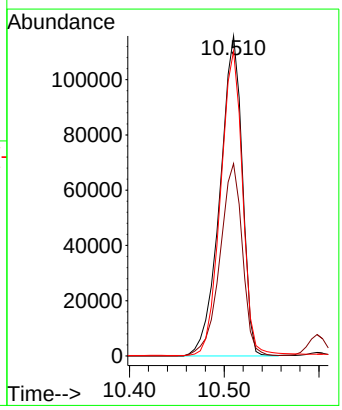
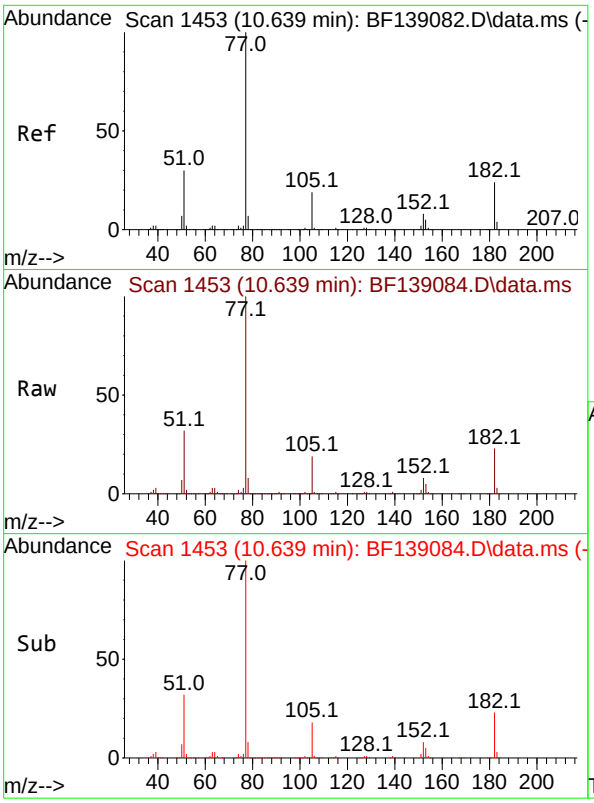


#62
4-Nitroaniline
Concen: 61.824 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:138 Resp: 190012

Ion	Ratio	Lower	Upper
138	100		
92	60.1	41.4	81.4
108	95.3	76.8	116.8

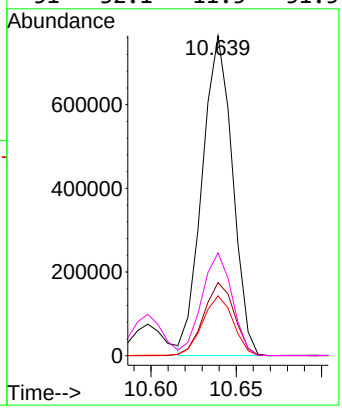




#63
Azobenzene
Concen: 58.350 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion: 77 Resp: 94435

Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.0	44.0
105	18.7	0.0	39.1
51	32.1	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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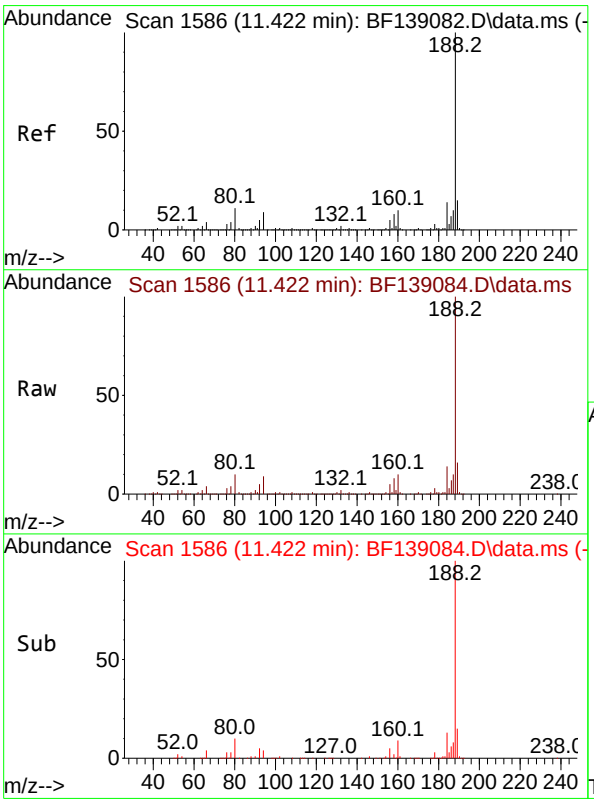
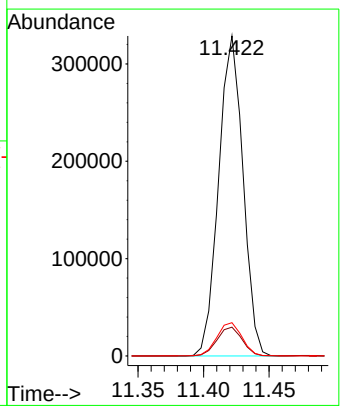
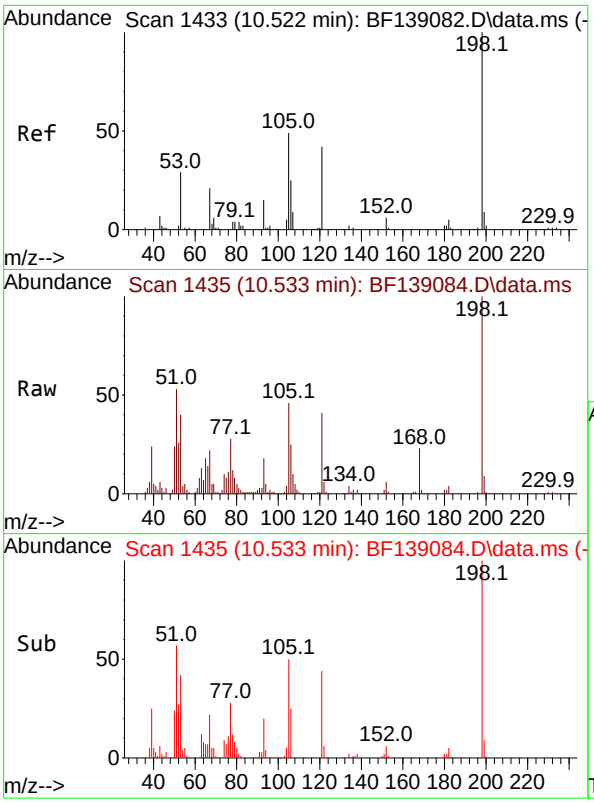


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:188 Resp: 424289

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.4	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 62.597 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.011 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:198 Resp: 10563

Ion	Ratio	Lower	Upper
198	100		
51	53.1	40.8	80.8
105	45.9	30.9	70.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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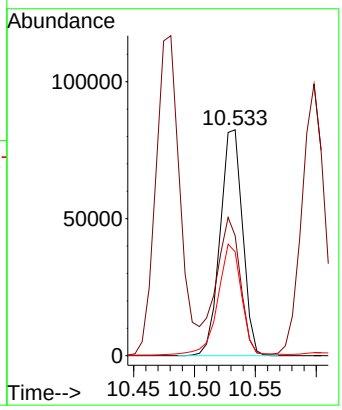
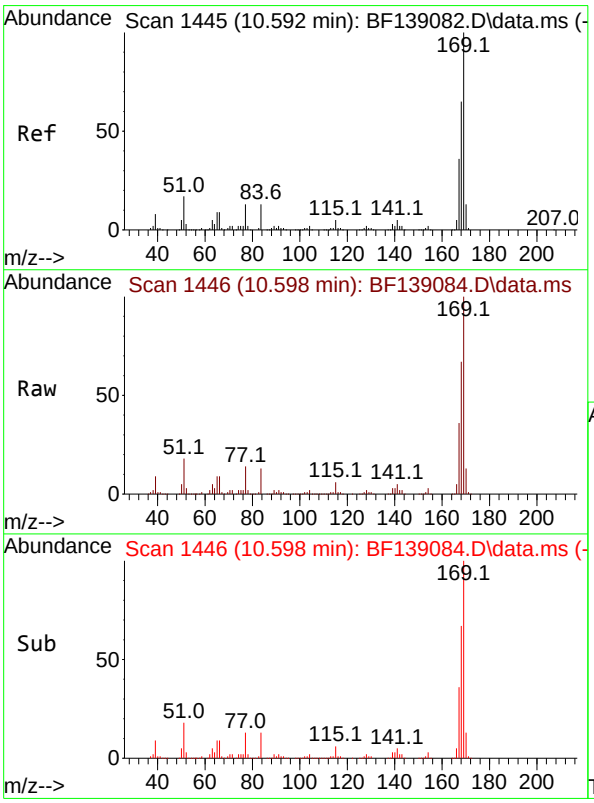
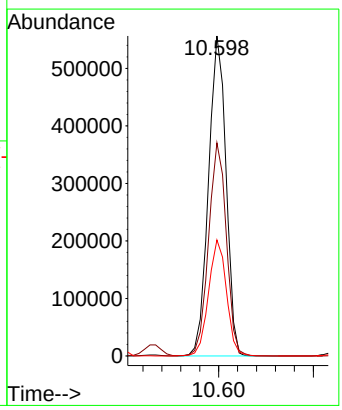


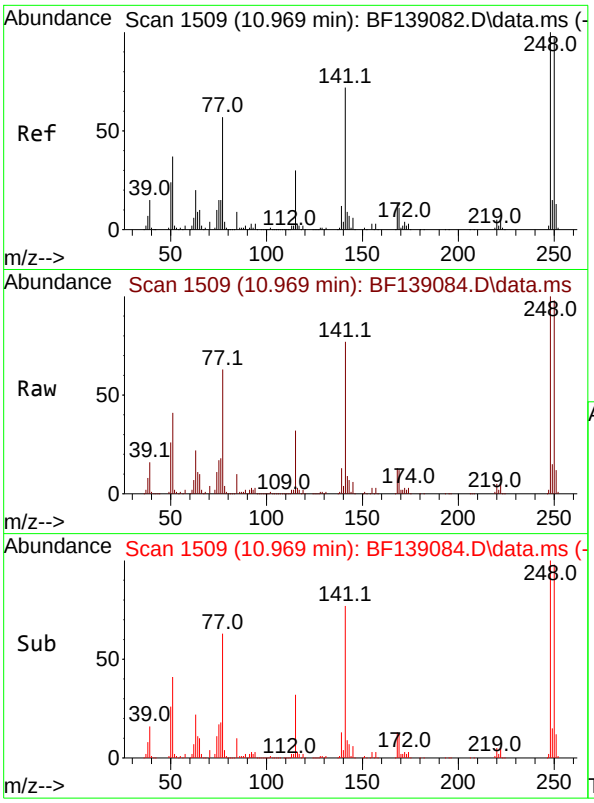


#66
n-Nitrosodiphenylamine
Concen: 56.888 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:169 Resp: 714187

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.4	78.6
167	36.3	28.6	43.0

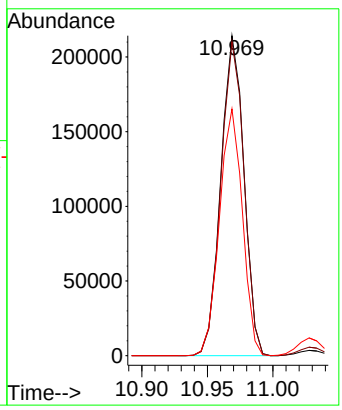




#67
4-Bromophenyl-phenylether
Concen: 58.490 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:248 Resp: 26296

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	77.1	57.9	86.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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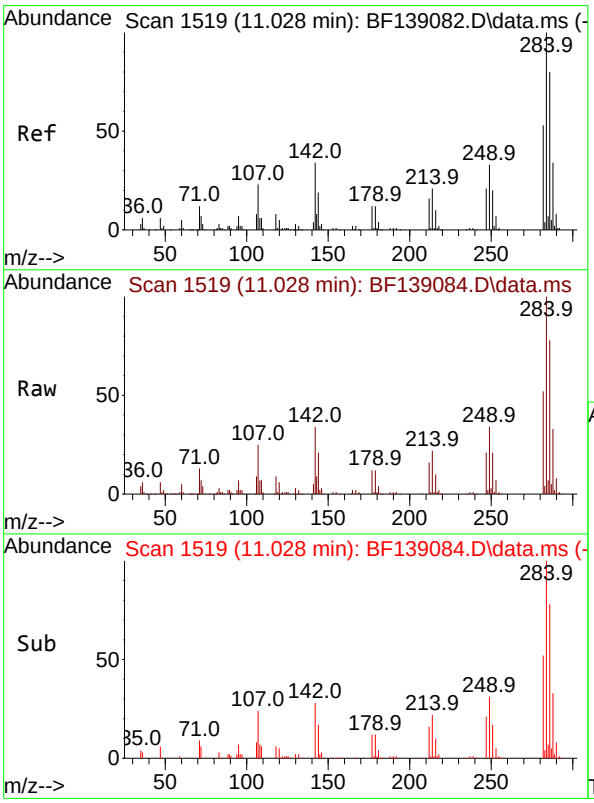
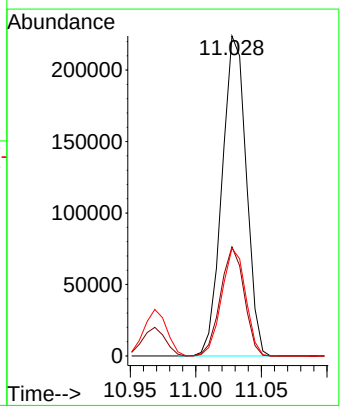
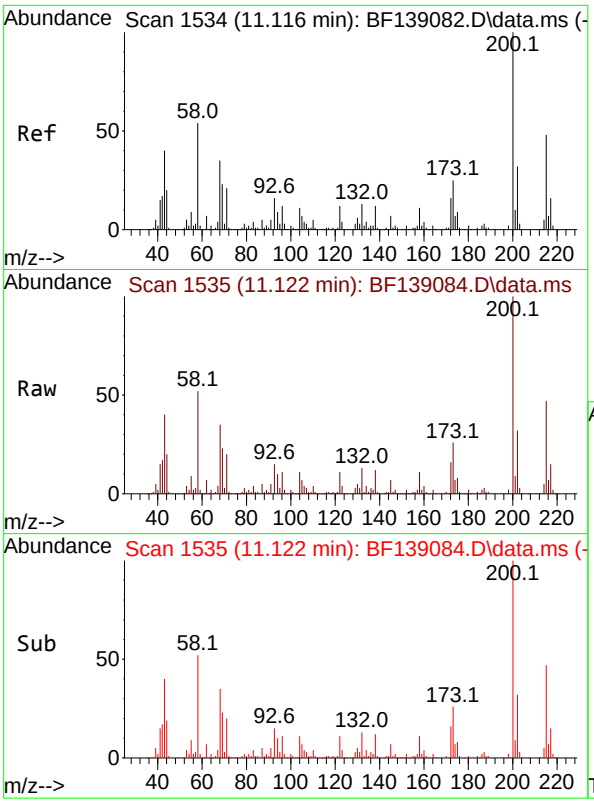


#68
Hexachlorobenzene
Concen: 59.547 ng
RT: 11.028 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:284 Resp: 287218

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.1	40.7
249	33.6	26.8	40.2

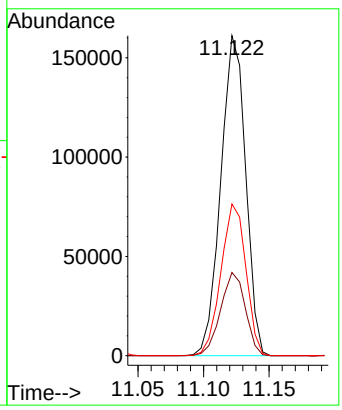




#69
Atrazine
Concen: 55.426 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:200 Resp: 21251

Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.2	45.2
215	47.4	27.9	67.9



Instrument :
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ClientSampleId :
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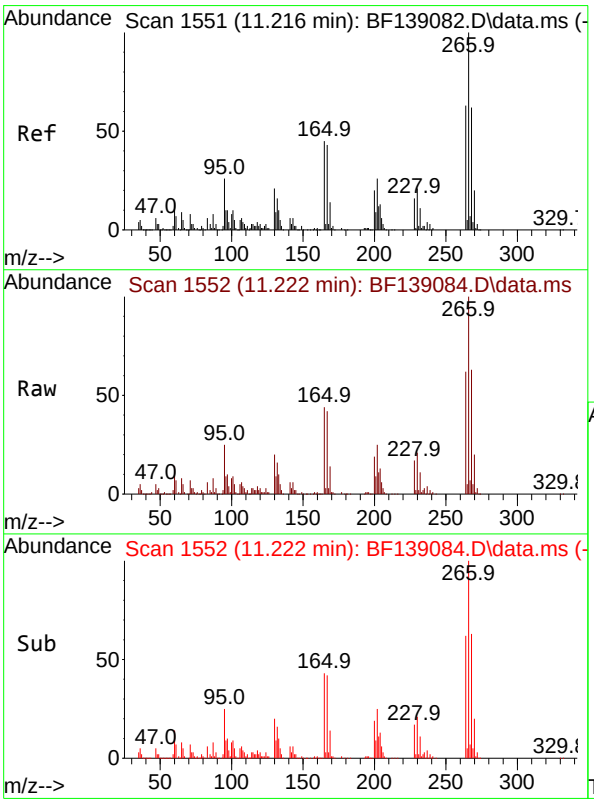
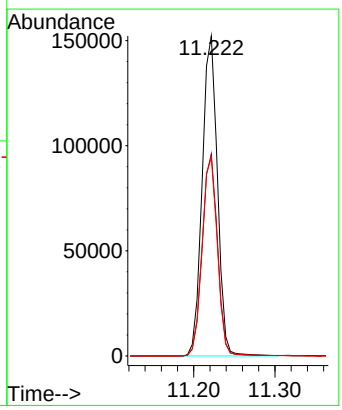
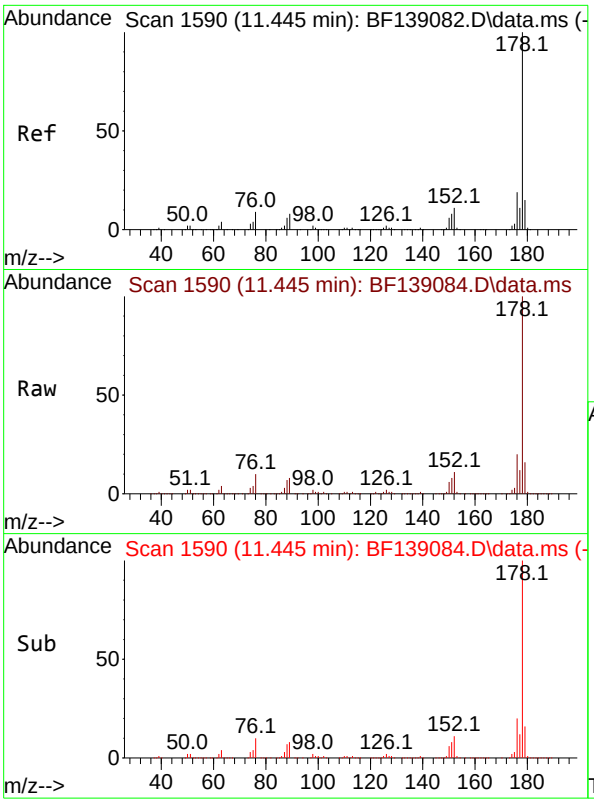


#70
Pentachlorophenol
Concen: 64.347 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:266 Resp: 198256

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.5	74.3
264	62.0	50.0	75.0

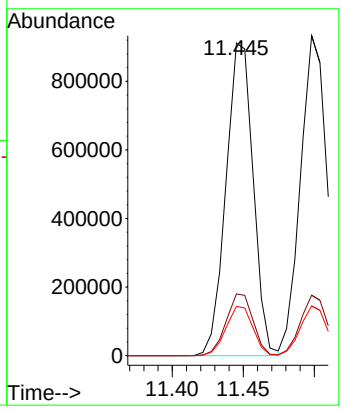




#71
Phenanthrene
Concen: 56.300 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:178 Resp: 121414

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.8	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
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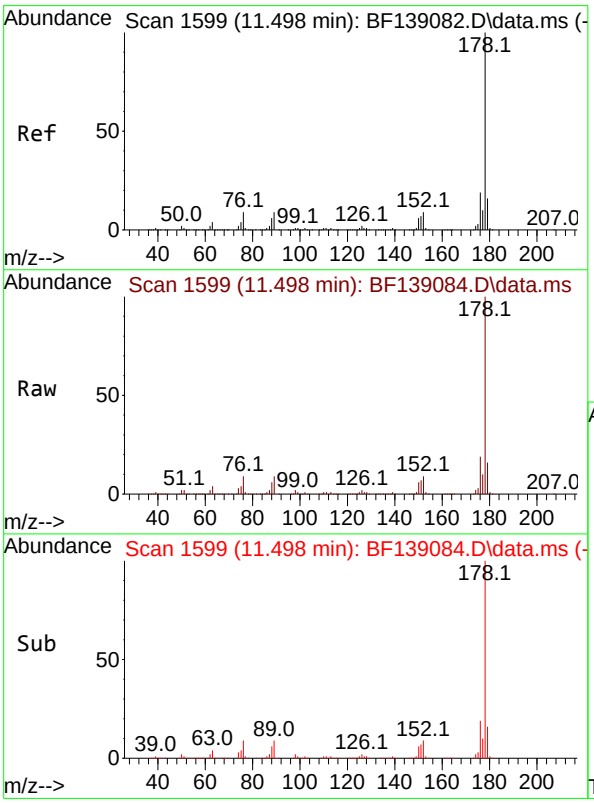
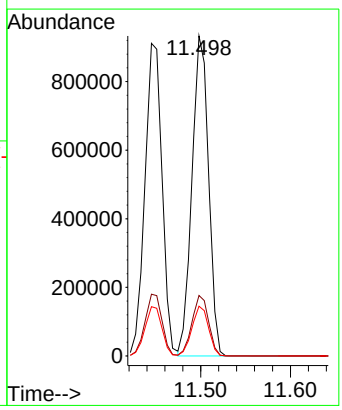
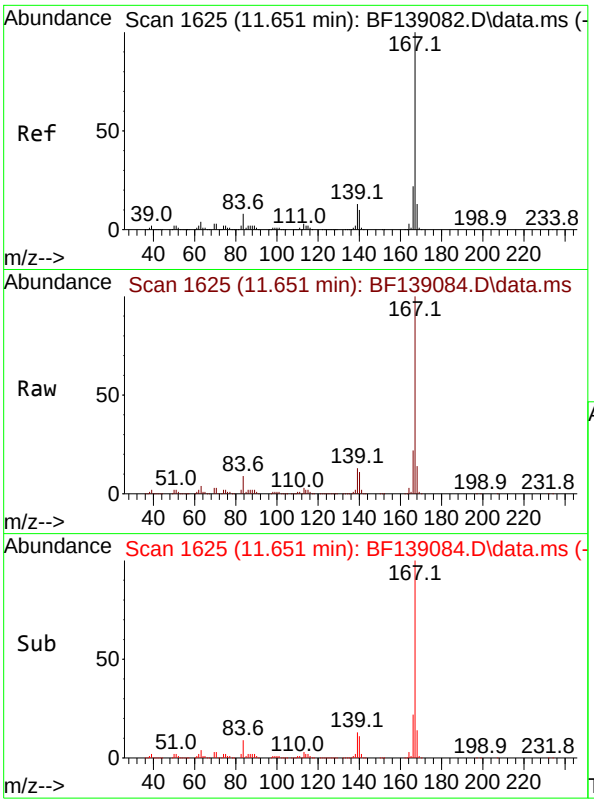


#72
Anthracene
Concen: 56.781 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:178 Resp: 1197552

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.6	12.4	18.6

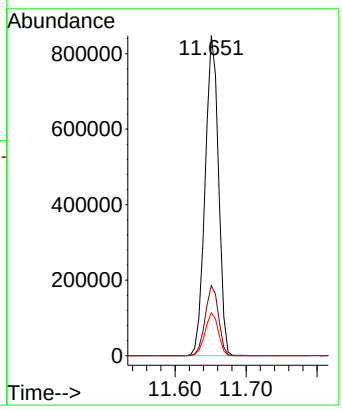




#73
Carbazole
Concen: 56.342 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:167 Resp: 110960

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.4	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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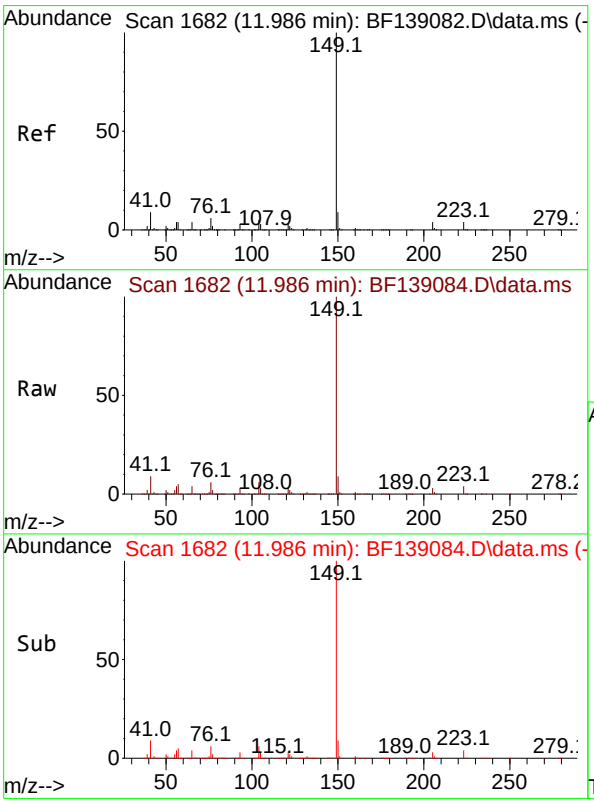
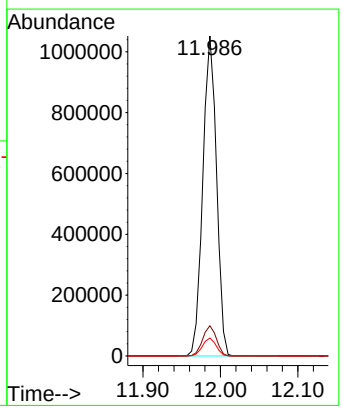
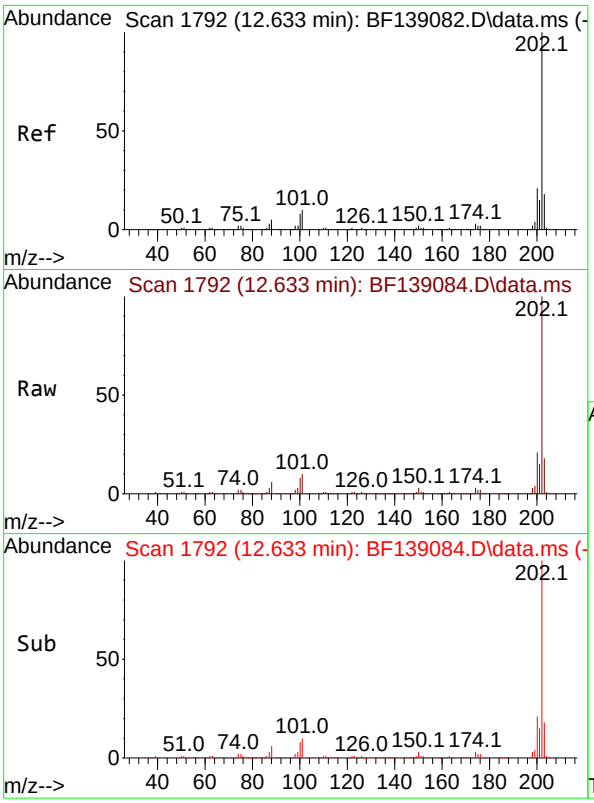


#74
Di-n-butylphthalate
Concen: 56.547 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 1291288

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.6	4.3	6.5





#75
Fluoranthene
Concen: 55.906 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:202 Resp: 128684

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.6	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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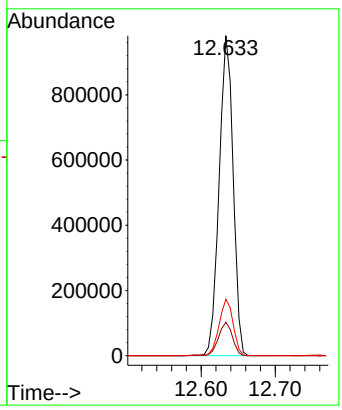
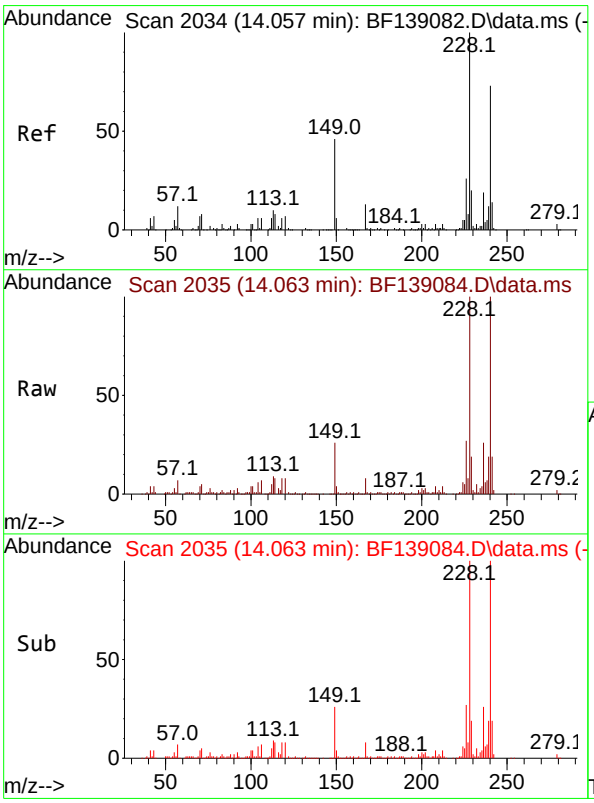
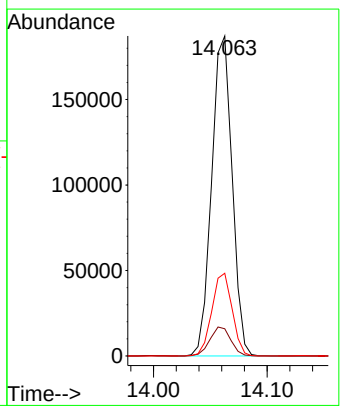


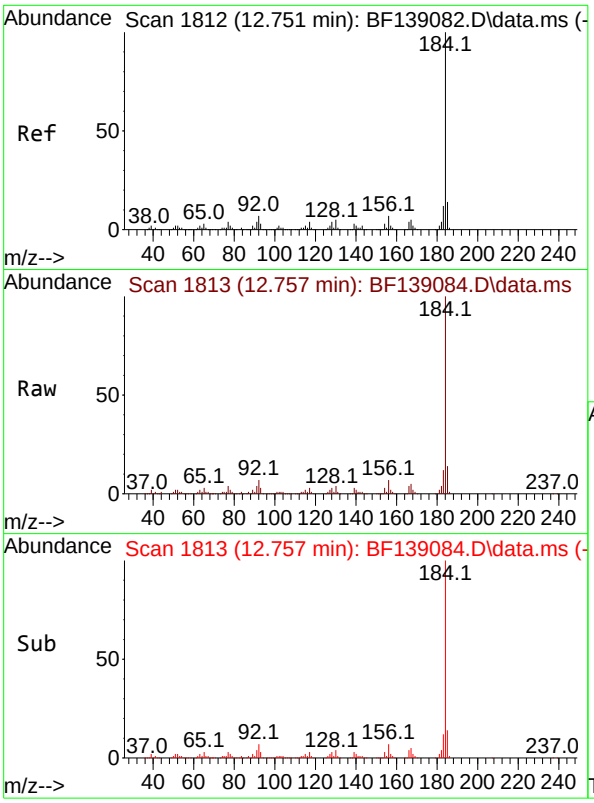


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:240 Resp: 234868

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	25.9	20.9	31.3

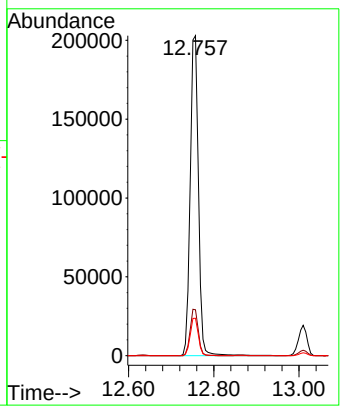




#77
Benzidine
Concen: 55.952 ng
RT: 12.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:184 Resp: 27145

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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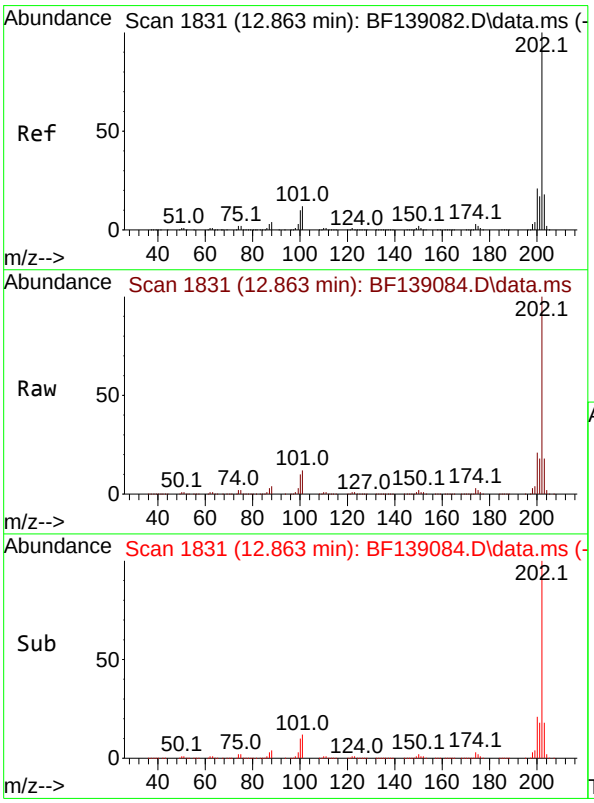
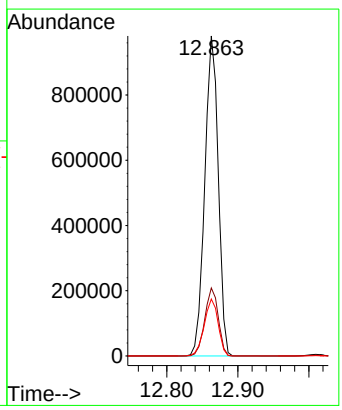
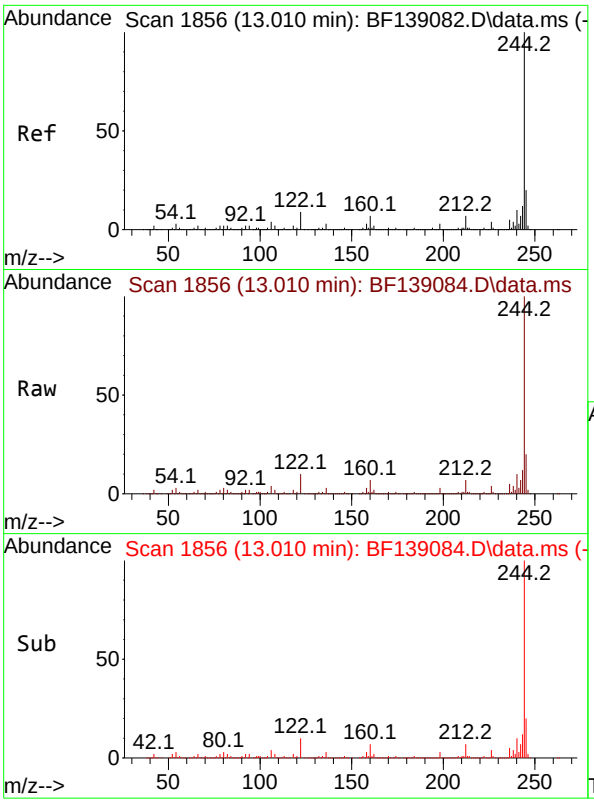


#78
Pyrene
Concen: 66.124 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:202 Resp: 1296045

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.8	14.1	21.1

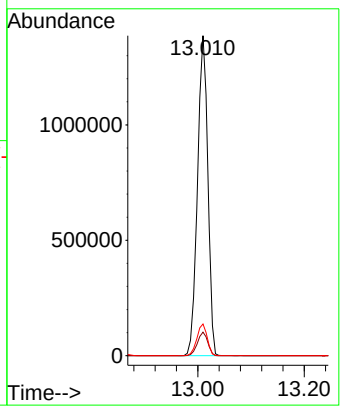




#79
Terphenyl-d14
Concen: 131.903 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:244 Resp: 186705

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.9	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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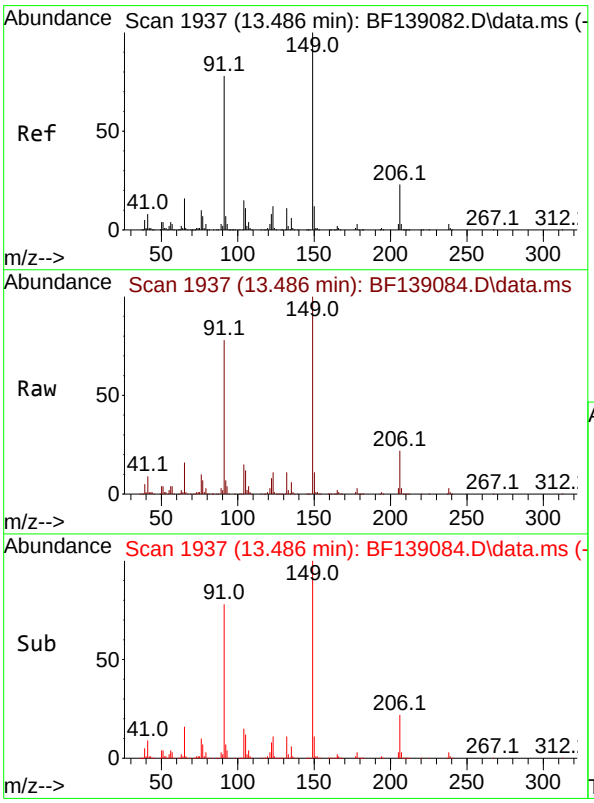
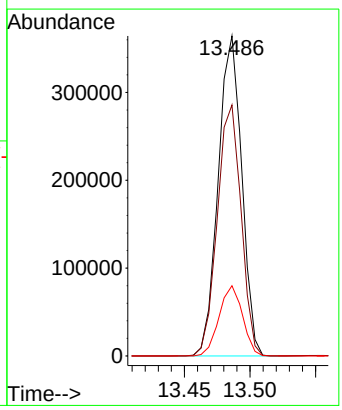
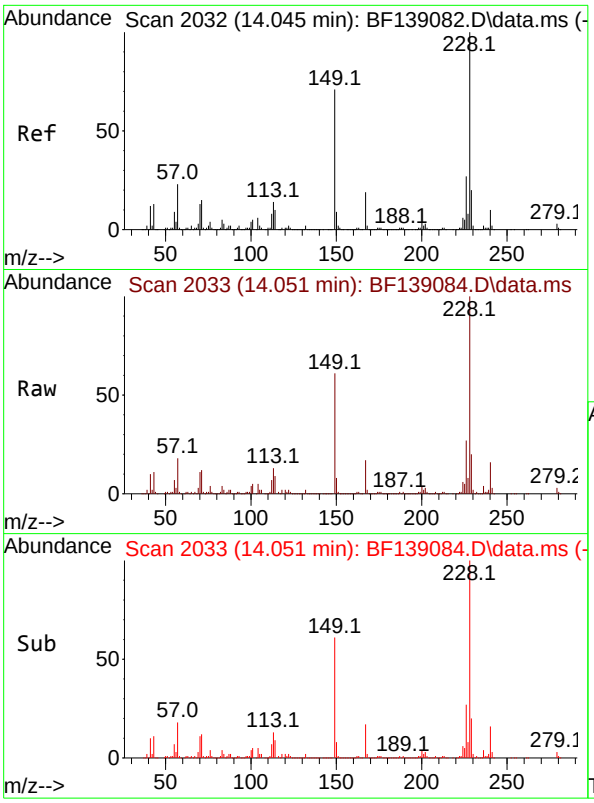


#80
Butylbenzylphthalate
Concen: 66.928 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 453833

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.1	93.1
206	22.0	18.0	27.0

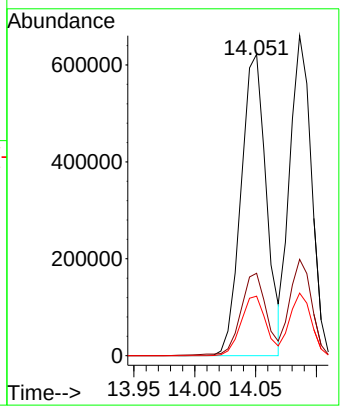




#81
Benzo(a)anthracene
Concen: 58.395 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:228 Resp: 90157

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	19.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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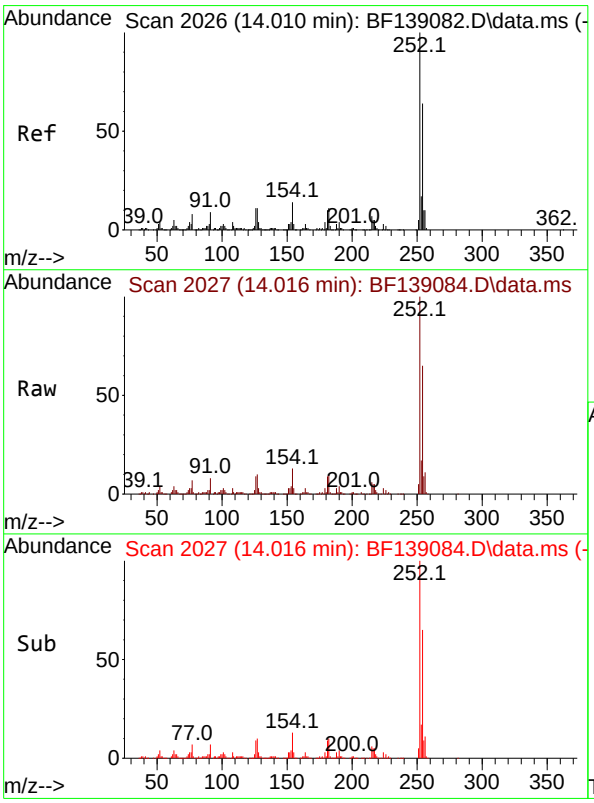
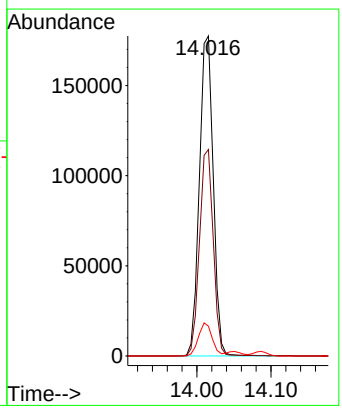
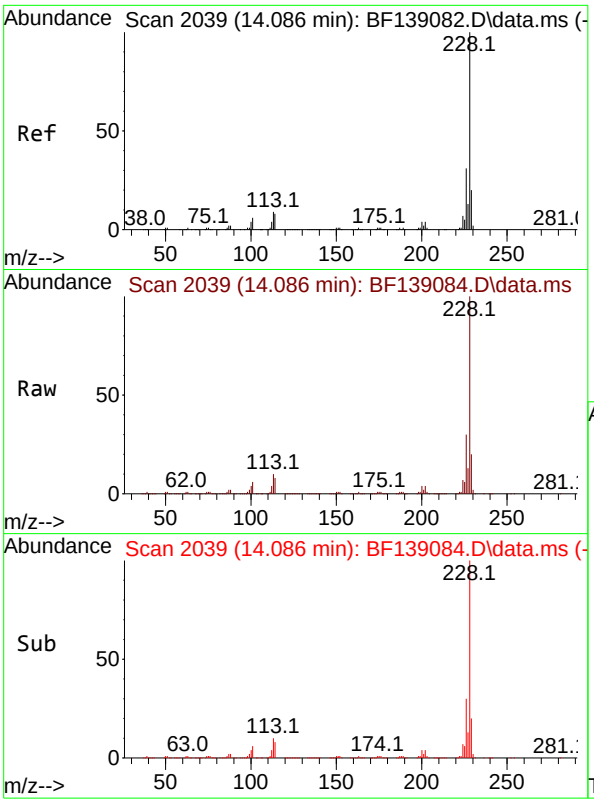


#82
3,3'-Dichlorobenzidine
Concen: 53.496 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:252 Resp: 230868

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.0
126	9.3	8.6	12.8

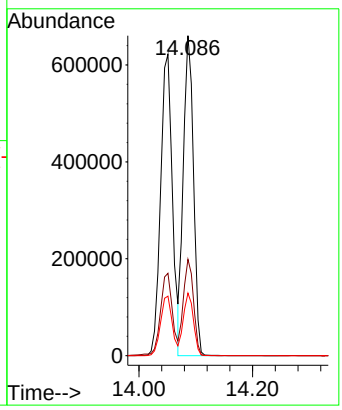




#83
Chrysene
Concen: 58.472 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:228 Resp: 81827

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	19.5	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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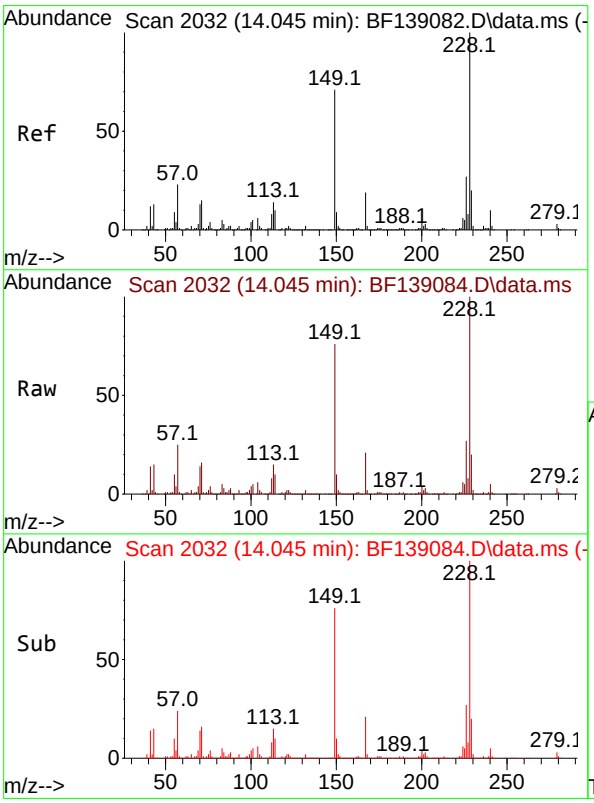
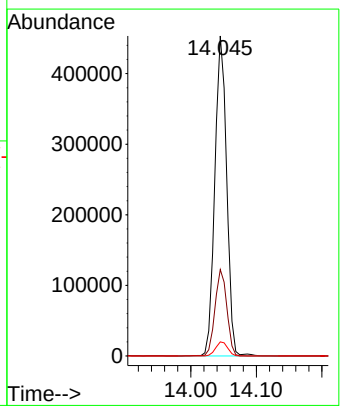
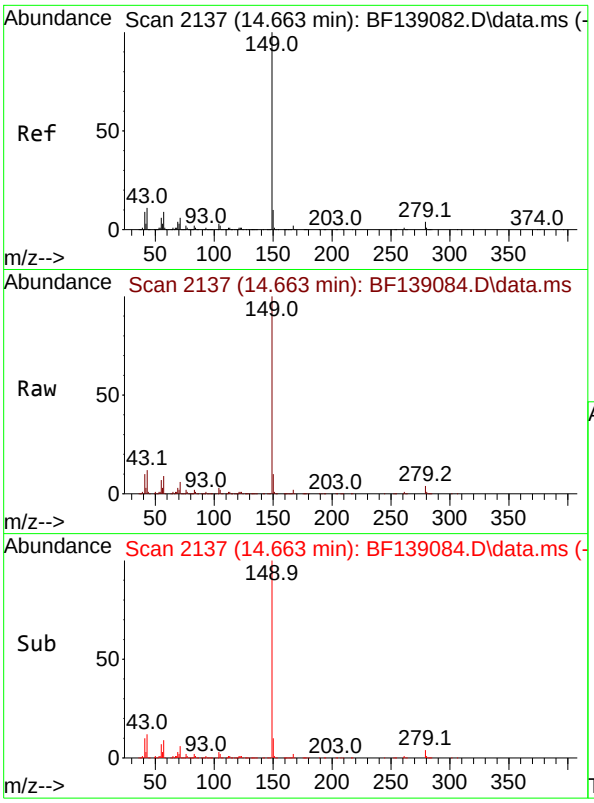


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.032 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 566628

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.6
279	4.4	3.5	5.3

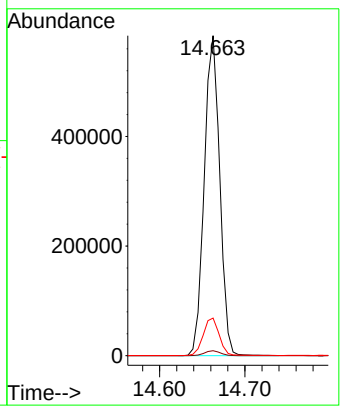




#85
Di-n-octyl phthalate
Concen: 58.456 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:149 Resp: 73753

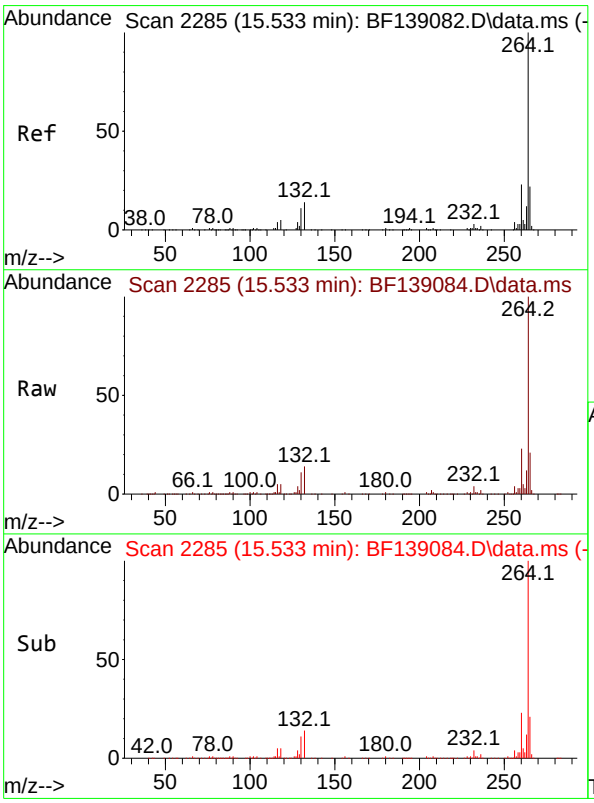
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.1	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

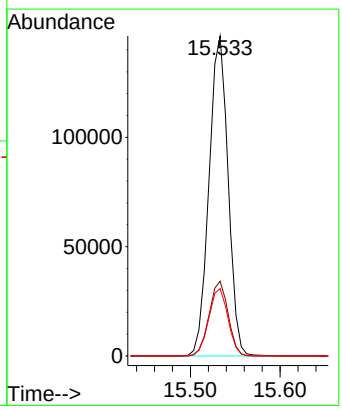
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

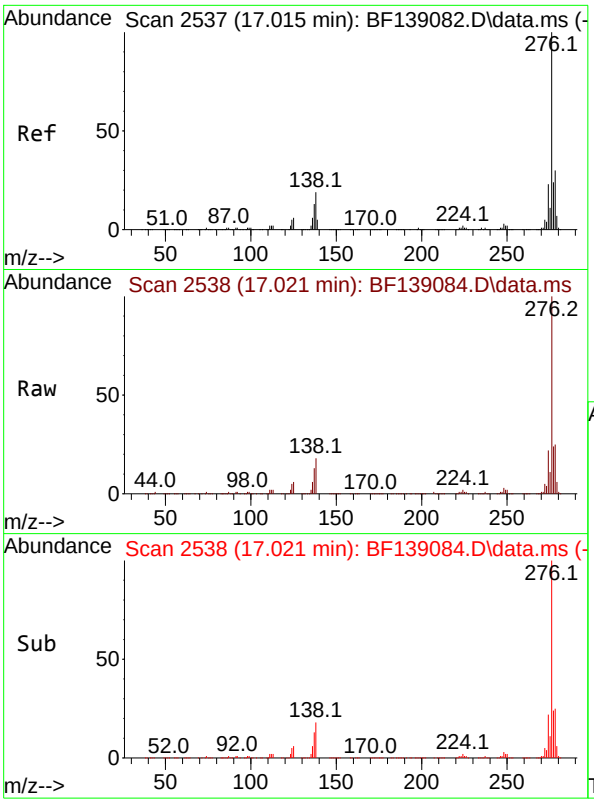


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:264 Resp: 215767

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.1	17.4	26.2

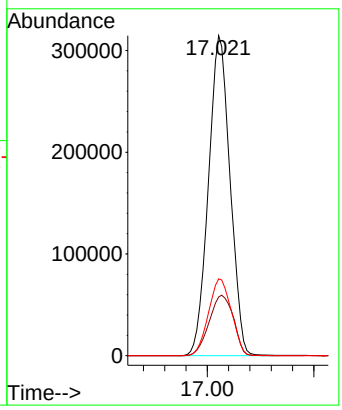




#87
Indeno(1,2,3-cd)pyrene
Concen: 70.191 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:276 Resp: 88637

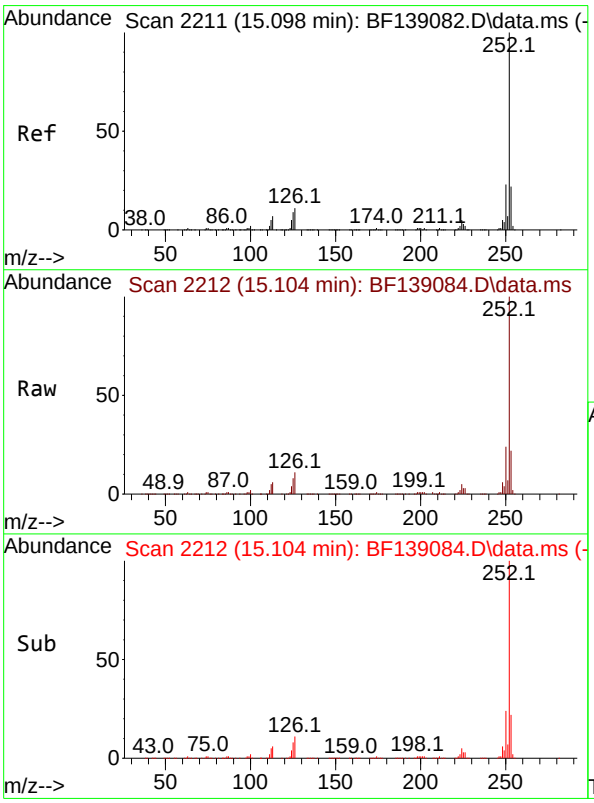
Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.3	25.9
277	25.4	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

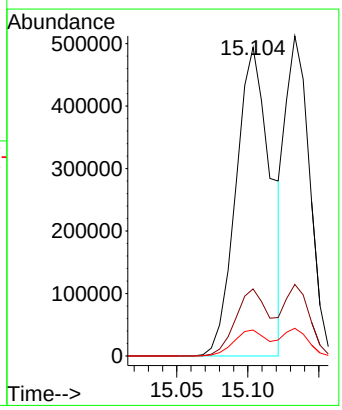
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

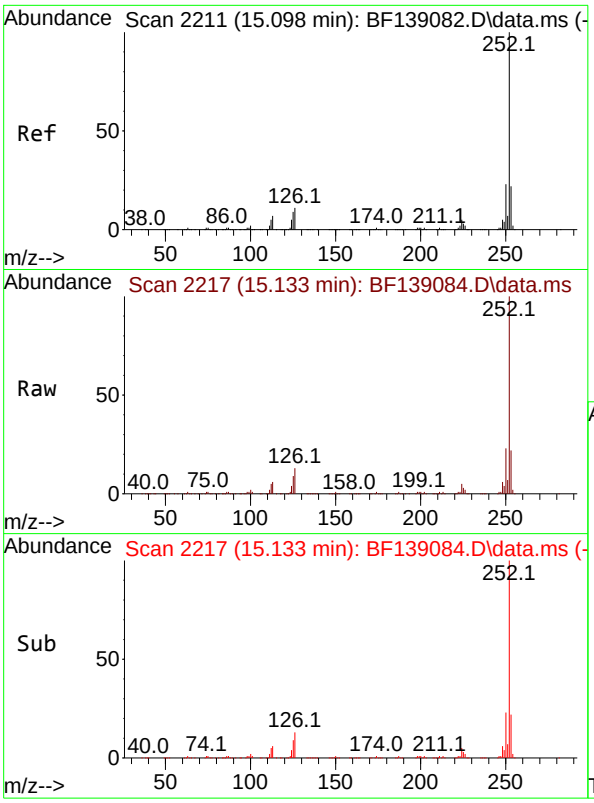


#88
Benzo(b)fluoranthene
Concen: 59.800 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:252 Resp: 841181

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.4	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 51.676 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

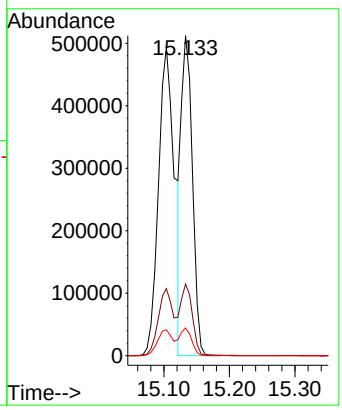
Tgt Ion:252 Resp: 60542

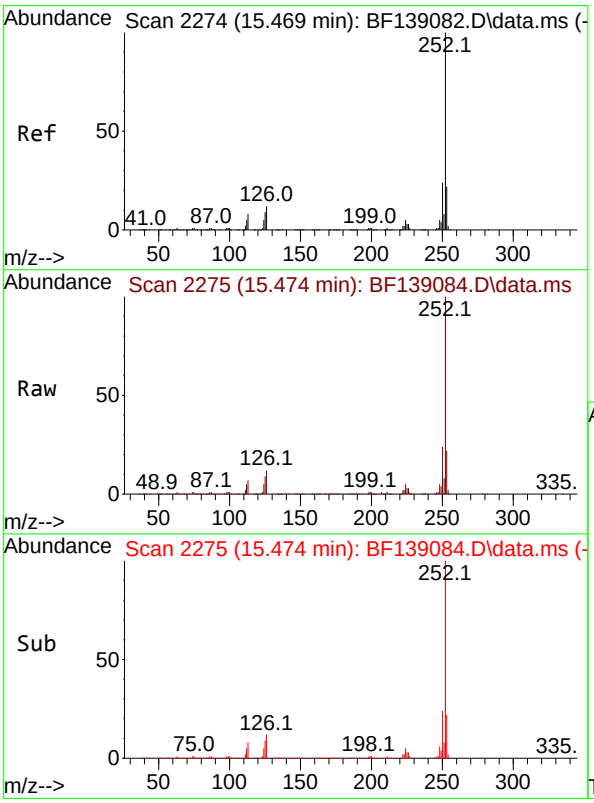
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.7	7.0	10.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

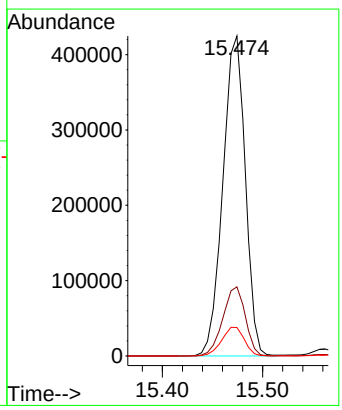


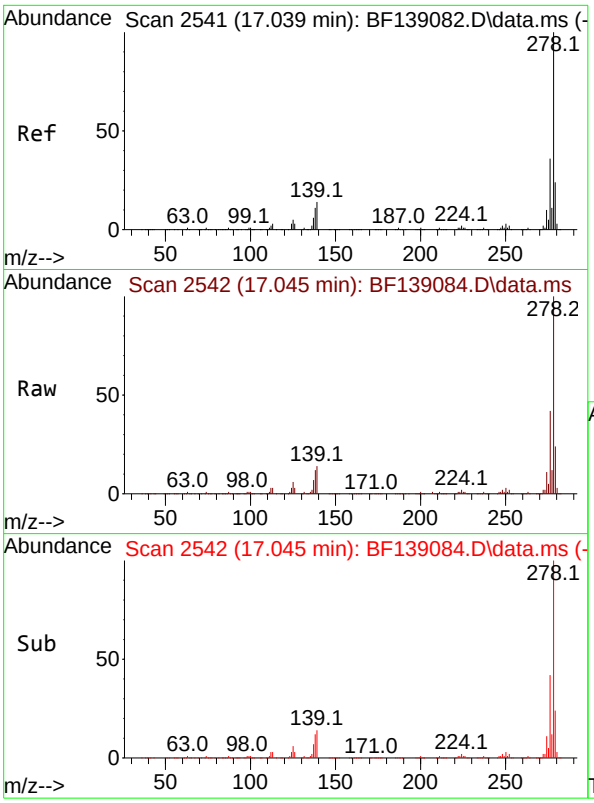


#90
Benzo(a)pyrene
Concen: 59.365 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:252 Resp: 659846

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	8.9	7.4	11.2

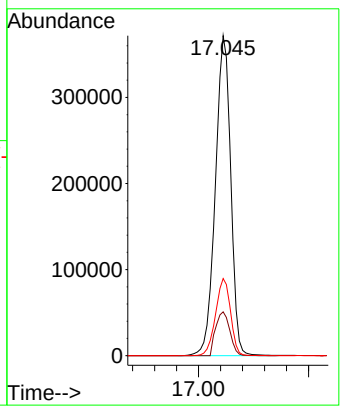




#91
Dibenzo(a,h)anthracene
Concen: 69.619 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:278 Resp: 72167

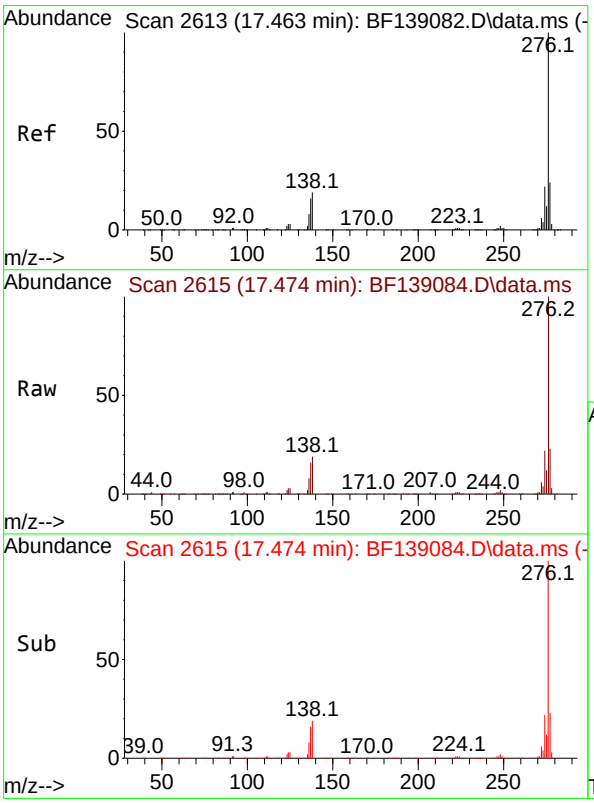
Ion	Ratio	Lower	Upper
278	100		
139	13.7	10.8	16.2
279	24.1	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

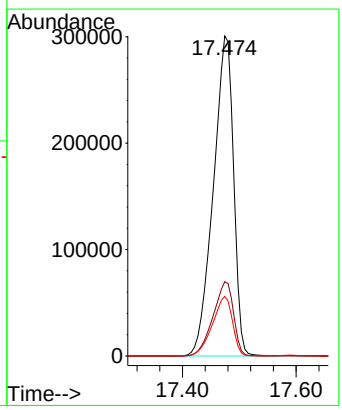
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 61.977 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.011 min
Lab File: BF139084.D
Acq: 20 Aug 2024 20:11

Tgt Ion:276 Resp: 744241

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	18.6	15.0	22.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139085.D
Acq On : 20 Aug 2024 20:41
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 01:18:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	119131	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	419100	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	242021	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	432963	20.000	ng		0.00
76) Chrysene-d12	14.063	240	228726	20.000	ng		0.00
86) Perylene-d12	15.533	264	226925	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1105550	142.776	ng		0.00
7) Phenol-d6	6.534	99	1446661	144.590	ng		0.01
23) Nitrobenzene-d5	7.475	82	1303808	181.276	ng		0.01
42) 2,4,6-Tribromophenol	10.733	330	377555	172.322	ng		0.01
45) 2-Fluorobiphenyl	9.263	172	2161810	141.721	ng		0.00
79) Terphenyl-d14	13.010	244	2367017	171.715	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	249247	75.048	ng		100
3) Pyridine	3.452	79	613455	72.688	ng		99
4) n-Nitrosodimethylamine	3.428	42	369181	72.413	ng		98
6) Aniline	6.610	93	546130m	60.464	ng		
8) 2-Chlorophenol	6.692	128	534146	71.719	ng		98
10) Phenol	6.551	94	728874	70.014	ng		93
11) bis(2-Chloroethyl)ether	6.645	93	697210m	83.597	ng		
12) 1,3-Dichlorobenzene	6.845	146	637378	71.179	ng		100
13) 1,4-Dichlorobenzene	6.922	146	638746	71.344	ng		99
14) 1,2-Dichlorobenzene	7.075	146	588472	71.918	ng		99
15) Benzyl Alcohol	7.045	79	582213	73.626	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	818208	69.379	ng		98
17) 2-Methylphenol	7.151	107	471441	73.991	ng		98
18) Hexachloroethane	7.416	117	230618	73.457	ng		97
19) n-Nitroso-di-n-propyla...	7.328	70	457650	69.653	ng		98
20) 3+4-Methylphenols	7.310	107	584824	70.843	ng	#	90
22) Acetophenone	7.316	105	805429	75.267	ng	#	91
24) Nitrobenzene	7.492	77	692449	86.615	ng		99
25) Isophorone	7.728	82	1183760	77.435	ng		99
26) 2-Nitrophenol	7.798	139	241979	82.278	ng		98
27) 2,4-Dimethylphenol	7.834	122	369357	76.193	ng		99
28) bis(2-Chloroethoxy)met...	7.939	93	665625	74.518	ng		100
29) 2,4-Dichlorophenol	8.039	162	469669	77.769	ng		98
30) 1,2,4-Trichlorobenzene	8.122	180	526689	74.479	ng		99
31) Naphthalene	8.210	128	1571455	73.993	ng		100
32) Benzoic acid	7.987	122	358794m	80.763	ng		
33) 4-Chloroaniline	8.269	127	560781	77.099	ng		100
34) Hexachlorobutadiene	8.322	225	349276	75.609	ng		99
35) Caprolactam	8.651	113	152988	79.912	ng		95
36) 4-Chloro-3-methylphenol	8.734	107	524285	78.405	ng		99
37) 2-Methylnaphthalene	8.898	142	988647	72.575	ng		99
38) 1-Methylnaphthalene	8.998	142	976866	74.301	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	509728	79.265	ng		99
41) Hexachlorocyclopentadiene	9.045	237	207241	81.380	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	339303	75.883	ng		99
44) 2,4,5-Trichlorophenol	9.210	196	367371	80.042	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139085.D
Acq On : 20 Aug 2024 20:41
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 01:18:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.363	154	1245232	75.109	ng		99
47) 2-Chloronaphthalene	9.386	162	1004510	74.569	ng		99
48) 2-Nitroaniline	9.481	65	334286	82.036	ng		99
49) Acenaphthylene	9.804	152	1443121	74.784	ng		100
50) Dimethylphthalate	9.669	163	1145946	76.696	ng		100
51) 2,6-Dinitrotoluene	9.728	165	250261	80.164	ng		97
52) Acenaphthene	9.975	154	969490	76.056	ng		99
53) 3-Nitroaniline	9.898	138	254287	80.737	ng	#	98
54) 2,4-Dinitrophenol	9.998	184	103715	79.421	ng	#	52
55) Dibenzofuran	10.145	168	1373209	74.168	ng		99
56) 4-Nitrophenol	10.045	139	203843	90.256	ng		99
57) 2,4-Dinitrotoluene	10.128	165	320658	81.030	ng		97
58) Fluorene	10.486	166	1079992	72.990	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	298788	81.079	ng		98
60) Diethylphthalate	10.369	149	1133466	76.563	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	536572	72.609	ng		99
62) 4-Nitroaniline	10.516	138	253076	79.854	ng		99
63) Azobenzene	10.639	77	1230472	74.792	ng		98
65) 4,6-Dinitro-2-methylph...	10.539	198	149962	79.254	ng		94
66) n-Nitrosodiphenylamine	10.604	169	935624	73.033	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	346464	75.518	ng		99
68) Hexachlorobenzene	11.033	284	375376	76.266	ng		98
69) Atrazine	11.128	200	262373	67.059	ng		100
70) Pentachlorophenol	11.222	266	261340	83.122	ng		97
71) Phenanthrene	11.451	178	1575520	71.593	ng		99
72) Anthracene	11.504	178	1555583	72.279	ng		99
73) Carbazole	11.657	167	1425898	70.952	ng		99
74) Di-n-butylphthalate	11.986	149	1674782	71.871	ng		99
75) Fluoranthene	12.633	202	1641350	69.879	ng		99
77) Benzidine	12.757	184	387111	81.935	ng		100
78) Pyrene	12.869	202	1631942	85.498	ng		100
80) Butylbenzylphthalate	13.486	149	577513	87.455	ng		99
81) Benzo(a)anthracene	14.051	228	1118794	74.410	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	285587	67.953	ng		99
83) Chrysene	14.092	228	1056171	77.498	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	720000	82.244	ng		99
85) Di-n-octyl phthalate	14.663	149	974053	79.275	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1190369	89.630	ng		100
88) Benzo(b)fluoranthene	15.104	252	1055284	71.332	ng		99
89) Benzo(k)fluoranthene	15.139	252	920339	74.693	ng		99
90) Benzo(a)pyrene	15.474	252	898664	76.876	ng		100
91) Dibenzo(a,h)anthracene	17.057	278	972287	89.184	ng		99
92) Benzo(g,h,i)perylene	17.486	276	999240	78.348	ng		99

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

ICAL Form

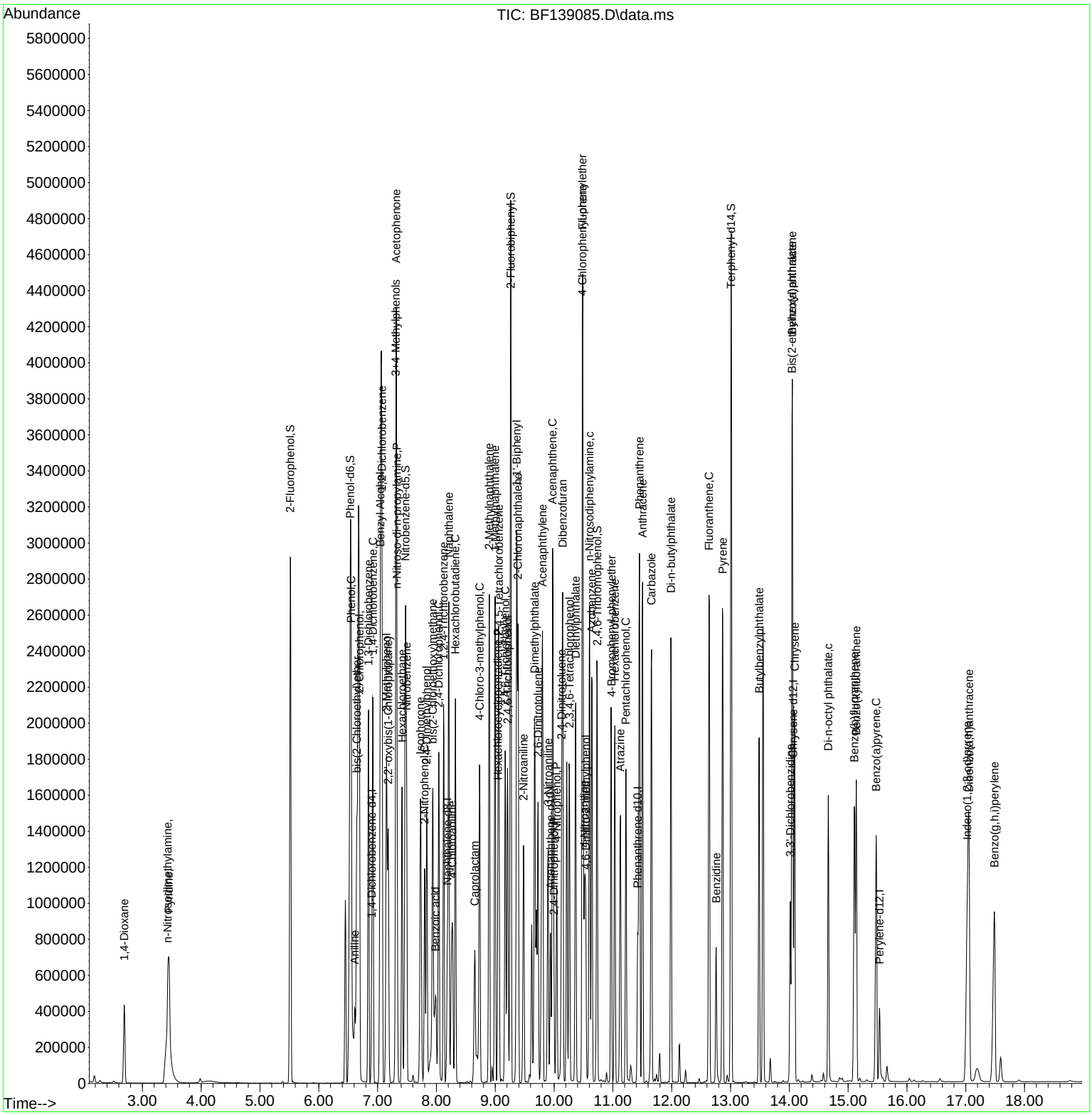
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139085.D
Acq On : 20 Aug 2024 20:41
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

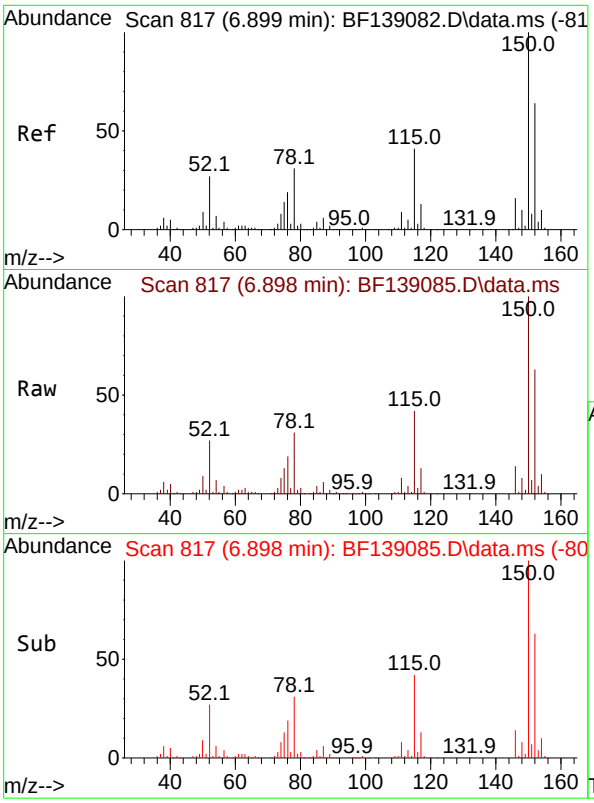
Quant Time: Aug 21 01:18:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:09:46 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

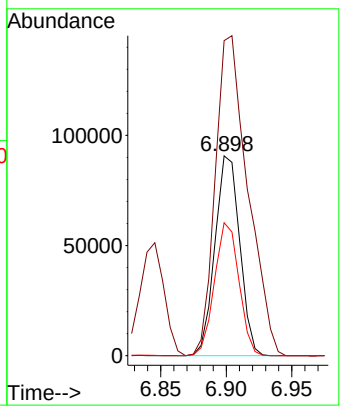




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:152 Resp: 11913

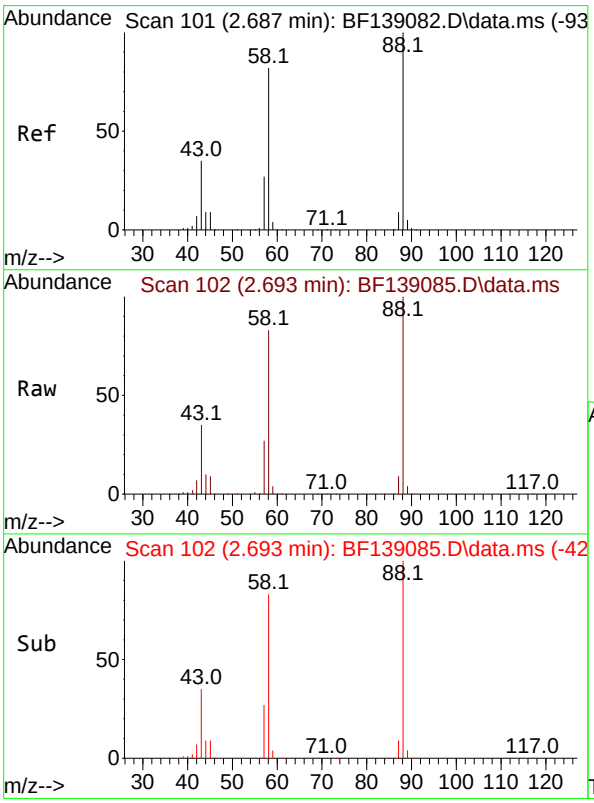
Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.1	187.7
115	66.5	51.8	77.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

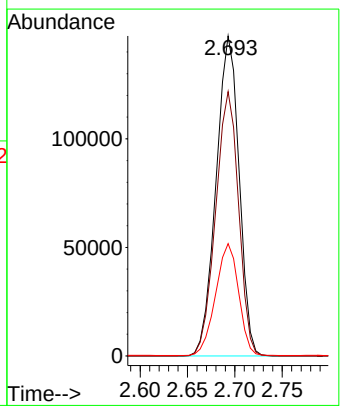
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

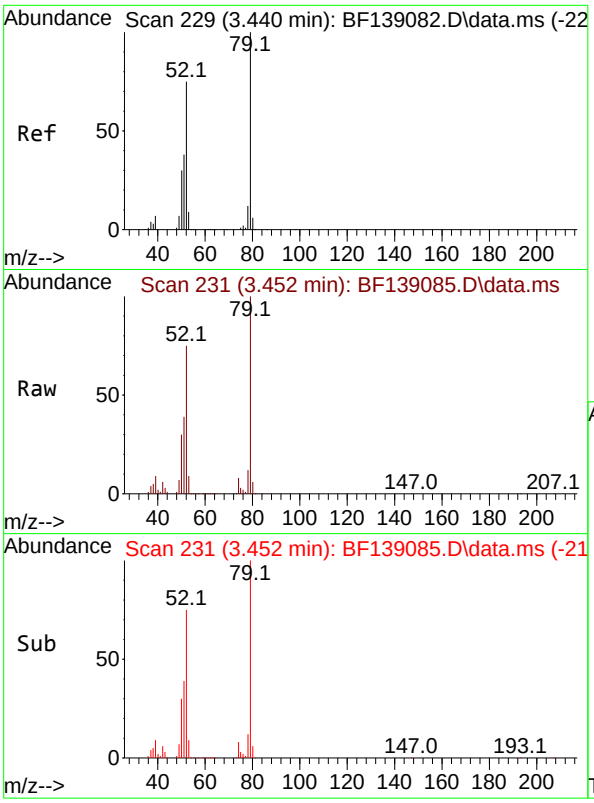


#2
1,4-Dioxane
Concen: 75.048 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 88 Resp: 249247

Ion	Ratio	Lower	Upper
88	100		
58	82.3	65.4	98.0
43	34.9	27.9	41.9

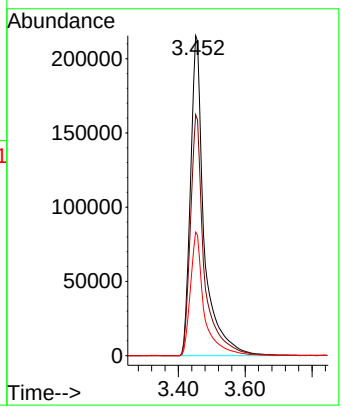




#3
Pyridine
Concen: 72.688 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 79 Resp: 61345

Ion	Ratio	Lower	Upper
79	100		
52	75.3	59.7	89.5
51	38.6	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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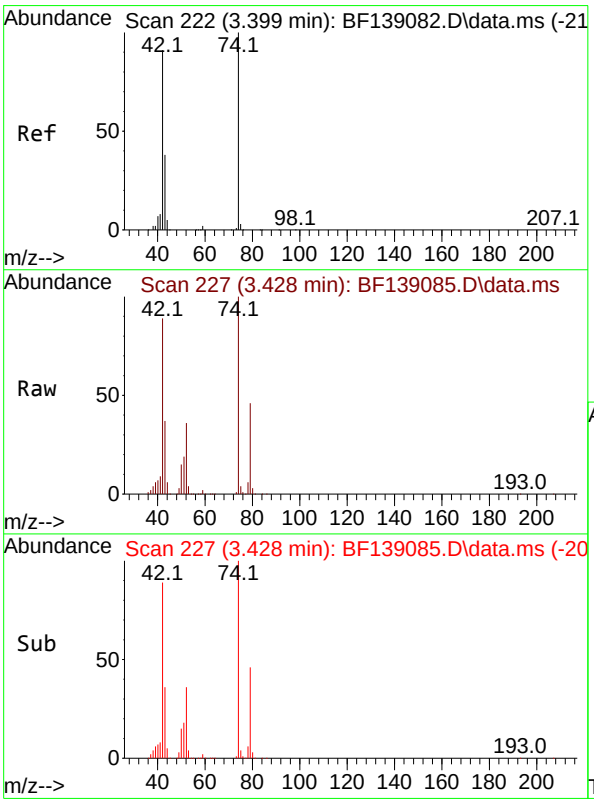
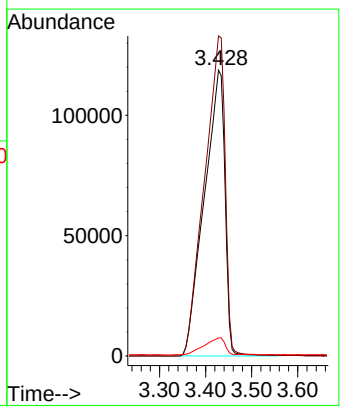
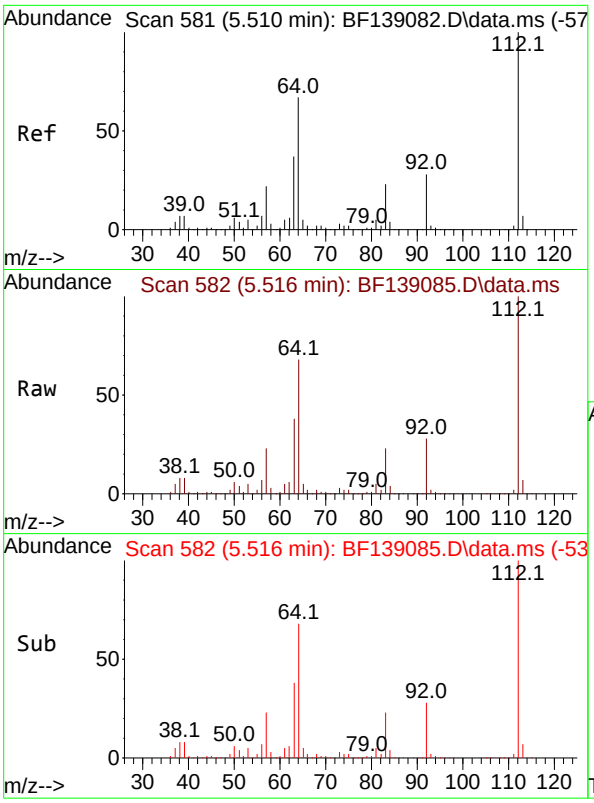


#4
n-Nitrosodimethylamine
Concen: 72.413 ng
RT: 3.428 min Scan# 227
Delta R.T. 0.029 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 42 Resp: 369181

Ion	Ratio	Lower	Upper
42	100		
74	112.0	88.2	132.2
44	6.3	5.4	8.0

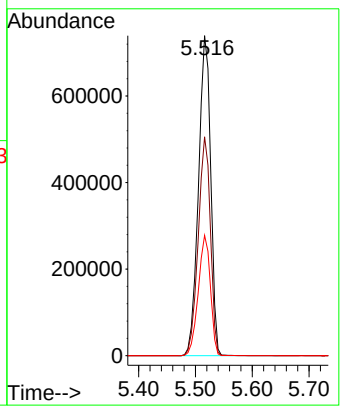




#5
2-Fluorophenol
Concen: 142.776 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:112 Resp: 110555

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.8	80.6
63	37.6	29.4	44.2



Instrument :
BNA_F
ClientSampleId :
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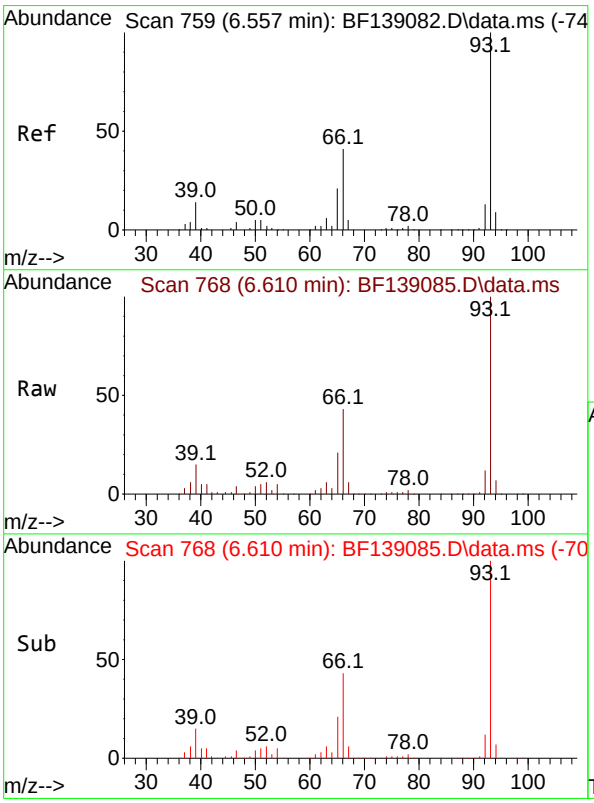
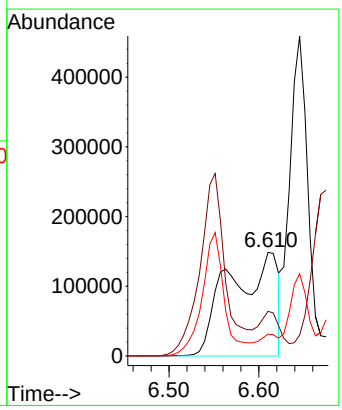
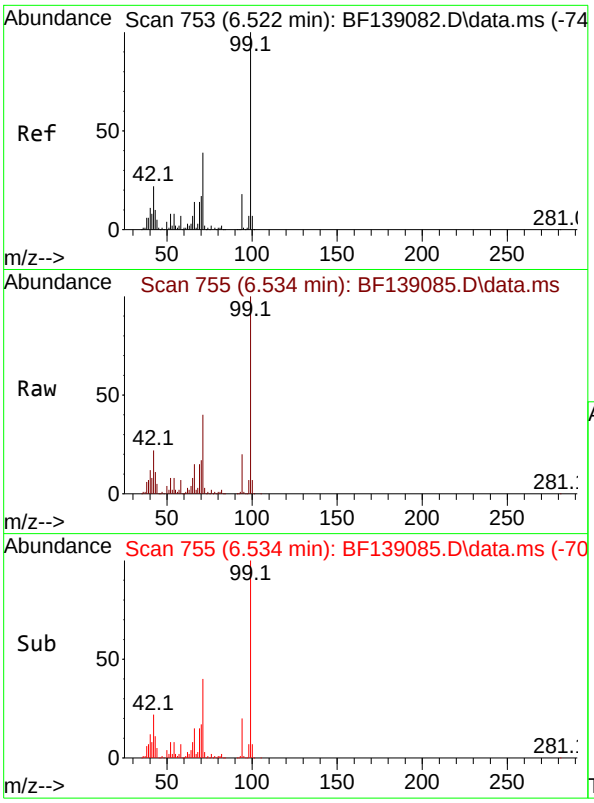


#6
Aniline
Concen: 60.464 ng m
RT: 6.610 min Scan# 768
Delta R.T. 0.053 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 93 Resp: 546130

Ion	Ratio	Lower	Upper
93	100		
66	43.1	35.1	52.7
65	21.0	17.4	26.2

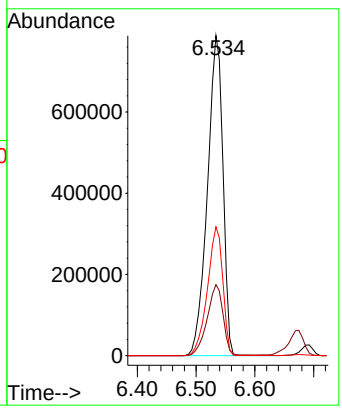




#7
Phenol-d6
Concen: 144.590 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 99 Resp: 144666

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	40.3	31.2	46.8



Instrument :
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ClientSampleId :
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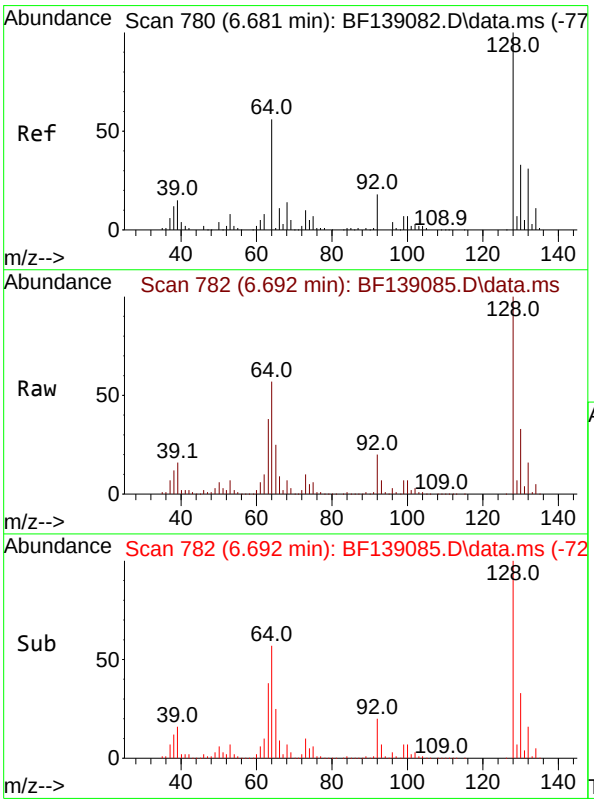
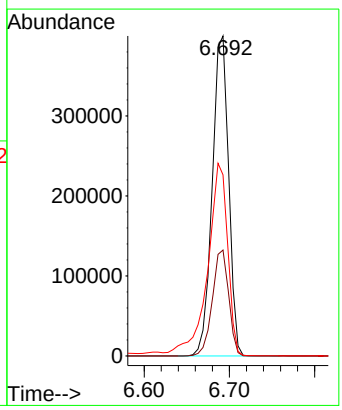
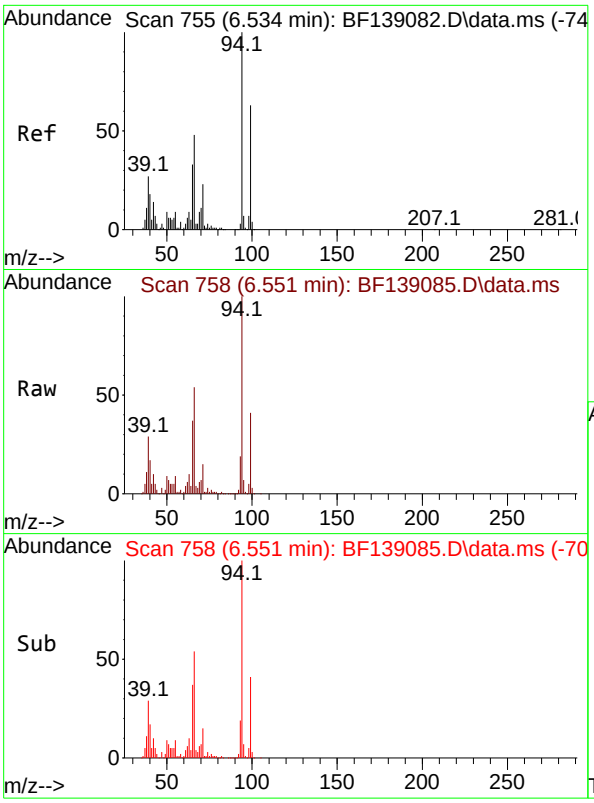


#8
2-Chlorophenol
Concen: 71.719 ng
RT: 6.692 min Scan# 782
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:128 Resp: 534146

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	56.6	39.1	79.1

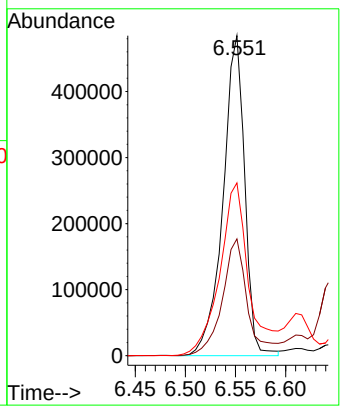




#10
Phenol
Concen: 70.014 ng
RT: 6.551 min Scan# 7
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 94 Resp: 72887

Ion	Ratio	Lower	Upper
94	100		
65	36.5	13.5	53.5
66	54.0	28.5	68.5



Instrument :
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ClientSampleId :
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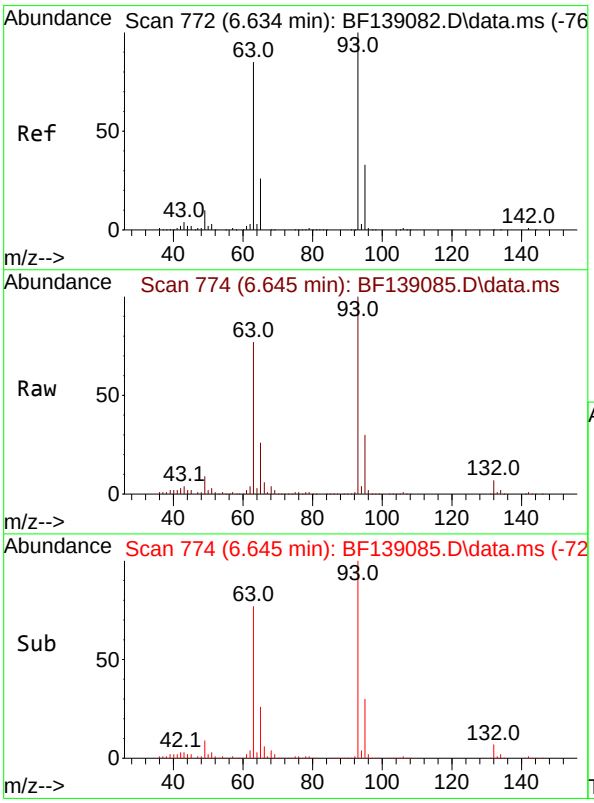
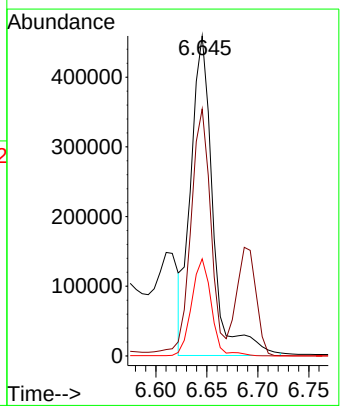
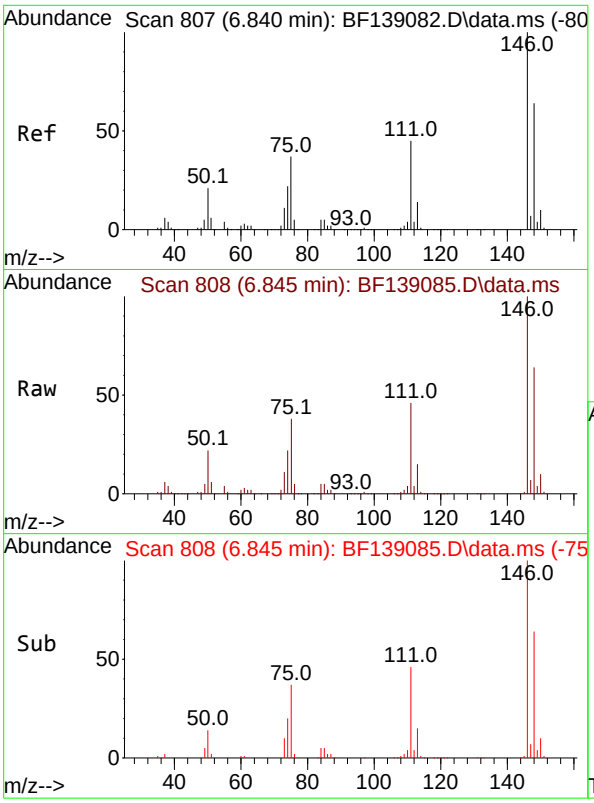


#11
bis(2-Chloroethyl)ether
Concen: 83.597 ng m
RT: 6.645 min Scan# 774
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 93 Resp: 697210

Ion	Ratio	Lower	Upper
93	100		
63	77.2	62.7	102.7
95	30.3	11.9	51.9





#12
1,3-Dichlorobenzene
Concen: 71.179 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:146 Resp: 63737

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	37.6	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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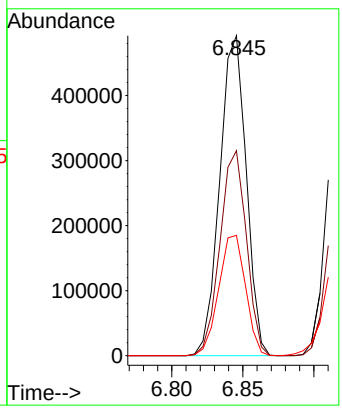
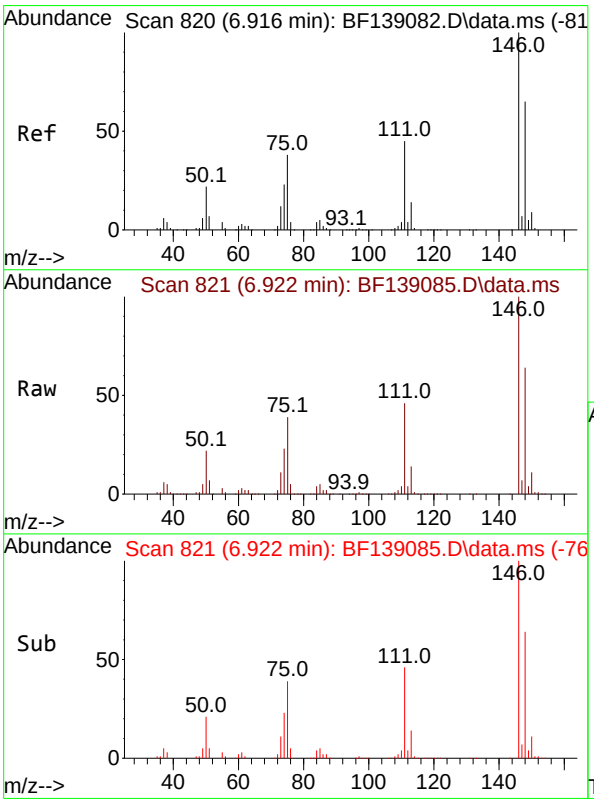
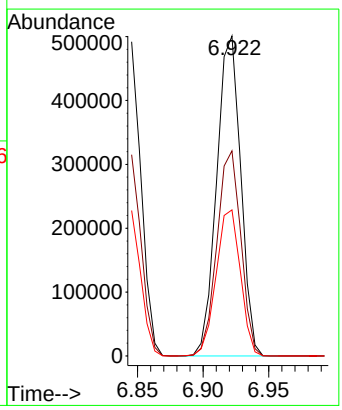


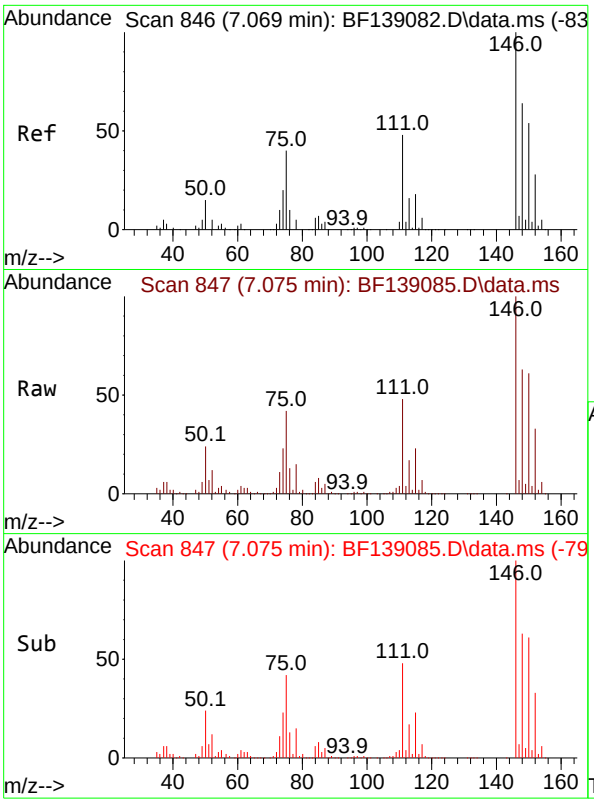


#13
1,4-Dichlorobenzene
Concen: 71.344 ng
RT: 6.922 min Scan# 821
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:146 Resp: 638746

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	45.7	35.8	53.6

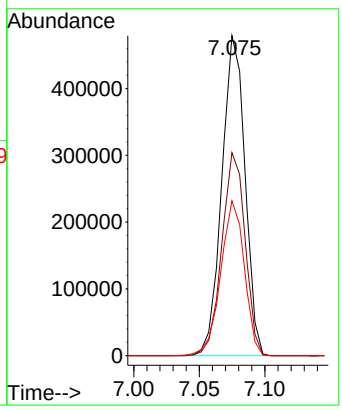




#14
1,2-Dichlorobenzene
Concen: 71.918 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:146 Resp: 58847

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
111	48.4	38.1	57.1



Instrument :
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ClientSampleId :
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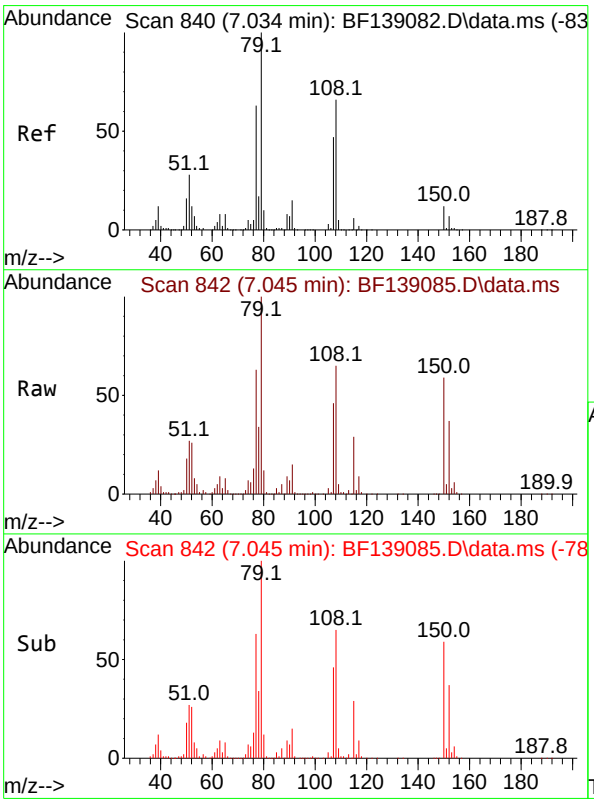
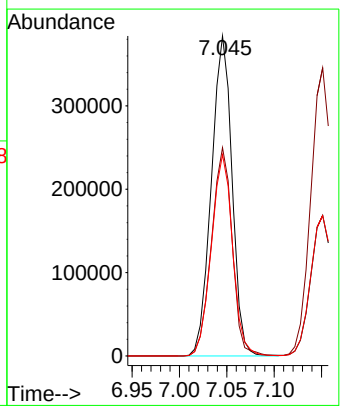
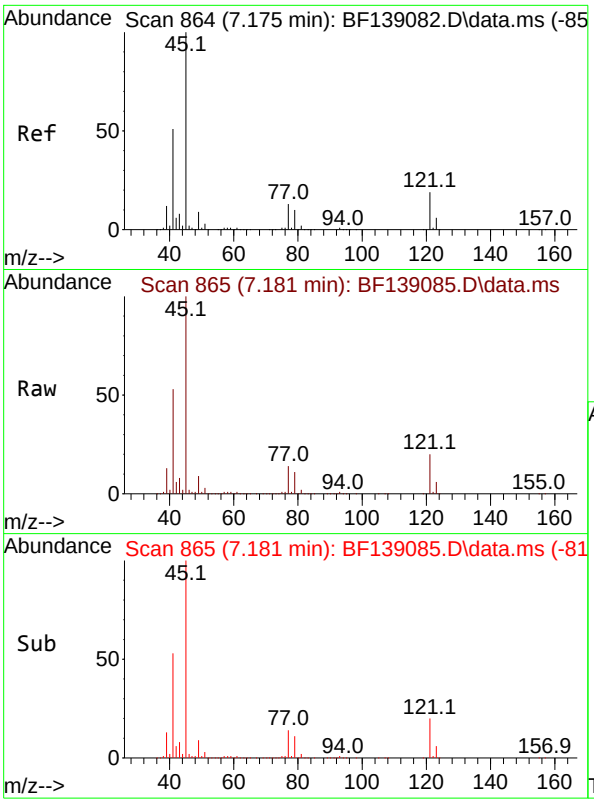


#15
Benzyl Alcohol
Concen: 73.626 ng
RT: 7.045 min Scan# 842
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 79 Resp: 582213

Ion	Ratio	Lower	Upper
79	100		
108	65.1	52.8	79.2
77	62.9	50.6	76.0

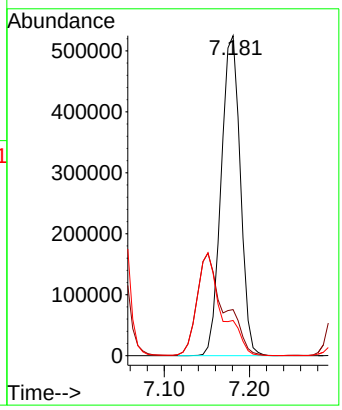




#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.379 ng
RT: 7.181 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 45 Resp: 81820

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	33.7
79	11.0	0.0	30.4



Instrument :
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ClientSampleId :
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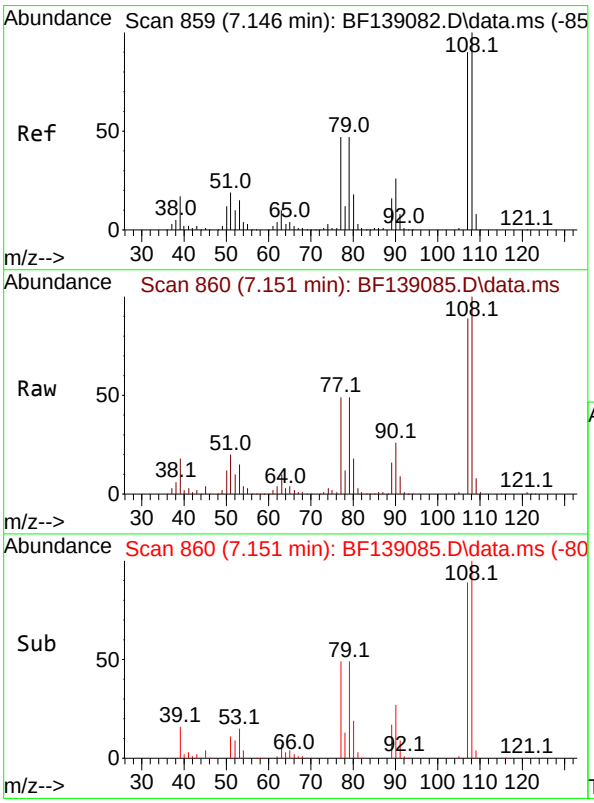
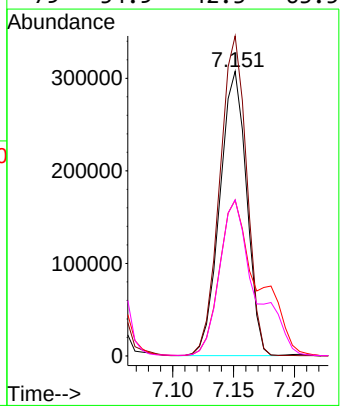
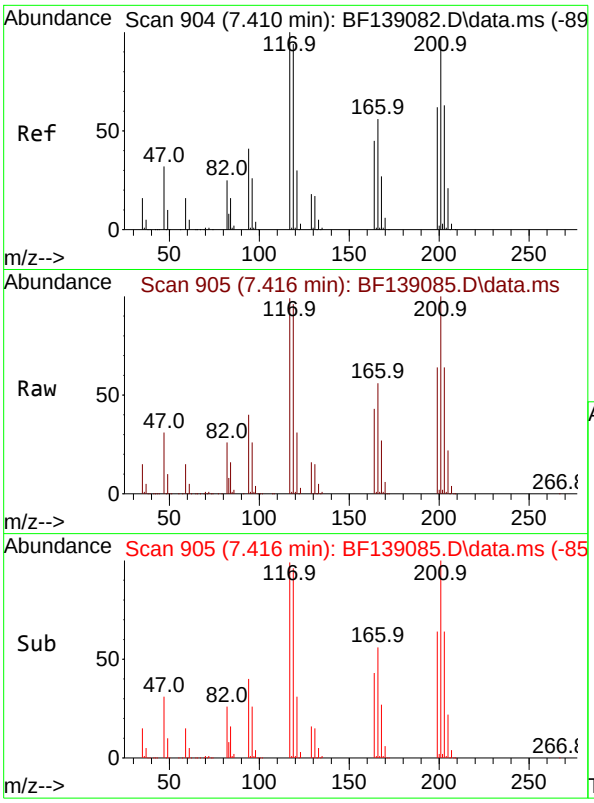


#17
2-Methylphenol
Concen: 73.991 ng
RT: 7.151 min Scan# 860
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:107 Resp: 471441

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.1	133.7
77	54.8	42.1	63.1
79	54.9	42.3	63.5

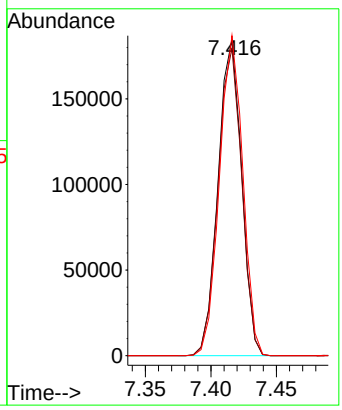




#18
Hexachloroethane
Concen: 73.457 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:117 Resp: 23061

Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.5	113.3
201	101.1	77.8	116.8



Instrument :
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ClientSampleId :
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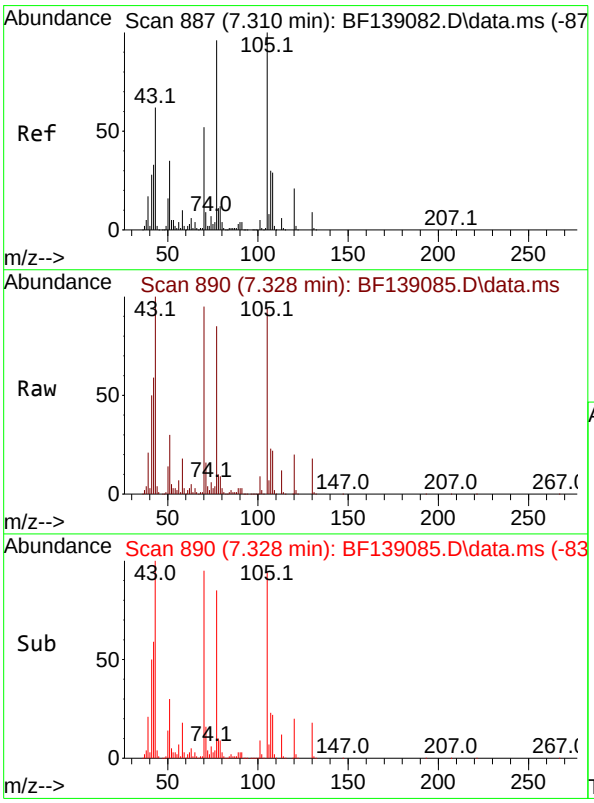
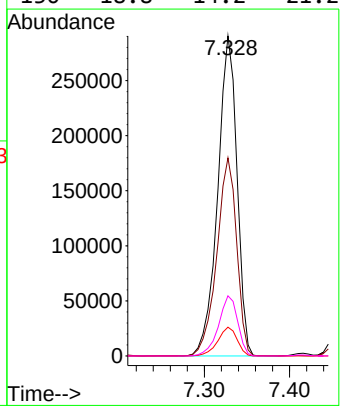
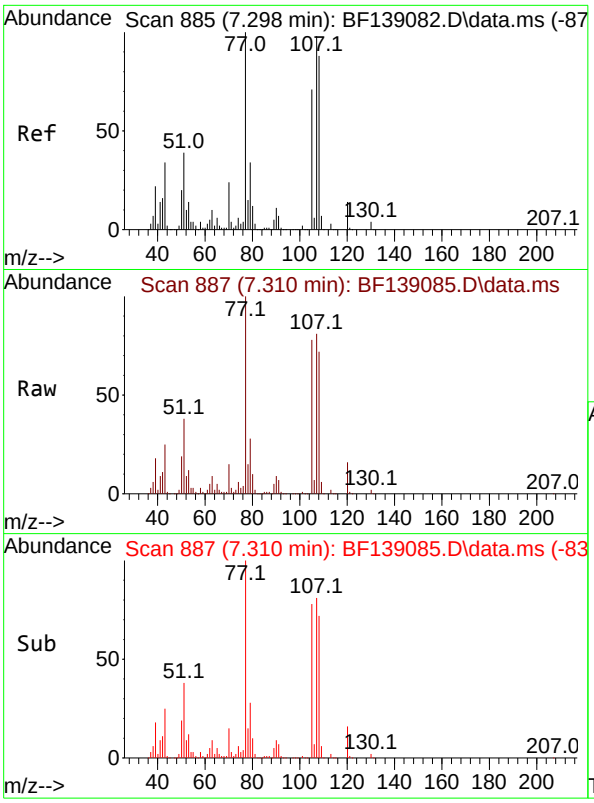


#19
n-Nitroso-di-n-propylamine
Concen: 69.653 ng
RT: 7.328 min Scan# 890
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 70 Resp: 457650

Ion	Ratio	Lower	Upper
70	100		
42	61.9	50.5	75.7
101	9.0	7.2	10.8
130	18.8	14.2	21.2

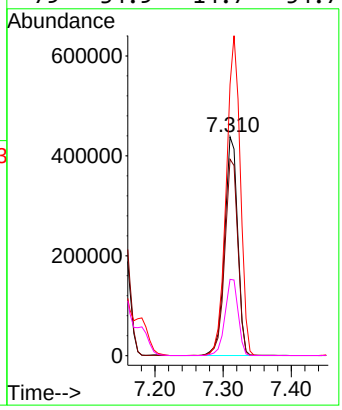




#20
3+4-Methylphenols
Concen: 70.843 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:107 Resp: 58482

Ion	Ratio	Lower	Upper
107	100		
108	89.8	70.2	110.2
77	123.9	82.7	122.7
79	34.9	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
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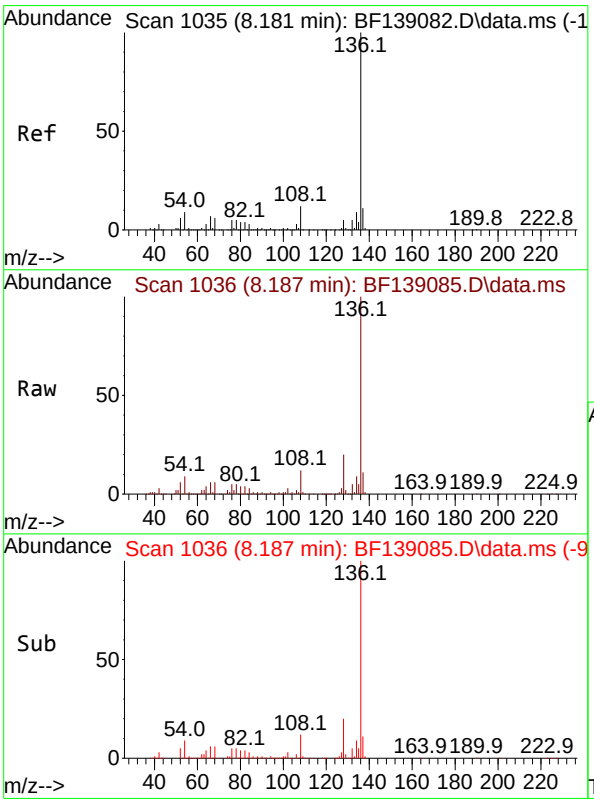
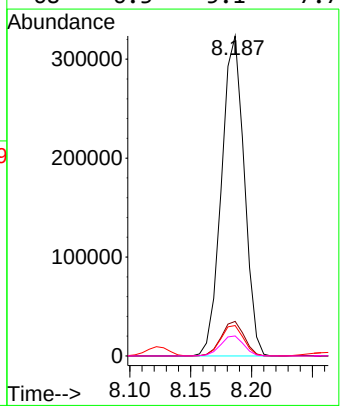
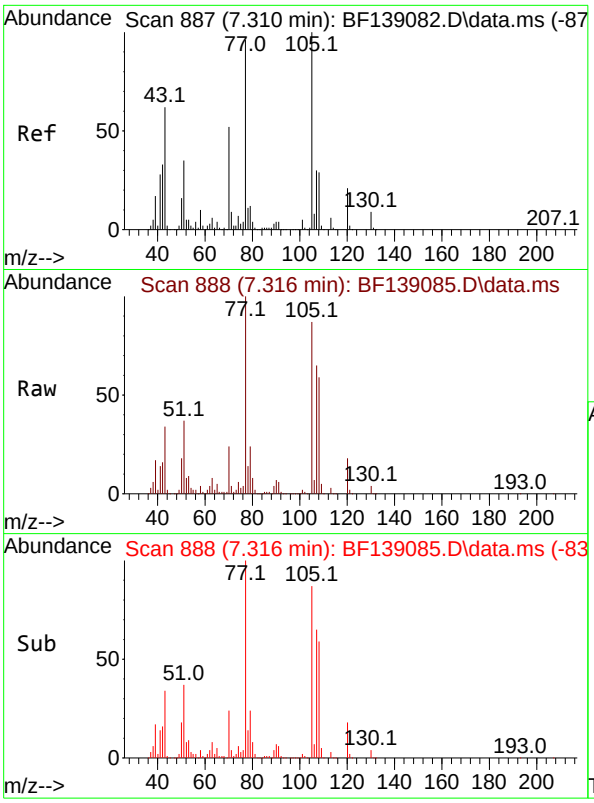


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1036
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:136 Resp: 419100

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.5	7.6	11.4
68	6.3	5.1	7.7

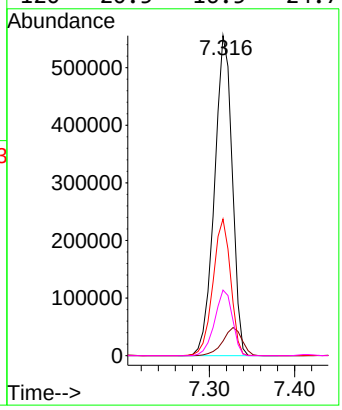




#22
Acetophenone
Concen: 75.267 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:105 Resp: 80542

Ion	Ratio	Lower	Upper
105	100		
71	4.6	7.0	10.6#
51	42.7	28.0	42.0#
120	20.5	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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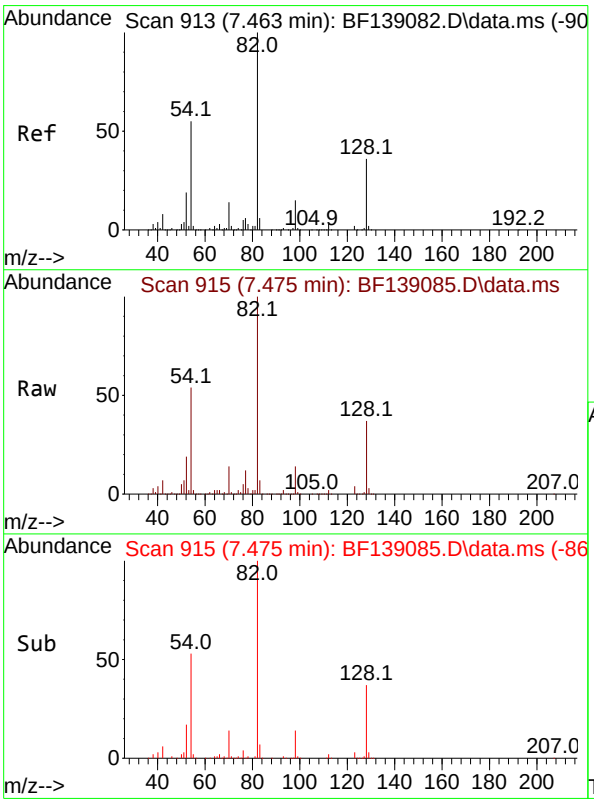
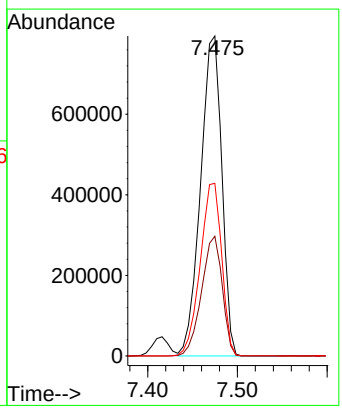
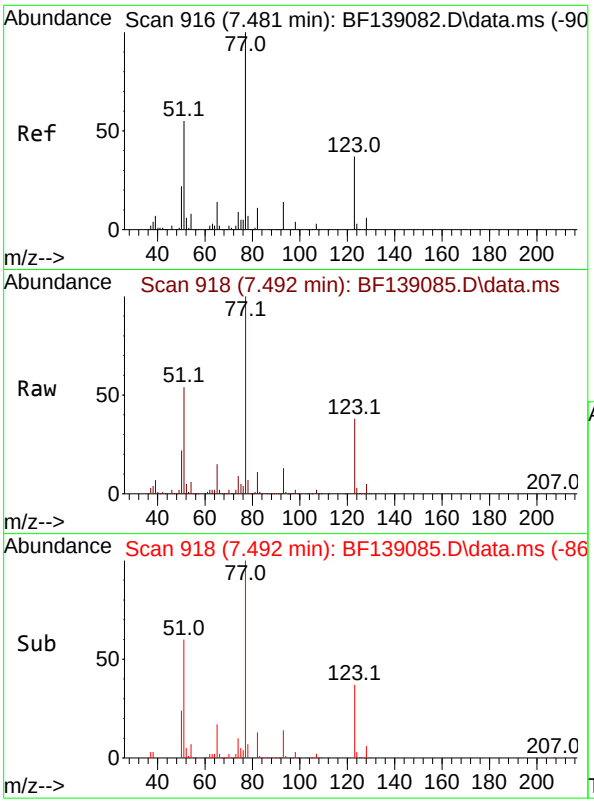


#23
Nitrobenzene-d5
Concen: 181.276 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 82 Resp: 1303808

Ion	Ratio	Lower	Upper
82	100		
128	37.4	29.0	43.4
54	54.0	43.4	65.2

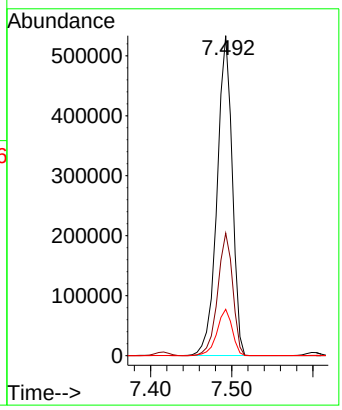




#24
Nitrobenzene
Concen: 86.615 ng
RT: 7.492 min Scan# 9
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 77 Resp: 69244

Ion	Ratio	Lower	Upper
77	100		
123	38.3	30.3	45.5
65	14.5	11.3	16.9



Instrument :
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ClientSampleId :
SSTDICC080

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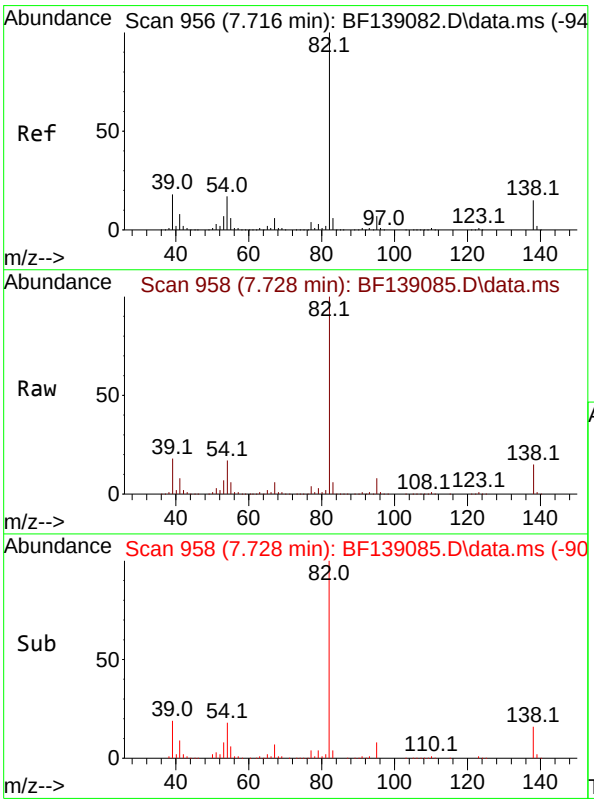
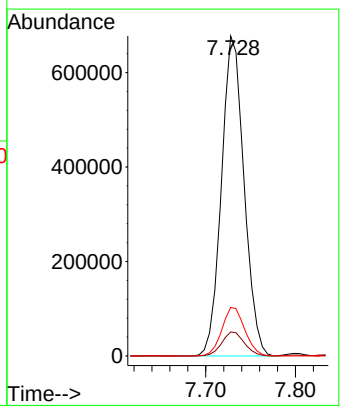
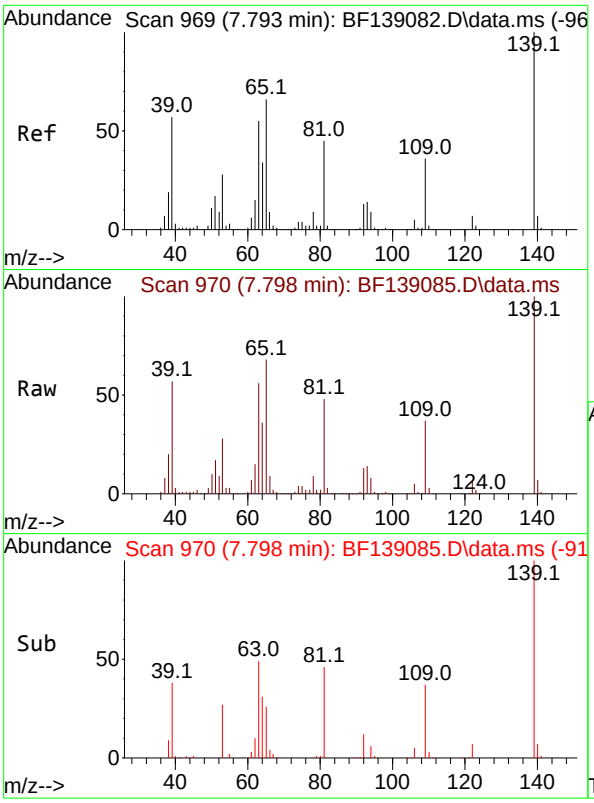


#25
Isophorone
Concen: 77.435 ng
RT: 7.728 min Scan# 958
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 82 Resp: 1183760

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	15.2	11.8	17.8





#26
2-Nitrophenol
Concen: 82.278 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.005 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:139 Resp: 24197

Ion	Ratio	Lower	Upper
139	100		
109	37.2	29.2	43.8
65	67.6	52.7	79.1

Instrument :
BNA_F
ClientSampleId :
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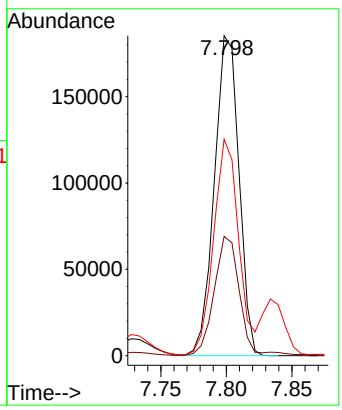
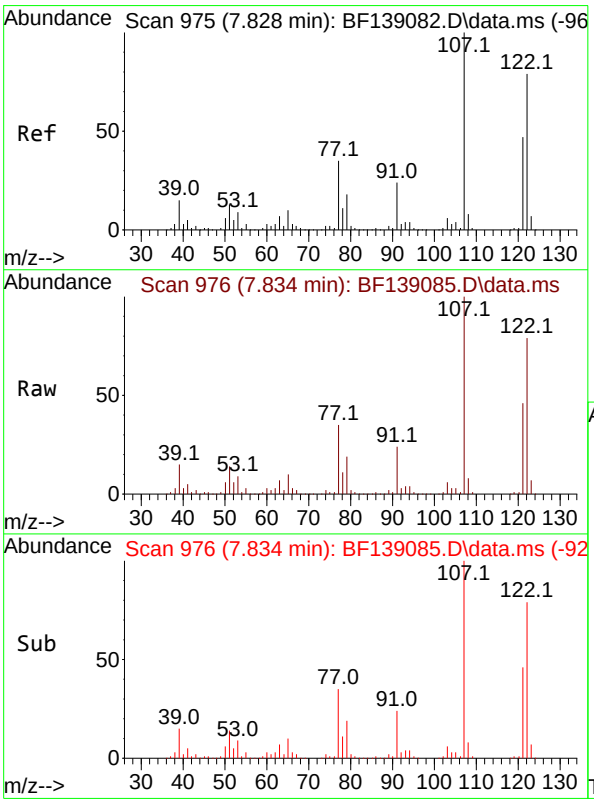
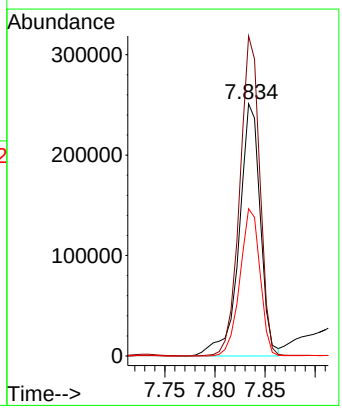


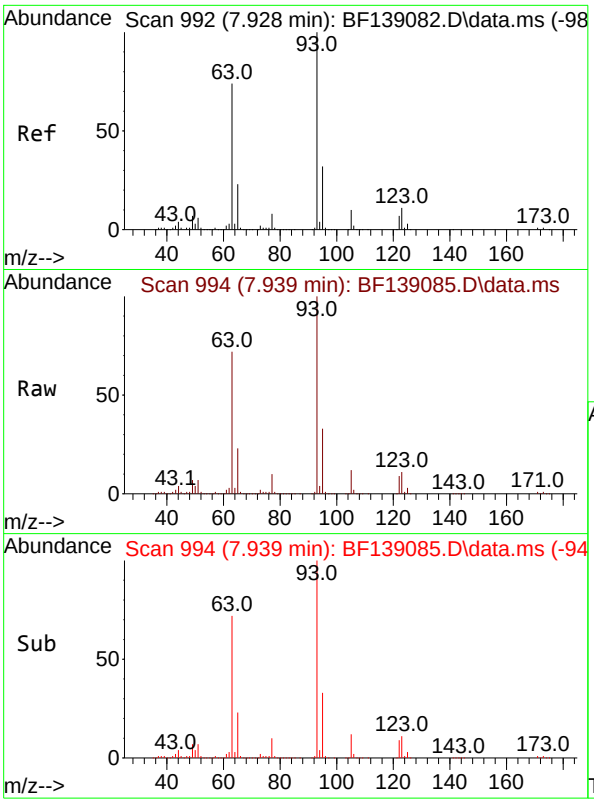


#27
2,4-Dimethylphenol
Concen: 76.193 ng
RT: 7.834 min Scan# 976
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:122 Resp: 369357

Ion	Ratio	Lower	Upper
122	100		
107	126.9	101.1	151.7
121	58.4	47.5	71.3





#28
bis(2-Chloroethoxy)methane
Concen: 74.518 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 93 Resp: 66562

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	11.2	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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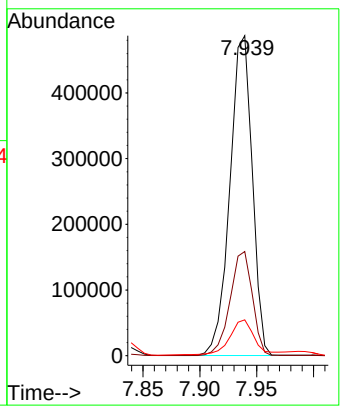
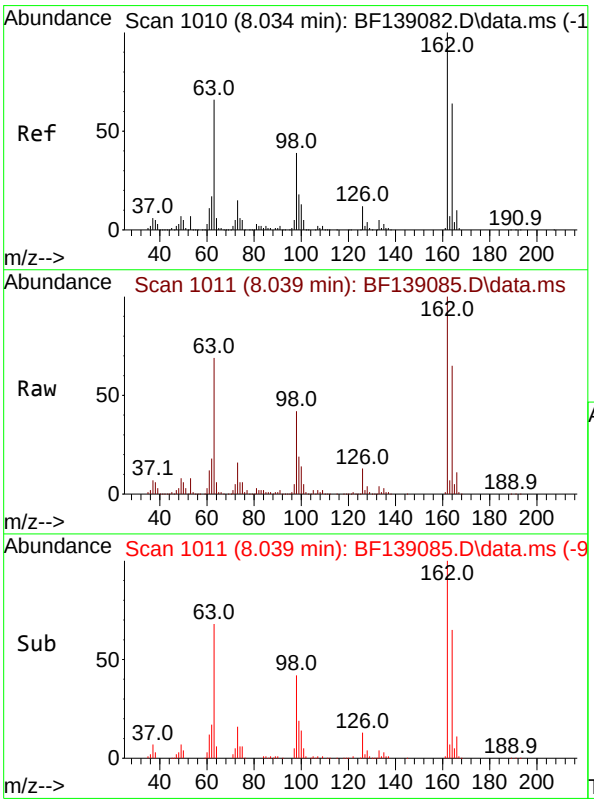
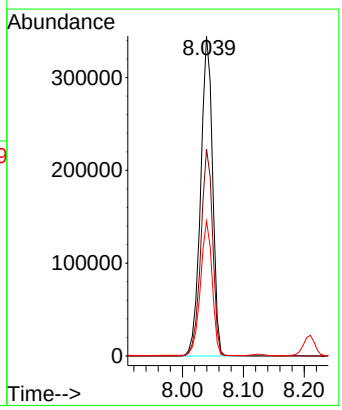


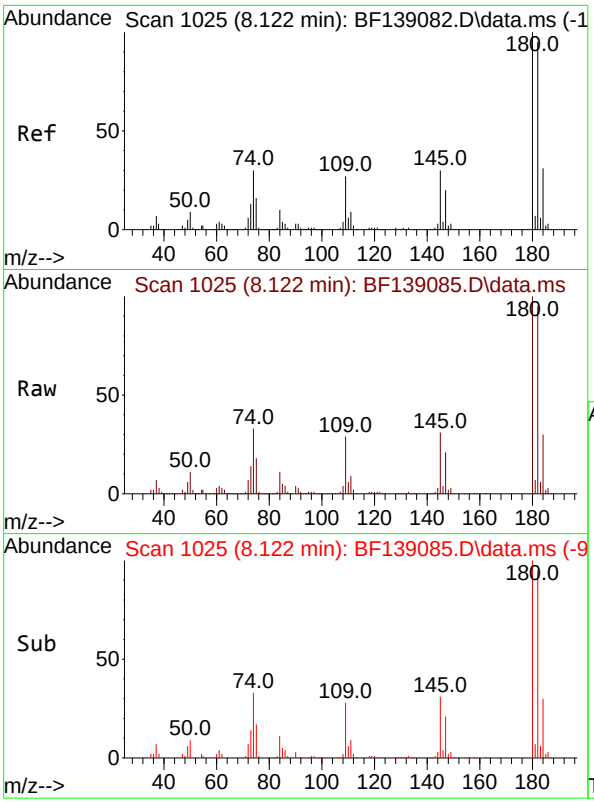


#29
2,4-Dichlorophenol
Concen: 77.769 ng
RT: 8.039 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:162 Resp: 469669

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.9	83.9
98	42.1	19.7	59.7

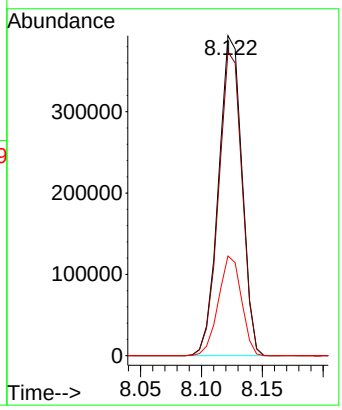




#30
1,2,4-Trichlorobenzene
Concen: 74.479 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:180 Resp: 52668

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.1	114.1
145	31.2	23.9	35.9



Instrument :
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ClientSampleId :
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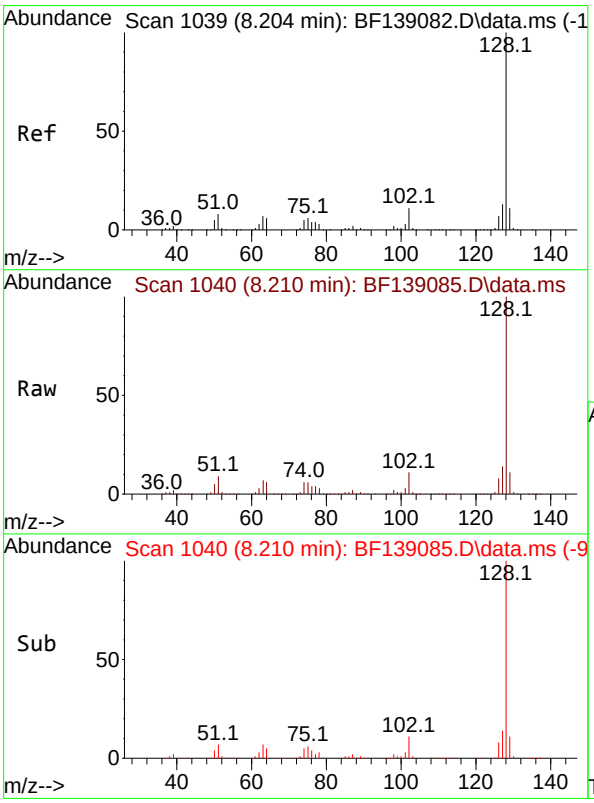
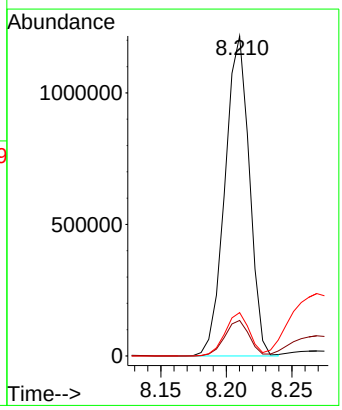
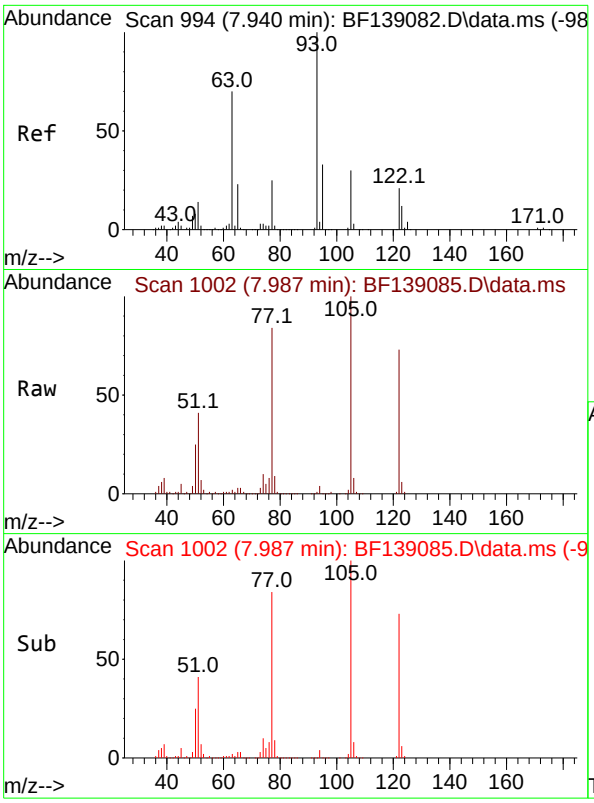


#31
Naphthalene
Concen: 73.993 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:128 Resp: 1571455

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.7	16.1

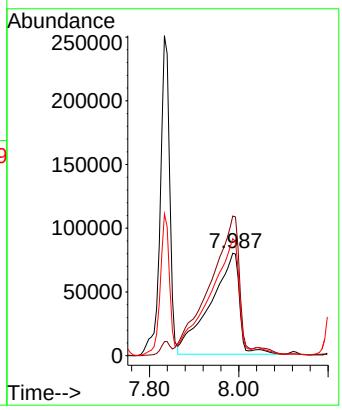




#32
Benzoic acid
Concen: 80.763 ng m
RT: 7.987 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:122 Resp: 35879

Ion	Ratio	Lower	Upper
122	100		
105	136.3	119.6	159.6
77	114.3	97.6	137.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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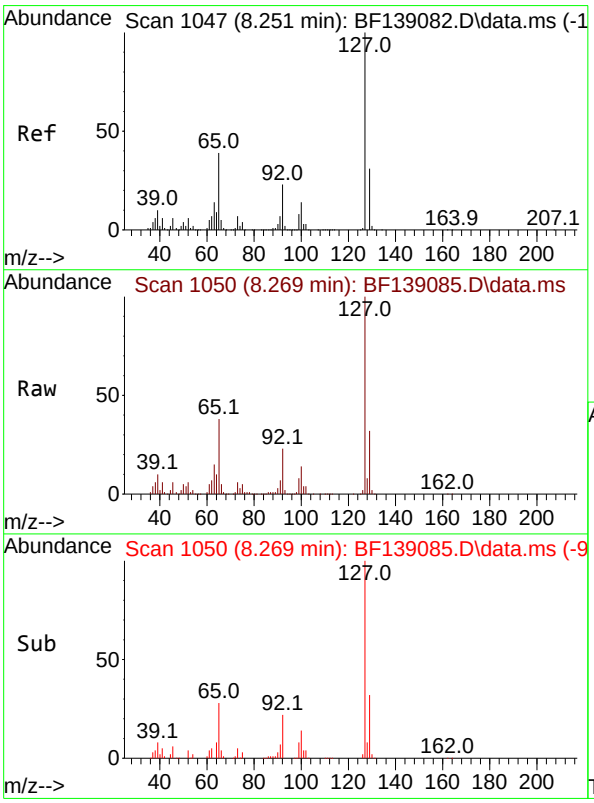
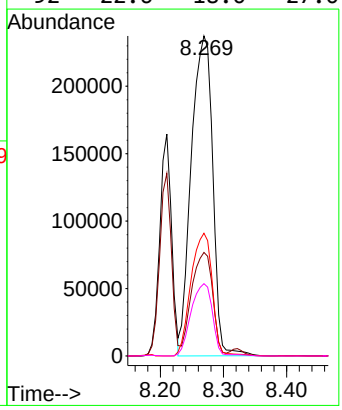
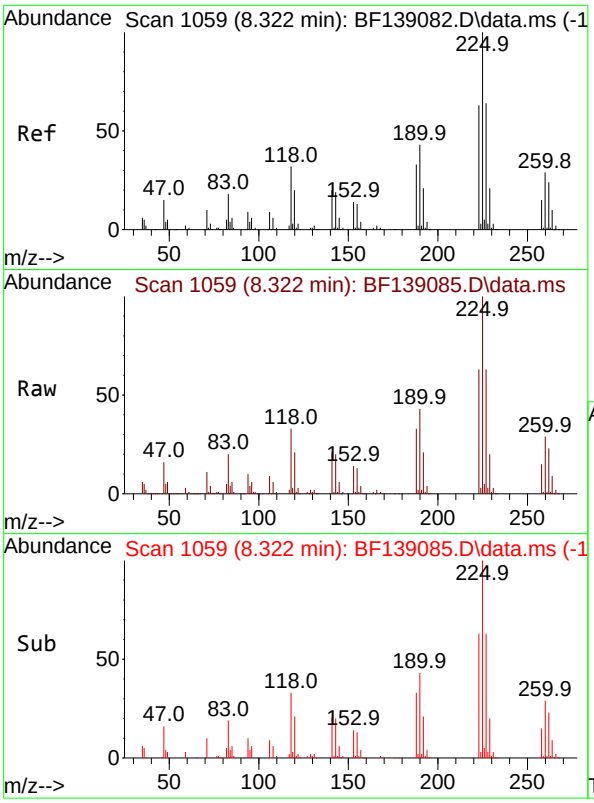


#33
4-Chloroaniline
Concen: 77.099 ng
RT: 8.269 min Scan# 1050
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:127 Resp: 560781

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	38.3	30.3	45.5
92	22.6	18.0	27.0





#34
Hexachlorobutadiene
Concen: 75.609 ng
RT: 8.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:225 Resp: 34927

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	63.2	51.4	77.2

Instrument :
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ClientSampleId :
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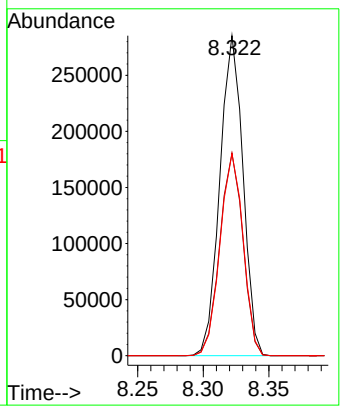
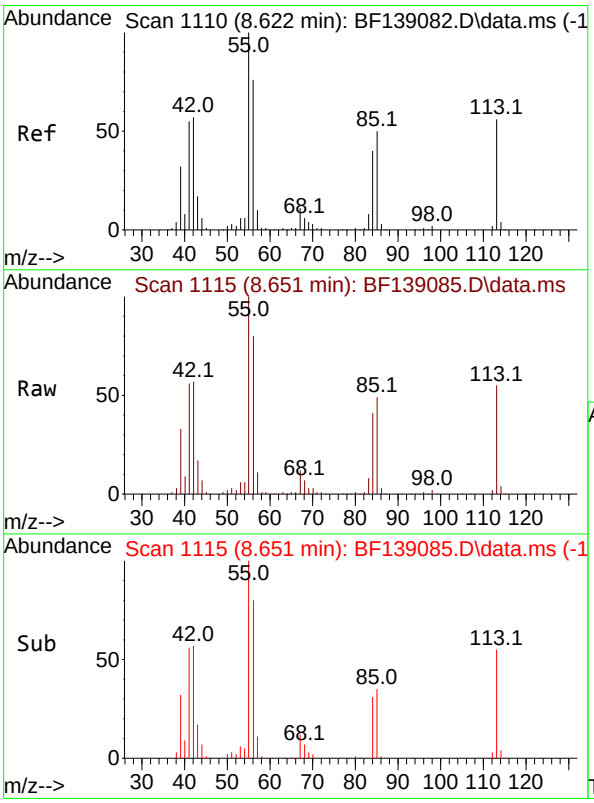
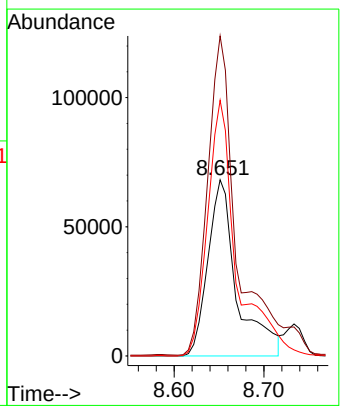


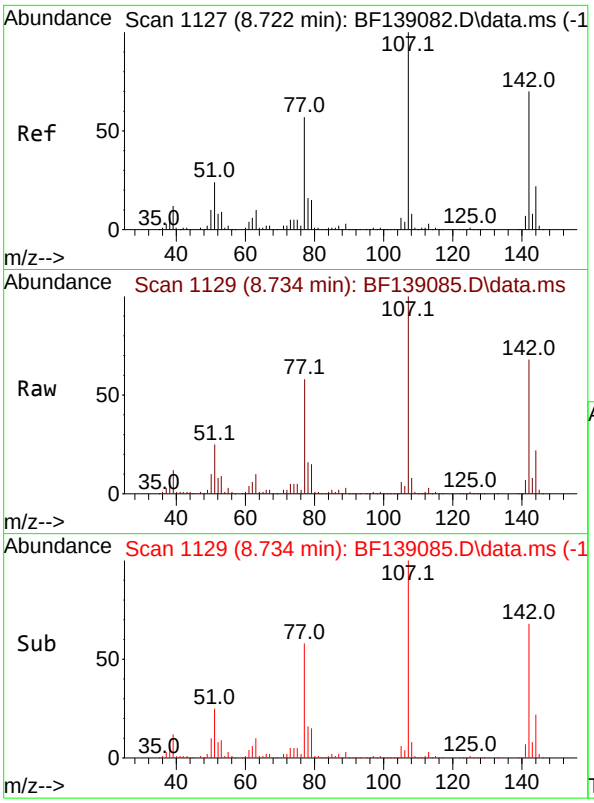


#35
Caprolactam
Concen: 79.912 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.029 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:113 Resp: 152988

Ion	Ratio	Lower	Upper
113	100		
55	181.6	158.6	198.6
56	145.1	115.9	155.9

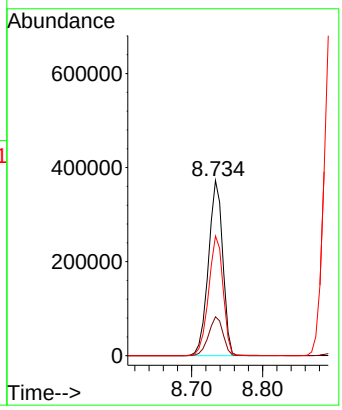




#36
4-Chloro-3-methylphenol
Concen: 78.405 ng
RT: 8.734 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:107 Resp: 52428

Ion	Ratio	Lower	Upper
107	100		
144	22.2	17.7	26.5
142	68.4	55.6	83.4



Instrument :
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ClientSampleId :
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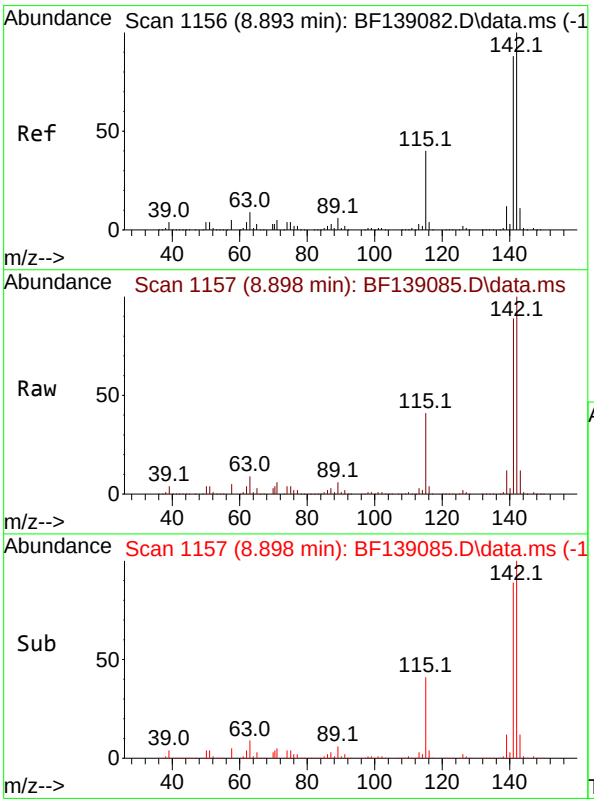
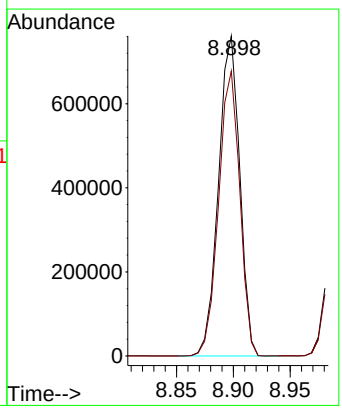
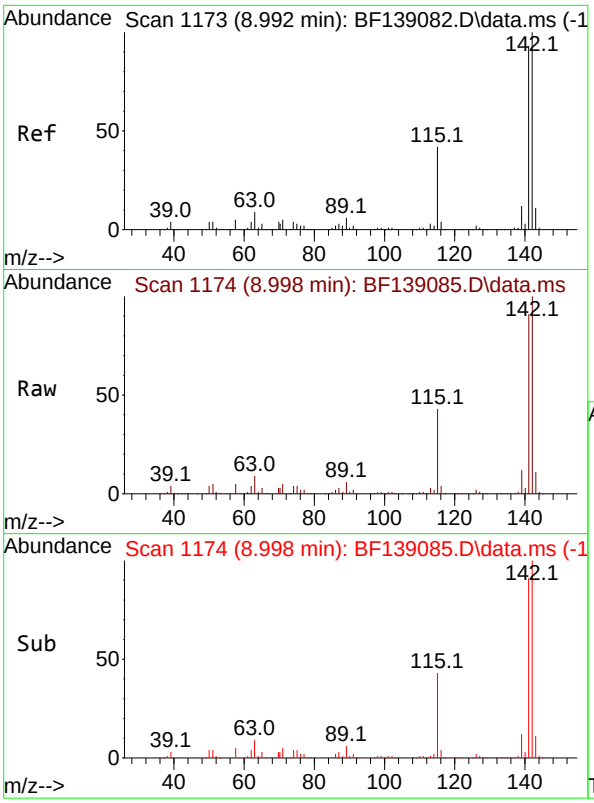


#37
2-Methylnaphthalene
Concen: 72.575 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:142 Resp: 988647

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	105.8

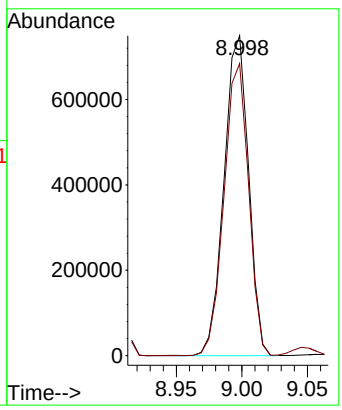




#38
1-Methylnaphthalene
Concen: 74.301 ng
RT: 8.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:142 Resp: 97686

Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.1	111.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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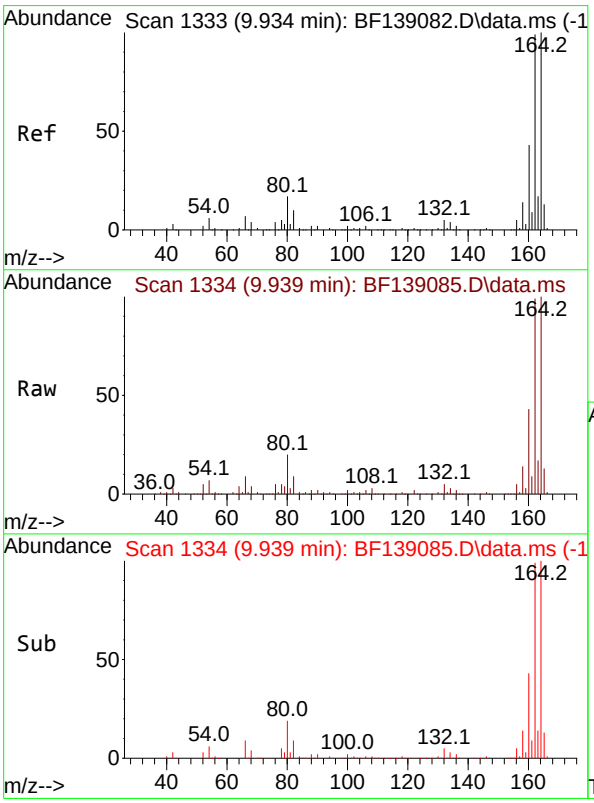
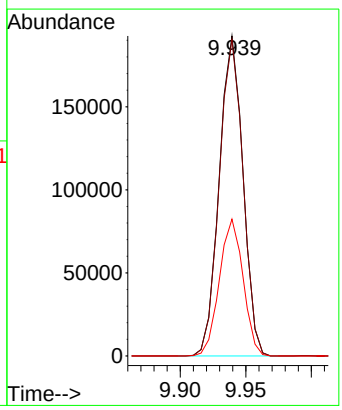
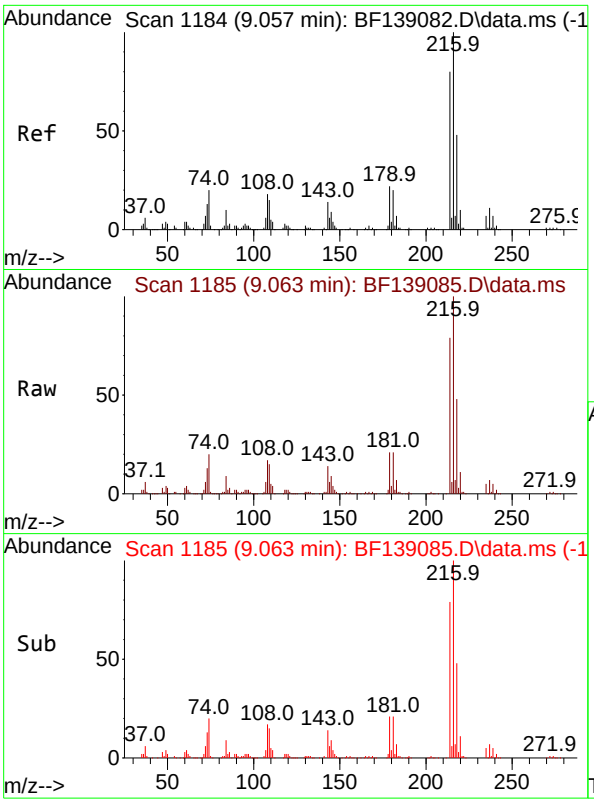


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1334
Delta R.T. 0.005 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:164 Resp: 242021

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.5	119.3
160	42.7	34.5	51.7

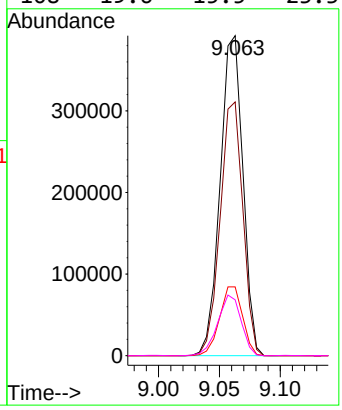




#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.265 ng
RT: 9.063 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:216 Resp: 50972

Ion	Ratio	Lower	Upper
216	100		
214	79.3	64.2	96.2
179	21.8	17.4	26.2
108	19.6	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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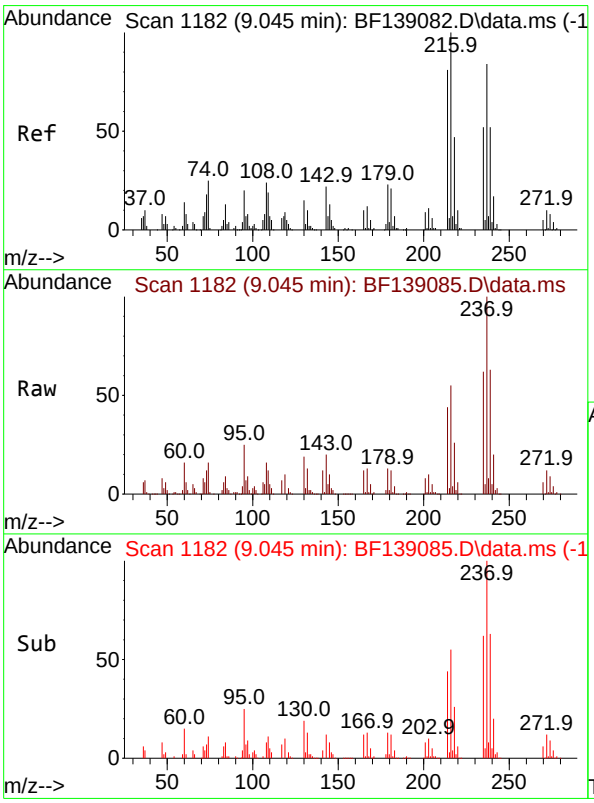
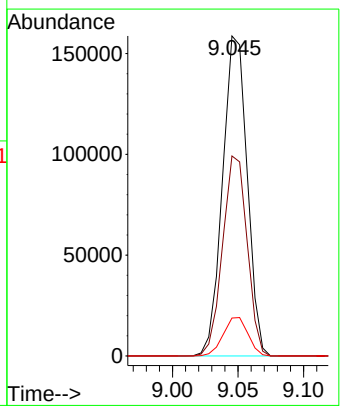
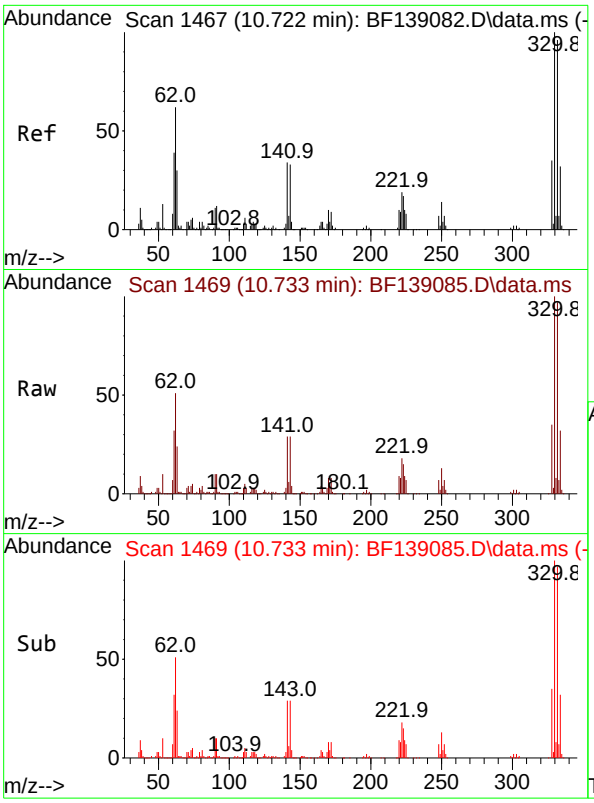


#41
Hexachlorocyclopentadiene
Concen: 81.380 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:237 Resp: 207241

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.5	82.5
272	11.8	0.0	32.0

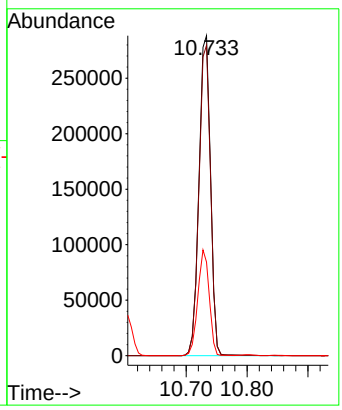




#42
2,4,6-Tribromophenol
Concen: 172.322 ng
RT: 10.733 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:330 Resp: 37755

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.8	27.5	41.3



Instrument :
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ClientSampleId :
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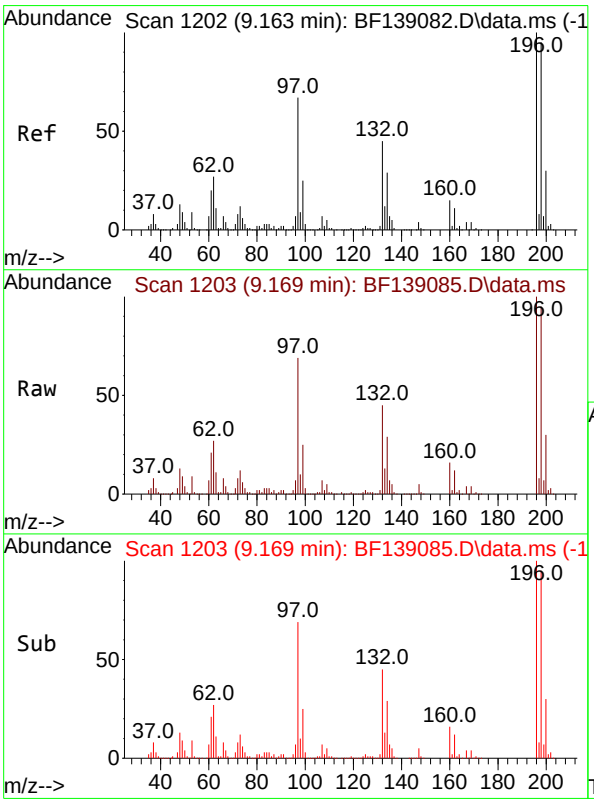
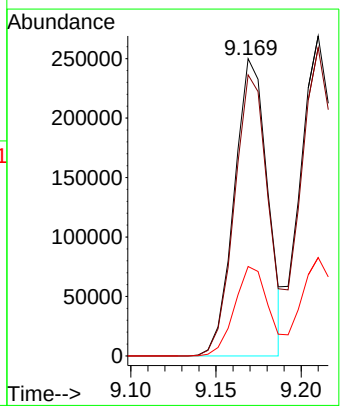
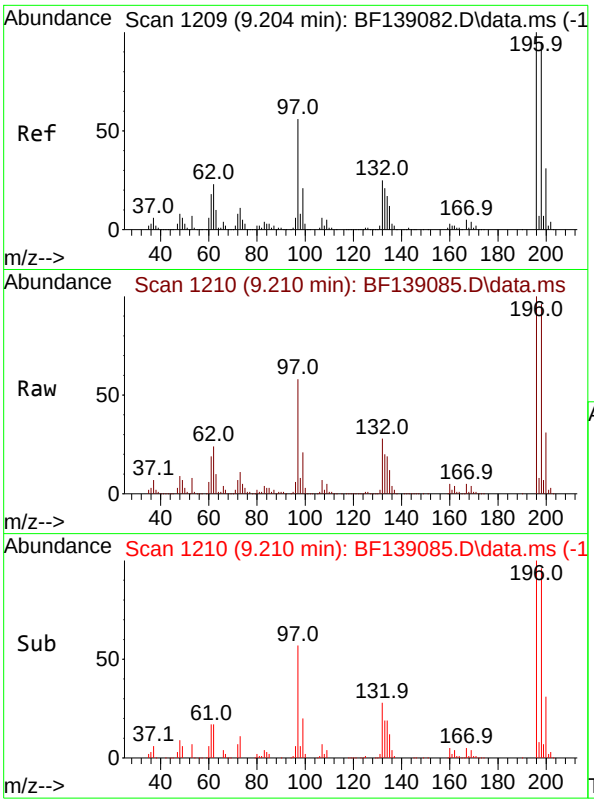


#43
2,4,6-Trichlorophenol
Concen: 75.883 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:196 Resp: 339303

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.4	114.6
200	30.1	23.8	35.8

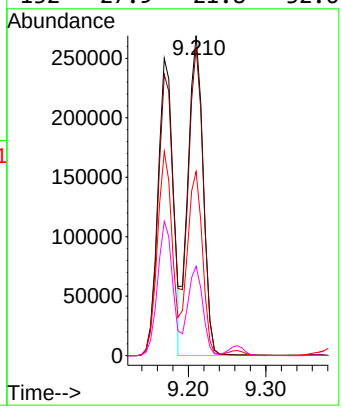




#44
2,4,5-Trichlorophenol
Concen: 80.042 ng
RT: 9.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:196 Resp: 36737

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.6	114.8
97	57.5	44.6	67.0
132	27.9	21.8	32.6



Instrument :
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ClientSampleId :
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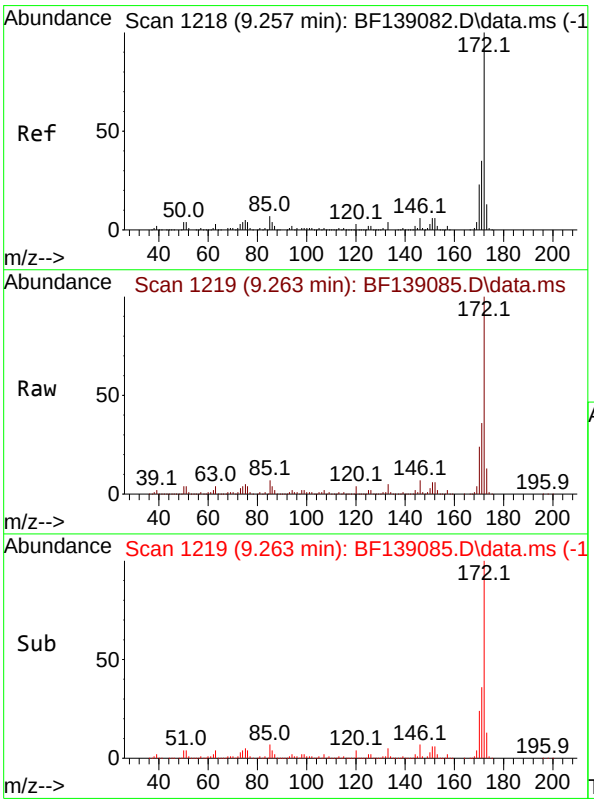
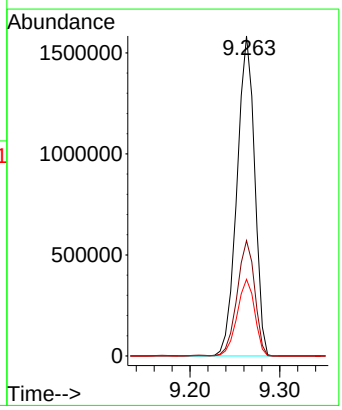
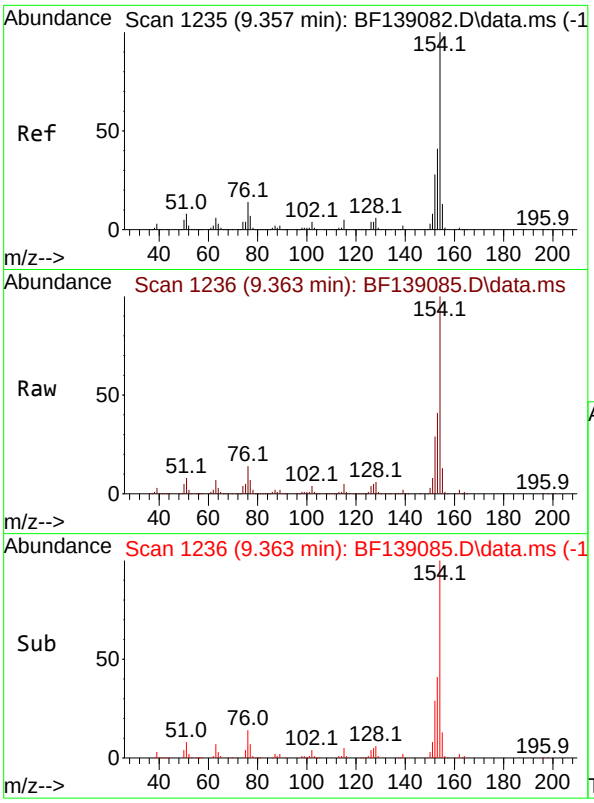


#45
2-Fluorobiphenyl
Concen: 141.721 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:172 Resp: 2161810

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.4	42.6
170	24.0	18.8	28.2

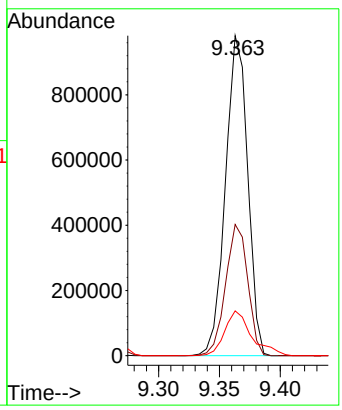




#46
1,1'-Biphenyl
Concen: 75.109 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:154 Resp: 124523

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.6	60.6
76	14.0	0.0	33.6



Instrument :
BNA_F
ClientSampleId :
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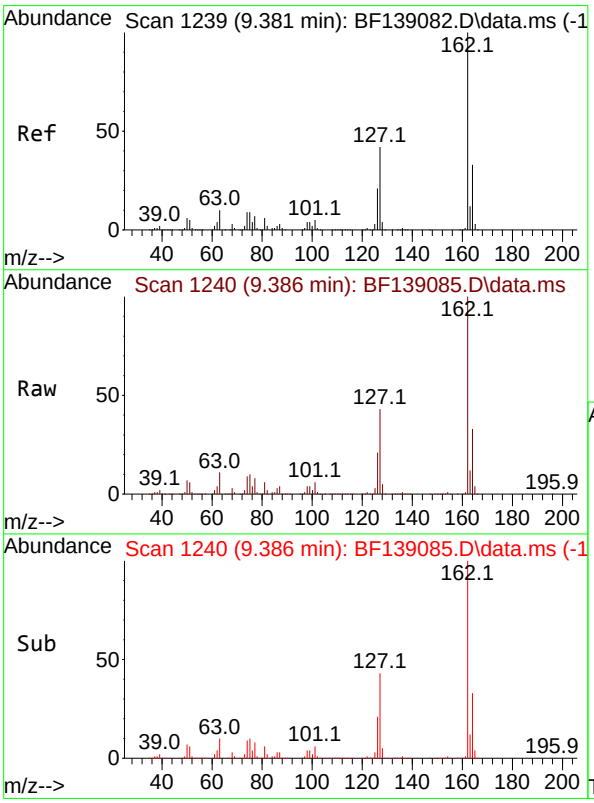
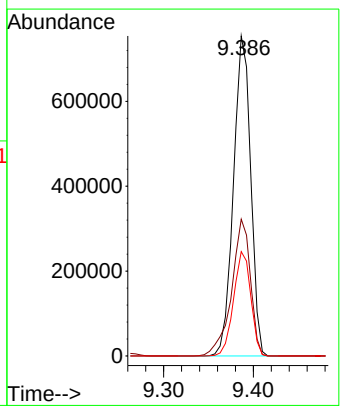
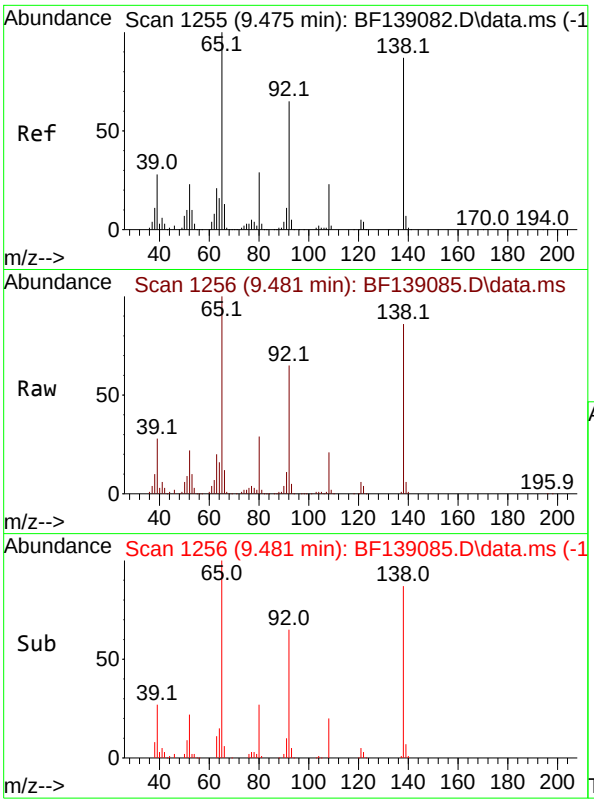


#47
2-Chloronaphthalene
Concen: 74.569 ng
RT: 9.386 min Scan# 1240
Delta R.T. 0.005 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:162 Resp: 1004510

Ion	Ratio	Lower	Upper
162	100		
127	42.8	33.8	50.6
164	32.6	26.3	39.5





#48
2-Nitroaniline
Concen: 82.036 ng
RT: 9.481 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 65 Resp: 33428

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.4	78.6
138	86.4	69.4	104.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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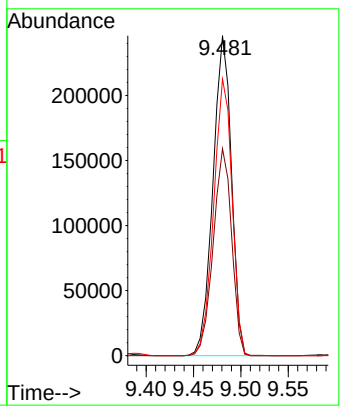
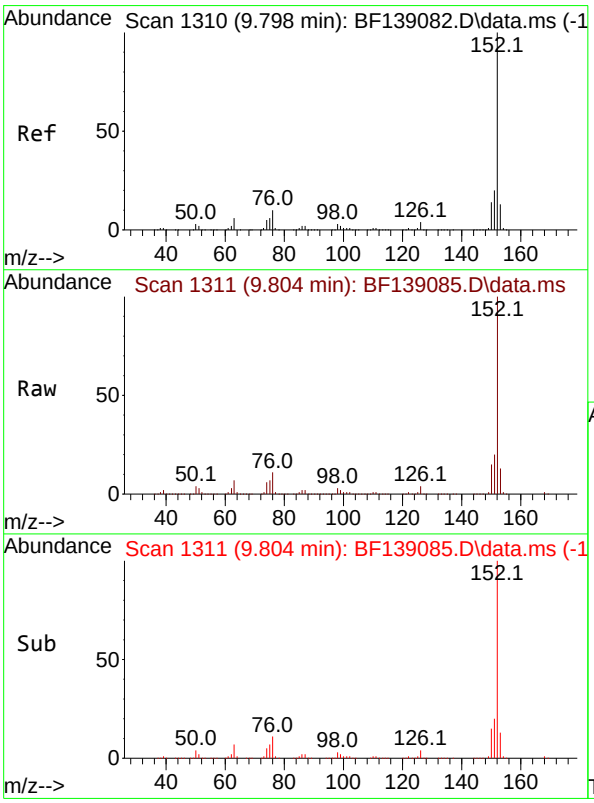
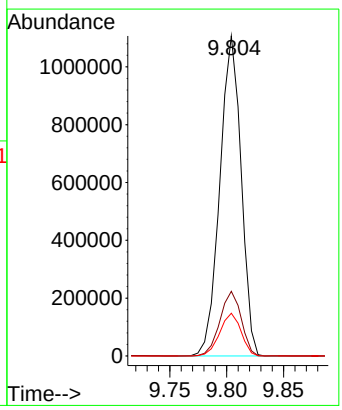


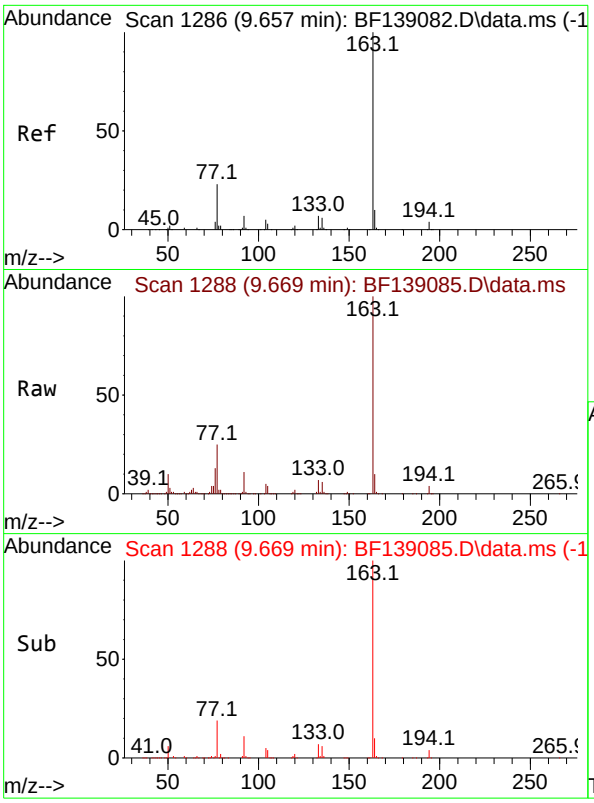


#49
Acenaphthylene
Concen: 74.784 ng
RT: 9.804 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:152 Resp: 1443121

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.6	15.8

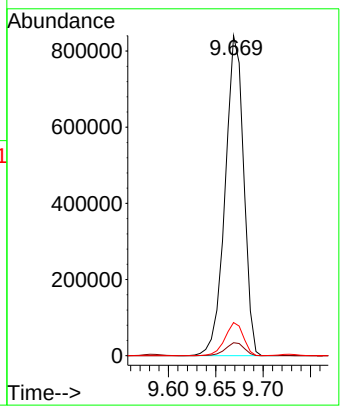




#50
Dimethylphthalate
Concen: 76.696 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:163 Resp: 114594

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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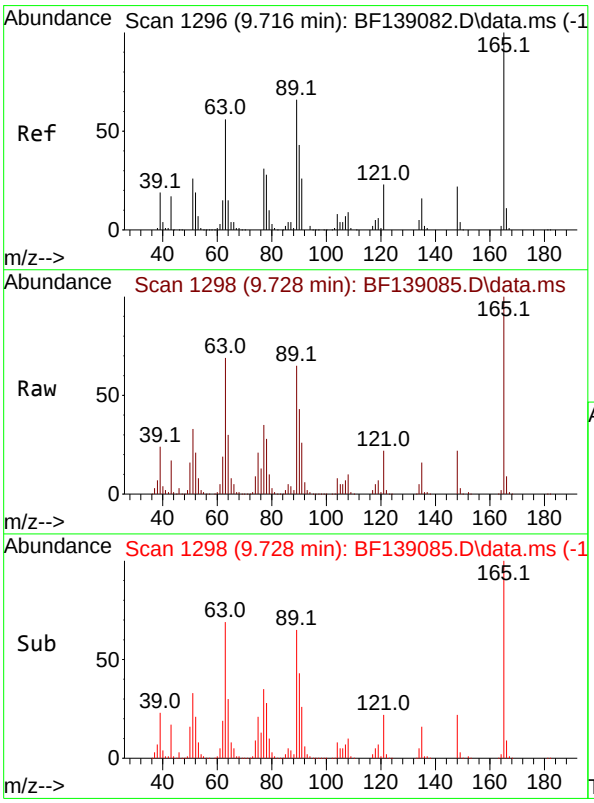
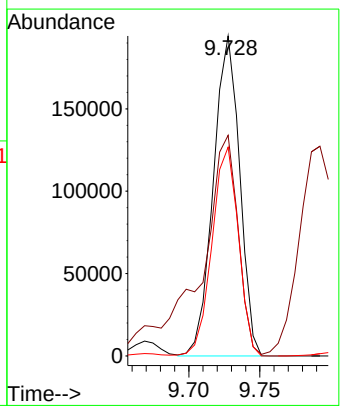
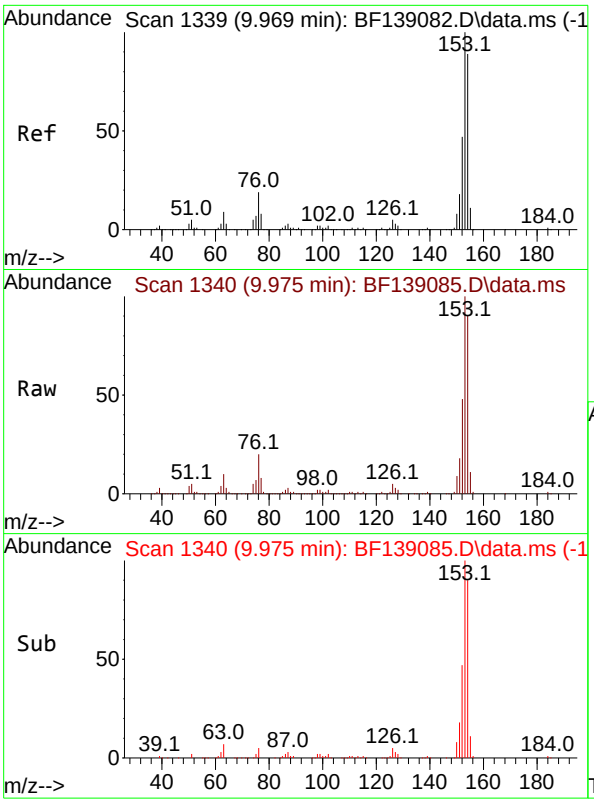


#51
2,6-Dinitrotoluene
Concen: 80.164 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:165 Resp: 250261

Ion	Ratio	Lower	Upper
165	100		
63	68.9	58.0	87.0
89	65.2	53.3	79.9

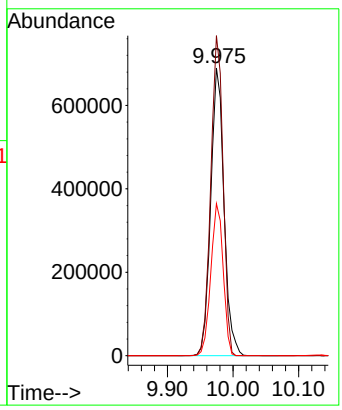




#52
Acenaphthene
Concen: 76.056 ng
RT: 9.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:154 Resp: 96949

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.7	134.5
152	52.9	42.3	63.5



Instrument :
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ClientSampleId :
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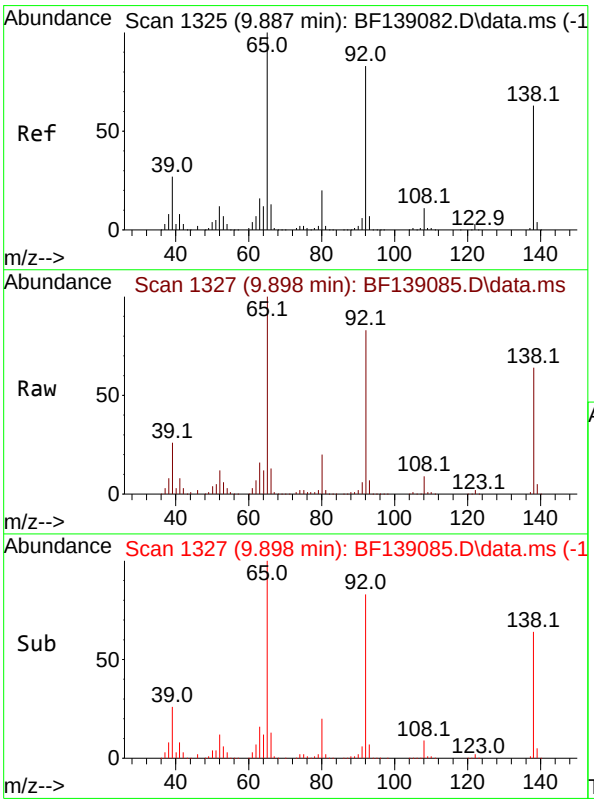
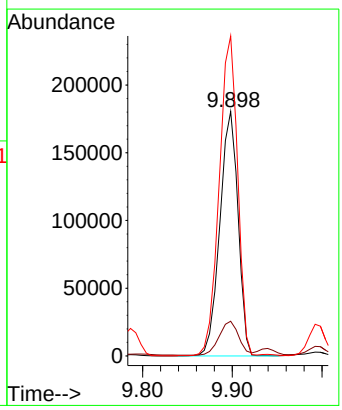
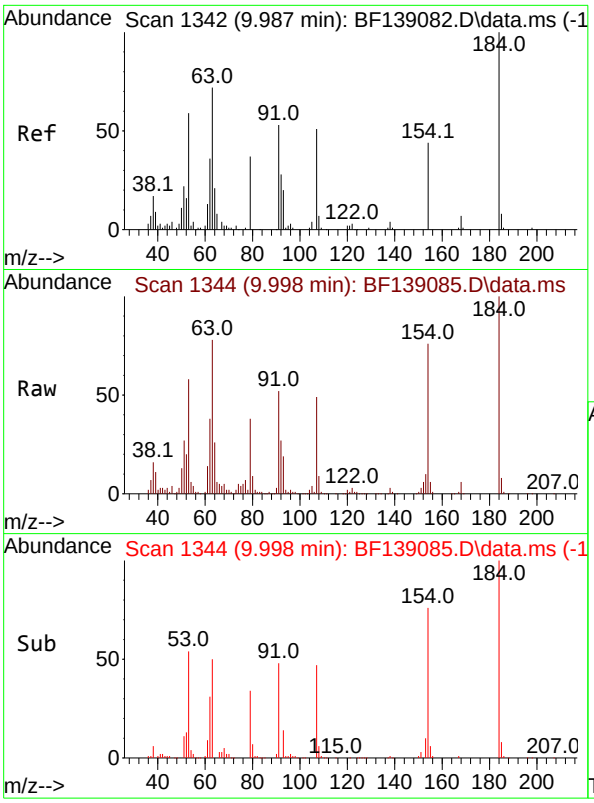


#53
3-Nitroaniline
Concen: 80.737 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:138 Resp: 254287

Ion	Ratio	Lower	Upper
138	100		
108	14.2	14.6	21.8#
92	130.9	105.9	158.9

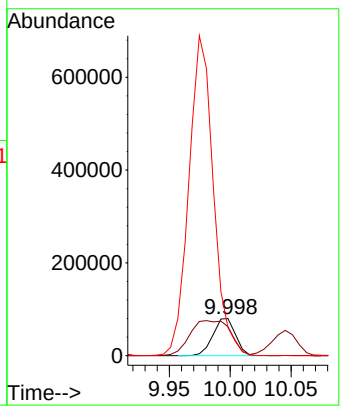




#54
2,4-Dinitrophenol
Concen: 79.421 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:184 Resp: 10371

Ion	Ratio	Lower	Upper
184	100		
63	78.2	70.5	105.7
154	76.1	135.0	202.6#



Instrument :
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ClientSampleId :
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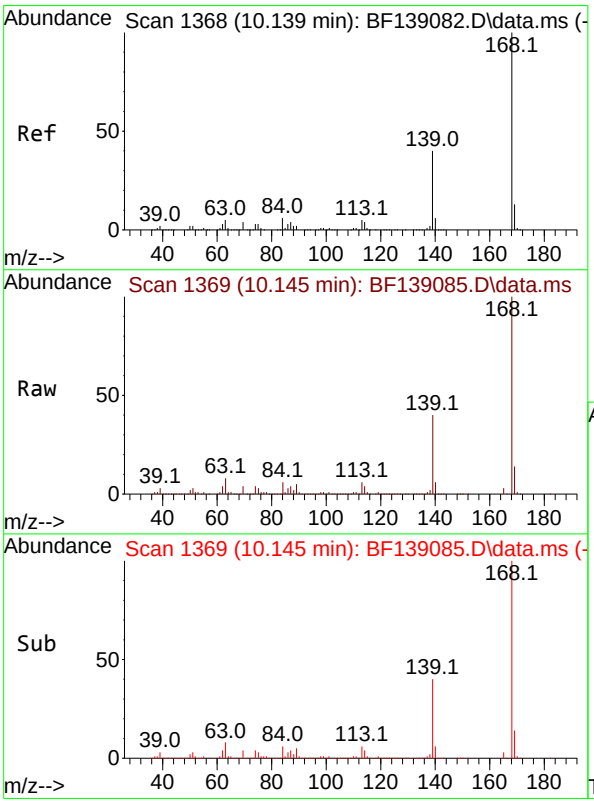
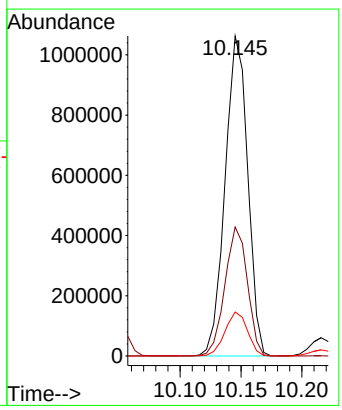
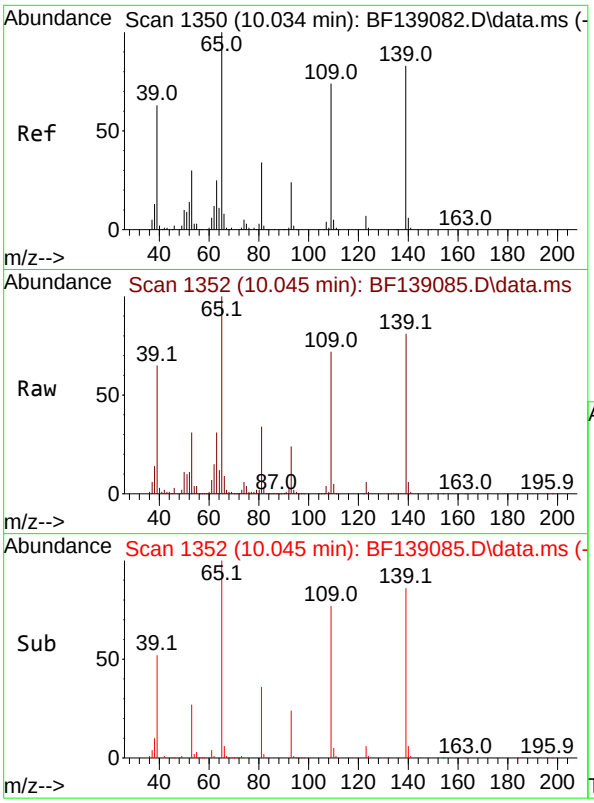


#55
Dibenzofuran
Concen: 74.168 ng
RT: 10.145 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:168 Resp: 1373209

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.6	47.4
169	13.8	10.7	16.1

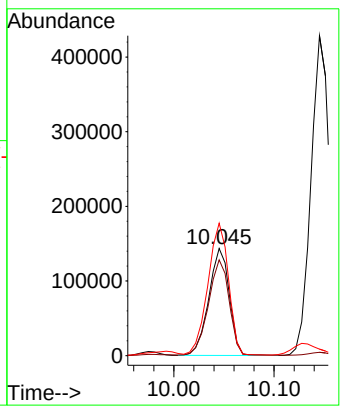




#56
4-Nitrophenol
Concen: 90.256 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:139 Resp: 20384

Ion	Ratio	Lower	Upper
139	100		
109	89.3	68.8	108.8
65	123.6	101.3	141.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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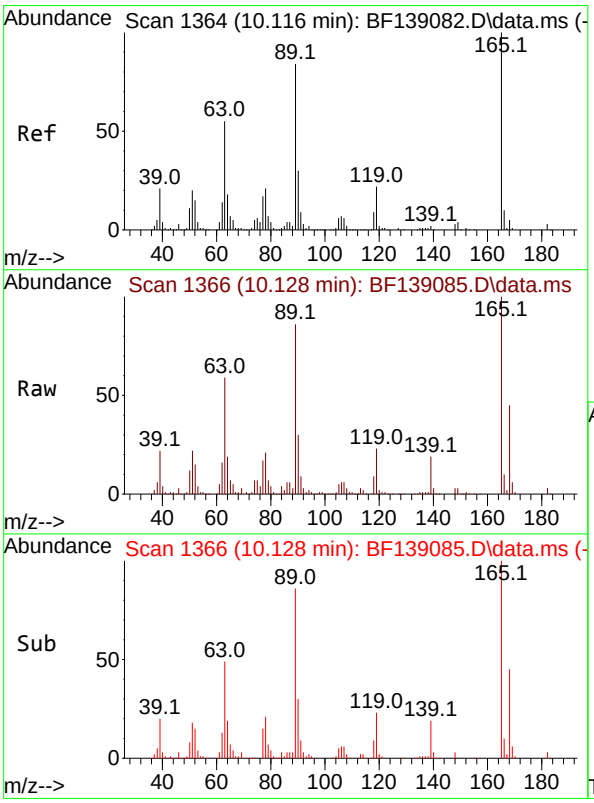
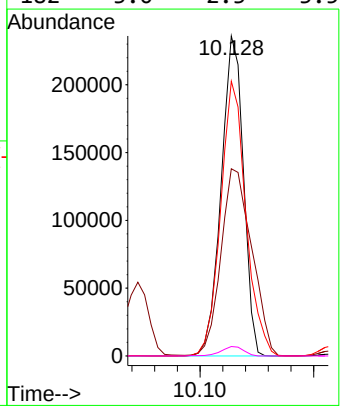
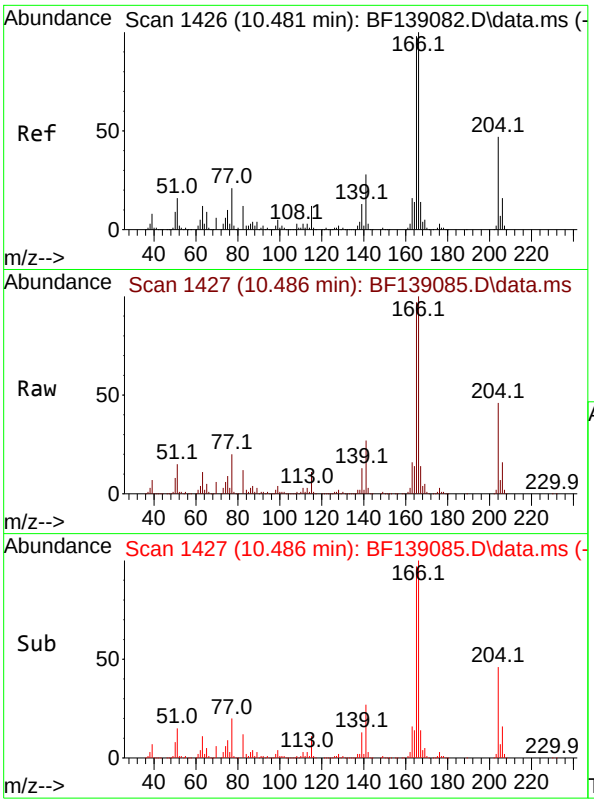


#57
2,4-Dinitrotoluene
Concen: 81.030 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:165 Resp: 320658

Ion	Ratio	Lower	Upper
165	100		
63	58.5	44.2	66.4
89	85.9	67.4	101.2
182	3.0	2.3	3.5

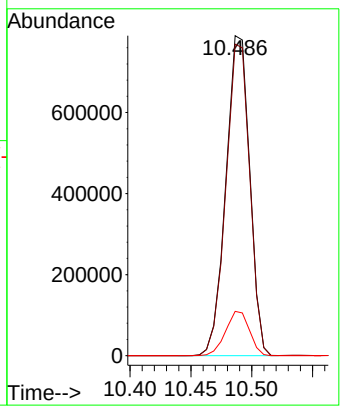




#58
Fluorene
Concen: 72.990 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:166 Resp: 107999

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.0	117.0
167	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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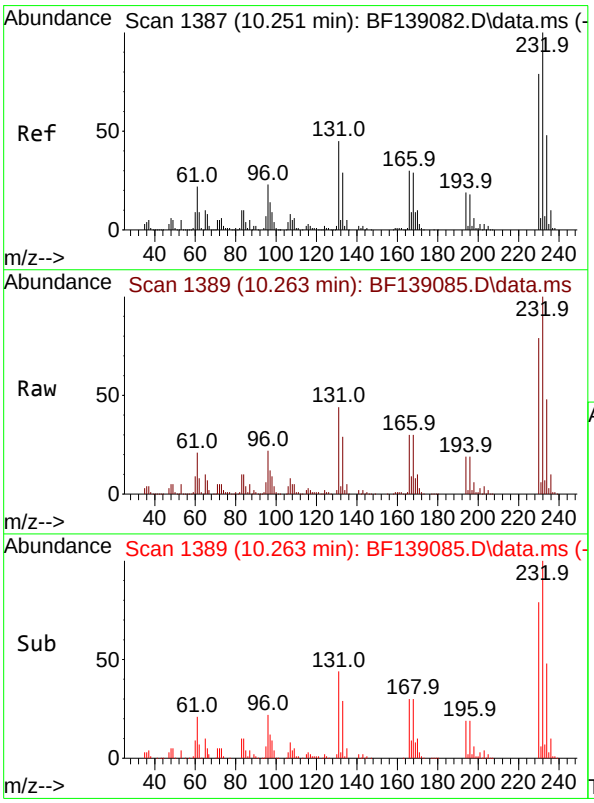
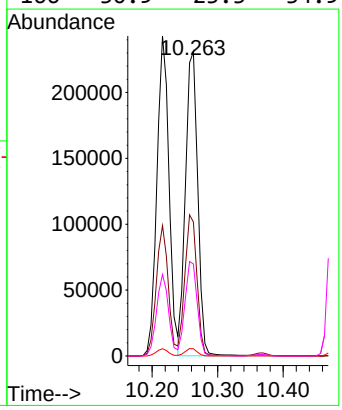
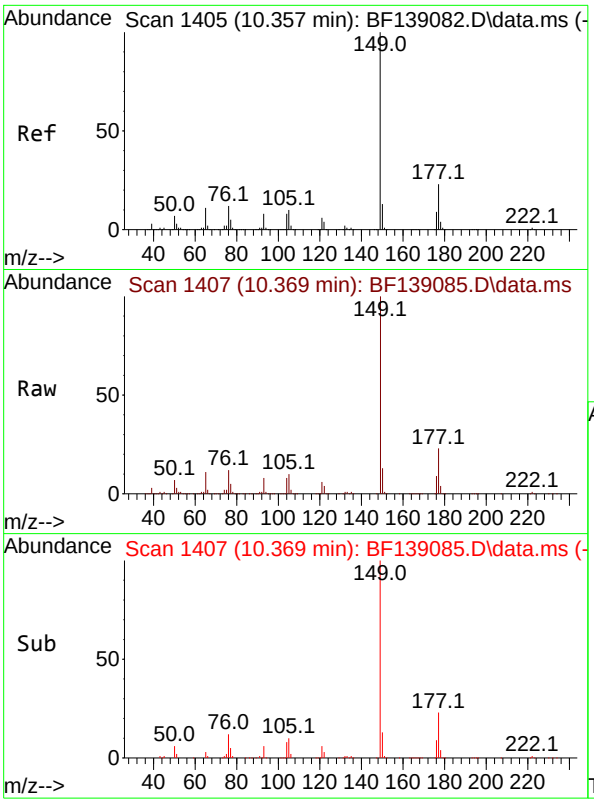


#59
2,3,4,6-Tetrachlorophenol
Concen: 81.079 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:232 Resp: 298788

Ion	Ratio	Lower	Upper
232	100		
131	45.7	36.0	54.0
130	2.4	2.0	3.0
166	30.9	23.3	34.9

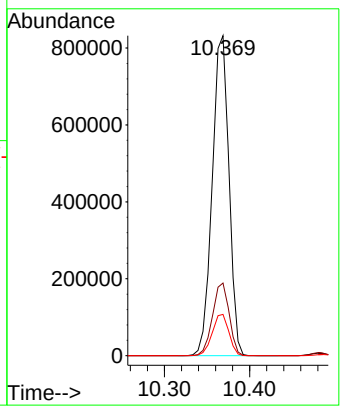




#60
Diethylphthalate
Concen: 76.563 ng
RT: 10.369 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:149 Resp: 113346

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.4	27.6
150	12.9	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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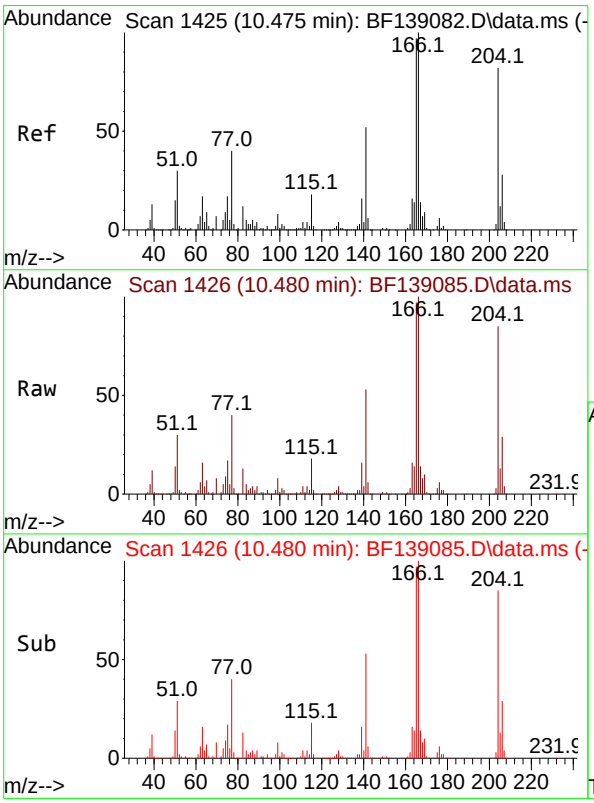
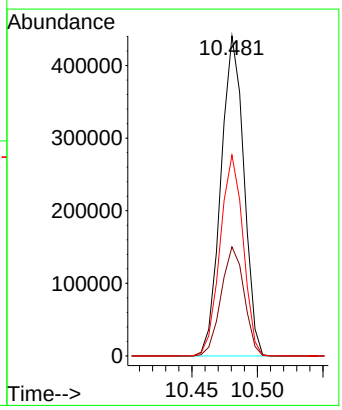
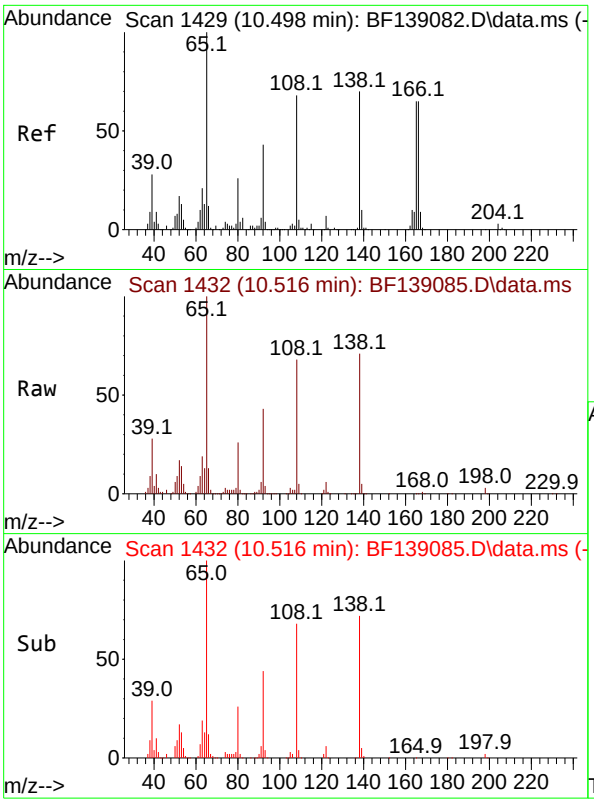


#61
4-Chlorophenyl-phenylether
Concen: 72.609 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:204 Resp: 536572

Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.0	40.4
141	62.8	50.9	76.3





#62
4-Nitroaniline
Concen: 79.854 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:138 Resp: 25307

Ion	Ratio	Lower	Upper
138	100		
92	61.1	41.4	81.4
108	95.7	76.8	116.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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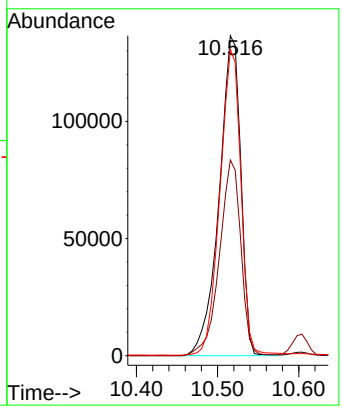
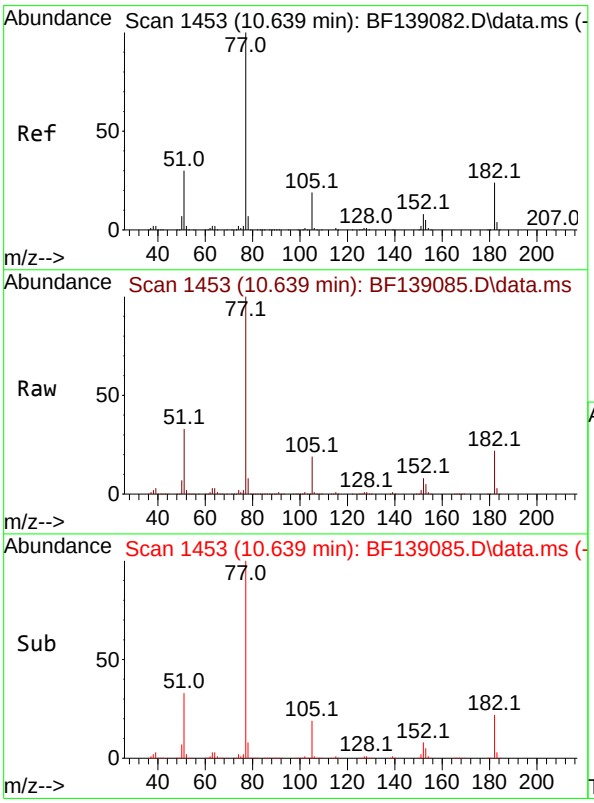
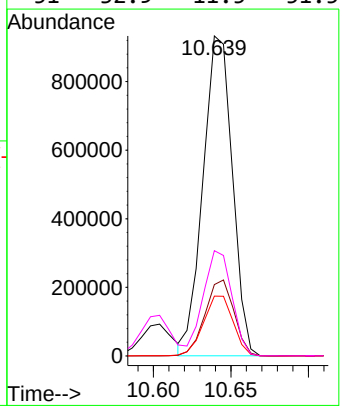


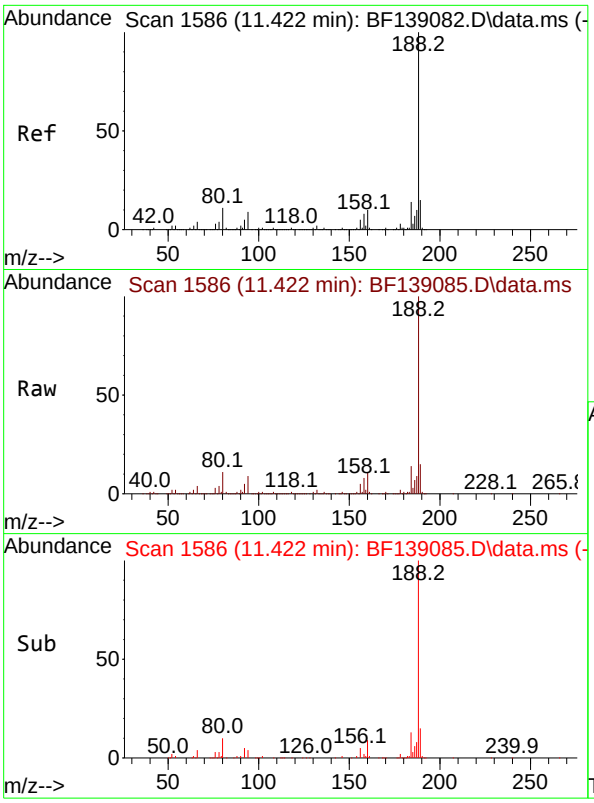


#63
Azobenzene
Concen: 74.792 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion: 77 Resp: 1230472

Ion	Ratio	Lower	Upper
77	100		
182	22.3	4.0	44.0
105	18.7	0.0	39.1
51	32.9	11.5	51.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:188 Resp: 43296

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.6	8.5	12.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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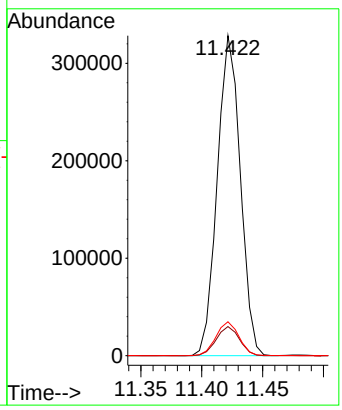
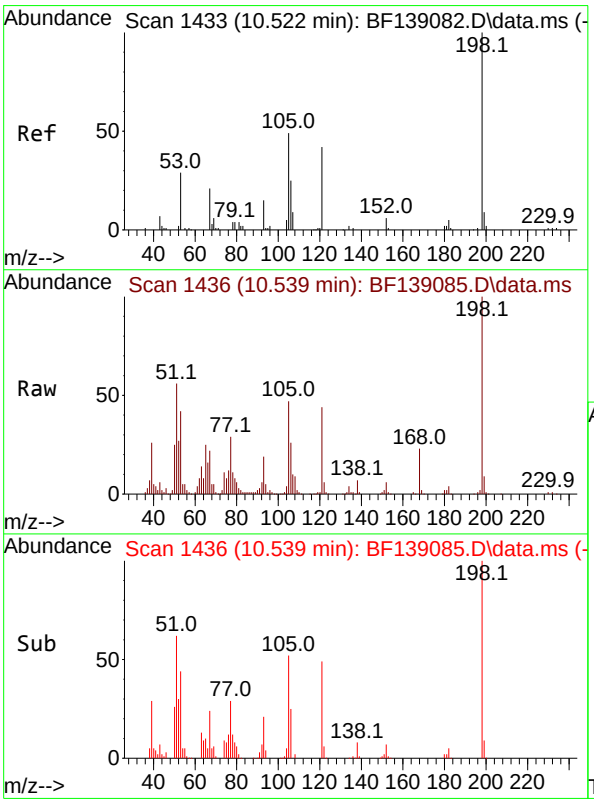
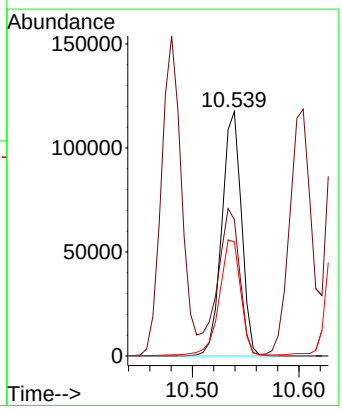


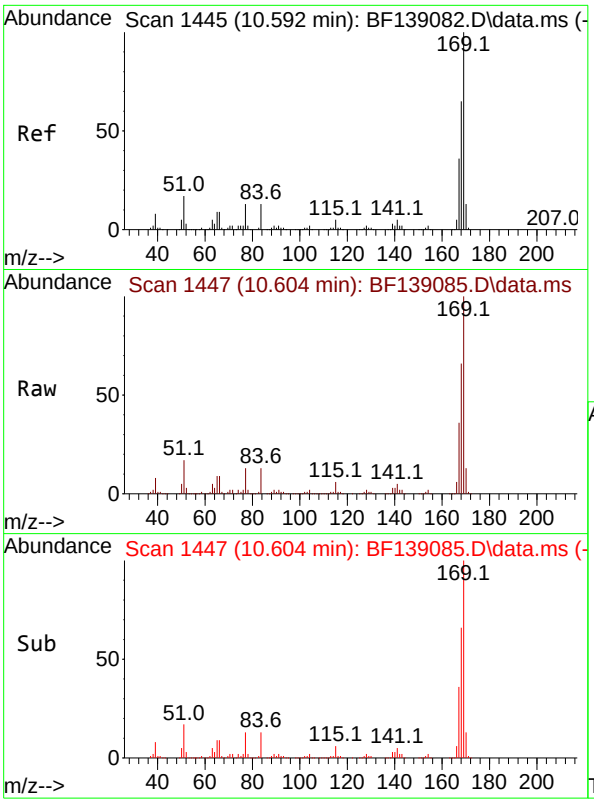


#65
4,6-Dinitro-2-methylphenol
Concen: 79.254 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.017 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:198 Resp: 149962

Ion	Ratio	Lower	Upper
198	100		
51	55.8	40.8	80.8
105	46.7	30.9	70.9

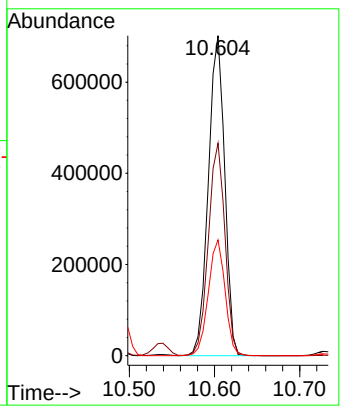




#66
n-Nitrosodiphenylamine
Concen: 73.033 ng
RT: 10.604 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:169 Resp: 93562

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.4	78.6
167	36.2	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
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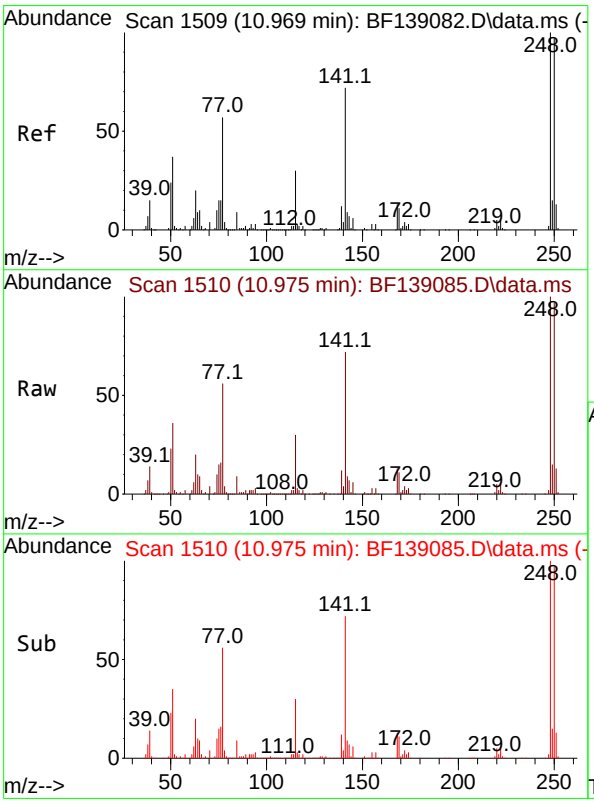
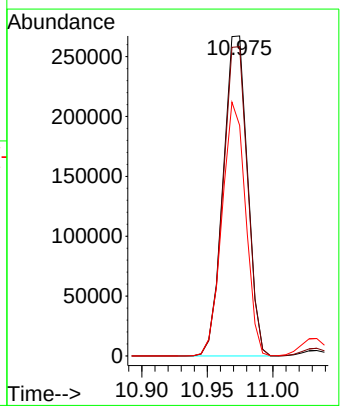
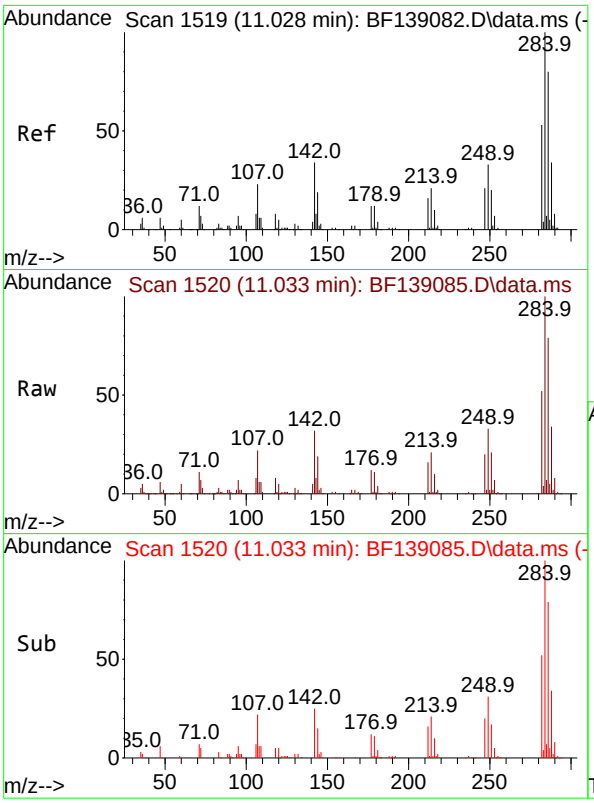


#67
4-Bromophenyl-phenylether
Concen: 75.518 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:248 Resp: 346464

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.8	116.8
141	72.1	57.9	86.9

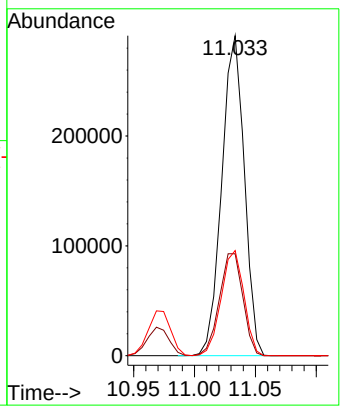




#68
Hexachlorobenzene
Concen: 76.266 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:284 Resp: 37537

Ion	Ratio	Lower	Upper
284	100		
142	31.8	27.1	40.7
249	32.9	26.8	40.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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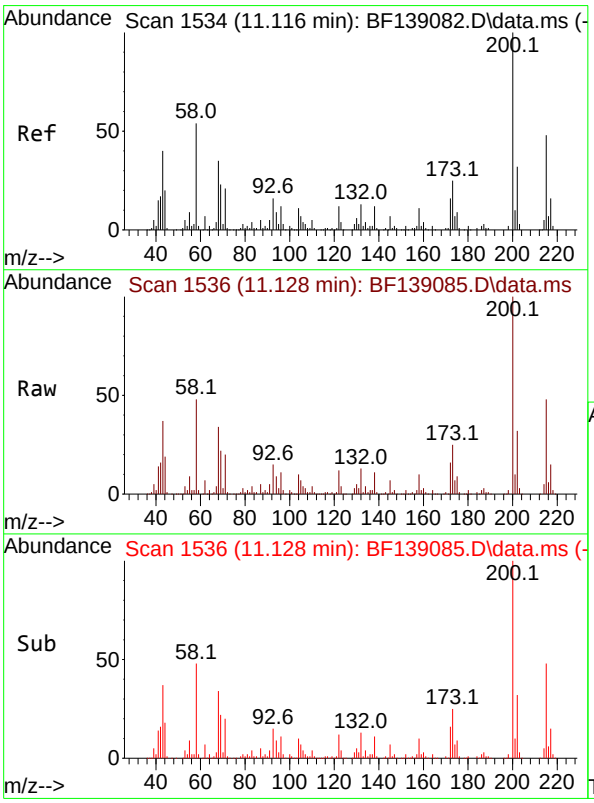
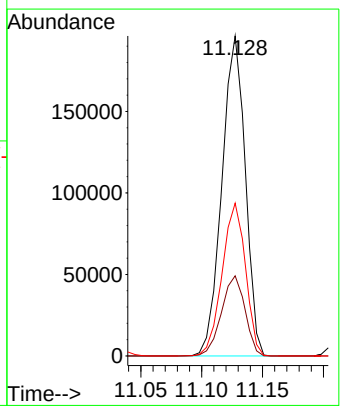
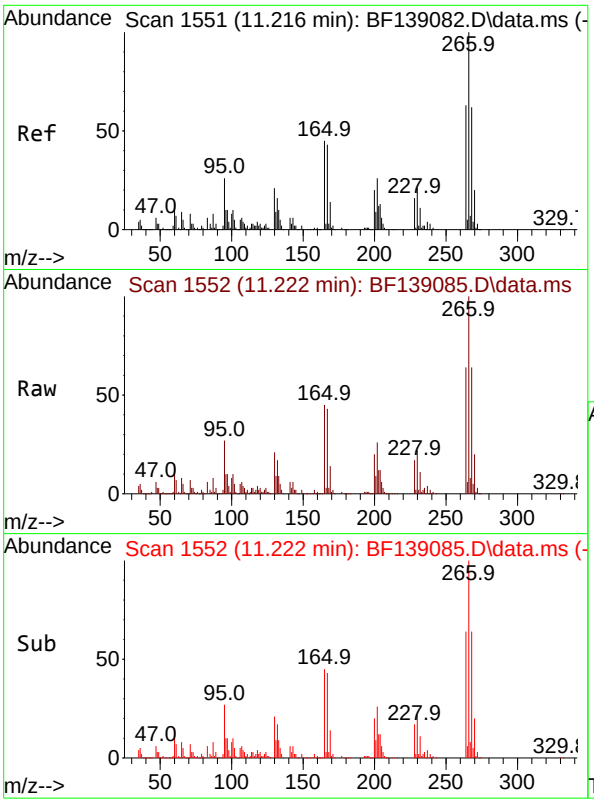


#69
Atrazine
Concen: 67.059 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:200 Resp: 262373

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.2	45.2
215	47.7	27.9	67.9

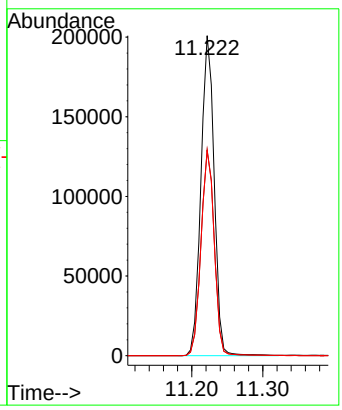




#70
Pentachlorophenol
Concen: 83.122 ng
RT: 11.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:266 Resp: 26134

Ion	Ratio	Lower	Upper
266	100		
268	64.3	49.5	74.3
264	64.1	50.0	75.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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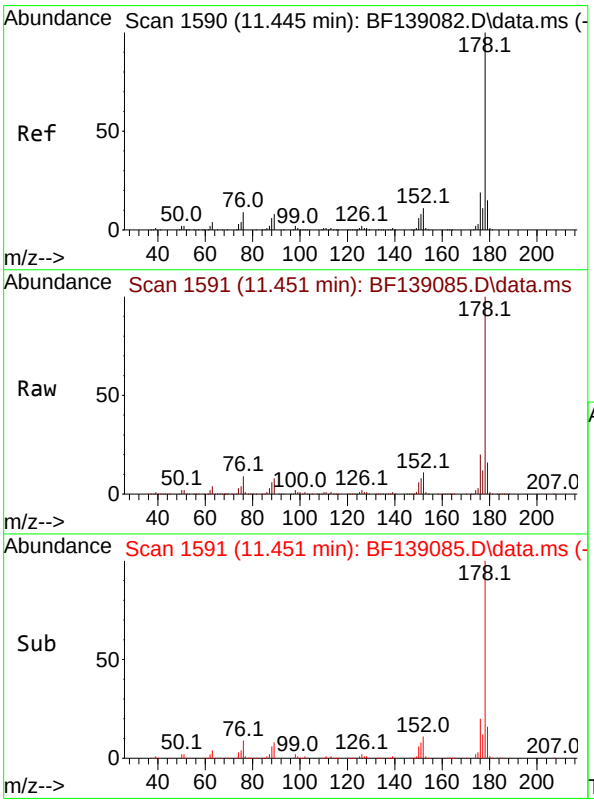
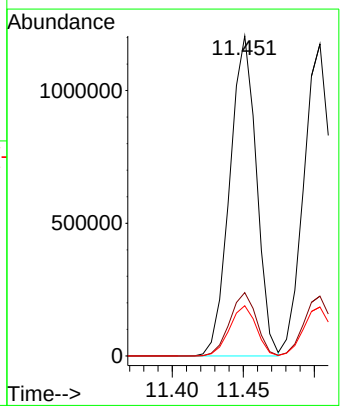
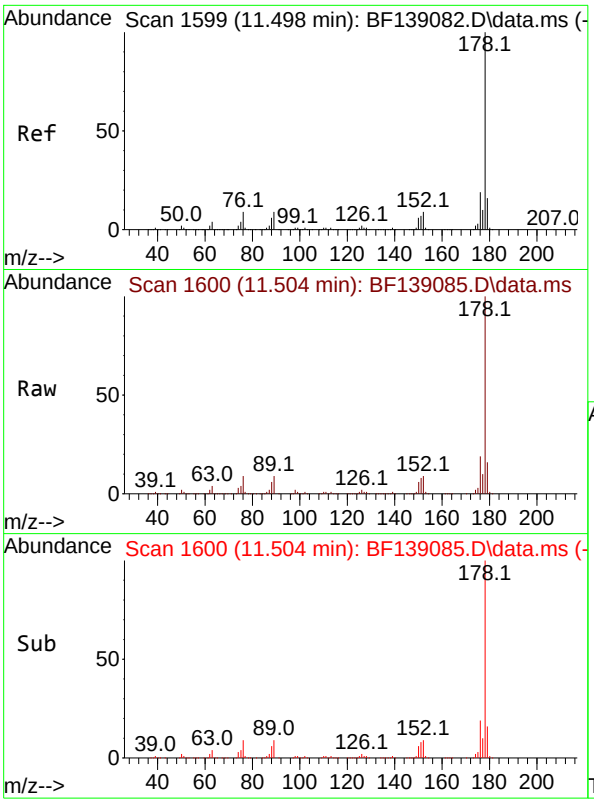


#71
Phenanthrene
Concen: 71.593 ng
RT: 11.451 min Scan# 1591
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:178 Resp: 1575520

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.7	12.3	18.5





#72
Anthracene
Concen: 72.279 ng
RT: 11.504 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:178 Resp: 155558

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.7	12.4	18.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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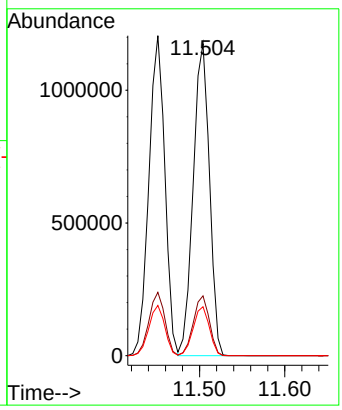
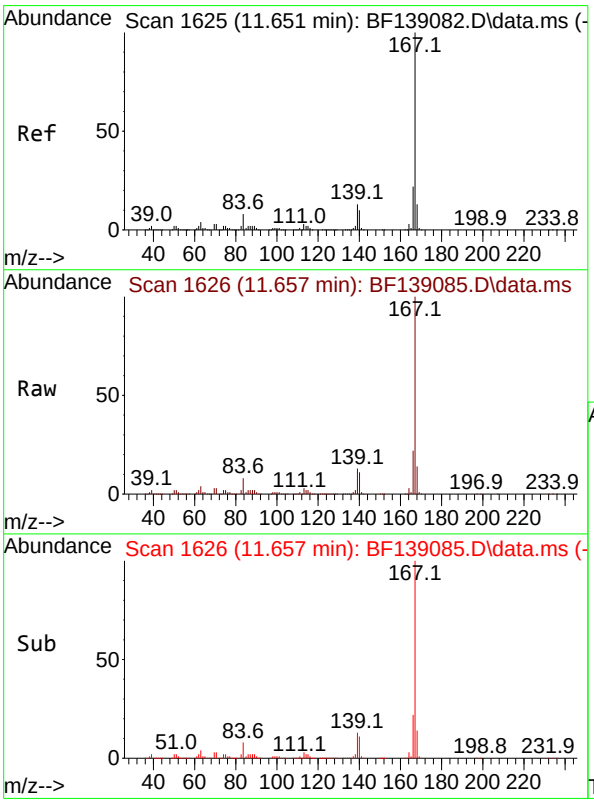
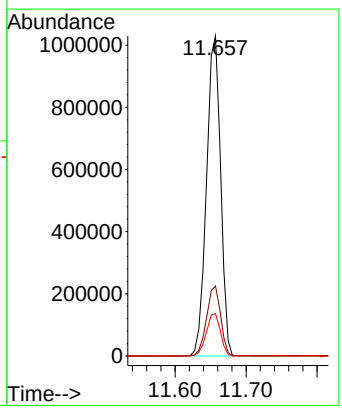


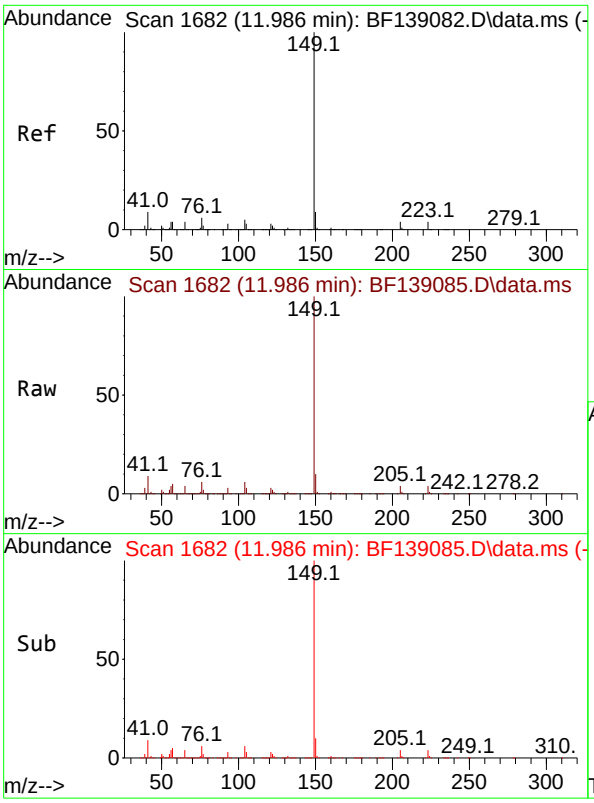


#73
Carbazole
Concen: 70.952 ng
RT: 11.657 min Scan# 1626
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:167 Resp: 1425898

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.3	10.5	15.7

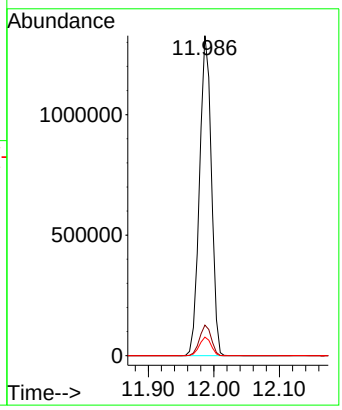




#74
Di-n-butylphthalate
Concen: 71.871 ng
RT: 11.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:149 Resp: 167478

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.8	4.3	6.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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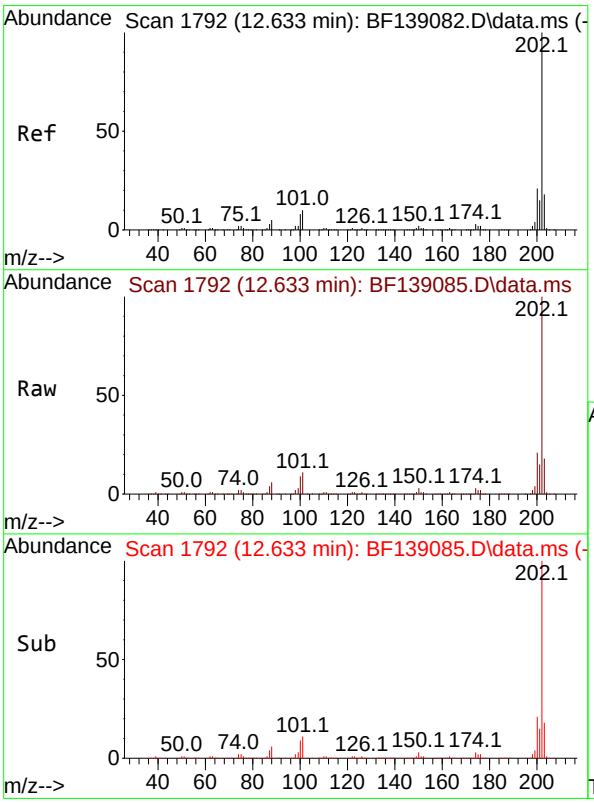
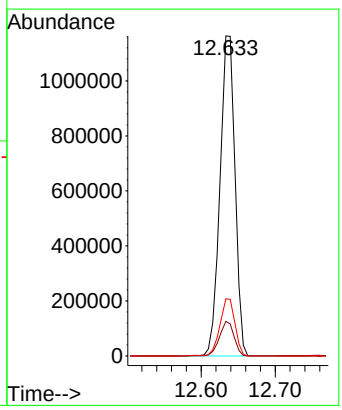
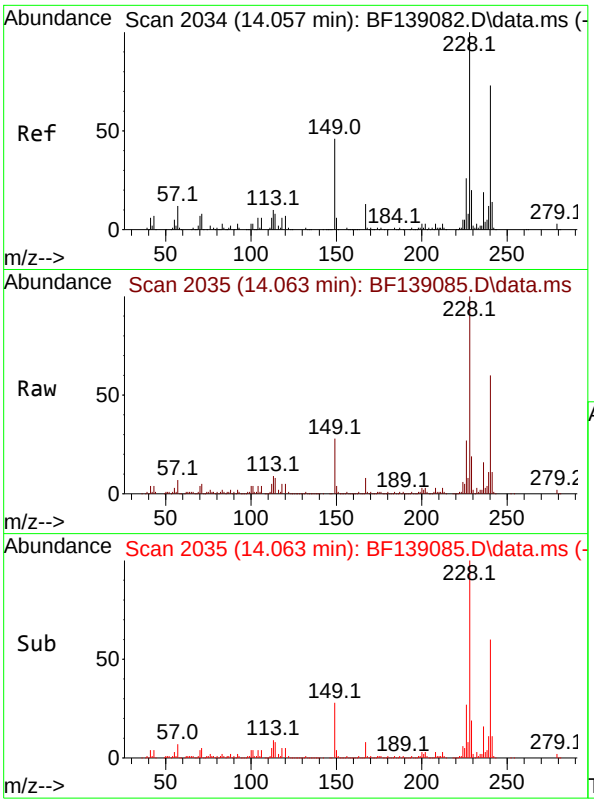


#75
Fluoranthene
Concen: 69.879 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:202 Resp: 1641350

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.2
203	17.8	0.0	37.6

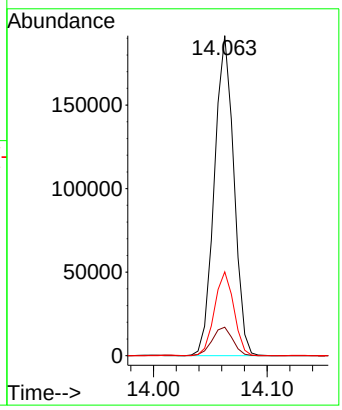




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:240 Resp: 22872

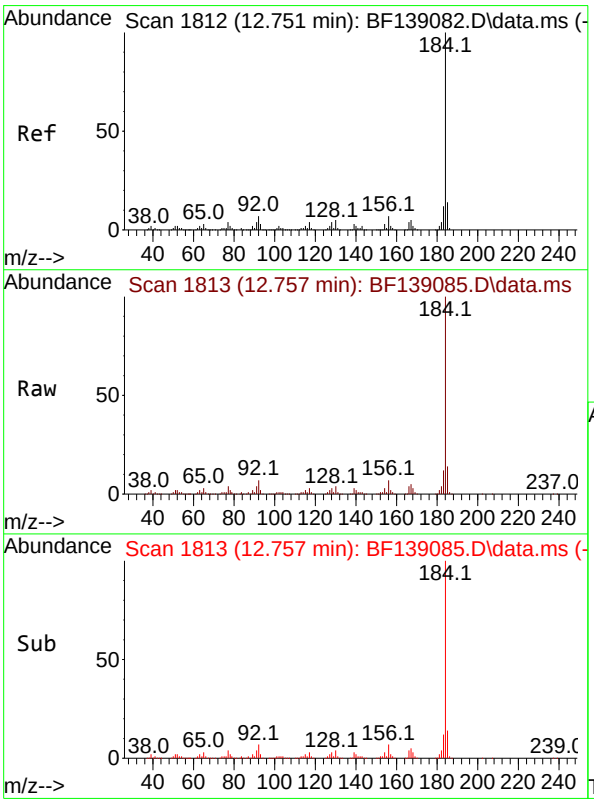
Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.8	11.6
236	26.2	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

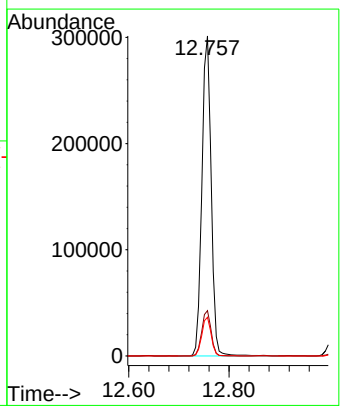
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

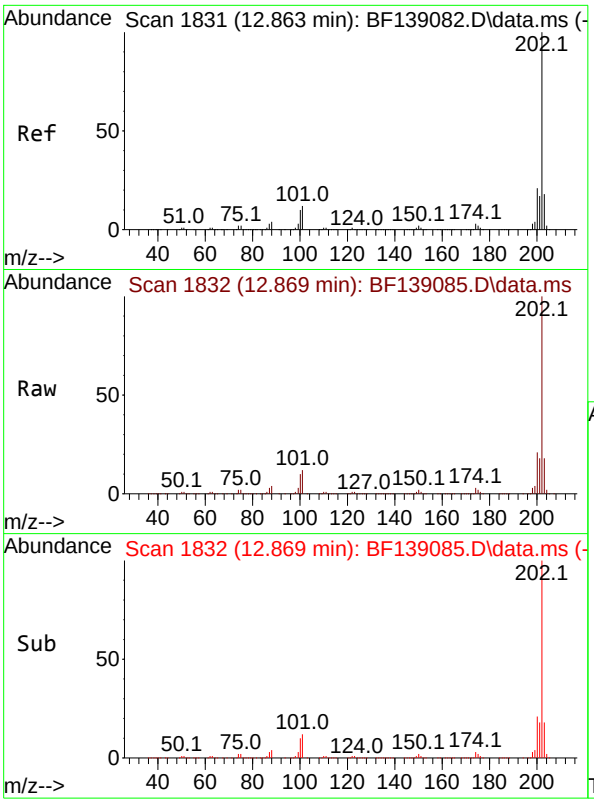


#77
Benzidine
Concen: 81.935 ng
RT: 12.757 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:184 Resp: 387111

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	12.1	9.8	14.6

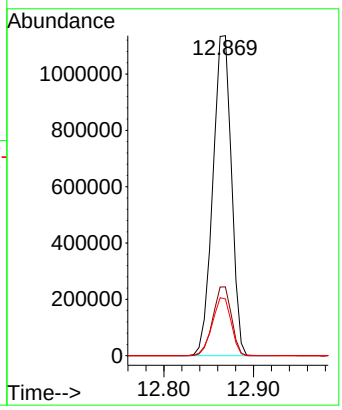




#78
Pyrene
Concen: 85.498 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:202 Resp: 163194

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.8	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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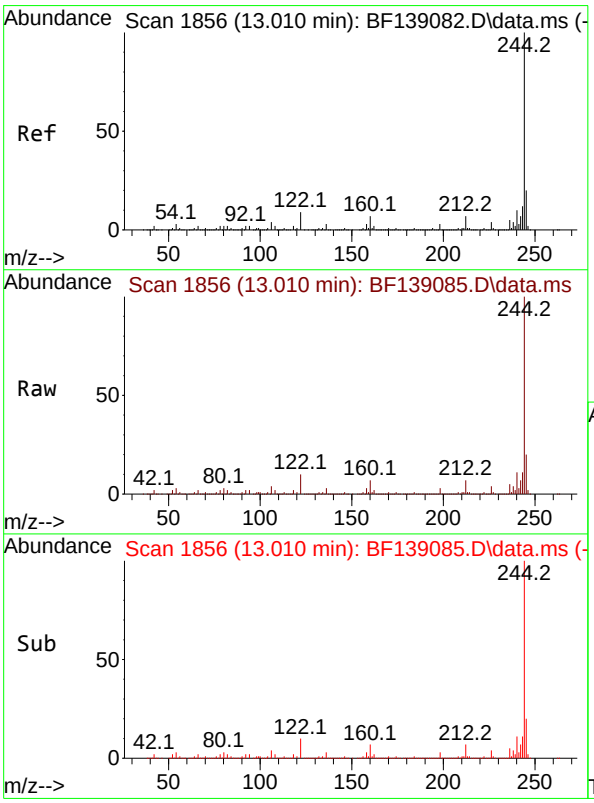
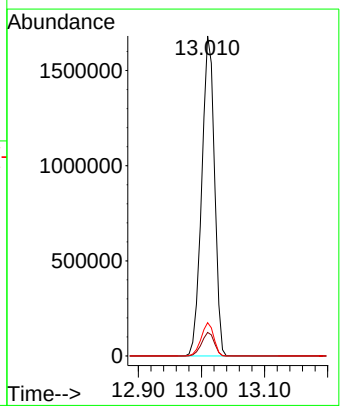
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

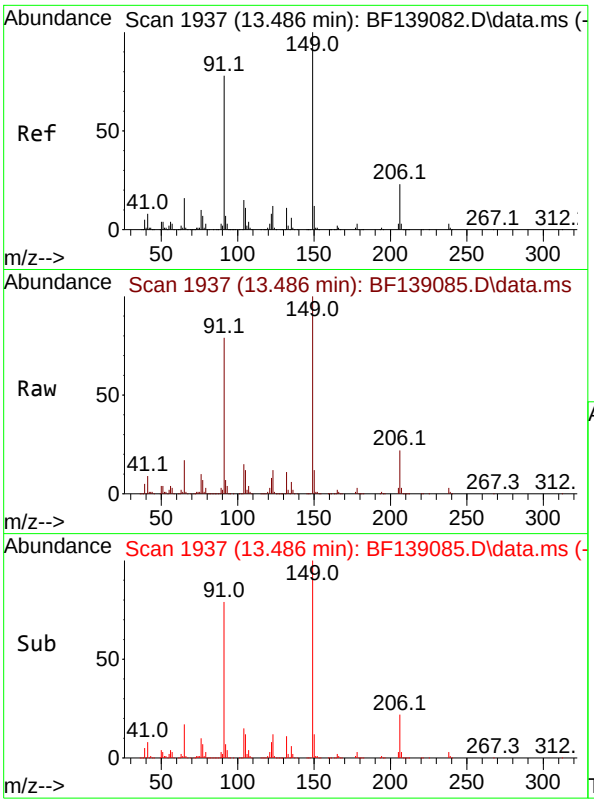


#79
Terphenyl-d14
Concen: 171.715 ng
RT: 13.010 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:244 Resp: 2367017

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.4	7.6	11.4

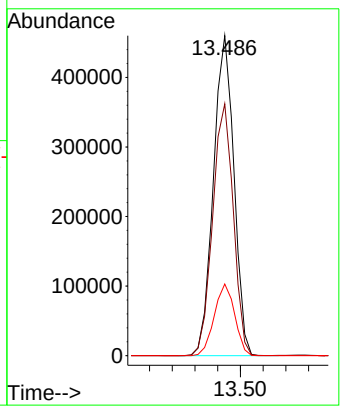




#80
Butylbenzylphthalate
Concen: 87.455 ng
RT: 13.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:149 Resp: 57751

Ion	Ratio	Lower	Upper
149	100		
91	78.7	62.1	93.1
206	22.4	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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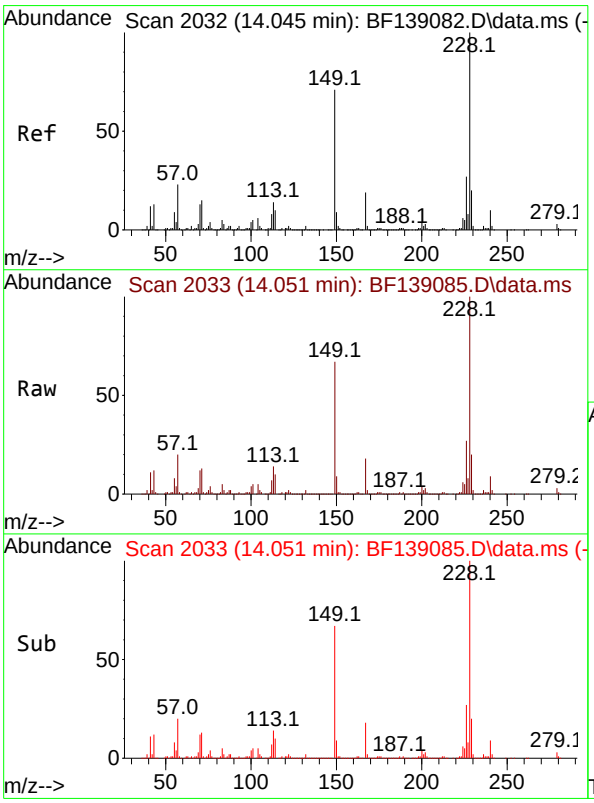
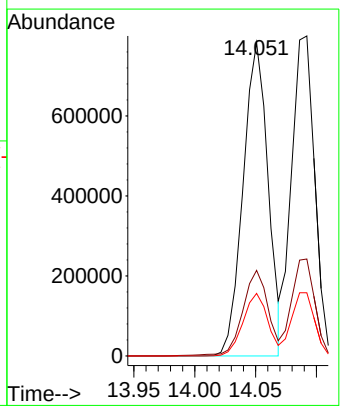
Supervised By :mohammad ahmed 08/22/2024

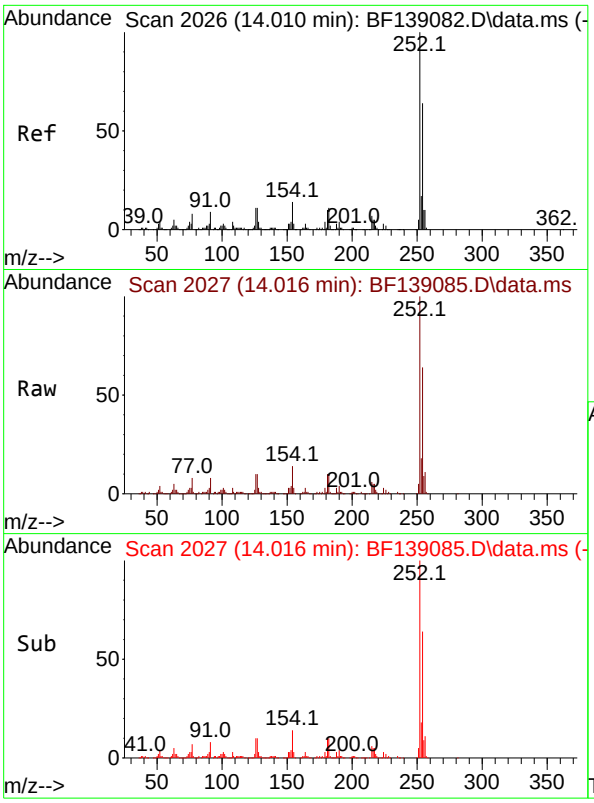


#81
Benzo(a)anthracene
Concen: 74.410 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:228 Resp: 1118794

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	20.0	16.1	24.1

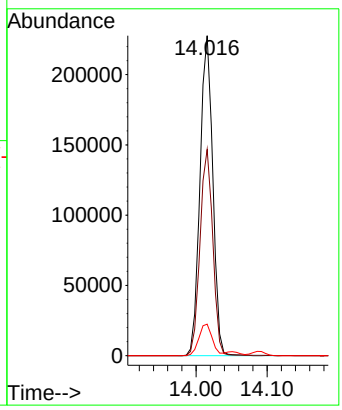




#82
3,3'-Dichlorobenzidine
Concen: 67.953 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:252 Resp: 28558

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.0
126	9.9	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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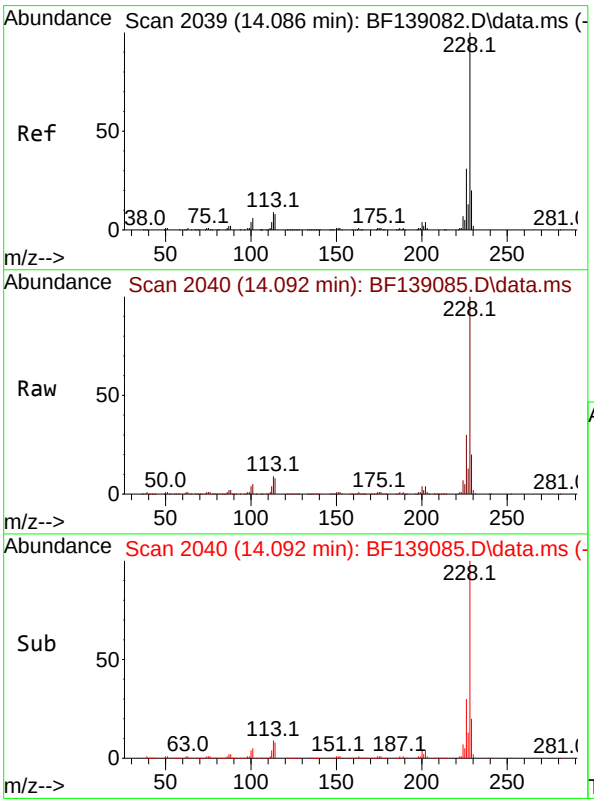
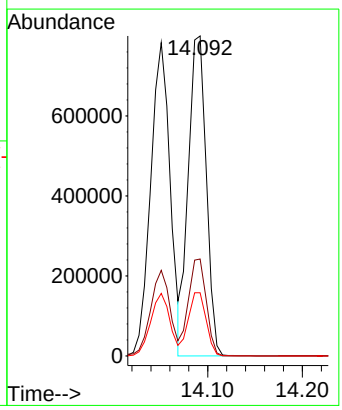
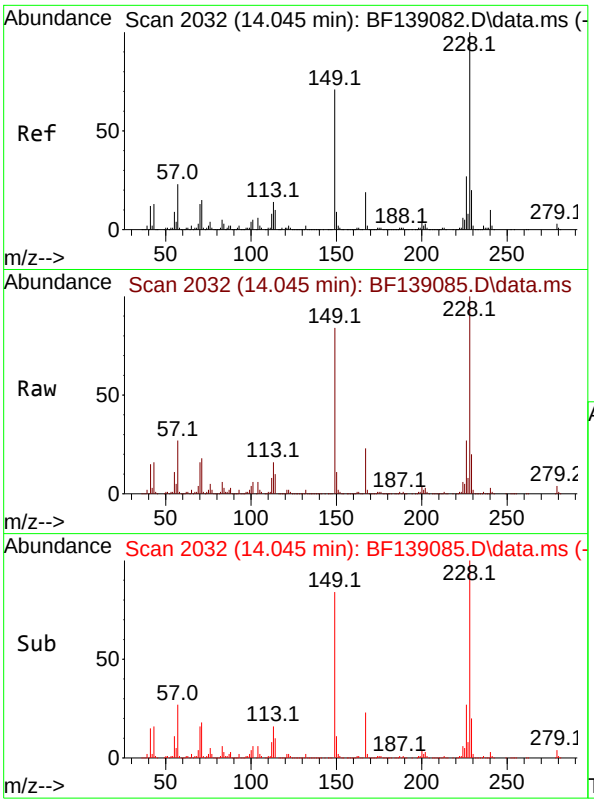


#83
Chrysene
Concen: 77.498 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:228 Resp: 1056171

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	19.8	15.8	23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 82.244 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 72000

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.6
279	4.3	3.5	5.3

Manual Integrations
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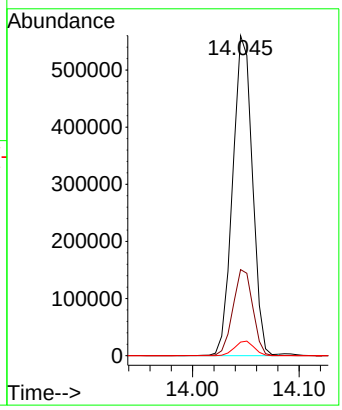
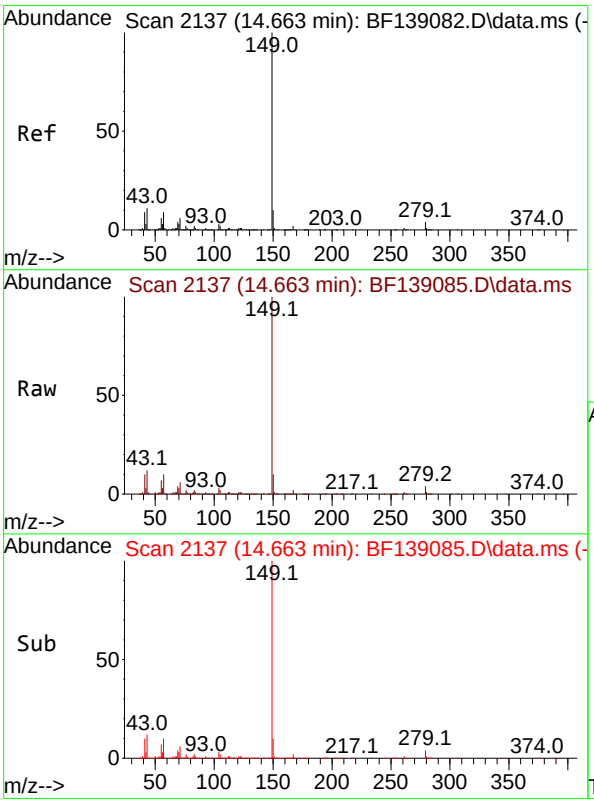
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

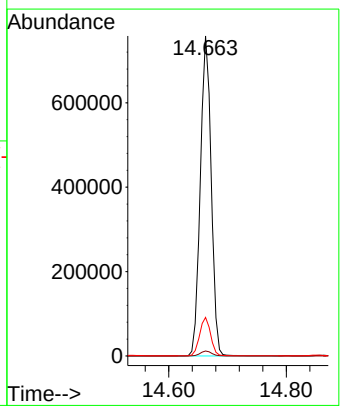


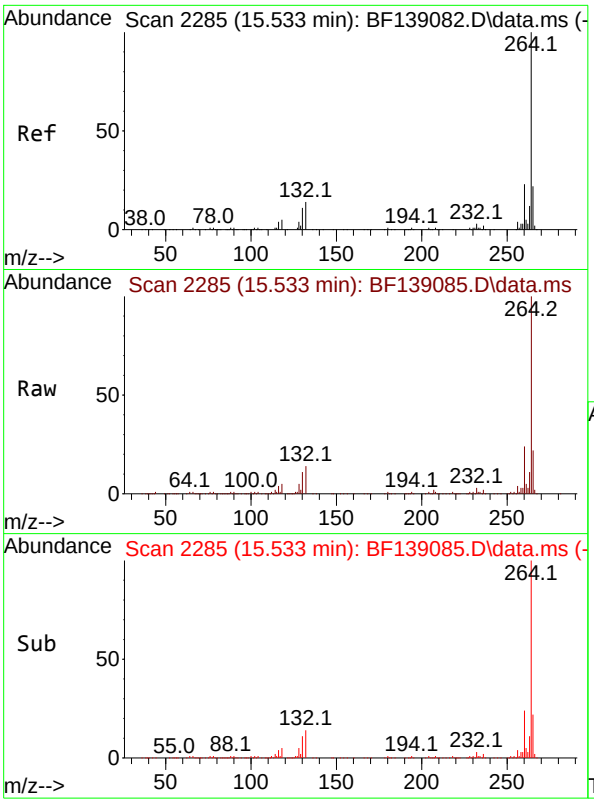


#85
Di-n-octyl phthalate
Concen: 79.275 ng
RT: 14.663 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:149 Resp: 974053

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.1	9.6	14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:264 Resp: 22692

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.6	17.4	26.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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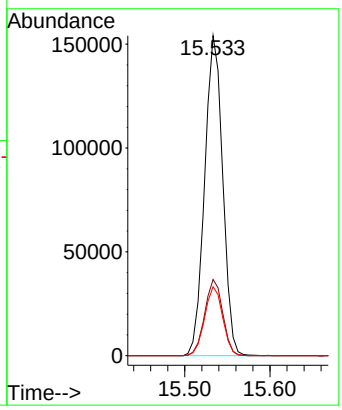
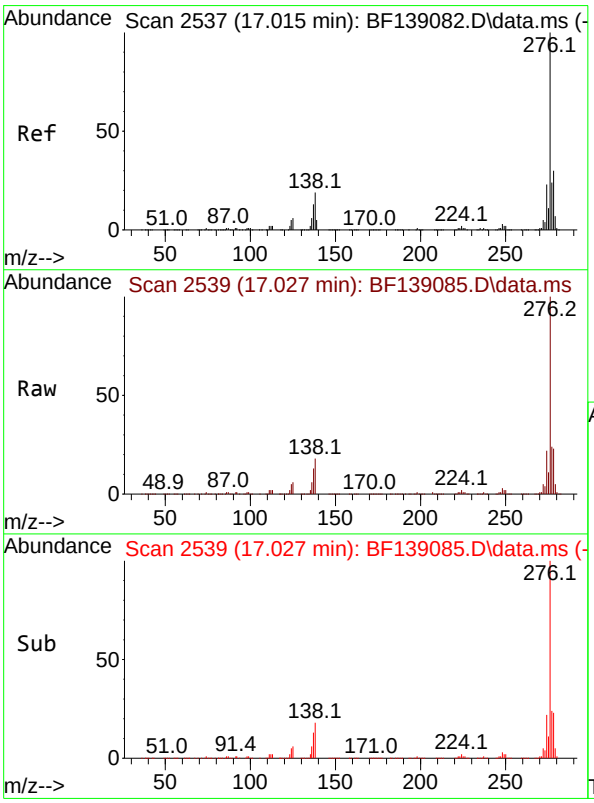
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

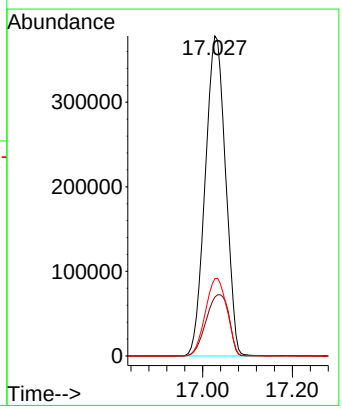


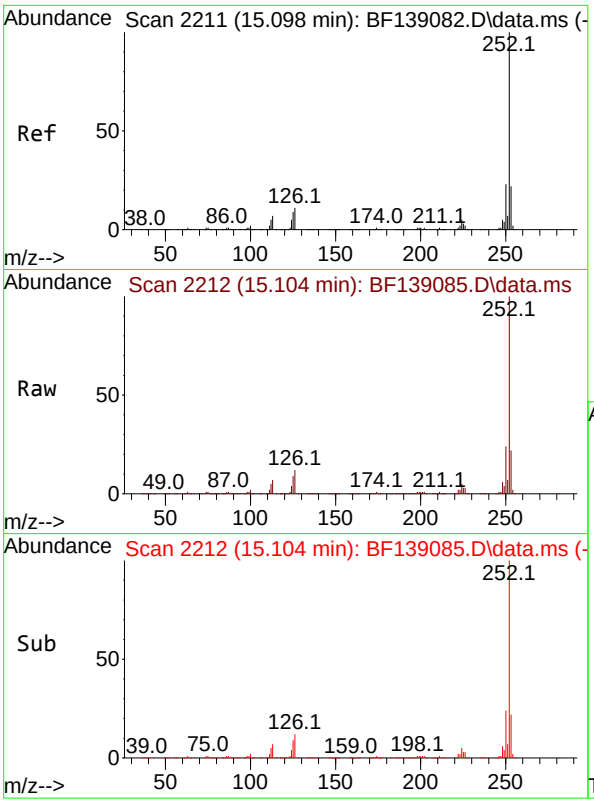


#87
Indeno(1,2,3-cd)pyrene
Concen: 89.630 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:276 Resp: 1190369

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.3	25.9
277	25.7	20.2	30.4

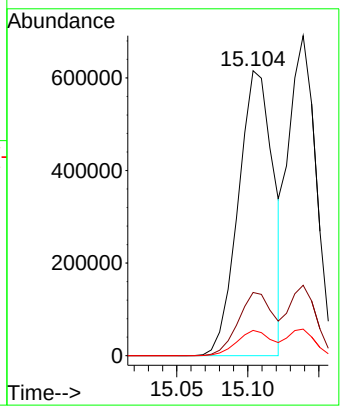




#88
Benzo(b)fluoranthene
Concen: 71.332 ng
RT: 15.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:252 Resp: 105528

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	8.9	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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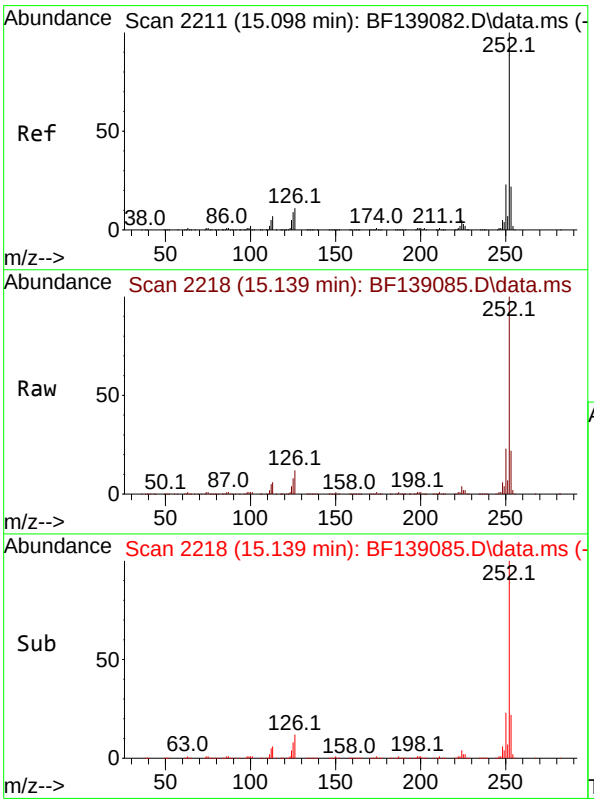
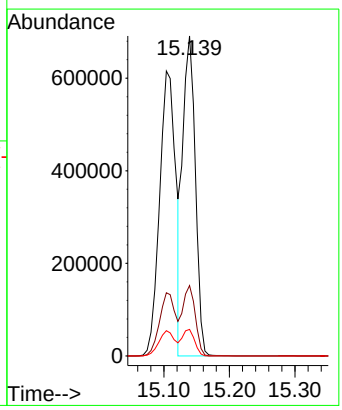
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

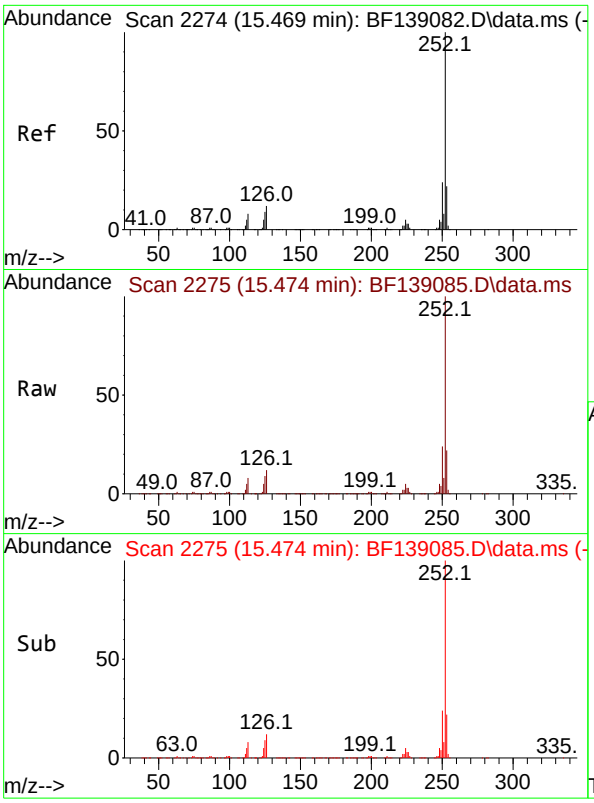


#89
Benzo(k)fluoranthene
Concen: 74.693 ng
RT: 15.139 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:252 Resp: 920339

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.3	7.0	10.6

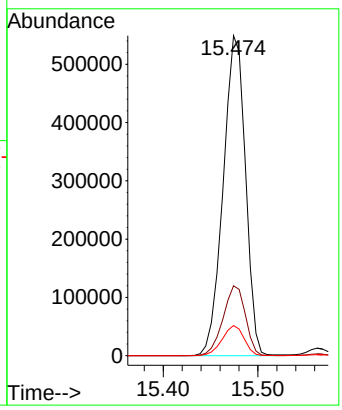




#90
Benzo(a)pyrene
Concen: 76.876 ng
RT: 15.474 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:252 Resp: 89866

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.4	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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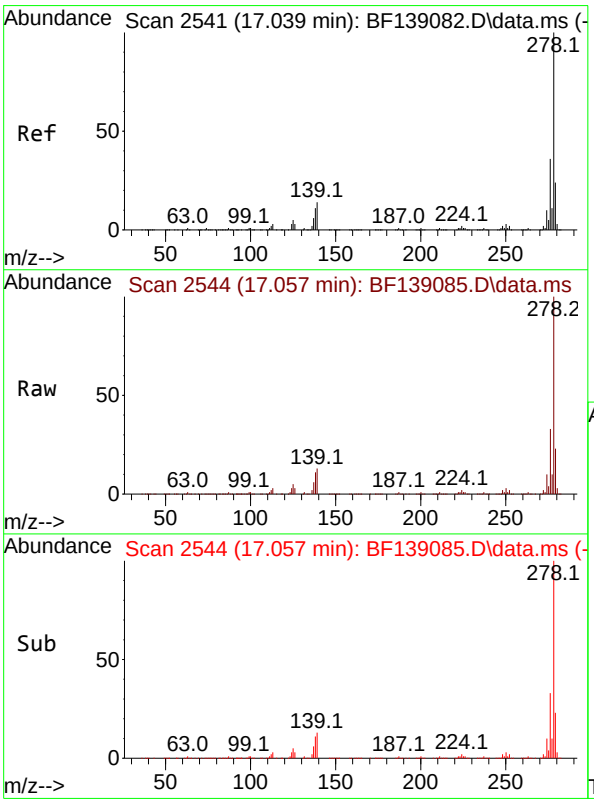
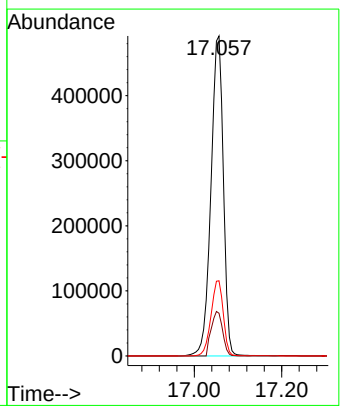
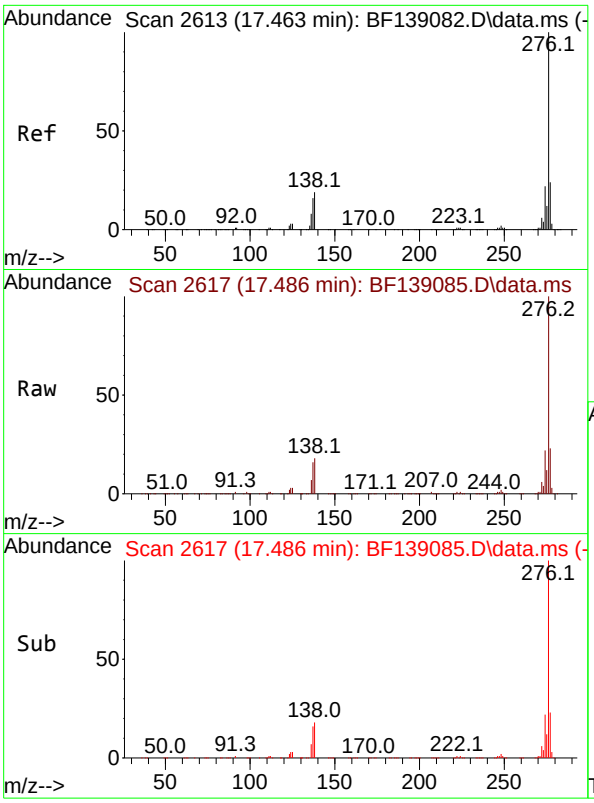


#91
Dibenzo(a,h)anthracene
Concen: 89.184 ng
RT: 17.057 min Scan# 2544
Delta R.T. 0.018 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:278 Resp: 972287

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.8	16.2
279	23.5	19.2	28.8

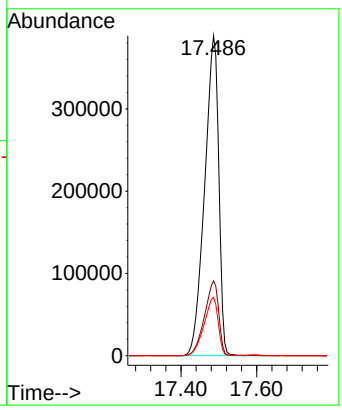




#92
Benzo(g,h,i)perylene
Concen: 78.348 ng
RT: 17.486 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF139085.D
Acq: 20 Aug 2024 20:41

Tgt Ion:276 Resp: 99924

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	18.2	15.0	22.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	131503	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	482835	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	279151	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	504492	20.000	ng		0.00
76) Chrysene-d12	14.063	240	299101	20.000	ng		0.00
86) Perylene-d12	15.533	264	259634	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	661369	77.377	ng		0.00
7) Phenol-d6	6.522	99	864502	78.276	ng		0.00
23) Nitrobenzene-d5	7.463	82	775025	93.532	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	221899	87.807	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1339409	76.128	ng		0.00
79) Terphenyl-d14	13.010	244	1522325	84.453	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	145187	39.603	ng		99
3) Pyridine	3.446	79	369164	39.627	ng		99
4) n-Nitrosodimethylamine	3.410	42	211725	37.622	ng		98
6) Aniline	6.563	93	400396	40.159	ng		99
8) 2-Chlorophenol	6.687	128	323230	39.317	ng		97
9) Benzaldehyde	6.451	77	257395	39.738	ng		99
10) Phenol	6.539	94	453541	39.467	ng		99
11) bis(2-Chloroethyl)ether	6.639	93	336049	36.363	ng		99
12) 1,3-Dichlorobenzene	6.839	146	384376	38.887	ng		99
13) 1,4-Dichlorobenzene	6.916	146	388091	39.269	ng		99
14) 1,2-Dichlorobenzene	7.069	146	357123	39.538	ng		99
15) Benzyl Alcohol	7.039	79	343224	39.320	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	493587	37.916	ng		99
17) 2-Methylphenol	7.145	107	277901	39.512	ng		99
18) Hexachloroethane	7.410	117	136978	39.525	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	269988	37.225	ng		100
20) 3+4-Methylphenols	7.304	107	354908	38.947	ng	#	86
22) Acetophenone	7.310	105	482210	39.114	ng		96
24) Nitrobenzene	7.486	77	412392	44.775	ng		99
25) Isophorone	7.722	82	700407	39.769	ng		99
26) 2-Nitrophenol	7.798	139	140738	44.307	ng		98
27) 2,4-Dimethylphenol	7.828	122	220037	39.399	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	397597	38.636	ng		99
29) 2,4-Dichlorophenol	8.034	162	281134	40.406	ng		100
30) 1,2,4-Trichlorobenzene	8.122	180	318510	39.095	ng		99
31) Naphthalene	8.204	128	966033	39.482	ng		100
32) Benzoic acid	7.951	122	204434	44.659	ng		96
33) 4-Chloroaniline	8.251	127	332486	39.678	ng		100
34) Hexachlorobutadiene	8.322	225	213327	40.084	ng		99
35) Caprolactam	8.628	113	91642	41.544	ng		97
36) 4-Chloro-3-methylphenol	8.728	107	308176	40.003	ng		99
37) 2-Methylnaphthalene	8.892	142	608864	38.796	ng		100
38) 1-Methylnaphthalene	8.992	142	592889	39.143	ng		98
40) 1,2,4,5-Tetrachloroben...	9.057	216	311505	40.567	ng		99
41) Hexachlorocyclopentadiene	9.045	237	118697	40.411	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	213091	41.317	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	208758	39.434	ng		99
46) 1,1'-Biphenyl	9.357	154	763030	39.902	ng		100
47) 2-Chloronaphthalene	9.380	162	601423	38.708	ng		99
48) 2-Nitroaniline	9.475	65	191713	43.634	ng		100
49) Acenaphthylene	9.798	152	879919	39.533	ng		100
50) Dimethylphthalate	9.663	163	682415	39.598	ng		99
51) 2,6-Dinitrotoluene	9.722	165	149746	43.760	ng		93
52) Acenaphthene	9.969	154	577194	39.258	ng		99
53) 3-Nitroaniline	9.886	138	149417	43.178	ng	#	98
54) 2,4-Dinitrophenol	9.986	184	54802	48.138	ng		86
55) Dibenzofuran	10.139	168	843236	39.486	ng		100
56) 4-Nitrophenol	10.033	139	121416	46.609	ng		99
57) 2,4-Dinitrotoluene	10.122	165	189415	44.204	ng		98
58) Fluorene	10.486	166	662565	38.823	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	178921	42.094	ng		99
60) Diethylphthalate	10.357	149	679316	39.783	ng		99
61) 4-Chlorophenyl-phenyle...	10.475	204	328835	38.579	ng		99
62) 4-Nitroaniline	10.504	138	151891	43.331	ng		99
63) Azobenzene	10.639	77	739304	38.960	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	84045	46.812	ng		92
66) n-Nitrosodiphenylamine	10.598	169	567585	38.023	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	206250	38.582	ng		99
68) Hexachlorobenzene	11.027	284	222397	38.778	ng		100
69) Atrazine	11.122	200	144810	31.764	ng		100
70) Pentachlorophenol	11.222	266	154863	42.272	ng		99
71) Phenanthrene	11.445	178	963550	37.577	ng		100
72) Anthracene	11.498	178	952503	37.982	ng		100
73) Carbazole	11.651	167	890833	38.042	ng		100
74) Di-n-butylphthalate	11.986	149	1024926	37.747	ng		100
75) Fluoranthene	12.633	202	1035519	37.836	ng		100
77) Benzidine	12.751	184	194358	31.458	ng		99
78) Pyrene	12.863	202	1041874	41.741	ng		100
80) Butylbenzylphthalate	13.486	149	379143	43.906	ng		99
81) Benzo(a)anthracene	14.051	228	766898	39.005	ng		99
82) 3,3'-Dichlorobenzidine	14.010	252	202124	36.778	ng		99
83) Chrysene	14.086	228	692316	38.847	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	487722	42.603	ng		100
85) Di-n-octyl phthalate	14.662	149	640947	39.891	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	685085	45.085	ng		99
88) Benzo(b)fluoranthene	15.104	252	613282	36.232	ng		99
89) Benzo(k)fluoranthene	15.133	252	554023	39.299	ng		99
90) Benzo(a)pyrene	15.468	252	517983	38.728	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	562456	45.092	ng		100
92) Benzo(g,h,i)perylene	17.468	276	568943	40.393	ng		99

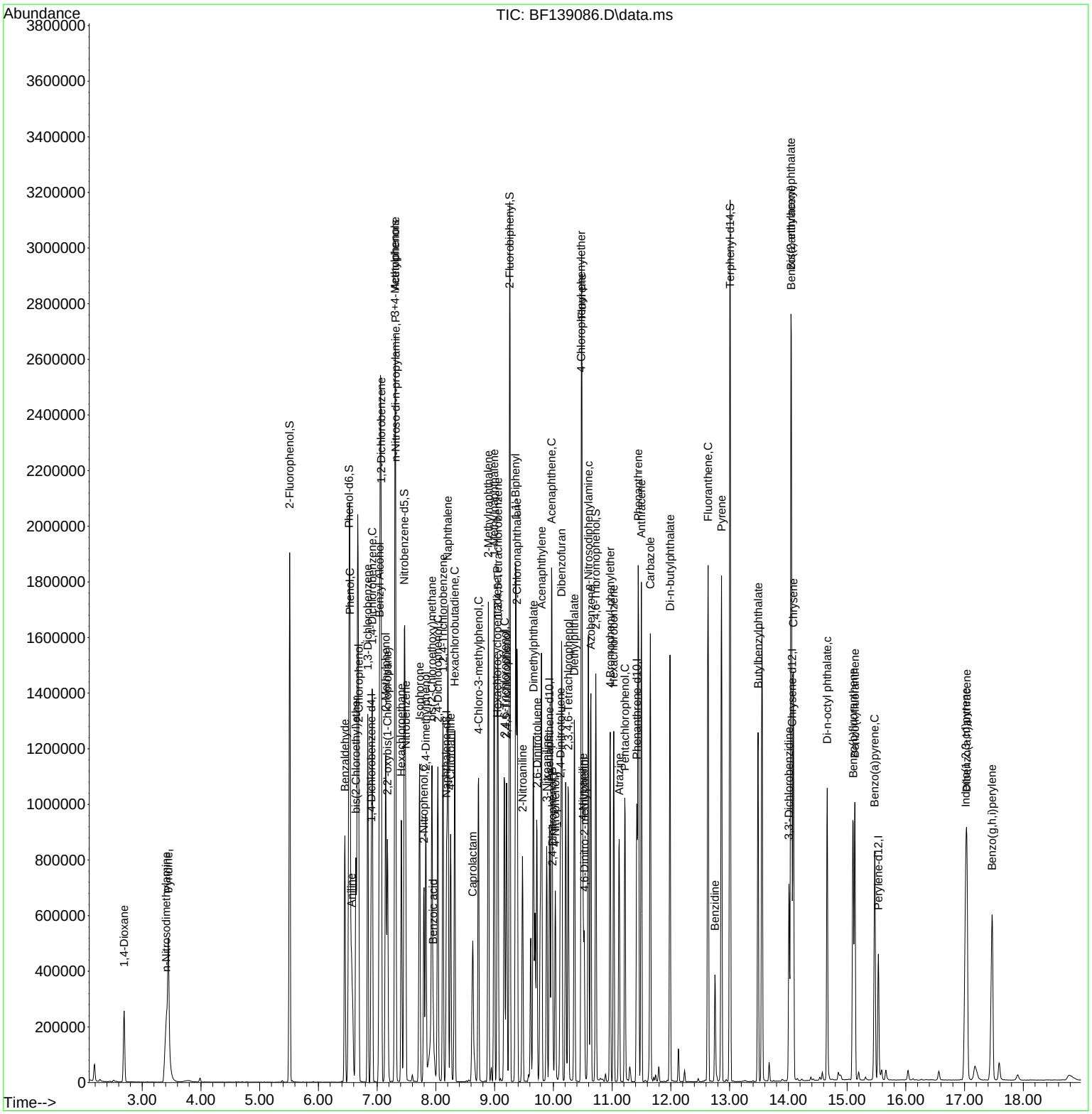
(#) = qualifier out of range (m) = manual integration (+) = signals summed

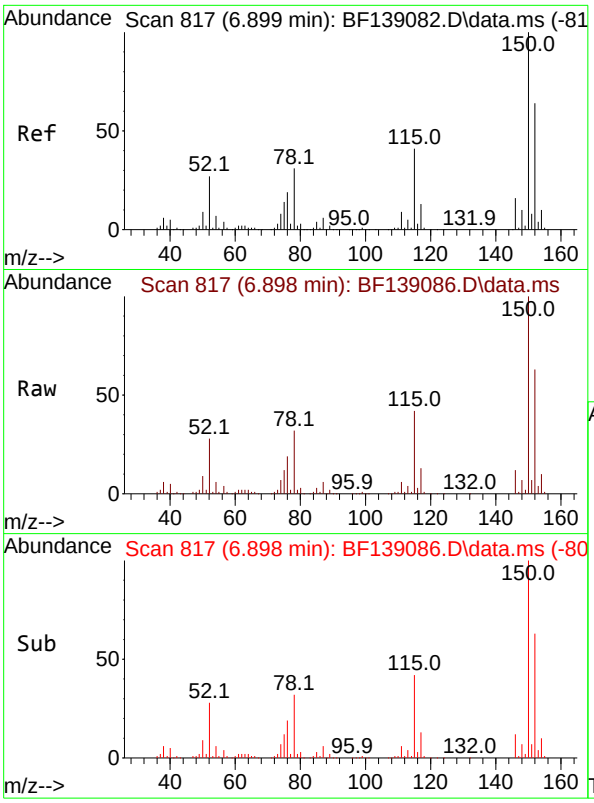
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration



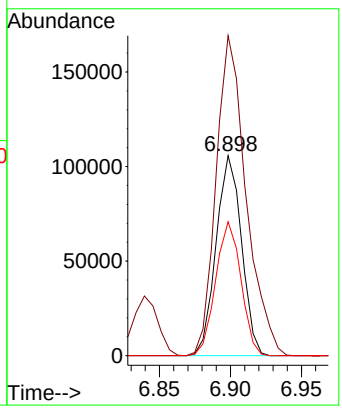


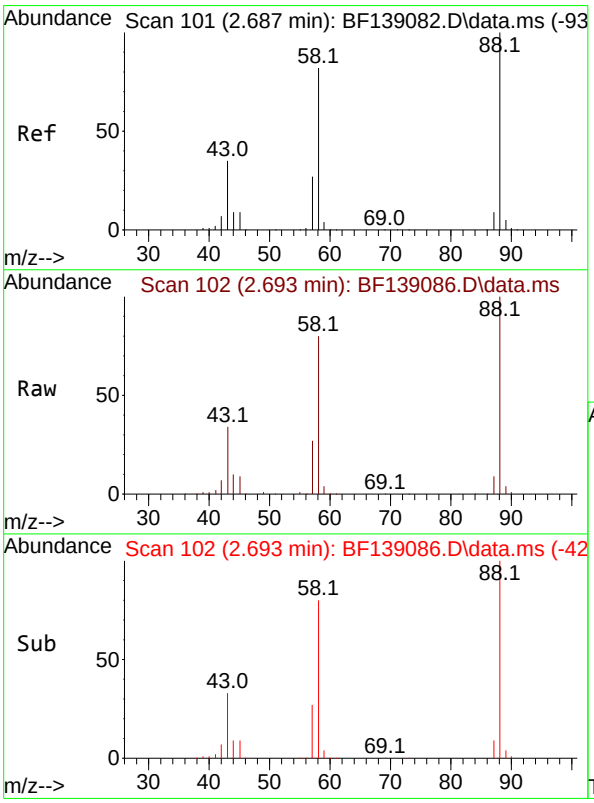
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:152 Resp: 131503

Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.1	187.7
115	67.0	51.8	77.6

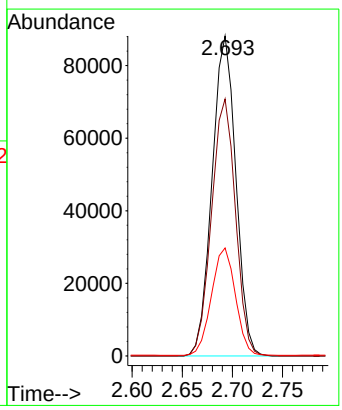


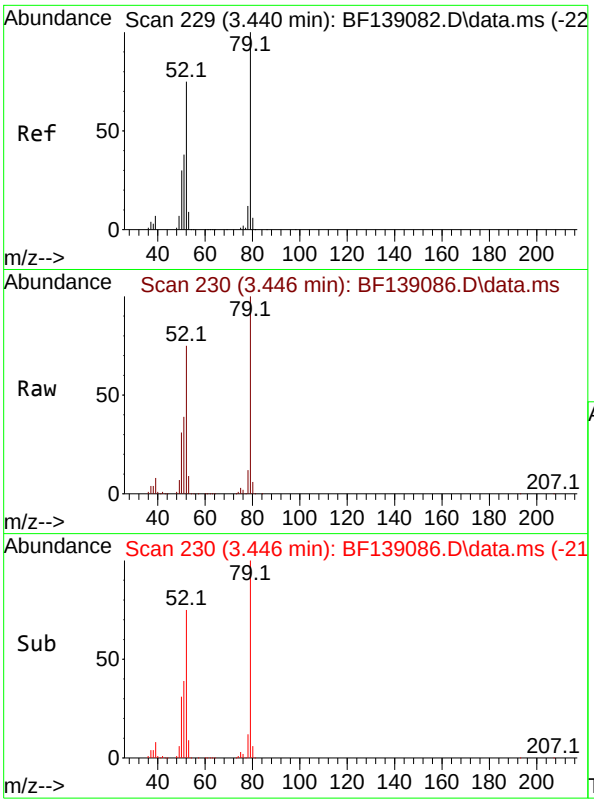


#2
1,4-Dioxane
Concen: 39.603 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 88 Resp: 145187

Ion	Ratio	Lower	Upper
88	100		
58	80.9	65.4	98.0
43	33.7	27.9	41.9



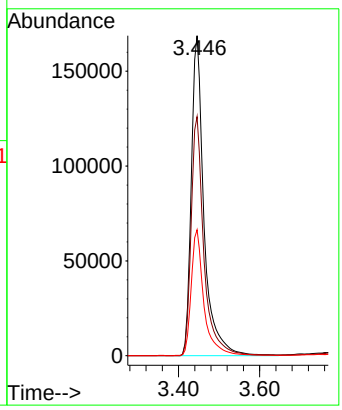


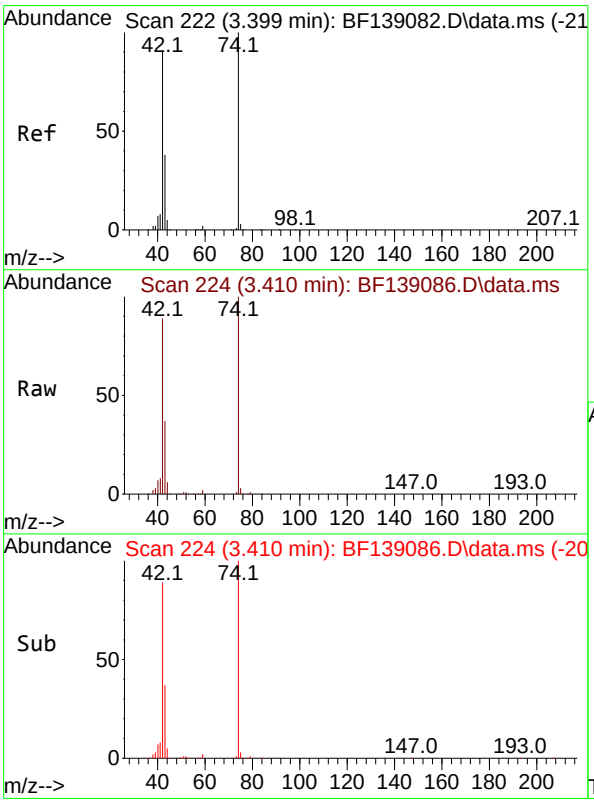
#3
Pyridine
Concen: 39.627 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 79 Resp: 369164

Ion	Ratio	Lower	Upper
79	100		
52	74.7	59.7	89.5
51	39.4	30.6	45.8

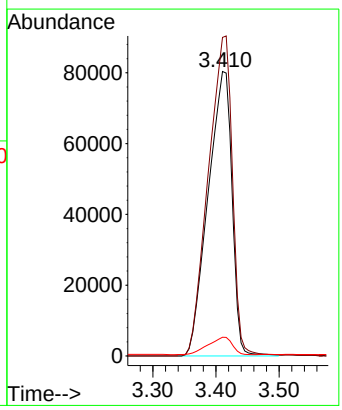


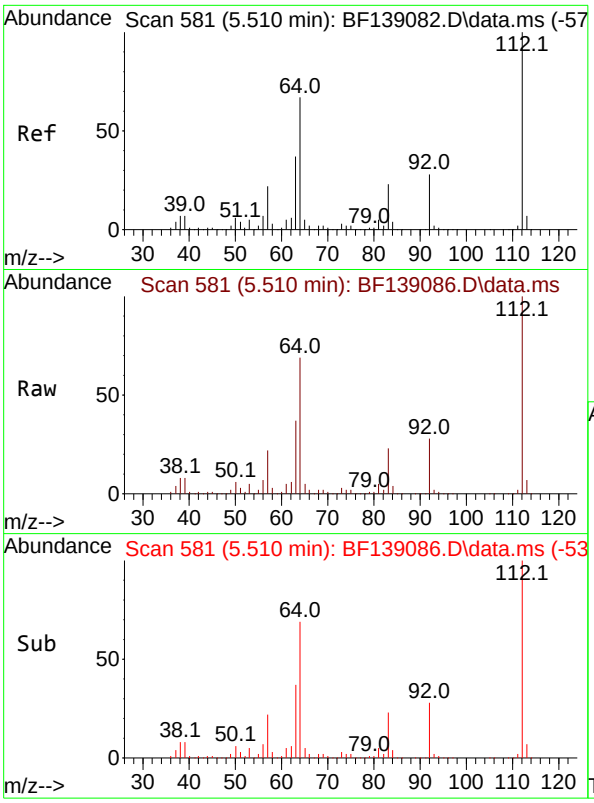


#4
n-Nitrosodimethylamine
Concen: 37.622 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.012 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 42 Resp: 211725

Ion	Ratio	Lower	Upper
42	100		
74	112.0	88.2	132.2
44	6.6	5.4	8.0



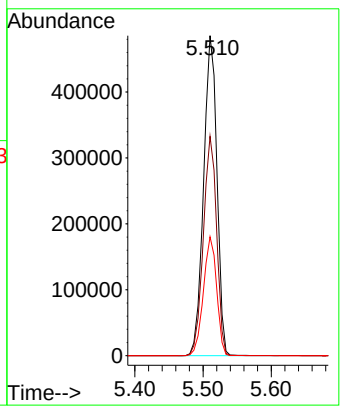


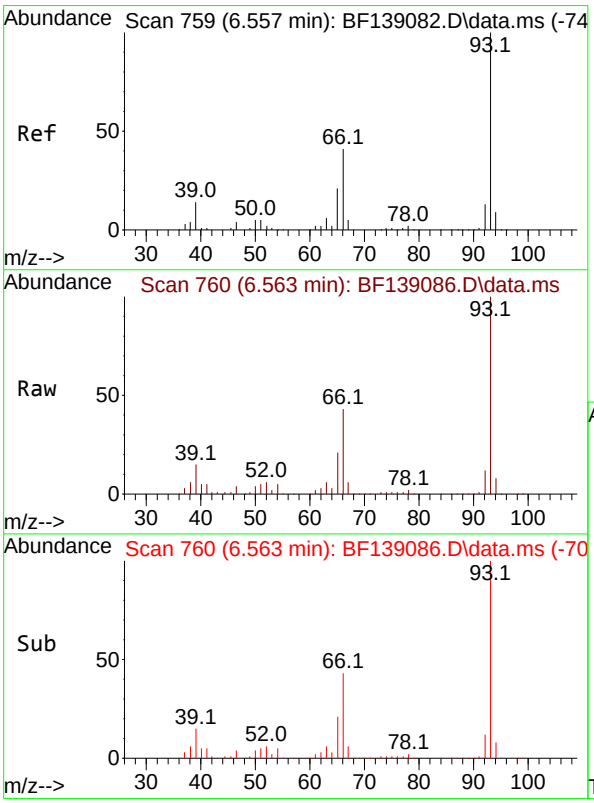
#5
2-Fluorophenol
Concen: 77.377 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:112 Resp: 661369

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.8	80.6
63	37.1	29.4	44.2

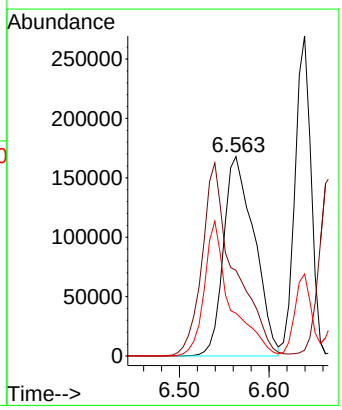


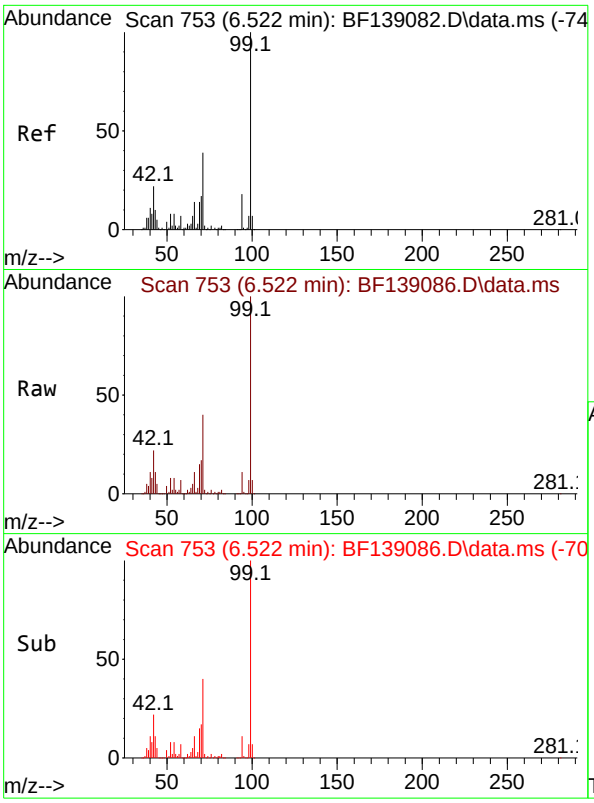


#6
Aniline
Concen: 40.159 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 93 Resp: 400396

Ion	Ratio	Lower	Upper
93	100		
66	43.0	35.1	52.7
65	21.4	17.4	26.2



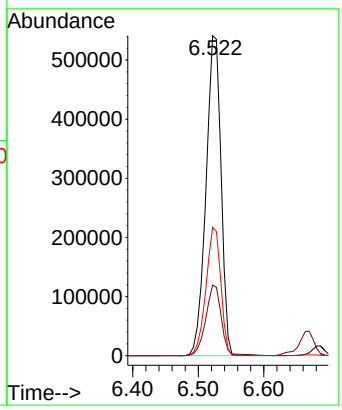


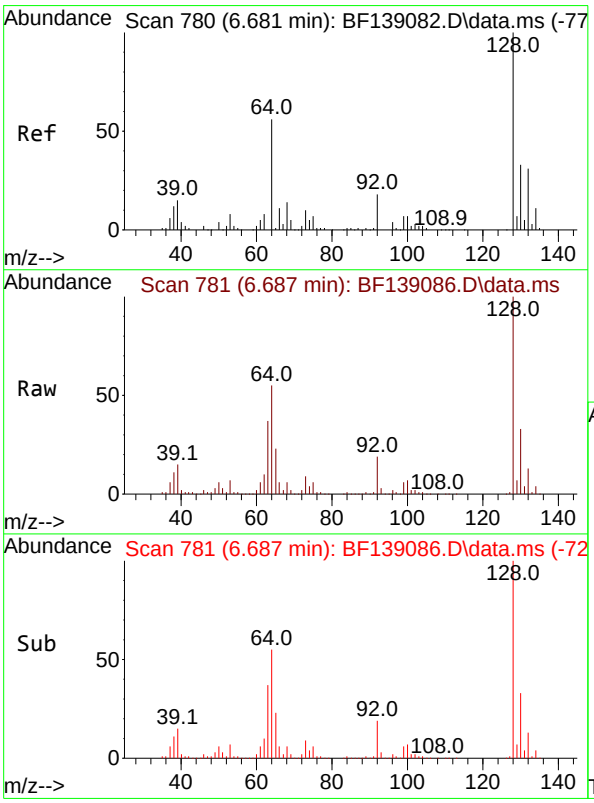
#7
Phenol-d6
Concen: 78.276 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 99 Resp: 864502

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.4	26.2
71	40.1	31.2	46.8

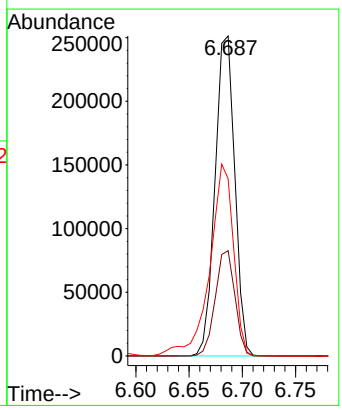


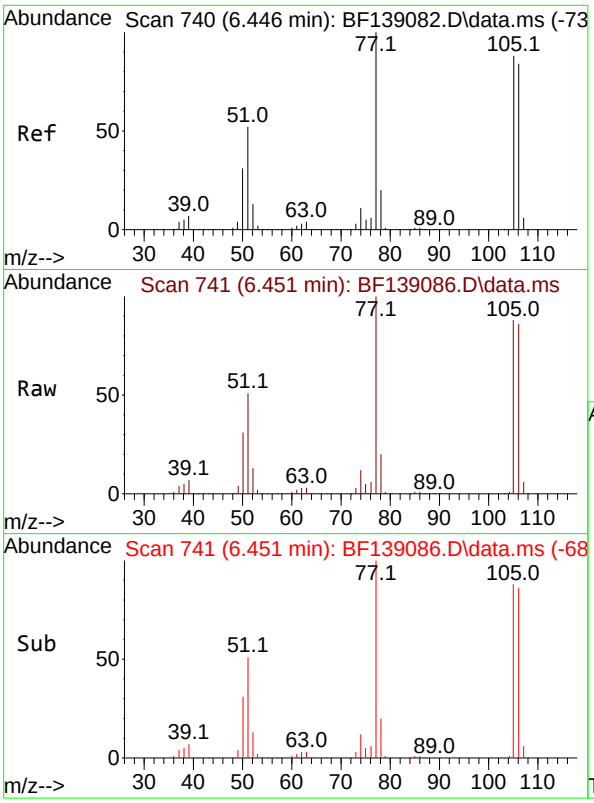


#8
2-Chlorophenol
Concen: 39.317 ng
RT: 6.687 min Scan# 781
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:128 Resp: 323230

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	55.4	39.1	79.1



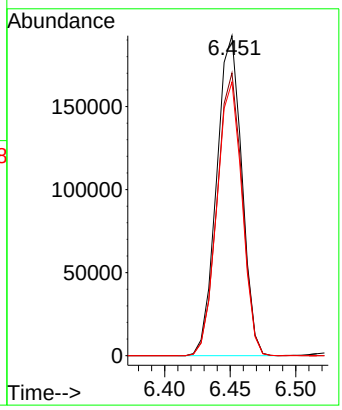


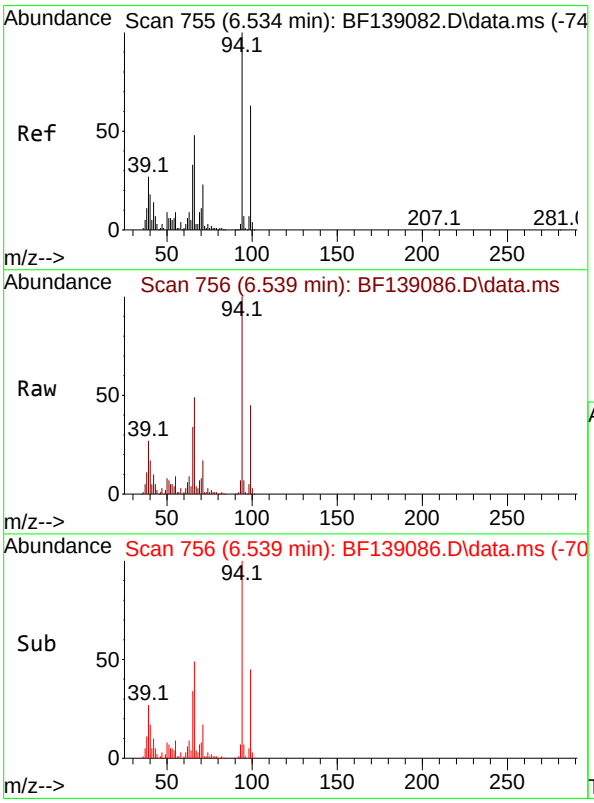
#9
Benzaldehyde
Concen: 39.738 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 77 Resp: 257395

Ion	Ratio	Lower	Upper
77	100		
105	88.3	68.2	108.2
106	85.5	63.8	103.8

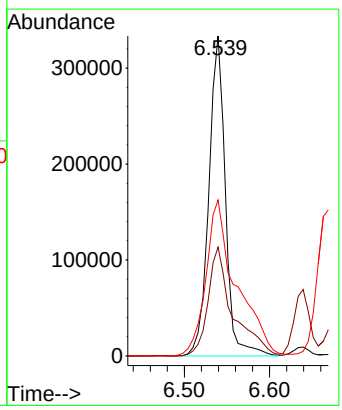


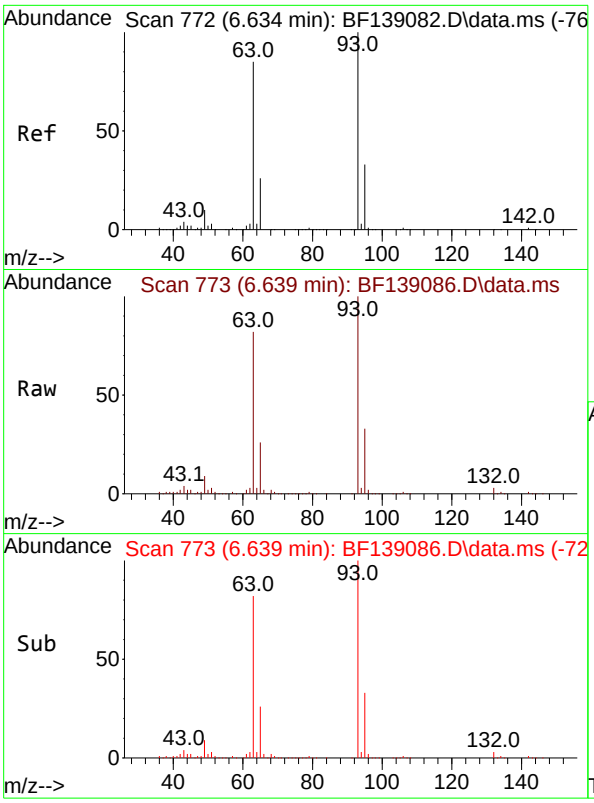


#10
Phenol
Concen: 39.467 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 94 Resp: 453541

Ion	Ratio	Lower	Upper
94	100		
65	34.0	13.5	53.5
66	48.8	28.5	68.5



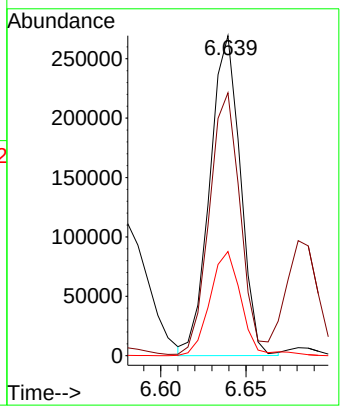


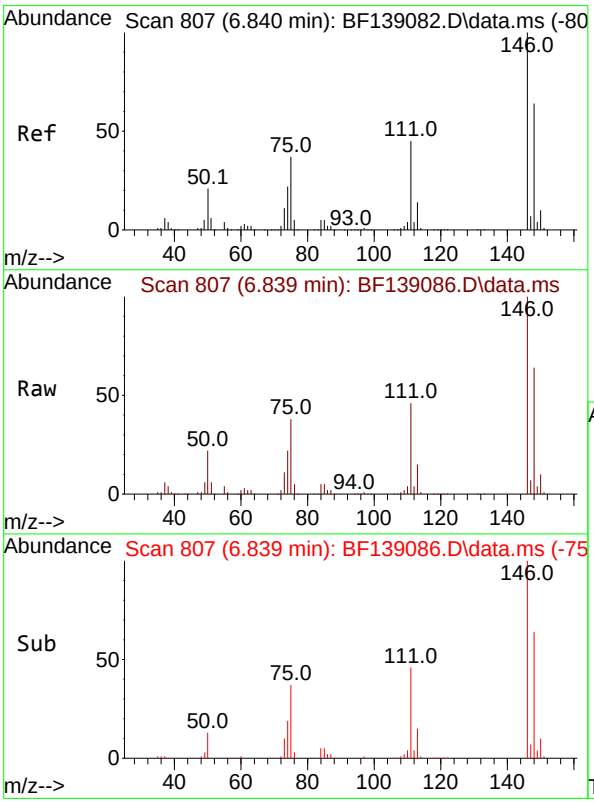
#11
bis(2-Chloroethyl)ether
Concen: 36.363 ng
RT: 6.639 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 93 Resp: 336049

Ion	Ratio	Lower	Upper
93	100		
63	82.2	62.7	102.7
95	32.6	11.9	51.9

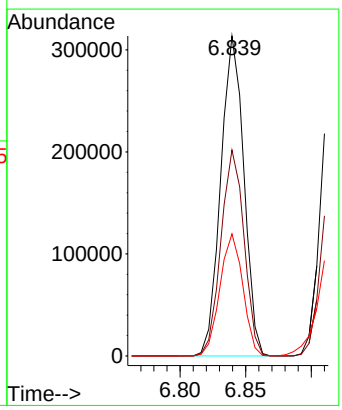


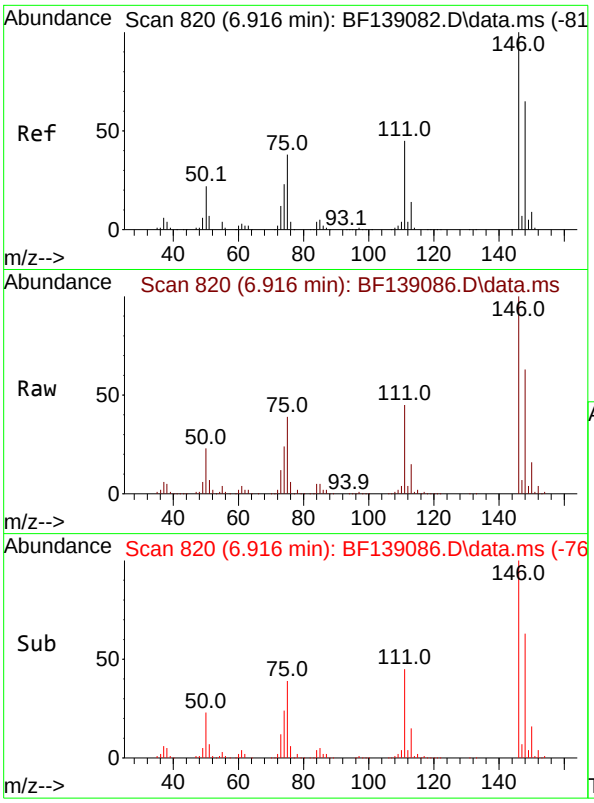


#12
1,3-Dichlorobenzene
Concen: 38.887 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:146 Resp: 384376

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	38.1	29.9	44.9



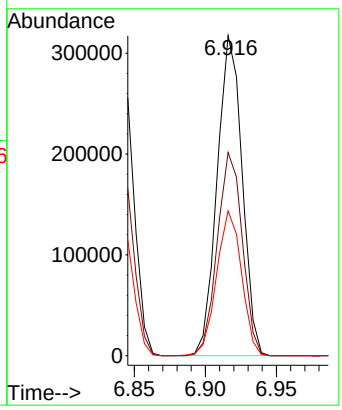


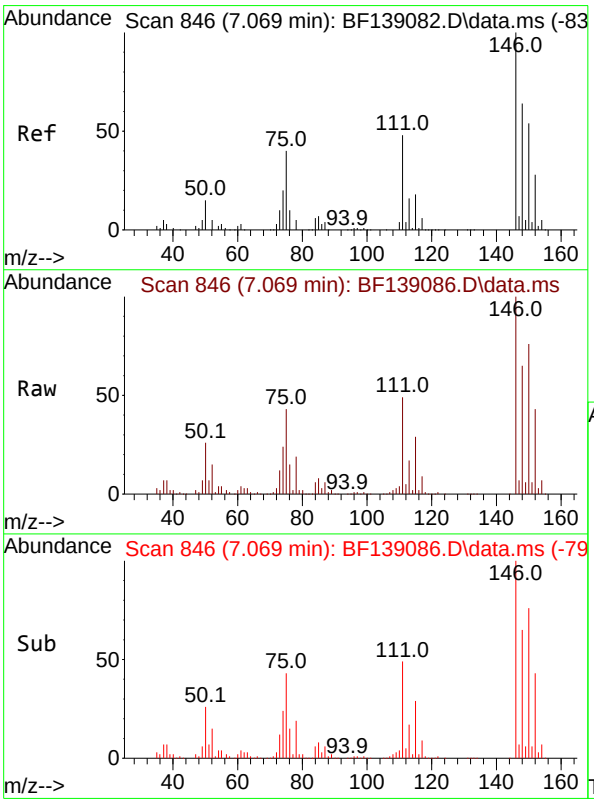
#13
1,4-Dichlorobenzene
Concen: 39.269 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:146 Resp: 388091

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	45.2	35.8	53.6

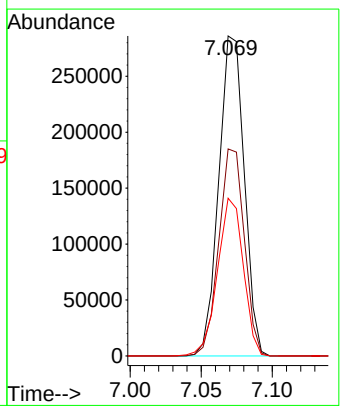


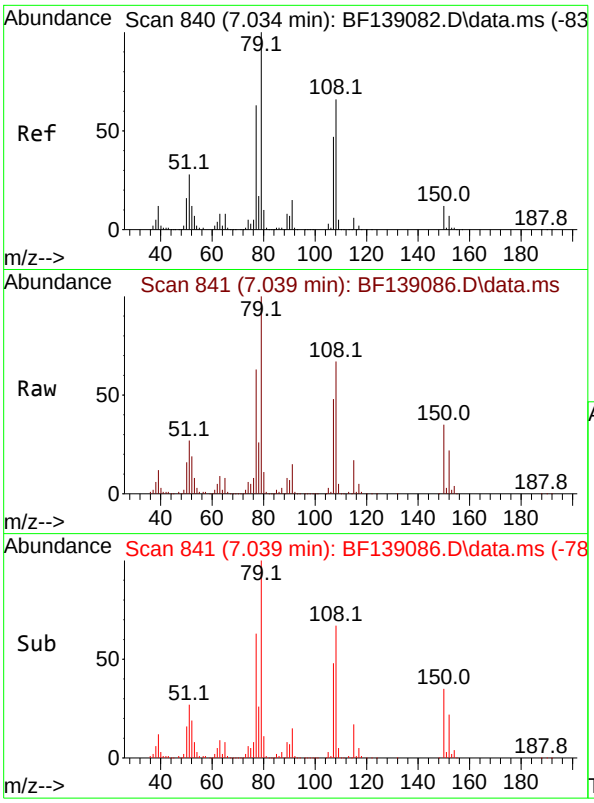


#14
1,2-Dichlorobenzene
Concen: 39.538 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:146 Resp: 357123

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	49.3	38.1	57.1



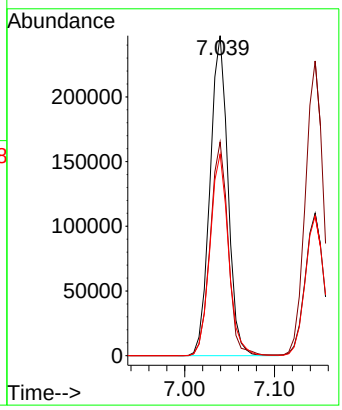


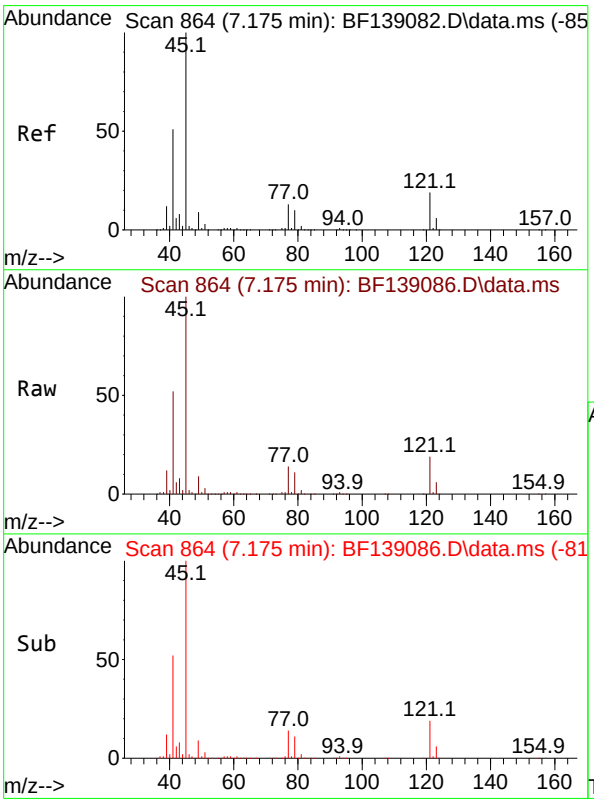
#15
Benzyl Alcohol
Concen: 39.320 ng
RT: 7.039 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 79 Resp: 343224

Ion	Ratio	Lower	Upper
79	100		
108	66.8	52.8	79.2
77	63.0	50.6	76.0

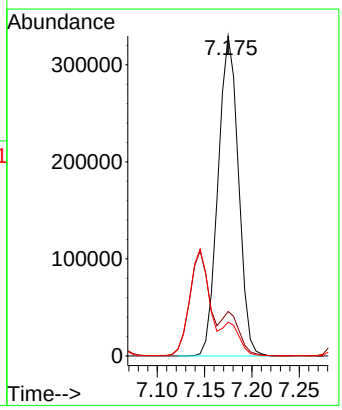


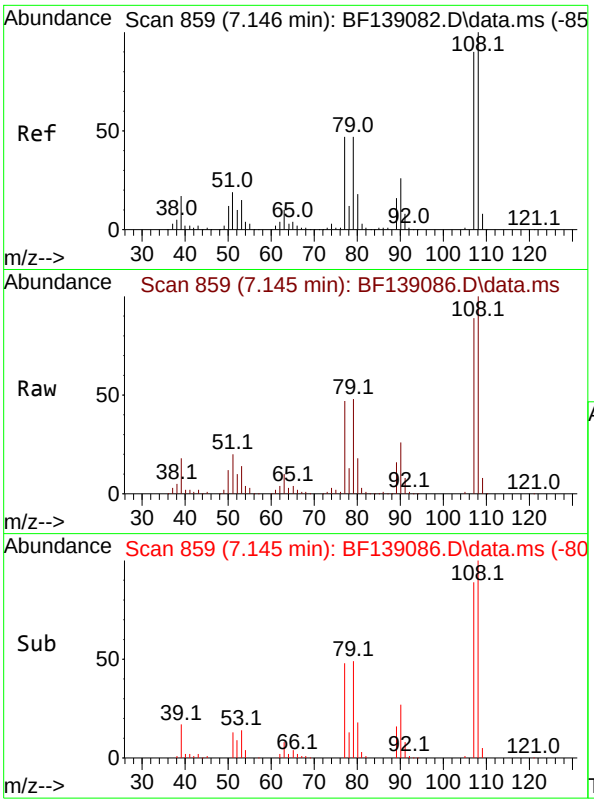


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.916 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 45 Resp: 493587

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	33.7
79	10.6	0.0	30.4



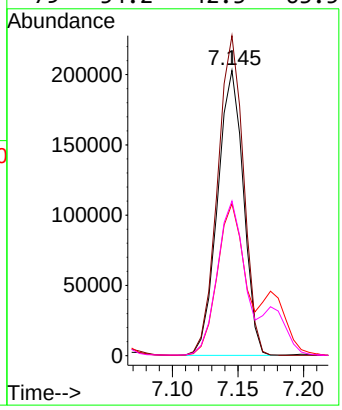


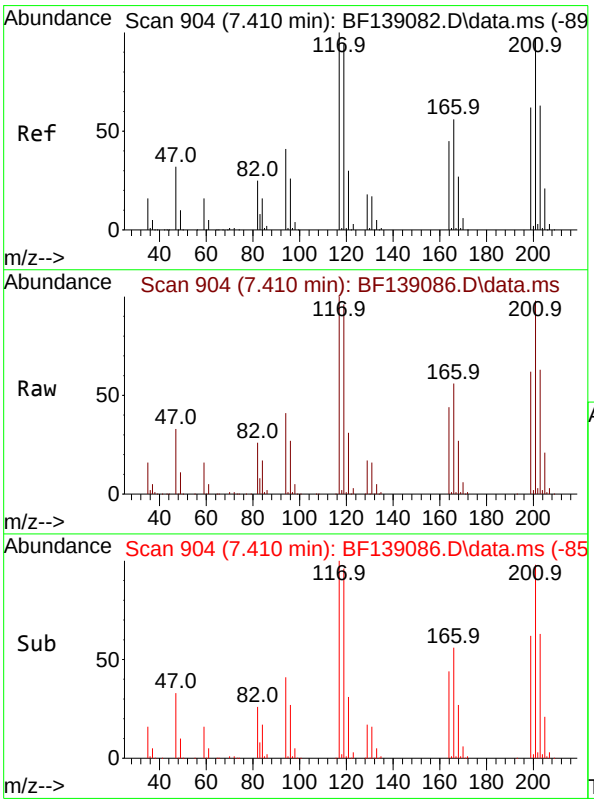
#17
2-Methylphenol
Concen: 39.512 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:107 Resp: 277901

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.1	133.7
77	53.3	42.1	63.1
79	54.2	42.3	63.5

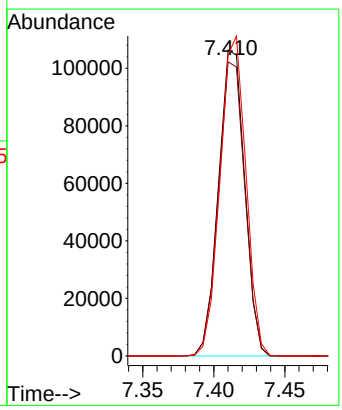


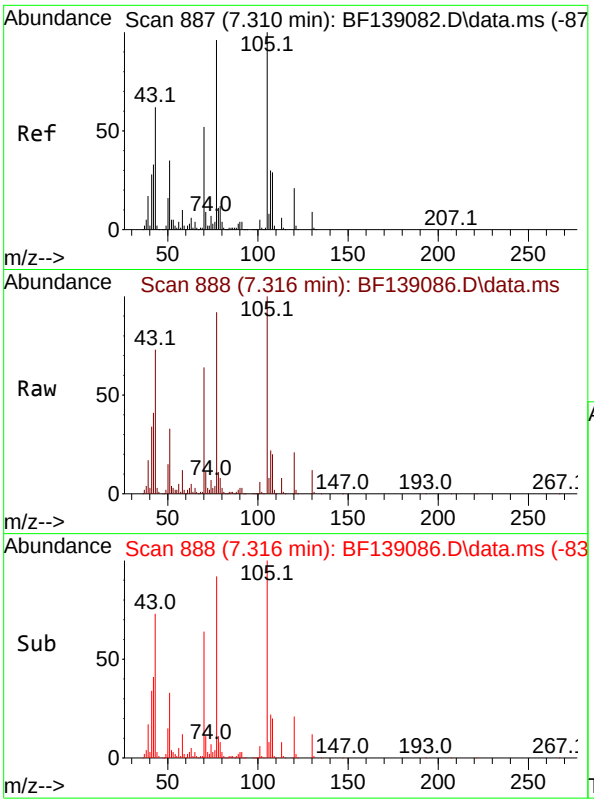


#18
Hexachloroethane
Concen: 39.525 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:117 Resp: 136978

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.5	113.3
201	98.3	77.8	116.8



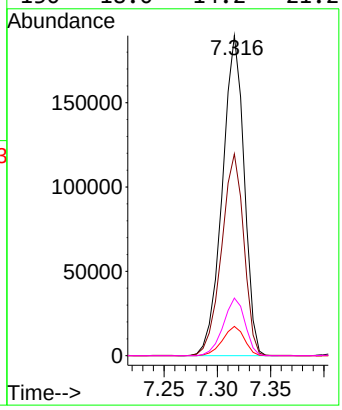


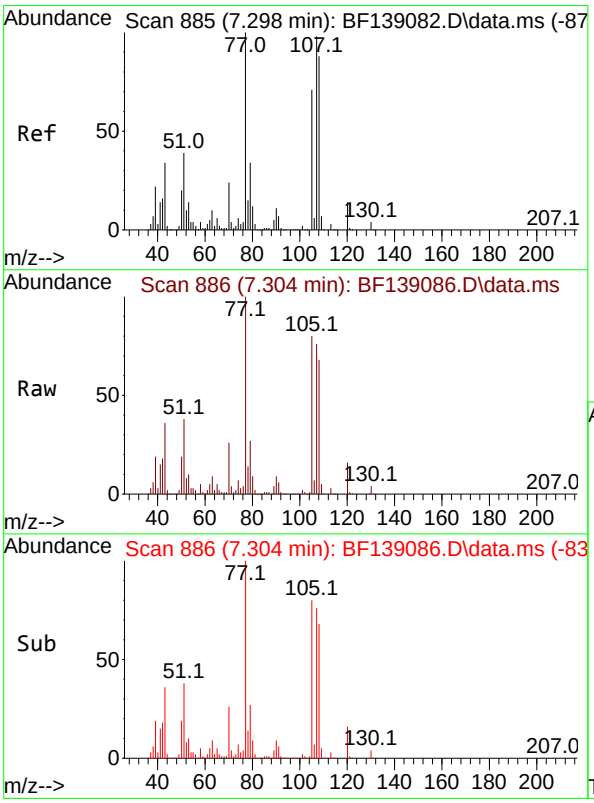
#19
n-Nitroso-di-n-propylamine
Concen: 37.225 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 70 Resp: 269988

Ion	Ratio	Lower	Upper
70	100		
42	63.0	50.5	75.7
101	9.2	7.2	10.8
130	18.0	14.2	21.2

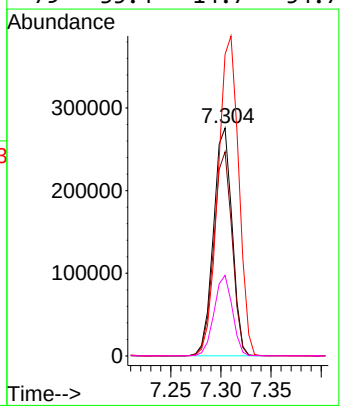


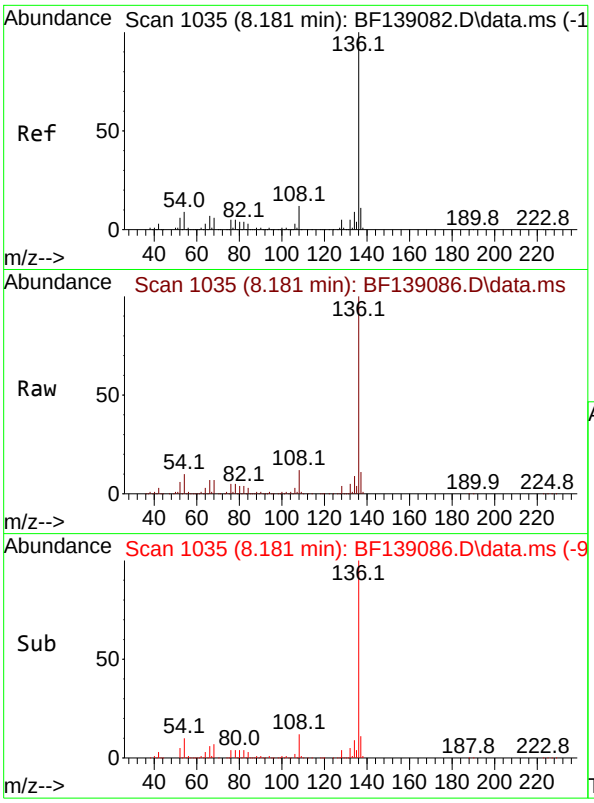


#20
3+4-Methylphenols
Concen: 38.947 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:107 Resp: 354908

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.2	110.2
77	132.2	82.7	122.7#
79	35.4	14.7	54.7



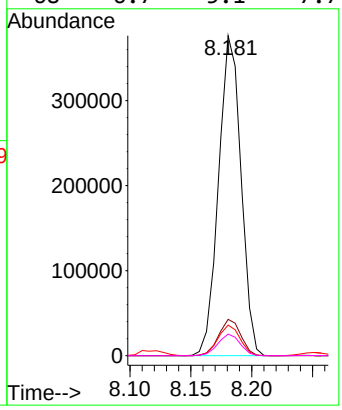


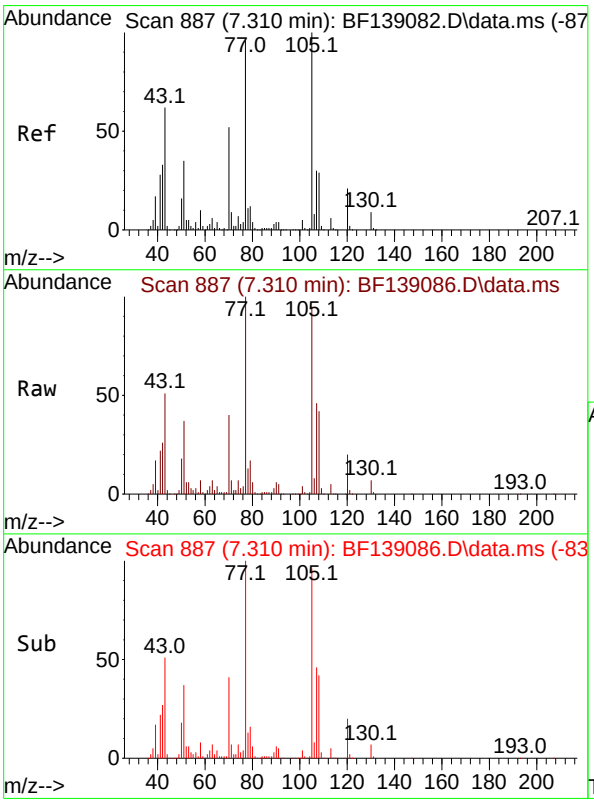
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:136 Resp: 482835

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	9.6	7.6	11.4
68	6.7	5.1	7.7

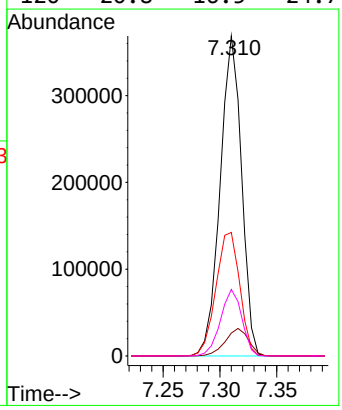


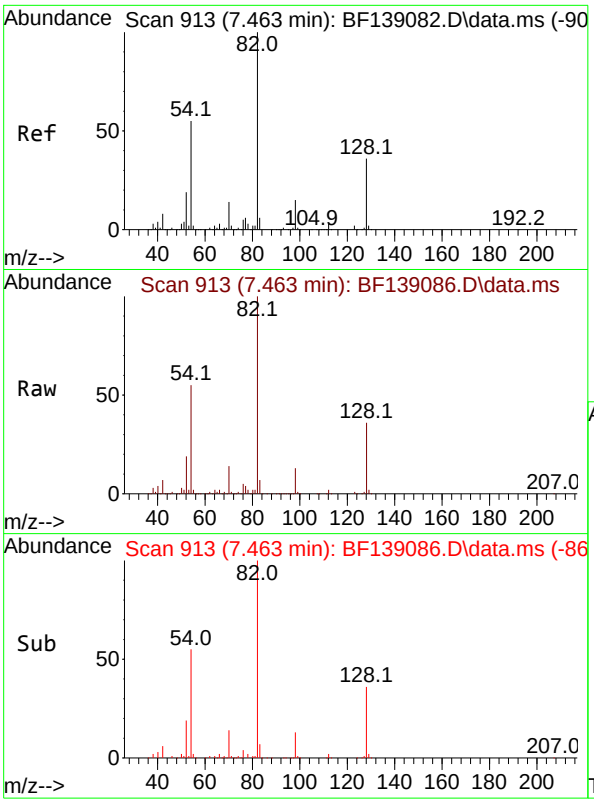


#22
Acetophenone
Concen: 39.114 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:105 Resp: 482210

Ion	Ratio	Lower	Upper
105	100		
71	7.1	7.0	10.6
51	38.6	28.0	42.0
120	20.8	16.5	24.7



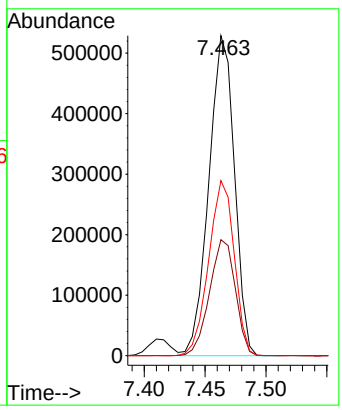


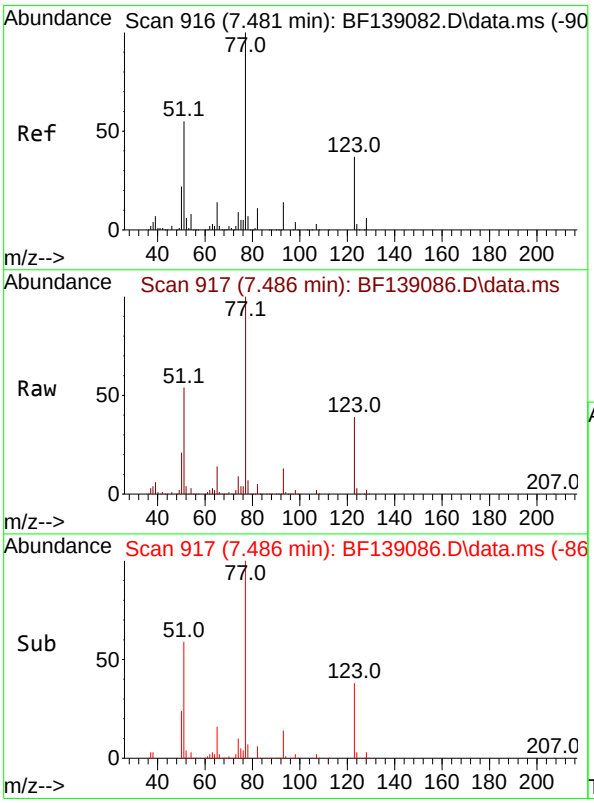
#23
Nitrobenzene-d5
Concen: 93.532 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 82 Resp: 775025

Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.0	43.4
54	54.7	43.4	65.2

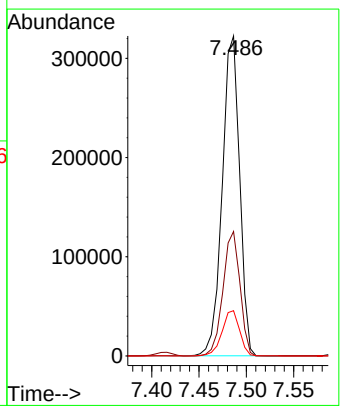


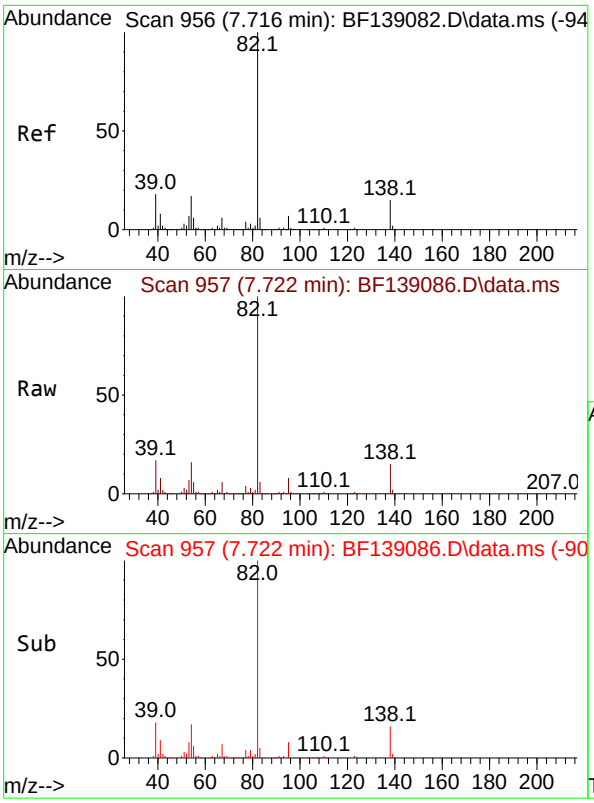


#24
Nitrobenzene
Concen: 44.775 ng
RT: 7.486 min Scan# 917
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 77 Resp: 412392

Ion	Ratio	Lower	Upper
77	100		
123	38.9	30.3	45.5
65	14.2	11.3	16.9



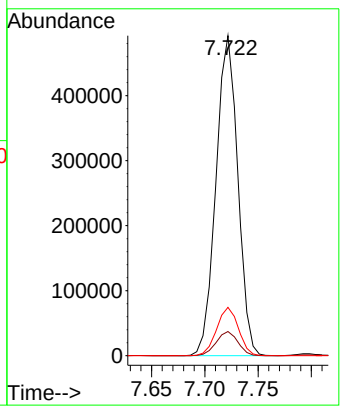


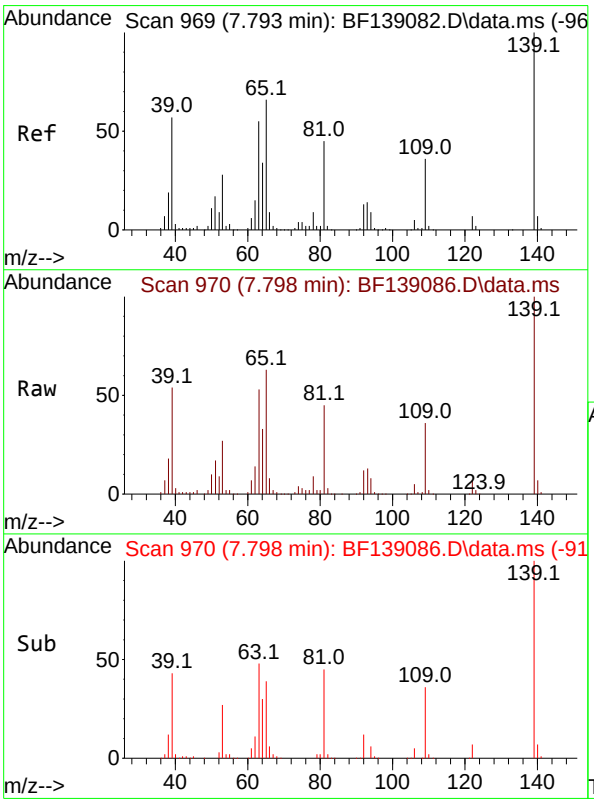
#25
Isophorone
Concen: 39.769 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 82 Resp: 700407

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	15.1	11.8	17.8

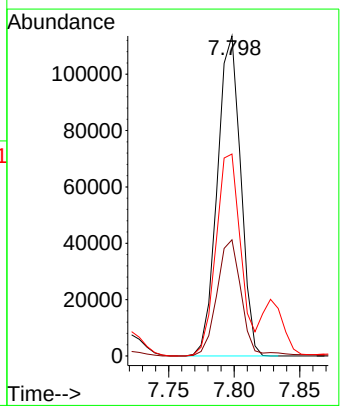


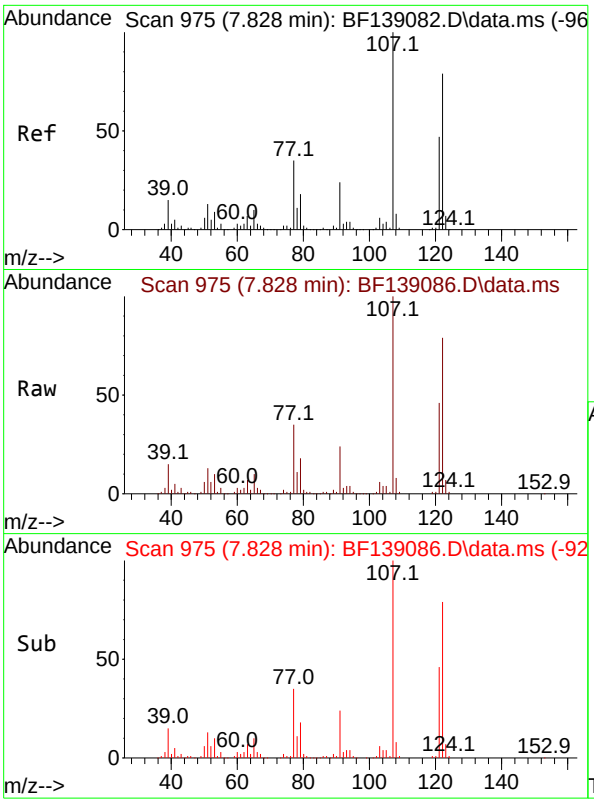


#26
2-Nitrophenol
Concen: 44.307 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:139 Resp: 140738

Ion	Ratio	Lower	Upper
139	100		
109	36.3	29.2	43.8
65	63.1	52.7	79.1



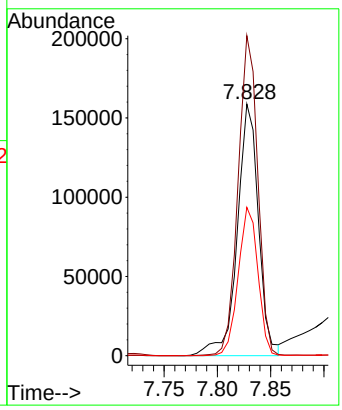


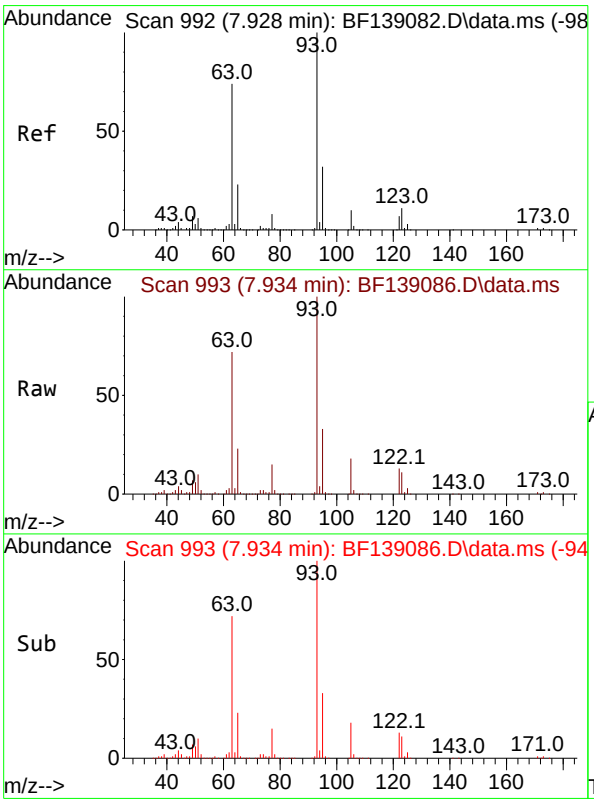
#27
2,4-Dimethylphenol
Concen: 39.399 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:122 Resp: 220037

Ion	Ratio	Lower	Upper
122	100		
107	127.2	101.1	151.7
121	59.0	47.5	71.3

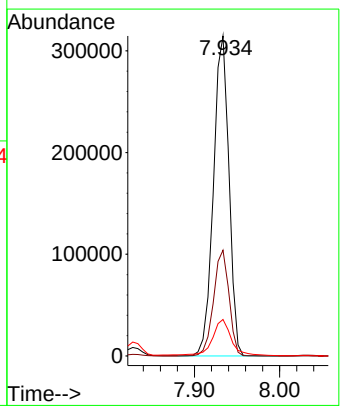


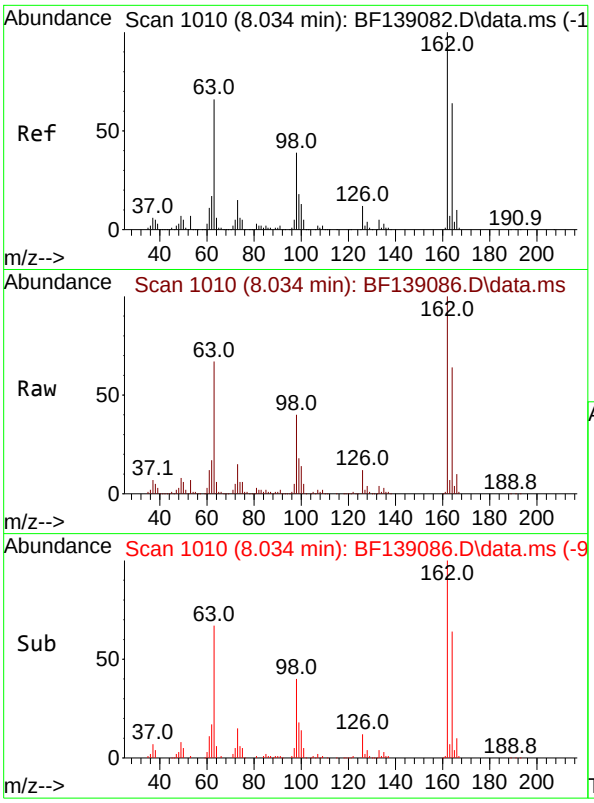


#28
bis(2-Chloroethoxy)methane
Concen: 38.636 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 93 Resp: 397597

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	11.4	8.9	13.3



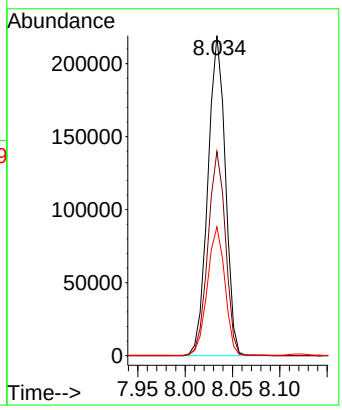


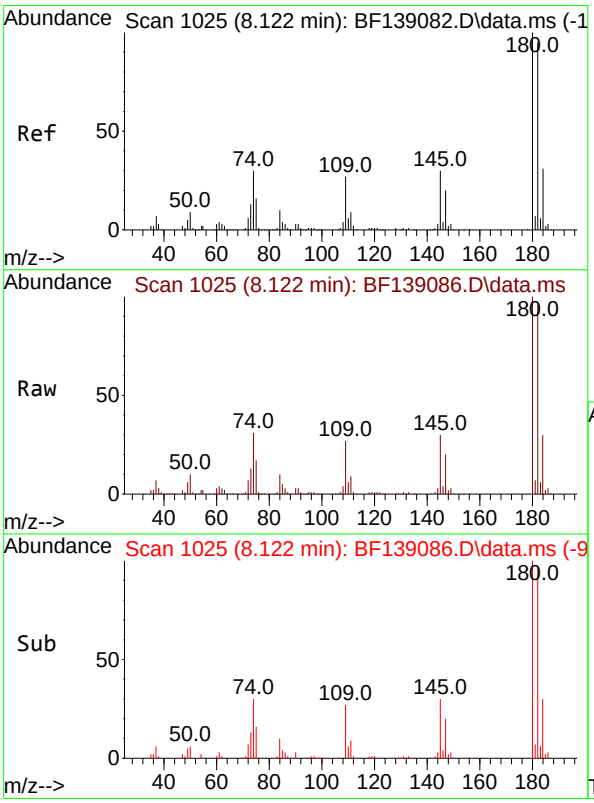
#29
2,4-Dichlorophenol
Concen: 40.406 ng
RT: 8.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:162 Resp: 281134

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.9	83.9
98	40.3	19.7	59.7

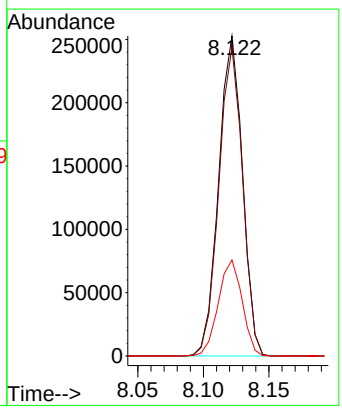


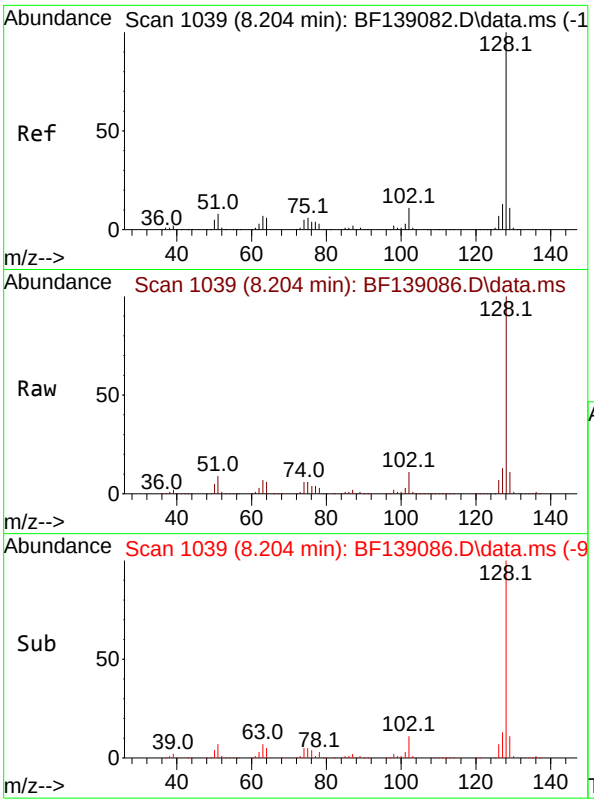


#30
1,2,4-Trichlorobenzene
Concen: 39.095 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:180 Resp: 318510

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	30.0	23.9	35.9



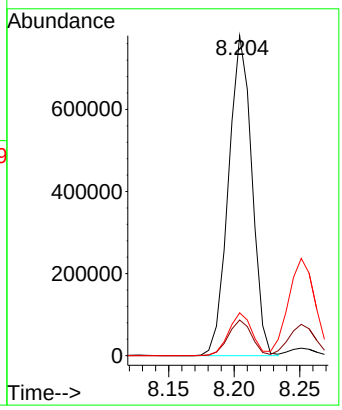


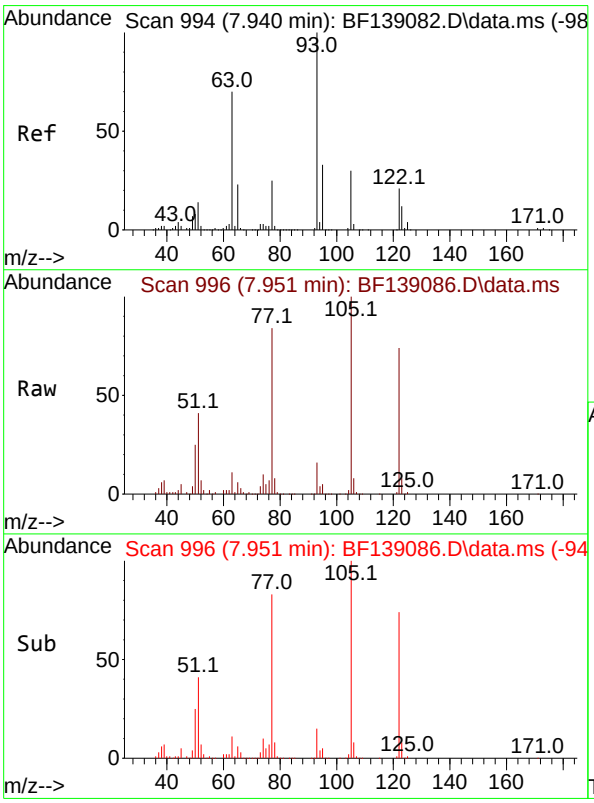
#31
Naphthalene
Concen: 39.482 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:128 Resp: 966033

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.7	16.1

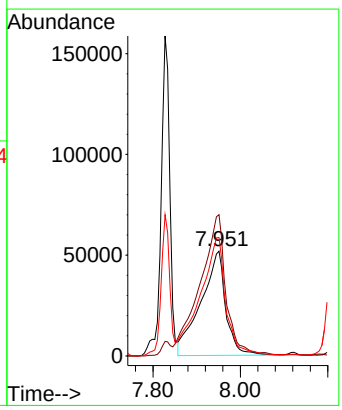


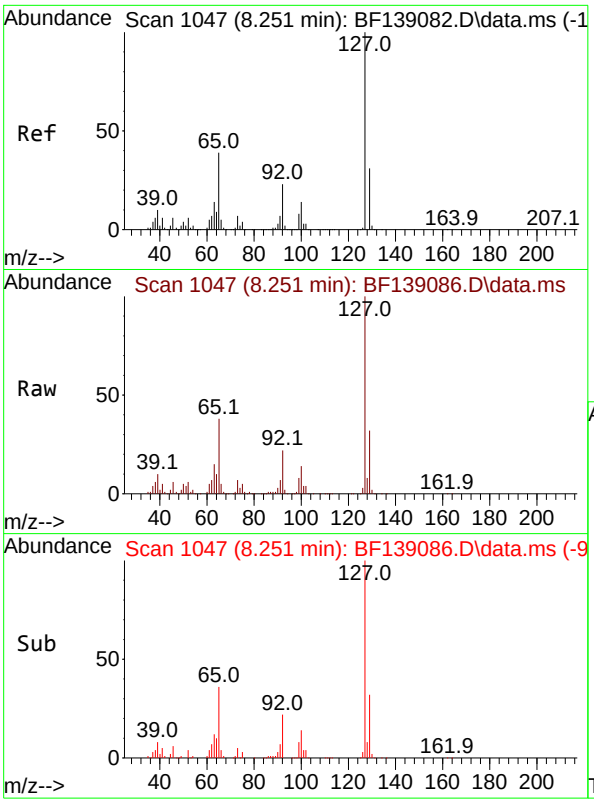


#32
Benzoic acid
Concen: 44.659 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:122 Resp: 204434

Ion	Ratio	Lower	Upper
122	100		
105	134.8	119.6	159.6
77	112.9	97.6	137.6



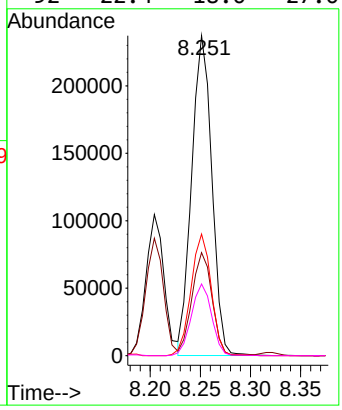


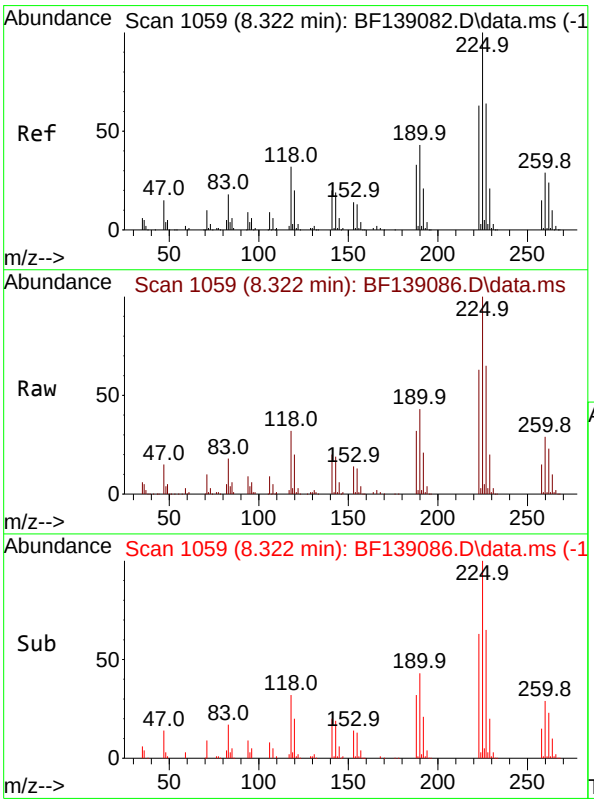
#33
4-Chloroaniline
Concen: 39.678 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:127 Resp: 332486

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	38.0	30.3	45.5
92	22.4	18.0	27.0

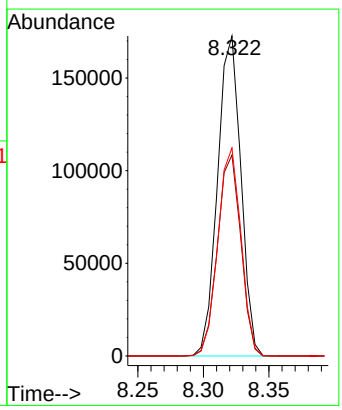


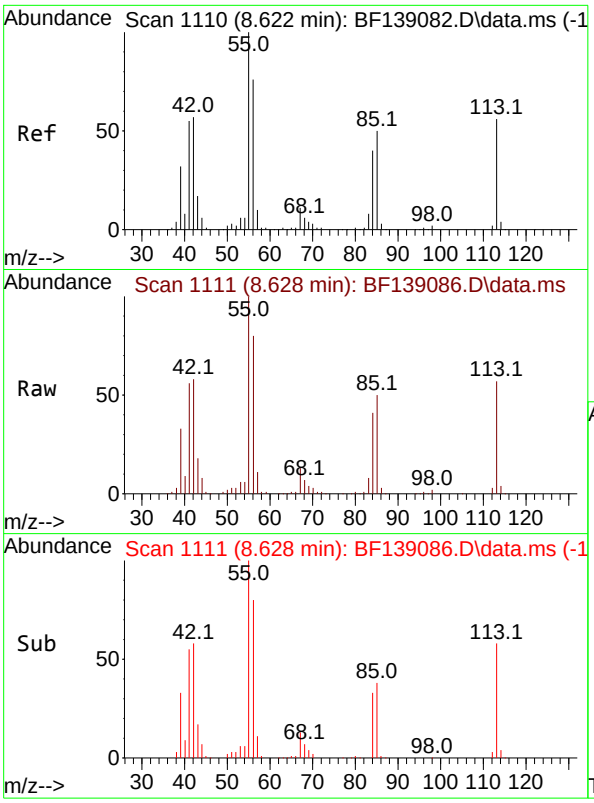


#34
Hexachlorobutadiene
Concen: 40.084 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:225 Resp: 213327

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.0	75.0
227	65.0	51.4	77.2



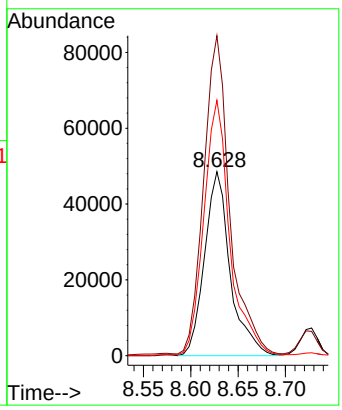


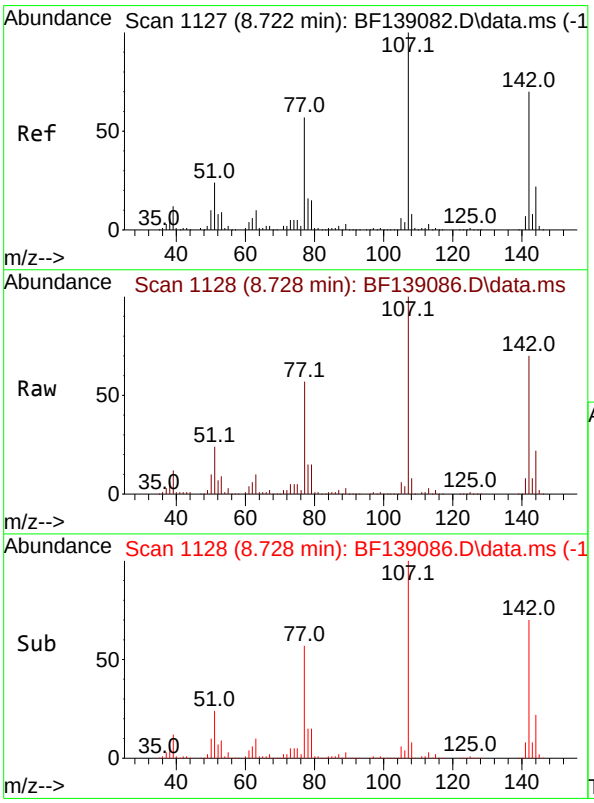
#35
Caprolactam
Concen: 41.544 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:113 Resp: 91642

Ion	Ratio	Lower	Upper
113	100		
55	174.0	158.6	198.6
56	138.9	115.9	155.9

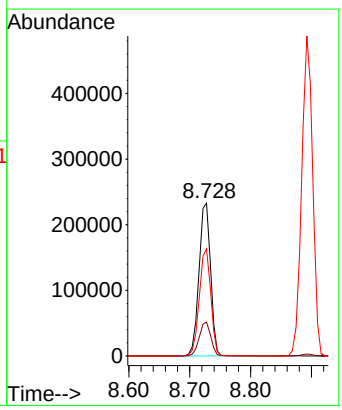


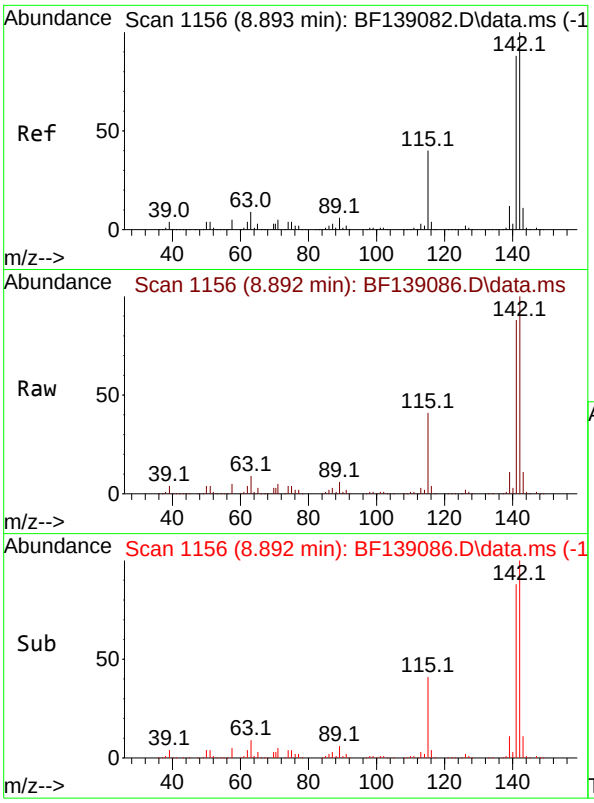


#36
4-Chloro-3-methylphenol
Concen: 40.003 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:107 Resp: 308176

Ion	Ratio	Lower	Upper
107	100		
144	22.2	17.7	26.5
142	70.0	55.6	83.4



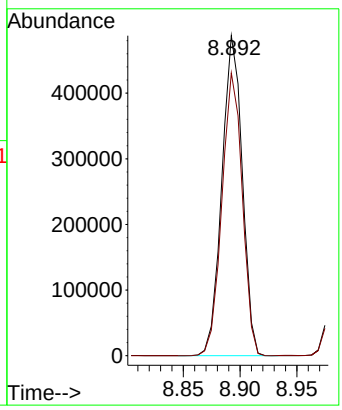


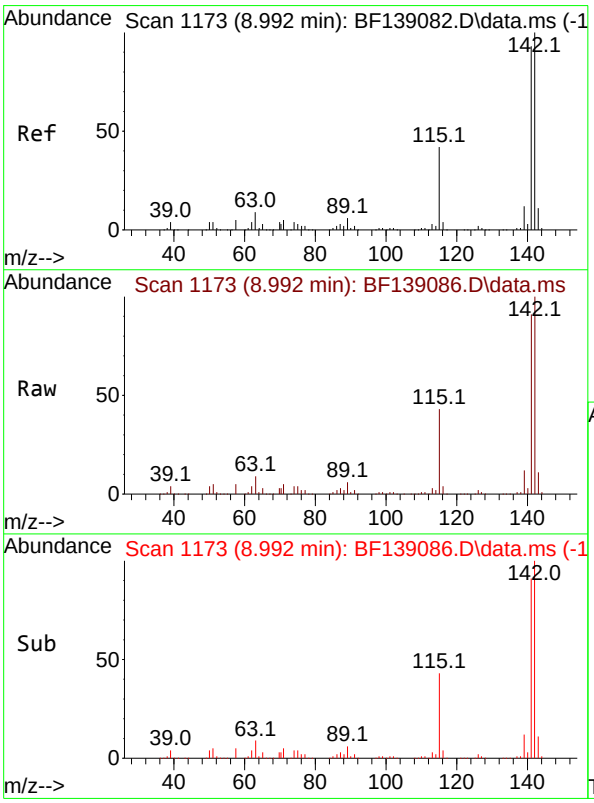
#37
2-Methylnaphthalene
Concen: 38.796 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:142 Resp: 608864

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	105.8

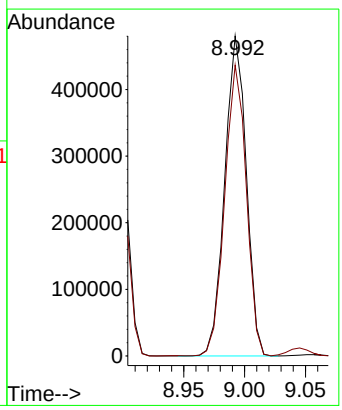


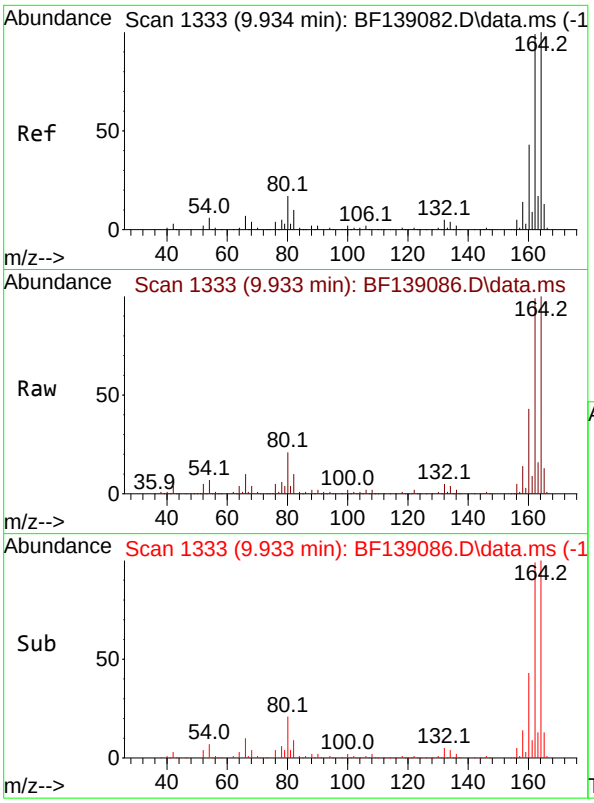


#38
1-Methylnaphthalene
Concen: 39.143 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:142 Resp: 592889

Ion	Ratio	Lower	Upper
142	100		
141	90.9	74.1	111.1



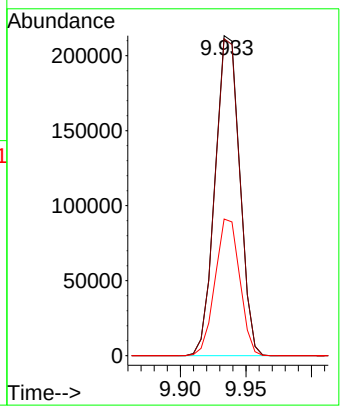


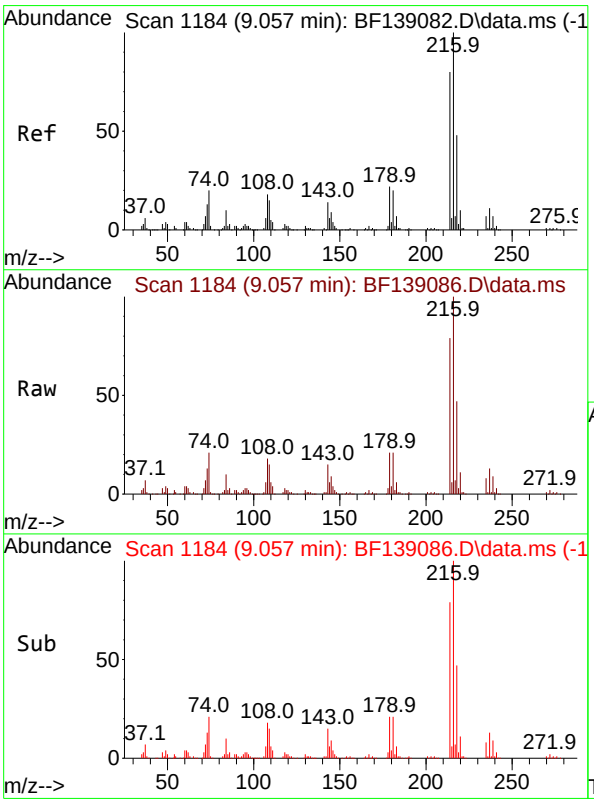
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:164 Resp: 279151

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.5	119.3
160	42.7	34.5	51.7

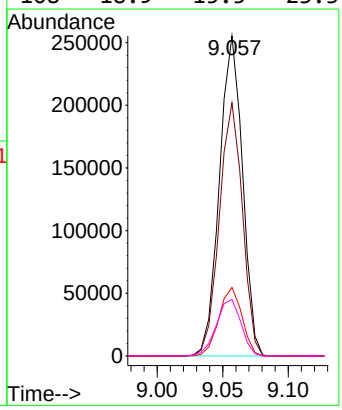


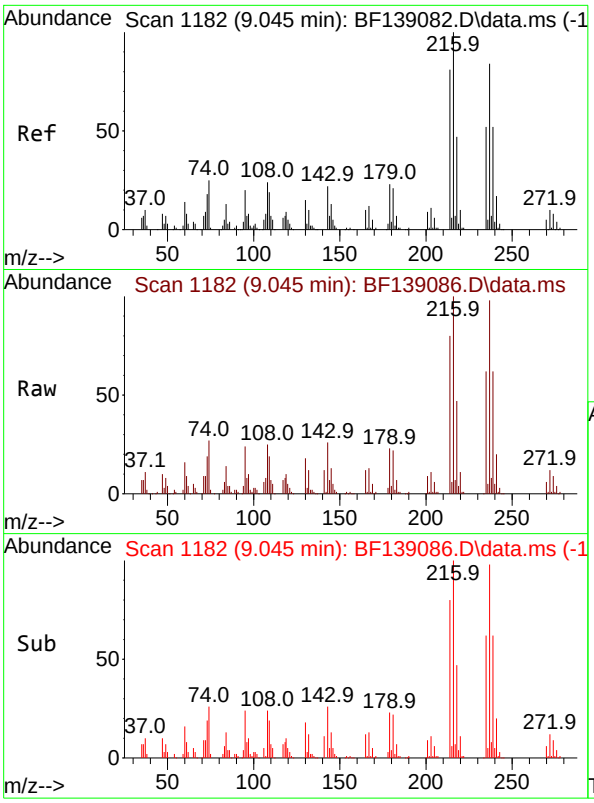


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.567 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:216 Resp: 311505

Ion	Ratio	Lower	Upper
216	100		
214	79.0	64.2	96.2
179	21.5	17.4	26.2
108	18.9	15.5	23.3



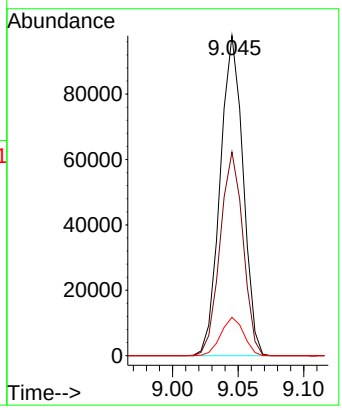


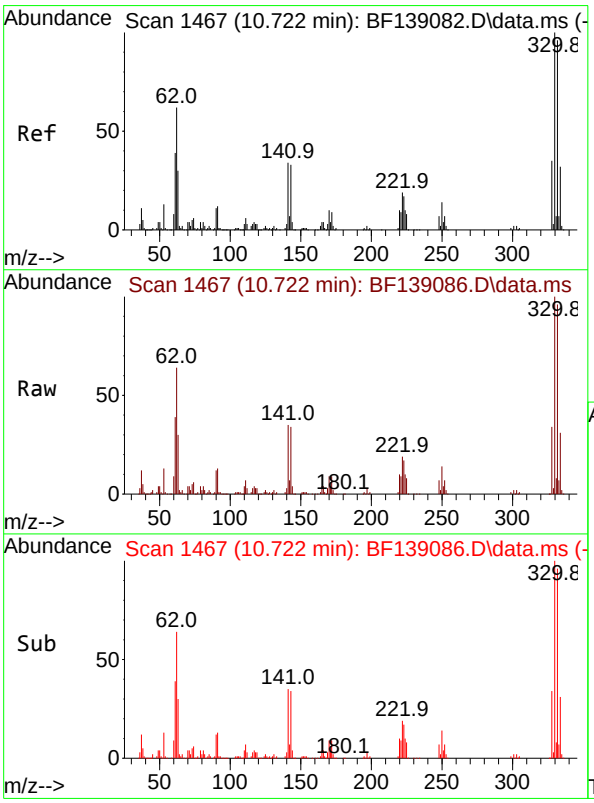
#41
Hexachlorocyclopentadiene
Concen: 40.411 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:237 Resp: 118697

Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.5	82.5
272	12.0	0.0	32.0

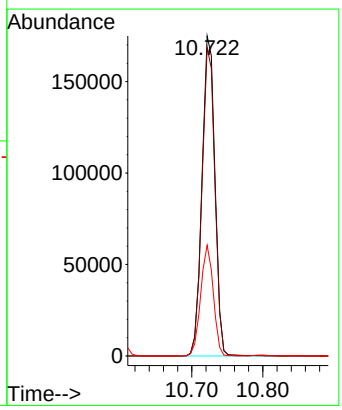


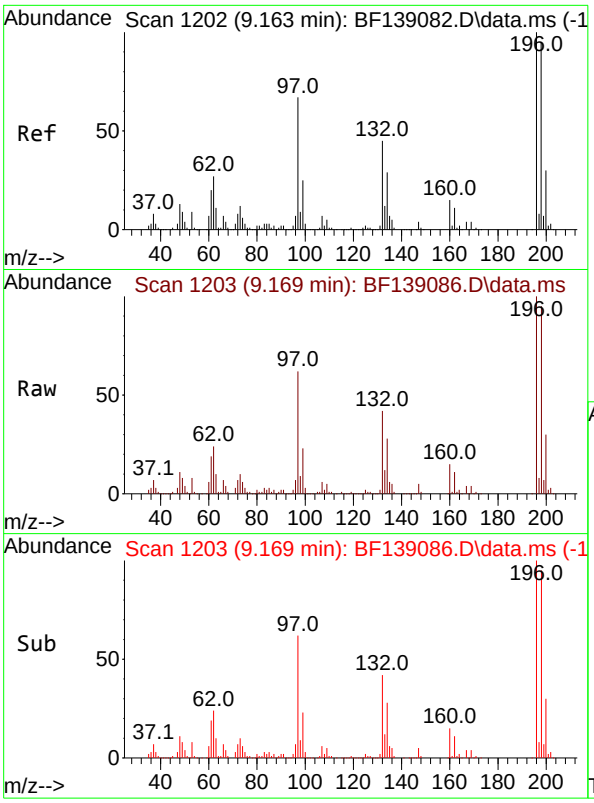


#42
2,4,6-Tribromophenol
Concen: 87.807 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:330 Resp: 221899

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	33.8	27.5	41.3



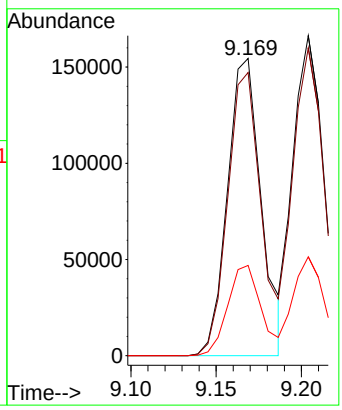


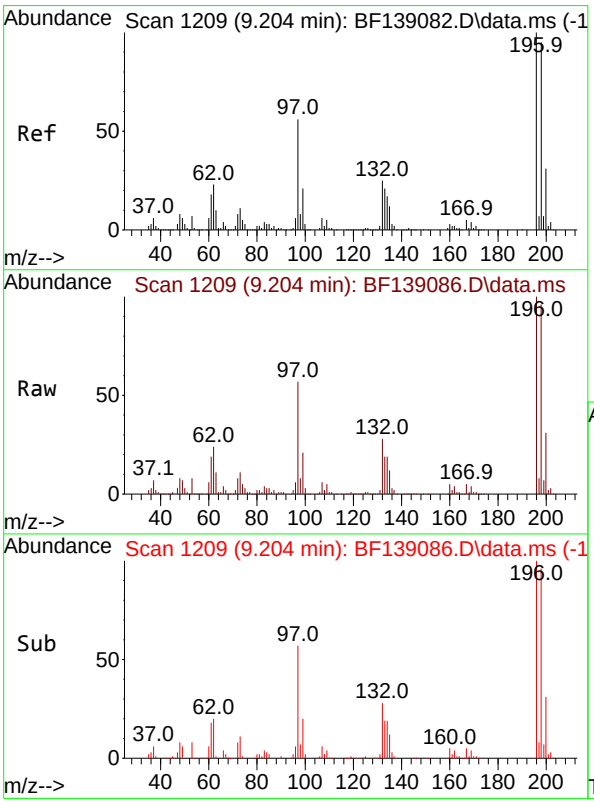
#43
2,4,6-Trichlorophenol
Concen: 41.317 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:196 Resp: 213091

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.4	114.6
200	30.4	23.8	35.8

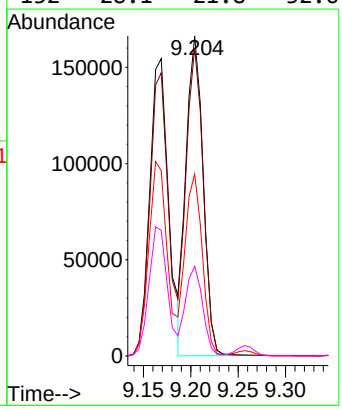


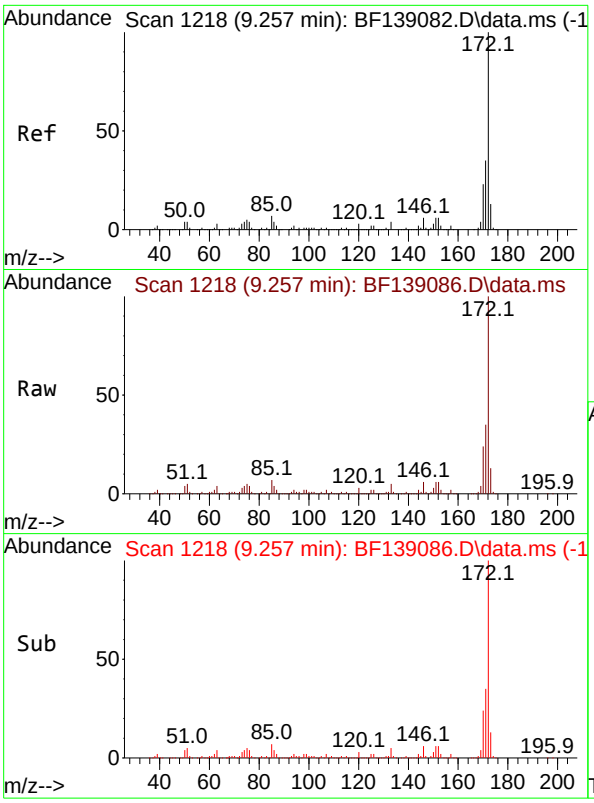


#44
2,4,5-Trichlorophenol
Concen: 39.434 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:196 Resp: 208758

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	114.8
97	56.9	44.6	67.0
132	28.1	21.8	32.6



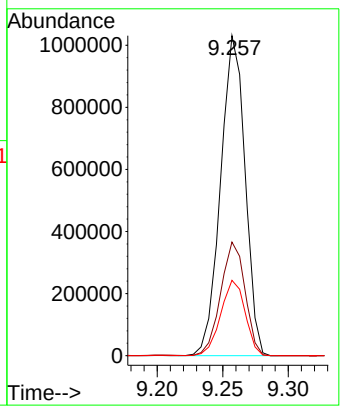


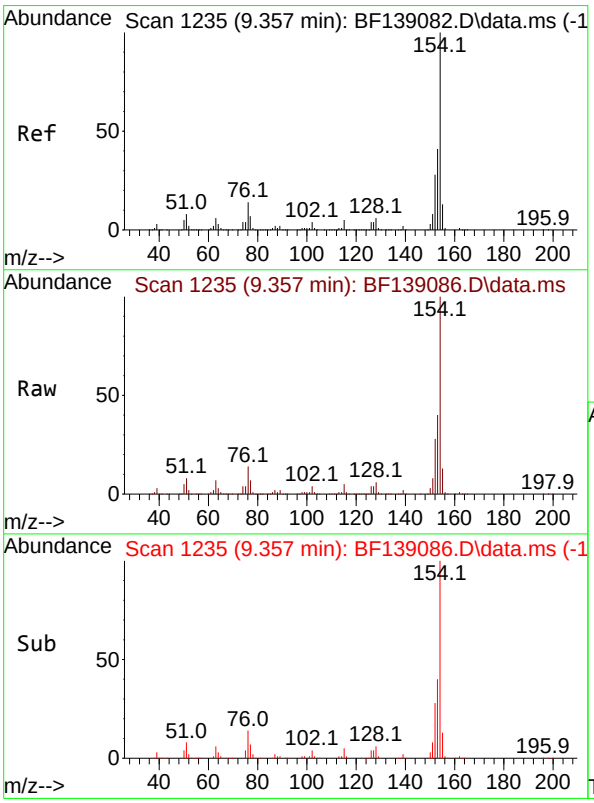
#45
2-Fluorobiphenyl
Concen: 76.128 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:172 Resp: 1339409

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.6	18.8	28.2

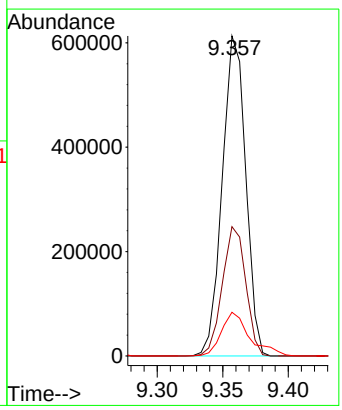


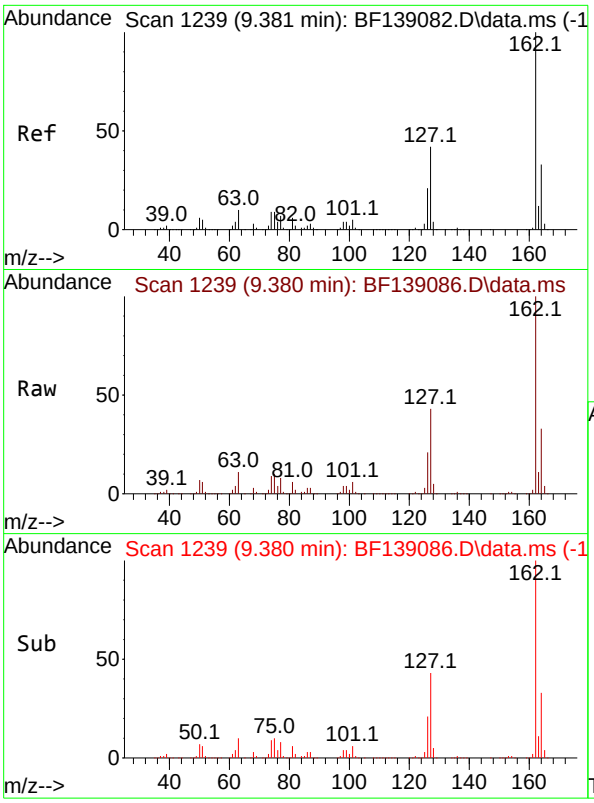


#46
1,1'-Biphenyl
Concen: 39.902 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:154 Resp: 763030

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.6	60.6
76	13.7	0.0	33.6



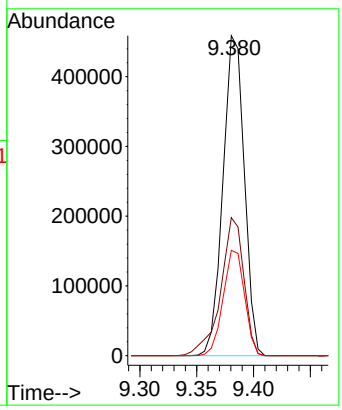


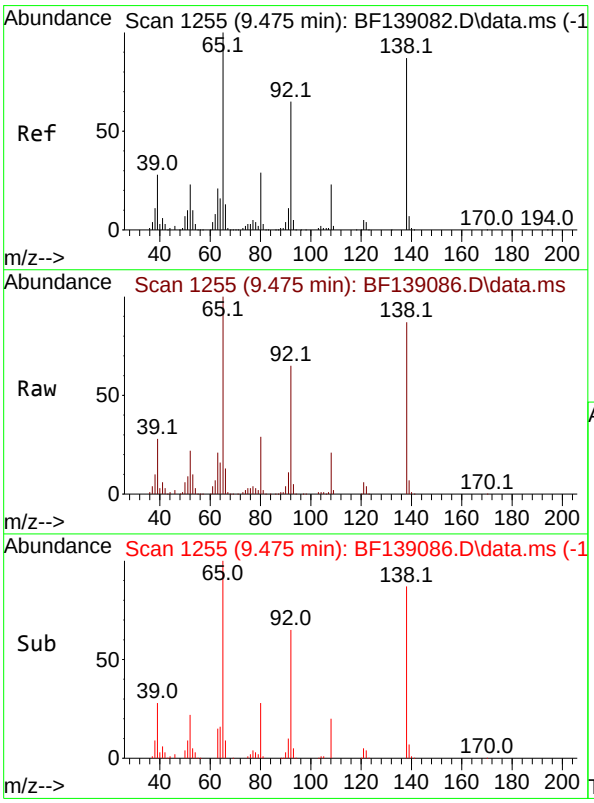
#47
2-Chloronaphthalene
Concen: 38.708 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:162 Resp: 601423

Ion	Ratio	Lower	Upper
162	100		
127	43.1	33.8	50.6
164	32.9	26.3	39.5

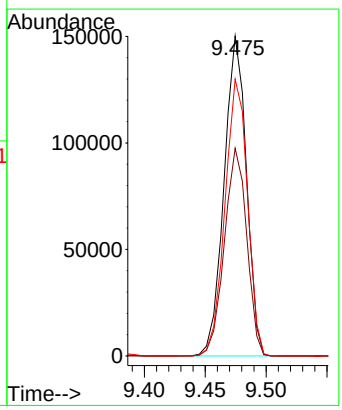


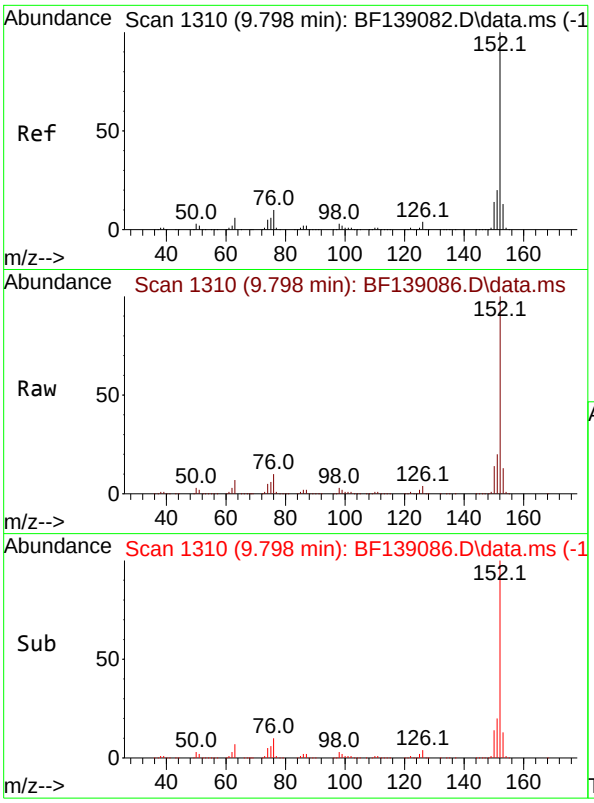


#48
2-Nitroaniline
Concen: 43.634 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion: 65 Resp: 191713

Ion	Ratio	Lower	Upper
65	100		
92	64.9	52.4	78.6
138	86.5	69.4	104.0



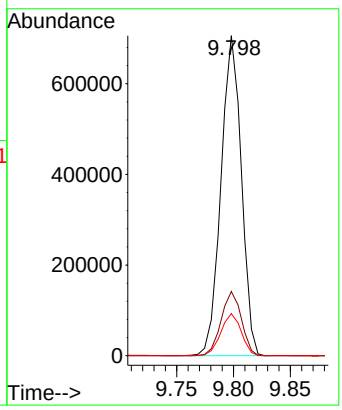


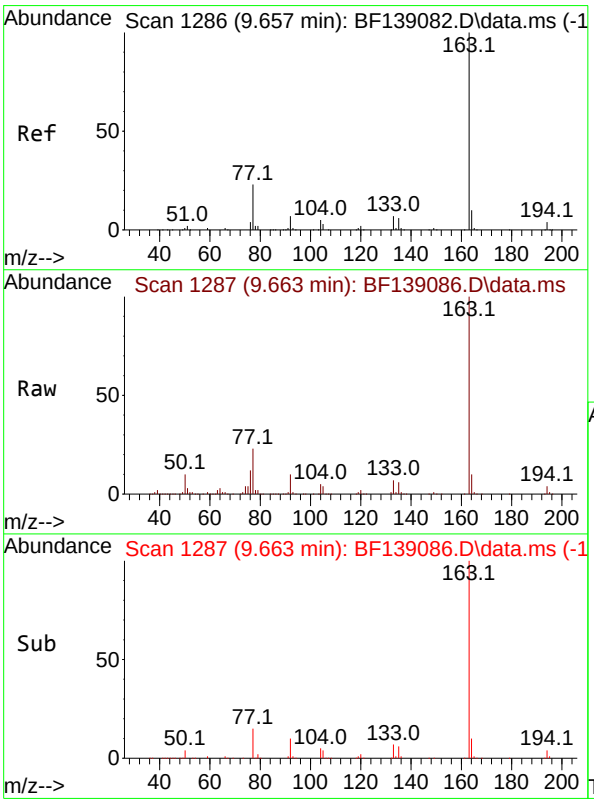
#49
Acenaphthylene
Concen: 39.533 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:152 Resp: 879919

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	15.8

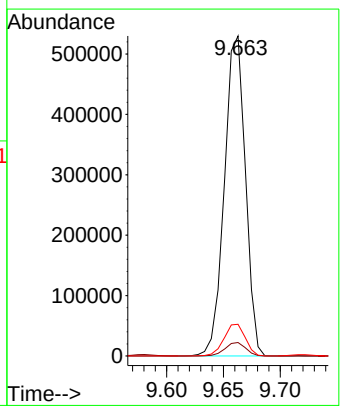


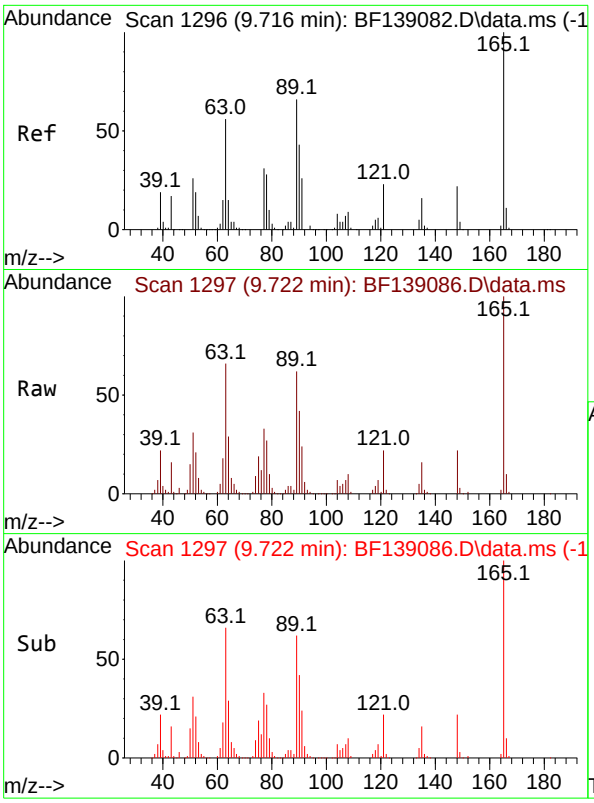


#50
Dimethylphthalate
Concen: 39.598 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:163 Resp: 682415

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.2	12.2



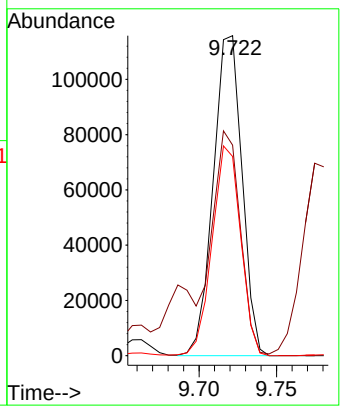


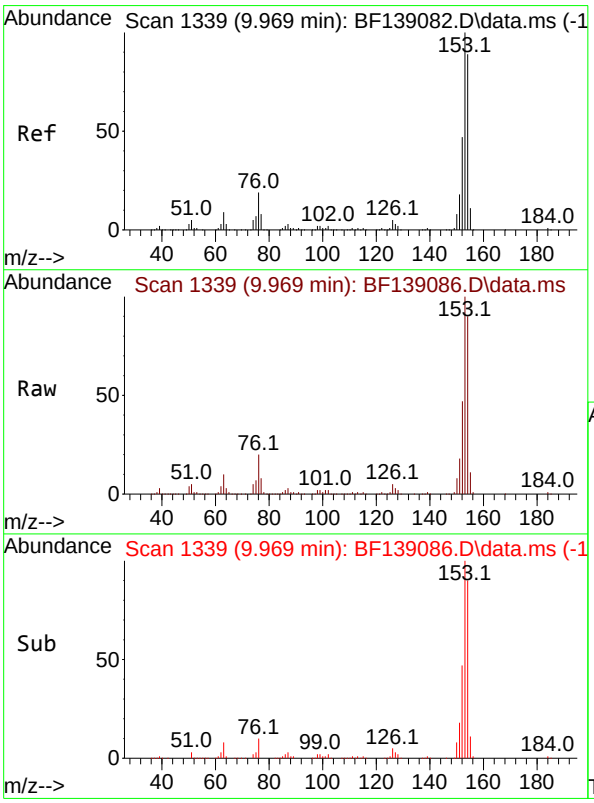
#51
2,6-Dinitrotoluene
Concen: 43.760 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:165 Resp: 149746

Ion	Ratio	Lower	Upper
165	100		
63	65.8	58.0	87.0
89	62.2	53.3	79.9

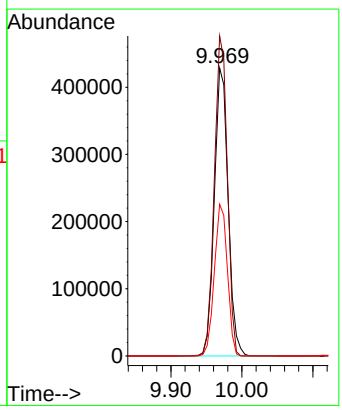


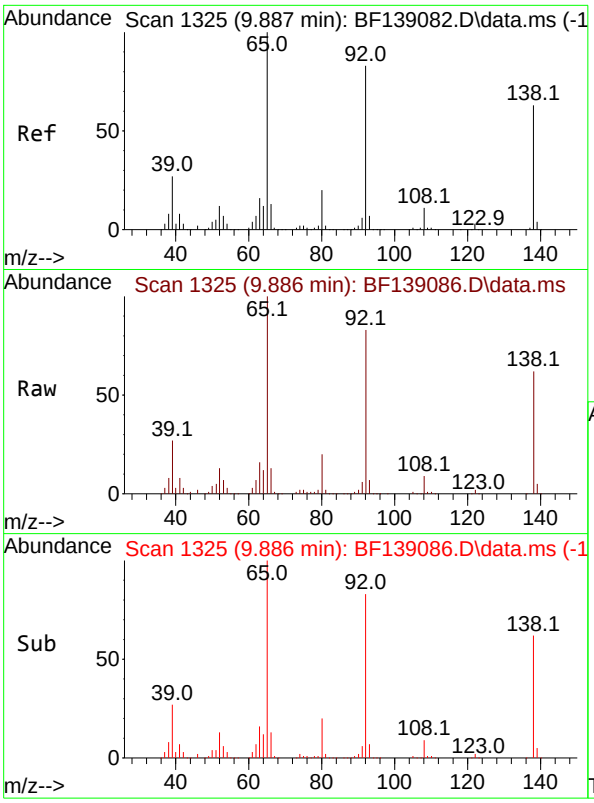


#52
Acenaphthene
Concen: 39.258 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:154 Resp: 577194

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.7	134.5
152	52.6	42.3	63.5



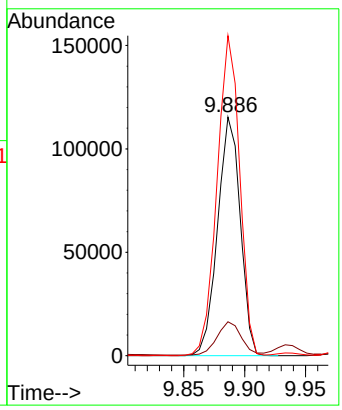


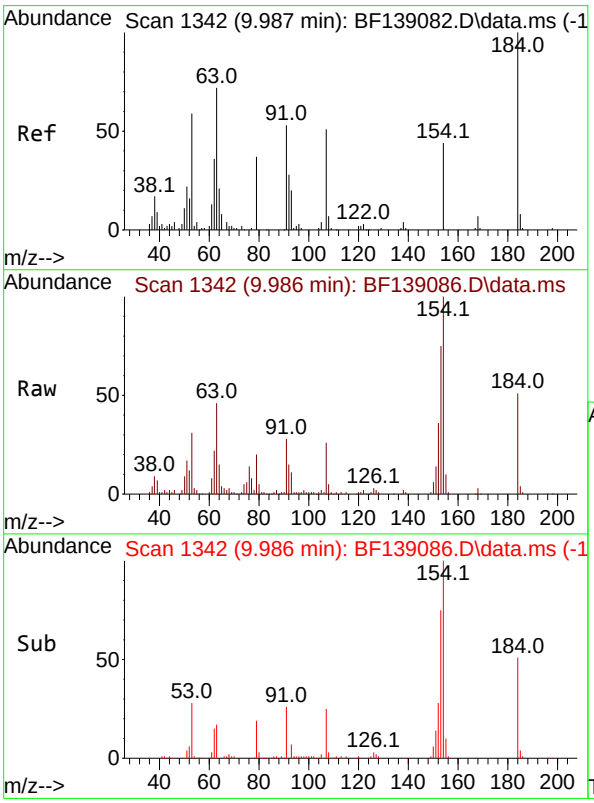
#53
3-Nitroaniline
Concen: 43.178 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:138 Resp: 149417

Ion	Ratio	Lower	Upper
138	100		
108	14.2	14.6	21.8#
92	134.1	105.9	158.9

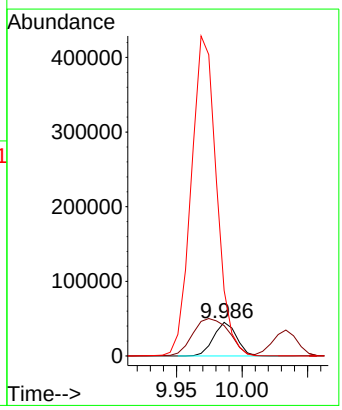


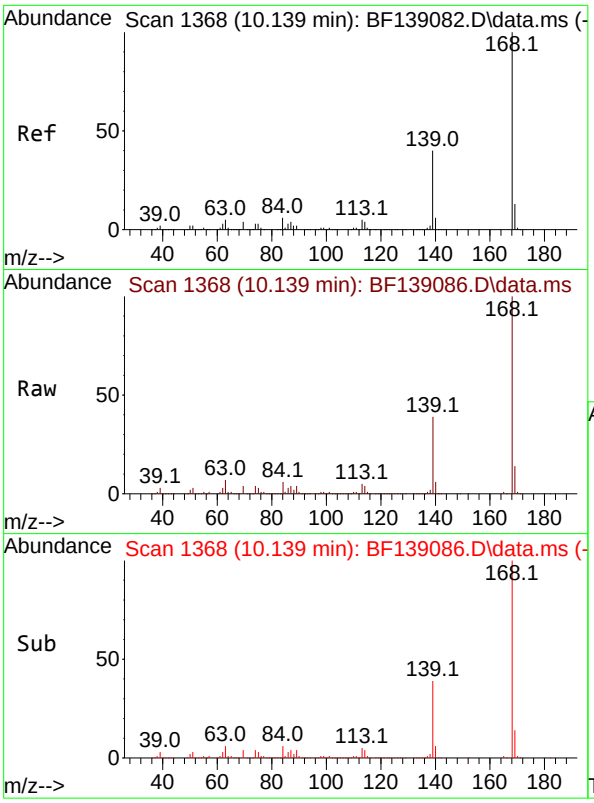


#54
2,4-Dinitrophenol
Concen: 48.138 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:184 Resp: 54802

Ion	Ratio	Lower	Upper
184	100		
63	90.4	70.5	105.7
154	195.2	135.0	202.6



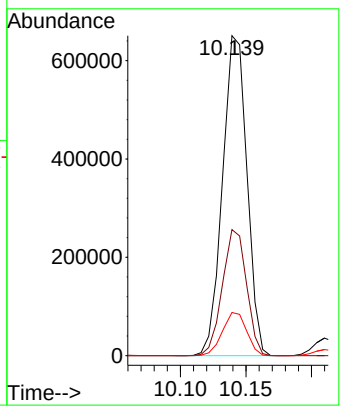


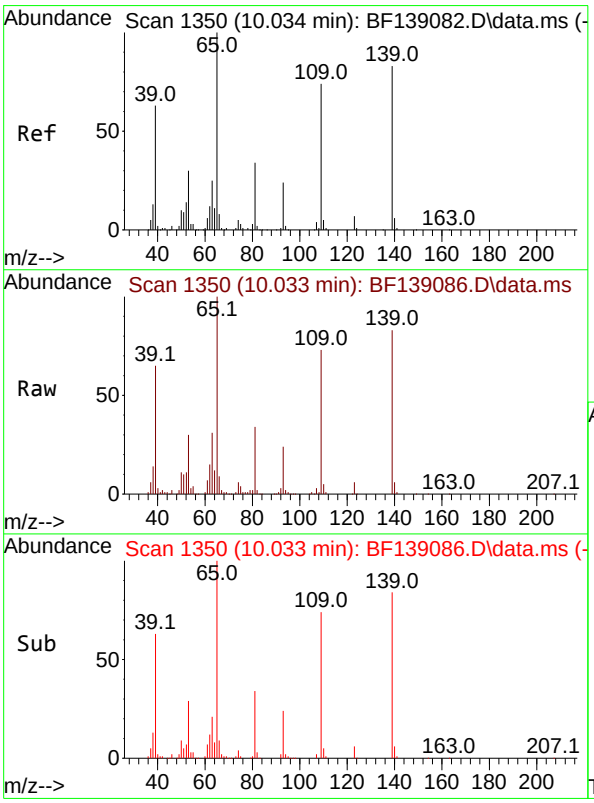
#55
Dibenzofuran
Concen: 39.486 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:168 Resp: 843236

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.6	47.4
169	13.5	10.7	16.1

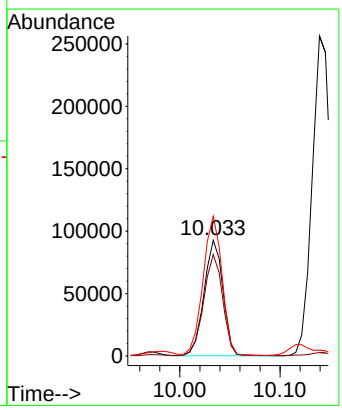


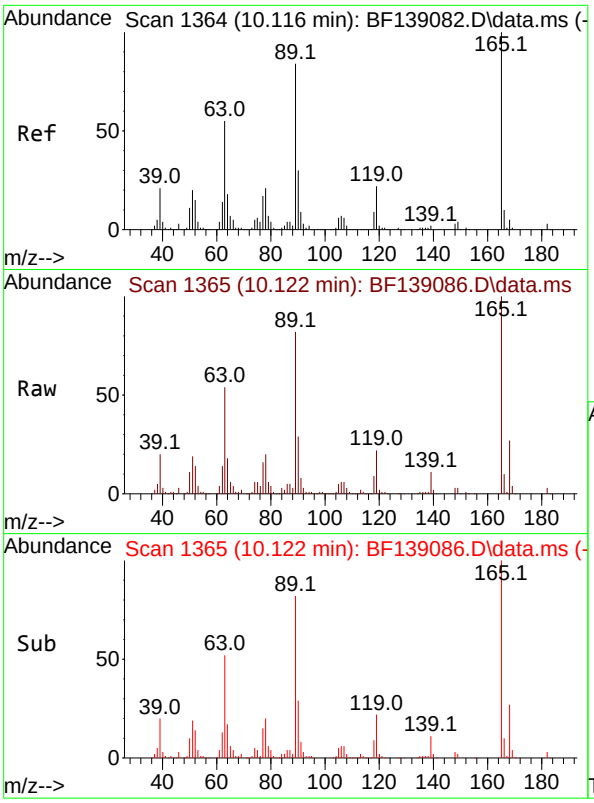


#56
4-Nitrophenol
Concen: 46.609 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:139 Resp: 121416

Ion	Ratio	Lower	Upper
139	100		
109	87.7	68.8	108.8
65	120.7	101.3	141.3



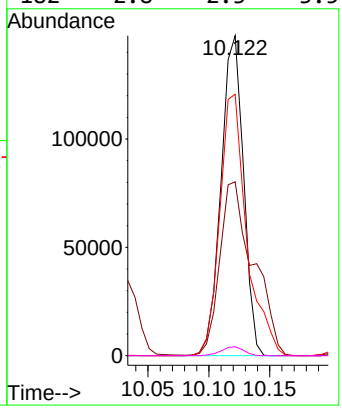


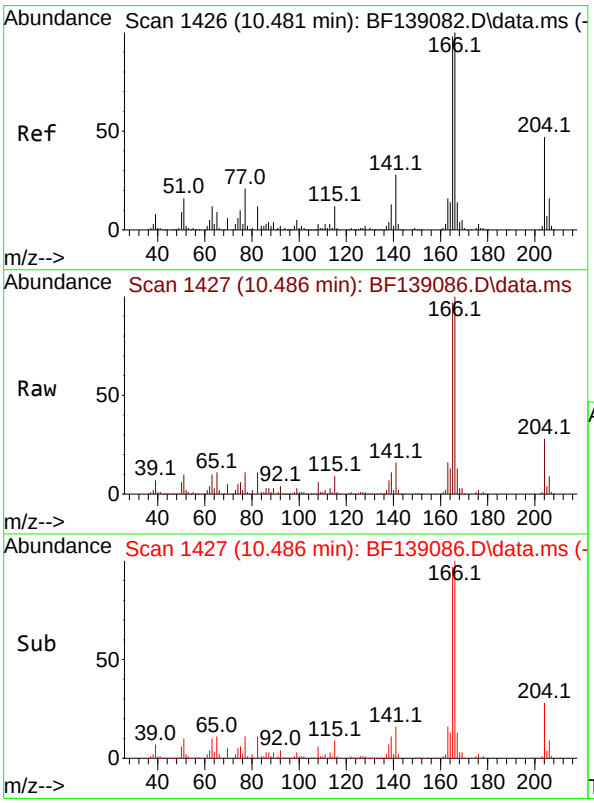
#57
2,4-Dinitrotoluene
Concen: 44.204 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:165 Resp: 189415

Ion	Ratio	Lower	Upper
165	100		
63	54.4	44.2	66.4
89	81.7	67.4	101.2
182	2.8	2.3	3.5

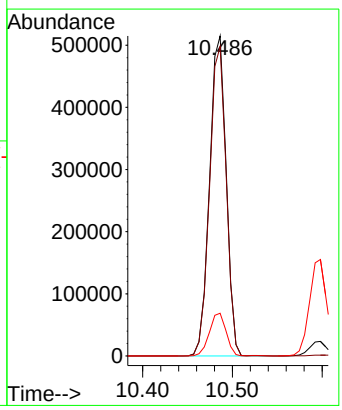


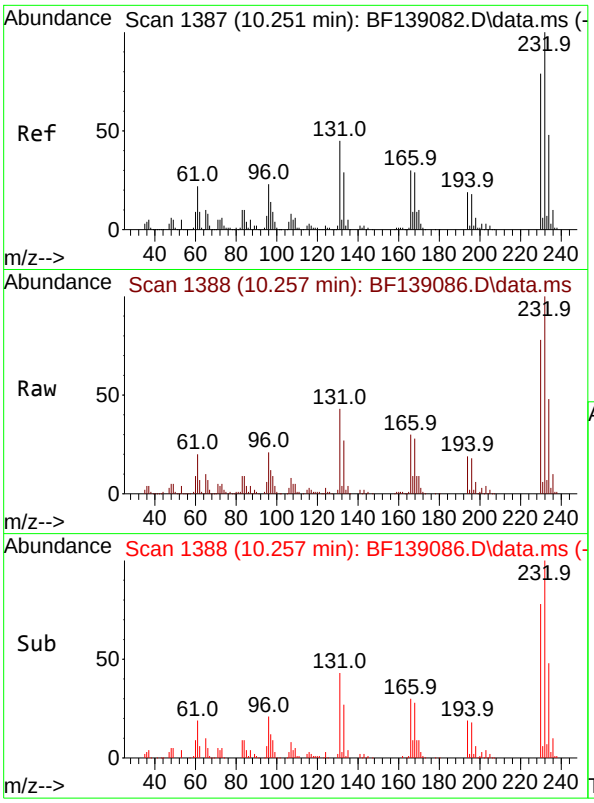


#58
Fluorene
Concen: 38.823 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:166 Resp: 662565

Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.0	117.0
167	13.4	11.0	16.4



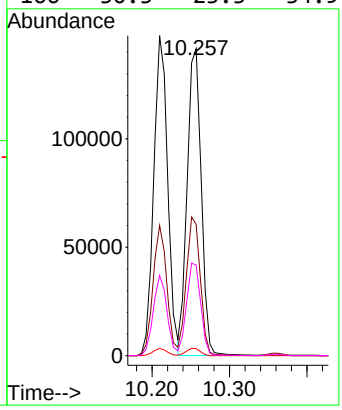


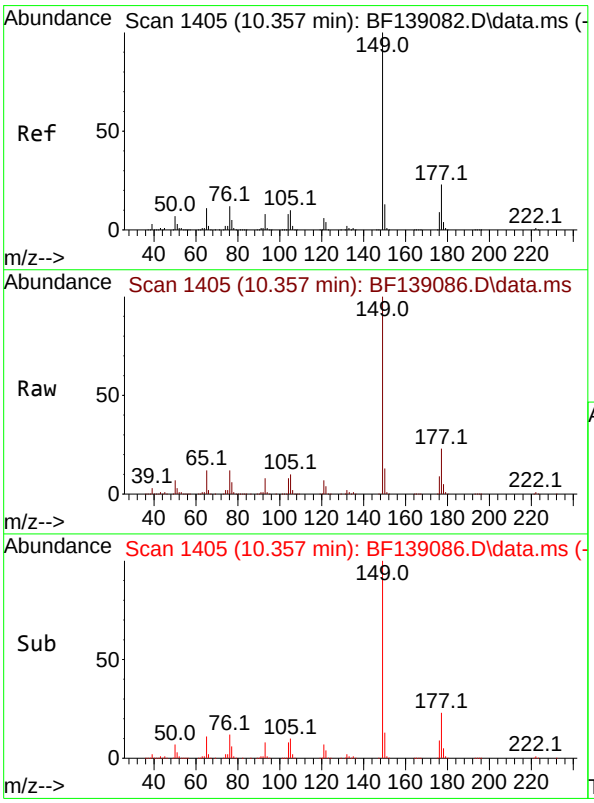
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.094 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:232 Resp: 178921

Ion	Ratio	Lower	Upper
232	100		
131	44.9	36.0	54.0
130	2.4	2.0	3.0
166	30.3	23.3	34.9

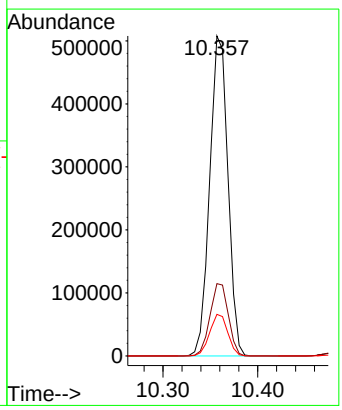


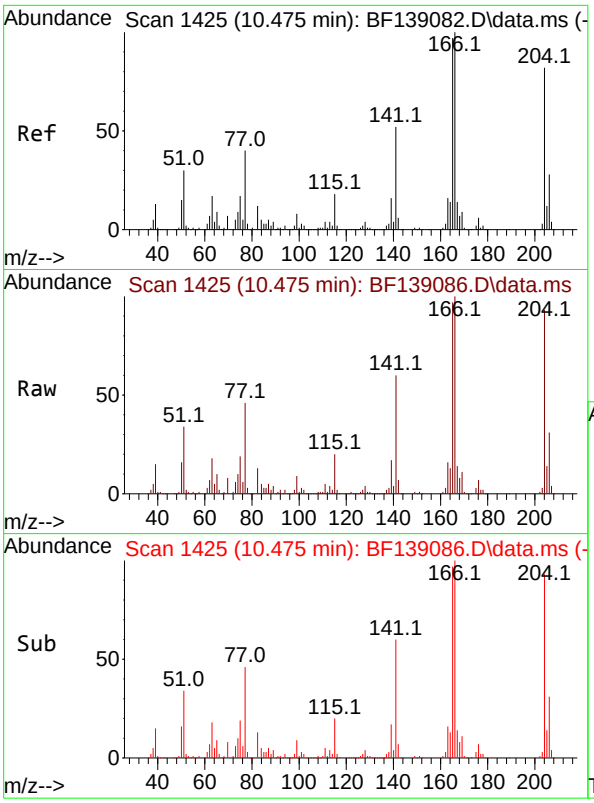


#60
Diethylphthalate
Concen: 39.783 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 679316

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.4	27.6
150	13.0	10.2	15.2



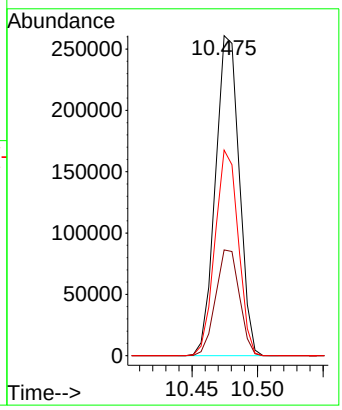


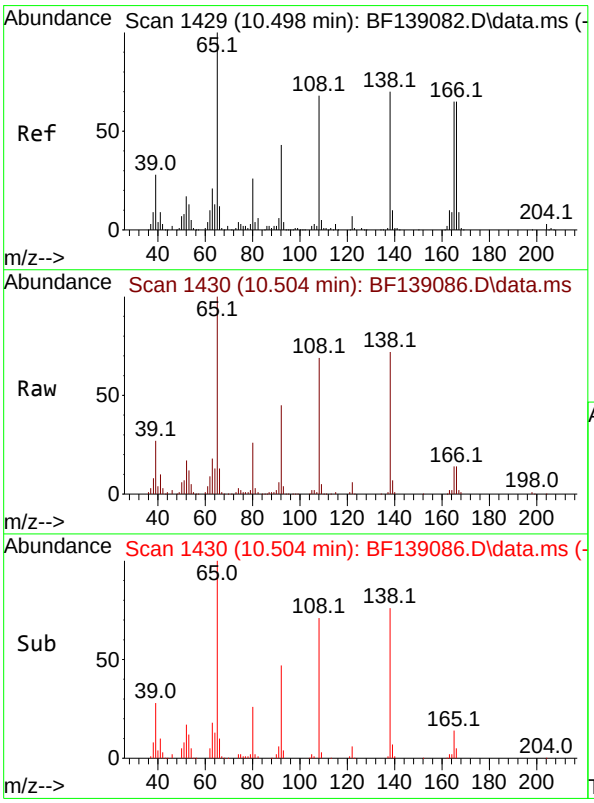
#61
4-Chlorophenyl-phenylether
Concen: 38.579 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:204 Resp: 328835

Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.0	40.4
141	64.3	50.9	76.3

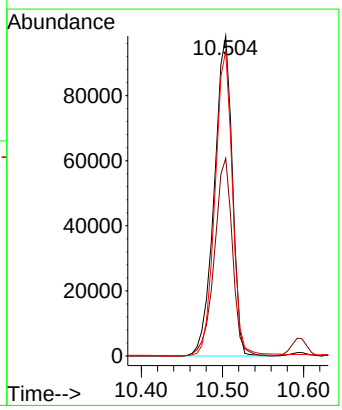


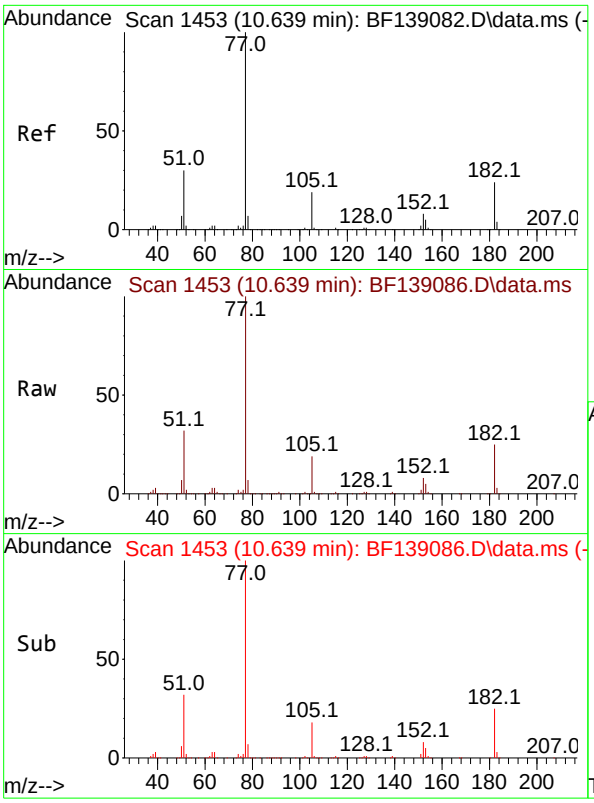


#62
4-Nitroaniline
Concen: 43.331 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:138 Resp: 151891

Ion	Ratio	Lower	Upper
138	100		
92	61.8	41.4	81.4
108	95.4	76.8	116.8



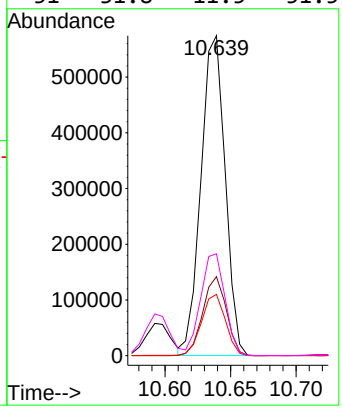


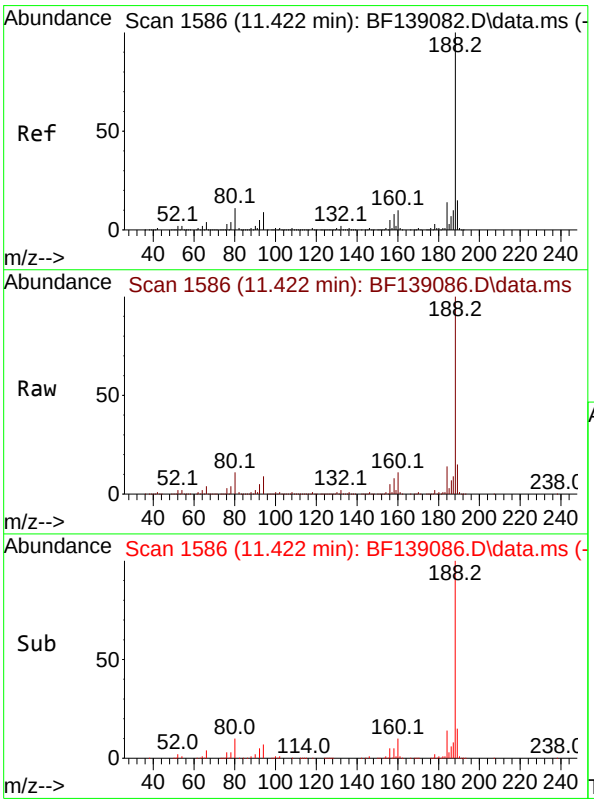
#63
Azobenzene
Concen: 38.960 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion: 77 Resp: 739304

Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.0	44.0
105	19.1	0.0	39.1
51	31.8	11.5	51.5

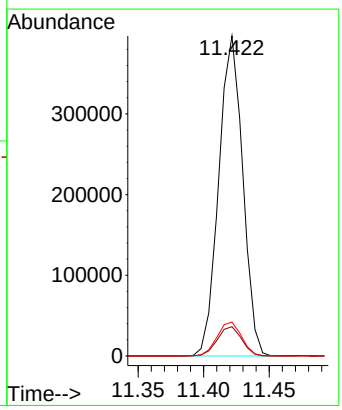


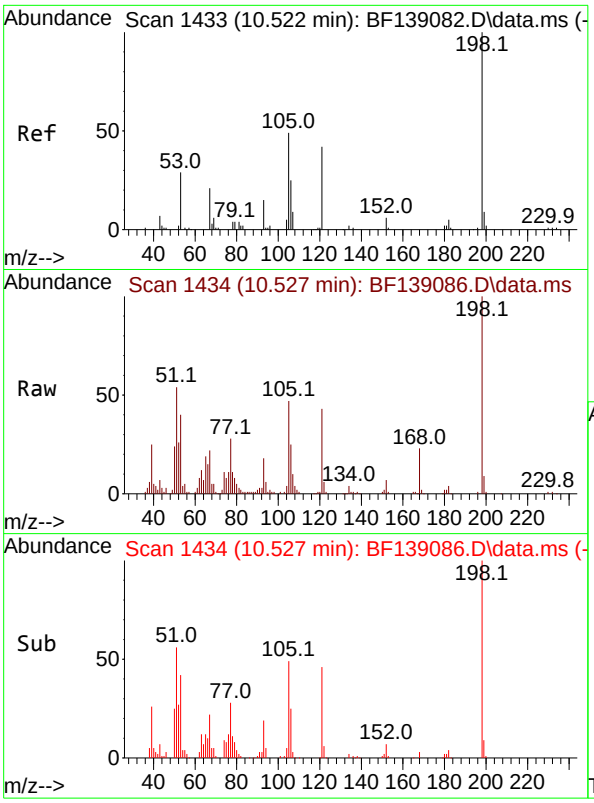


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:188 Resp: 504492

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.6	8.5	12.7



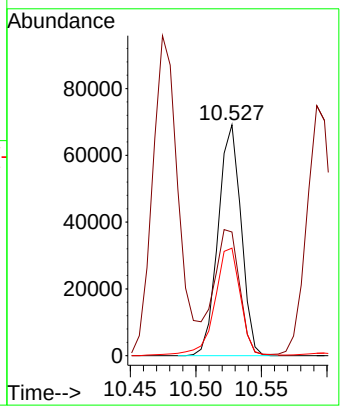


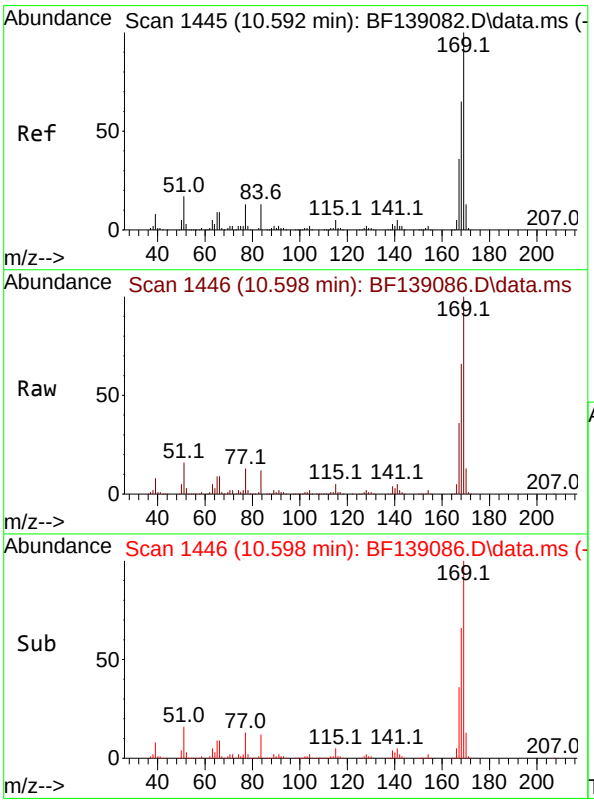
#65
4,6-Dinitro-2-methylphenol
Concen: 46.812 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:198 Resp: 84045

Ion	Ratio	Lower	Upper
198	100		
51	53.6	40.8	80.8
105	46.6	30.9	70.9

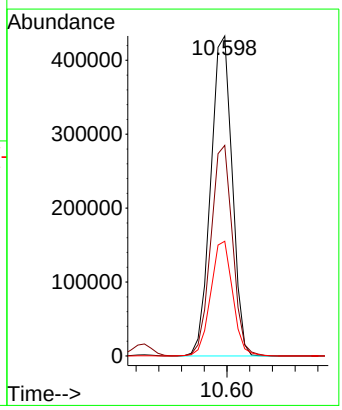


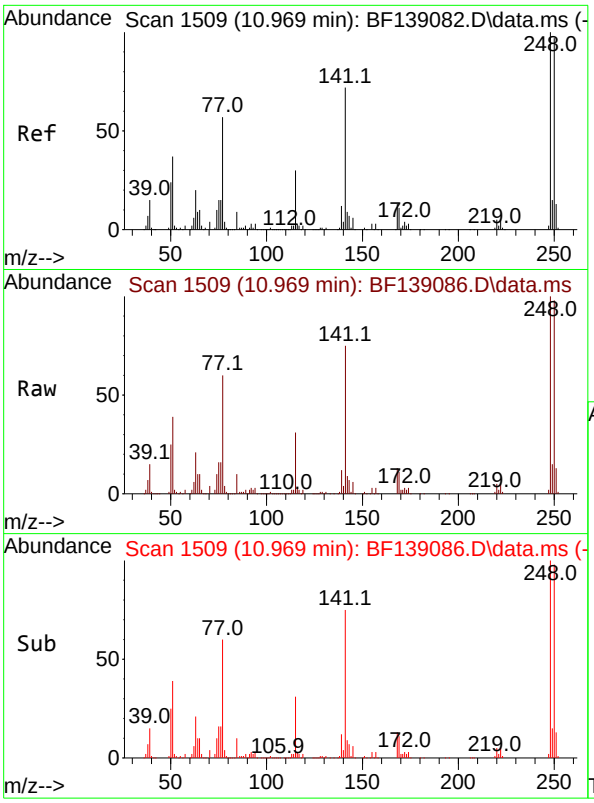


#66
n-Nitrosodiphenylamine
Concen: 38.023 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:169 Resp: 567585

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.4	78.6
167	35.9	28.6	43.0



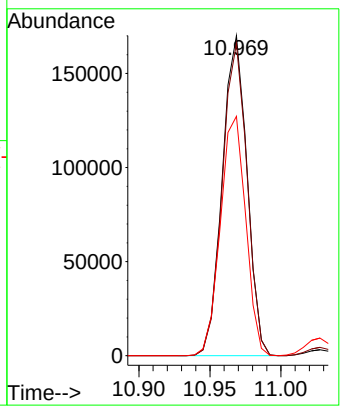


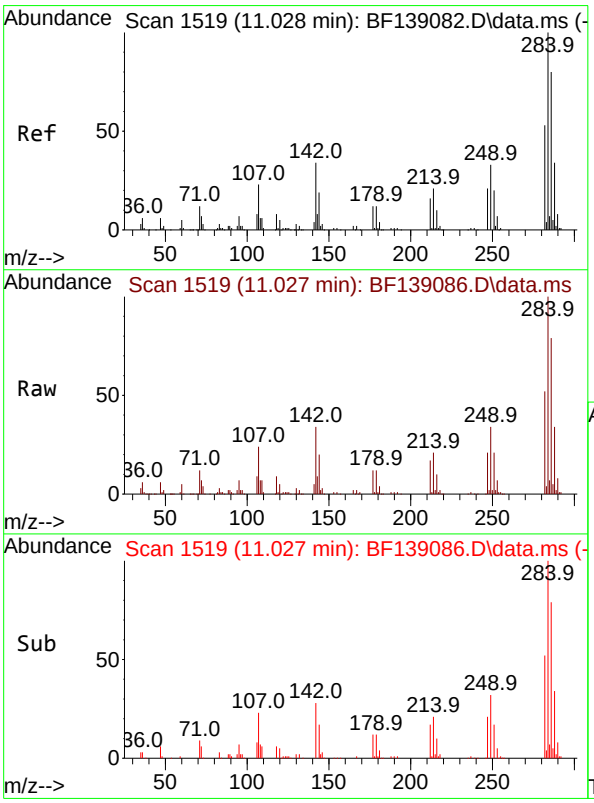
#67
4-Bromophenyl-phenylether
Concen: 38.582 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:248 Resp: 206250

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.8	116.8
141	74.8	57.9	86.9

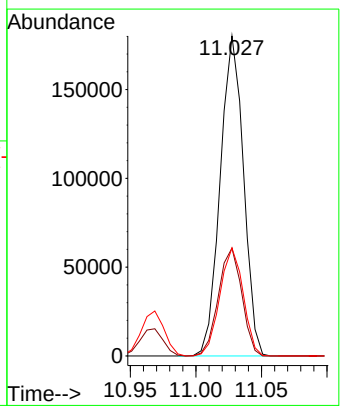


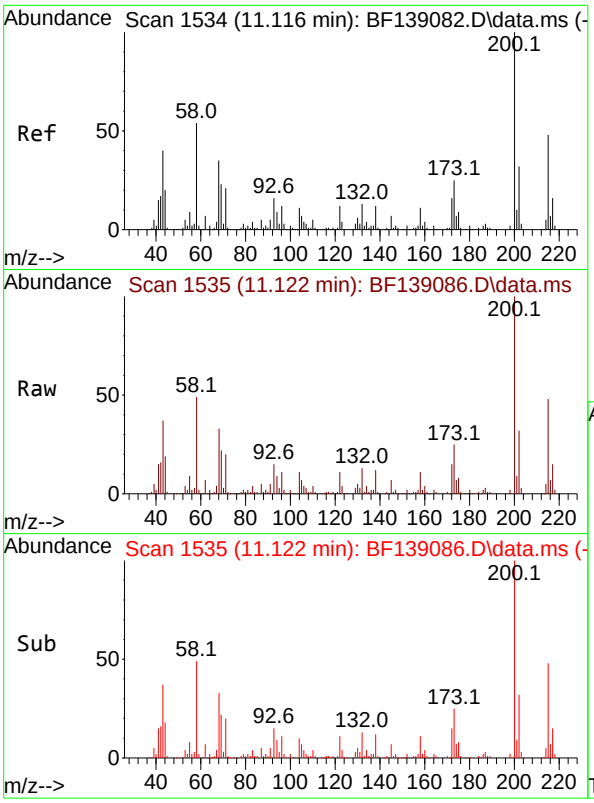


#68
Hexachlorobenzene
Concen: 38.778 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:284 Resp: 222397

Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.1	40.7
249	33.8	26.8	40.2



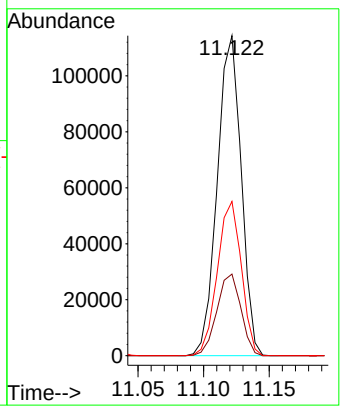


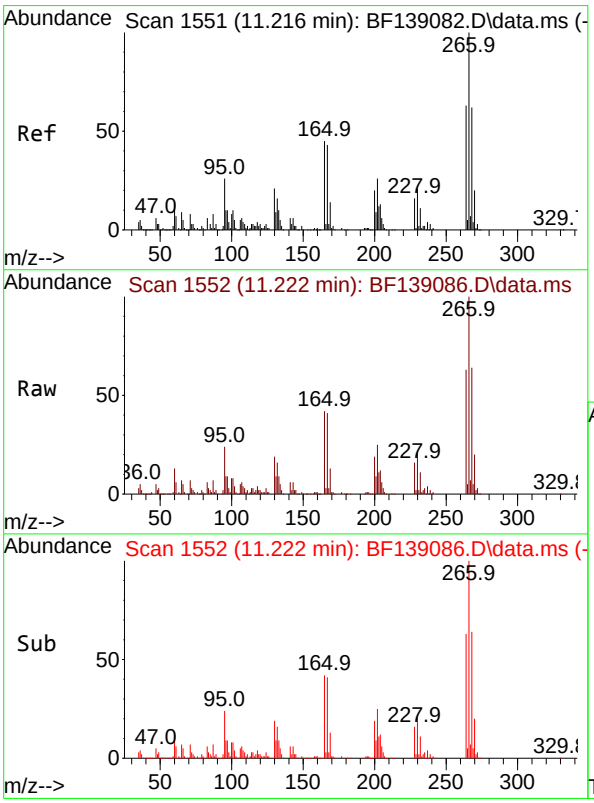
#69
Atrazine
Concen: 31.764 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:200 Resp: 144810

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.2	45.2
215	48.2	27.9	67.9

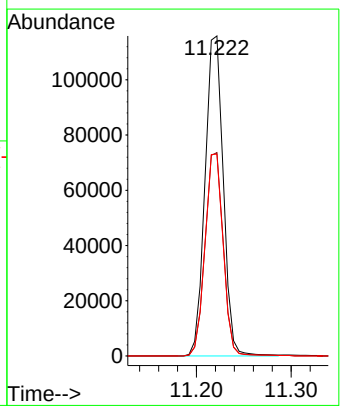


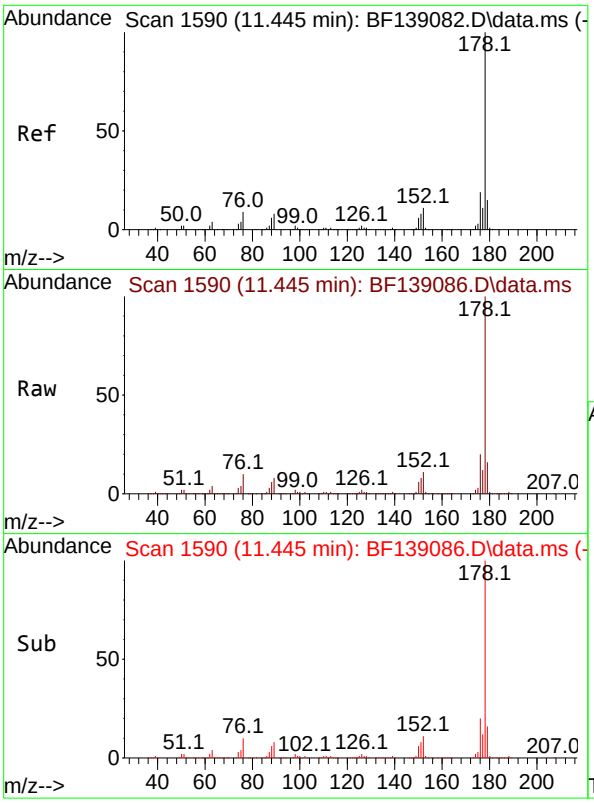


#70
Pentachlorophenol
Concen: 42.272 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:266 Resp: 154863

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.5	74.3
264	63.0	50.0	75.0



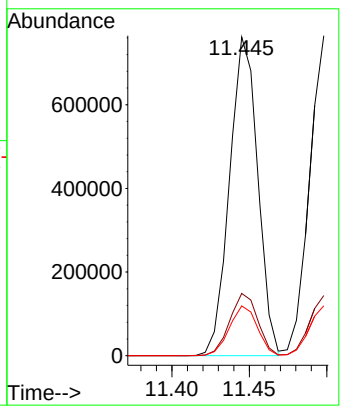


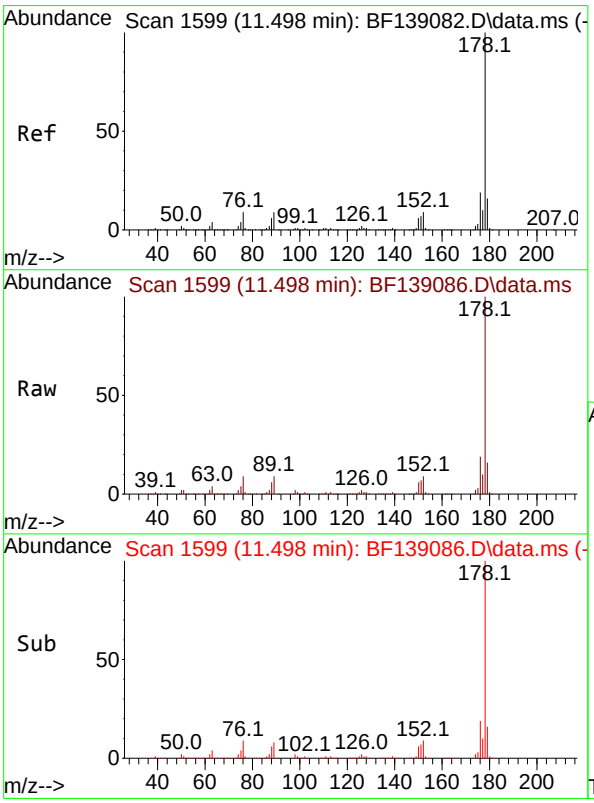
#71
Phenanthrene
Concen: 37.577 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:178 Resp: 963550

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.6	12.3	18.5

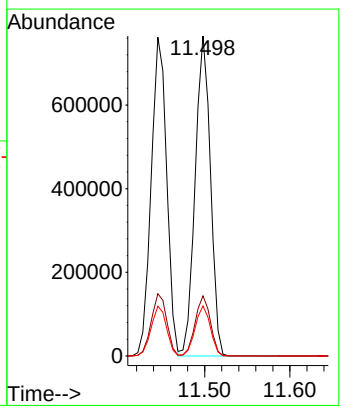


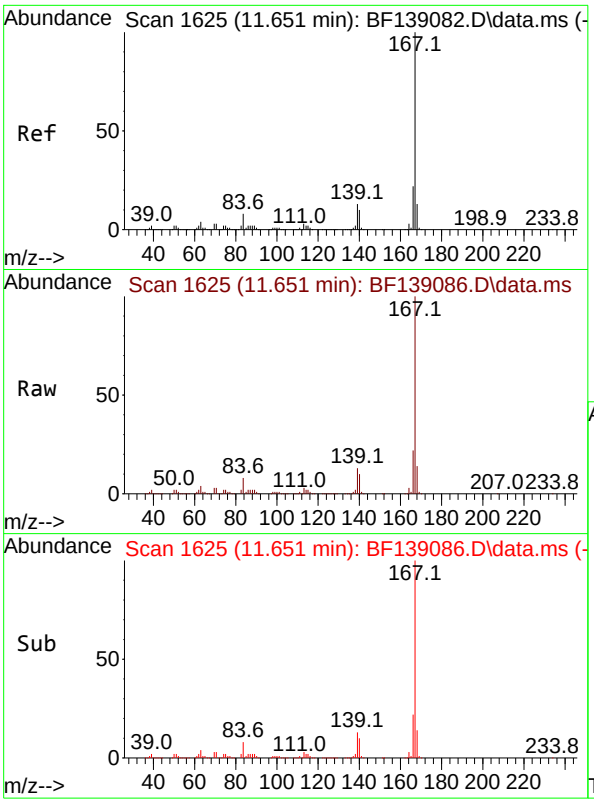


#72
Anthracene
Concen: 37.982 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:178 Resp: 952503

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.6	12.4	18.6



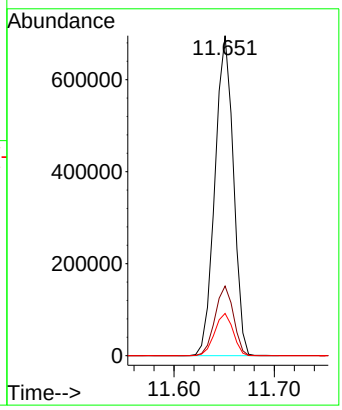


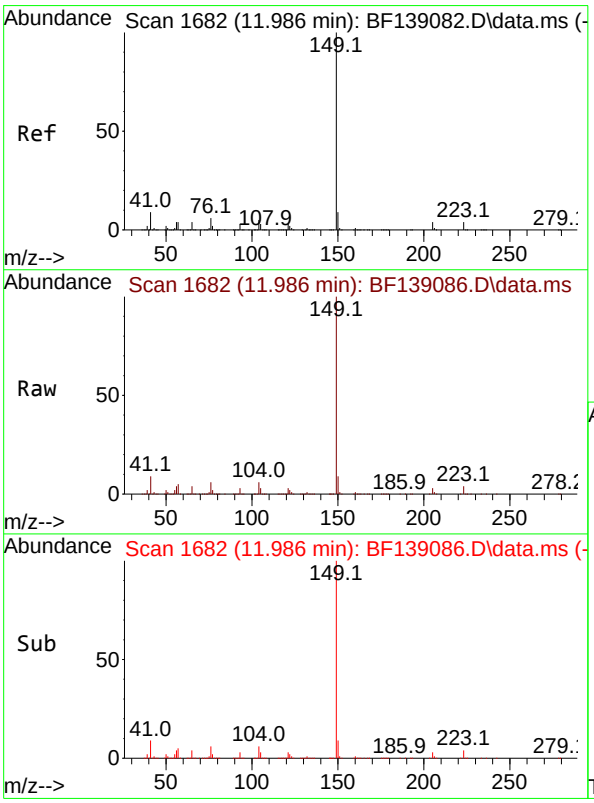
#73
Carbazole
Concen: 38.042 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:167 Resp: 890833

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.2	10.5	15.7

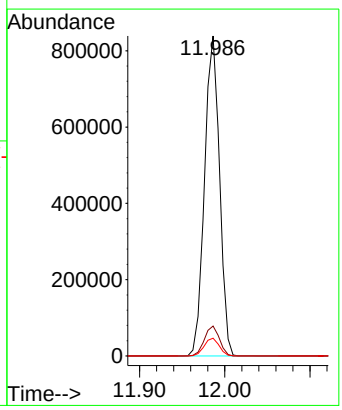


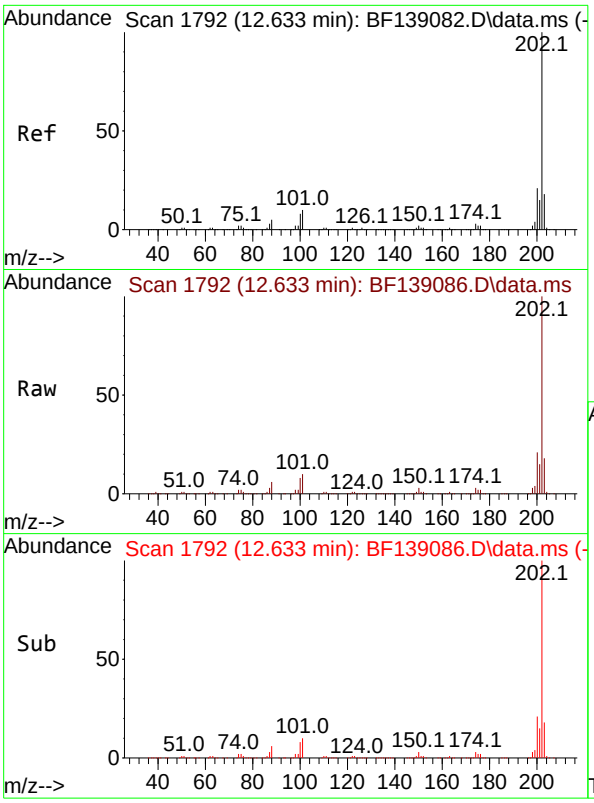


#74
Di-n-butylphthalate
Concen: 37.747 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 1024926

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.6	4.3	6.5



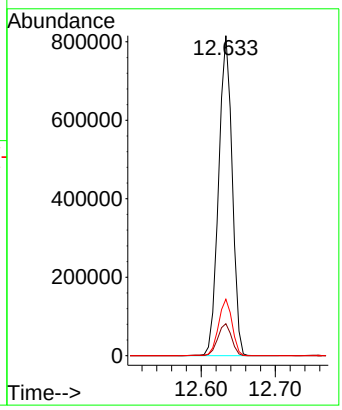


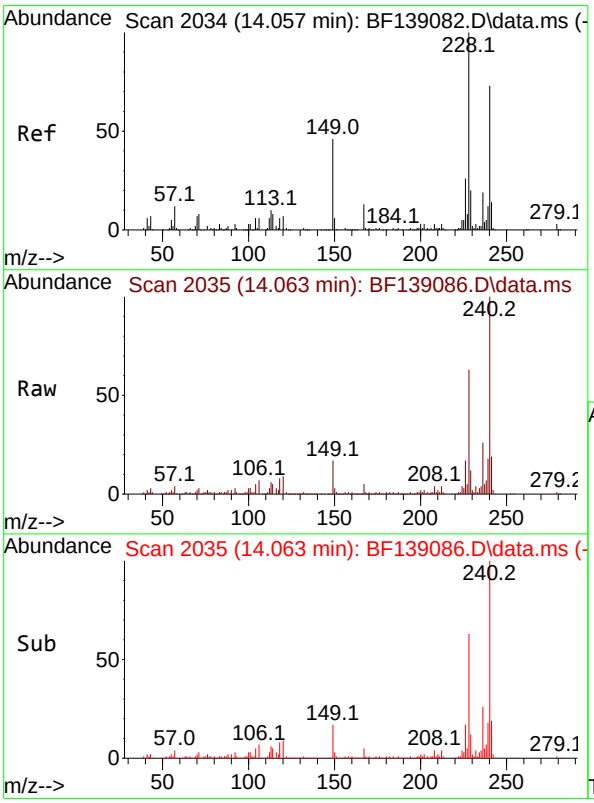
#75
Fluoranthene
Concen: 37.836 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:202 Resp: 1035519

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
203	17.7	0.0	37.6

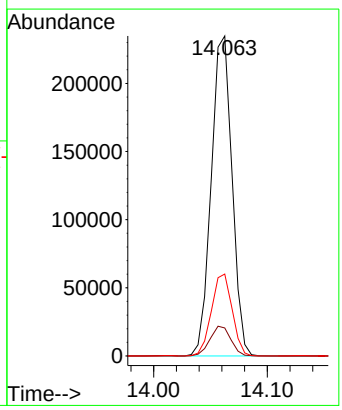


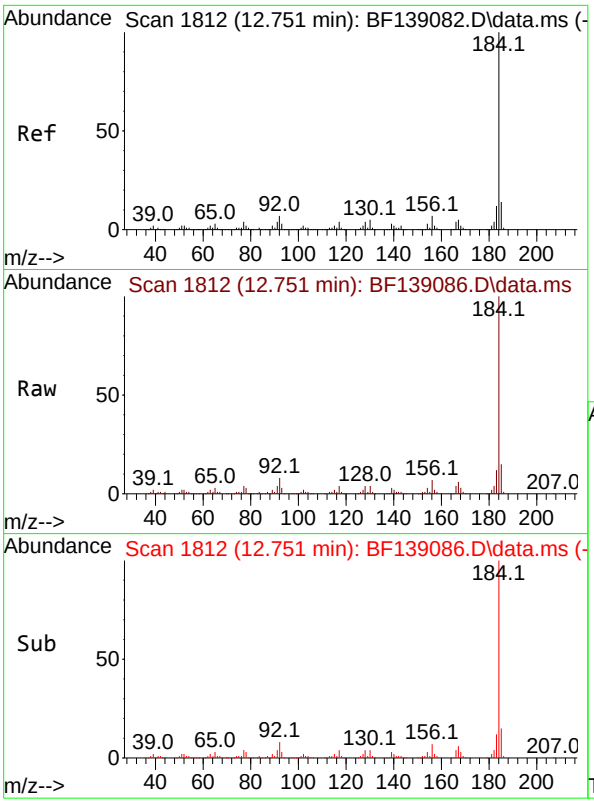


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:240 Resp: 299101

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.8	11.6
236	25.6	20.9	31.3



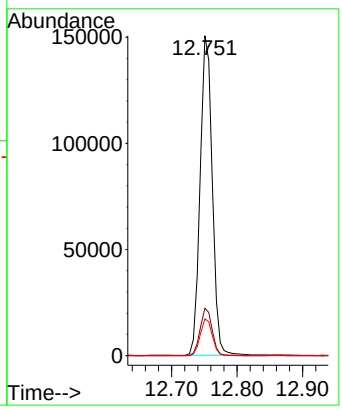


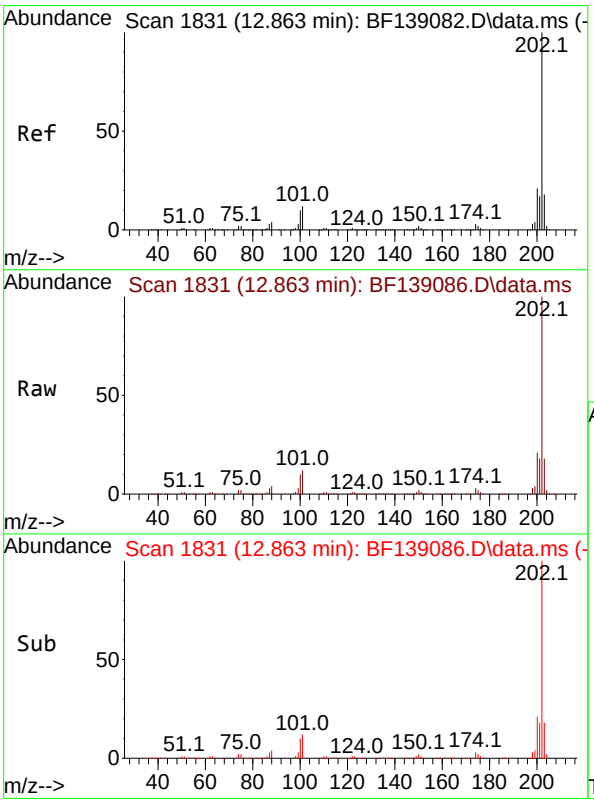
#77
Benzidine
Concen: 31.458 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:184 Resp: 194358

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.5	9.8	14.6

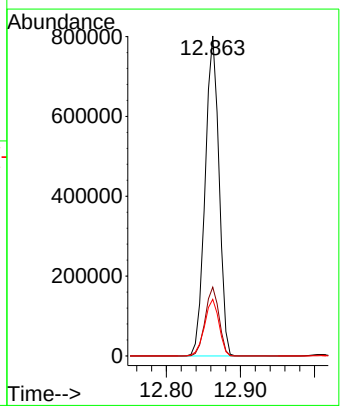


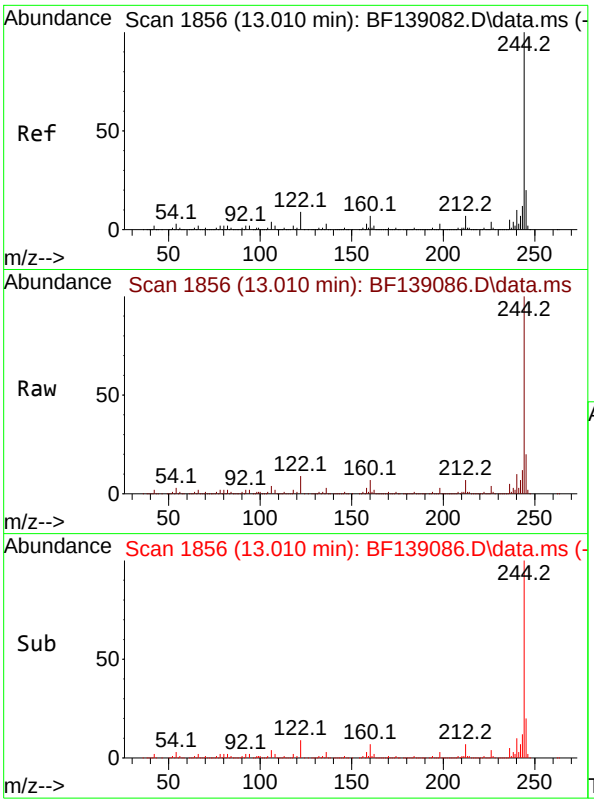


#78
Pyrene
Concen: 41.741 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:202 Resp: 1041874

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.7	14.1	21.1



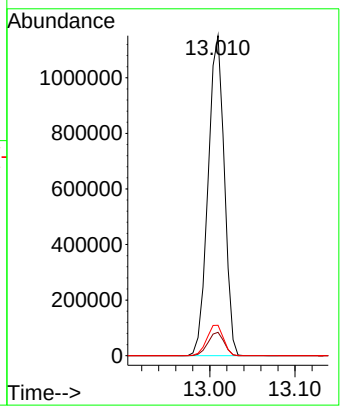


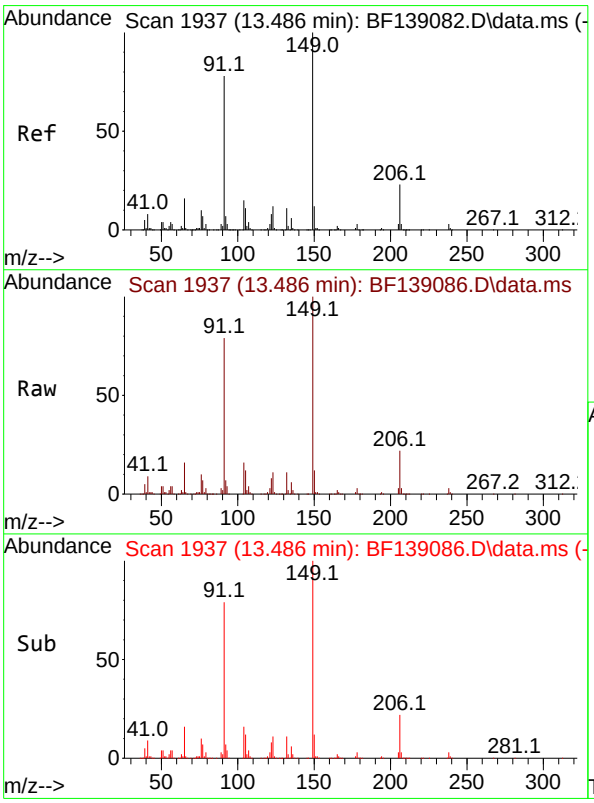
#79
Terphenyl-d14
Concen: 84.453 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:244 Resp: 1522325

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.5	7.6	11.4

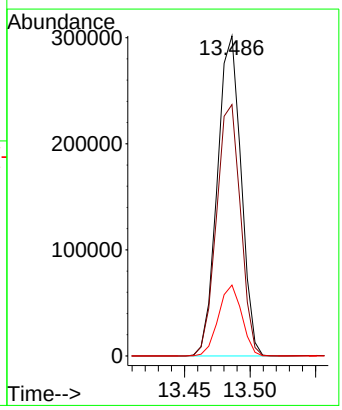


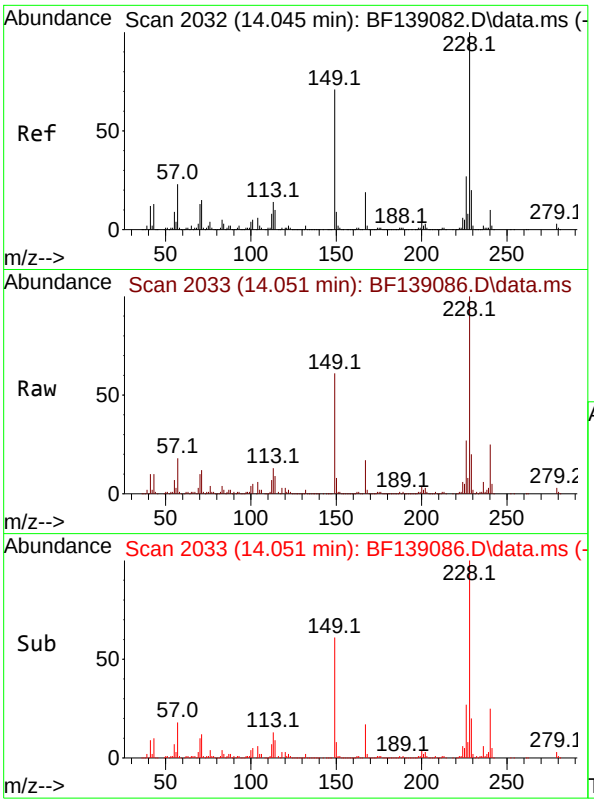


#80
Butylbenzylphthalate
Concen: 43.906 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 379143

Ion	Ratio	Lower	Upper
149	100		
91	78.5	62.1	93.1
206	22.2	18.0	27.0



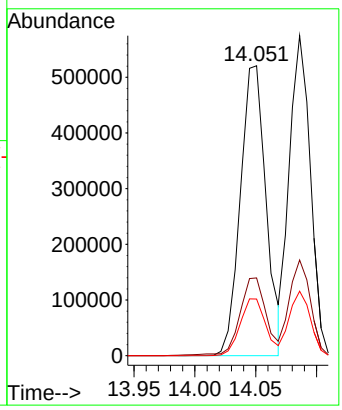


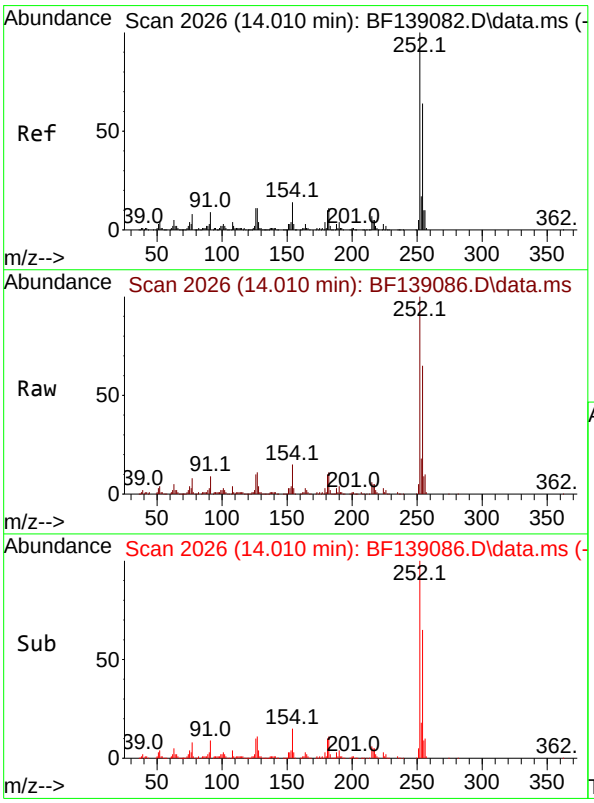
#81
Benzo(a)anthracene
Concen: 39.005 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:228 Resp: 766898

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.9	32.9
229	19.6	16.1	24.1

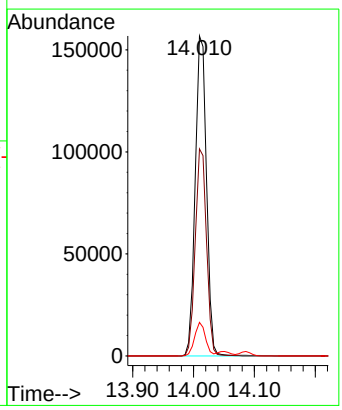


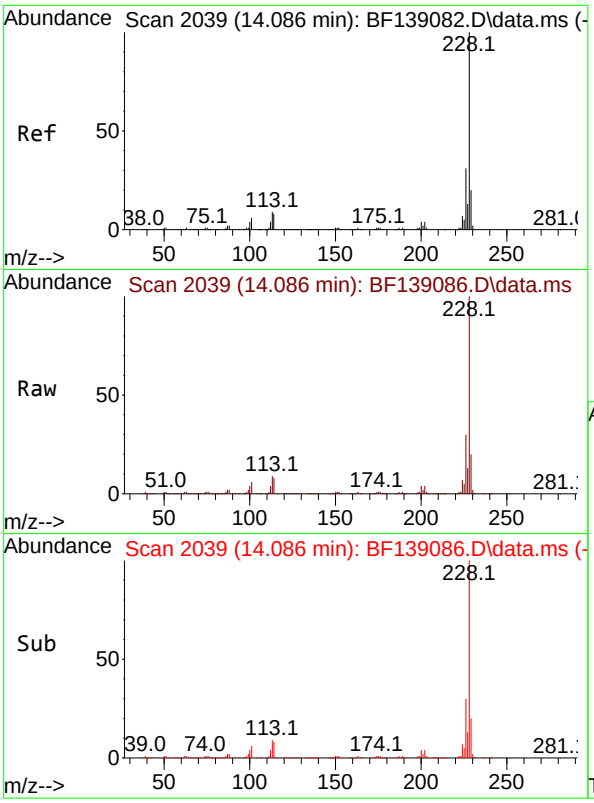


#82
3,3'-Dichlorobenzidine
Concen: 36.778 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:252 Resp: 202124

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.4	77.0
126	10.5	8.6	12.8



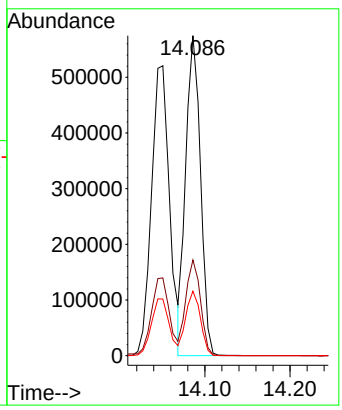


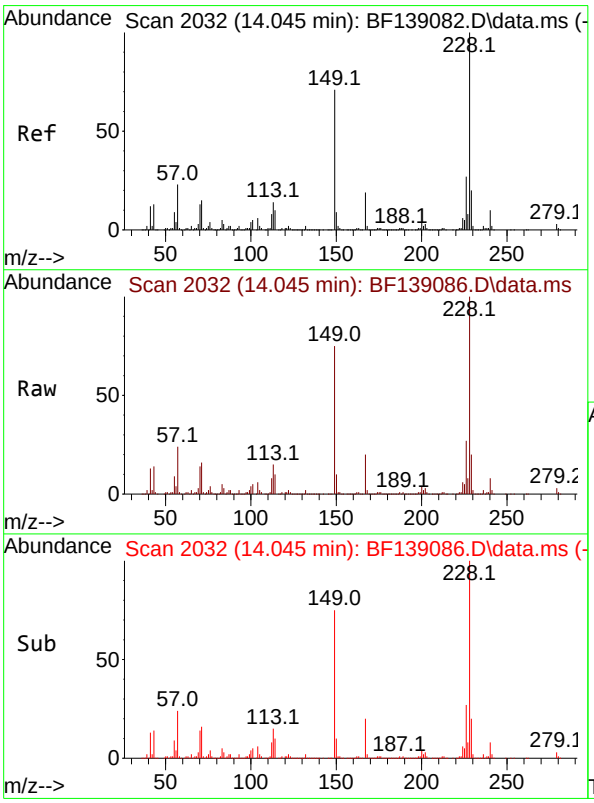
#83
Chrysene
Concen: 38.847 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:228 Resp: 692316

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	20.2	15.8	23.8

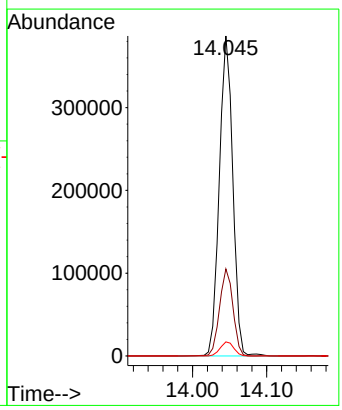


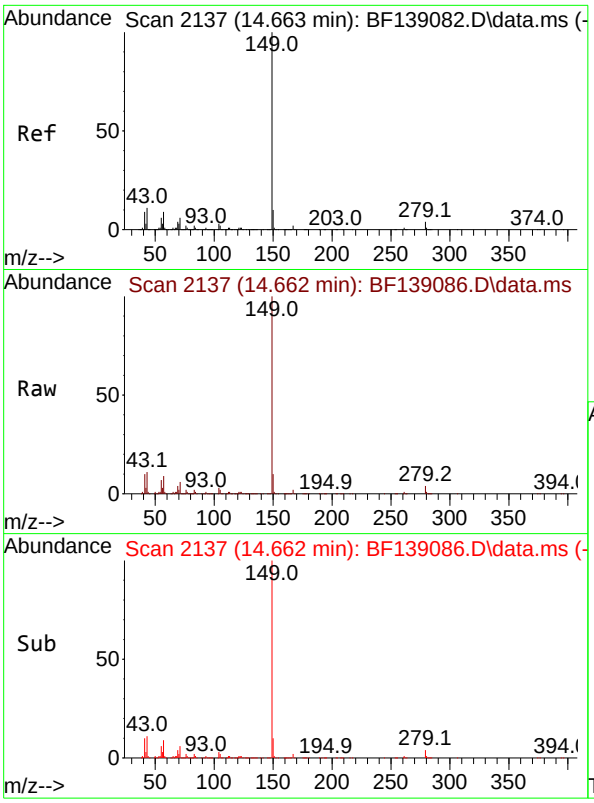


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.603 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:149 Resp: 487722

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.6
279	4.4	3.5	5.3



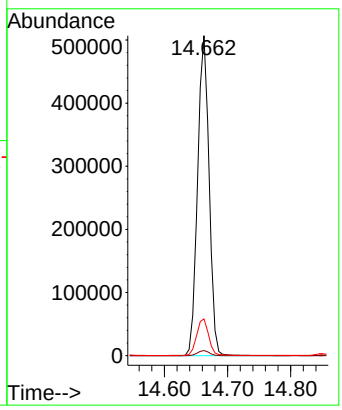


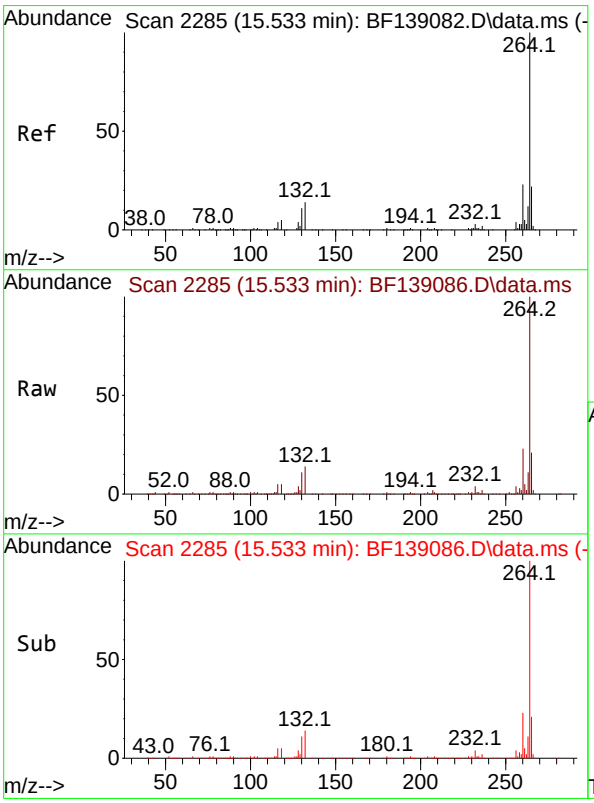
#85
Di-n-octyl phthalate
Concen: 39.891 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:149 Resp: 640947

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.6	14.4

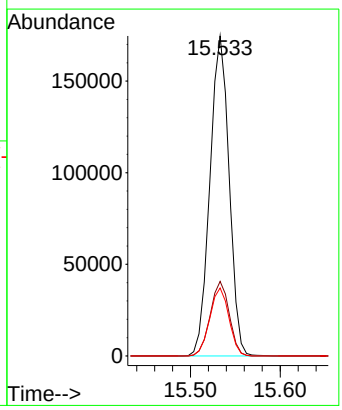


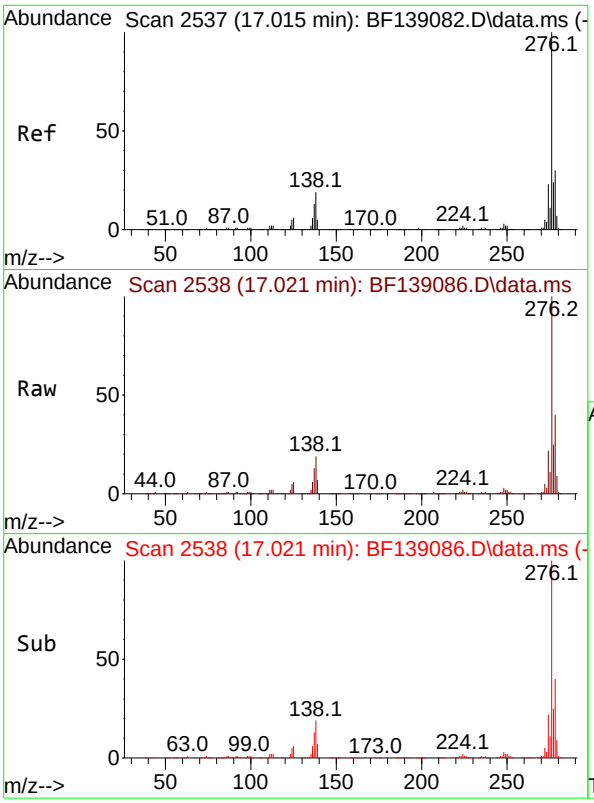


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:264 Resp: 259634

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.2	17.4	26.2



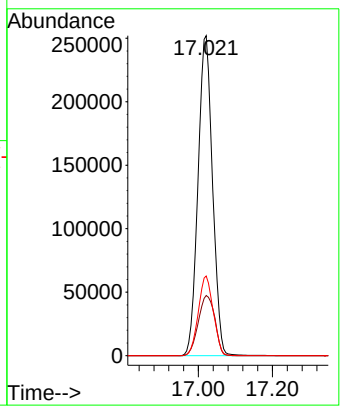


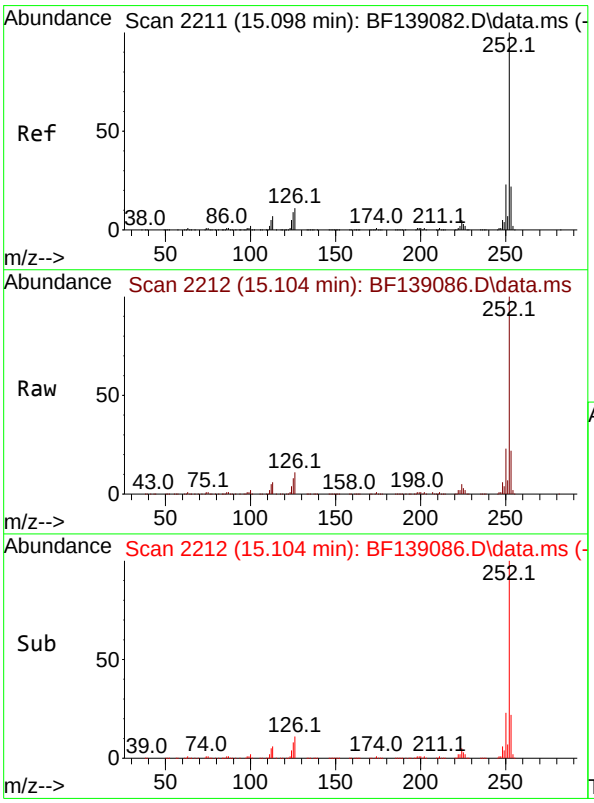
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.085 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:276 Resp: 685085

Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.3	25.9
277	25.6	20.2	30.4

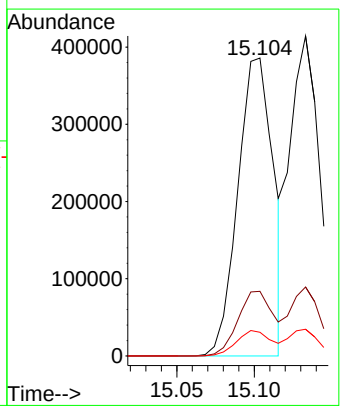


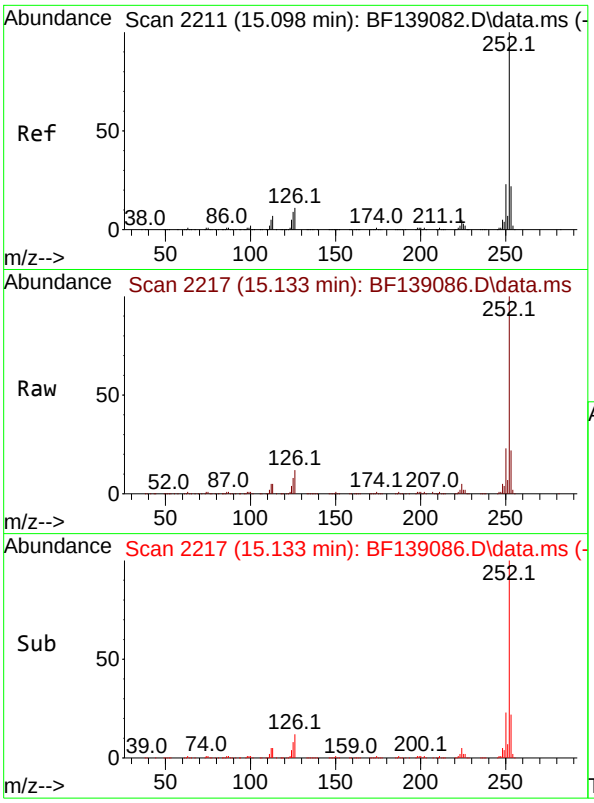


#88
Benzo(b)fluoranthene
Concen: 36.232 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:252 Resp: 613282

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.0	7.0	10.6



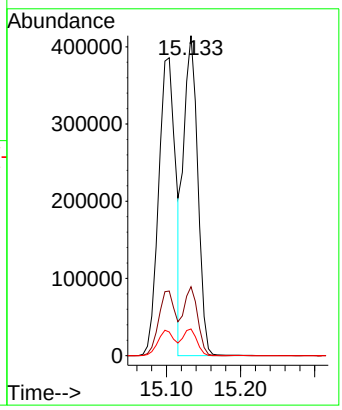


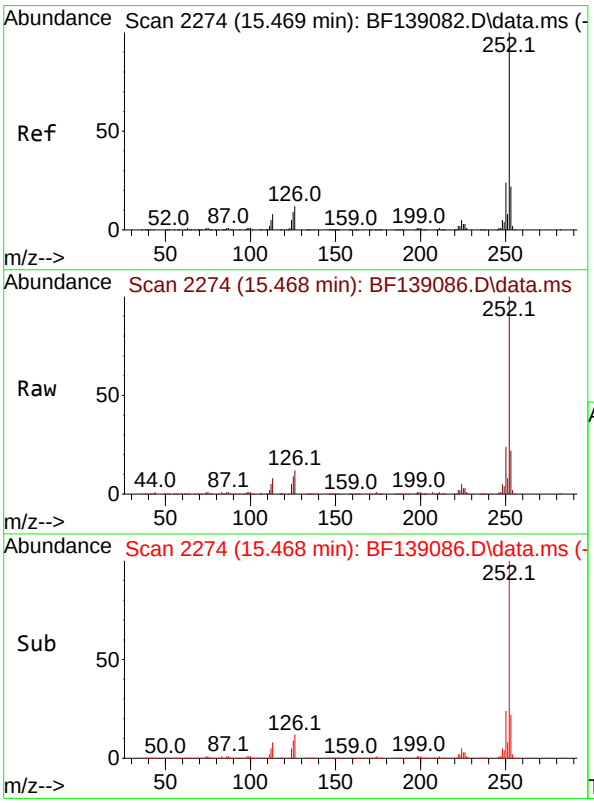
#89
Benzo(k)fluoranthene
Concen: 39.299 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:252 Resp: 554023

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	8.4	7.0	10.6

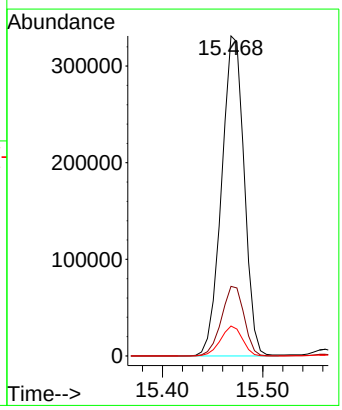


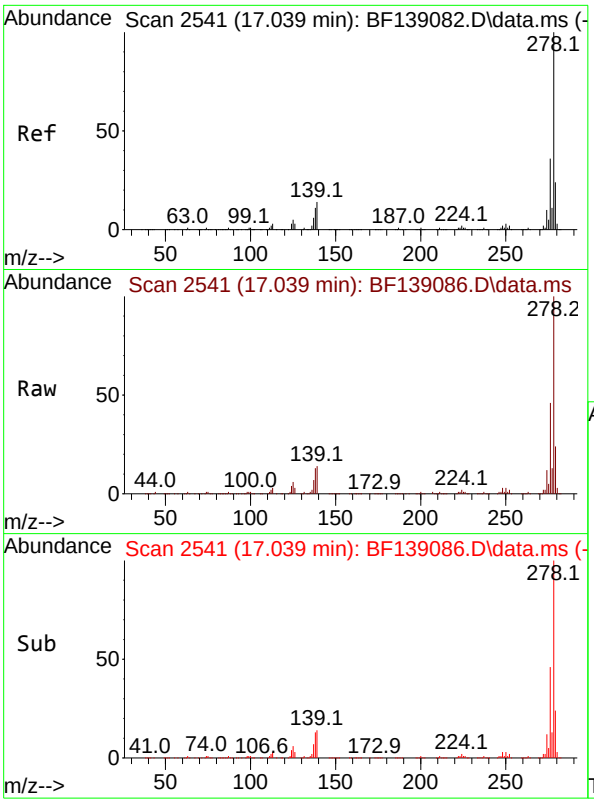


#90
Benzo(a)pyrene
Concen: 38.728 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:252 Resp: 517983

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.3	7.4	11.2



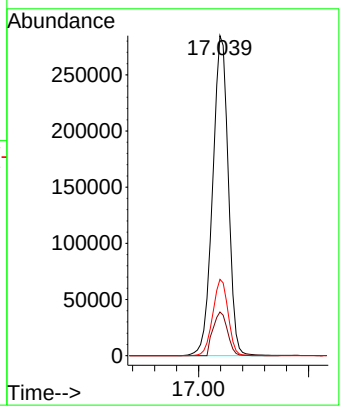


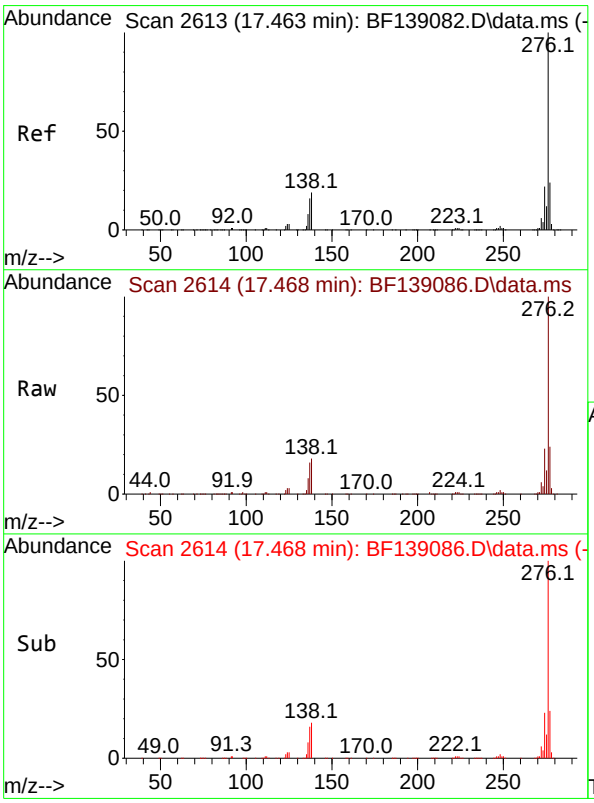
#91
Dibenzo(a,h)anthracene
Concen: 45.092 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Tgt Ion:278 Resp: 562456

Ion	Ratio	Lower	Upper
278	100		
139	13.6	10.8	16.2
279	23.9	19.2	28.8

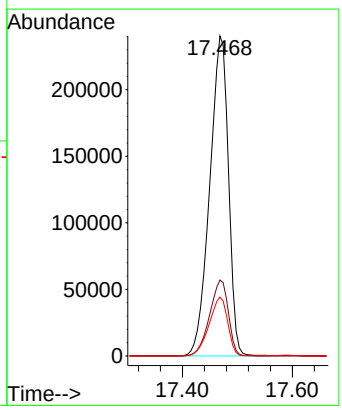




#92
Benzo(g,h,i)perylene
Concen: 40.393 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BF139086.D
Acq: 20 Aug 2024 21:41

Tgt Ion:276 Resp: 568943

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	18.4	15.0	22.4



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
2		1,4-Dioxane	0.558	0.552	1.1	113	0.00
3		Pyridine	1.417	1.404	0.9	116	0.00
4		n-Nitrosodimethylamine	0.856	0.805	6.0	115	0.01
5	S	2-Fluorophenol	1.300	1.257	3.3	116	0.00
6		Aniline	1.516	1.522	-0.4	114	0.00
7	S	Phenol-d6	1.680	1.644	2.1	115	0.00
8		2-Chlorophenol	1.250	1.229	1.7	116	0.00
9		Benzaldehyde	0.985	0.979	0.6	120	0.00
10	C	Phenol	1.748	1.724	1.4	114	0.00
11		bis(2-Chloroethyl)ether	1.406	1.278	9.1	114	0.00
12		1,3-Dichlorobenzene	1.503	1.461	2.8	115	0.00
13	C	1,4-Dichlorobenzene	1.503	1.476	1.8	116	0.00
14		1,2-Dichlorobenzene	1.374	1.358	1.2	114	0.00
15		Benzyl Alcohol	1.328	1.305	1.7	115	0.00
16		2,2'-oxybis(1-Chloropropane	1.980	1.877	5.2	115	0.00
17		2-Methylphenol	1.070	1.057	1.2	116	0.00
18		Hexachloroethane	0.527	0.521	1.1	116	0.00
19	P	n-Nitroso-di-n-propylamine	1.103	1.027	6.9	115	0.00
20		3+4-Methylphenols	1.386	1.349	2.7	113	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.511	0.499	2.3	114	0.00
23	S	Nitrobenzene-d5	0.343	0.401	-16.9	128	0.00
24		Nitrobenzene	0.382	0.427	-11.8	124	0.00
25		Isophorone	0.730	0.725	0.7	117	0.00
26	C	2-Nitrophenol	0.110	0.146	-32.7#	142	0.00
27		2,4-Dimethylphenol	0.231	0.228	1.3	118	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.412	3.3	116	0.00
29	C	2,4-Dichlorophenol	0.288	0.291	-1.0	117	0.00
30		1,2,4-Trichlorobenzene	0.337	0.330	2.1	115	0.00
31		Naphthalene	1.013	1.000	1.3	116	0.00
32		Benzoic acid	0.167	0.212	-26.9#	146	0.01
33		4-Chloroaniline	0.347	0.344	0.9	114	0.00
34	C	Hexachlorobutadiene	0.220	0.221	-0.5	118	0.00
35		Caprolactam	0.091	0.095	-4.4	118	0.00
36	C	4-Chloro-3-methylphenol	0.319	0.319	0.0	115	0.00
37		2-Methylnaphthalene	0.650	0.631	2.9	115	0.00
38		1-Methylnaphthalene	0.627	0.614	2.1	115	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.558	8.4	116	0.00
41	P	Hexachlorocyclopentadiene	0.210	0.213	-1.4	115	0.00
42	S	2,4,6-Tribromophenol	0.181	0.199	-9.9	121	0.00
43	C	2,4,6-Trichlorophenol	0.370	0.382	-3.2	125	0.00
44		2,4,5-Trichlorophenol	0.379	0.374	1.3	113	0.00
45	S	2-Fluorobiphenyl	1.261	1.200	4.8	115	0.00
46		1,1'-Biphenyl	1.370	1.367	0.2	115	0.00
47		2-Chloronaphthalene	1.113	1.077	3.2	115	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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	0.262	0.343	-30.9#	140	0.00
49		Acenaphthylene	1.595	1.576	1.2	115	0.00
50		Dimethylphthalate	1.235	1.222	1.1	115	0.00
51		2,6-Dinitrotoluene	0.206	0.268	-30.1#	132	0.00
52	C	Acenaphthene	1.053	1.034	1.8	117	0.00
53		3-Nitroaniline	0.213	0.268	-25.8#	129	0.00
54	P	2,4-Dinitrophenol	0.074	0.098	-32.4#	159#	0.00
55		Dibenzofuran	1.530	1.510	1.3	116	0.00
56	P	4-Nitrophenol	0.187	0.217	-16.0	130	0.00
57		2,4-Dinitrotoluene	0.250	0.339	-35.6#	136	0.00
58		Fluorene	1.223	1.187	2.9	115	0.00
59		2,3,4,6-Tetrachlorophenol	0.305	0.320	-4.9	119	0.00
60		Diethylphthalate	1.223	1.217	0.5	116	0.00
61		4-Chlorophenyl-phenylether	0.611	0.589	3.6	116	0.00
62		4-Nitroaniline	0.219	0.272	-24.2	129	0.00
63		Azobenzene	1.360	1.324	2.6	115	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	0.064	0.083	-29.7#	151#	0.00
66	c	n-Nitrosodiphenylamine	0.592	0.563	4.9	114	0.00
67		4-Bromophenyl-phenylether	0.212	0.204	3.8	115	0.00
68		Hexachlorobenzene	0.227	0.220	3.1	116	0.00
69		Atrazine	0.181	0.144	20.4	113	0.00
70	C	Pentachlorophenol	0.145	0.153	-5.5	119	0.00
71		Phenanthrene	1.017	0.955	6.1	114	0.00
72		Anthracene	0.994	0.944	5.0	115	0.00
73		Carbazole	0.928	0.883	4.8	115	0.00
74		Di-n-butylphthalate	1.076	1.016	5.6	116	0.00
75	C	Fluoranthene	1.085	1.026	5.4	113	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.413	0.325	21.3	69	0.00
78		Pyrene	1.669	1.742	-4.4	111	0.00
79	S	Terphenyl-d14	1.205	1.272	-5.6	113	0.00
80		Butylbenzylphthalate	0.577	0.634	-9.9	112	0.00
81		Benzo(a)anthracene	1.315	1.282	2.5	106	0.00
82		3,3'-Dichlorobenzidine	0.367	0.338	7.9	105	0.00
83		Chrysene	1.192	1.157	2.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.815	-6.5	113	0.00
85	c	Di-n-octyl phthalate	1.074	1.071	0.3	112	0.00
86	I	Perylene-d12	1.000	1.000	0.0	120	0.00
87		Indeno(1,2,3-cd)pyrene	1.171	1.319	-12.6	122	0.00
88		Benzo(b)fluoranthene	1.304	1.181	9.4	113	0.00
89		Benzo(k)fluoranthene	1.086	1.067	1.7	119	0.00
90	C	Benzo(a)pyrene	1.030	0.998	3.1	118	0.00
91		Dibenzo(a,h)anthracene	0.961	1.083	-12.7	121	0.00
92		Benzo(g,h,i)perylene	0.969	1.096	-13.1	119	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	113	0.00
2		1,4-Dioxane	40.000	39.603	1.0	113	0.00
3		Pyridine	40.000	39.627	0.9	116	0.00
4		n-Nitrosodimethylamine	40.000	37.622	5.9	115	0.01
5	S	2-Fluorophenol	80.000	77.377	3.3	116	0.00
6		Aniline	40.000	40.159	-0.4	114	0.00
7	S	Phenol-d6	80.000	78.276	2.2	115	0.00
8		2-Chlorophenol	40.000	39.317	1.7	116	0.00
9		Benzaldehyde	40.000	39.738	0.7	120	0.00
10	C	Phenol	40.000	39.467	1.3	114	0.00
11		bis(2-Chloroethyl)ether	40.000	36.363	9.1	114	0.00
12		1,3-Dichlorobenzene	40.000	38.887	2.8	115	0.00
13	C	1,4-Dichlorobenzene	40.000	39.269	1.8	116	0.00
14		1,2-Dichlorobenzene	40.000	39.538	1.2	114	0.00
15		Benzyl Alcohol	40.000	39.320	1.7	115	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.916	5.2	115	0.00
17		2-Methylphenol	40.000	39.512	1.2	116	0.00
18		Hexachloroethane	40.000	39.525	1.2	116	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.225	6.9	115	0.00
20		3+4-Methylphenols	40.000	38.947	2.6	113	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	39.114	2.2	114	0.00
23	S	Nitrobenzene-d5	80.000	93.532	-16.9	128	0.00
24		Nitrobenzene	40.000	44.775	-11.9	124	0.00
25		Isophorone	40.000	39.769	0.6	117	0.00
26	C	2-Nitrophenol	40.000	44.307	-10.8	142	0.00
27		2,4-Dimethylphenol	40.000	39.399	1.5	118	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.636	3.4	116	0.00
29	C	2,4-Dichlorophenol	40.000	40.406	-1.0	117	0.00
30		1,2,4-Trichlorobenzene	40.000	39.095	2.3	115	0.00
31		Naphthalene	40.000	39.482	1.3	116	0.00
32		Benzoic acid	40.000	44.659	-11.6	146	0.01
33		4-Chloroaniline	40.000	39.678	0.8	114	0.00
34	C	Hexachlorobutadiene	40.000	40.084	-0.2	118	0.00
35		Caprolactam	40.000	41.544	-3.9	118	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.003	-0.0	115	0.00
37		2-Methylnaphthalene	40.000	38.796	3.0	115	0.00
38		1-Methylnaphthalene	40.000	39.143	2.1	115	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	116	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.567	-1.4	116	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.411	-1.0	115	0.00
42	S	2,4,6-Tribromophenol	80.000	87.807	-9.8	121	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.317	-3.3	125	0.00
44		2,4,5-Trichlorophenol	40.000	39.434	1.4	113	0.00
45	S	2-Fluorobiphenyl	80.000	76.128	4.8	115	0.00
46		1,1'-Biphenyl	40.000	39.902	0.2	115	0.00
47		2-Chloronaphthalene	40.000	38.708	3.2	115	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
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Instrument :
BNA_F
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Quant Time: Aug 21 01:29:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.634	-9.1	140	0.00
49		Acenaphthylene	40.000	39.533	1.2	115	0.00
50		Dimethylphthalate	40.000	39.598	1.0	115	0.00
51		2,6-Dinitrotoluene	40.000	43.760	-9.4	132	0.00
52	C	Acenaphthene	40.000	39.258	1.9	117	0.00
53		3-Nitroaniline	40.000	43.178	-7.9	129	0.00
54	P	2,4-Dinitrophenol	40.000	48.138	-20.3	159	0.00
55		Dibenzofuran	40.000	39.486	1.3	116	0.00
56	P	4-Nitrophenol	40.000	46.609	-16.5	130	0.00
57		2,4-Dinitrotoluene	40.000	44.204	-10.5	136	0.00
58		Fluorene	40.000	38.823	2.9	115	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.094	-5.2	119	0.00
60		Diethylphthalate	40.000	39.783	0.5	116	0.00
61		4-Chlorophenyl-phenylether	40.000	38.579	3.6	116	0.00
62		4-Nitroaniline	40.000	43.331	-8.3	129	0.00
63		Azobenzene	40.000	38.960	2.6	115	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	116	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.812	-17.0	151	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.023	4.9	114	0.00
67		4-Bromophenyl-phenylether	40.000	38.582	3.5	115	0.00
68		Hexachlorobenzene	40.000	38.778	3.1	116	0.00
69		Atrazine	40.000	31.764	20.6	113	0.00
70	C	Pentachlorophenol	40.000	42.272	-5.7	119	0.00
71		Phenanthrene	40.000	37.577	6.1	114	0.00
72		Anthracene	40.000	37.982	5.0	115	0.00
73		Carbazole	40.000	38.042	4.9	115	0.00
74		Di-n-butylphthalate	40.000	37.747	5.6	116	0.00
75	C	Fluoranthene	40.000	37.836	5.4	113	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	31.458	21.4	69	0.00
78		Pyrene	40.000	41.741	-4.4	111	0.00
79	S	Terphenyl-d14	80.000	84.453	-5.6	113	0.00
80		Butylbenzylphthalate	40.000	43.906	-9.8	112	0.00
81		Benzo(a)anthracene	40.000	39.005	2.5	106	0.00
82		3,3'-Dichlorobenzidine	40.000	36.778	8.1	105	0.00
83		Chrysene	40.000	38.847	2.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.603	-6.5	113	0.00
85	c	Di-n-octyl phthalate	40.000	39.891	0.3	112	0.00
86	I	Perylene-d12	20.000	20.000	0.0	120	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.085	-12.7	122	0.00
88		Benzo(b)fluoranthene	40.000	36.232	9.4	113	0.00
89		Benzo(k)fluoranthene	40.000	39.299	1.8	119	0.00
90	C	Benzo(a)pyrene	40.000	38.728	3.2	118	0.00
91		Dibenzo(a,h)anthracene	40.000	45.092	-12.7	121	0.00
92		Benzo(g,h,i)perylene	40.000	40.393	-1.0	119	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139086.D
Acq On : 20 Aug 2024 21:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF082024

Quant Time: Aug 21 01:29:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021481.D 5 =BP021482.D 10 =BP021483.D 20 =BP021484.D 40 =BP021485.D 50 =BP021486.D 60 =BP021487.D 80 =BP0214
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.645	0.605	0.639	5.45
3)		Pyridine		1.744	1.720	1.915	1.802	1.741	1.834	1.725	1.783	4.02
4)		n-Nitrosodimet...		0.545	0.525	0.568	0.532	0.516	0.546	0.519	0.536	3.41
5)	S	2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.401	1.333	1.347	3.18
6)		Aniline		1.964	2.035	2.053	1.978	1.925	1.954	1.841	1.964	3.60
7)	S	Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.998	1.905	1.965	2.87
8)		2-Chlorophenol		1.199	1.221	1.291	1.250	1.236	1.285	1.232	1.245	2.68
9)		Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.057		1.258	13.68
10)	C	Phenol		1.968	2.023	2.138	2.045	2.020	2.077	1.971	2.035	2.94
11)		bis(2-Chloroet...		1.757	1.800	1.787	1.702	1.680	1.690	1.636	1.722	3.53
12)		1,3-Dichlorobe...		1.579	1.479	1.546	1.452	1.422	1.467	1.404	1.479	4.29
13)	C	1,4-Dichlorobe...		1.571	1.514	1.553	1.475	1.435	1.491	1.413	1.493	3.89
14)		1,2-Dichlorobe...		1.523	1.475	1.513	1.410	1.377	1.416	1.356	1.439	4.57
15)		Benzyl Alcohol		1.306	1.454	1.474	1.415	1.417	1.437	1.365	1.410	4.07
16)		2,2'-oxybis(1-...		1.639	1.716	1.642	1.546	1.549	1.532	1.474	1.585	5.23
17)		2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.288	1.230	1.286	2.99
18)		Hexachloroethane		0.599	0.590	0.617	0.594	0.587	0.614	0.590	0.599	2.04
19)	P	n-Nitroso-di-n...	1.329	1.436	1.555	1.433	1.340	1.308	1.271	1.185	1.357	8.44
20)		3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.769	1.670	1.734	4.49
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.636	0.621	0.643	0.612	0.591	0.609	0.590	0.614	3.32
23)	S	Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.436	0.430	0.387	13.07
24)		Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.460	0.454	0.421	10.43
25)		Isophorone		0.947	0.970	0.951	0.913	0.877	0.886	0.864	0.915	4.51
26)	C	2-Nitrophenol		0.054	0.063	0.076	0.094	0.107	0.120		0.086	30.30#
27)		2,4-Dimethylph...		0.218	0.225	0.232	0.225	0.221	0.233	0.227	0.226	2.34
28)		bis(2-Chloroet...		0.577	0.574	0.572	0.549	0.542	0.554	0.543	0.559	2.72
29)	C	2,4-Dichloroph...		0.226	0.249	0.270	0.273	0.275	0.288	0.288	0.267	8.43
30)		1,2,4-Trichlor...		0.355	0.332	0.347	0.340	0.331	0.349	0.343	0.342	2.61
31)		Naphthalene		1.084	1.041	1.074	1.041	1.002	1.046	1.026	1.045	2.65
32)		Benzoic acid			0.082	0.104	0.129	0.151	0.168	0.187	0.137	29.06
33)		4-Chloroaniline		0.394	0.403	0.406	0.395	0.379	0.389	0.381	0.392	2.58
34)	C	Hexachlorobuta...		0.217	0.213	0.218	0.215	0.210	0.219	0.217	0.215	1.50
35)		Caprolactam		0.099	0.115	0.118	0.114	0.109	0.113	0.110	0.111	5.44
36)	C	4-Chloro-3-met...		0.332	0.375	0.382	0.383	0.370	0.378	0.372	0.370	4.74
37)		2-Methylnaphth...		0.747	0.742	0.730	0.705	0.683	0.701	0.683	0.713	3.75
38)		1-Methylnaphth...		0.742	0.735	0.725	0.697	0.673	0.685	0.666	0.703	4.37

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.543	0.592	0.595	0.578	0.616	0.604	0.586	4.05
41)	P	Hexachlorocycl...	0.159	0.153	0.174	0.192	0.195	0.214	0.214	0.186	13.17
42)	S	2,4,6-Tribromo...	0.179	0.204	0.222	0.236	0.231	0.245	0.240	0.223	10.47
43)	C	2,4,6-Trichlor...	0.261	0.284	0.318	0.343	0.339	0.367	0.367	0.326	12.49
44)		2,4,5-Trichlor...	0.284	0.316	0.360	0.382	0.378	0.408	0.404	0.362	12.72
45)	S	2-Fluorobiphenyl	1.371	1.314	1.335	1.327	1.264	1.309	1.253	1.310	3.12
46)		1,1'-Biphenyl	1.462	1.400	1.434	1.428	1.362	1.433	1.386	1.415	2.40
47)		2-Chloronaphth...	1.121	1.075	1.117	1.116	1.065	1.129	1.088	1.102	2.30
48)		2-Nitroaniline	0.146	0.181	0.231	0.285	0.294	0.329	0.328	0.256	28.08
49)		Acenaphthylene	1.660	1.610	1.657	1.645	1.561	1.633	1.570	1.619	2.51
50)		Dimethylphthalate	1.387	1.365	1.369	1.352	1.276	1.340	1.287	1.339	3.17
51)		2,6-Dinitrotol...	0.129	0.187	0.227	0.255	0.261	0.282	0.283	0.232	24.32
52)	C	Acenaphthene	1.094	1.058	1.074	1.073	1.023	1.072	1.042	1.063	2.23
53)		3-Nitroaniline	0.127	0.185	0.221	0.254	0.254	0.279	0.277	0.228	24.33
54)	P	2,4-Dinitrophenol		0.045	0.052	0.066	0.073	0.085	0.093	0.069	27.01
55)		Dibenzofuran	1.735	1.637	1.677	1.649	1.563	1.607	1.575	1.635	3.67
56)	P	4-Nitrophenol		0.141	0.177	0.202	0.201	0.225	0.223	0.195	16.26
57)		2,4-Dinitrotol...	0.140	0.214	0.262	0.320	0.328	0.362	0.365	0.284	29.47
58)		Fluorene	1.431	1.400	1.408	1.354	1.260	1.315	1.233	1.343	5.70
59)		2,3,4,6-Tetrac...	0.250	0.278	0.302	0.328	0.317	0.340	0.333	0.307	10.67
60)		Diethylphthalate	1.405	1.395	1.427	1.397	1.318	1.368	1.310	1.374	3.26
61)		4-Chlorophenyl...	0.741	0.724	0.718	0.695	0.656	0.680	0.644	0.694	5.19
62)		4-Nitroaniline	0.148	0.198	0.242	0.273	0.262	0.288	0.278	0.241	21.07
63)		Azobenzene	1.797	1.779	1.778	1.714	1.555	1.648	1.555	1.689	6.21
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.039	0.052	0.060	0.069	0.075	0.054	30.94
66)	c	n-Nitrosodiphe...	0.534	0.541	0.549	0.538	0.523	0.534	0.531	0.536	1.52
67)		4-Bromophenyl-...	0.211	0.210	0.212	0.207	0.210	0.215	0.216	0.212	1.39
68)		Hexachlorobenzene	0.255	0.249	0.250	0.252	0.245	0.252	0.248	0.250	1.32
69)		Atrazine	0.181	0.186	0.196	0.191	0.179	0.182	0.174	0.184	4.00
70)	C	Pentachlorophenol		0.108	0.125	0.137	0.143	0.151	0.156	0.137	13.07
71)		Phenanthrene	0.990	0.963	0.998	0.965	0.932	0.952	0.932	0.962	2.71
72)		Anthracene	0.954	0.955	0.970	0.950	0.915	0.943	0.915	0.943	2.21
73)		Carbazole	0.908	0.906	0.941	0.930	0.873	0.913	0.892	0.909	2.49
74)		Di-n-butylphth...	1.049	1.065	1.149	1.149	1.133	1.144	1.126	1.116	3.75
75)	C	Fluoranthene	1.215	1.153	1.233	1.200	1.137	1.179	1.144	1.180	3.17
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.297	0.451	0.477	0.476	0.408	0.409	0.420	16.09
78)		Pyrene	1.283	1.470	1.295	1.290	1.262	1.270	1.282	1.307	5.55
79)	S	Terphenyl-d14	1.069	1.196	1.034	1.006	0.973	0.994	0.935	1.029	8.24
80)		Butylbenzylpht...	0.298	0.365	0.411	0.470	0.489	0.508	0.519	0.437	18.83
81)		Benzo(a)anthra...	1.271	1.247	1.291	1.268	1.224	1.244	1.242	1.256	1.79
82)		3,3'-Dichlorob...	0.349	0.358	0.413	0.428	0.419	0.429	0.422	0.403	8.47
83)		Chrysene	1.213	1.180	1.205	1.197	1.151	1.182	1.169	1.185	1.81
84)		Bis(2-ethylhex...	0.607	0.635	0.741	0.781	0.804	0.800	0.826	0.742	11.70
85)	c	Di-n-octyl pht...		0.839	1.115	1.247	1.285	1.332	1.376	1.199	16.51

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.244	1.156	1.317	1.327	1.297	1.384	1.350	1.296	5.84
88)		Benzo(b)fluora...	1.106	1.152	1.158	1.155	1.119	1.189	1.163	1.149	2.42
89)		Benzo(k)fluora...	1.115	1.101	1.124	1.141	1.103	1.150	1.110	1.121	1.69
90)	C	Benzo(a)pyrene	0.953	0.953	1.003	1.012	0.996	1.040	1.019	0.997	3.28
91)		Dibenzo(a,h)an...	1.034	0.965	1.106	1.102	1.080	1.144	1.109	1.077	5.54
92)		Benzo(g,h,i)pe...	1.052	0.955	1.096	1.102	1.074	1.151	1.128	1.080	5.91

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	291697	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1211879	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	840945	20.000	ng	-0.01
64) Phenanthrene-d10	17.239	188	1860621	20.000	ng	-0.01
76) Chrysene-d12	21.704	240	1845246	20.000	ng	0.00
86) Perylene-d12	25.115	264	2154249	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.599	70	48460	2.448	ng	99

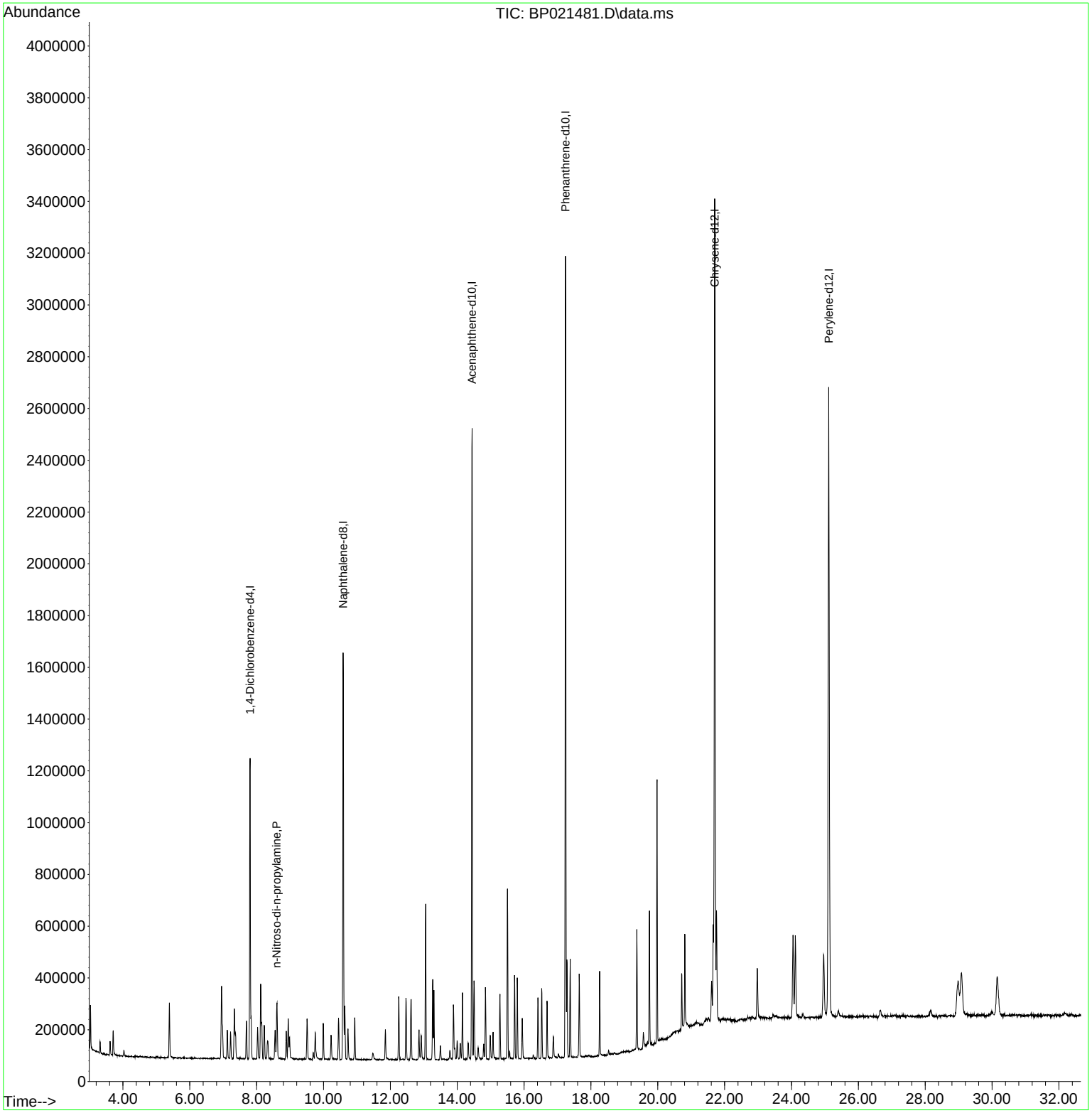
(#) = qualifier out of range (m) = manual integration (+) = signals summed

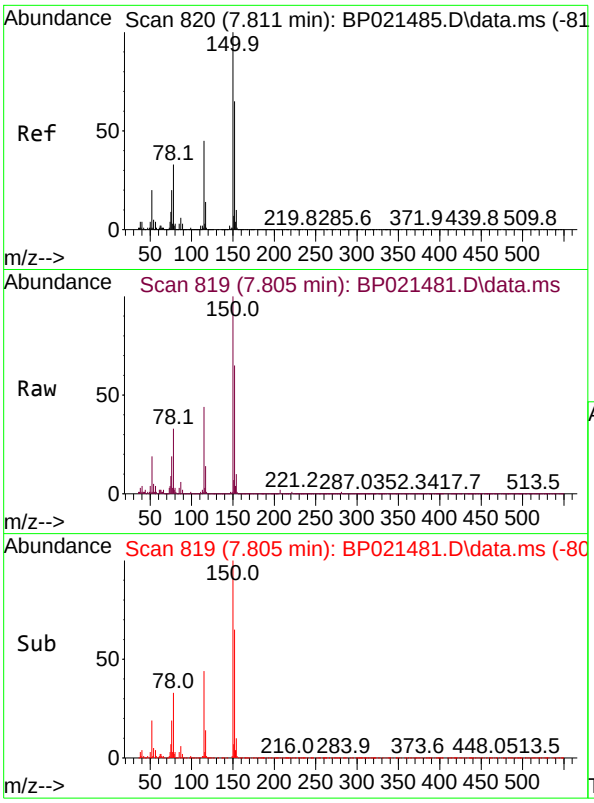
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration



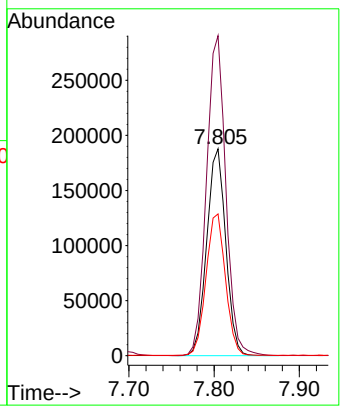


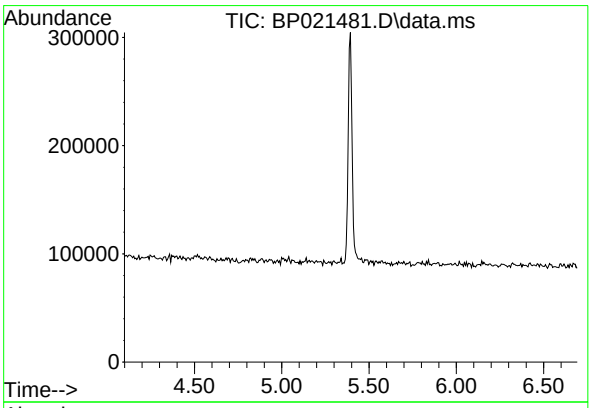
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 291697

Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.4	183.6
115	68.5	54.7	82.1



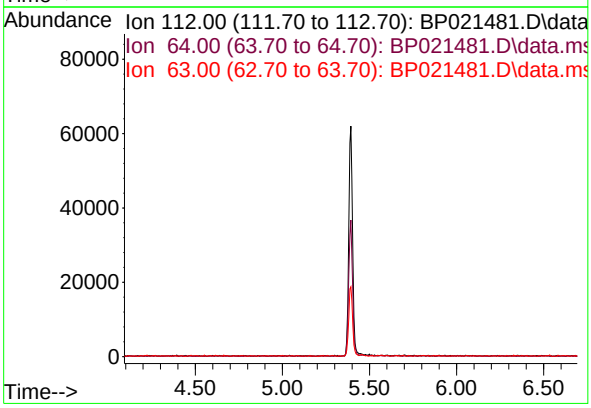


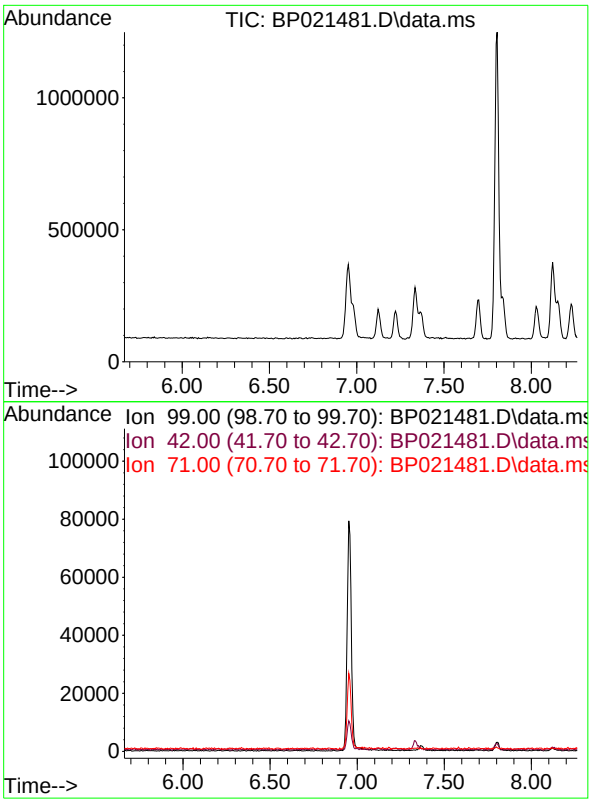
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.3
63	30.7





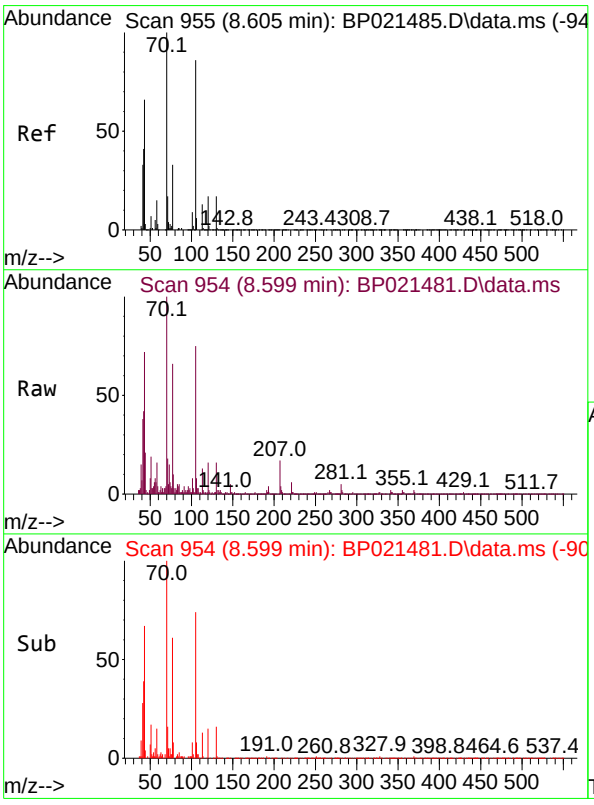
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.96 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

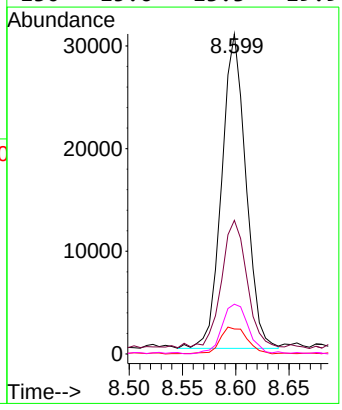
Sig	Exp Ratio
99	100
42	12.8
71	32.3

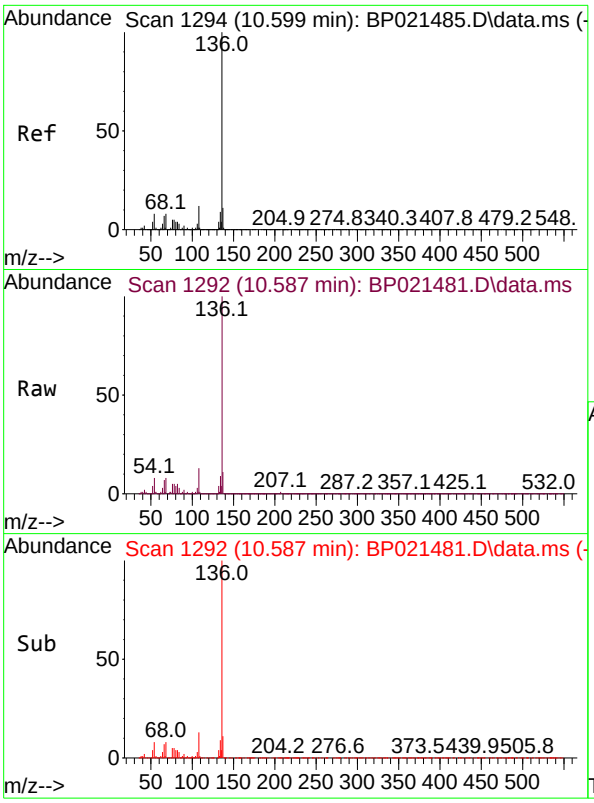


#19
n-Nitroso-di-n-propylamine
Concen: 2.448 ng
RT: 8.599 min Scan# 954
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 70 Resp: 48460

Ion	Ratio	Lower	Upper
70	100		
42	41.7	33.1	49.7
101	7.8	7.4	11.2
130	15.6	13.3	19.9



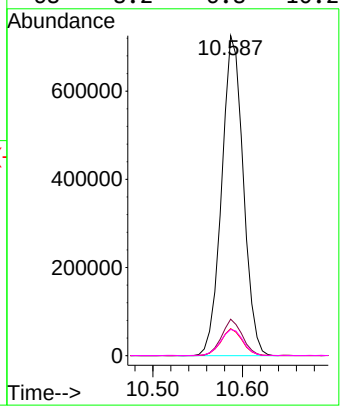


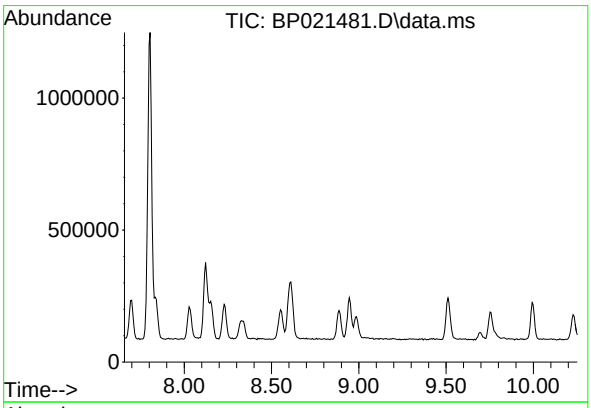
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1211879

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	6.3	9.5
68	8.2	6.8	10.2



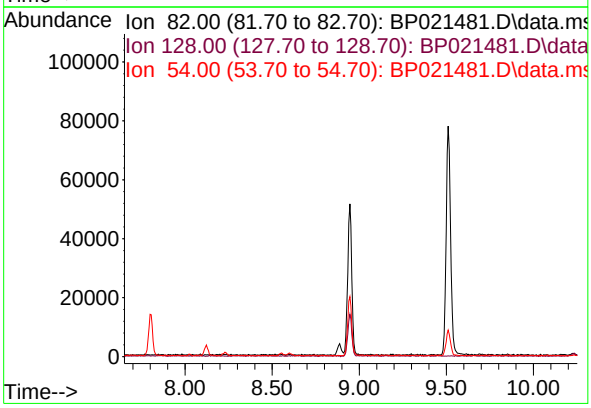


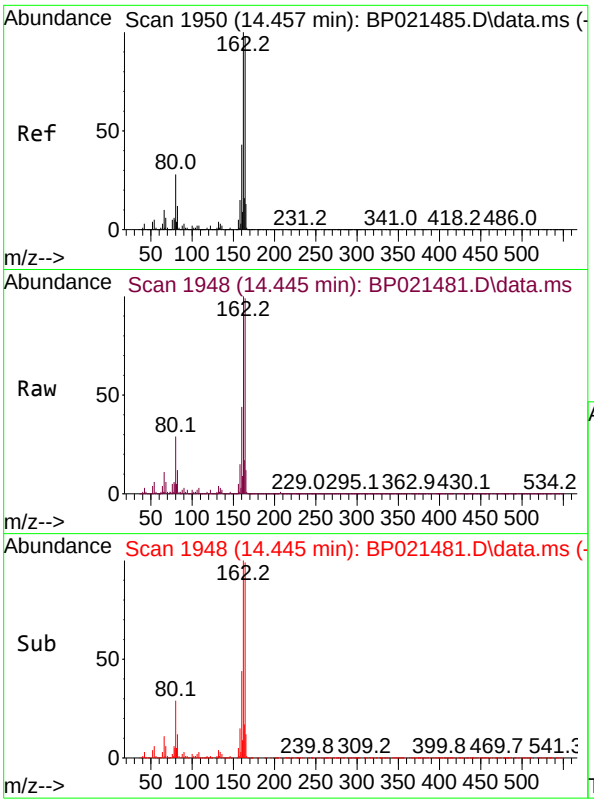
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.95 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	33.1
54	37.9



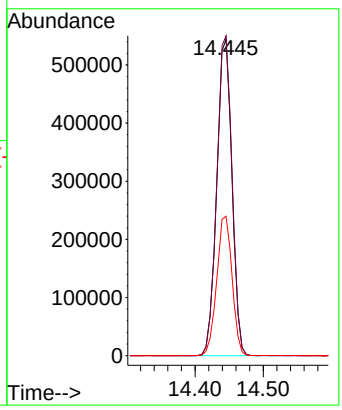


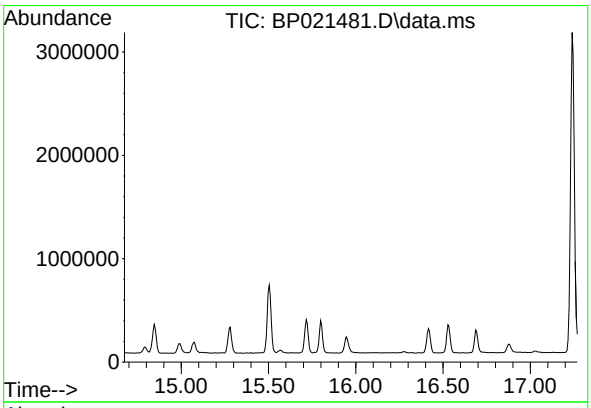
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 840945

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.5	122.3
160	44.1	35.2	52.8



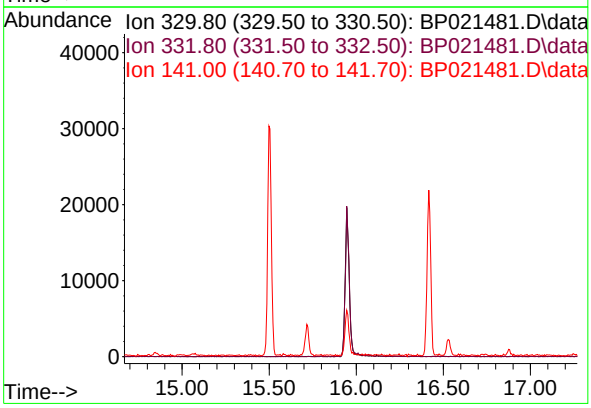


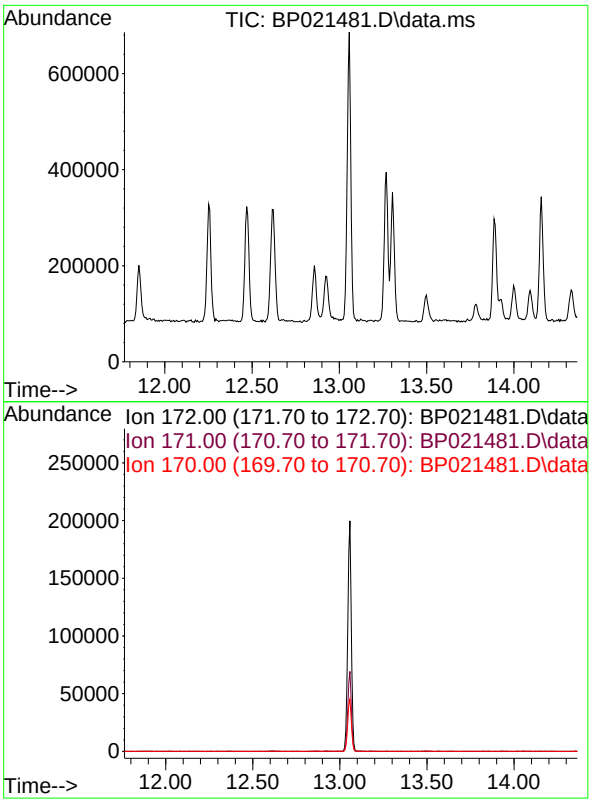
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	30.6





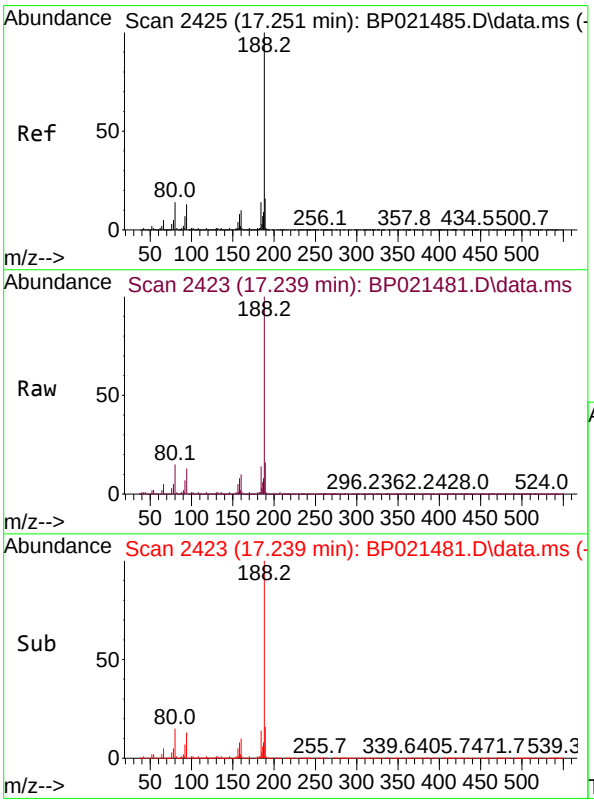
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.06 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

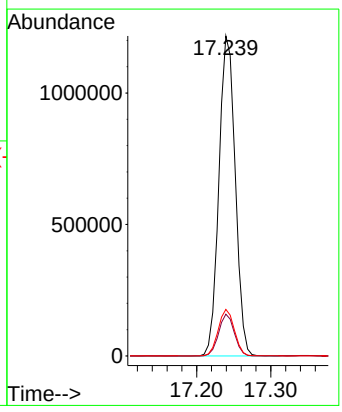
Sig	Exp Ratio
172	100
171	35.3
170	23.0

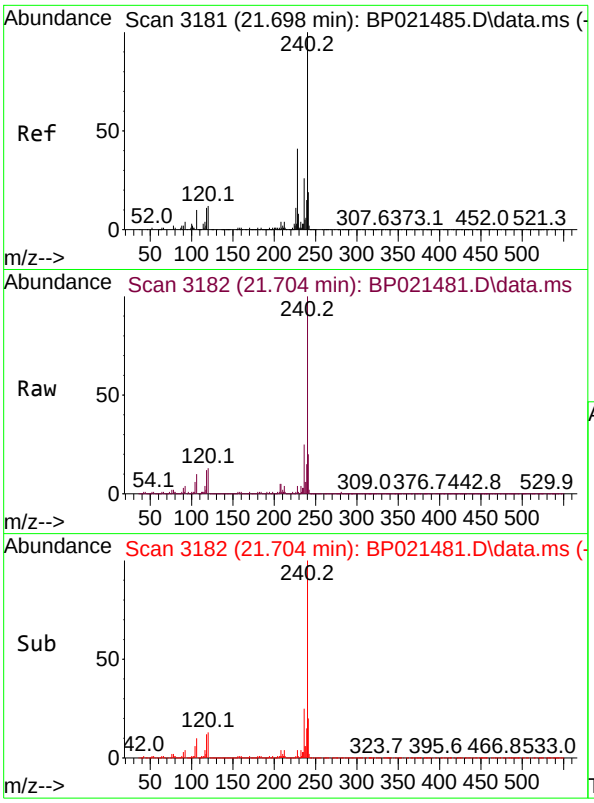


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion:188 Resp: 1860621

Ion	Ratio	Lower	Upper
188	100		
94	13.0	10.2	15.4
80	14.6	11.6	17.4



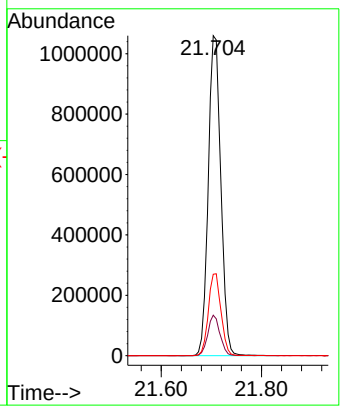


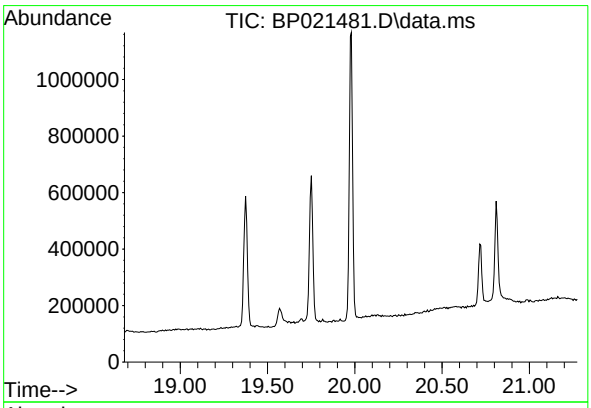
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1845246

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.9	14.9
236	25.4	20.6	30.8



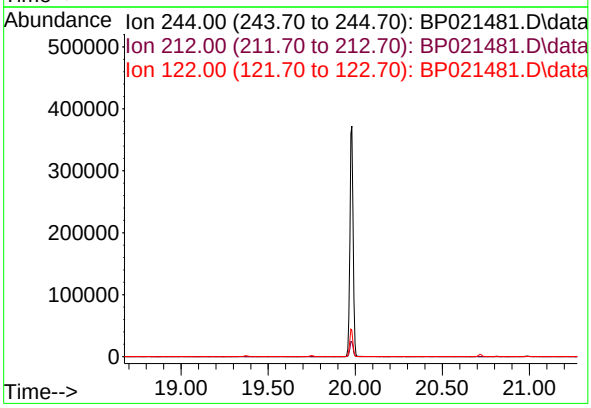


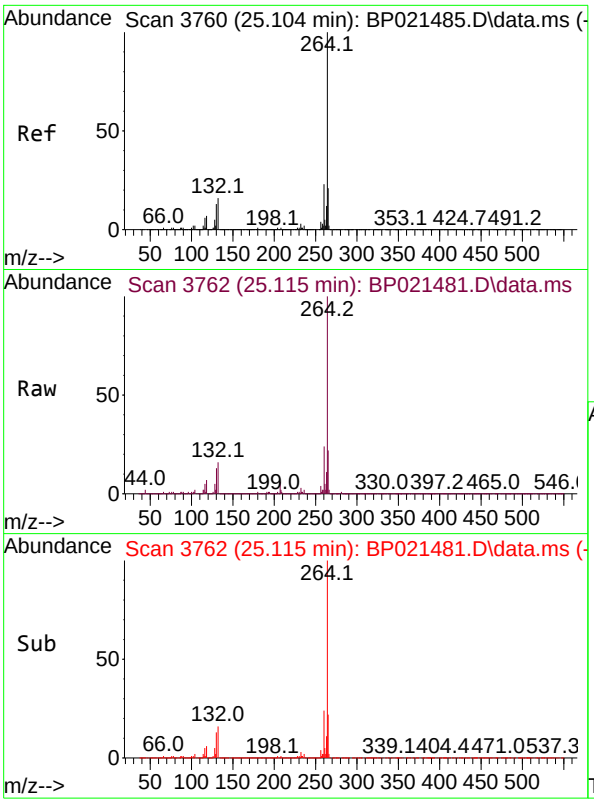
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.8



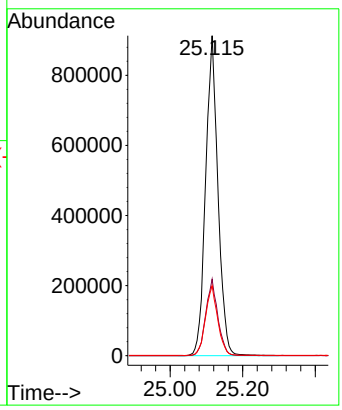


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 2154249

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.8	17.1	25.7



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	312360	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1334707	20.000	ng		-0.01
39) Acenaphthene-d10	14.451	164	933864	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2070828	20.000	ng		0.00
76) Chrysene-d12	21.698	240	2040393	20.000	ng		0.00
86) Perylene-d12	25.115	264	2299535	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	208031	9.889	ng		0.00
7) Phenol-d6	6.957	99	296244	9.654	ng		0.00
23) Nitrobenzene-d5	8.946	82	199944	7.732	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	83806	8.063	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	640316	10.464	ng		0.00
79) Terphenyl-d14	19.980	244	1090116	10.379	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	53510	5.365	ng		98
3) Pyridine	3.711	79	136152	4.890	ng		99
4) n-Nitrosodimethylamine	3.616	42	42551	5.084	ng	#	92
6) Aniline	7.128	93	153398	5.000	ng		97
8) 2-Chlorophenol	7.369	128	93591	4.814	ng		99
9) Benzaldehyde	6.946	77	106515	5.421	ng		99
10) Phenol	6.981	94	153713	4.837	ng		98
11) bis(2-Chloroethyl)ether	7.228	93	137203	5.103	ng		99
12) 1,3-Dichlorobenzene	7.699	146	123281	5.339	ng		99
13) 1,4-Dichlorobenzene	7.840	146	122689	5.262	ng		97
14) 1,2-Dichlorobenzene	8.157	146	118950	5.294	ng		99
15) Benzyl Alcohol	8.028	79	101967	4.631	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.334	45	127954	5.167	ng		98
17) 2-Methylphenol	8.228	107	98168	4.887	ng		96
18) Hexachloroethane	8.887	117	46773	5.002	ng		97
19) n-Nitroso-di-n-propyla...	8.599	70	112153	5.291	ng		98
20) 3+4-Methylphenols	8.551	107	124528	4.597	ng		97
22) Acetophenone	8.610	105	212108	5.173	ng	#	98
24) Nitrobenzene	8.987	77	112817	4.017	ng		97
25) Isophorone	9.516	82	315900	5.171	ng		99
26) 2-Nitrophenol	9.698	139	18035	4.396	ng		97
27) 2,4-Dimethylphenol	9.757	122	72762	4.826	ng		99
28) bis(2-Chloroethoxy)met...	9.993	93	192662	5.167	ng		100
29) 2,4-Dichlorophenol	10.228	162	75312	4.228	ng		95
30) 1,2,4-Trichlorobenzene	10.451	180	118446	5.186	ng		95
31) Naphthalene	10.640	128	361804	5.189	ng		99
33) 4-Chloroaniline	10.740	127	131360	5.015	ng		97
34) Hexachlorobutadiene	10.940	225	72436	5.038	ng		97
35) Caprolactam	11.475	113	33090	4.463	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	110736	4.481	ng		97
37) 2-Methylnaphthalene	12.251	142	249268	5.238	ng		98
38) 1-Methylnaphthalene	12.475	142	247615	5.276	ng		100
40) 1,2,4,5-Tetrachloroben...	12.622	216	133916	4.894	ng		99
41) Hexachlorocyclopentadiene	12.616	237	37190	4.288	ng		96
43) 2,4,6-Trichlorophenol	12.857	196	60845	4.003	ng		98
44) 2,4,5-Trichlorophenol	12.928	196	66306	3.926	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.275	154	341430	5.168	ng		99
47) 2-Chloronaphthalene	13.310	162	261761	5.089	ng		99
48) 2-Nitroaniline	13.498	65	34186	7.264	ng		97
49) Acenaphthylene	14.163	152	387614	5.126	ng		99
50) Dimethylphthalate	13.898	163	323804	5.178	ng		99
51) 2,6-Dinitrotoluene	14.010	165	30050	6.169	ng	#	81
52) Acenaphthene	14.516	154	255510	5.150	ng		99
53) 3-Nitroaniline	14.334	138	29621	6.160	ng	#	79
55) Dibenzofuran	14.851	168	405023	5.307	ng		99
57) 2,4-Dinitrotoluene	14.804	165	32636	6.843	ng		90
58) Fluorene	15.516	166	333975	5.326	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.086	232	58426	4.076	ng	#	98
60) Diethylphthalate	15.281	149	328116	5.113	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	173085	5.340	ng		100
62) 4-Nitroaniline	15.510	138	34574	5.481	ng	#	67
63) Azobenzene	15.810	77	419466	5.318	ng		98
66) n-Nitrosodiphenylamine	15.728	169	276698	4.986	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	109250	4.985	ng		97
68) Hexachlorobenzene	16.545	284	132184	5.104	ng		97
69) Atrazine	16.692	200	93767	4.921	ng		99
71) Phenanthrene	17.292	178	512757	5.149	ng		99
72) Anthracene	17.386	178	493987	5.058	ng		99
73) Carbazole	17.669	167	470253	4.996	ng		99
74) Di-n-butylphthalate	18.269	149	542975	4.697	ng		99
75) Fluoranthene	19.380	202	629080	5.148	ng		99
78) Pyrene	19.757	202	654333	4.906	ng		100
80) Butylbenzylphthalate	20.710	149	152079	6.382	ng		95
81) Benzo(a)anthracene	21.680	228	648521	5.063	ng		100
82) 3,3'-Dichlorobenzidine	21.592	252	178137	4.338	ng		98
83) Chrysene	21.745	228	618621	5.115	ng		99
84) Bis(2-ethylhexyl)phtha...	21.651	149	309738	4.091	ng		100
87) Indeno(1,2,3-cd)pyrene	28.962	276	715393m	4.800	ng		
88) Benzo(b)fluoranthene	24.015	252	636027	4.816	ng		99
89) Benzo(k)fluoranthene	24.092	252	640982	4.975	ng		99
90) Benzo(a)pyrene	24.939	252	548144	4.783	ng		100
91) Dibenzo(a,h)anthracene	29.068	278	594702	4.802	ng		98
92) Benzo(g,h,i)perylene	30.162	276	604771	4.872	ng		96

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

ICAL Form

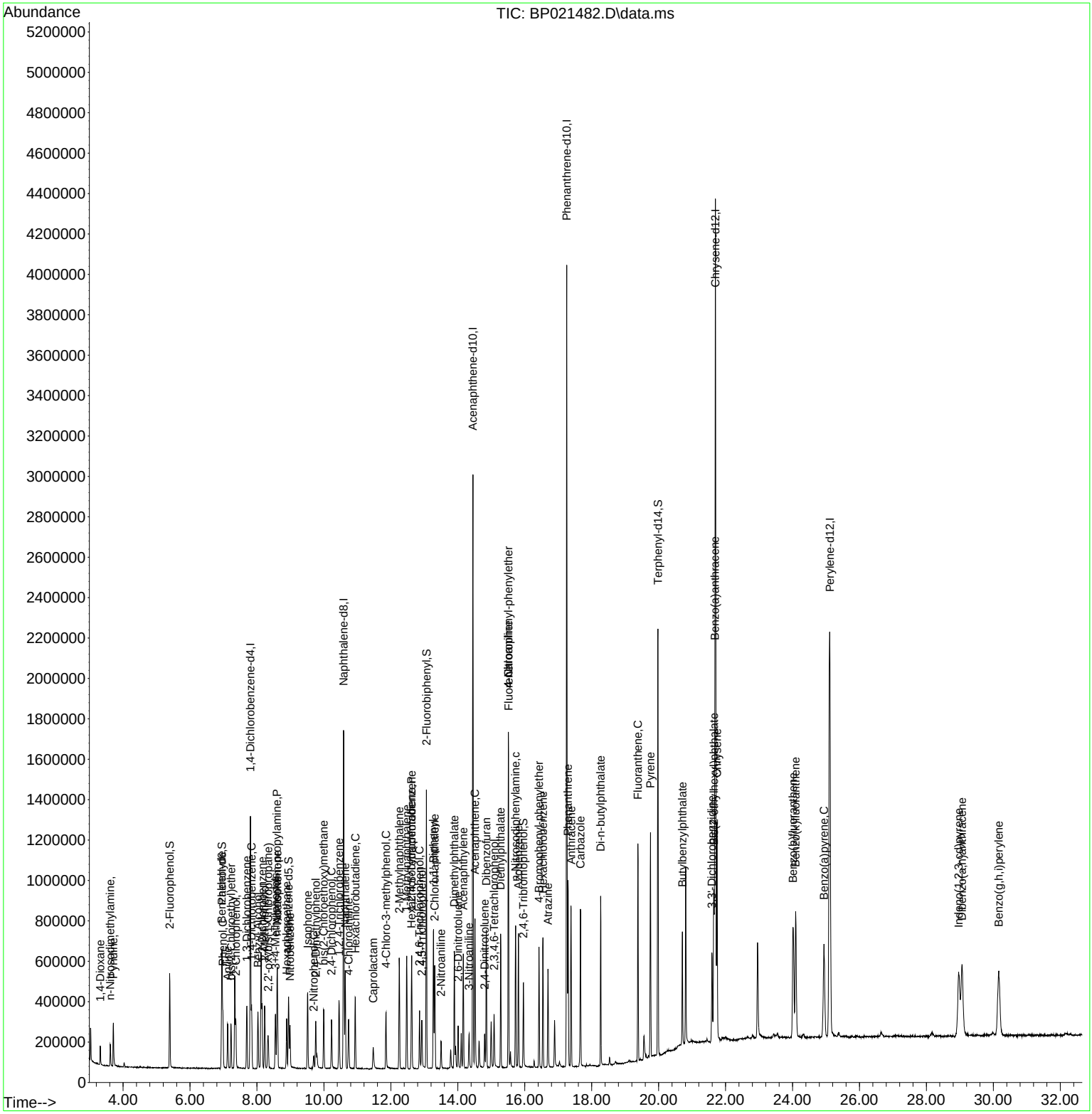
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

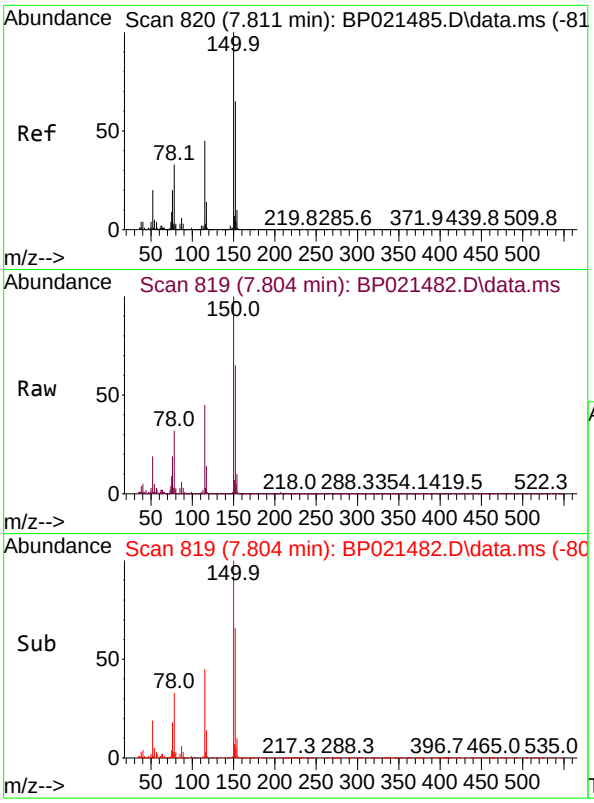
Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

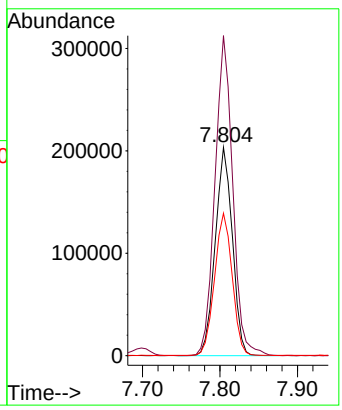




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 31236

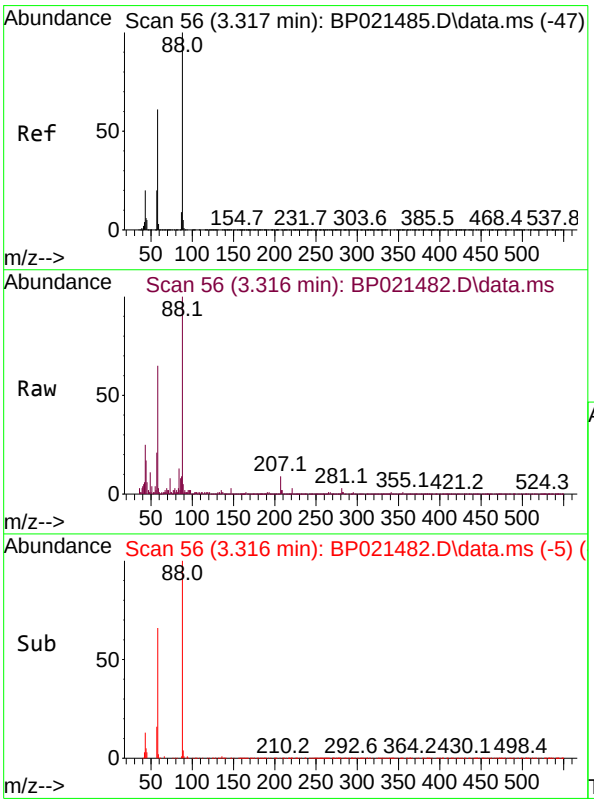
Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

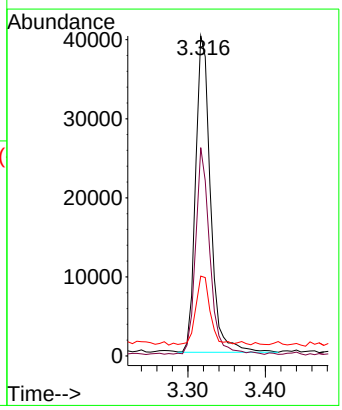
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

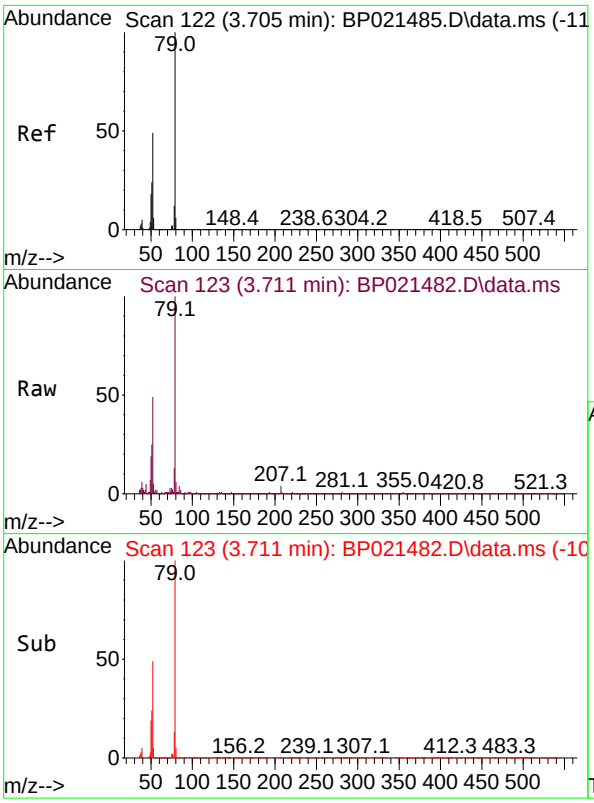


#2
1,4-Dioxane
Concen: 5.365 ng
RT: 3.316 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 88 Resp: 53510

Ion	Ratio	Lower	Upper
88	100		
58	62.2	48.7	73.1
43	20.5	15.4	23.2

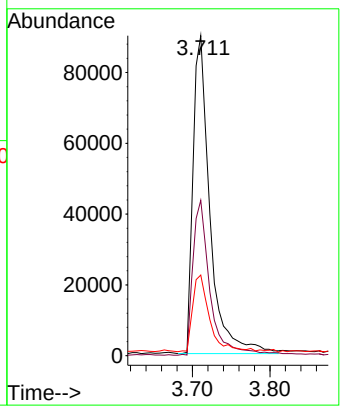




#3
Pyridine
Concen: 4.890 ng
RT: 3.711 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 13615

Ion	Ratio	Lower	Upper
79	100		
52	48.5	39.0	58.6
51	25.2	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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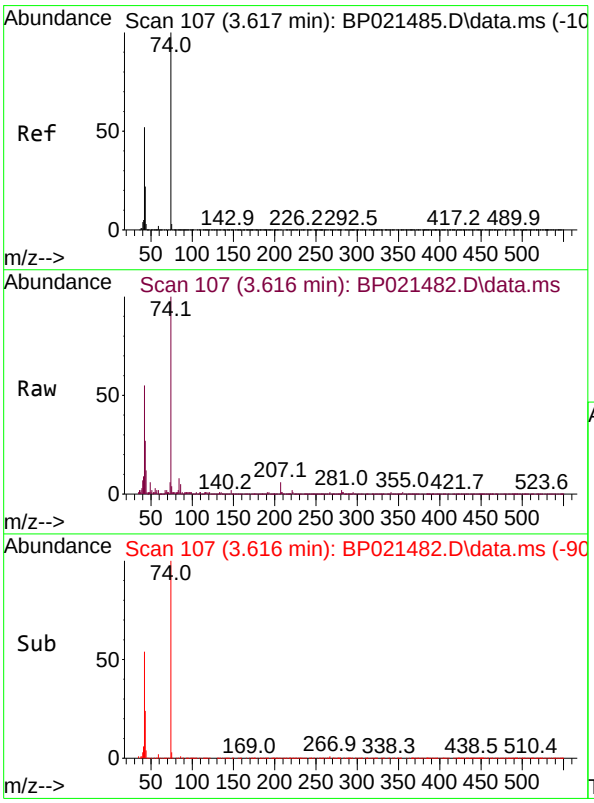
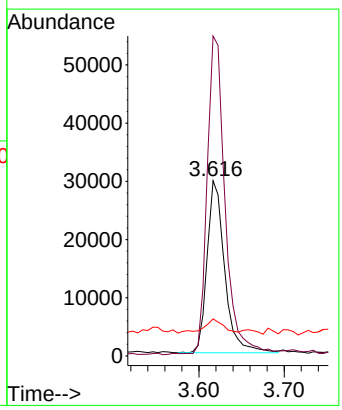
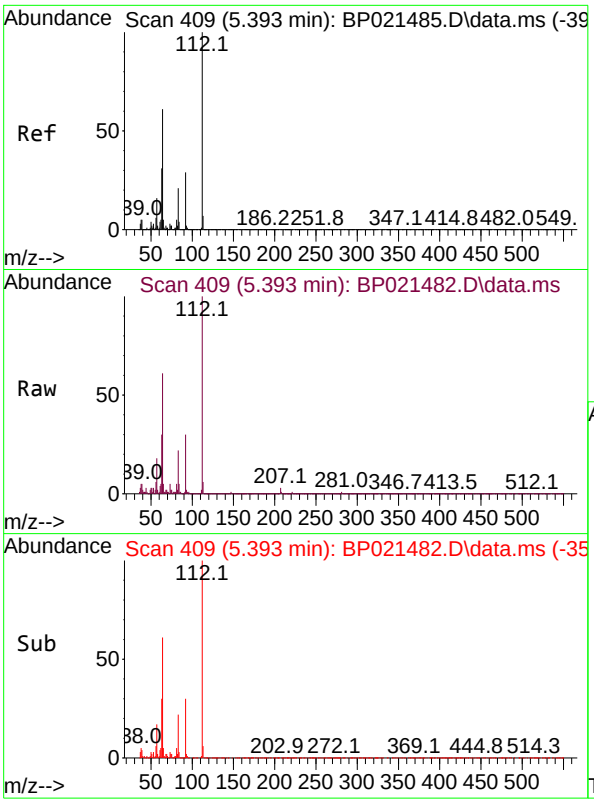


#4
n-Nitrosodimethylamine
Concen: 5.084 ng
RT: 3.616 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 42 Resp: 42551

Ion	Ratio	Lower	Upper
42	100		
74	182.7	154.3	231.5
44	21.2	6.2	9.4#

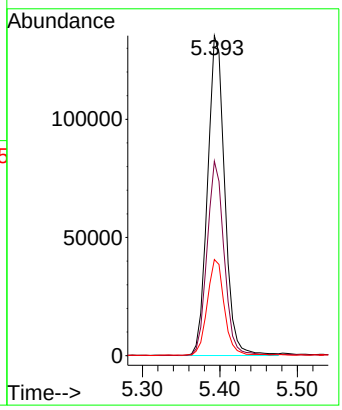




#5
2-Fluorophenol
Concen: 9.889 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:112 Resp: 20803

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.0	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
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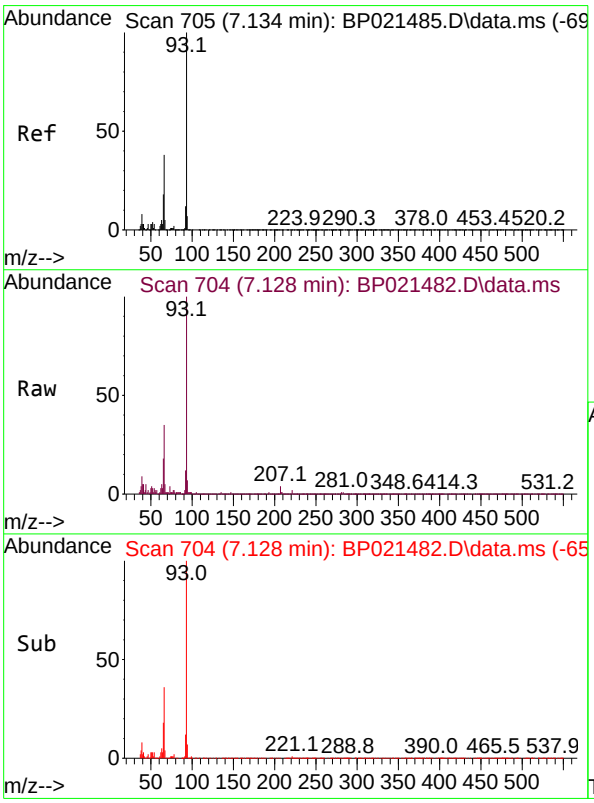
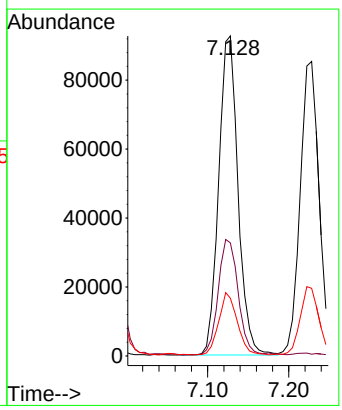
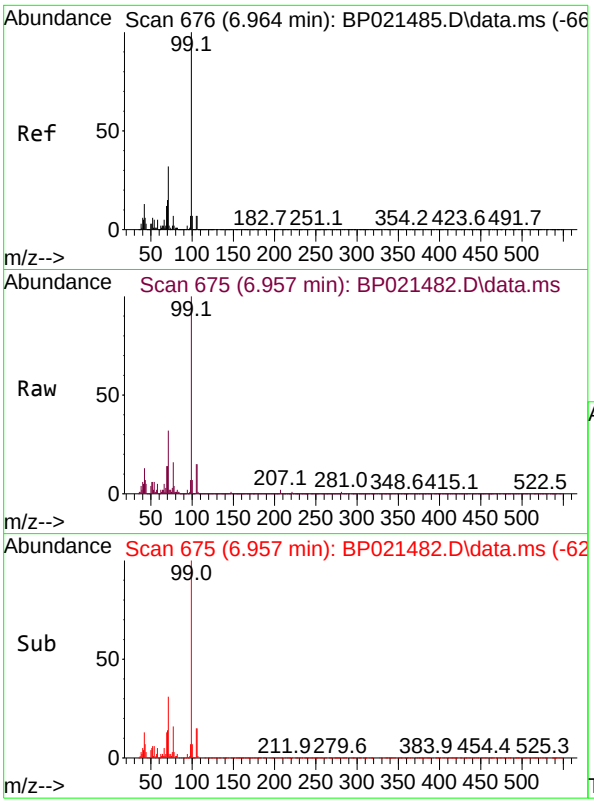


#6
Aniline
Concen: 5.000 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 153398

Ion	Ratio	Lower	Upper
93	100		
66	35.4	30.2	45.2
65	18.0	14.7	22.1

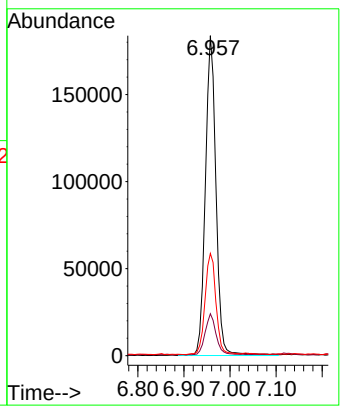




#7
Phenol-d6
Concen: 9.654 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 99 Resp: 29624

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.0	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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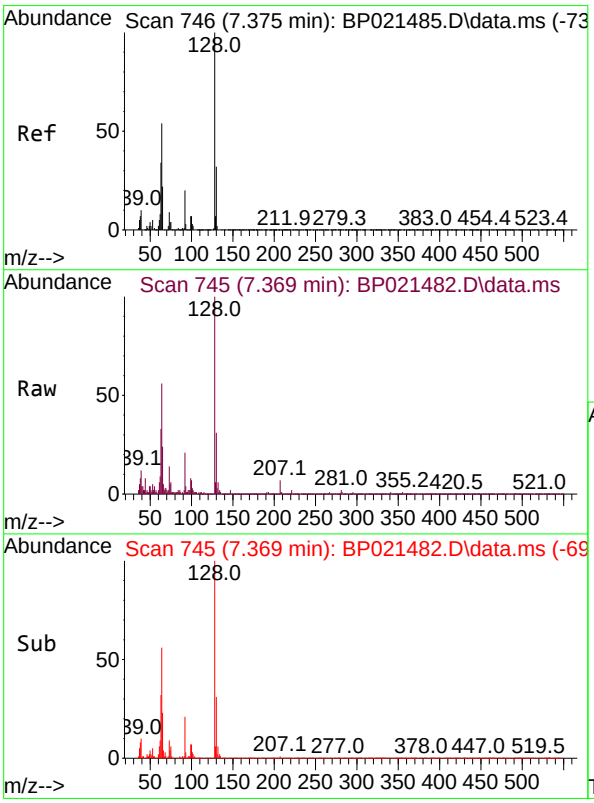
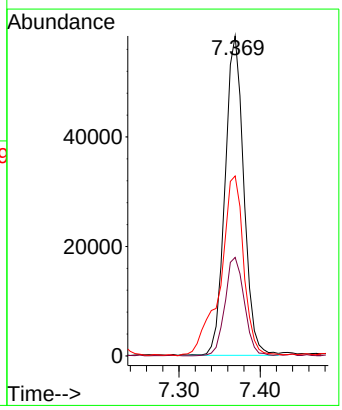
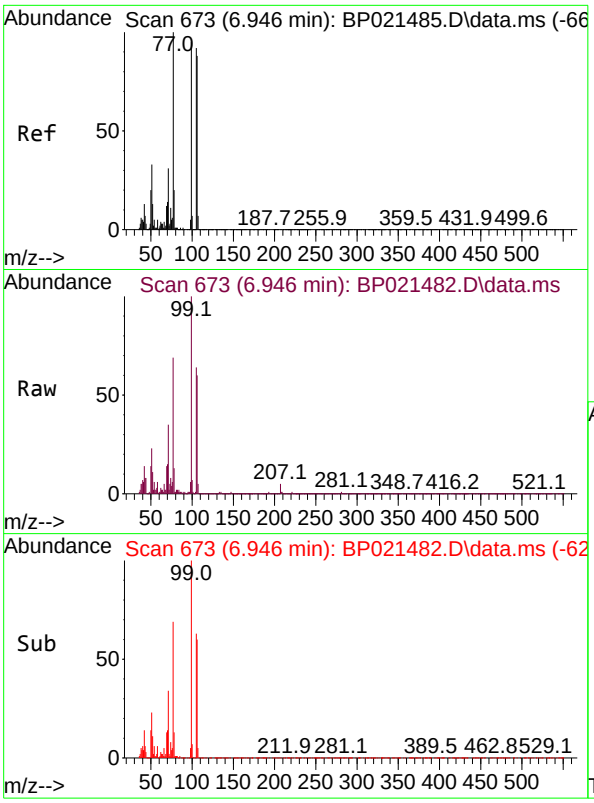


#8
2-Chlorophenol
Concen: 4.814 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 93591

Ion	Ratio	Lower	Upper
128	100		
130	30.8	11.6	51.6
64	56.2	35.3	75.3

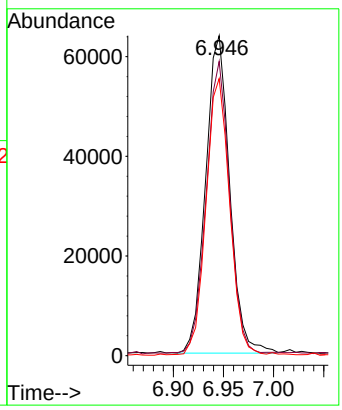




#9
Benzaldehyde
Concen: 5.421 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 10651

Ion	Ratio	Lower	Upper
77	100		
105	91.9	72.1	112.1
106	86.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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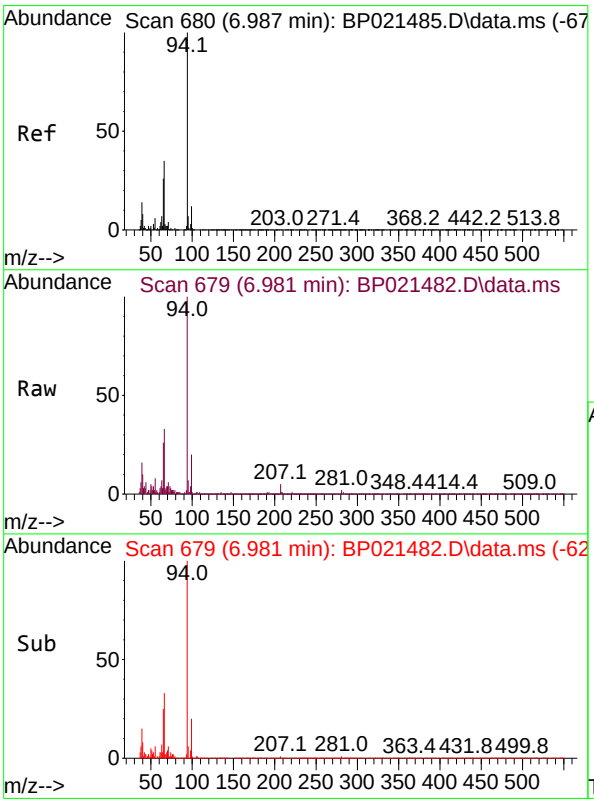
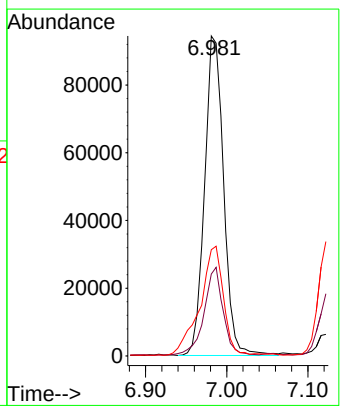
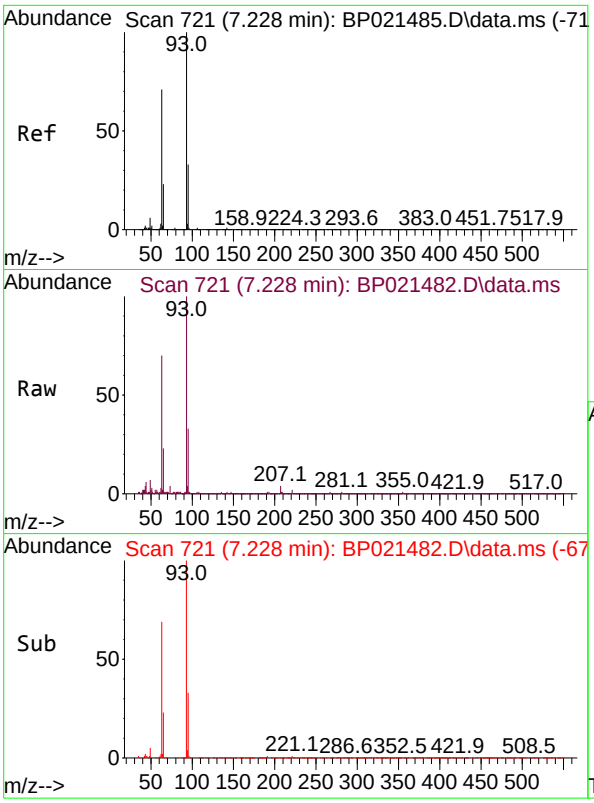


#10
Phenol
Concen: 4.837 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 94 Resp: 153713

Ion	Ratio	Lower	Upper
94	100		
65	25.6	6.5	46.5
66	33.2	14.7	54.7

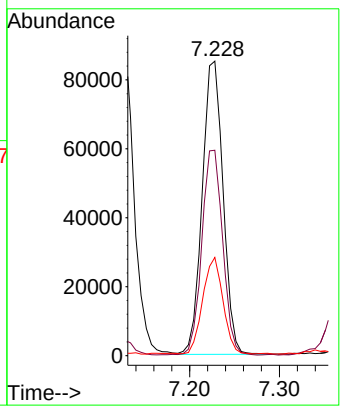




#11
bis(2-Chloroethyl)ether
Concen: 5.103 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 13720

Ion	Ratio	Lower	Upper
93	100		
63	69.8	51.0	91.0
95	33.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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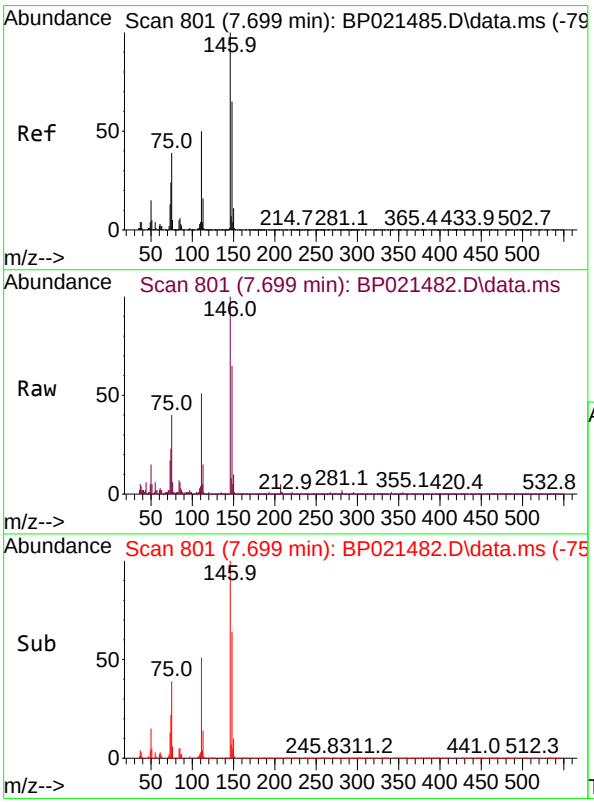
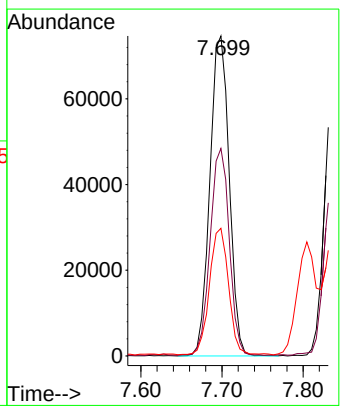
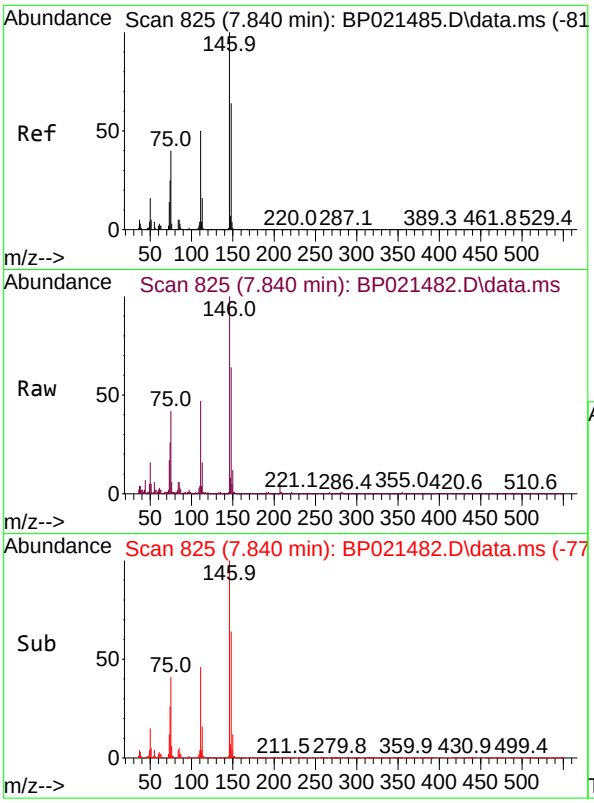


#12
1,3-Dichlorobenzene
Concen: 5.339 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 123281

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	39.9	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 5.262 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 12268

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.5	77.3
111	46.8	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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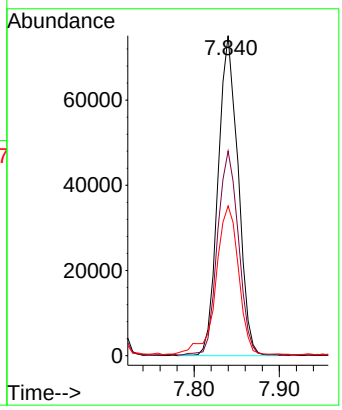
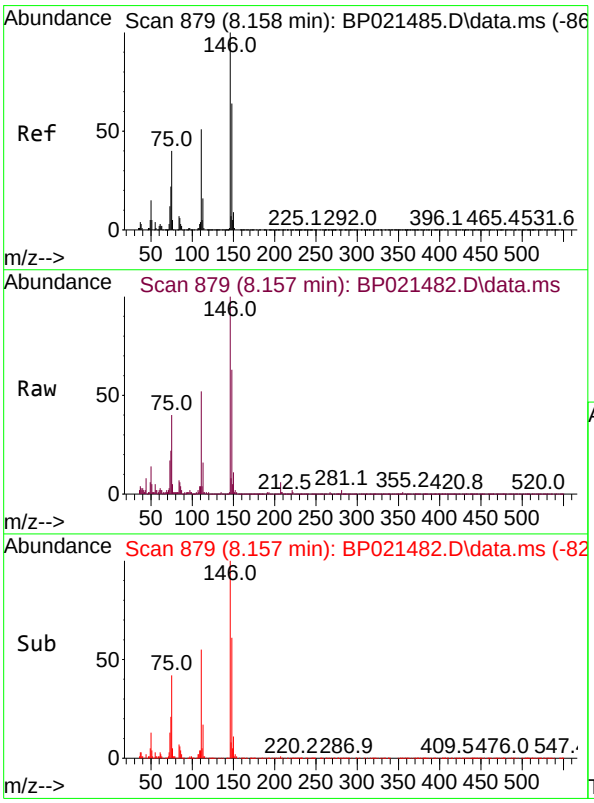
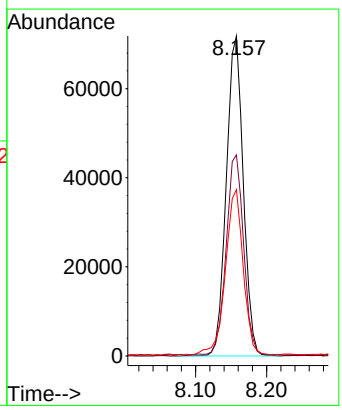


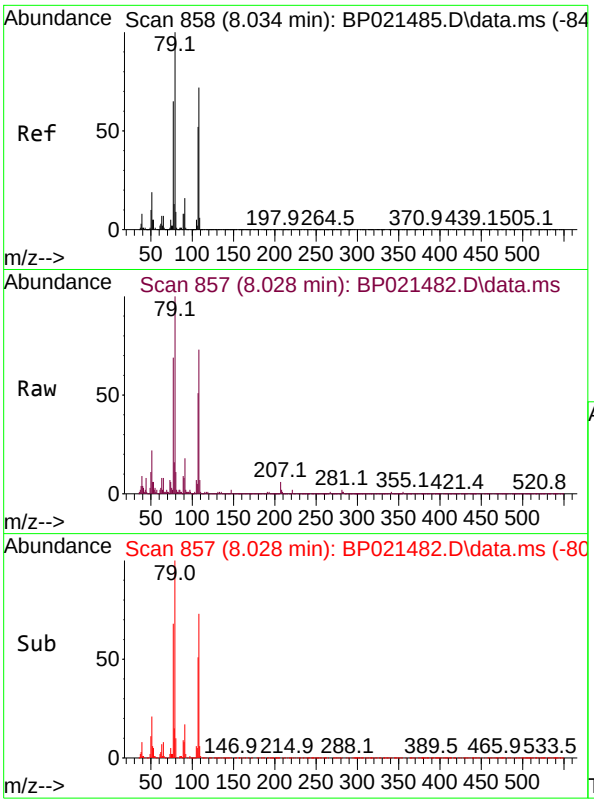


#14
1,2-Dichlorobenzene
Concen: 5.294 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 118950

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.5	77.3
111	52.0	41.1	61.7





#15
Benzyl Alcohol
Concen: 4.631 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 10196

Ion	Ratio	Lower	Upper
79	100		
108	72.8	57.9	86.9
77	68.6	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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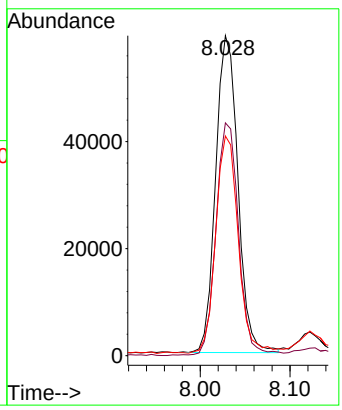
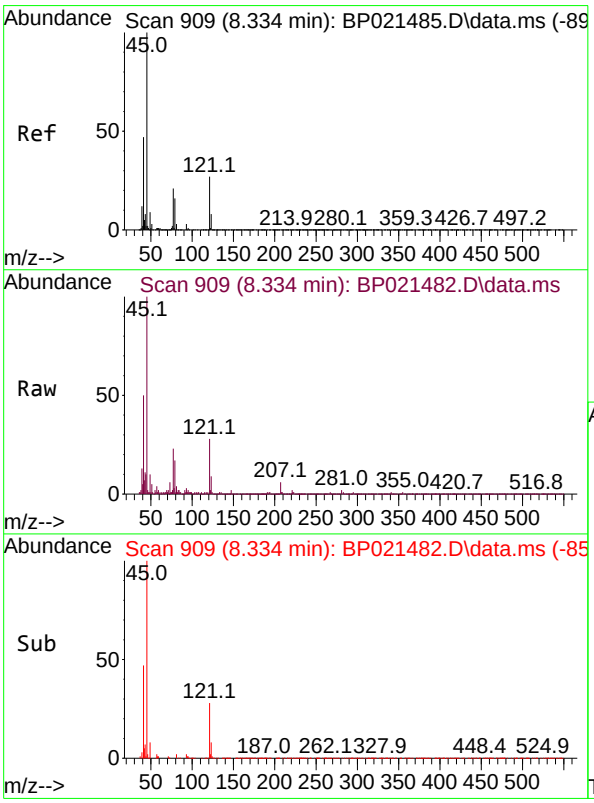
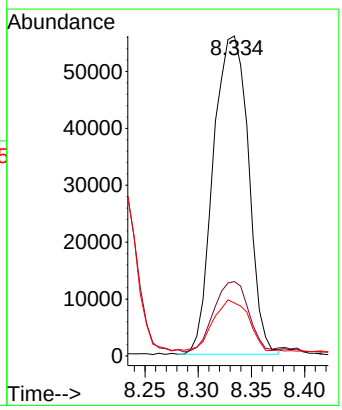


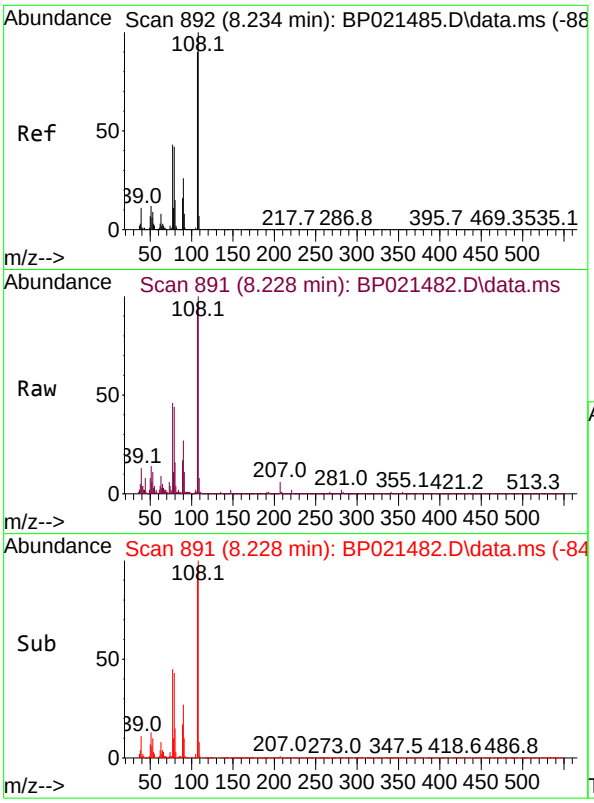


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.167 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 45 Resp: 127954

Ion	Ratio	Lower	Upper
45	100		
77	23.2	1.9	41.9
79	16.6	0.0	36.6

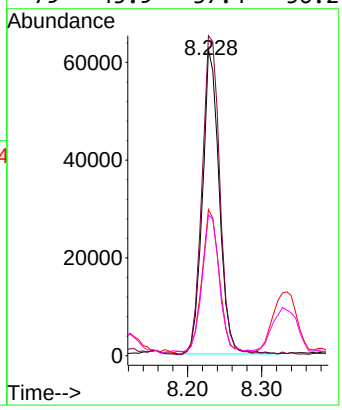




#17
2-Methylphenol
Concen: 4.887 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 9816

Ion	Ratio	Lower	Upper
107	100		
108	104.6	88.8	133.2
77	47.8	38.7	58.1
79	45.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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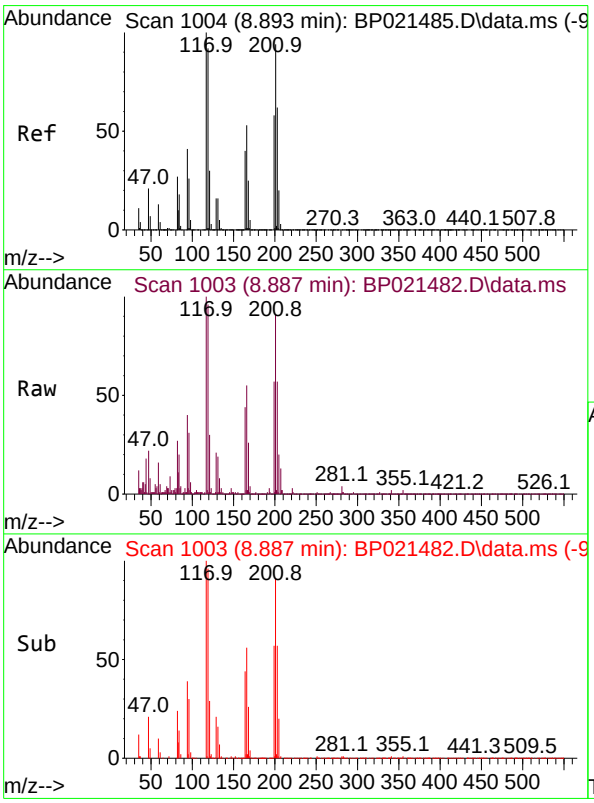
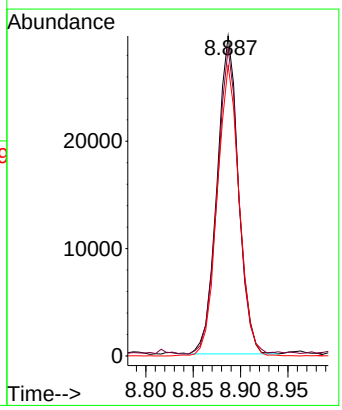
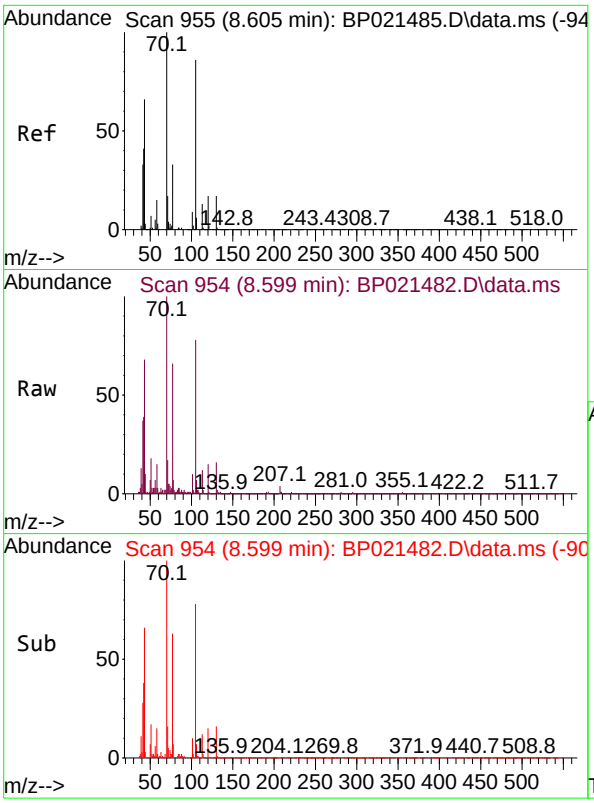


#18
Hexachloroethane
Concen: 5.002 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:117 Resp: 46773

Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.9	110.9
201	90.9	74.9	112.3

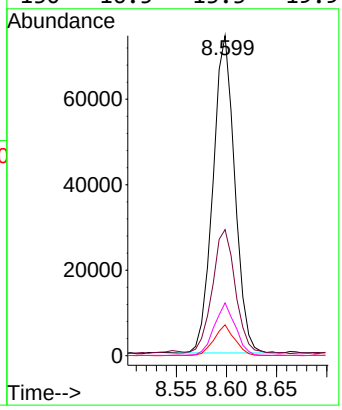




#19
n-Nitroso-di-n-propylamine
Concen: 5.291 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 70 Resp: 11215

Ion	Ratio	Lower	Upper
70	100		
42	39.4	33.1	49.7
101	9.6	7.4	11.2
130	16.5	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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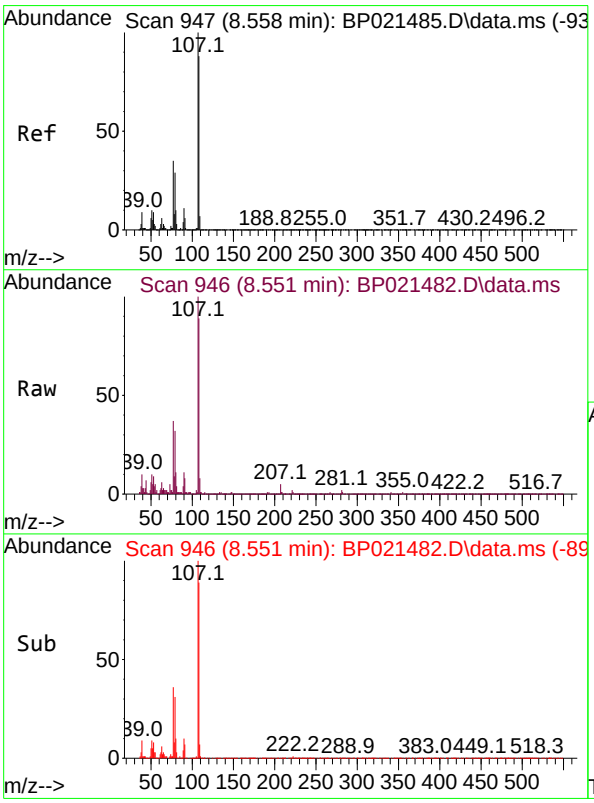
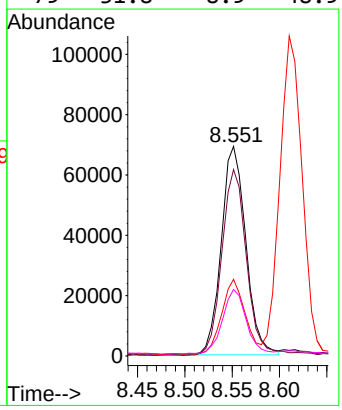
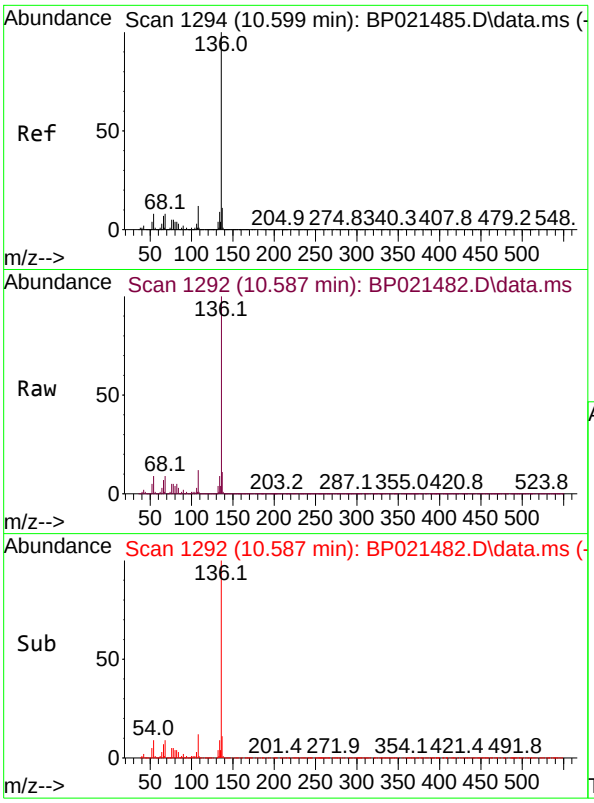


#20
3+4-Methylphenols
Concen: 4.597 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 124528

Ion	Ratio	Lower	Upper
107	100		
108	89.0	67.6	107.6
77	36.6	15.0	55.0
79	31.8	8.9	48.9

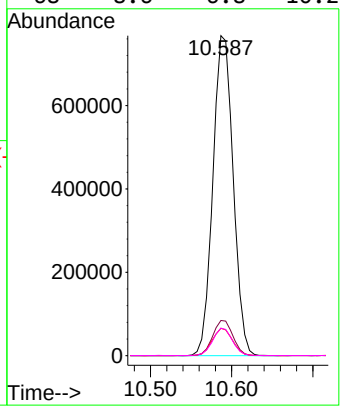




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:136 Resp: 133470

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.3	9.5
68	8.6	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
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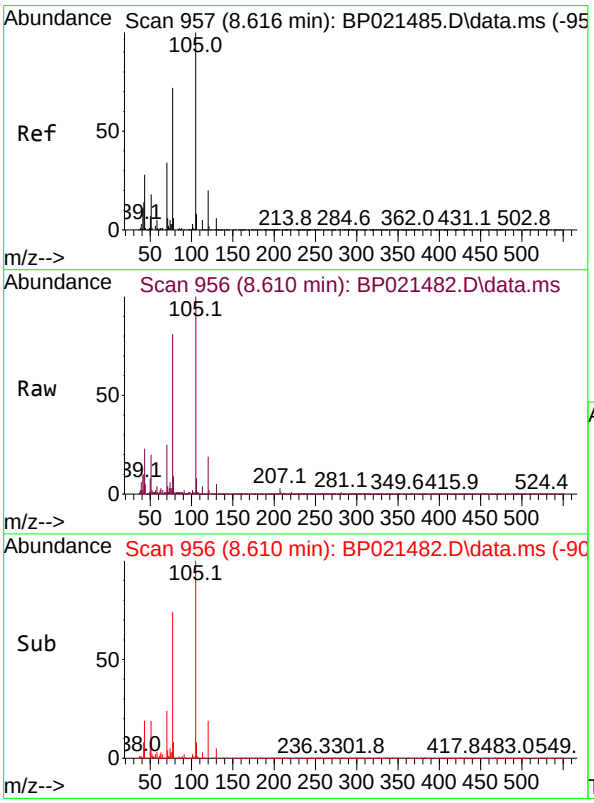
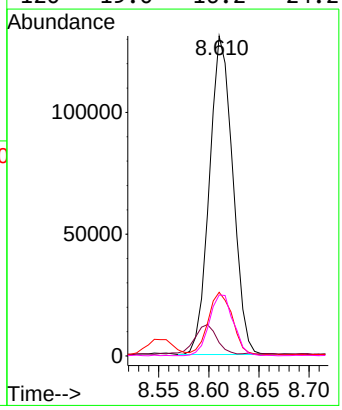
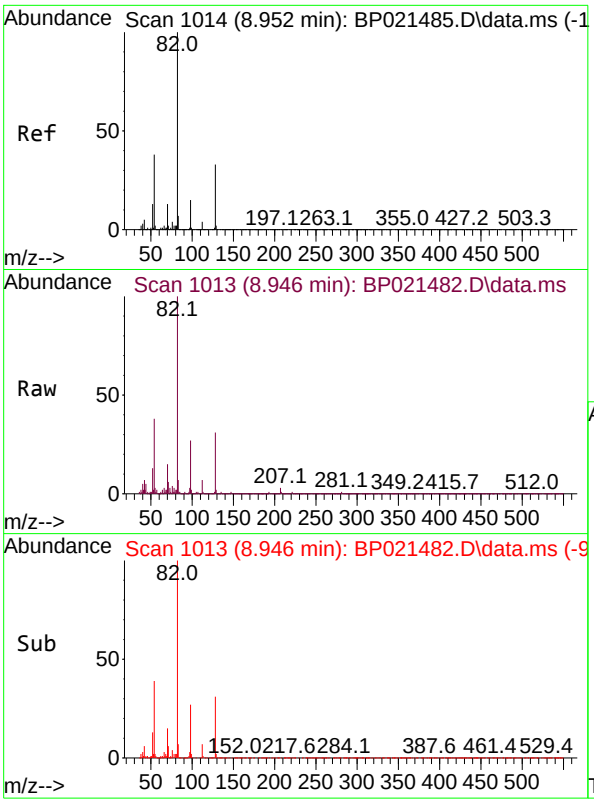


#22
Acetophenone
Concen: 5.173 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:105 Resp: 212108

Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.6	7.0#
51	19.9	16.3	24.5
120	19.0	16.2	24.2

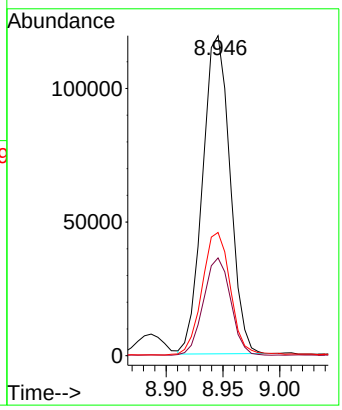




#23
Nitrobenzene-d5
Concen: 7.732 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 19994

Ion	Ratio	Lower	Upper
82	100		
128	30.5	26.5	39.7
54	38.5	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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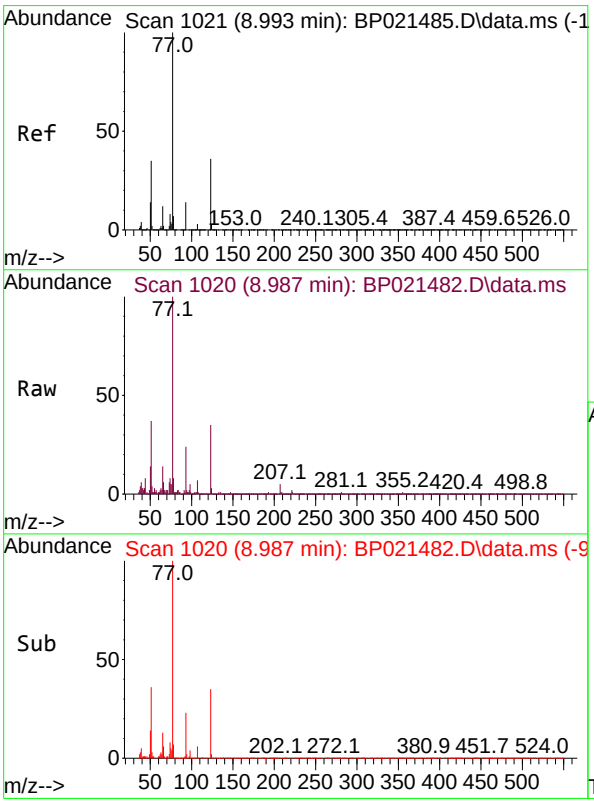
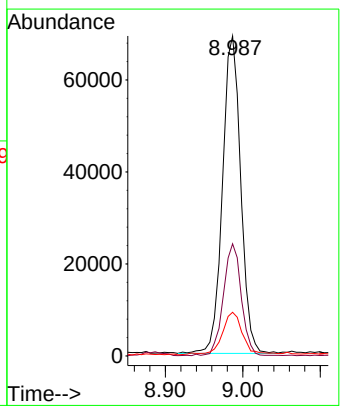
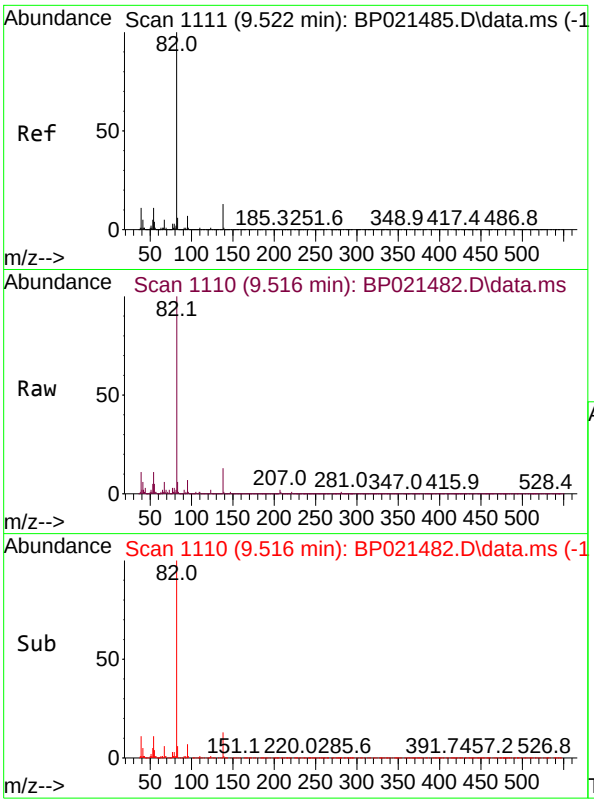


#24
Nitrobenzene
Concen: 4.017 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 112817

Ion	Ratio	Lower	Upper
77	100		
123	35.0	29.5	44.3
65	13.6	9.9	14.9

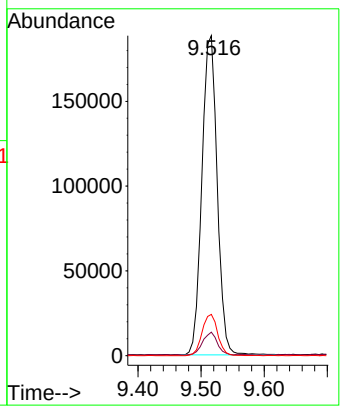




#25
Isophorone
Concen: 5.171 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 31590

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.4	8.2
138	12.9	10.6	16.0



Instrument :
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ClientSampleId :
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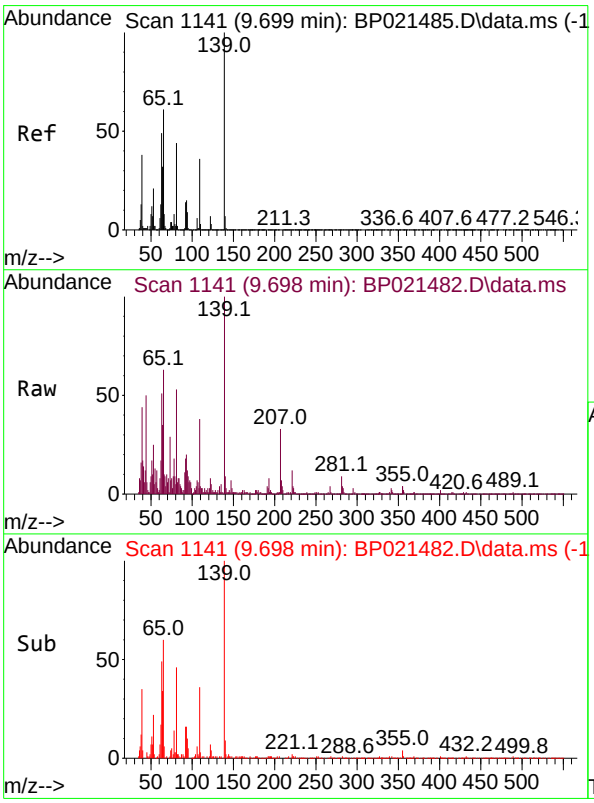
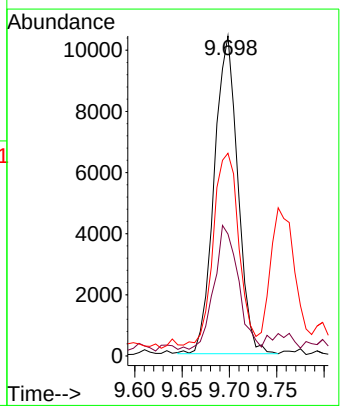
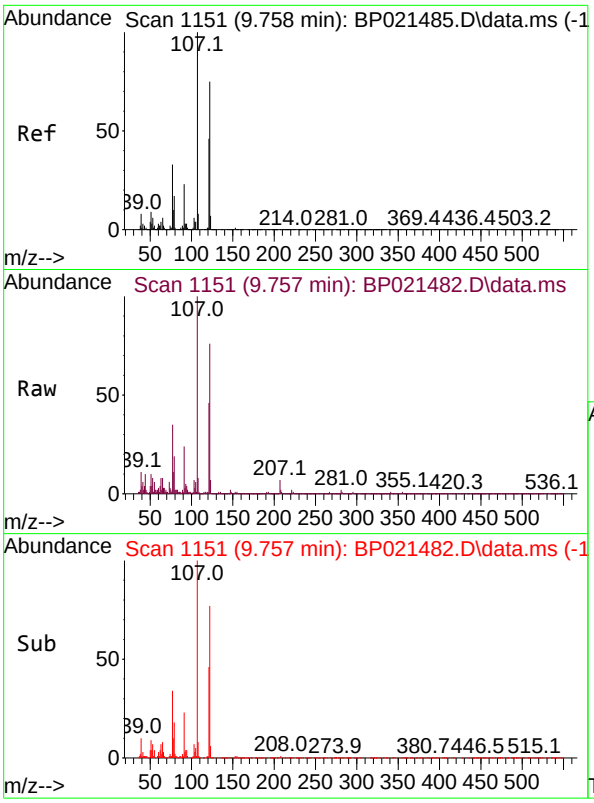


#26
2-Nitrophenol
Concen: 4.396 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:139 Resp: 18035

Ion	Ratio	Lower	Upper
139	100		
109	38.1	28.9	43.3
65	63.3	49.0	73.6

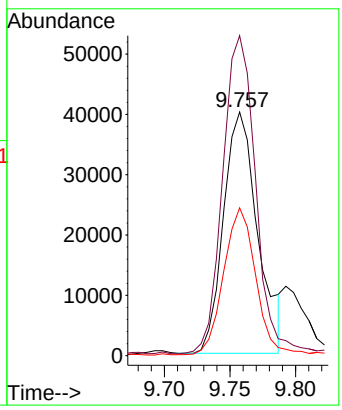




#27
2,4-Dimethylphenol
Concen: 4.826 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:122 Resp: 7276

Ion	Ratio	Lower	Upper
122	100		
107	131.3	106.2	159.4
121	60.7	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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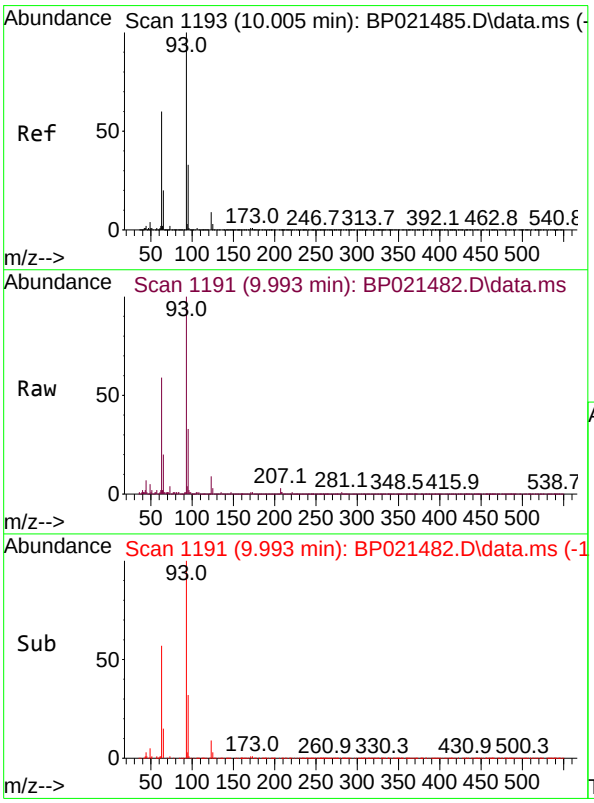
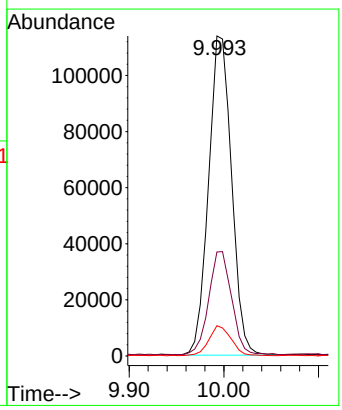
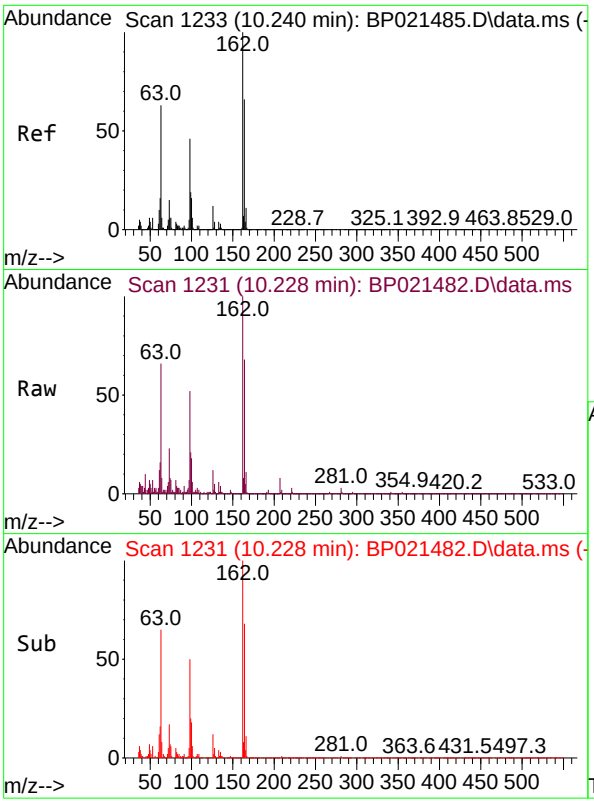


#28
bis(2-Chloroethoxy)methane
Concen: 5.167 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 192662

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 4.228 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 7531

Ion	Ratio	Lower	Upper
162	100		
164	67.8	45.9	85.9
98	51.7	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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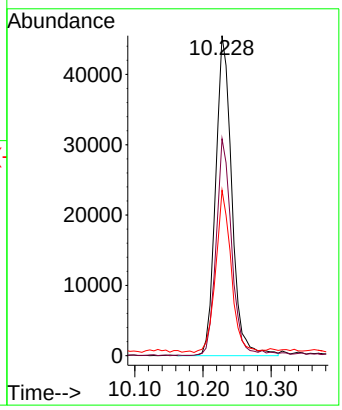
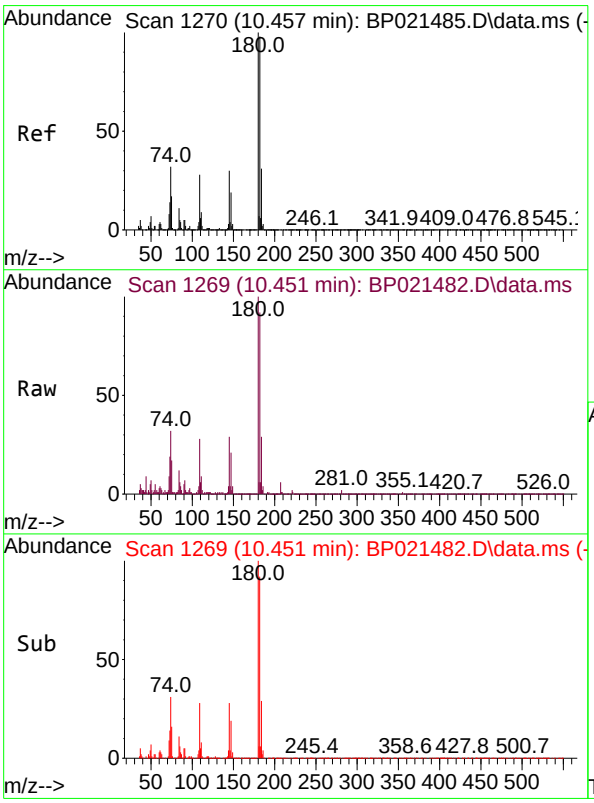
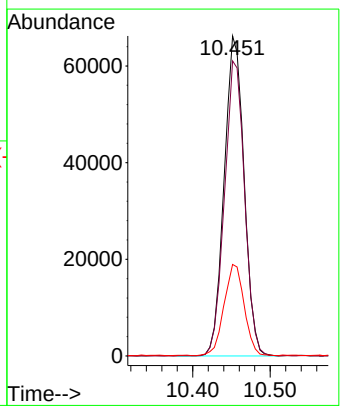


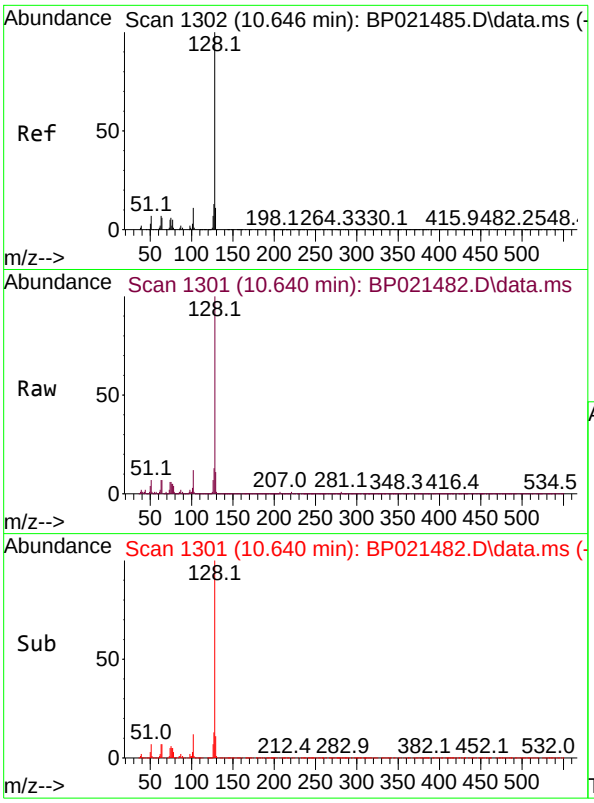


#30
1,2,4-Trichlorobenzene
Concen: 5.186 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:180 Resp: 118446

Ion	Ratio	Lower	Upper
180	100		
182	92.2	78.3	117.5
145	28.6	24.0	36.0

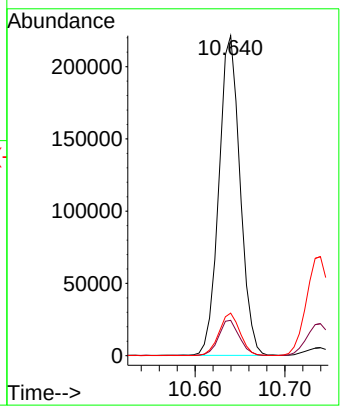




#31
Naphthalene
Concen: 5.189 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 36180

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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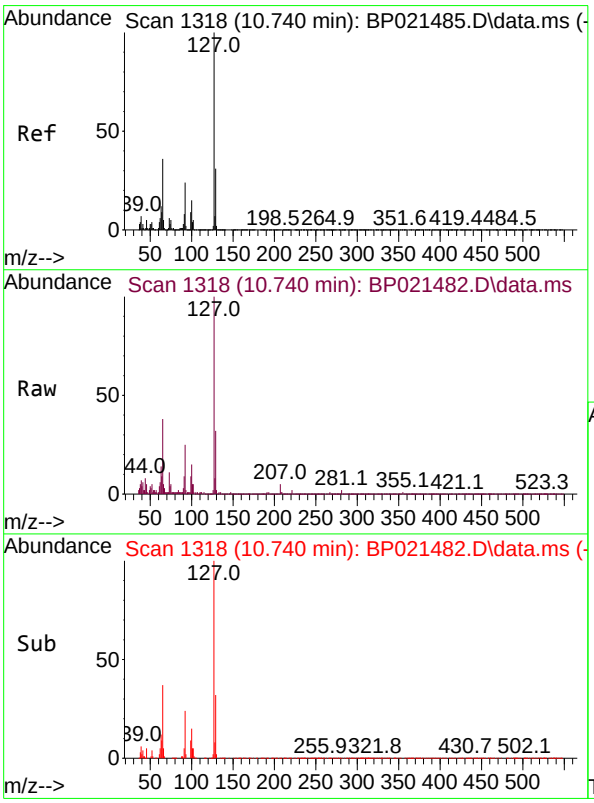
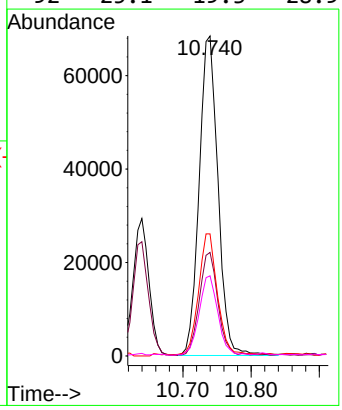
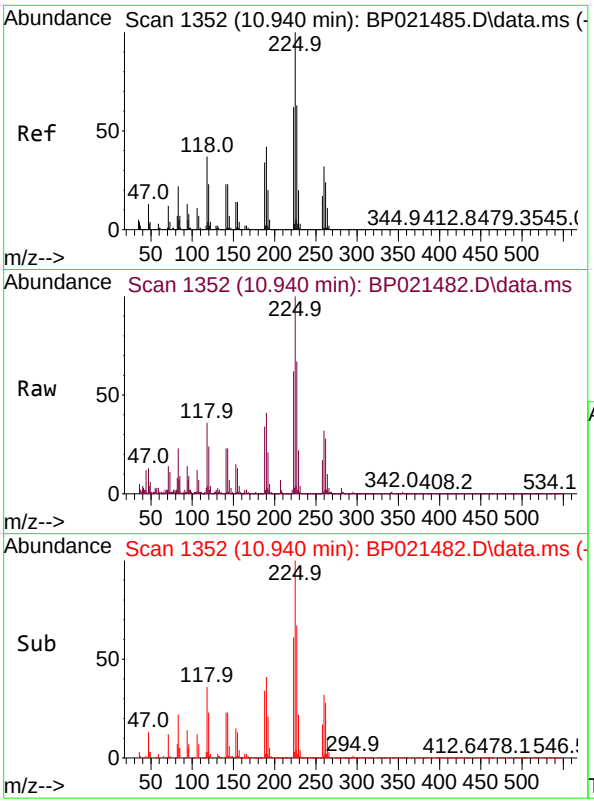


#33
4-Chloroaniline
Concen: 5.015 ng
RT: 10.740 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:127 Resp: 131360

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.5	36.7
65	38.1	28.9	43.3
92	25.1	19.3	28.9

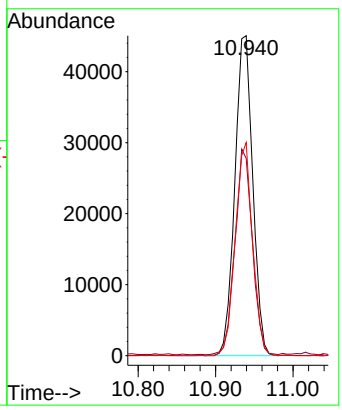




#34
Hexachlorobutadiene
Concen: 5.038 ng
RT: 10.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:225 Resp: 7243

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.6	74.4
227	66.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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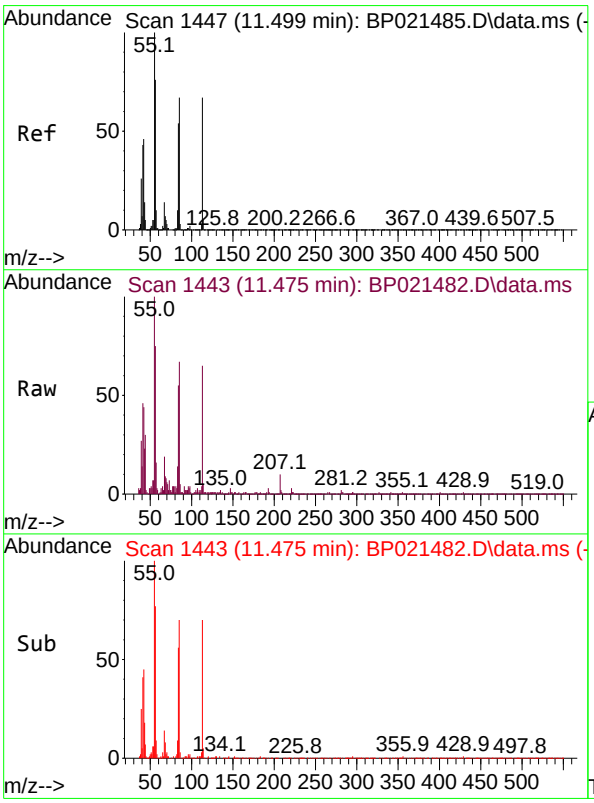
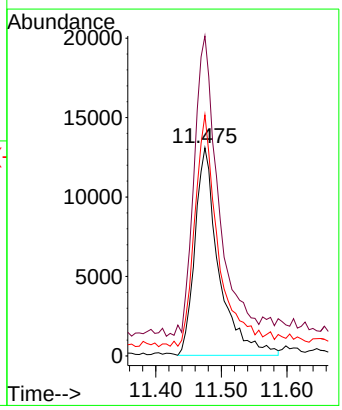
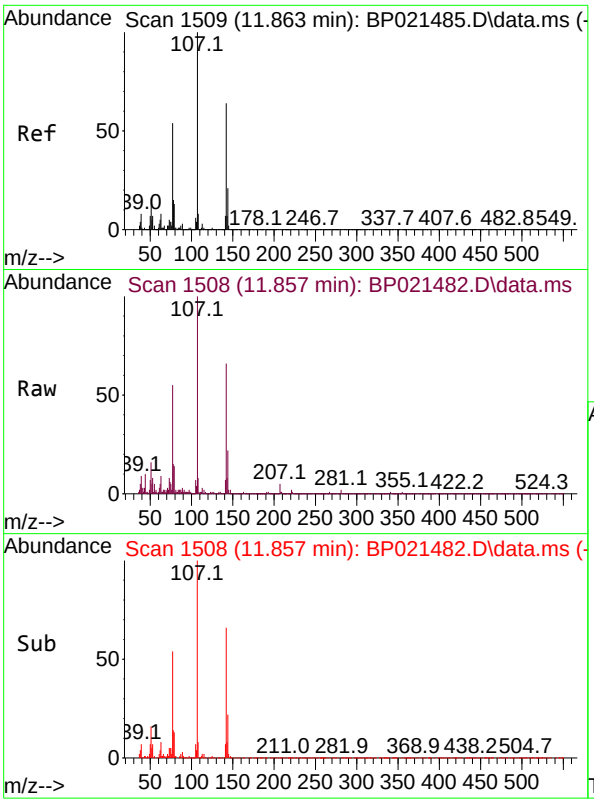


#35
Caprolactam
Concen: 4.463 ng
RT: 11.475 min Scan# 1443
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:113 Resp: 33090

Ion	Ratio	Lower	Upper
113	100		
55	153.8	130.6	170.6
56	115.8	94.6	134.6





#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 11073

Ion	Ratio	Lower	Upper
107	100		
144	21.7	16.6	24.8
142	66.1	51.0	76.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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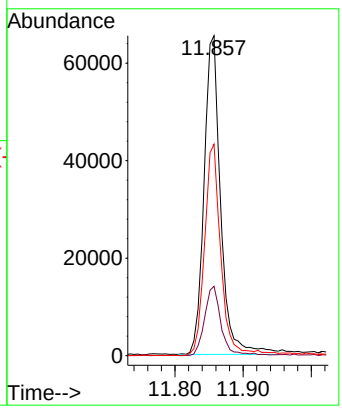
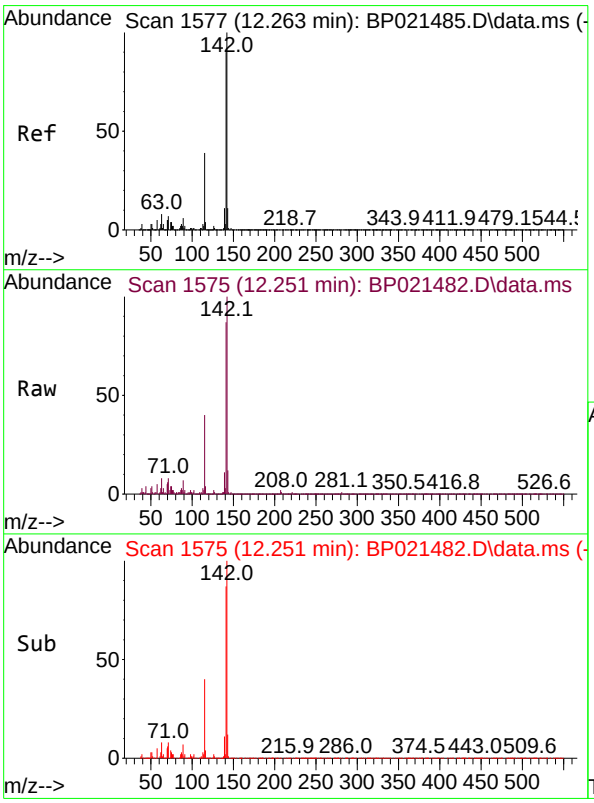
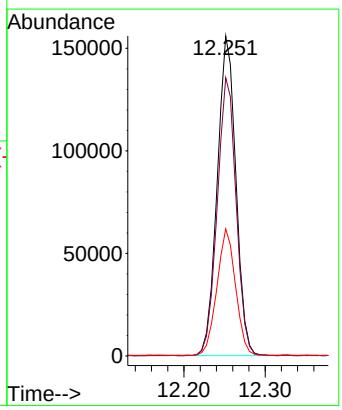


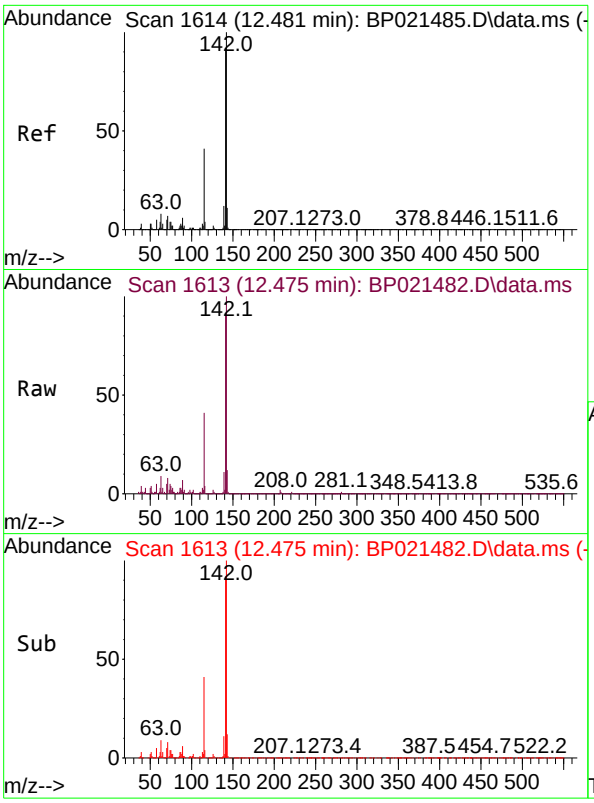


#37
2-Methylnaphthalene
Concen: 5.238 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 249268

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.7	107.5
115	39.7	31.4	47.2

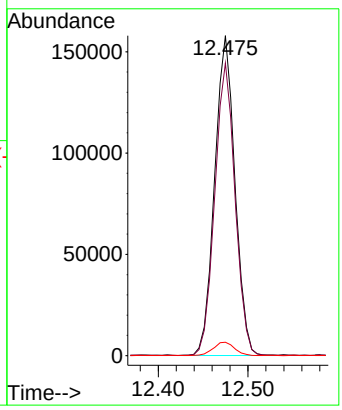




#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 24761

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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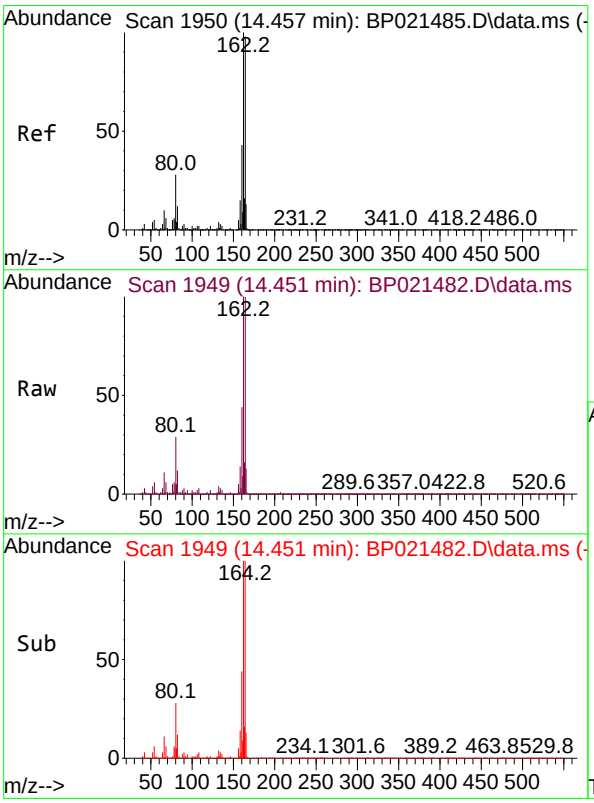
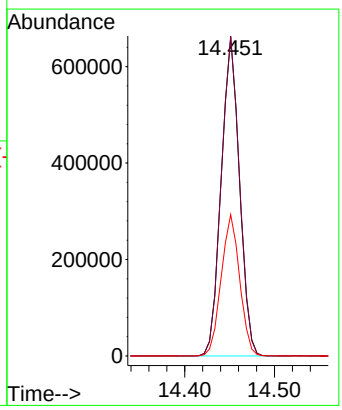
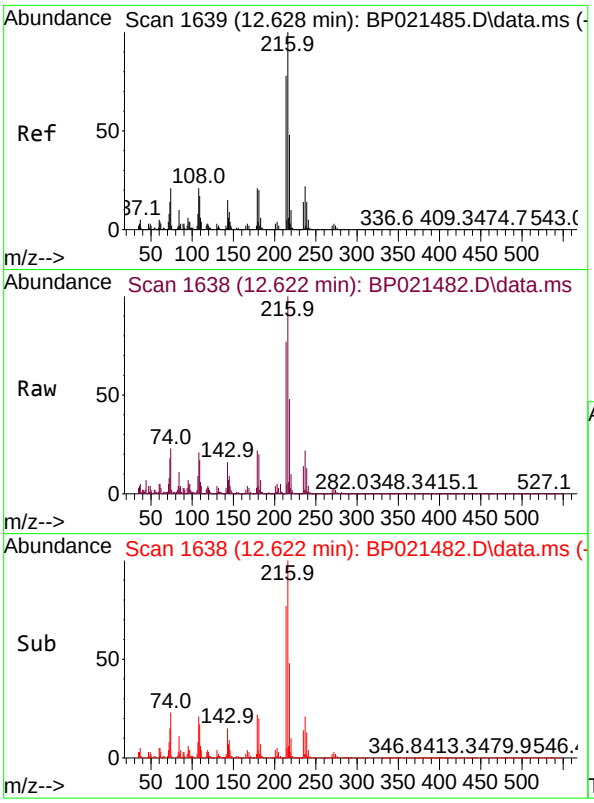


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:164 Resp: 933864

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.5	122.3
160	44.3	35.2	52.8

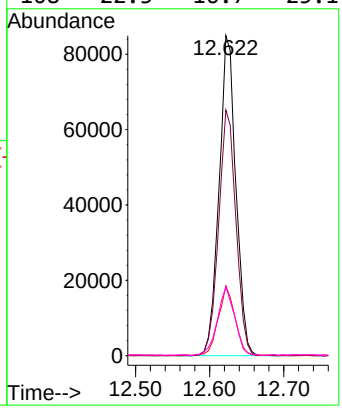




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.894 ng
RT: 12.622 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:216 Resp: 13391(

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.5	93.7
179	21.4	16.4	24.6
108	22.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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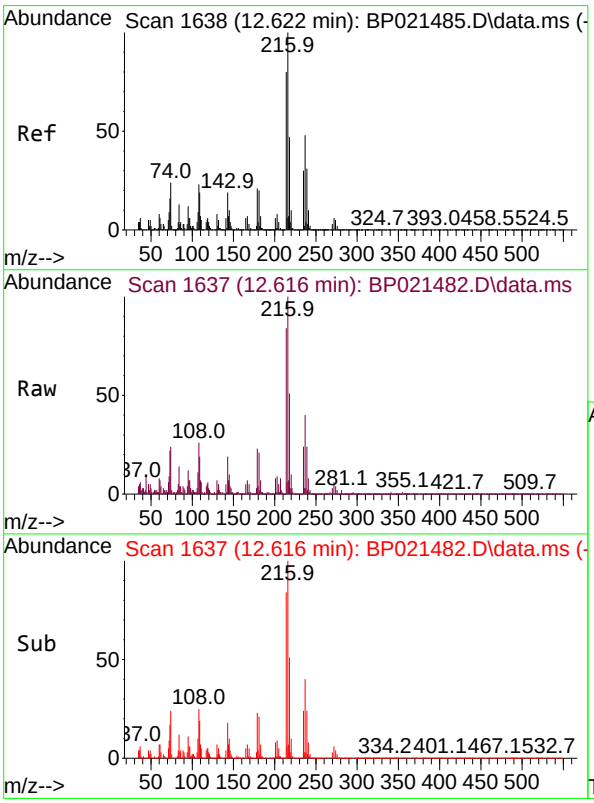
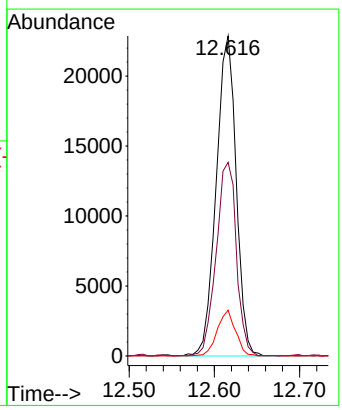
Supervised By :mohammad ahmed 08/14/2024

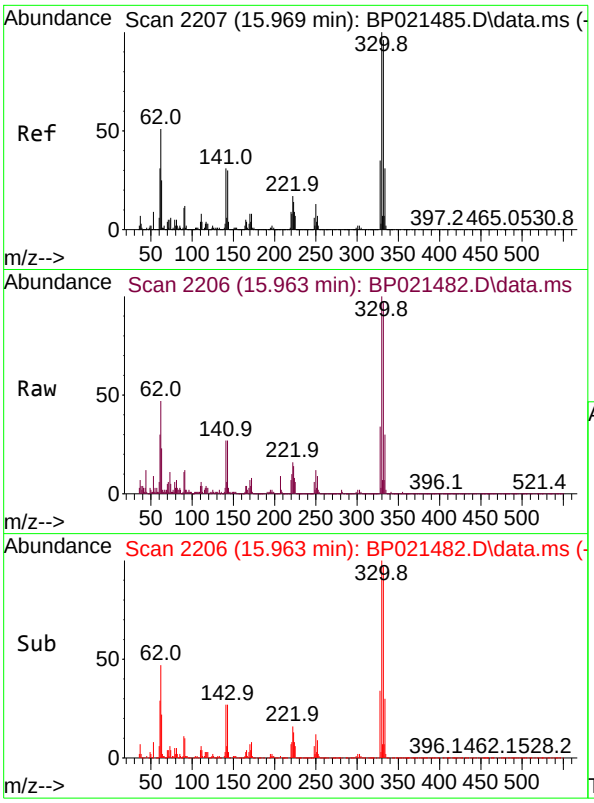


#41
Hexachlorocyclopentadiene
Concen: 4.288 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:237 Resp: 37190

Ion	Ratio	Lower	Upper
237	100		
235	60.5	43.9	83.9
272	14.3	0.0	33.3

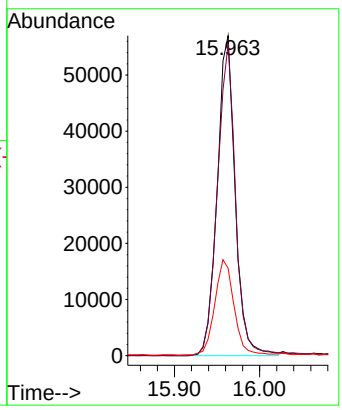




#42
2,4,6-Tribromophenol
Concen: 8.063 ng
RT: 15.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:330 Resp: 8380

Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.4	116.0
141	31.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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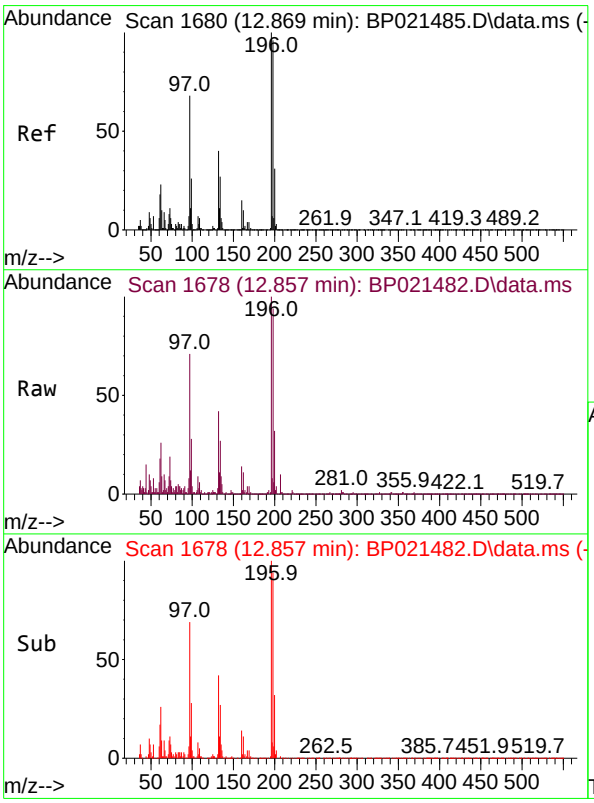
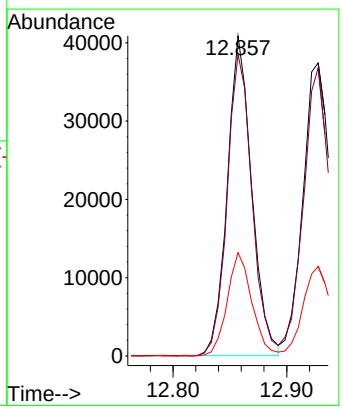
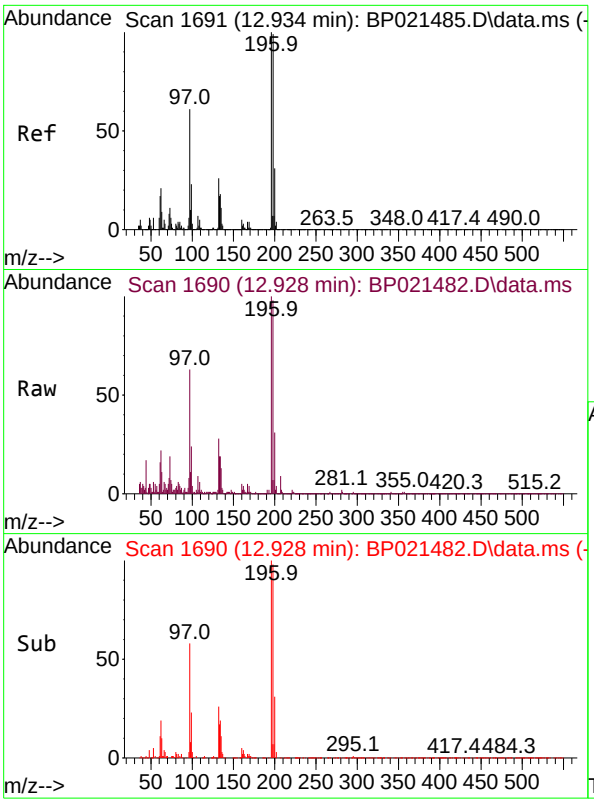


#43
2,4,6-Trichlorophenol
Concen: 4.003 ng
RT: 12.857 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 60845

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	32.3	24.5	36.7

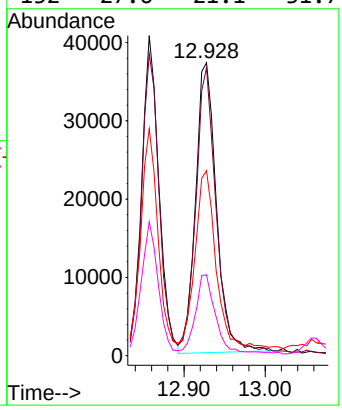




#44
2,4,5-Trichlorophenol
Concen: 3.926 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 6630

Ion	Ratio	Lower	Upper
196	100		
198	98.3	78.9	118.3
97	63.1	49.4	74.0
132	27.6	21.1	31.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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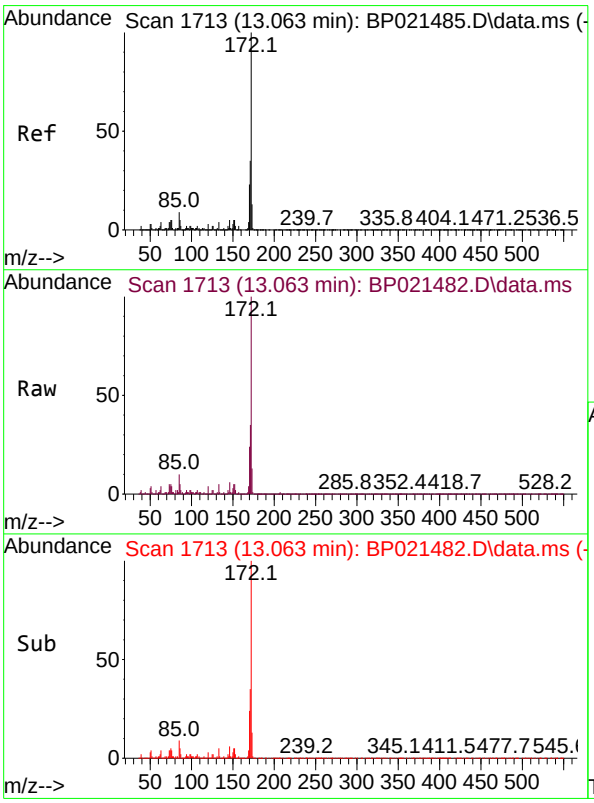
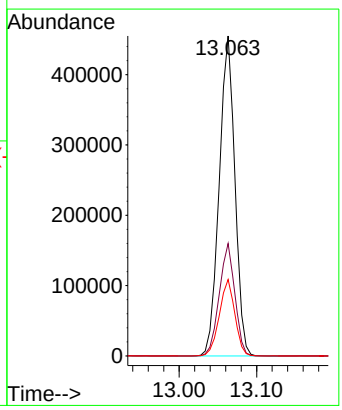
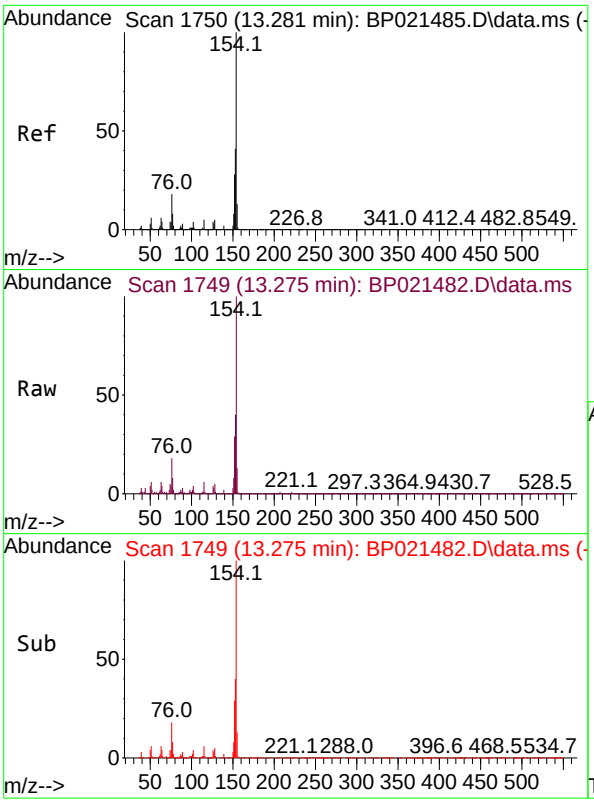


#45
2-Fluorobiphenyl
Concen: 10.464 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:172 Resp: 640316

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.9	18.4	27.6

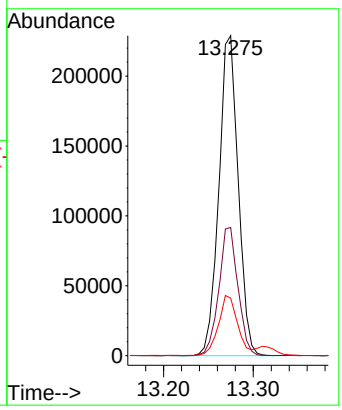




#46
1,1'-Biphenyl
Concen: 5.168 ng
RT: 13.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:154 Resp: 34143

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	18.0	0.0	37.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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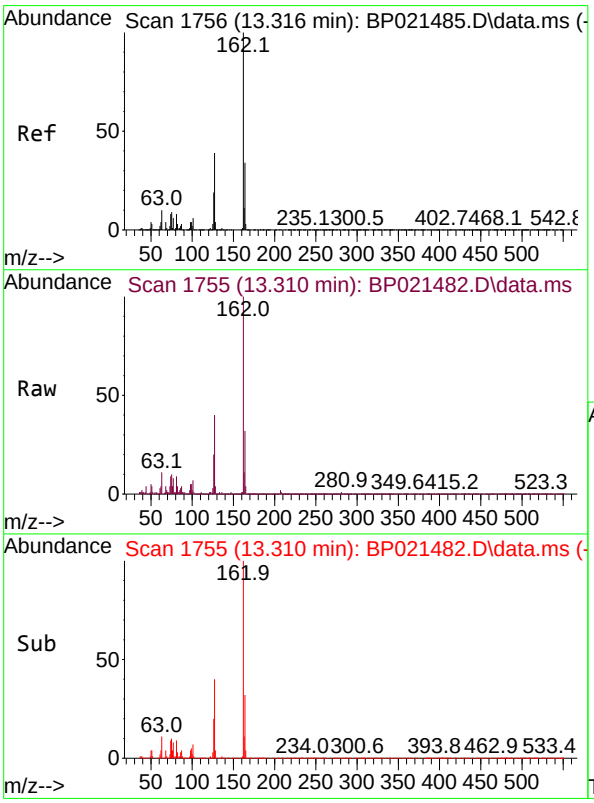
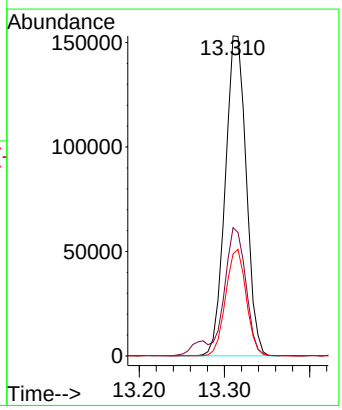
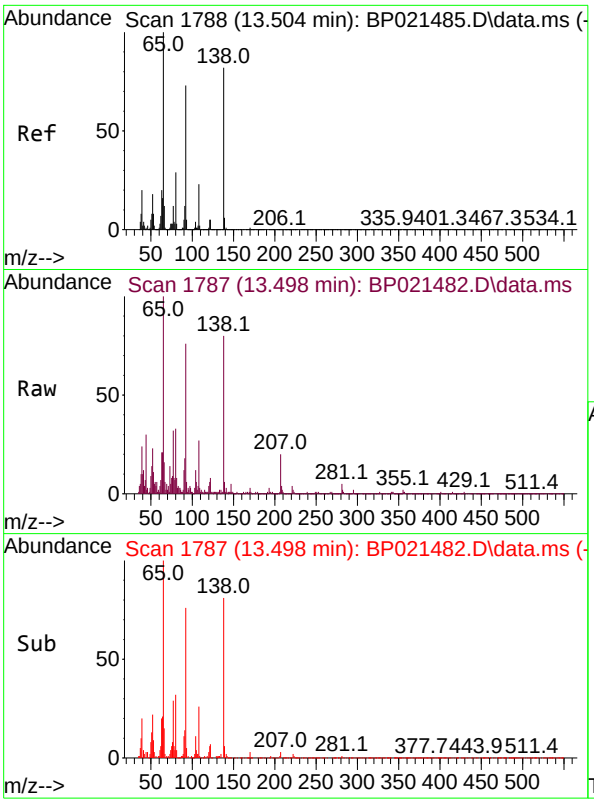


#47
2-Chloronaphthalene
Concen: 5.089 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 261761

Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.9	47.9
164	31.9	26.8	40.2

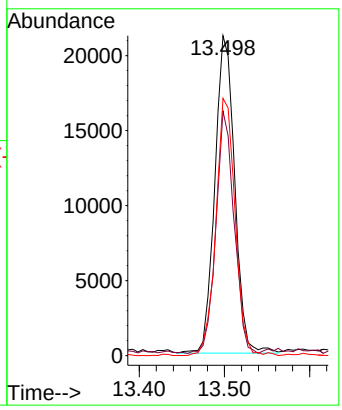




#48
2-Nitroaniline
Concen: 7.264 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 65 Resp: 3418

Ion	Ratio	Lower	Upper
65	100		
92	76.5	58.1	87.1
138	80.4	65.5	98.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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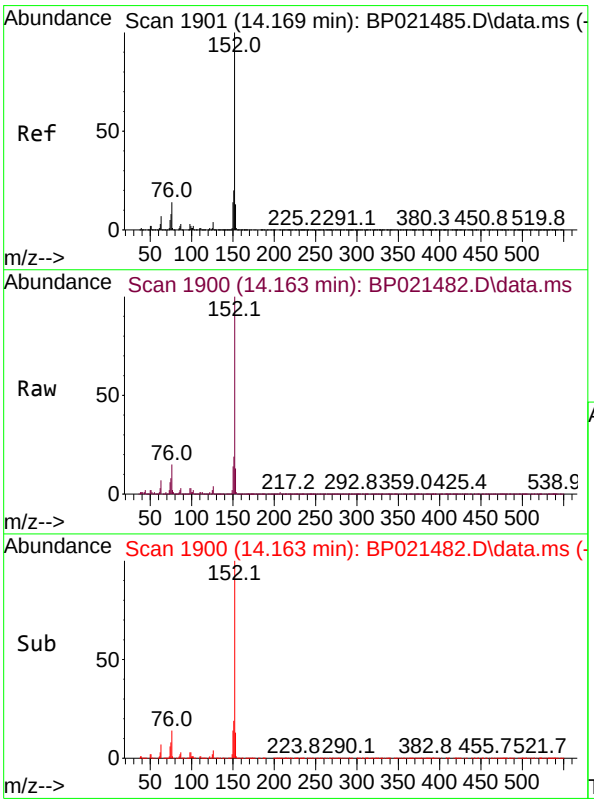
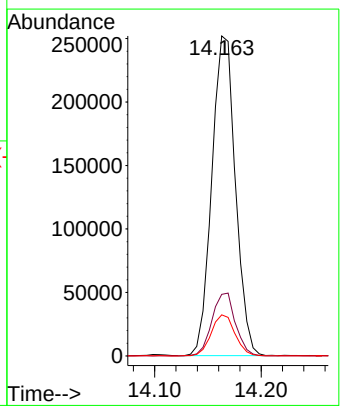
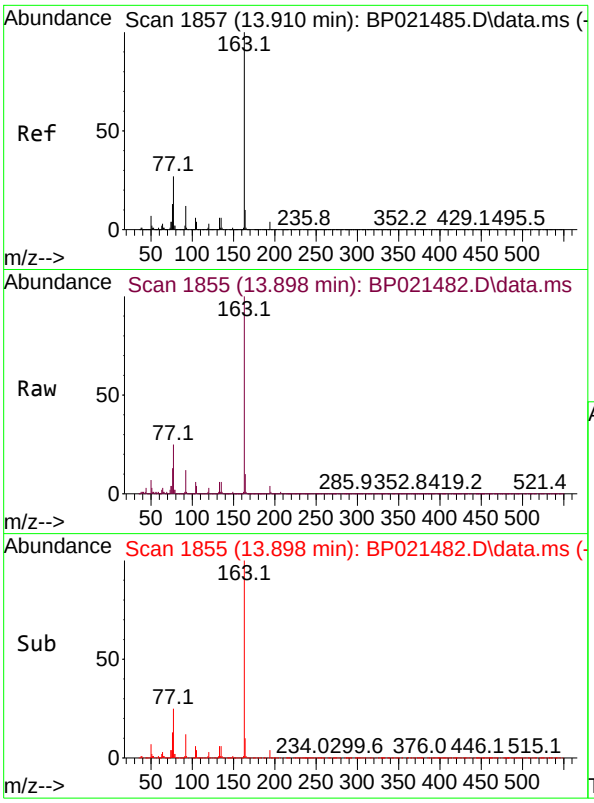


#49
Acenaphthylene
Concen: 5.126 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 387614

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.9	10.6	16.0





#50
Dimethylphthalate
Concen: 5.178 ng
RT: 13.898 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:163 Resp: 32380

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.3	12.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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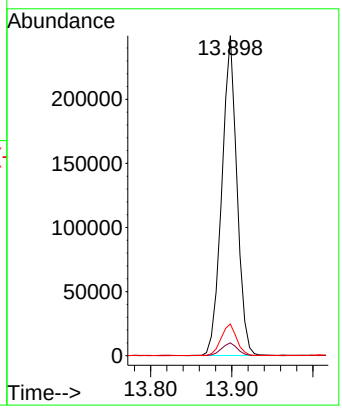
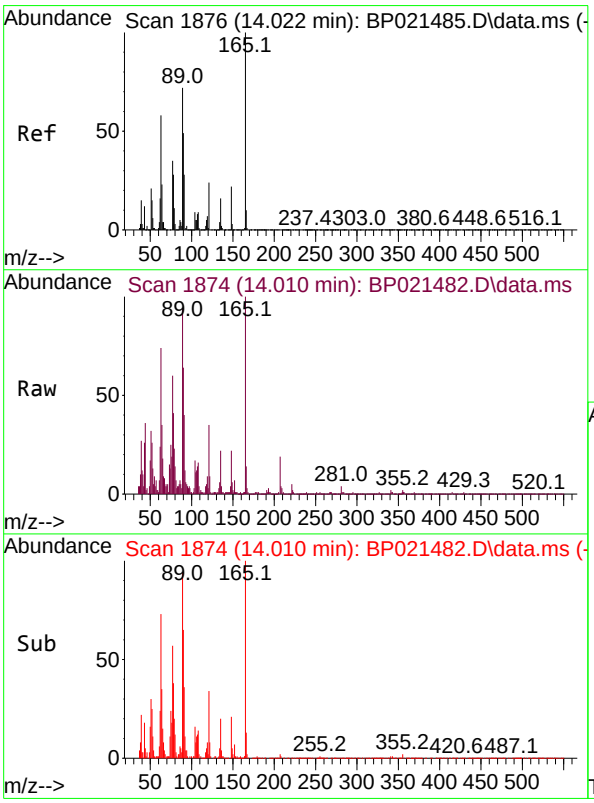
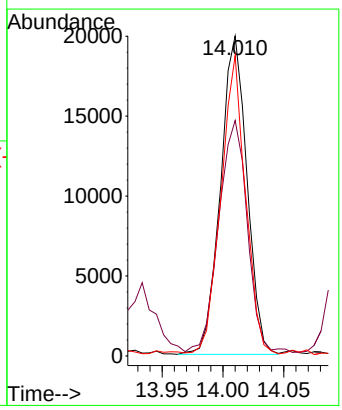


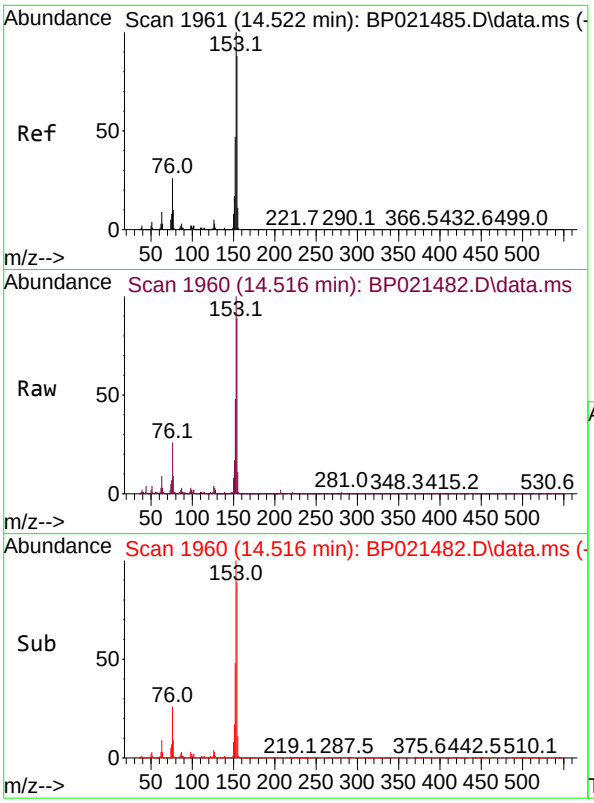


#51
2,6-Dinitrotoluene
Concen: 6.169 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 30050

Ion	Ratio	Lower	Upper
165	100		
63	73.6	51.5	77.3
89	93.9	57.8	86.8#





#52
Acenaphthene
Concen: 5.150 ng
RT: 14.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 25551

Ion	Ratio	Lower	Upper
154	100		
153	112.0	91.1	136.7
152	53.7	43.0	64.4

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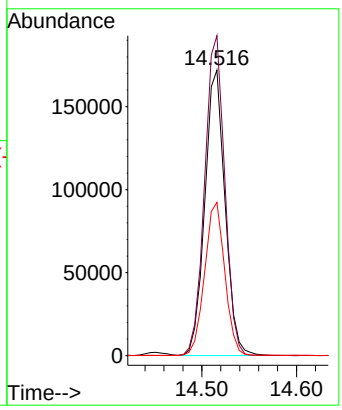
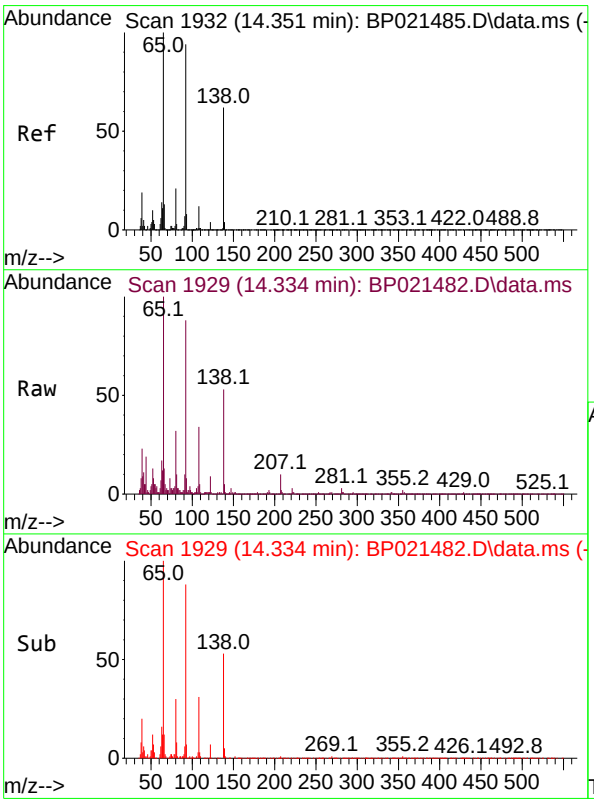
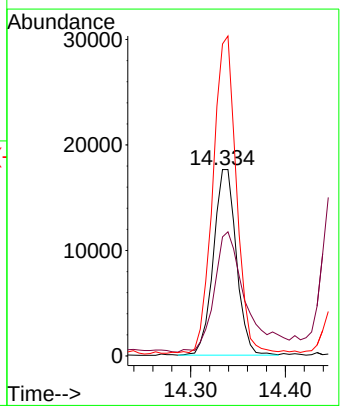


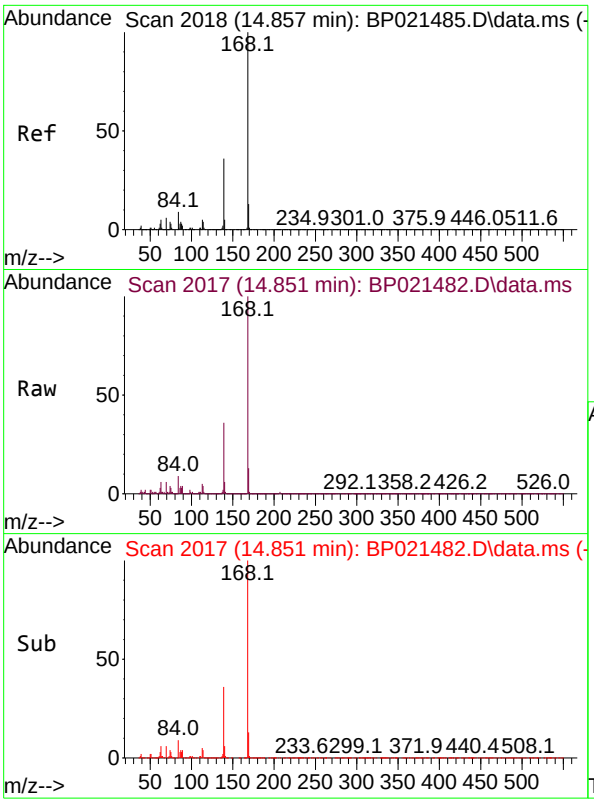


#53
3-Nitroaniline
Concen: 6.160 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 29621

Ion	Ratio	Lower	Upper
138	100		
108	63.9	16.2	24.4#
92	167.4	122.2	183.4

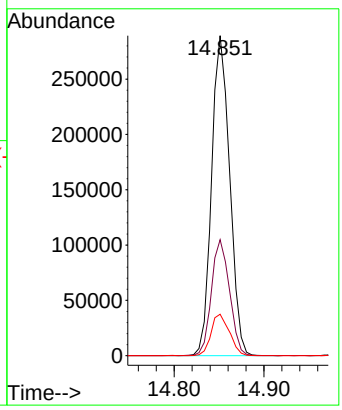




#55
Dibenzofuran
Concen: 5.307 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:168 Resp: 40502

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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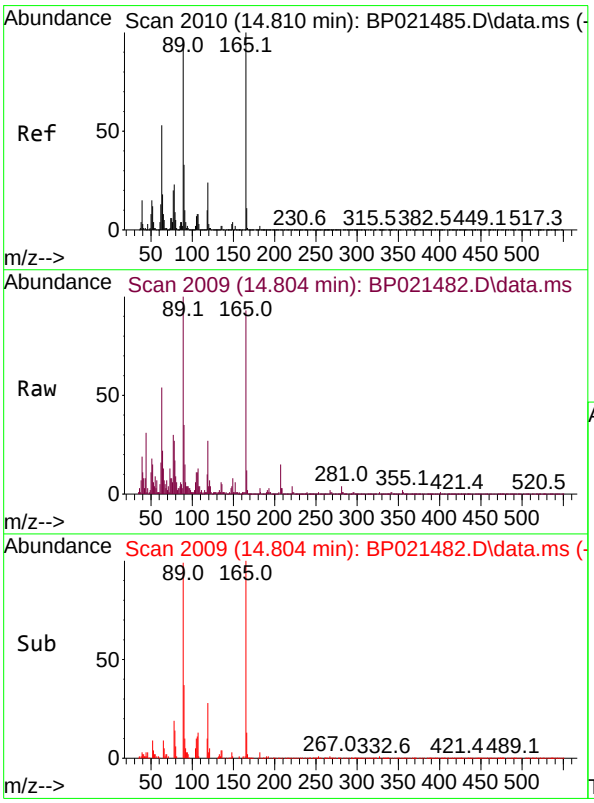
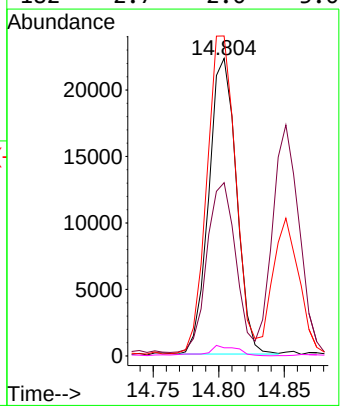
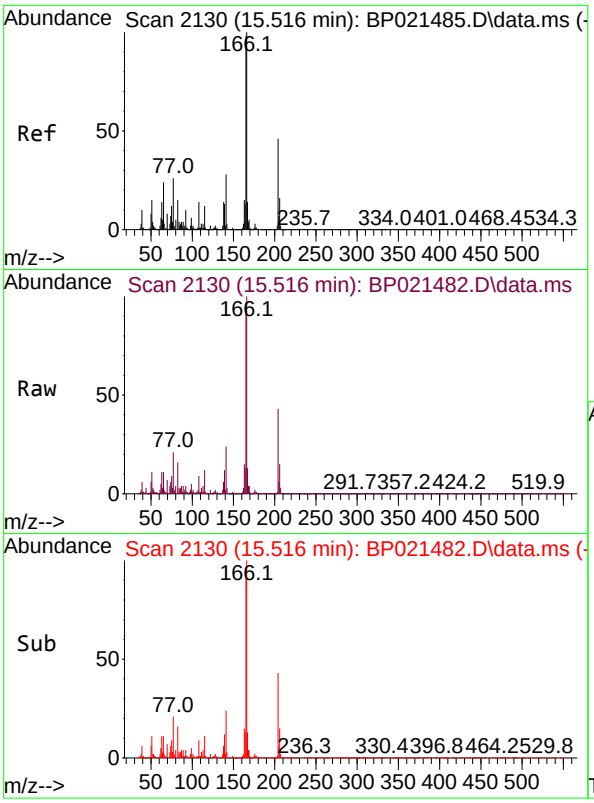


#57
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 14.804 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 32636

Ion	Ratio	Lower	Upper
165	100		
63	58.2	42.5	63.7
89	107.5	77.1	115.7
182	2.7	2.0	3.0





#58
Fluorene
Concen: 5.326 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 33397

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.3	11.0	16.4

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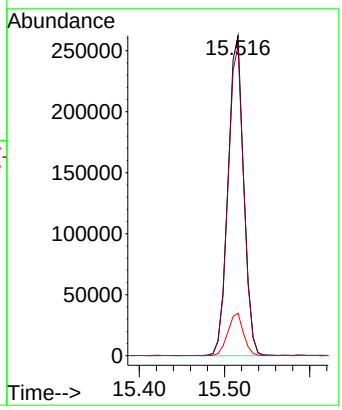
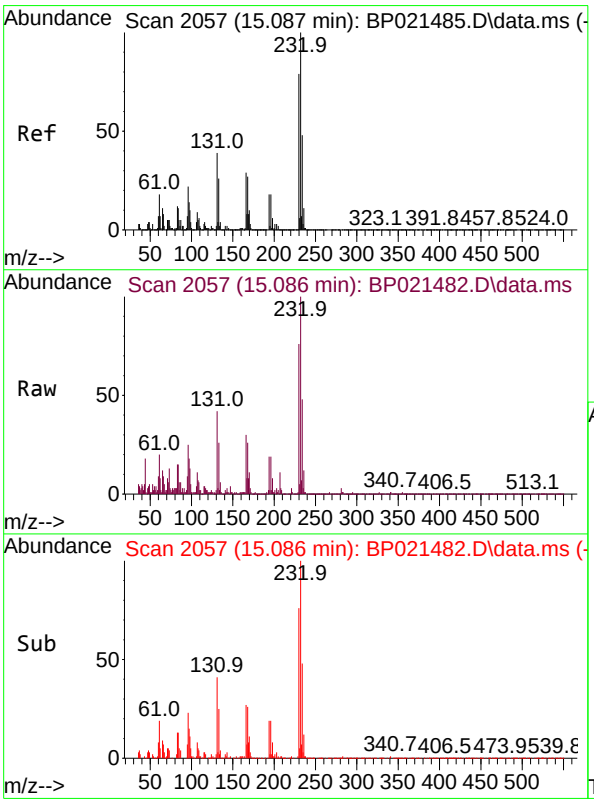
Supervised By :mohammad ahmed 08/14/2024

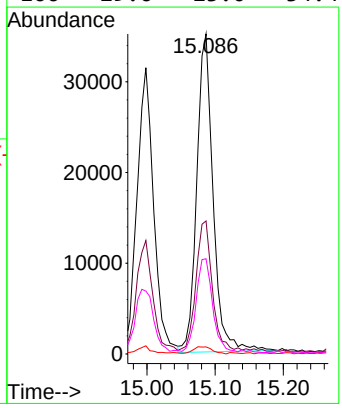


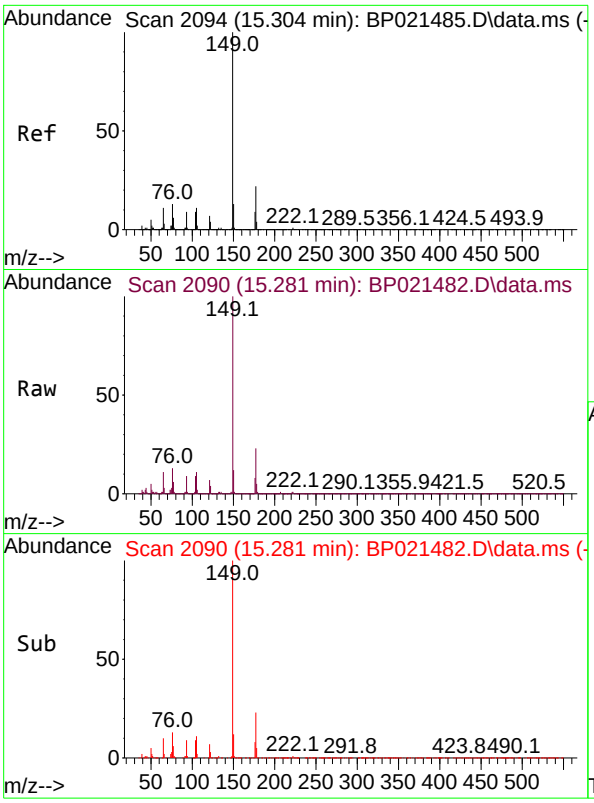


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.076 ng
RT: 15.086 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:232 Resp: 58426

Ion	Ratio	Lower	Upper
232	100		
131	40.4	33.1	49.7
130	2.7	1.7	2.5#
166	29.6	23.0	34.4

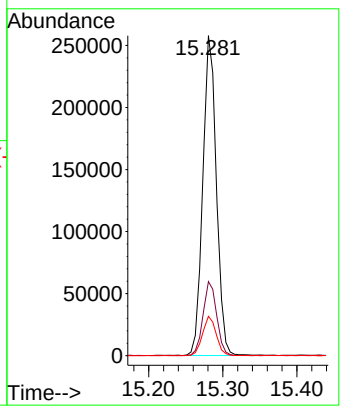




#60
Diethylphthalate
Concen: 5.113 ng
RT: 15.281 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 32811

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.3	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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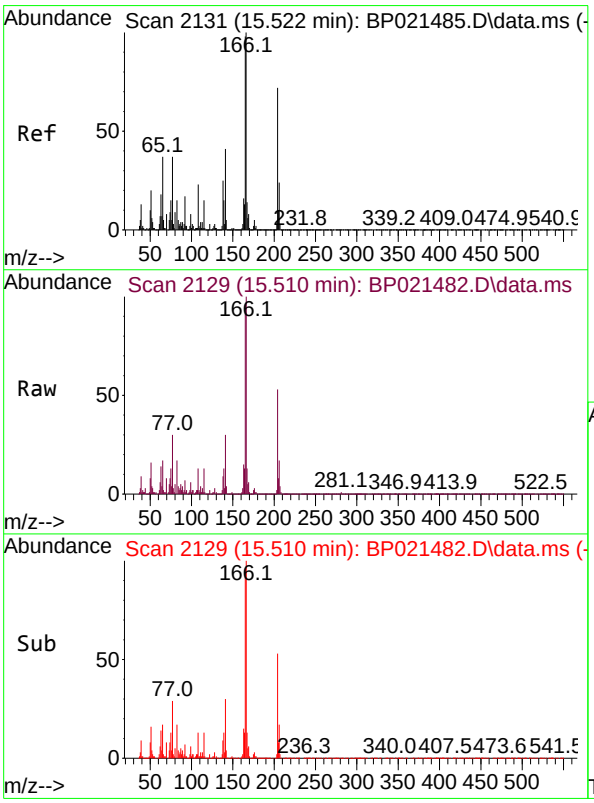
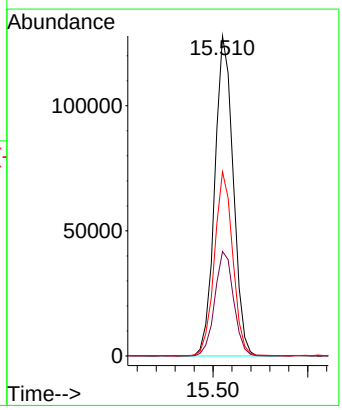
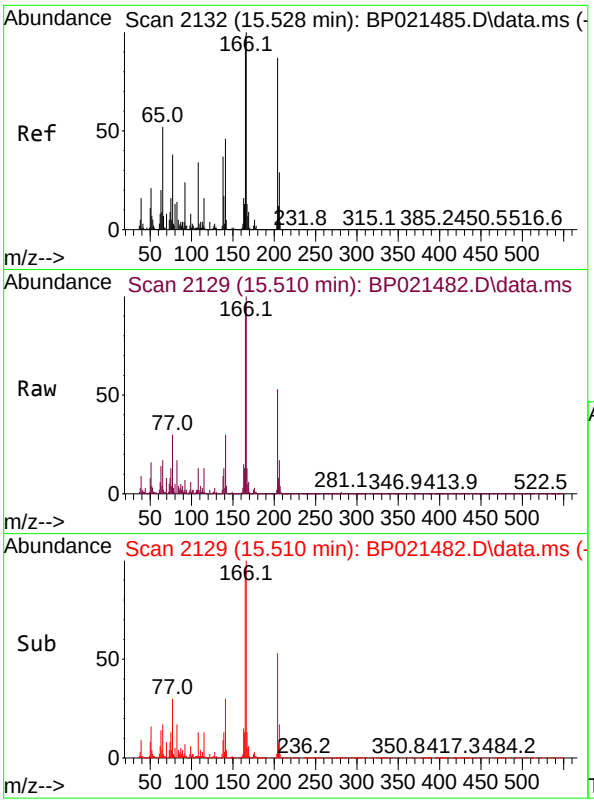


#61
4-Chlorophenyl-phenylether
Concen: 5.340 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:204 Resp: 173085

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	57.6	46.1	69.1

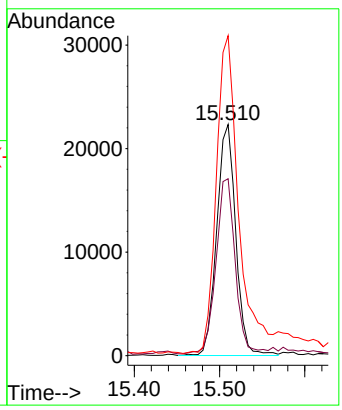




#62
4-Nitroaniline
Concen: 5.481 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 3457

Ion	Ratio	Lower	Upper
138	100		
92	76.5	46.4	86.4
108	138.4	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
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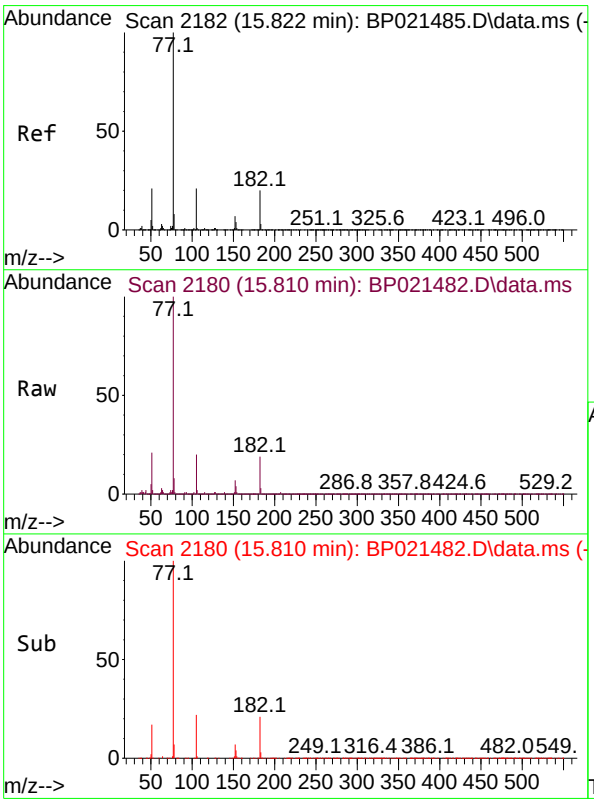
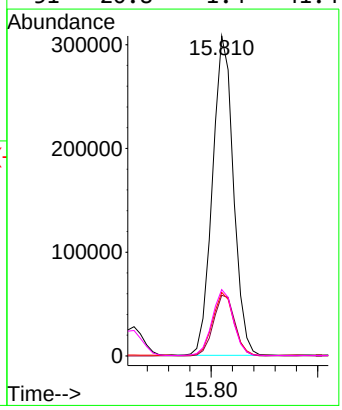
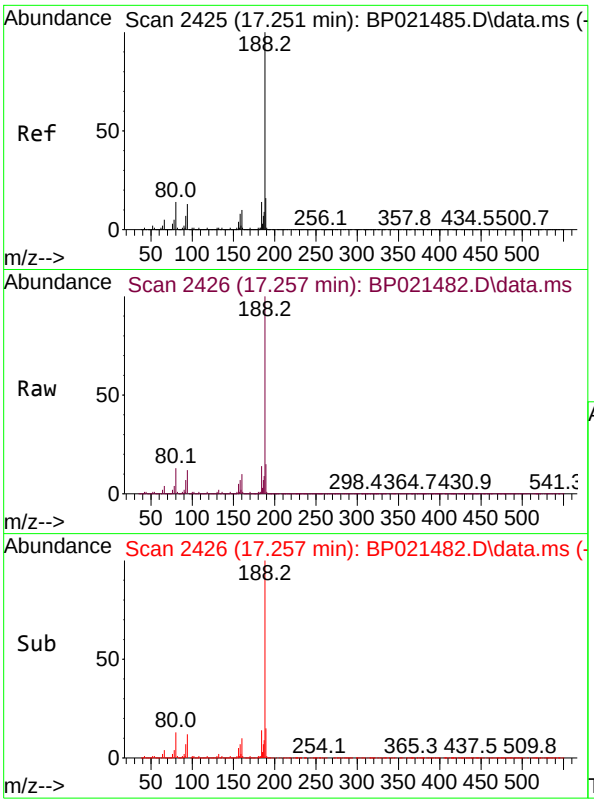


#63
Azobenzene
Concen: 5.318 ng
RT: 15.810 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 419466

Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	19.8	0.9	40.9
51	20.8	1.4	41.4

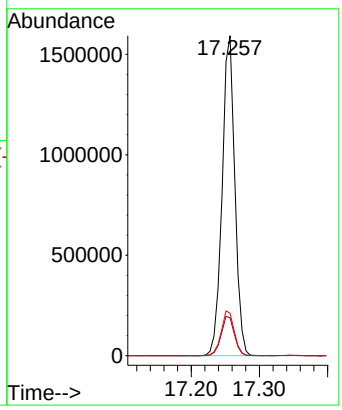




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:188 Resp: 207082

Ion	Ratio	Lower	Upper
188	100		
94	11.9	10.2	15.4
80	13.3	11.6	17.4



Instrument :
BNA_P
ClientSampleId :
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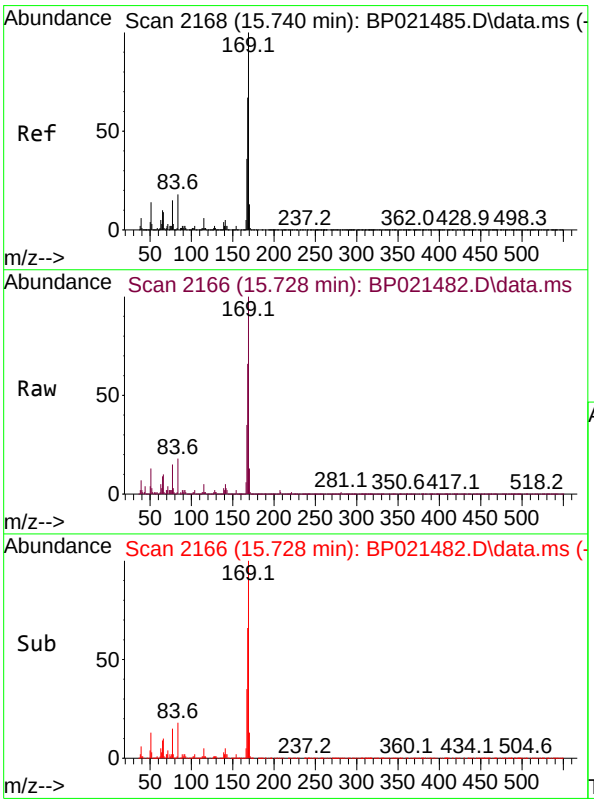
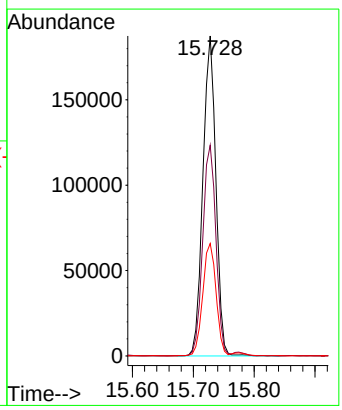
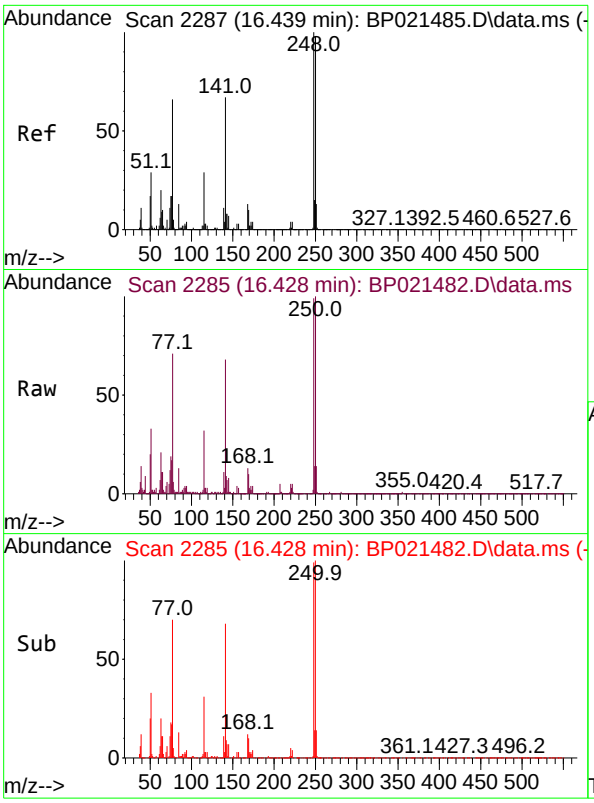


#66
n-Nitrosodiphenylamine
Concen: 4.986 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:169 Resp: 276698

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.4	80.2
167	35.2	28.7	43.1

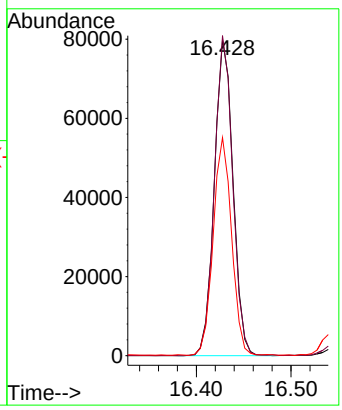




#67
4-Bromophenyl-phenylether
Concen: 4.985 ng
RT: 16.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:248 Resp: 10925

Ion	Ratio	Lower	Upper
248	100		
250	101.3	78.6	117.8
141	69.0	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
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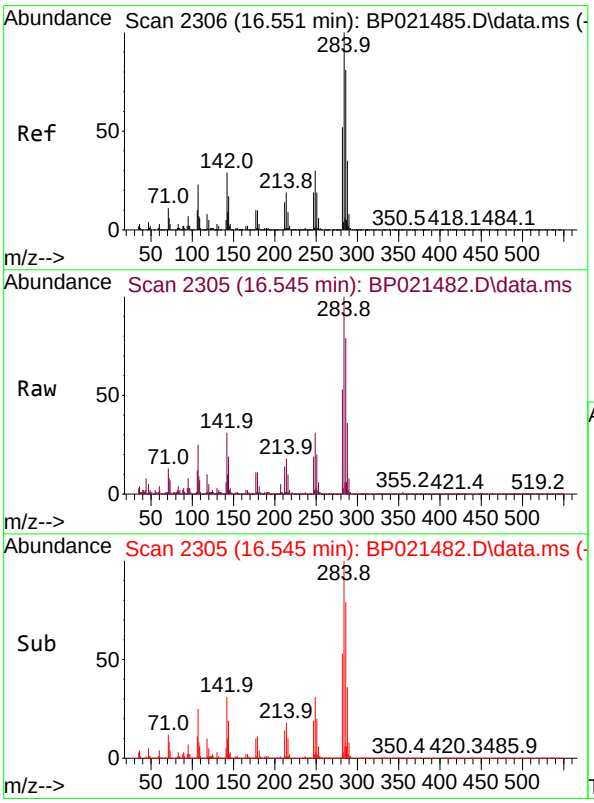
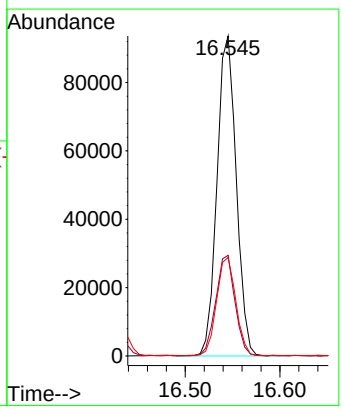
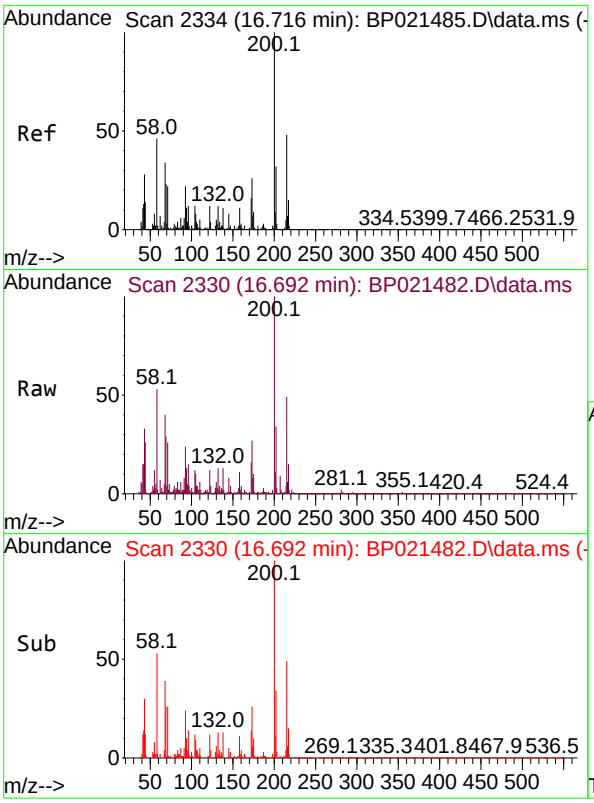


#68
Hexachlorobenzene
Concen: 5.104 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:284 Resp: 132184

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.8	24.1	36.1

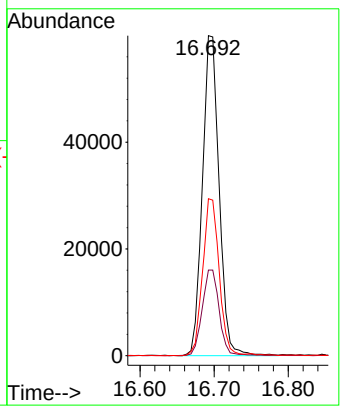




#69
Atrazine
Concen: 4.921 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:200 Resp: 9376

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.2	46.2
215	49.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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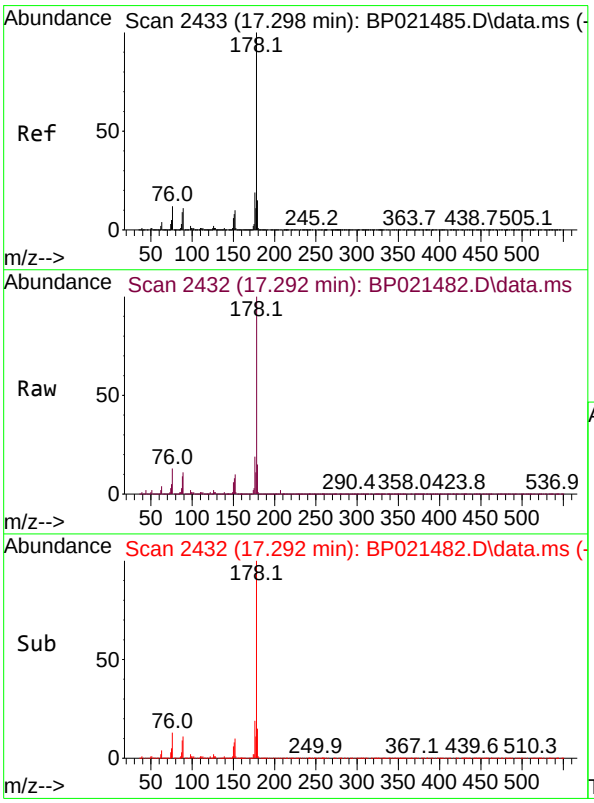
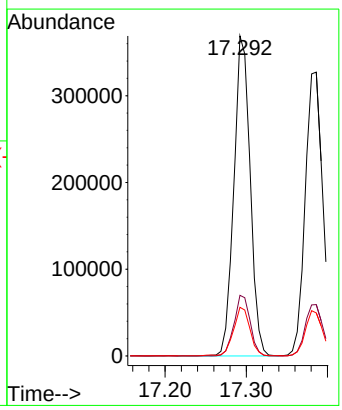
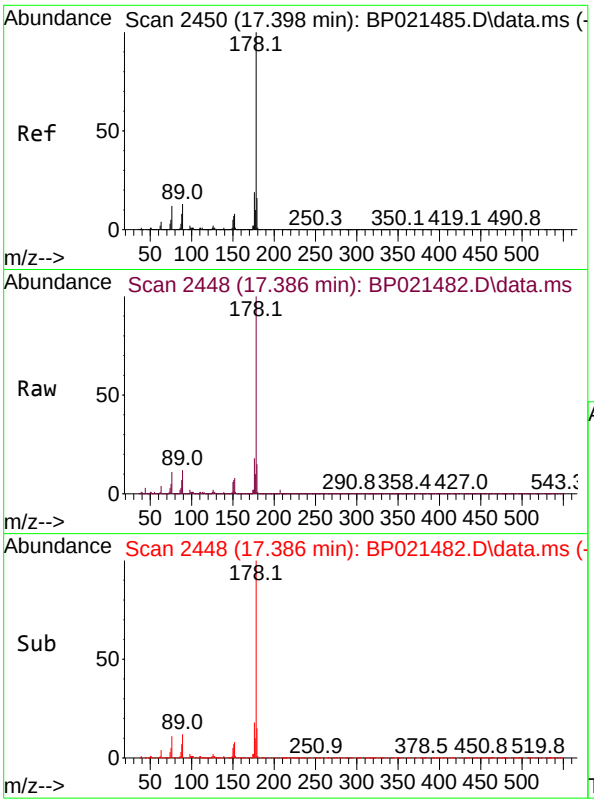


#71
Phenanthrene
Concen: 5.149 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 512757

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.4	18.6

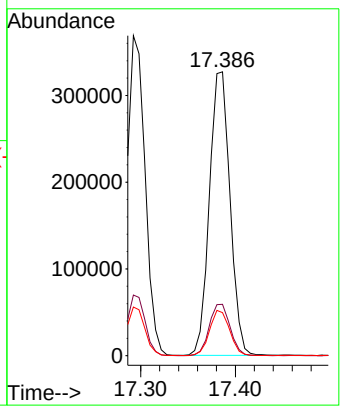




#72
Anthracene
Concen: 5.058 ng
RT: 17.386 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 49398

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.2	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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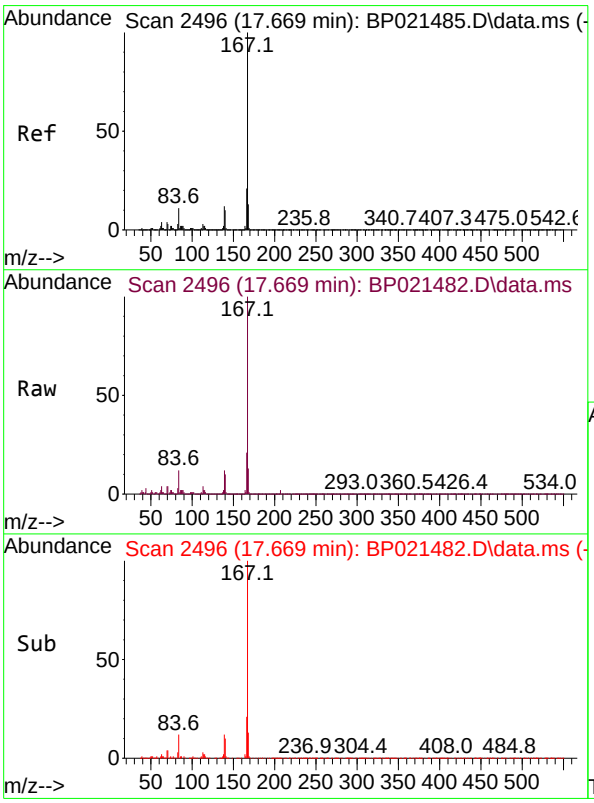
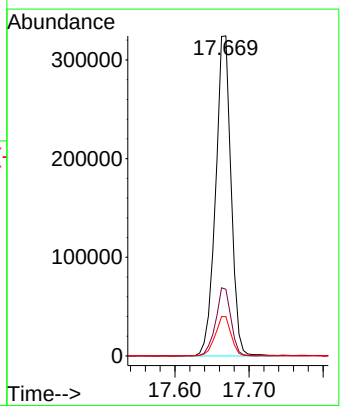
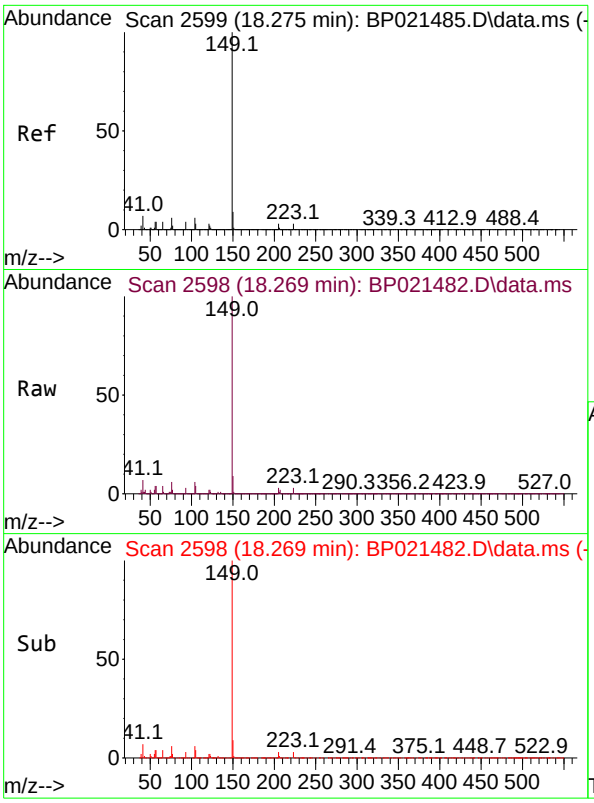


#73
Carbazole
Concen: 4.996 ng
RT: 17.669 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:167 Resp: 470253

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.3	9.9	14.9

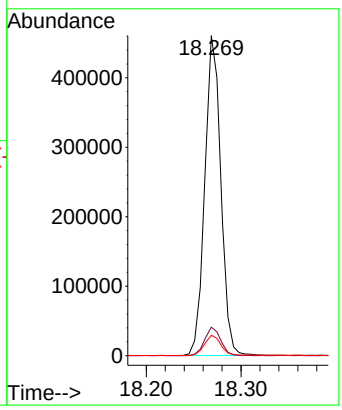




#74
Di-n-butylphthalate
Concen: 4.697 ng
RT: 18.269 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 54297

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.4	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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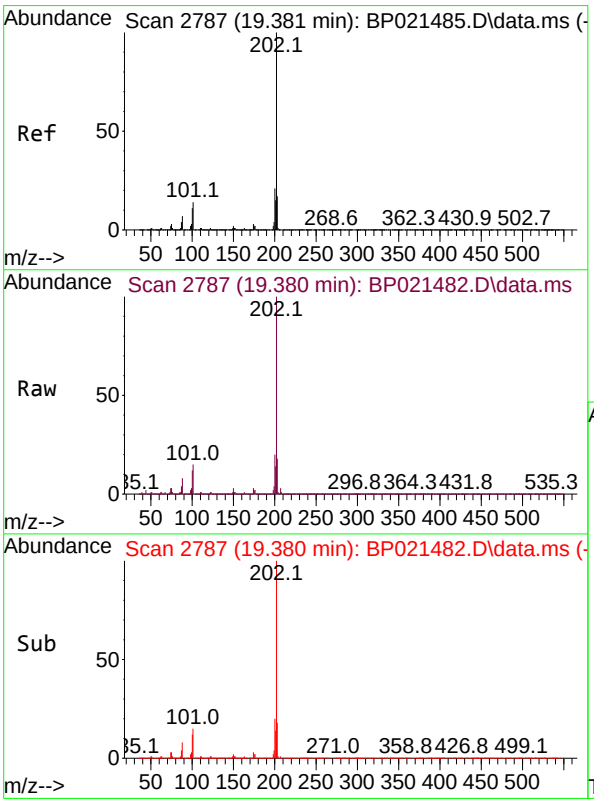
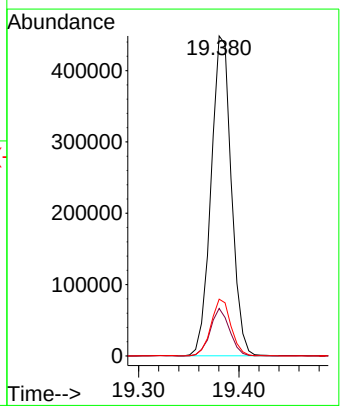
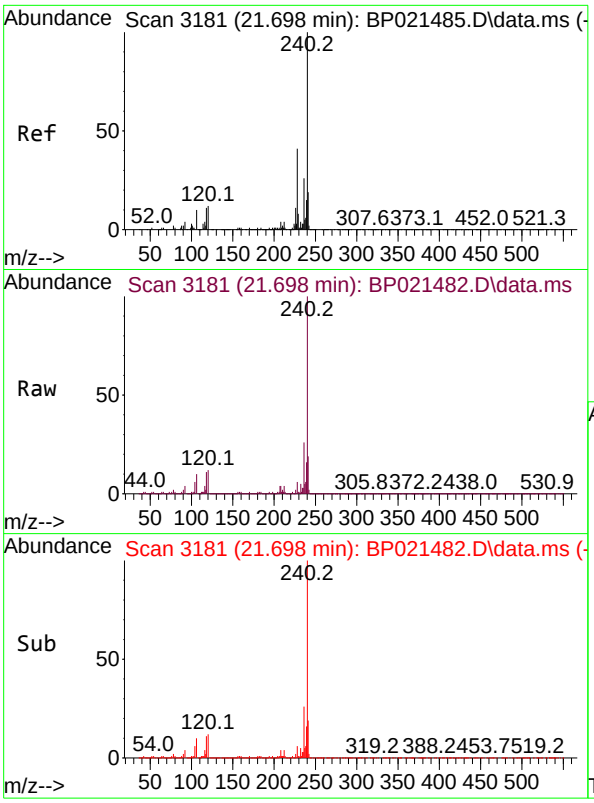


#75
Fluoranthene
Concen: 5.148 ng
RT: 19.380 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 629080

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.0
203	17.8	0.0	37.5

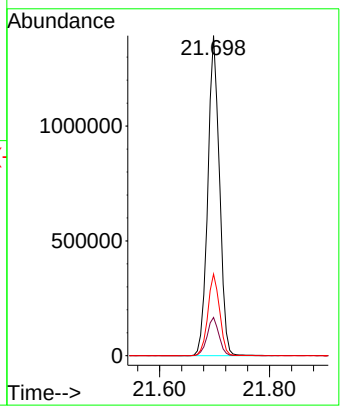




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:240 Resp: 204039

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.9	14.9
236	25.5	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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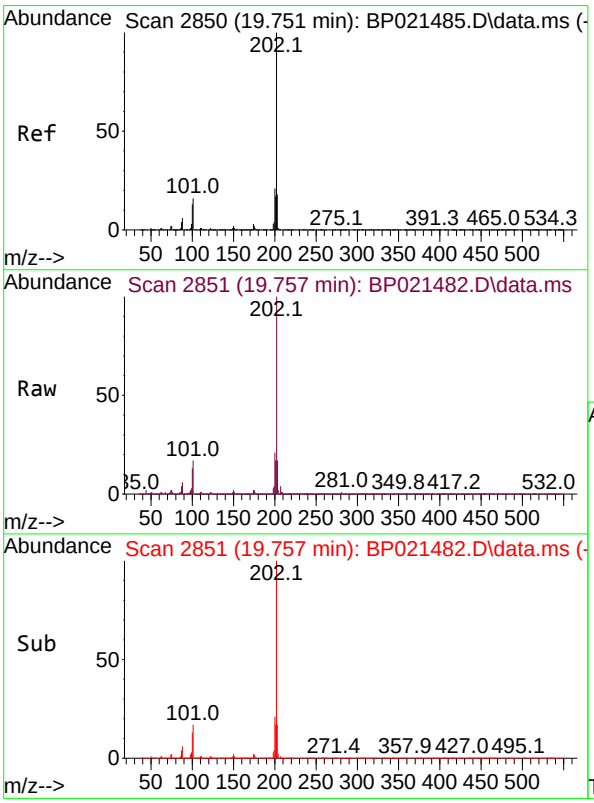
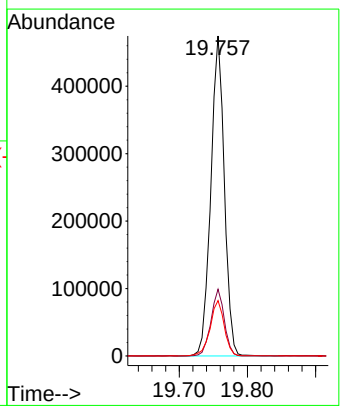
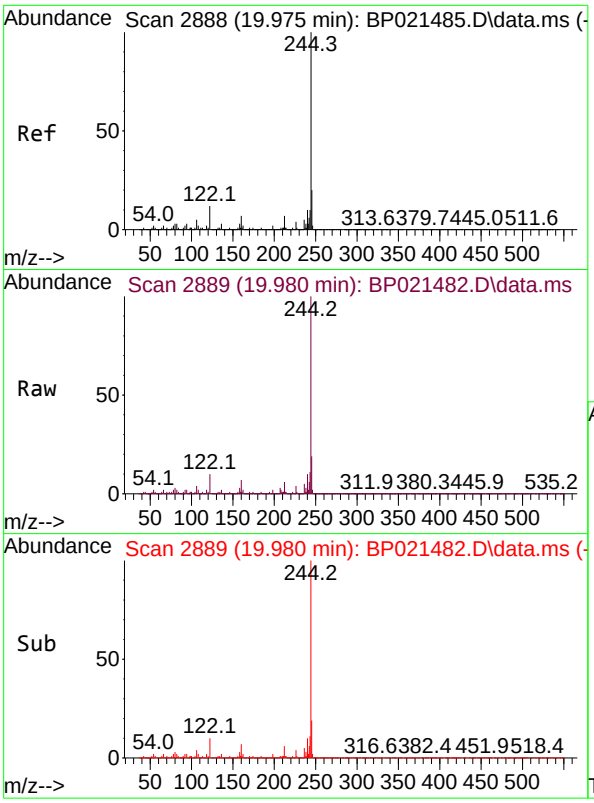


#78
Pyrene
Concen: 4.906 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 654333

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	14.1	21.1

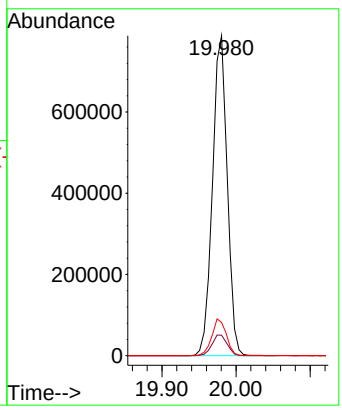




#79
Terphenyl-d14
Concen: 10.379 ng
RT: 19.980 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:244 Resp: 109011

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.4	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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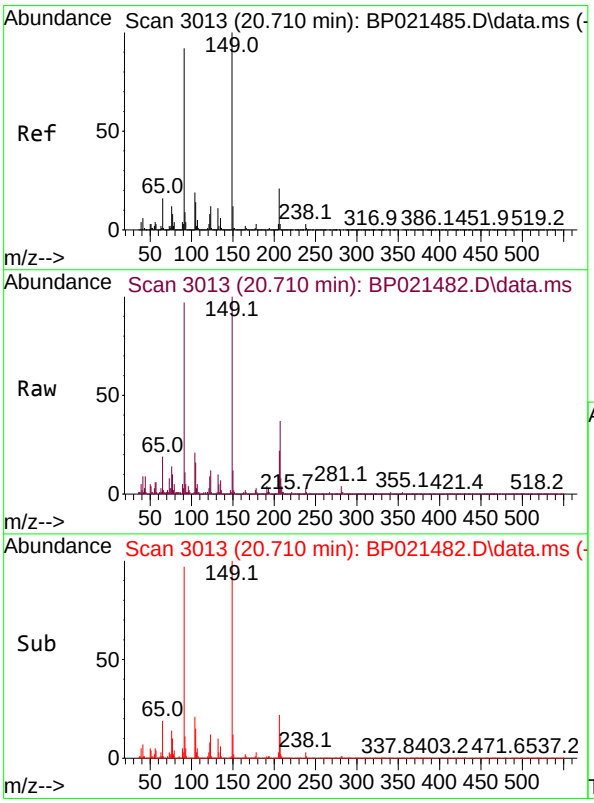
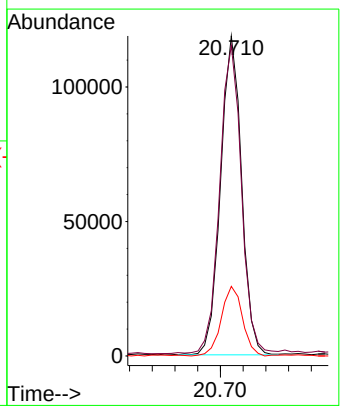
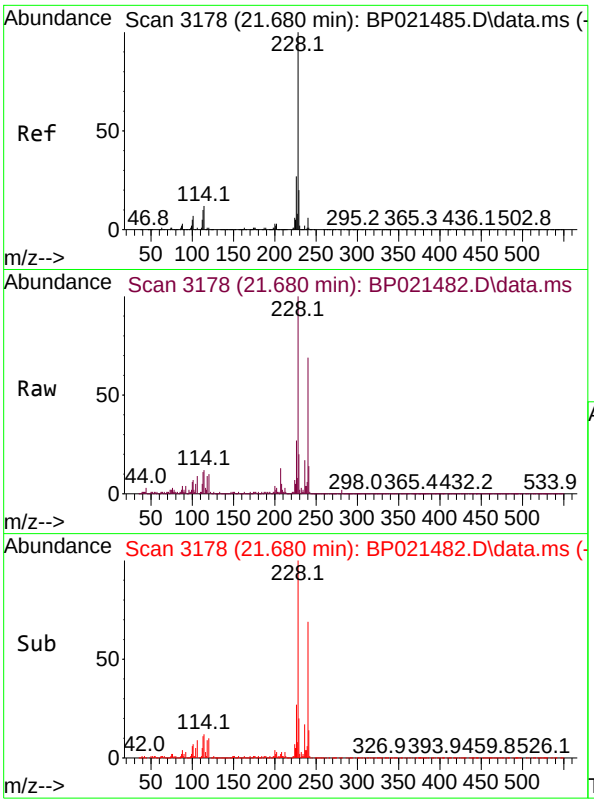


#80
Butylbenzylphthalate
Concen: 6.382 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 152079

Ion	Ratio	Lower	Upper
149	100		
91	97.1	73.3	109.9
206	21.7	17.1	25.7





#81
Benzo(a)anthracene
Concen: 5.063 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

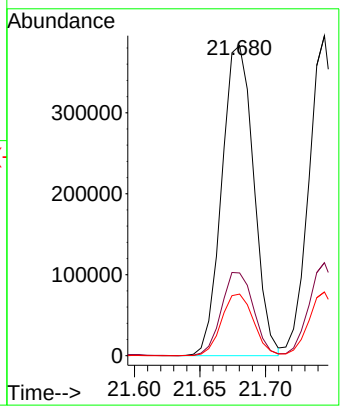
Tgt Ion:228 Resp: 64852

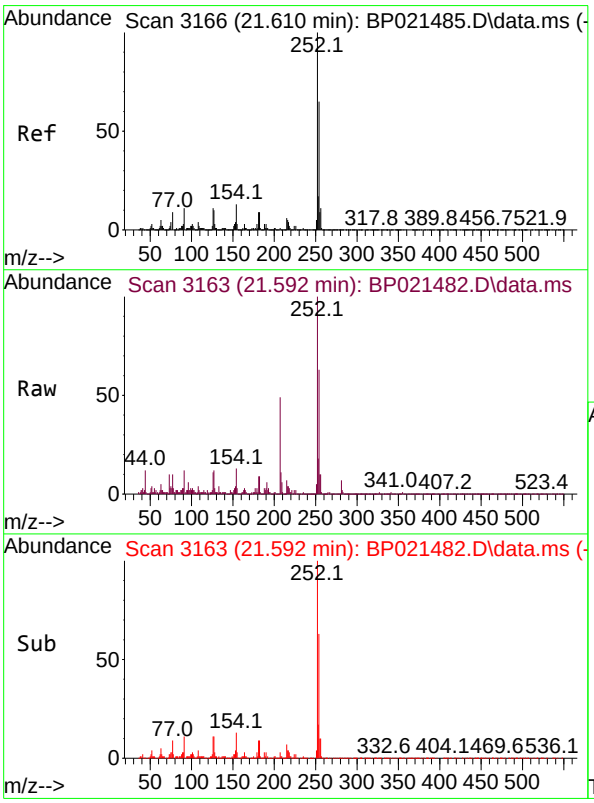
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.9	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

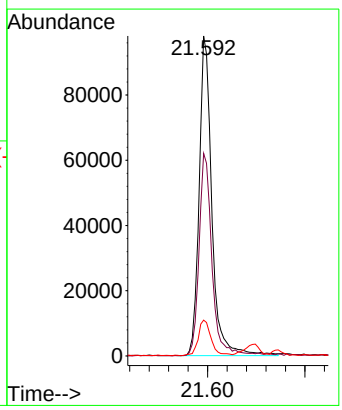


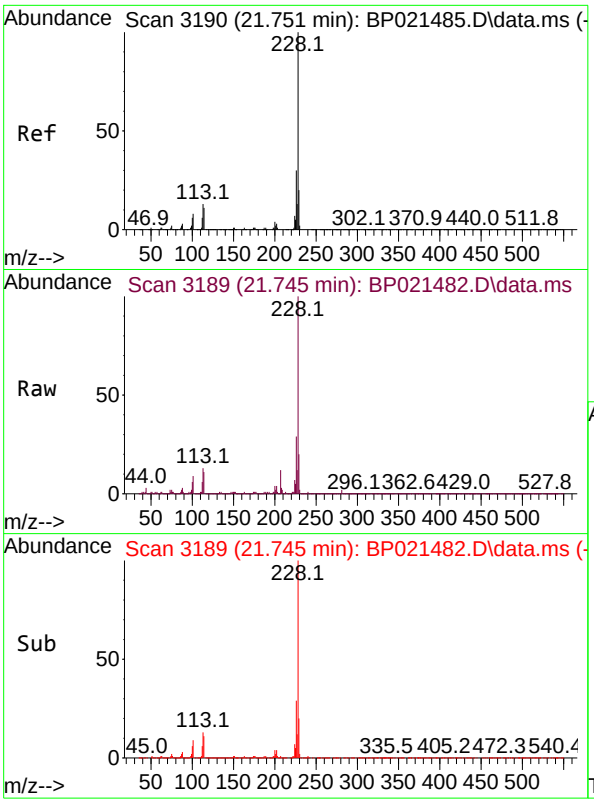


#82
3,3'-Dichlorobenzidine
Concen: 4.338 ng
RT: 21.592 min Scan# 3163
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 178137

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.7	77.5
126	11.2	8.7	13.1

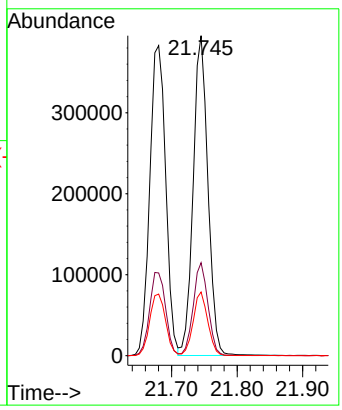




#83
Chrysene
Concen: 5.115 ng
RT: 21.745 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 61862

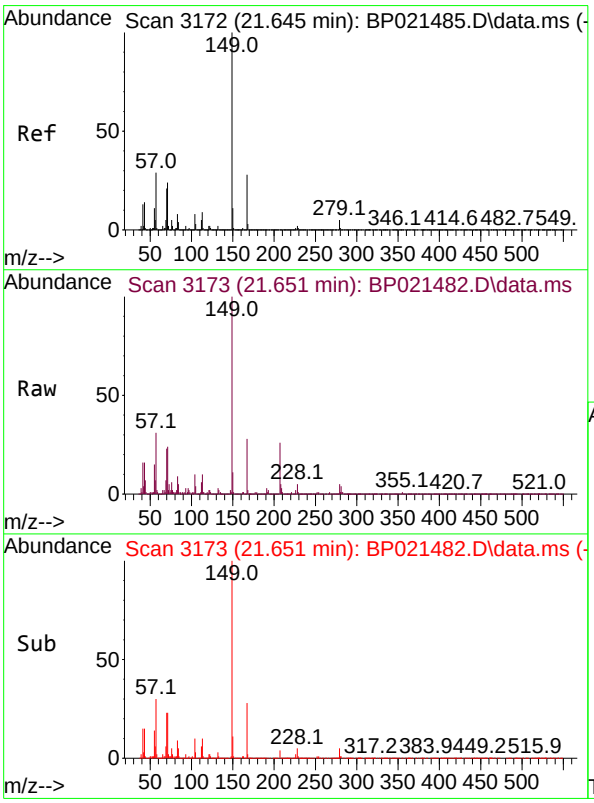
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

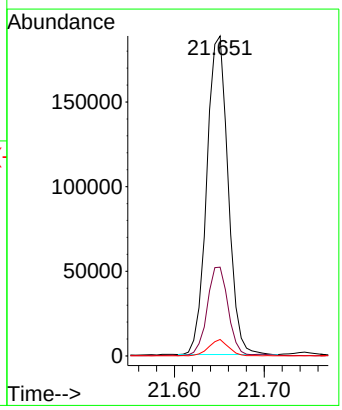
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

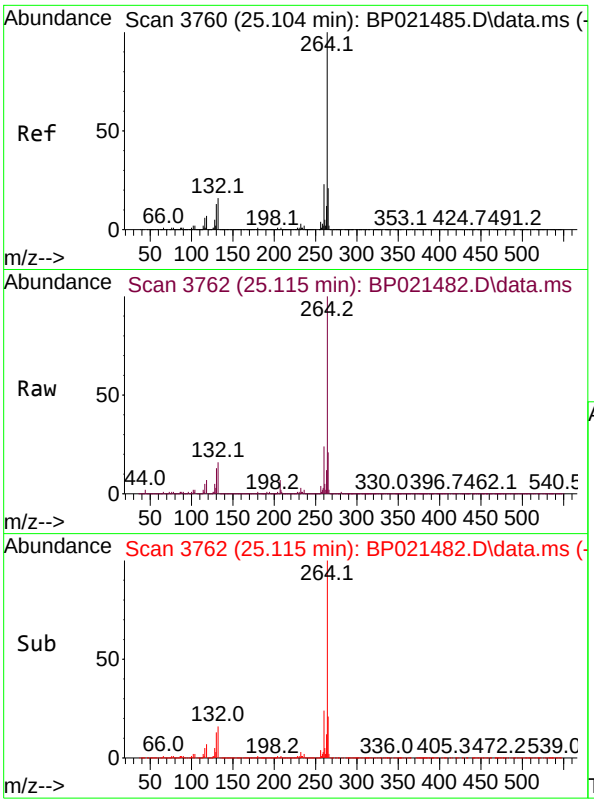


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.091 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 309738

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	5.2	3.8	5.6

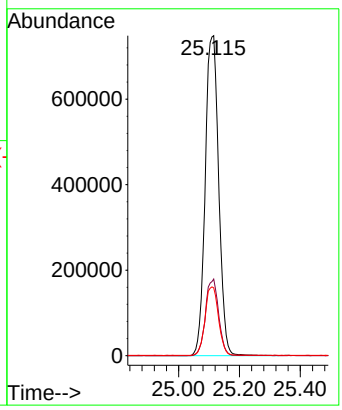




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:264 Resp: 229953

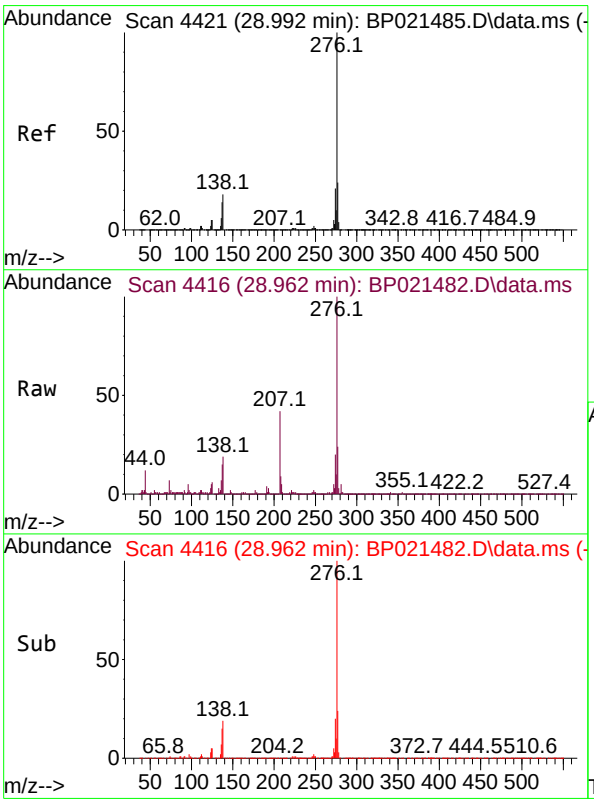
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.2	17.1	25.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

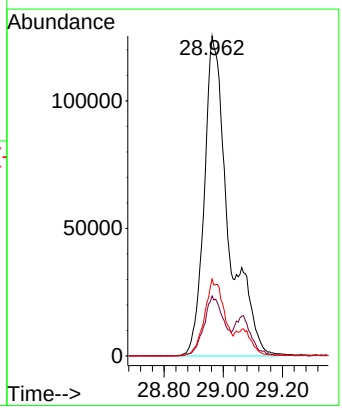
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

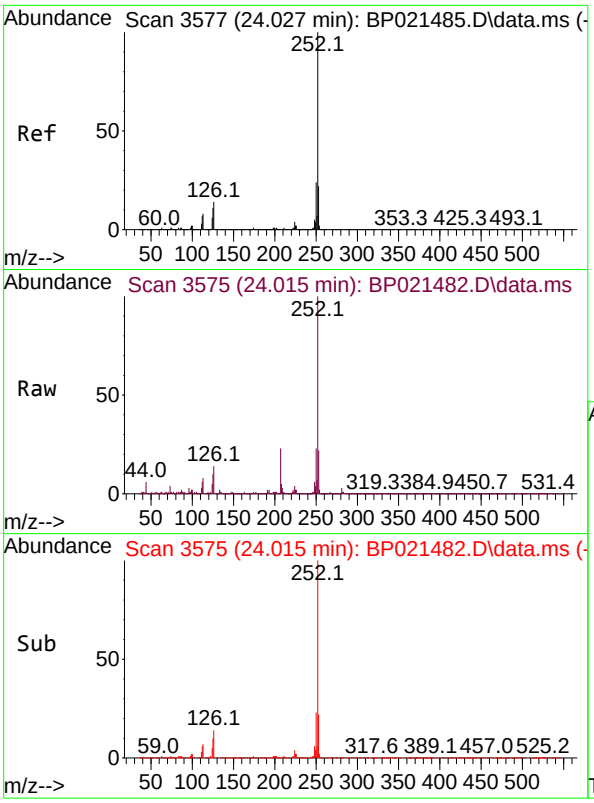


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.800 ng m
RT: 28.962 min Scan# 4416
Delta R.T. -0.030 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 715393

Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.8	19.2
277	19.6	16.5	24.7

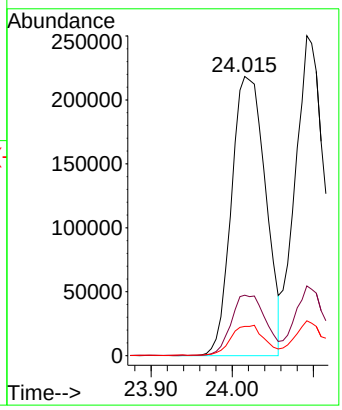




#88
Benzo(b)fluoranthene
Concen: 4.816 ng
RT: 24.015 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 63602

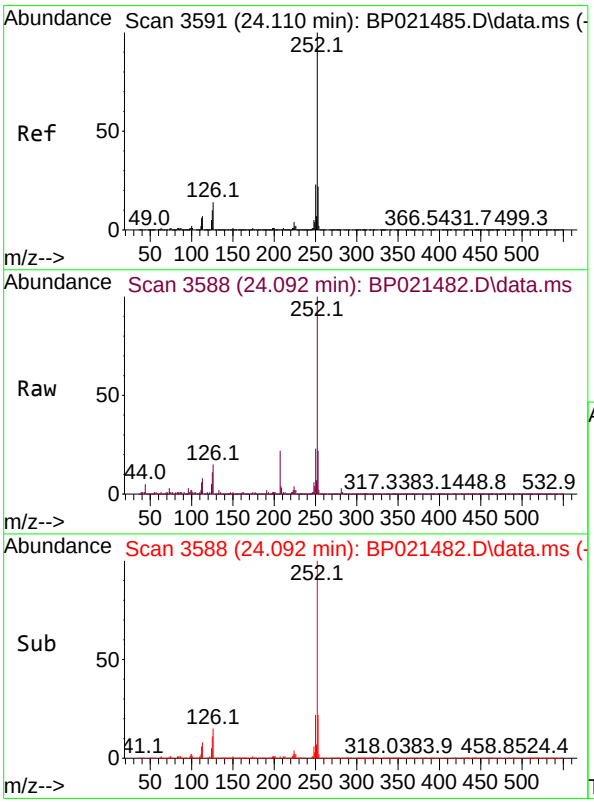
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.5	8.6	13.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

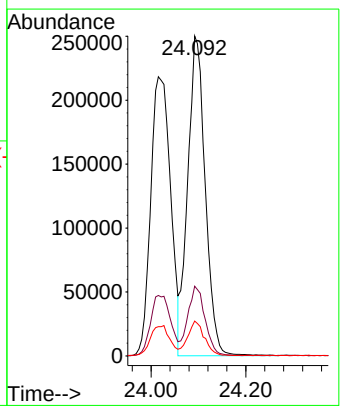
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

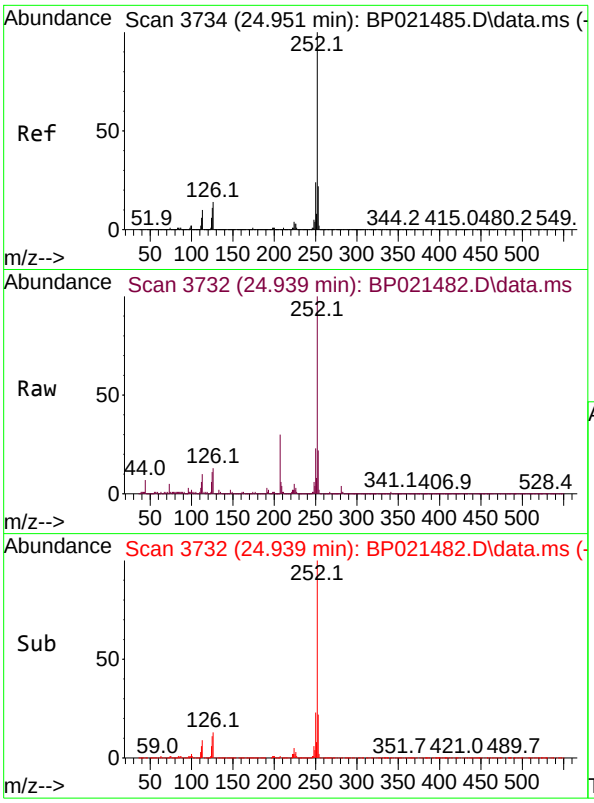


#89
Benzo(k)fluoranthene
Concen: 4.975 ng
RT: 24.092 min Scan# 3588
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 640982

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.9	7.8	11.8

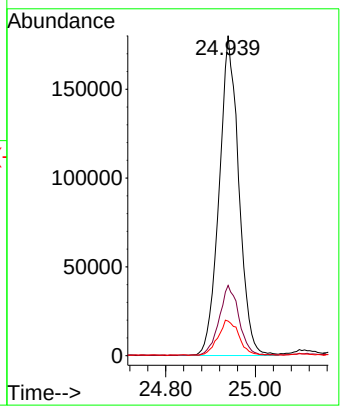




#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 24.939 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 54814

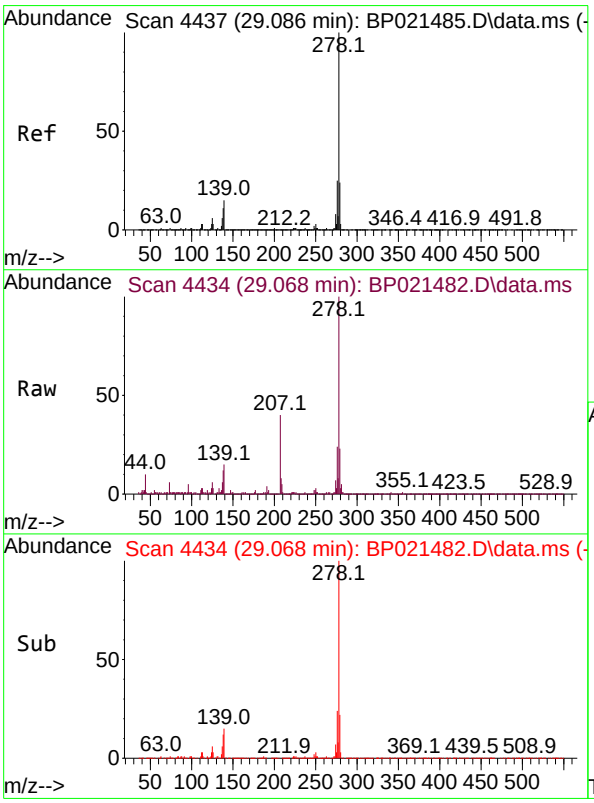
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.8	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

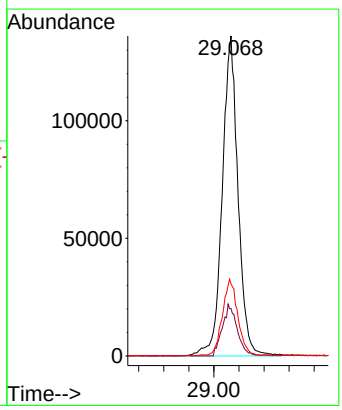
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

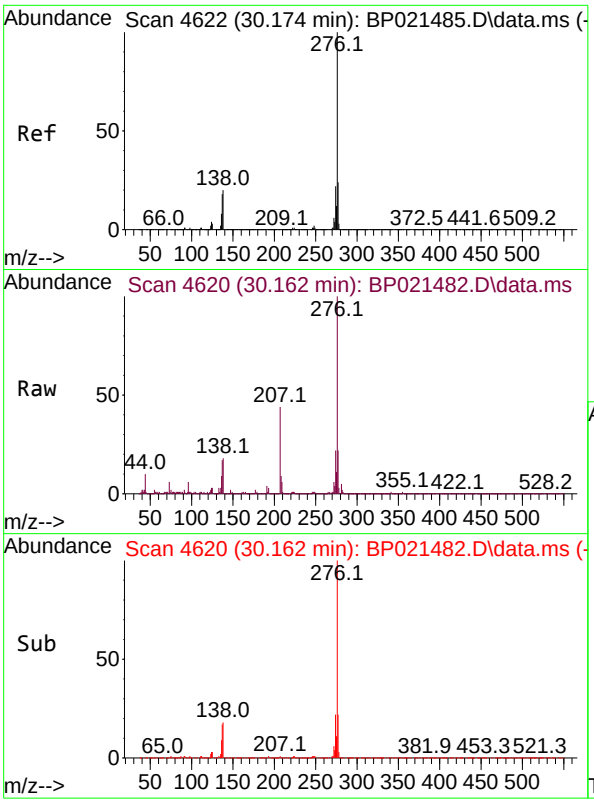


#91
Dibenzo(a,h)anthracene
Concen: 4.802 ng
RT: 29.068 min Scan# 4434
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:278 Resp: 594702

Ion	Ratio	Lower	Upper
278	100		
139	14.9	12.2	18.4
279	22.6	19.1	28.7

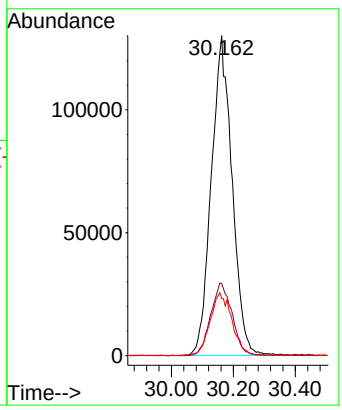




#92
Benzo(g,h,i)perylene
Concen: 4.872 ng
RT: 30.162 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 60477

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.0	28.6
138	17.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	385438	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1772285	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	1303990	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2799153	20.000	ng		0.00
76) Chrysene-d12	21.710	240	2268651	20.000	ng		0.01
86) Perylene-d12	25.110	264	2172035	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	495524	19.090	ng		0.00
7) Phenol-d6	6.958	99	755554	19.953	ng		0.00
23) Nitrobenzene-d5	8.952	82	600158	17.479	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	266074	18.334	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	1713239	20.051	ng		0.00
79) Terphenyl-d14	19.963	244	2713318	23.235	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	118289	9.611	ng		97
3) Pyridine	3.705	79	331408	9.645	ng		98
4) n-Nitrosodimethylamine	3.617	42	101144	9.794	ng	#	99
6) Aniline	7.128	93	392151	10.359	ng		99
8) 2-Chlorophenol	7.369	128	235350	9.811	ng		97
9) Benzaldehyde	6.946	77	278892	11.503	ng		99
10) Phenol	6.987	94	389958	9.945	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	346942	10.456	ng		99
12) 1,3-Dichlorobenzene	7.699	146	285122	10.006	ng		98
13) 1,4-Dichlorobenzene	7.840	146	291753	10.140	ng		99
14) 1,2-Dichlorobenzene	8.158	146	284225	10.251	ng		99
15) Benzyl Alcohol	8.034	79	280251	10.315	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.334	45	330688m	10.822	ng		
17) 2-Methylphenol	8.228	107	252971	10.205	ng		98
18) Hexachloroethane	8.893	117	113709	9.855	ng		99
19) n-Nitroso-di-n-propyla...	8.599	70	299730	11.459	ng		99
20) 3+4-Methylphenols	8.558	107	350826	10.496	ng		98
22) Acetophenone	8.616	105	550125	10.104	ng	#	98
24) Nitrobenzene	8.993	77	341460	9.156	ng		96
25) Isophorone	9.516	82	859297	10.593	ng		99
26) 2-Nitrophenol	9.705	139	55468	10.066	ng		94
27) 2,4-Dimethylphenol	9.757	122	199430	9.962	ng		98
28) bis(2-Chloroethoxy)met...	10.005	93	508512	10.270	ng		99
29) 2,4-Dichlorophenol	10.240	162	220504	9.322	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	293816	9.689	ng		96
31) Naphthalene	10.646	128	922302	9.962	ng		99
32) Benzoic acid	9.828	122	72405	10.529	ng		89
33) 4-Chloroaniline	10.740	127	357126	10.269	ng		98
34) Hexachlorobutadiene	10.946	225	188389	9.867	ng		99
35) Caprolactam	11.481	113	101824	10.344	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	332115	10.122	ng		98
37) 2-Methylnaphthalene	12.257	142	657592	10.407	ng		99
38) 1-Methylnaphthalene	12.475	142	651444	10.453	ng		99
40) 1,2,4,5-Tetrachloroben...	12.628	216	354329	9.274	ng		100
41) Hexachlorocyclopentadiene	12.622	237	99734	8.236	ng		96
43) 2,4,6-Trichlorophenol	12.863	196	185031	8.718	ng		96

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	206114	8.741	ng		99
46) 1,1'-Biphenyl	13.275	154	912835	9.894	ng		99
47) 2-Chloronaphthalene	13.310	162	700953	9.759	ng		99
48) 2-Nitroaniline	13.504	65	117865	10.374	ng		97
49) Acenaphthylene	14.169	152	1049611	9.941	ng		100
50) Dimethylphthalate	13.893	163	889818	10.190	ng		100
51) 2,6-Dinitrotoluene	14.004	165	122236	10.348	ng		90
52) Acenaphthene	14.516	154	690129	9.961	ng		100
53) 3-Nitroaniline	14.328	138	120754	10.365	ng	#	95
54) 2,4-Dinitrophenol	14.540	184	29452	10.721	ng	#	52
55) Dibenzofuran	14.851	168	1067432	10.016	ng		100
56) 4-Nitrophenol	14.628	139	91997	11.027	ng		92
57) 2,4-Dinitrotoluene	14.804	165	139246	10.586	ng		94
58) Fluorene	15.522	166	912792	10.425	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.075	232	181235	9.055	ng		99
60) Diethylphthalate	15.292	149	909304	10.148	ng		98
61) 4-Chlorophenyl-phenyle...	15.516	204	471863	10.426	ng		98
62) 4-Nitroaniline	15.516	138	129100	9.743	ng		87
63) Azobenzene	15.810	77	1159642	10.529	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	44079	11.022	ng		91
66) n-Nitrosodiphenylamine	15.722	169	757847	10.103	ng		100
67) 4-Bromophenyl-phenylether	16.422	248	293464	9.906	ng		98
68) Hexachlorobenzene	16.545	284	347933	9.938	ng		96
69) Atrazine	16.698	200	260277	10.106	ng		99
70) Pentachlorophenol	16.892	266	150520	7.877	ng		99
71) Phenanthrene	17.298	178	1348415	10.017	ng		99
72) Anthracene	17.392	178	1336422	10.123	ng		99
73) Carbazole	17.657	167	1267960	9.966	ng		99
74) Di-n-butylphthalate	18.275	149	1490471	9.539	ng		99
75) Fluoranthene	19.375	202	1613504	9.769	ng		100
77) Benzidine	19.569	184	336598	9.509	ng		99
78) Pyrene	19.751	202	1667213	11.243	ng		99
80) Butylbenzylphthalate	20.704	149	414136	10.409	ng		96
81) Benzo(a)anthracene	21.680	228	1415007	9.936	ng		100
82) 3,3'-Dichlorobenzidine	21.598	252	405660	8.884	ng		99
83) Chrysene	21.751	228	1338613	9.955	ng		99
84) Bis(2-ethylhexyl)phtha...	21.639	149	720802	8.563	ng		100
85) Di-n-octyl phthalate	22.951	149	951183	10.621	ng		99
87) Indeno(1,2,3-cd)pyrene	28.974	276	1255326	8.917	ng		98
88) Benzo(b)fluoranthene	24.021	252	1250809	10.027	ng		99
89) Benzo(k)fluoranthene	24.092	252	1195420	9.824	ng		99
90) Benzo(a)pyrene	24.927	252	1035462	9.565	ng		99
91) Dibenzo(a,h)anthracene	29.051	278	1047693	8.956	ng		99
92) Benzo(g,h,i)perylene	30.168	276	1037272	8.847	ng		99

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

ICAL Form

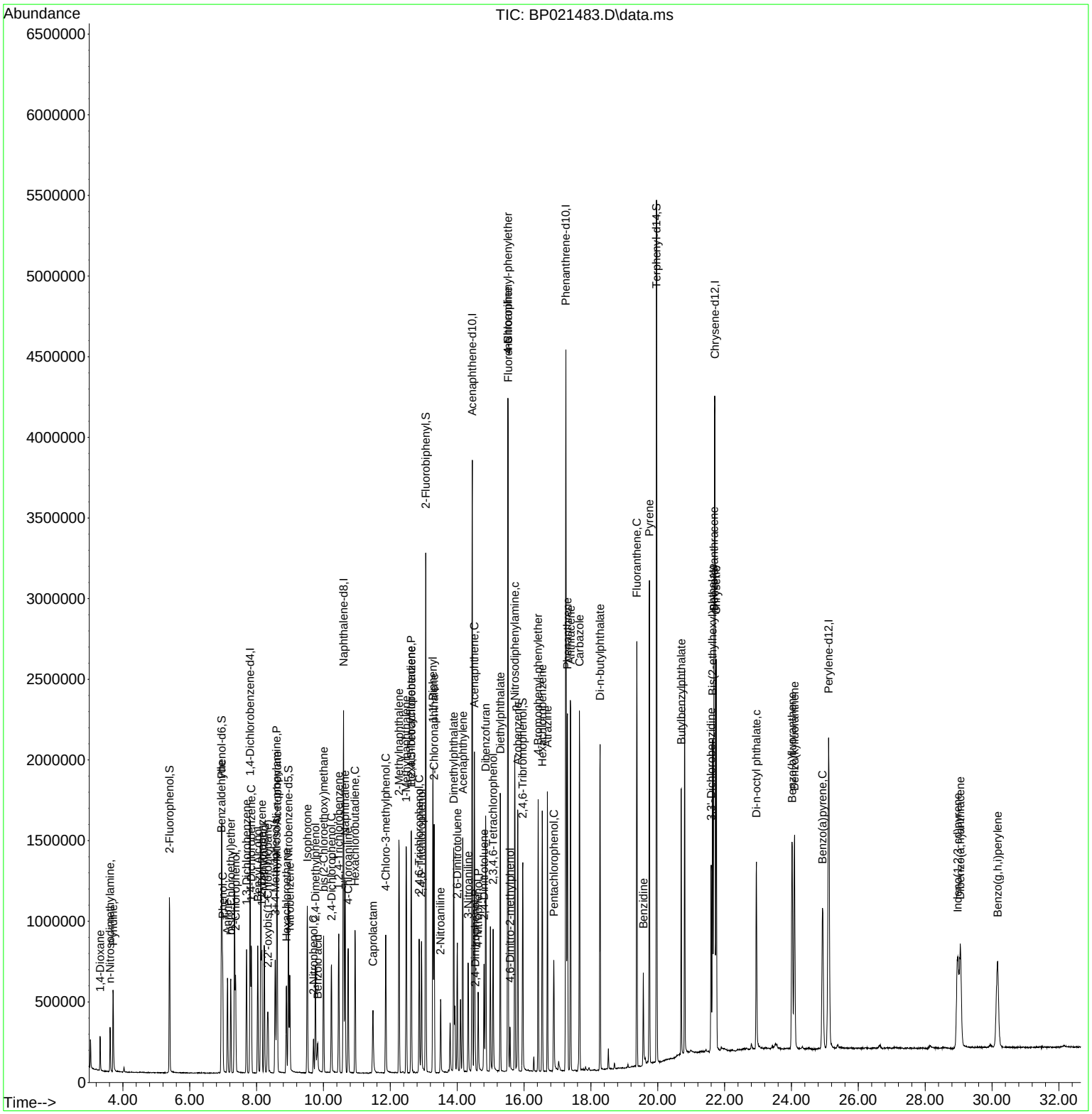
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

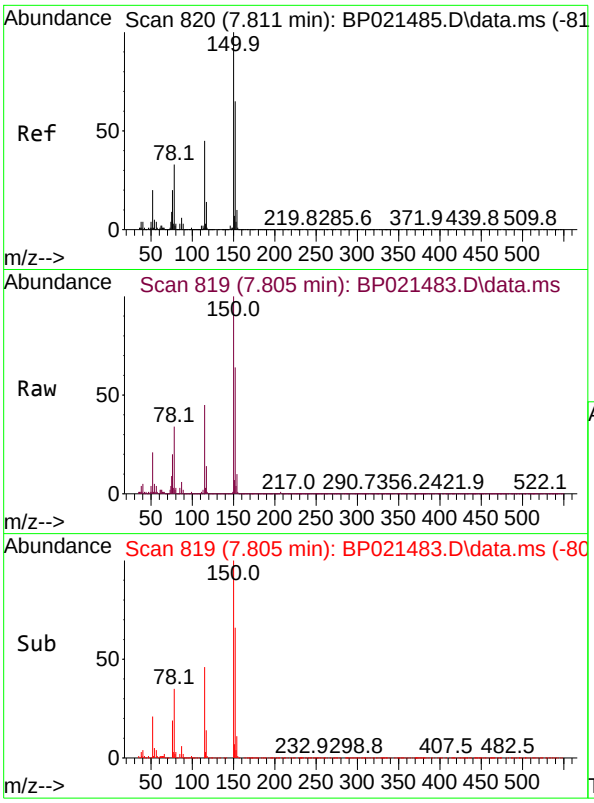
Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

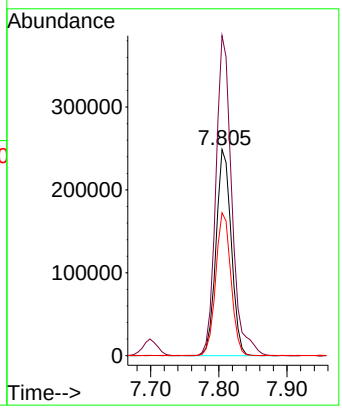




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:152 Resp: 38543

Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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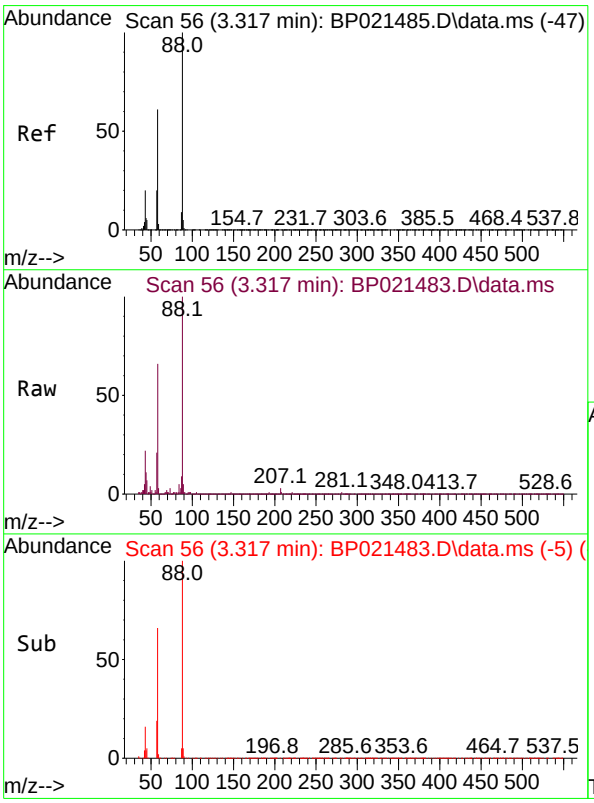
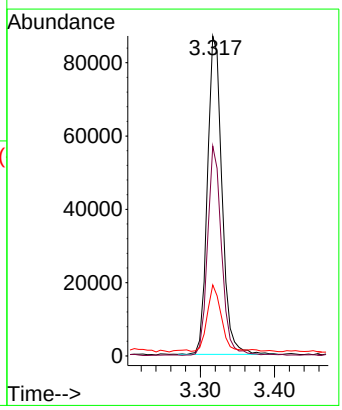
Supervised By :mohammad ahmed 08/14/2024

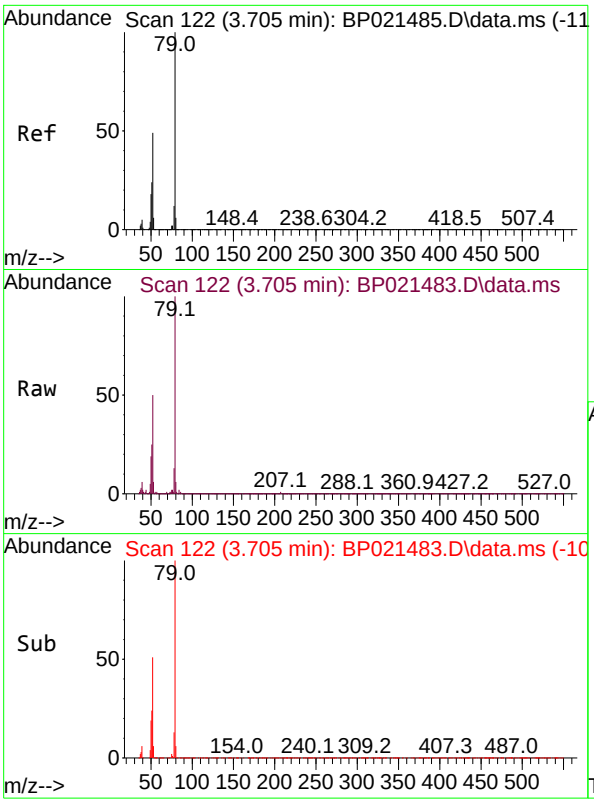


#2
1,4-Dioxane
Concen: 9.611 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 88 Resp: 118289

Ion	Ratio	Lower	Upper
88	100		
58	63.3	48.7	73.1
43	19.9	15.4	23.2

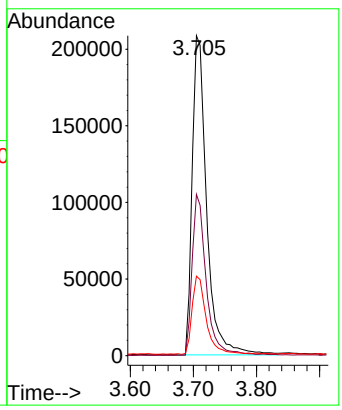




#3
Pyridine
Concen: 9.645 ng
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 79 Resp: 33140

Ion	Ratio	Lower	Upper
79	100		
52	50.4	39.0	58.6
51	24.9	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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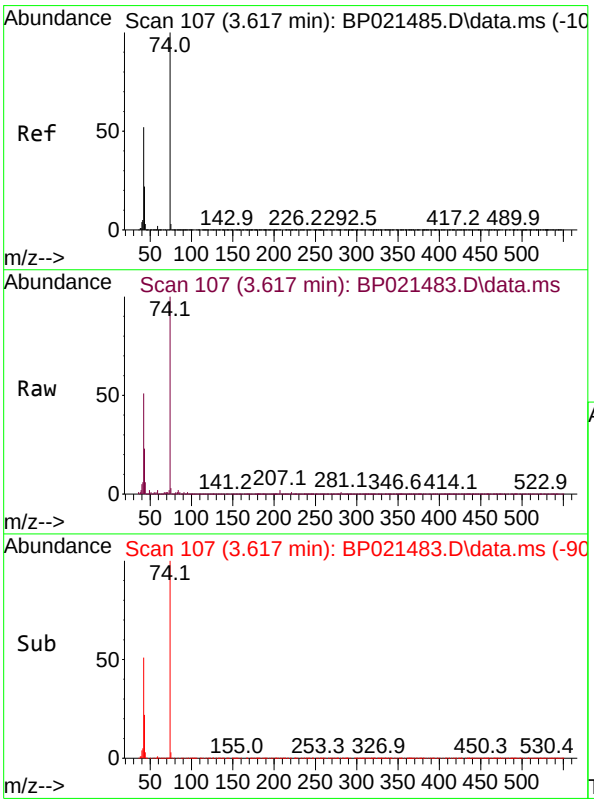
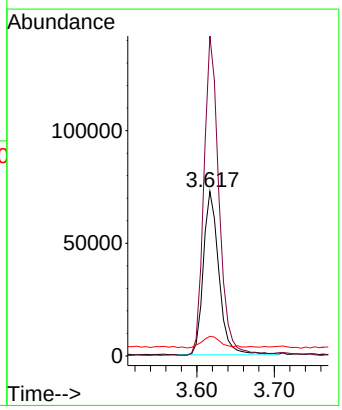
Supervised By :mohammad ahmed 08/14/2024

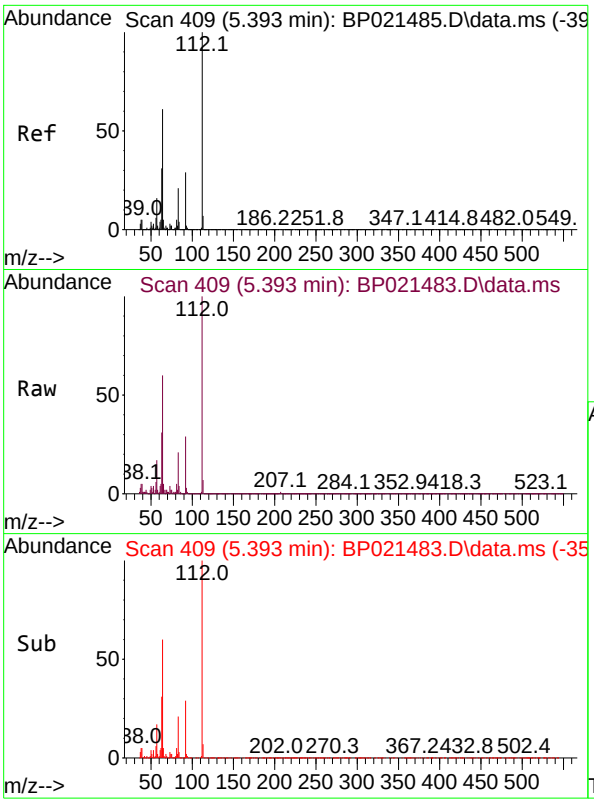


#4
n-Nitrosodimethylamine
Concen: 9.794 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 42 Resp: 101144

Ion	Ratio	Lower	Upper
42	100		
74	194.5	154.3	231.5
44	12.0	6.2	9.4#

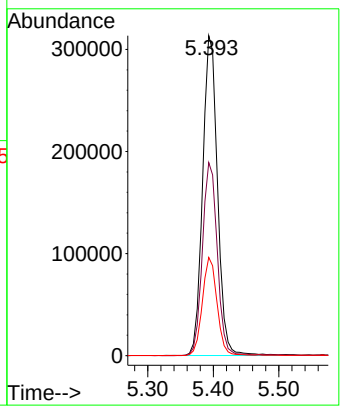




#5
2-Fluorophenol
Concen: 19.090 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:112 Resp: 49552

Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.0	73.6
63	30.7	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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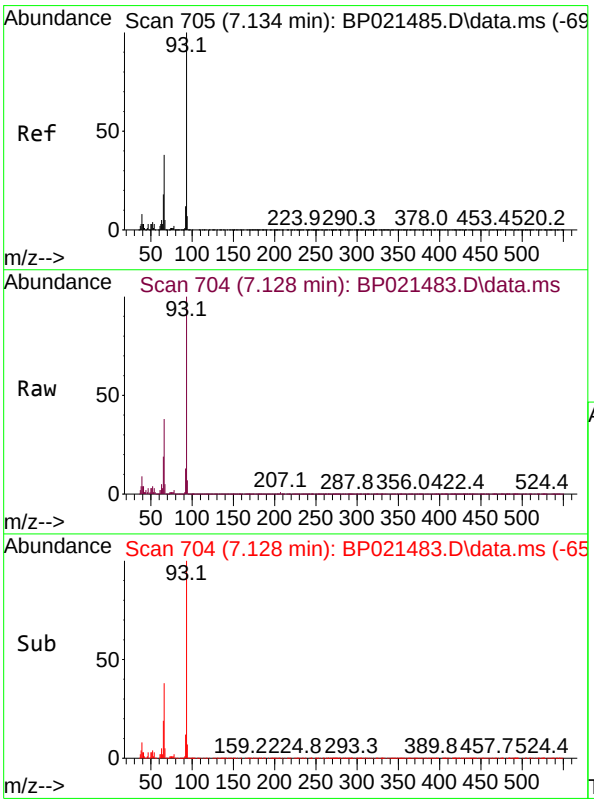
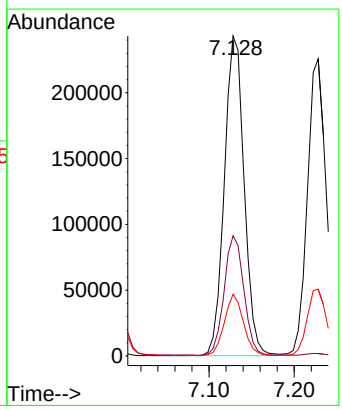
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

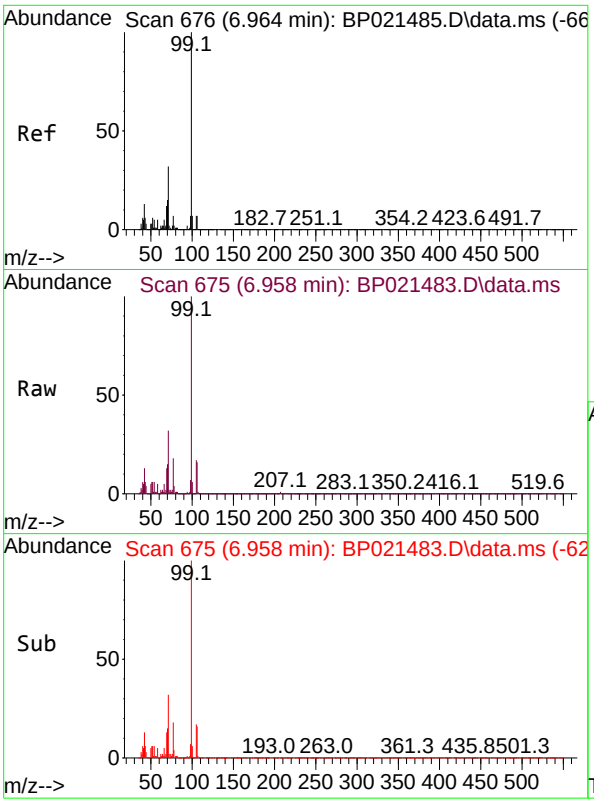


#6
Aniline
Concen: 10.359 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 392151

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.3	14.7	22.1

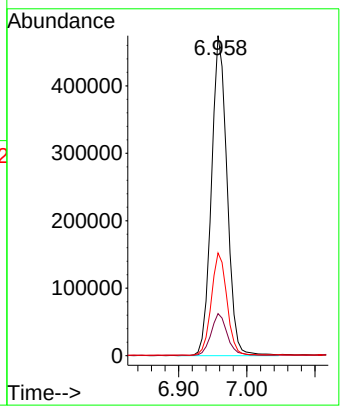




#7
Phenol-d6
Concen: 19.953 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 99 Resp: 75555

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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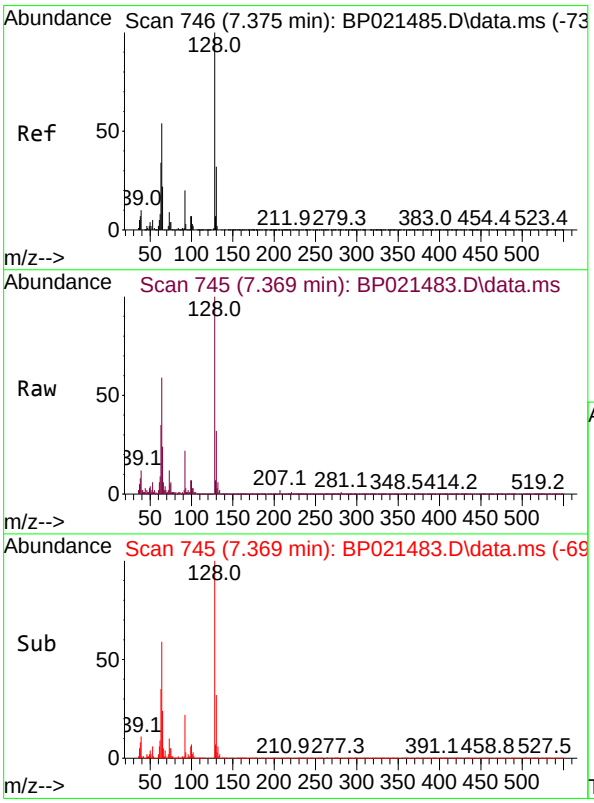
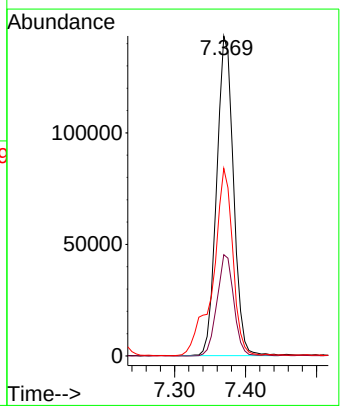
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

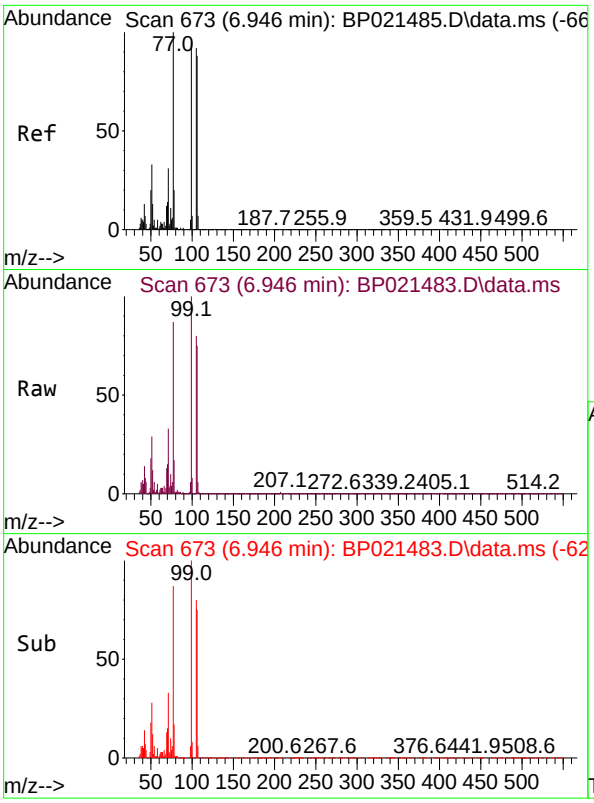


#8
2-Chlorophenol
Concen: 9.811 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 235350

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	58.6	35.3	75.3

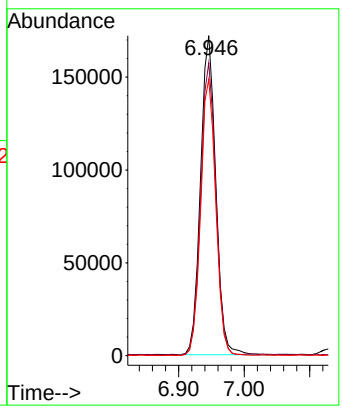




#9
Benzaldehyde
Concen: 11.503 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 27889

Ion	Ratio	Lower	Upper
77	100		
105	91.5	72.1	112.1
106	86.4	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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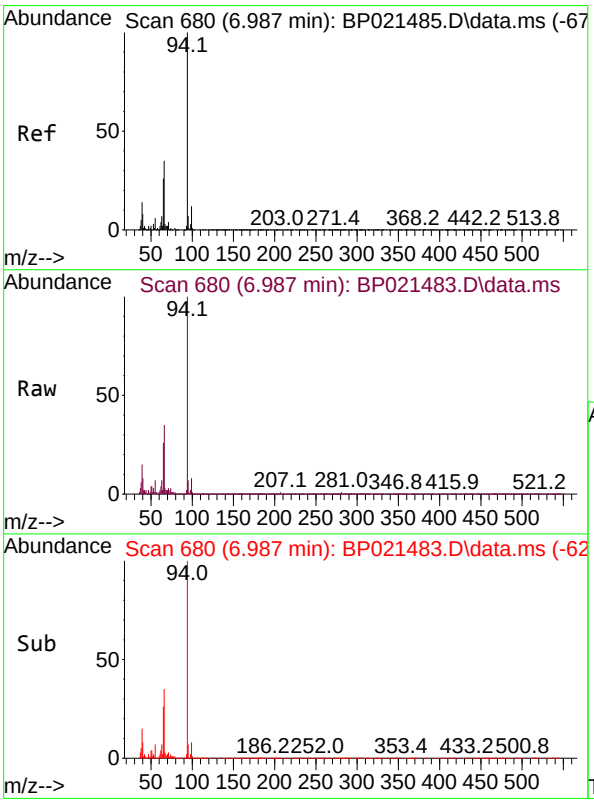
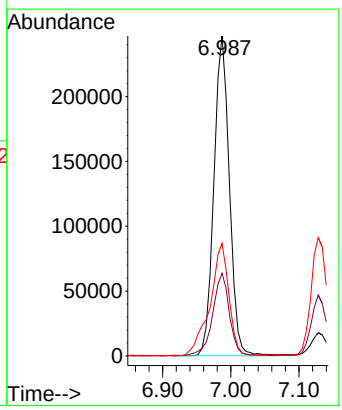
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

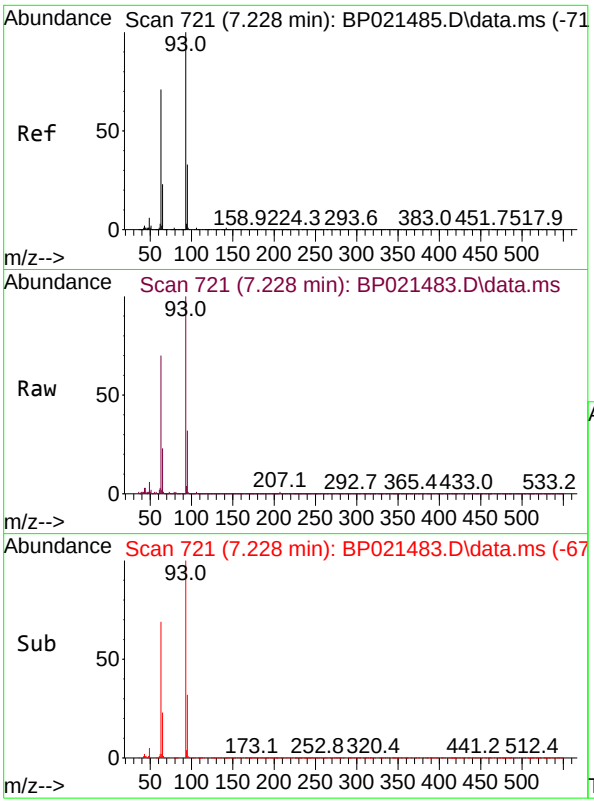


#10
Phenol
Concen: 9.945 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 94 Resp: 389958

Ion	Ratio	Lower	Upper
94	100		
65	25.9	6.5	46.5
66	35.2	14.7	54.7

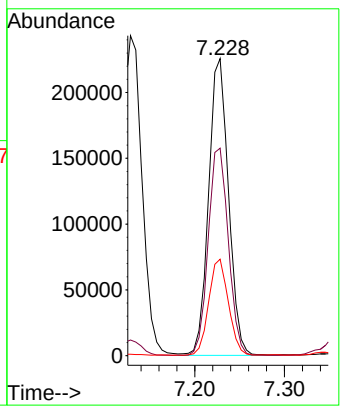




#11
bis(2-Chloroethyl)ether
Concen: 10.456 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 34694

Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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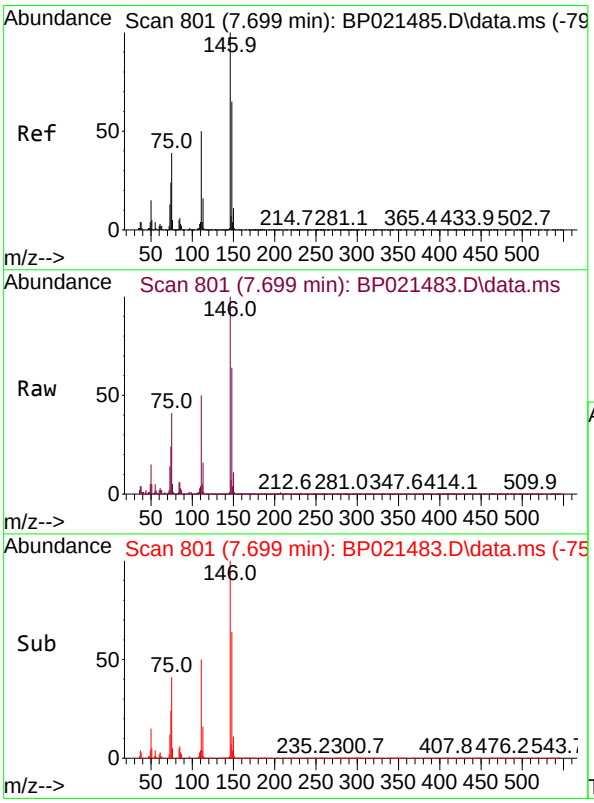
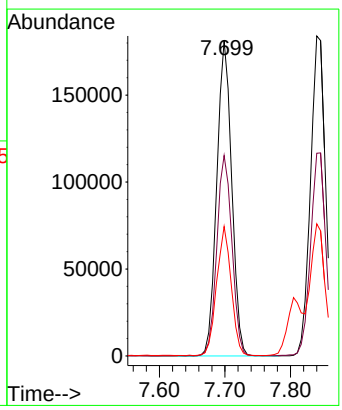
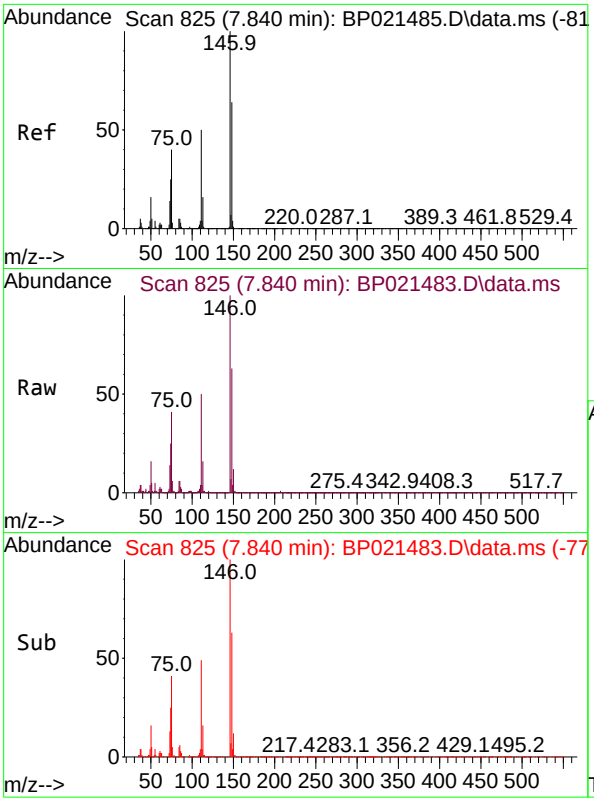


#12
1,3-Dichlorobenzene
Concen: 10.006 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 285122

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	41.0	31.3	46.9

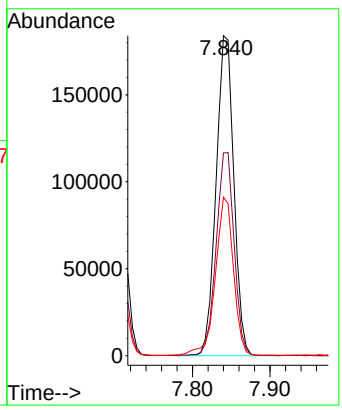




#13
1,4-Dichlorobenzene
Concen: 10.140 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 29175

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.5	77.3
111	49.6	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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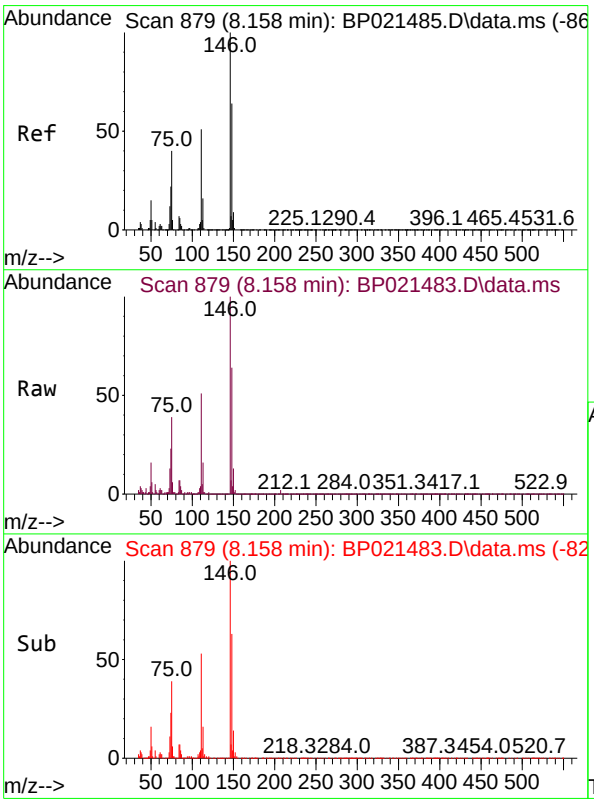
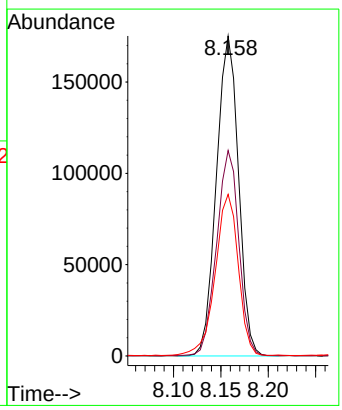
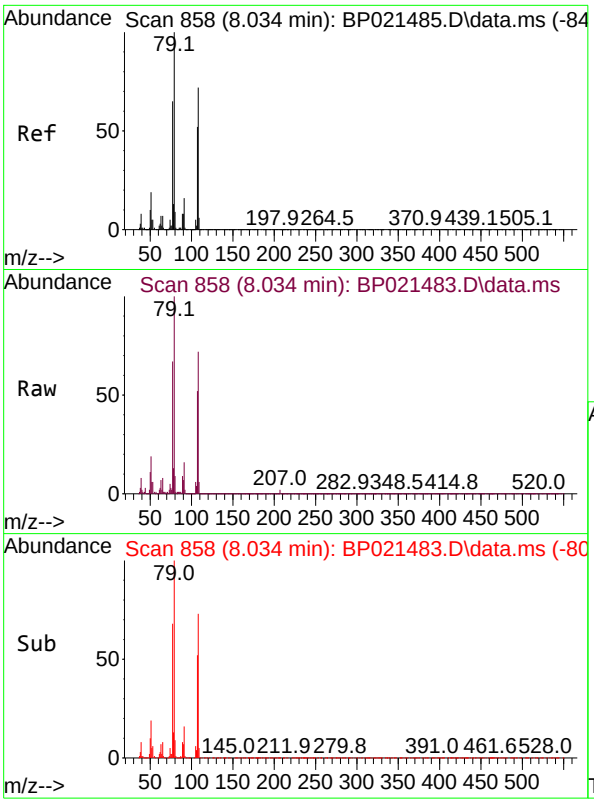


#14
1,2-Dichlorobenzene
Concen: 10.251 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 284225

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	50.5	41.1	61.7





#15
Benzyl Alcohol
Concen: 10.315 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 79 Resp: 28025

Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	67.5	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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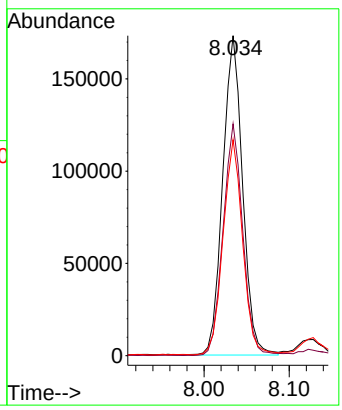
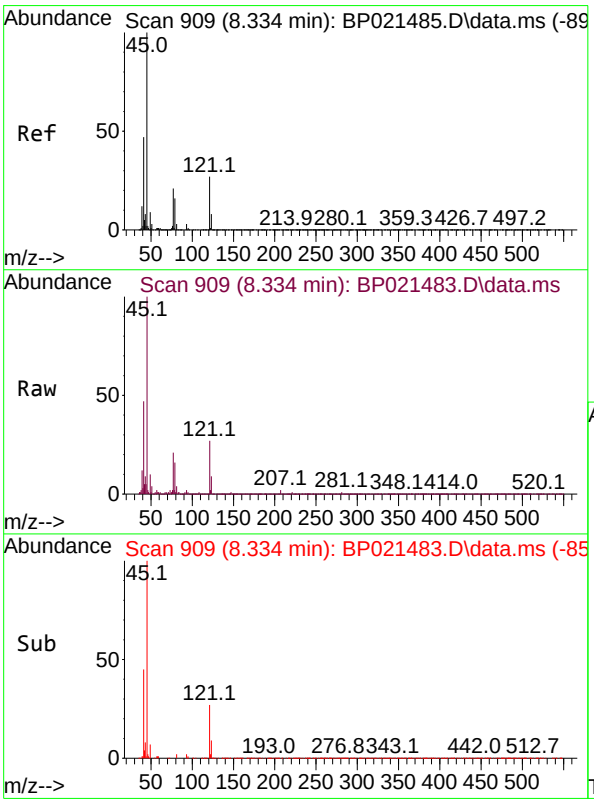
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

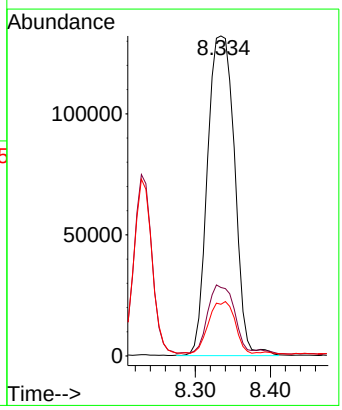


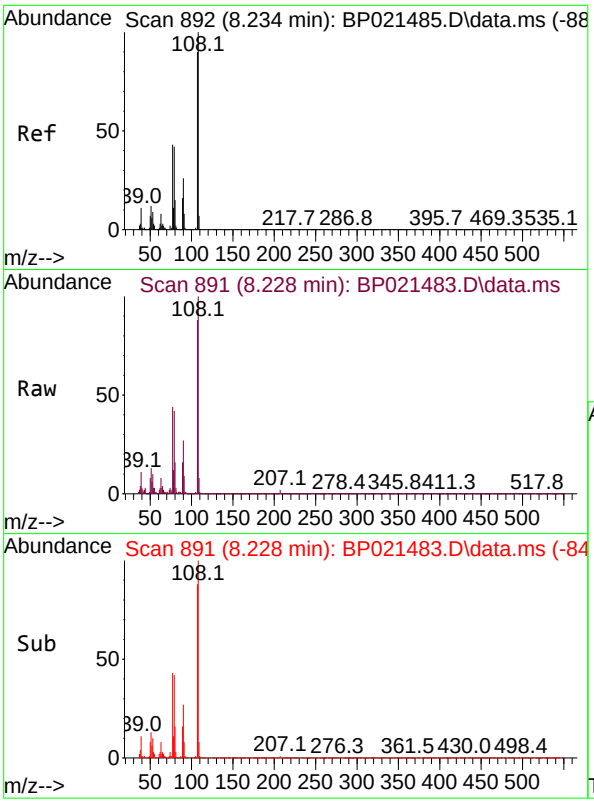


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.822 ng m
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 45 Resp: 330688

Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.1	0.0	36.6

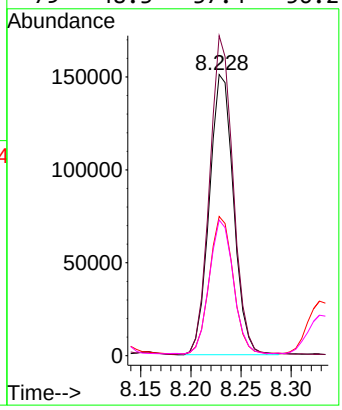




#17
2-Methylphenol
Concen: 10.205 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 25297

Ion	Ratio	Lower	Upper
107	100		
108	113.8	88.8	133.2
77	49.5	38.7	58.1
79	48.3	37.4	56.2



Instrument :
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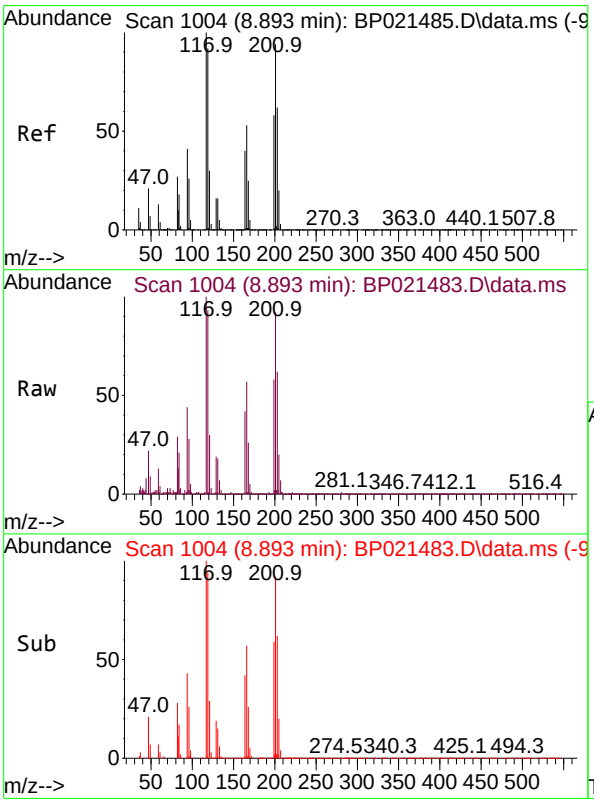
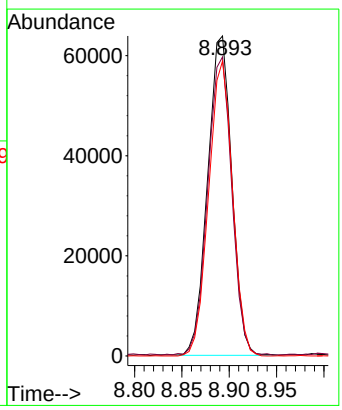
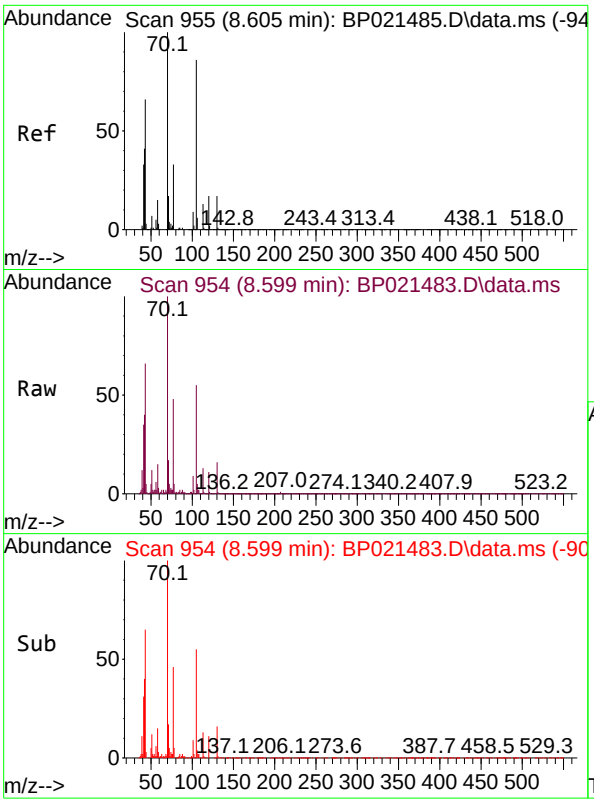


#18
Hexachloroethane
Concen: 9.855 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:117 Resp: 113709

Ion	Ratio	Lower	Upper
117	100		
119	93.5	73.9	110.9
201	92.1	74.9	112.3

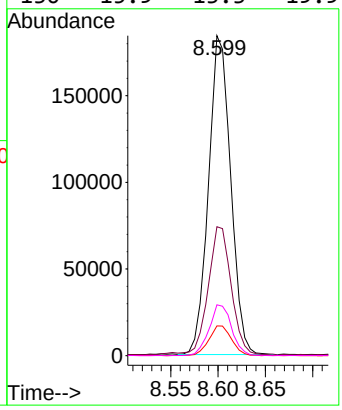




#19
n-Nitroso-di-n-propylamine
Concen: 11.459 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 70 Resp: 29973

Ion	Ratio	Lower	Upper
70	100		
42	40.3	33.1	49.7
101	9.3	7.4	11.2
130	15.9	13.3	19.9



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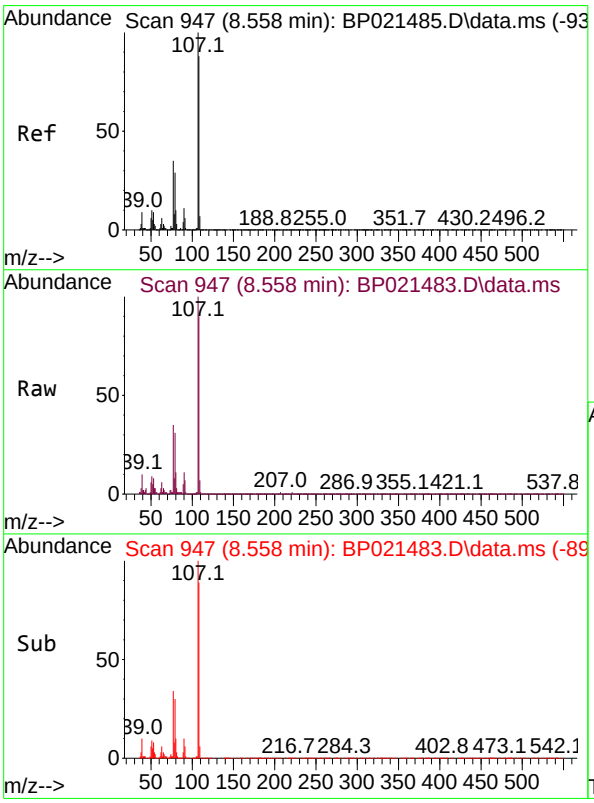
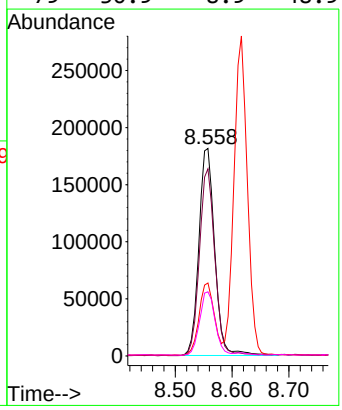
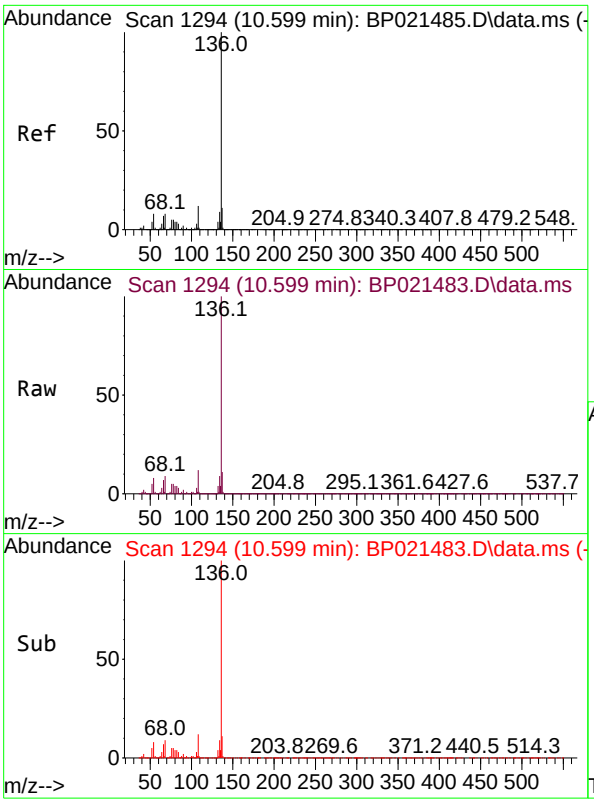


#20
3+4-Methylphenols
Concen: 10.496 ng
RT: 8.558 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 350826

Ion	Ratio	Lower	Upper
107	100		
108	90.2	67.6	107.6
77	35.1	15.0	55.0
79	30.9	8.9	48.9

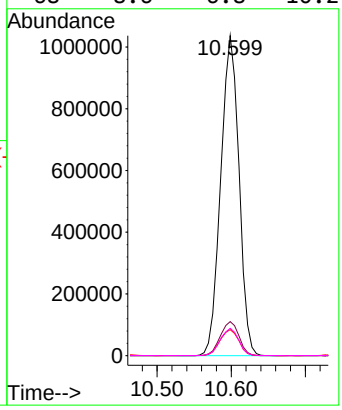




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:136 Resp: 177228

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.3	9.5
68	8.6	6.8	10.2



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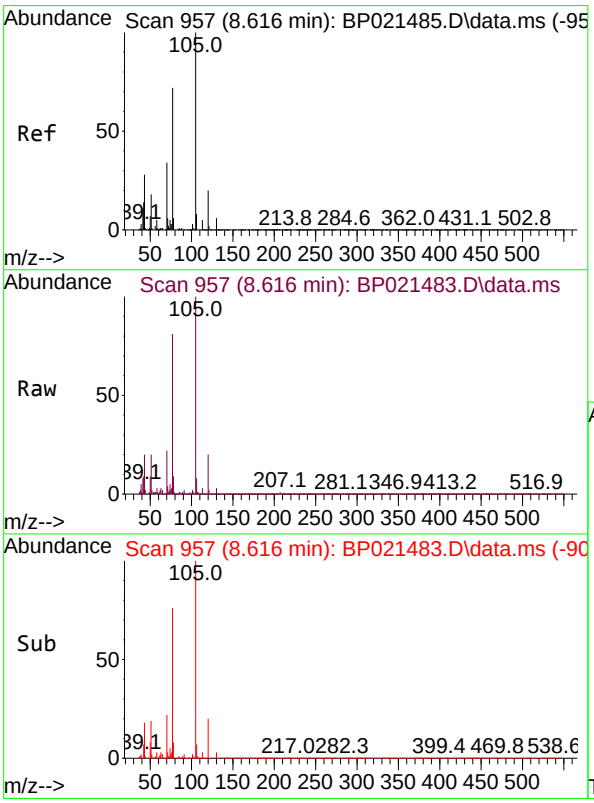
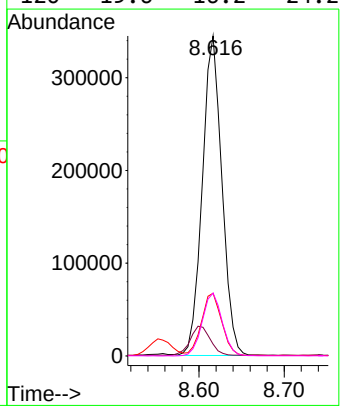
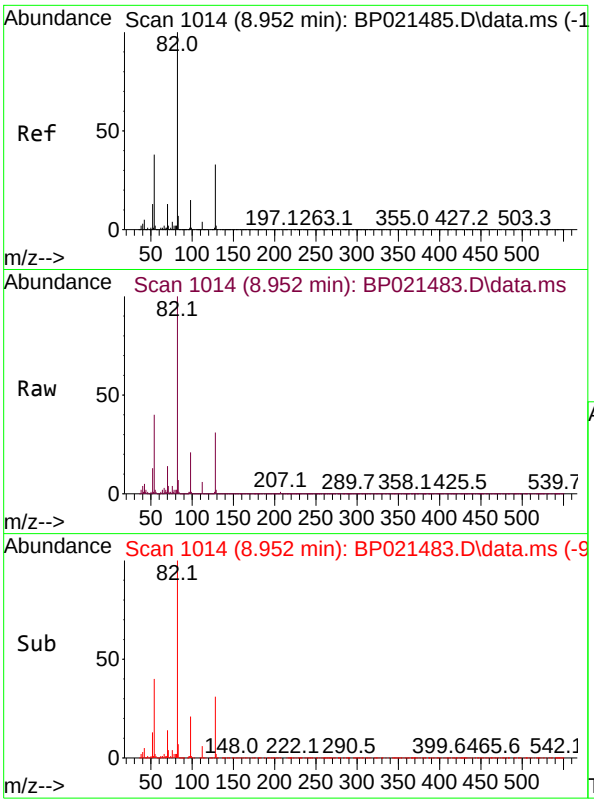


#22
Acetophenone
Concen: 10.104 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:105 Resp: 550125

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.6	7.0#
51	19.6	16.3	24.5
120	19.6	16.2	24.2

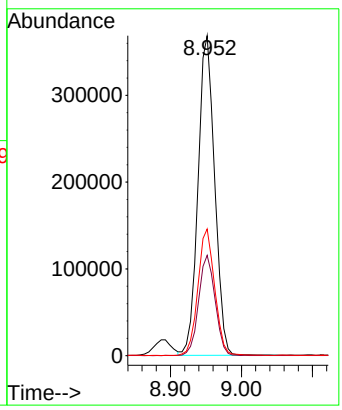




#23
Nitrobenzene-d5
Concen: 17.479 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 60015

Ion	Ratio	Lower	Upper
82	100		
128	31.4	26.5	39.7
54	39.6	30.3	45.5



Instrument :
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ClientSampleId :
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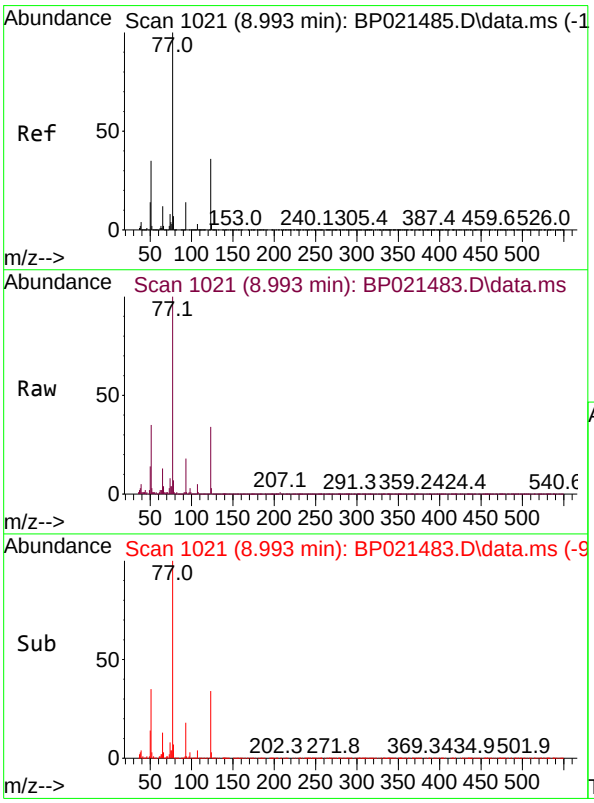
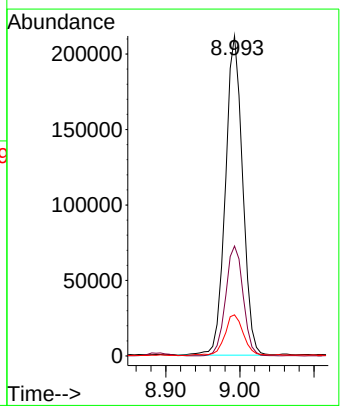
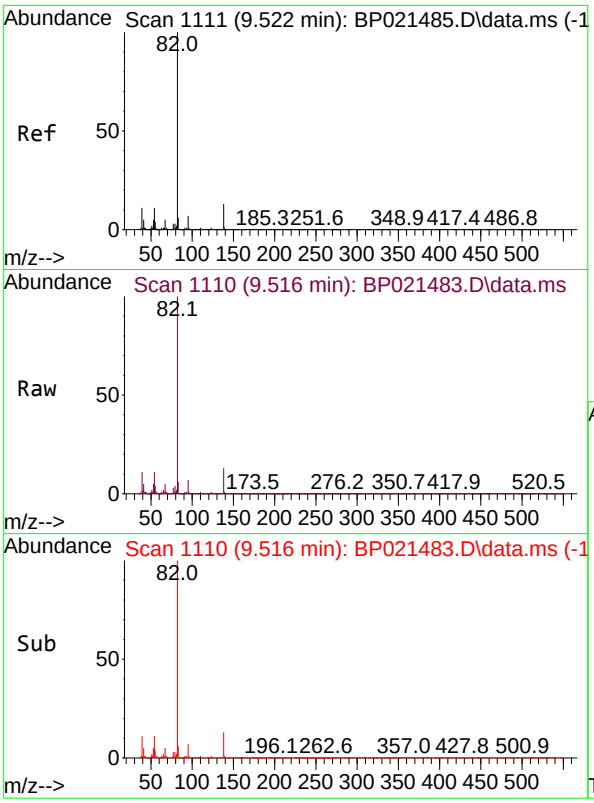


#24
Nitrobenzene
Concen: 9.156 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 341460

Ion	Ratio	Lower	Upper
77	100		
123	34.3	29.5	44.3
65	12.9	9.9	14.9

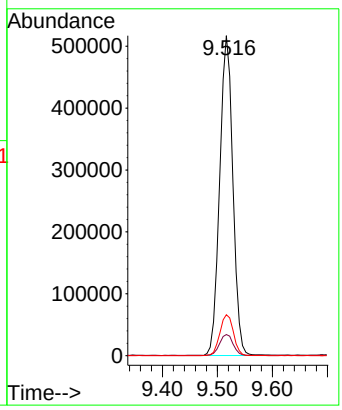




#25
Isophorone
Concen: 10.593 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 85929

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	12.8	10.6	16.0



Instrument :
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ClientSampleId :
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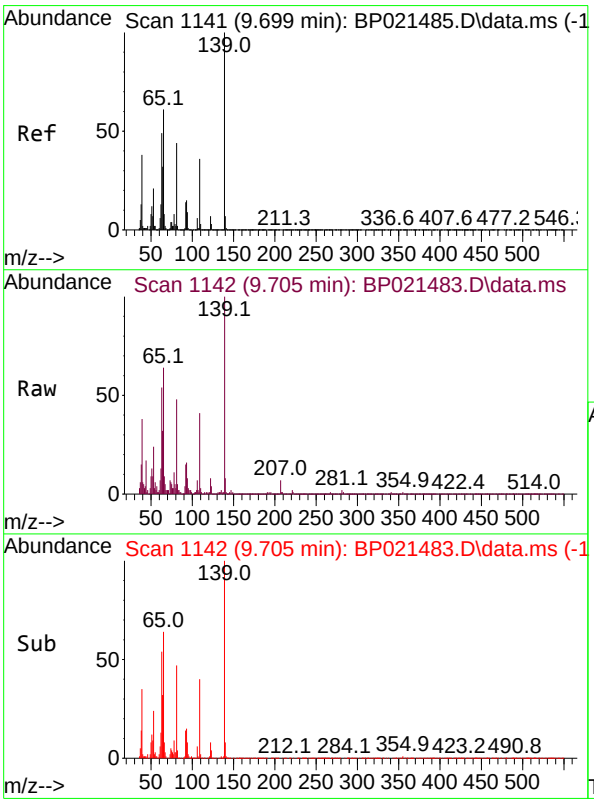
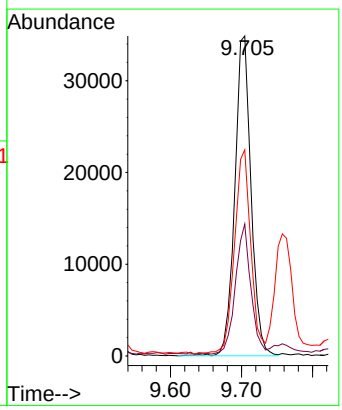
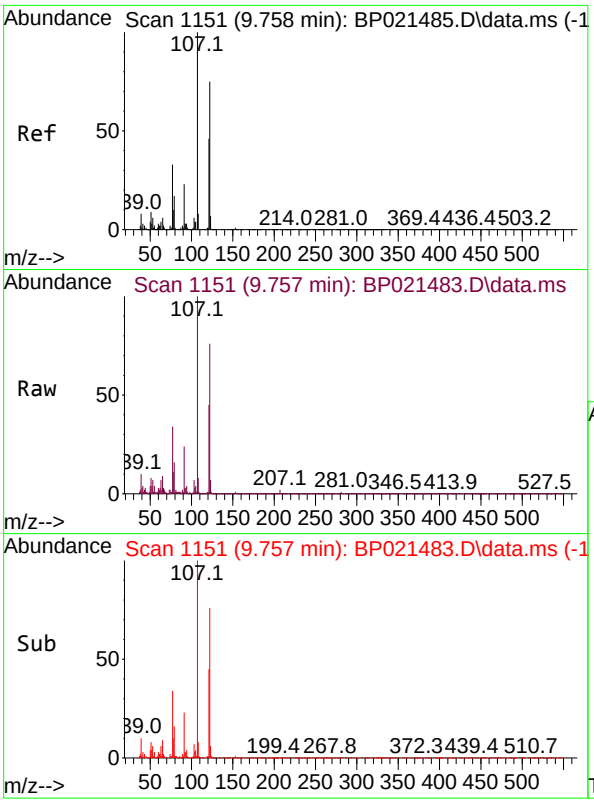


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 55468

Ion	Ratio	Lower	Upper
139	100		
109	41.2	28.9	43.3
65	64.4	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 9.962 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:122 Resp: 19943

Ion	Ratio	Lower	Upper
122	100		
107	131.6	106.2	159.4
121	58.8	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
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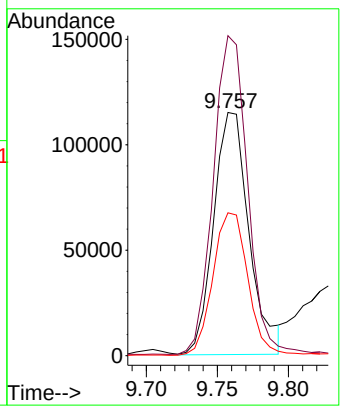
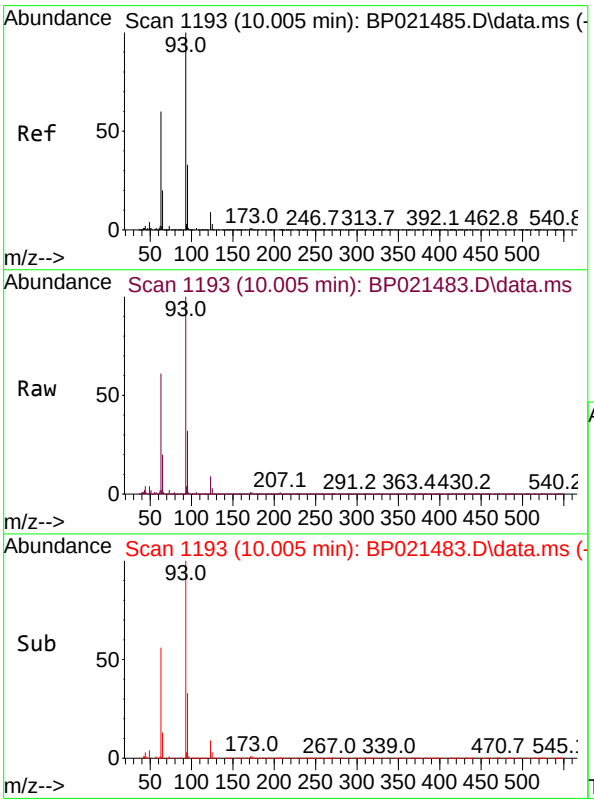
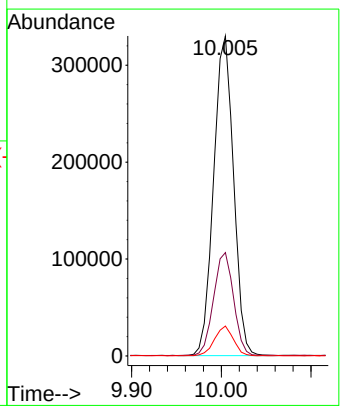


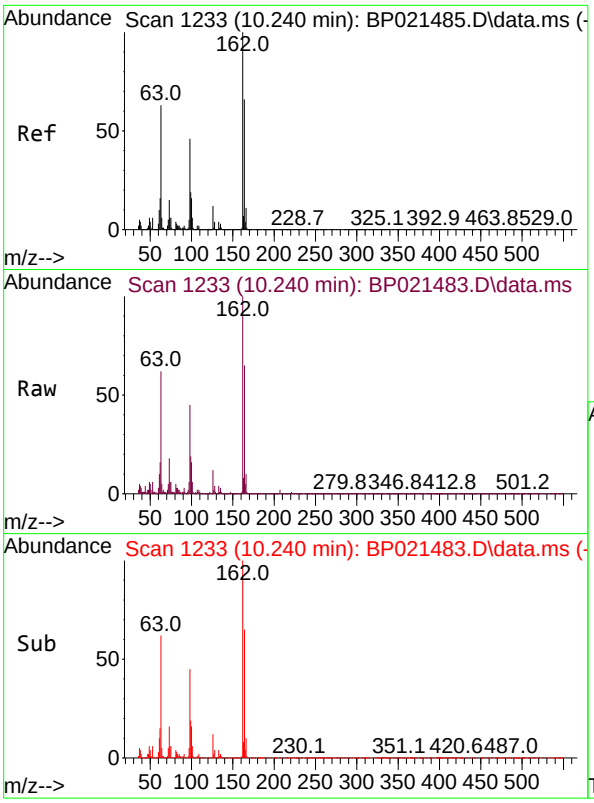


#28
bis(2-Chloroethoxy)methane
Concen: 10.270 ng
RT: 10.005 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 508512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	9.4	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 9.322 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 22050

Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.9	85.9
98	45.0	26.3	66.3

Instrument :
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ClientSampleId :
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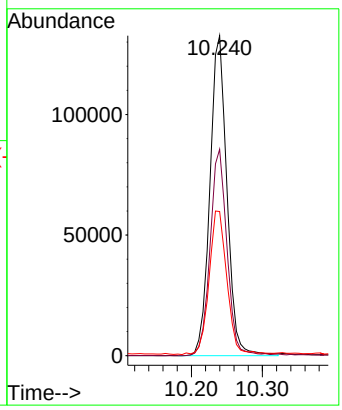
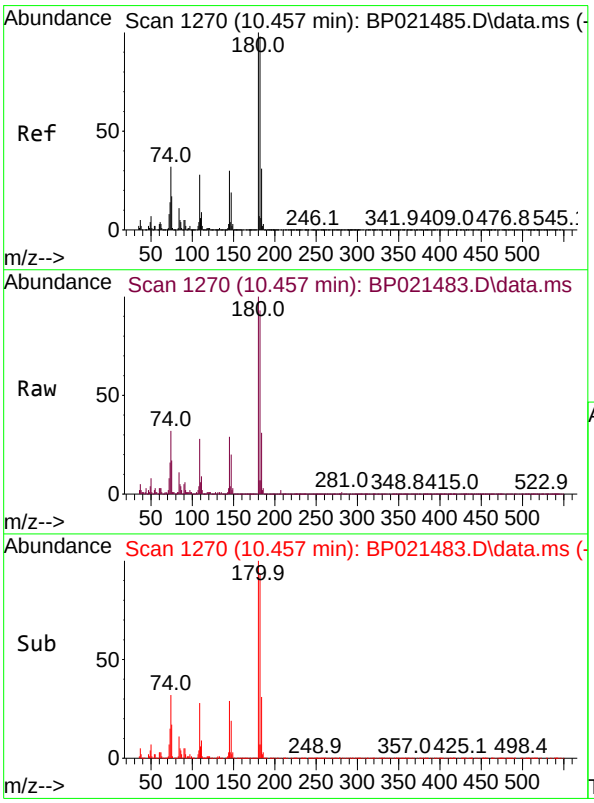
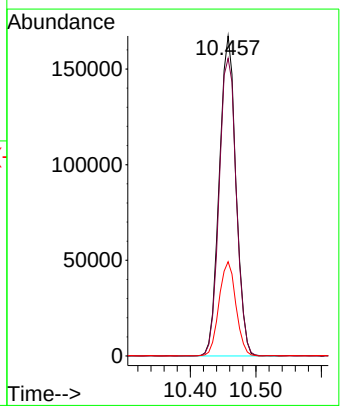


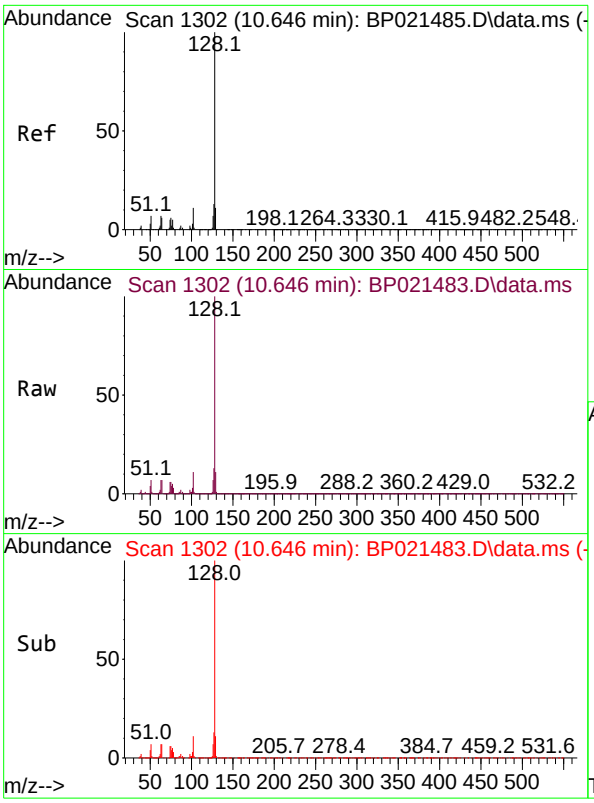


#30
1,2,4-Trichlorobenzene
Concen: 9.689 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:180 Resp: 293816

Ion	Ratio	Lower	Upper
180	100		
182	93.0	78.3	117.5
145	29.5	24.0	36.0

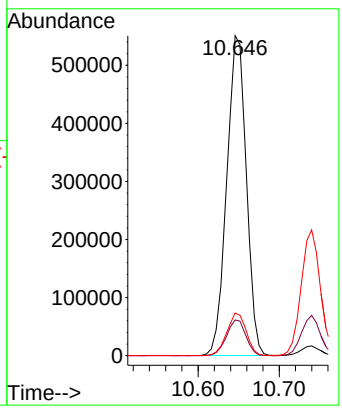




#31
Naphthalene
Concen: 9.962 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 92230

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.4	10.6	15.8



Instrument :
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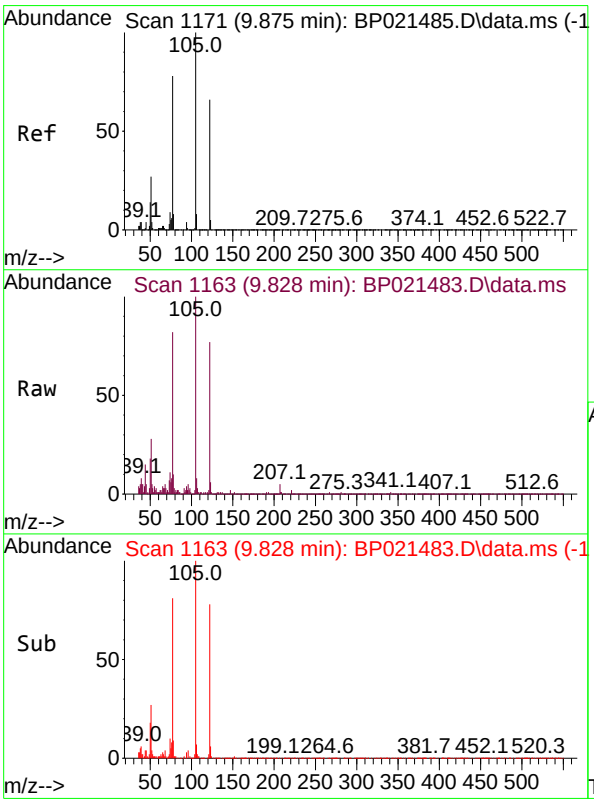
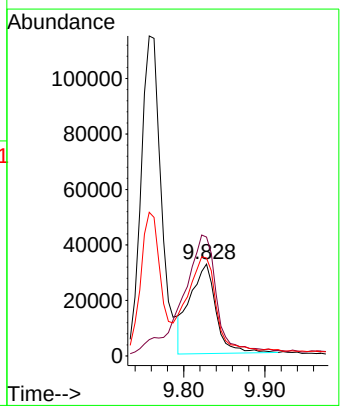
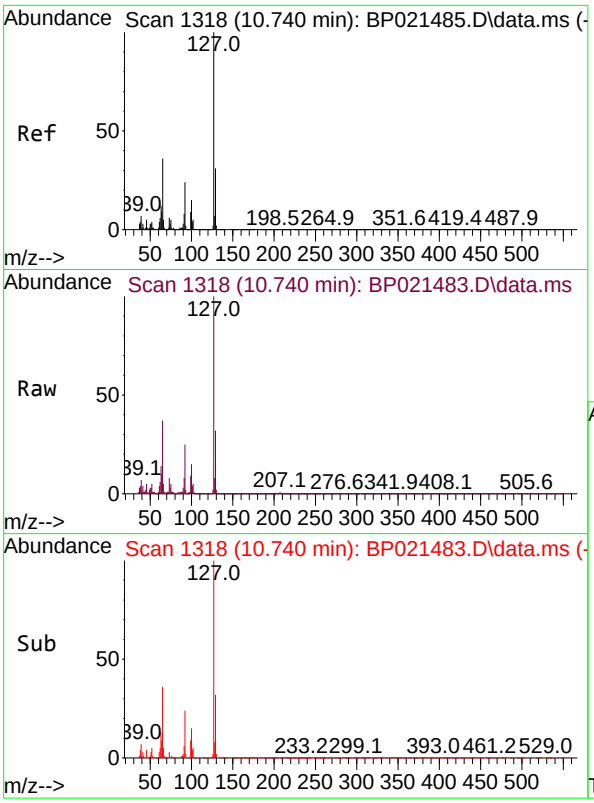


#32
Benzoic acid
Concen: 10.529 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:122 Resp: 72405

Ion	Ratio	Lower	Upper
122	100		
105	129.6	124.6	164.6
77	106.7	96.2	136.2

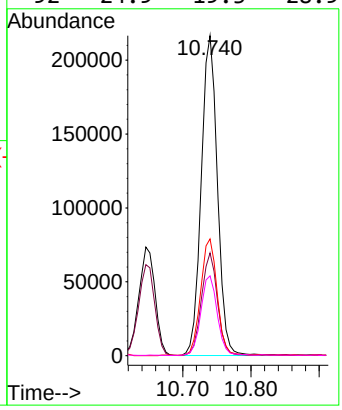




#33
4-Chloroaniline
Concen: 10.269 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:127 Resp: 35712

Ion	Ratio	Lower	Upper
127	100		
129	32.1	24.5	36.7
65	36.5	28.9	43.3
92	24.9	19.3	28.9



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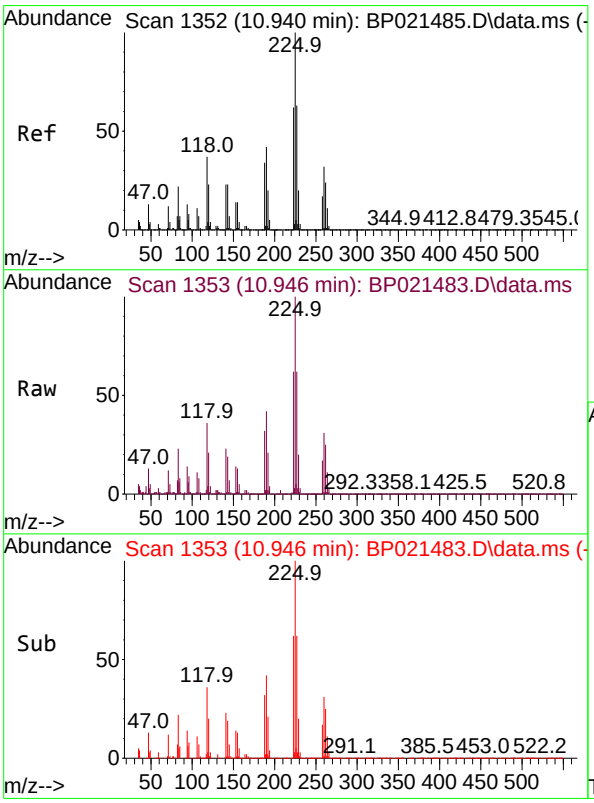
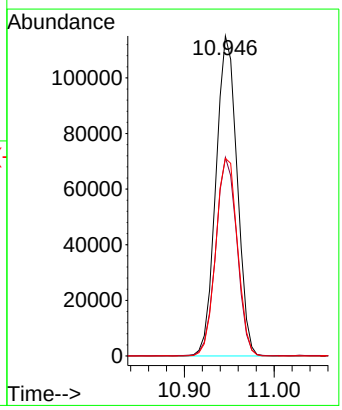
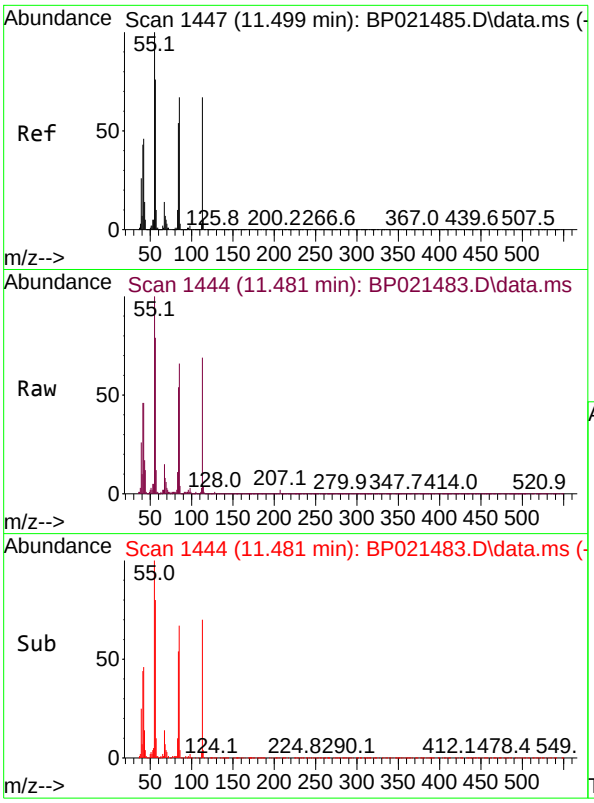


#34
Hexachlorobutadiene
Concen: 9.867 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:225 Resp: 188389

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	61.7	50.1	75.1





#35
Caprolactam
Concen: 10.344 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:113 Resp: 10182

Ion	Ratio	Lower	Upper
113	100		
55	145.6	130.6	170.6
56	114.6	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
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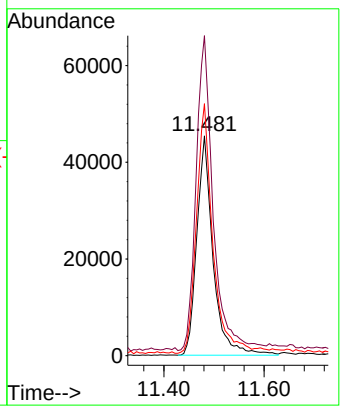
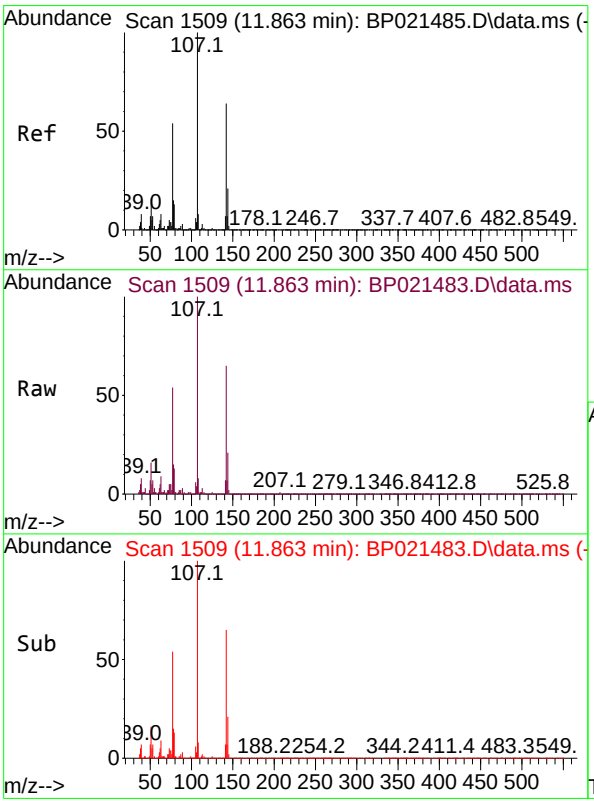
Supervised By :mohammad ahmed 08/14/2024

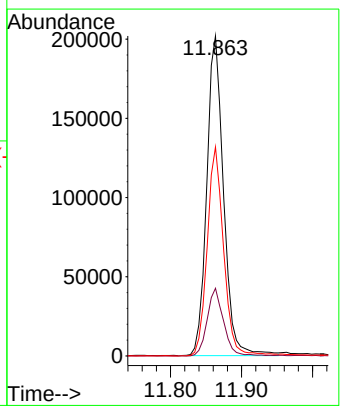


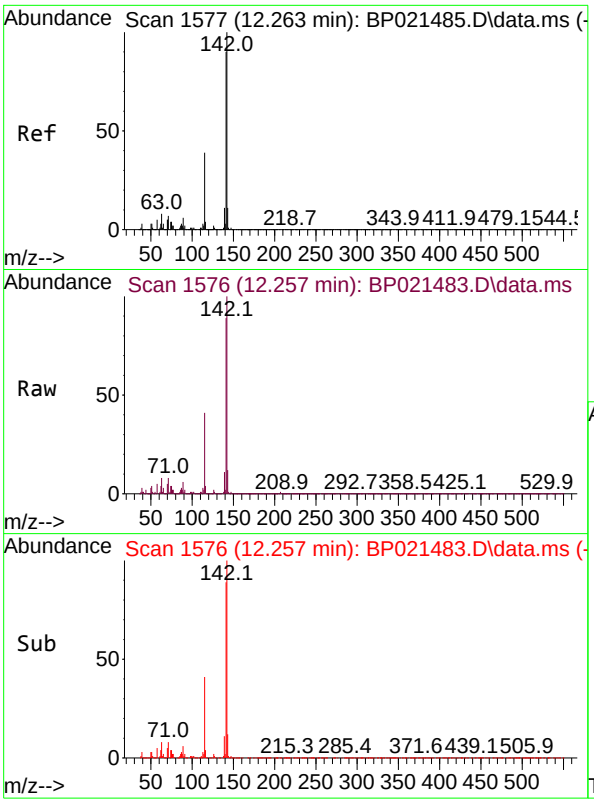


#36
4-Chloro-3-methylphenol
Concen: 10.122 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 332115

Ion	Ratio	Lower	Upper
107	100		
144	21.2	16.6	24.8
142	65.3	51.0	76.4





#37
2-Methylnaphthalene
Concen: 10.407 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 65759

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	40.7	31.4	47.2

Instrument :
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ClientSampleId :
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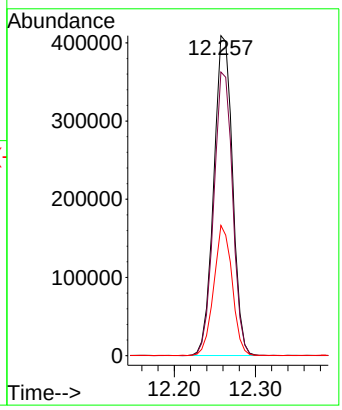
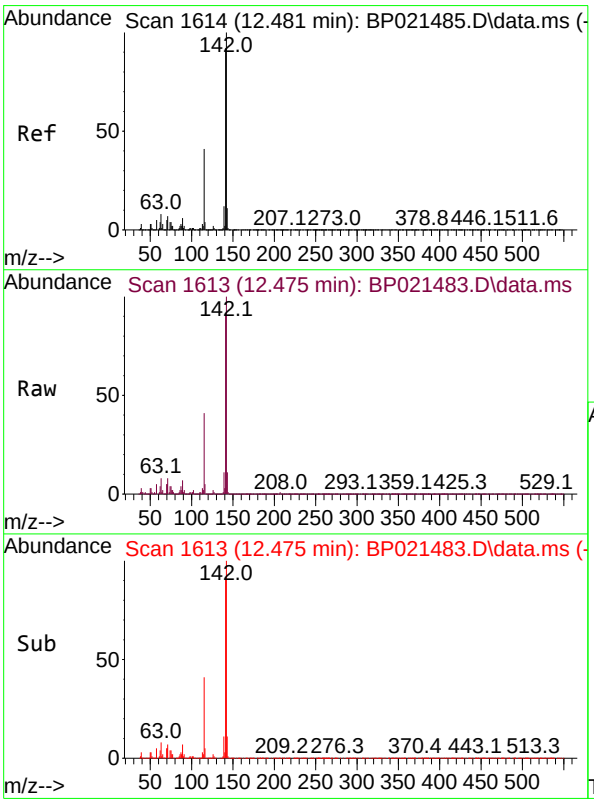
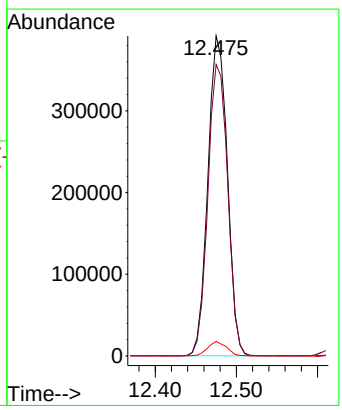


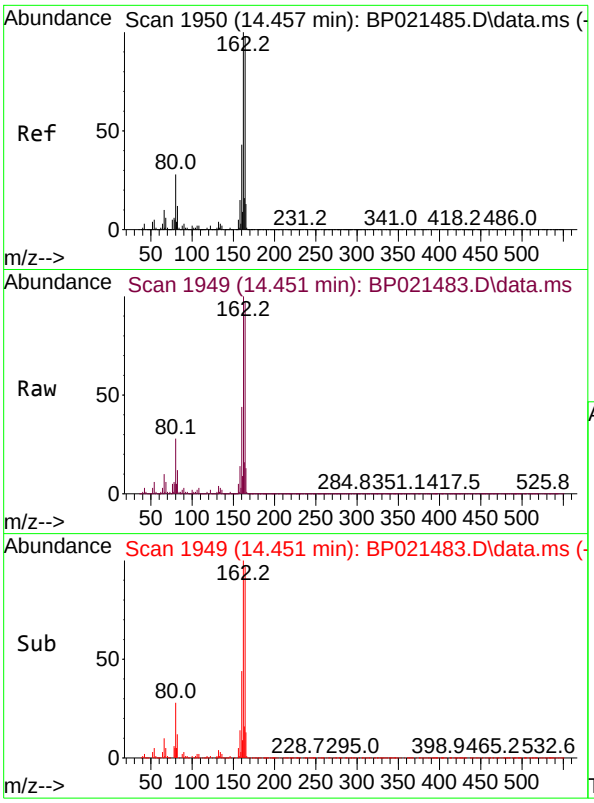


#38
1-Methylnaphthalene
Concen: 10.453 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 651444

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.5	110.3
116	4.5	3.4	5.2

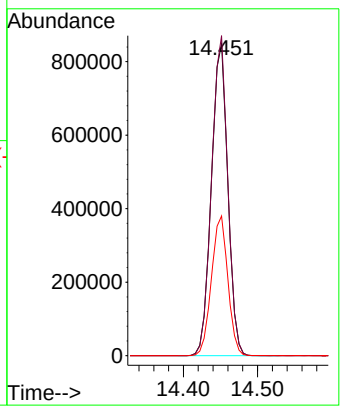




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:164 Resp: 130399

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.5	122.3
160	44.8	35.2	52.8



Instrument :
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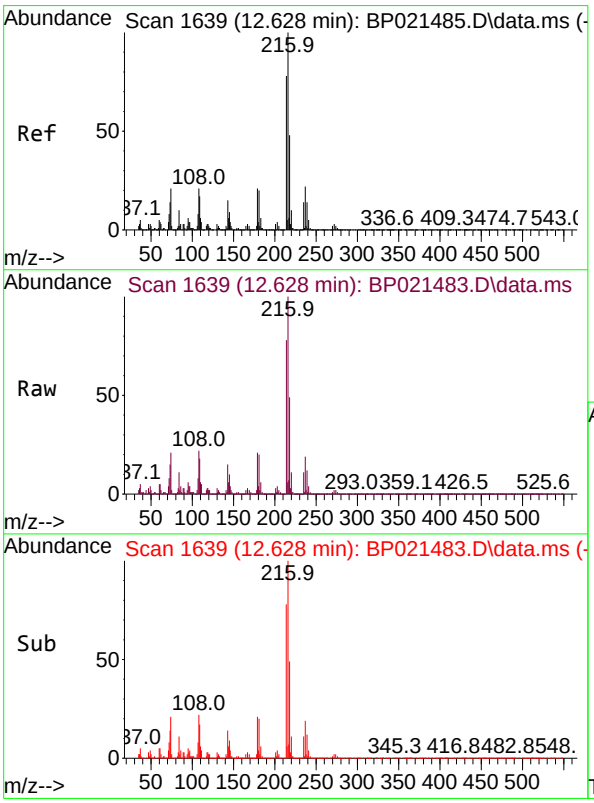
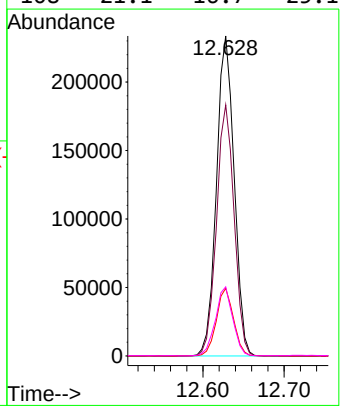
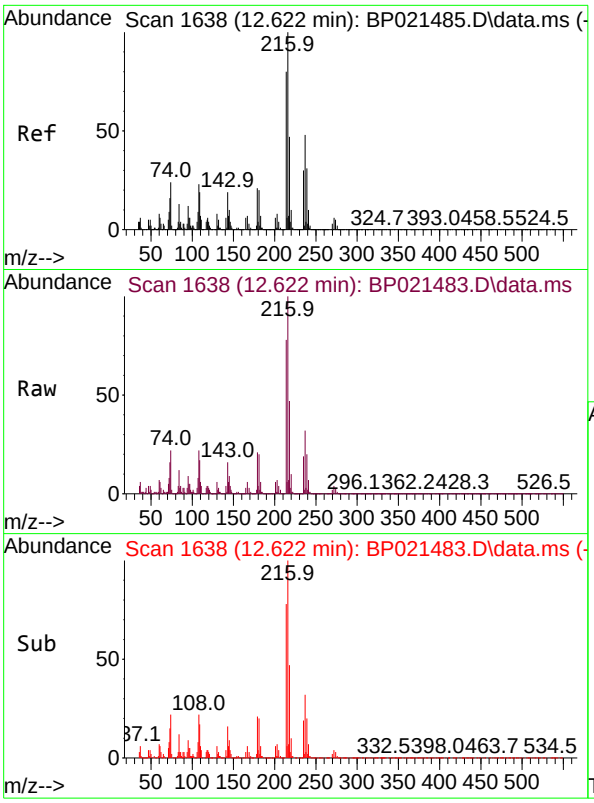


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.274 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:216 Resp: 354329

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.4	16.4	24.6
108	21.1	16.7	25.1

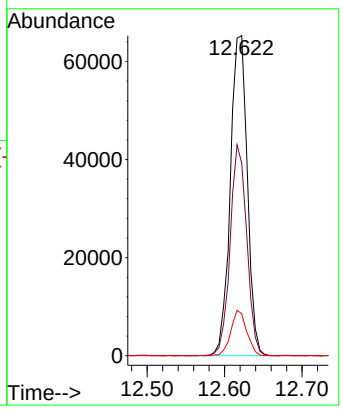




#41
Hexachlorocyclopentadiene
Concen: 8.236 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:237 Resp: 9973

Ion	Ratio	Lower	Upper
237	100		
235	60.1	43.9	83.9
272	13.1	0.0	33.3



Instrument :
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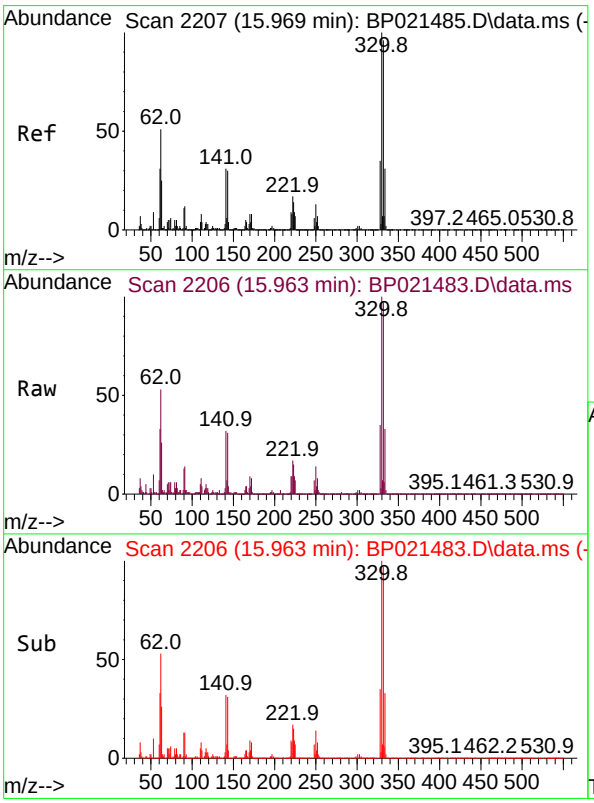
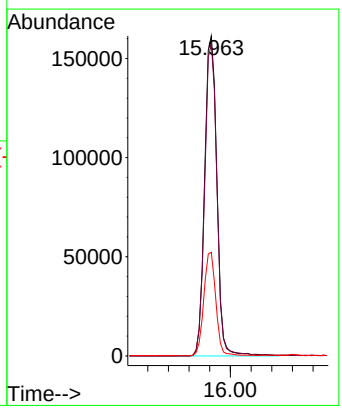
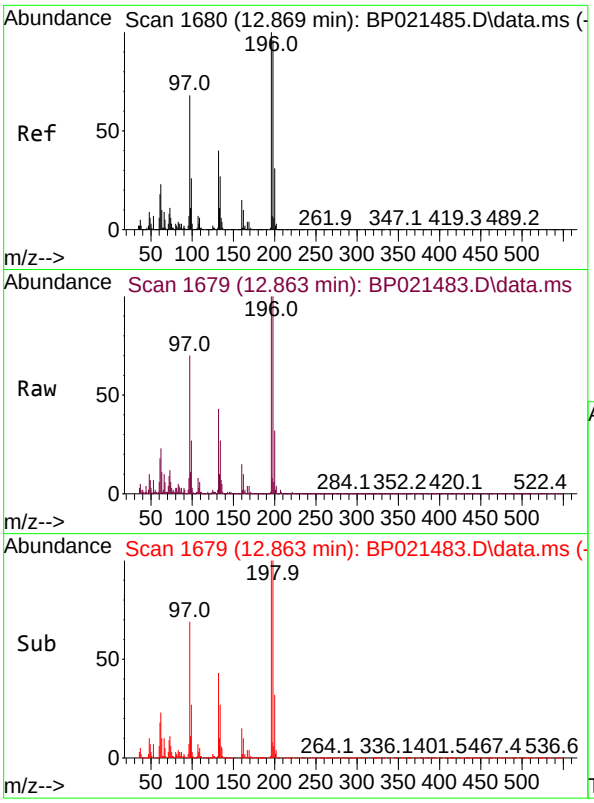


#42
2,4,6-Tribromophenol
Concen: 18.334 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:330 Resp: 266074

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	31.7	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 8.718 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 18503

Ion	Ratio	Lower	Upper
196	100		
198	100.1	76.6	114.8
200	32.5	24.5	36.7

Instrument :
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ClientSampleId :
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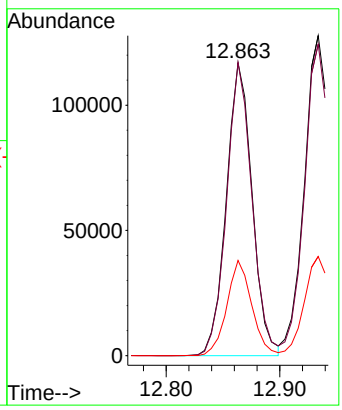
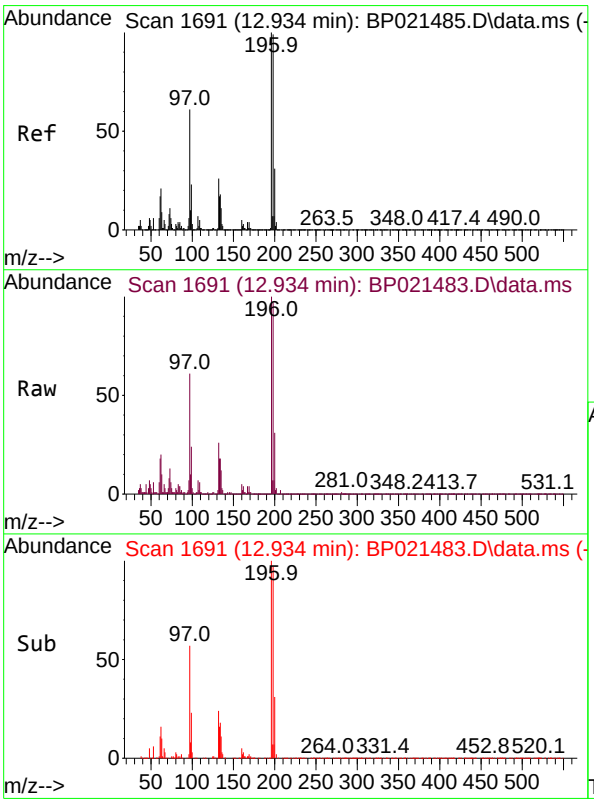
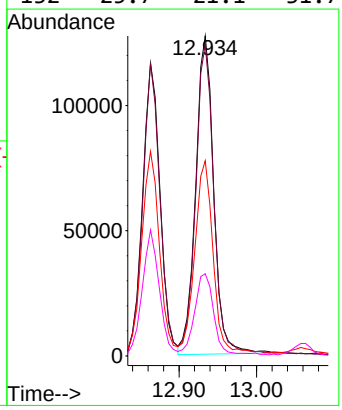


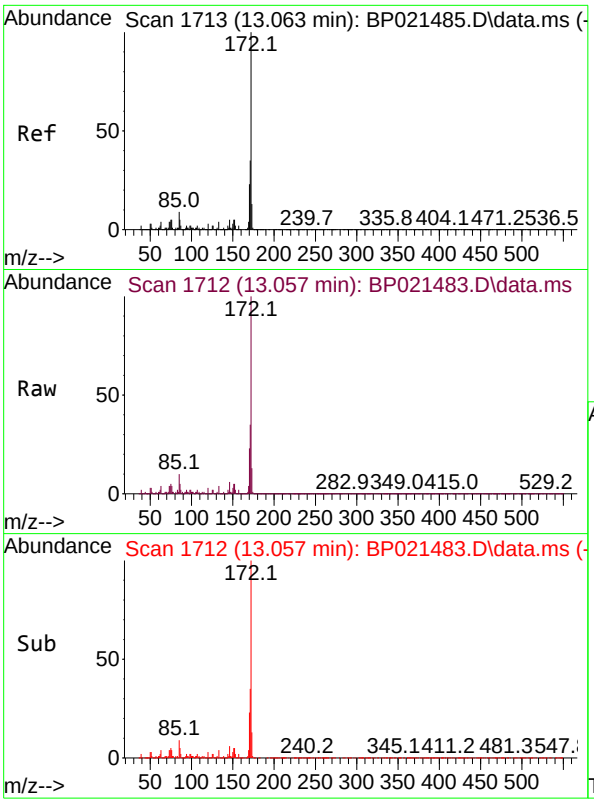


#44
2,4,5-Trichlorophenol
Concen: 8.741 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 206114

Ion	Ratio	Lower	Upper
196	100		
198	97.3	78.9	118.3
97	61.0	49.4	74.0
132	25.7	21.1	31.7

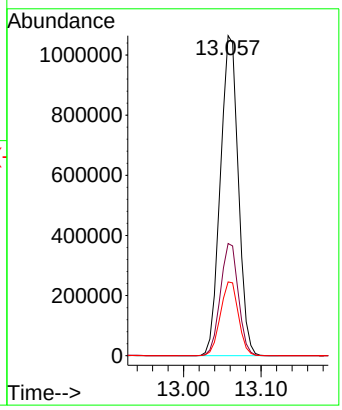




#45
2-Fluorobiphenyl
Concen: 20.051 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:172 Resp: 171323

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.1	18.4	27.6



Instrument :
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ClientSampleId :
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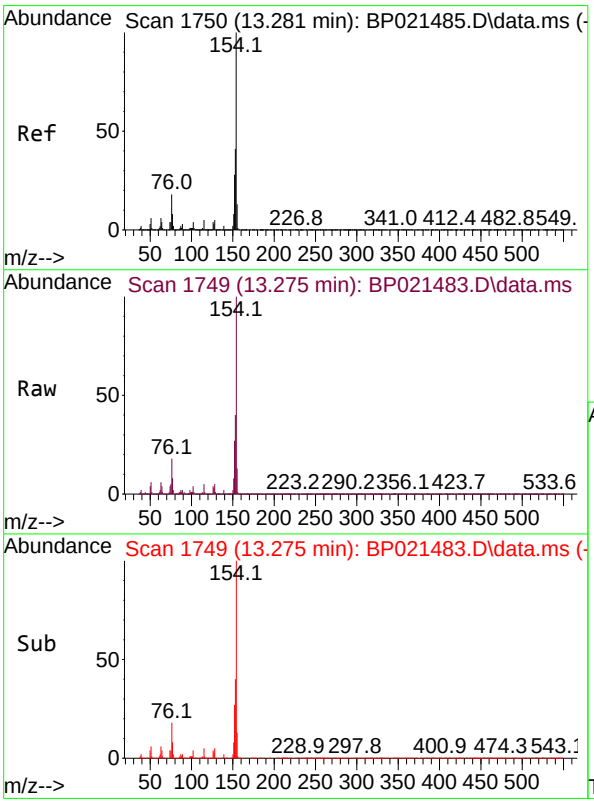
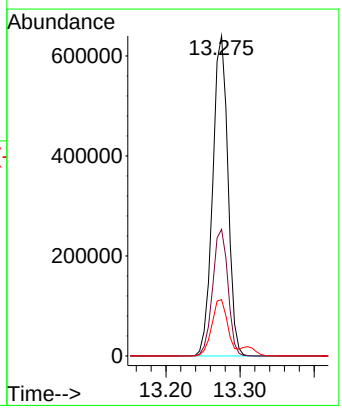
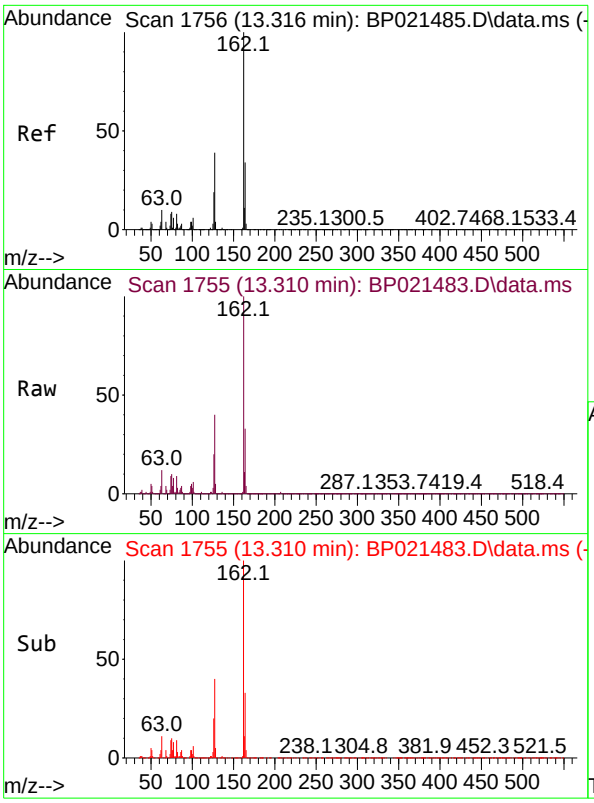


#46
1,1'-Biphenyl
Concen: 9.894 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 912835

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.7	60.7
76	17.6	0.0	37.7

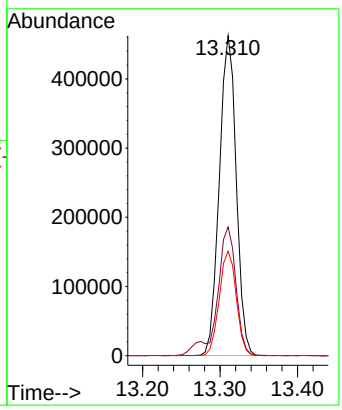




#47
2-Chloronaphthalene
Concen: 9.759 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 70095

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	32.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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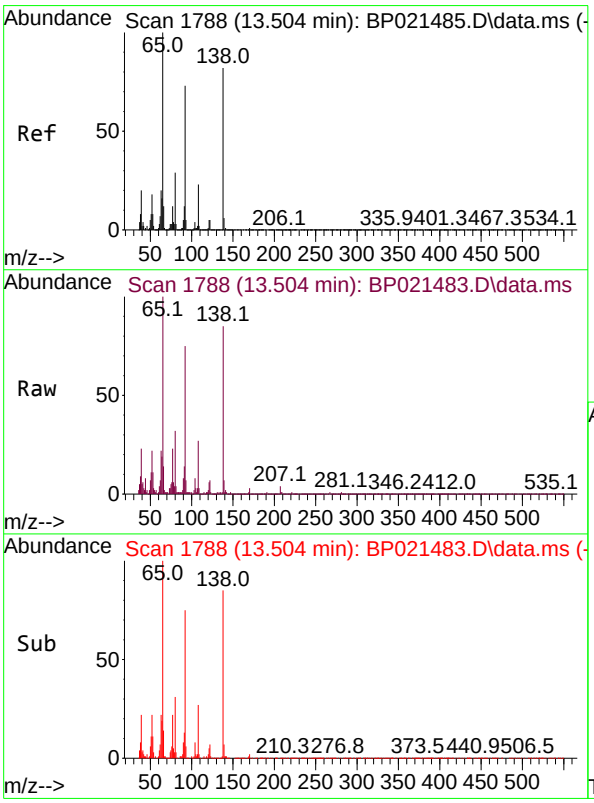
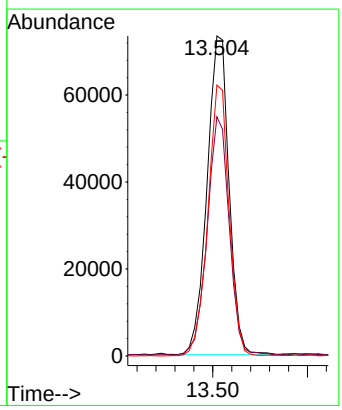
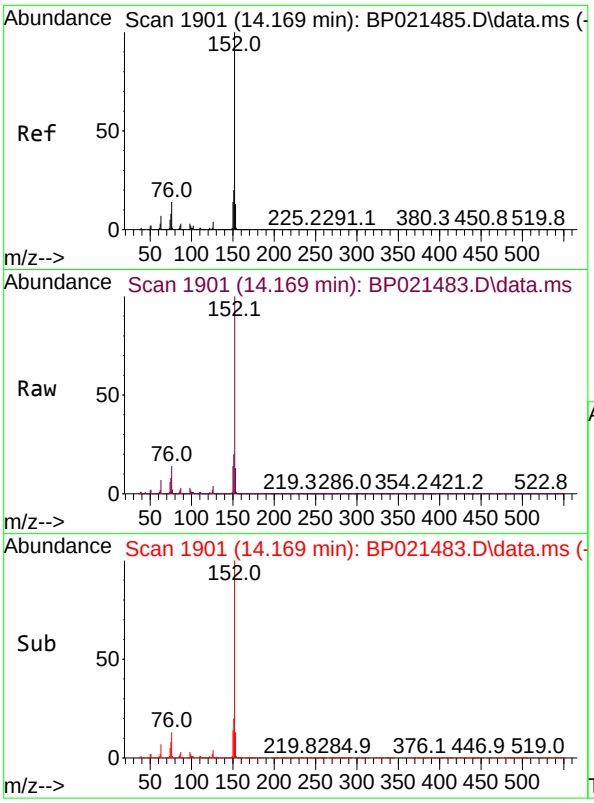


#48
2-Nitroaniline
Concen: 10.374 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 65 Resp: 117865

Ion	Ratio	Lower	Upper
65	100		
92	74.7	58.1	87.1
138	84.7	65.5	98.3





#49
Acenaphthylene
Concen: 9.941 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 104961

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.0	10.6	16.0

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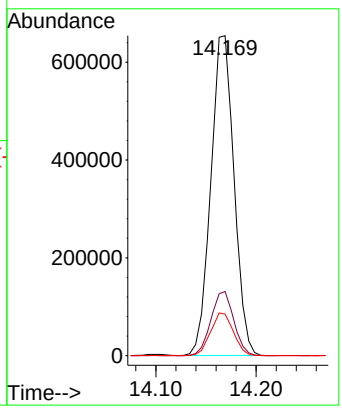
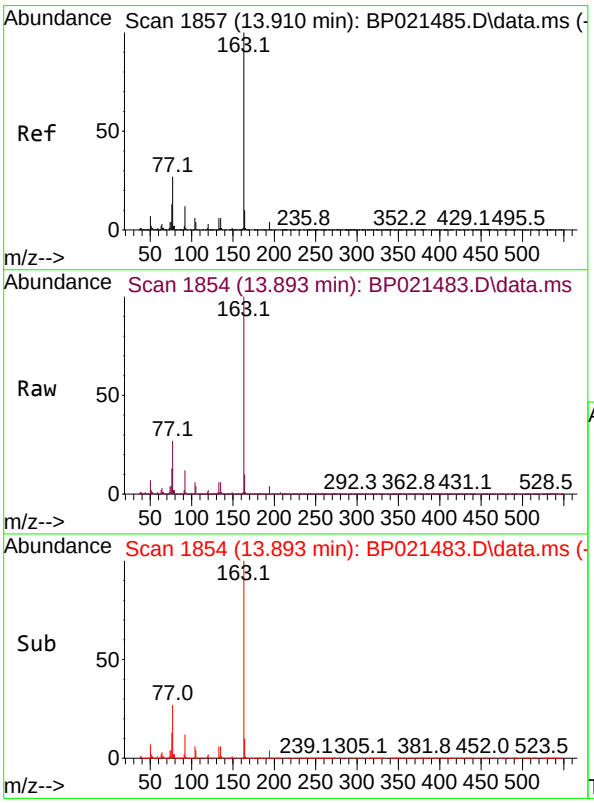
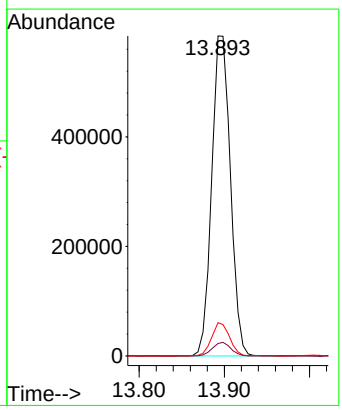


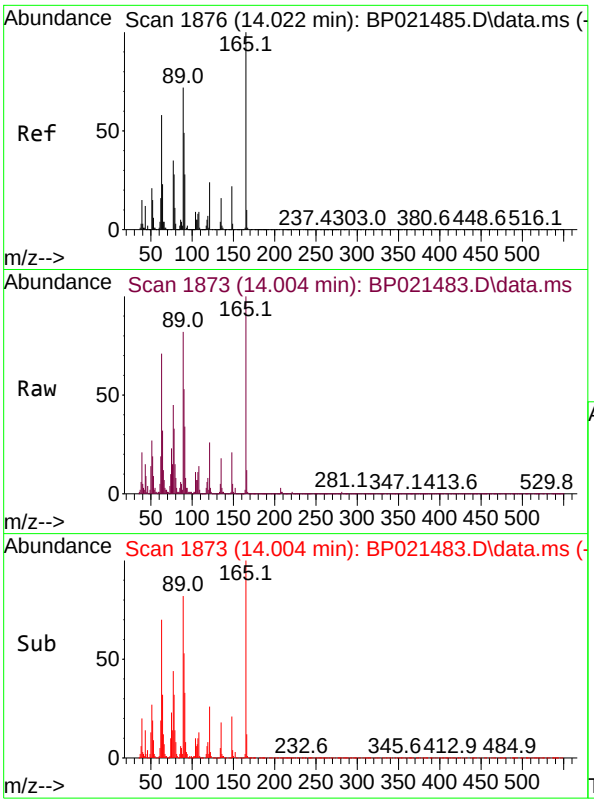


#50
Dimethylphthalate
Concen: 10.190 ng
RT: 13.893 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:163 Resp: 889818

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.4	8.3	12.5

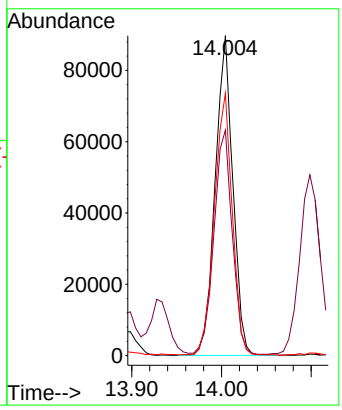




#51
2,6-Dinitrotoluene
Concen: 10.348 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 12223

Ion	Ratio	Lower	Upper
165	100		
63	70.5	51.5	77.3
89	82.1	57.8	86.8



Instrument :
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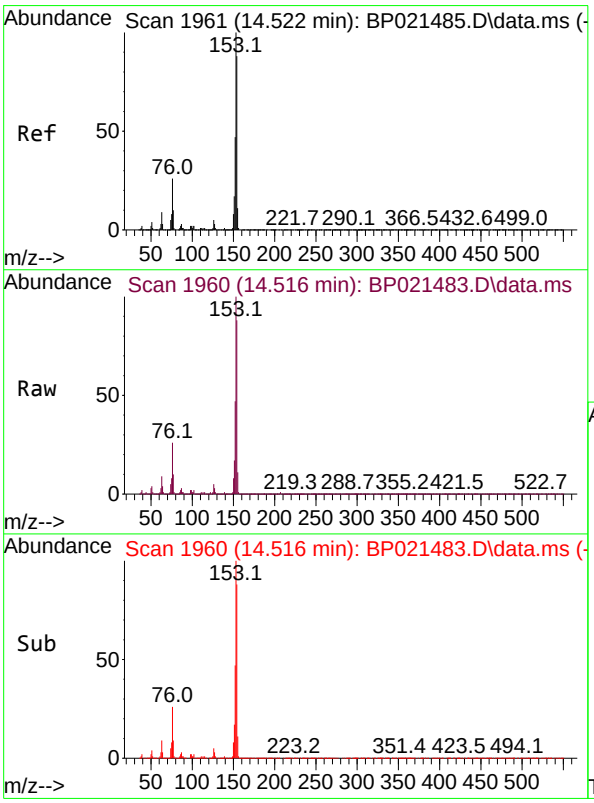
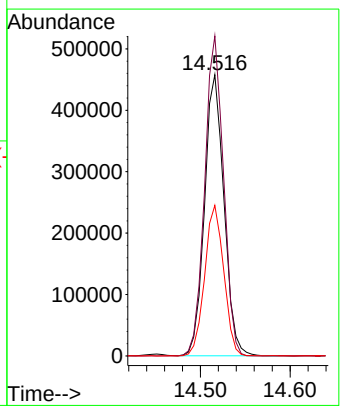
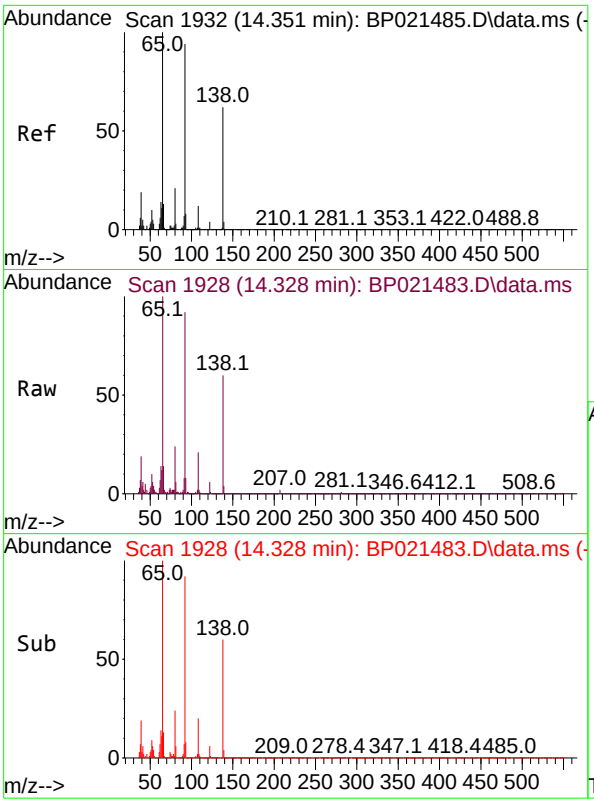


#52
Acenaphthene
Concen: 9.961 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 690129

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.5	43.0	64.4

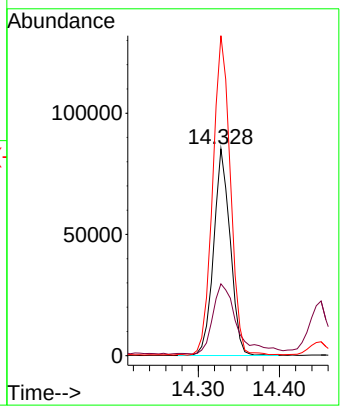




#53
3-Nitroaniline
Concen: 10.365 ng
RT: 14.328 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 12075

Ion	Ratio	Lower	Upper
138	100		
108	34.8	16.2	24.4#
92	154.7	122.2	183.4



Instrument :
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ClientSampleId :
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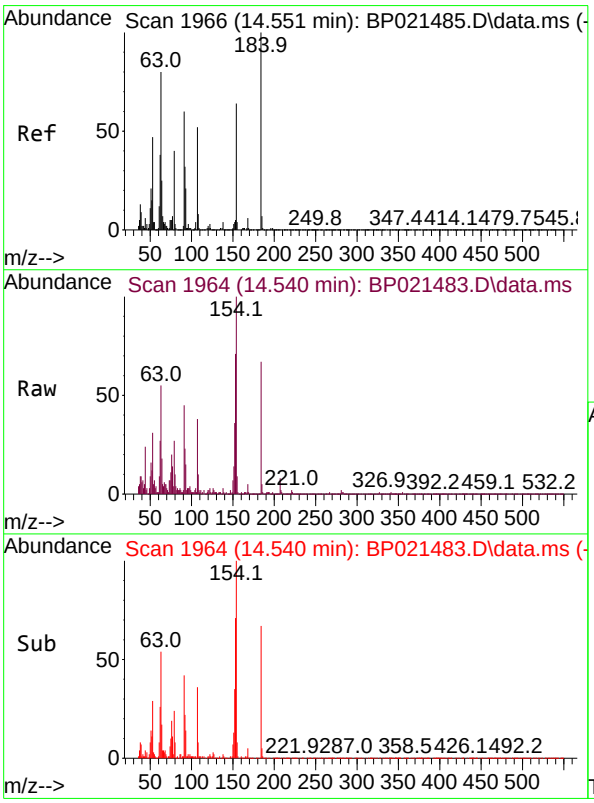
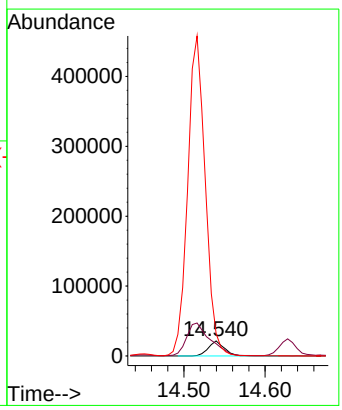
Supervised By :mohammad ahmed 08/14/2024

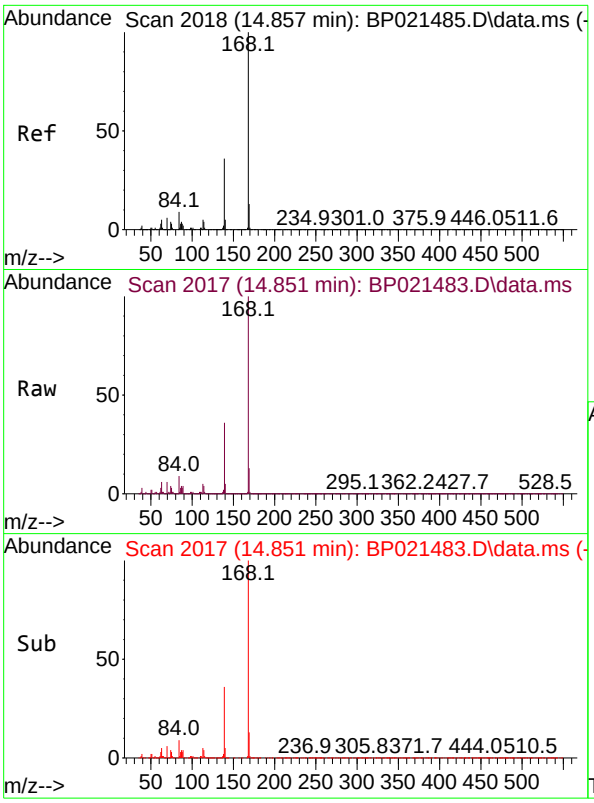


#54
2,4-Dinitrophenol
Concen: 10.721 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 29452

Ion	Ratio	Lower	Upper
184	100		
63	81.7	64.9	97.3
154	149.0	52.1	78.1#

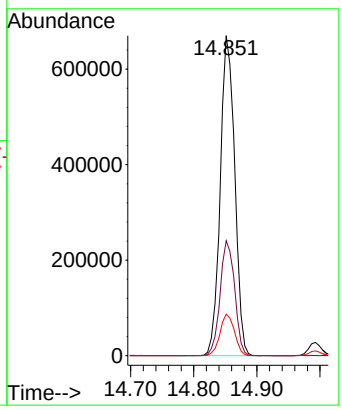




#55
Dibenzofuran
Concen: 10.016 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:168 Resp: 106743

Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.6	43.0
169	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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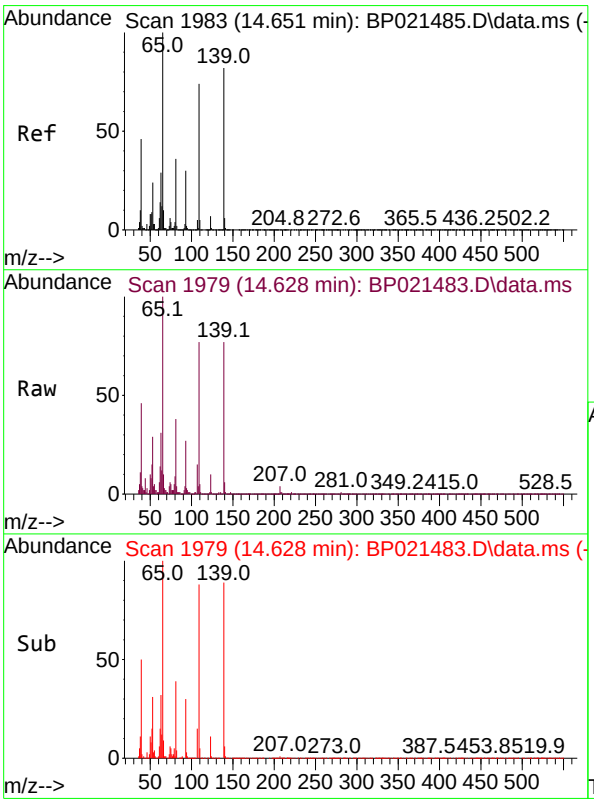
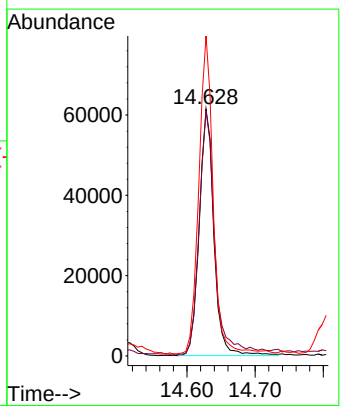
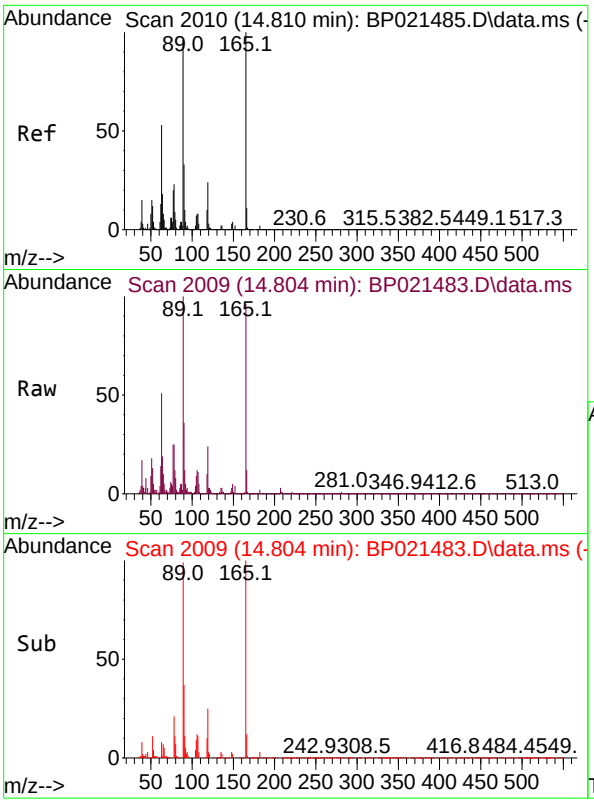


#56
4-Nitrophenol
Concen: 11.027 ng
RT: 14.628 min Scan# 1979
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 91997

Ion	Ratio	Lower	Upper
139	100		
109	99.2	70.2	110.2
65	129.6	101.8	141.8

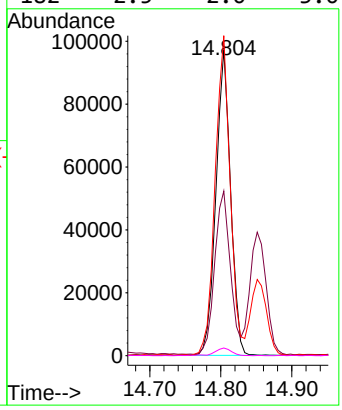




#57
2,4-Dinitrotoluene
Concen: 10.586 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 13924

Ion	Ratio	Lower	Upper
165	100		
63	53.8	42.5	63.7
89	104.6	77.1	115.7
182	2.5	2.0	3.0



Instrument :
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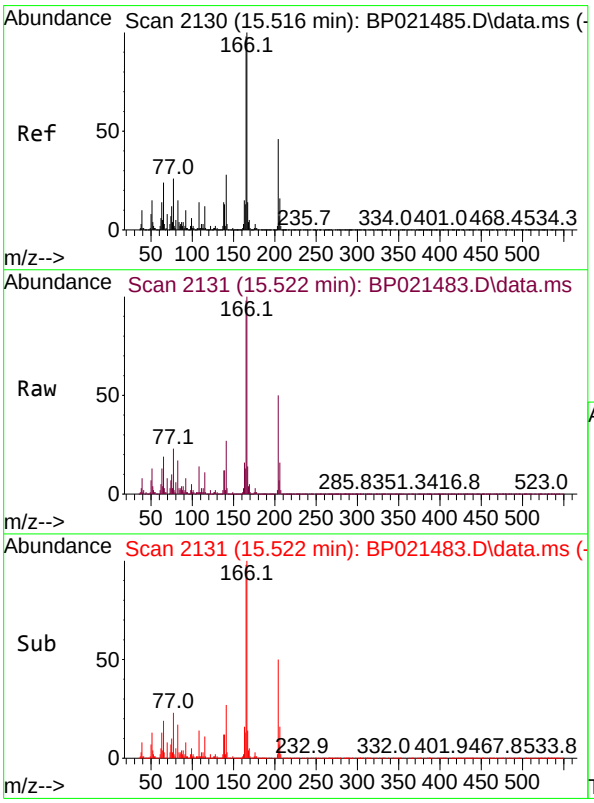
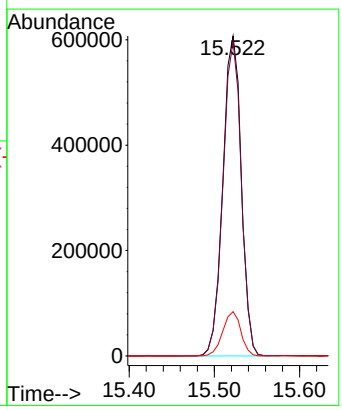
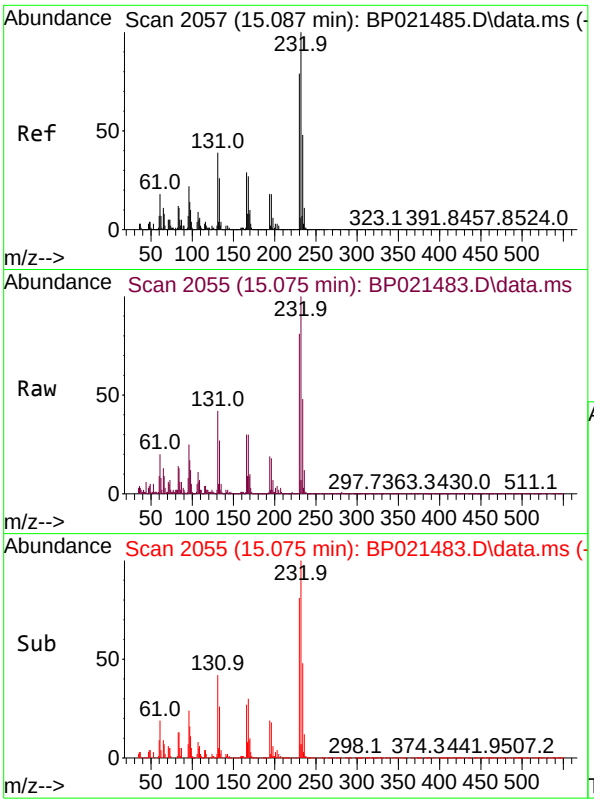


#58
Fluorene
Concen: 10.425 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:166 Resp: 912792

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.9	11.0	16.4

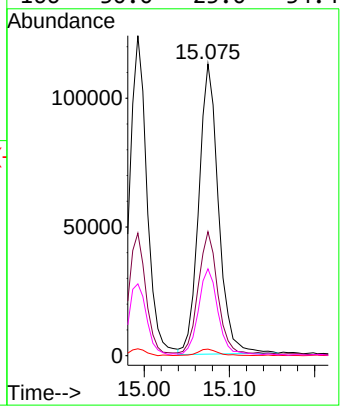




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.055 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:232 Resp: 18123

Ion	Ratio	Lower	Upper
232	100		
131	40.9	33.1	49.7
130	2.3	1.7	2.5
166	30.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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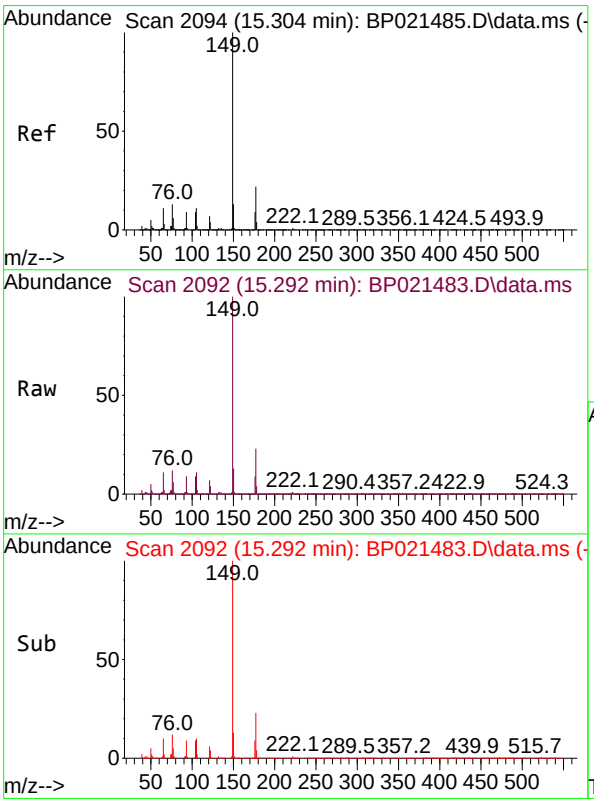
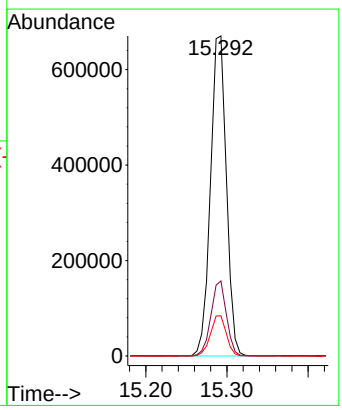
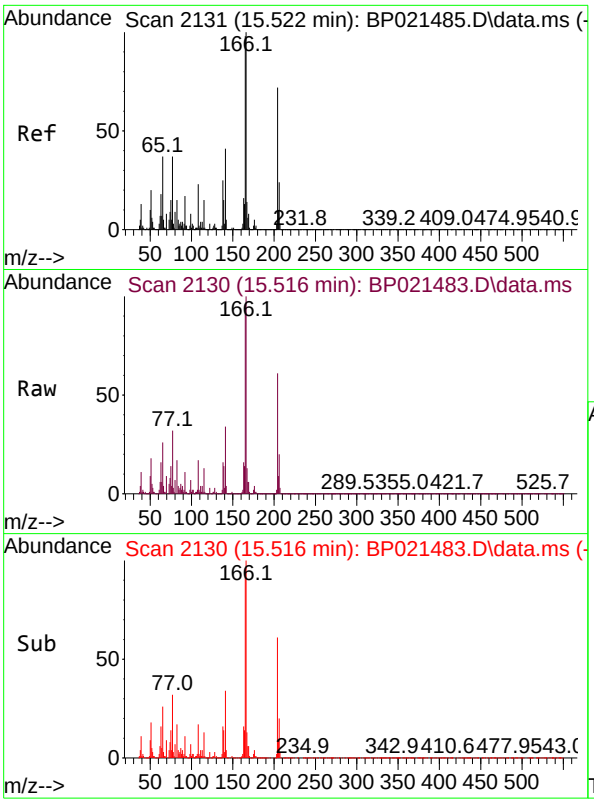


#60
Diethylphthalate
Concen: 10.148 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 909304

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.8	26.8
150	12.6	10.1	15.1

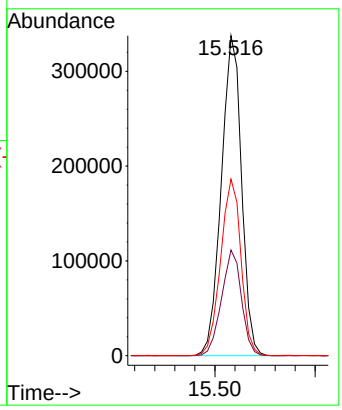




#61
4-Chlorophenyl-phenylether
Concen: 10.426 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:204 Resp: 47186

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	55.2	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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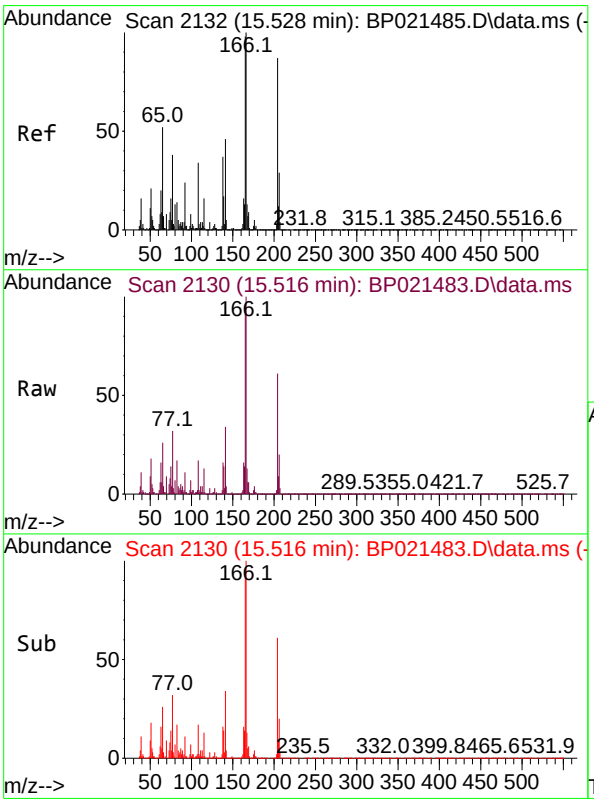
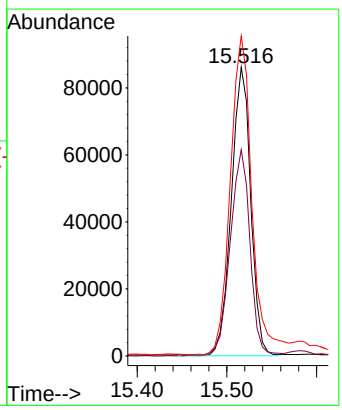
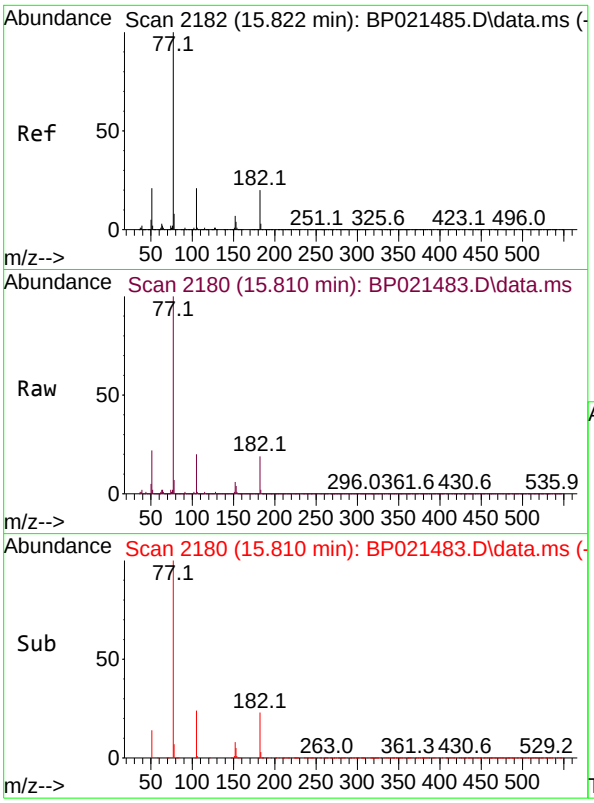


#62
4-Nitroaniline
Concen: 9.743 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 129100

Ion	Ratio	Lower	Upper
138	100		
92	71.5	46.4	86.4
108	110.9	73.2	113.2





#63
Azobenzene
Concen: 10.529 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 115964

Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	20.0	0.9	40.9
51	21.6	1.4	41.4

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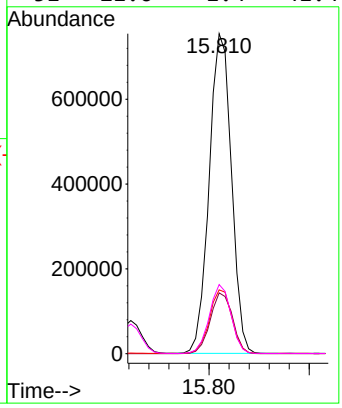
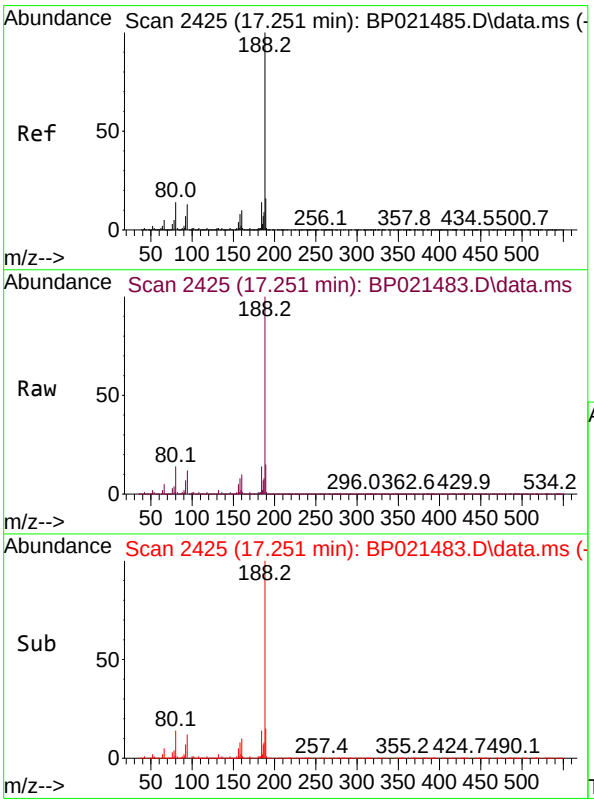
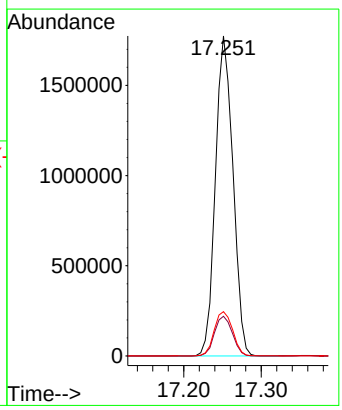


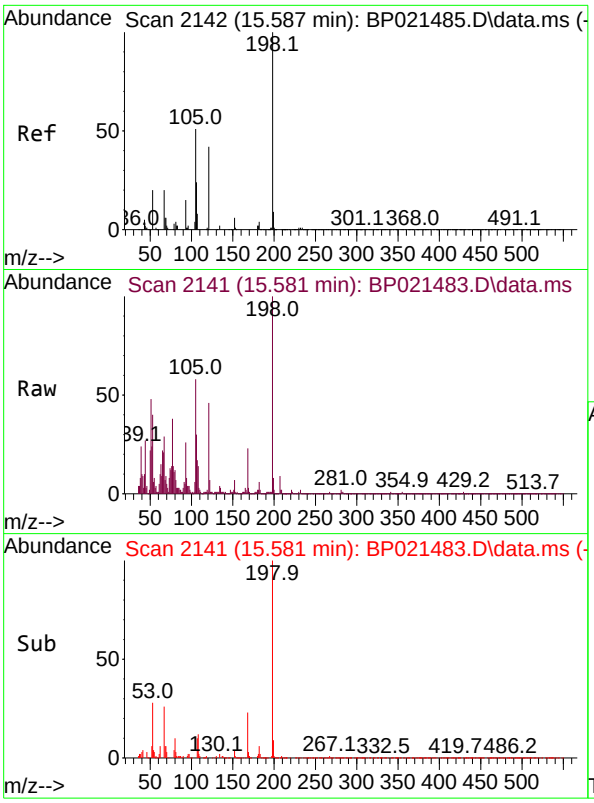


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:188 Resp: 2799153

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.9	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 11.022 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:198 Resp: 4407

Ion	Ratio	Lower	Upper
198	100		
51	47.9	21.5	61.5
105	58.2	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
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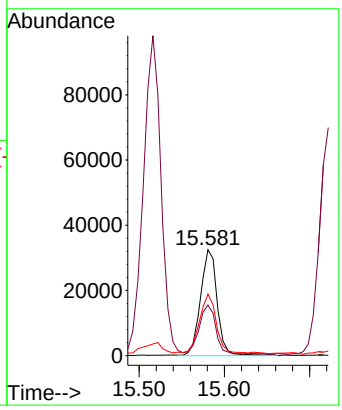
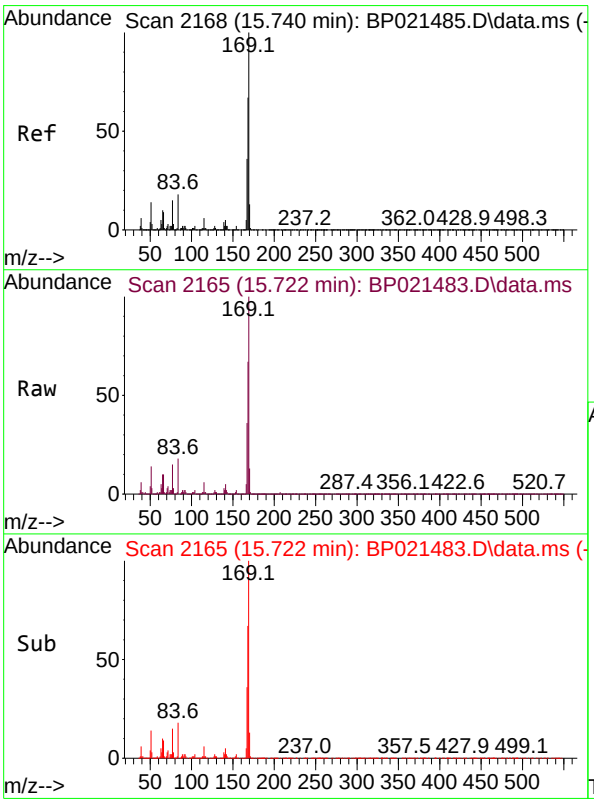
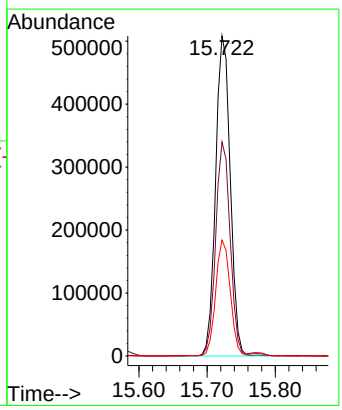


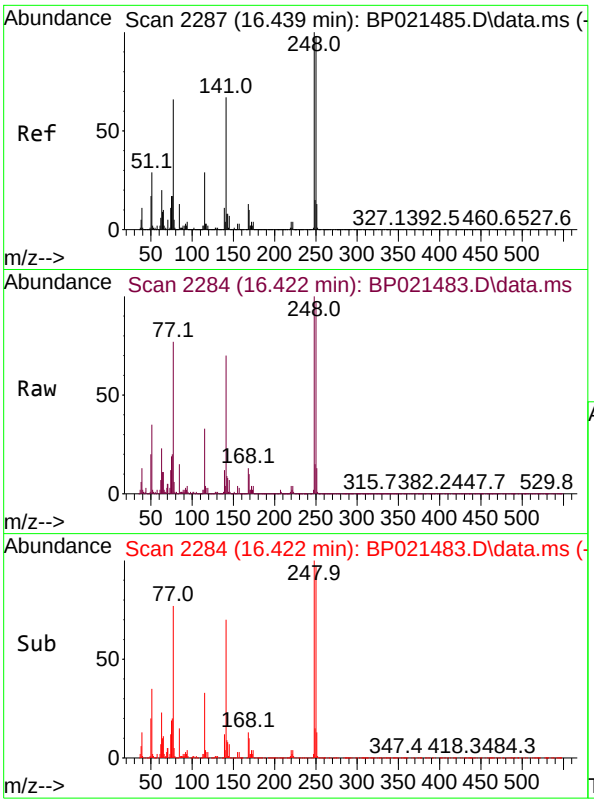


#66
n-Nitrosodiphenylamine
Concen: 10.103 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:169 Resp: 757847

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.2	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 9.906 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:248 Resp: 29346

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	69.6	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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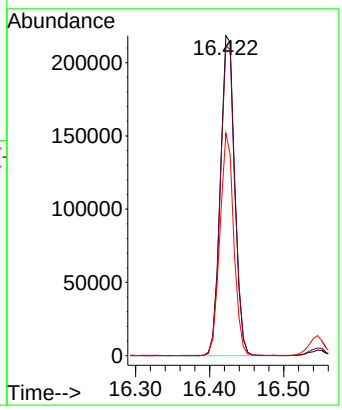
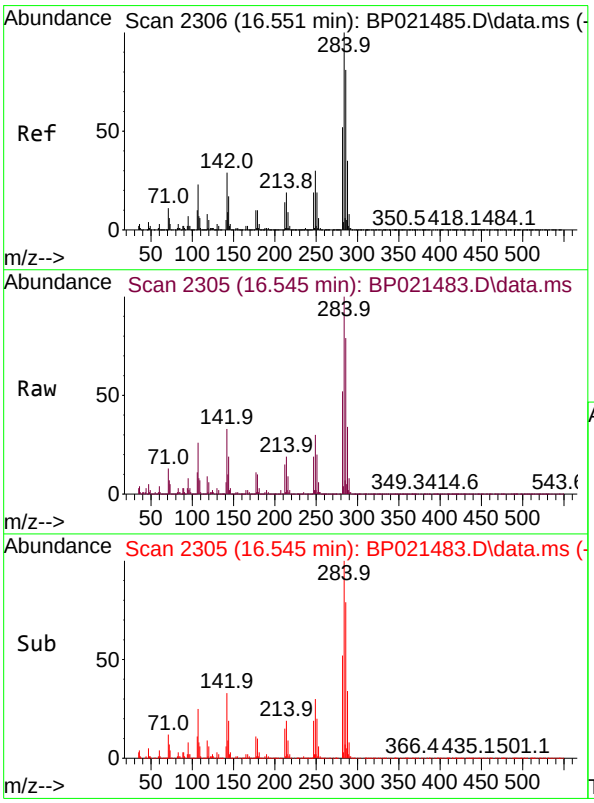
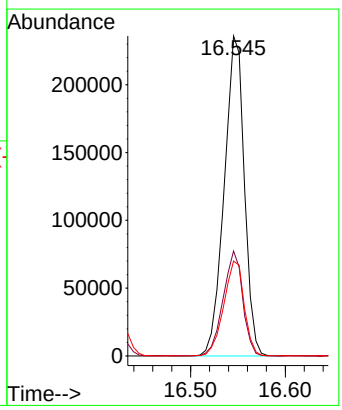


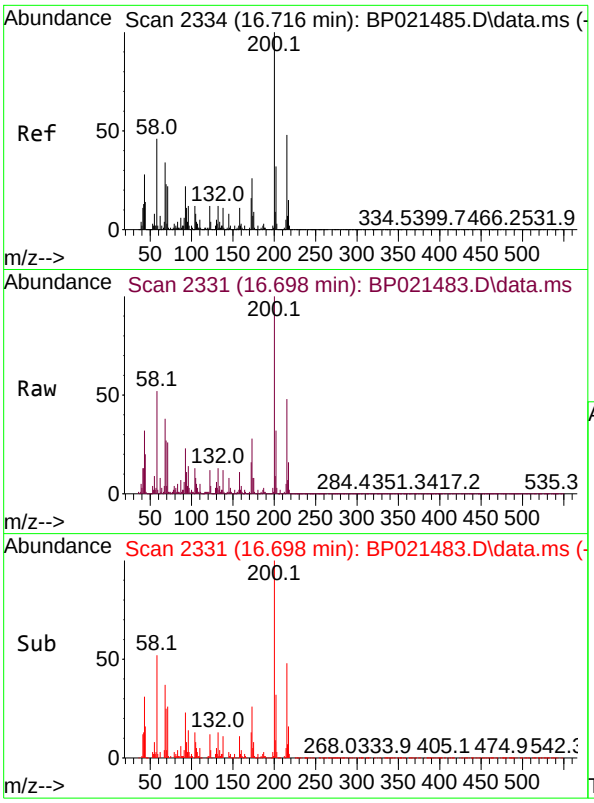


#68
Hexachlorobenzene
Concen: 9.938 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:284 Resp: 347933

Ion	Ratio	Lower	Upper
284	100		
142	32.8	23.4	35.2
249	29.7	24.1	36.1

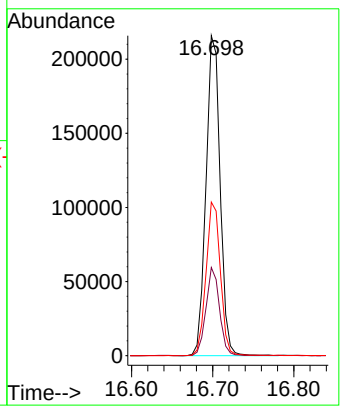




#69
Atrazine
Concen: 10.106 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:200 Resp: 26027

Ion	Ratio	Lower	Upper
200	100		
173	27.5	6.2	46.2
215	48.0	28.4	68.4



Instrument :
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ClientSampleId :
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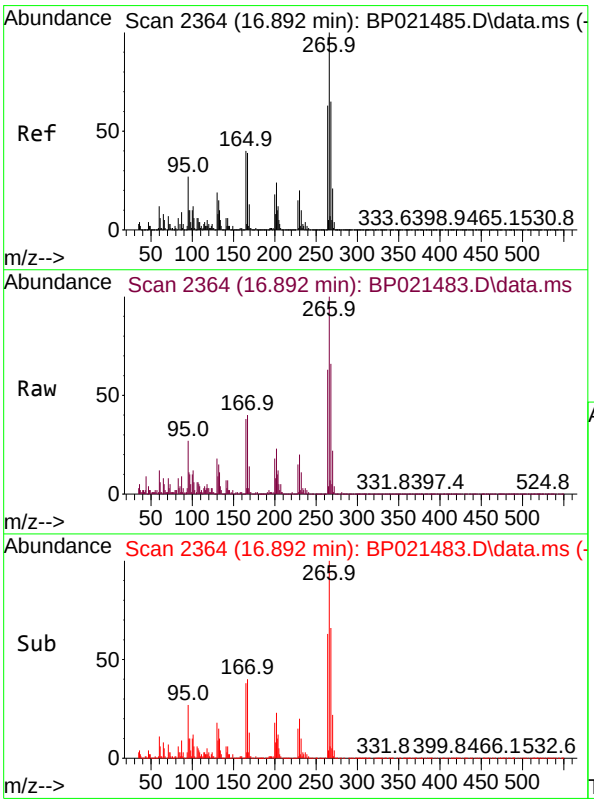
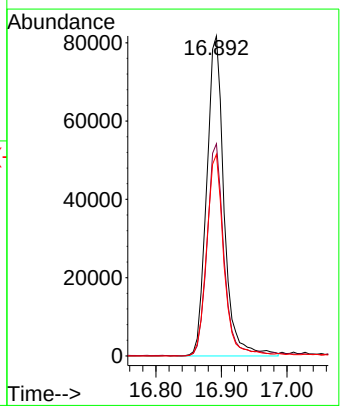
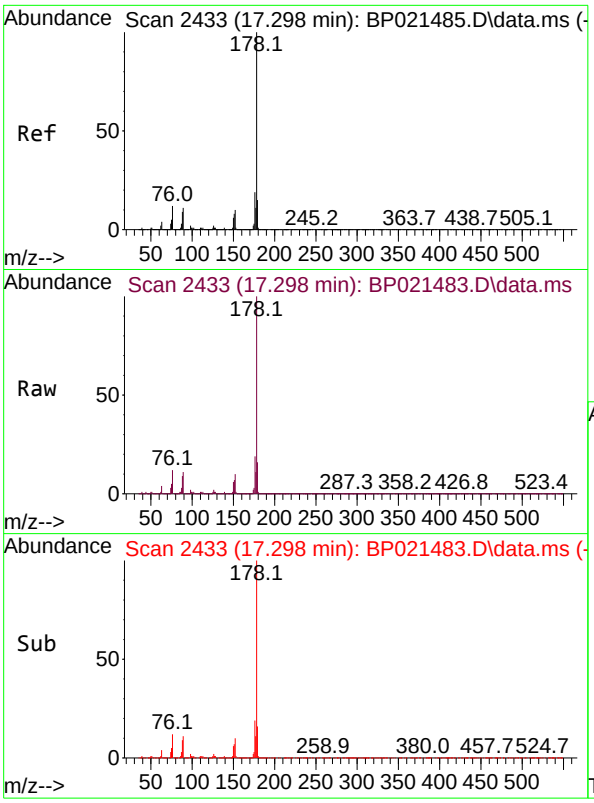


#70
Pentachlorophenol
Concen: 7.877 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:266 Resp: 150520

Ion	Ratio	Lower	Upper
266	100		
268	66.3	51.8	77.6
264	63.0	50.5	75.7

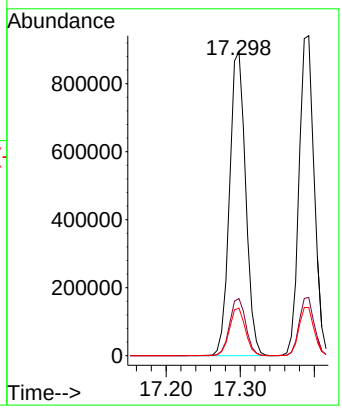




#71
Phenanthrene
Concen: 10.017 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 134841

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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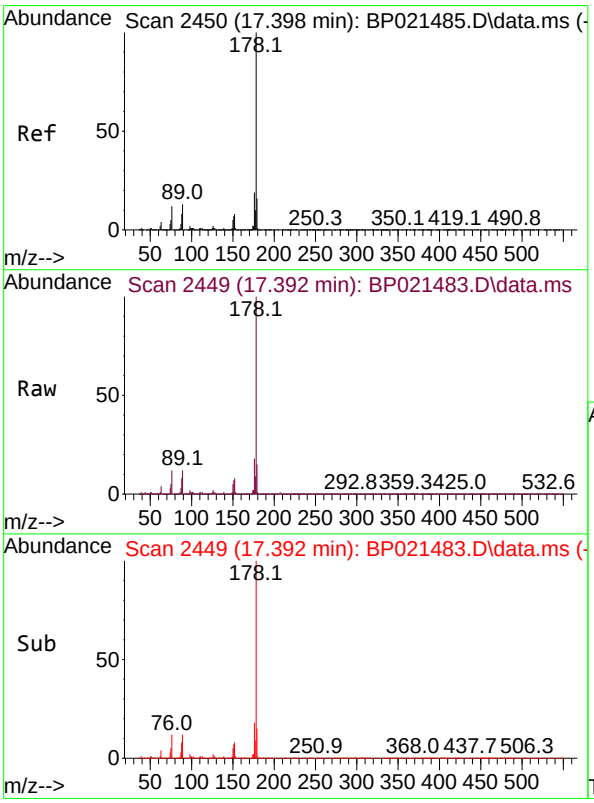
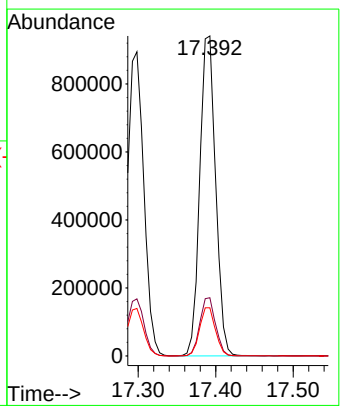
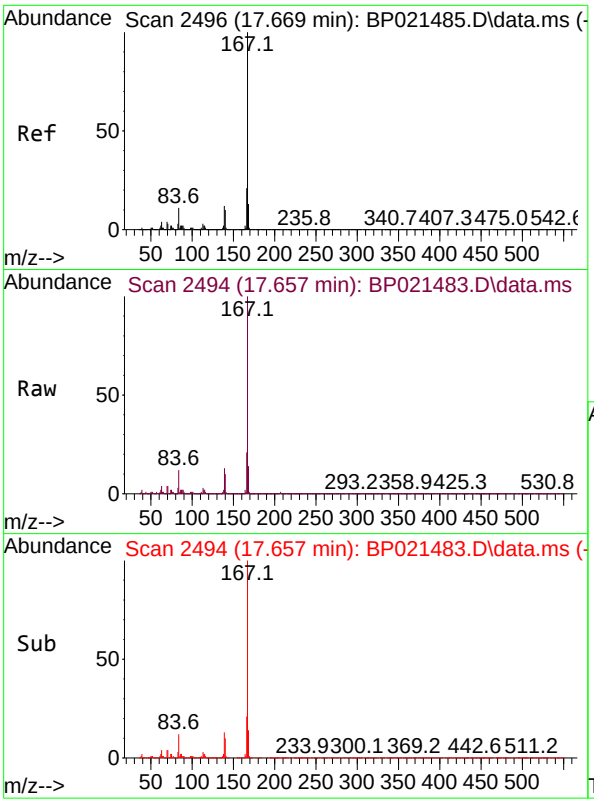


#72
Anthracene
Concen: 10.123 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 1336422

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.0	12.5	18.7

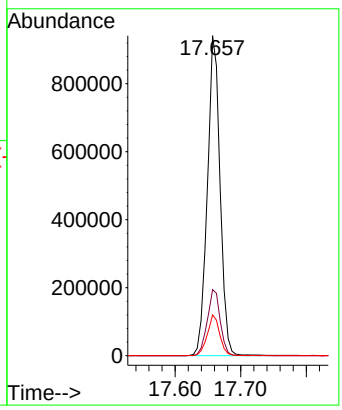




#73
Carbazole
Concen: 9.966 ng
RT: 17.657 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:167 Resp: 126796

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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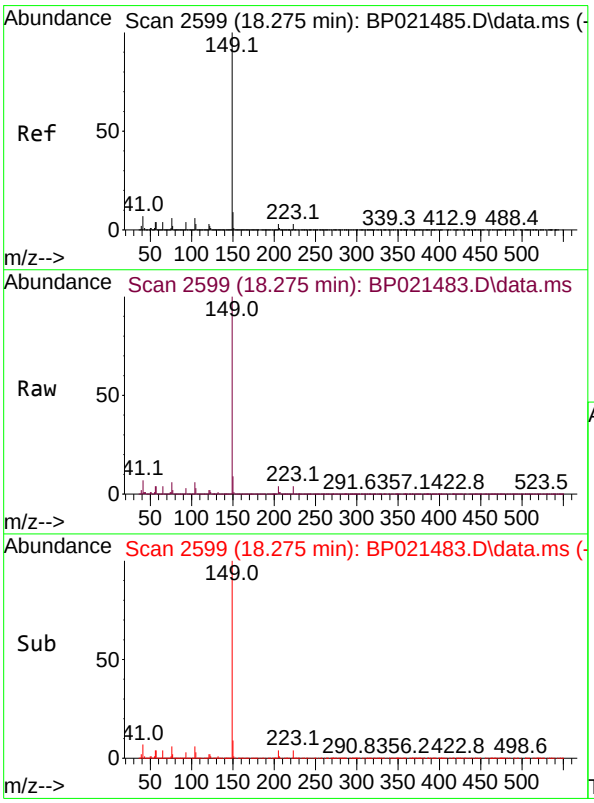
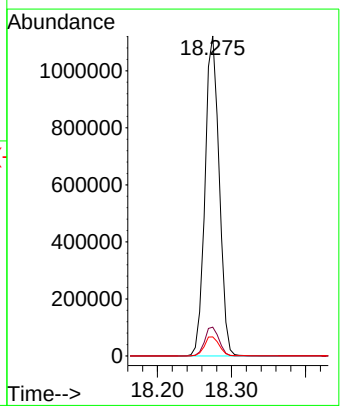
Supervised By :mohammad ahmed 08/14/2024

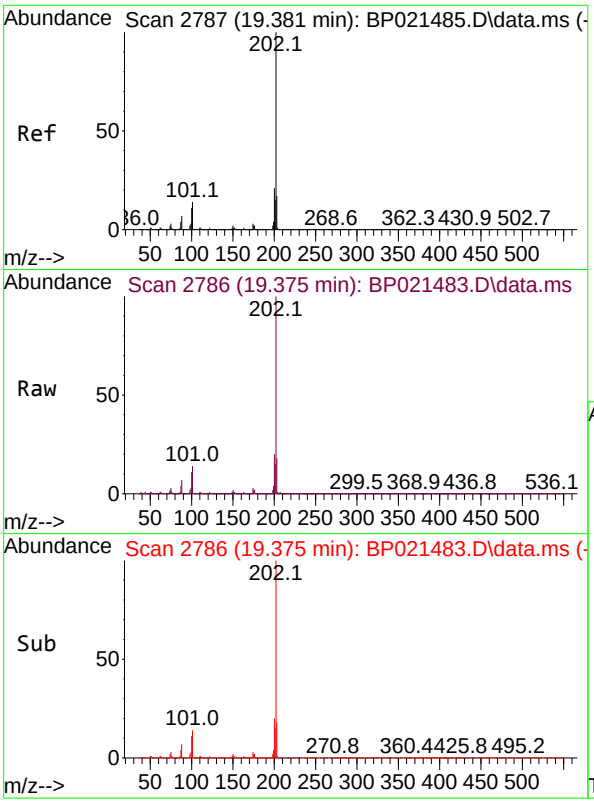


#74
Di-n-butylphthalate
Concen: 9.539 ng
RT: 18.275 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 1490471

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	6.0	4.9	7.3

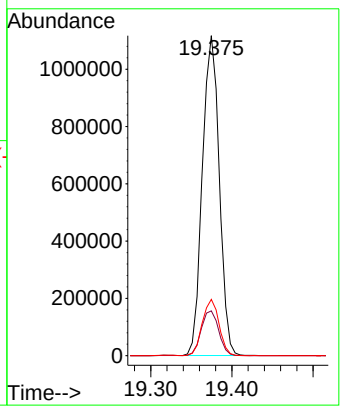




#75
Fluoranthene
Concen: 9.769 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 161350

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.6	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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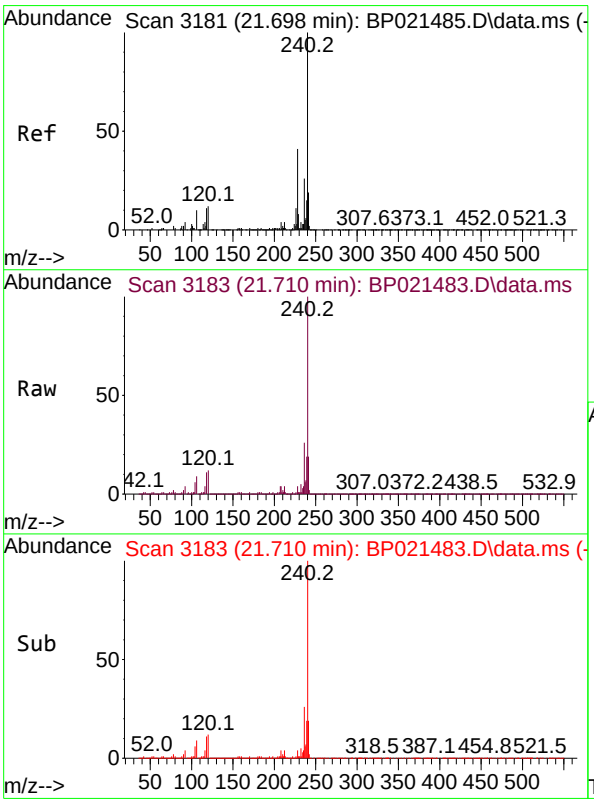
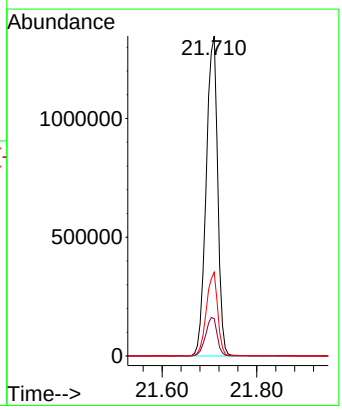
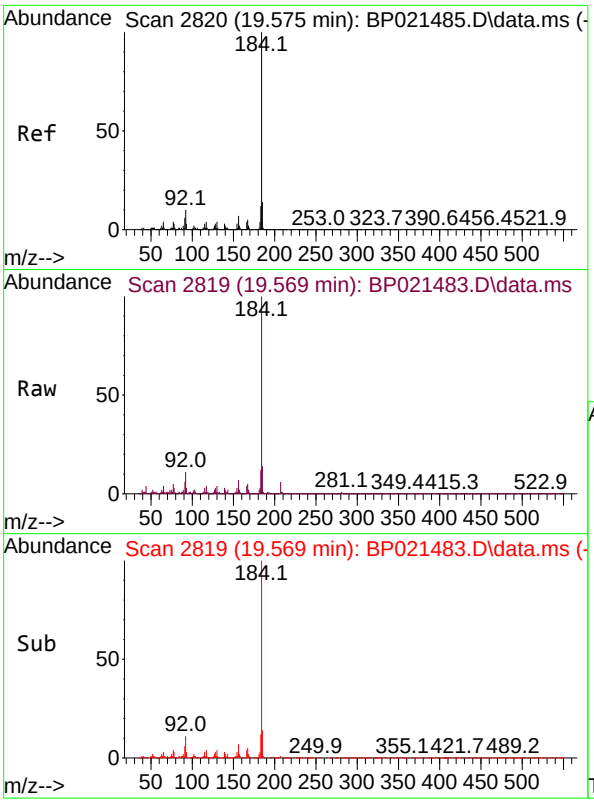


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:240 Resp: 2268651

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	26.2	20.6	30.8

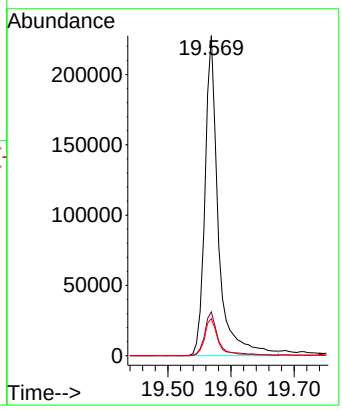




#77
Benzidine
Concen: 9.509 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 33659

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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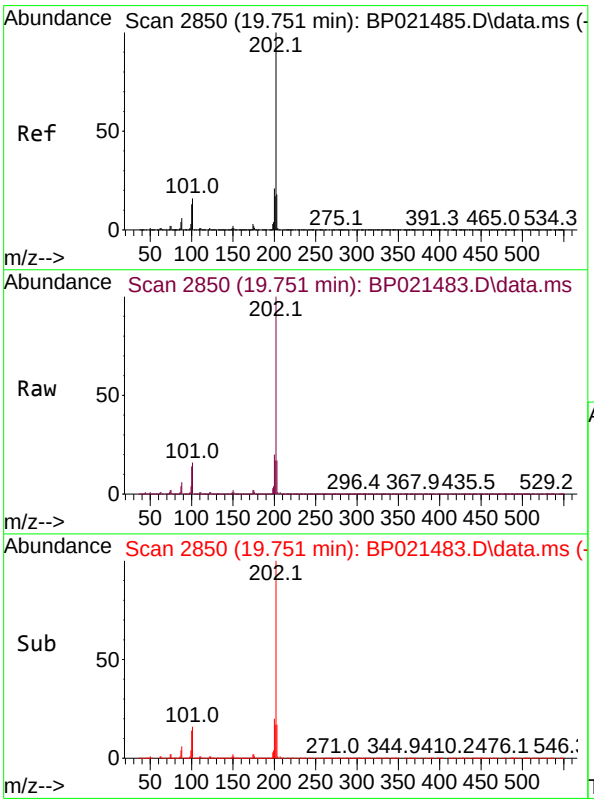
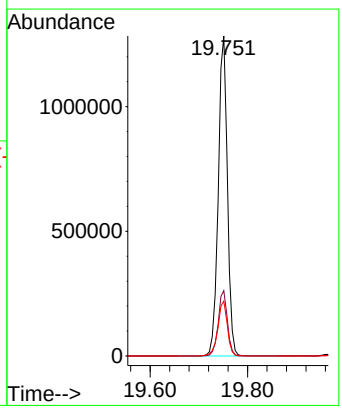
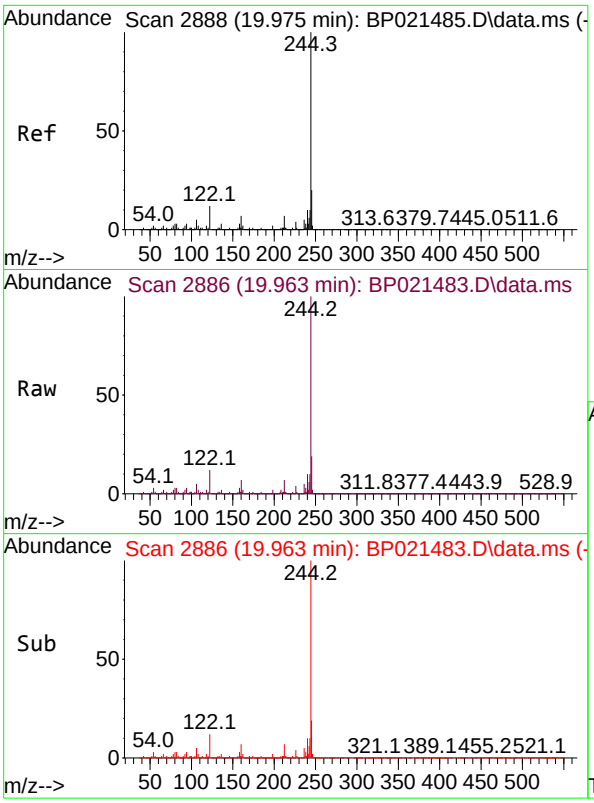


#78
Pyrene
Concen: 11.243 ng
RT: 19.751 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 1667213

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	17.1	14.1	21.1

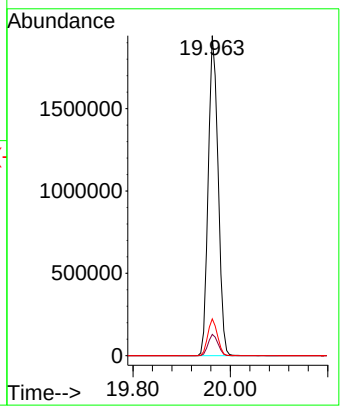




#79
Terphenyl-d14
Concen: 23.235 ng
RT: 19.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:244 Resp: 271331

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.5	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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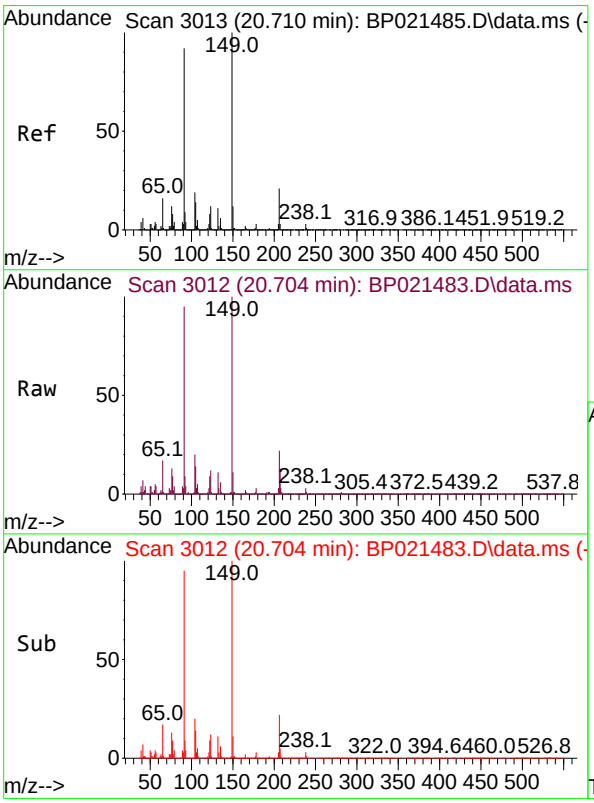
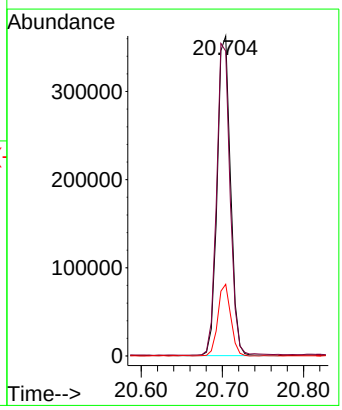
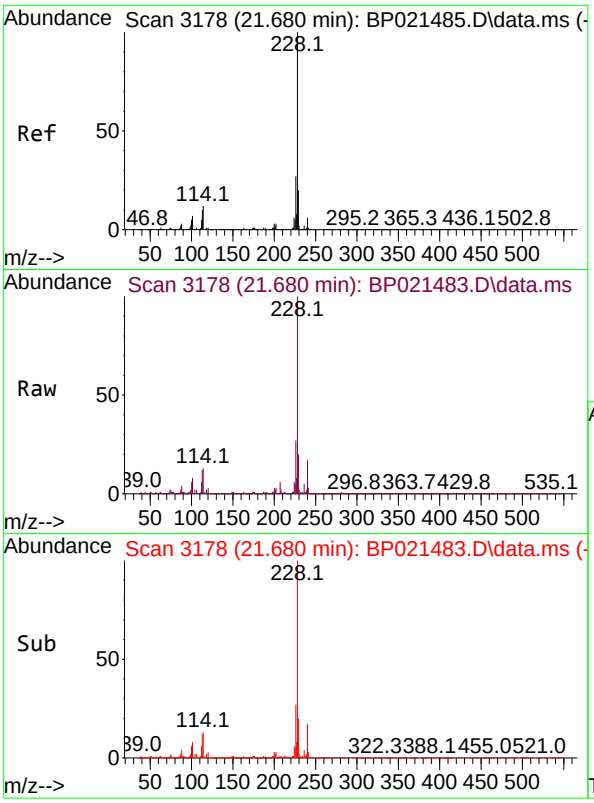


#80
Butylbenzylphthalate
Concen: 10.409 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 414136

Ion	Ratio	Lower	Upper
149	100		
91	95.2	73.3	109.9
206	22.4	17.1	25.7

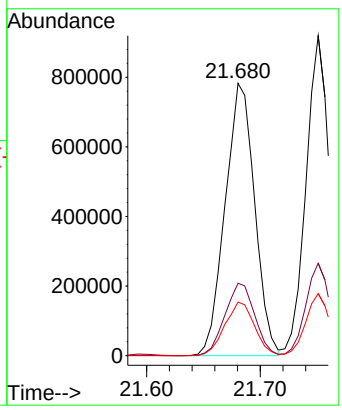




#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 141500

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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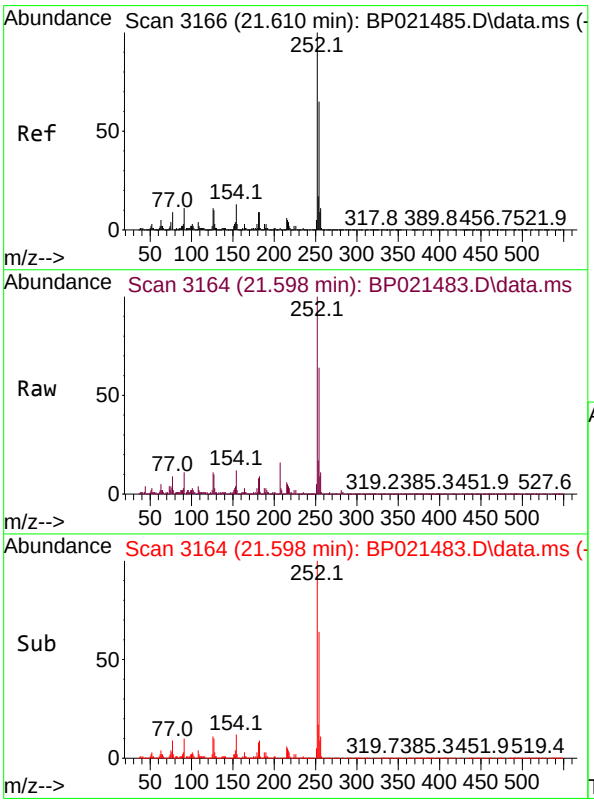
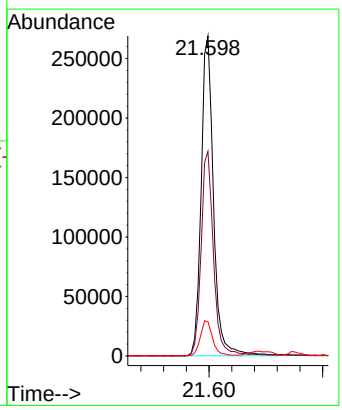
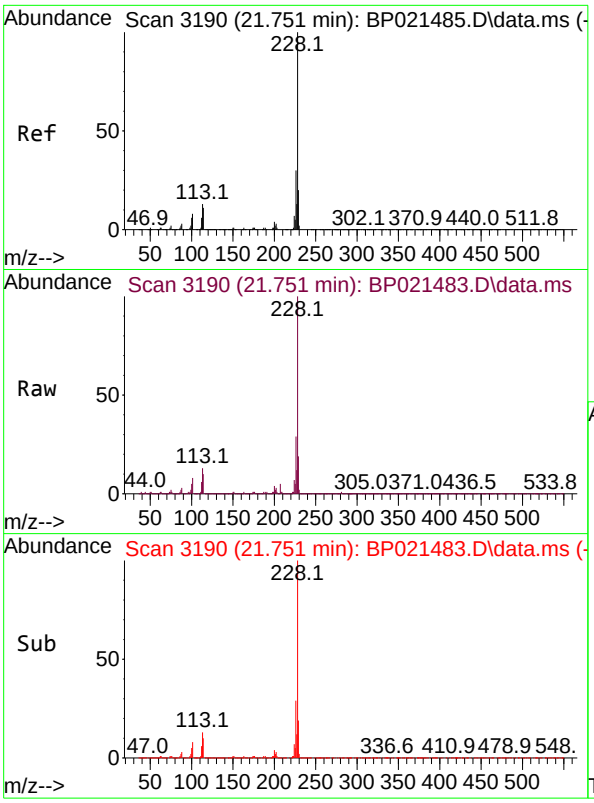


#82
3,3'-Dichlorobenzidine
Concen: 8.884 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 405660

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	10.7	8.7	13.1





#83
Chrysene
Concen: 9.955 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 133861

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	19.4	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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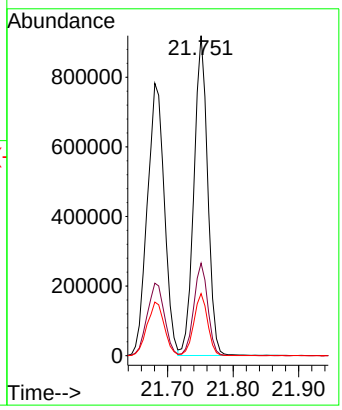
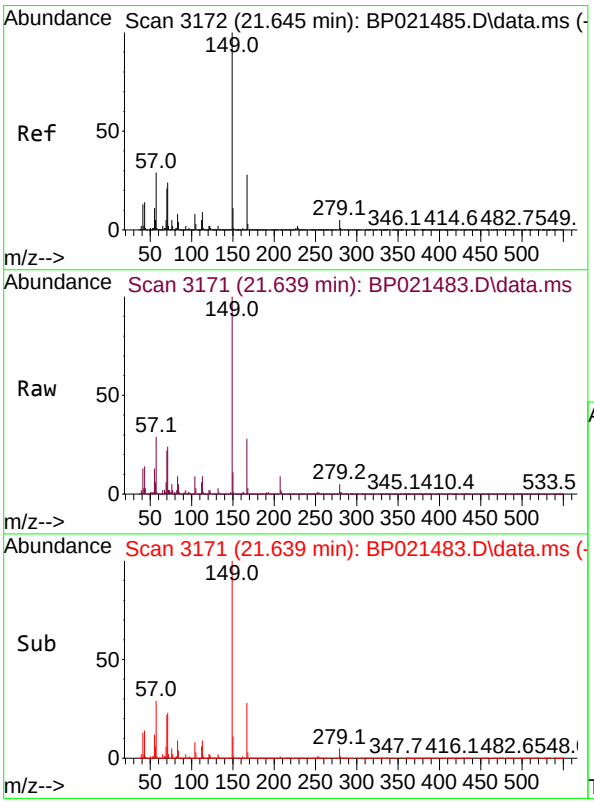
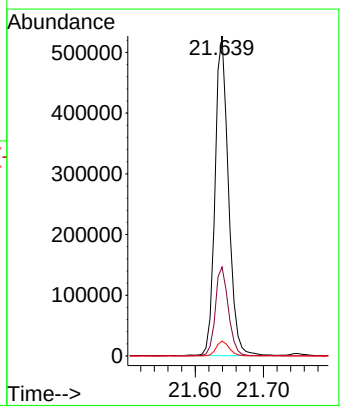


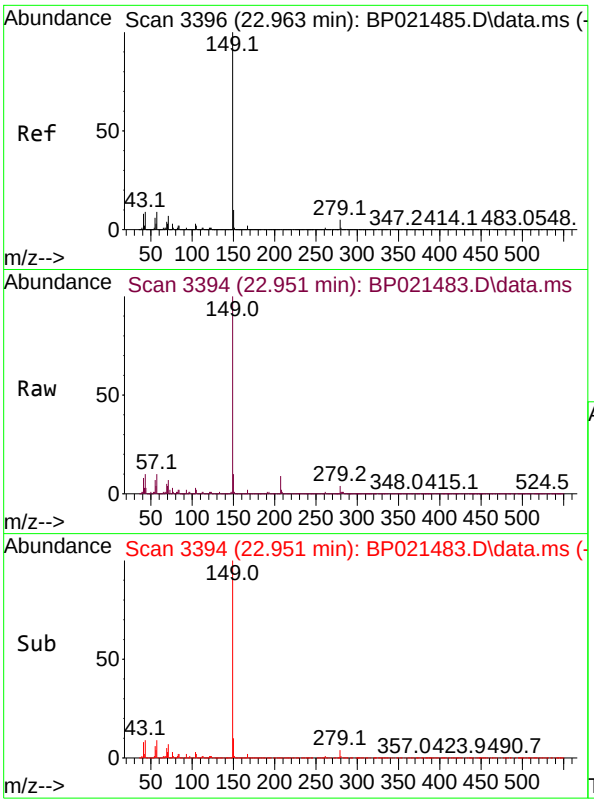


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.563 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 720802

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 10.621 ng
RT: 22.951 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 95118

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
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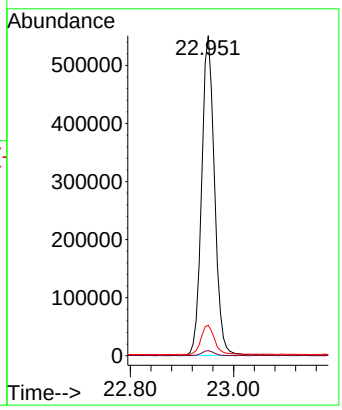
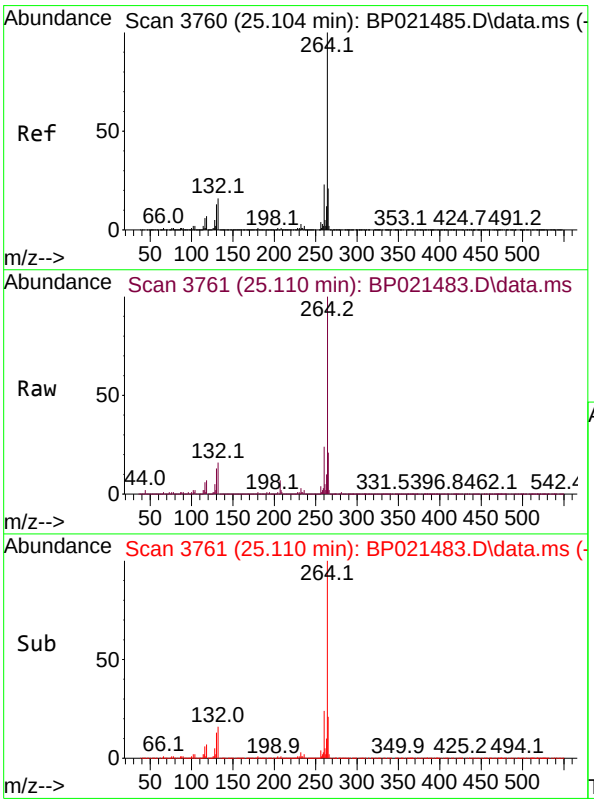
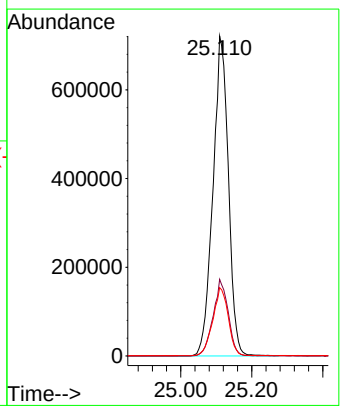


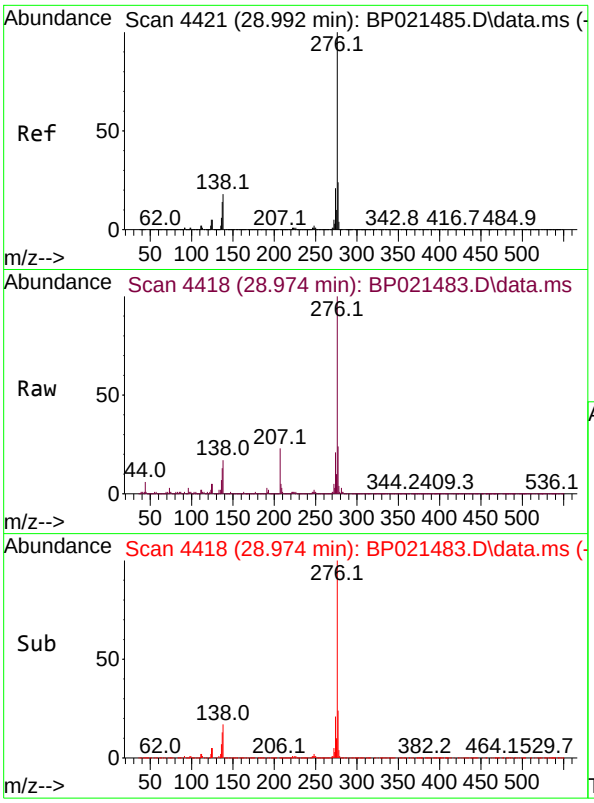


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:264 Resp: 2172035

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.3	17.1	25.7

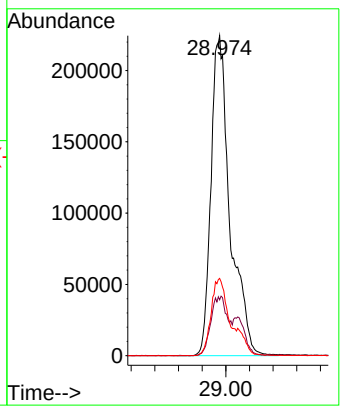




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 125532

Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.8	19.2
277	21.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
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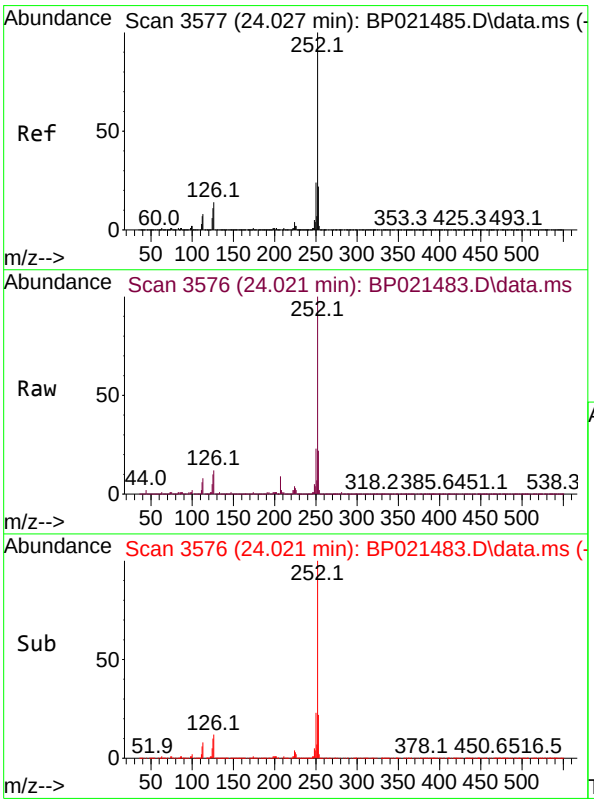
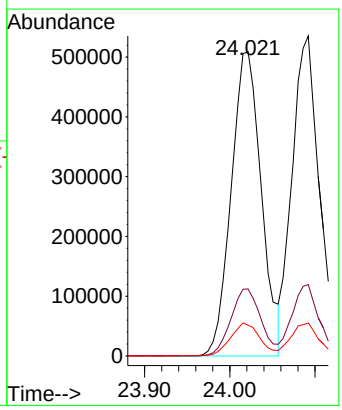
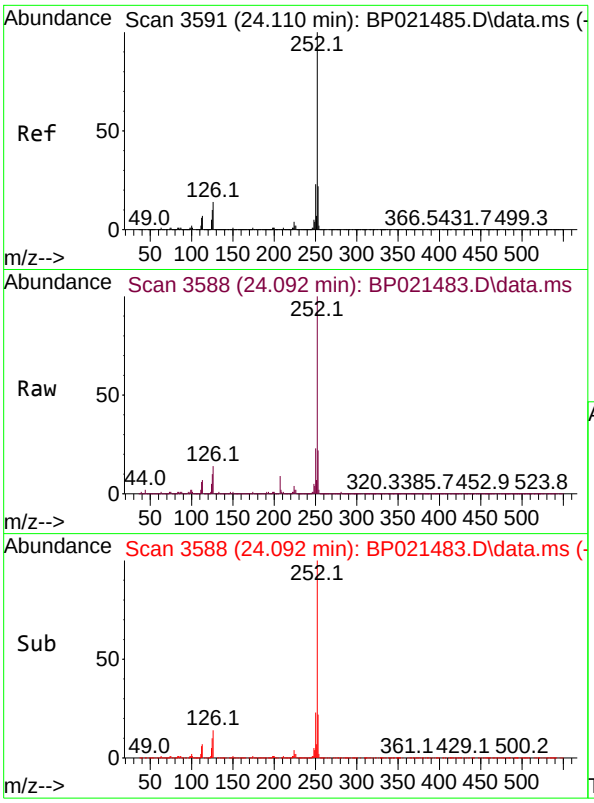


#88
Benzo(b)fluoranthene
Concen: 10.027 ng
RT: 24.021 min Scan# 3576
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1250809

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 9.824 ng
RT: 24.092 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 119542

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.3	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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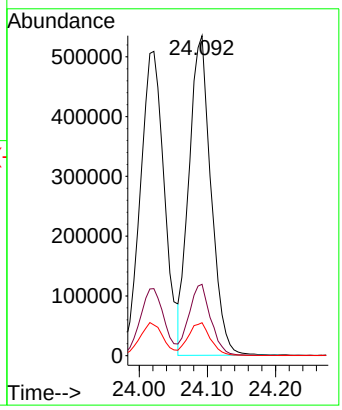
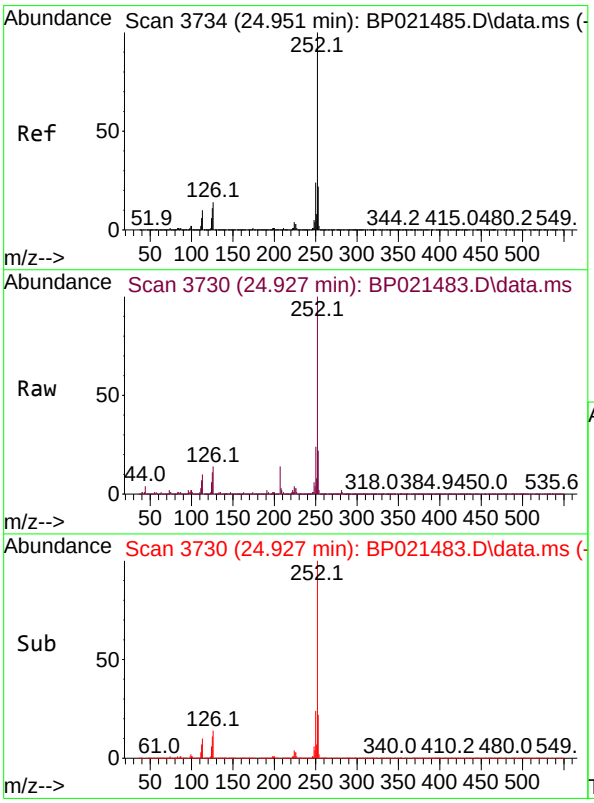
Supervised By :mohammad ahmed 08/14/2024

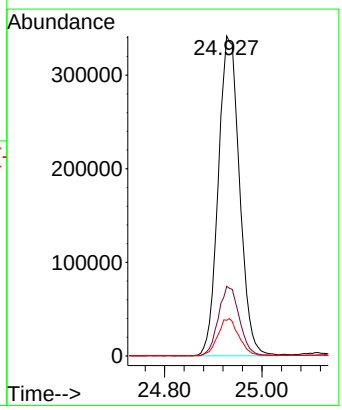


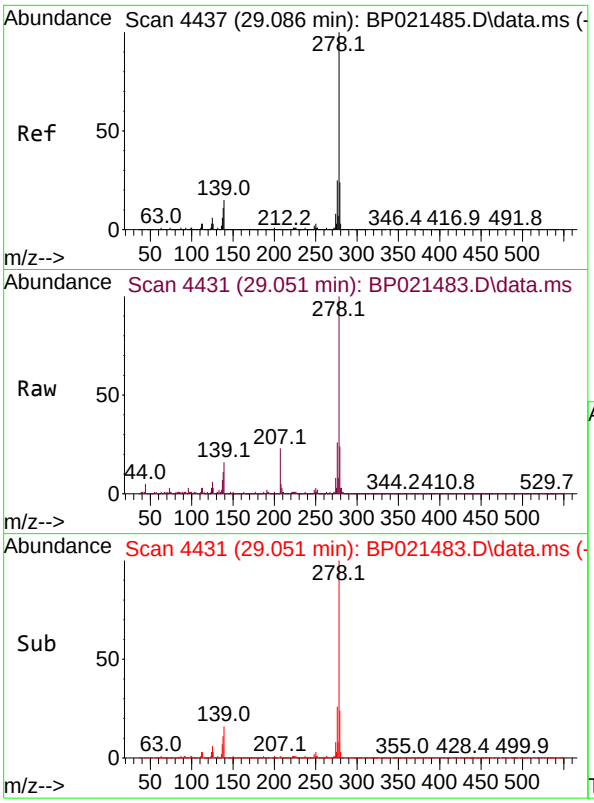


#90
Benzo(a)pyrene
Concen: 9.565 ng
RT: 24.927 min Scan# 3730
Delta R.T. -0.024 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1035462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

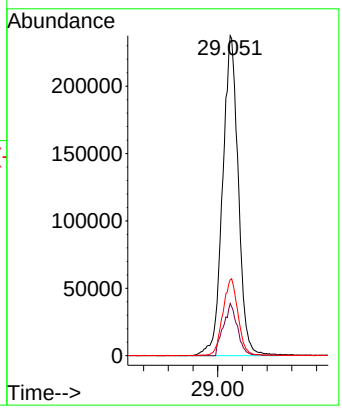




#91
Dibenzo(a,h)anthracene
Concen: 8.956 ng
RT: 29.051 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:278 Resp: 104769

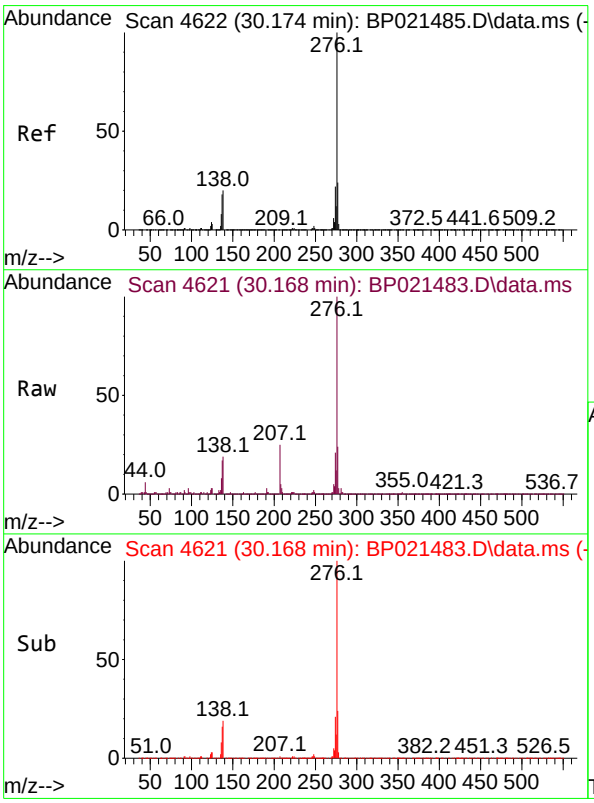
Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

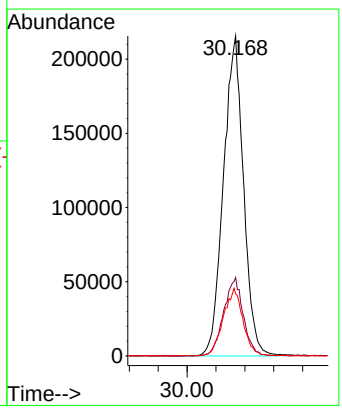
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 8.847 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 1037272

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	19.4	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	325874	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1390587	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	947946	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2036378	20.000	ng		0.00
76) Chrysene-d12	21.704	240	2051361	20.000	ng		0.00
86) Perylene-d12	25.110	264	2332049	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	915778	41.728	ng		0.00
7) Phenol-d6	6.958	99	1343954	41.979	ng		0.00
23) Nitrobenzene-d5	8.952	82	1073821	39.857	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	421534	39.955	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	2531601	40.758	ng		0.00
79) Terphenyl-d14	19.975	244	4240552	40.160	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	221781	21.313	ng		98
3) Pyridine	3.705	79	623899	21.477	ng		99
4) n-Nitrosodimethylamine	3.617	42	185073	21.196	ng		96
6) Aniline	7.128	93	669123	20.906	ng		99
8) 2-Chlorophenol	7.369	128	420713	20.744	ng		98
9) Benzaldehyde	6.946	77	459162	22.400	ng		100
10) Phenol	6.987	94	696832	21.019	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	582174	20.753	ng		98
12) 1,3-Dichlorobenzene	7.699	146	503772	20.912	ng		99
13) 1,4-Dichlorobenzene	7.840	146	506071	20.804	ng		99
14) 1,2-Dichlorobenzene	8.158	146	493188	21.038	ng		99
15) Benzyl Alcohol	8.034	79	480369	20.912	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	535190	20.717	ng		99
17) 2-Methylphenol	8.234	107	439840	20.986	ng		100
18) Hexachloroethane	8.893	117	201027	20.608	ng		98
19) n-Nitroso-di-n-propyla...	8.605	70	467087	21.121	ng		100
20) 3+4-Methylphenols	8.558	107	584839	20.695	ng		99
22) Acetophenone	8.616	105	893676	20.919	ng	#	99
24) Nitrobenzene	8.993	77	597794	20.430	ng		99
25) Isophorone	9.516	82	1322653	20.781	ng		100
26) 2-Nitrophenol	9.705	139	105219	20.765	ng		97
27) 2,4-Dimethylphenol	9.758	122	322640	20.541	ng		98
28) bis(2-Chloroethoxy)met...	9.999	93	795422	20.473	ng		99
29) 2,4-Dichlorophenol	10.234	162	375130	20.213	ng		98
30) 1,2,4-Trichlorobenzene	10.458	180	482172	20.265	ng		98
31) Naphthalene	10.646	128	1492878	20.550	ng		100
32) Benzoic acid	9.840	122	144329	19.969	ng		95
33) 4-Chloroaniline	10.734	127	564170	20.675	ng		99
34) Hexachlorobutadiene	10.946	225	302459	20.189	ng		98
35) Caprolactam	11.481	113	163665	21.189	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	531060	20.628	ng		99
37) 2-Methylnaphthalene	12.257	142	1015274	20.478	ng		100
38) 1-Methylnaphthalene	12.475	142	1008222	20.619	ng		100
40) 1,2,4,5-Tetrachloroben...	12.628	216	561317	20.209	ng		99
41) Hexachlorocyclopentadiene	12.616	237	164693	18.709	ng		99
43) 2,4,6-Trichlorophenol	12.863	196	301820	19.562	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	341066	19.897	ng		99
46) 1,1'-Biphenyl	13.281	154	1359024	20.263	ng		99
47) 2-Chloronaphthalene	13.322	162	1058999	20.282	ng		99
48) 2-Nitroaniline	13.504	65	218570	18.481	ng		97
49) Acenaphthylene	14.169	152	1571109	20.468	ng		100
50) Dimethylphthalate	13.904	163	1297733	20.442	ng		99
51) 2,6-Dinitrotoluene	14.016	165	215611	19.423	ng		93
52) Acenaphthene	14.516	154	1018510	20.223	ng		100
53) 3-Nitroaniline	14.346	138	209499	19.232	ng	#	91
54) 2,4-Dinitrophenol	14.540	184	49171	19.714	ng	#	74
55) Dibenzofuran	14.851	168	1589415	20.515	ng		99
56) 4-Nitrophenol	14.634	139	167932	20.016	ng		97
57) 2,4-Dinitrotoluene	14.804	165	248400	18.676	ng		92
58) Fluorene	15.516	166	1334998	20.975	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.081	232	286326	19.679	ng		98
60) Diethylphthalate	15.293	149	1353063	20.773	ng		100
61) 4-Chlorophenyl-phenyle...	15.522	204	680988	20.699	ng		97
62) 4-Nitroaniline	15.522	138	229769	19.603	ng		92
63) Azobenzene	15.816	77	1685601	21.052	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	79397	19.364	ng		96
66) n-Nitrosodiphenylamine	15.734	169	1118083	20.488	ng		100
67) 4-Bromophenyl-phenylether	16.434	248	432165	20.052	ng		99
68) Hexachlorobenzene	16.545	284	509441	20.002	ng		98
69) Atrazine	16.710	200	398442	21.266	ng		99
70) Pentachlorophenol	16.892	266	255526	18.381	ng		99
71) Phenanthrene	17.292	178	2033070	20.760	ng		99
72) Anthracene	17.398	178	1976030	20.574	ng		99
73) Carbazole	17.663	167	1916837	20.709	ng		99
74) Di-n-butylphthalate	18.269	149	2340289	20.587	ng		99
75) Fluoranthene	19.375	202	2511684	20.902	ng		100
77) Benzidine	19.575	184	924193	20.258	ng		99
78) Pyrene	19.751	202	2656705	19.814	ng		100
80) Butylbenzylphthalate	20.710	149	843482	18.934	ng		98
81) Benzo(a)anthracene	21.686	228	2648478	20.566	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	847490	20.526	ng		99
83) Chrysene	21.751	228	2472528	20.336	ng		100
84) Bis(2-ethylhexyl)phtha...	21.651	149	1520788	19.981	ng		99
85) Di-n-octyl phthalate	22.963	149	2286827	20.217	ng		99
87) Indeno(1,2,3-cd)pyrene	28.980	276	3071376m	20.320	ng		
88) Benzo(b)fluoranthene	24.033	252	2700298	20.161	ng		98
89) Benzo(k)fluoranthene	24.104	252	2620830	20.059	ng		99
90) Benzo(a)pyrene	24.951	252	2339364	20.127	ng		98
91) Dibenzo(a,h)anthracene	29.080	278	2579763	20.539	ng		99
92) Benzo(g,h,i)perylene	30.168	276	2555517	20.300	ng		100

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

ICAL Form

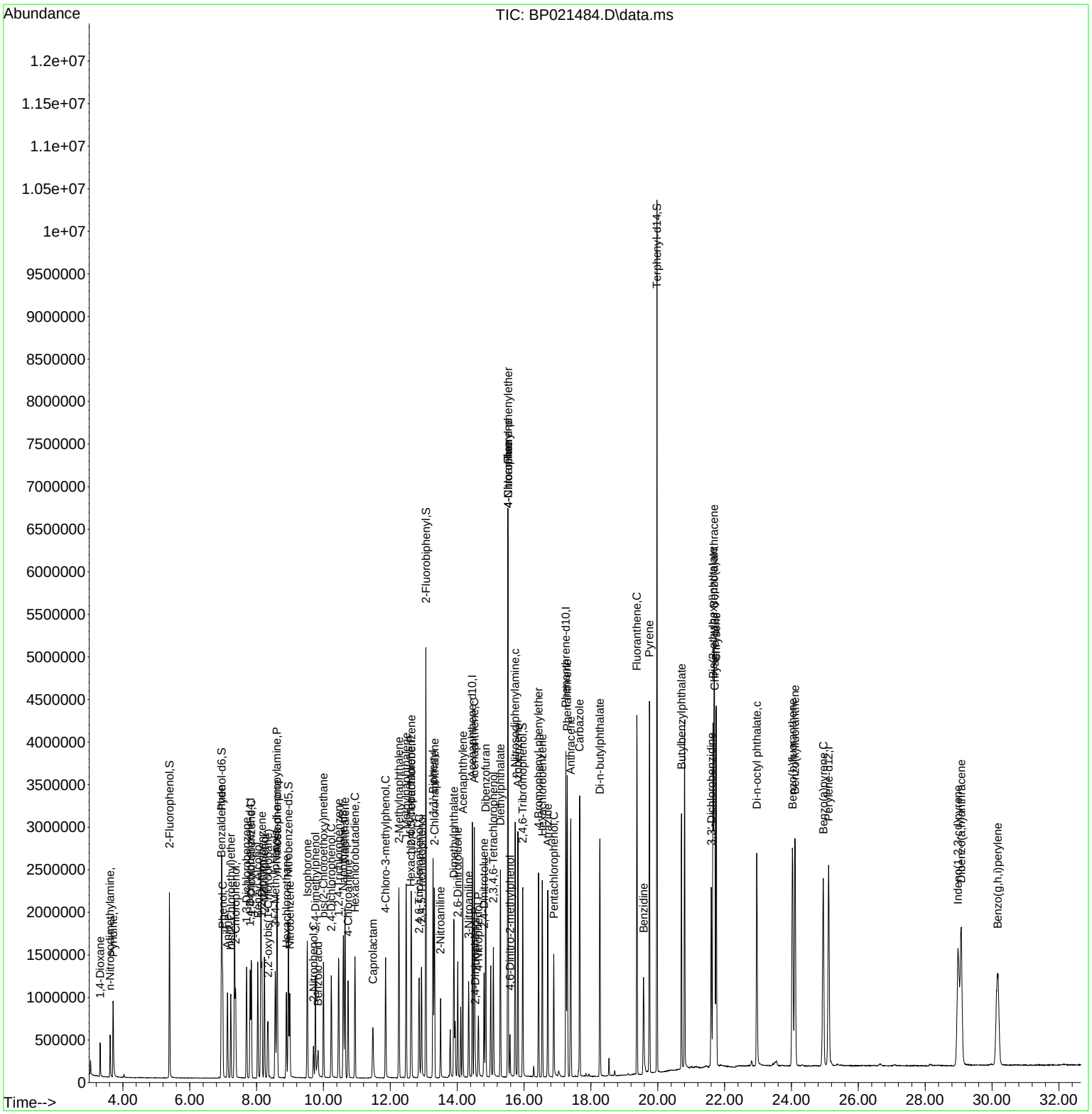
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

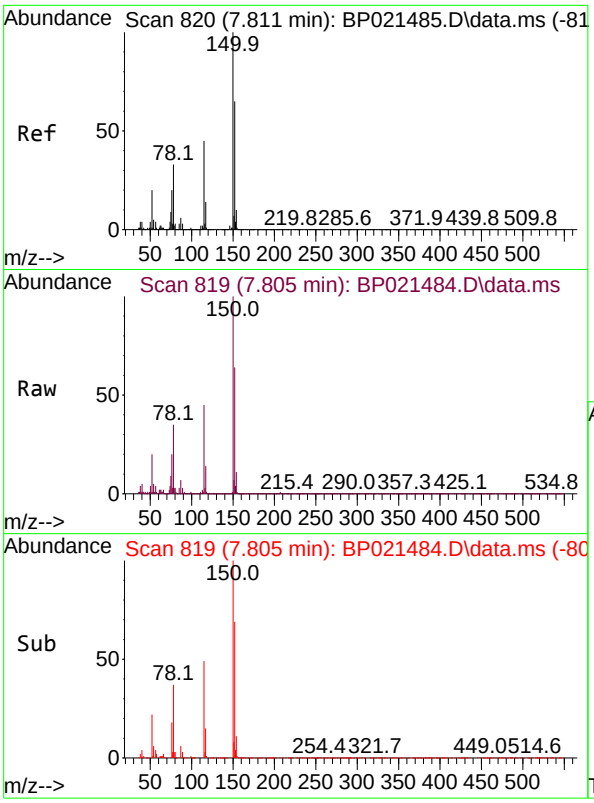
Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

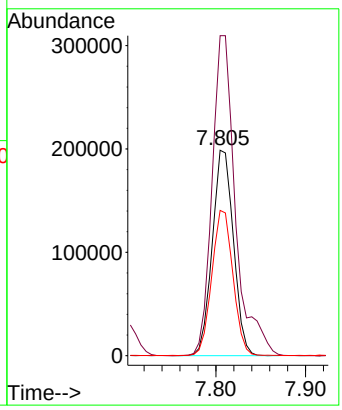




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 32587

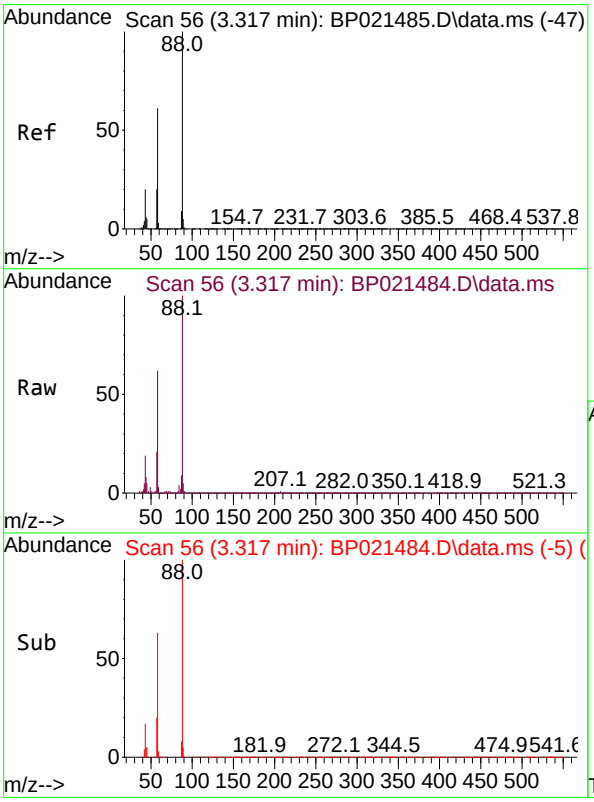
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.7	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

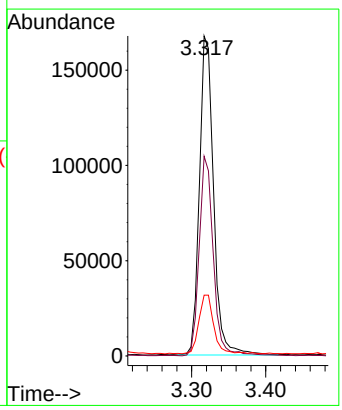
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

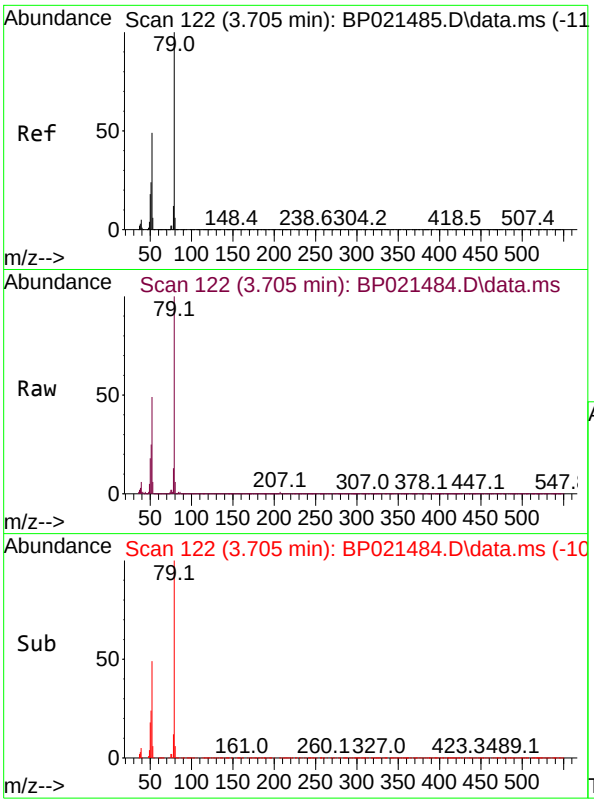


#2
1,4-Dioxane
Concen: 21.313 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 88 Resp: 221781

Ion	Ratio	Lower	Upper
88	100		
58	62.4	48.7	73.1
43	19.4	15.4	23.2

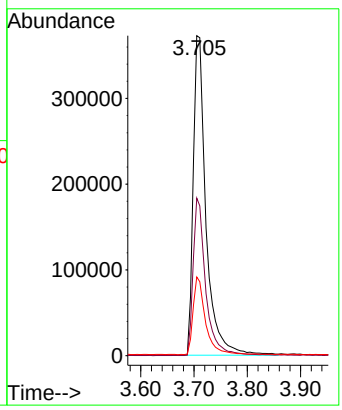




#3
Pyridine
Concen: 21.477 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 623899

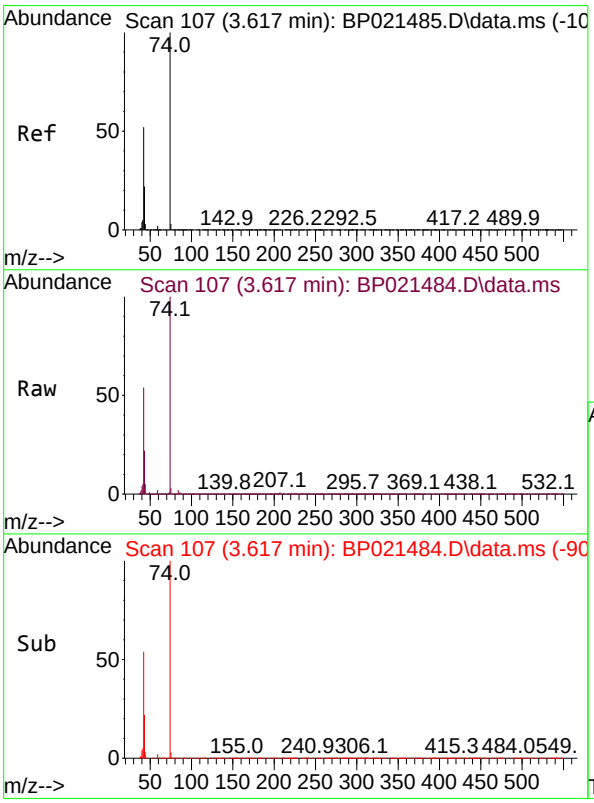
Ion	Ratio	Lower	Upper
79	100		
52	49.3	39.0	58.6
51	24.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

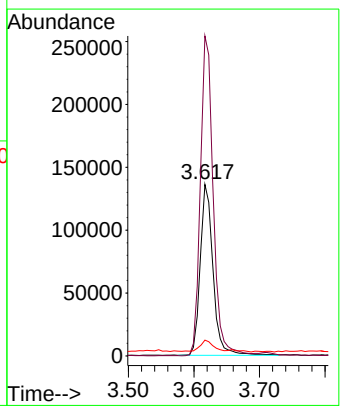
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

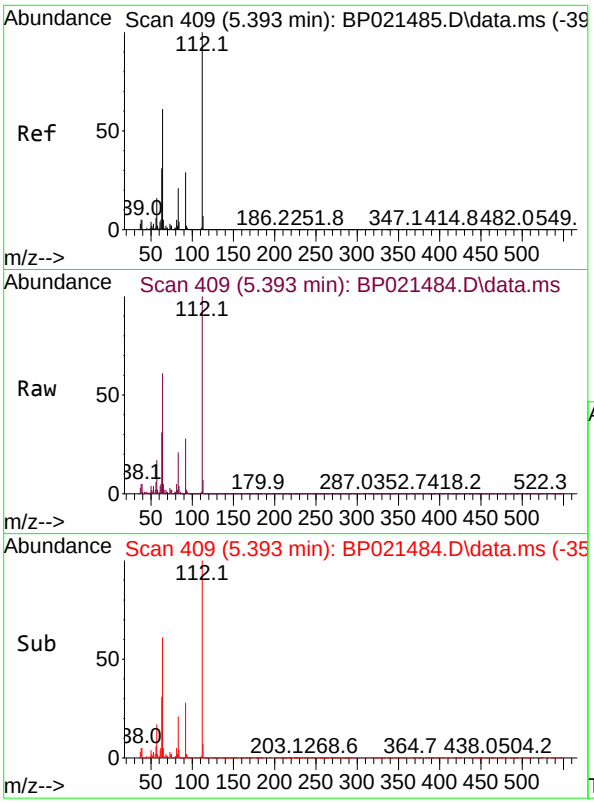


#4
n-Nitrosodimethylamine
Concen: 21.196 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 42 Resp: 185073

Ion	Ratio	Lower	Upper
42	100		
74	186.5	154.3	231.5
44	9.2	6.2	9.4

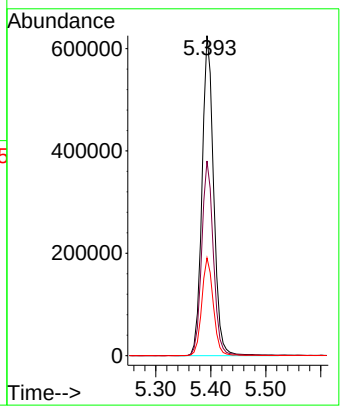




#5
2-Fluorophenol
Concen: 41.728 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:112 Resp: 91577

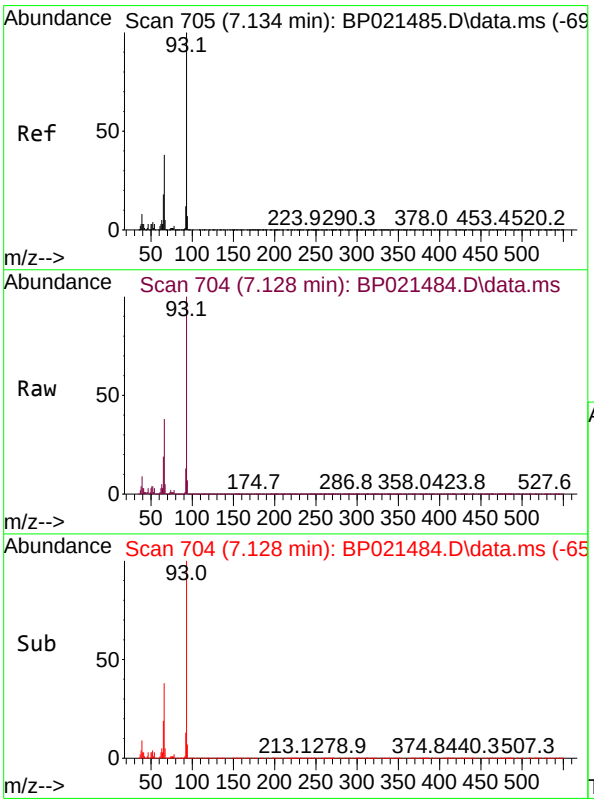
Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

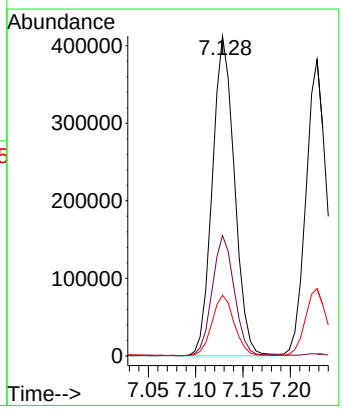
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

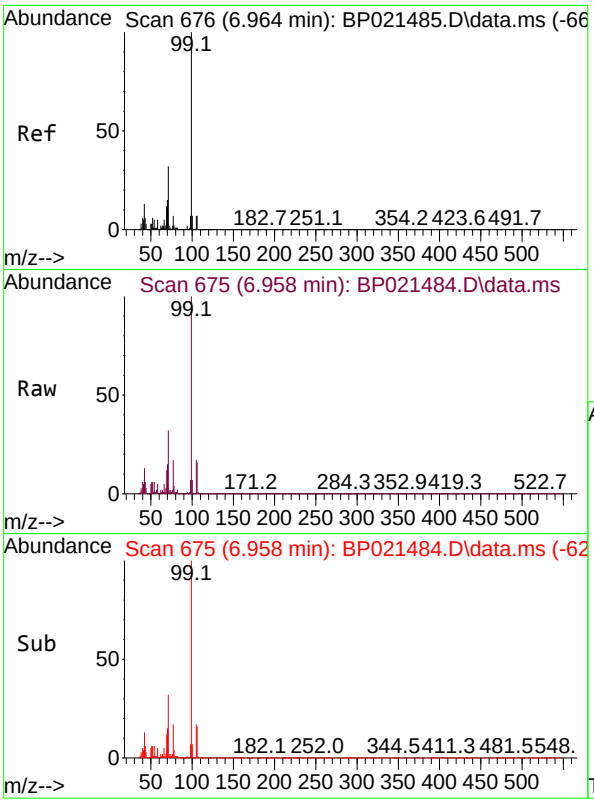


#6
Aniline
Concen: 20.906 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 669123

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.0	14.7	22.1

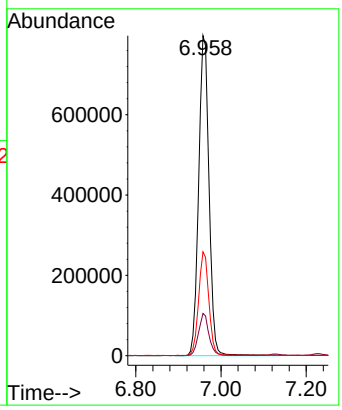




#7
Phenol-d6
Concen: 41.979 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 99 Resp: 134395

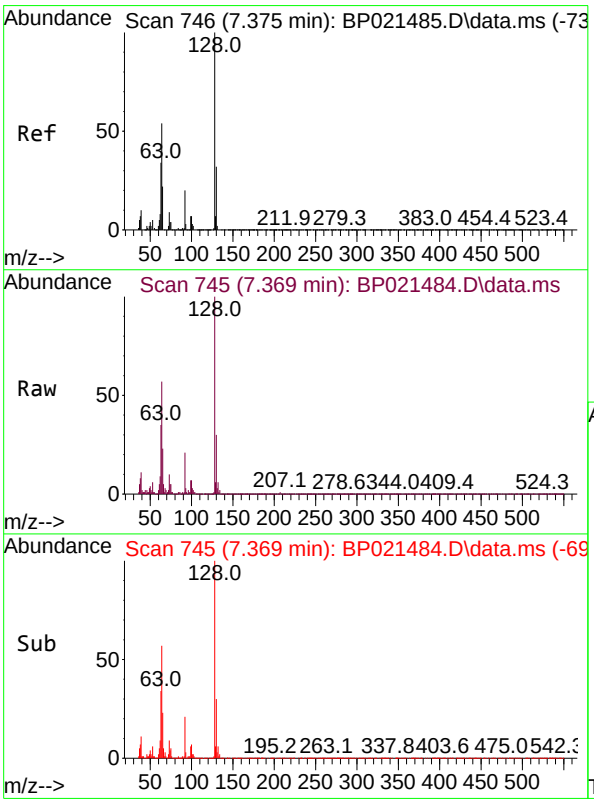
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

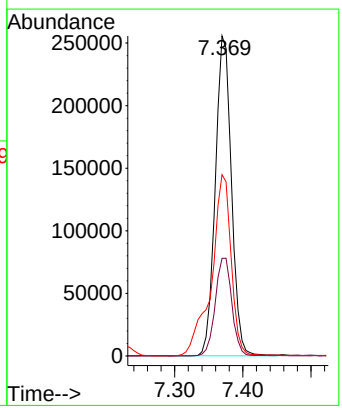
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

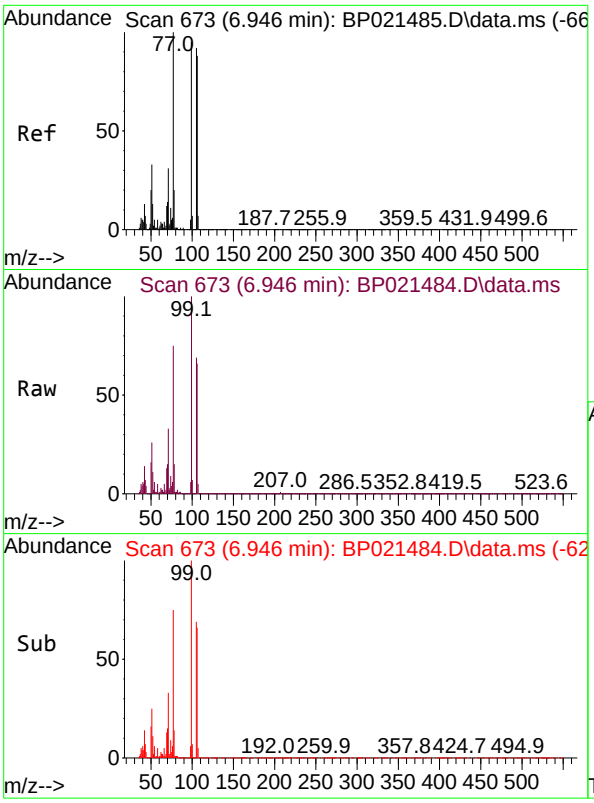


#8
2-Chlorophenol
Concen: 20.744 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 420713

Ion	Ratio	Lower	Upper
128	100		
130	30.5	11.6	51.6
64	56.6	35.3	75.3

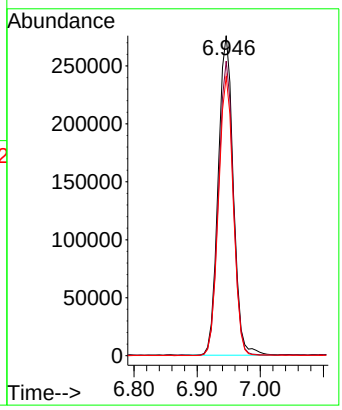




#9
Benzaldehyde
Concen: 22.400 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 45916

Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.3	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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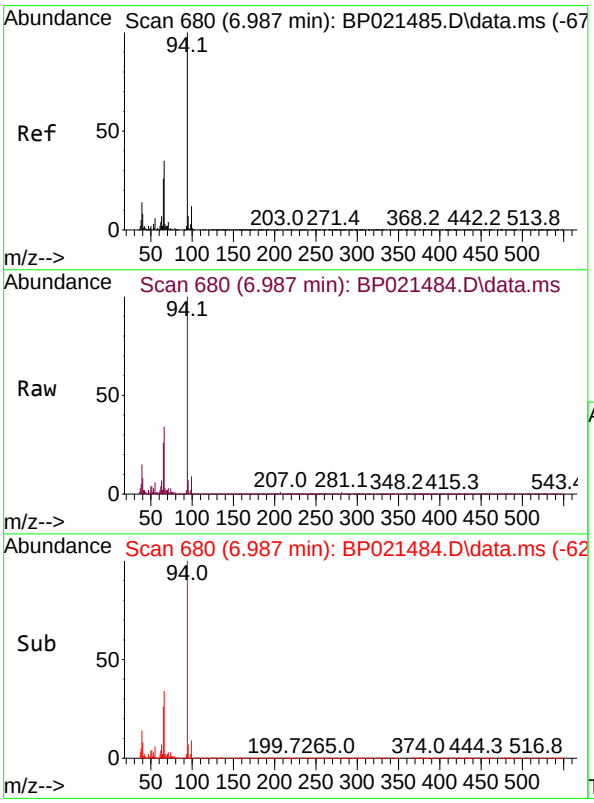
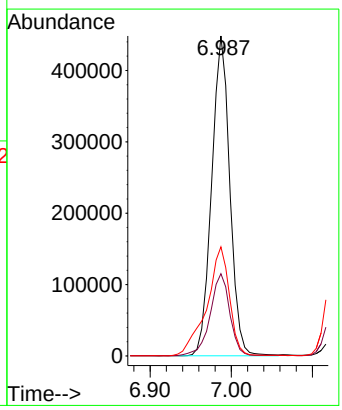
Supervised By :mohammad ahmed 08/14/2024

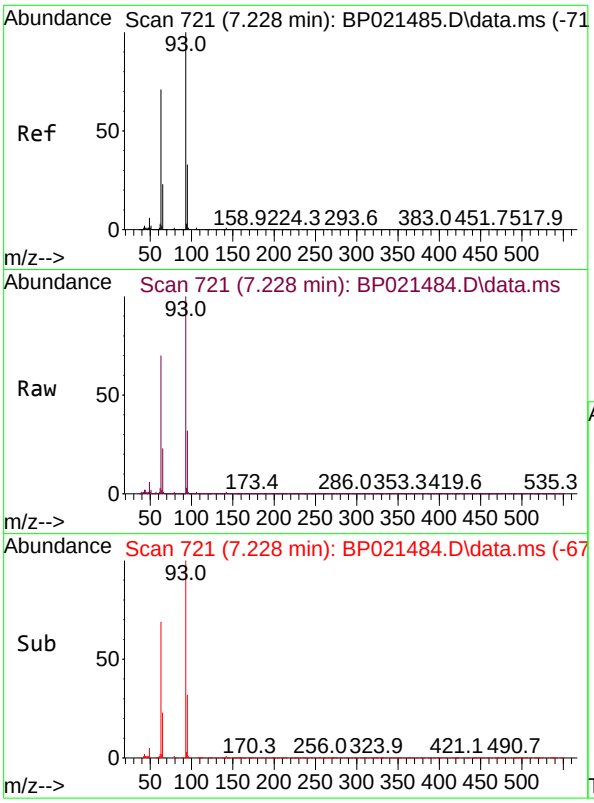


#10
Phenol
Concen: 21.019 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 94 Resp: 696832

Ion	Ratio	Lower	Upper
94	100		
65	25.7	6.5	46.5
66	34.1	14.7	54.7

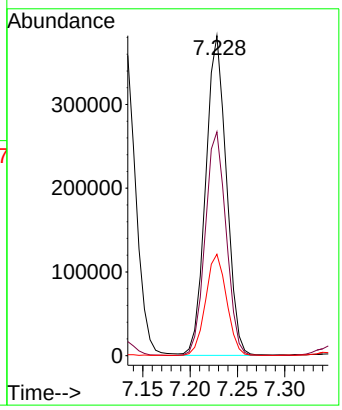




#11
bis(2-Chloroethyl)ether
Concen: 20.753 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 58217

Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	31.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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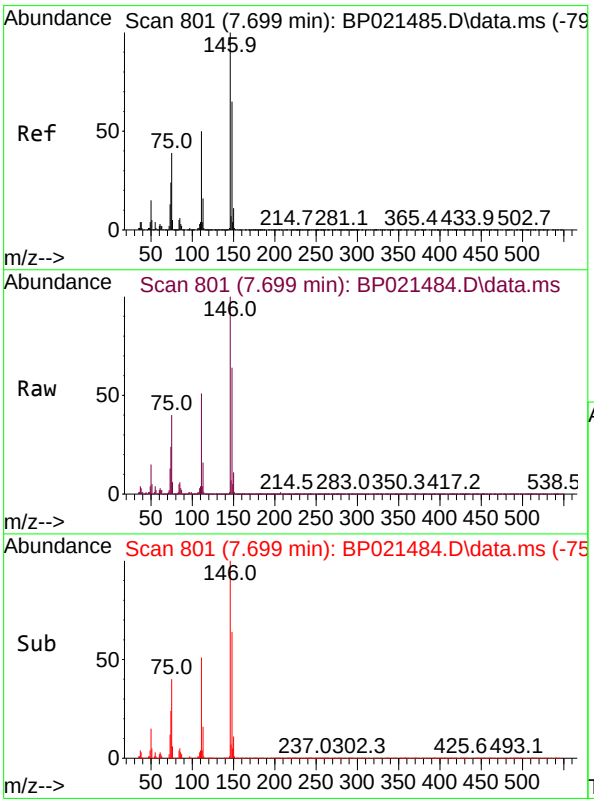
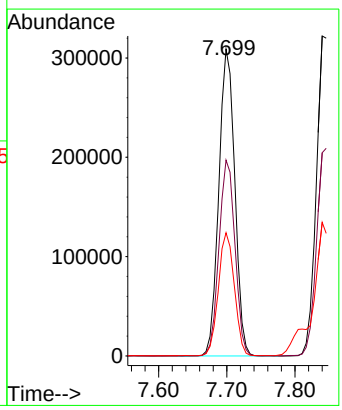
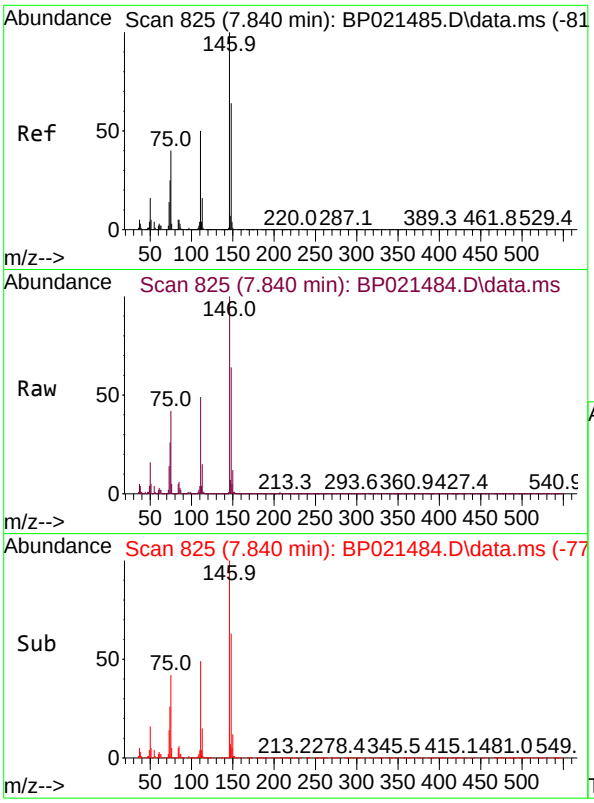


#12
1,3-Dichlorobenzene
Concen: 20.912 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 503772

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	40.2	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 50607

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.5	77.3
111	49.3	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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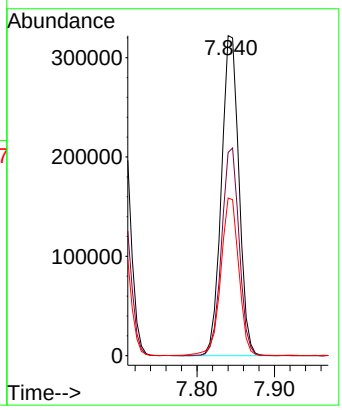
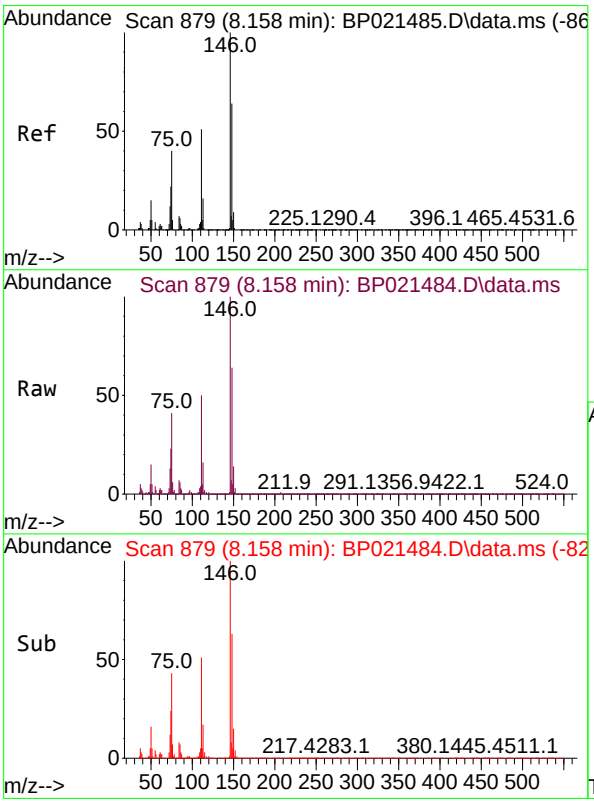
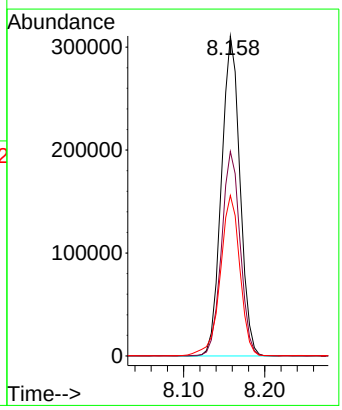


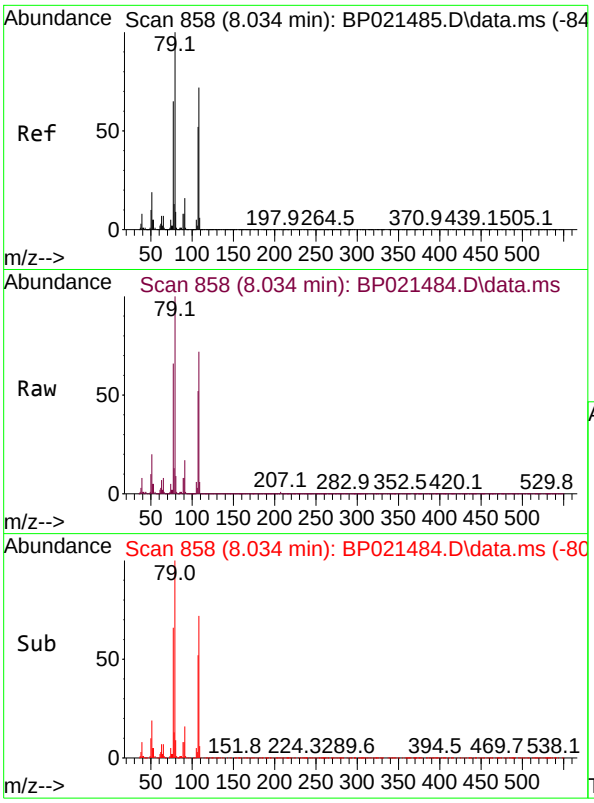


#14
1,2-Dichlorobenzene
Concen: 21.038 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 493188

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	50.1	41.1	61.7





#15
Benzyl Alcohol
Concen: 20.912 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 48036

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.9	86.9
77	65.7	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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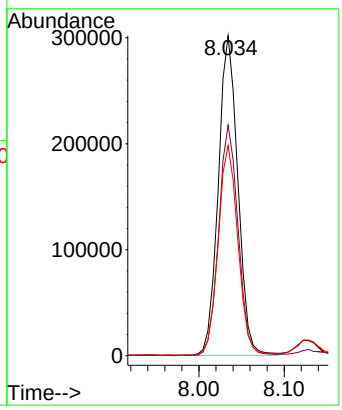
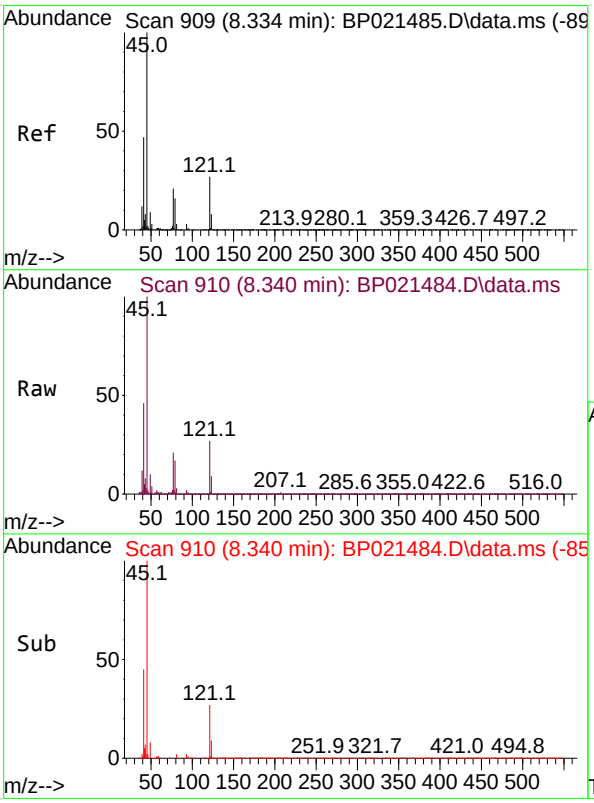
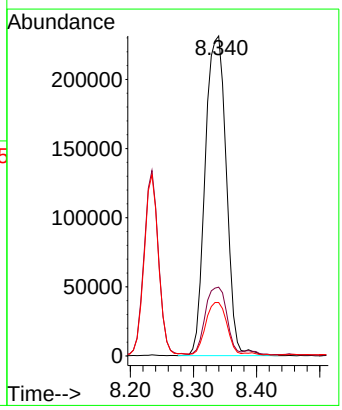


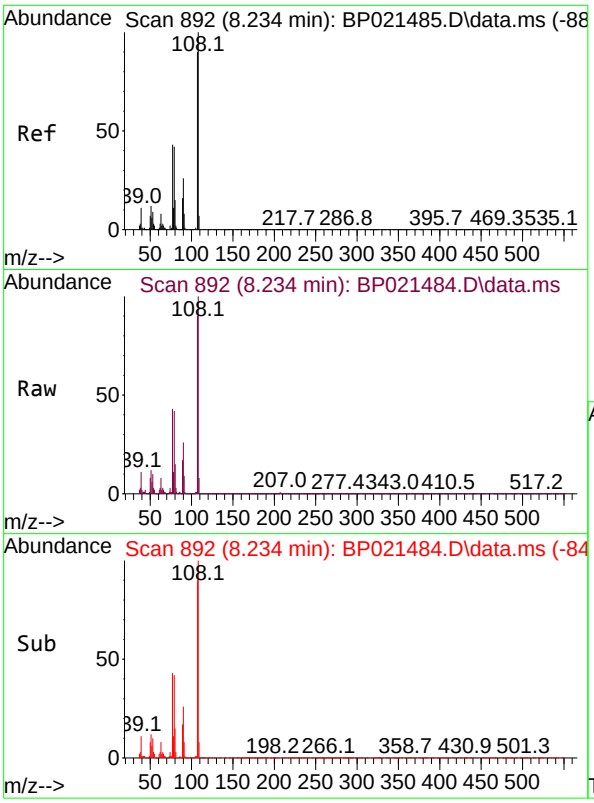


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.717 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 45 Resp: 535190

Ion	Ratio	Lower	Upper
45	100		
77	21.5	1.9	41.9
79	16.7	0.0	36.6

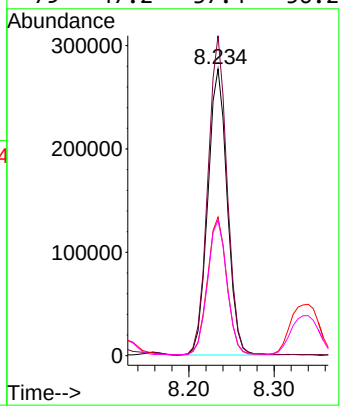




#17
2-Methylphenol
Concen: 20.986 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 43984

Ion	Ratio	Lower	Upper
107	100		
108	111.6	88.8	133.2
77	48.4	38.7	58.1
79	47.2	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
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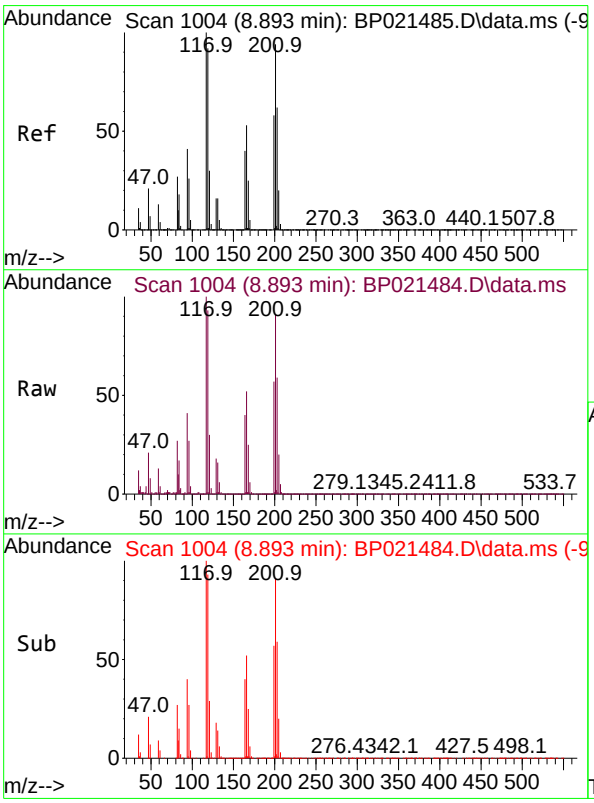
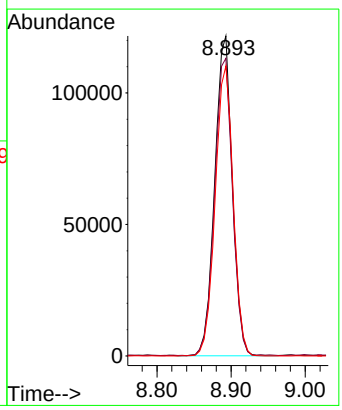
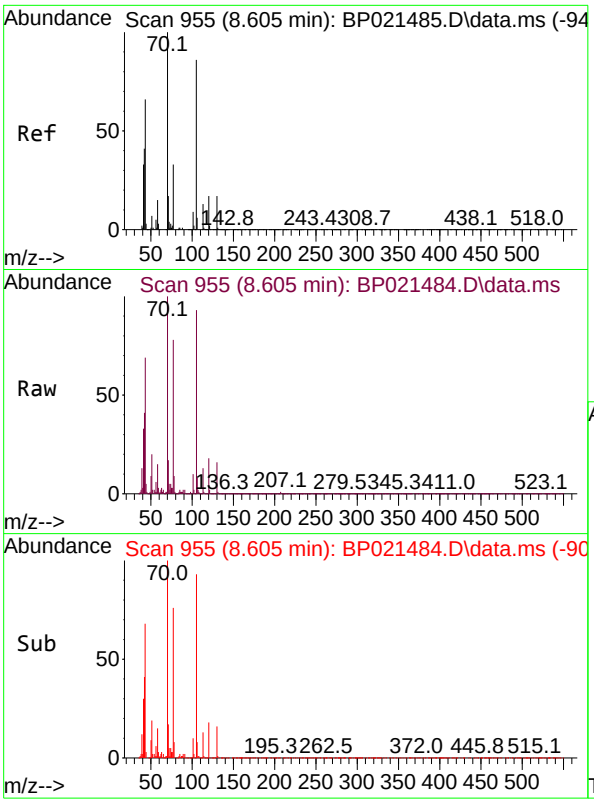


#18
Hexachloroethane
Concen: 20.608 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:117 Resp: 201027

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.9	110.9
201	90.6	74.9	112.3

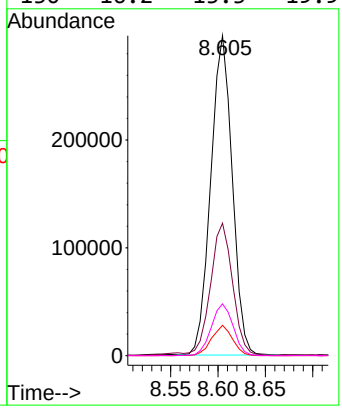




#19
n-Nitroso-di-n-propylamine
Concen: 21.121 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 70 Resp: 46708

Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.5	7.4	11.2
130	16.2	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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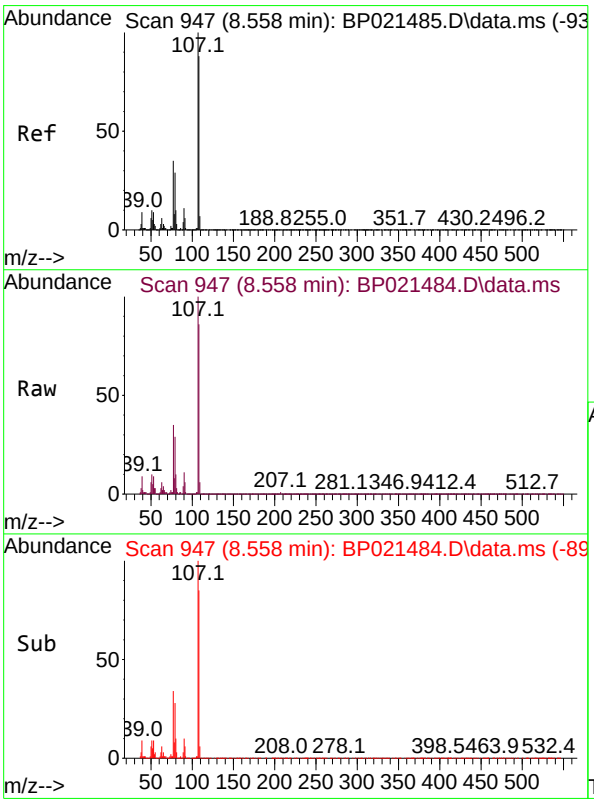
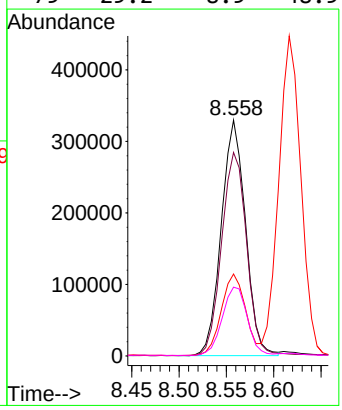
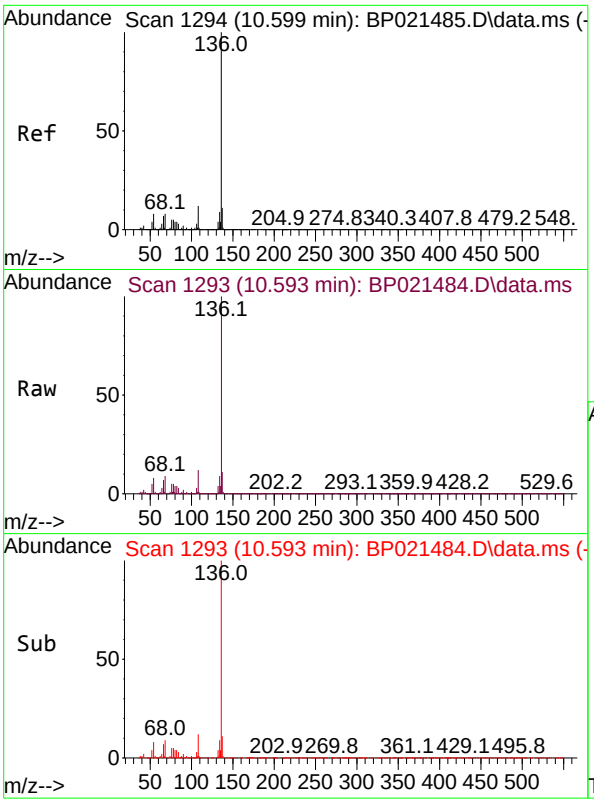


#20
3+4-Methylphenols
Concen: 20.695 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 584839

Ion	Ratio	Lower	Upper
107	100		
108	86.3	67.6	107.6
77	34.7	15.0	55.0
79	29.2	8.9	48.9

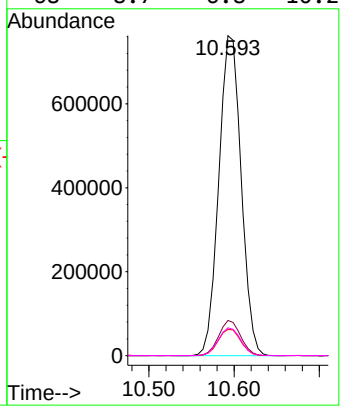




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:136 Resp: 139058

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.3	9.5
68	8.7	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
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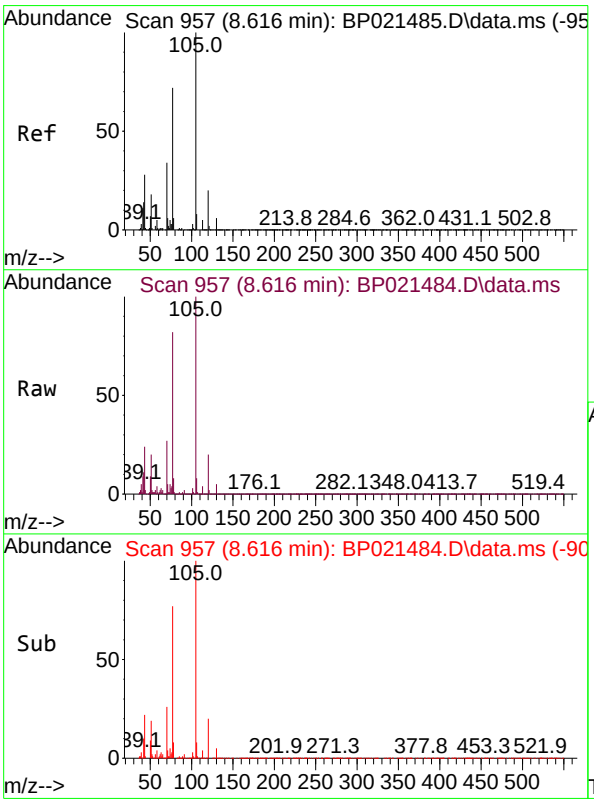
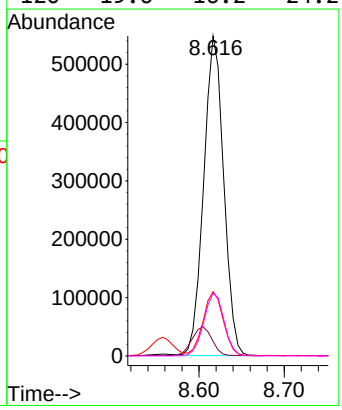
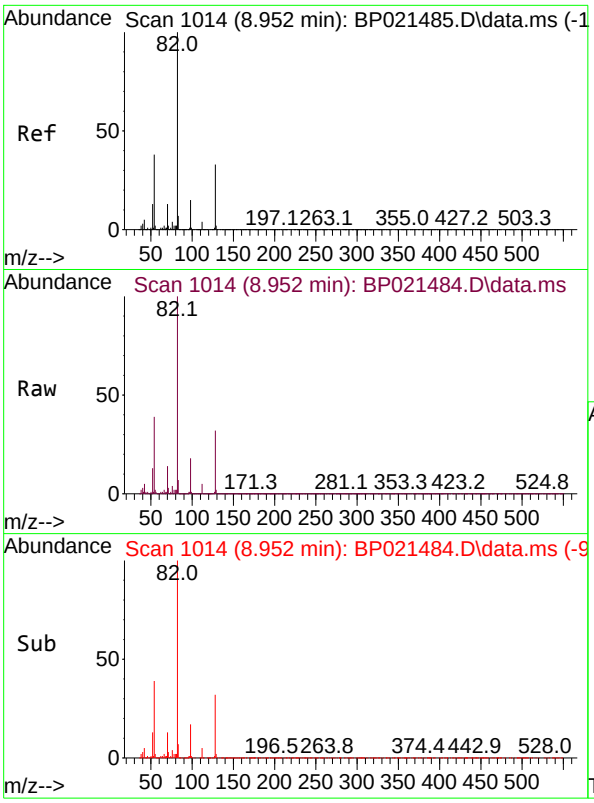


#22
Acetophenone
Concen: 20.919 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:105 Resp: 893676

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.6	7.0#
51	20.1	16.3	24.5
120	19.6	16.2	24.2





#23
Nitrobenzene-d5
Concen: 39.857 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 107382

Ion	Ratio	Lower	Upper
82	100		
128	31.9	26.5	39.7
54	38.7	30.3	45.5

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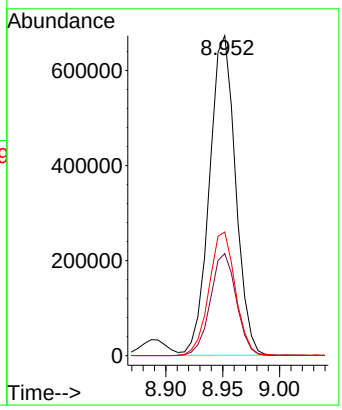
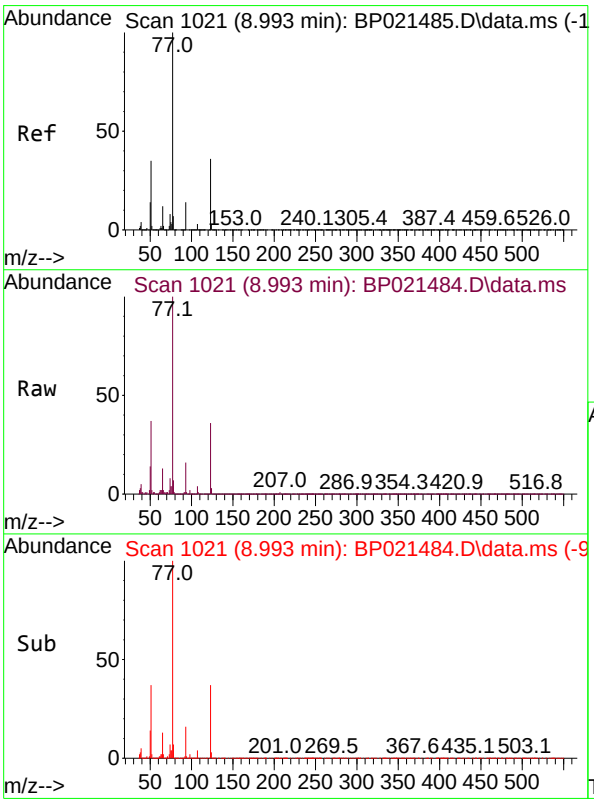
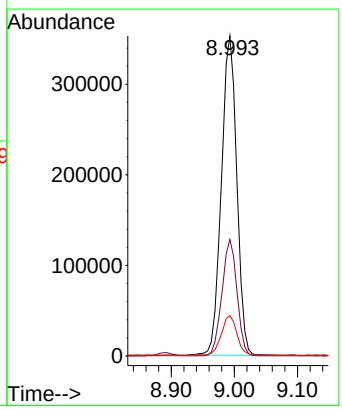


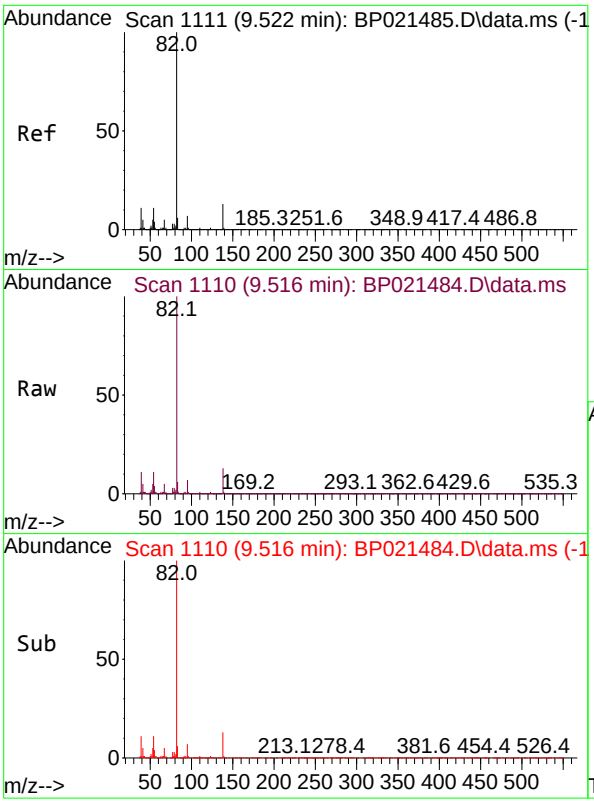


#24
Nitrobenzene
Concen: 20.430 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 597794

Ion	Ratio	Lower	Upper
77	100		
123	36.4	29.5	44.3
65	12.6	9.9	14.9





#25
Isophorone
Concen: 20.781 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 82 Resp: 132265

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	13.1	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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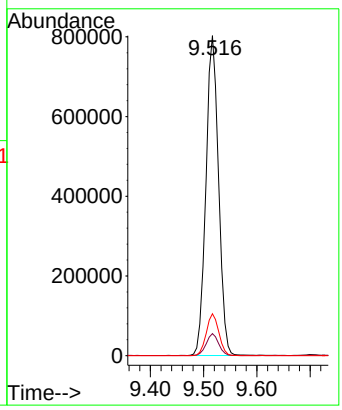
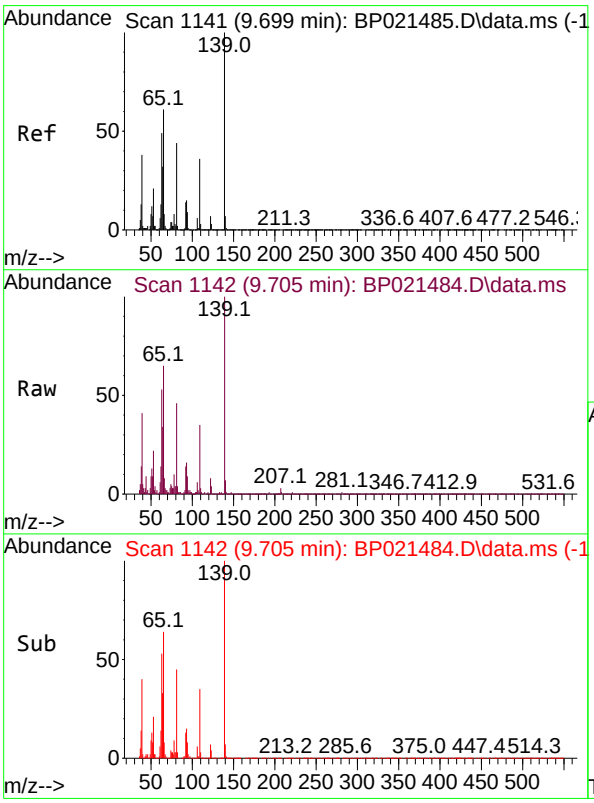
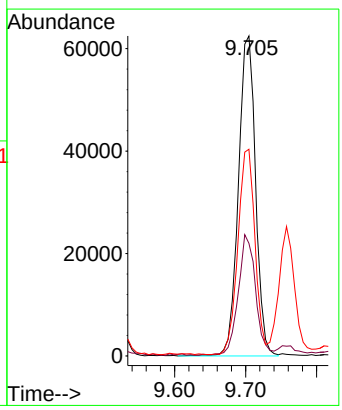


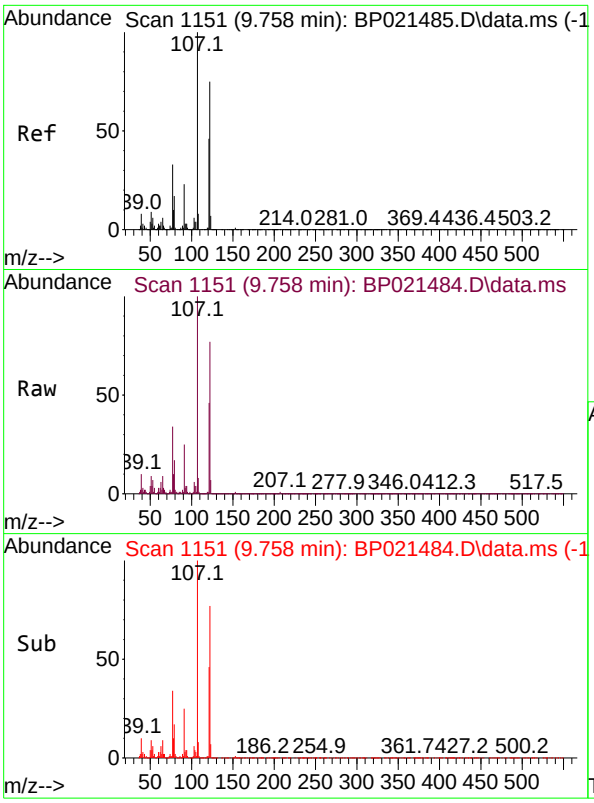


#26
2-Nitrophenol
Concen: 20.765 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 105219

Ion	Ratio	Lower	Upper
139	100		
109	35.2	28.9	43.3
65	64.6	49.0	73.6

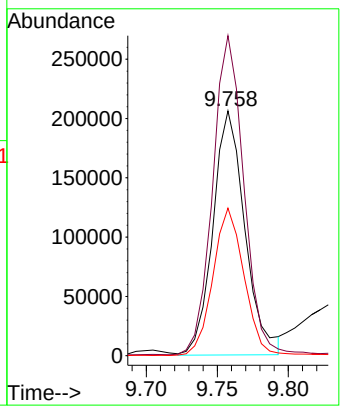




#27
2,4-Dimethylphenol
Concen: 20.541 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 32264

Ion	Ratio	Lower	Upper
122	100		
107	130.7	106.2	159.4
121	60.3	48.8	73.2



Instrument :
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ClientSampleId :
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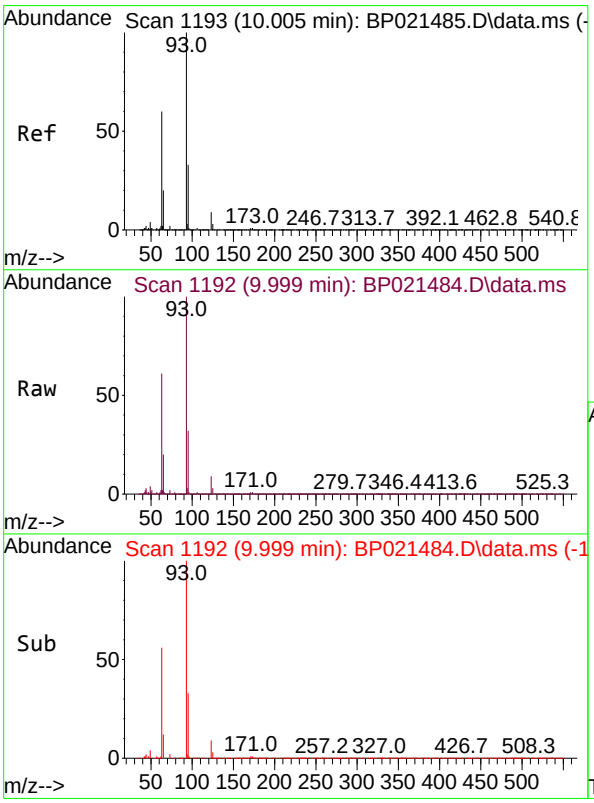
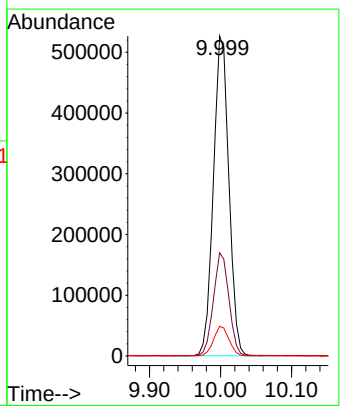
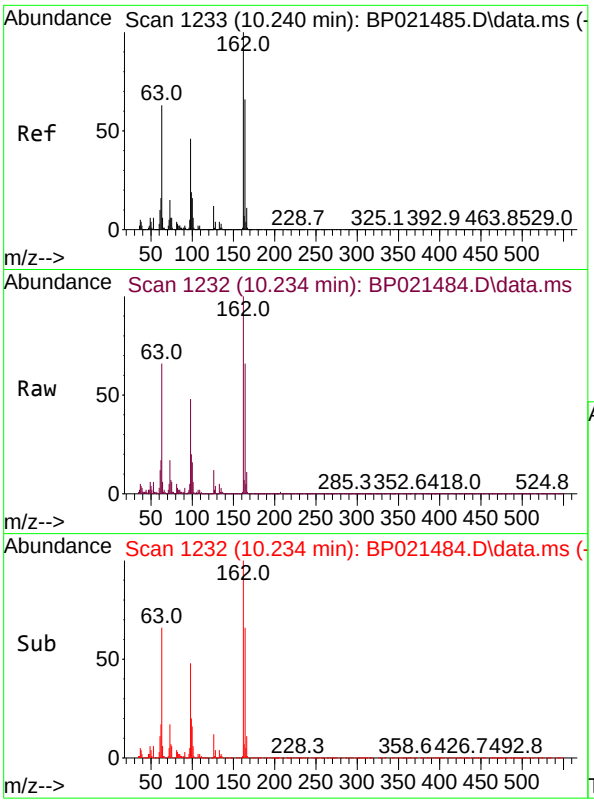


#28
bis(2-Chloroethoxy)methane
Concen: 20.473 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 795422

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.2	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 20.213 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 37513

Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.9	85.9
98	48.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
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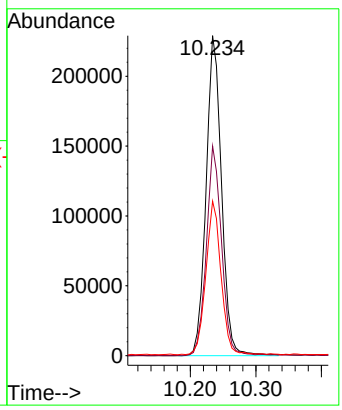
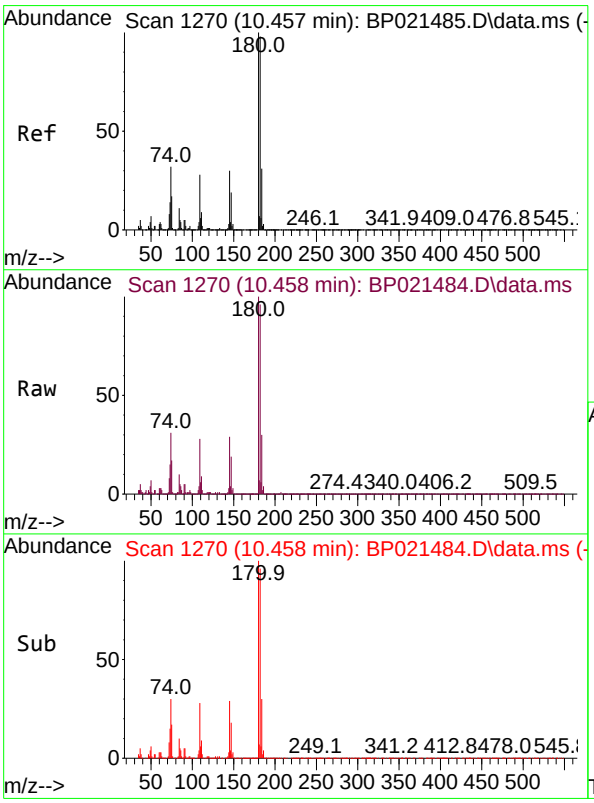
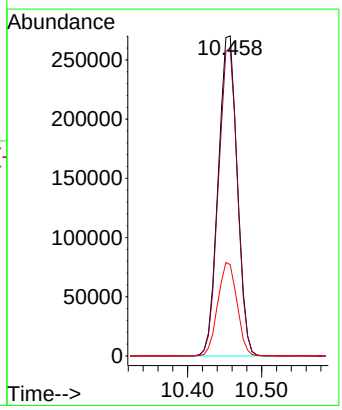


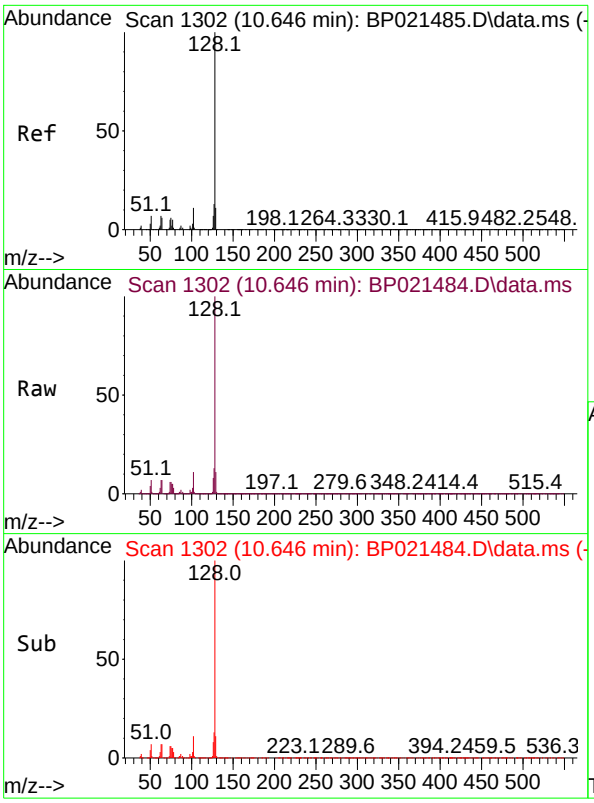


#30
1,2,4-Trichlorobenzene
Concen: 20.265 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:180 Resp: 482172

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.3	117.5
145	28.6	24.0	36.0

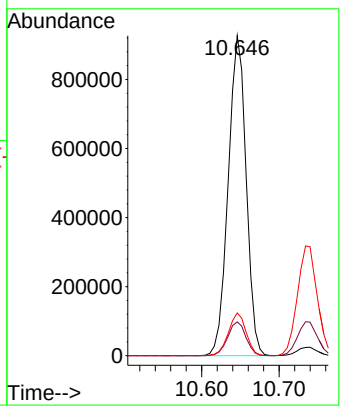




#31
Naphthalene
Concen: 20.550 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 149287

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.3	10.6	15.8



Instrument :
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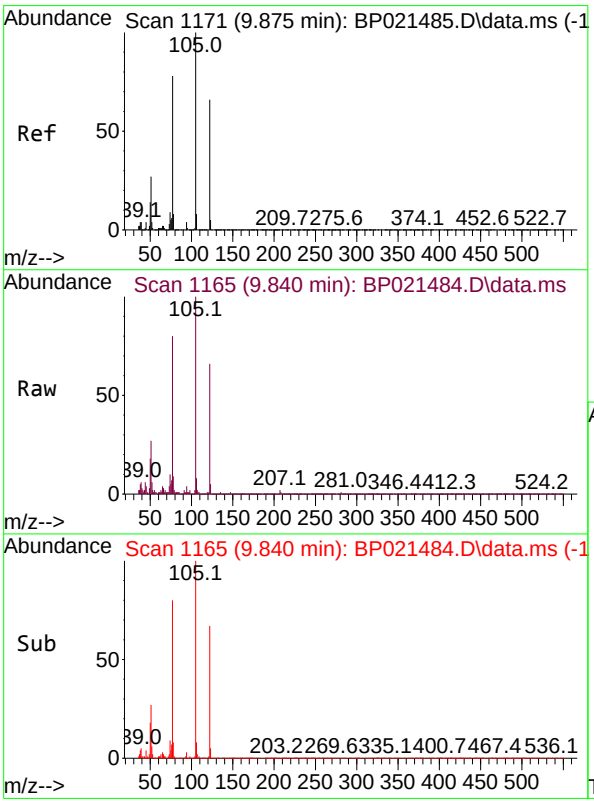
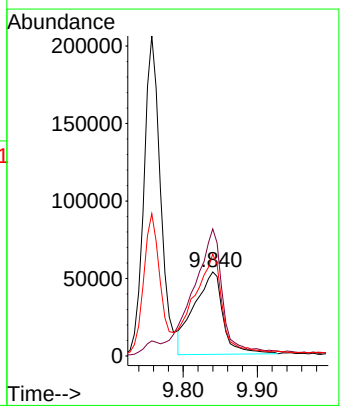
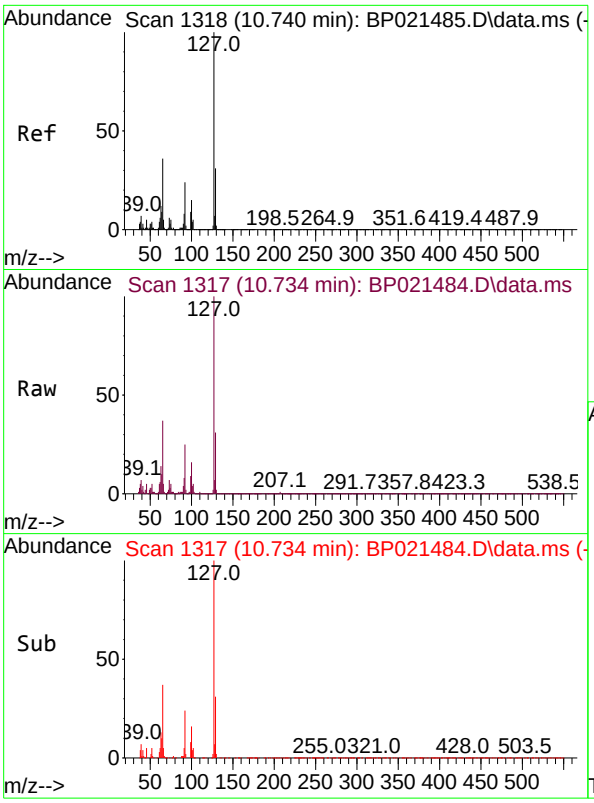


#32
Benzoic acid
Concen: 19.969 ng
RT: 9.840 min Scan# 1165
Delta R.T. -0.035 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 144329

Ion	Ratio	Lower	Upper
122	100		
105	151.1	124.6	164.6
77	121.0	96.2	136.2

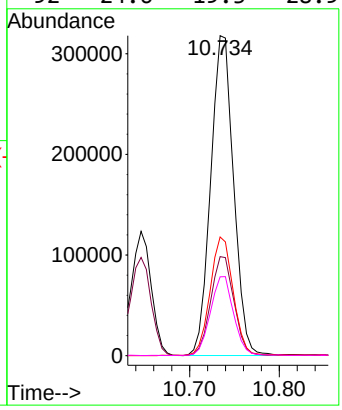




#33
4-Chloroaniline
Concen: 20.675 ng
RT: 10.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:127 Resp: 56417

Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.5	36.7
65	37.1	28.9	43.3
92	24.6	19.3	28.9



Instrument :
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ClientSampleId :
SSTDICC020

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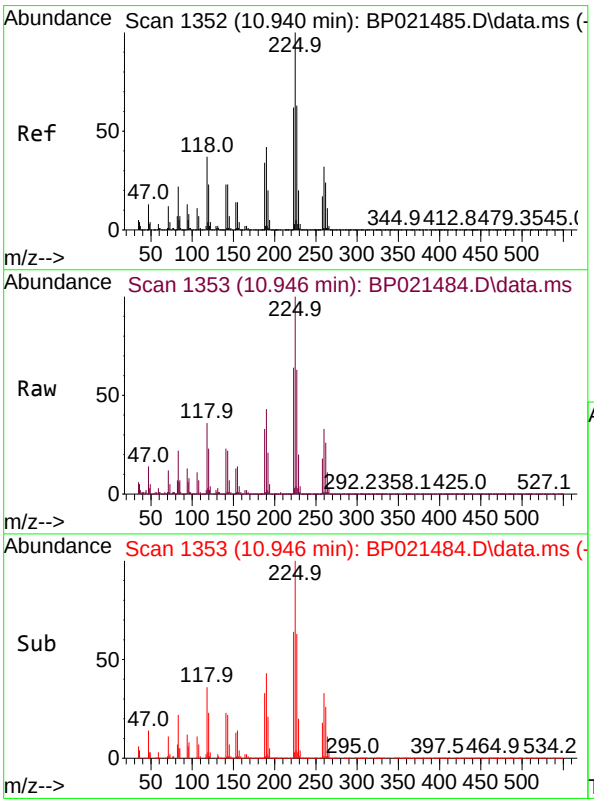
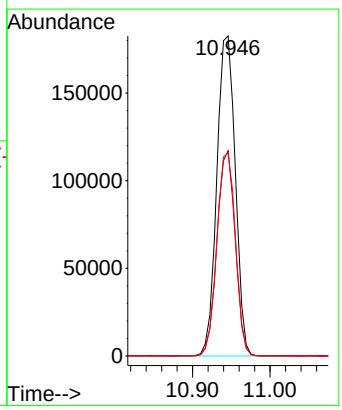
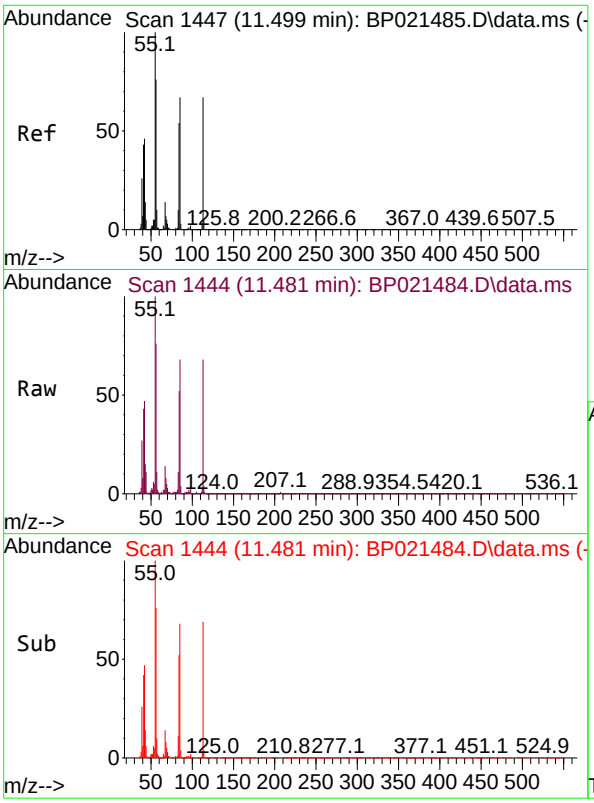


#34
Hexachlorobutadiene
Concen: 20.189 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:225 Resp: 302459

Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.6	74.4
227	63.4	50.1	75.1

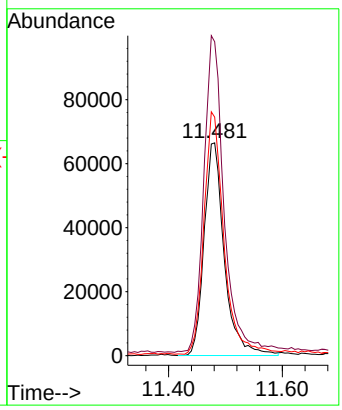




#35
Caprolactam
Concen: 21.189 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:113 Resp: 16366

Ion	Ratio	Lower	Upper
113	100		
55	147.5	130.6	170.6
56	112.1	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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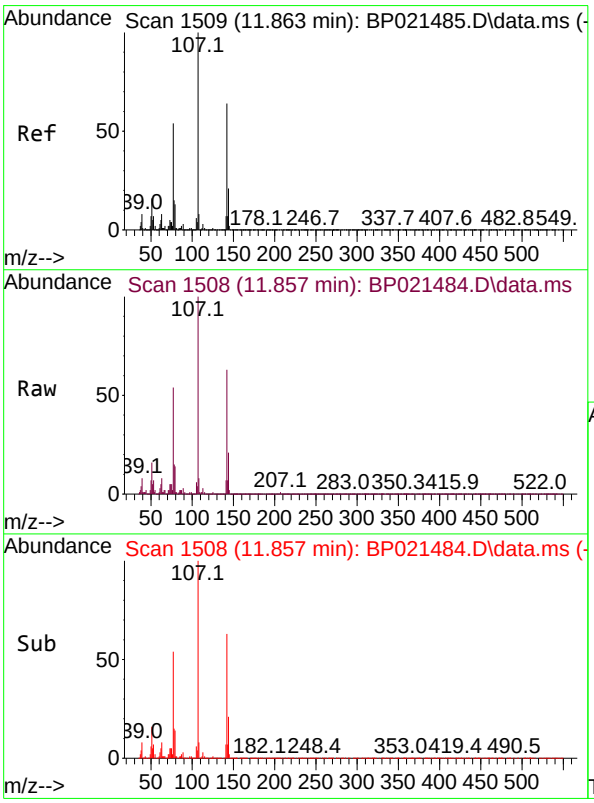
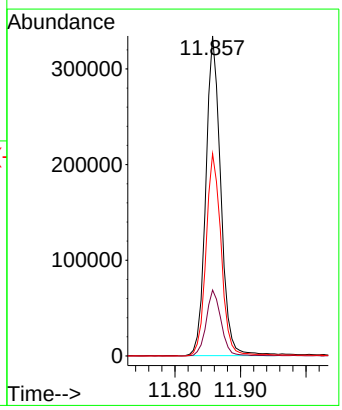
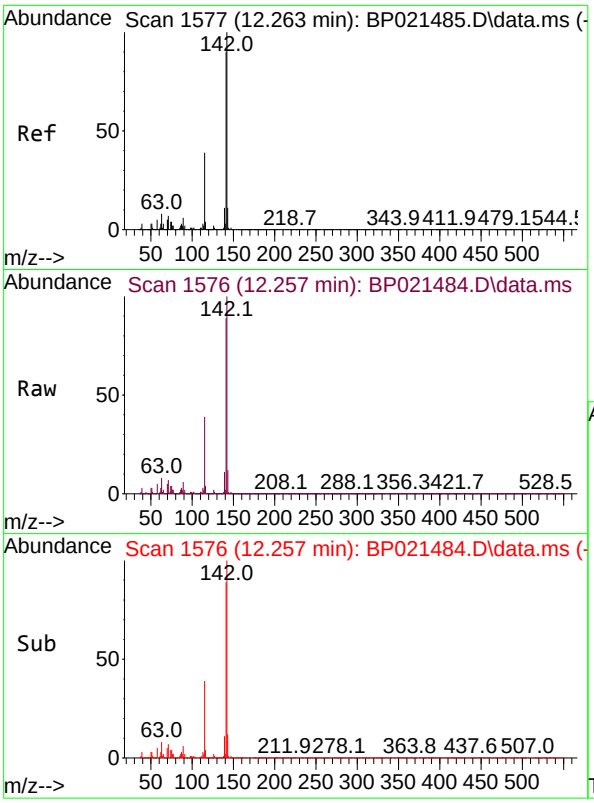


#36
4-Chloro-3-methylphenol
Concen: 20.628 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 531060

Ion	Ratio	Lower	Upper
107	100		
144	20.6	16.6	24.8
142	63.2	51.0	76.4

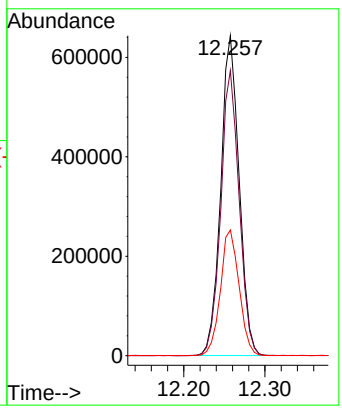




#37
2-Methylnaphthalene
Concen: 20.478 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 101527

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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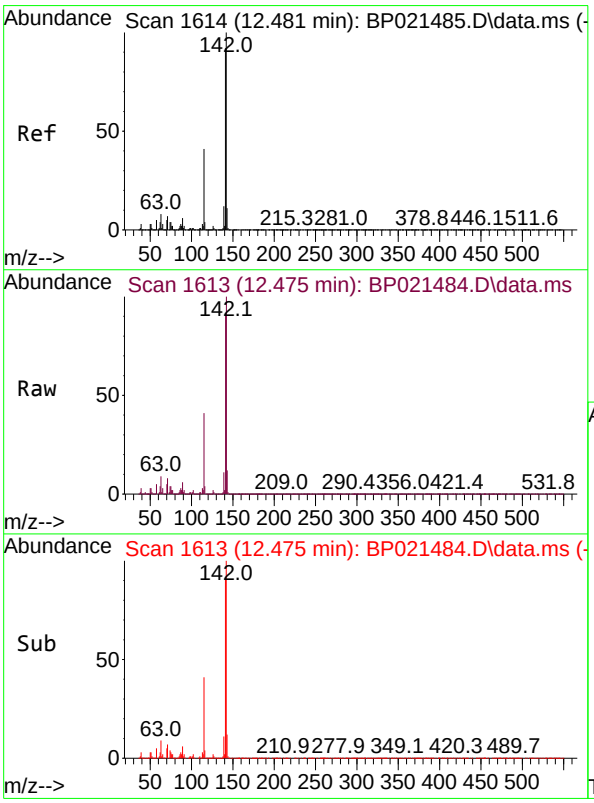
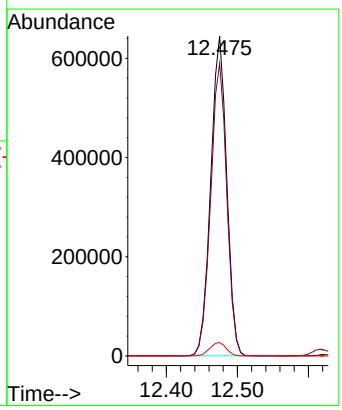
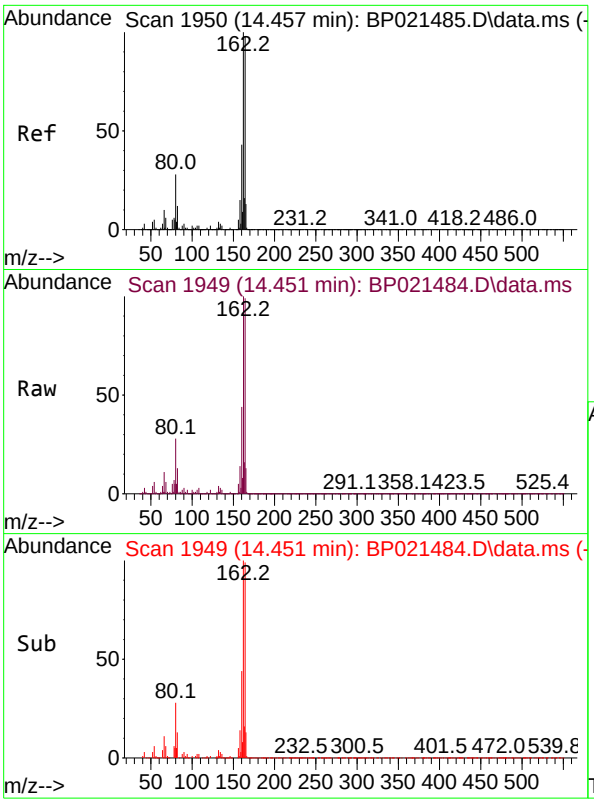


#38
1-Methylnaphthalene
Concen: 20.619 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 1008222

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2

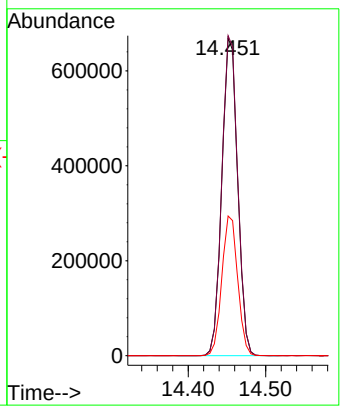




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:164 Resp: 94794

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.0	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
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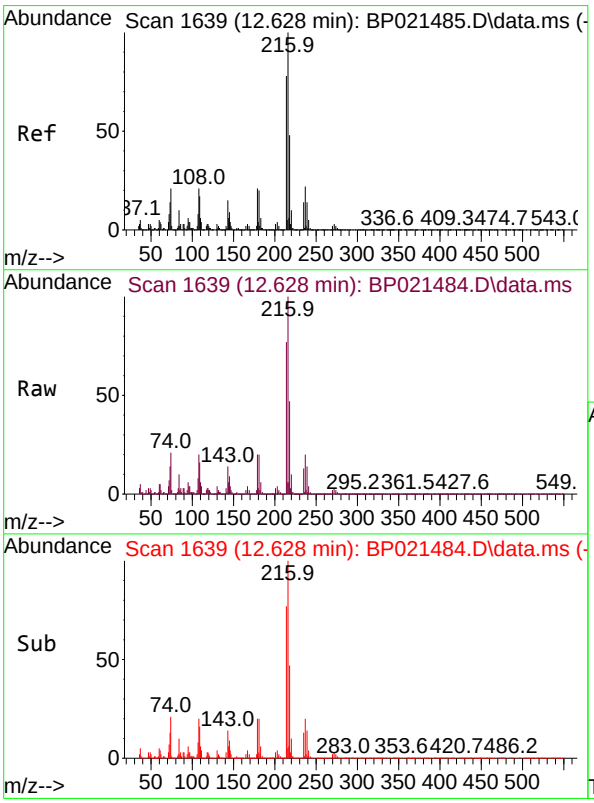
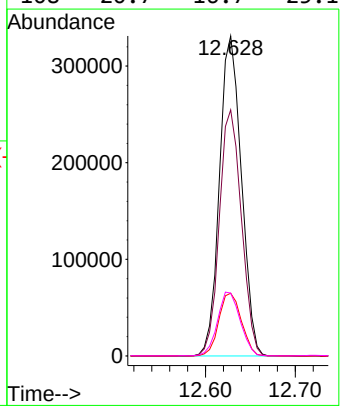
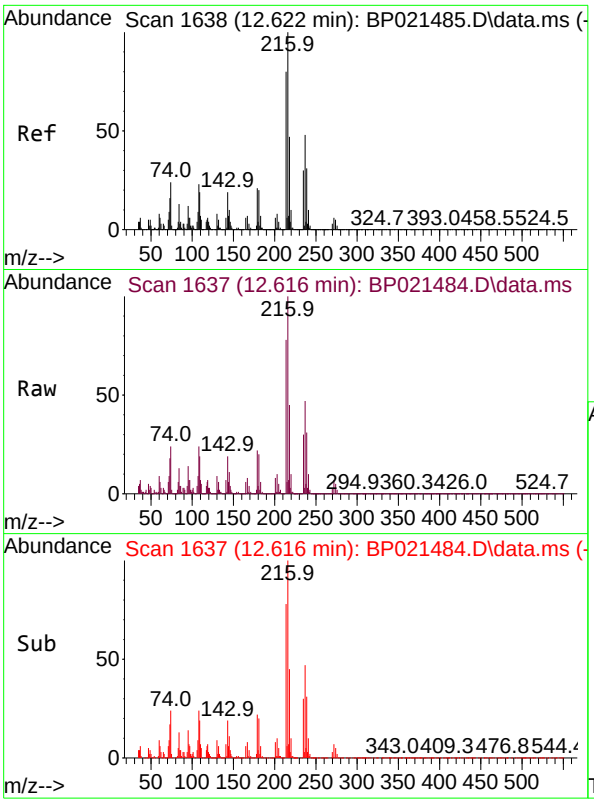


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.209 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:216 Resp: 561317

Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.5	93.7
179	20.2	16.4	24.6
108	20.7	16.7	25.1

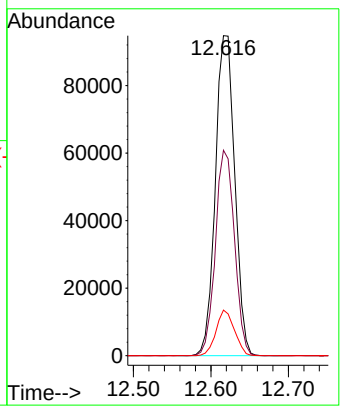




#41
Hexachlorocyclopentadiene
Concen: 18.709 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:237 Resp: 16469

Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.9	83.9
272	14.2	0.0	33.3



Instrument :
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ClientSampleId :
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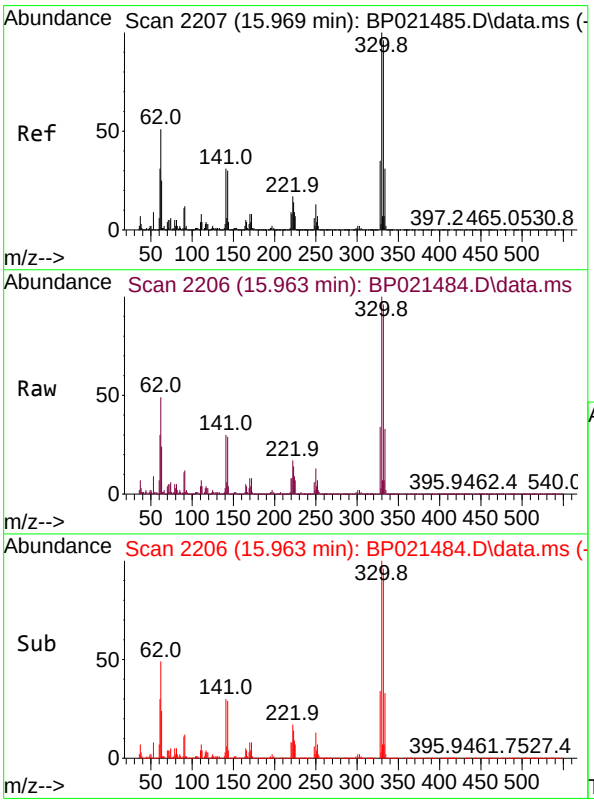
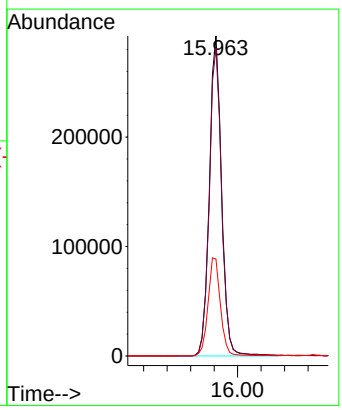
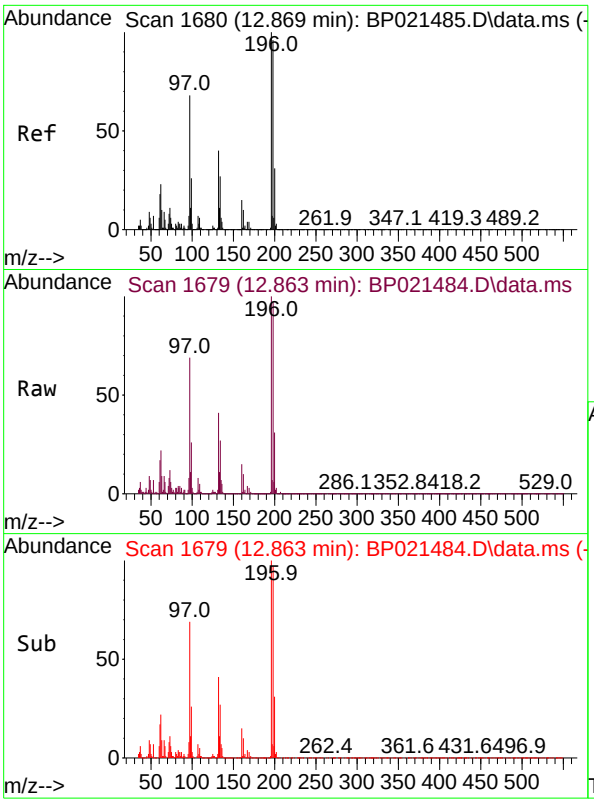


#42
2,4,6-Tribromophenol
Concen: 39.955 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:330 Resp: 421534

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.2	24.5	36.7

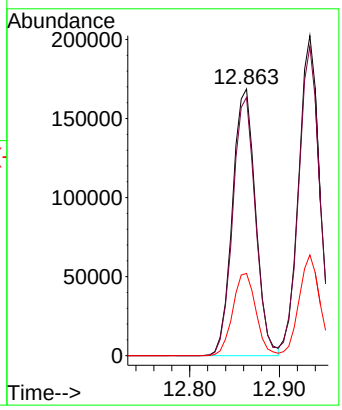




#43
2,4,6-Trichlorophenol
Concen: 19.562 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 30182

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.6	114.8
200	30.8	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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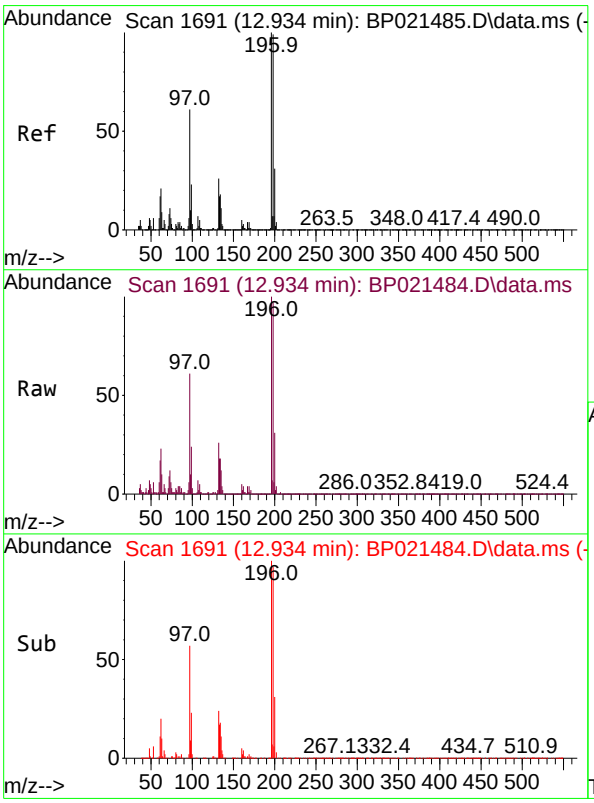
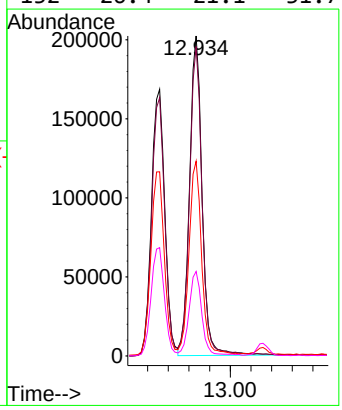
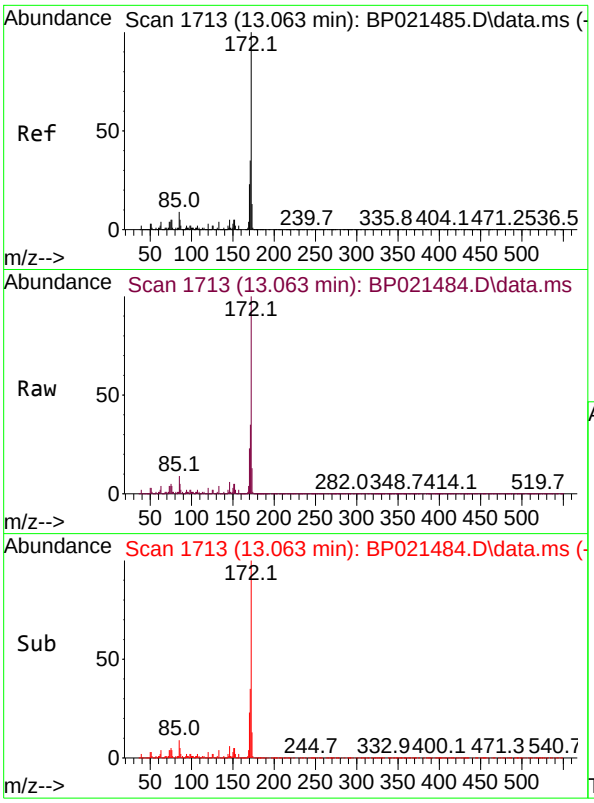


#44
2,4,5-Trichlorophenol
Concen: 19.897 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 341066

Ion	Ratio	Lower	Upper
196	100		
198	96.7	78.9	118.3
97	60.8	49.4	74.0
132	26.4	21.1	31.7

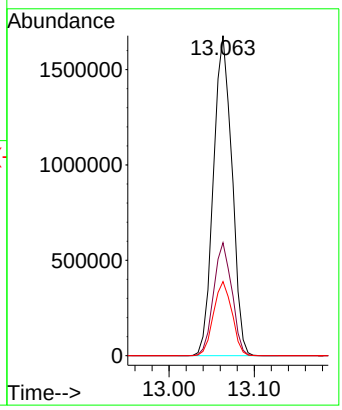




#45
2-Fluorobiphenyl
Concen: 40.758 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:172 Resp: 253160

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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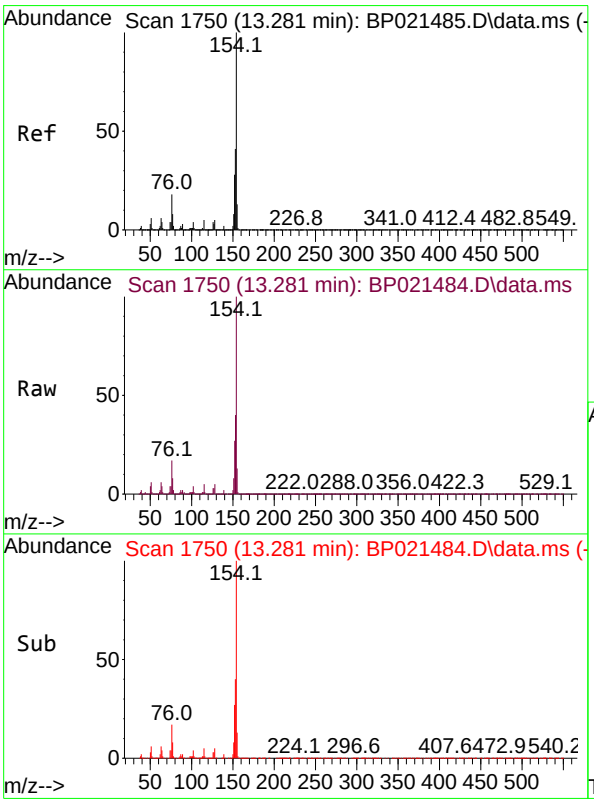
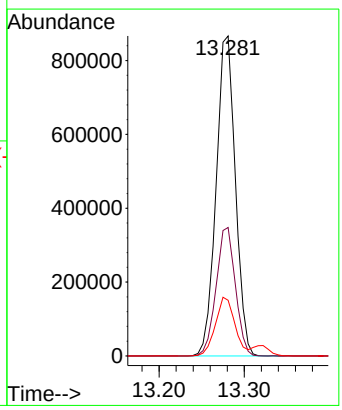
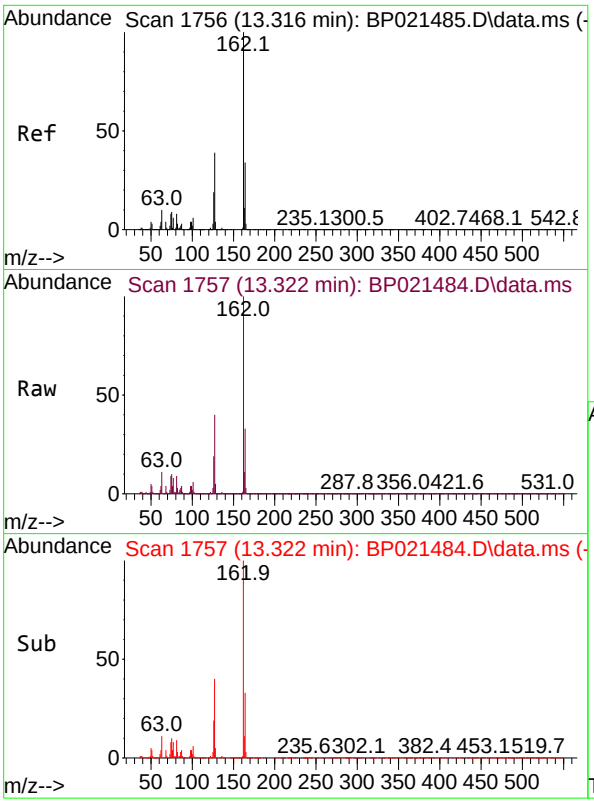


#46
1,1'-Biphenyl
Concen: 20.263 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1359024

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	17.4	0.0	37.7

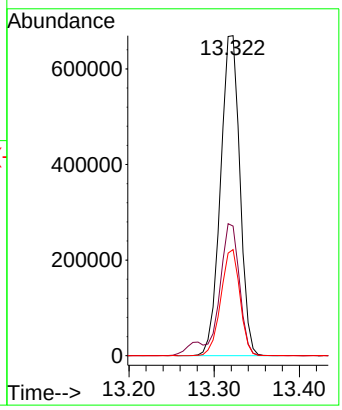




#47
2-Chloronaphthalene
Concen: 20.282 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 105899

Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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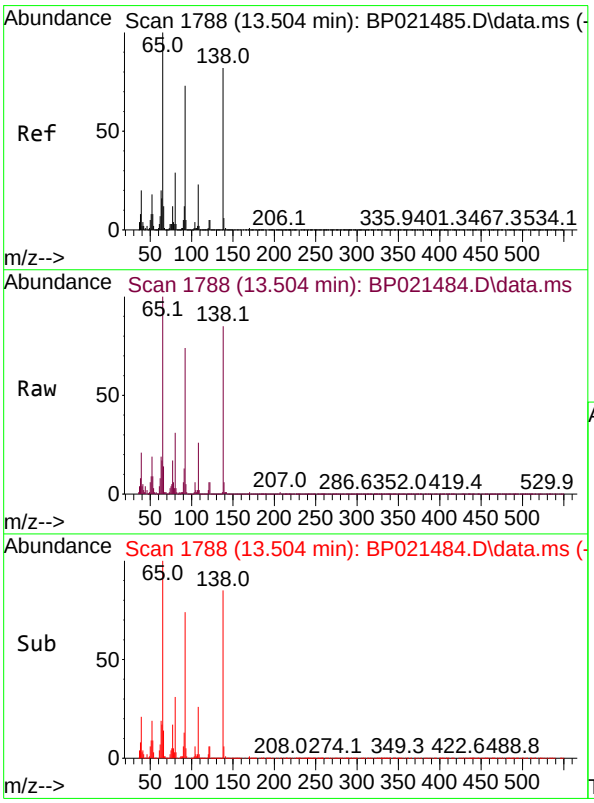
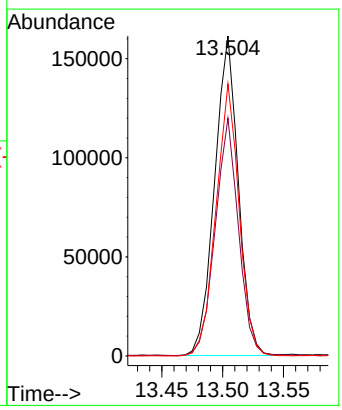
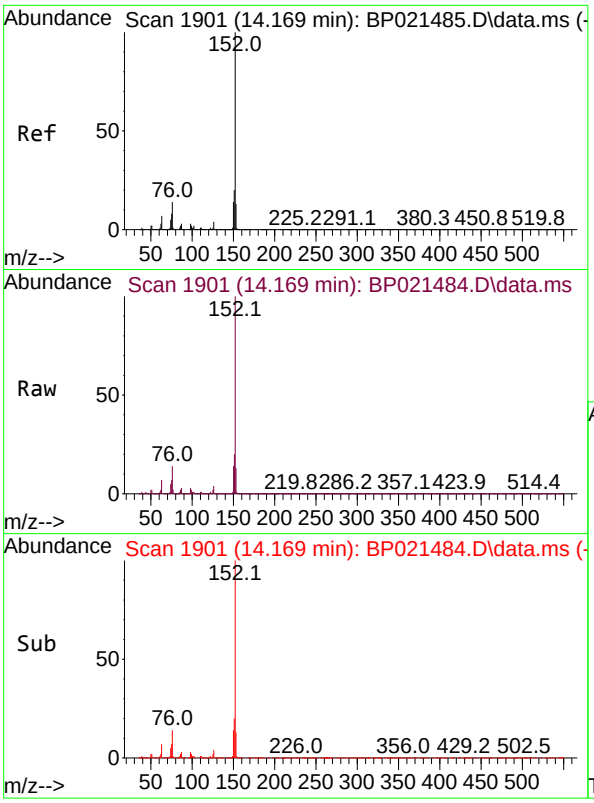


#48
2-Nitroaniline
Concen: 18.481 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 65 Resp: 218570

Ion	Ratio	Lower	Upper
65	100		
92	74.3	58.1	87.1
138	85.1	65.5	98.3

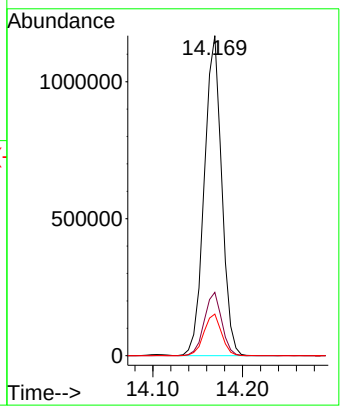




#49
Acenaphthylene
Concen: 20.468 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 157110

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.6	16.0



Instrument :
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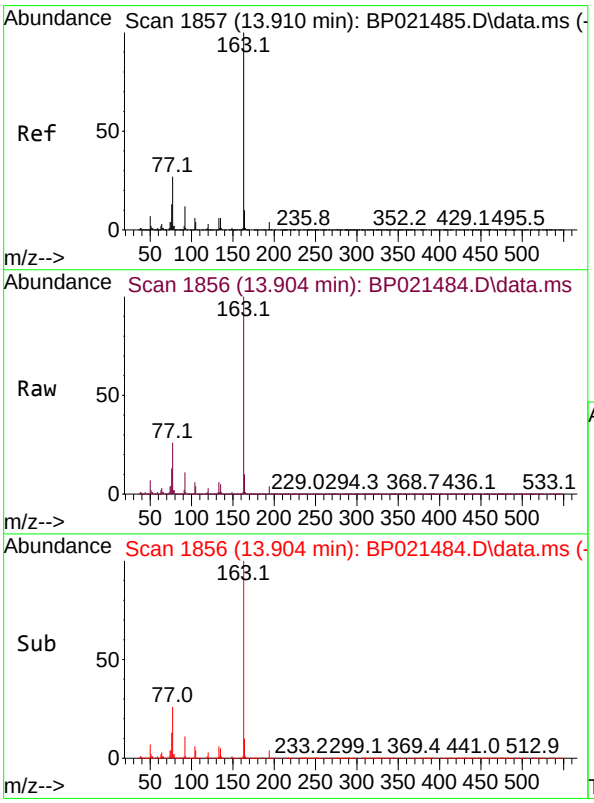
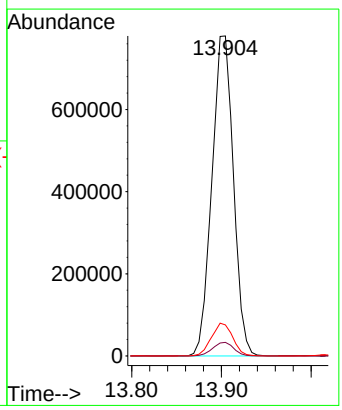
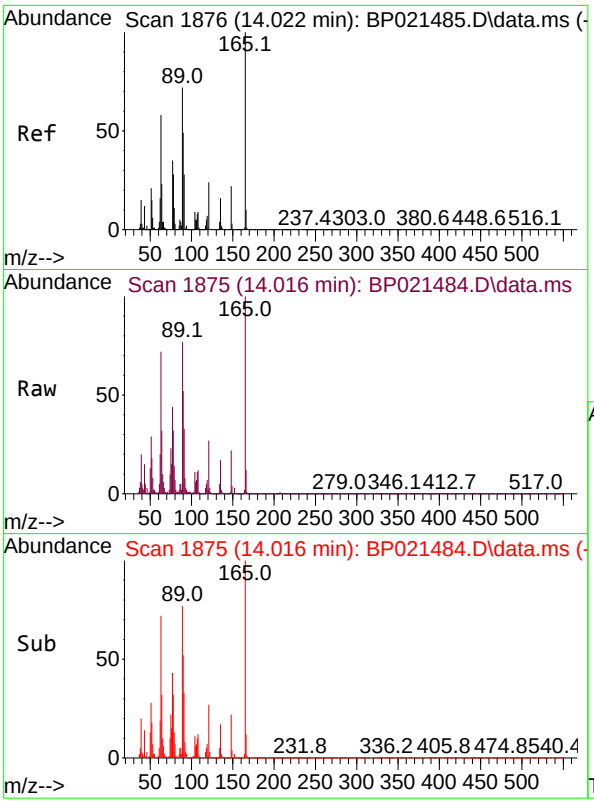


#50
Dimethylphthalate
Concen: 20.442 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:163 Resp: 1297733

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.7	8.3	12.5

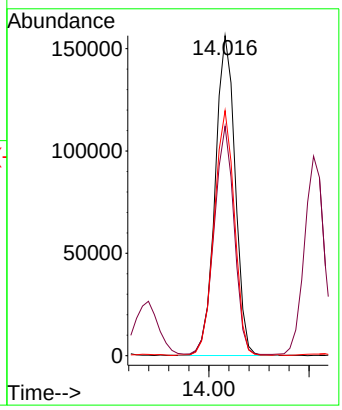




#51
2,6-Dinitrotoluene
Concen: 19.423 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:165 Resp: 21561

Ion	Ratio	Lower	Upper
165	100		
63	71.7	51.5	77.3
89	76.6	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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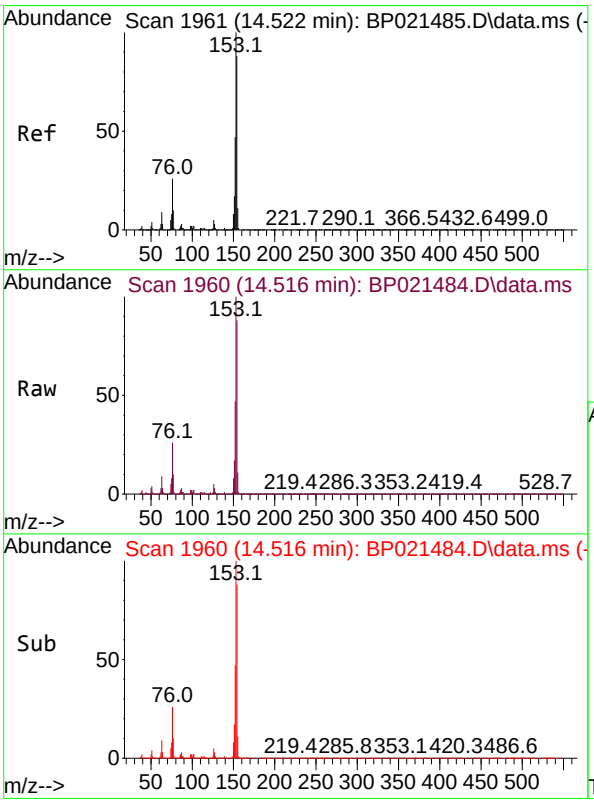
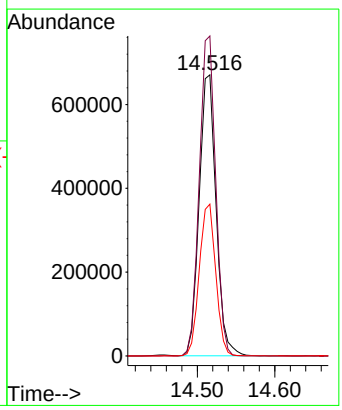
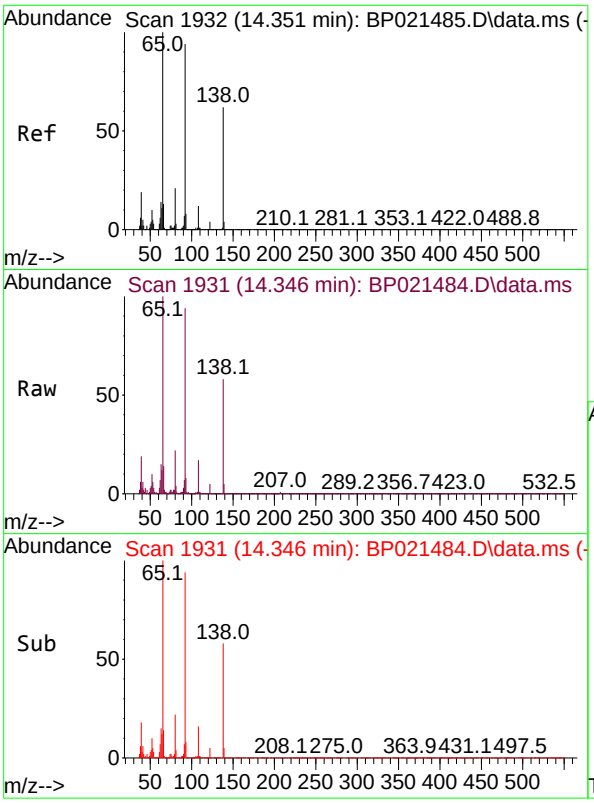


#52
Acenaphthene
Concen: 20.223 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1018510

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 19.232 ng
RT: 14.346 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 20949

Ion	Ratio	Lower	Upper
138	100		
108	29.2	16.2	24.4#
92	162.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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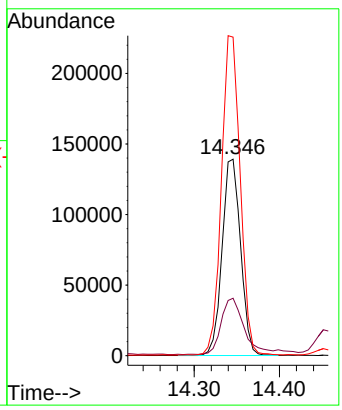
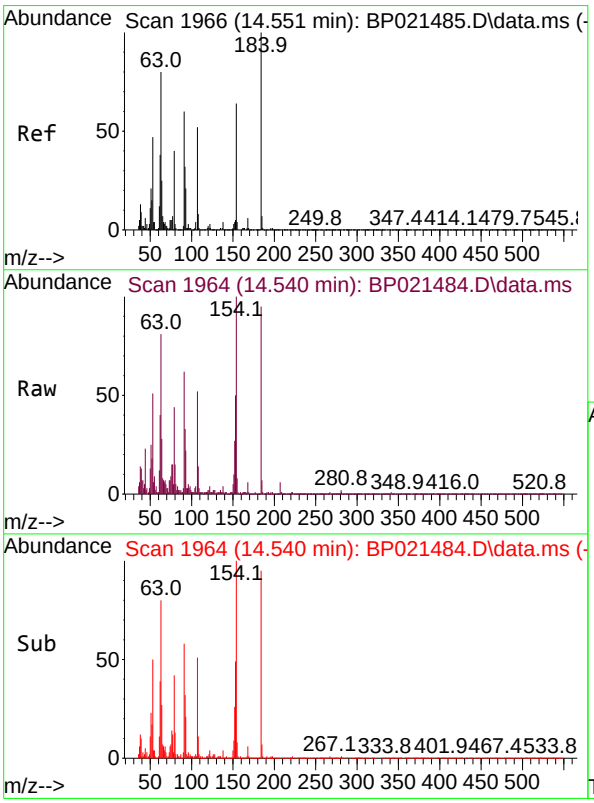
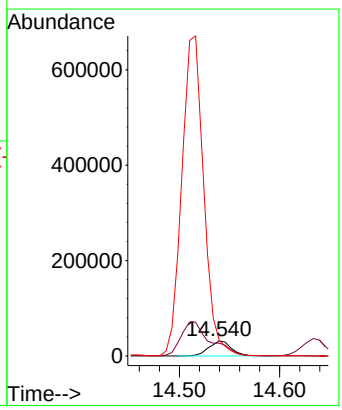


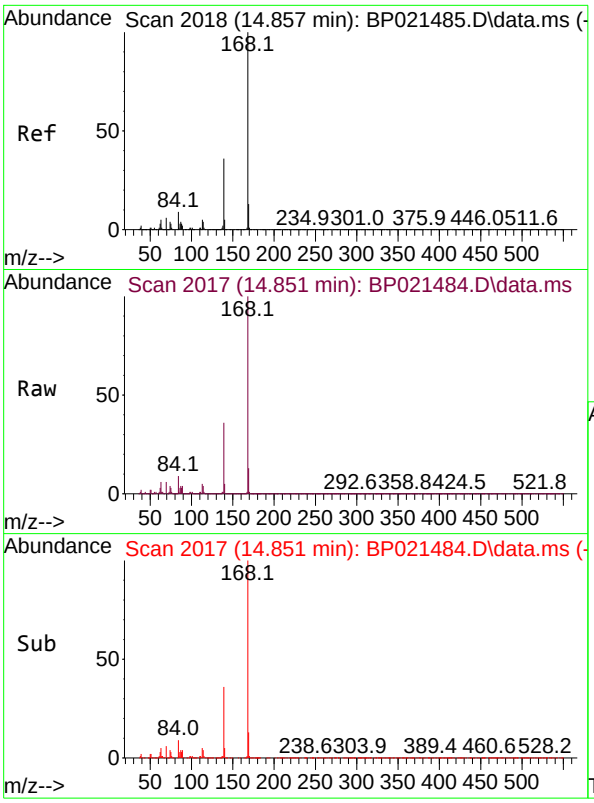


#54
2,4-Dinitrophenol
Concen: 19.714 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 49171

Ion	Ratio	Lower	Upper
184	100		
63	85.8	64.9	97.3
154	105.7	52.1	78.1#

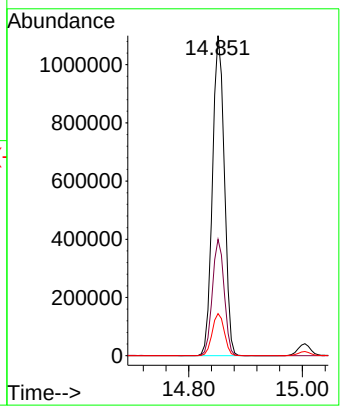




#55
Dibenzofuran
Concen: 20.515 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:168 Resp: 158941

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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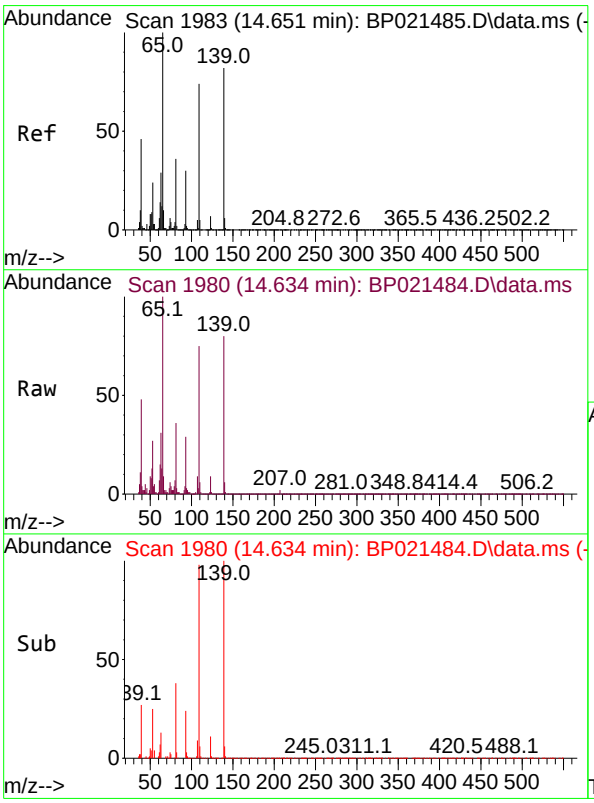
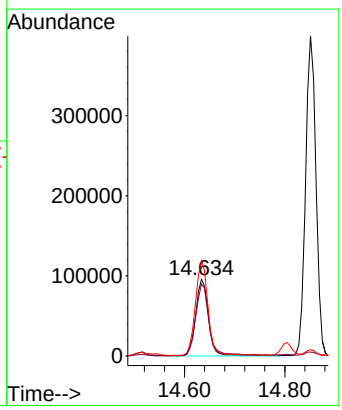
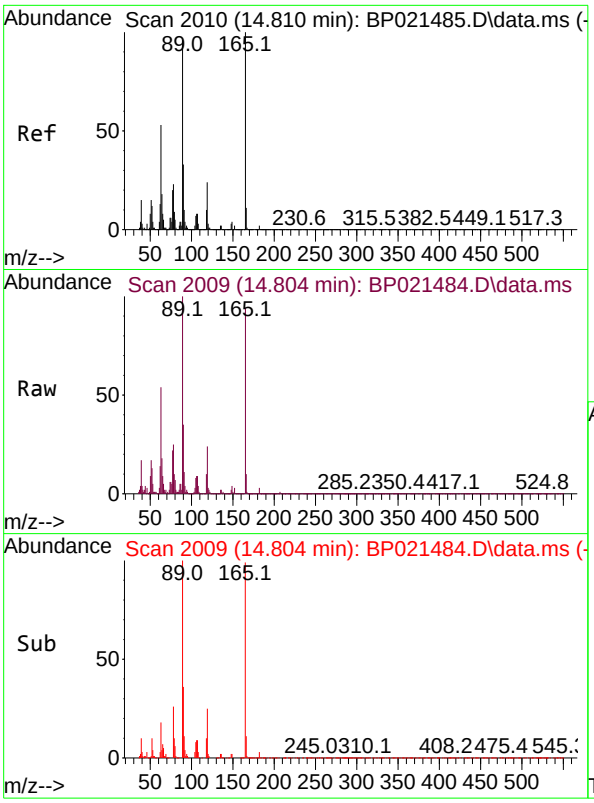


#56
4-Nitrophenol
Concen: 20.016 ng
RT: 14.634 min Scan# 1980
Delta R.T. -0.017 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 167932

Ion	Ratio	Lower	Upper
139	100		
109	93.8	70.2	110.2
65	124.4	101.8	141.8

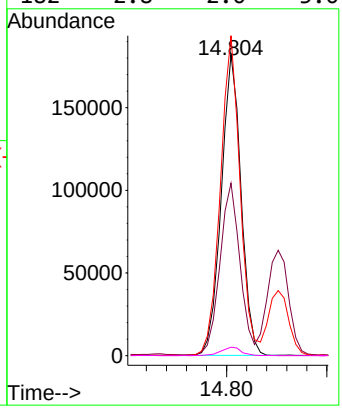




#57
2,4-Dinitrotoluene
Concen: 18.676 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:165 Resp: 24840

Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.5	63.7
89	106.3	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
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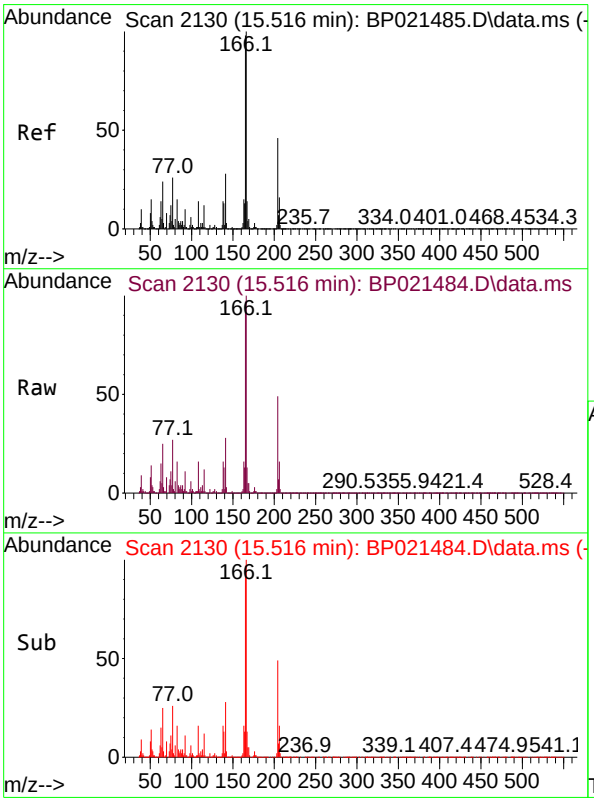
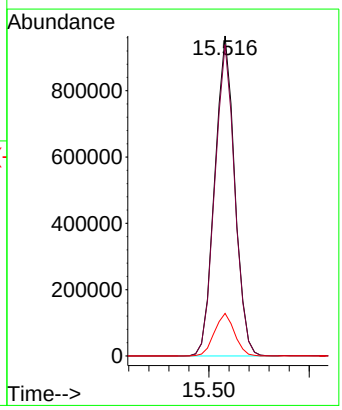
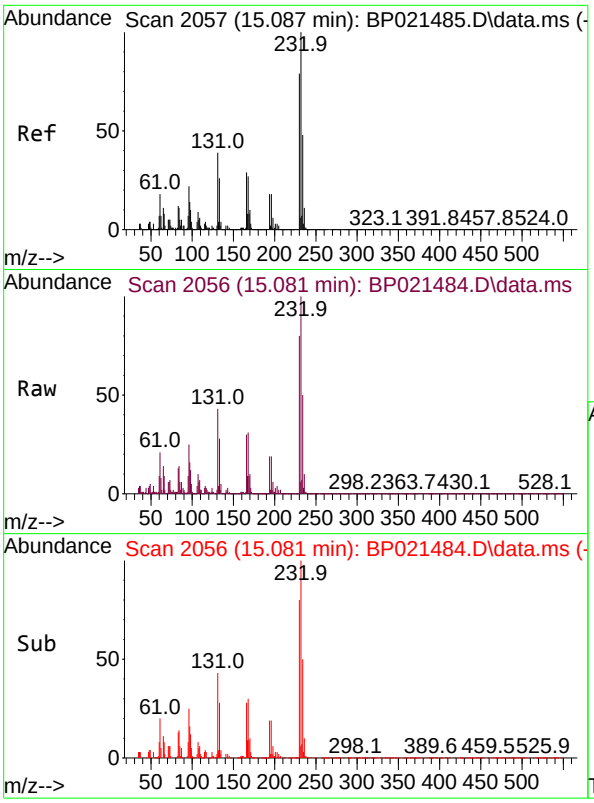


#58
Fluorene
Concen: 20.975 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:166 Resp: 1334998

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.3	11.0	16.4

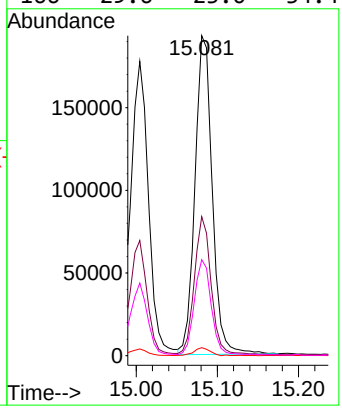




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.679 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:232 Resp: 28632

Ion	Ratio	Lower	Upper
232	100		
131	42.6	33.1	49.7
130	2.3	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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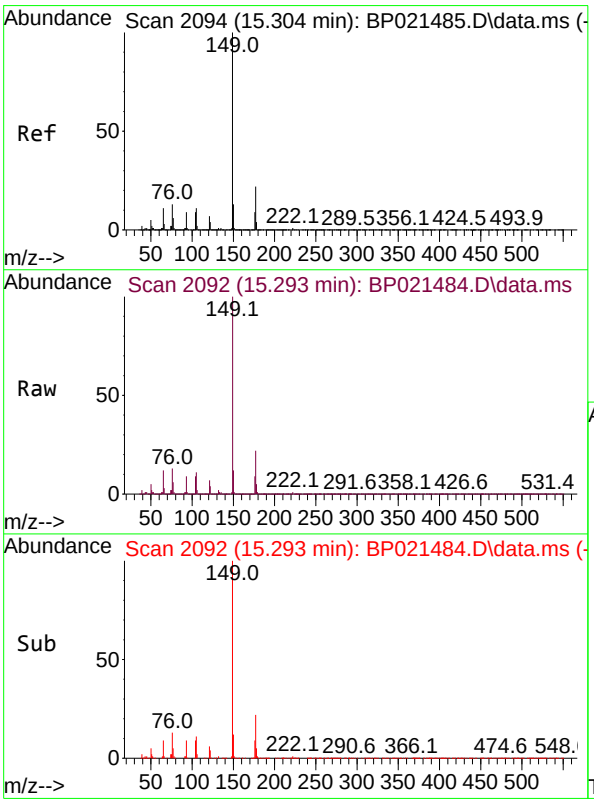
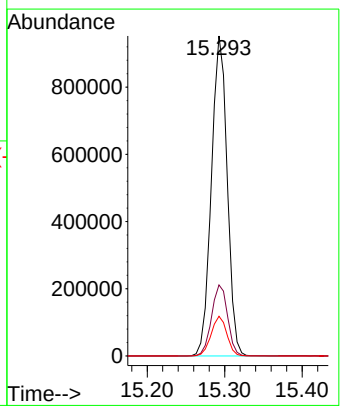
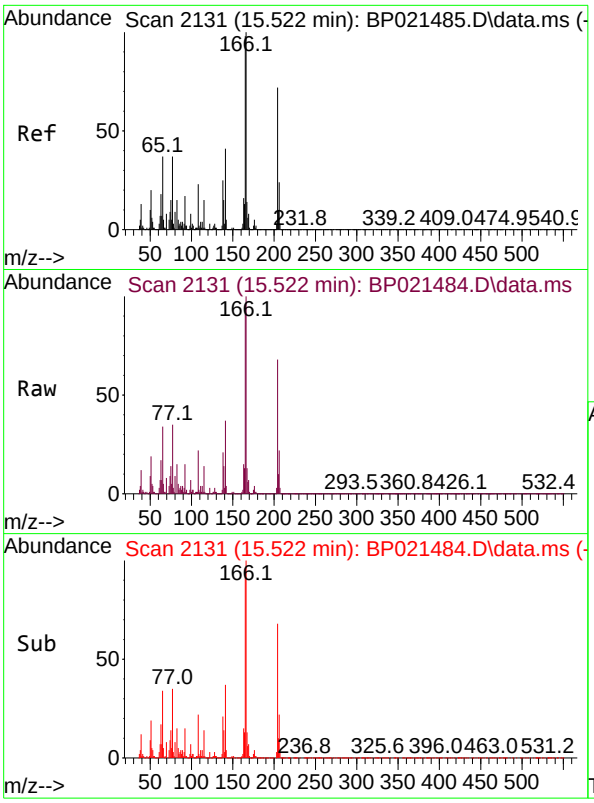


#60
Diethylphthalate
Concen: 20.773 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1353063

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.4	10.1	15.1

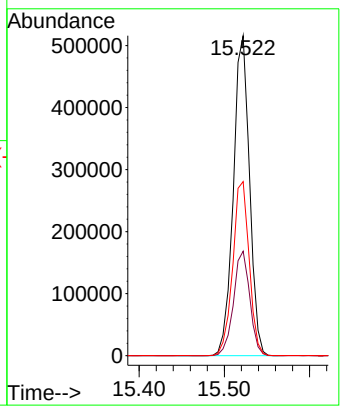




#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:204 Resp: 68098

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	54.4	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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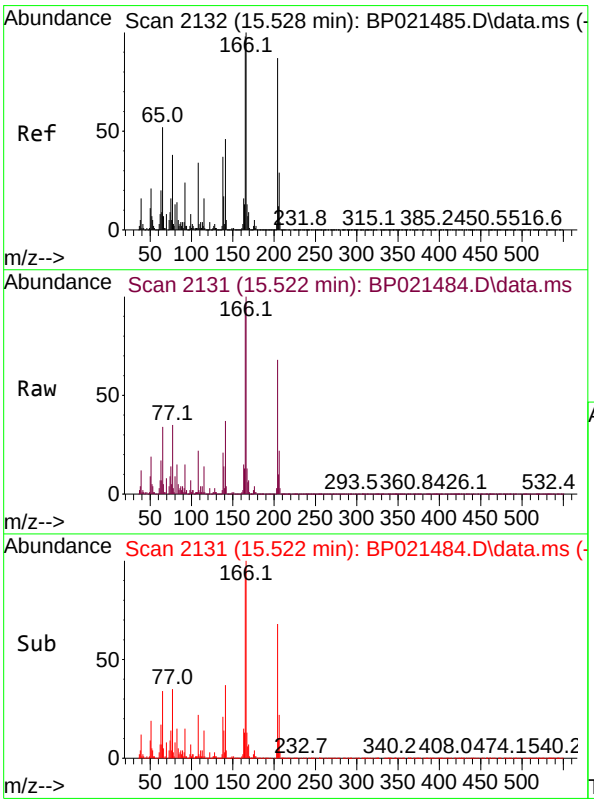
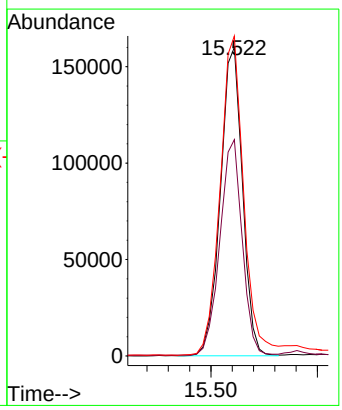
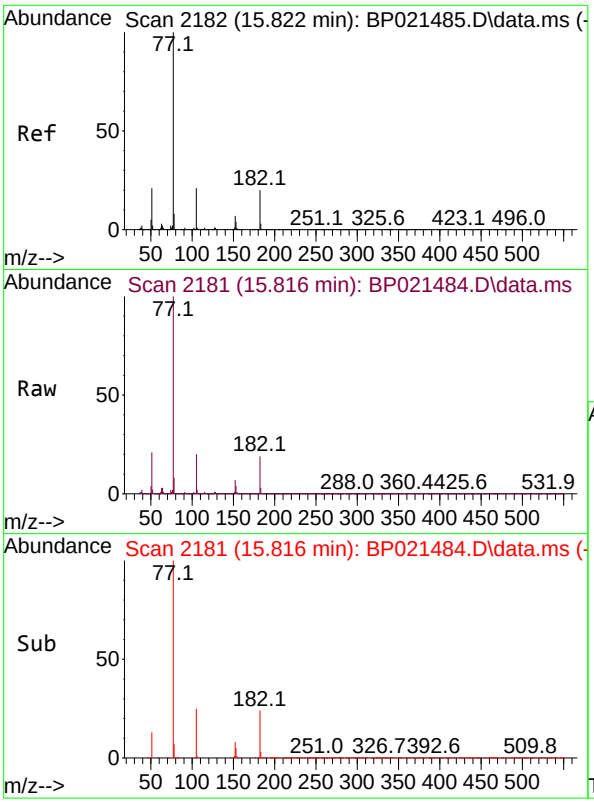


#62
4-Nitroaniline
Concen: 19.603 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 229769

Ion	Ratio	Lower	Upper
138	100		
92	70.1	46.4	86.4
108	103.7	73.2	113.2





#63
Azobenzene
Concen: 21.052 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 168560

Ion	Ratio	Lower	Upper
77	100		
182	19.3	0.0	39.9
105	20.3	0.9	40.9
51	21.2	1.4	41.4

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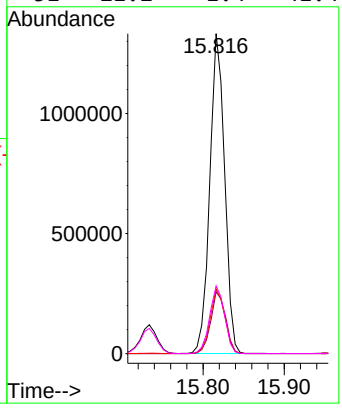
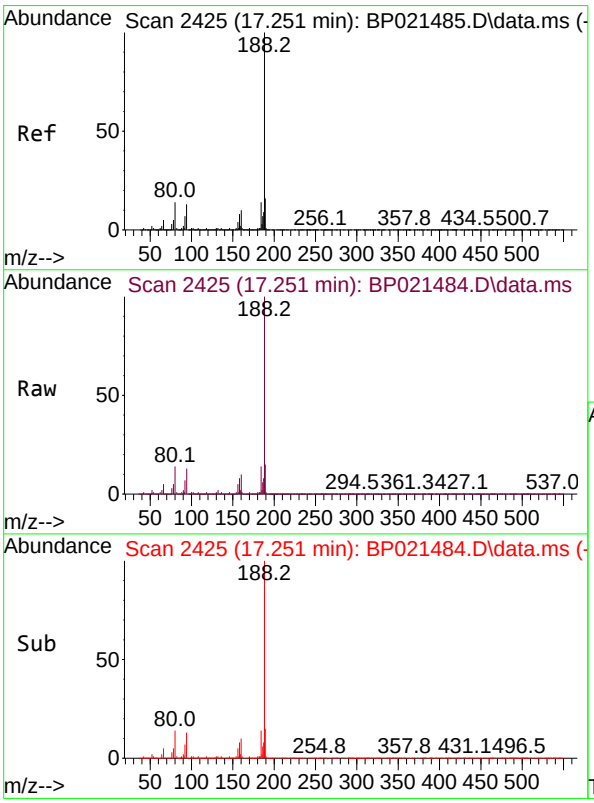
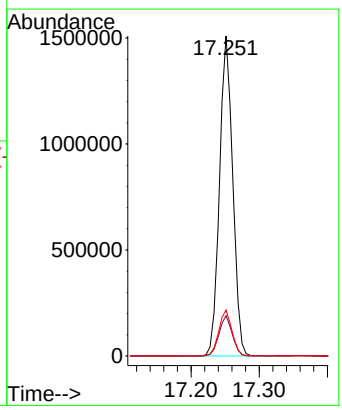


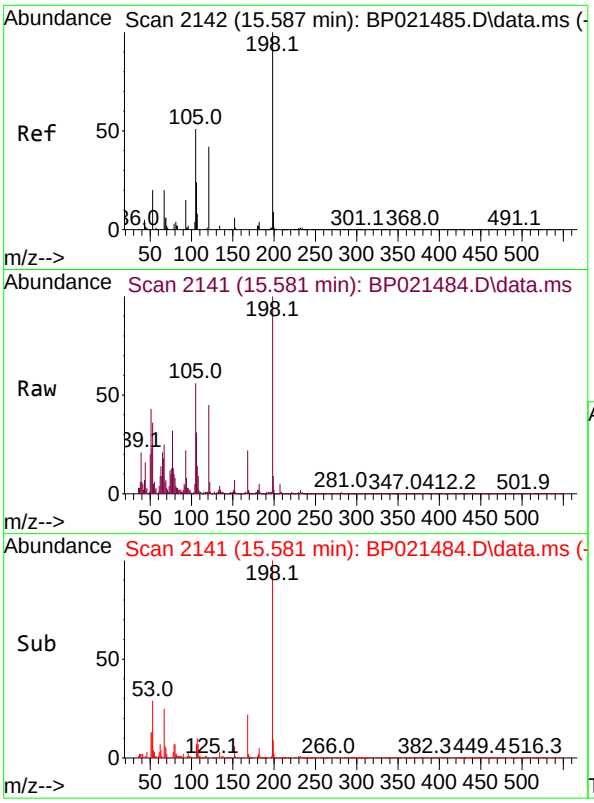


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:188 Resp: 2036378

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.4
80	14.4	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 19.364 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:198 Resp: 7939

Ion	Ratio	Lower	Upper
198	100		
51	43.0	21.5	61.5
105	56.2	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
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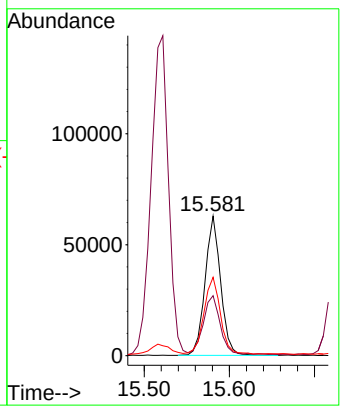
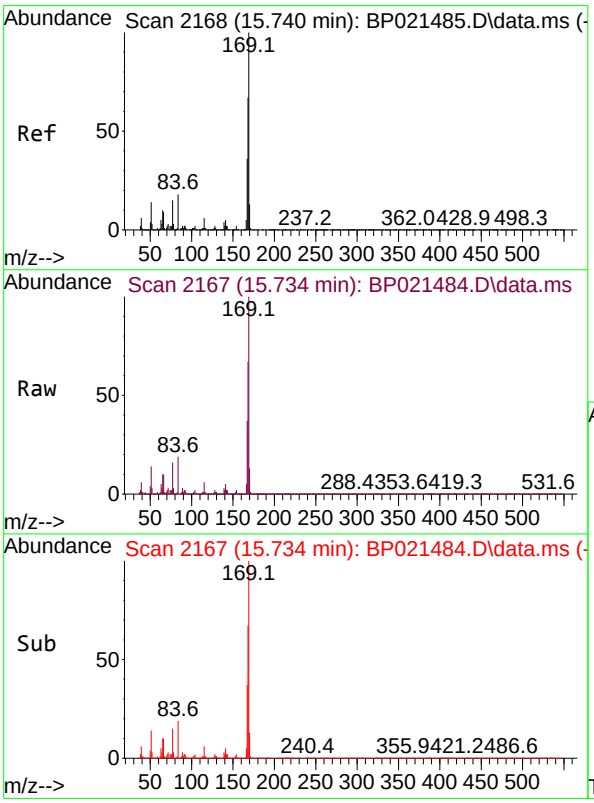
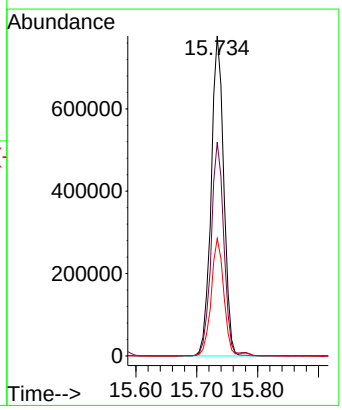


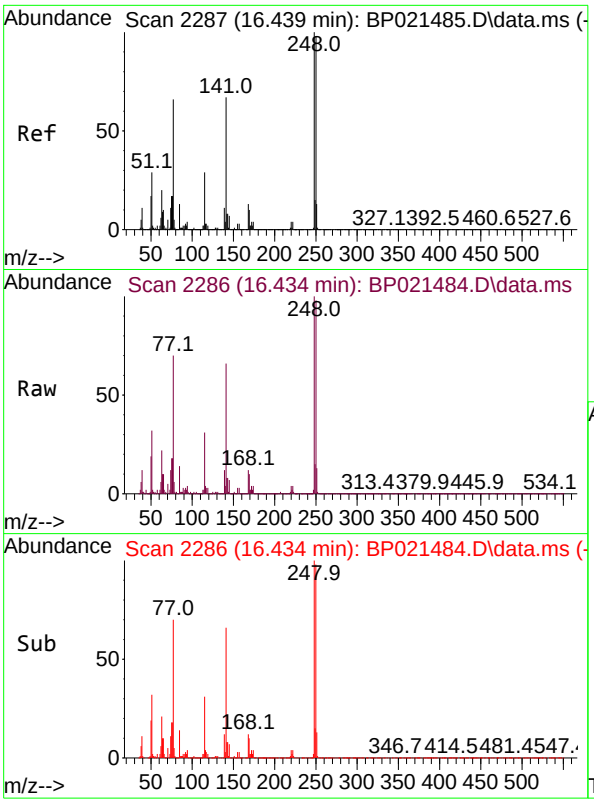


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:169 Resp: 1118083

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 20.052 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:248 Resp: 43216

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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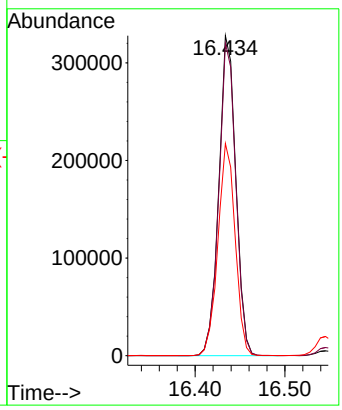
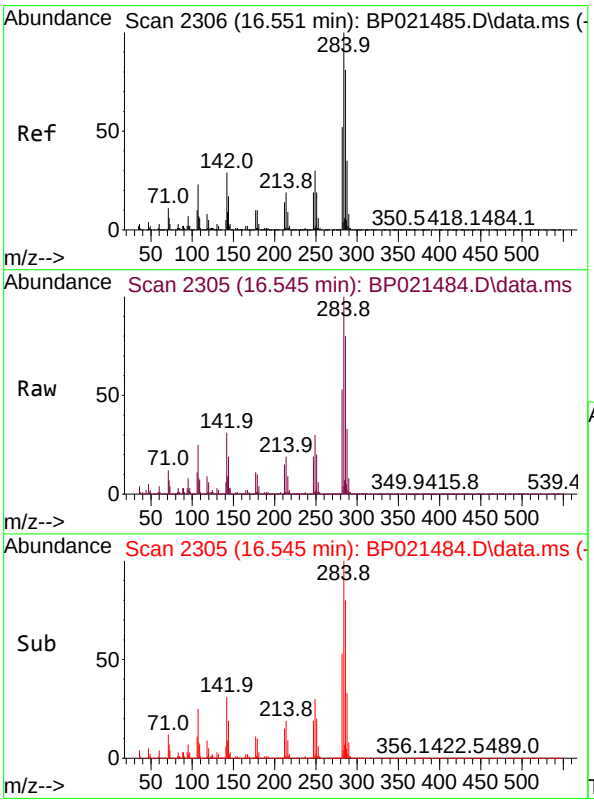
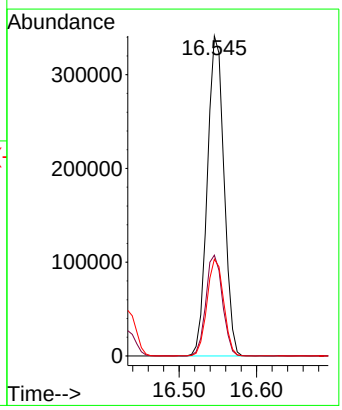


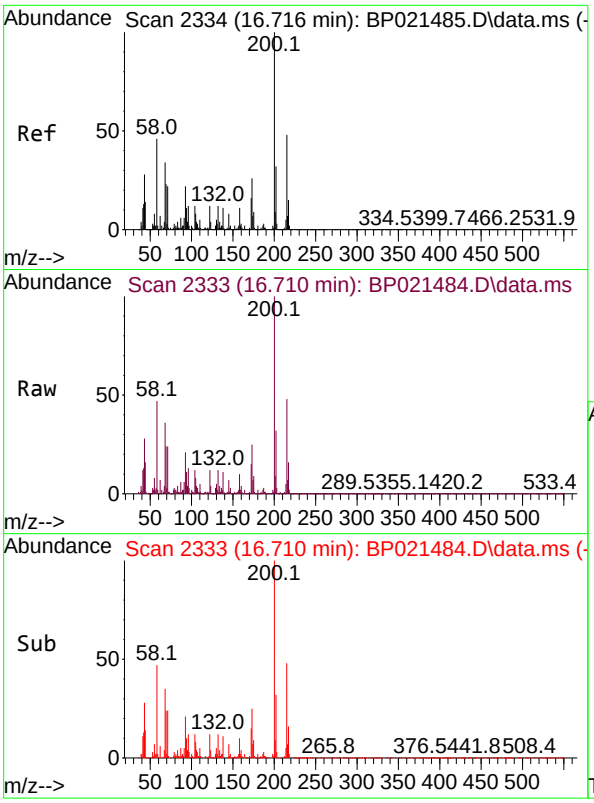


#68
Hexachlorobenzene
Concen: 20.002 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:284 Resp: 509441

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.3	24.1	36.1

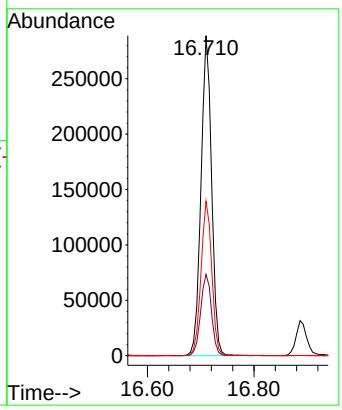




#69
Atrazine
Concen: 21.266 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:200 Resp: 39844

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.2	46.2
215	48.3	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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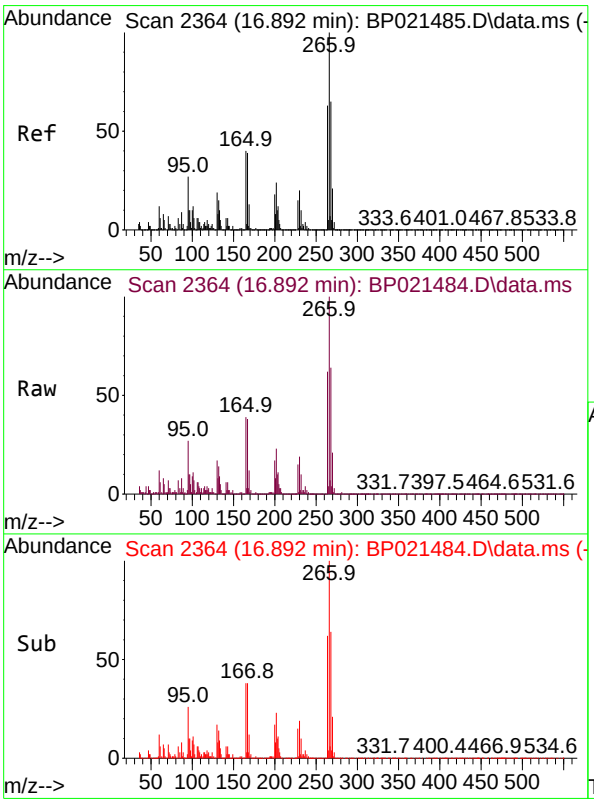
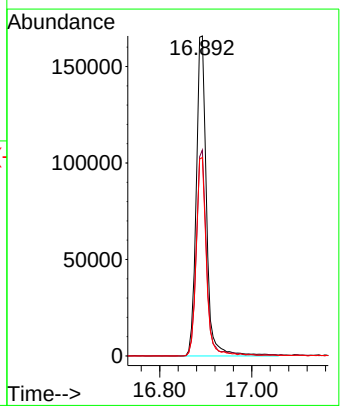
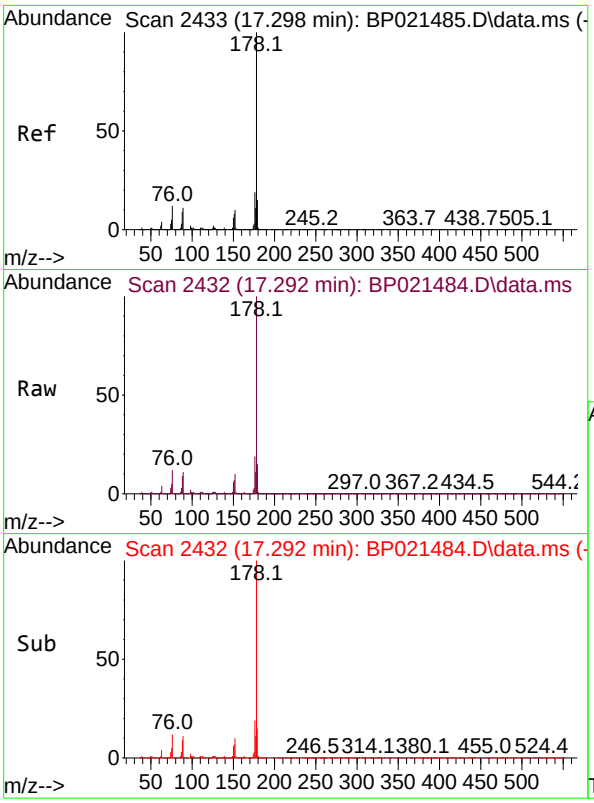


#70
Pentachlorophenol
Concen: 18.381 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:266 Resp: 255526

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.8	77.6
264	62.0	50.5	75.7

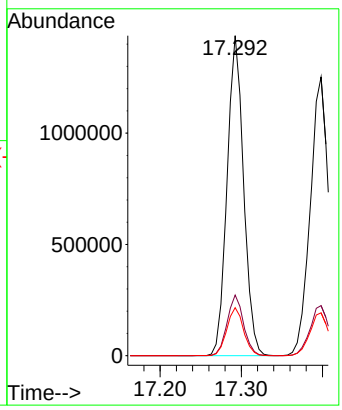




#71
Phenanthrene
Concen: 20.760 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 203307

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.0	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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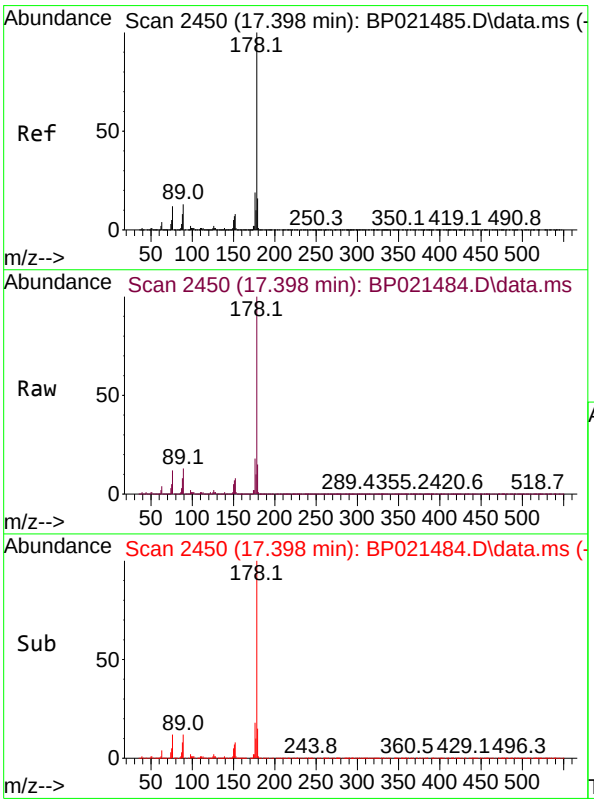
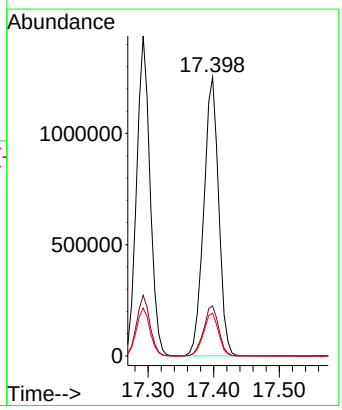
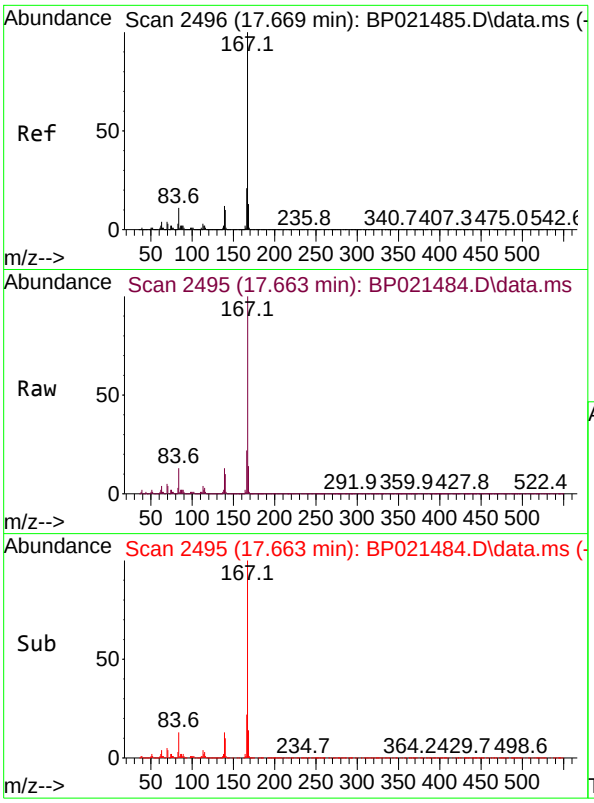


#72
Anthracene
Concen: 20.574 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 1976030

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.4	12.5	18.7

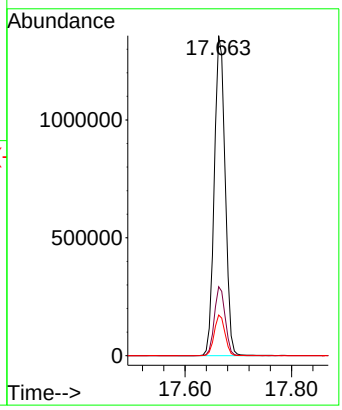




#73
Carbazole
Concen: 20.709 ng
RT: 17.663 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:167 Resp: 191683

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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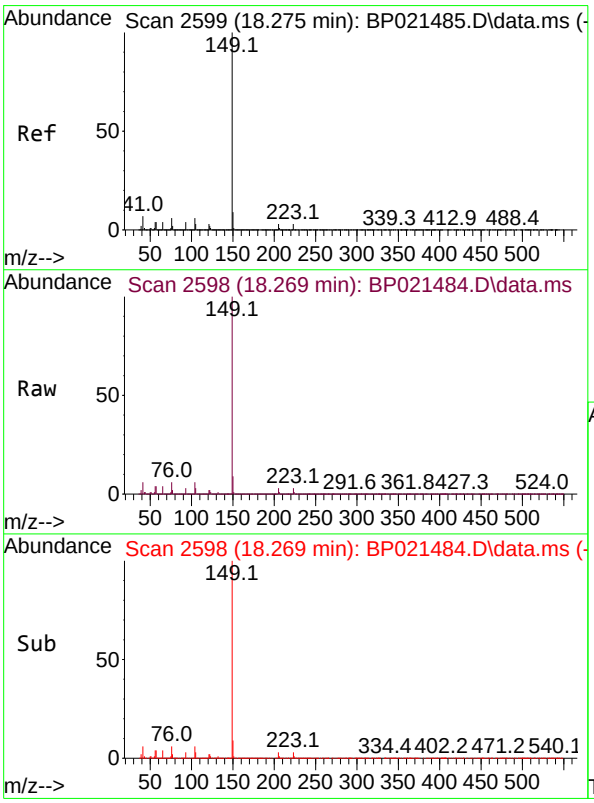
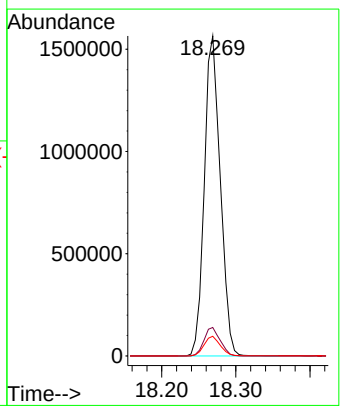
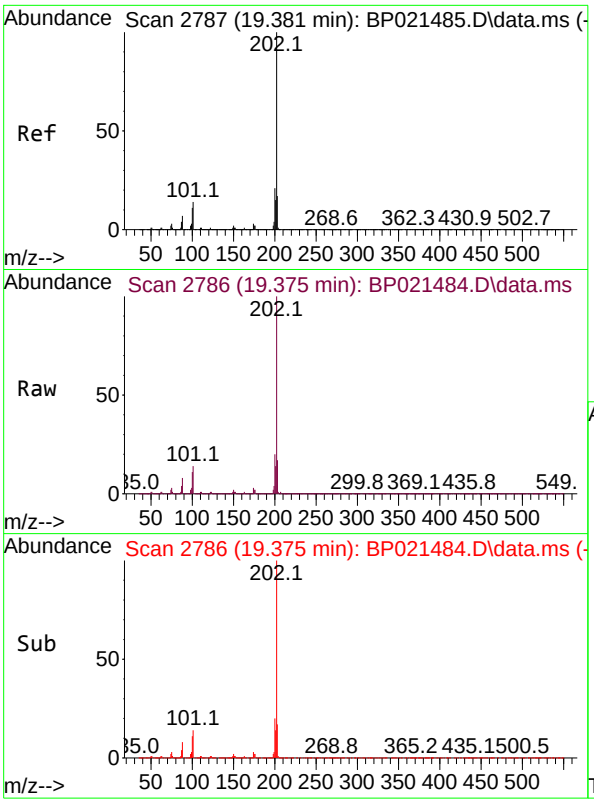


#74
Di-n-butylphthalate
Concen: 20.587 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 2340289

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.1	4.9	7.3

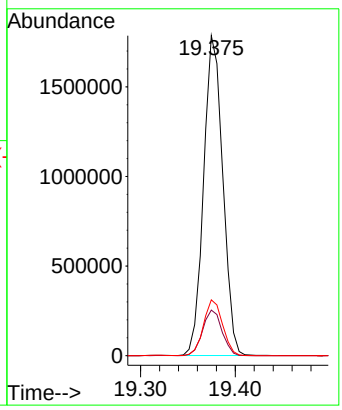




#75
Fluoranthene
Concen: 20.902 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:202 Resp: 251168

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.0
203	17.4	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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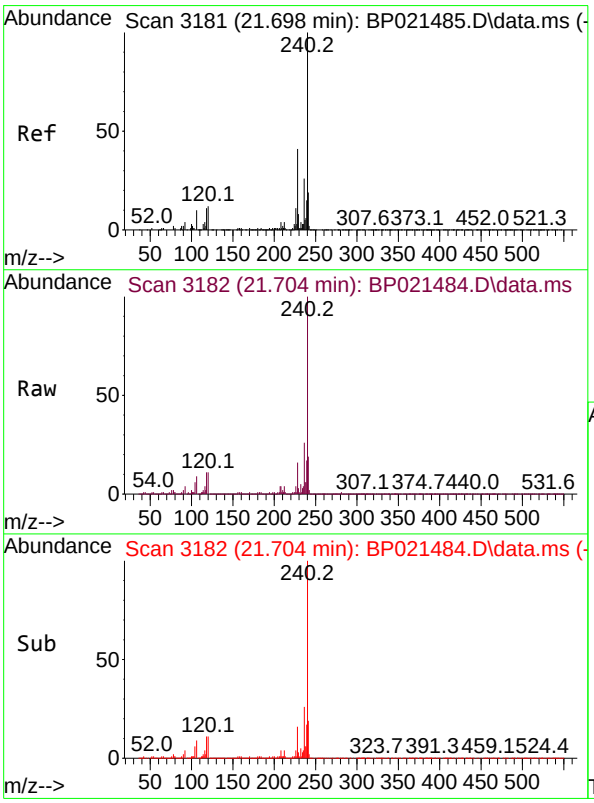
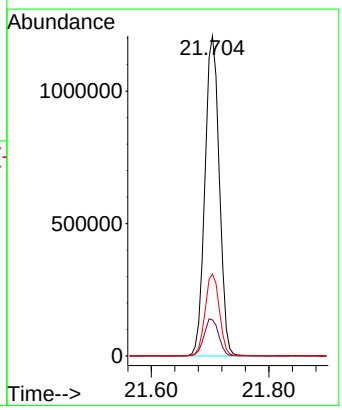
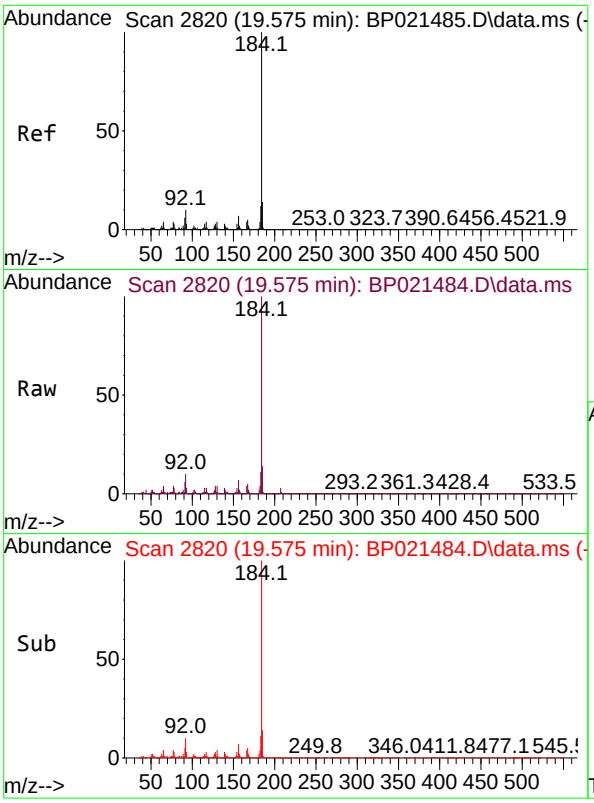


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:240 Resp: 2051361

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	25.6	20.6	30.8

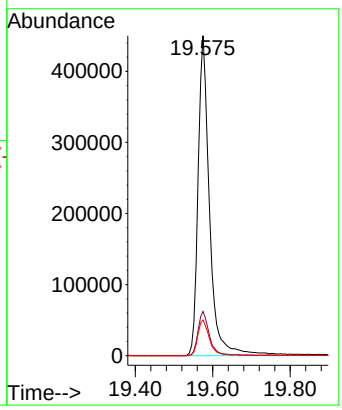




#77
Benzidine
Concen: 20.258 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 92419

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.0
183	11.2	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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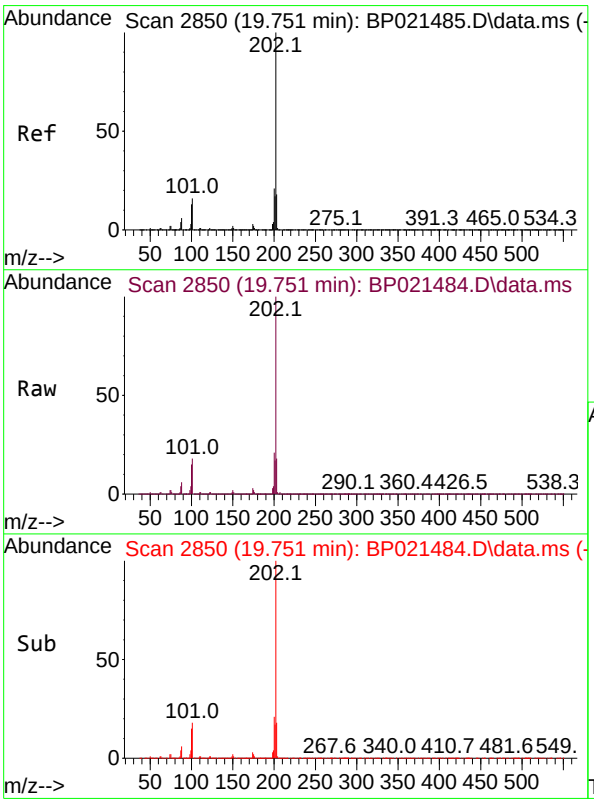
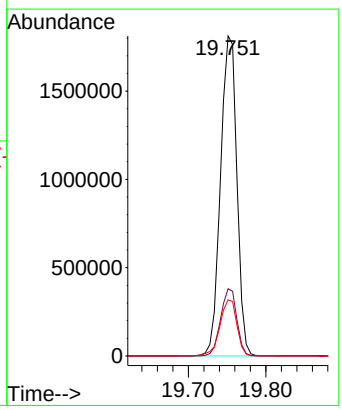
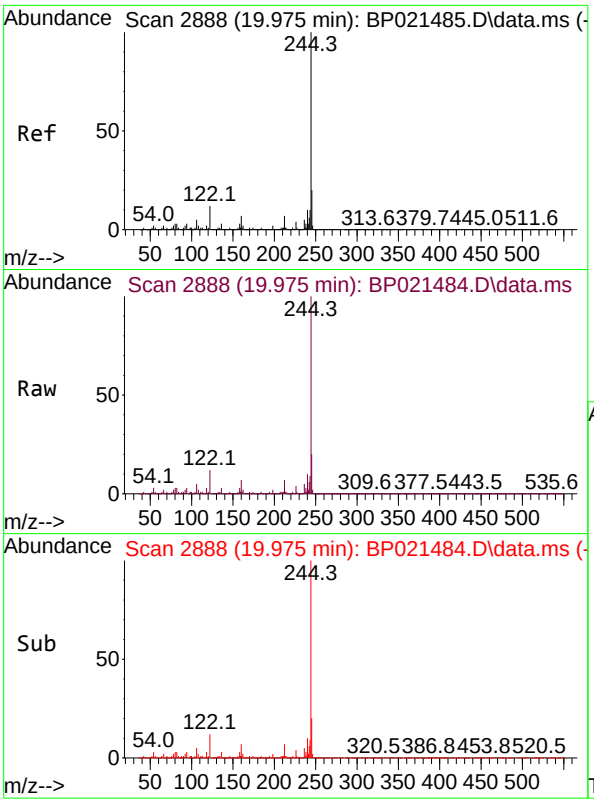


#78
Pyrene
Concen: 19.814 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:202 Resp: 2656705

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1

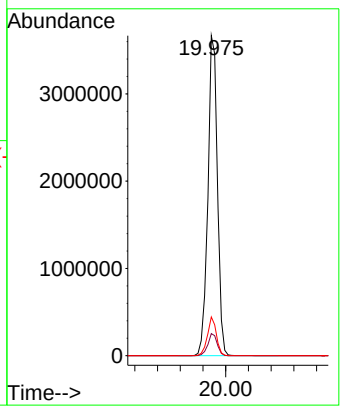




#79
Terphenyl-d14
Concen: 40.160 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:244 Resp: 424055

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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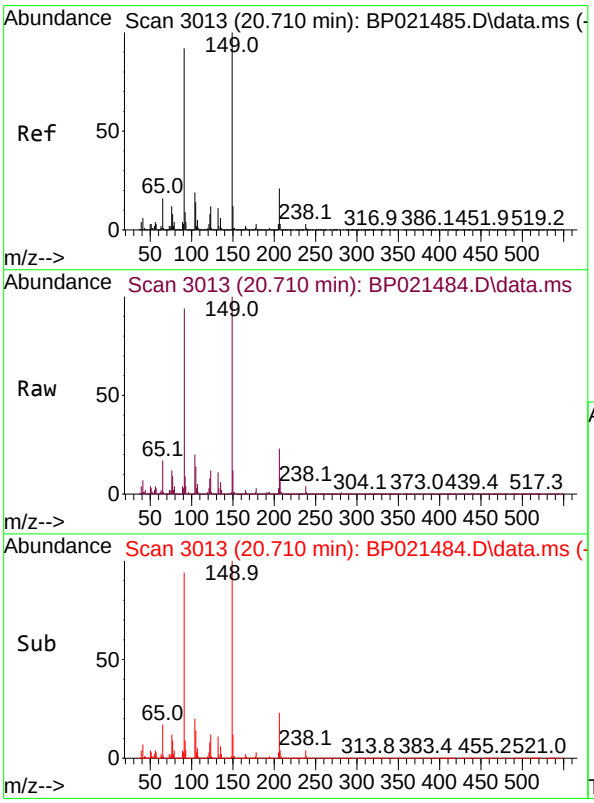
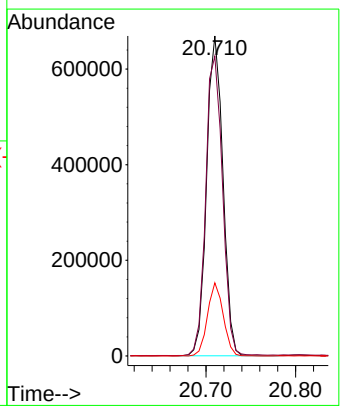
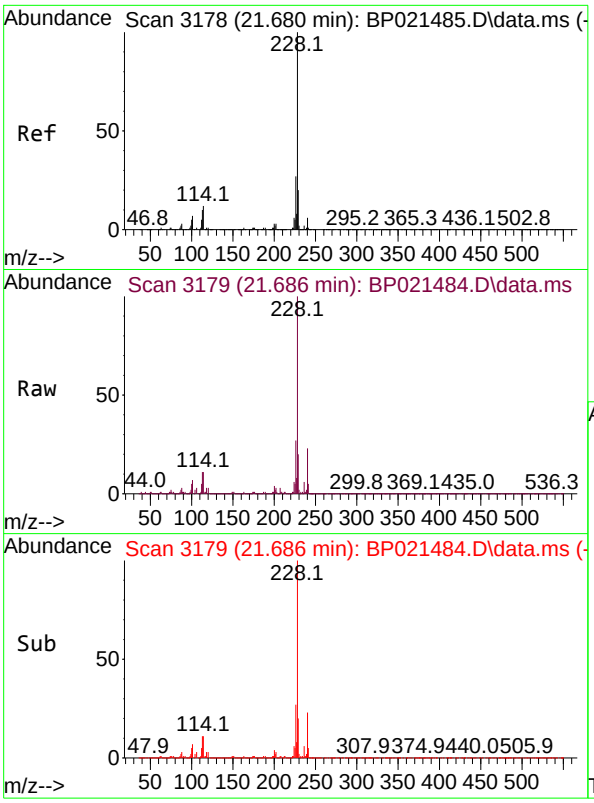


#80
Butylbenzylphthalate
Concen: 18.934 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 843482

Ion	Ratio	Lower	Upper
149	100		
91	93.7	73.3	109.9
206	22.9	17.1	25.7

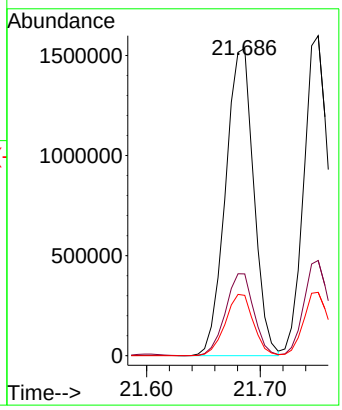




#81
Benzo(a)anthracene
Concen: 20.566 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 264847

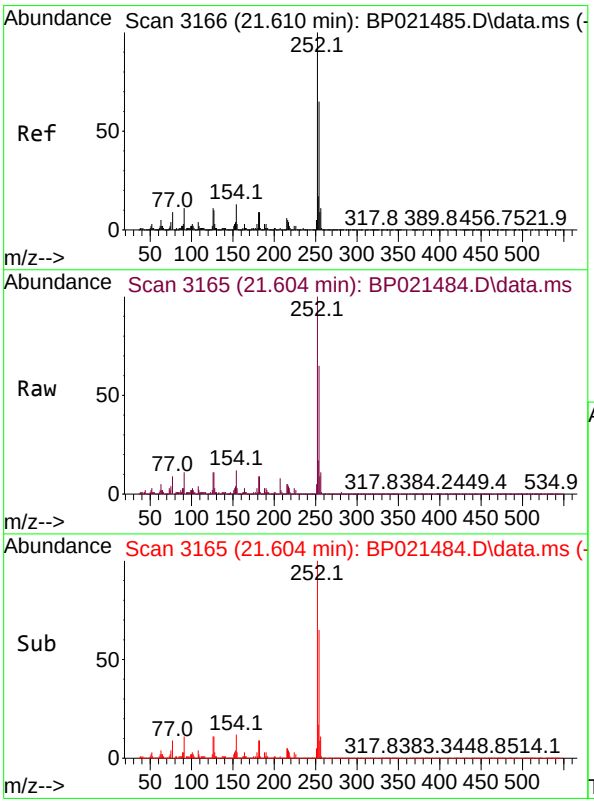
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.6	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

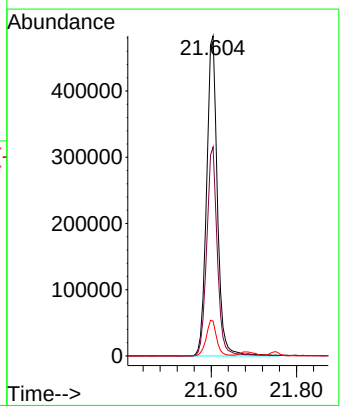
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

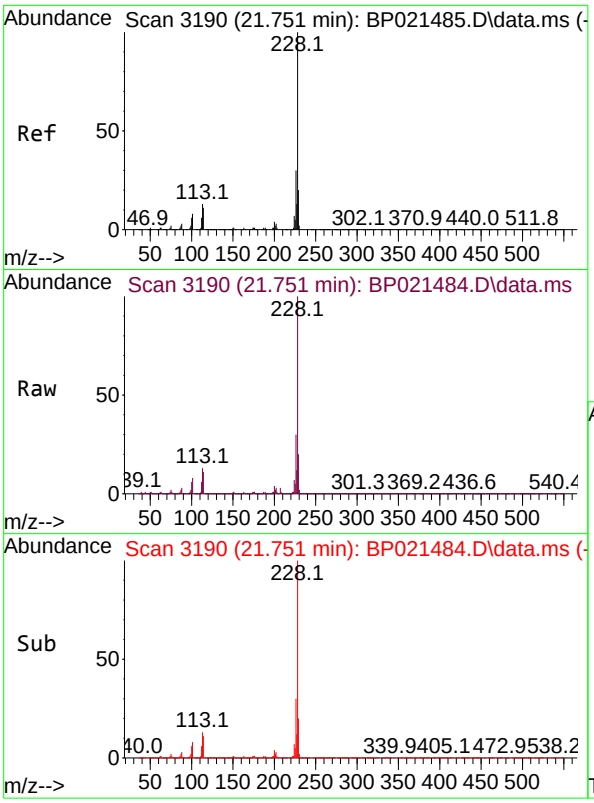


#82
3,3'-Dichlorobenzidine
Concen: 20.526 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 847490

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	8.7	13.1

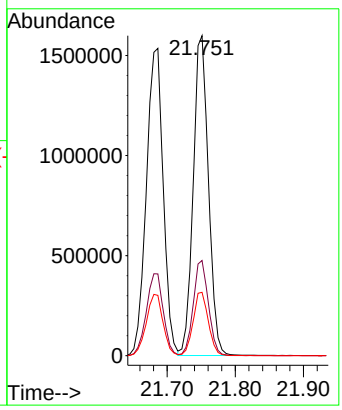




#83
Chrysene
Concen: 20.336 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 247252

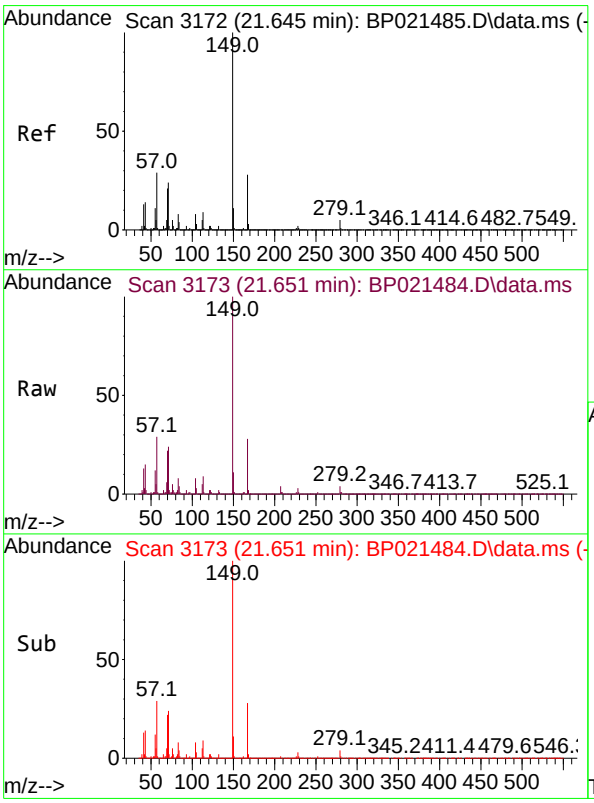
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

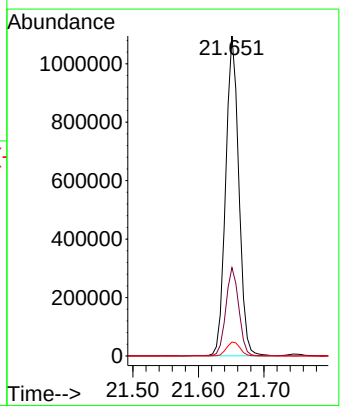
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

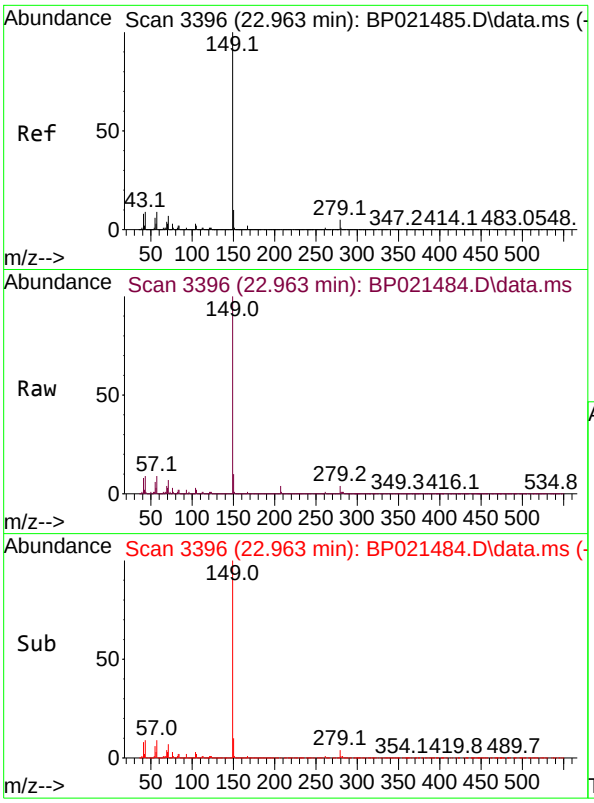


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.981 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1520788

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.3	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 20.217 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 228682

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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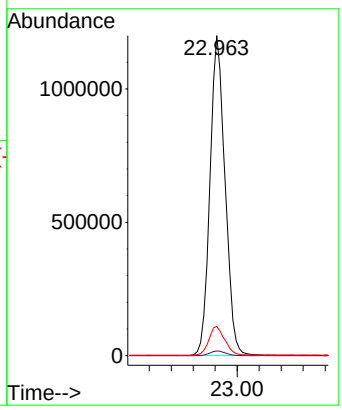
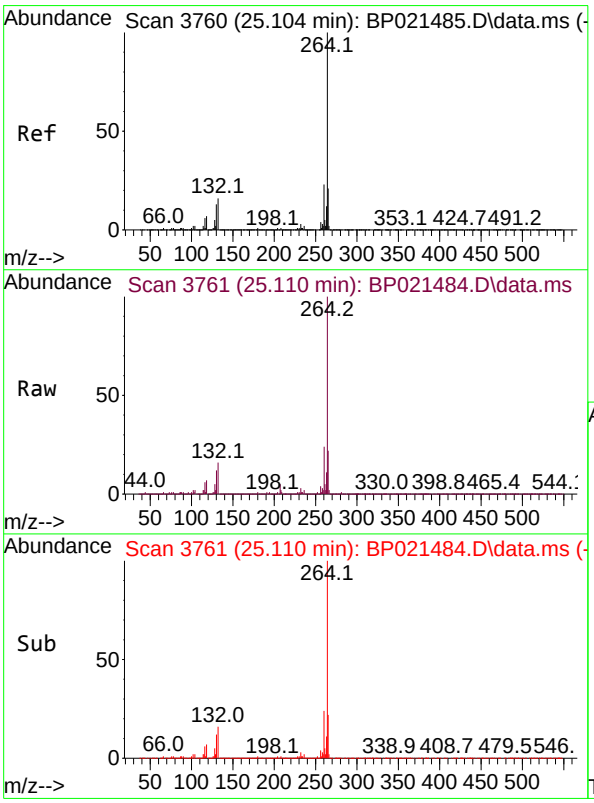
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

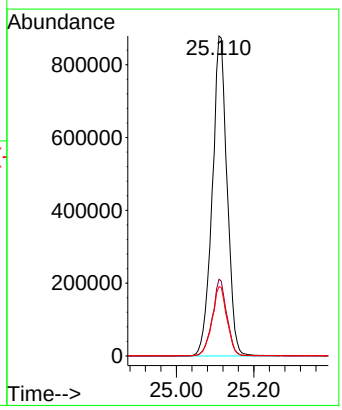


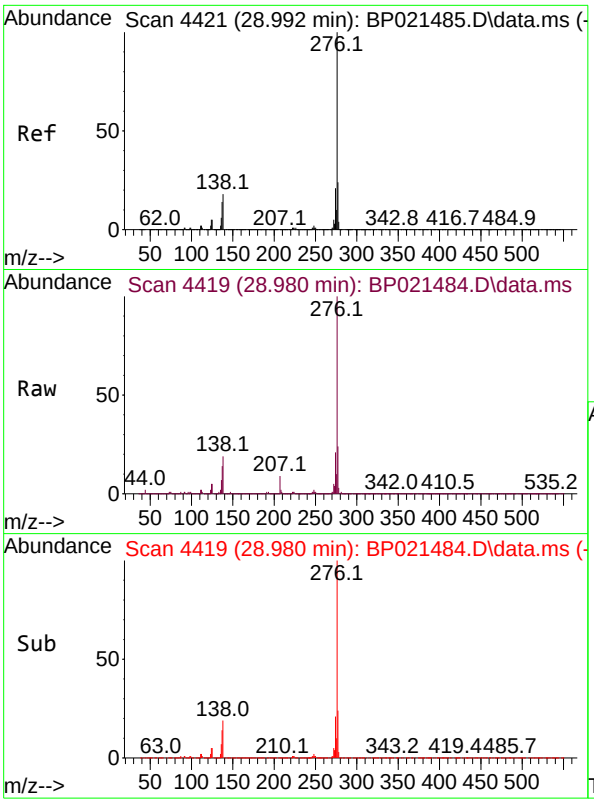


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:264 Resp: 2332049

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.7	17.1	25.7

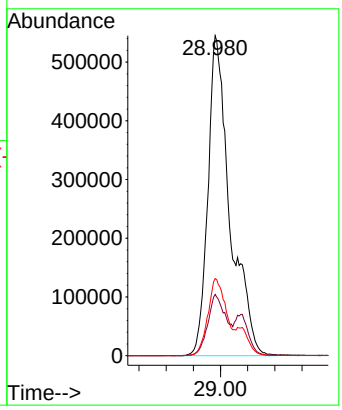




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.320 ng m
RT: 28.980 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 307137

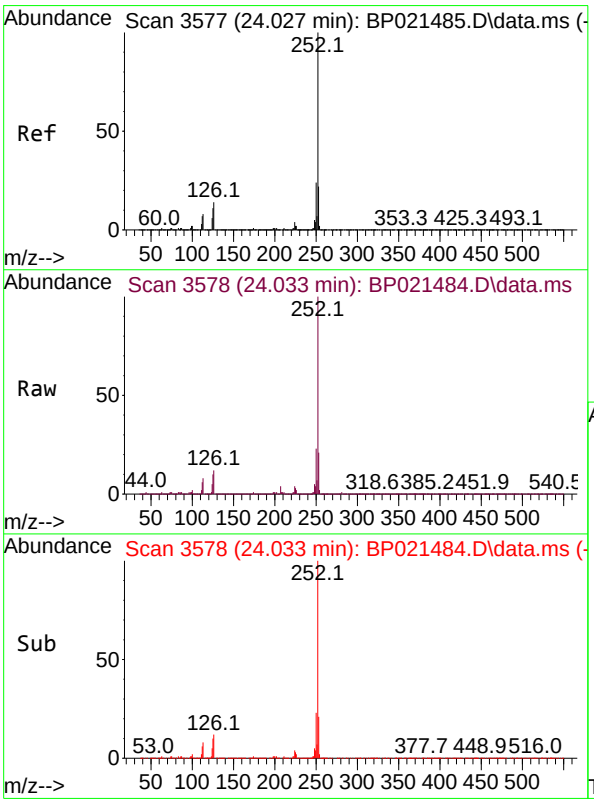
Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.8	19.2
277	20.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

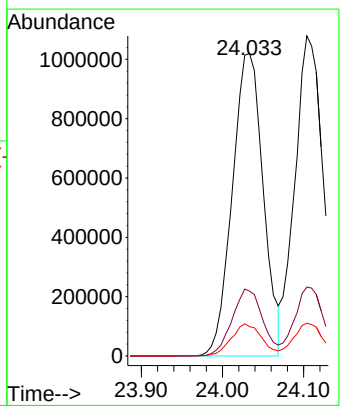
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

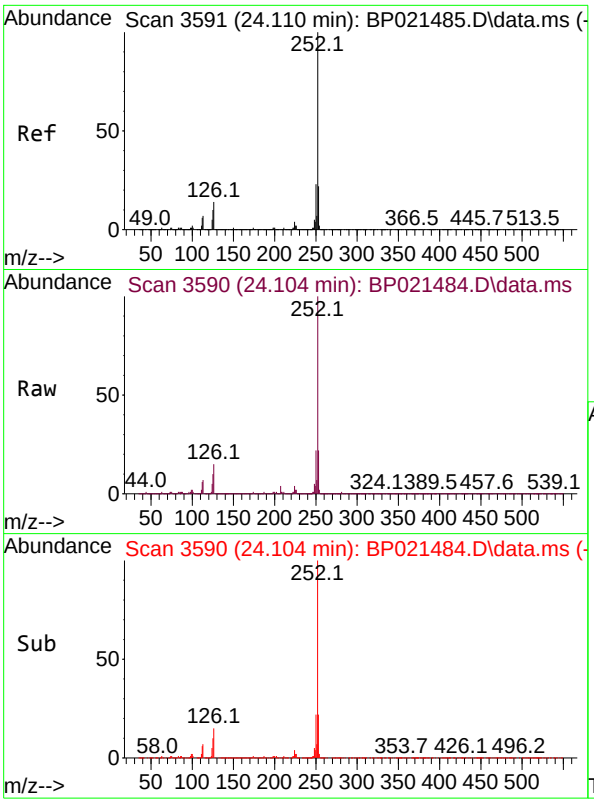


#88
Benzo(b)fluoranthene
Concen: 20.161 ng
RT: 24.033 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2700298

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.7	8.6	13.0

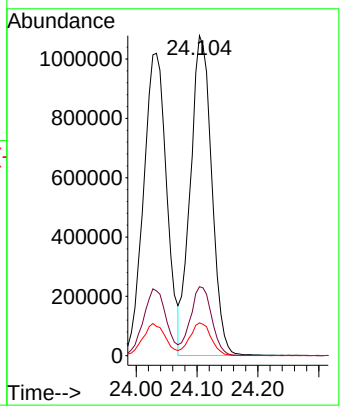




#89
Benzo(k)fluoranthene
Concen: 20.059 ng
RT: 24.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 262083

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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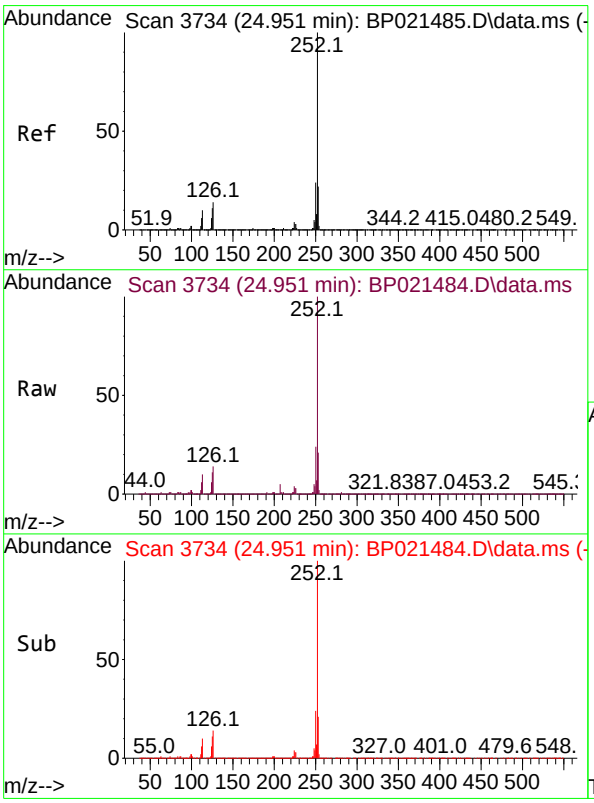
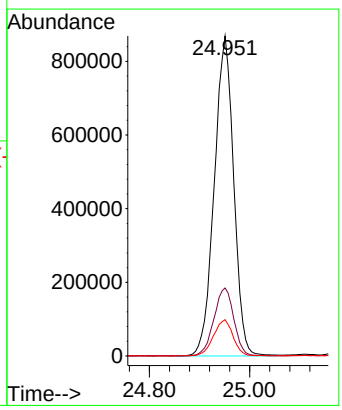
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

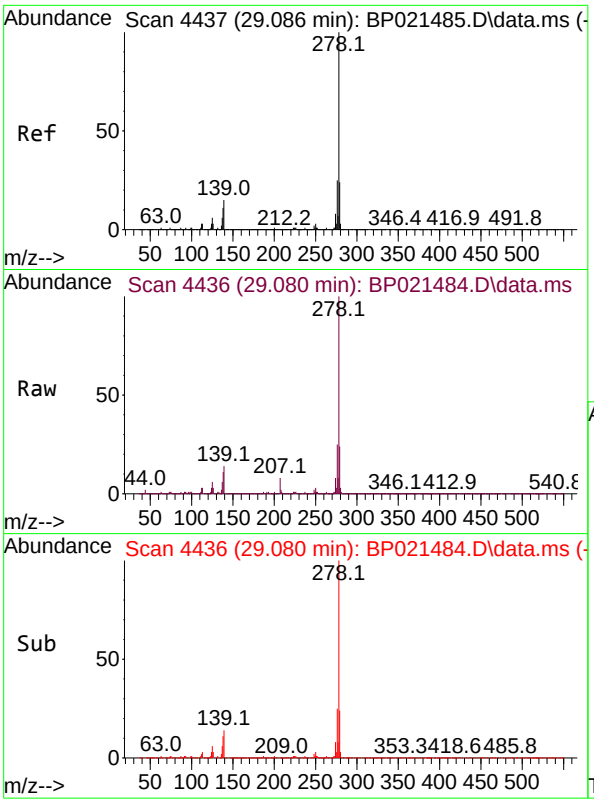


#90
Benzo(a)pyrene
Concen: 20.127 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2339364

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	11.3	8.7	13.1

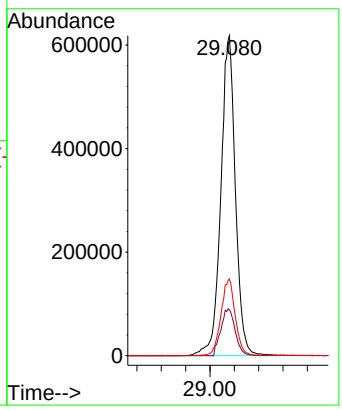




#91
Dibenzo(a,h)anthracene
Concen: 20.539 ng
RT: 29.080 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:278 Resp: 257976

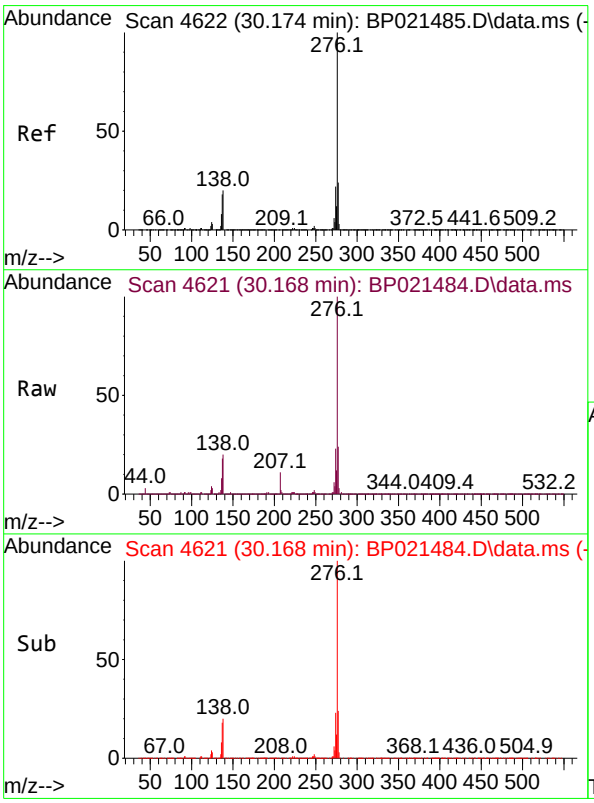
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

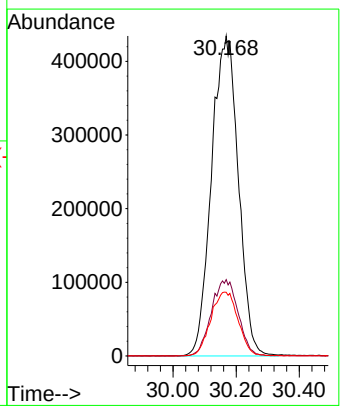
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 20.300 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 2555517

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	19.9	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	334672	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1379126	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	890240	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1905279	20.000	ng	0.00
76) Chrysene-d12	21.698	240	1820074	20.000	ng	0.00
86) Perylene-d12	25.104	264	2085332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1804372	80.056	ng	0.00
7) Phenol-d6	6.964	99	2647910	80.535	ng	0.00
23) Nitrobenzene-d5	8.952	82	2262476	84.675	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	840745	84.855	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4724987	81.001	ng	0.00
79) Terphenyl-d14	19.975	244	7322059	78.155	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	429612	40.199	ng	100
3) Pyridine	3.705	79	1205871m	40.419	ng	
4) n-Nitrosodimethylamine	3.617	42	356290	39.732	ng	100
6) Aniline	7.134	93	1324158	40.285	ng	100
8) 2-Chlorophenol	7.375	128	836602	40.166	ng	100
9) Benzaldehyde	6.946	77	801968	38.095	ng	100
10) Phenol	6.987	94	1368534	40.195	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	1139337	39.547	ng	100
12) 1,3-Dichlorobenzene	7.699	146	972133	39.292	ng	100
13) 1,4-Dichlorobenzene	7.840	146	987045	39.509	ng	100
14) 1,2-Dichlorobenzene	8.158	146	943886	39.206	ng	100
15) Benzyl Alcohol	8.034	79	947378	40.158	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1035140	39.016	ng	100
17) 2-Methylphenol	8.234	107	863176	40.102	ng	100
18) Hexachloroethane	8.893	117	397406	39.668	ng	100
19) n-Nitroso-di-n-propyla...	8.605	70	897052	39.497	ng	100
20) 3+4-Methylphenols	8.558	107	1176757	40.546	ng	100
22) Acetophenone	8.616	105	1688225	39.846	ng	100
24) Nitrobenzene	8.993	77	1221296	42.085	ng	100
25) Isophorone	9.522	82	2519531	39.915	ng	100
26) 2-Nitrophenol	9.699	139	259209	39.575	ng	100
27) 2,4-Dimethylphenol	9.758	122	621559	39.900	ng	100
28) bis(2-Chloroethoxy)met...	10.005	93	1515653	39.336	ng	100
29) 2,4-Dichlorophenol	10.240	162	751870	40.849	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	938177	39.757	ng	100
31) Naphthalene	10.646	128	2870666	39.845	ng	100
32) Benzoic acid	9.875	122	356582	38.509	ng	100
33) 4-Chloroaniline	10.740	127	1090714	40.303	ng	100
34) Hexachlorobutadiene	10.940	225	594148	39.989	ng	100
35) Caprolactam	11.499	113	314109	41.005	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	1055054	41.323	ng	100
37) 2-Methylnaphthalene	12.263	142	1944719	39.550	ng	100
38) 1-Methylnaphthalene	12.481	142	1921454	39.621	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1058707	40.588	ng	100
41) Hexachlorocyclopentadiene	12.622	237	341369	41.293	ng	100
43) 2,4,6-Trichlorophenol	12.869	196	610003	42.100	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	680956	42.300	ng	100
46) 1,1'-Biphenyl	13.281	154	2542708	40.370	ng	100
47) 2-Chloronaphthalene	13.316	162	1987834	40.538	ng	100
48) 2-Nitroaniline	13.504	65	506883	38.074	ng	100
49) Acenaphthylene	14.169	152	2928814	40.630	ng	100
50) Dimethylphthalate	13.910	163	2408078	40.392	ng	100
51) 2,6-Dinitrotoluene	14.022	165	454687	38.650	ng	100
52) Acenaphthene	14.522	154	1911119	40.406	ng	100
53) 3-Nitroaniline	14.351	138	452937	39.107	ng	100
54) 2,4-Dinitrophenol	14.551	184	116797	38.943	ng	100
55) Dibenzofuran	14.857	168	2936517	40.359	ng	100
56) 4-Nitrophenol	14.651	139	358912	39.073	ng	100
57) 2,4-Dinitrotoluene	14.810	165	570222	38.397	ng	100
58) Fluorene	15.516	166	2410461	40.326	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	584357	42.766	ng	100
60) Diethylphthalate	15.304	149	2486968	40.656	ng	100
61) 4-Chlorophenyl-phenyle...	15.522	204	1236572	40.022	ng	100
62) 4-Nitroaniline	15.528	138	485672	40.451	ng	100
63) Azobenzene	15.822	77	3052445	40.594	ng	100
65) 4,6-Dinitro-2-methylph...	15.587	198	199156	38.603	ng	100
66) n-Nitrosodiphenylamine	15.740	169	2051265	40.175	ng	100
67) 4-Bromophenyl-phenylether	16.439	248	790673	39.211	ng	100
68) Hexachlorobenzene	16.551	284	958921	40.240	ng	100
69) Atrazine	16.716	200	726072	41.419	ng	100
70) Pentachlorophenol	16.892	266	520400	40.011	ng	100
71) Phenanthrene	17.298	178	3678868	40.150	ng	100
72) Anthracene	17.398	178	3619950	40.283	ng	100
73) Carbazole	17.669	167	3543089	40.912	ng	100
74) Di-n-butylphthalate	18.275	149	4378720	41.170	ng	100
75) Fluoranthene	19.381	202	4572881	40.674	ng	100
77) Benzidine	19.575	184	1735103	41.023	ng	100
78) Pyrene	19.751	202	4694393	39.461	ng	100
80) Butylbenzylphthalate	20.710	149	1712106	38.676	ng	100
81) Benzo(a)anthracene	21.680	228	4615389	40.395	ng	100
82) 3,3'-Dichlorobenzidine	21.610	252	1559563	42.572	ng	100
83) Chrysene	21.751	228	4358695	40.405	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	2841806	42.082	ng	100
85) Di-n-octyl phthalate	22.963	149	4538217	39.238	ng	100
87) Indeno(1,2,3-cd)pyrene	28.992	276	5533549m	40.941	ng	
88) Benzo(b)fluoranthene	24.027	252	4815875	40.211	ng	100
89) Benzo(k)fluoranthene	24.110	252	4757000	40.717	ng	100
90) Benzo(a)pyrene	24.951	252	4221348	40.616	ng	100
91) Dibenzo(a,h)anthracene	29.086	278	4594554	40.908	ng	100
92) Benzo(g,h,i)perylene	30.174	276	4595577	40.824	ng	100

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

ICAL Form

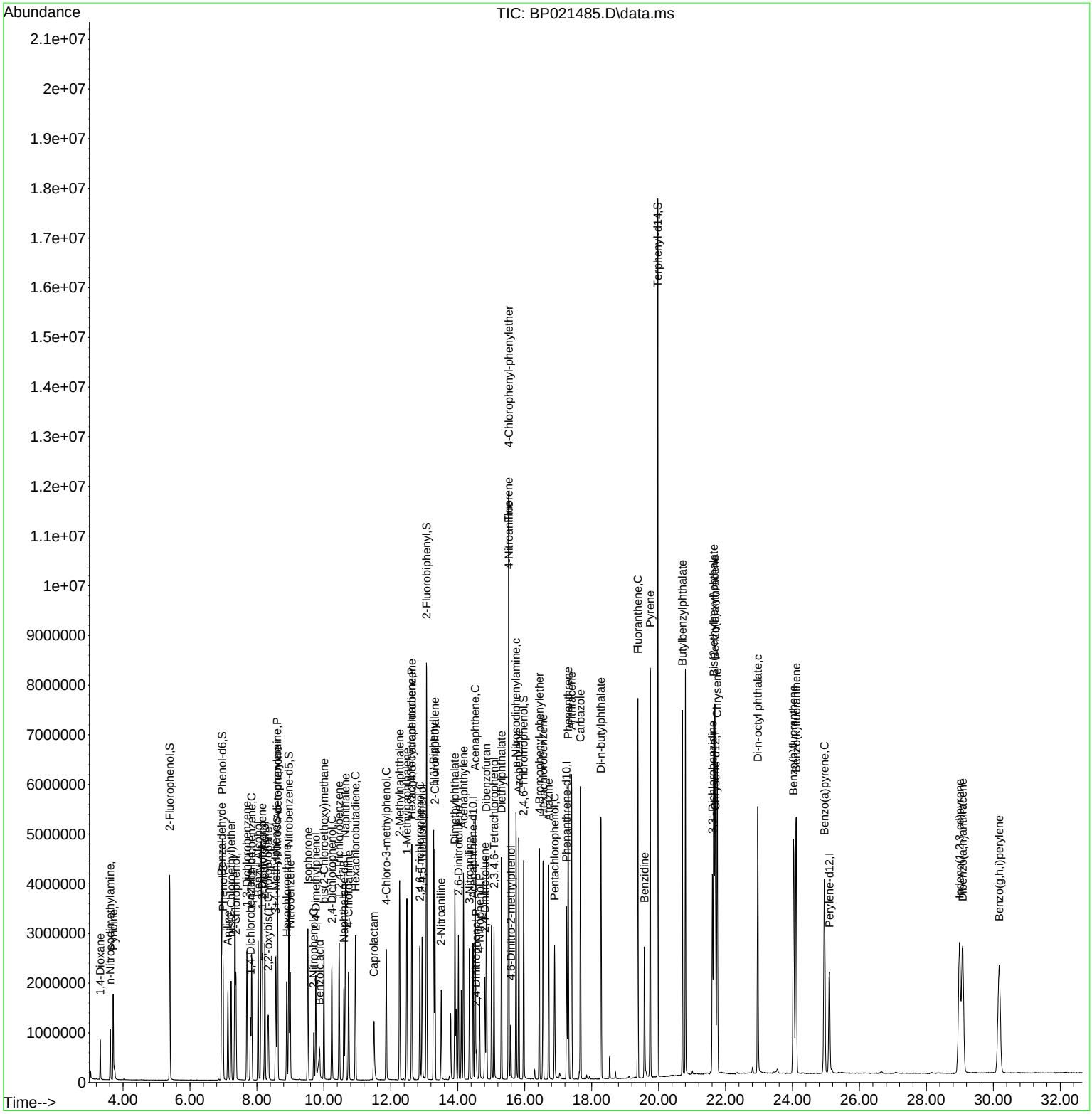
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

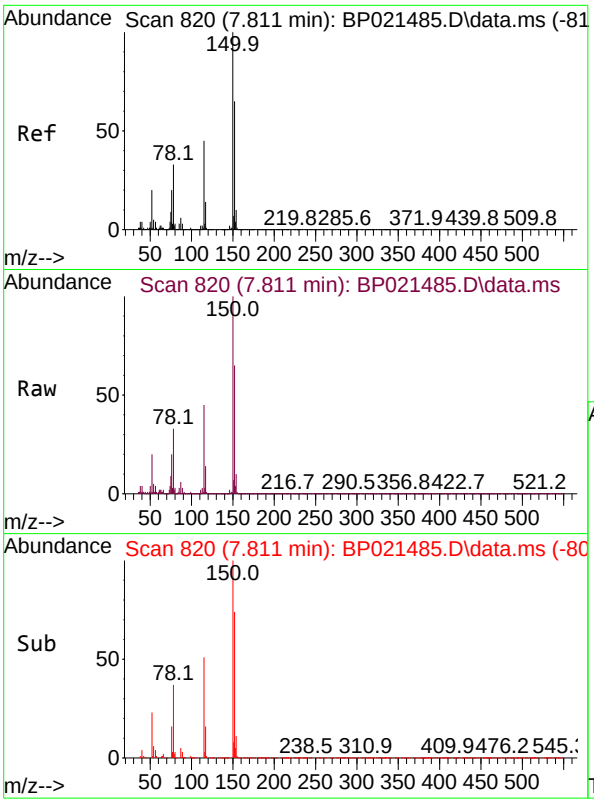
Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

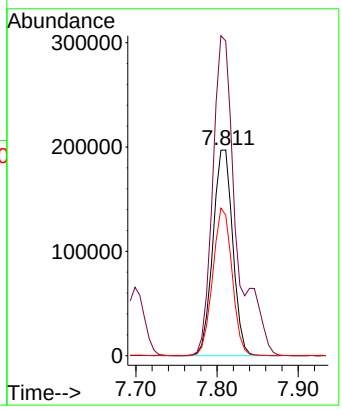




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:152 Resp: 33467

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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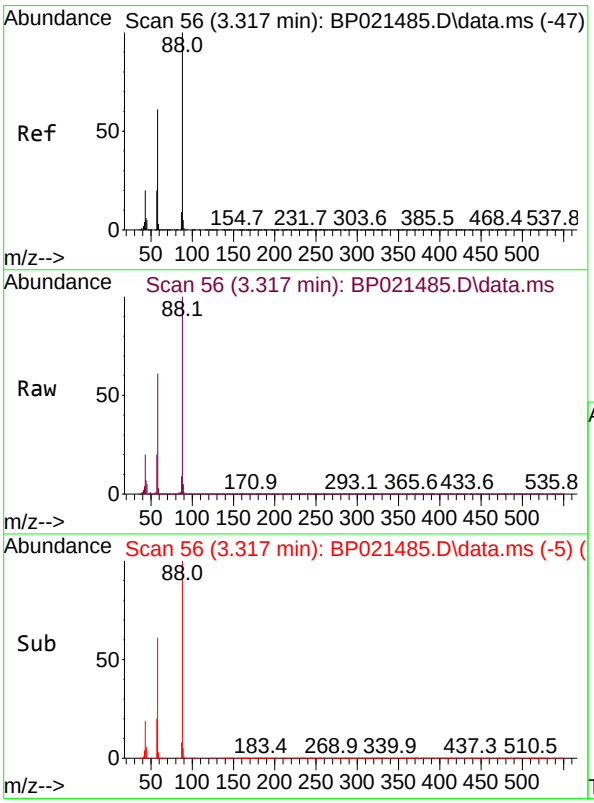
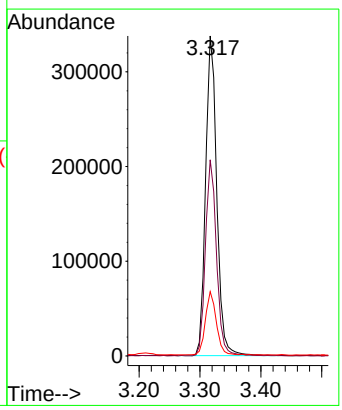
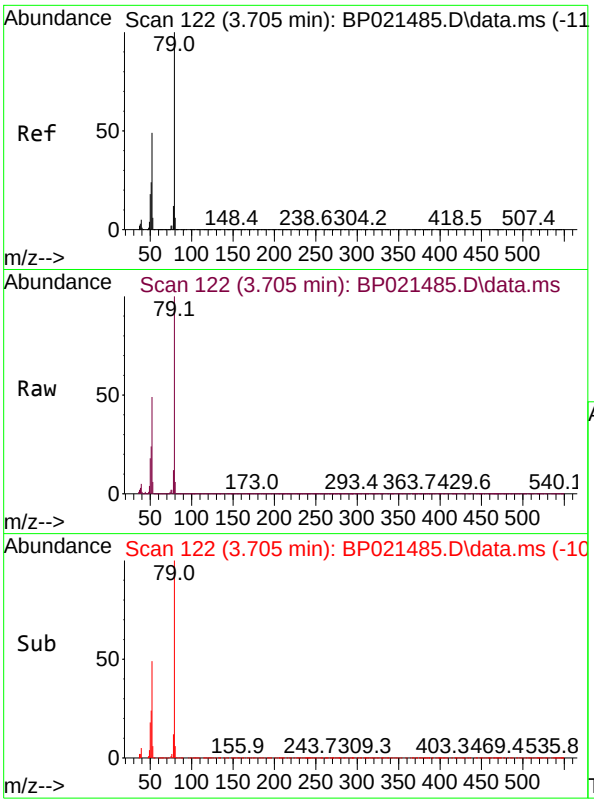


#2
1,4-Dioxane
Concen: 40.199 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 88 Resp: 429612

Ion	Ratio	Lower	Upper
88	100		
58	60.9	48.7	73.1
43	19.3	15.4	23.2

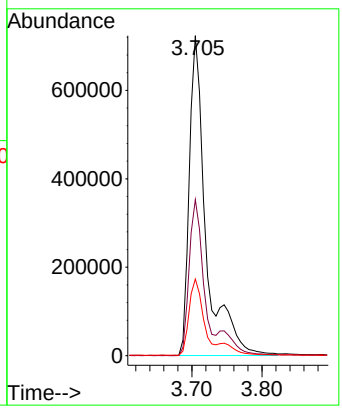




#3
Pyridine
Concen: 40.419 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 120587

Ion	Ratio	Lower	Upper
79	100		
52	48.8	39.0	58.6
51	24.0	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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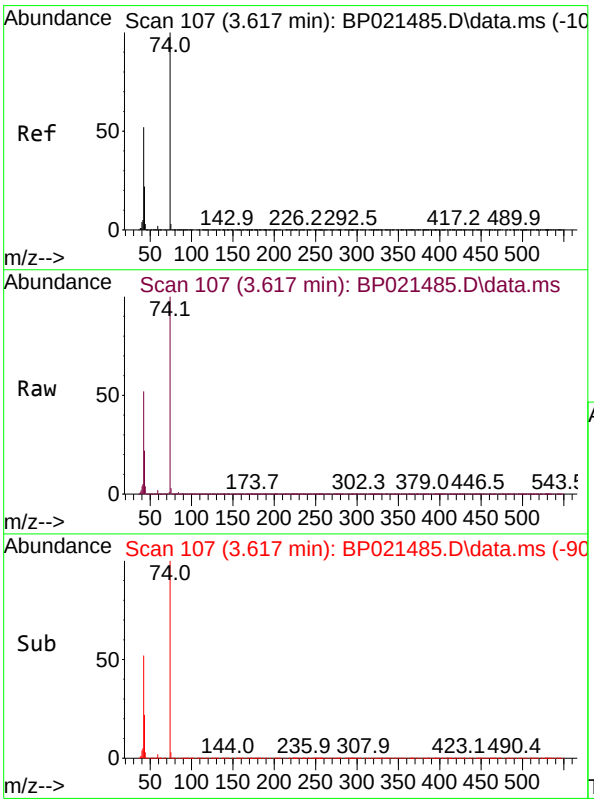
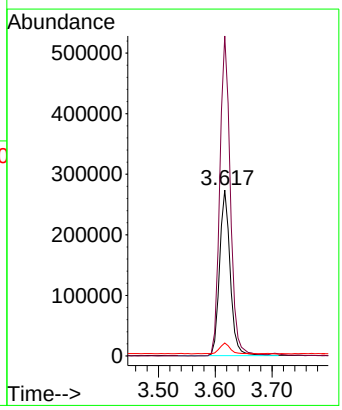
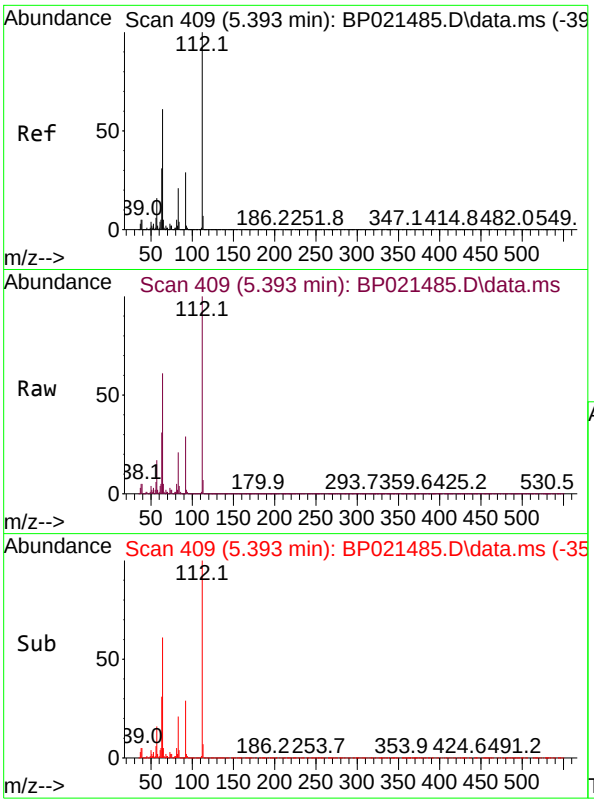


#4
n-Nitrosodimethylamine
Concen: 39.732 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 42 Resp: 356290

Ion	Ratio	Lower	Upper
42	100		
74	192.9	154.3	231.5
44	7.8	6.2	9.4

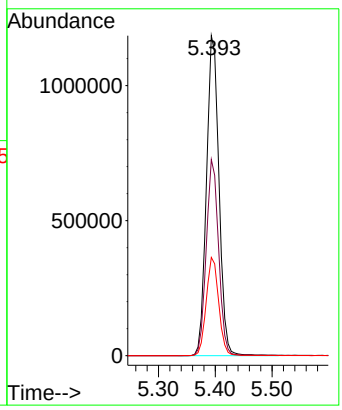




#5
2-Fluorophenol
Concen: 80.056 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:112 Resp: 180437

Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	30.7	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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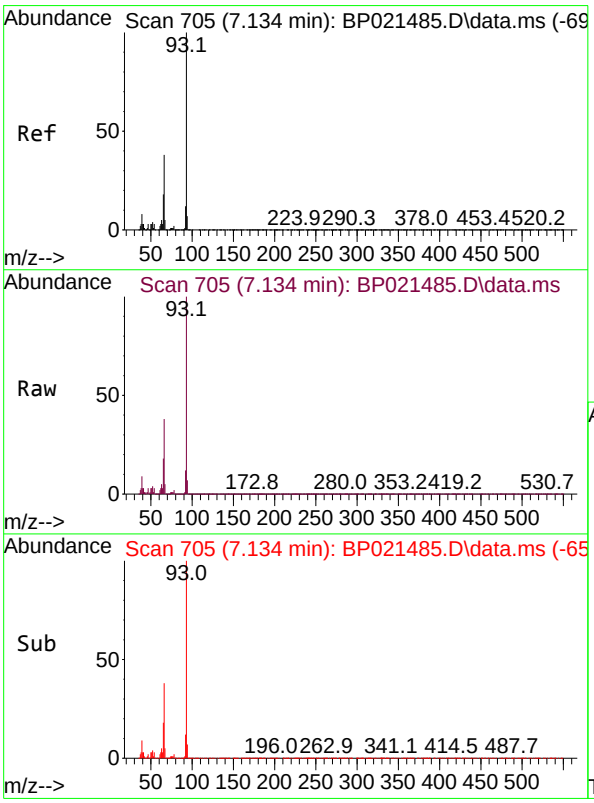
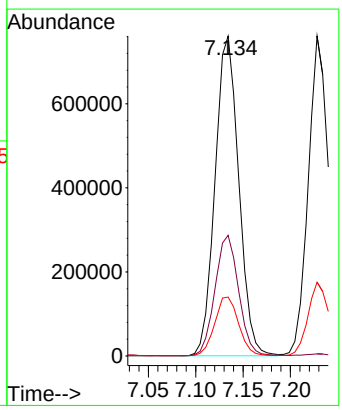
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

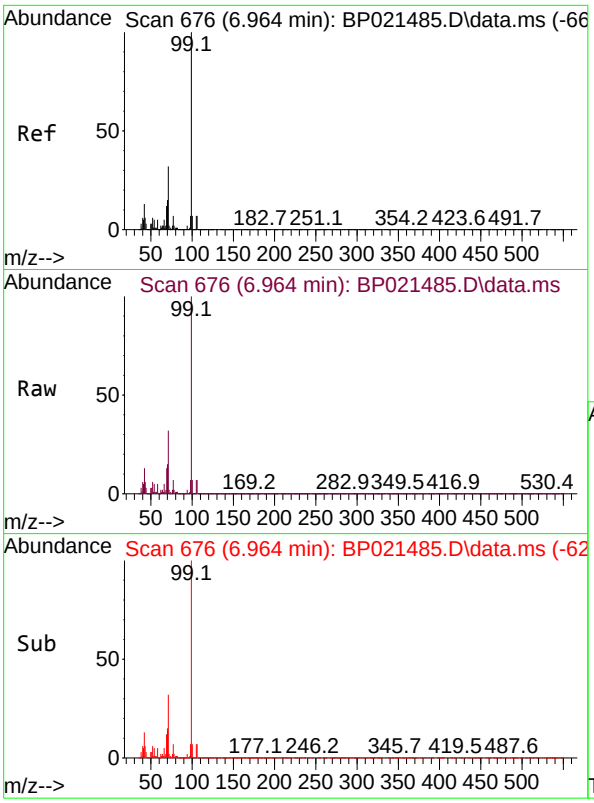


#6
Aniline
Concen: 40.285 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1324158

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.4	14.7	22.1

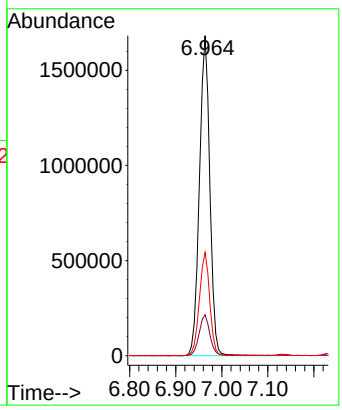




#7
Phenol-d6
Concen: 80.535 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 99 Resp: 264791

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.3	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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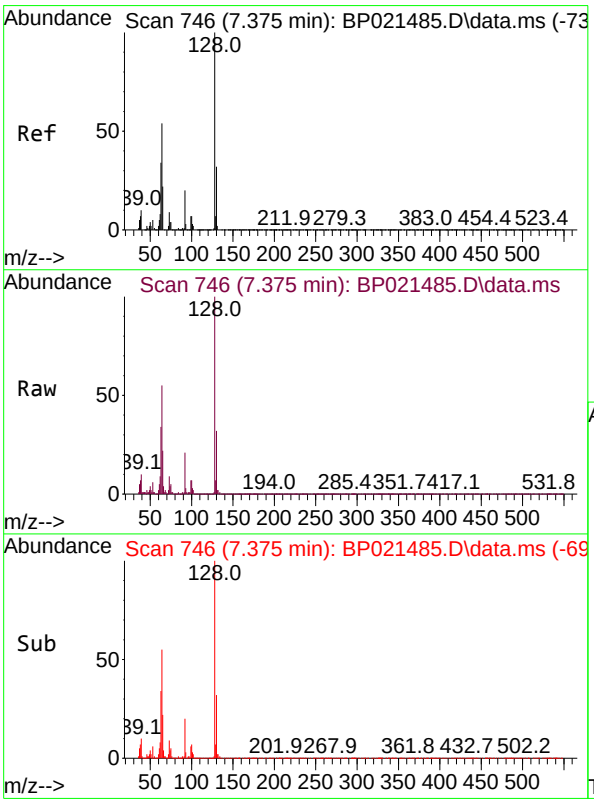
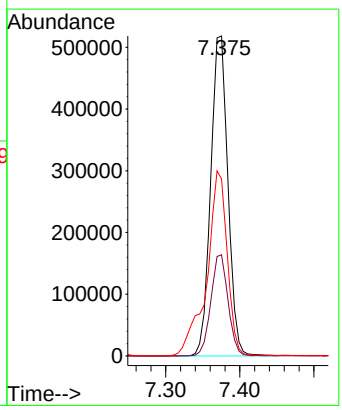
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

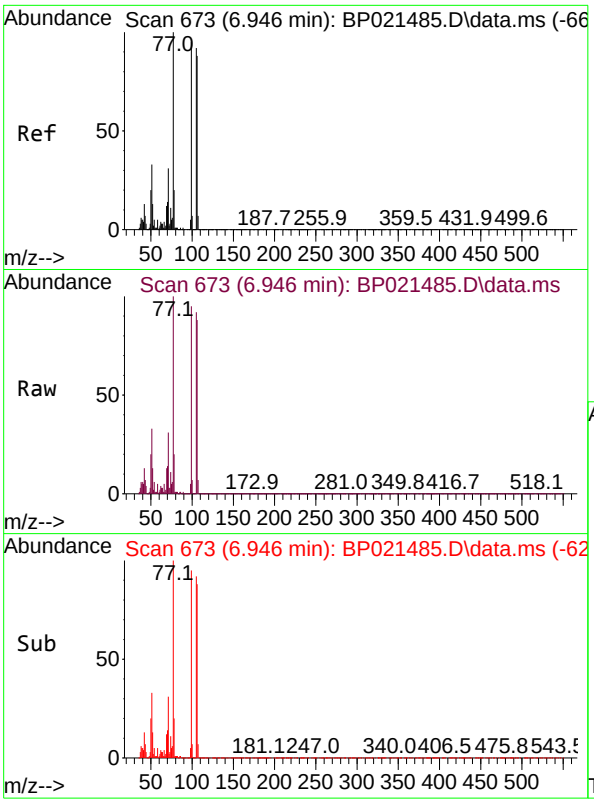


#8
2-Chlorophenol
Concen: 40.166 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 836602

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	55.3	35.3	75.3

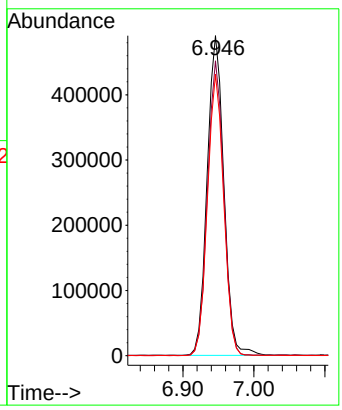




#9
Benzaldehyde
Concen: 38.095 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 80196

Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.9	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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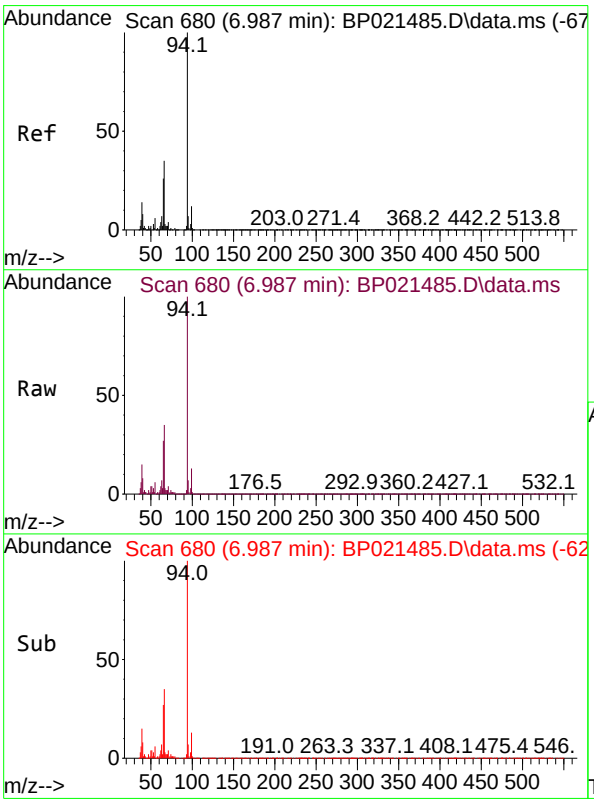
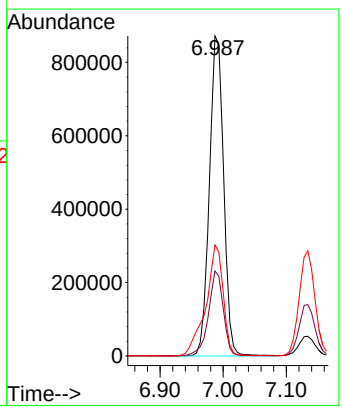
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

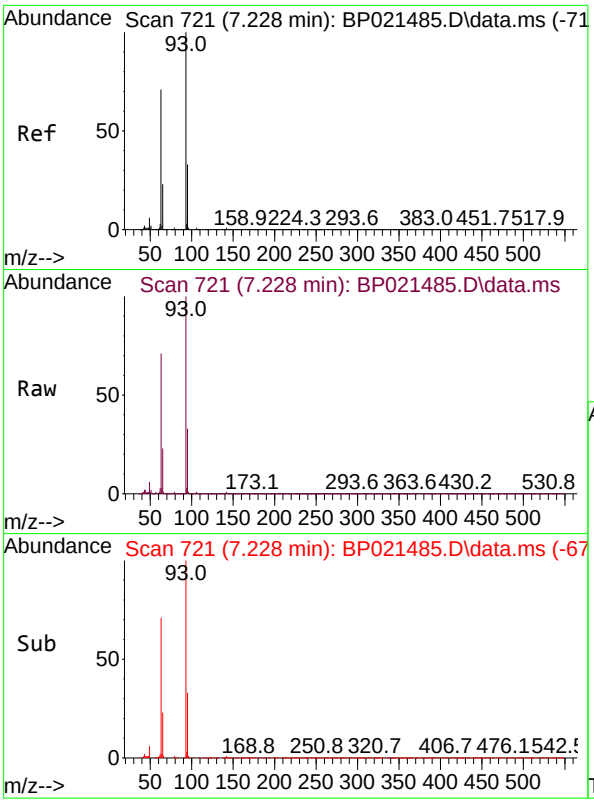


#10
Phenol
Concen: 40.195 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 94 Resp: 1368534

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	34.7	14.7	54.7

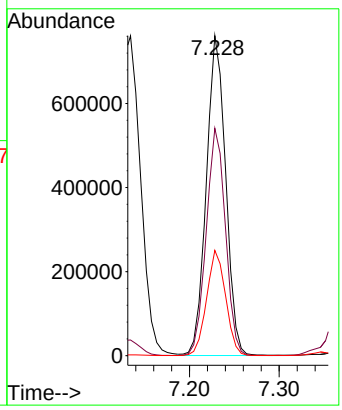




#11
bis(2-Chloroethyl)ether
Concen: 39.547 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 113933

Ion	Ratio	Lower	Upper
93	100		
63	71.0	51.0	91.0
95	32.9	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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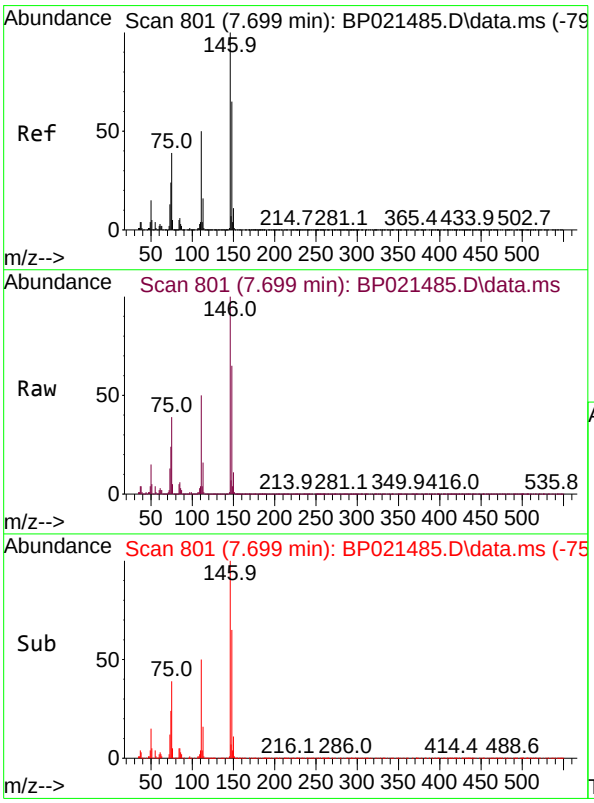
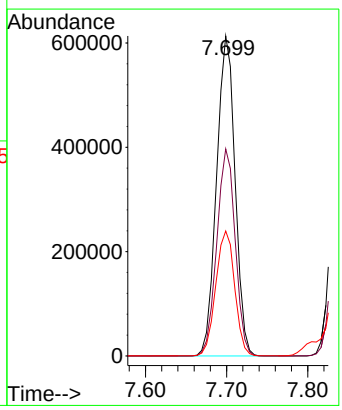
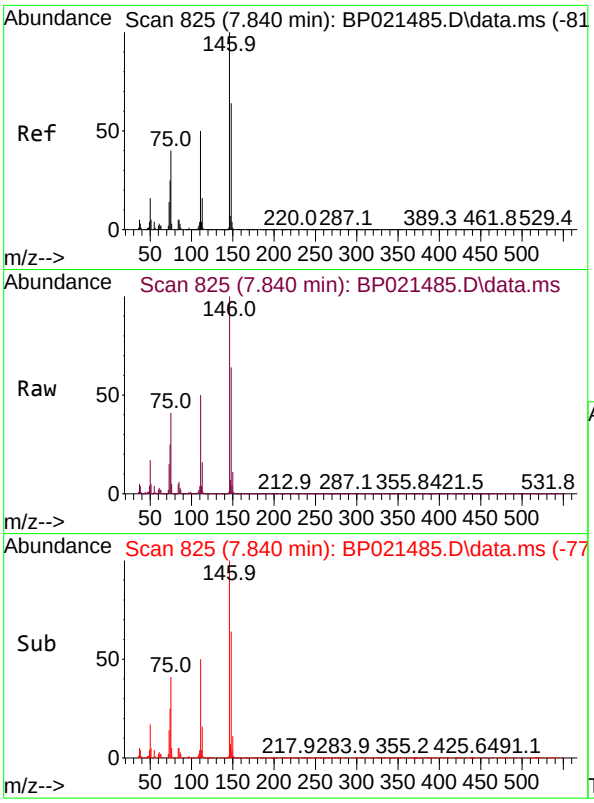


#12
1,3-Dichlorobenzene
Concen: 39.292 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 972133

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	39.1	31.3	46.9

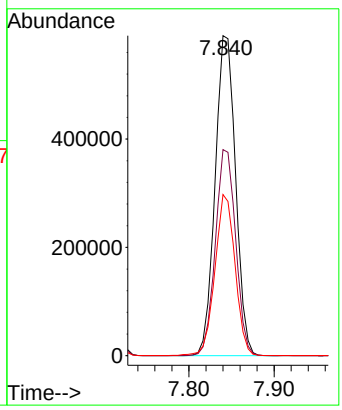




#13
1,4-Dichlorobenzene
Concen: 39.509 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 98704

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	50.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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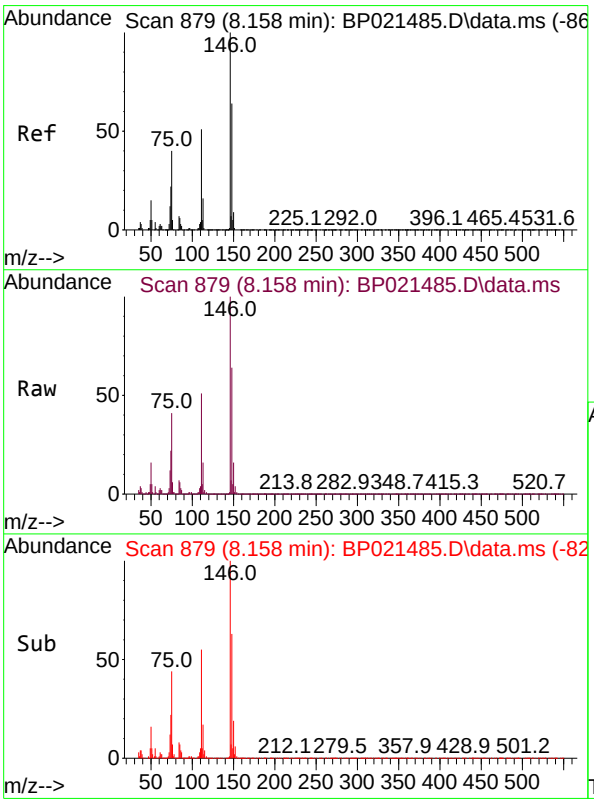
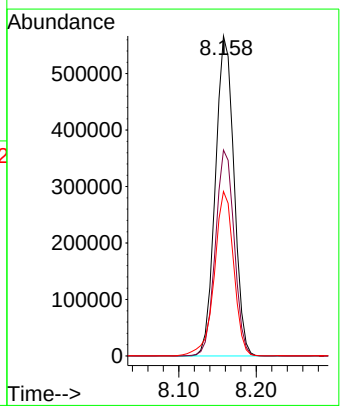
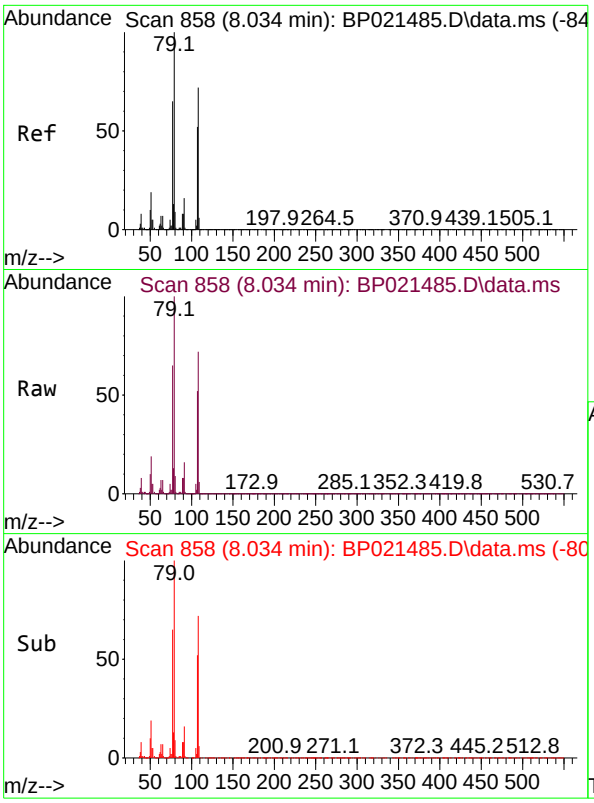


#14
1,2-Dichlorobenzene
Concen: 39.206 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 943886

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	51.4	41.1	61.7





#15
Benzyl Alcohol
Concen: 40.158 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 94737

Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	64.8	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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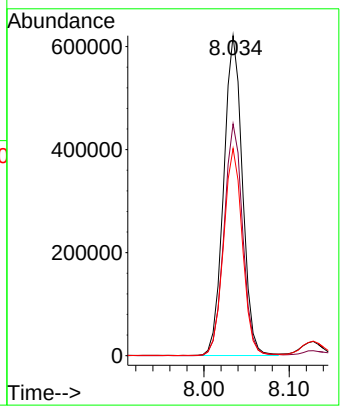
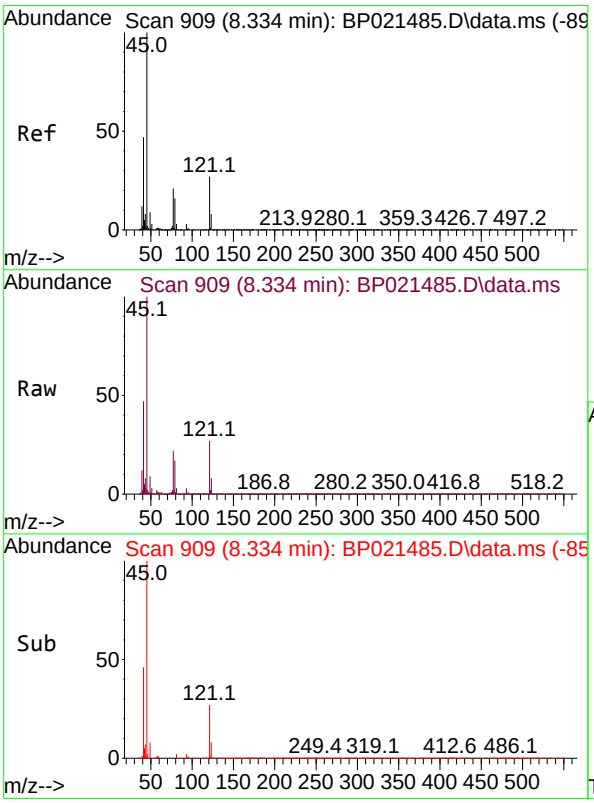
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

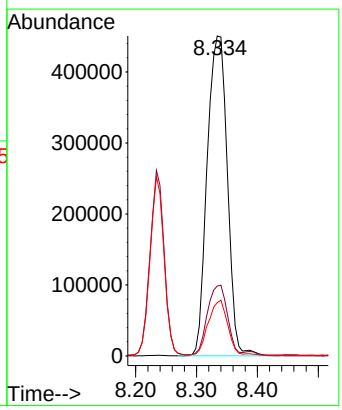


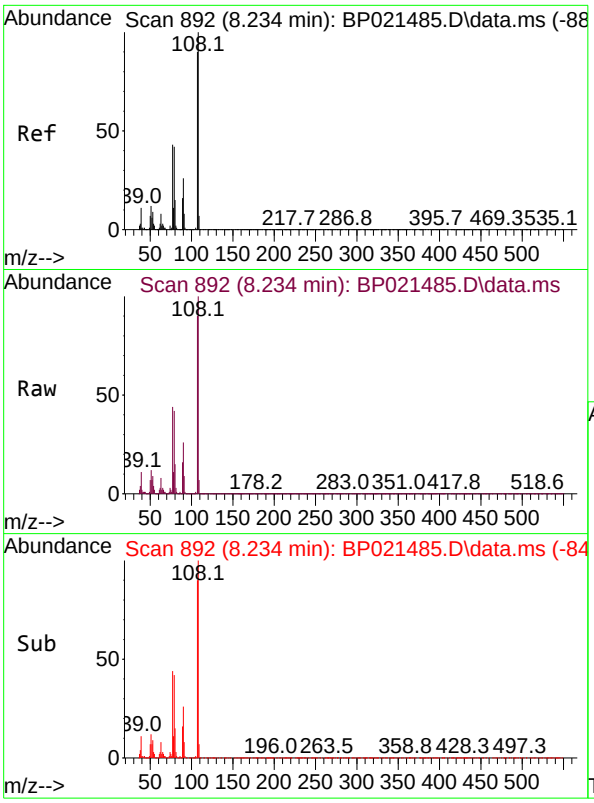


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.016 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 45 Resp: 1035140

Ion	Ratio	Lower	Upper
45	100		
77	21.9	1.9	41.9
79	16.6	0.0	36.6

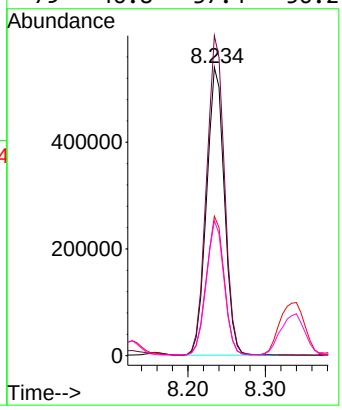




#17
2-Methylphenol
Concen: 40.102 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 86317

Ion	Ratio	Lower	Upper
107	100		
108	111.0	88.8	133.2
77	48.4	38.7	58.1
79	46.8	37.4	56.2



Instrument :
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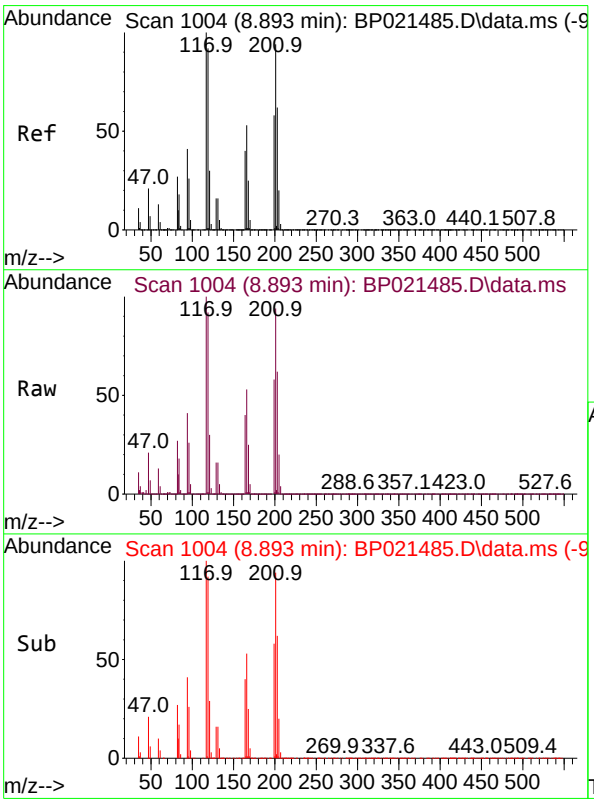
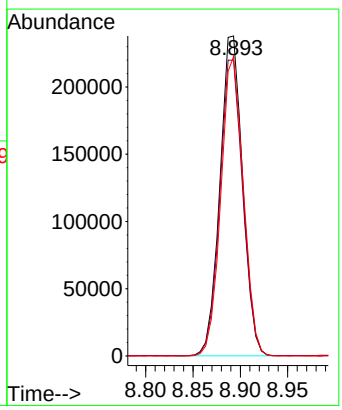
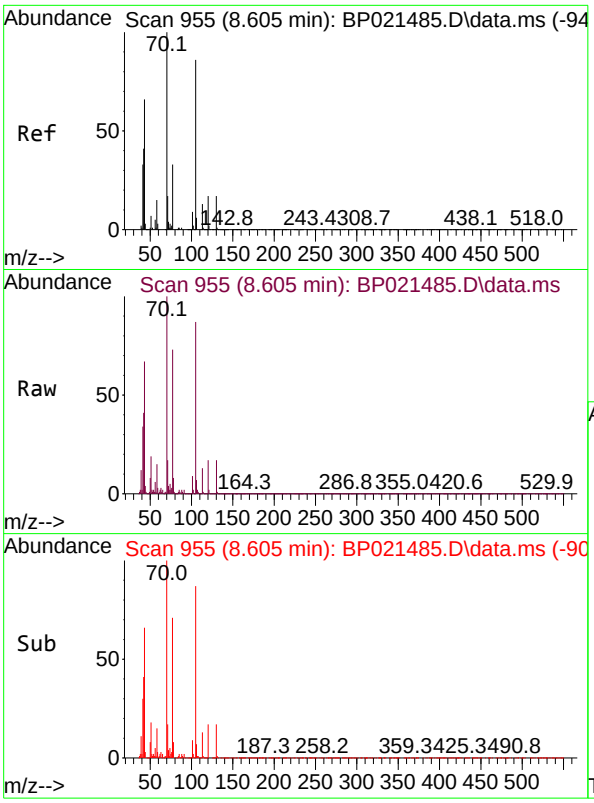


#18
Hexachloroethane
Concen: 39.668 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:117 Resp: 397406

Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.9	110.9
201	93.6	74.9	112.3

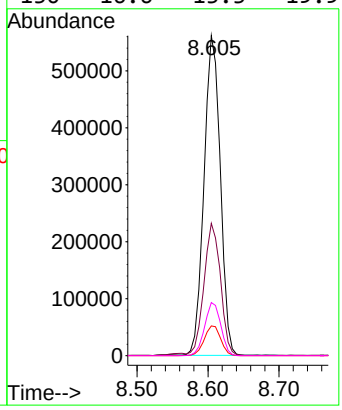




#19
n-Nitroso-di-n-propylamine
Concen: 39.497 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 70 Resp: 89705

Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.3	7.4	11.2
130	16.6	13.3	19.9



Instrument :
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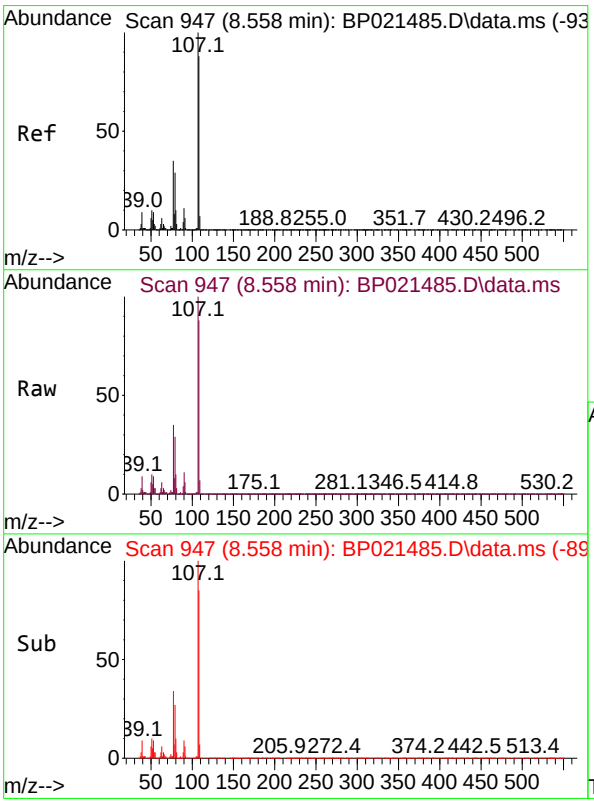
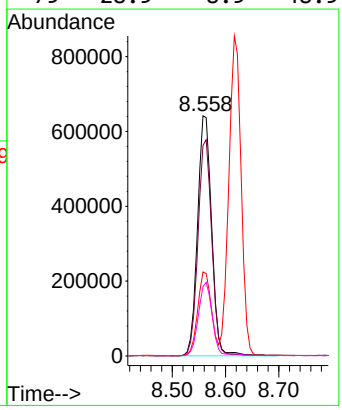
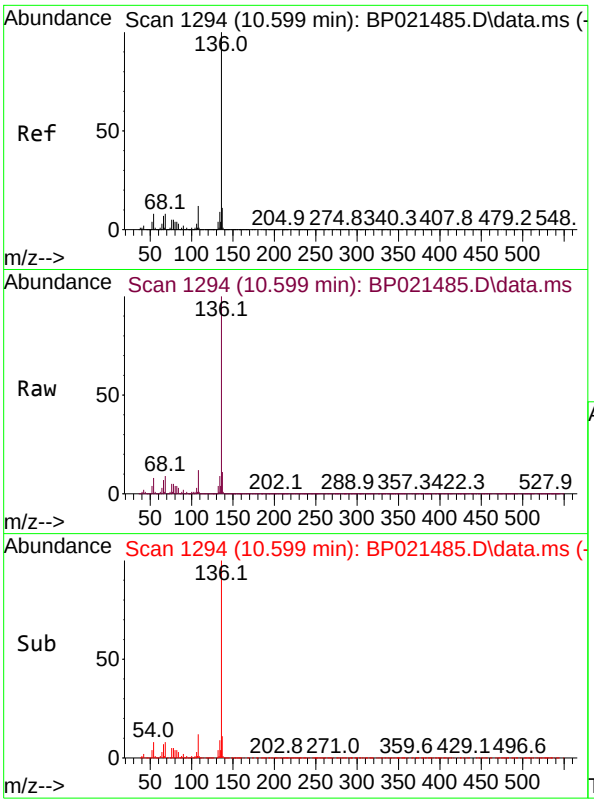


#20
3+4-Methylphenols
Concen: 40.546 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1176757

Ion	Ratio	Lower	Upper
107	100		
108	87.6	67.6	107.6
77	35.0	15.0	55.0
79	28.9	8.9	48.9

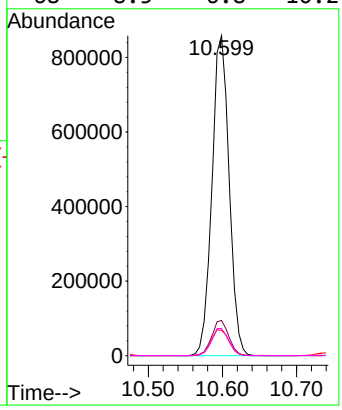




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:136 Resp: 137912

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	8.5	6.8	10.2



Instrument :
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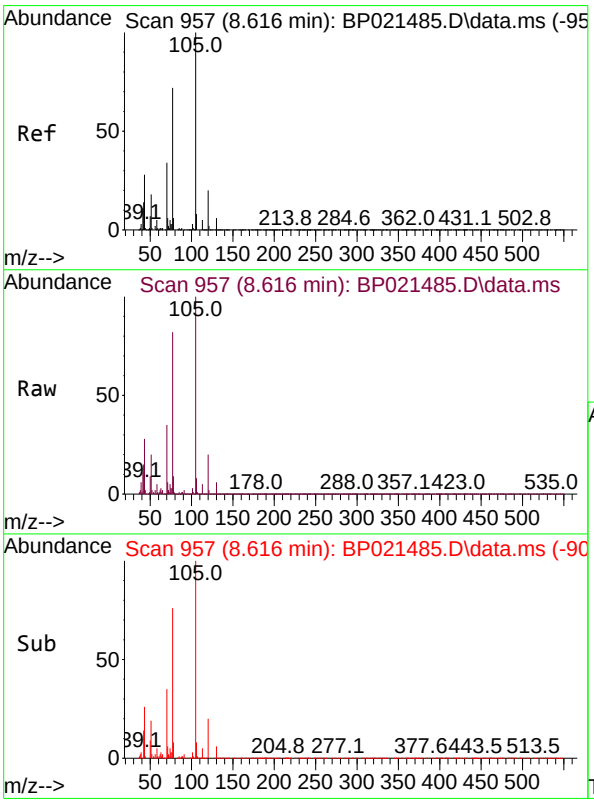
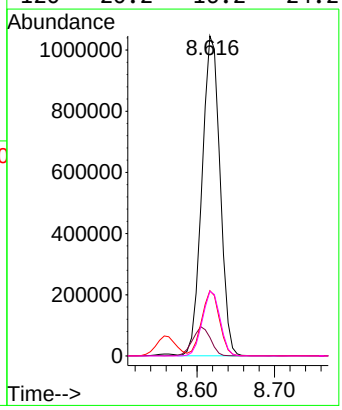
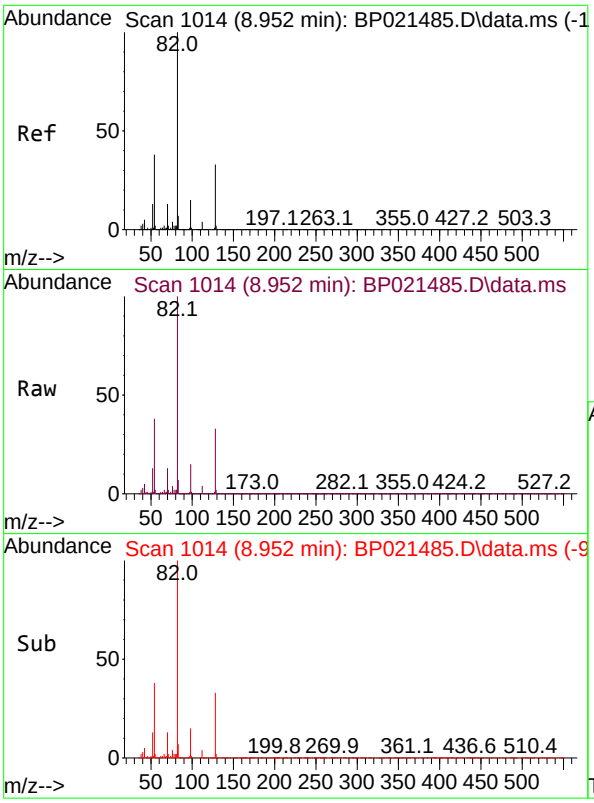


#22
Acetophenone
Concen: 39.846 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:105 Resp: 1688225

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.6	7.0
51	20.4	16.3	24.5
120	20.2	16.2	24.2

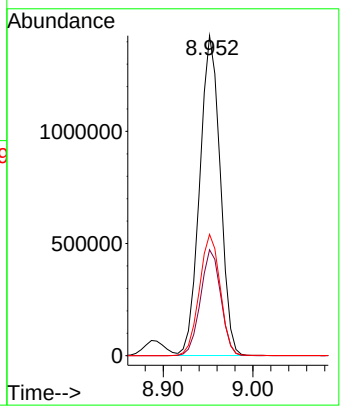




#23
Nitrobenzene-d5
Concen: 84.675 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 82 Resp: 226247

Ion	Ratio	Lower	Upper
82	100		
128	33.1	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
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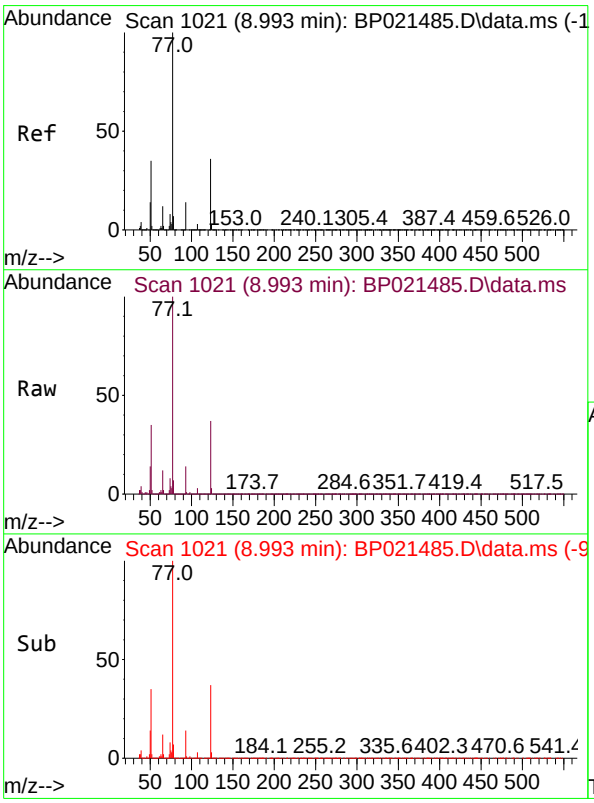
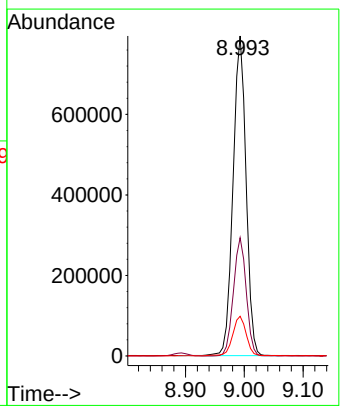
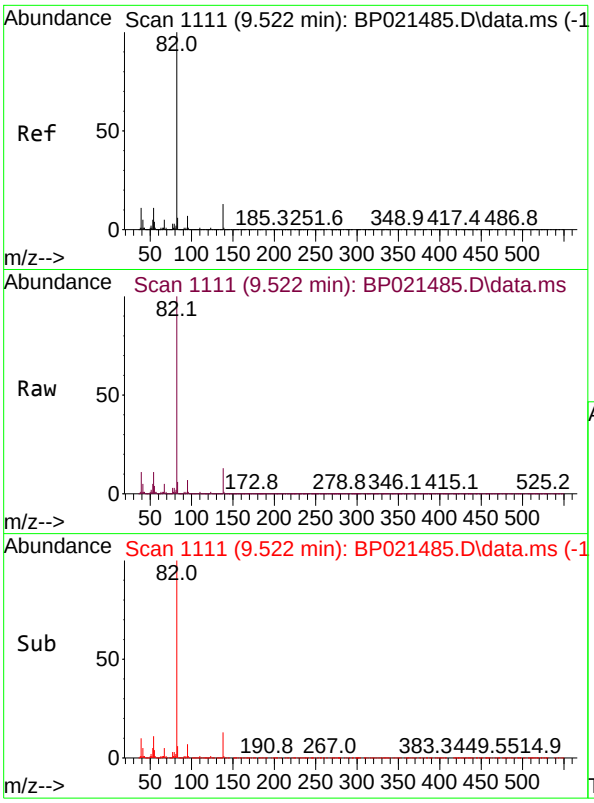


#24
Nitrobenzene
Concen: 42.085 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 1221296

Ion	Ratio	Lower	Upper
77	100		
123	36.9	29.5	44.3
65	12.4	9.9	14.9





#25
Isophorone
Concen: 39.915 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 251953

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	13.3	10.6	16.0

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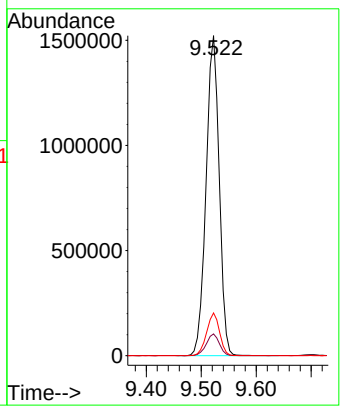
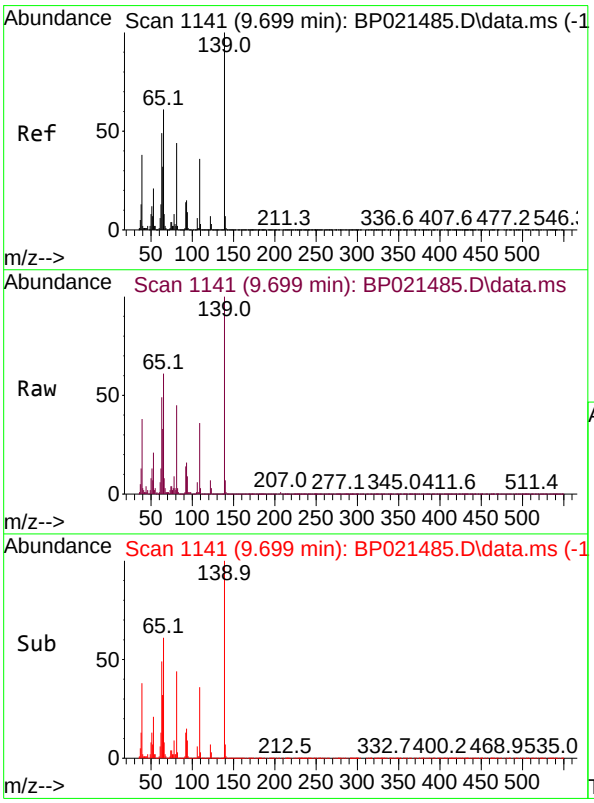
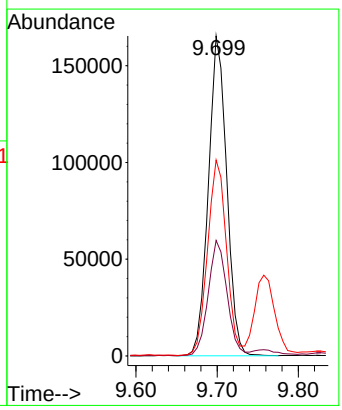


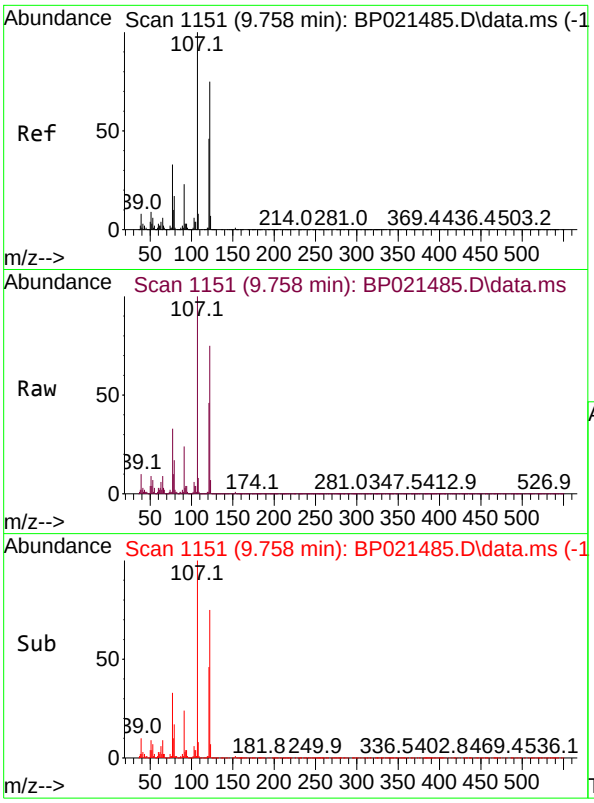


#26
2-Nitrophenol
Concen: 39.575 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 259209

Ion	Ratio	Lower	Upper
139	100		
109	36.1	28.9	43.3
65	61.3	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 39.900 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 62155

Ion	Ratio	Lower	Upper
122	100		
107	132.8	106.2	159.4
121	61.0	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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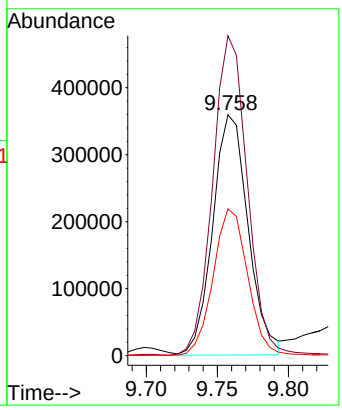
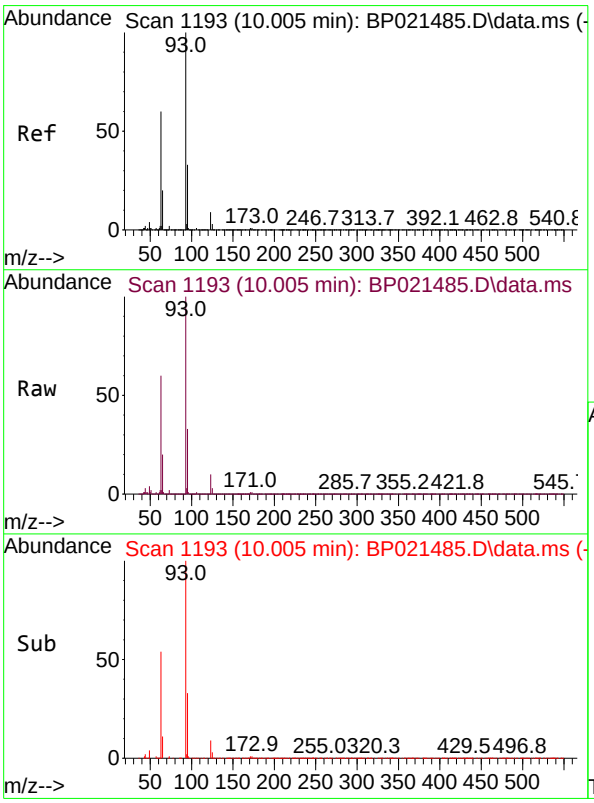
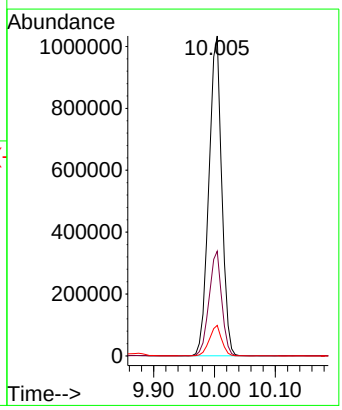


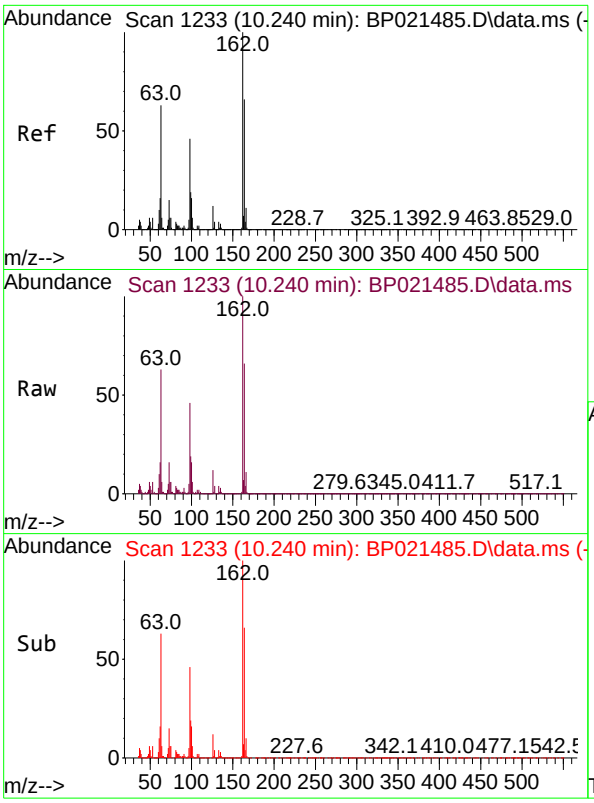


#28
bis(2-Chloroethoxy)methane
Concen: 39.336 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1515653

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 40.849 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 75187

Ion	Ratio	Lower	Upper
162	100		
164	65.9	45.9	85.9
98	46.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
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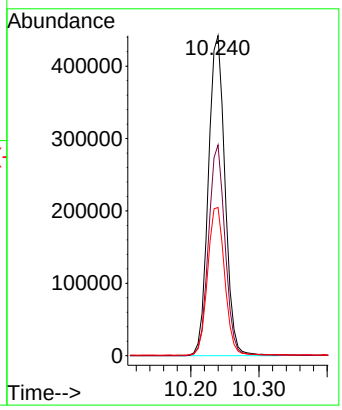
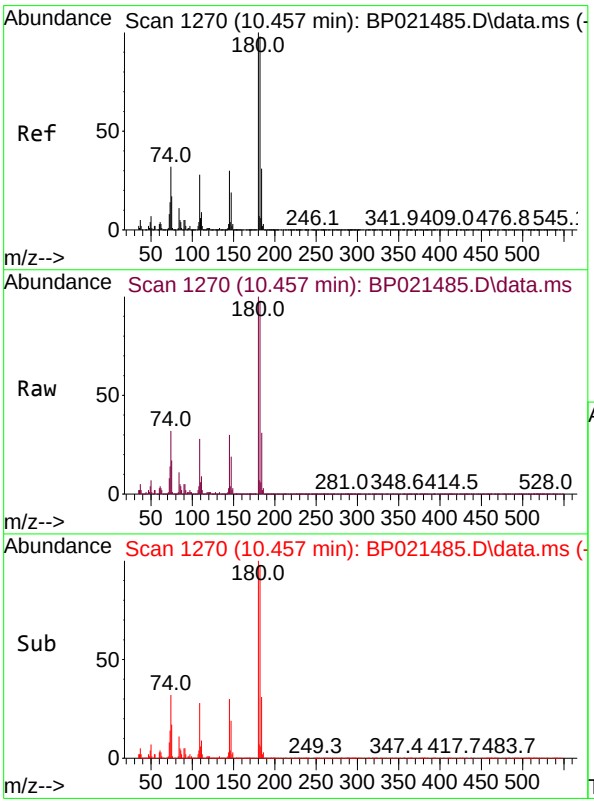
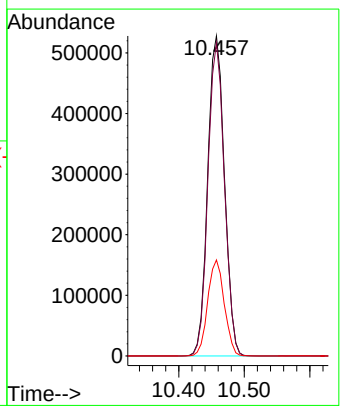


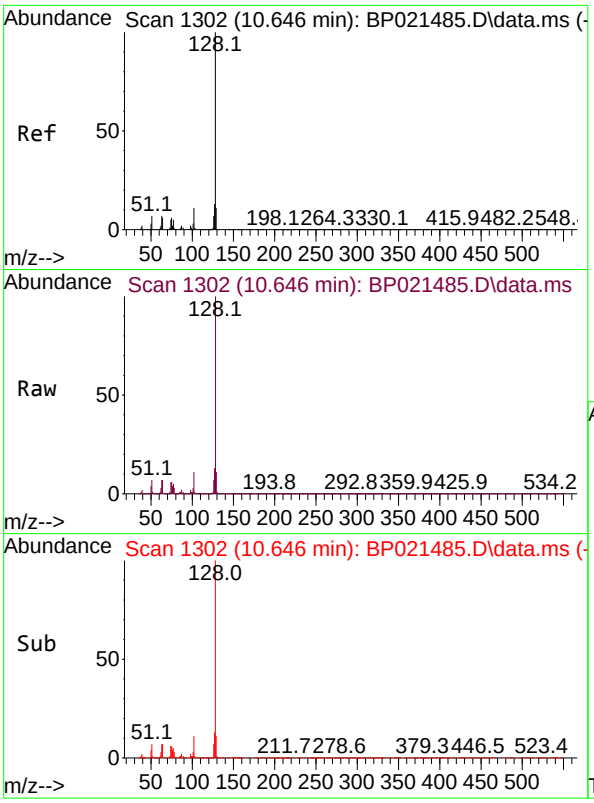


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 10.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:180 Resp: 938177

Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.3	117.5
145	30.0	24.0	36.0

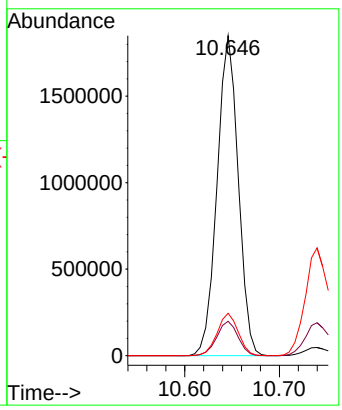




#31
Naphthalene
Concen: 39.845 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 287066

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.2	10.6	15.8



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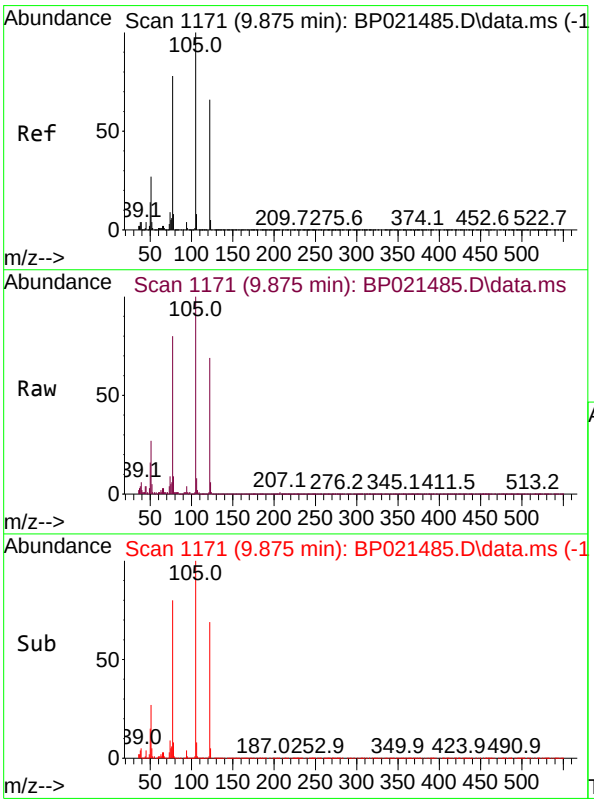
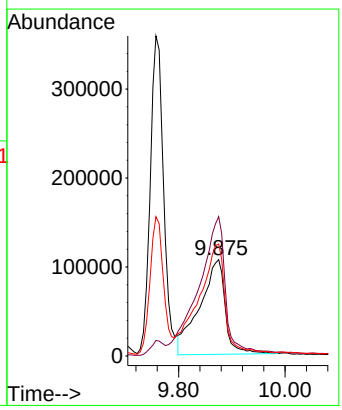
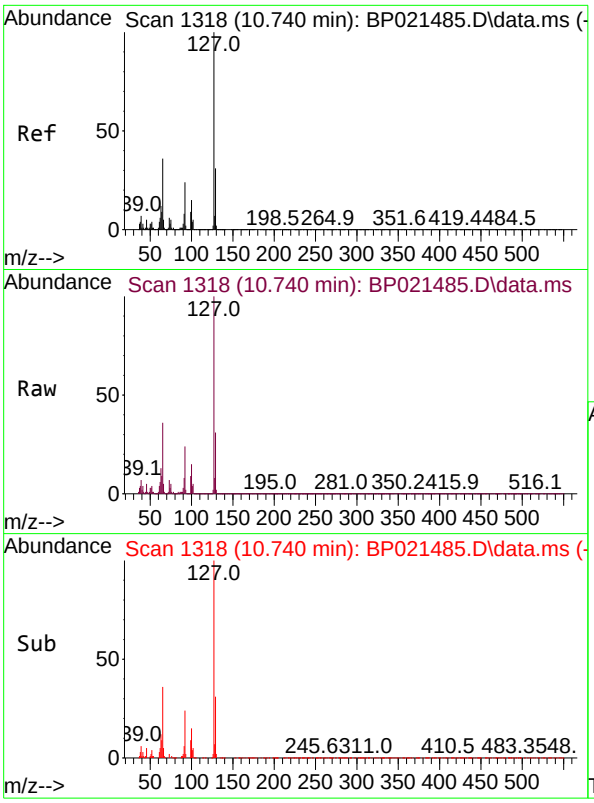


#32
Benzoic acid
Concen: 38.509 ng
RT: 9.875 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 356582

Ion	Ratio	Lower	Upper
122	100		
105	144.6	124.6	164.6
77	116.2	96.2	136.2

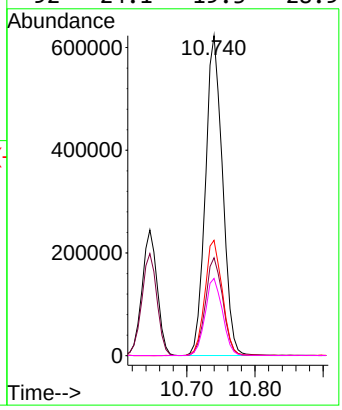




#33
4-Chloroaniline
Concen: 40.303 ng
RT: 10.740 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:127 Resp: 109071

Ion	Ratio	Lower	Upper
127	100		
129	30.6	24.5	36.7
65	36.1	28.9	43.3
92	24.1	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
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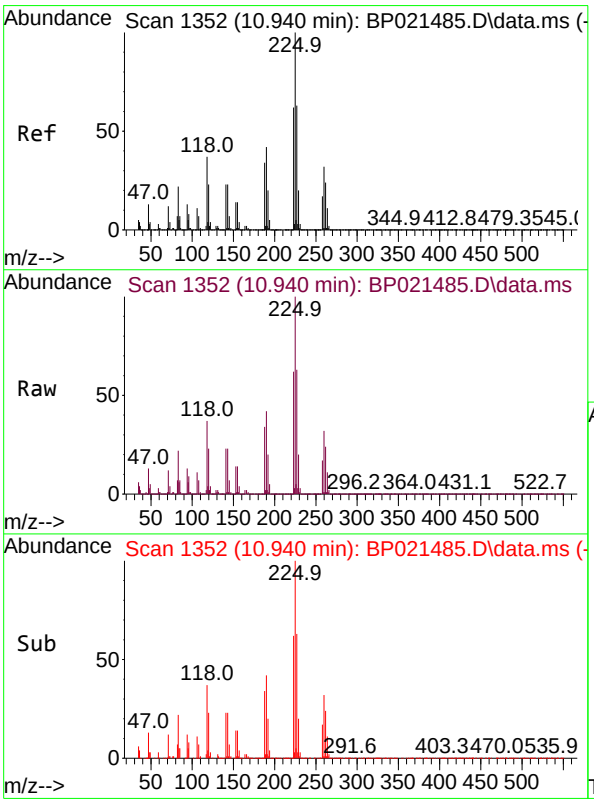
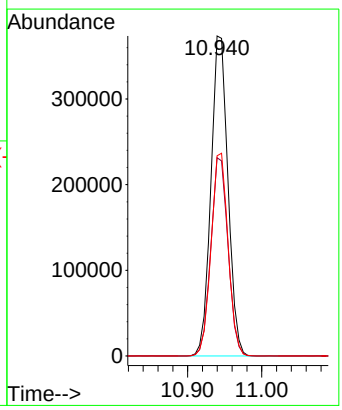
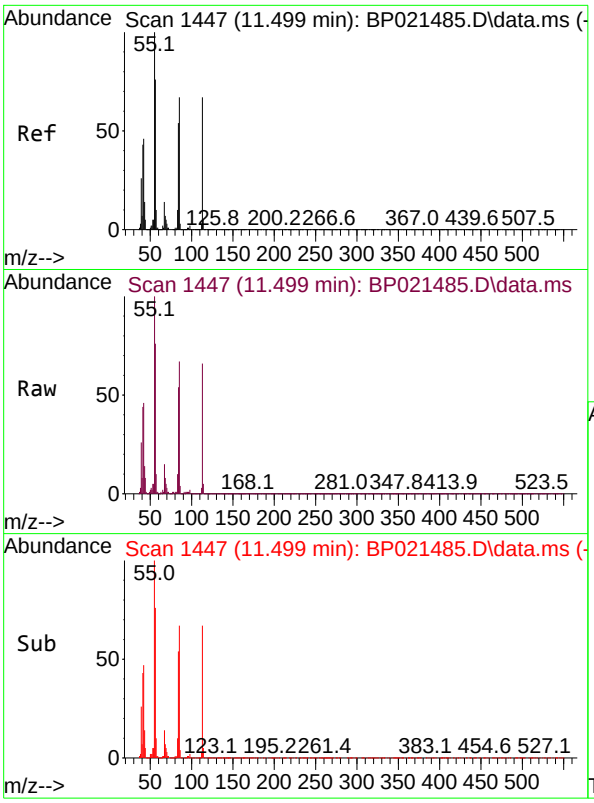


#34
Hexachlorobutadiene
Concen: 39.989 ng
RT: 10.940 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:225 Resp: 594148

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.6	74.4
227	62.6	50.1	75.1

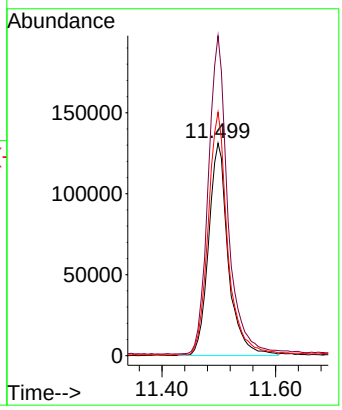




#35
Caprolactam
Concen: 41.005 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:113 Resp: 314109

Ion	Ratio	Lower	Upper
113	100		
55	150.6	130.6	170.6
56	114.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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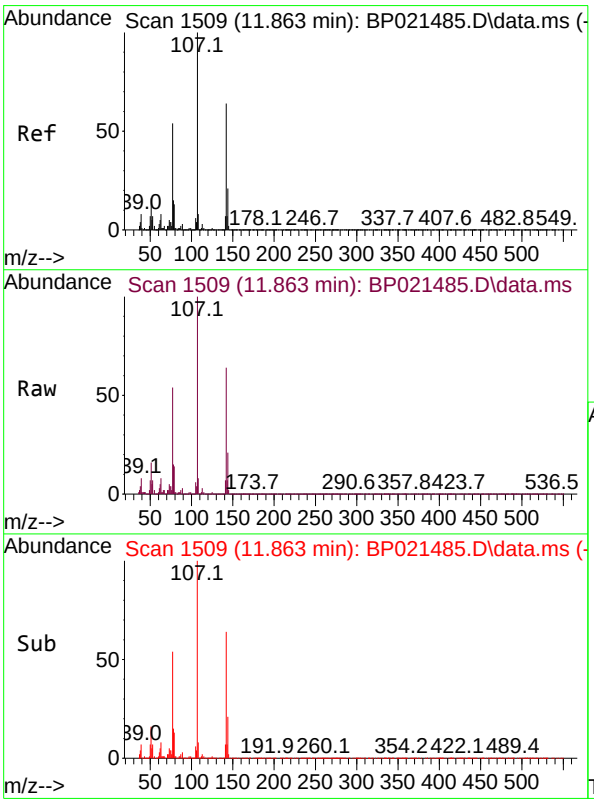
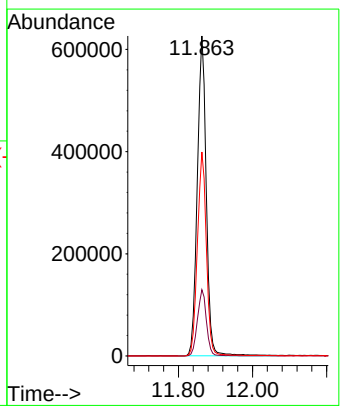
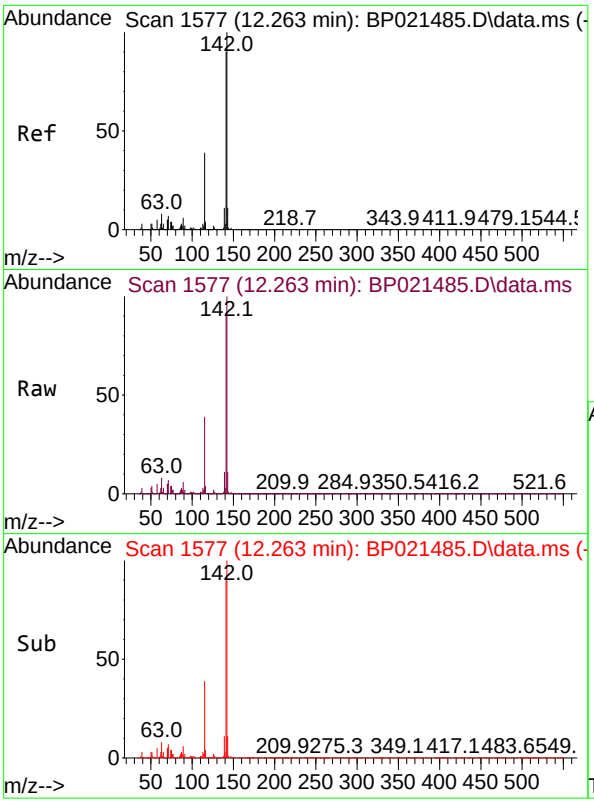


#36
4-Chloro-3-methylphenol
Concen: 41.323 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1055054

Ion	Ratio	Lower	Upper
107	100		
144	20.7	16.6	24.8
142	63.7	51.0	76.4

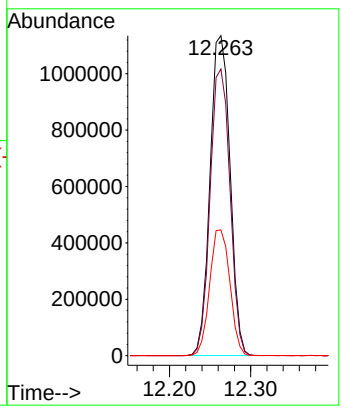




#37
2-Methylnaphthalene
Concen: 39.550 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 194471

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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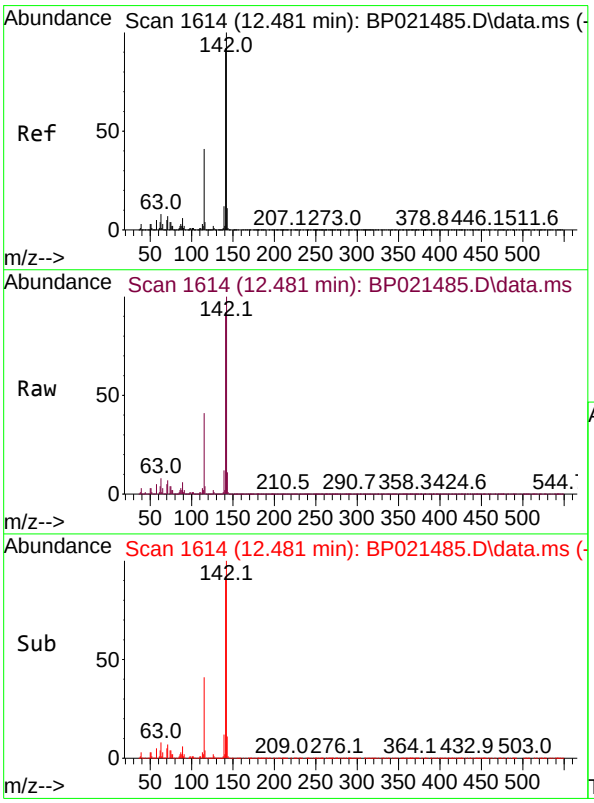
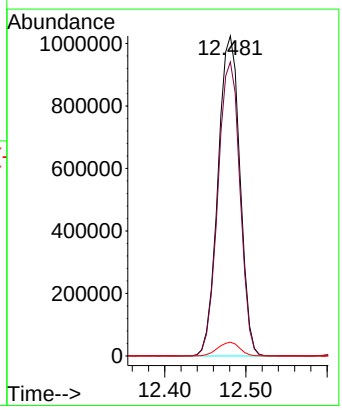
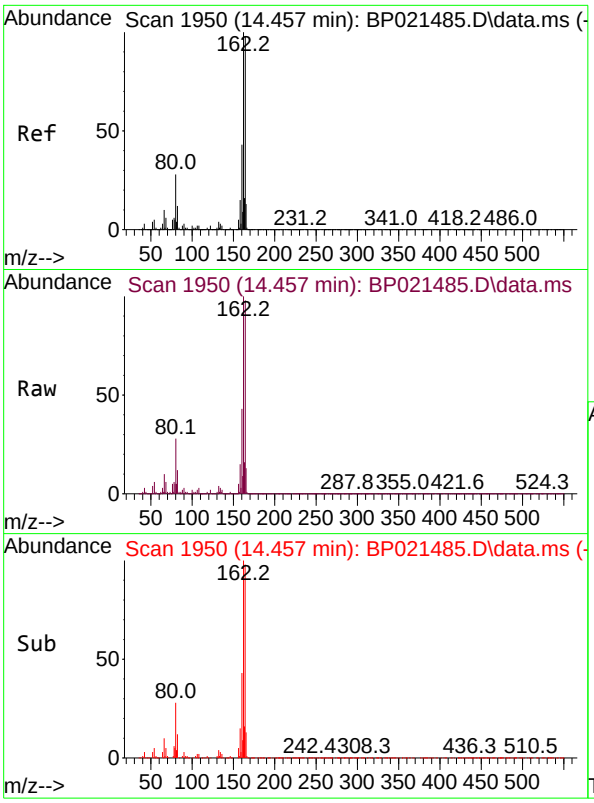


#38
1-Methylnaphthalene
Concen: 39.621 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 1921454

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3
116	4.3	3.4	5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 89024

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	44.0	35.2	52.8

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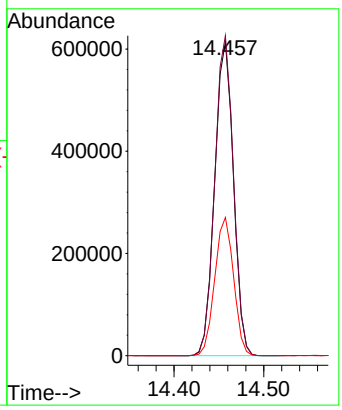
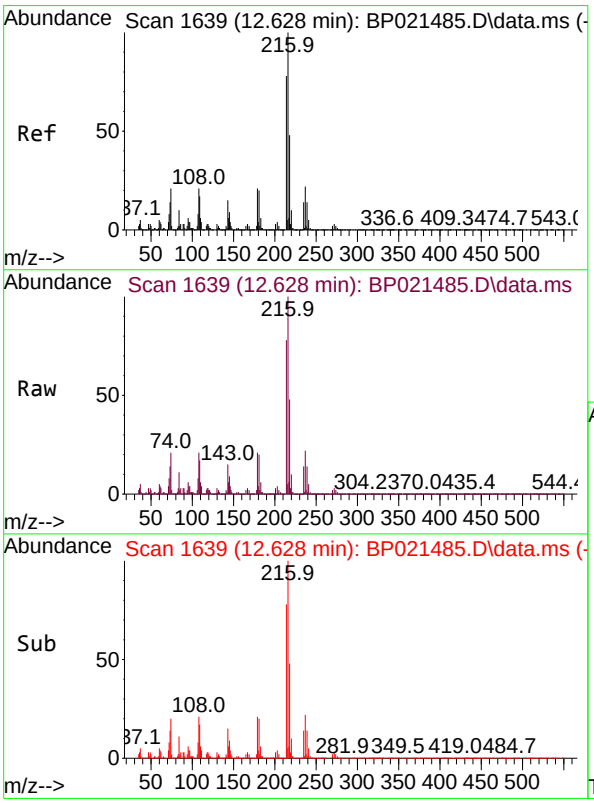
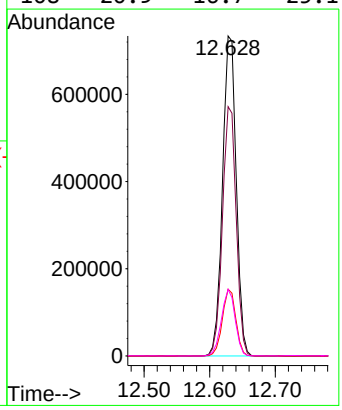


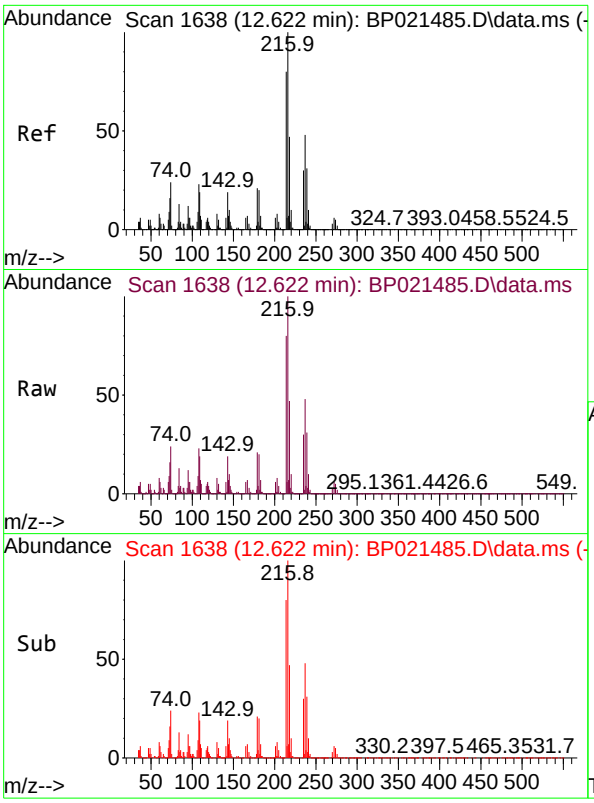


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.588 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:216 Resp: 1058707

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.5	16.4	24.6
108	20.9	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 41.293 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 34136

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.3	0.0	33.3

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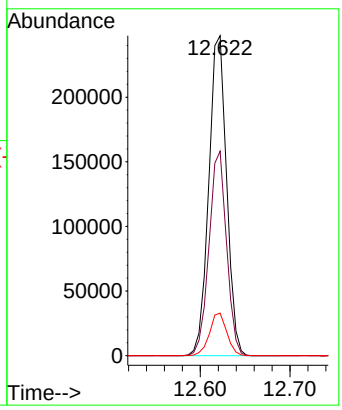
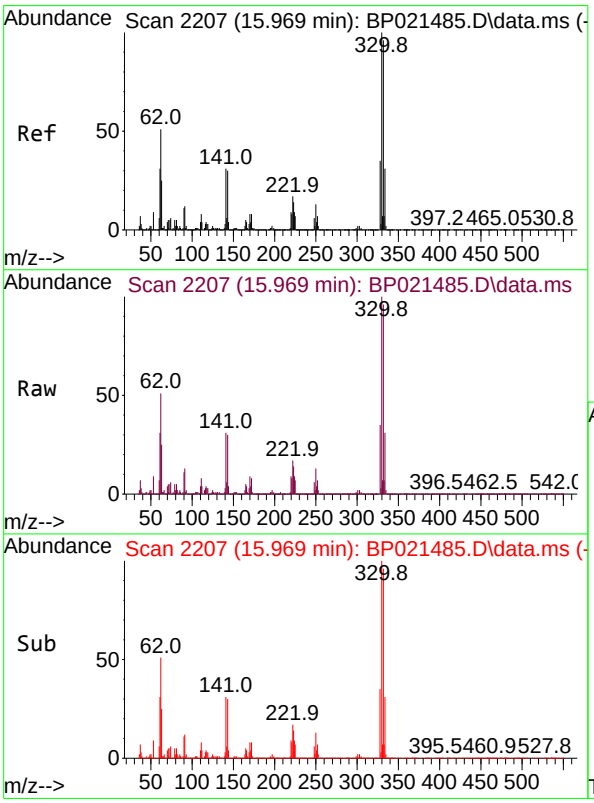
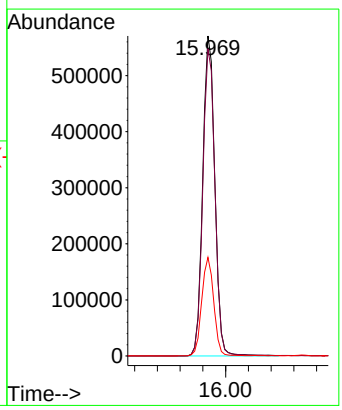


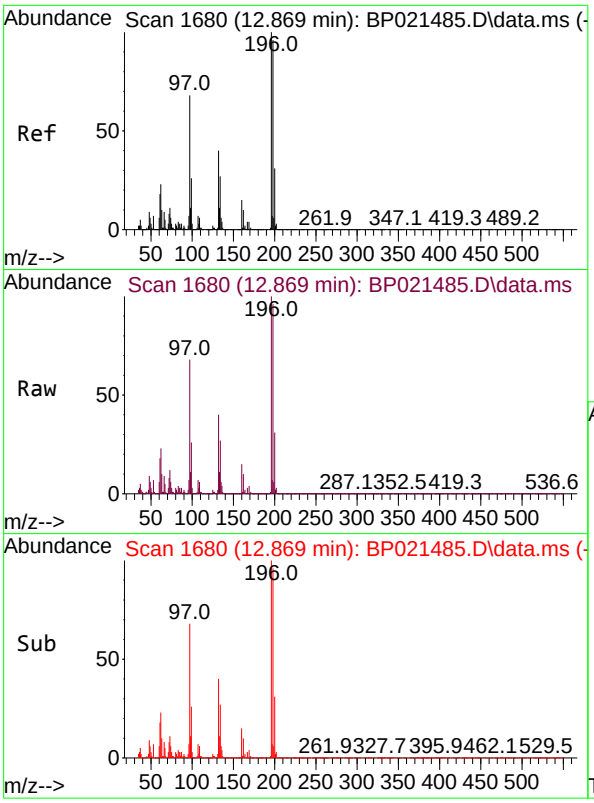


#42
2,4,6-Tribromophenol
Concen: 84.855 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:330 Resp: 840745

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	30.6	24.5	36.7

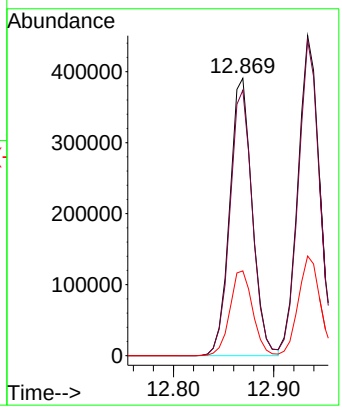




#43
2,4,6-Trichlorophenol
Concen: 42.100 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 61000

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
200	30.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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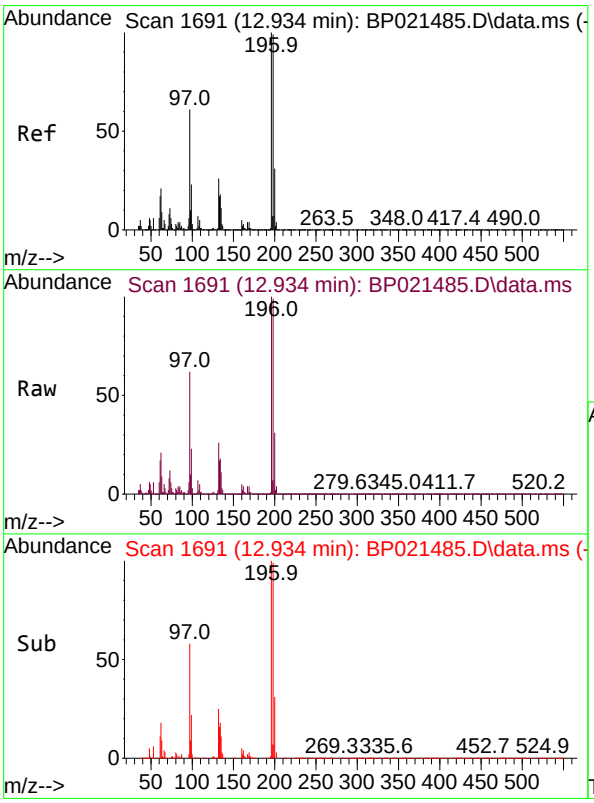
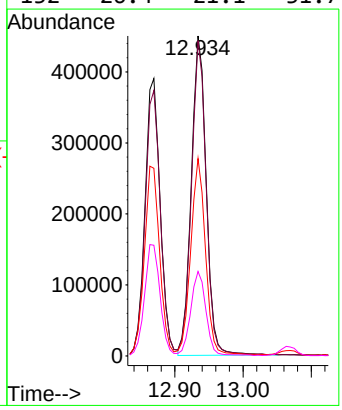
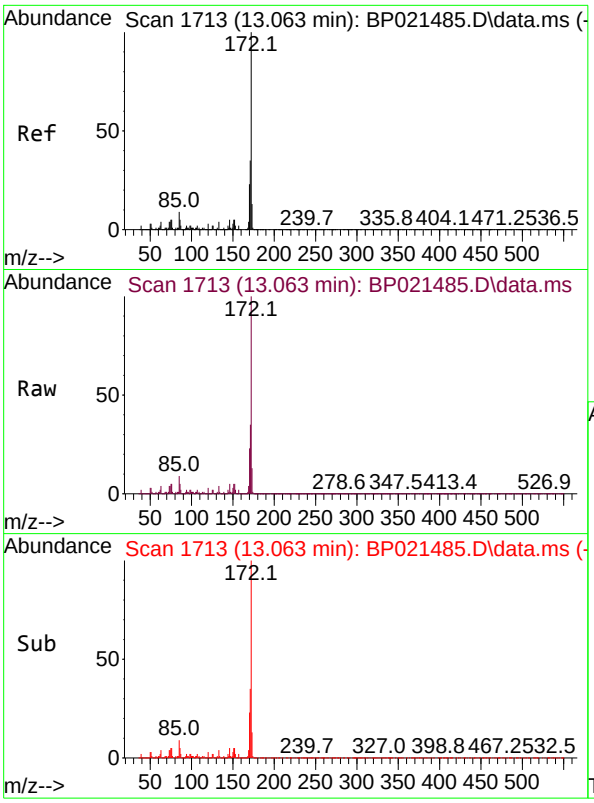


#44
2,4,5-Trichlorophenol
Concen: 42.300 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 680956

Ion	Ratio	Lower	Upper
196	100		
198	98.6	78.9	118.3
97	61.7	49.4	74.0
132	26.4	21.1	31.7

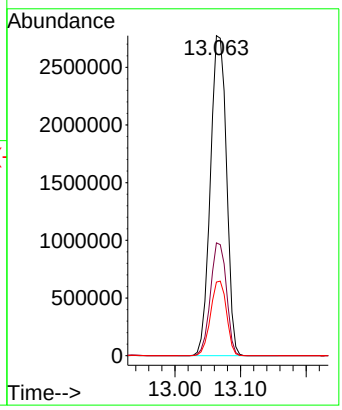




#45
2-Fluorobiphenyl
Concen: 81.001 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:172 Resp: 472498

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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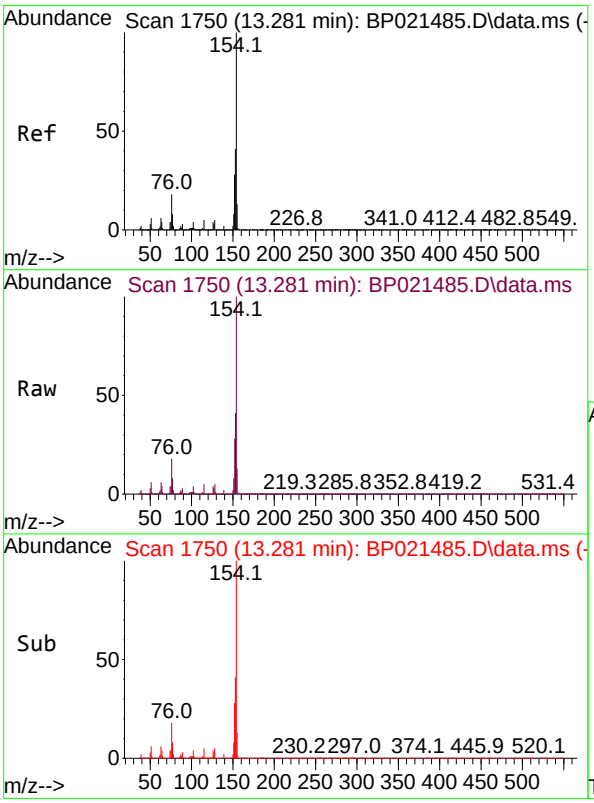
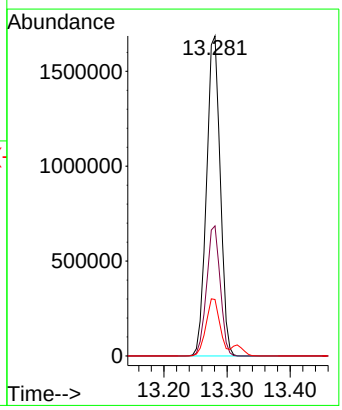
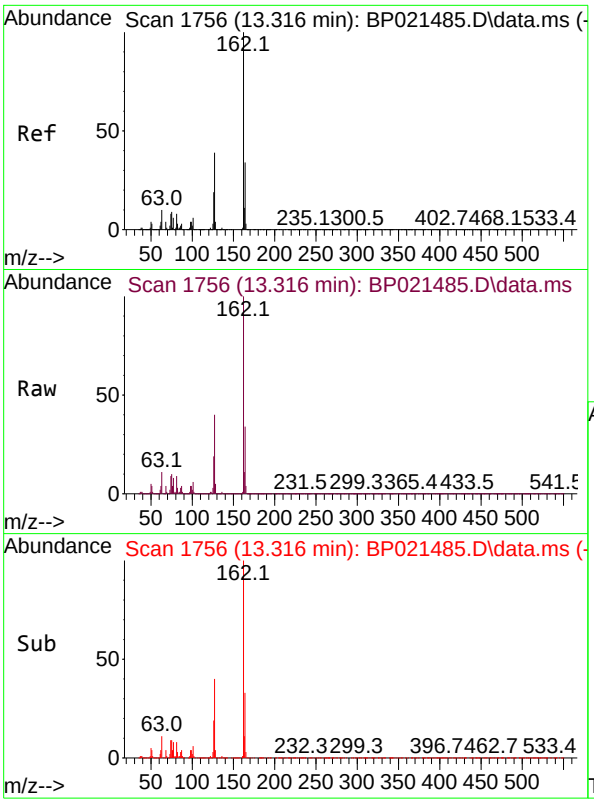


#46
1,1'-Biphenyl
Concen: 40.370 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 2542708

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	17.7	0.0	37.7

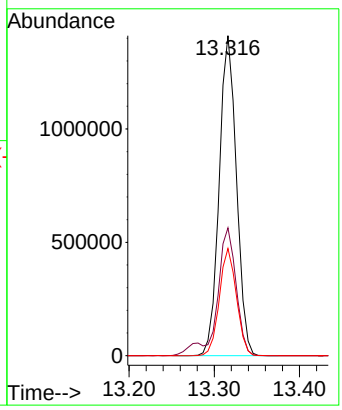




#47
2-Chloronaphthalene
Concen: 40.538 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 198783

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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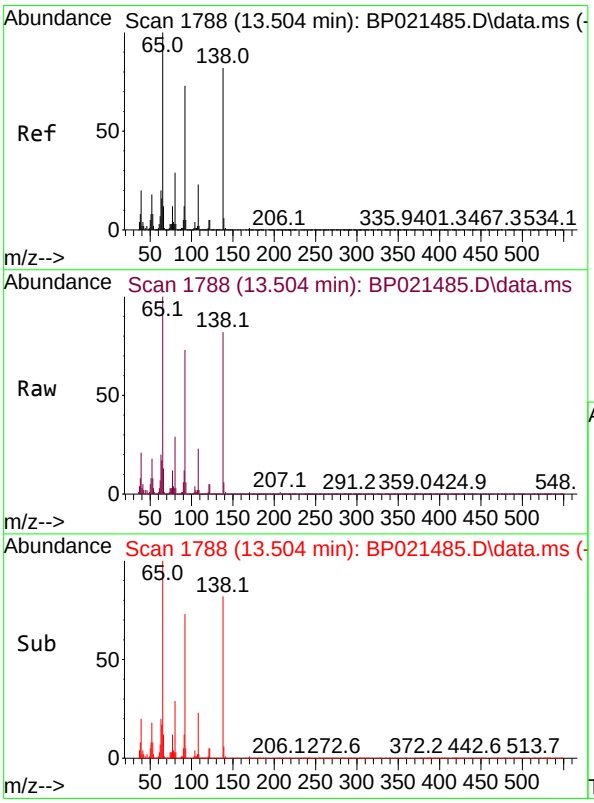
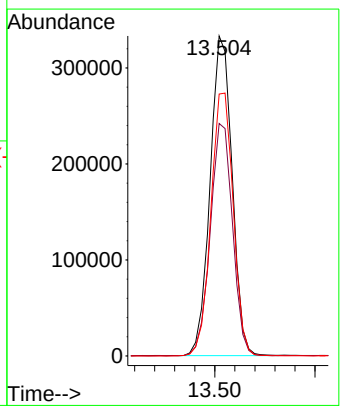
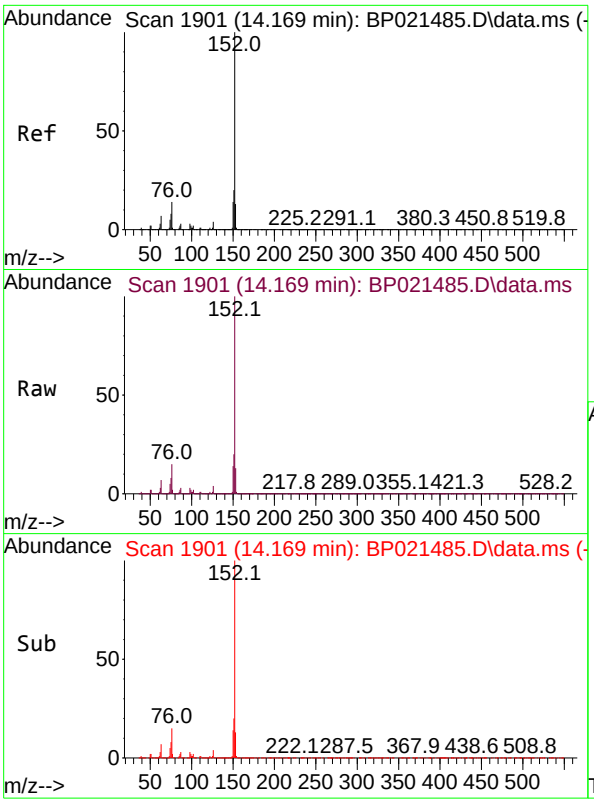


#48
2-Nitroaniline
Concen: 38.074 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 65 Resp: 506883

Ion	Ratio	Lower	Upper
65	100		
92	72.6	58.1	87.1
138	81.9	65.5	98.3





#49
Acenaphthylene
Concen: 40.630 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 292881

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0

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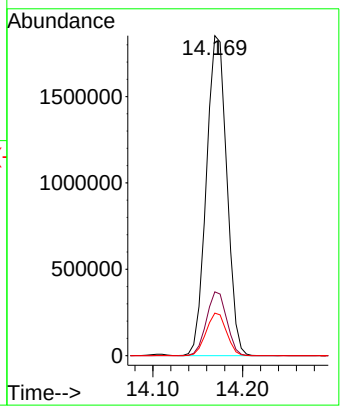
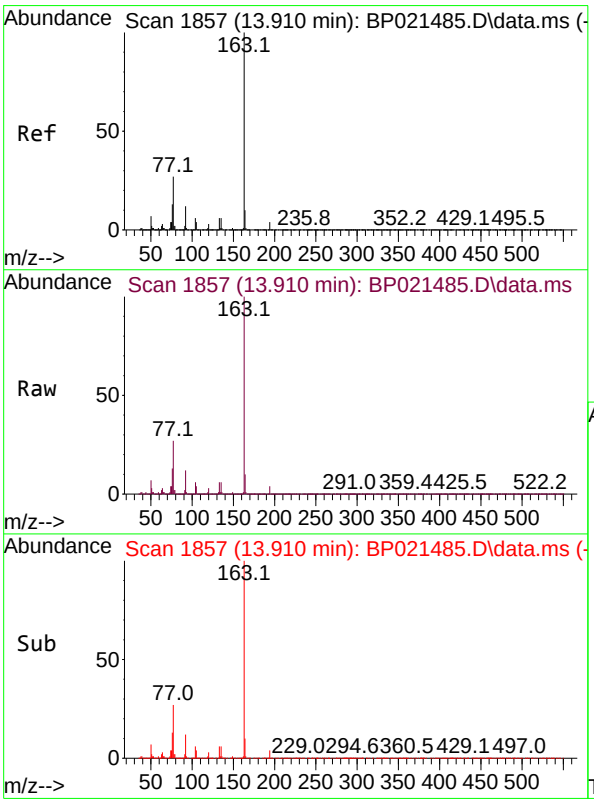
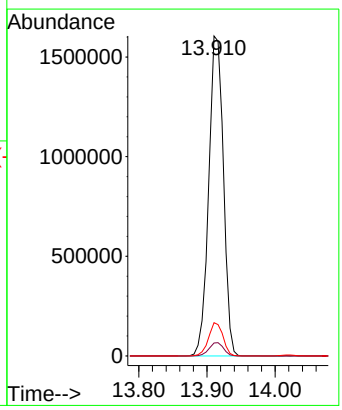


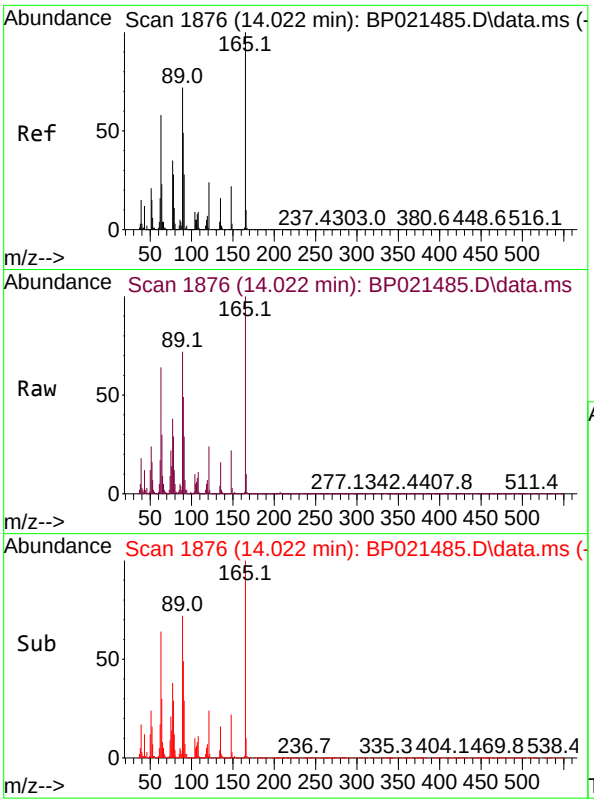


#50
Dimethylphthalate
Concen: 40.392 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:163 Resp: 2408078

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.3	12.5

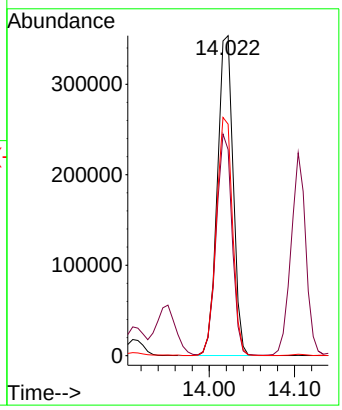




#51
2,6-Dinitrotoluene
Concen: 38.650 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 45468

Ion	Ratio	Lower	Upper
165	100		
63	64.4	51.5	77.3
89	72.3	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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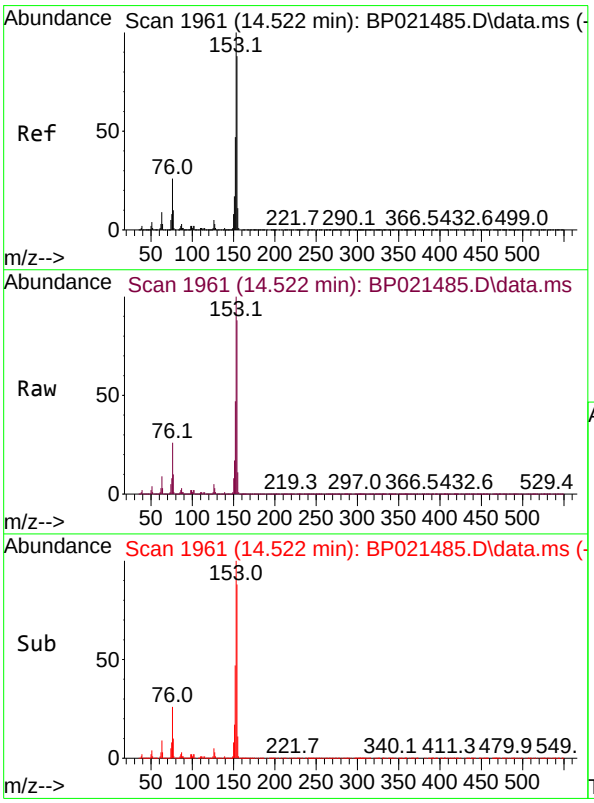
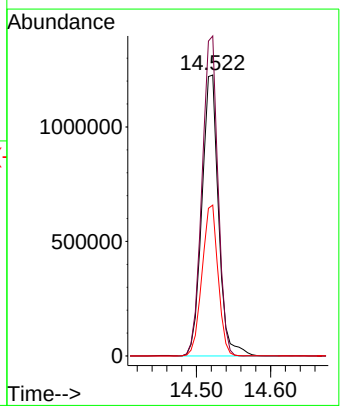
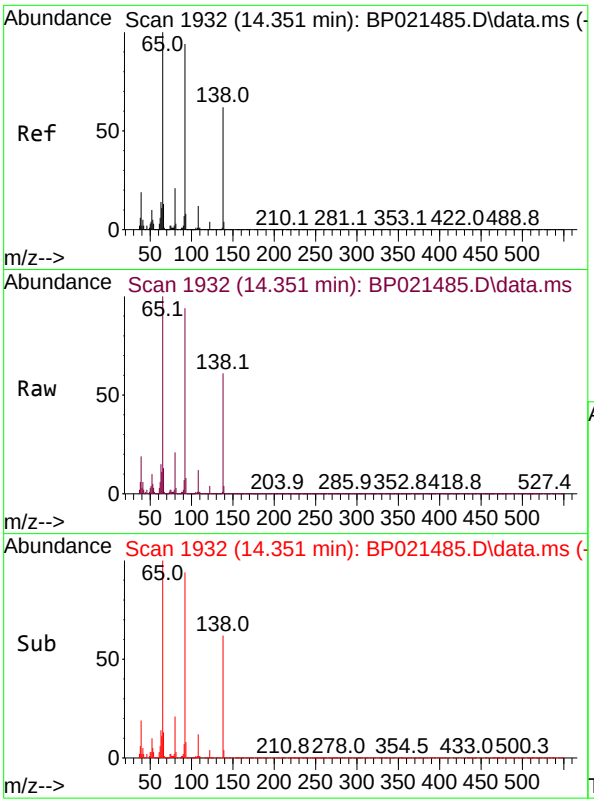


#52
Acenaphthene
Concen: 40.406 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 1911119

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.1	136.7
152	53.7	43.0	64.4

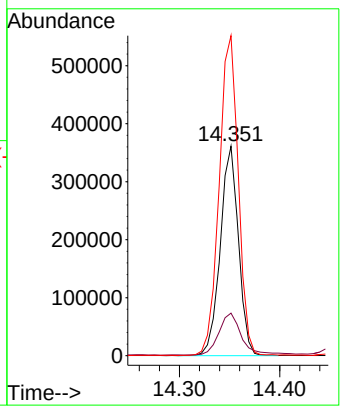




#53
3-Nitroaniline
Concen: 39.107 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 45293

Ion	Ratio	Lower	Upper
138	100		
108	20.3	16.2	24.4
92	152.8	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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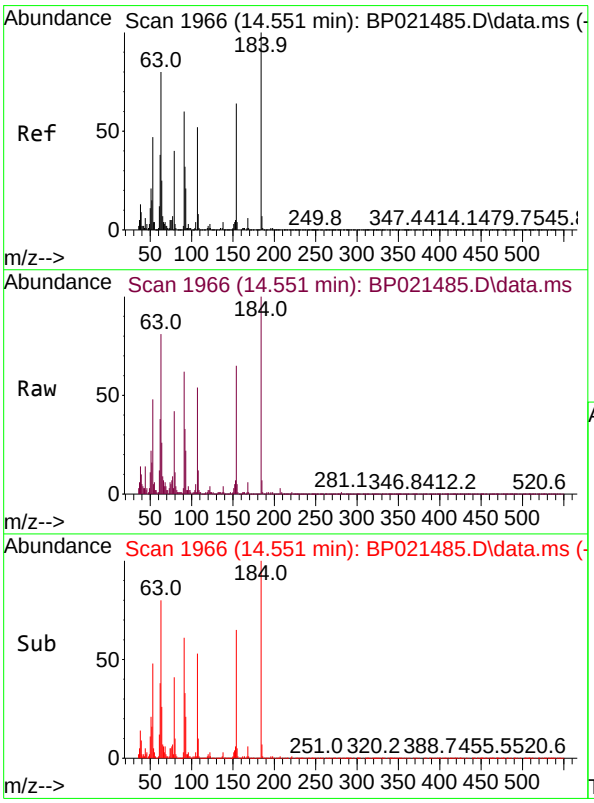
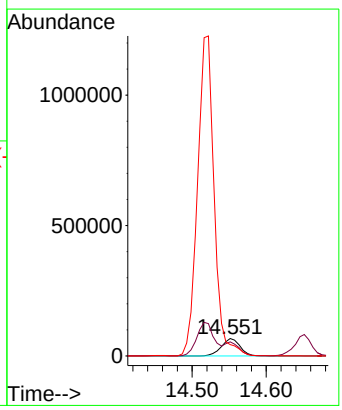
Supervised By :mohammad ahmed 08/14/2024

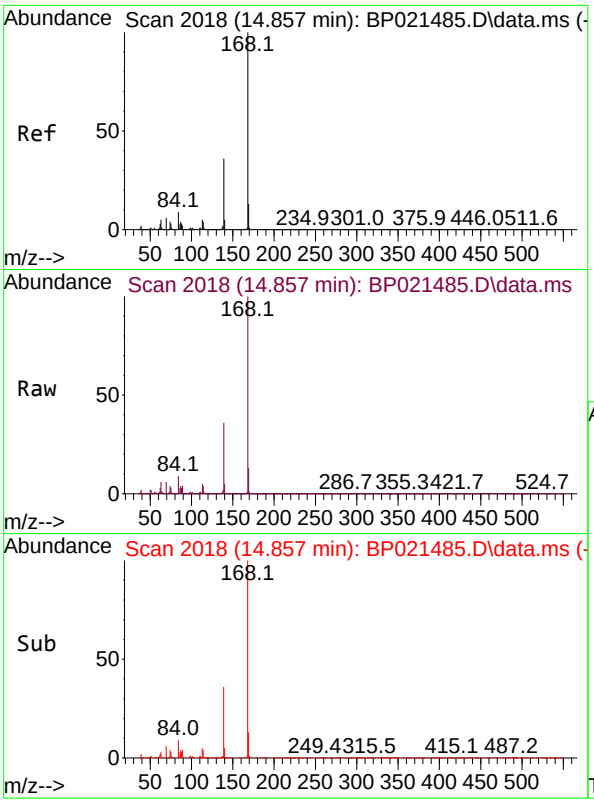


#54
2,4-Dinitrophenol
Concen: 38.943 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 116797

Ion	Ratio	Lower	Upper
184	100		
63	81.1	64.9	97.3
154	65.1	52.1	78.1





#55
Dibenzofuran
Concen: 40.359 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 293651

Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.6	43.0
169	13.3	10.6	16.0

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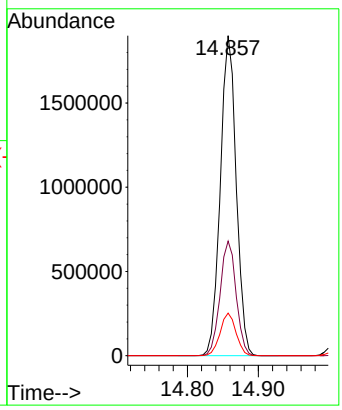
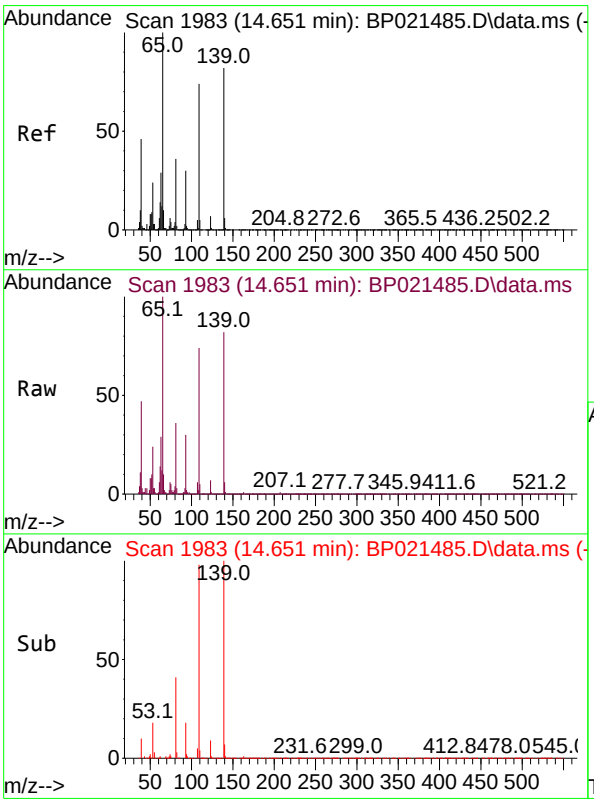
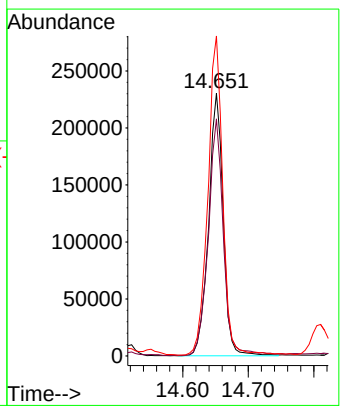


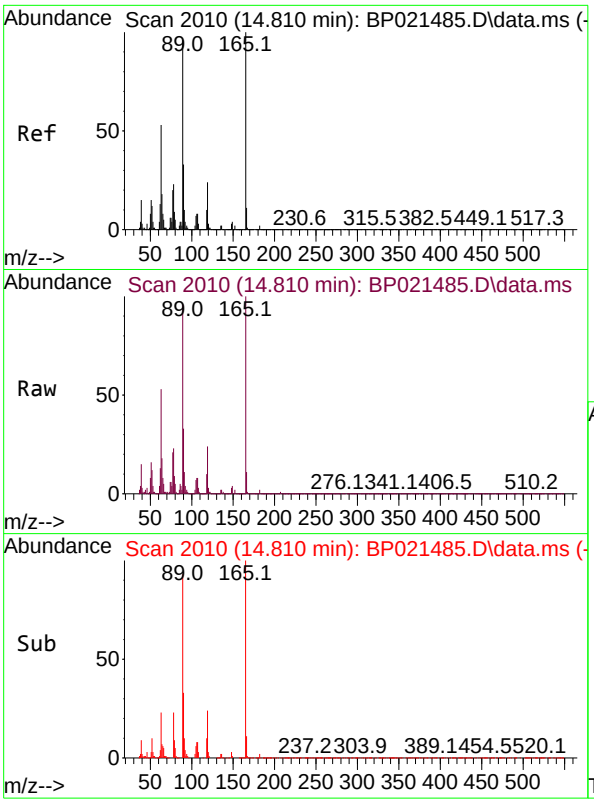


#56
4-Nitrophenol
Concen: 39.073 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 358912

Ion	Ratio	Lower	Upper
139	100		
109	90.2	70.2	110.2
65	121.8	101.8	141.8

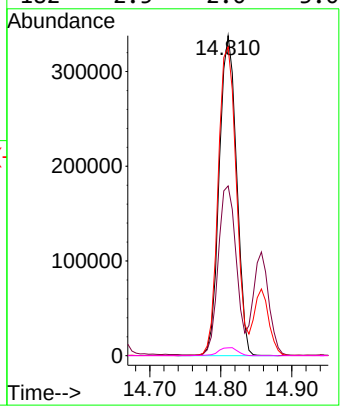




#57
2,4-Dinitrotoluene
Concen: 38.397 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 57022

Ion	Ratio	Lower	Upper
165	100		
63	53.1	42.5	63.7
89	96.4	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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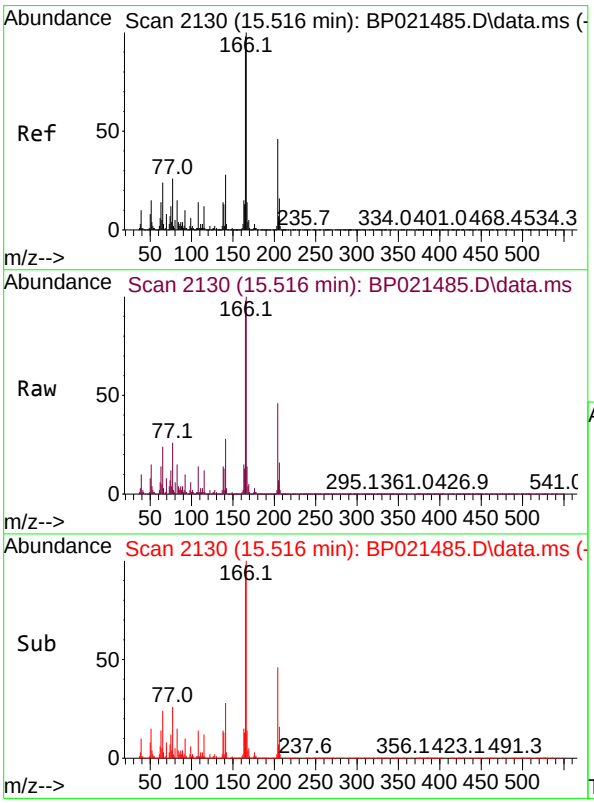
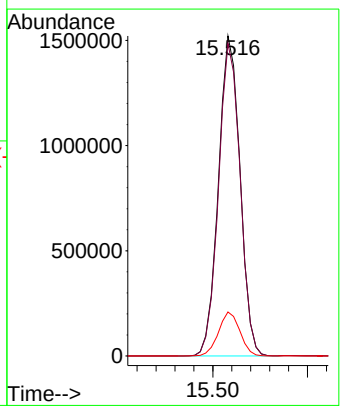
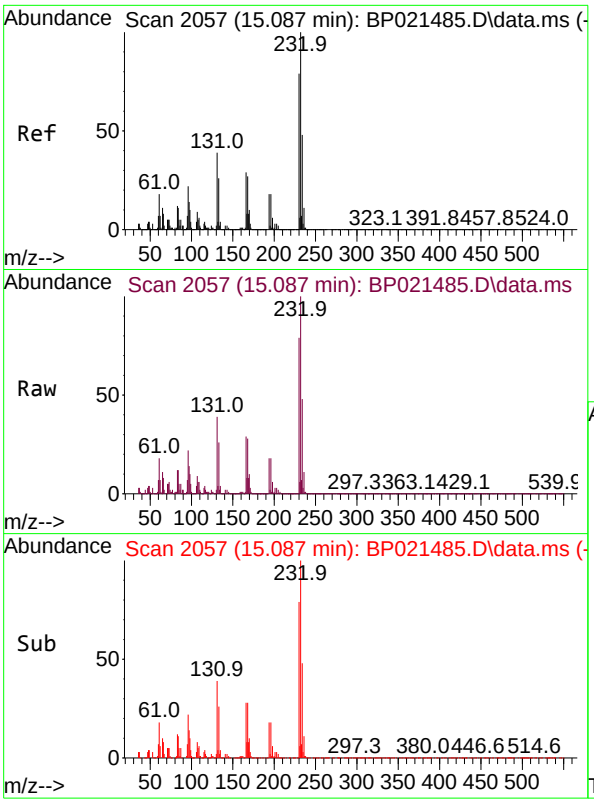


#58
Fluorene
Concen: 40.326 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:166 Resp: 2410461

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.7	11.0	16.4

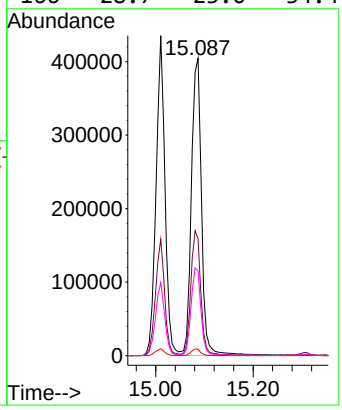




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.766 ng
RT: 15.087 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:232 Resp: 58435

Ion	Ratio	Lower	Upper
232	100		
131	41.4	33.1	49.7
130	2.1	1.7	2.5
166	28.7	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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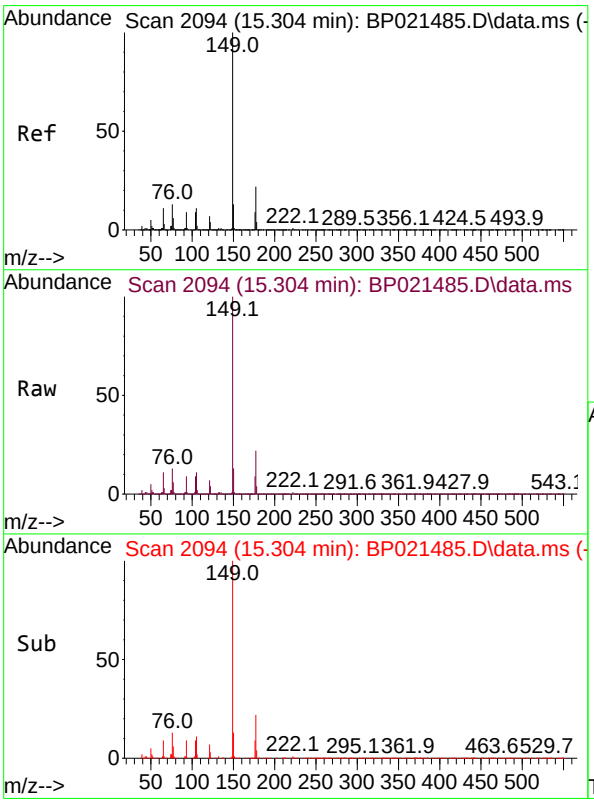
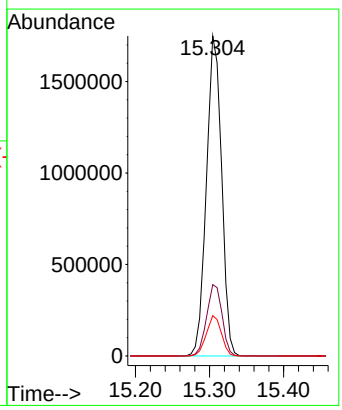
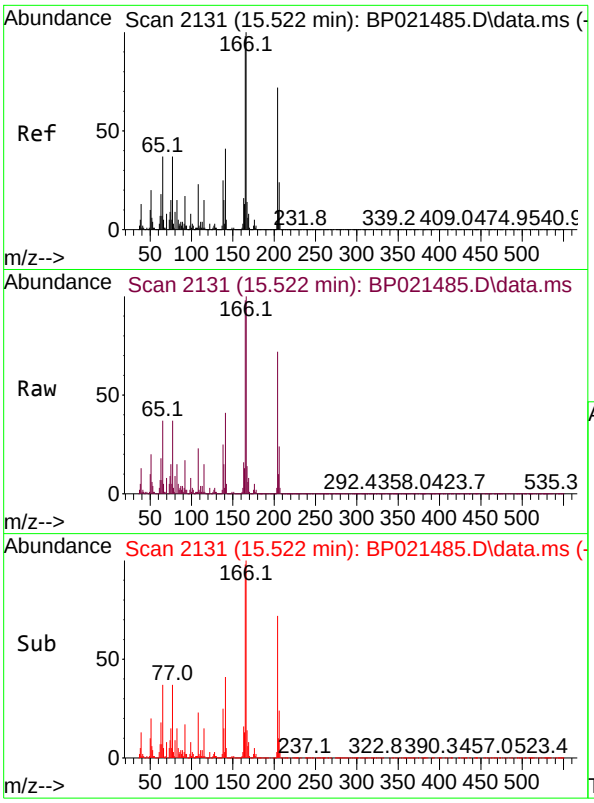


#60
Diethylphthalate
Concen: 40.656 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2486968

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.6	10.1	15.1

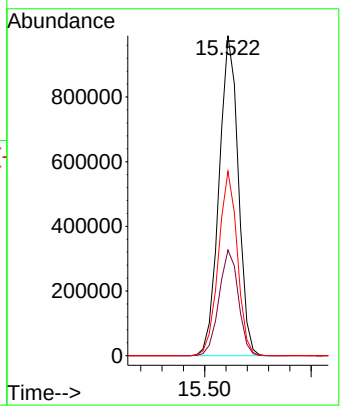




#61
4-Chlorophenyl-phenylether
Concen: 40.022 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:204 Resp: 123657

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	57.6	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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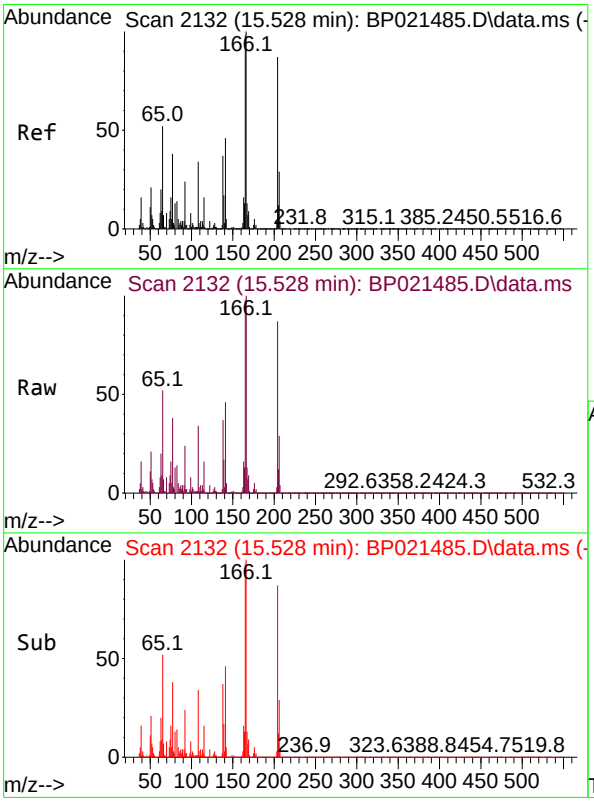
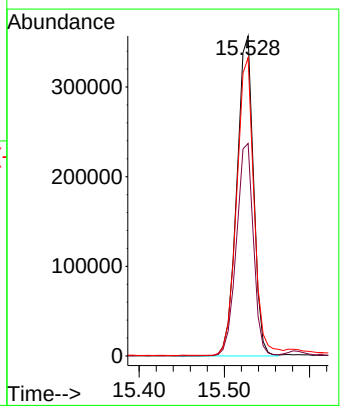
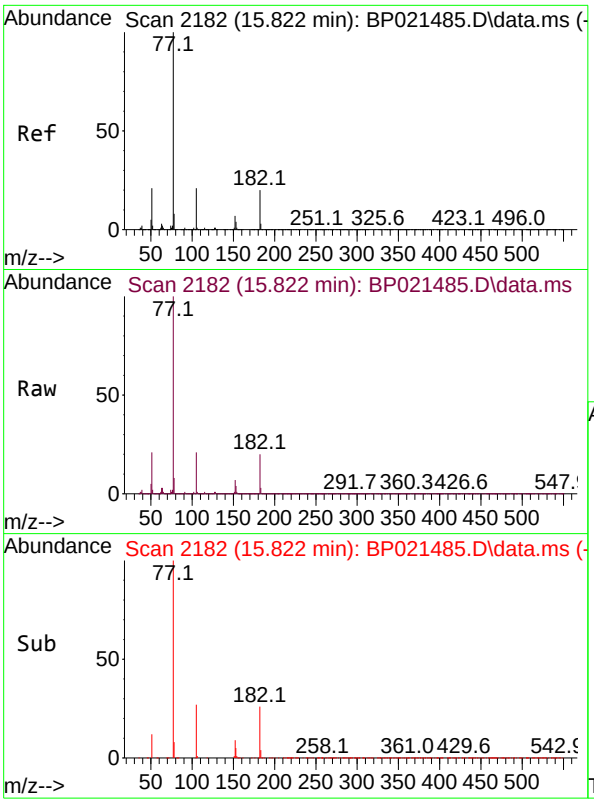


#62
4-Nitroaniline
Concen: 40.451 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 485672

Ion	Ratio	Lower	Upper
138	100		
92	66.4	46.4	86.4
108	93.2	73.2	113.2





#63
Azobenzene
Concen: 40.594 ng
RT: 15.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 305244

Ion	Ratio	Lower	Upper
77	100		
182	19.9	0.0	39.9
105	20.9	0.9	40.9
51	21.4	1.4	41.4

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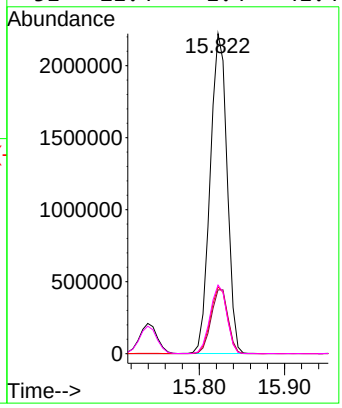
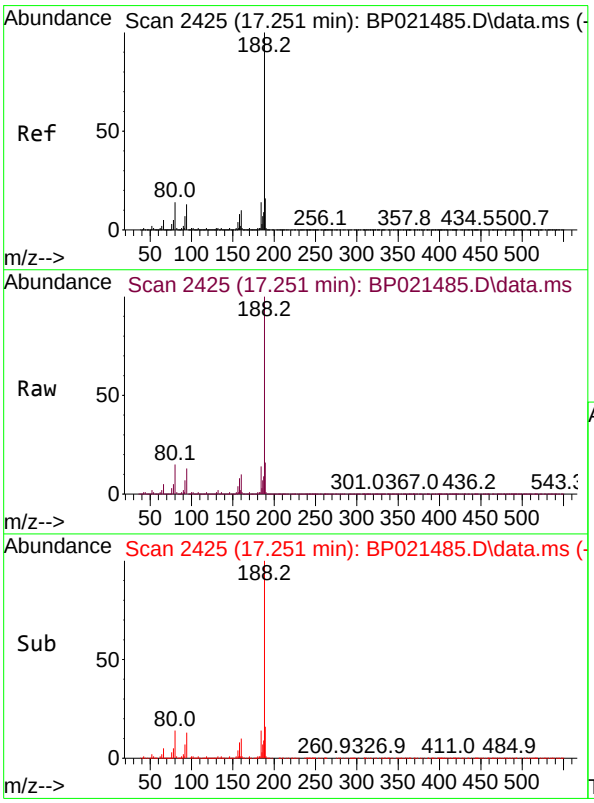
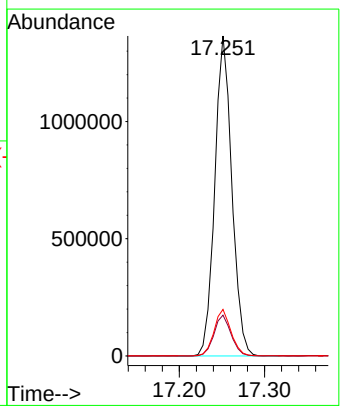


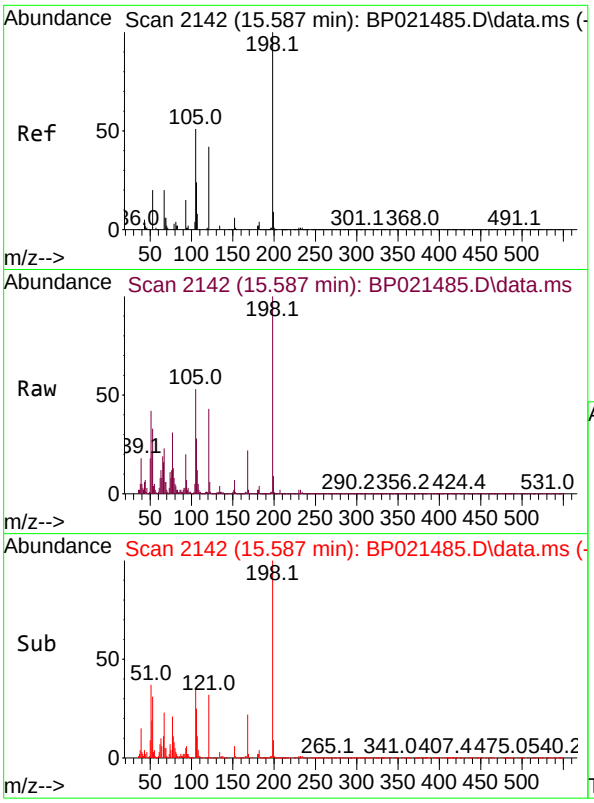


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:188 Resp: 1905279

Ion	Ratio	Lower	Upper
188	100		
94	12.8	10.2	15.4
80	14.5	11.6	17.4

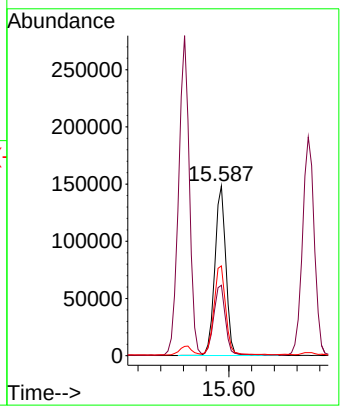




#65
4,6-Dinitro-2-methylphenol
Concen: 38.603 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:198 Resp: 19915

Ion	Ratio	Lower	Upper
198	100		
51	41.5	21.5	61.5
105	52.9	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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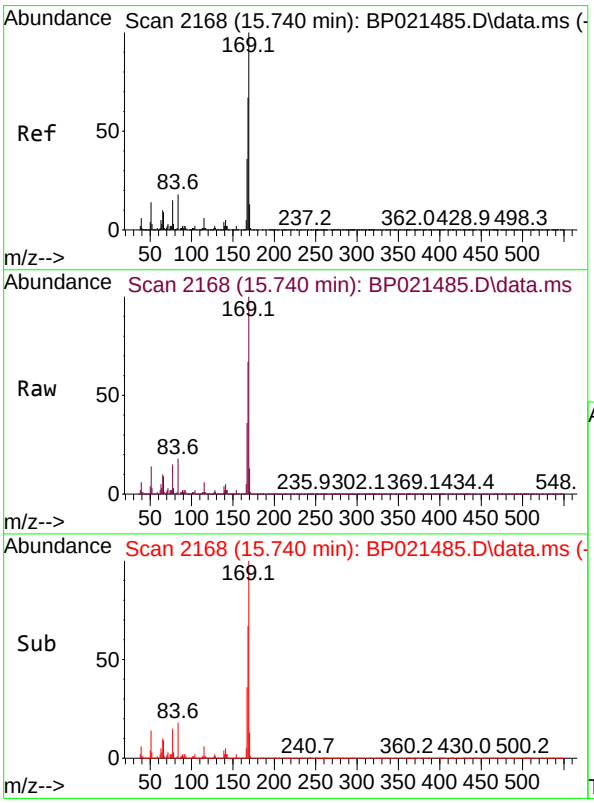
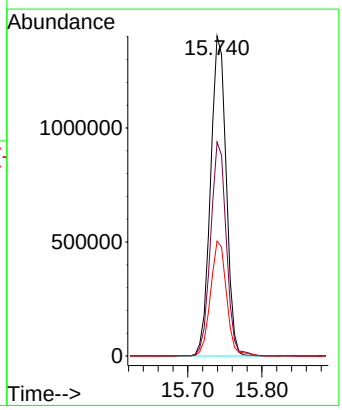
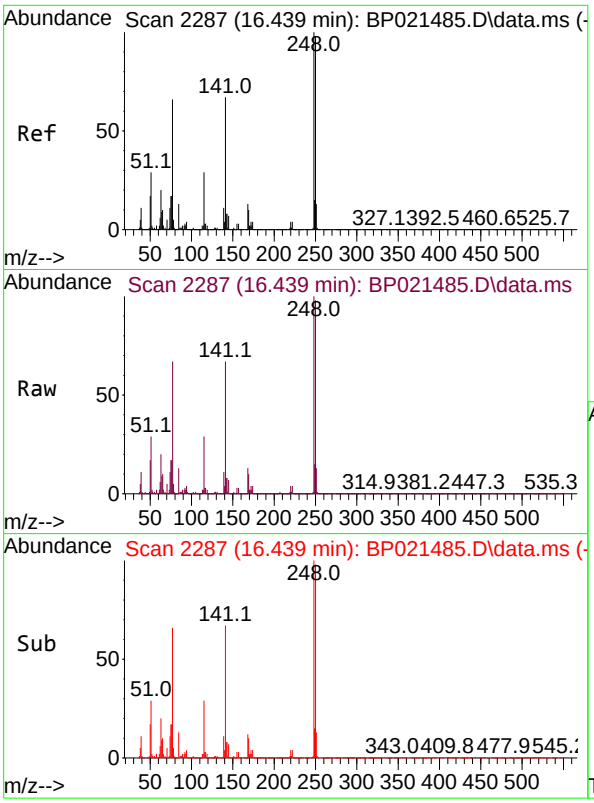


#66
n-Nitrosodiphenylamine
Concen: 40.175 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:169 Resp: 2051265

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.9	28.7	43.1

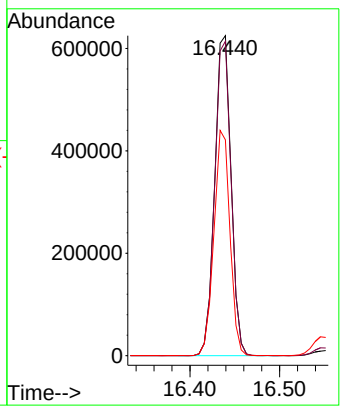




#67
4-Bromophenyl-phenylether
Concen: 39.211 ng
RT: 16.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:248 Resp: 79067

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	67.4	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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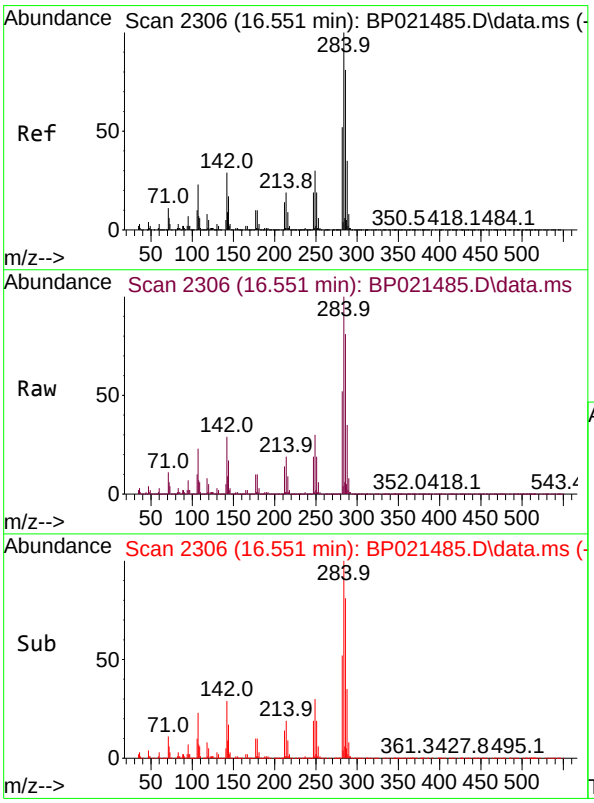
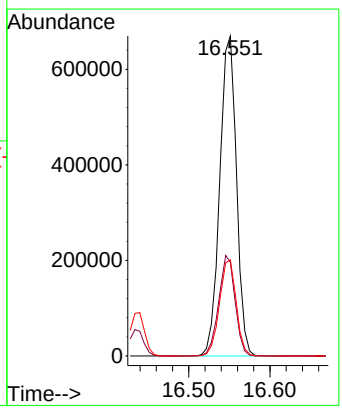
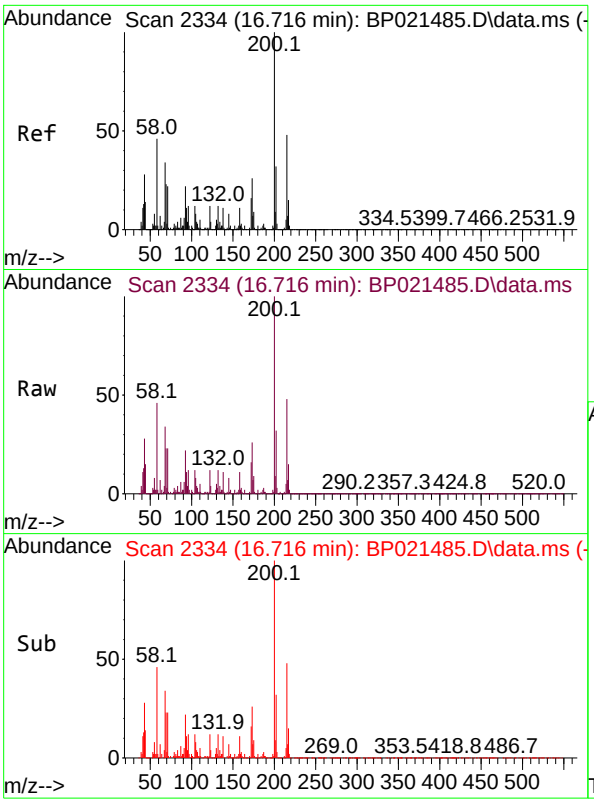


#68
Hexachlorobenzene
Concen: 40.240 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:284 Resp: 958921

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1





#69
Atrazine
Concen: 41.419 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:200 Resp: 72607

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	48.4	28.4	68.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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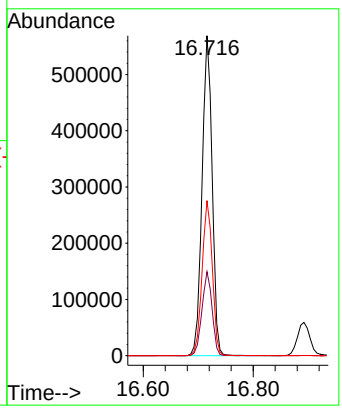
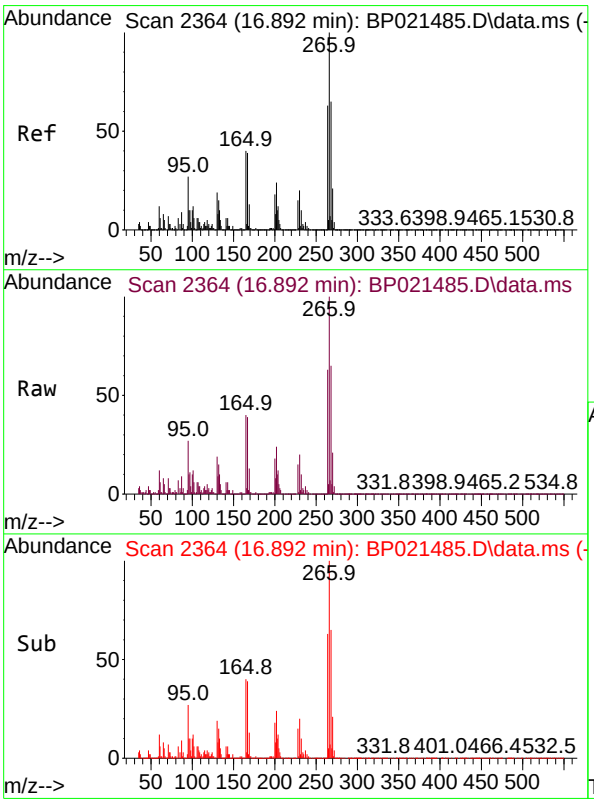
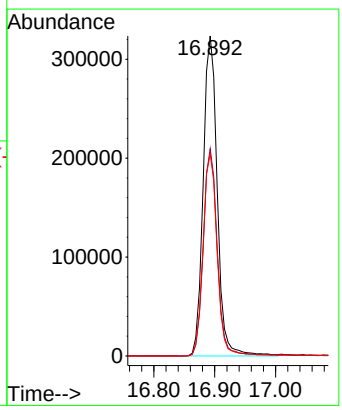


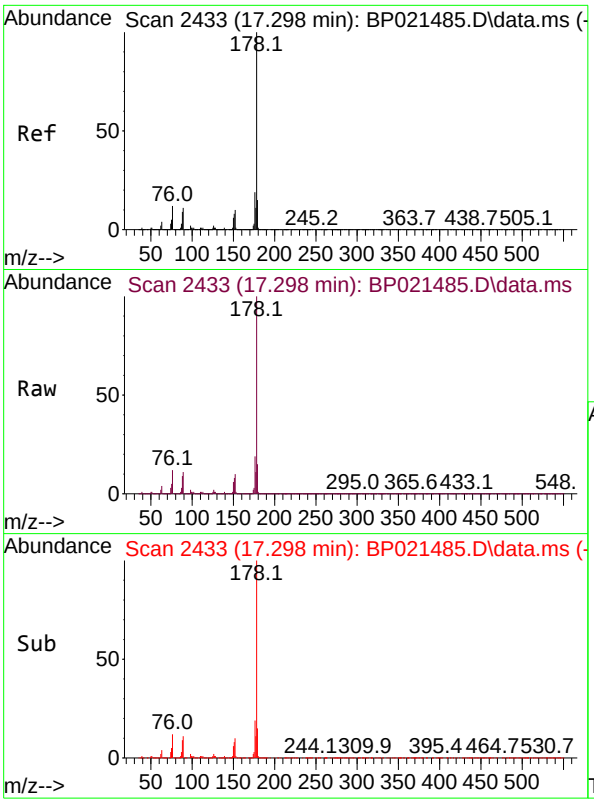


#70
Pentachlorophenol
Concen: 40.011 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:266 Resp: 520400

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.8	77.6
264	63.1	50.5	75.7

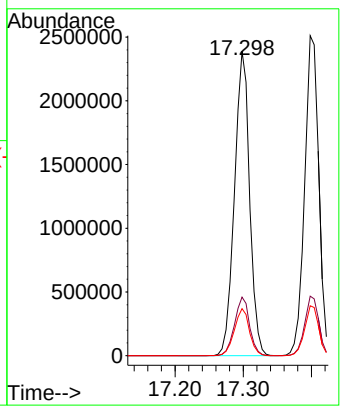




#71
Phenanthrene
Concen: 40.150 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 367886

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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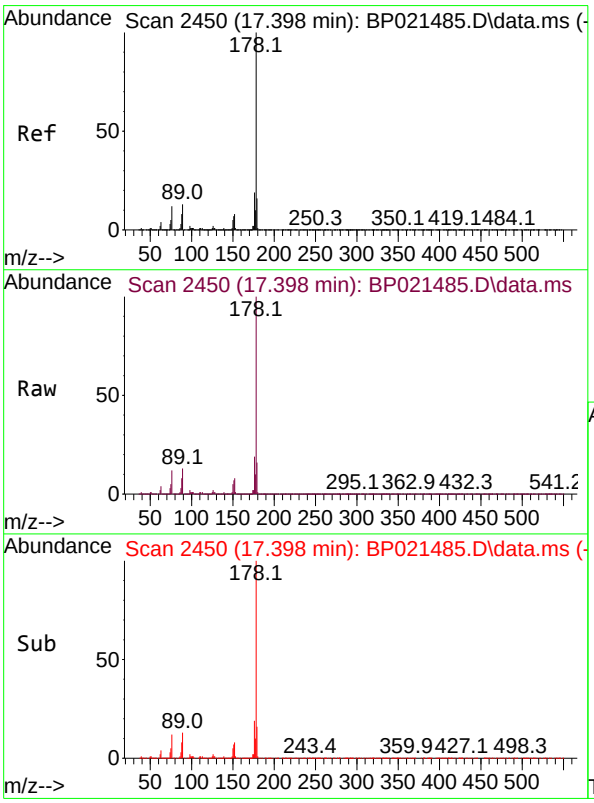
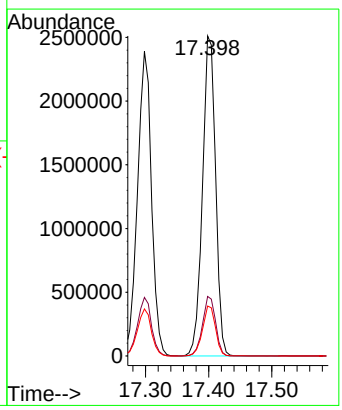
Supervised By :mohammad ahmed 08/14/2024

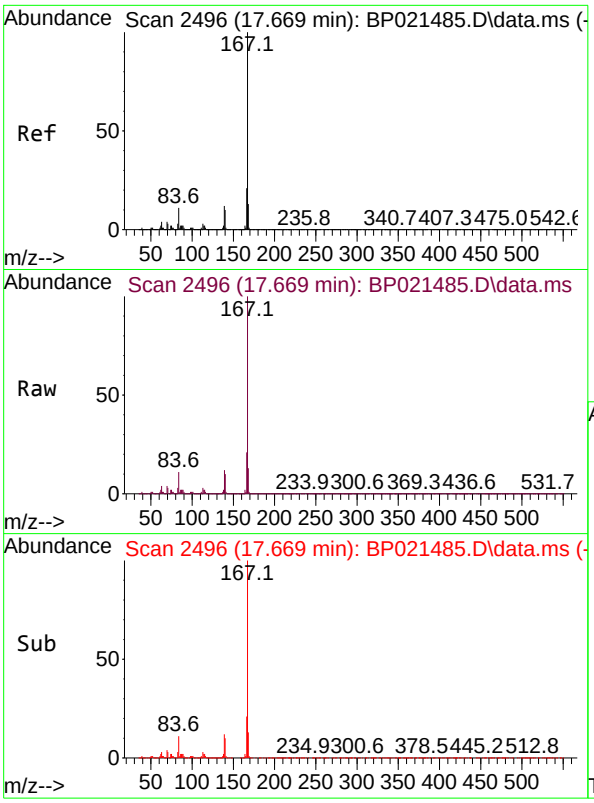


#72
Anthracene
Concen: 40.283 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 3619950

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

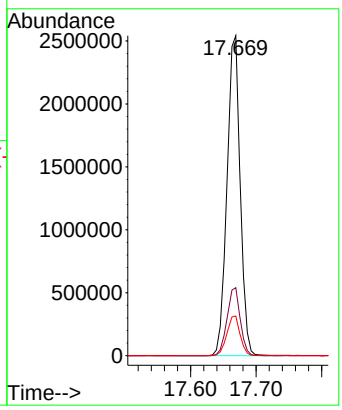




#73
Carbazole
Concen: 40.912 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:167 Resp: 354308

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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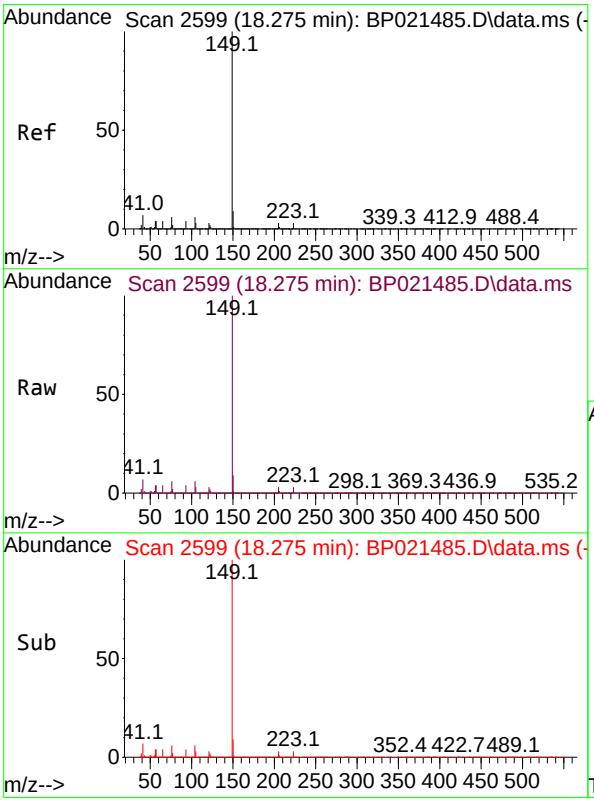
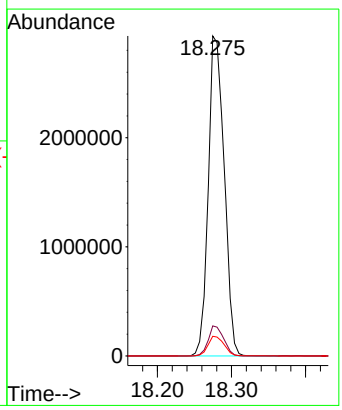
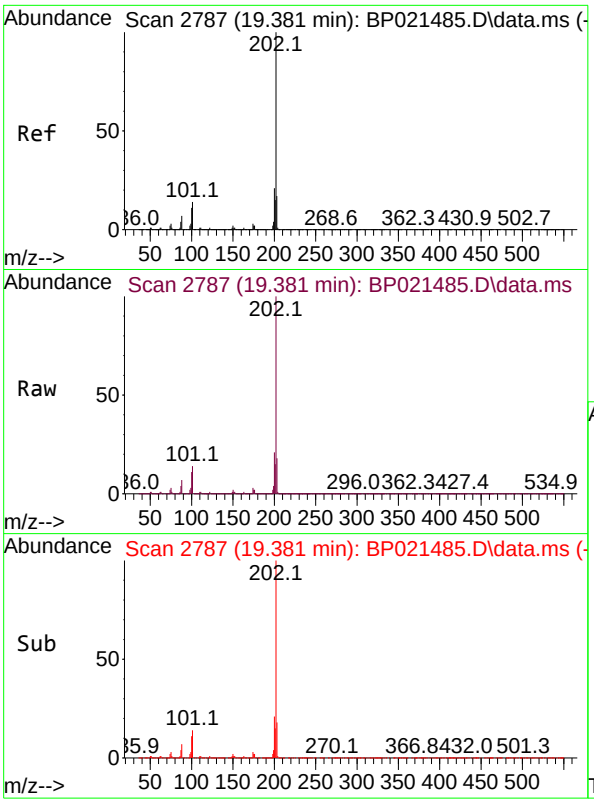


#74
Di-n-butylphthalate
Concen: 41.170 ng
RT: 18.275 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 4378720

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.1	4.9	7.3

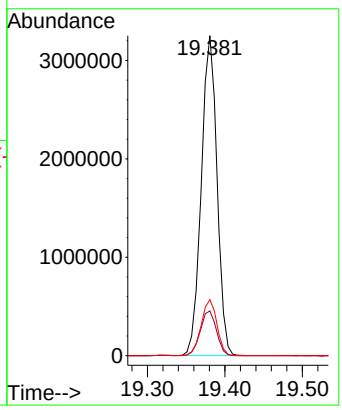




#75
Fluoranthene
Concen: 40.674 ng
RT: 19.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 457288

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.5	0.0	37.5



Instrument :
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ClientSampleId :
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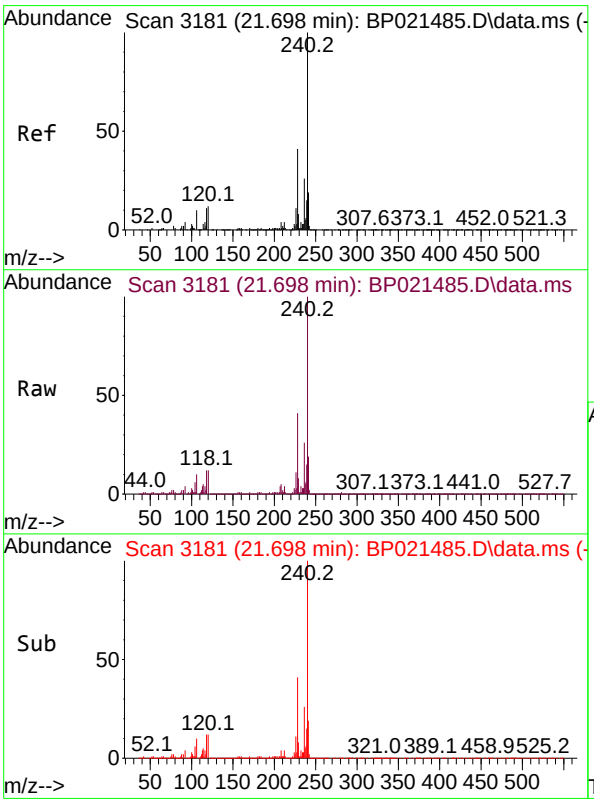
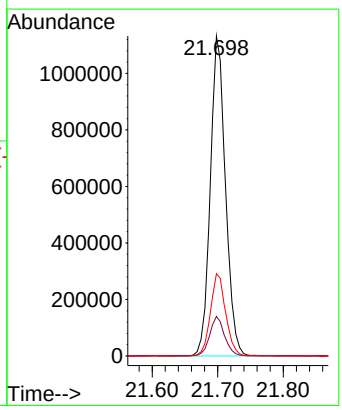
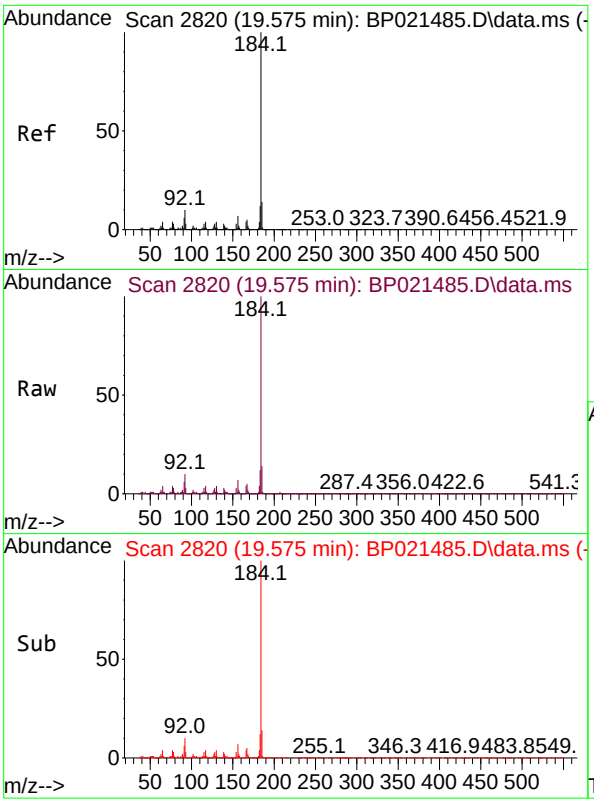


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:240 Resp: 1820074

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	25.7	20.6	30.8

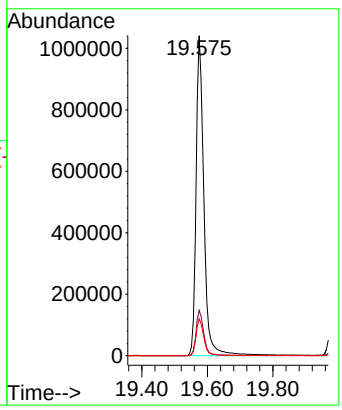




#77
Benzidine
Concen: 41.023 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 173510

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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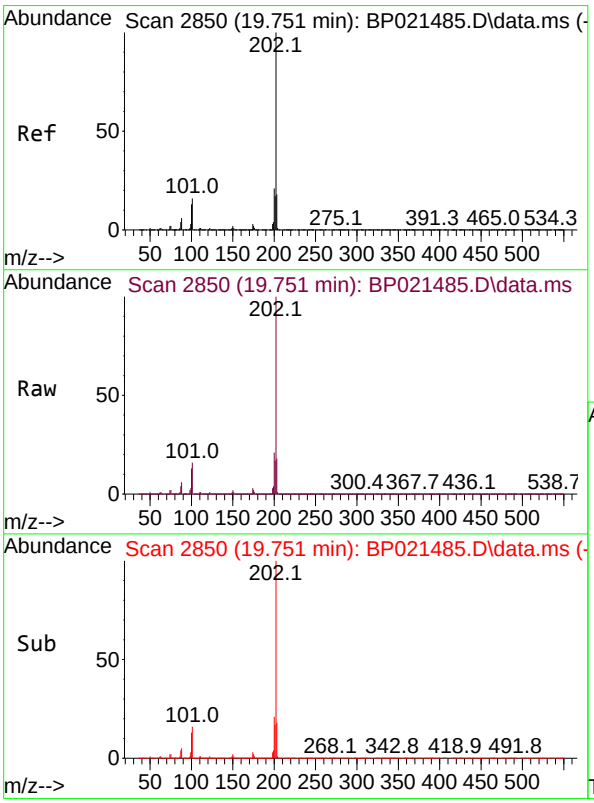
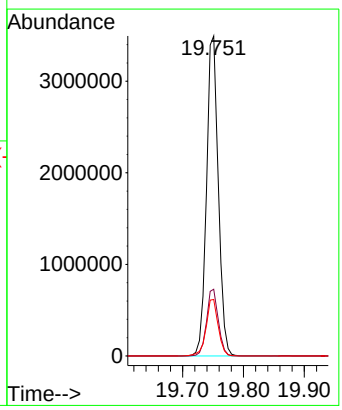
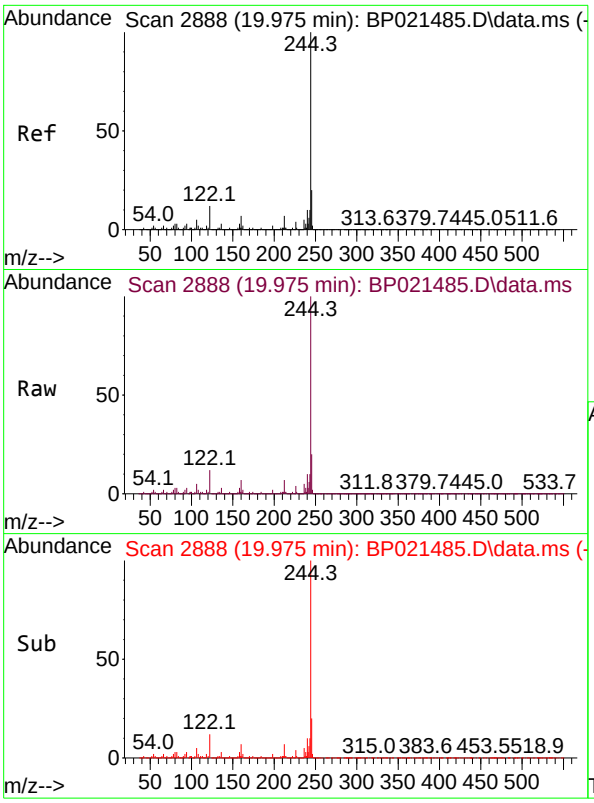


#78
Pyrene
Concen: 39.461 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 4694393

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

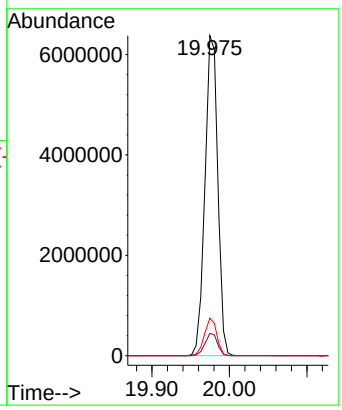




#79
Terphenyl-d14
Concen: 78.155 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:244 Resp: 732205

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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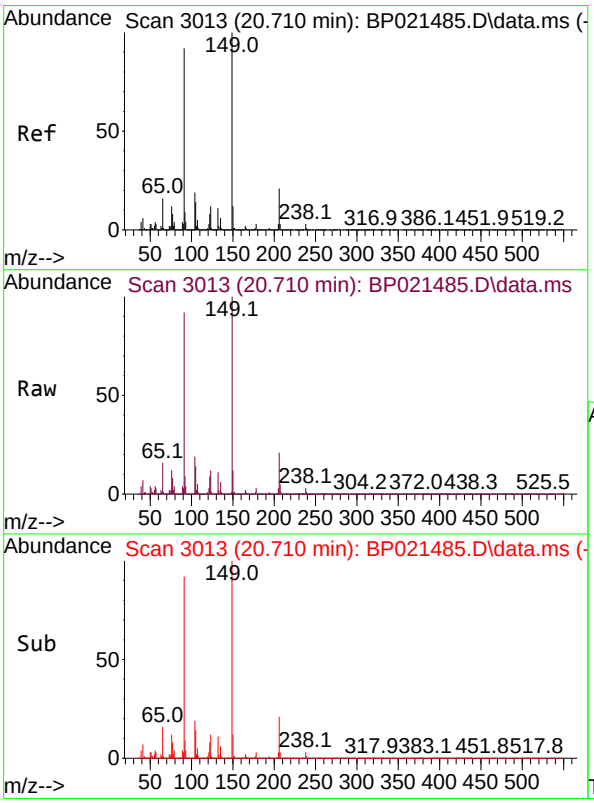
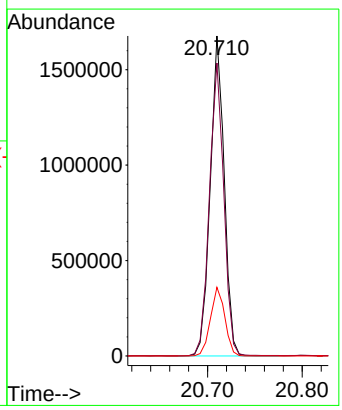
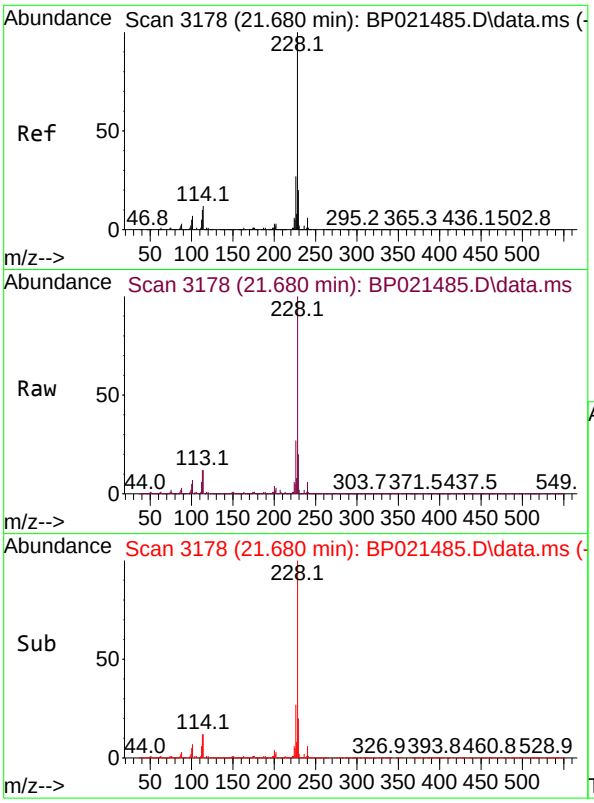


#80
Butylbenzylphthalate
Concen: 38.676 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 1712106

Ion	Ratio	Lower	Upper
149	100		
91	91.6	73.3	109.9
206	21.4	17.1	25.7

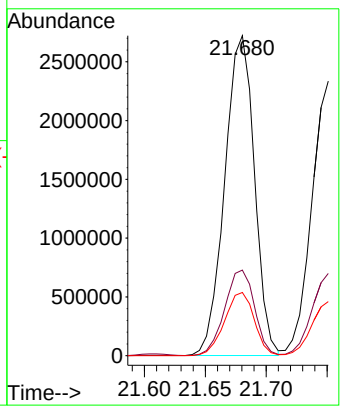




#81
Benzo(a)anthracene
Concen: 40.395 ng
RT: 21.680 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 461538

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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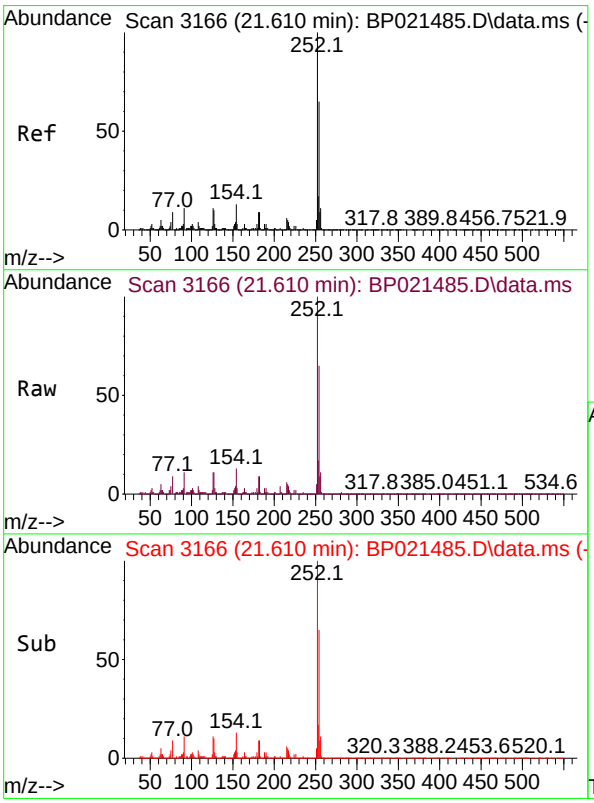
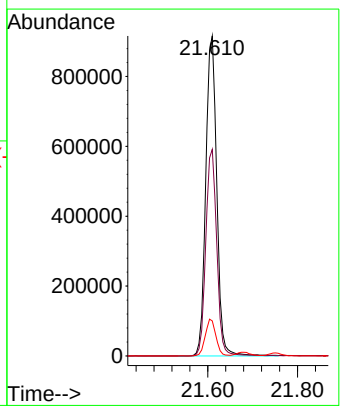
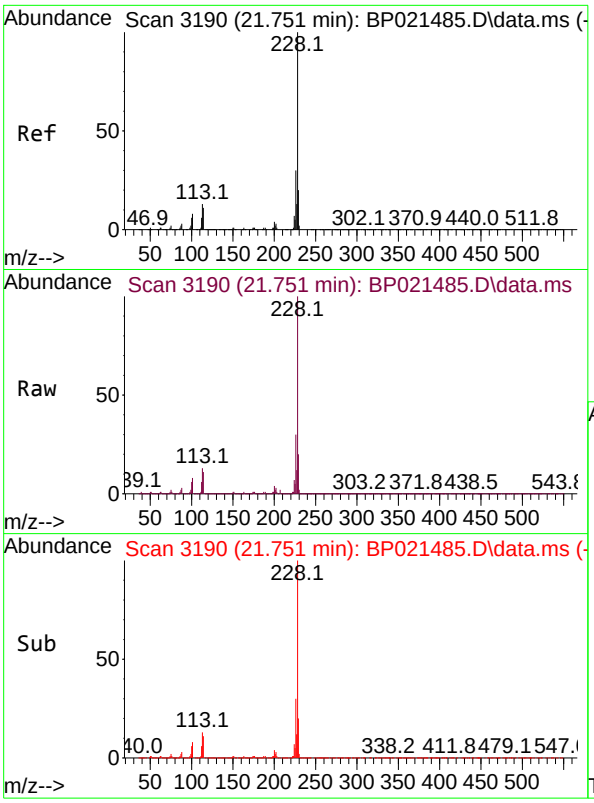


#82
3,3'-Dichlorobenzidine
Concen: 42.572 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 1559563

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	10.9	8.7	13.1

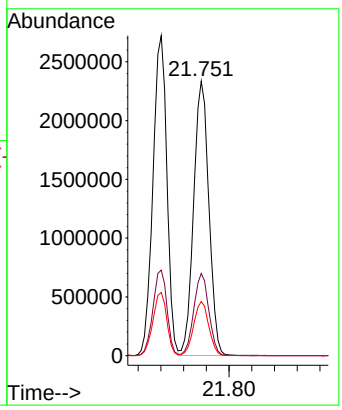




#83
Chrysene
Concen: 40.405 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 435869

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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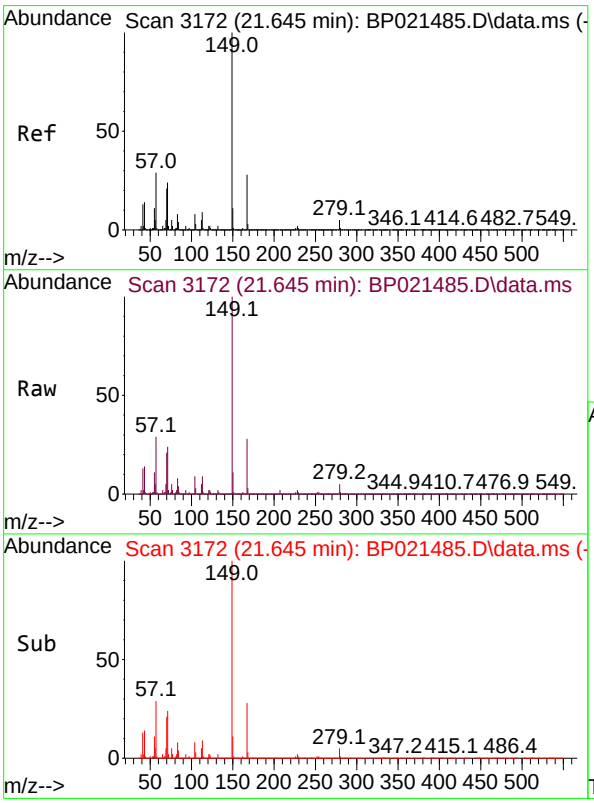
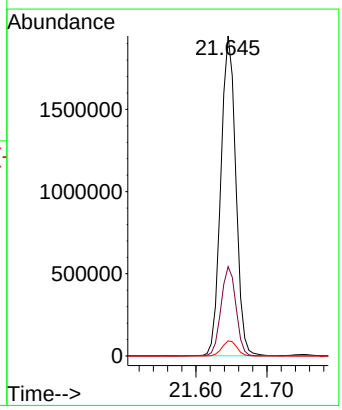
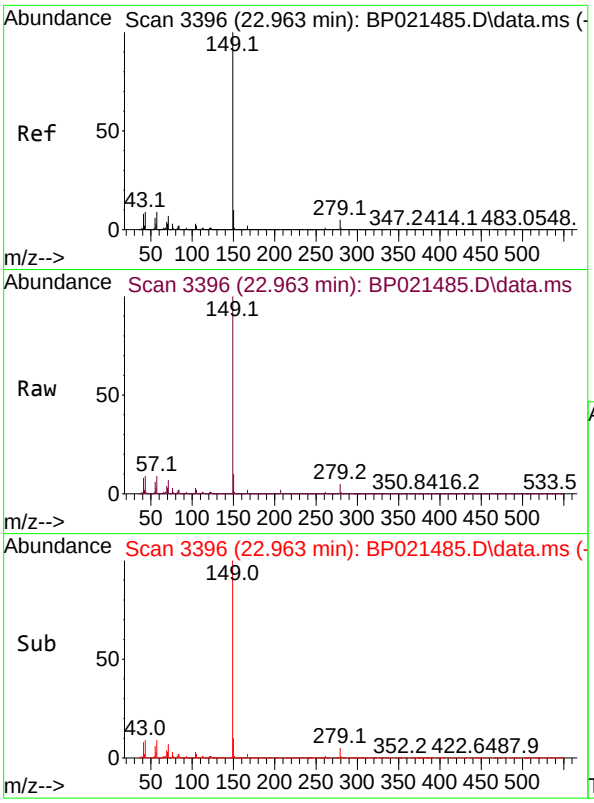


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.082 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2841806

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 39.238 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 453821

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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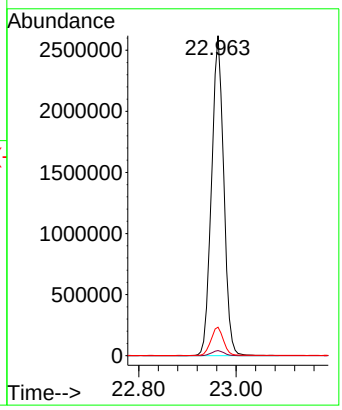
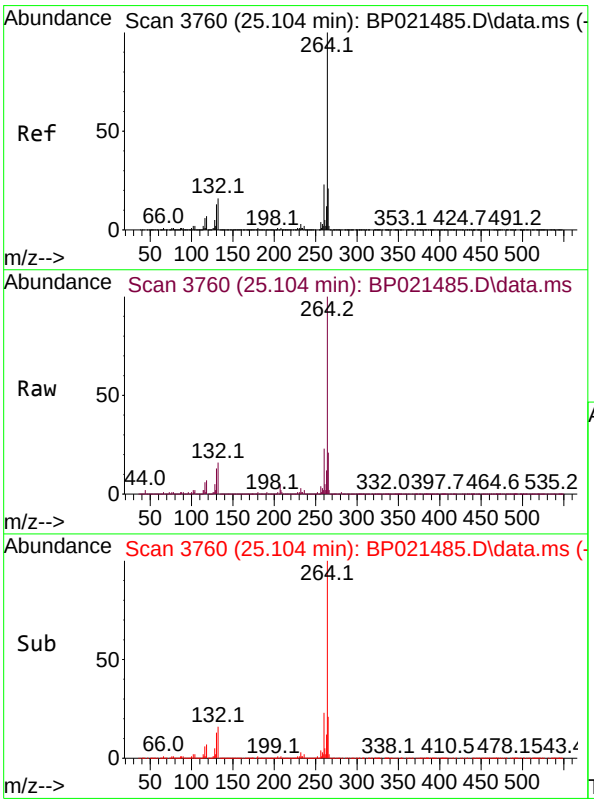
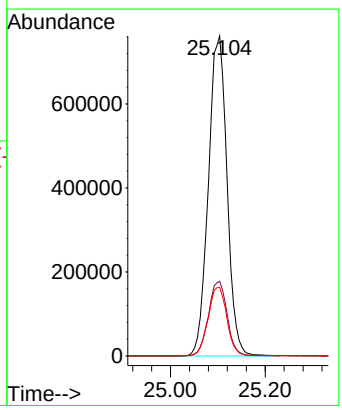


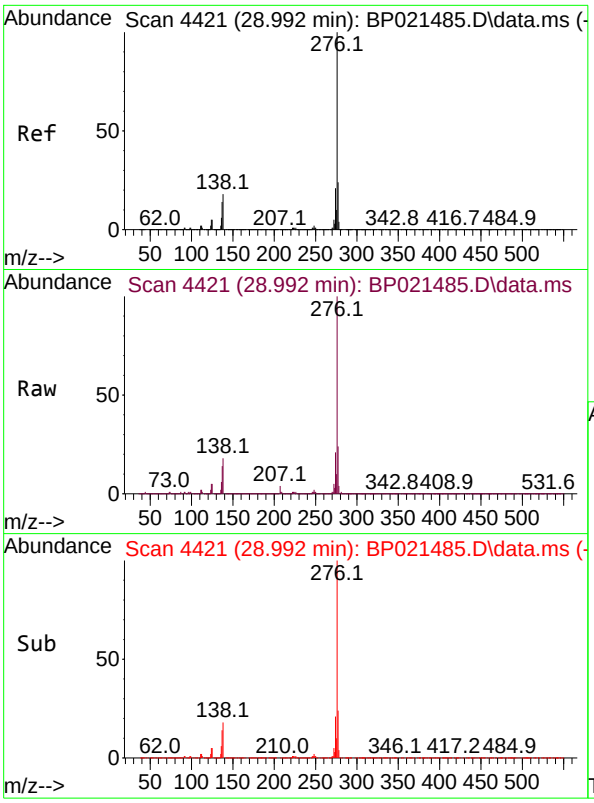


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.104 min Scan# 3760
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:264 Resp: 2085332

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.4	17.1	25.7

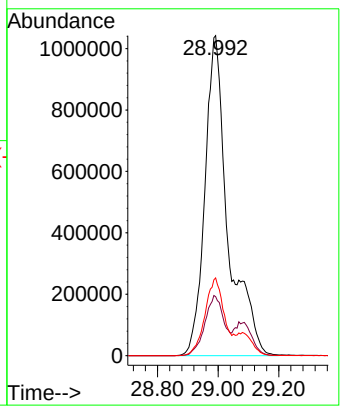




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.941 ng m
RT: 28.992 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 553354

Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
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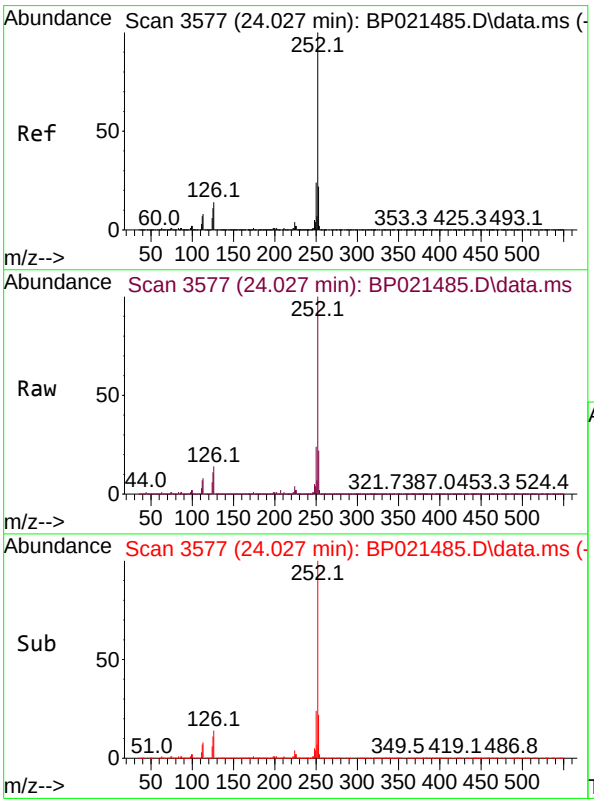
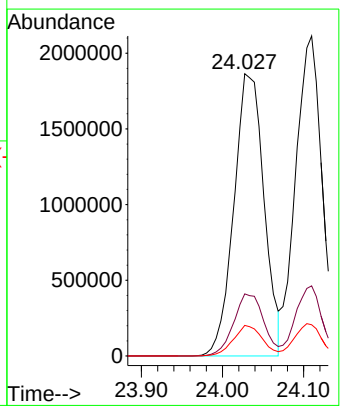
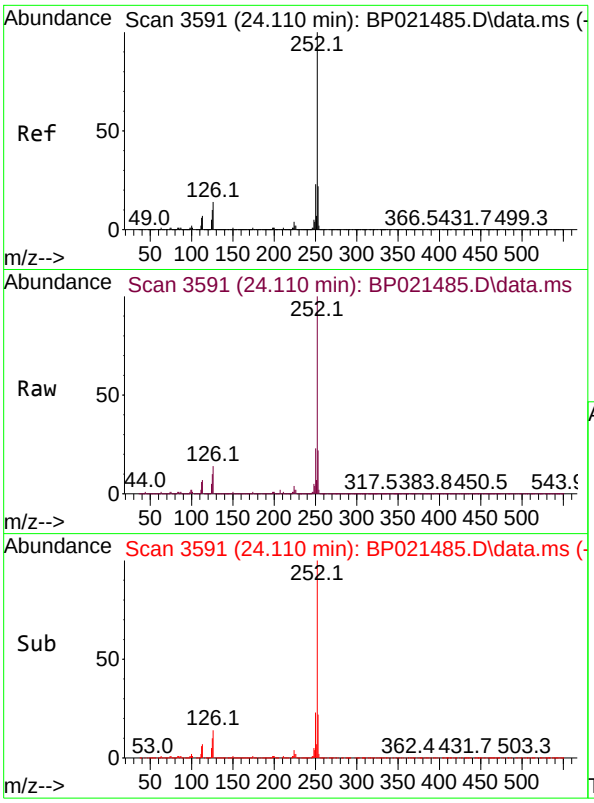


#88
Benzo(b)fluoranthene
Concen: 40.211 ng
RT: 24.027 min Scan# 3577
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4815875

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.8	8.6	13.0

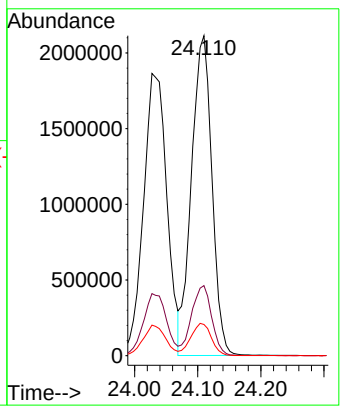




#89
Benzo(k)fluoranthene
Concen: 40.717 ng
RT: 24.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 475700

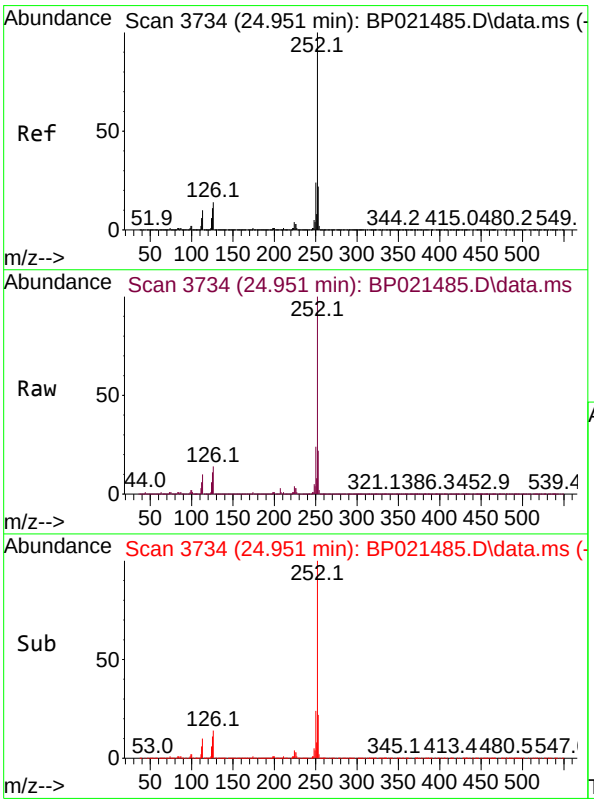
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.8	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

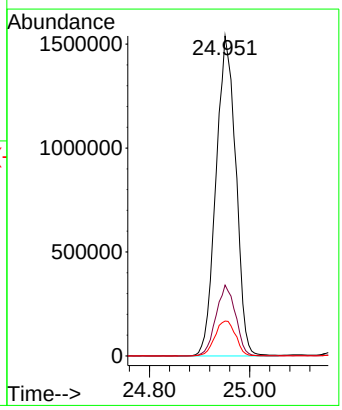
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

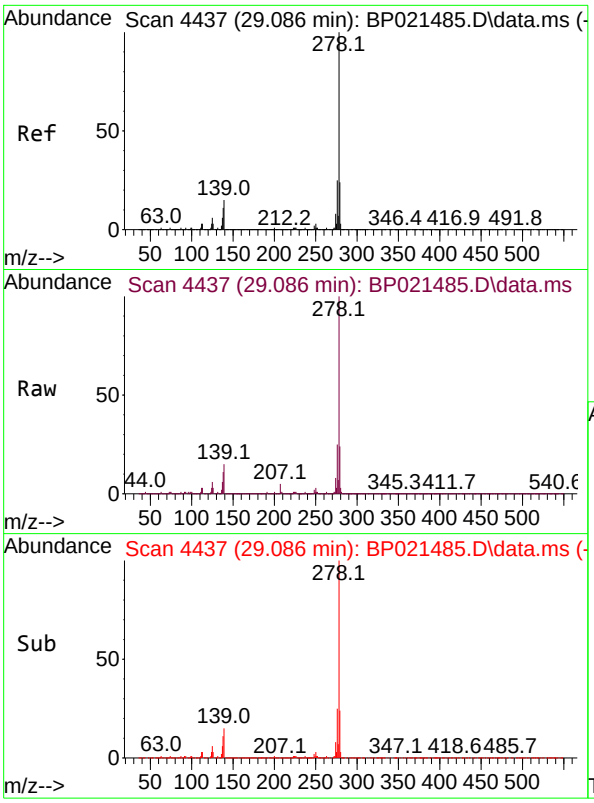


#90
Benzo(a)pyrene
Concen: 40.616 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4221348

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	8.7	13.1

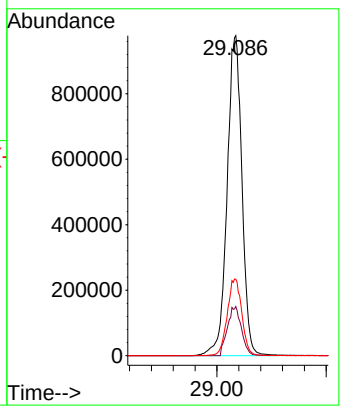




#91
Dibenzo(a,h)anthracene
Concen: 40.908 ng
RT: 29.086 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:278 Resp: 459455

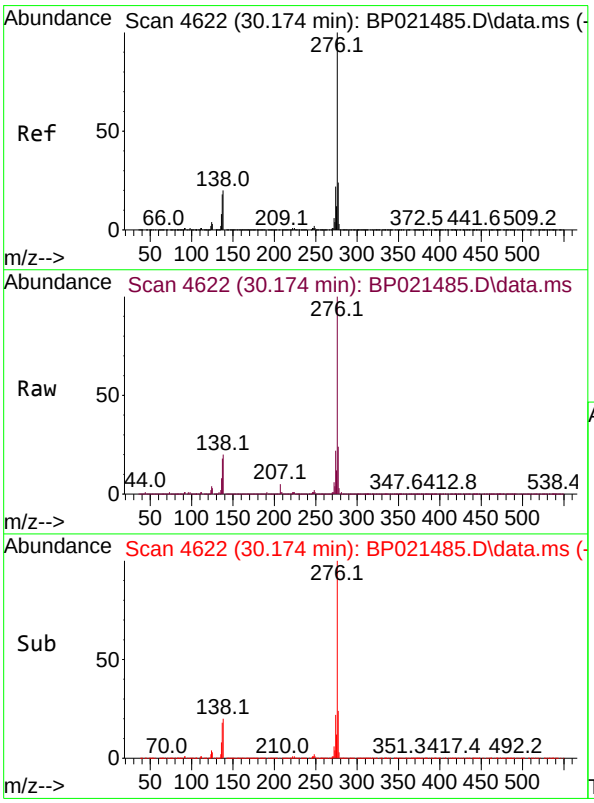
Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.2	18.4
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

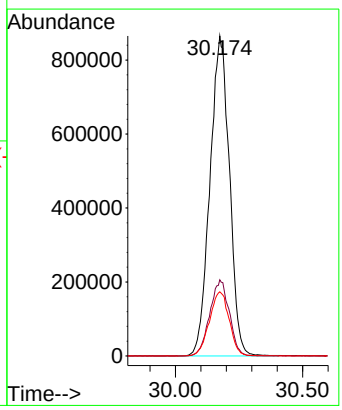
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 40.824 ng
RT: 30.174 min Scan# 4622
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 4595577

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.0	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	410033	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1728756	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	1119203	20.000	ng	-0.01
64) Phenanthrene-d10	17.257	188	2278560	20.000	ng	0.00
76) Chrysene-d12	21.710	240	2093381	20.000	ng	0.01
86) Perylene-d12	25.121	264	2377136	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2713912	98.280	ng	0.00
7) Phenol-d6	6.964	99	4004371	99.407	ng	0.00
23) Nitrobenzene-d5	8.958	82	3559213	106.266	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1295133	103.974	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	7073510	96.455	ng	0.00
79) Terphenyl-d14	19.981	244	10188627	94.554	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	614292	46.916	ng	99
3) Pyridine	3.705	79	1785033m	48.836	ng	
4) n-Nitrosodimethylamine	3.617	42	529008	48.151	ng	99
6) Aniline	7.134	93	1973018	48.993	ng	100
8) 2-Chlorophenol	7.369	128	1266906	49.646	ng	98
9) Benzaldehyde	6.946	77	1099572	42.632	ng	99
10) Phenol	6.987	94	2070173	49.628	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	1722098	48.789	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1457386	48.079	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1470548	48.044	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1411170	47.842	ng	99
15) Benzyl Alcohol	8.034	79	1452516	50.255	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1588042	48.854	ng	99
17) 2-Methylphenol	8.234	107	1308851	49.632	ng	99
18) Hexachloroethane	8.887	117	601480	49.004	ng	97
19) n-Nitroso-di-n-propyla...	8.611	70	1340426	48.171	ng	99
20) 3+4-Methylphenols	8.564	107	1777289	49.982	ng	98
22) Acetophenone	8.616	105	2552368	48.058	ng	99
24) Nitrobenzene	8.999	77	1881606	51.725	ng	98
25) Isophorone	9.522	82	3789274	47.889	ng	99
26) 2-Nitrophenol	9.705	139	464597	49.970	ng	98
27) 2,4-Dimethylphenol	9.763	122	956577	48.987	ng	98
28) bis(2-Chloroethoxy)met...	10.005	93	2342749	48.504	ng	100
29) 2,4-Dichlorophenol	10.234	162	1189252	51.545	ng	98
30) 1,2,4-Trichlorobenzene	10.458	180	1428575	48.296	ng	99
31) Naphthalene	10.646	128	4330348	47.949	ng	100
32) Benzoic acid	9.899	122	652668	50.213	ng	99
33) 4-Chloroaniline	10.746	127	1640026	48.345	ng	99
34) Hexachlorobutadiene	10.946	225	906501	48.672	ng	100
35) Caprolactam	11.510	113	469071	48.850	ng	98
36) 4-Chloro-3-methylphenol	11.863	107	1600490	50.008	ng	99
37) 2-Methylnaphthalene	12.263	142	2950679	47.872	ng	100
38) 1-Methylnaphthalene	12.481	142	2908087	47.838	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1617735	49.332	ng	100
41) Hexachlorocyclopentadiene	12.616	237	546269	52.560	ng	99
43) 2,4,6-Trichlorophenol	12.863	196	949480	52.124	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1056277	52.191	ng	98
46) 1,1'-Biphenyl	13.275	154	3811862	48.139	ng	100
47) 2-Chloronaphthalene	13.310	162	2979553	48.332	ng	98
48) 2-Nitroaniline	13.504	65	821676	47.603	ng	98
49) Acenaphthylene	14.169	152	4367223	48.190	ng	100
50) Dimethylphthalate	13.910	163	3569162	47.620	ng	99
51) 2,6-Dinitrotoluene	14.010	165	731267	48.330	ng	99
52) Acenaphthene	14.516	154	2861701	48.126	ng	100
53) 3-Nitroaniline	14.340	138	710103	47.788	ng	97
54) 2,4-Dinitrophenol	14.551	184	205628	49.369	ng	97
55) Dibenzofuran	14.857	168	4373407	47.811	ng	100
56) 4-Nitrophenol	14.646	139	562138	47.429	ng	96
57) 2,4-Dinitrotoluene	14.810	165	918371	47.777	ng	98
58) Fluorene	15.522	166	3525015	46.908	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	885682	51.558	ng	99
60) Diethylphthalate	15.304	149	3687157	47.945	ng	99
61) 4-Chlorophenyl-phenyle...	15.516	204	1836235	47.272	ng	97
62) 4-Nitroaniline	15.522	138	733231	47.987	ng	94
63) Azobenzene	15.810	77	4349860	46.014	ng	99
65) 4,6-Dinitro-2-methylph...	15.587	198	342052	49.749	ng	98
66) n-Nitrosodiphenylamine	15.734	169	2980276	48.807	ng	100
67) 4-Bromophenyl-phenylether	16.434	248	1198687	49.707	ng	98
68) Hexachlorobenzene	16.545	284	1395323	48.961	ng	99
69) Atrazine	16.716	200	1019051	48.608	ng	98
70) Pentachlorophenol	16.892	266	812046	52.206	ng	99
71) Phenanthrene	17.304	178	5308898	48.447	ng	100
72) Anthracene	17.392	178	5212543	48.503	ng	100
73) Carbazole	17.669	167	4974161	48.027	ng	99
74) Di-n-butylphthalate	18.287	149	6454560	50.745	ng	100
75) Fluoranthene	19.386	202	6476130	48.166	ng	99
77) Benzidine	19.575	184	2493655	52.808	ng	100
78) Pyrene	19.757	202	6603640	48.263	ng	99
80) Butylbenzylphthalate	20.710	149	2559896	49.198	ng	98
81) Benzo(a)anthracene	21.686	228	6405297	48.741	ng	99
82) 3,3'-Dichlorobenzidine	21.610	252	2191535	52.013	ng	99
83) Chrysene	21.763	228	6024463	48.555	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	4205342	54.143	ng	100
85) Di-n-octyl phthalate	22.969	149	6722548	49.144	ng	100
87) Indeno(1,2,3-cd)pyrene	29.004	276	7707464m	50.025	ng	
88) Benzo(b)fluoranthene	24.039	252	6647186	48.689	ng	100
89) Benzo(k)fluoranthene	24.116	252	6552987	49.204	ng	99
90) Benzo(a)pyrene	24.957	252	5918922	49.959	ng	99
91) Dibenzo(a,h)anthracene	29.092	278	6420896	50.151	ng	99
92) Benzo(g,h,i)perylene	30.221	276	6383870	49.748	ng	99

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

ICAL Form

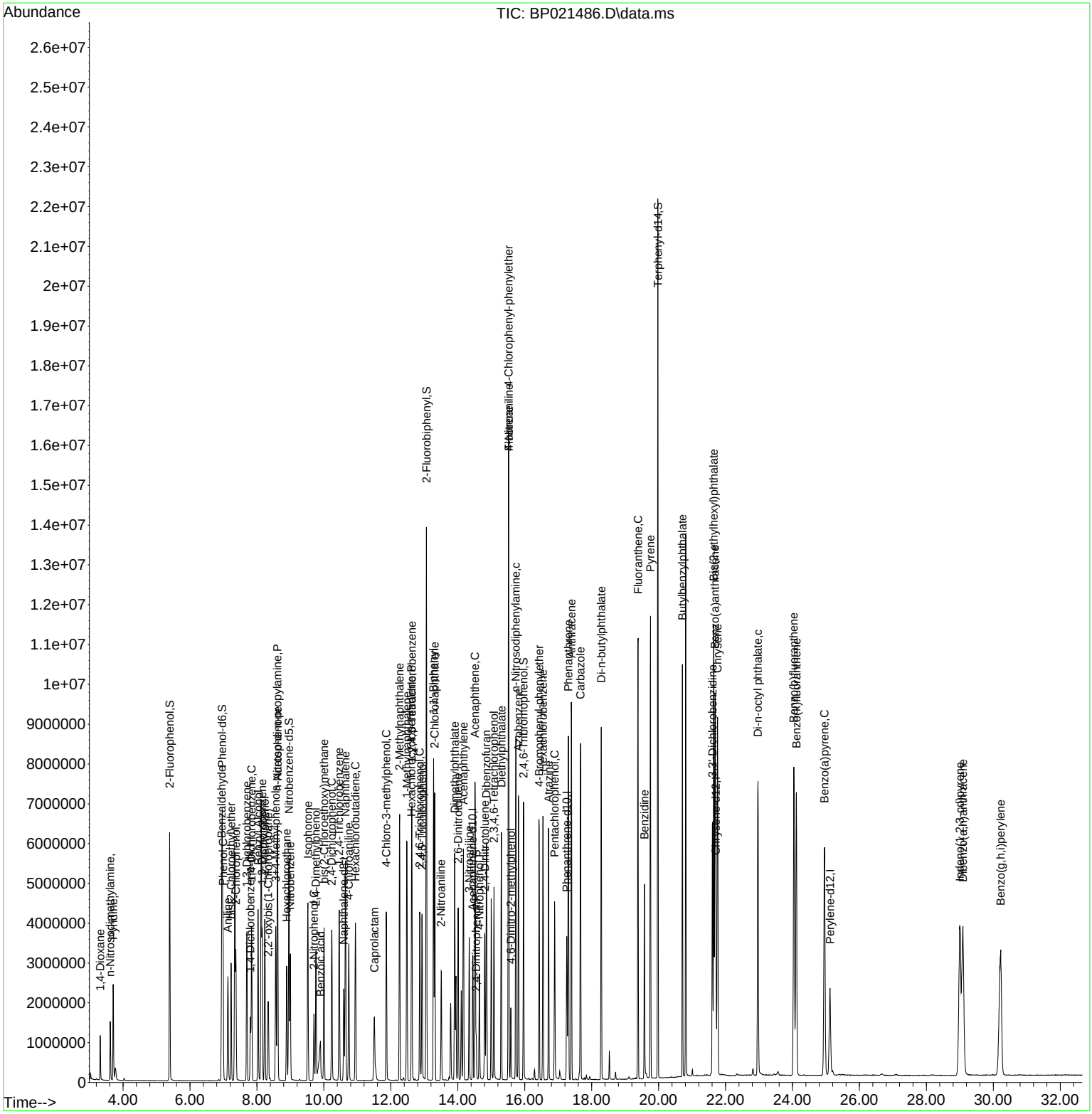
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

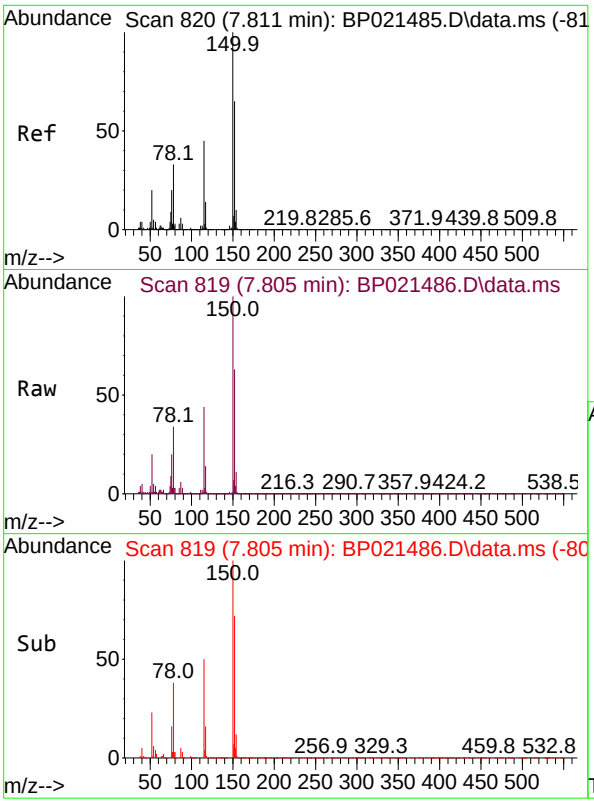
Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

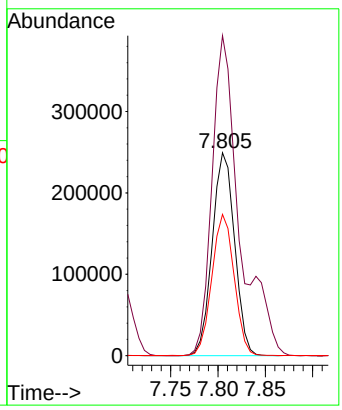




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:152 Resp: 41003

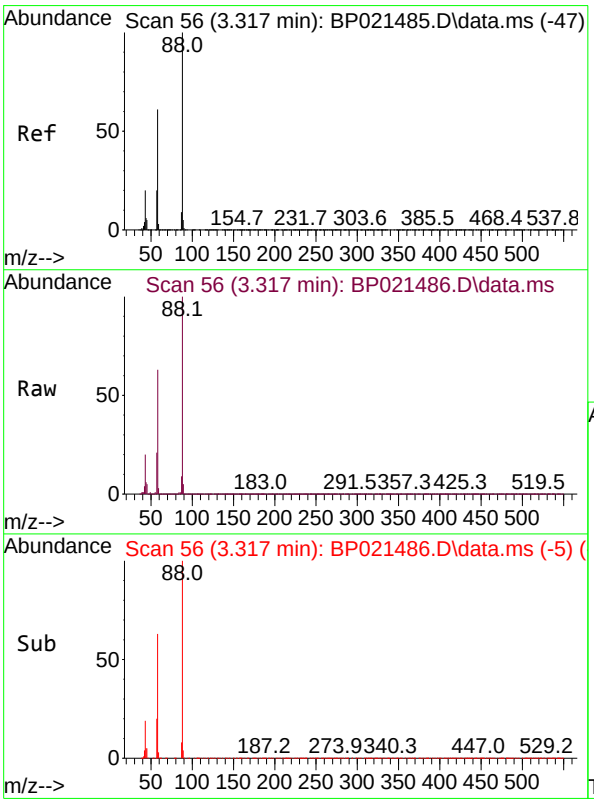
Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.4	183.6
115	69.6	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

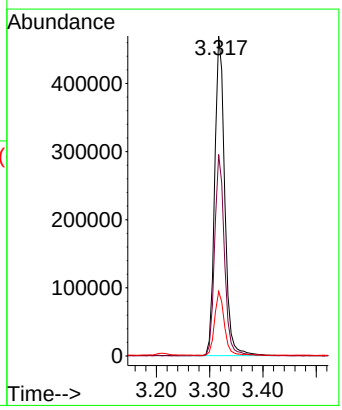
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

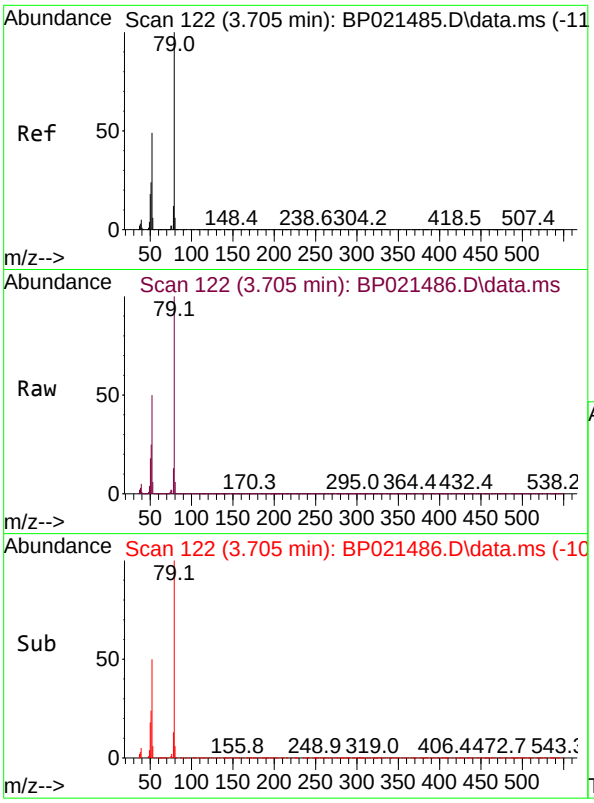


#2
1,4-Dioxane
Concen: 46.916 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 88 Resp: 614292

Ion	Ratio	Lower	Upper
88	100		
58	61.9	48.7	73.1
43	19.4	15.4	23.2

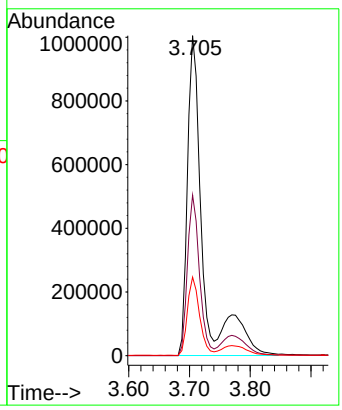




#3
Pyridine
Concen: 48.836 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 178503

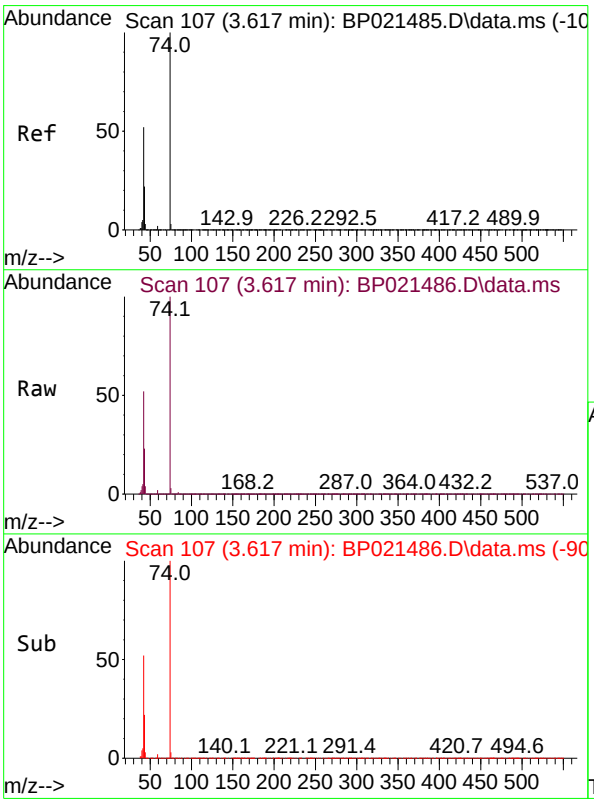
Ion	Ratio	Lower	Upper
79	100		
52	50.2	39.0	58.6
51	24.5	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

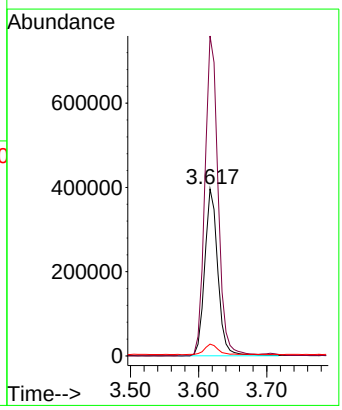
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

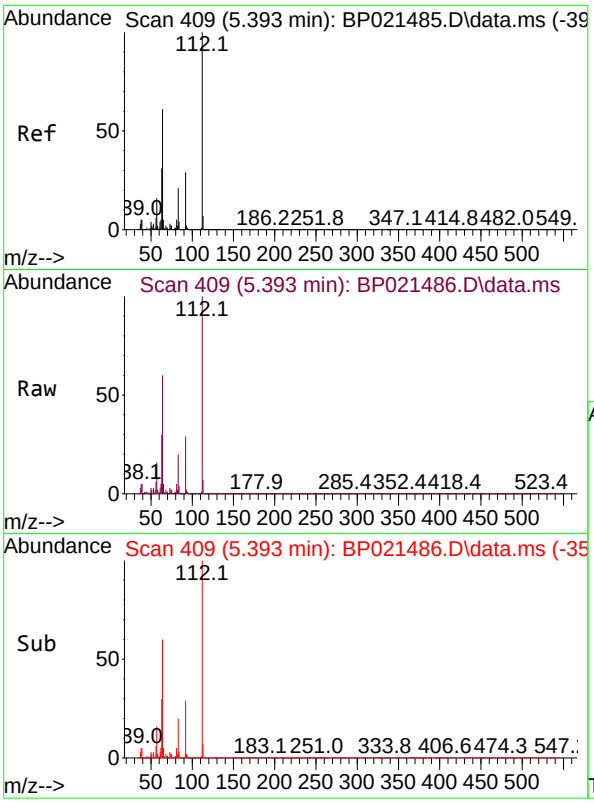


#4
n-Nitrosodimethylamine
Concen: 48.151 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 42 Resp: 529008

Ion	Ratio	Lower	Upper
42	100		
74	191.6	154.3	231.5
44	7.1	6.2	9.4





#5
2-Fluorophenol
Concen: 98.280 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

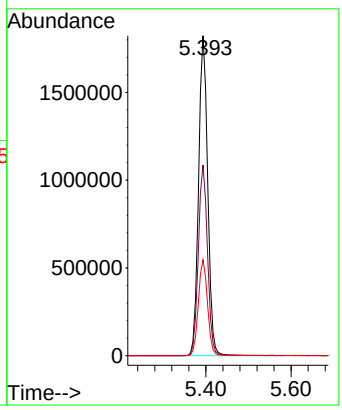
Tgt Ion:112 Resp: 271391

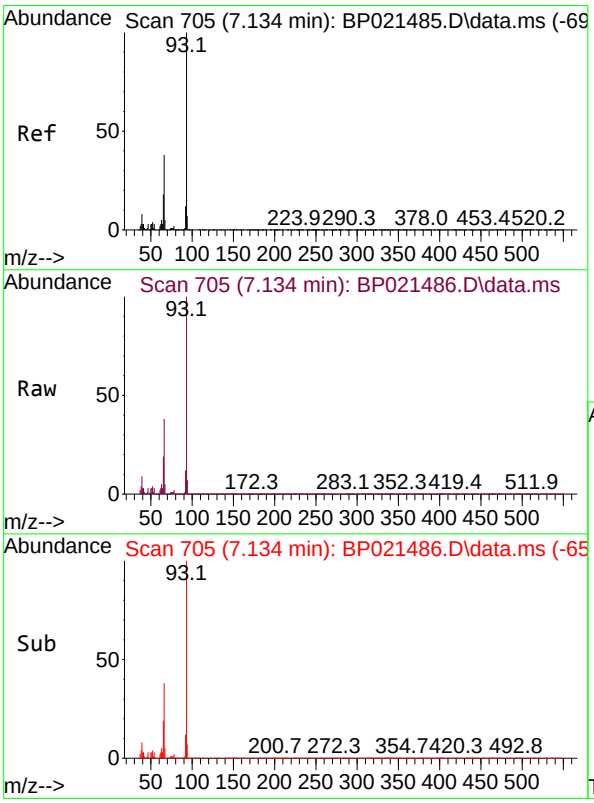
Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

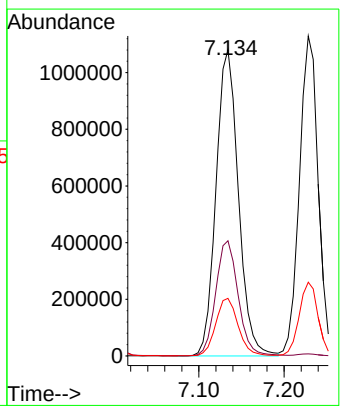


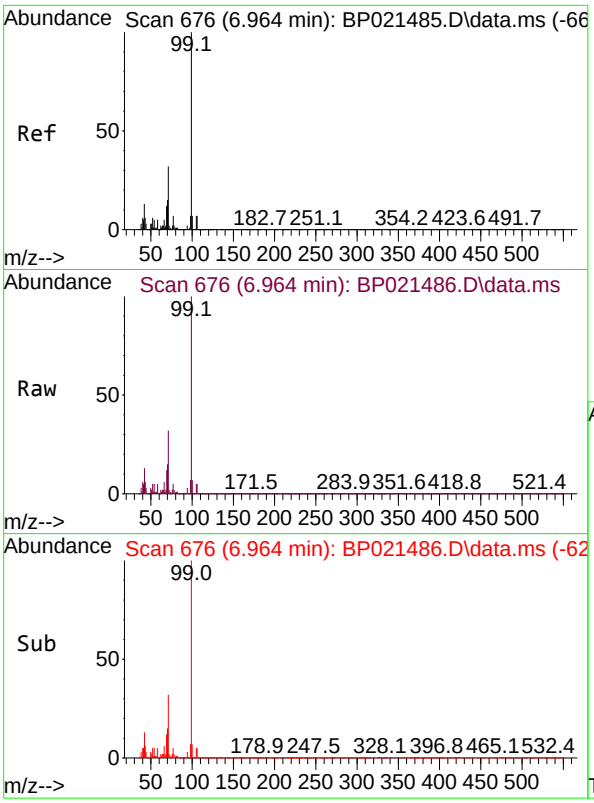


#6
Aniline
Concen: 48.993 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 1973018

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	18.8	14.7	22.1

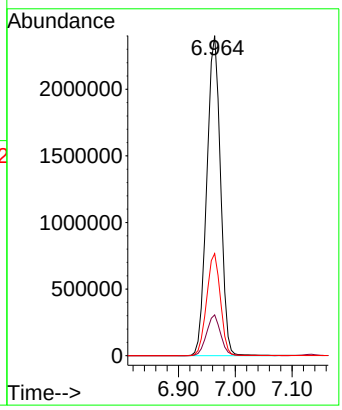




#7
Phenol-d6
Concen: 99.407 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 99 Resp: 400437

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	31.9	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
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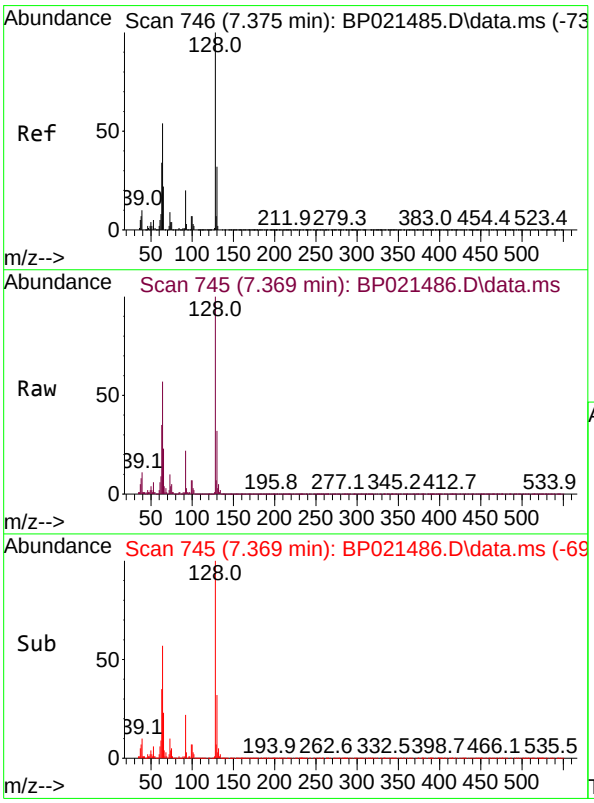
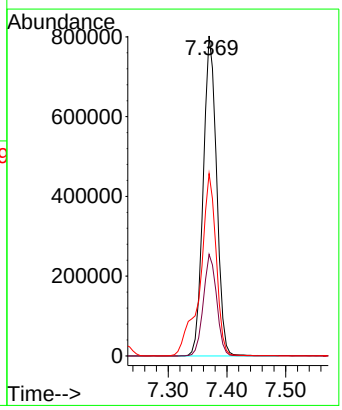
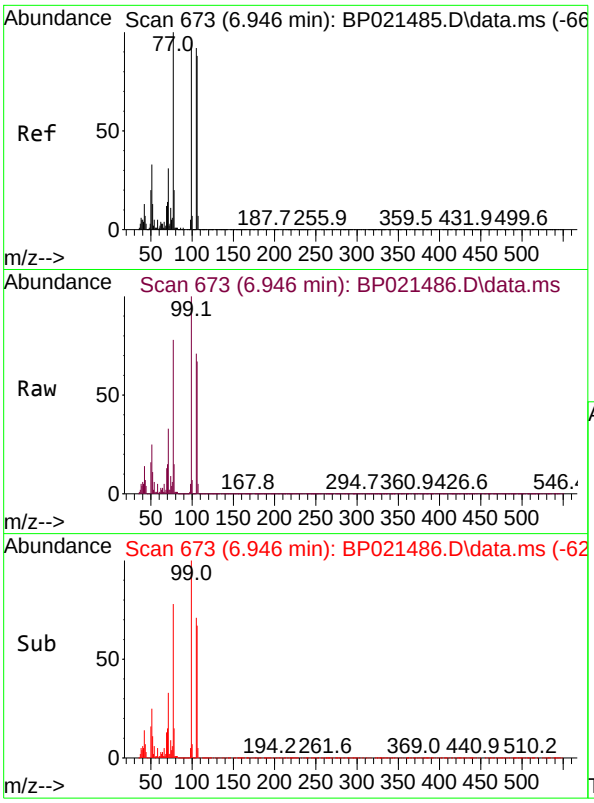


#8
2-Chlorophenol
Concen: 49.646 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:128 Resp: 1266906

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.6	51.6
64	57.0	35.3	75.3

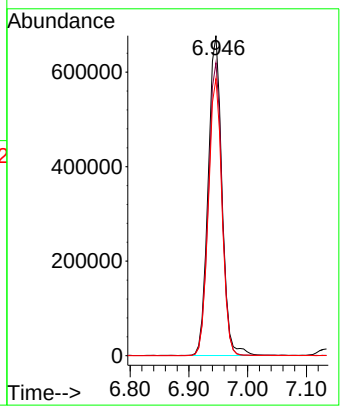




#9
Benzaldehyde
Concen: 42.632 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 109957

Ion	Ratio	Lower	Upper
77	100		
105	91.6	72.1	112.1
106	86.6	67.9	107.9



Instrument :
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ClientSampleId :
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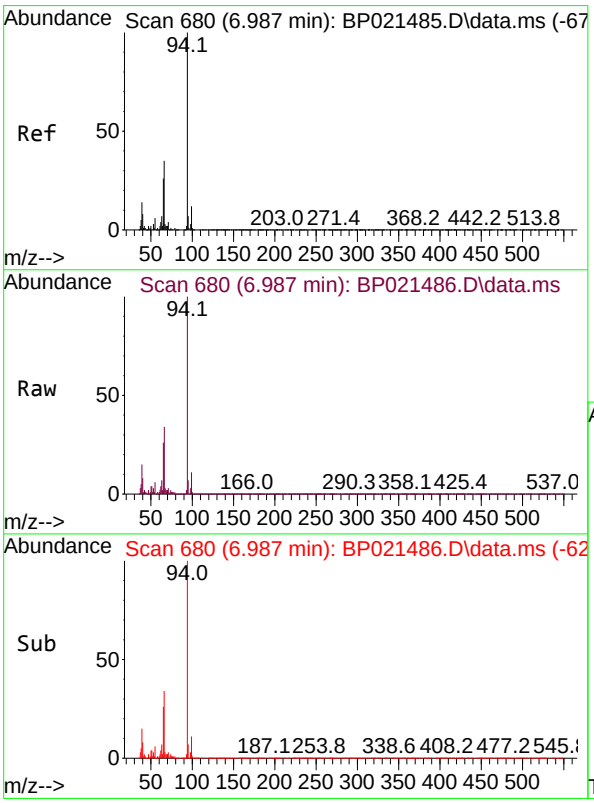
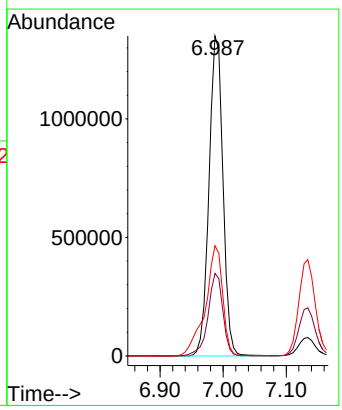
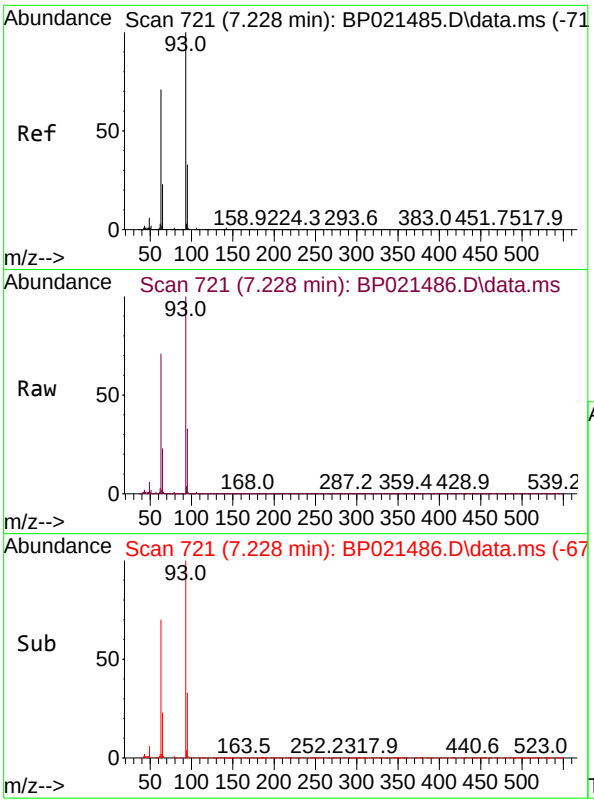


#10
Phenol
Concen: 49.628 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 94 Resp: 2070173

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	34.5	14.7	54.7

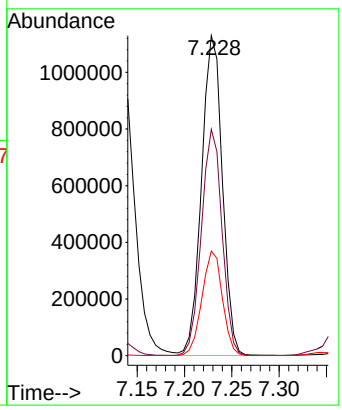




#11
bis(2-Chloroethyl)ether
Concen: 48.789 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 172209

Ion	Ratio	Lower	Upper
93	100		
63	70.8	51.0	91.0
95	32.7	12.9	52.9



Instrument :
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ClientSampleId :
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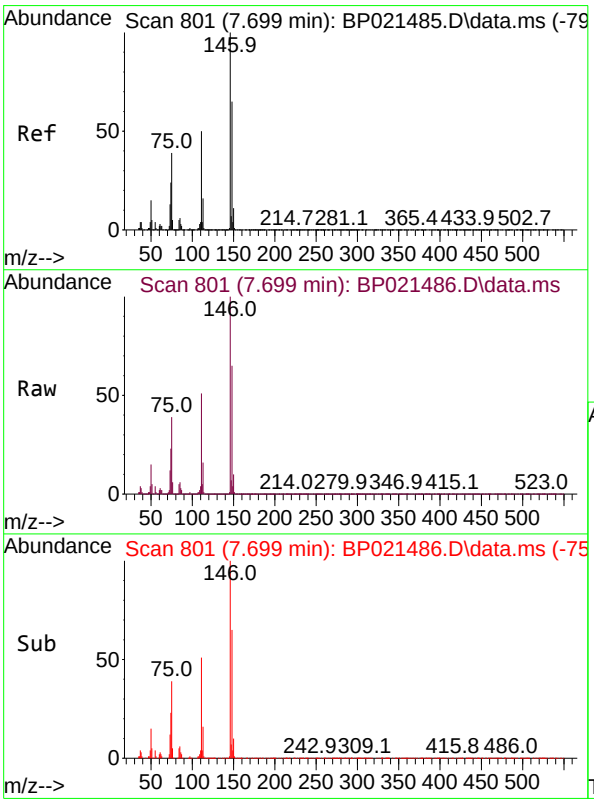
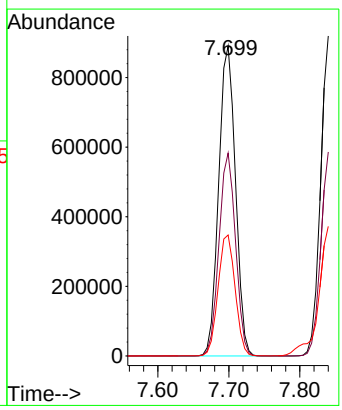
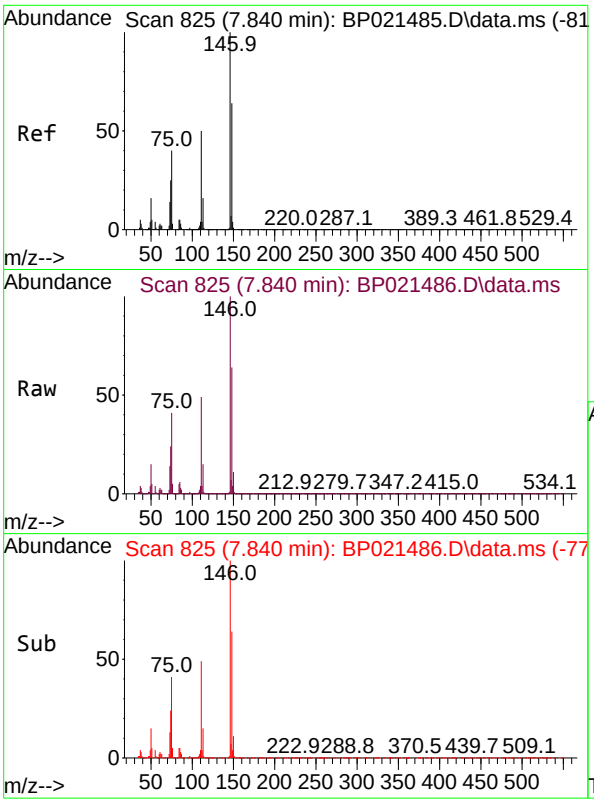


#12
1,3-Dichlorobenzene
Concen: 48.079 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1457386

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
75	39.0	31.3	46.9

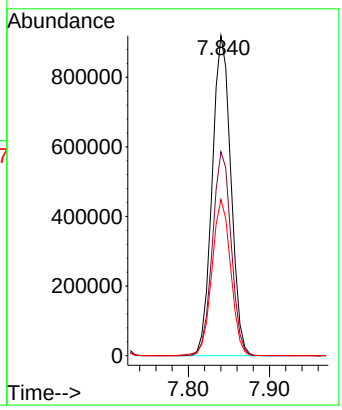




#13
1,4-Dichlorobenzene
Concen: 48.044 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 147054

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	48.8	40.3	60.5



Instrument :
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ClientSampleId :
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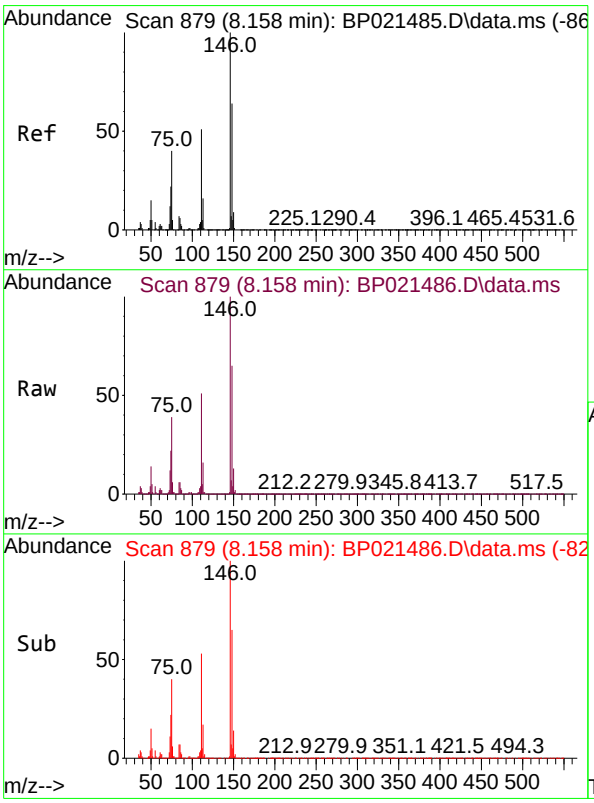
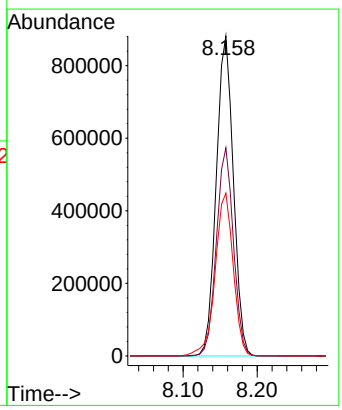
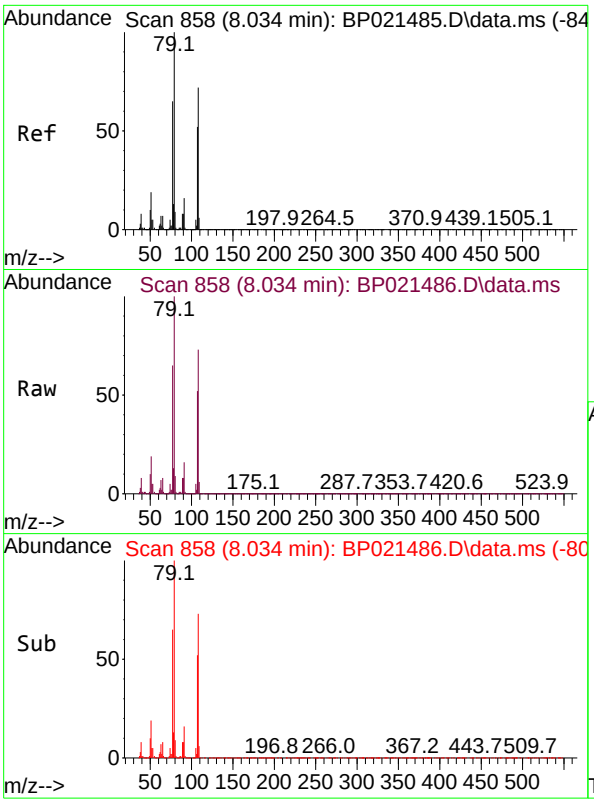


#14
1,2-Dichlorobenzene
Concen: 47.842 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1411170

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 50.255 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 145251

Ion	Ratio	Lower	Upper
79	100		
108	73.0	57.9	86.9
77	65.1	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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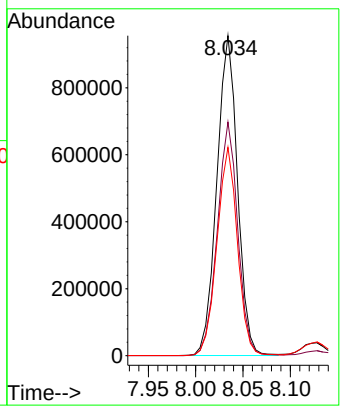
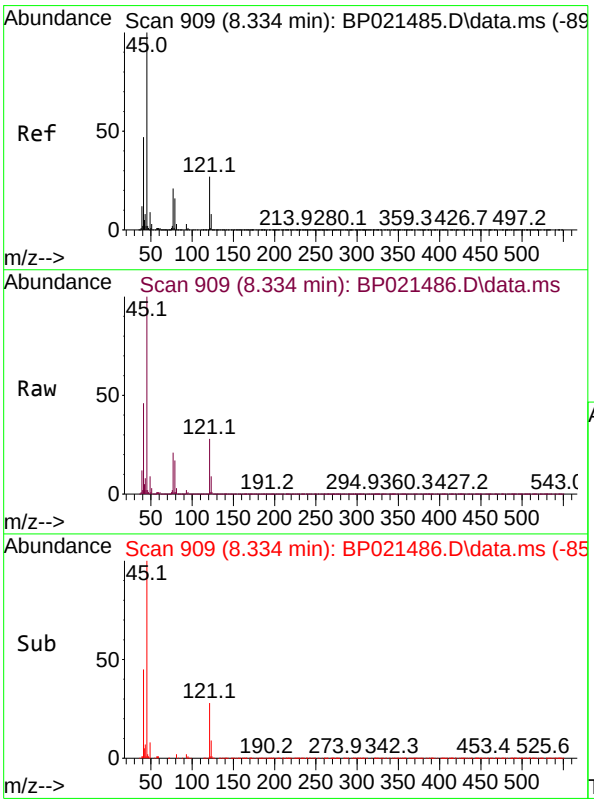
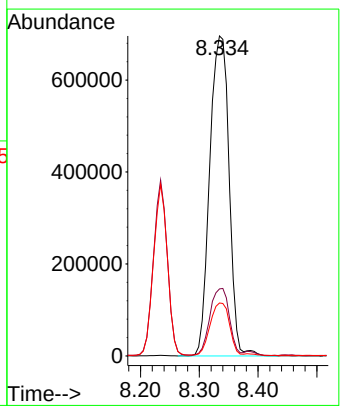


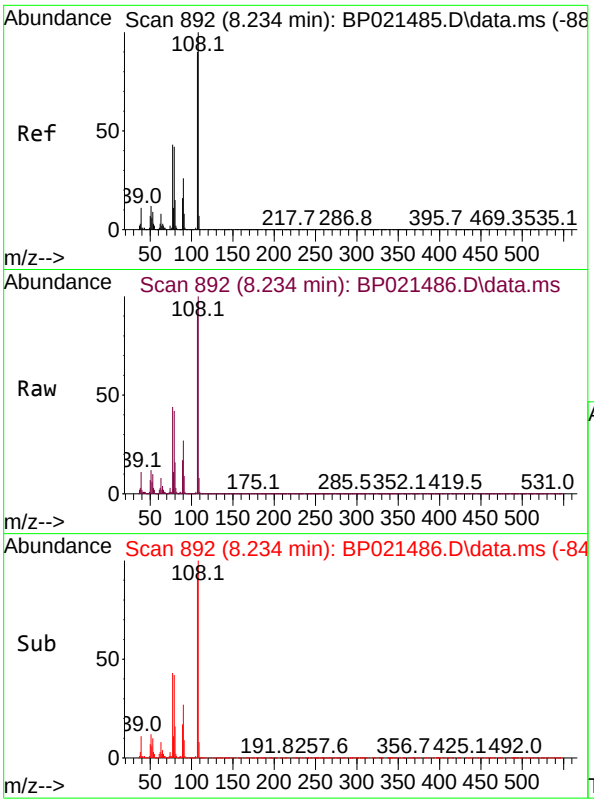


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.854 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 45 Resp: 1588042

Ion	Ratio	Lower	Upper
45	100		
77	21.0	1.9	41.9
79	16.5	0.0	36.6

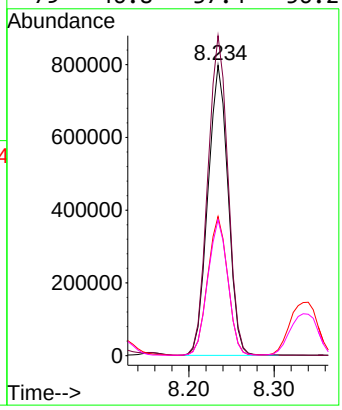




#17
2-Methylphenol
Concen: 49.632 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 130885

Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.8	133.2
77	47.9	38.7	58.1
79	46.8	37.4	56.2



Instrument :
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ClientSampleId :
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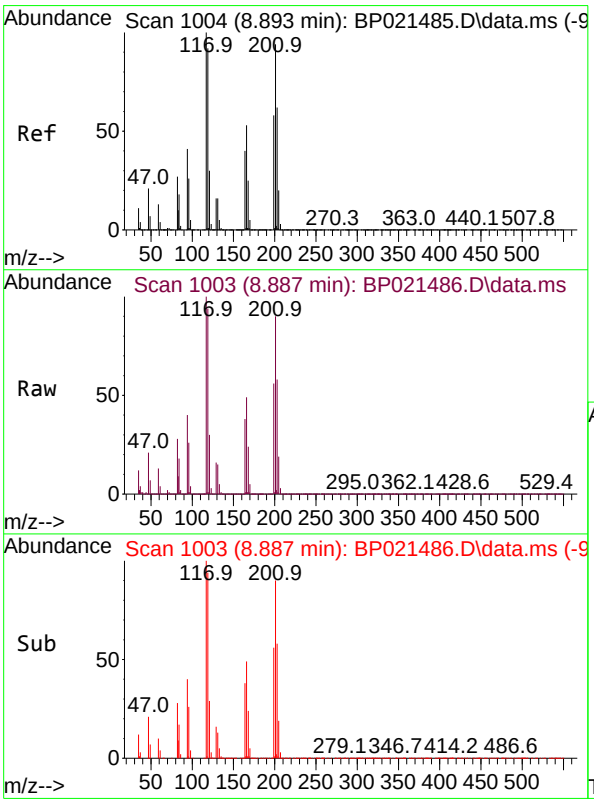
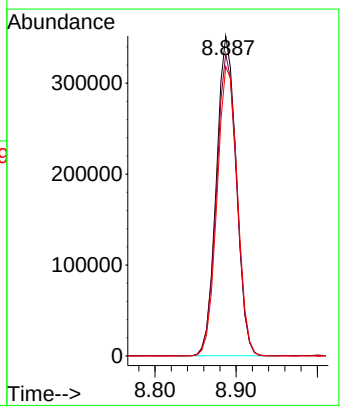
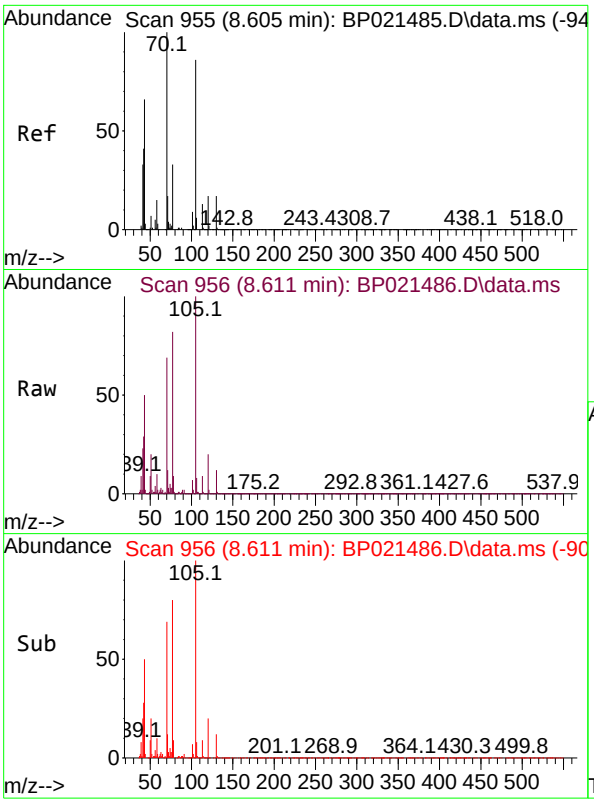


#18
Hexachloroethane
Concen: 49.004 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:117 Resp: 601480

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.9	110.9
201	90.5	74.9	112.3

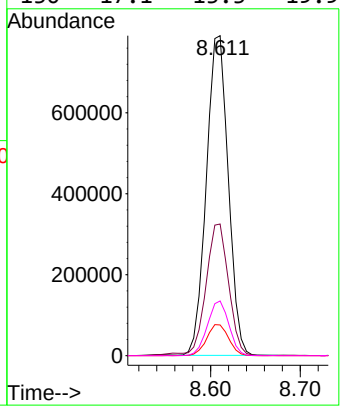




#19
n-Nitroso-di-n-propylamine
Concen: 48.171 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 70 Resp: 134042

Ion	Ratio	Lower	Upper
70	100		
42	41.2	33.1	49.7
101	9.6	7.4	11.2
130	17.1	13.3	19.9



Instrument :
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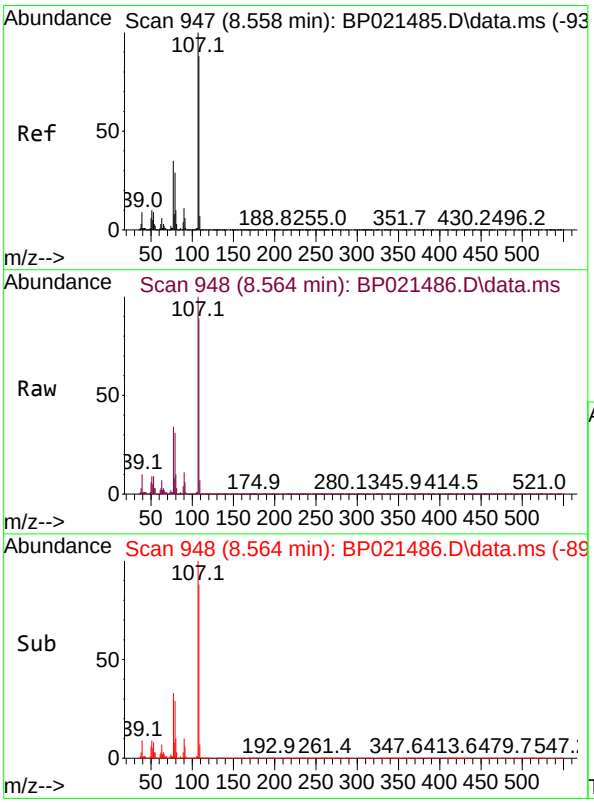
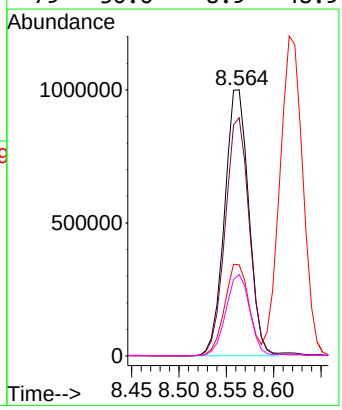
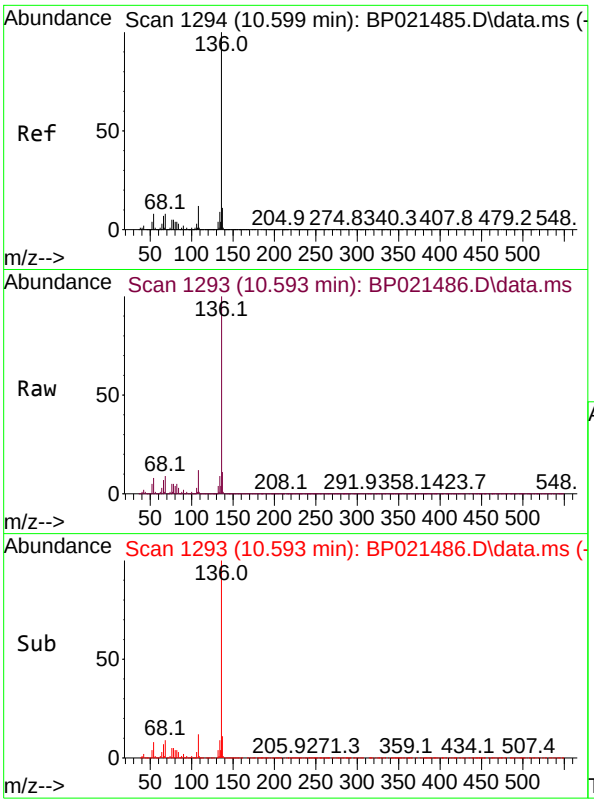


#20
3+4-Methylphenols
Concen: 49.982 ng
RT: 8.564 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1777289

Ion	Ratio	Lower	Upper
107	100		
108	89.5	67.6	107.6
77	34.2	15.0	55.0
79	30.6	8.9	48.9

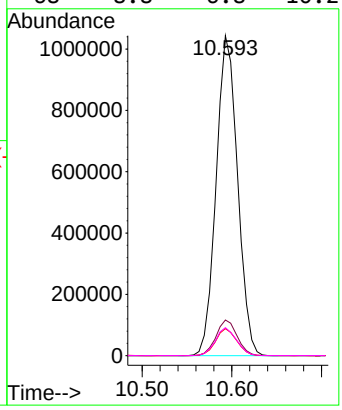




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:136 Resp: 172875

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.5	6.3	9.5
68	8.8	6.8	10.2



Instrument :
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ClientSampleId :
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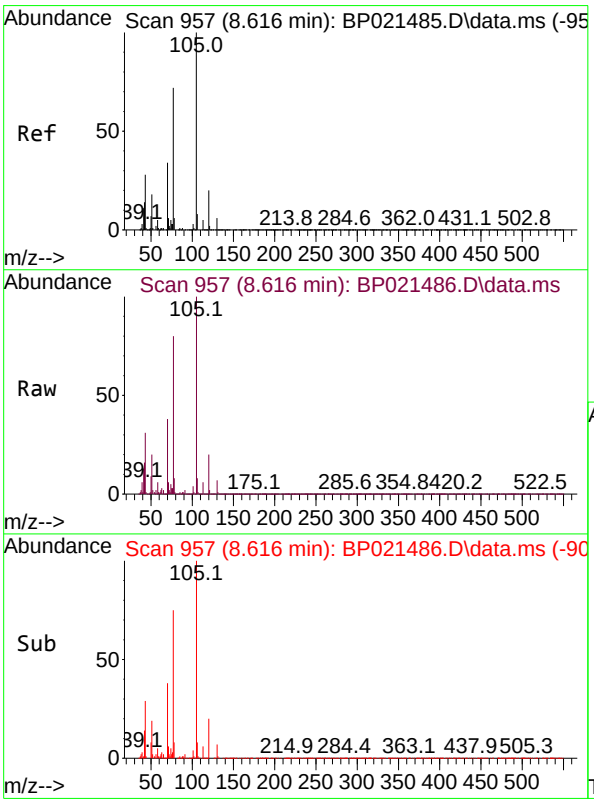
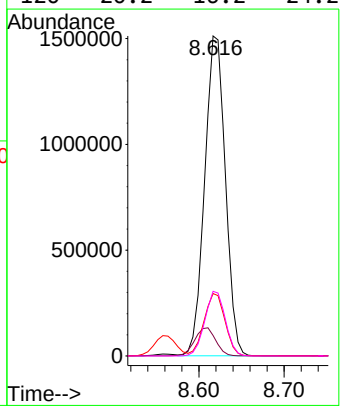
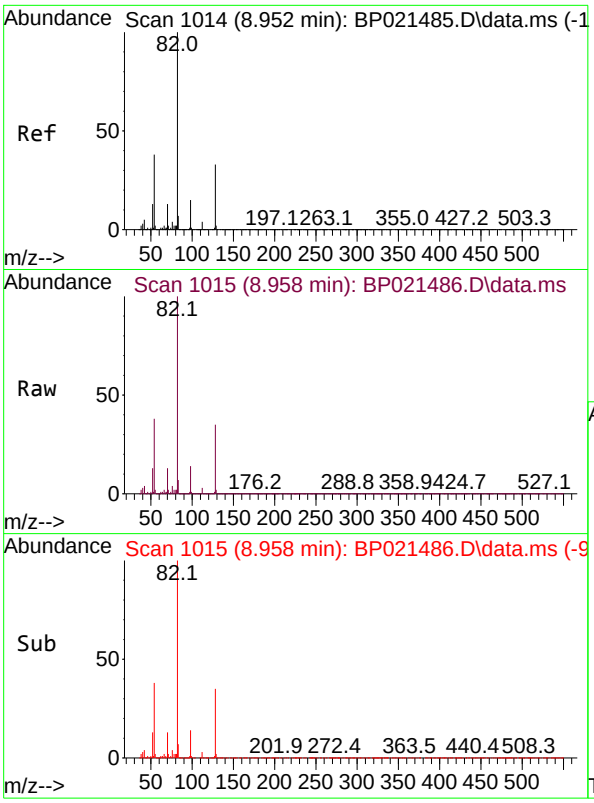


#22
Acetophenone
Concen: 48.058 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:105 Resp: 2552368

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.6	7.0
51	19.5	16.3	24.5
120	20.2	16.2	24.2

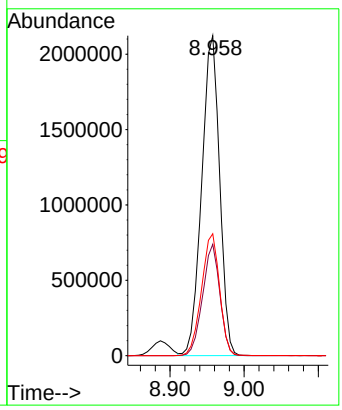




#23
Nitrobenzene-d5
Concen: 106.266 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 355921

Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
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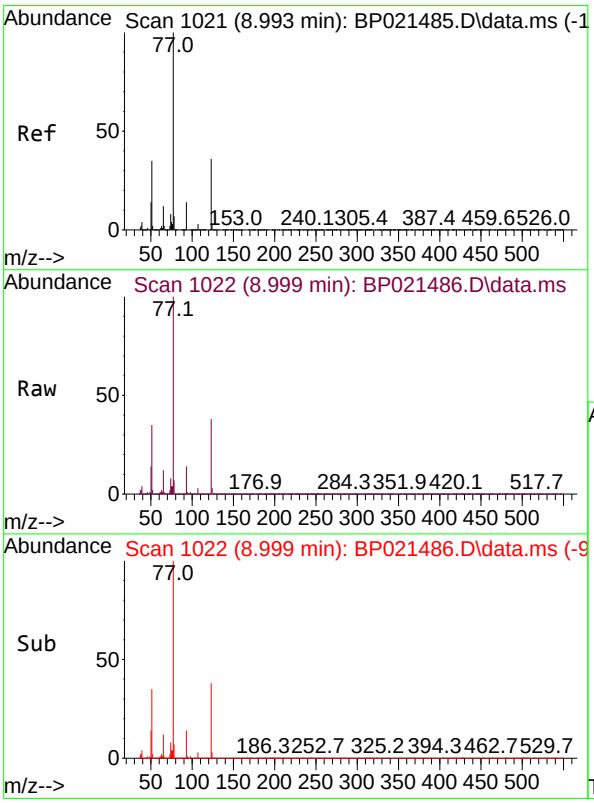
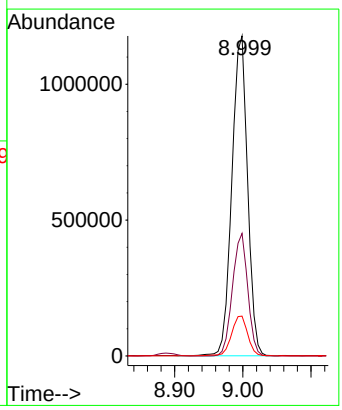
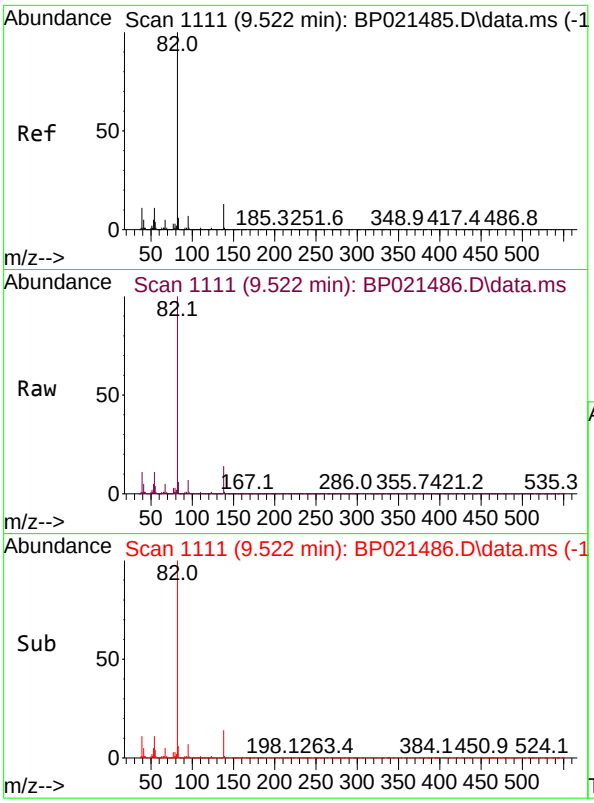


#24
Nitrobenzene
Concen: 51.725 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 1881606

Ion	Ratio	Lower	Upper
77	100		
123	38.3	29.5	44.3
65	12.4	9.9	14.9

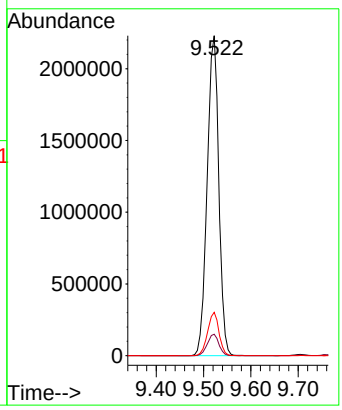




#25
Isophorone
Concen: 47.889 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 378927

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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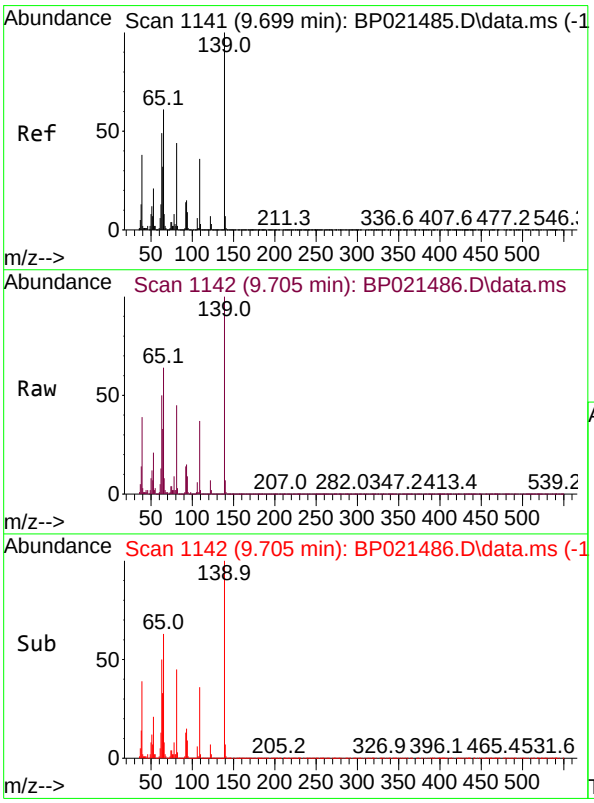
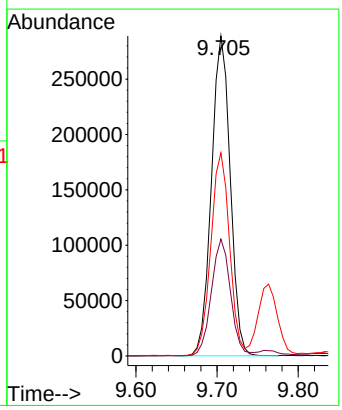
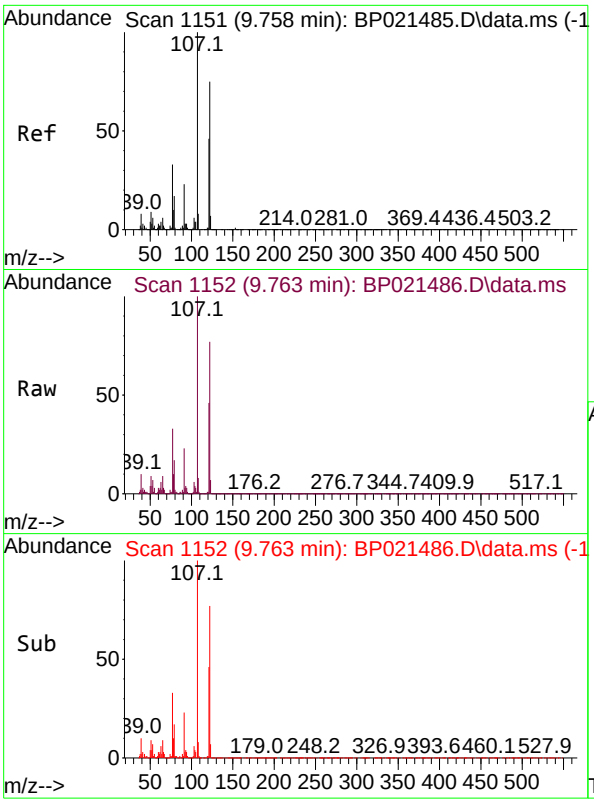


#26
2-Nitrophenol
Concen: 49.970 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 464597

Ion	Ratio	Lower	Upper
139	100		
109	36.5	28.9	43.3
65	63.5	49.0	73.6

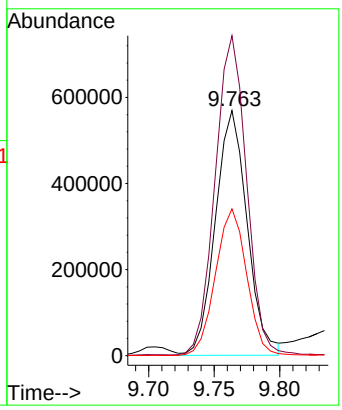




#27
2,4-Dimethylphenol
Concen: 48.987 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 95657

Ion	Ratio	Lower	Upper
122	100		
107	130.6	106.2	159.4
121	60.0	48.8	73.2



Instrument :
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ClientSampleId :
SSTDICC050

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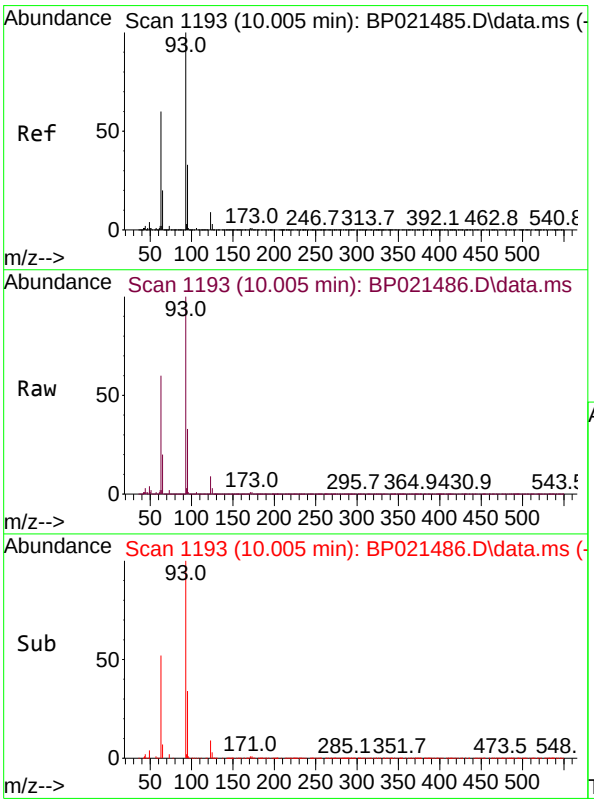
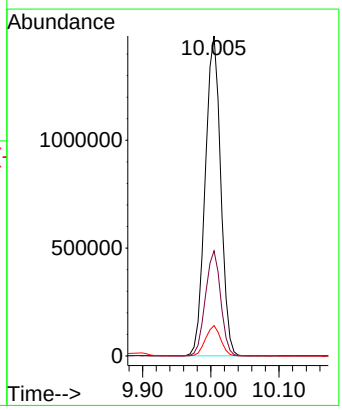
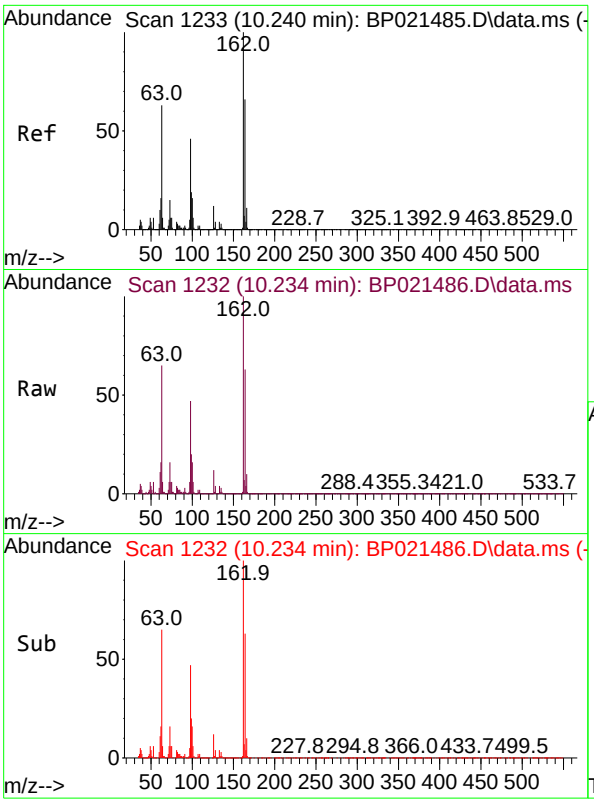


#28
bis(2-Chloroethoxy)methane
Concen: 48.504 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 2342749

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 51.545 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 118925

Ion	Ratio	Lower	Upper
162	100		
164	63.3	45.9	85.9
98	47.0	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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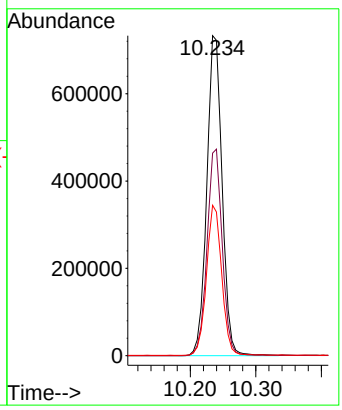
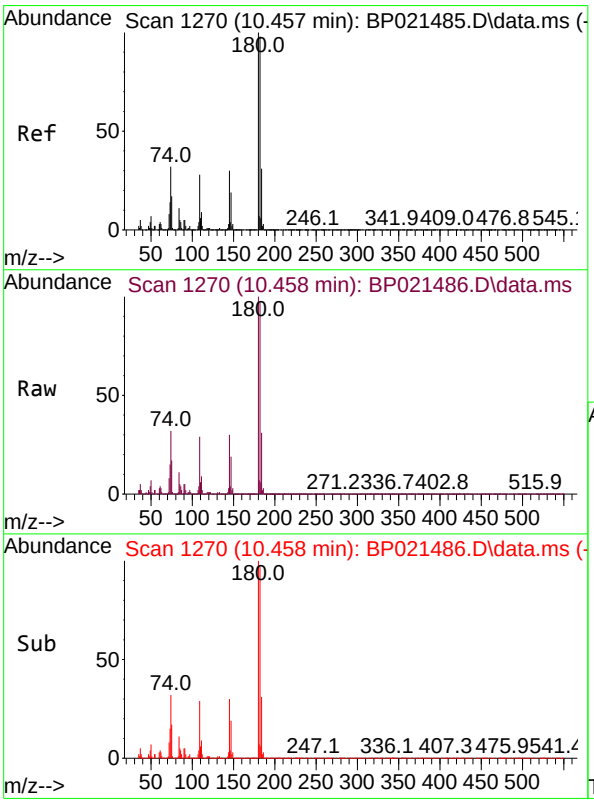
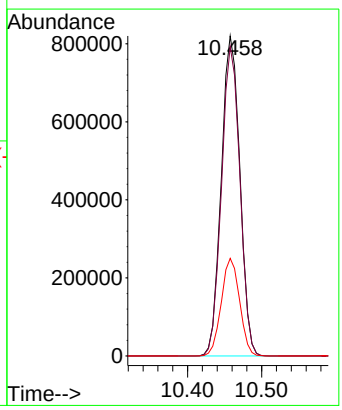


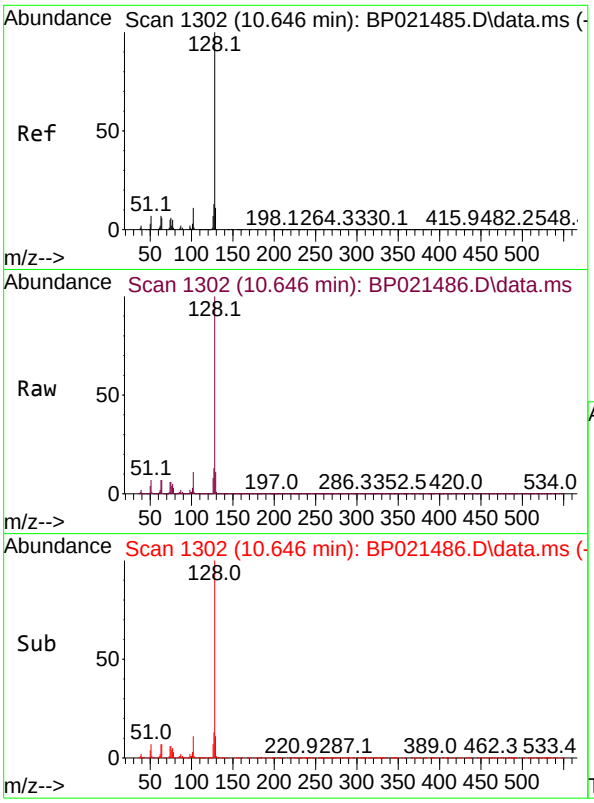


#30
1,2,4-Trichlorobenzene
Concen: 48.296 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:180 Resp: 1428575

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.3	117.5
145	30.5	24.0	36.0





#31
Naphthalene
Concen: 47.949 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:128 Resp: 433034

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.1	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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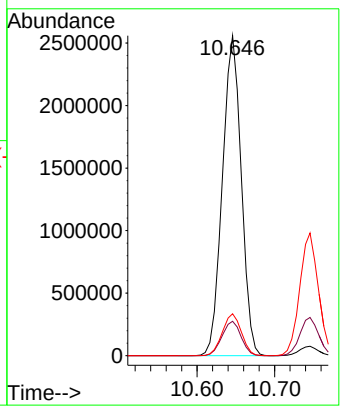
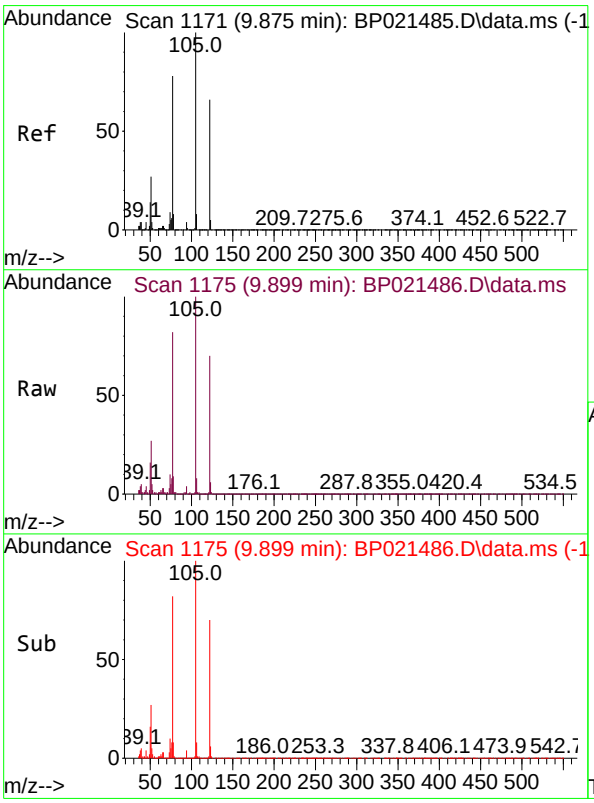
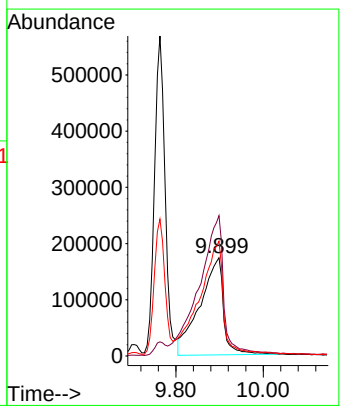


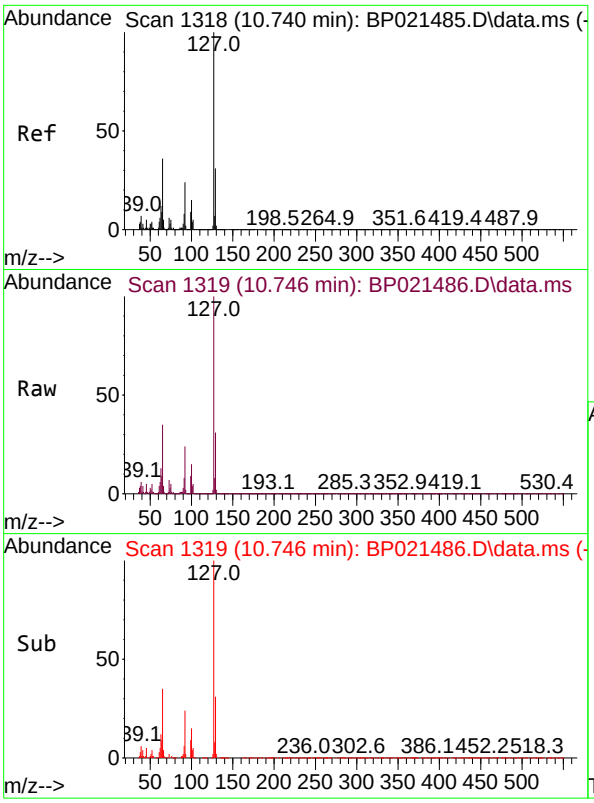


#32
Benzoic acid
Concen: 50.213 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 652668

Ion	Ratio	Lower	Upper
122	100		
105	142.9	124.6	164.6
77	116.7	96.2	136.2

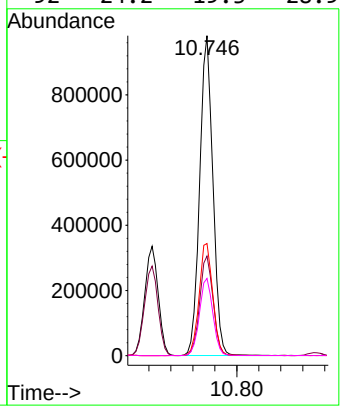




#33
4-Chloroaniline
Concen: 48.345 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:127 Resp: 164002

Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.5	36.7
65	35.1	28.9	43.3
92	24.2	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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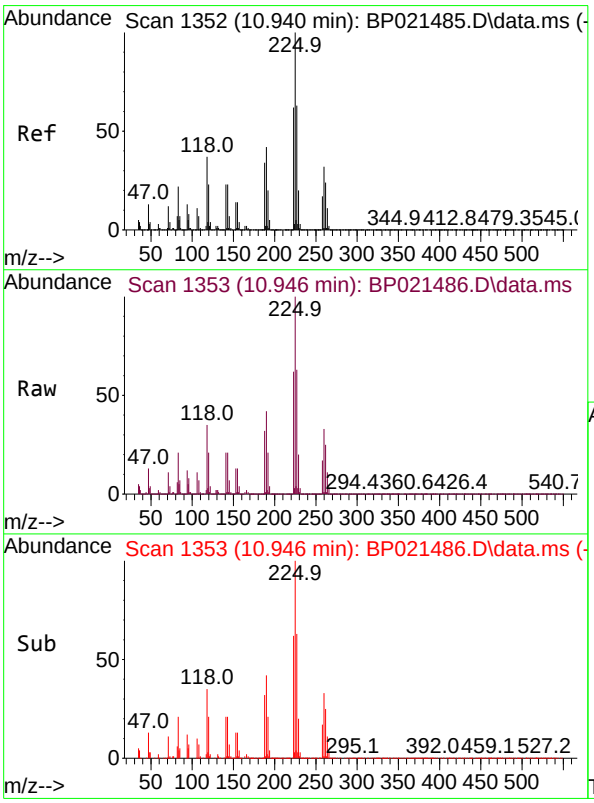
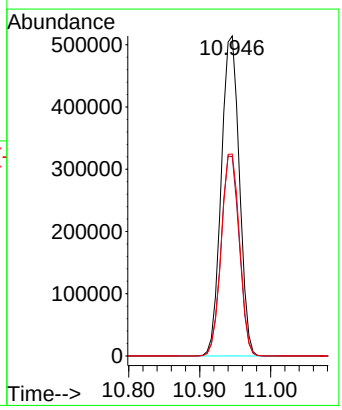
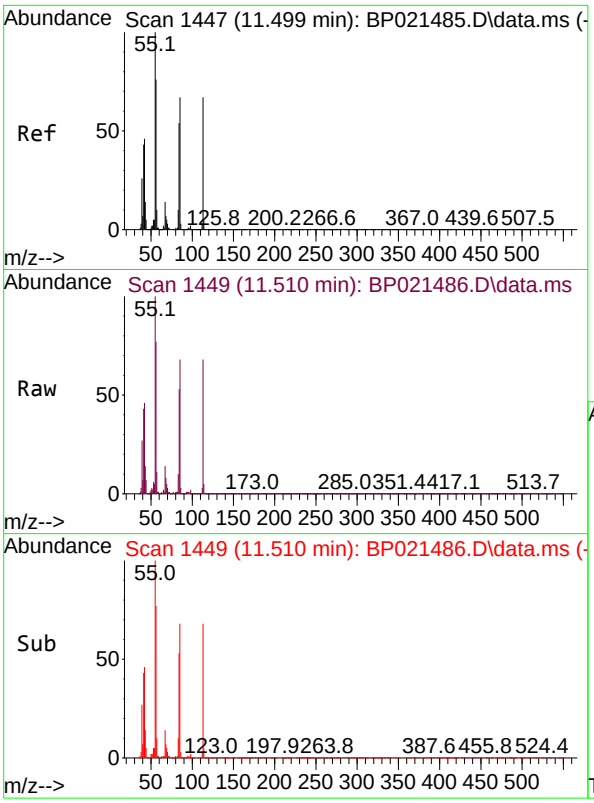


#34
Hexachlorobutadiene
Concen: 48.672 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:225 Resp: 906501

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.6	74.4
227	63.1	50.1	75.1

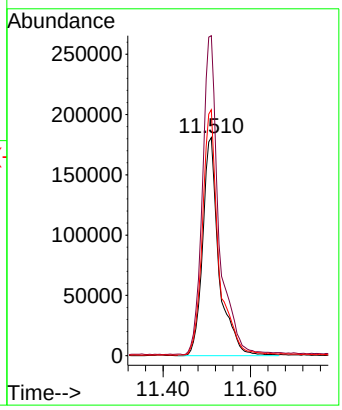




#35
Caprolactam
Concen: 48.850 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:113 Resp: 46907

Ion	Ratio	Lower	Upper
113	100		
55	146.7	130.6	170.6
56	112.8	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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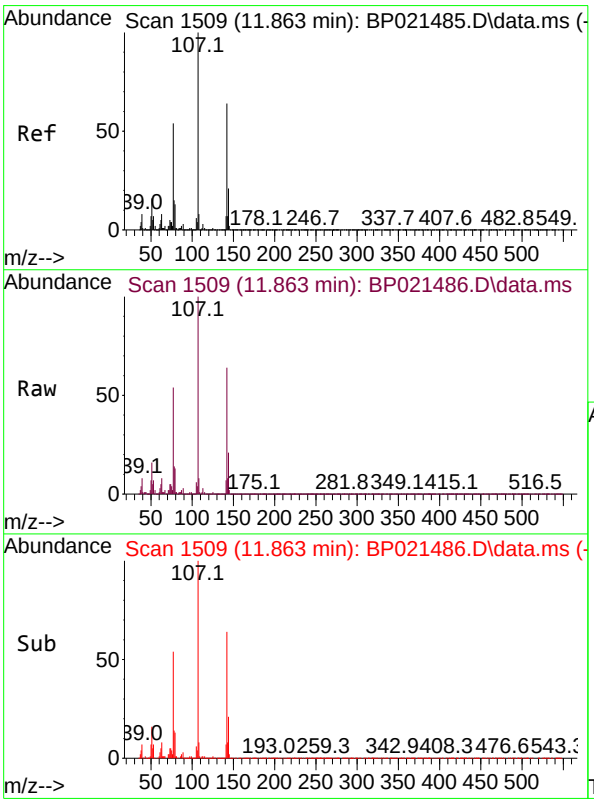
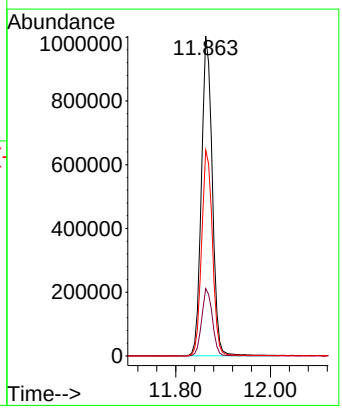
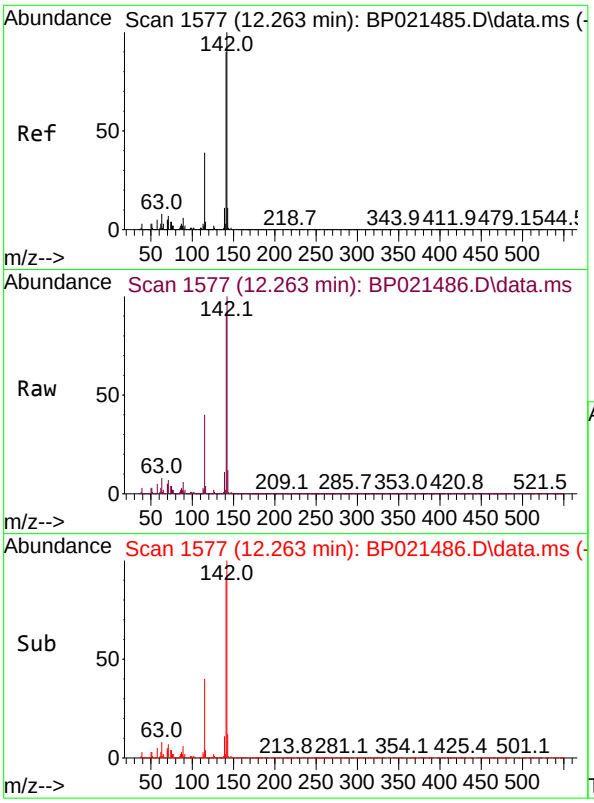


#36
4-Chloro-3-methylphenol
Concen: 50.008 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1600490

Ion	Ratio	Lower	Upper
107	100		
144	21.0	16.6	24.8
142	64.3	51.0	76.4

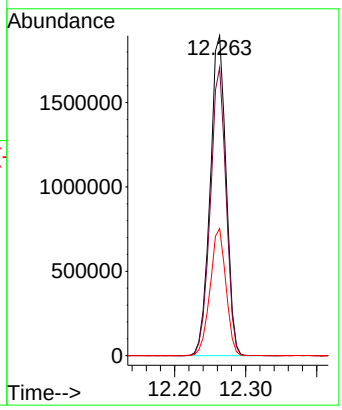




#37
2-Methylnaphthalene
Concen: 47.872 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 295067

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
115	39.7	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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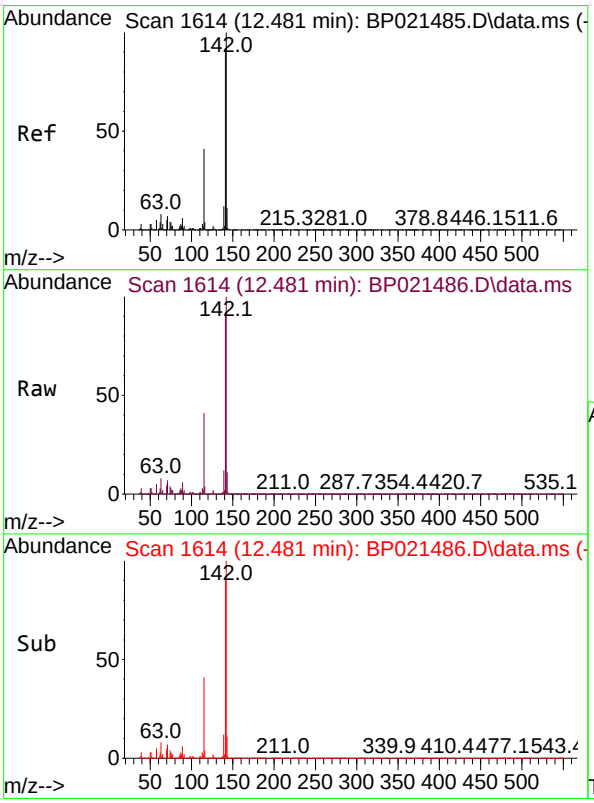
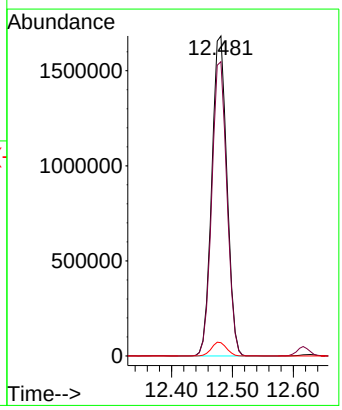
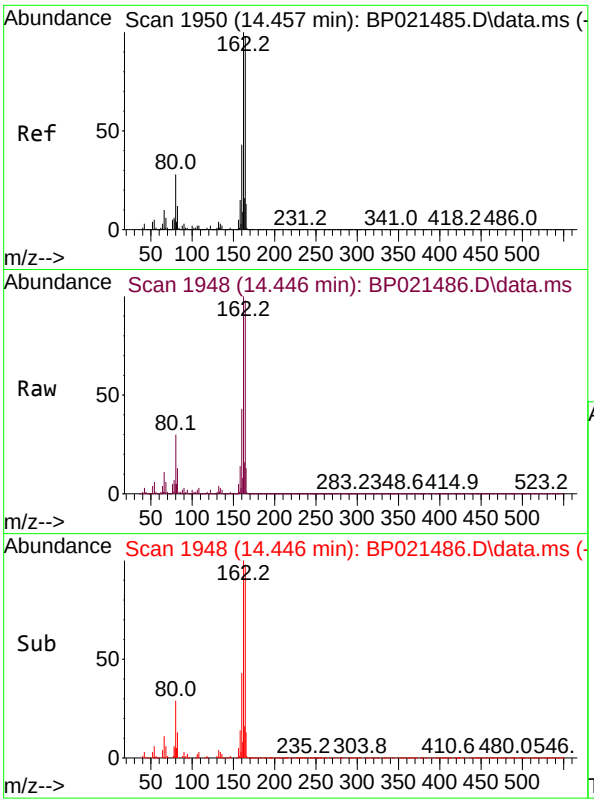


#38
1-Methylnaphthalene
Concen: 47.838 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 2908087

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3
116	4.2	3.4	5.2

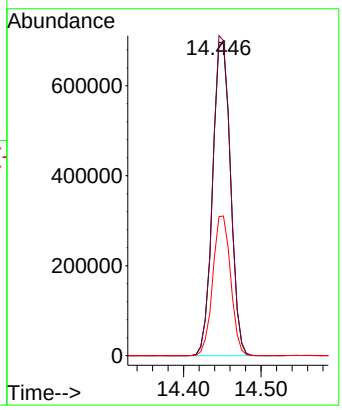




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:164 Resp: 111920

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.5	122.3
160	44.3	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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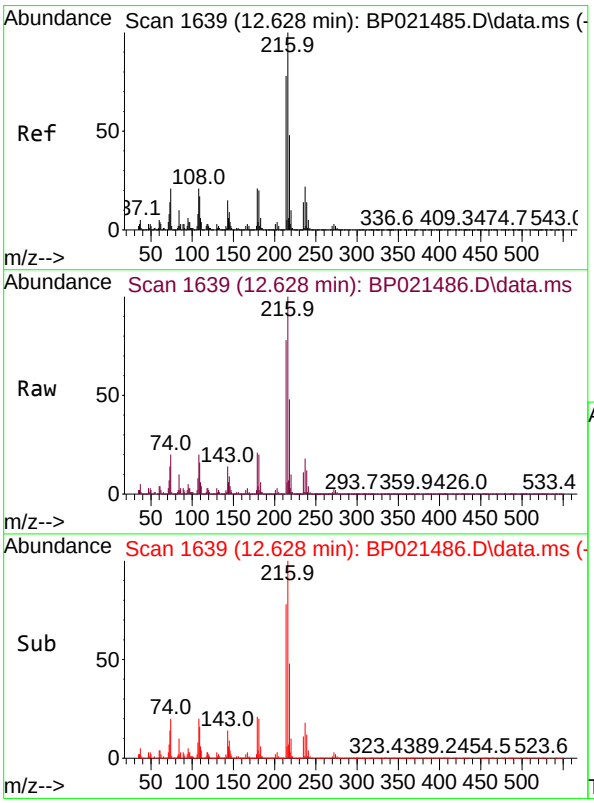
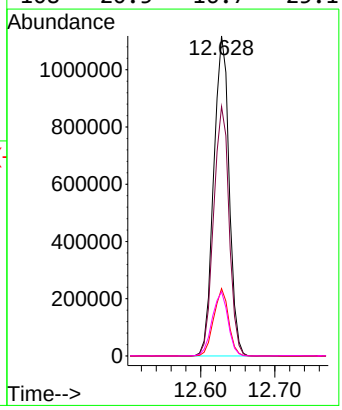
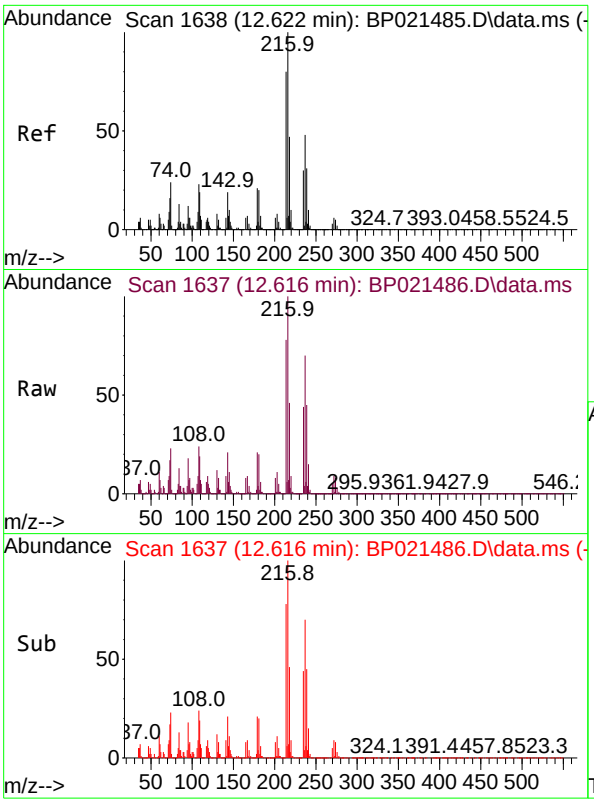


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.332 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:216 Resp: 1617735

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 52.560 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:237 Resp: 54626

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.2	0.0	33.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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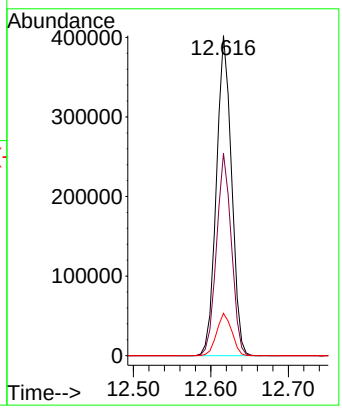
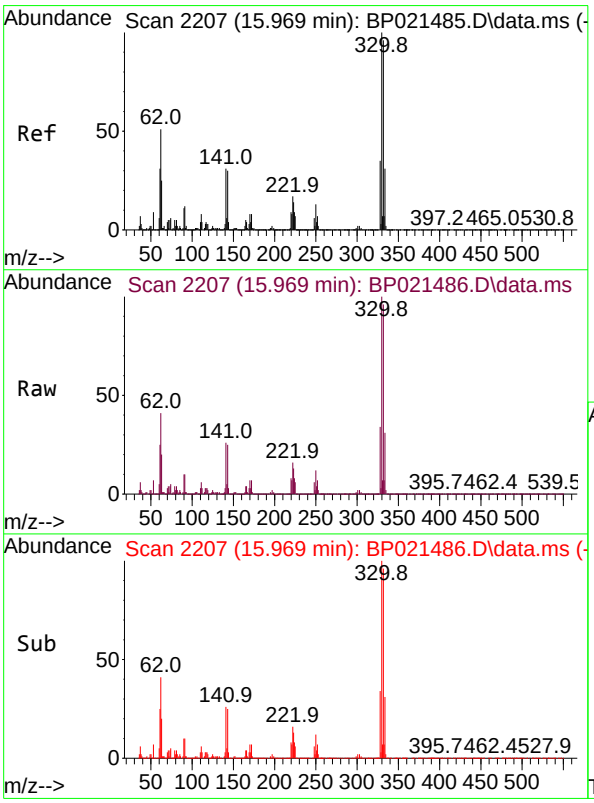
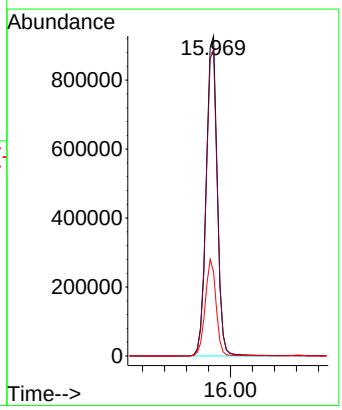


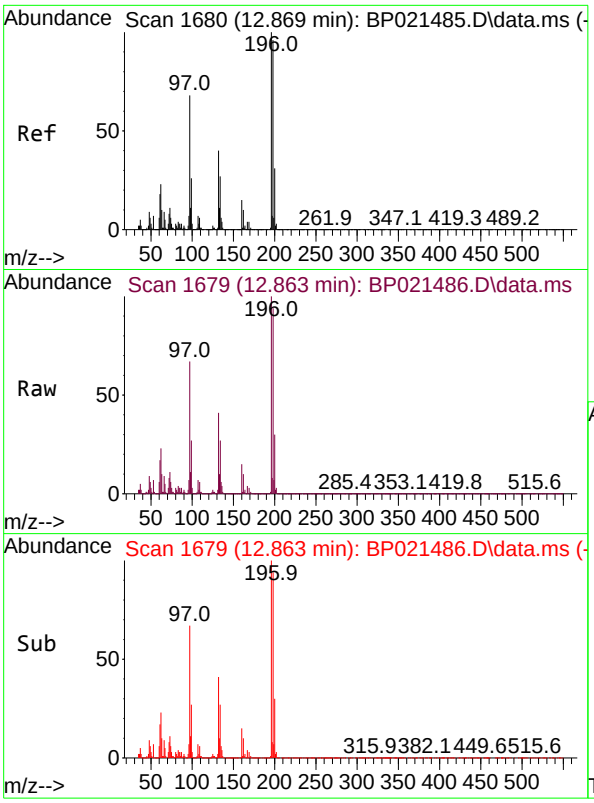


#42
2,4,6-Tribromophenol
Concen: 103.974 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:330 Resp: 1295133

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.8	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 52.124 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 94948

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	30.0	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
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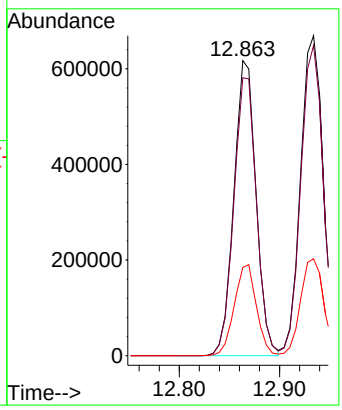
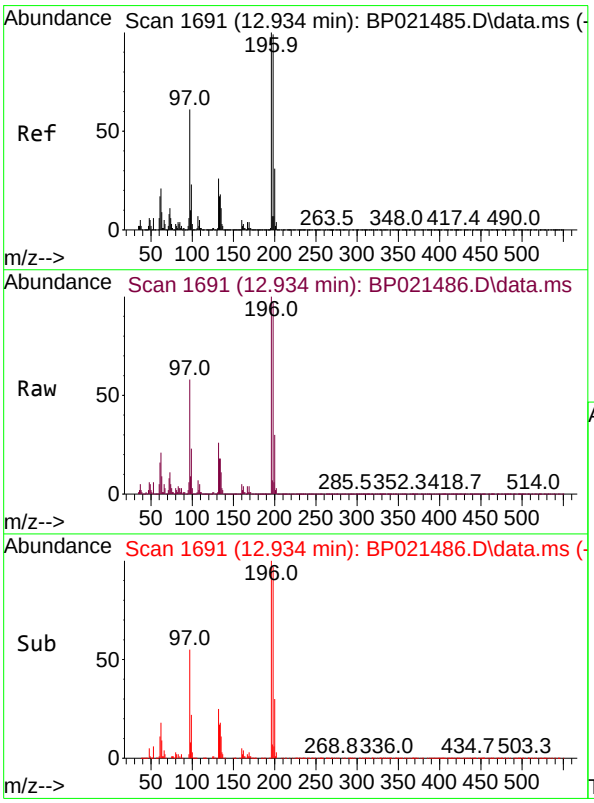
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

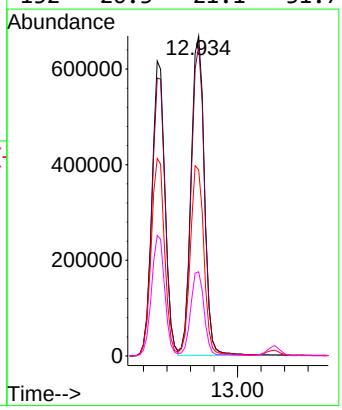


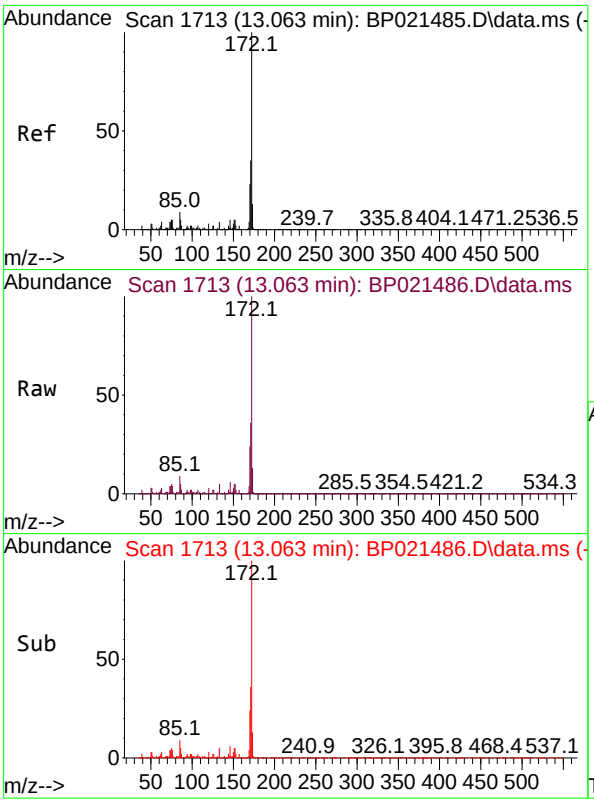


#44
2,4,5-Trichlorophenol
Concen: 52.191 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 1056277

Ion	Ratio	Lower	Upper
196	100		
198	97.0	78.9	118.3
97	58.2	49.4	74.0
132	26.3	21.1	31.7

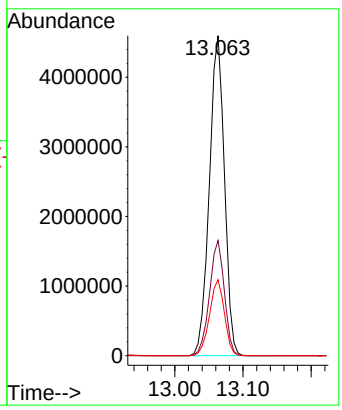




#45
2-Fluorobiphenyl
Concen: 96.455 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:172 Resp: 707351

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.8	18.4	27.6



Instrument :
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ClientSampleId :
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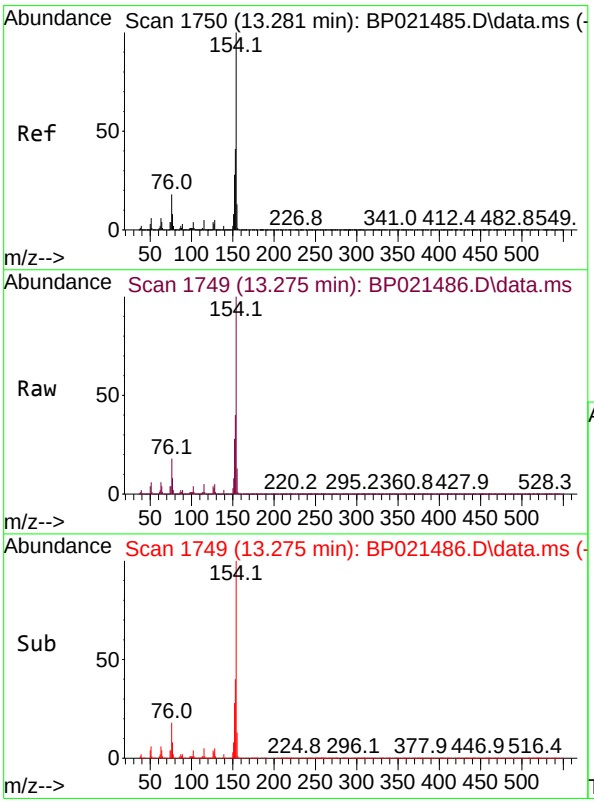
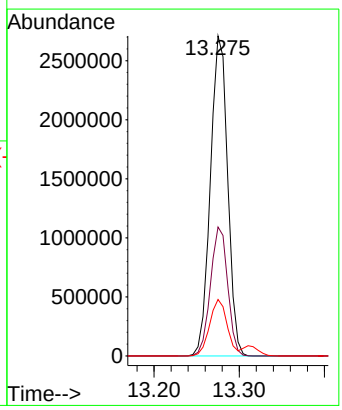
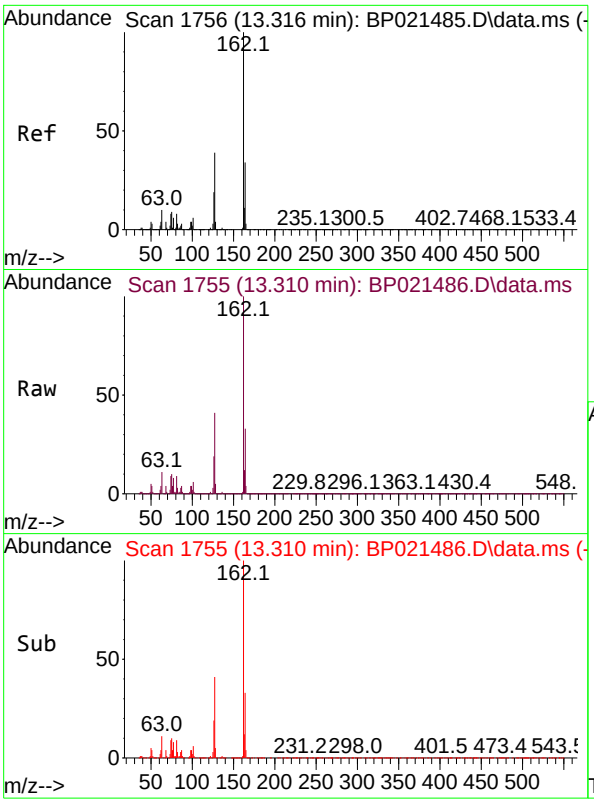


#46
1,1'-Biphenyl
Concen: 48.139 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 3811862

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	17.6	0.0	37.7

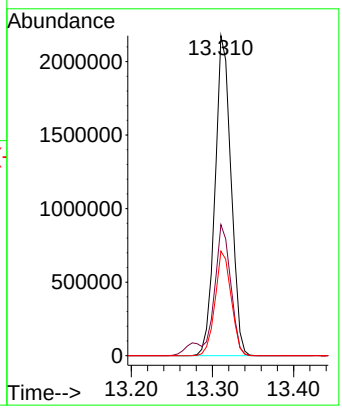




#47
2-Chloronaphthalene
Concen: 48.332 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 297955

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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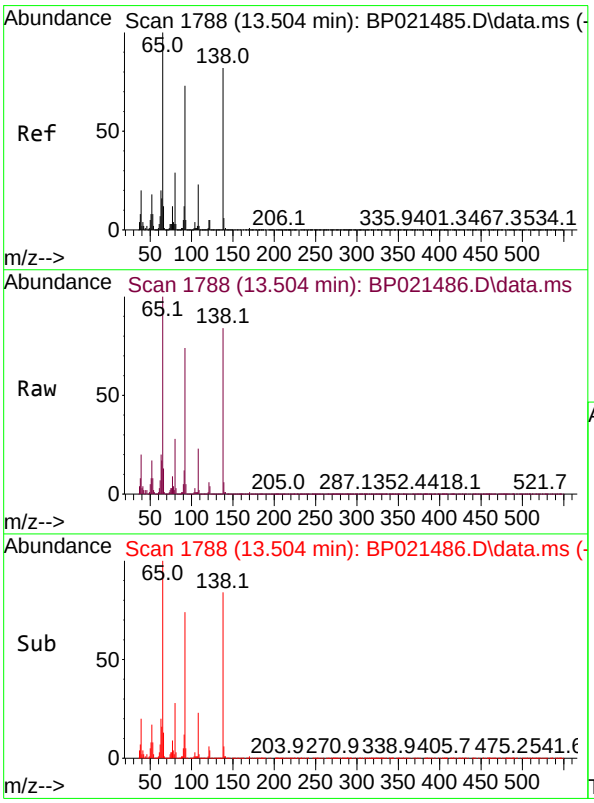
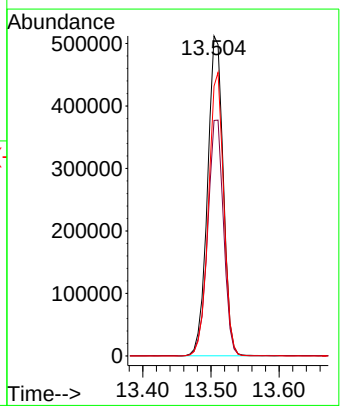
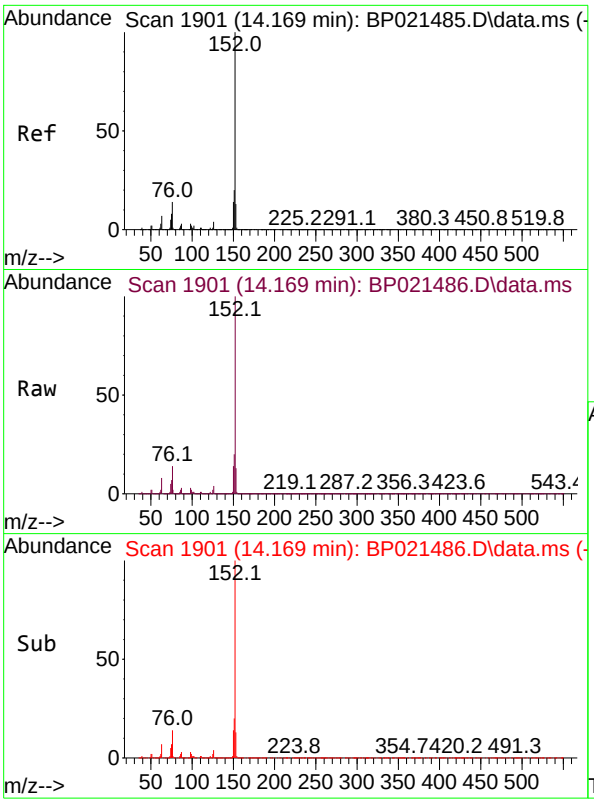


#48
2-Nitroaniline
Concen: 47.603 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 65 Resp: 821676

Ion	Ratio	Lower	Upper
65	100		
92	73.6	58.1	87.1
138	84.3	65.5	98.3





#49
Acenaphthylene
Concen: 48.190 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 436722

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.6	16.0

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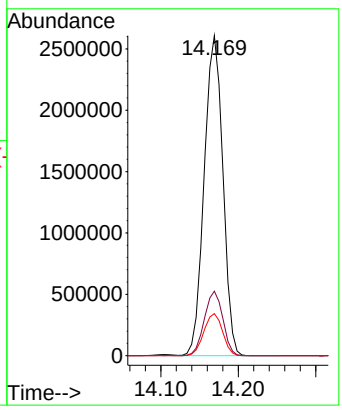
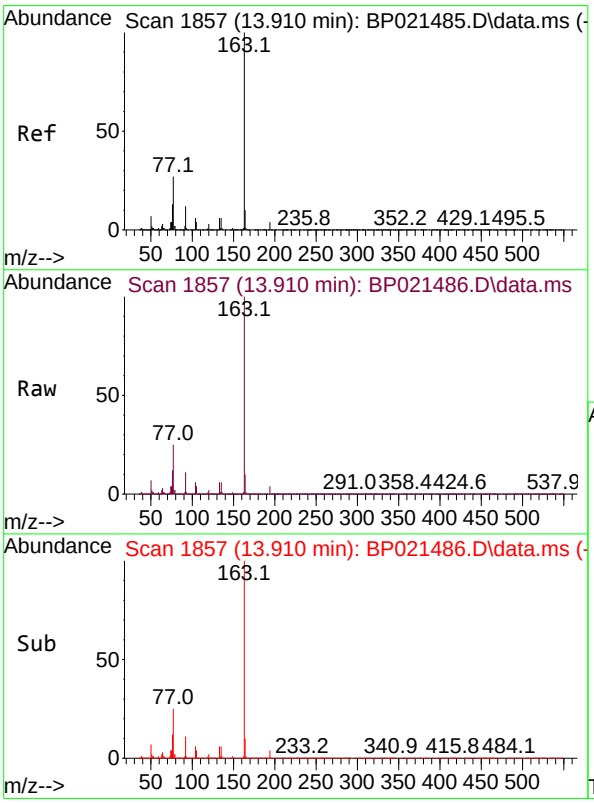
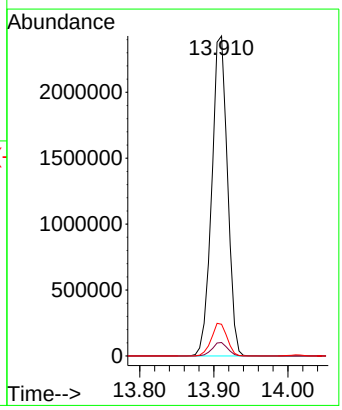


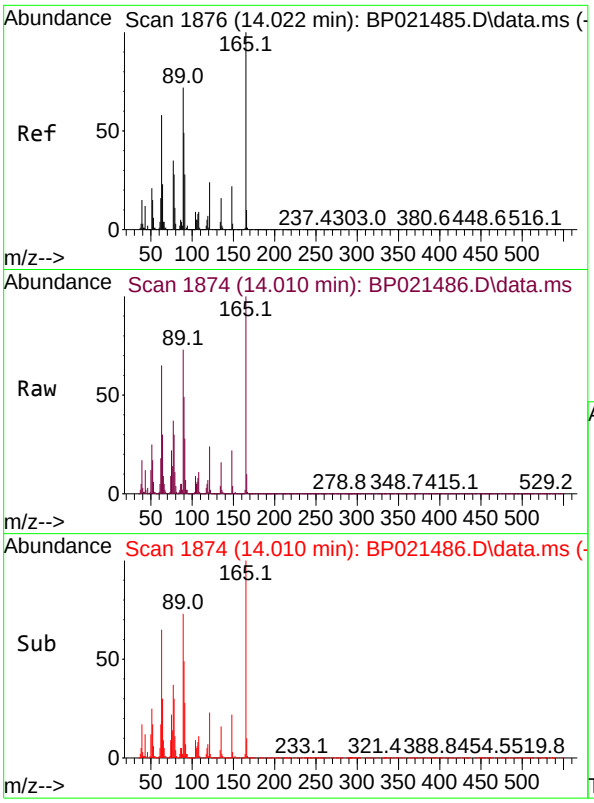


#50
Dimethylphthalate
Concen: 47.620 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:163 Resp: 3569162

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.3	12.5

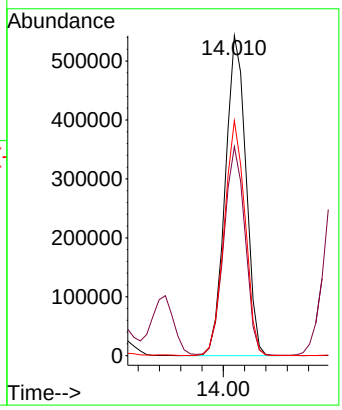




#51
2,6-Dinitrotoluene
Concen: 48.330 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 73126

Ion	Ratio	Lower	Upper
165	100		
63	65.3	51.5	77.3
89	73.4	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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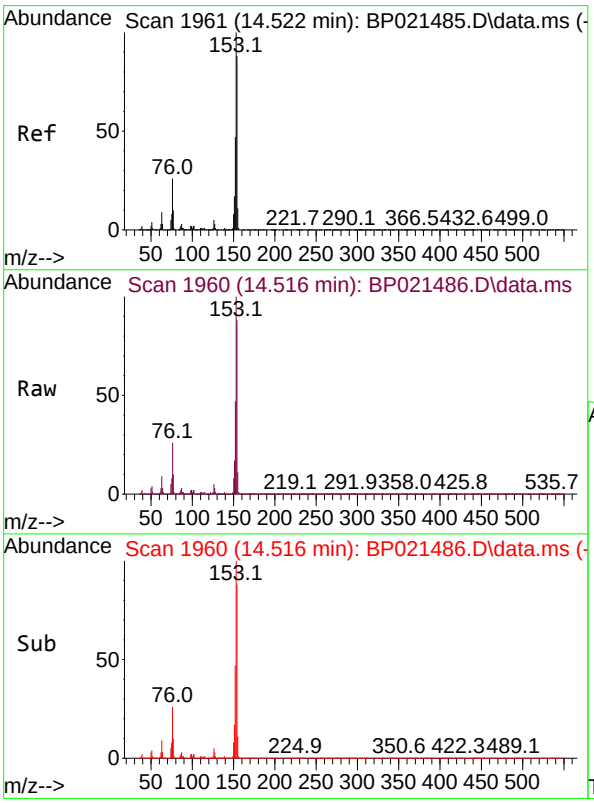
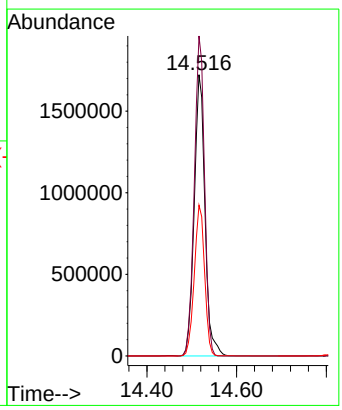
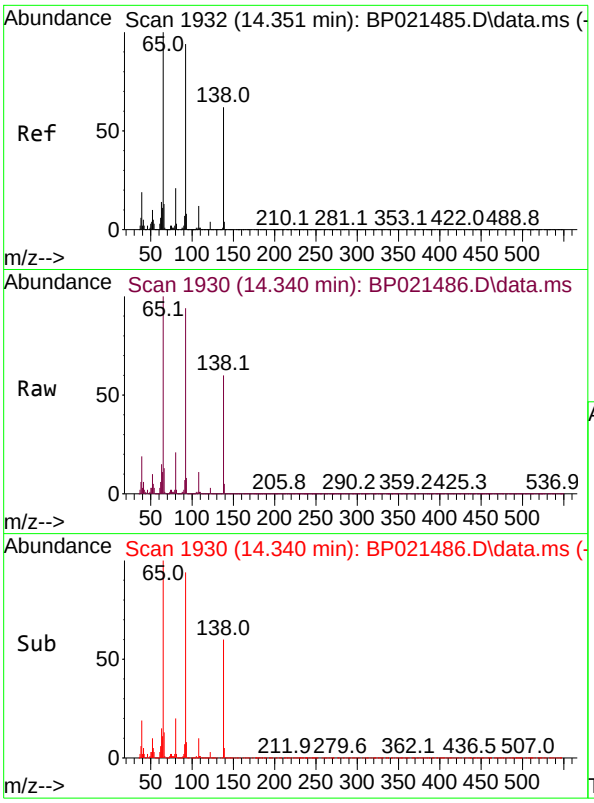


#52
Acenaphthene
Concen: 48.126 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 2861701

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.6	43.0	64.4





#53
3-Nitroaniline
Concen: 47.788 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 71010

Ion	Ratio	Lower	Upper
138	100		
108	17.7	16.2	24.4
92	156.7	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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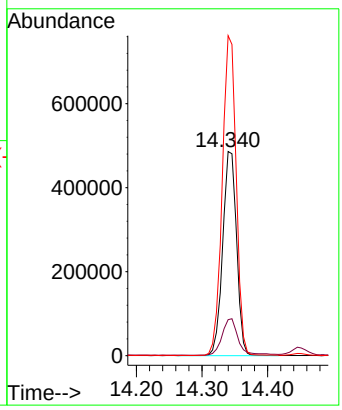
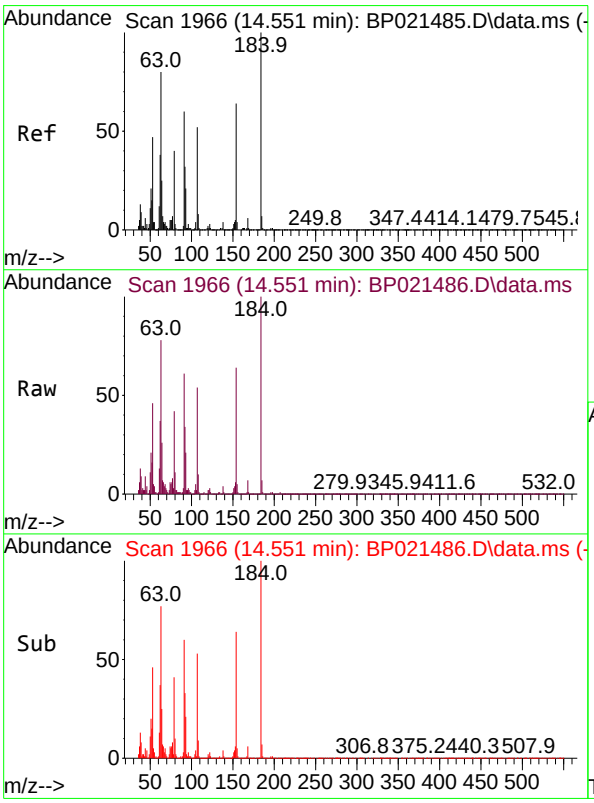
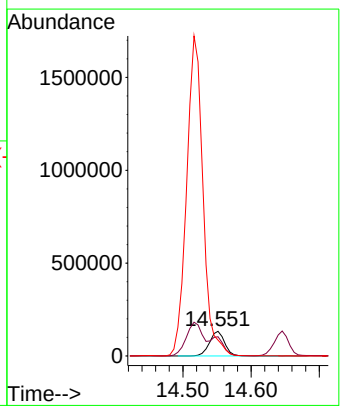


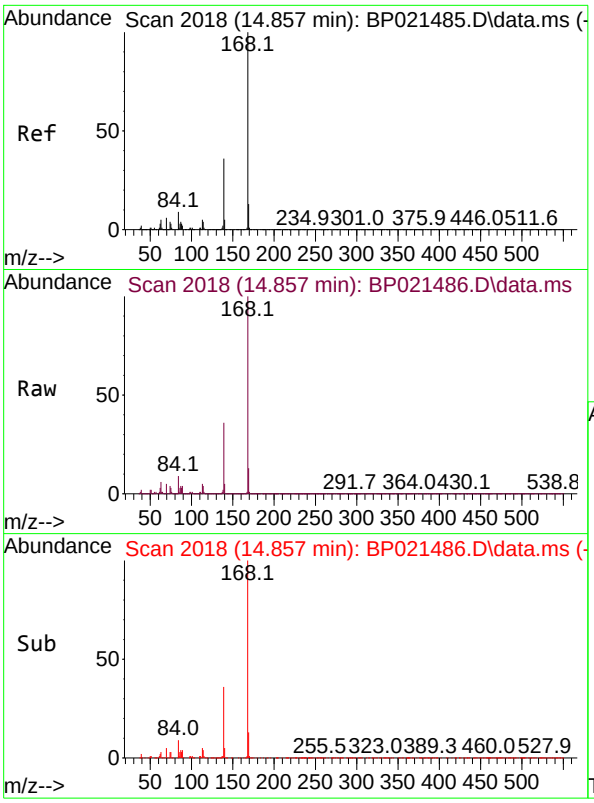


#54
2,4-Dinitrophenol
Concen: 49.369 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 205628

Ion	Ratio	Lower	Upper
184	100		
63	77.6	64.9	97.3
154	64.3	52.1	78.1

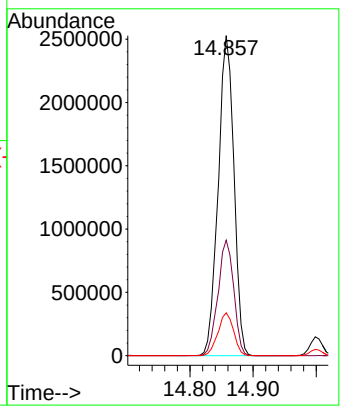




#55
Dibenzofuran
Concen: 47.811 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:168 Resp: 437340

Ion	Ratio	Lower	Upper
168	100		
139	36.1	28.6	43.0
169	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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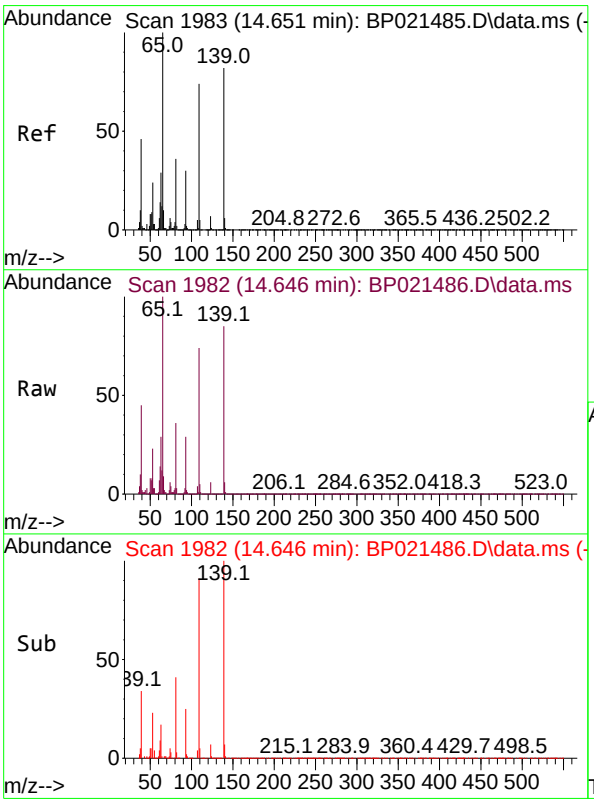
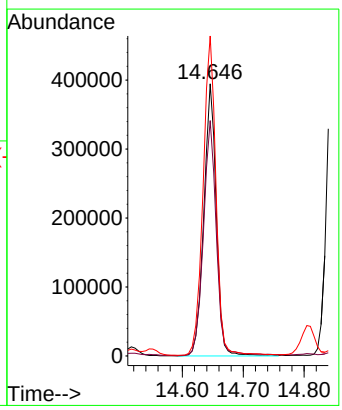
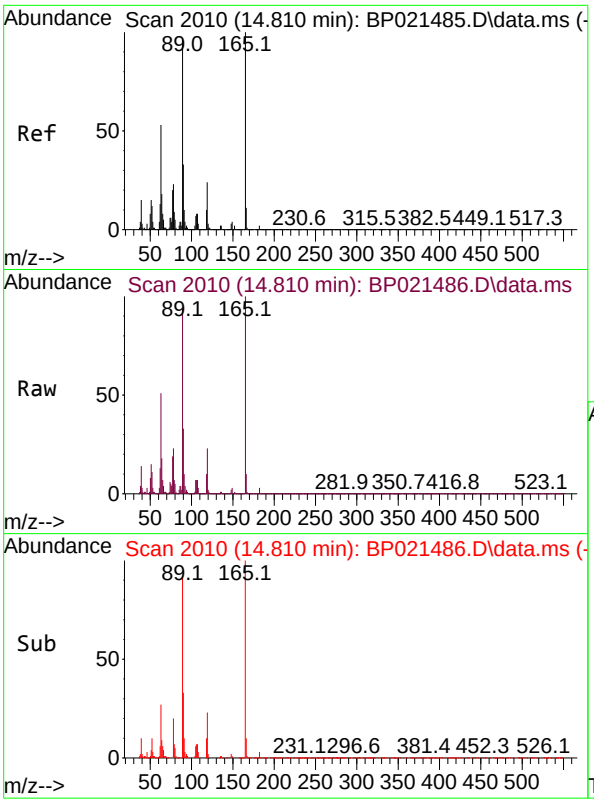


#56
4-Nitrophenol
Concen: 47.429 ng
RT: 14.646 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 562138

Ion	Ratio	Lower	Upper
139	100		
109	86.5	70.2	110.2
65	117.6	101.8	141.8

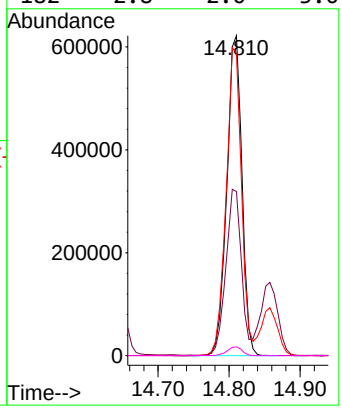




#57
2,4-Dinitrotoluene
Concen: 47.777 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 91837

Ion	Ratio	Lower	Upper
165	100		
63	51.3	42.5	63.7
89	94.4	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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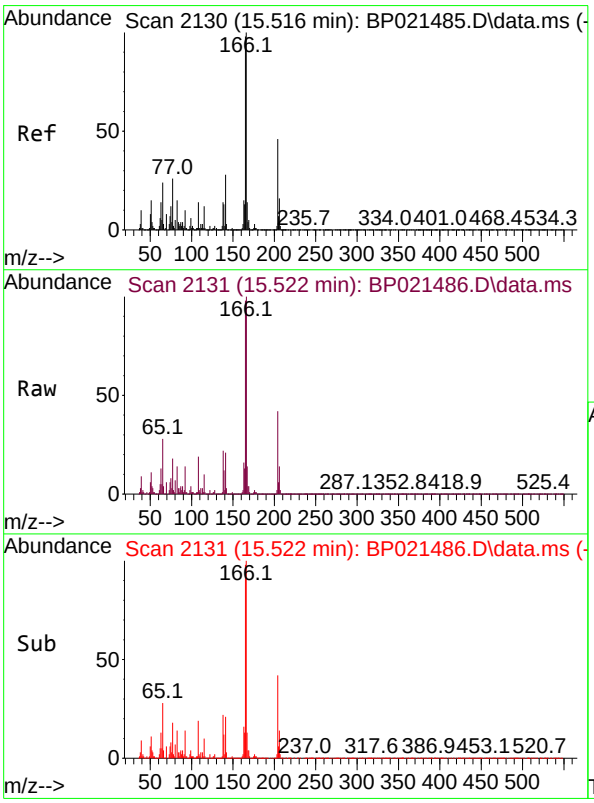
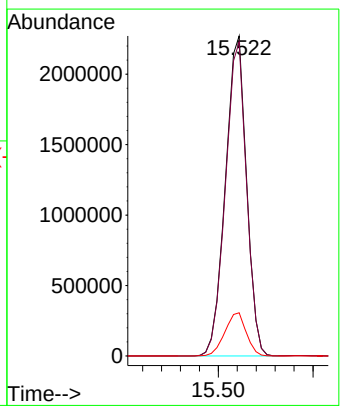
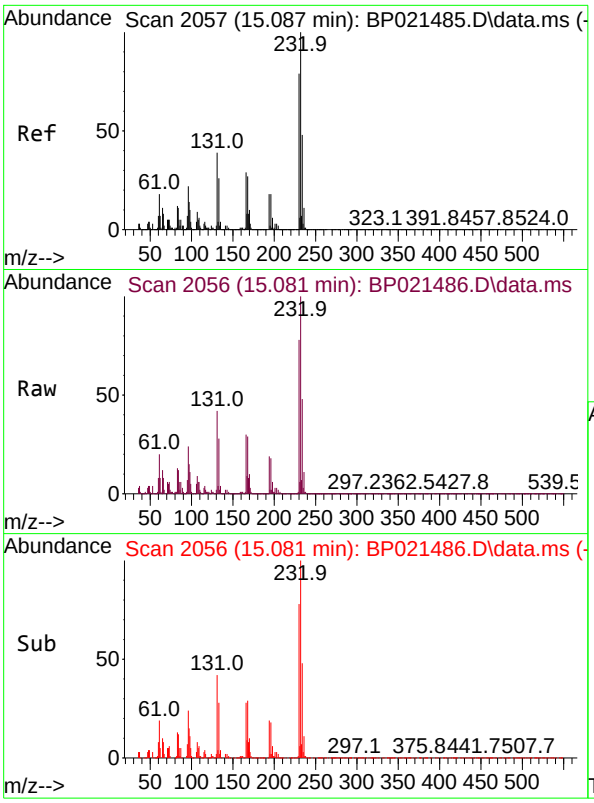


#58
Fluorene
Concen: 46.908 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:166 Resp: 3525015

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.5	11.0	16.4

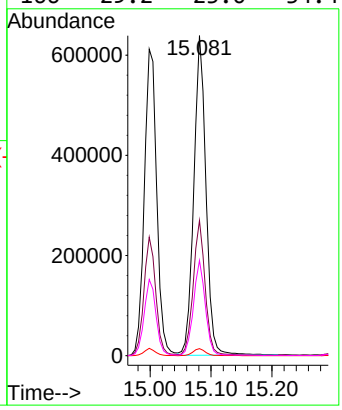




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.558 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:232 Resp: 88568

Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.1	49.7
130	2.3	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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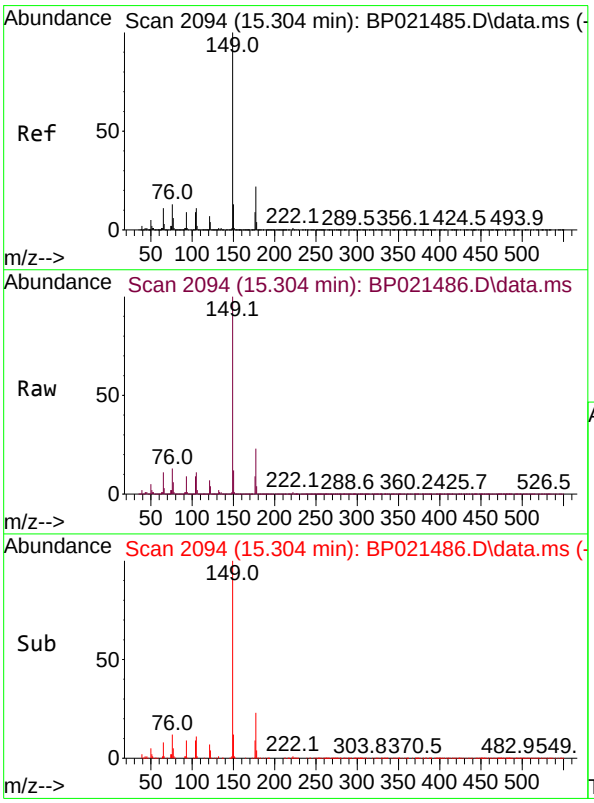
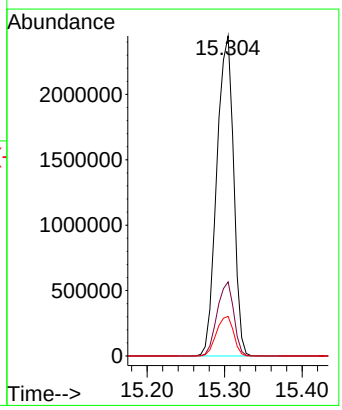
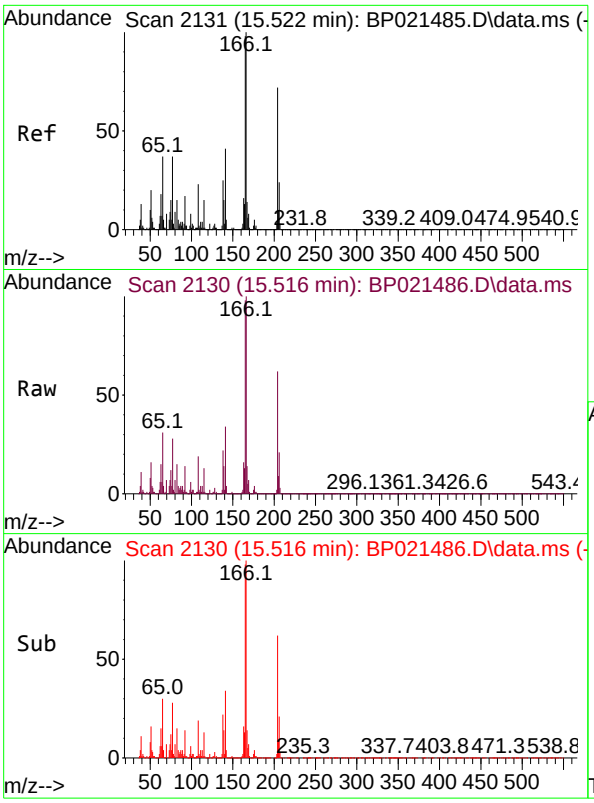


#60
Diethylphthalate
Concen: 47.945 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 3687157

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.4	10.1	15.1

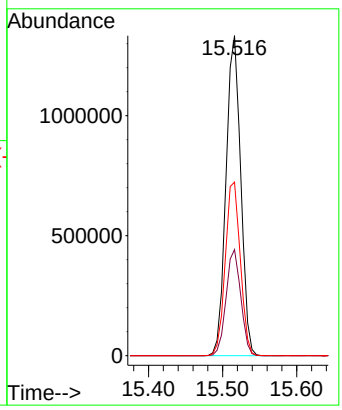




#61
4-Chlorophenyl-phenylether
Concen: 47.272 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:204 Resp: 183623

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	54.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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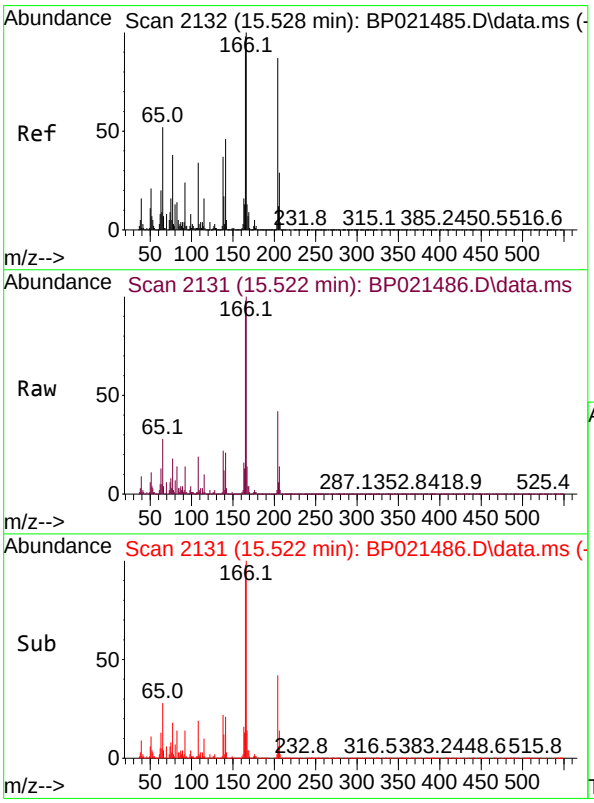
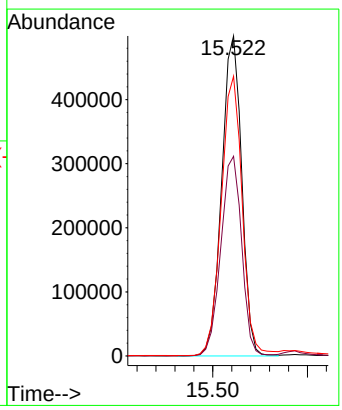
Supervised By :mohammad ahmed 08/14/2024

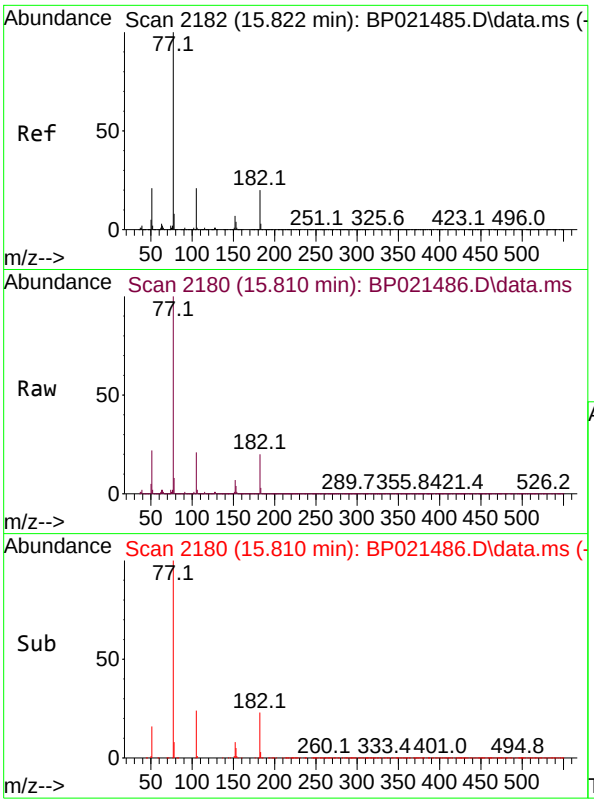


#62
4-Nitroaniline
Concen: 47.987 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 733231

Ion	Ratio	Lower	Upper
138	100		
92	62.4	46.4	86.4
108	87.4	73.2	113.2

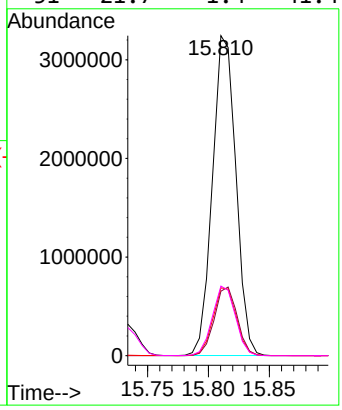




#63
Azobenzene
Concen: 46.014 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 434986

Ion	Ratio	Lower	Upper
77	100		
182	20.1	0.0	39.9
105	21.2	0.9	40.9
51	21.7	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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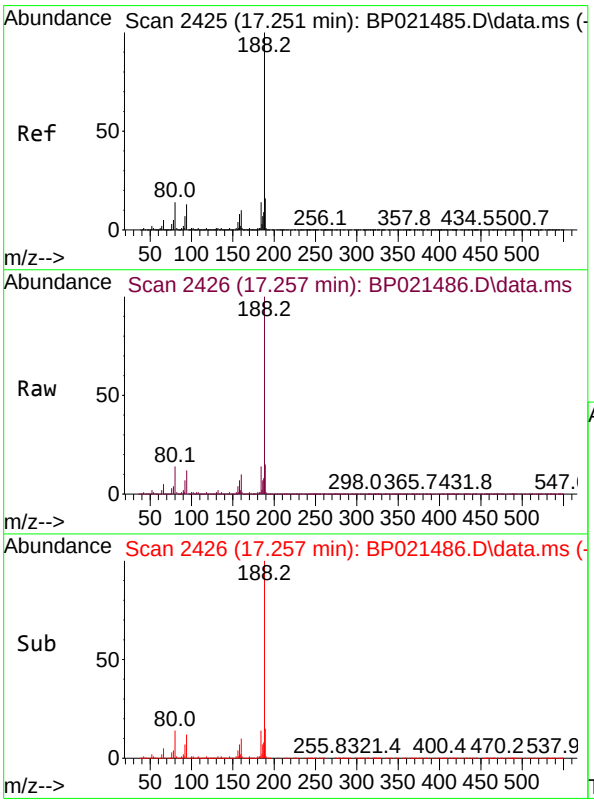
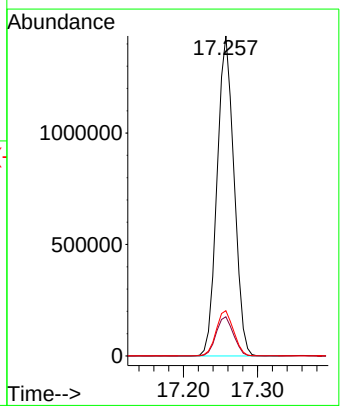
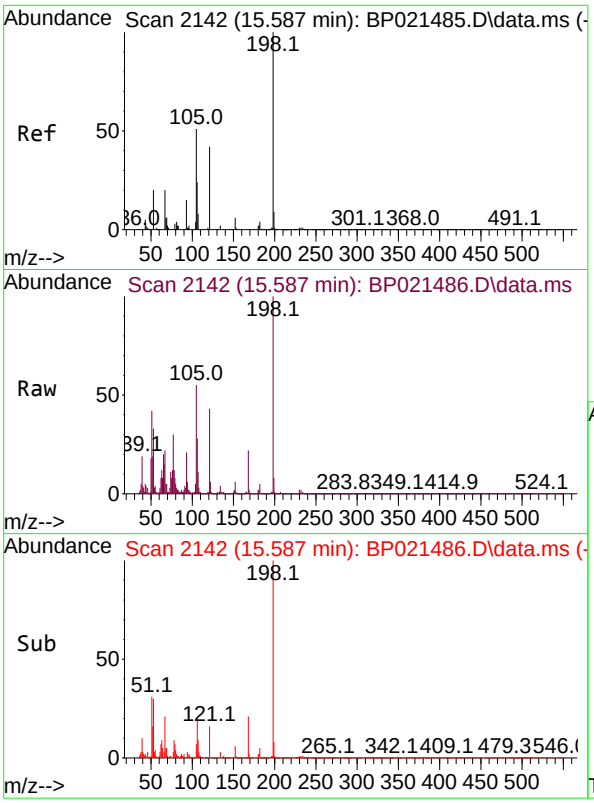


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:188 Resp: 2278560

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	14.1	11.6	17.4

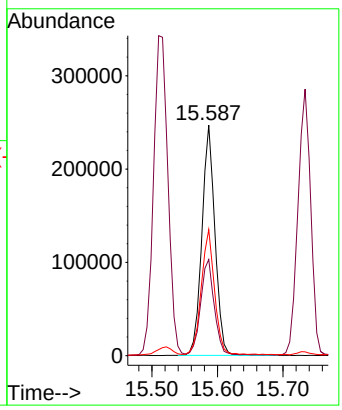




#65
4,6-Dinitro-2-methylphenol
Concen: 49.749 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:198 Resp: 34205

Ion	Ratio	Lower	Upper
198	100		
51	41.7	21.5	61.5
105	54.7	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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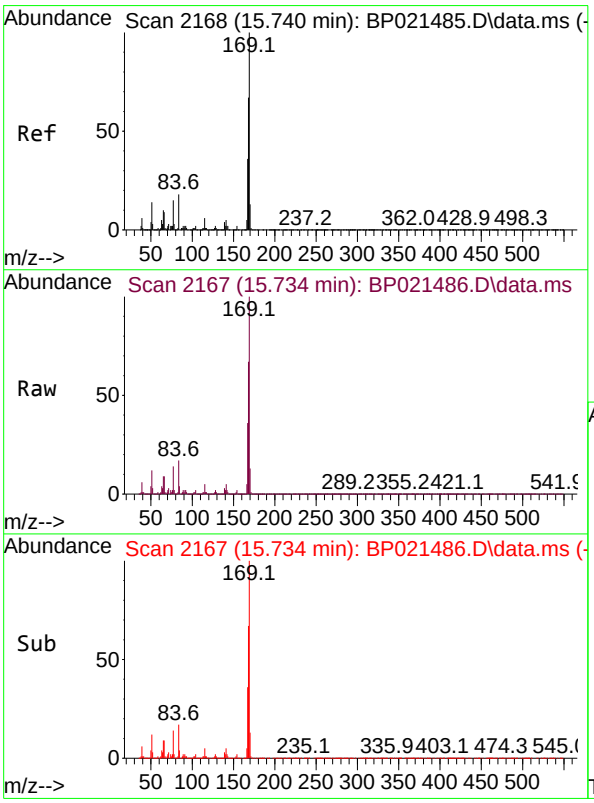
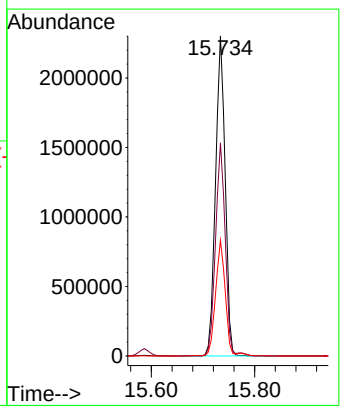
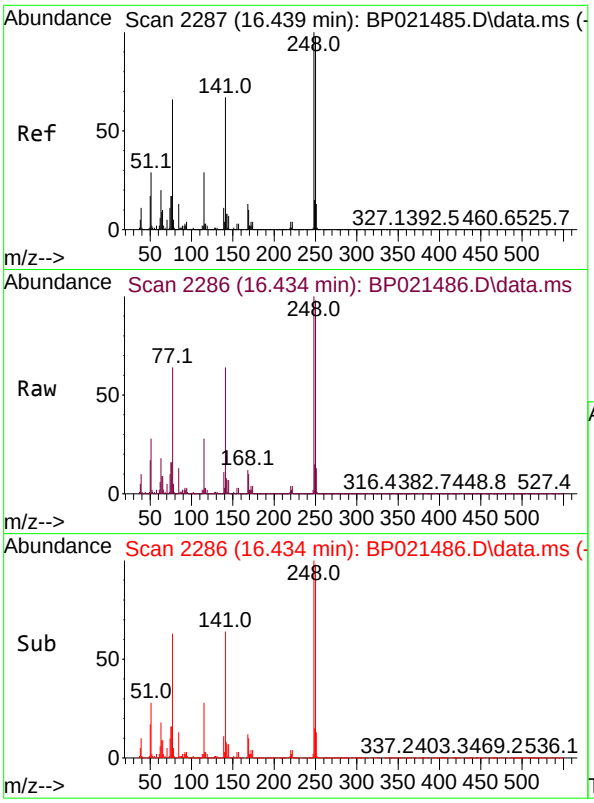


#66
n-Nitrosodiphenylamine
Concen: 48.807 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:169 Resp: 2980276

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.1	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 49.707 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:248 Resp: 119868

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	117.8
141	64.0	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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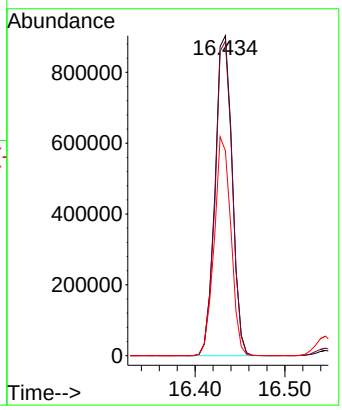
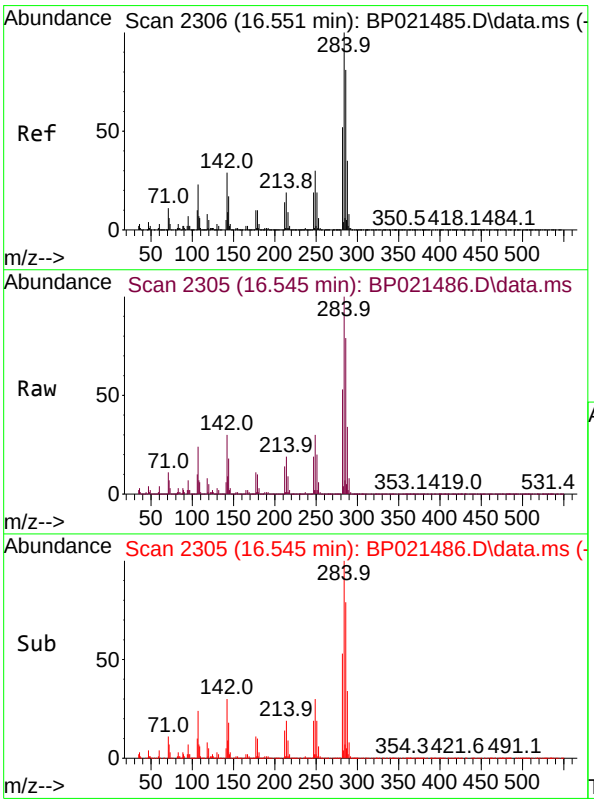
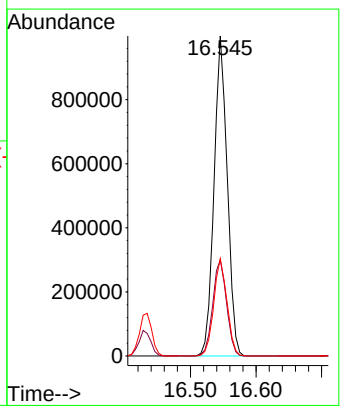


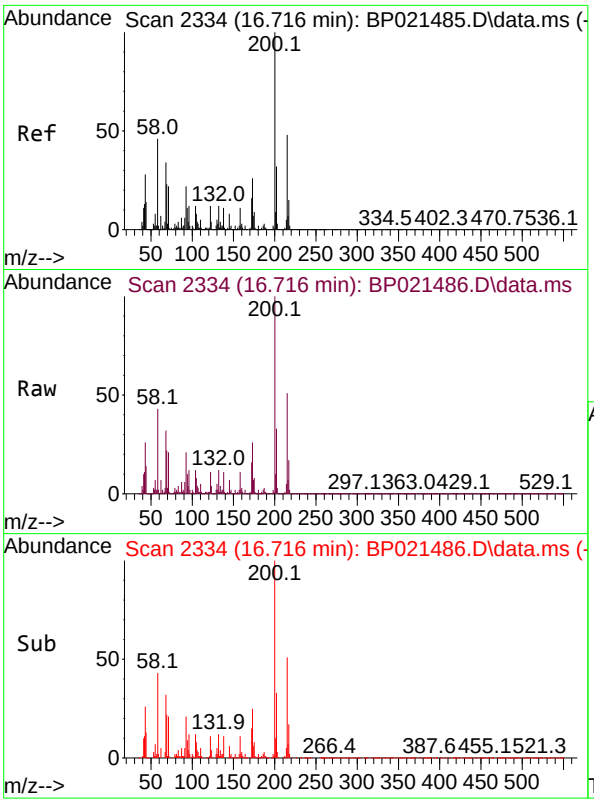


#68
Hexachlorobenzene
Concen: 48.961 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:284 Resp: 1395323

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.4	35.2
249	30.4	24.1	36.1





#69
Atrazine
Concen: 48.608 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 101905

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.2	46.2
215	50.5	28.4	68.4

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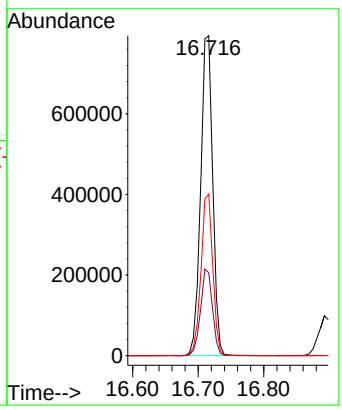
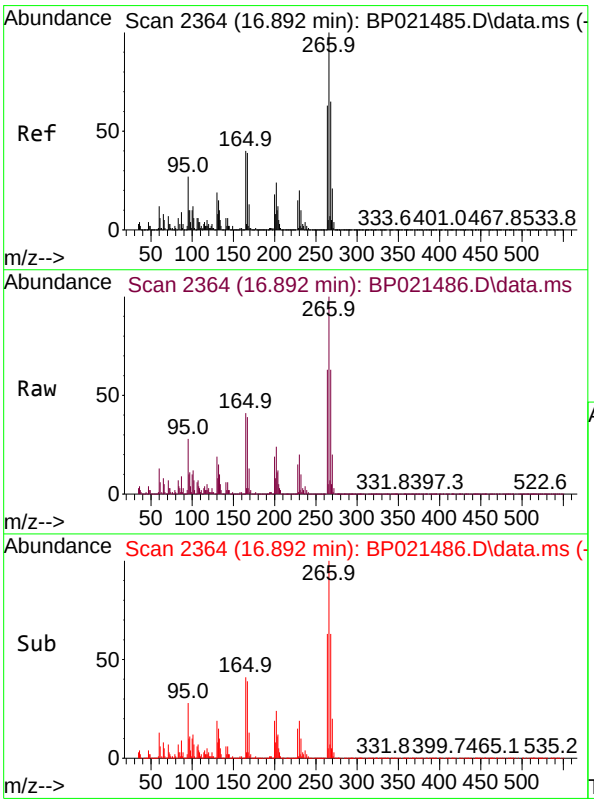
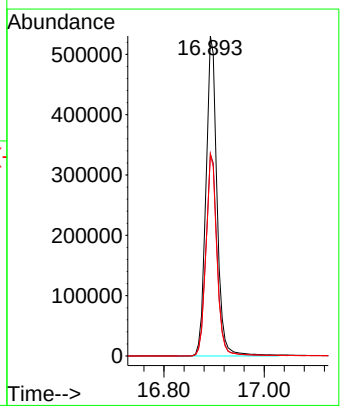


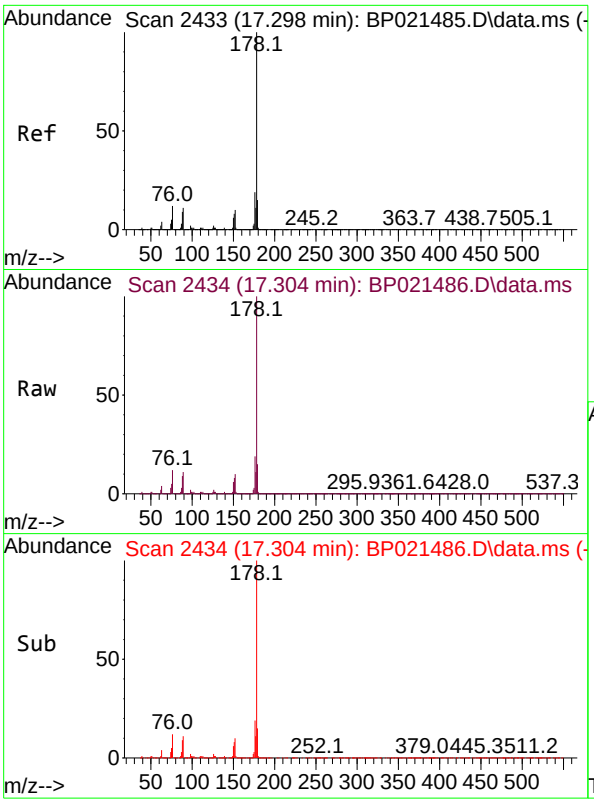


#70
Pentachlorophenol
Concen: 52.206 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:266 Resp: 812046

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.8	77.6
264	63.1	50.5	75.7

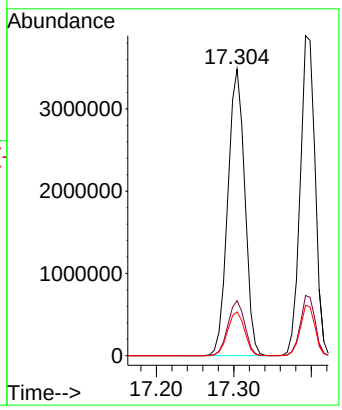




#71
Phenanthrene
Concen: 48.447 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 530889

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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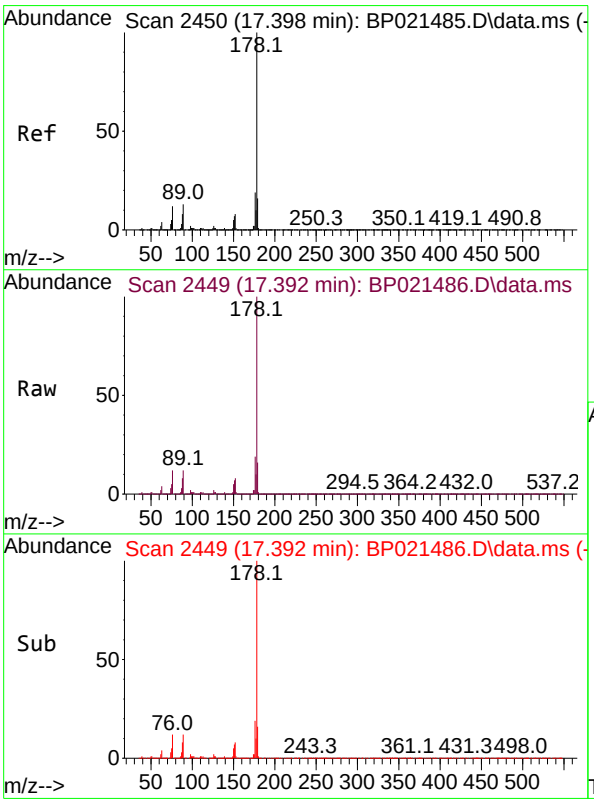
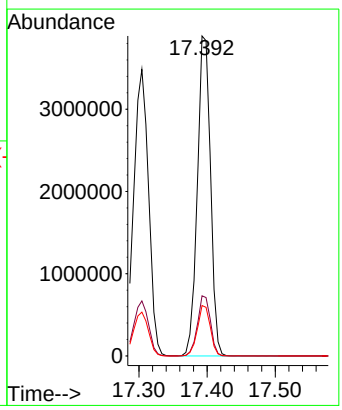
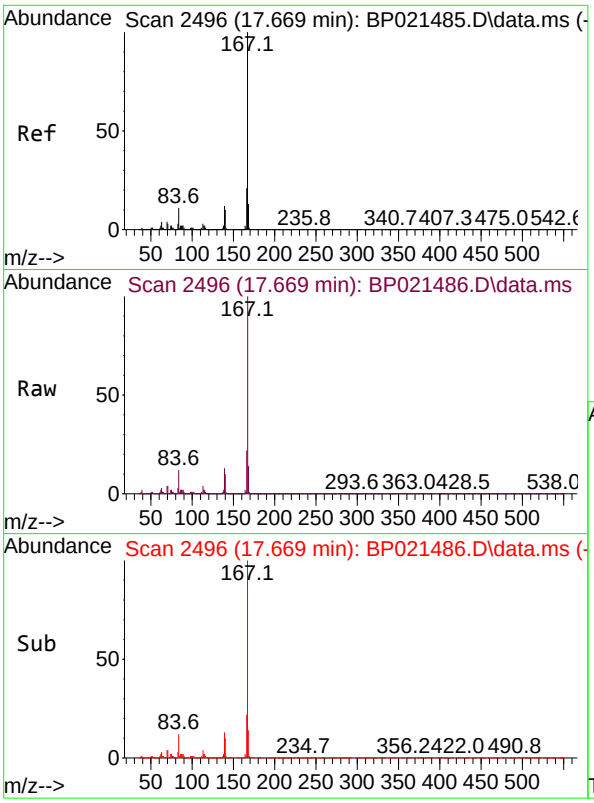


#72
Anthracene
Concen: 48.503 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 5212543

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

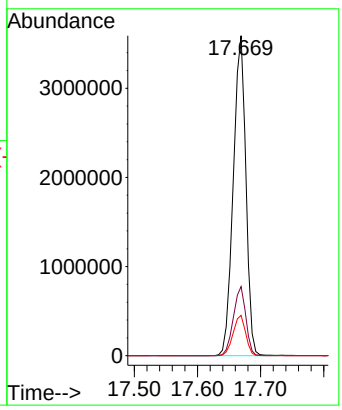




#73
Carbazole
Concen: 48.027 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:167 Resp: 497416

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.6	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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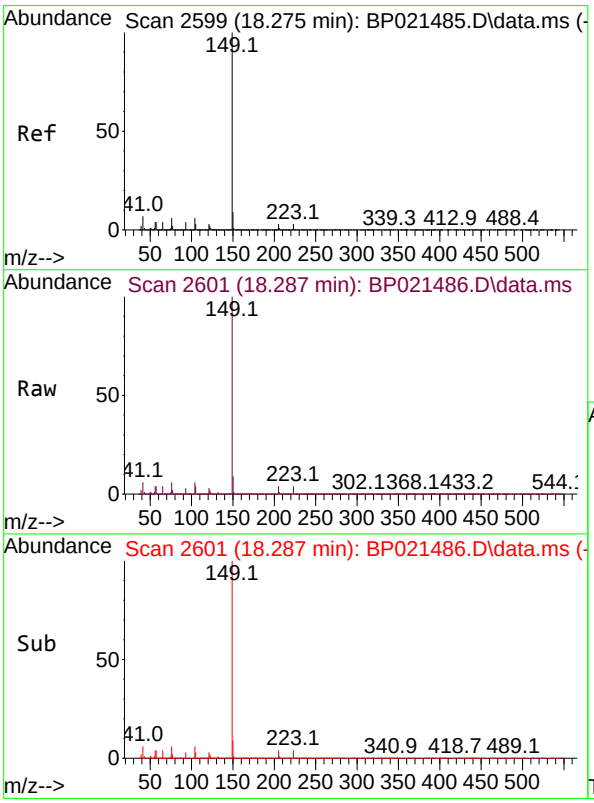
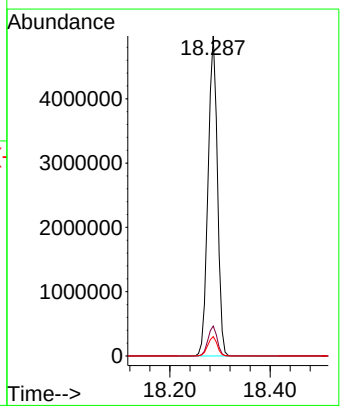
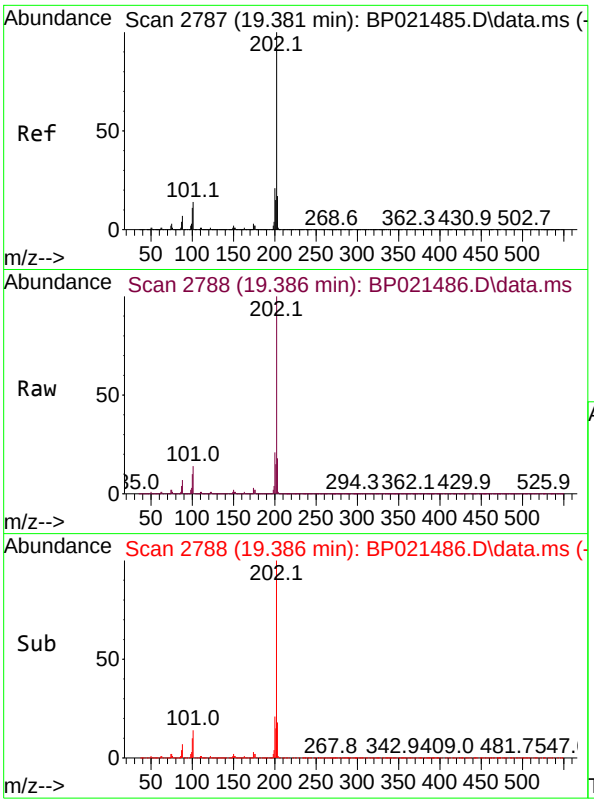


#74
Di-n-butylphthalate
Concen: 50.745 ng
RT: 18.287 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 6454560

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.0	4.9	7.3

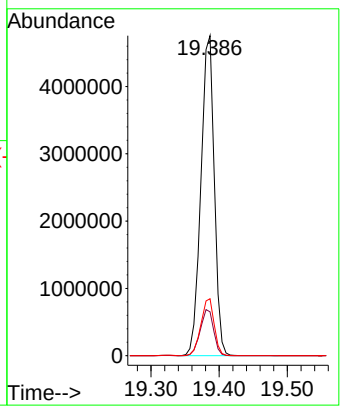




#75
Fluoranthene
Concen: 48.166 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 647613

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.0
203	17.8	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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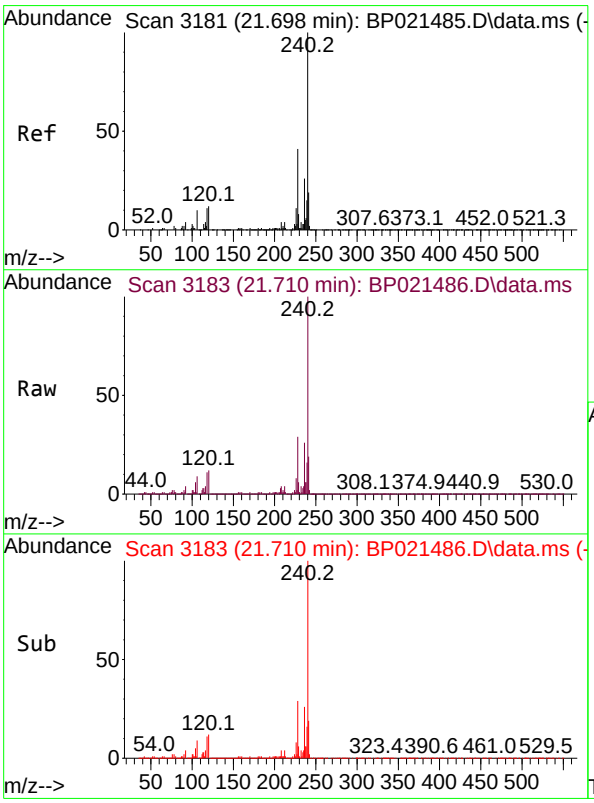
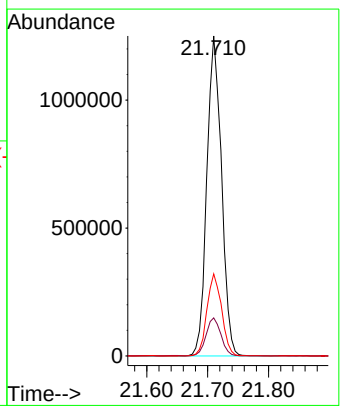
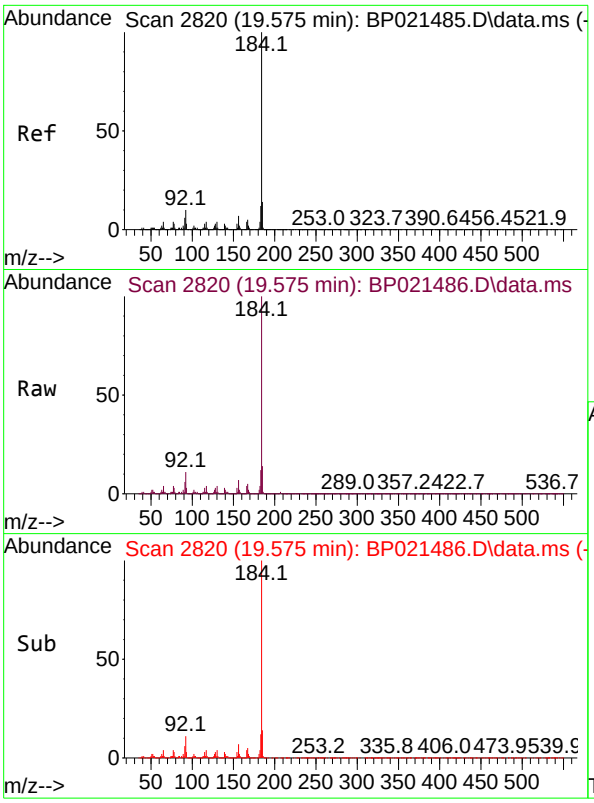


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:240 Resp: 2093381

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	25.7	20.6	30.8

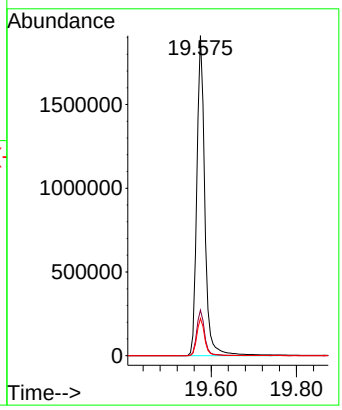




#77
Benzidine
Concen: 52.808 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 249365

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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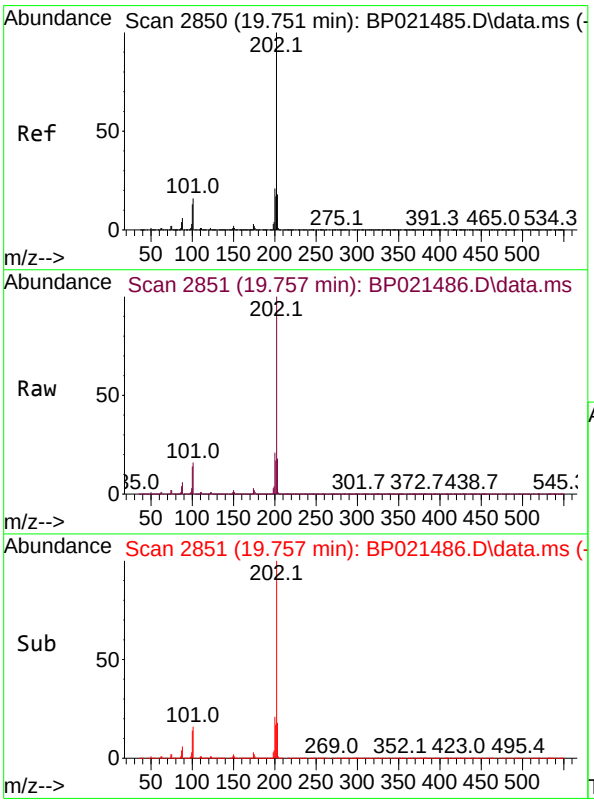
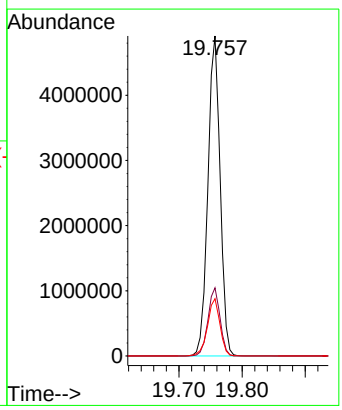
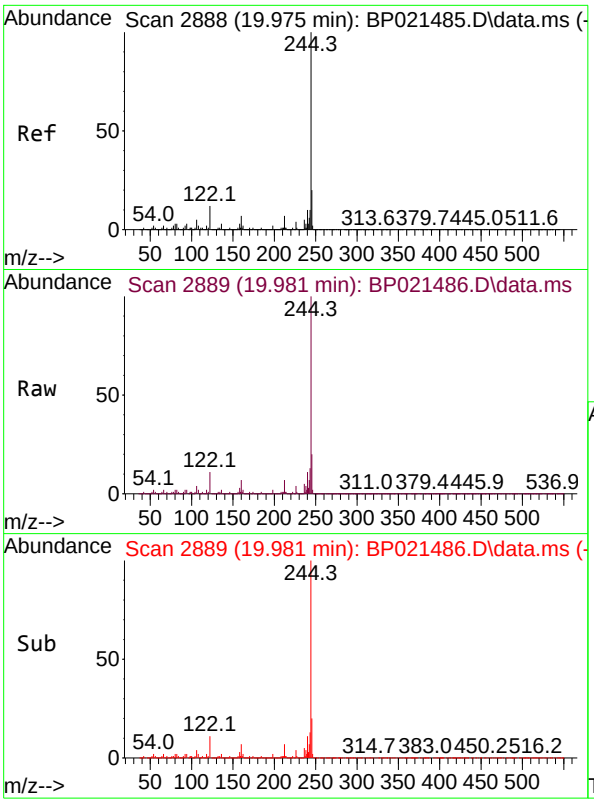


#78
Pyrene
Concen: 48.263 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 6603640

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	14.1	21.1

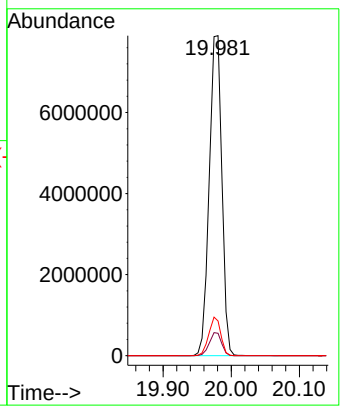




#79
Terphenyl-d14
Concen: 94.554 ng
RT: 19.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:244 Resp:1018862

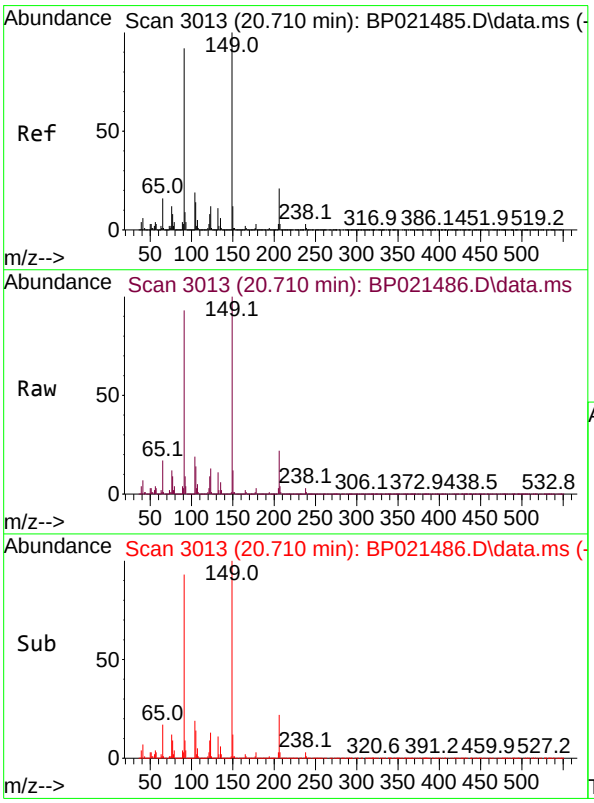
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

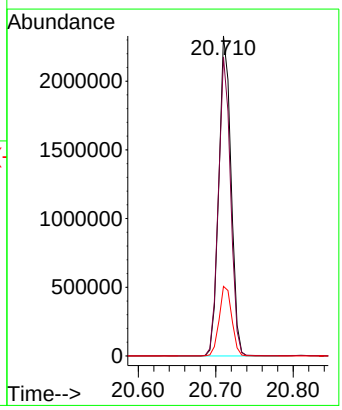
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

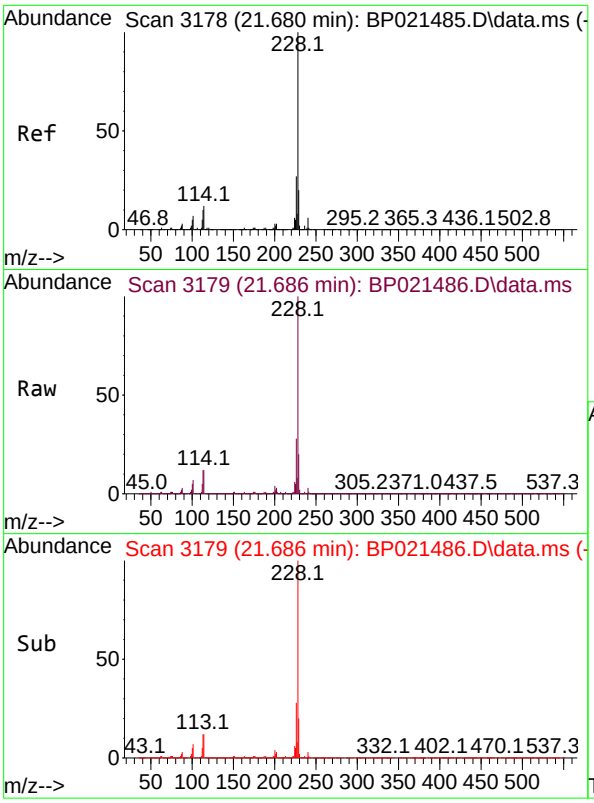


#80
Butylbenzylphthalate
Concen: 49.198 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 2559896

Ion	Ratio	Lower	Upper
149	100		
91	93.4	73.3	109.9
206	21.8	17.1	25.7





#81
Benzo(a)anthracene
Concen: 48.741 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

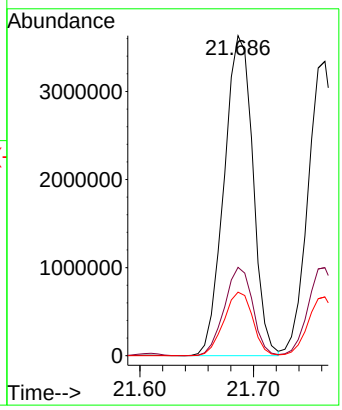
Tgt Ion:228 Resp: 640529

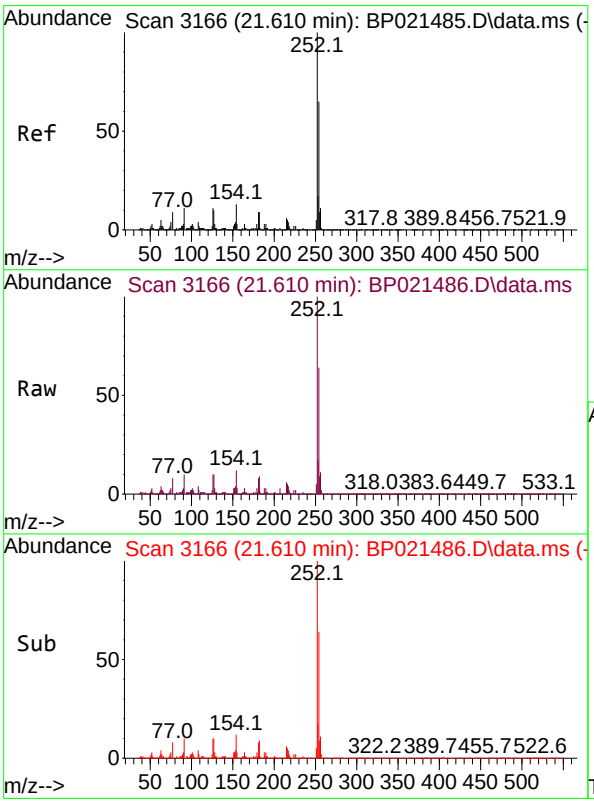
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

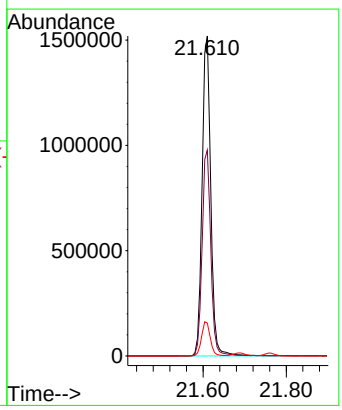


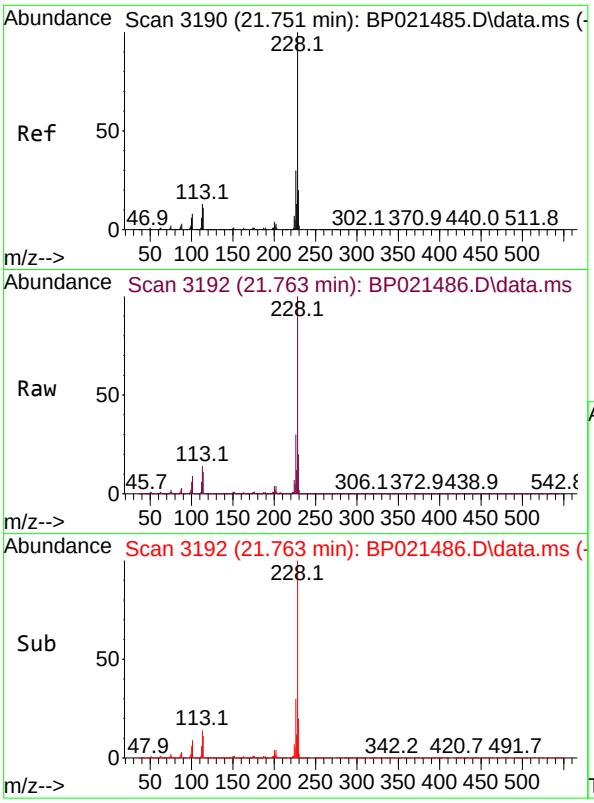


#82
3,3'-Dichlorobenzidine
Concen: 52.013 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 2191535

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	10.3	8.7	13.1

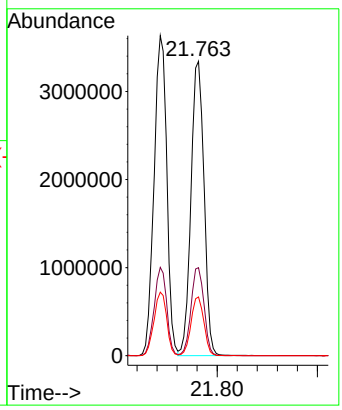




#83
Chrysene
Concen: 48.555 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 602446

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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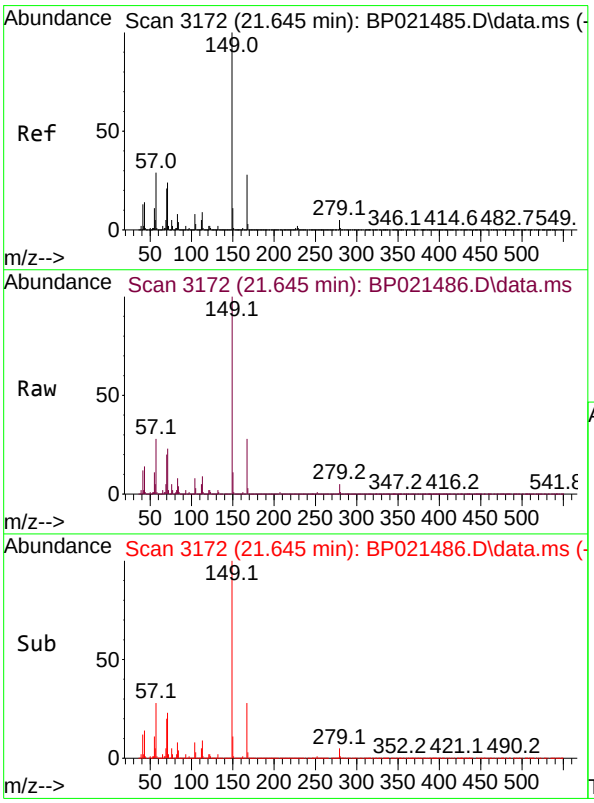
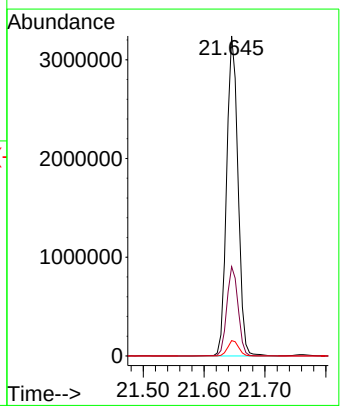
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

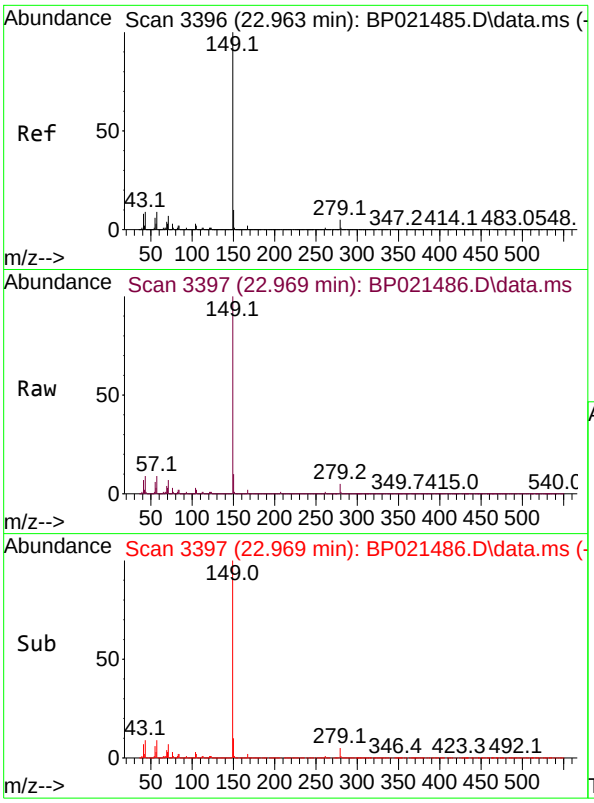


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.143 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 4205342

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.8	3.8	5.6

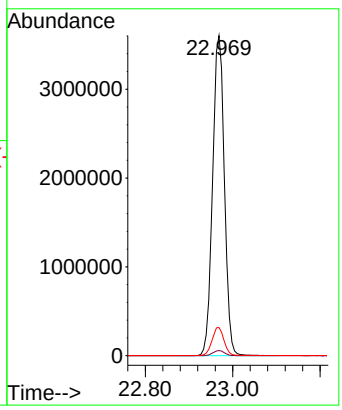




#85
Di-n-octyl phthalate
Concen: 49.144 ng
RT: 22.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 672254

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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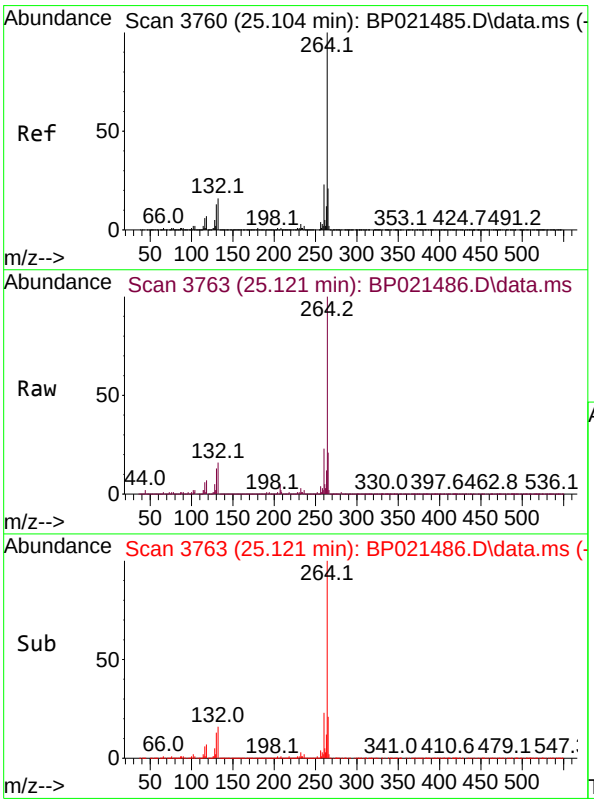
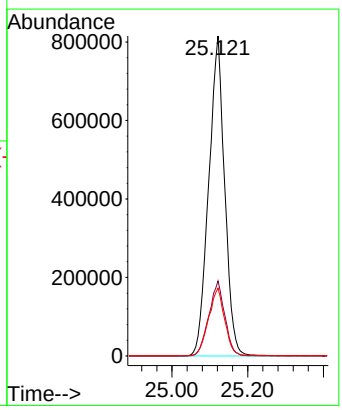
Supervised By :mohammad ahmed 08/14/2024

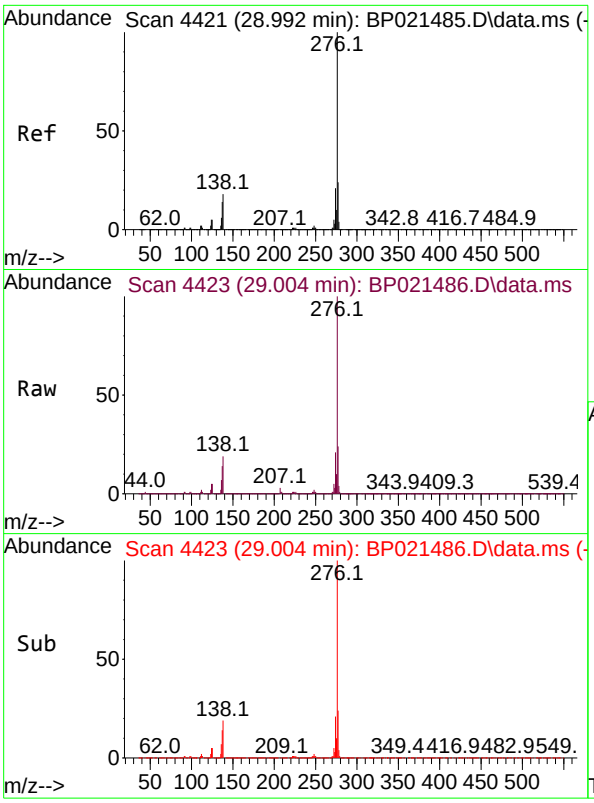


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:264 Resp: 2377136

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.2	17.1	25.7

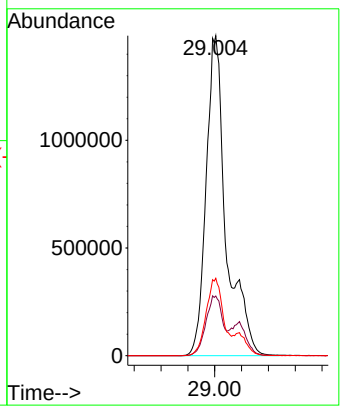




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.025 ng m
RT: 29.004 min Scan# 44
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 770746

Ion	Ratio	Lower	Upper
276	100		
138	15.5	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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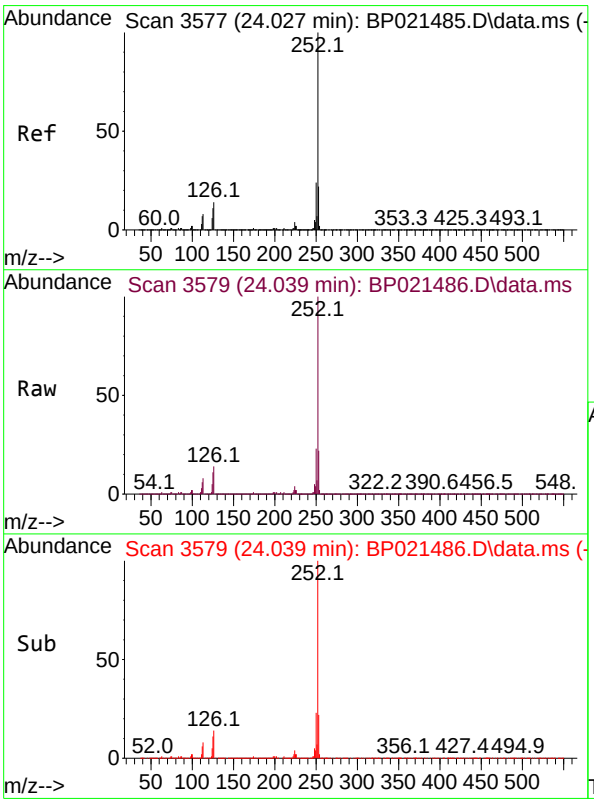
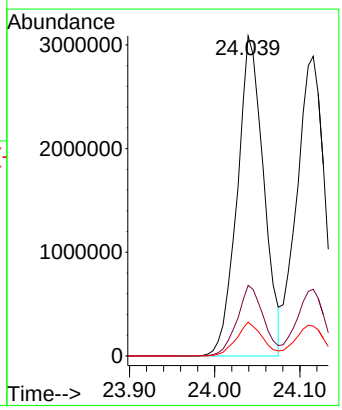
Supervised By :mohammad ahmed 08/14/2024

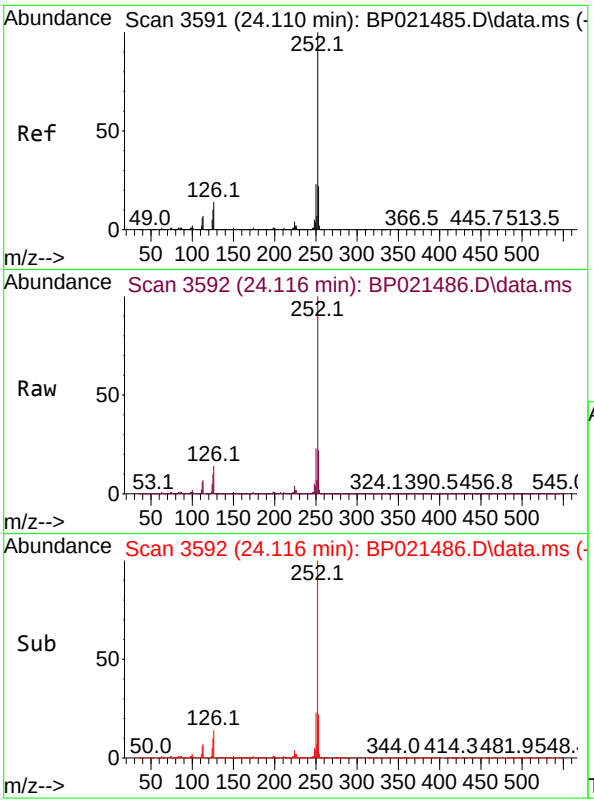


#88
Benzo(b)fluoranthene
Concen: 48.689 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 6647186

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 49.204 ng
RT: 24.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 655298

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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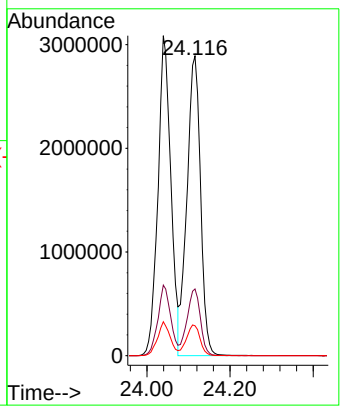
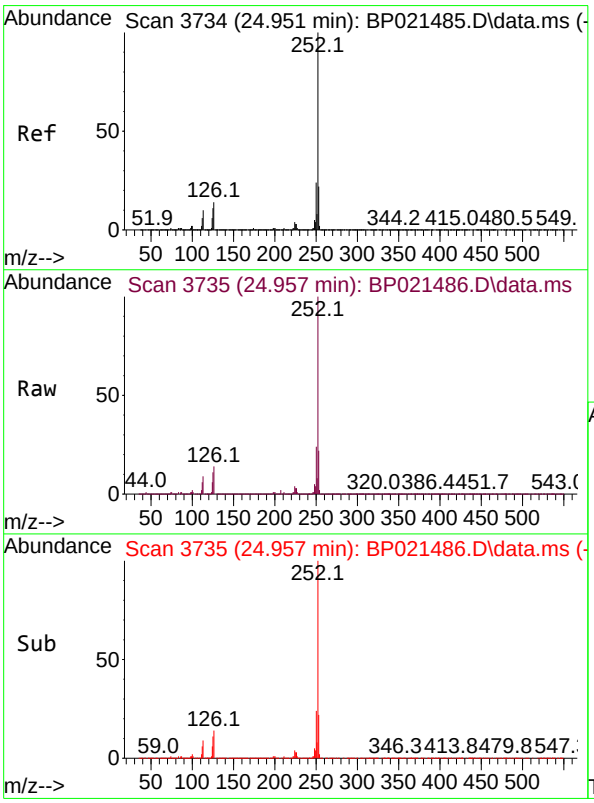
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

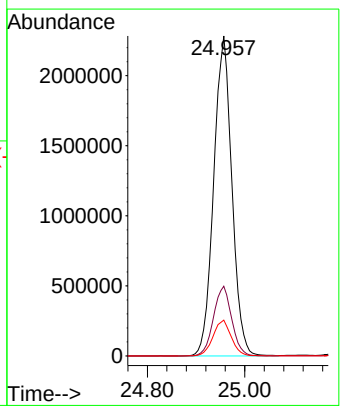


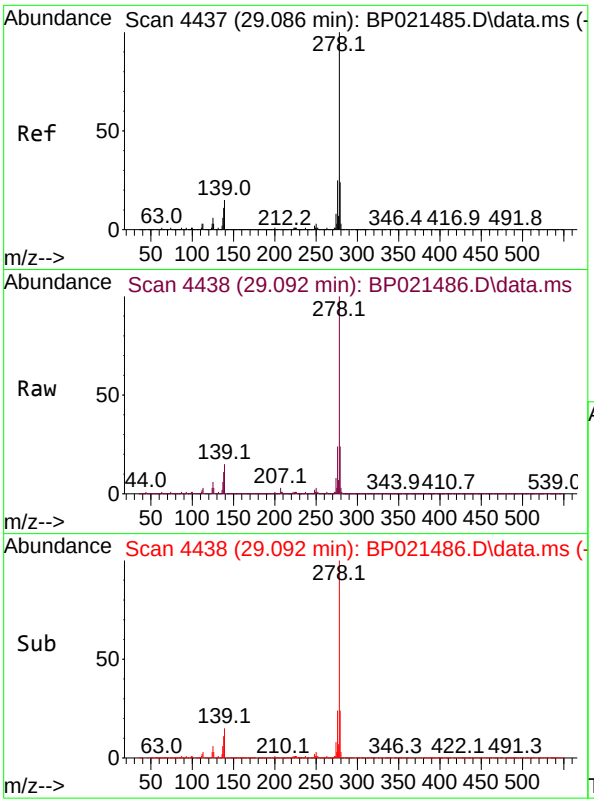


#90
Benzo(a)pyrene
Concen: 49.959 ng
RT: 24.957 min Scan# 3735
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 5918922

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

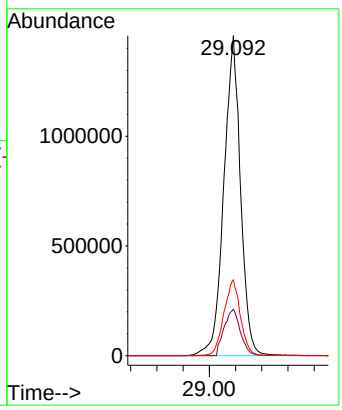




#91
Dibenzo(a,h)anthracene
Concen: 50.151 ng
RT: 29.092 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:278 Resp: 642089

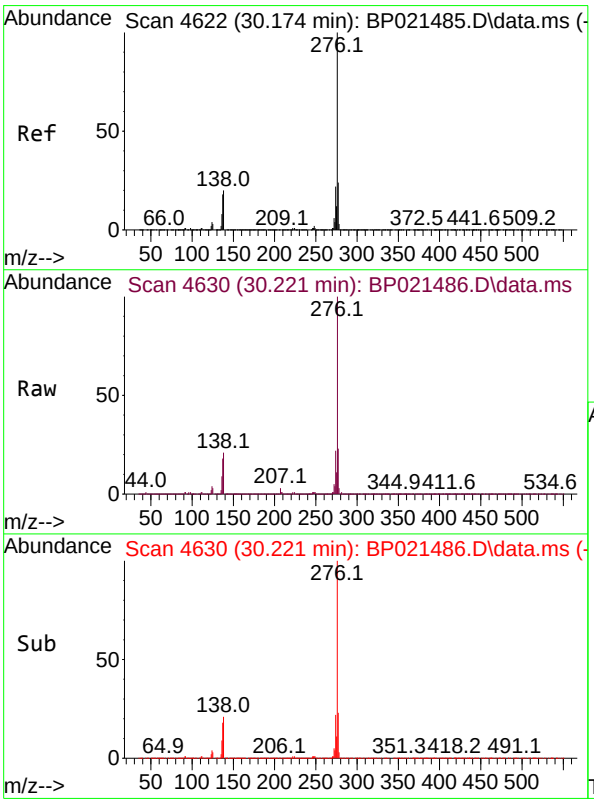
Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

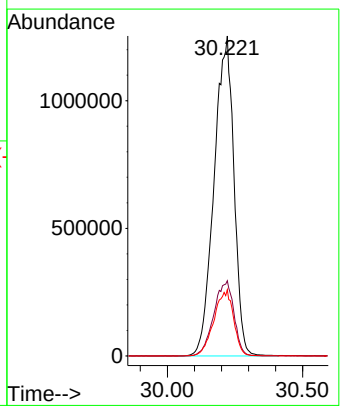
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 49.748 ng
RT: 30.221 min Scan# 4630
Delta R.T. 0.047 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 6383870

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	20.7	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	382208	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1539217	20.000	ng		0.00
39) Acenaphthene-d10	14.457	164	953193	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	1991489	20.000	ng		0.00
76) Chrysene-d12	21.710	240	1907005	20.000	ng		0.01
86) Perylene-d12	25.121	264	2191159	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3212821	124.817	ng		0.00
7) Phenol-d6	6.963	99	4582988	122.053	ng		0.00
23) Nitrobenzene-d5	8.957	82	4024825	134.966	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	1401053	132.067	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	7484438	119.833	ng		0.00
79) Terphenyl-d14	19.986	244	11374626	115.877	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	739240	60.569	ng		99
3) Pyridine	3.705	79	2102990m	61.723	ng		
4) n-Nitrosodimethylamine	3.622	42	625716	61.099	ng		99
6) Aniline	7.134	93	2239942	59.670	ng		100
8) 2-Chlorophenol	7.375	128	1472845	61.917	ng		98
9) Benzaldehyde	6.946	77	1212390	50.428	ng		98
10) Phenol	6.993	94	2381743	61.254	ng		98
11) bis(2-Chloroethyl)ether	7.234	93	1938063	58.905	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1682261	59.538	ng		100
13) 1,4-Dichlorobenzene	7.846	146	1709124	59.904	ng		99
14) 1,2-Dichlorobenzene	8.157	146	1624118	59.070	ng		100
15) Benzyl Alcohol	8.034	79	1647924	61.166	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1756837	57.982	ng		100
17) 2-Methylphenol	8.234	107	1477294	60.098	ng		99
18) Hexachloroethane	8.893	117	704431	61.570	ng		99
19) n-Nitroso-di-n-propyla...	8.610	70	1457549	56.194	ng		99
20) 3+4-Methylphenols	8.563	107	2028575	61.202	ng		99
22) Acetophenone	8.616	105	2813557	59.500	ng	#	99
24) Nitrobenzene	8.999	77	2126322	65.650	ng		98
25) Isophorone	9.522	82	4092218	58.086	ng		99
26) 2-Nitrophenol	9.704	139	554873	60.117	ng		99
27) 2,4-Dimethylphenol	9.763	122	1074335	61.792	ng		97
28) bis(2-Chloroethoxy)met...	10.004	93	2556281	59.443	ng		100
29) 2,4-Dichlorophenol	10.234	162	1331749	64.829	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	1609924	61.128	ng		98
31) Naphthalene	10.646	128	4829277	60.059	ng		99
32) Benzoic acid	9.904	122	775935	61.192	ng		99
33) 4-Chloroaniline	10.746	127	1798121	59.532	ng		99
34) Hexachlorobutadiene	10.940	225	1011679	61.008	ng		99
35) Caprolactam	11.510	113	522232	61.084	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	1746318	61.283	ng		98
37) 2-Methylnaphthalene	12.257	142	3238044	59.003	ng		99
38) 1-Methylnaphthalene	12.475	142	3163697	58.451	ng		99
40) 1,2,4,5-Tetrachloroben...	12.634	216	1762492	63.107	ng		100
41) Hexachlorocyclopentadiene	12.622	237	610821	69.006	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	1050099	67.687	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1165351	67.609	ng		98
46) 1,1'-Biphenyl	13.275	154	4097218	60.754	ng		100
47) 2-Chloronaphthalene	13.316	162	3228869	61.498	ng		99
48) 2-Nitroaniline	13.504	65	940456	62.204	ng		99
49) Acenaphthylene	14.175	152	4669645	60.501	ng		100
50) Dimethylphthalate	13.904	163	3832687	60.041	ng		100
51) 2,6-Dinitrotoluene	14.016	165	805457	61.336	ng		99
52) Acenaphthene	14.522	154	3066208	60.546	ng		98
53) 3-Nitroaniline	14.345	138	797905	61.781	ng		99
54) 2,4-Dinitrophenol	14.545	184	242951	61.764	ng		95
55) Dibenzofuran	14.857	168	4594089	58.970	ng		99
56) 4-Nitrophenol	14.639	139	644221	62.066	ng		93
57) 2,4-Dinitrotoluene	14.816	165	1034061	61.548	ng	#	94
58) Fluorene	15.522	166	3759913	58.748	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.086	232	973647	66.550	ng		99
60) Diethylphthalate	15.292	149	3911032	59.713	ng		100
61) 4-Chlorophenyl-phenyle...	15.528	204	1945714	58.814	ng		97
62) 4-Nitroaniline	15.534	138	824354	62.407	ng		98
63) Azobenzene	15.822	77	4711824	58.524	ng		98
65) 4,6-Dinitro-2-methylph...	15.586	198	410096	61.846	ng		98
66) n-Nitrosodiphenylamine	15.734	169	3192615	59.821	ng		100
67) 4-Bromophenyl-phenylether	16.433	248	1286048	61.016	ng		97
68) Hexachlorobenzene	16.551	284	1505847	60.456	ng		100
69) Atrazine	16.710	200	1088343	59.397	ng		99
70) Pentachlorophenol	16.892	266	899879	66.192	ng		99
71) Phenanthrene	17.292	178	5685784	59.366	ng		100
72) Anthracene	17.392	178	5636907	60.013	ng		100
73) Carbazole	17.675	167	5454823	60.260	ng		99
74) Di-n-butylphthalate	18.269	149	6834417	61.477	ng		100
75) Fluoranthene	19.380	202	7044903	59.949	ng		99
77) Benzidine	19.569	184	2334836	54.599	ng		100
78) Pyrene	19.757	202	7263907	58.277	ng		100
80) Butylbenzylphthalate	20.710	149	2906885	60.438	ng		98
81) Benzo(a)anthracene	21.692	228	7119658	59.472	ng		99
82) 3,3'-Dichlorobenzidine	21.598	252	2455338	63.969	ng		100
83) Chrysene	21.757	228	6762569	59.831	ng		99
84) Bis(2-ethylhexyl)phtha...	21.645	149	4576797	64.685	ng		100
85) Di-n-octyl phthalate	22.968	149	7622203	59.983	ng		99
87) Indeno(1,2,3-cd)pyrene	28.998	276	9100343m	64.078	ng		
88) Benzo(b)fluoranthene	24.045	252	7812709	62.083	ng		99
89) Benzo(k)fluoranthene	24.121	252	7561966	61.599	ng		99
90) Benzo(a)pyrene	24.974	252	6839630	62.630	ng		99
91) Dibenzo(a,h)anthracene	29.103	278	7520005	63.721	ng		100
92) Benzo(g,h,i)perylene	30.203	276	7563028	63.940	ng		100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

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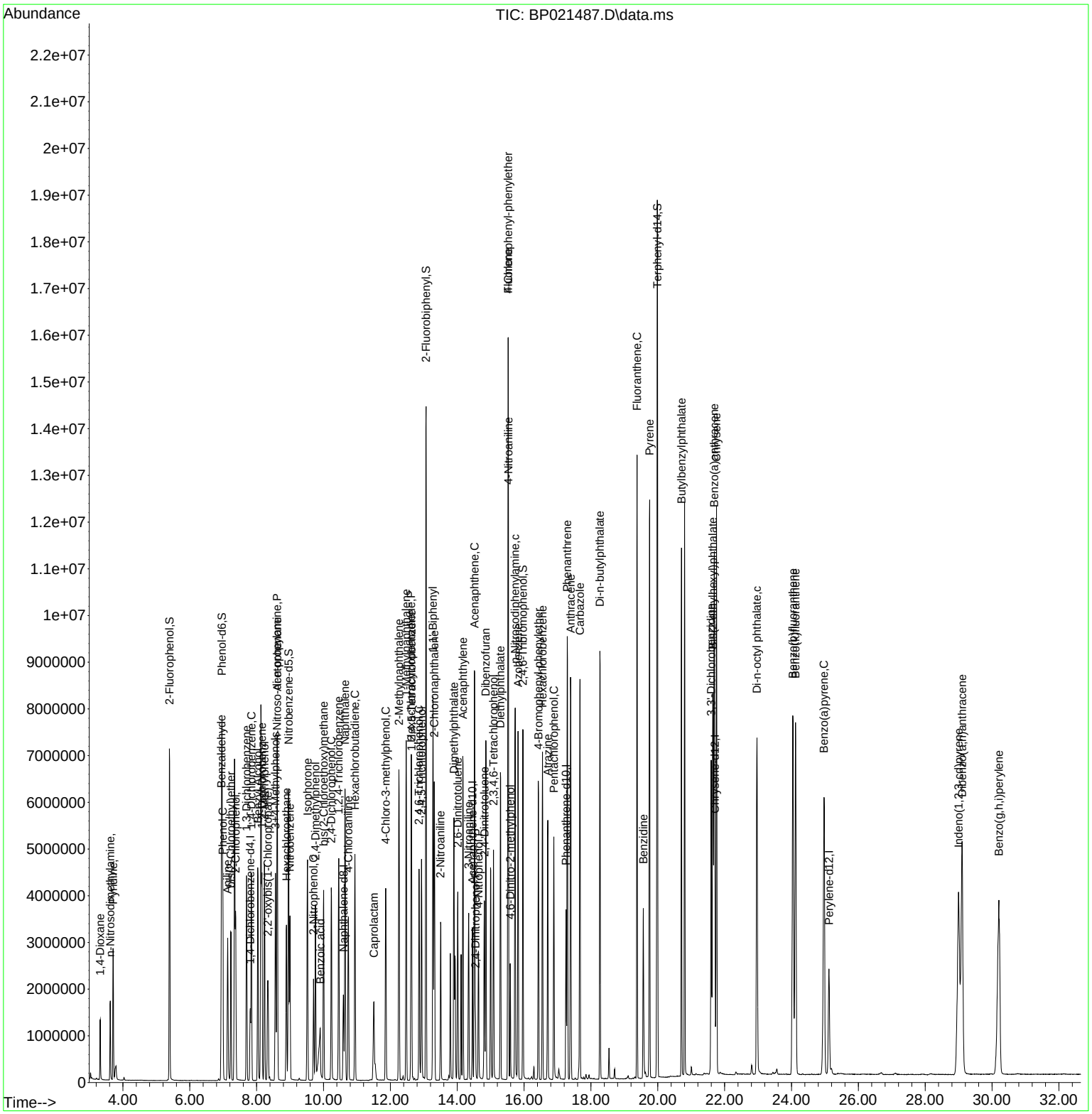
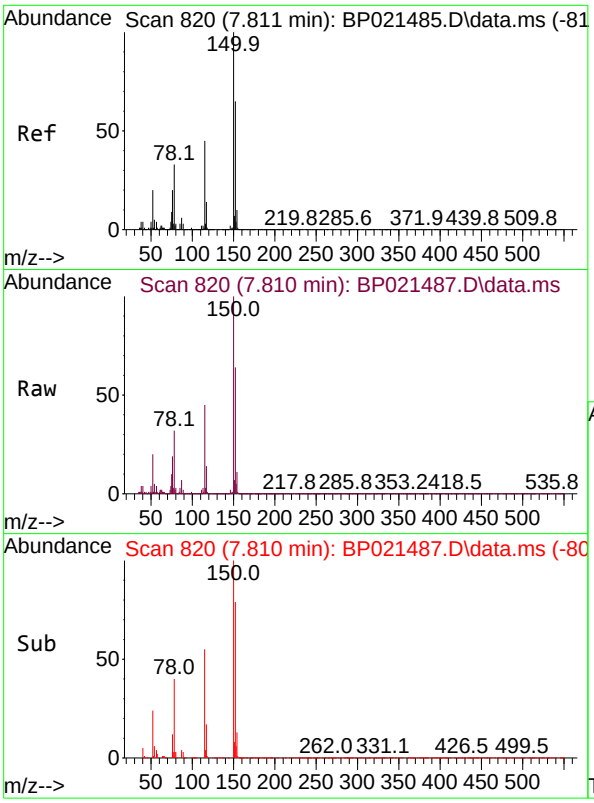
Supervised By :mohammad ahmed 08/14/2024

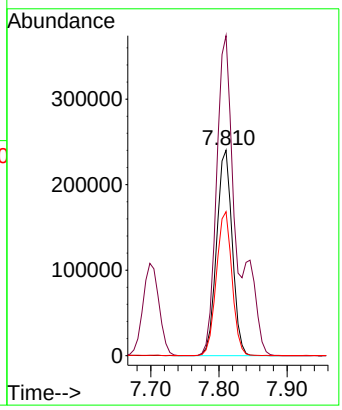




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:152 Resp: 38220

Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.1	54.7	82.1



Instrument :
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ClientSampleId :
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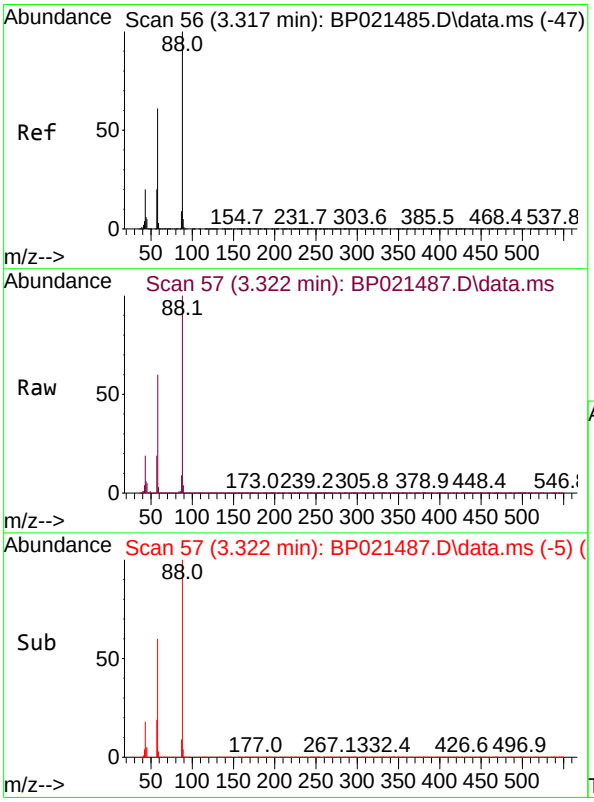
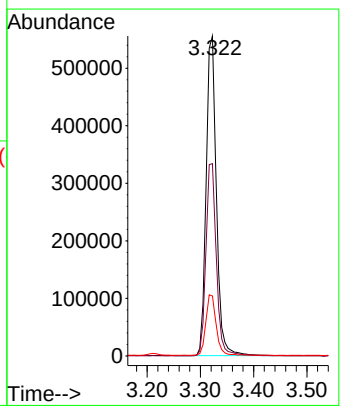
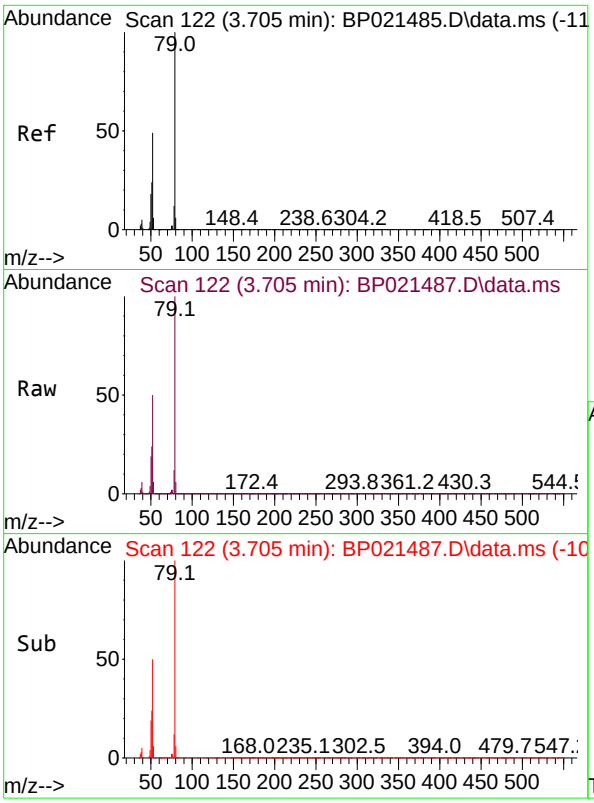


#2
1,4-Dioxane
Concen: 60.569 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 88 Resp: 739240

Ion	Ratio	Lower	Upper
88	100		
58	61.4	48.7	73.1
43	19.1	15.4	23.2

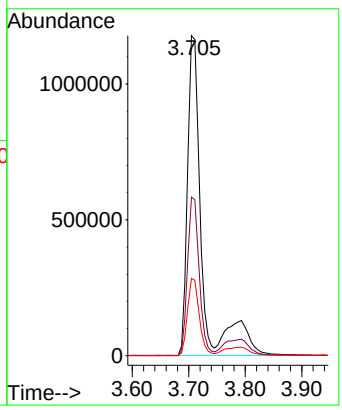




#3
Pyridine
Concen: 61.723 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 210299

Ion	Ratio	Lower	Upper
79	100		
52	49.5	39.0	58.6
51	24.1	19.2	28.8



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ClientSampleId :
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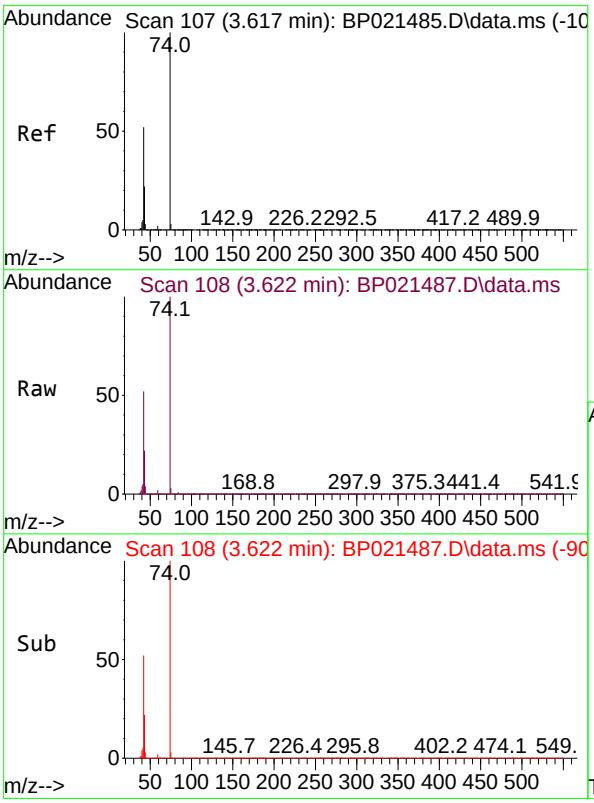
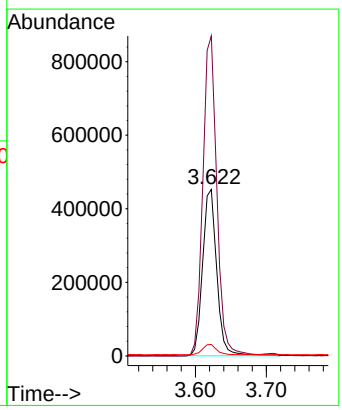
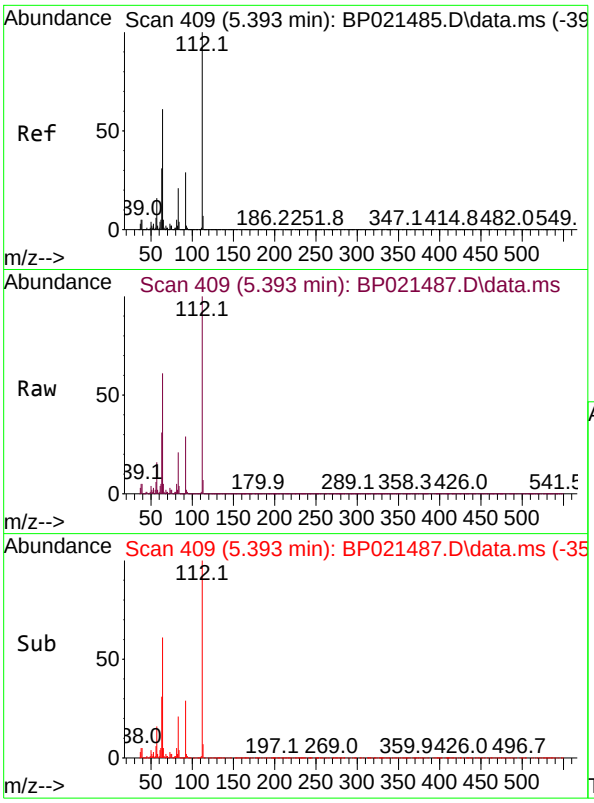


#4
n-Nitrosodimethylamine
Concen: 61.099 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 42 Resp: 625716

Ion	Ratio	Lower	Upper
42	100		
74	192.1	154.3	231.5
44	7.0	6.2	9.4

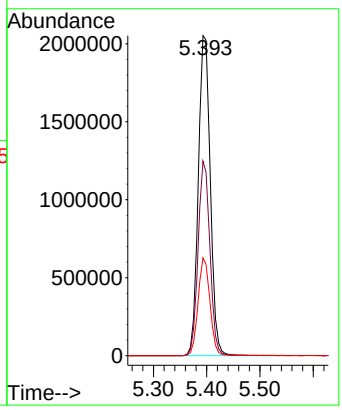




#5
2-Fluorophenol
Concen: 124.817 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:112 Resp: 321282

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
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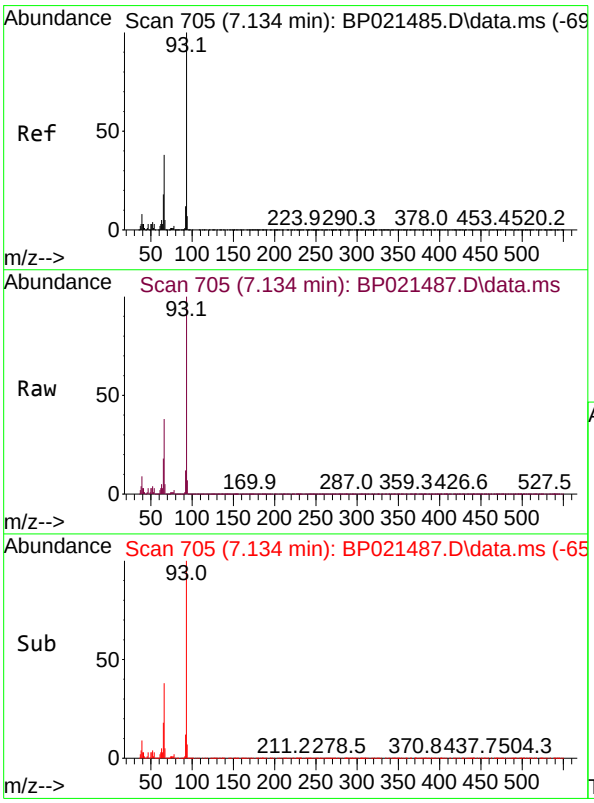
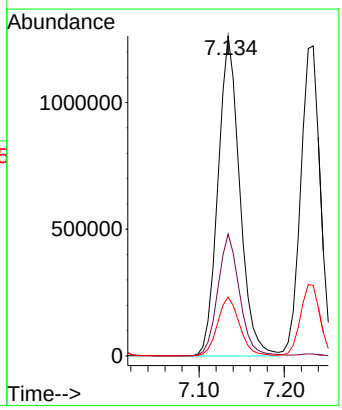
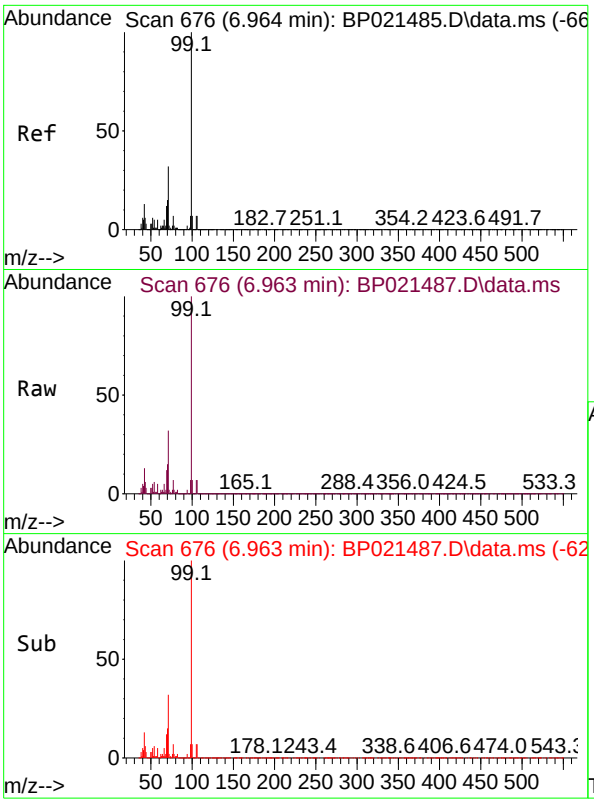


#6
Aniline
Concen: 59.670 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2239942

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.2	45.2
65	18.4	14.7	22.1

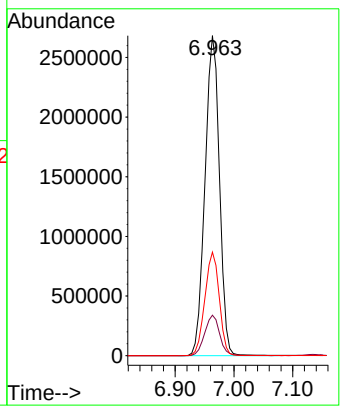




#7
Phenol-d6
Concen: 122.053 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 99 Resp: 458298

Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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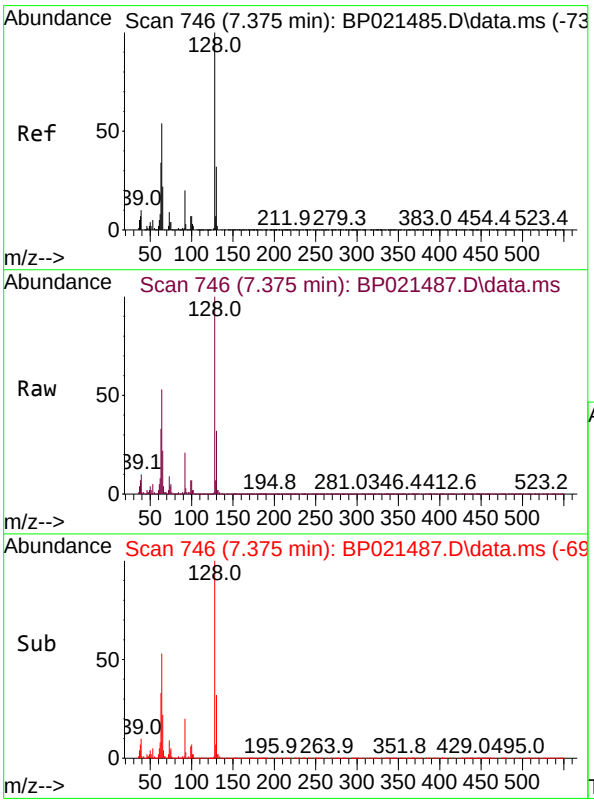
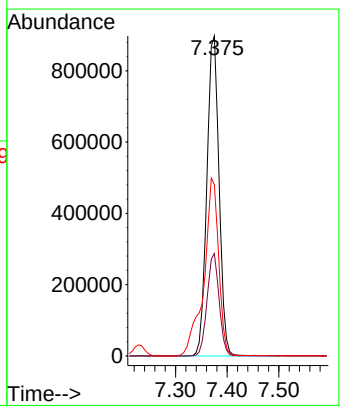
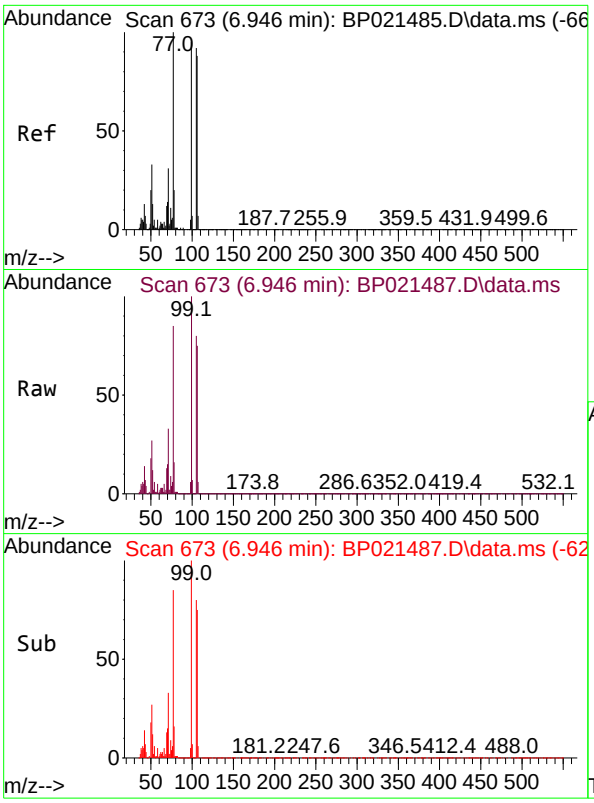


#8
2-Chlorophenol
Concen: 61.917 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 1472845

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.6	51.6
64	53.5	35.3	75.3

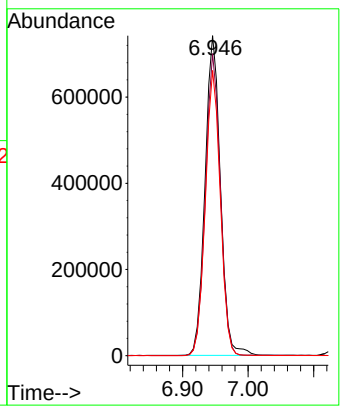




#9
Benzaldehyde
Concen: 50.428 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 121239

Ion	Ratio	Lower	Upper
77	100		
105	94.4	72.1	112.1
106	89.1	67.9	107.9



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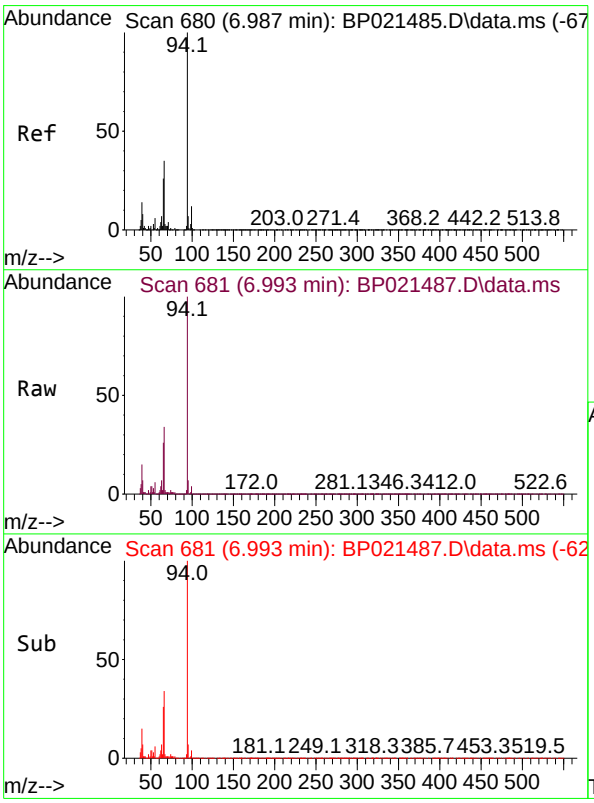
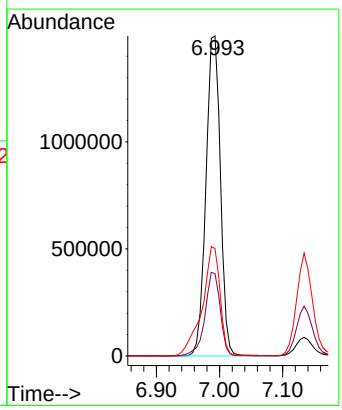
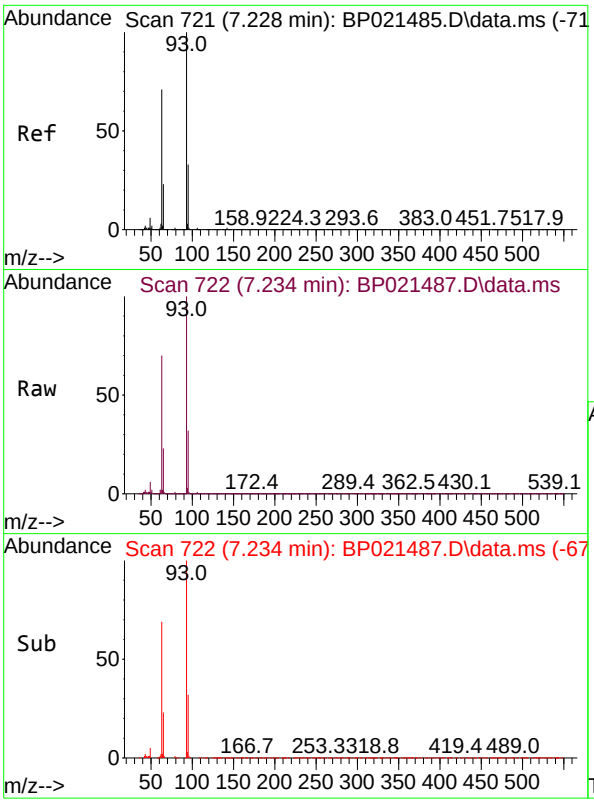


#10
Phenol
Concen: 61.254 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 94 Resp: 2381743

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.6	14.7	54.7

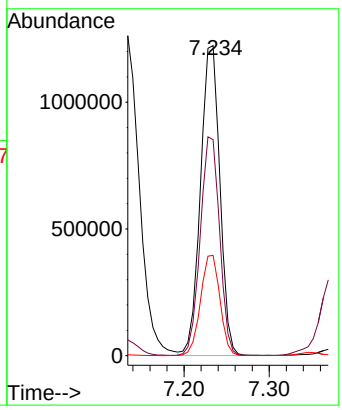




#11
bis(2-Chloroethyl)ether
Concen: 58.905 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 193806

Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.4	12.9	52.9



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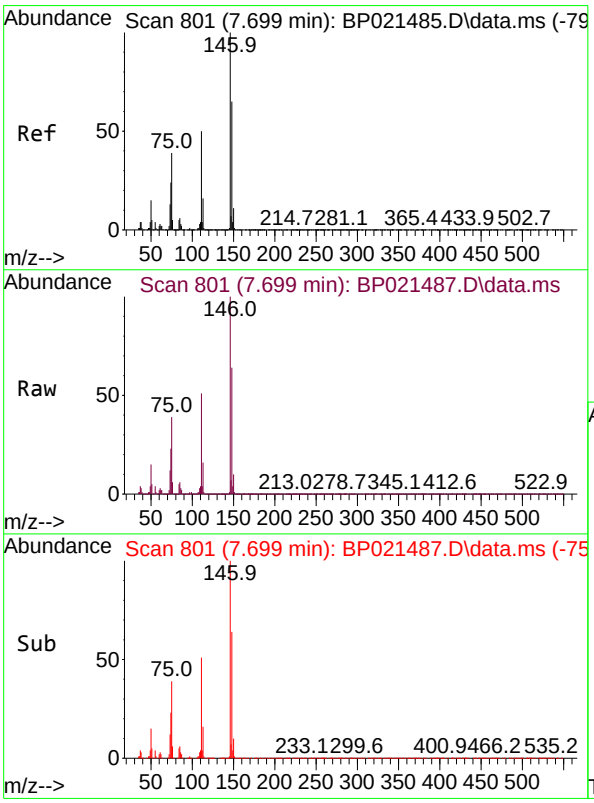
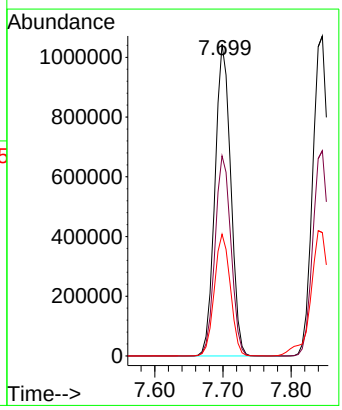
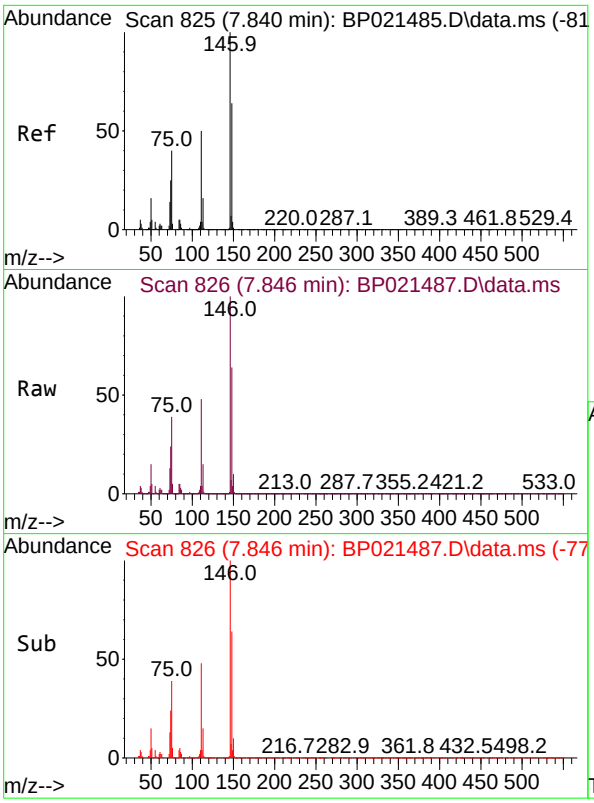


#12
1,3-Dichlorobenzene
Concen: 59.538 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1682261

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.6
75	39.1	31.3	46.9

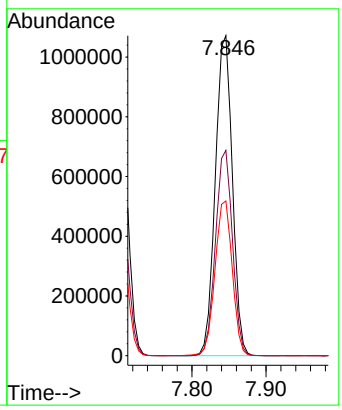




#13
1,4-Dichlorobenzene
Concen: 59.904 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 170912

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	48.4	40.3	60.5



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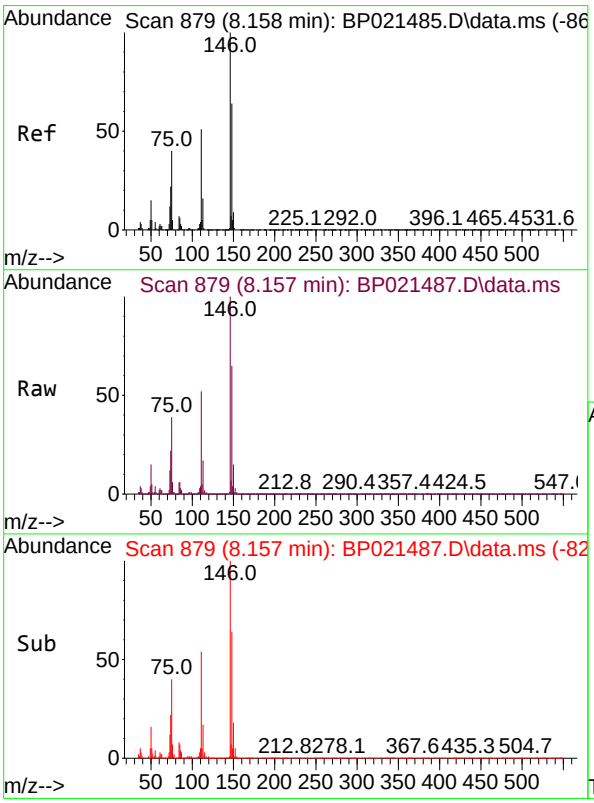
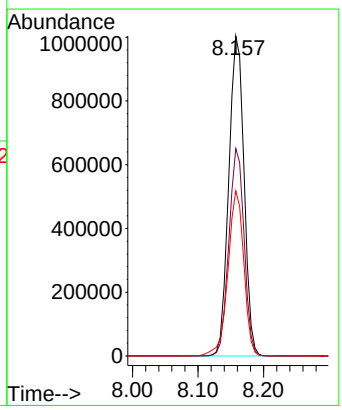
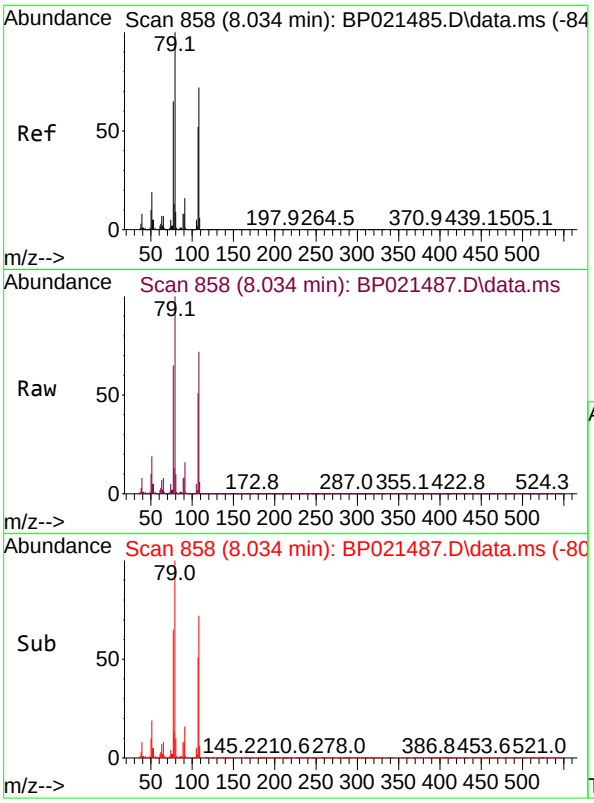


#14
1,2-Dichlorobenzene
Concen: 59.070 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1624118

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.5	77.3
111	51.6	41.1	61.7

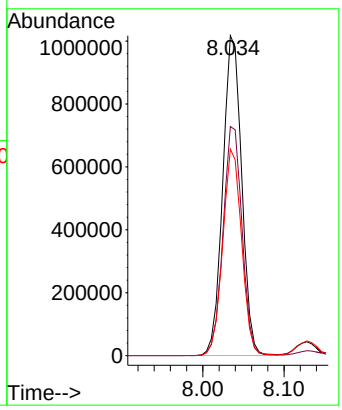




#15
Benzyl Alcohol
Concen: 61.166 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 164792

Ion	Ratio	Lower	Upper
79	100		
108	71.6	57.9	86.9
77	64.5	51.8	77.8



Instrument :
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ClientSampleId :
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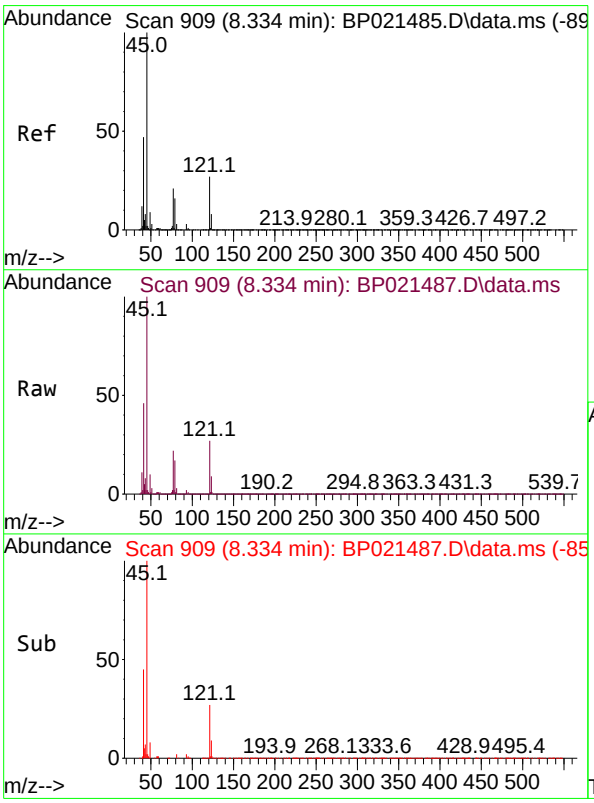
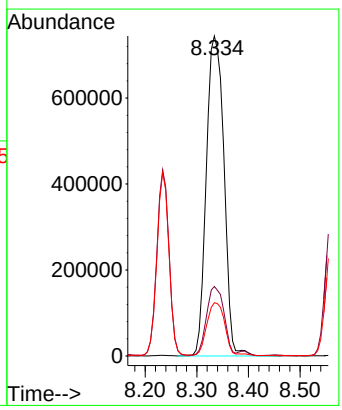
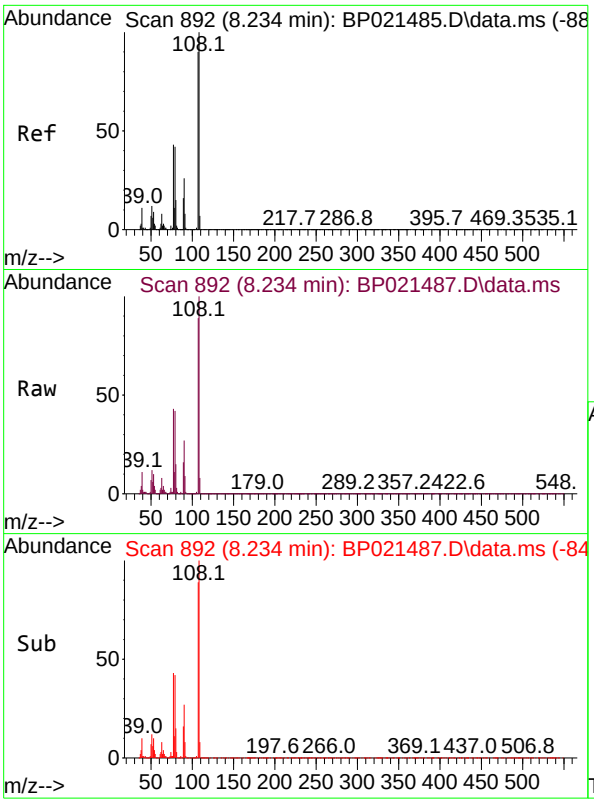


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.982 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 45 Resp: 1756837

Ion	Ratio	Lower	Upper
45	100		
77	21.7	1.9	41.9
79	16.6	0.0	36.6

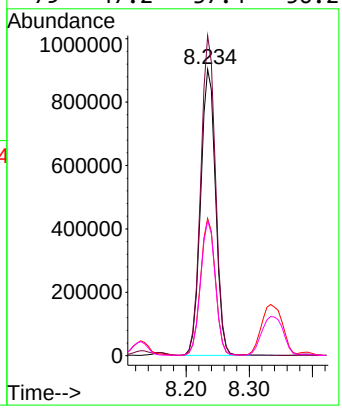




#17
2-Methylphenol
Concen: 60.098 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 147729

Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.8	133.2
77	48.0	38.7	58.1
79	47.2	37.4	56.2



Instrument :
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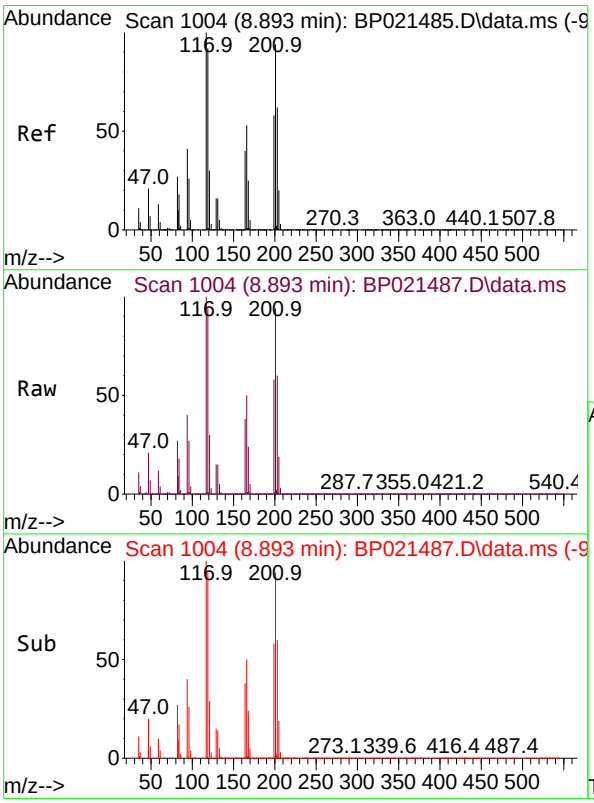
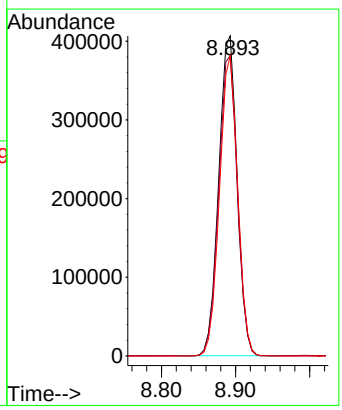
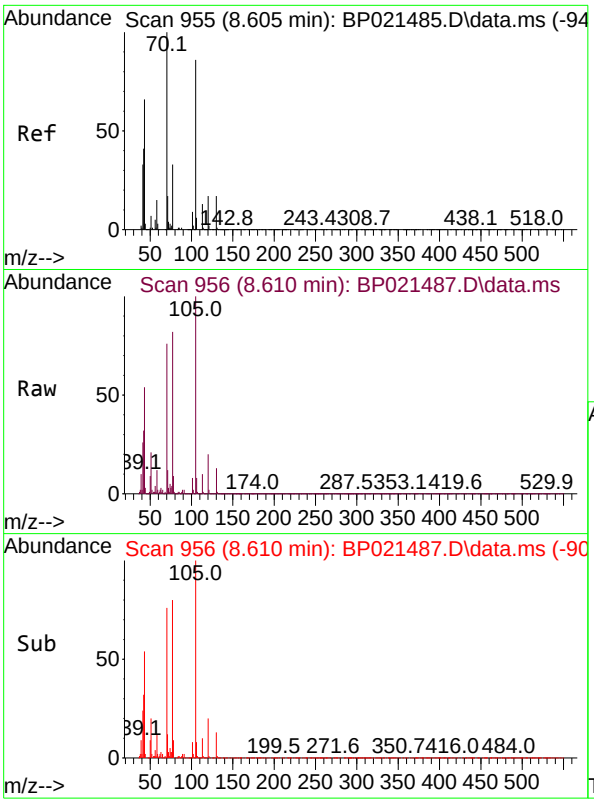


#18
Hexachloroethane
Concen: 61.570 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:117 Resp: 704431

Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.9	110.9
201	93.8	74.9	112.3

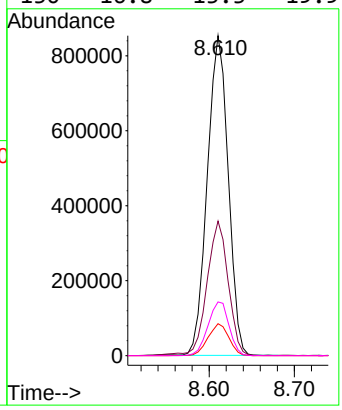




#19
n-Nitroso-di-n-propylamine
Concen: 56.194 ng
RT: 8.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 70 Resp: 145754

Ion	Ratio	Lower	Upper
70	100		
42	42.0	33.1	49.7
101	10.0	7.4	11.2
130	16.8	13.3	19.9



Instrument :
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ClientSampleId :
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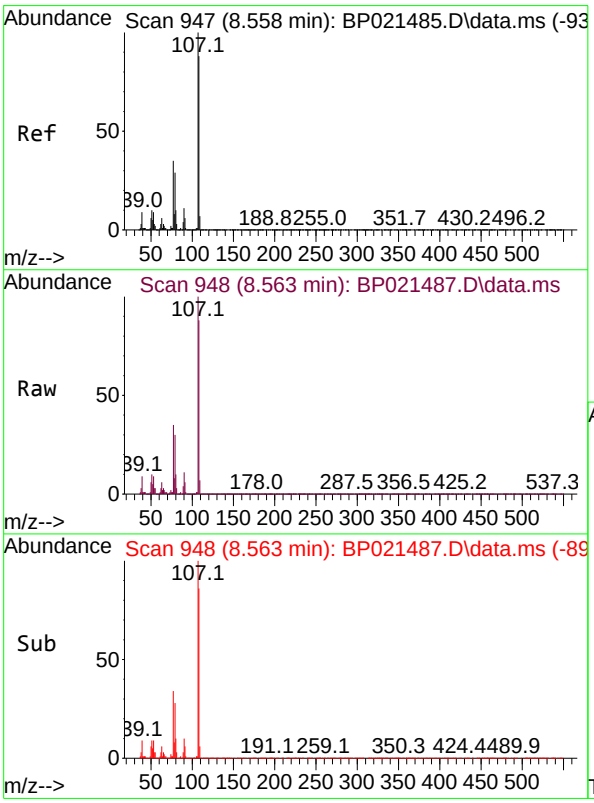
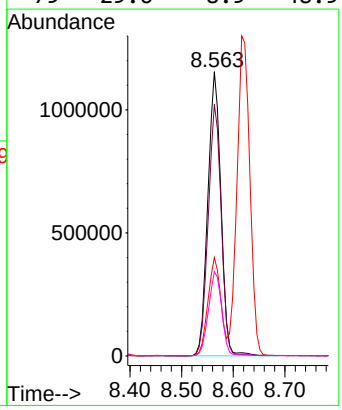
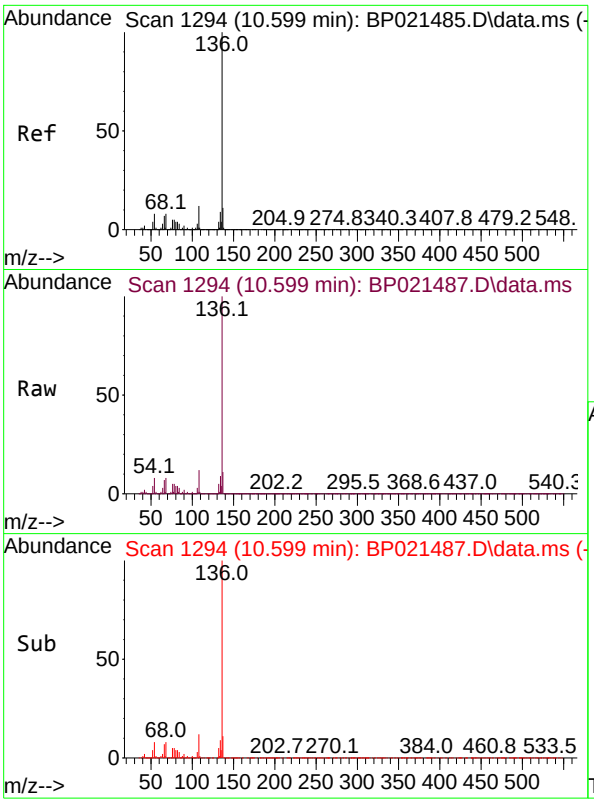


#20
3+4-Methylphenols
Concen: 61.202 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 2028575

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.6	15.0	55.0
79	29.6	8.9	48.9

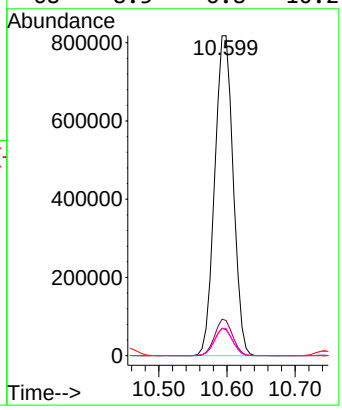




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:136 Resp: 153921

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	6.3	9.5
68	8.5	6.8	10.2



Instrument :
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ClientSampleId :
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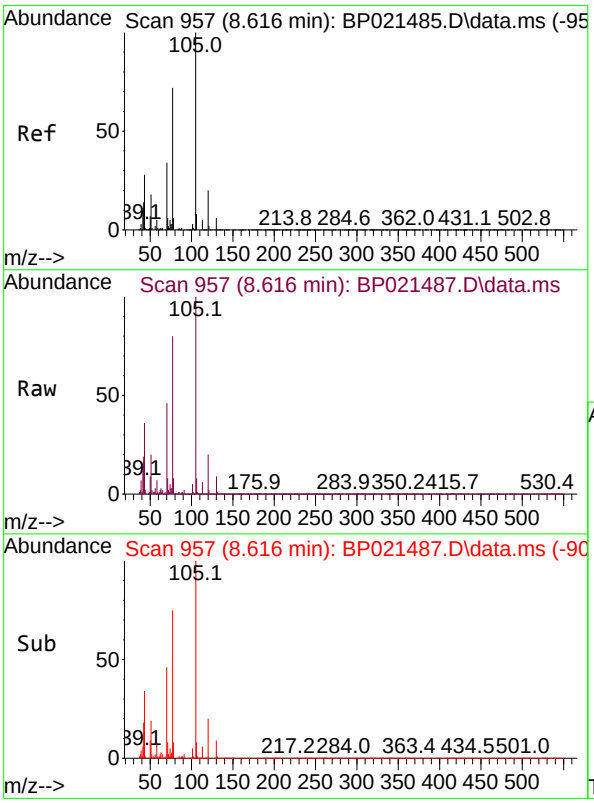
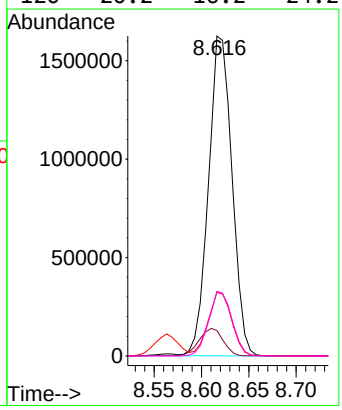
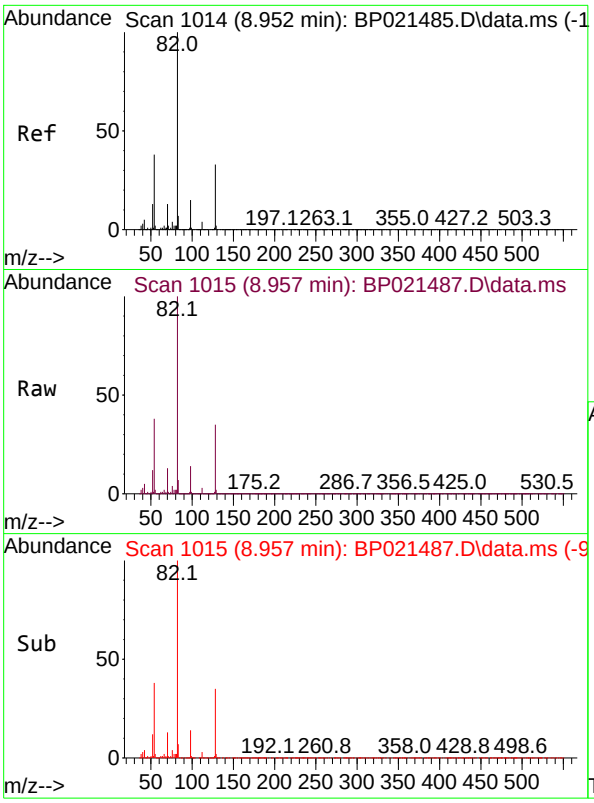


#22
Acetophenone
Concen: 59.500 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:105 Resp: 2813557

Ion	Ratio	Lower	Upper
105	100		
71	8.0	4.6	7.0#
51	19.9	16.3	24.5
120	20.2	16.2	24.2

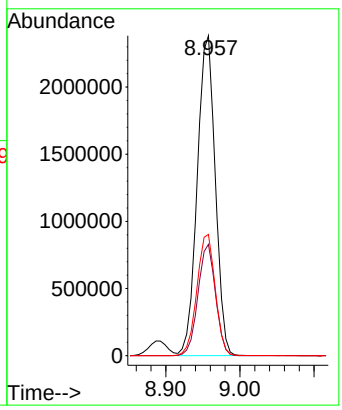




#23
Nitrobenzene-d5
Concen: 134.966 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 82 Resp: 402482

Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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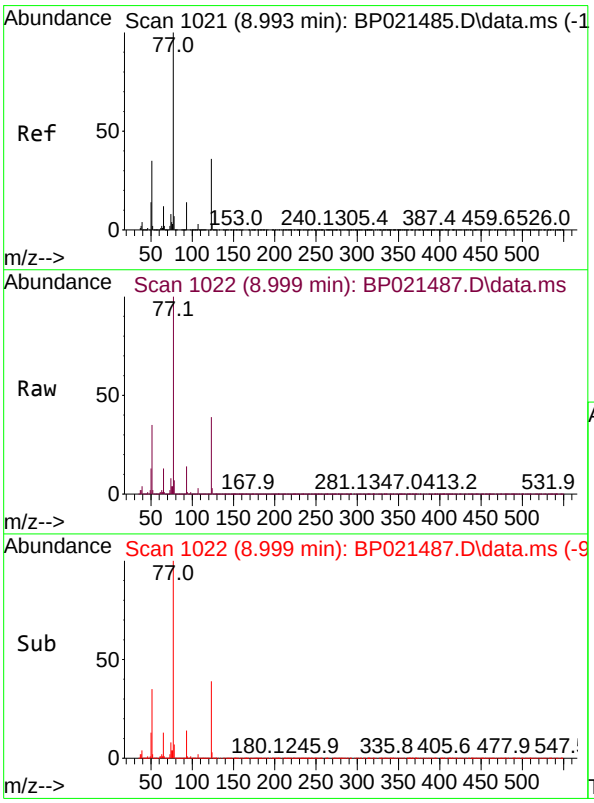
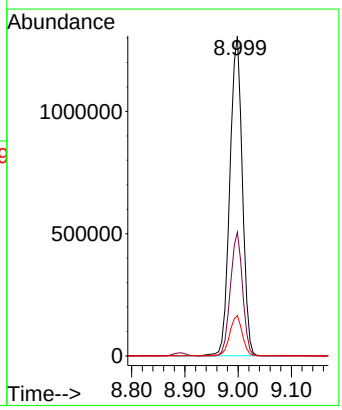
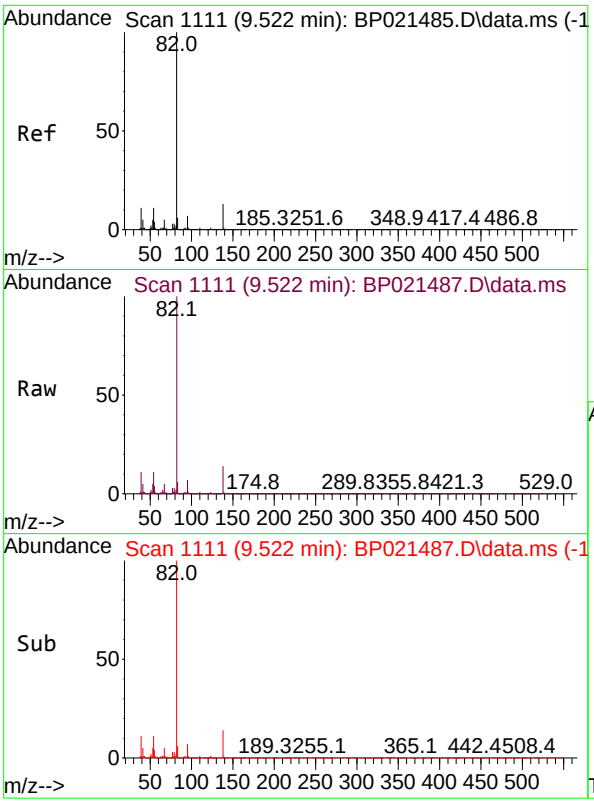


#24
Nitrobenzene
Concen: 65.650 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 2126322

Ion	Ratio	Lower	Upper
77	100		
123	38.7	29.5	44.3
65	12.6	9.9	14.9

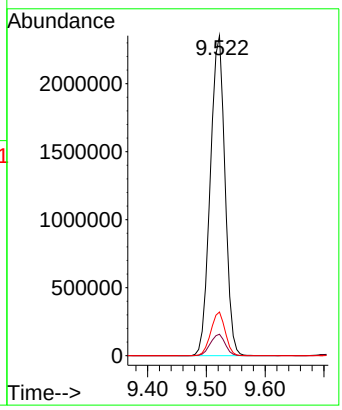




#25
Isophorone
Concen: 58.086 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 82 Resp: 409221

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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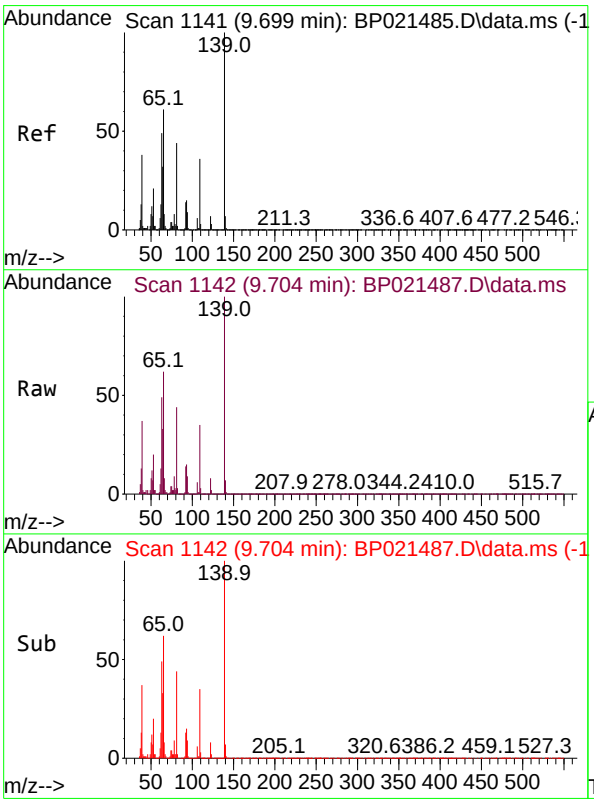
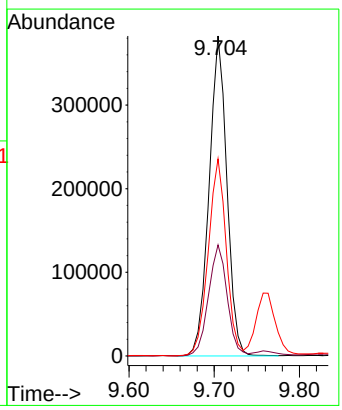
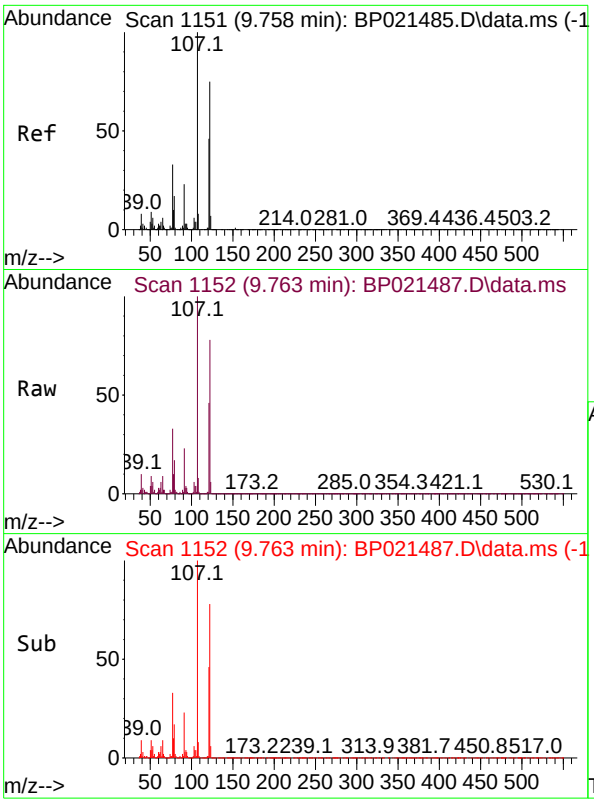


#26
2-Nitrophenol
Concen: 60.117 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 554873

Ion	Ratio	Lower	Upper
139	100		
109	34.7	28.9	43.3
65	61.6	49.0	73.6

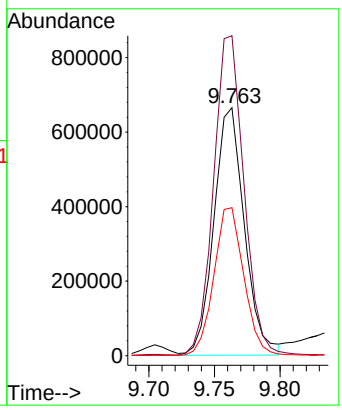




#27
2,4-Dimethylphenol
Concen: 61.792 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 107433

Ion	Ratio	Lower	Upper
122	100		
107	129.0	106.2	159.4
121	59.7	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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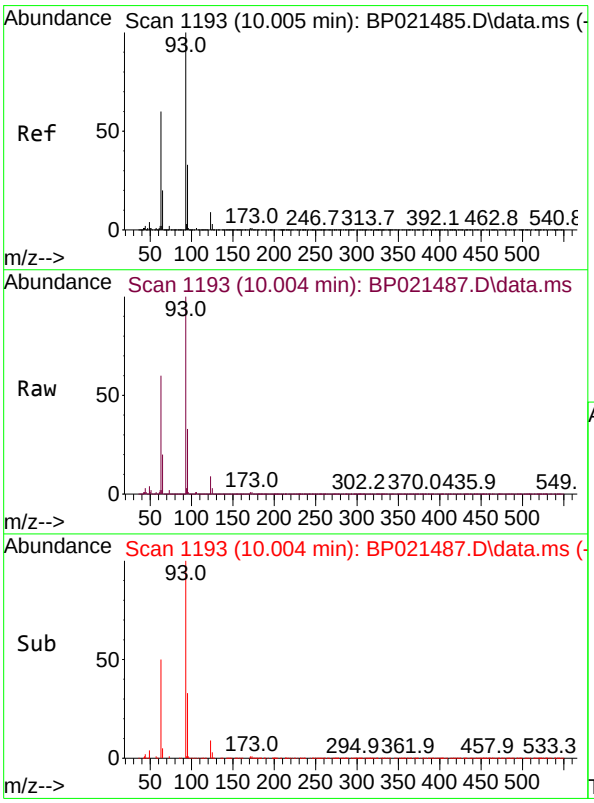
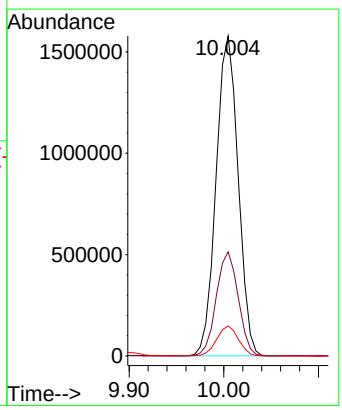
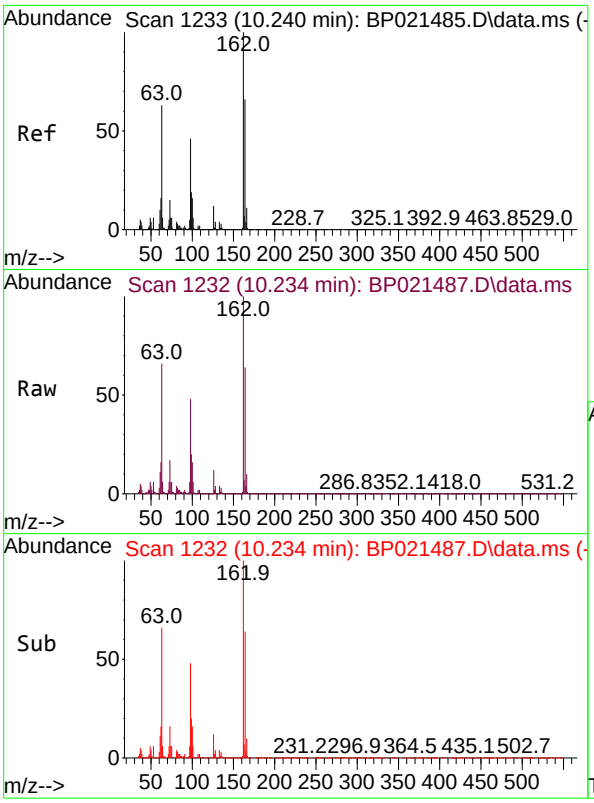


#28
bis(2-Chloroethoxy)methane
Concen: 59.443 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2556281

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	9.4	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 64.829 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 133174

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	47.7	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
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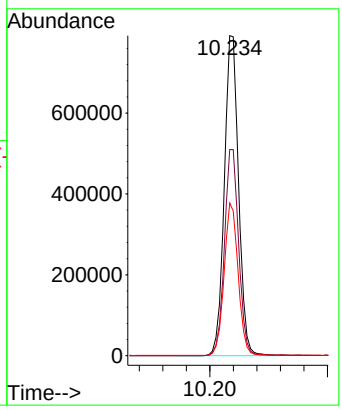
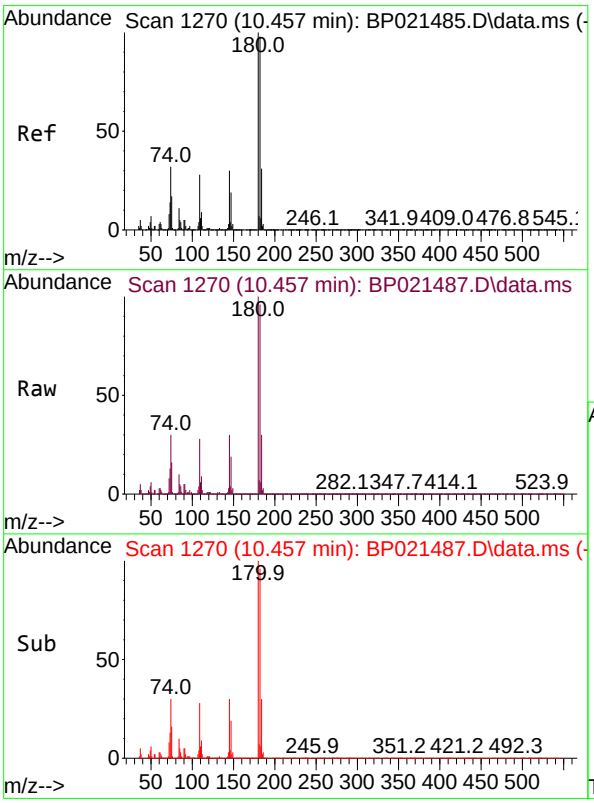
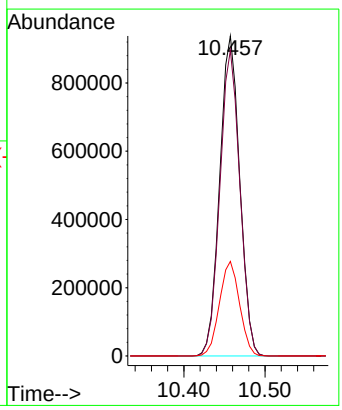


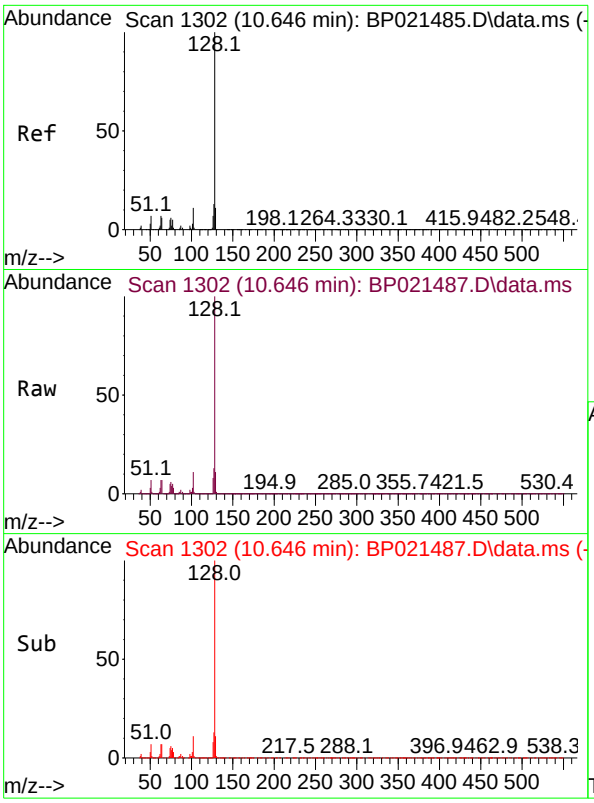


#30
1,2,4-Trichlorobenzene
Concen: 61.128 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:180 Resp: 1609924

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.3	117.5
145	29.5	24.0	36.0

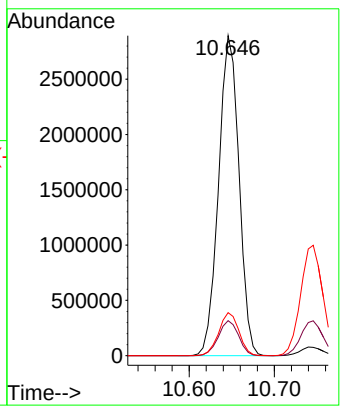




#31
Naphthalene
Concen: 60.059 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 482927

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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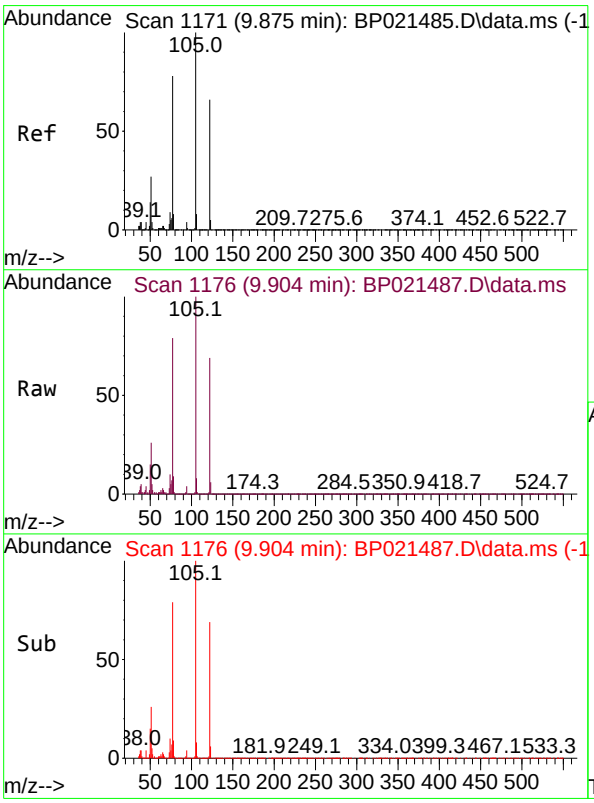
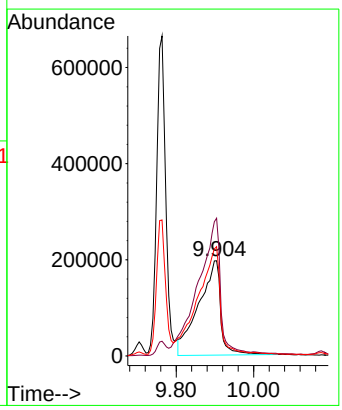
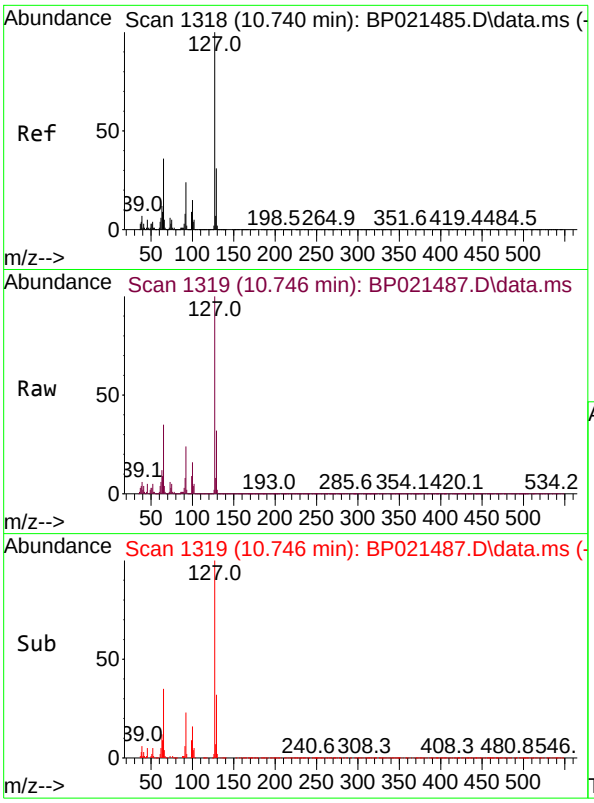


#32
Benzoic acid
Concen: 61.192 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 775935

Ion	Ratio	Lower	Upper
122	100		
105	144.5	124.6	164.6
77	114.7	96.2	136.2

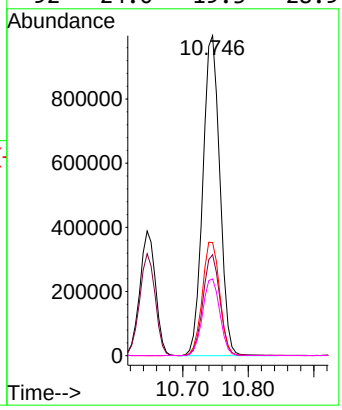




#33
4-Chloroaniline
Concen: 59.532 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:127 Resp: 179812

Ion	Ratio	Lower	Upper
127	100		
129	31.6	24.5	36.7
65	35.4	28.9	43.3
92	24.0	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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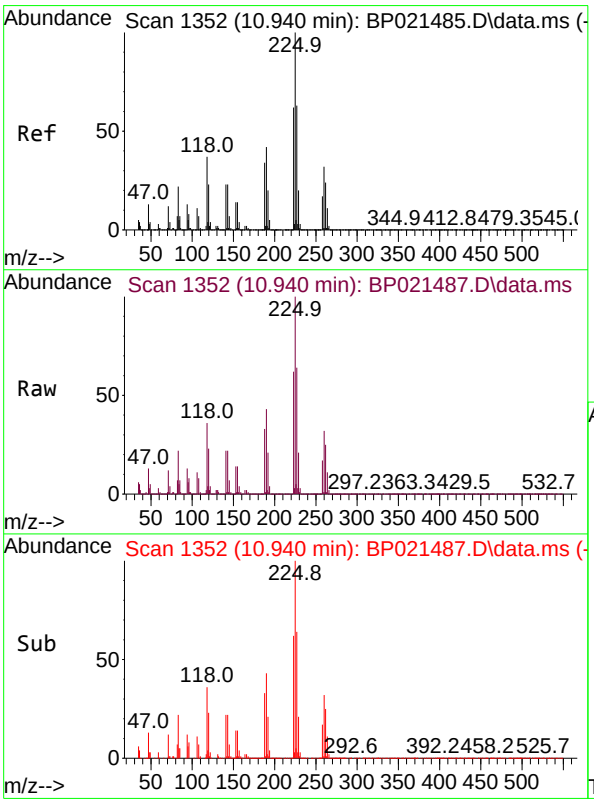
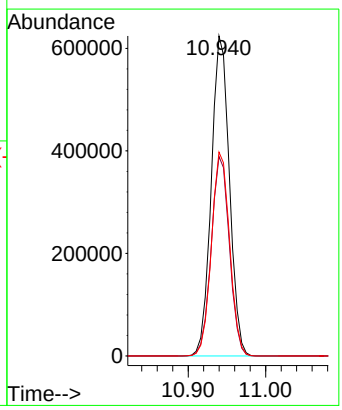
Supervised By :mohammad ahmed 08/14/2024

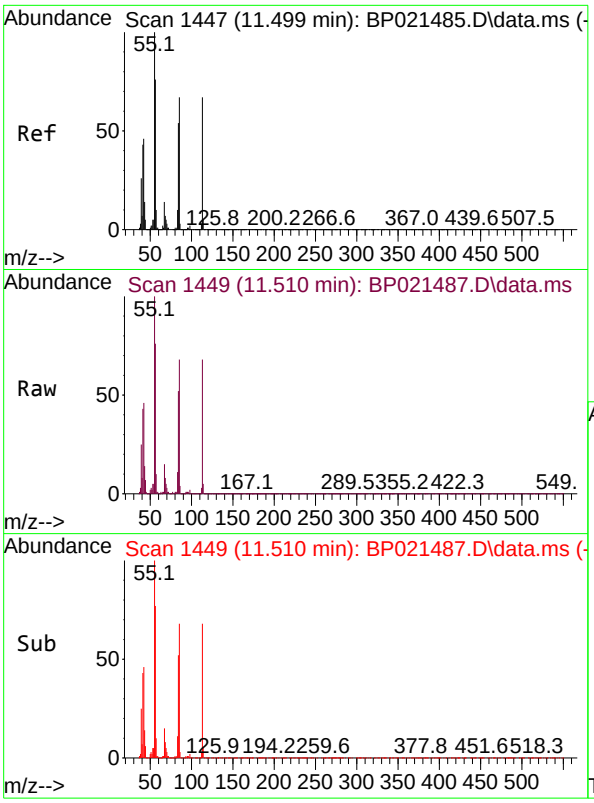


#34
Hexachlorobutadiene
Concen: 61.008 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:225 Resp: 1011679

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.6	74.4
227	63.7	50.1	75.1

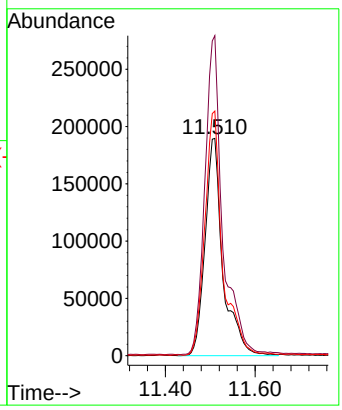




#35
Caprolactam
Concen: 61.084 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:113 Resp: 52223

Ion	Ratio	Lower	Upper
113	100		
55	147.3	130.6	170.6
56	112.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
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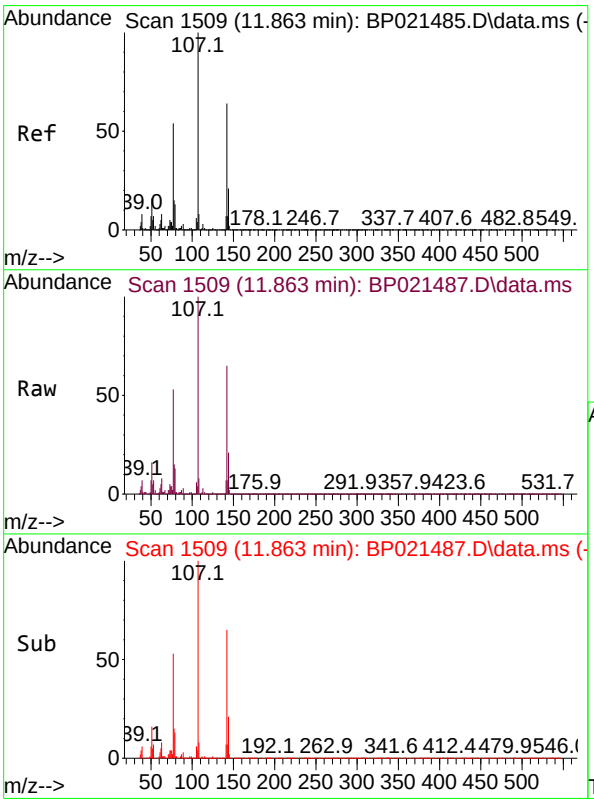
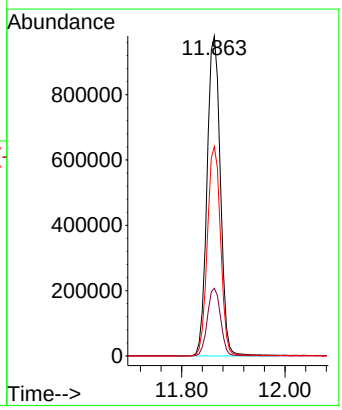
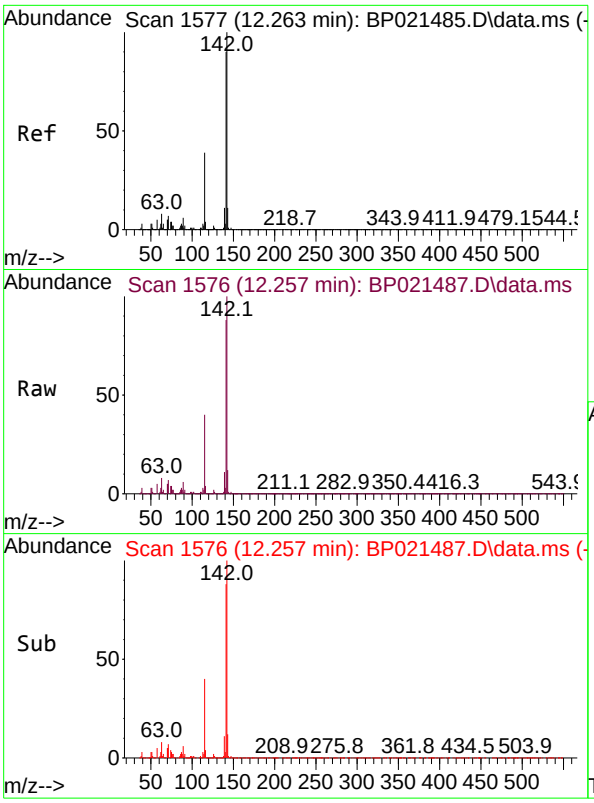


#36
4-Chloro-3-methylphenol
Concen: 61.283 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 1746318

Ion	Ratio	Lower	Upper
107	100		
144	21.1	16.6	24.8
142	65.4	51.0	76.4

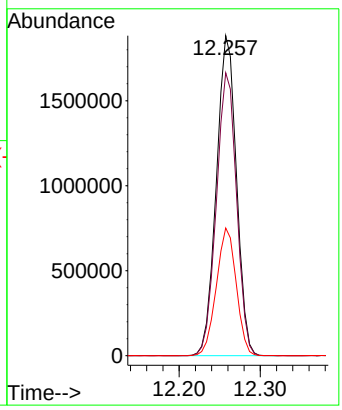




#37
2-Methylnaphthalene
Concen: 59.003 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 323804

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	39.9	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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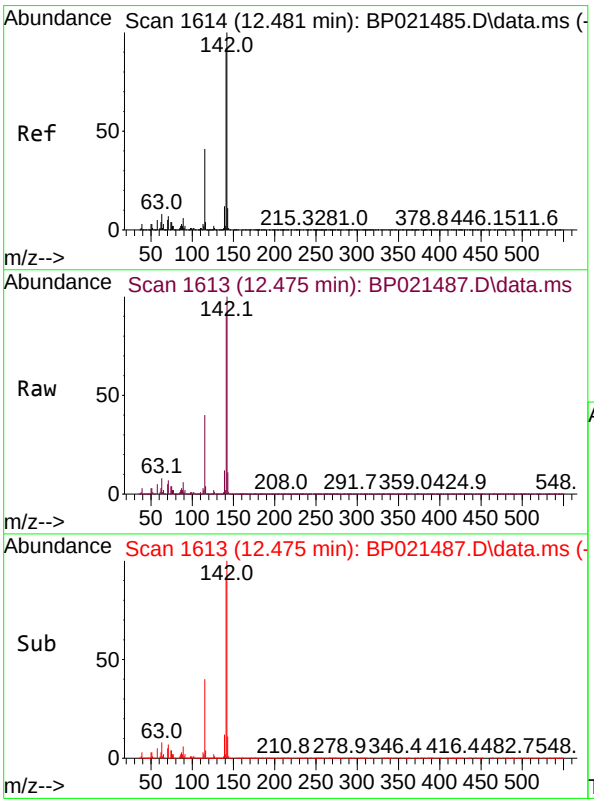
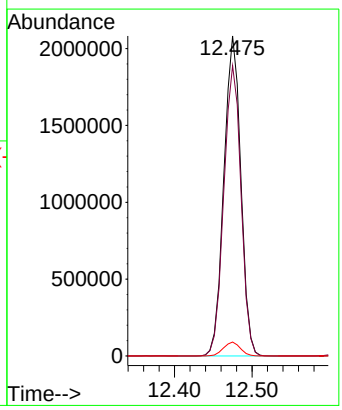
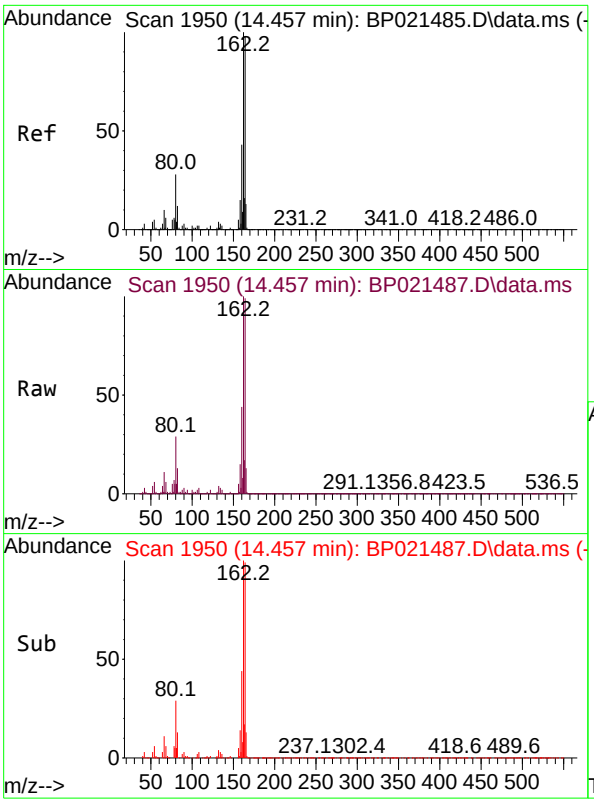


#38
1-Methylnaphthalene
Concen: 58.451 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 3163697

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.5	110.3
116	4.4	3.4	5.2

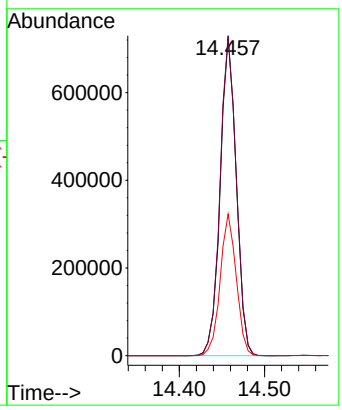




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:164 Resp: 95319

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.6	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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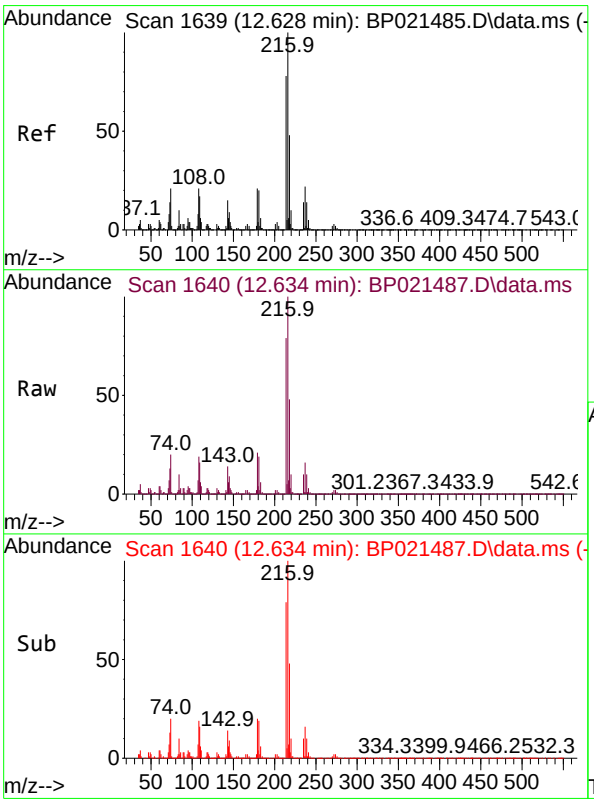
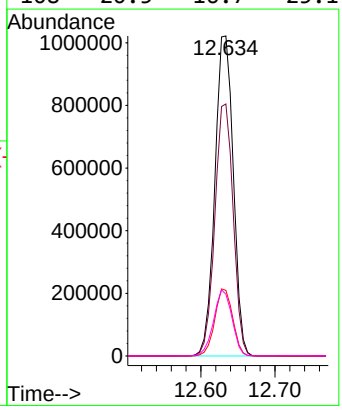
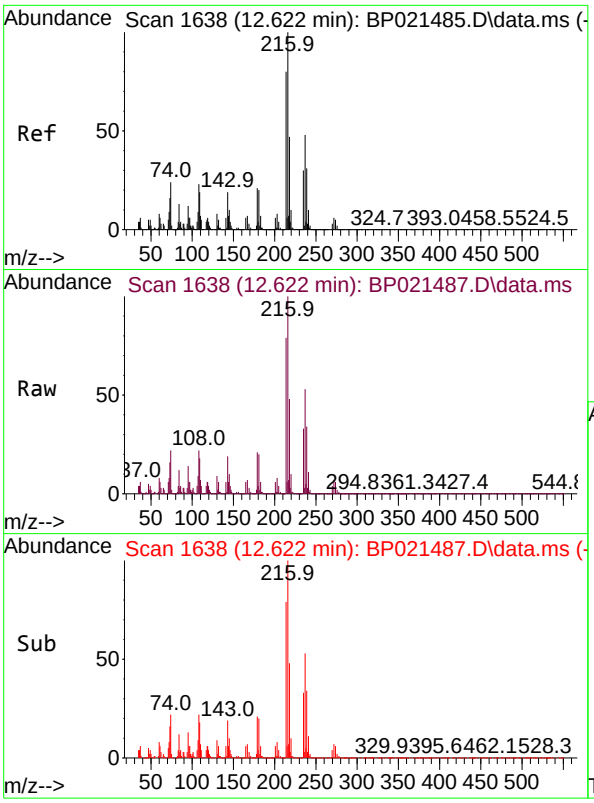


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.107 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:216 Resp: 1762492

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.5	93.7
179	20.4	16.4	24.6
108	20.5	16.7	25.1

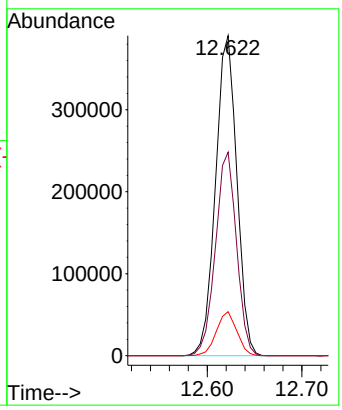




#41
Hexachlorocyclopentadiene
Concen: 69.006 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:237 Resp: 61082

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.9	83.9
272	13.7	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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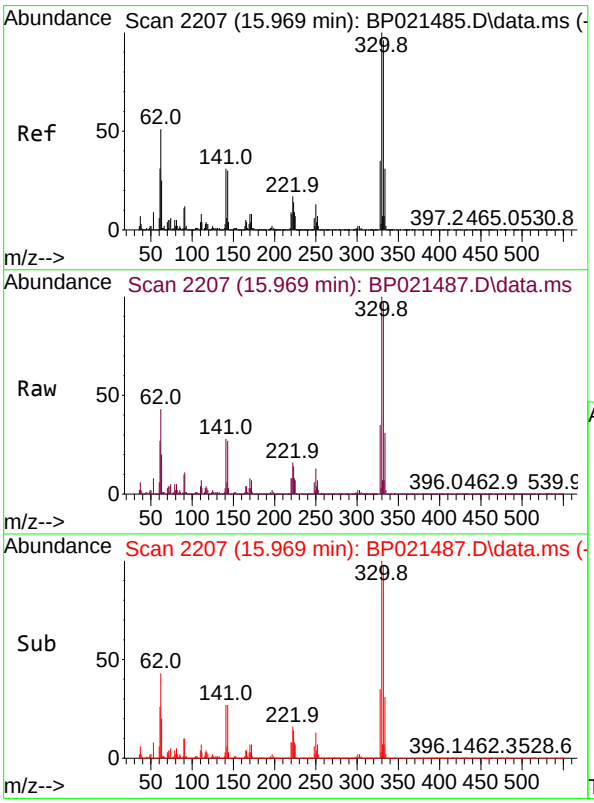
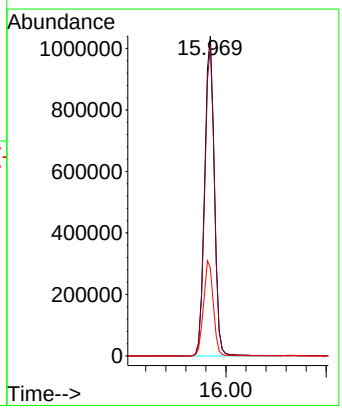
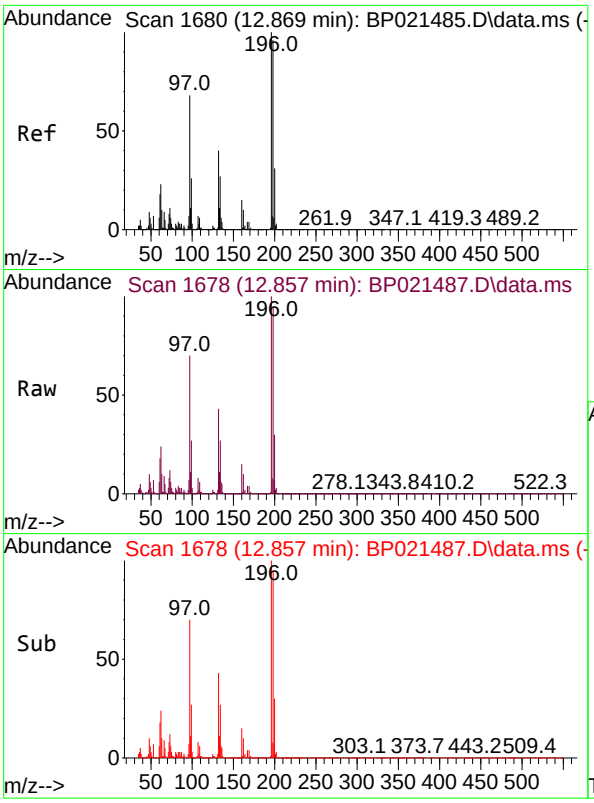


#42
2,4,6-Tribromophenol
Concen: 132.067 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:330 Resp: 1401053

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.9	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 67.687 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 105009

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
200	29.9	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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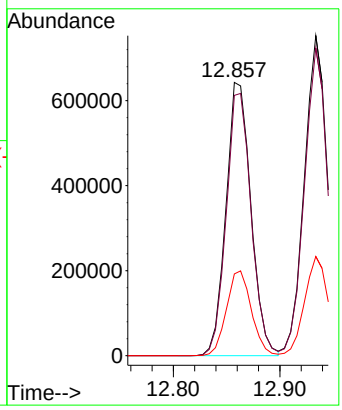
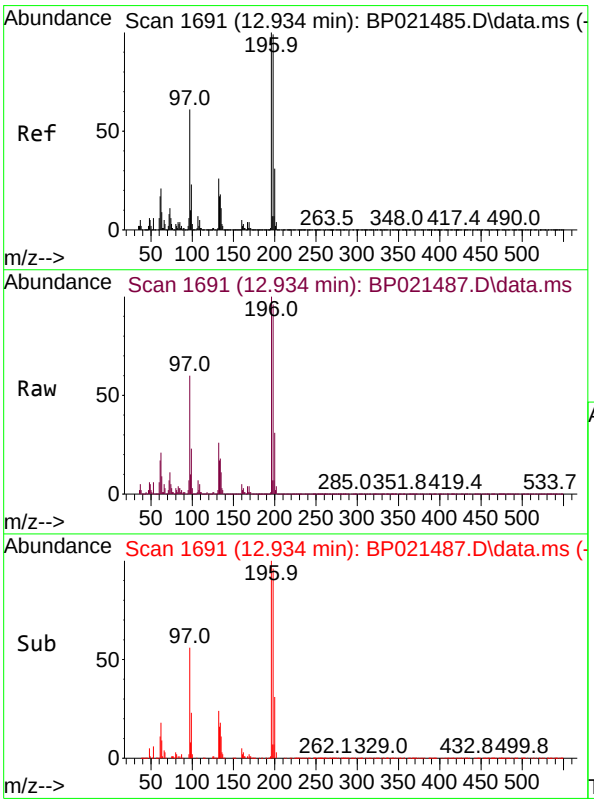
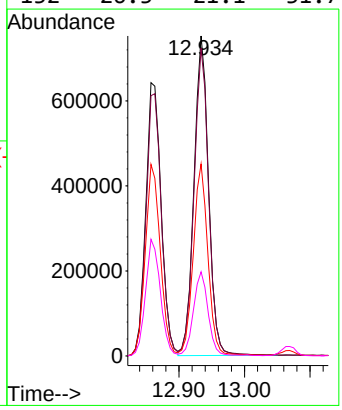


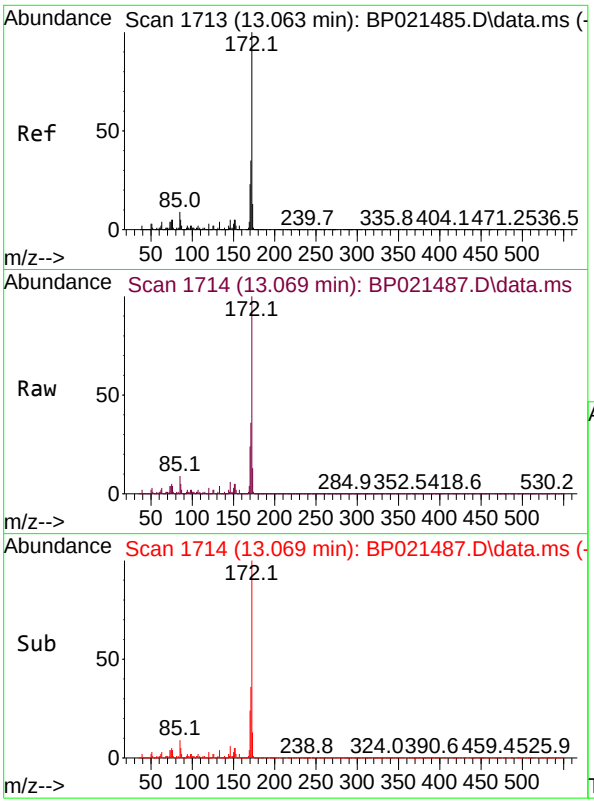


#44
2,4,5-Trichlorophenol
Concen: 67.609 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 1165351

Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.9	118.3
97	60.0	49.4	74.0
132	26.3	21.1	31.7

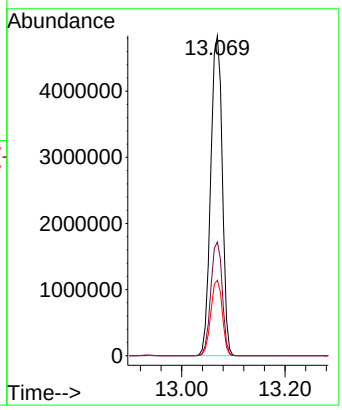




#45
2-Fluorobiphenyl
Concen: 119.833 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:172 Resp: 748443

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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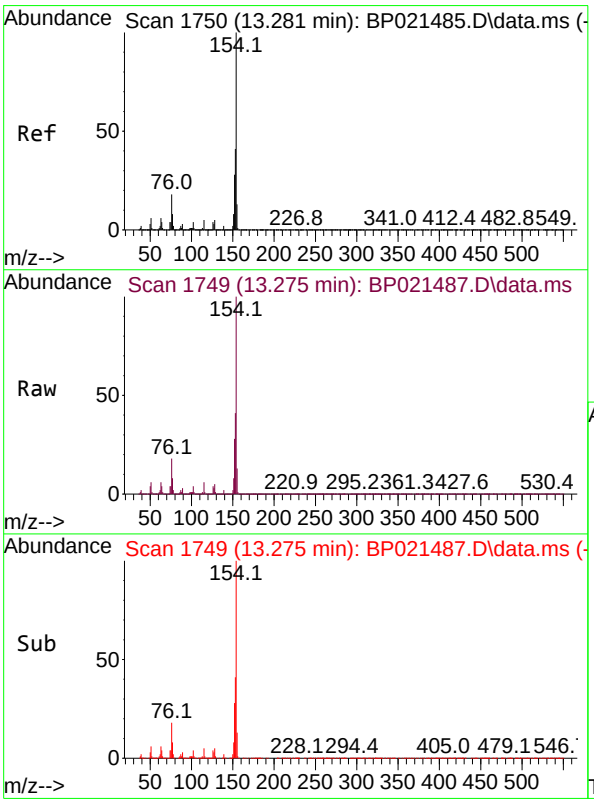
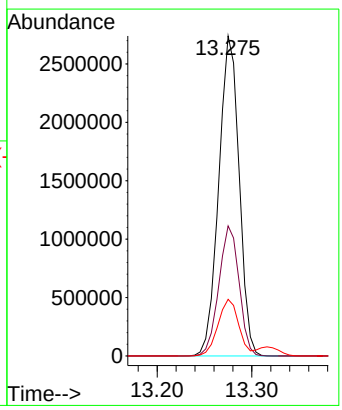
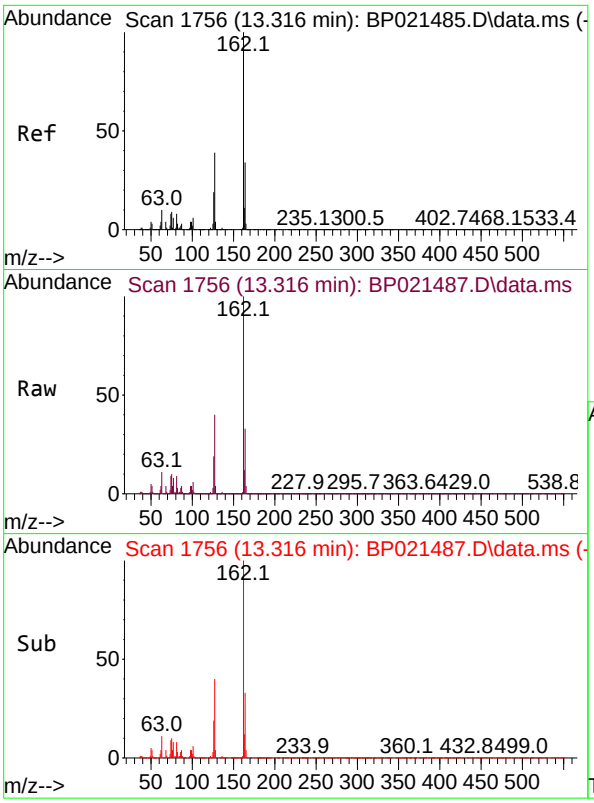


#46
1,1'-Biphenyl
Concen: 60.754 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 4097218

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.7	60.7
76	17.7	0.0	37.7

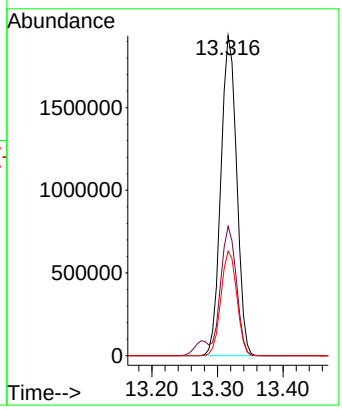




#47
2-Chloronaphthalene
Concen: 61.498 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 322886

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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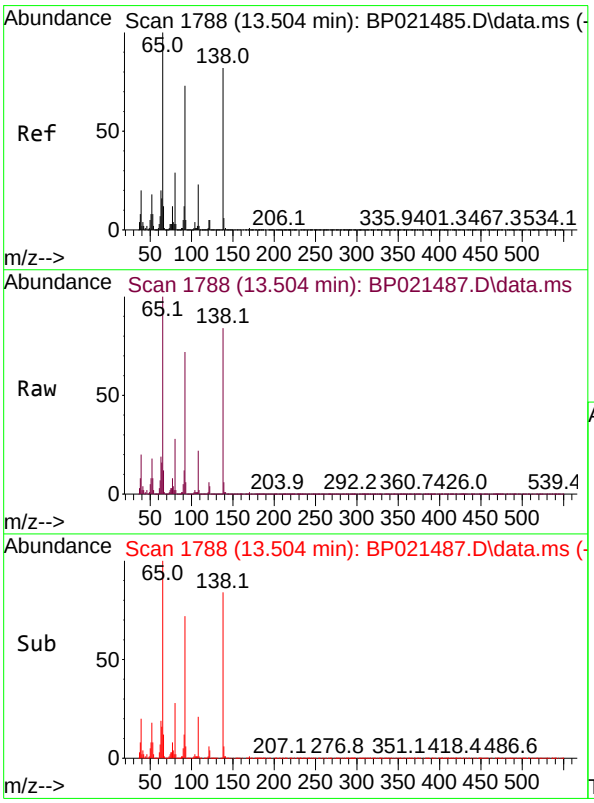
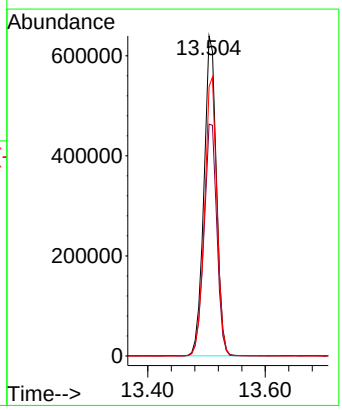
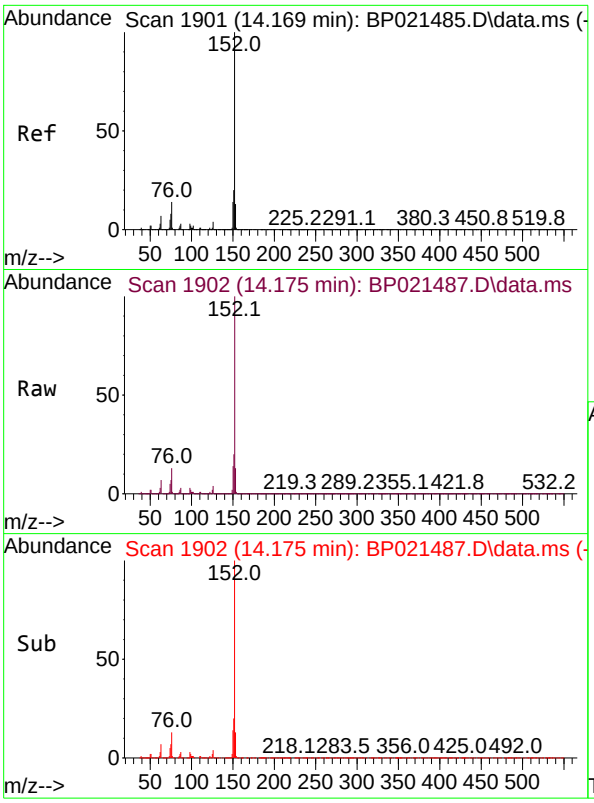


#48
2-Nitroaniline
Concen: 62.204 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 65 Resp: 940456

Ion	Ratio	Lower	Upper
65	100		
92	72.4	58.1	87.1
138	84.1	65.5	98.3





#49
Acenaphthylene
Concen: 60.501 ng
RT: 14.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 466964

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.1	10.6	16.0

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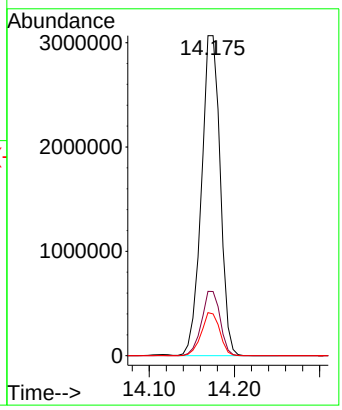
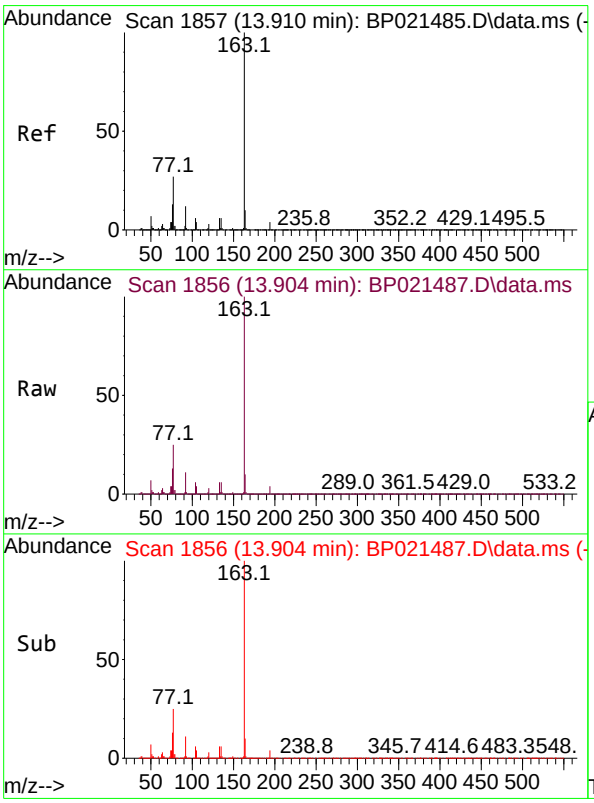
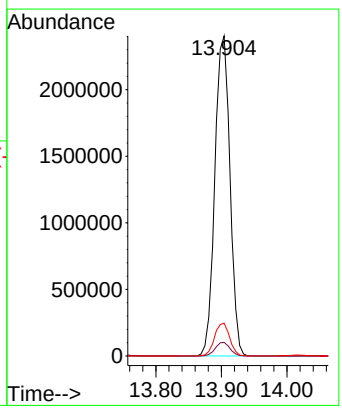


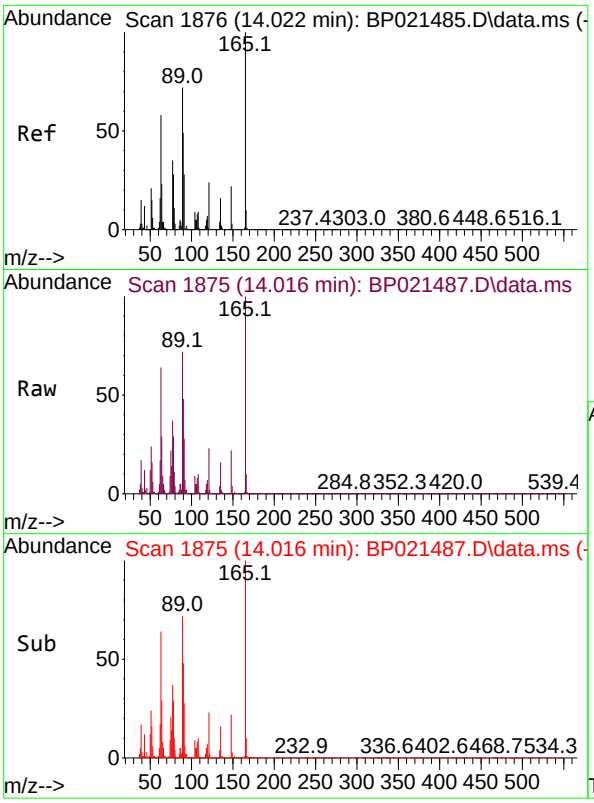


#50
Dimethylphthalate
Concen: 60.041 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:163 Resp: 3832687

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.3	12.5

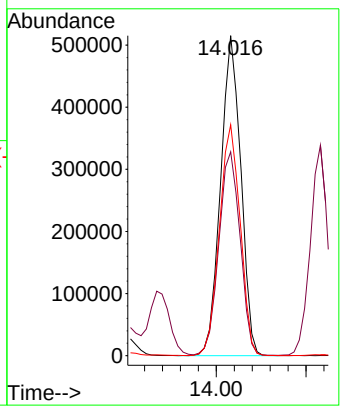




#51
2,6-Dinitrotoluene
Concen: 61.336 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:165 Resp: 80545

Ion	Ratio	Lower	Upper
165	100		
63	63.7	51.5	77.3
89	72.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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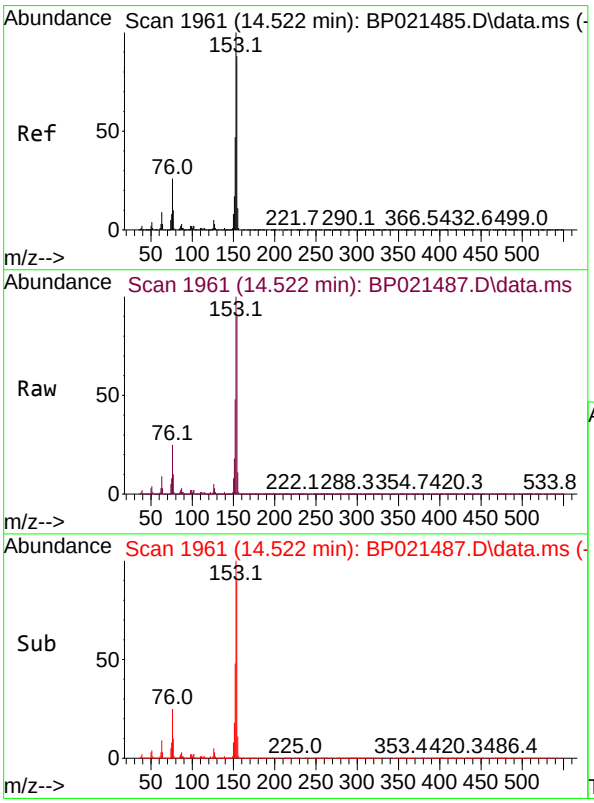
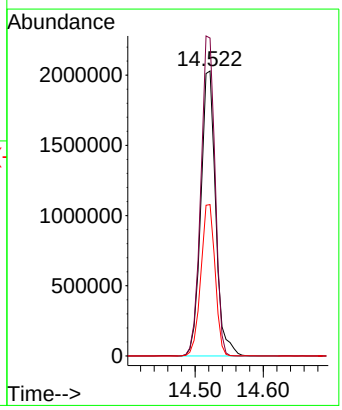
Supervised By :mohammad ahmed 08/14/2024

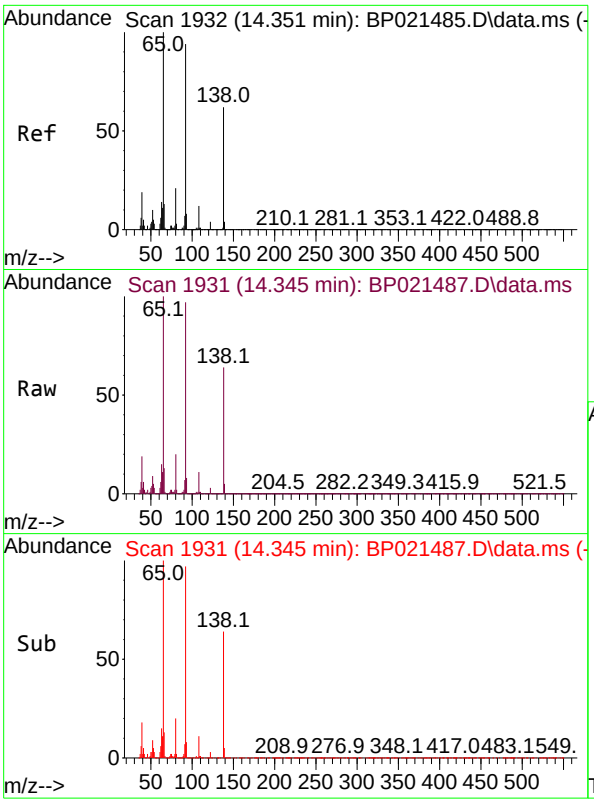


#52
Acenaphthene
Concen: 60.546 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 3066208

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.1	136.7
152	53.1	43.0	64.4

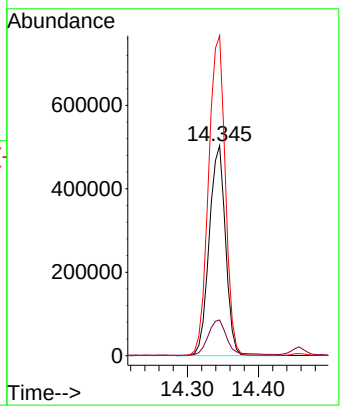




#53
3-Nitroaniline
Concen: 61.781 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 79790

Ion	Ratio	Lower	Upper
138	100		
108	17.0	16.2	24.4
92	152.3	122.2	183.4



Instrument :
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ClientSampleId :
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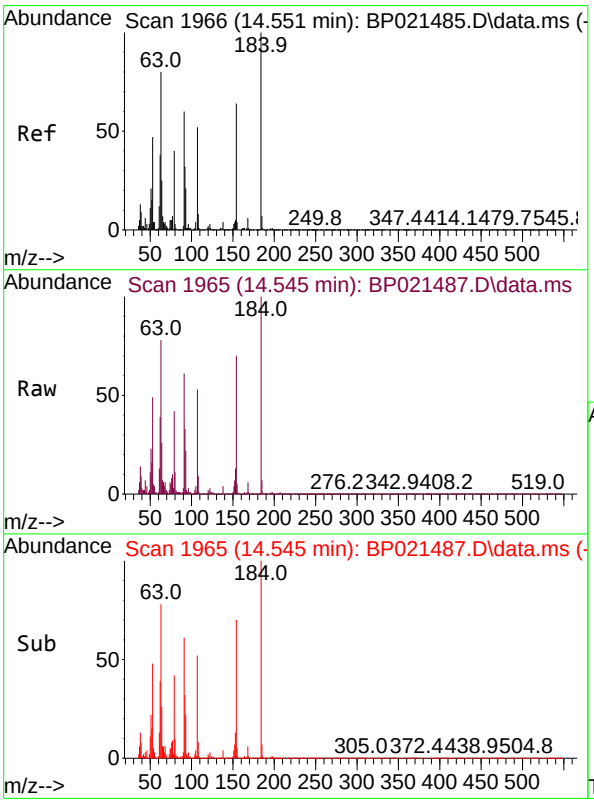
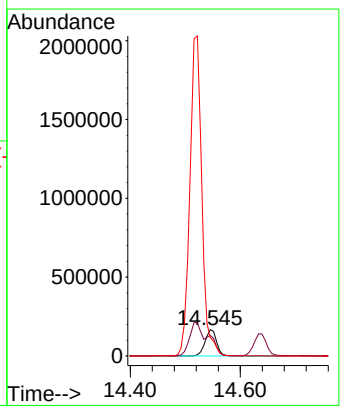
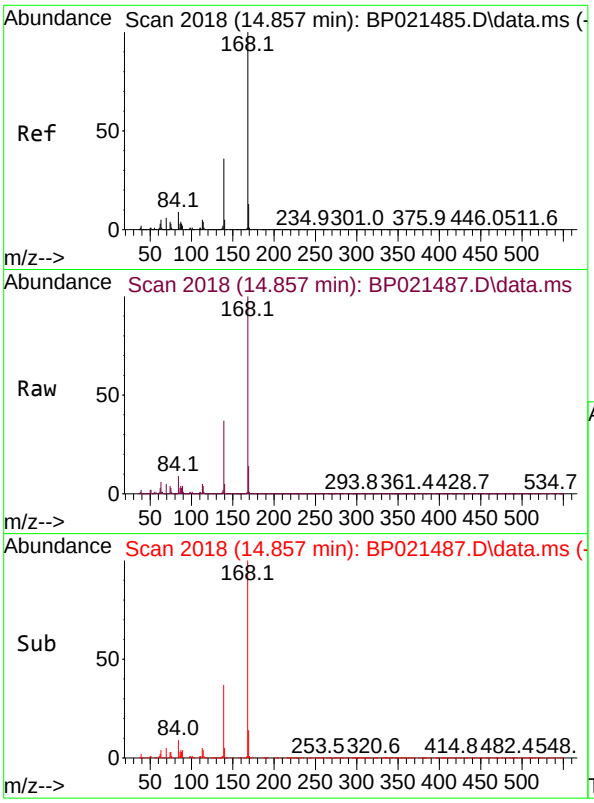


#54
2,4-Dinitrophenol
Concen: 61.764 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 242951

Ion	Ratio	Lower	Upper
184	100		
63	77.9	64.9	97.3
154	70.2	52.1	78.1

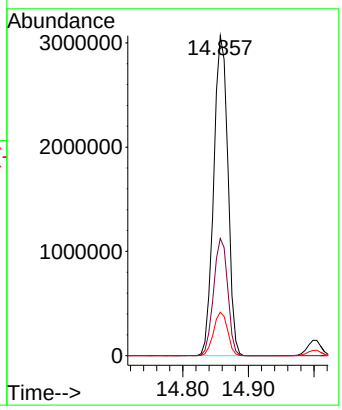




#55
Dibenzofuran
Concen: 58.970 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:168 Resp: 459408

Ion	Ratio	Lower	Upper
168	100		
139	36.7	28.6	43.0
169	13.6	10.6	16.0



Instrument :
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ClientSampleId :
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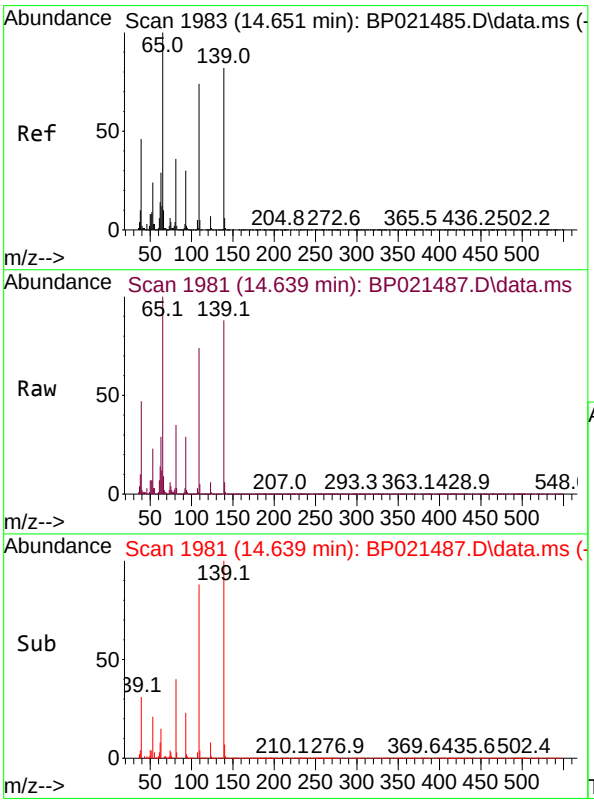
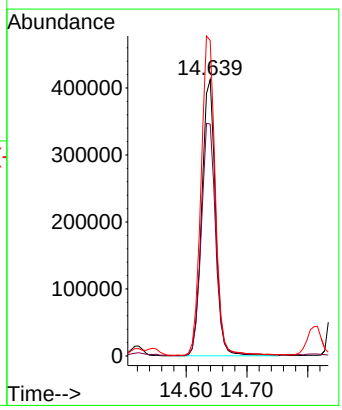
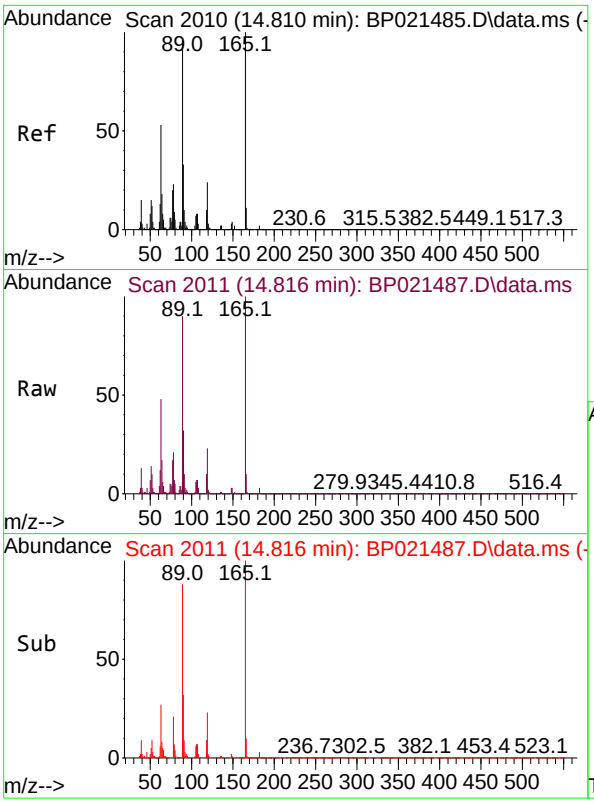


#56
4-Nitrophenol
Concen: 62.066 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 644221

Ion	Ratio	Lower	Upper
139	100		
109	83.8	70.2	110.2
65	114.0	101.8	141.8





#57
2,4-Dinitrotoluene
Concen: 61.548 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 103406

Ion	Ratio	Lower	Upper
165	100		
63	48.2	42.5	63.7
89	90.5	77.1	115.7
182	3.0	2.0	3.0#

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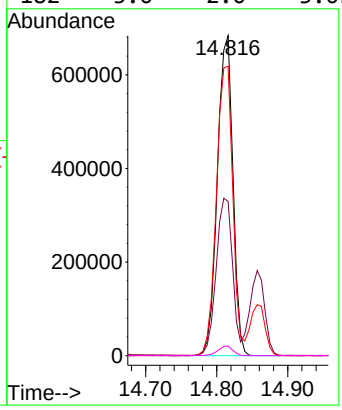
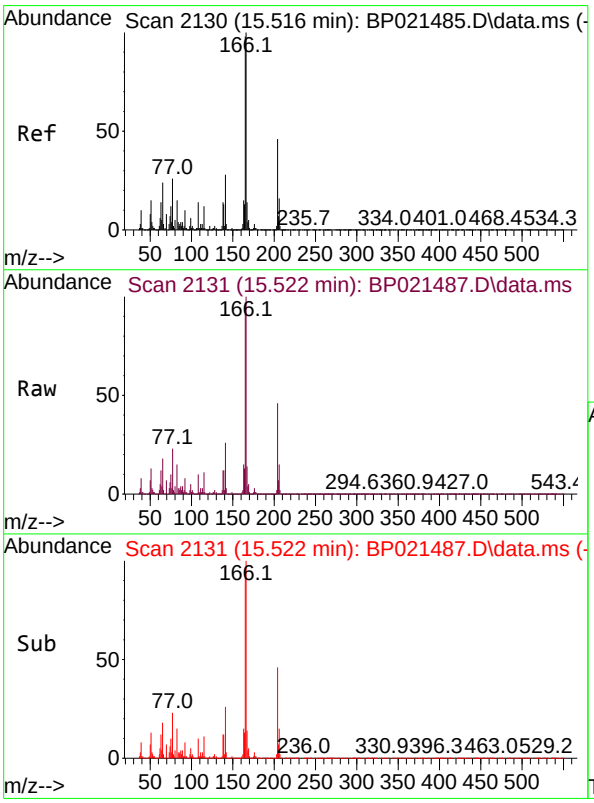
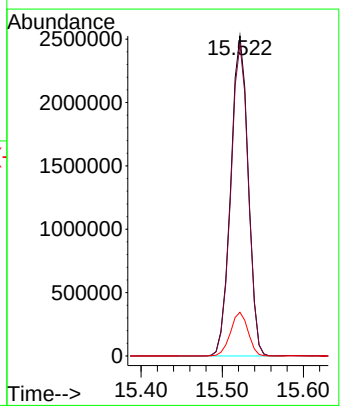


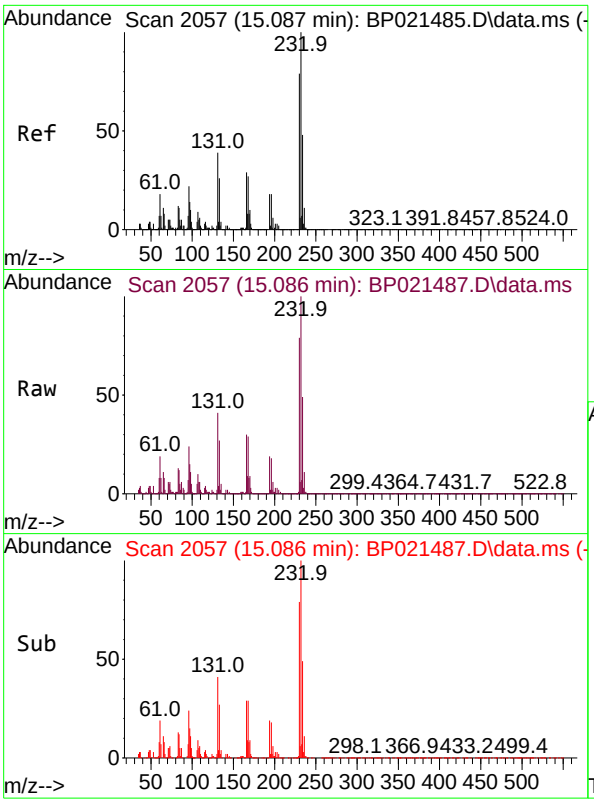


#58
Fluorene
Concen: 58.748 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:166 Resp: 3759913

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.6	11.0	16.4

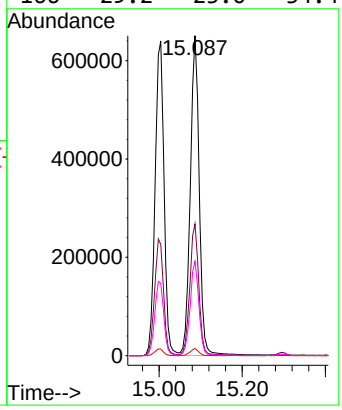




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.550 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:232 Resp: 97364

Ion	Ratio	Lower	Upper
232	100		
131	41.0	33.1	49.7
130	2.2	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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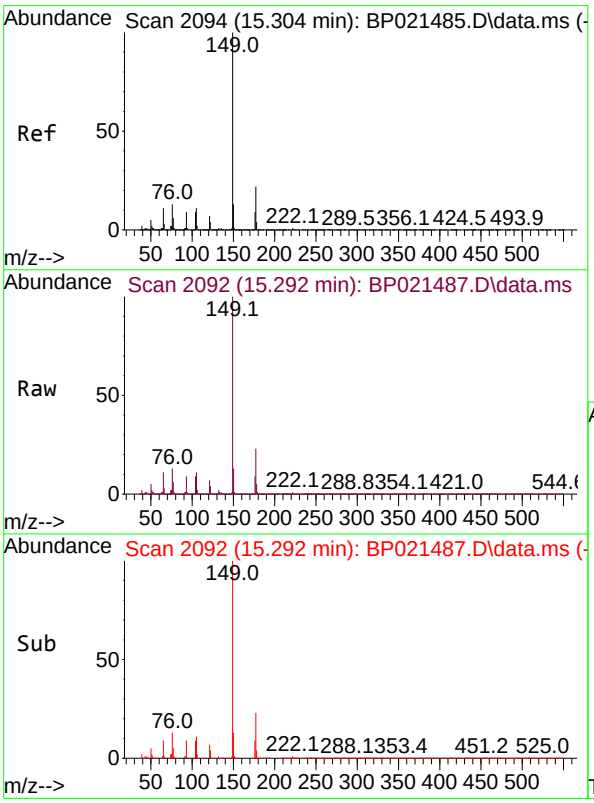
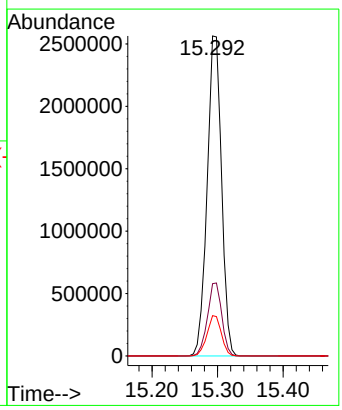
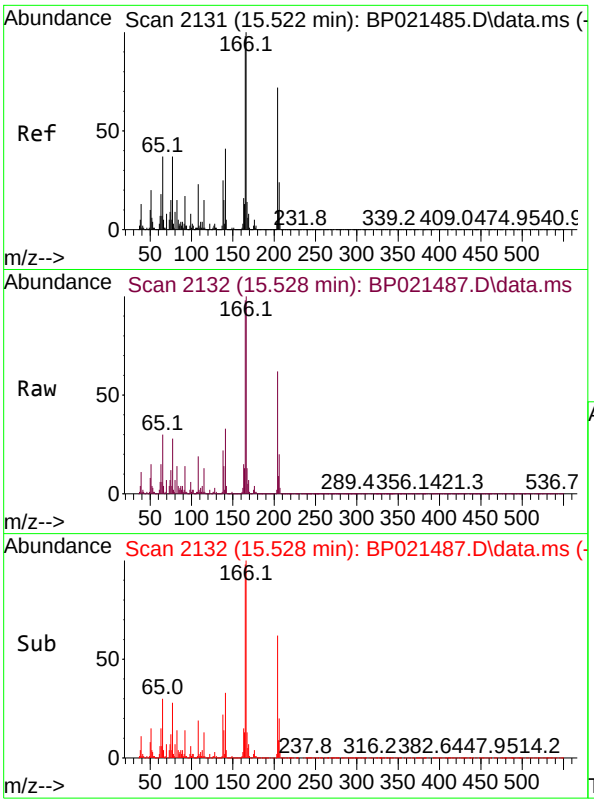


#60
Diethylphthalate
Concen: 59.713 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 3911032

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	12.6	10.1	15.1

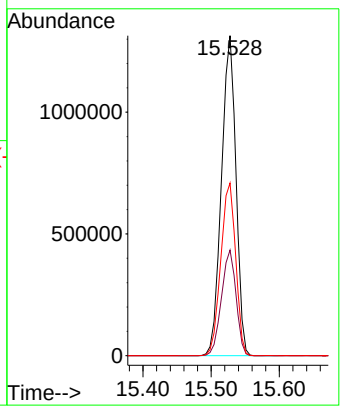




#61
4-Chlorophenyl-phenylether
Concen: 58.814 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:204 Resp: 194571

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	53.9	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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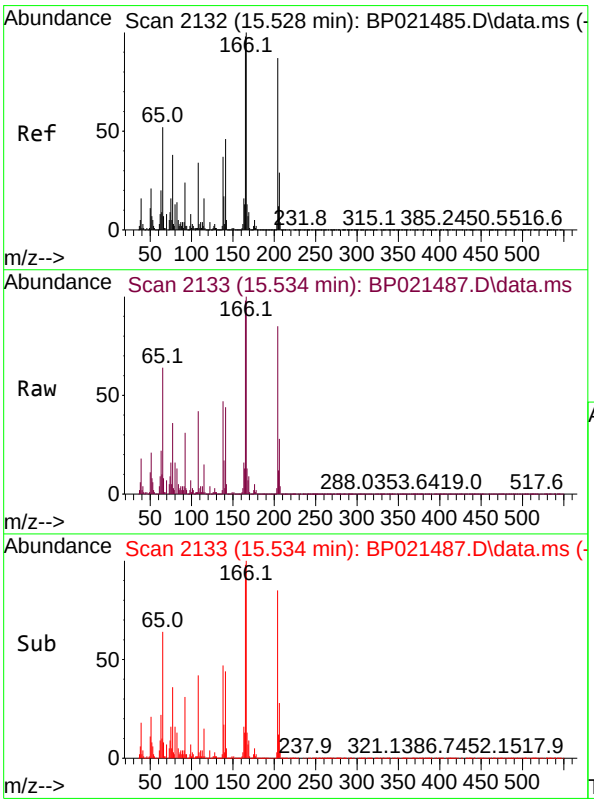
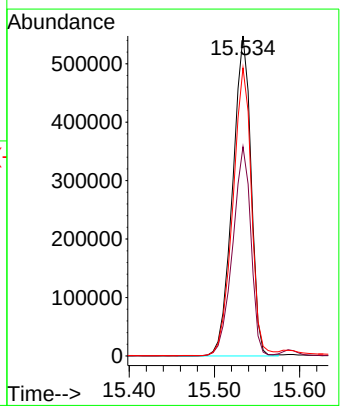
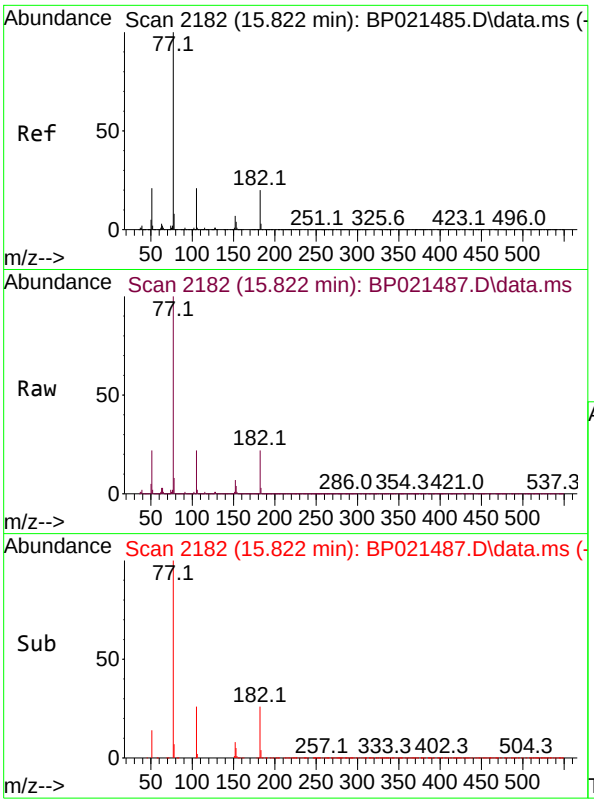


#62
4-Nitroaniline
Concen: 62.407 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 824354

Ion	Ratio	Lower	Upper
138	100		
92	65.4	46.4	86.4
108	90.0	73.2	113.2

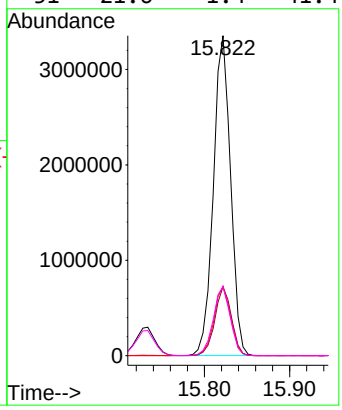




#63
Azobenzene
Concen: 58.524 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 471182

Ion	Ratio	Lower	Upper
77	100		
182	21.5	0.0	39.9
105	21.6	0.9	40.9
51	21.6	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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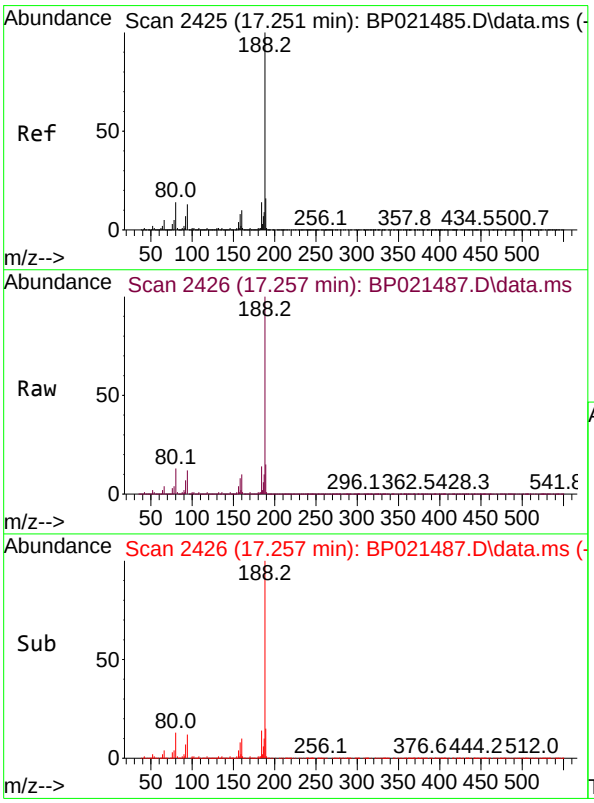
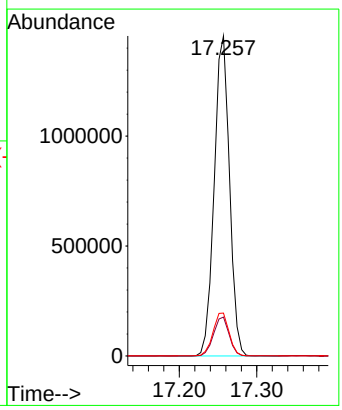
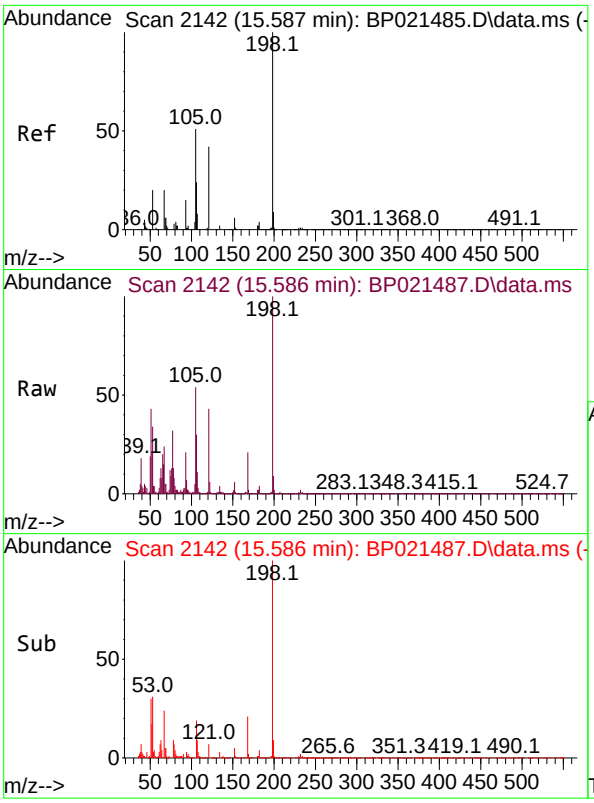


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:188 Resp: 1991489

Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.2	15.4
80	13.4	11.6	17.4

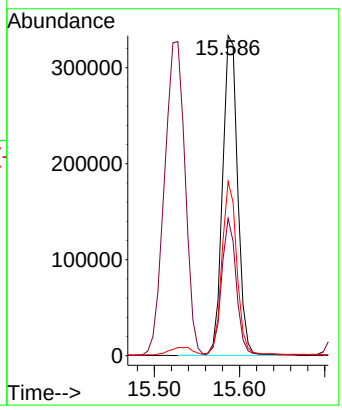




#65
4,6-Dinitro-2-methylphenol
Concen: 61.846 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:198 Resp: 41009

Ion	Ratio	Lower	Upper
198	100		
51	42.9	21.5	61.5
105	54.5	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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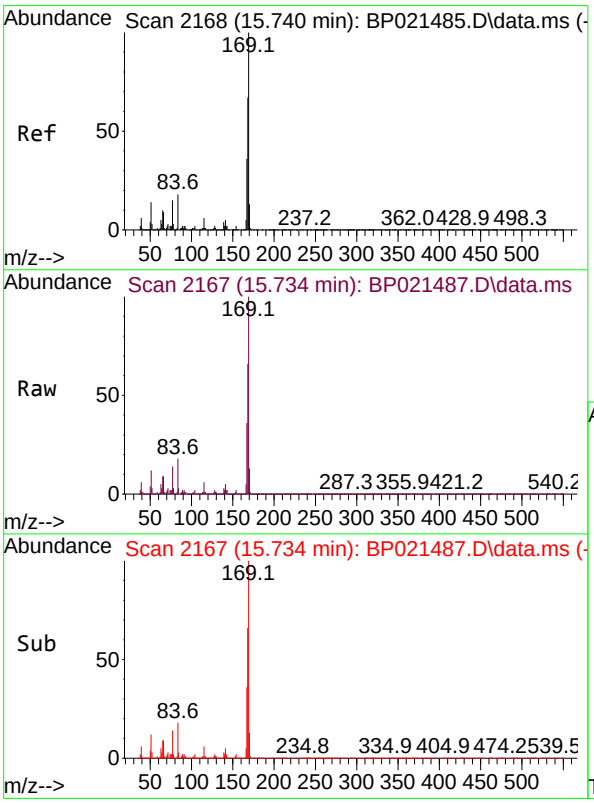
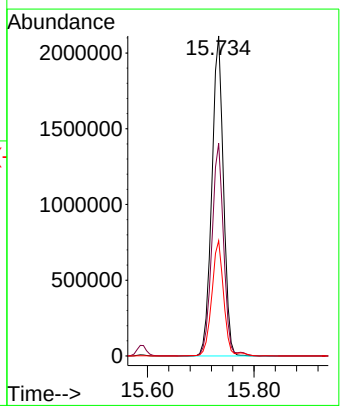
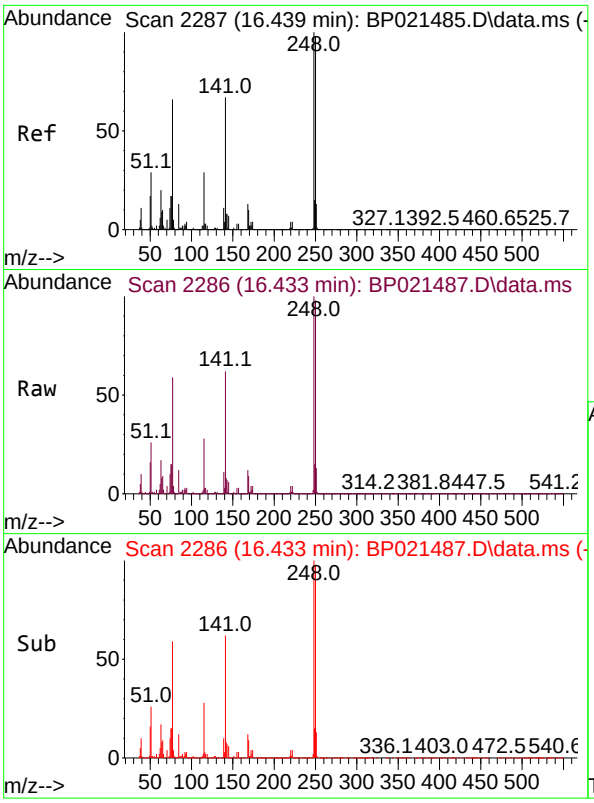


#66
n-Nitrosodiphenylamine
Concen: 59.821 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:169 Resp: 3192615

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.0	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 61.016 ng
RT: 16.433 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:248 Resp: 128604

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.6	117.8
141	61.7	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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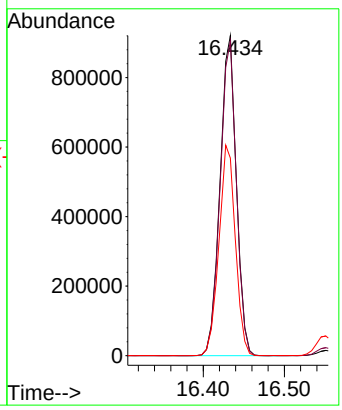
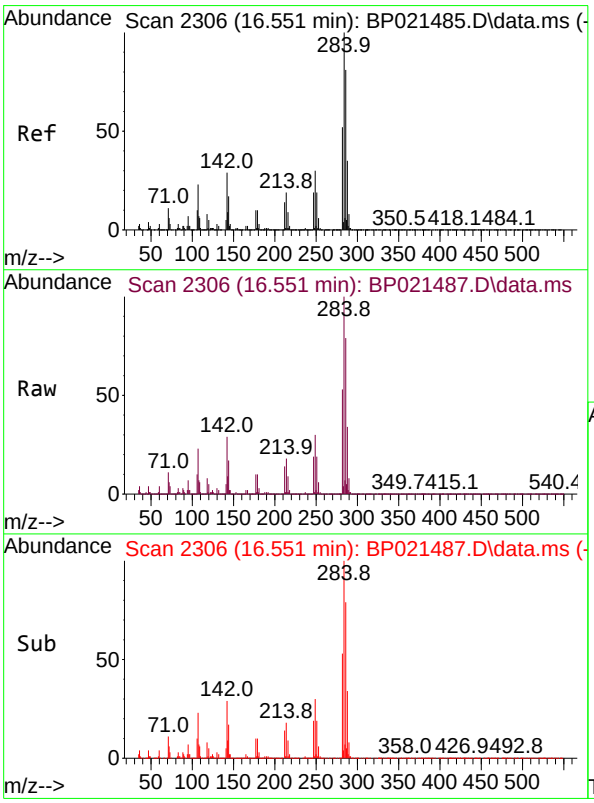
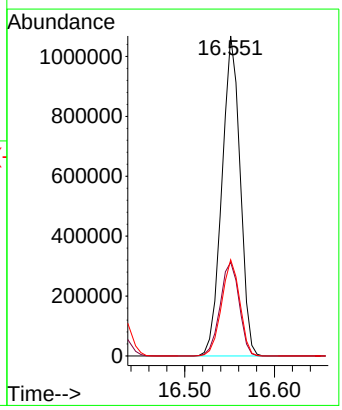


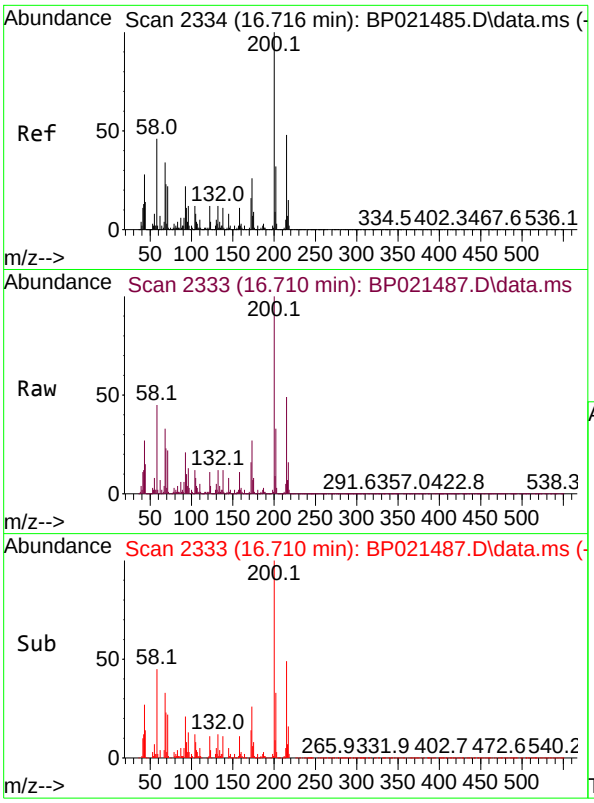


#68
Hexachlorobenzene
Concen: 60.456 ng
RT: 16.551 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:284 Resp: 1505847

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1





#69
Atrazine
Concen: 59.397 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:200 Resp: 108834

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.2	46.2
215	49.2	28.4	68.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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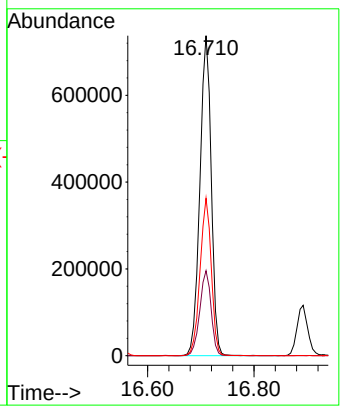
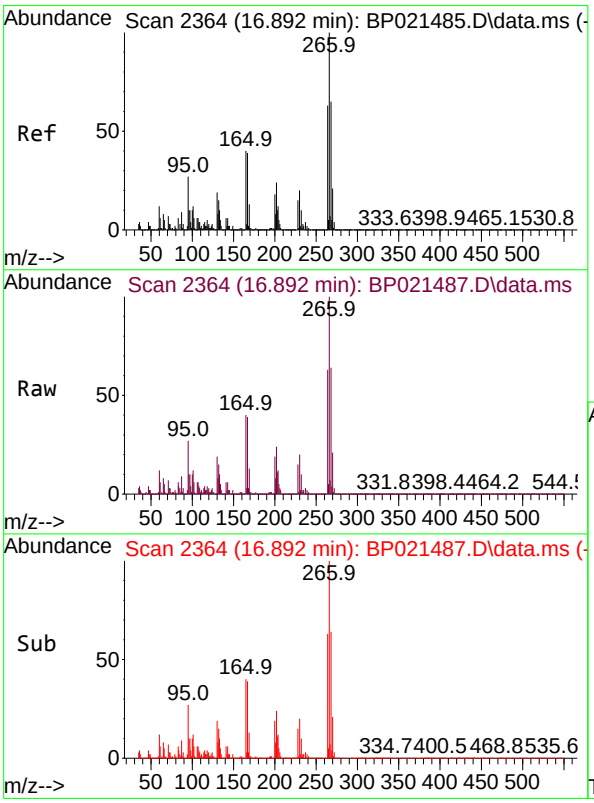
Supervised By :mohammad ahmed 08/14/2024

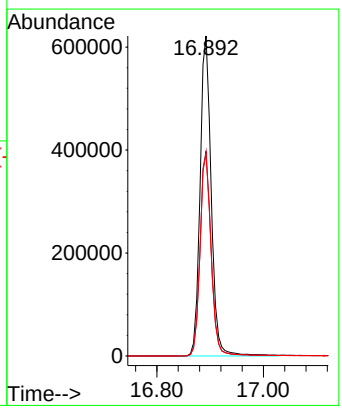


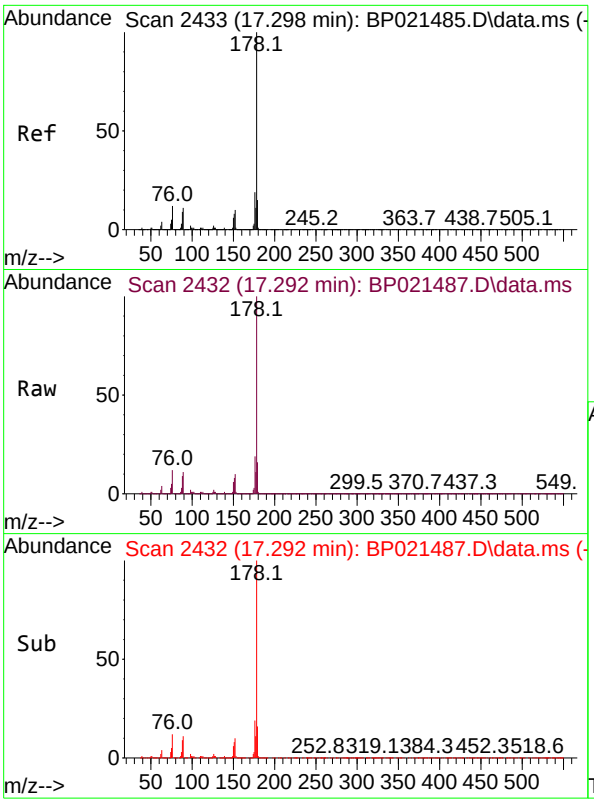


#70
Pentachlorophenol
Concen: 66.192 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:266 Resp: 899879

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.8	77.6
264	63.1	50.5	75.7

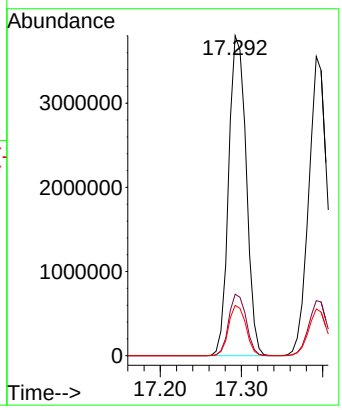




#71
Phenanthrene
Concen: 59.366 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 568578

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
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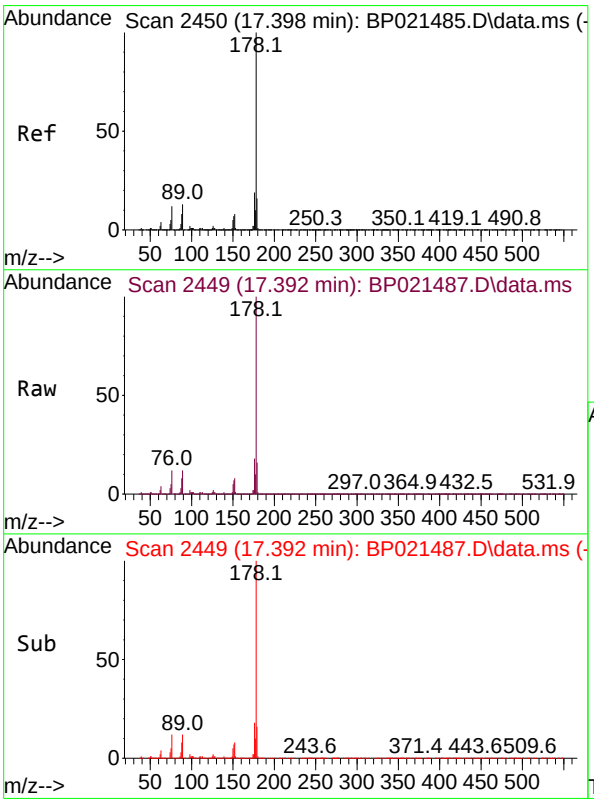
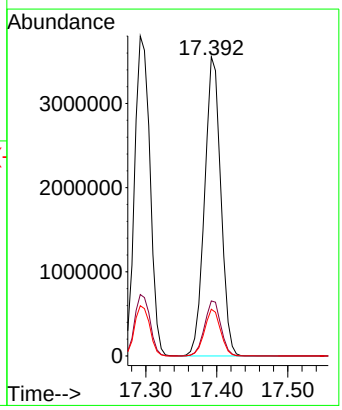
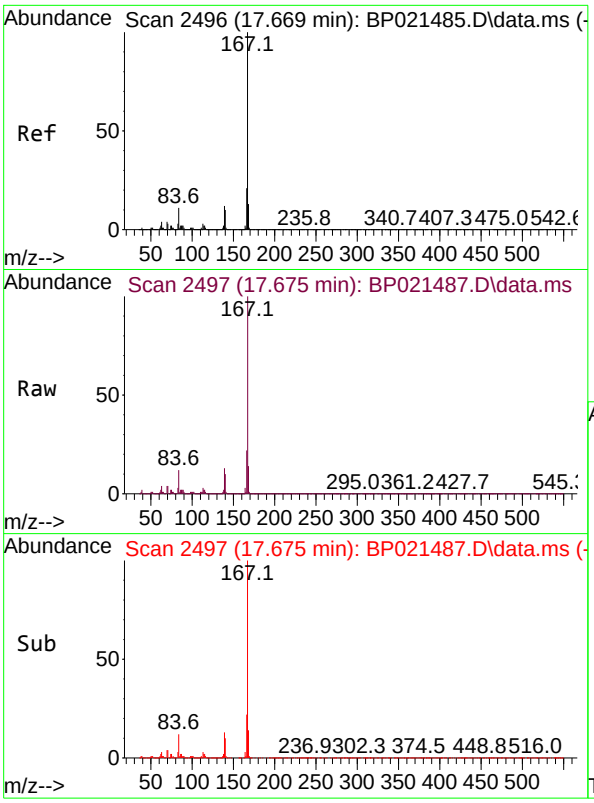


#72
Anthracene
Concen: 60.013 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 5636907

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.6	12.5	18.7

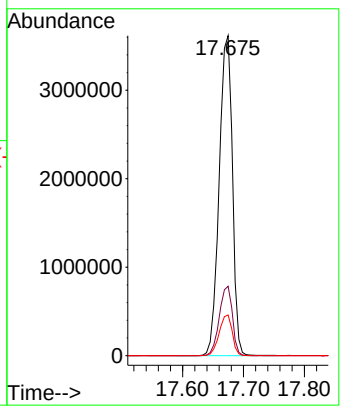




#73
Carbazole
Concen: 60.260 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:167 Resp: 545482

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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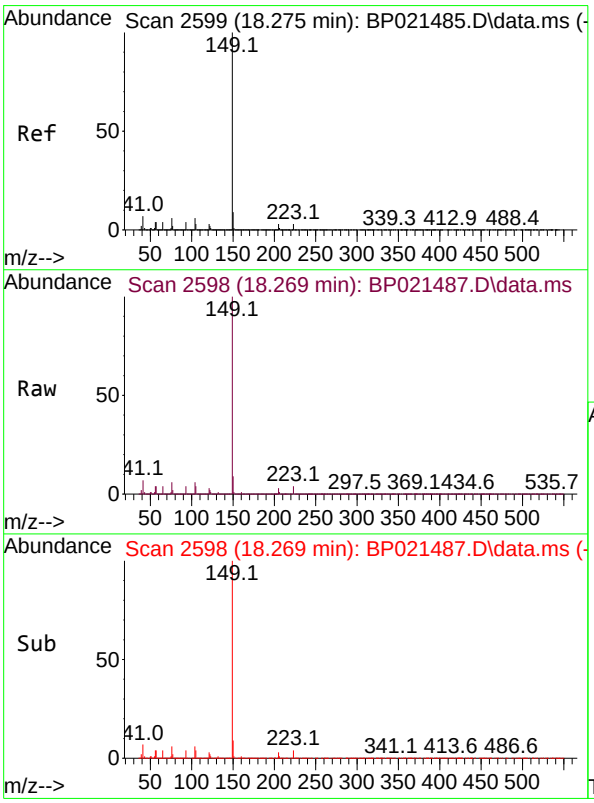
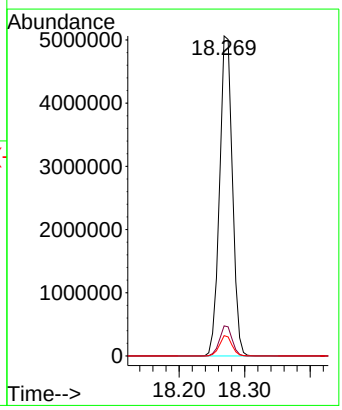
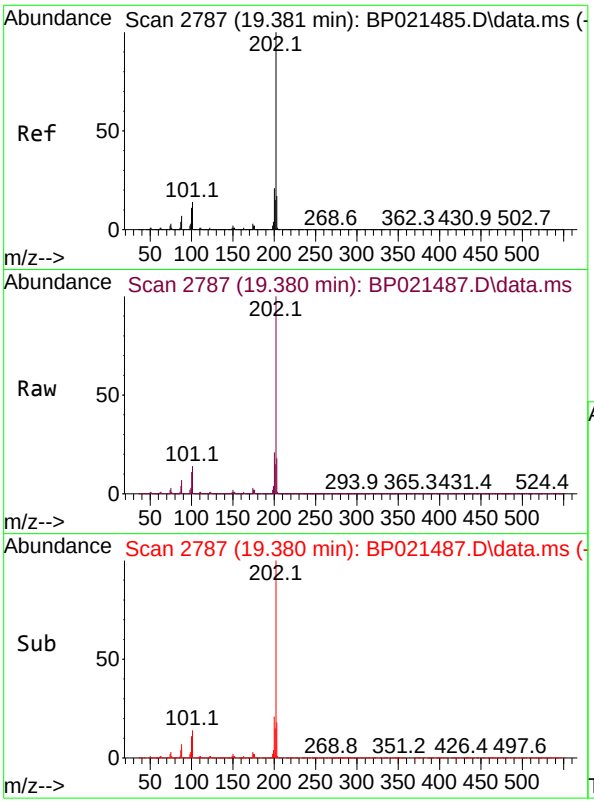


#74
Di-n-butylphthalate
Concen: 61.477 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 6834417

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.4	4.9	7.3

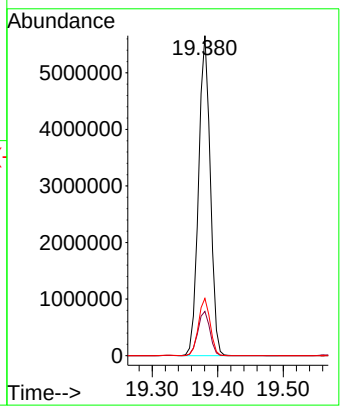




#75
Fluoranthene
Concen: 59.949 ng
RT: 19.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 704490

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	17.9	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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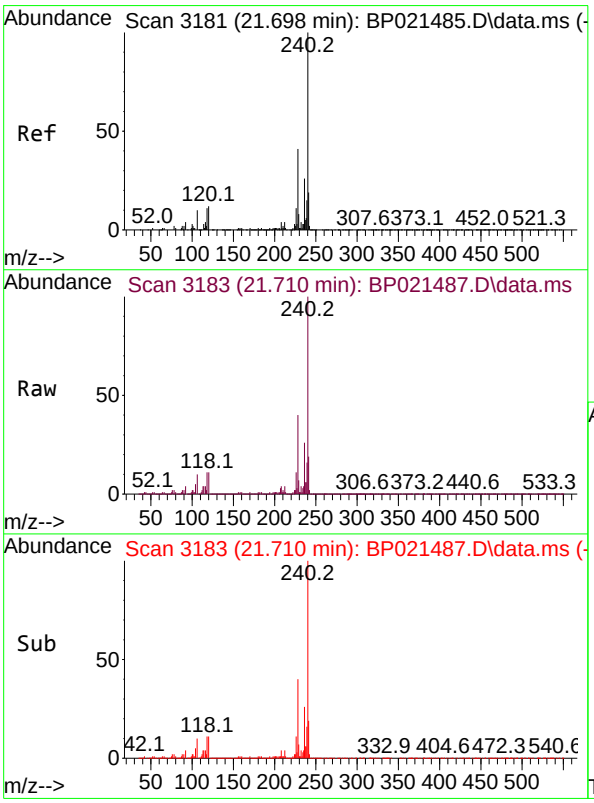
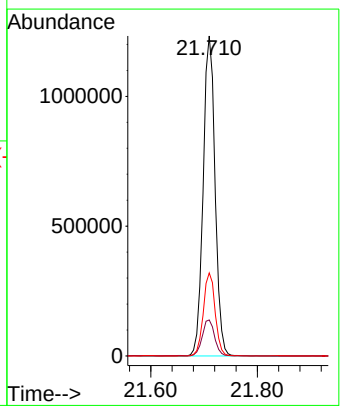
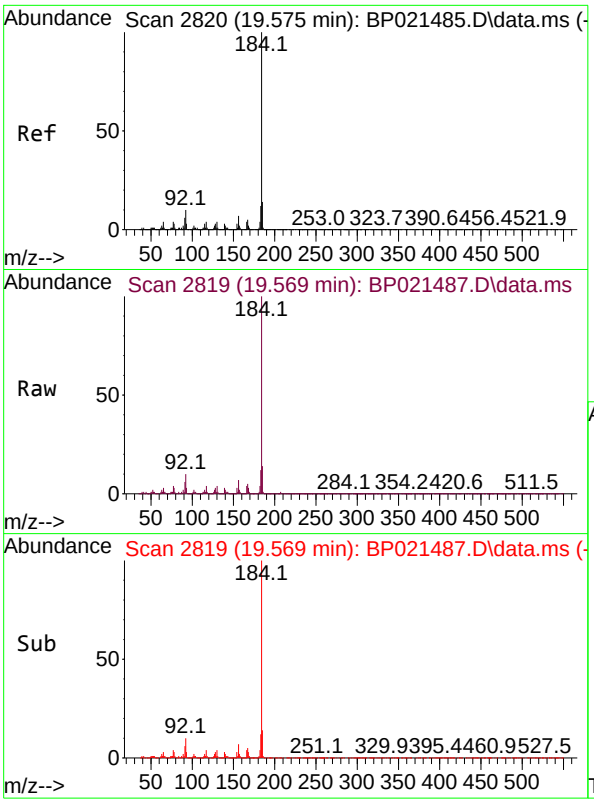


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:240 Resp: 1907005

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	26.0	20.6	30.8

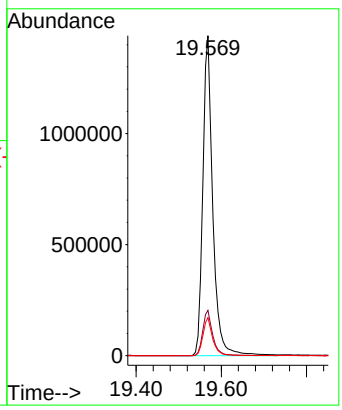




#77
Benzidine
Concen: 54.599 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 233483

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.9	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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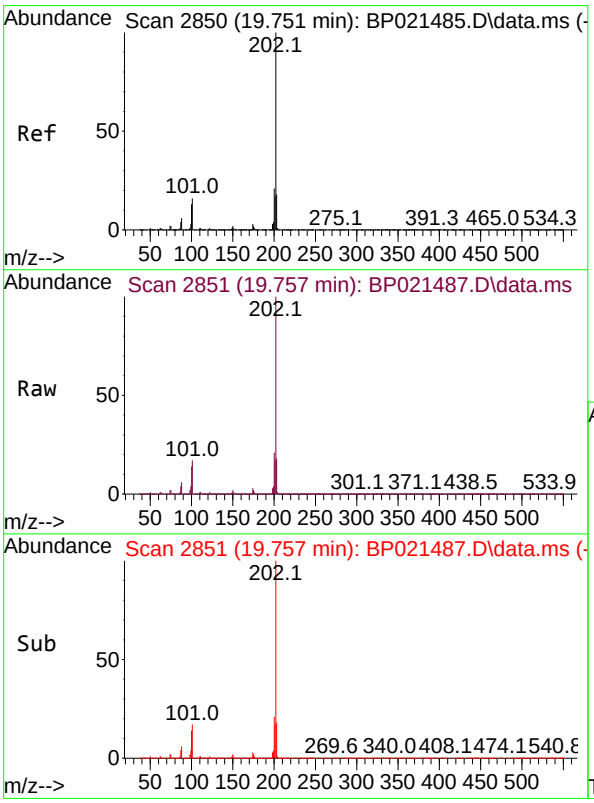
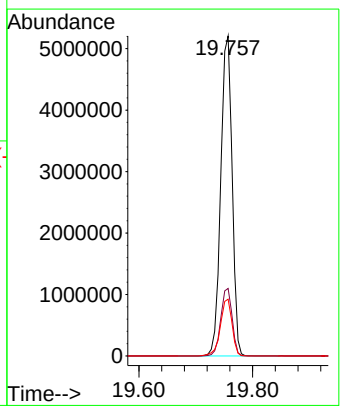
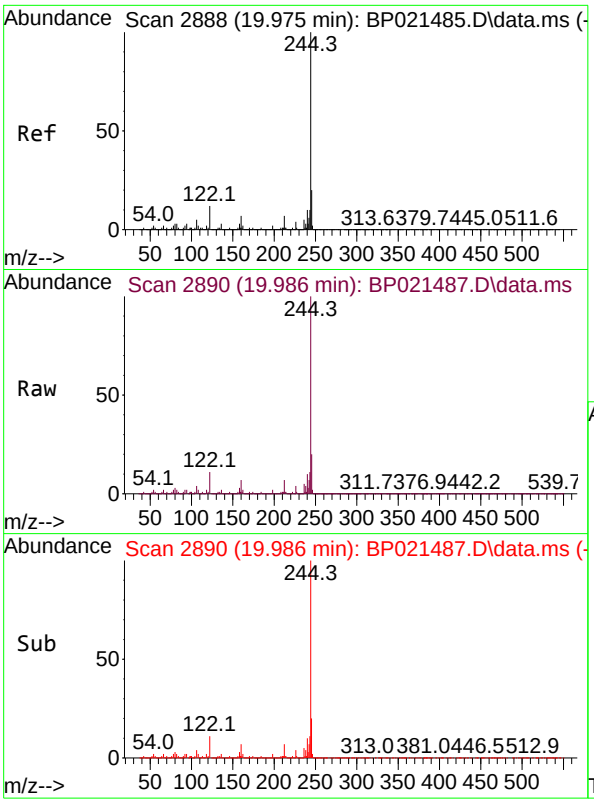


#78
Pyrene
Concen: 58.277 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 7263907

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.1	21.1

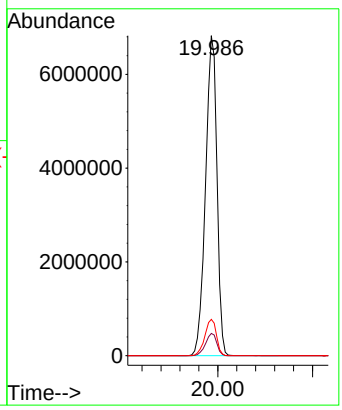




#79
Terphenyl-d14
Concen: 115.877 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:244 Resp:1137462

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.3	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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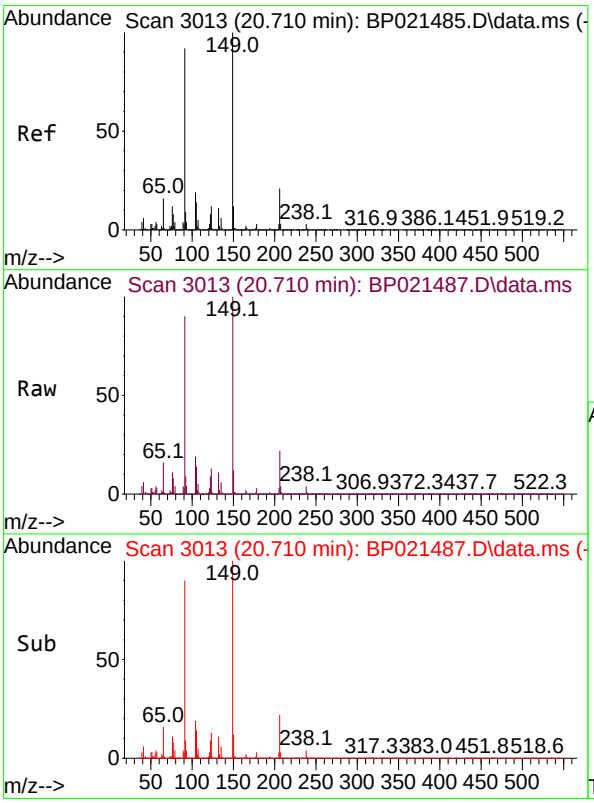
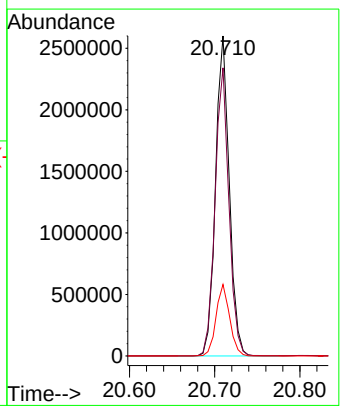
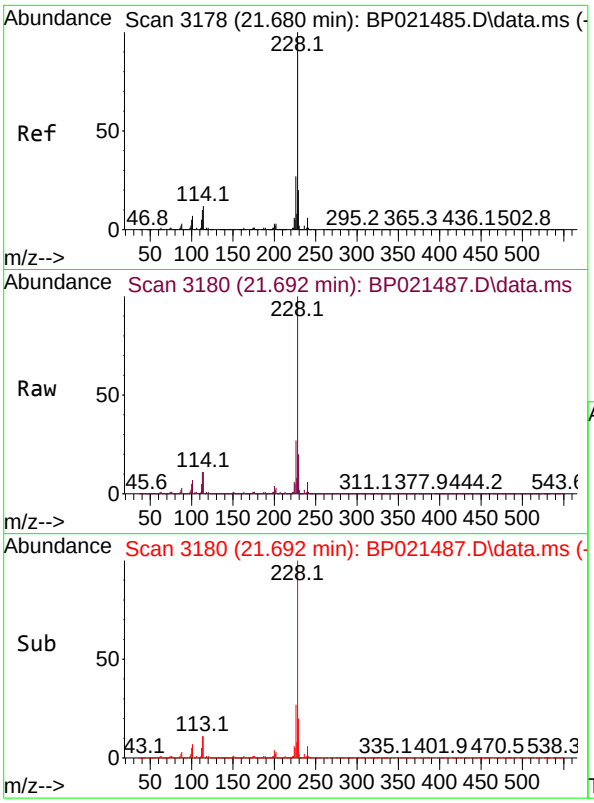


#80
Butylbenzylphthalate
Concen: 60.438 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 2906885

Ion	Ratio	Lower	Upper
149	100		
91	90.1	73.3	109.9
206	22.3	17.1	25.7





#81
Benzo(a)anthracene
Concen: 59.472 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:228 Resp: 711965

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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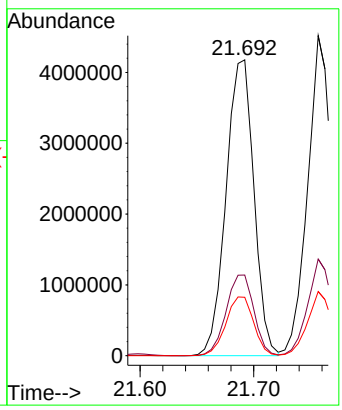
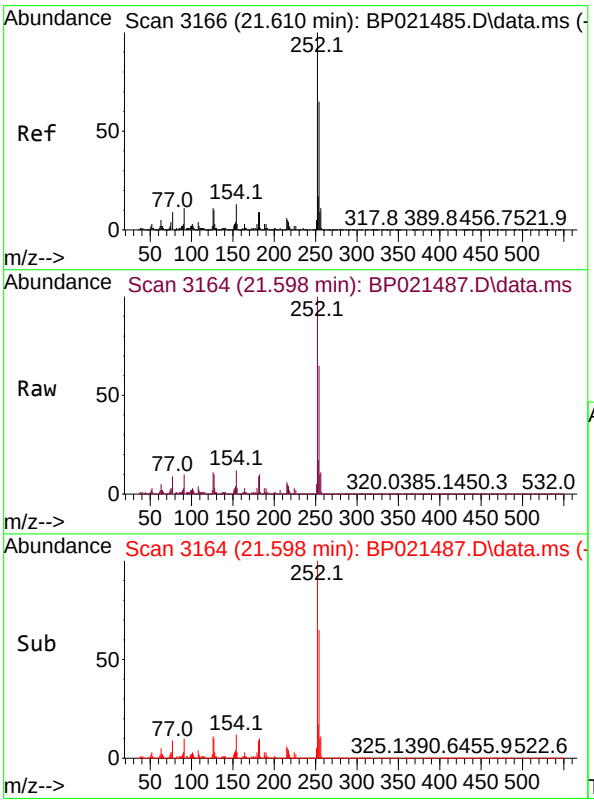
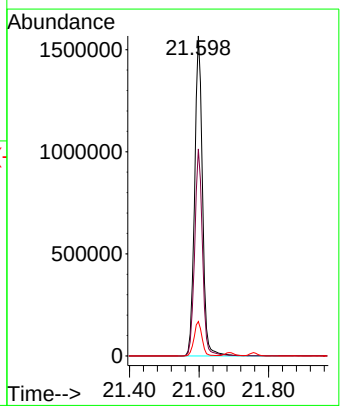


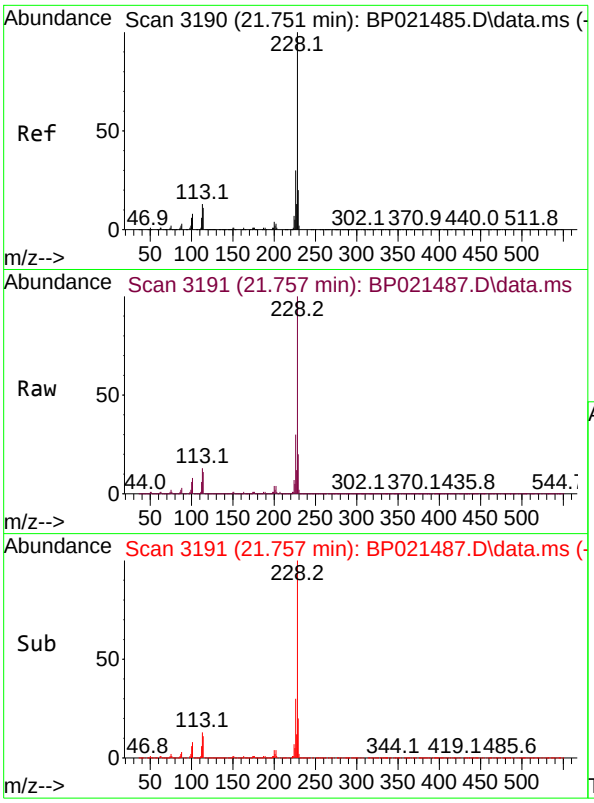


#82
3,3'-Dichlorobenzidine
Concen: 63.969 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 2455338

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	10.8	8.7	13.1

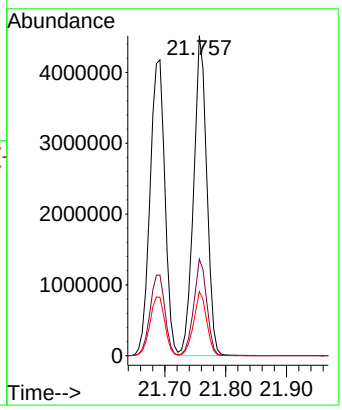




#83
Chrysene
Concen: 59.831 ng
RT: 21.757 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:228 Resp: 676256

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	20.1	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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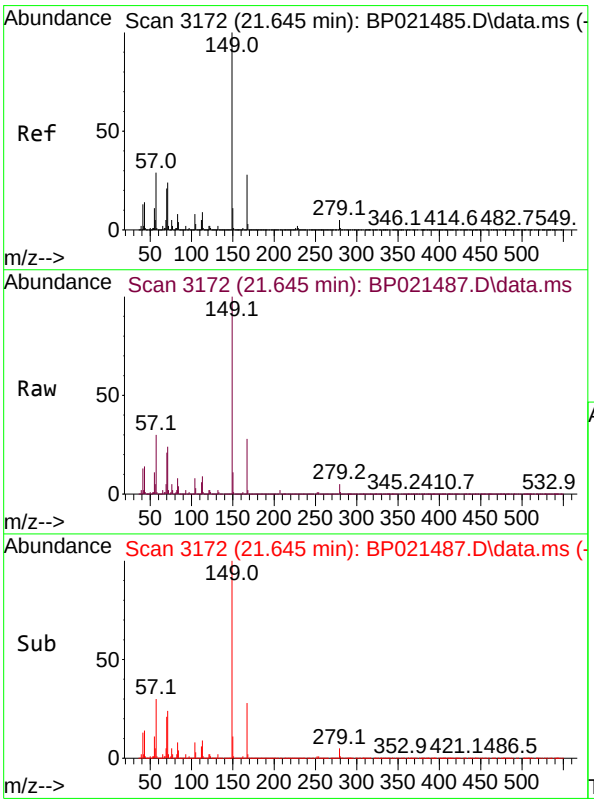
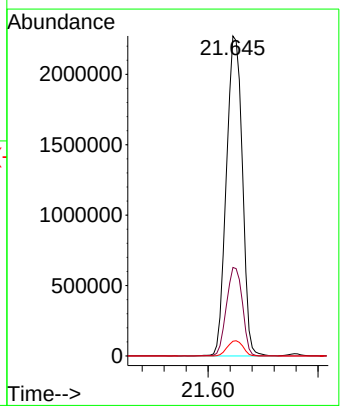
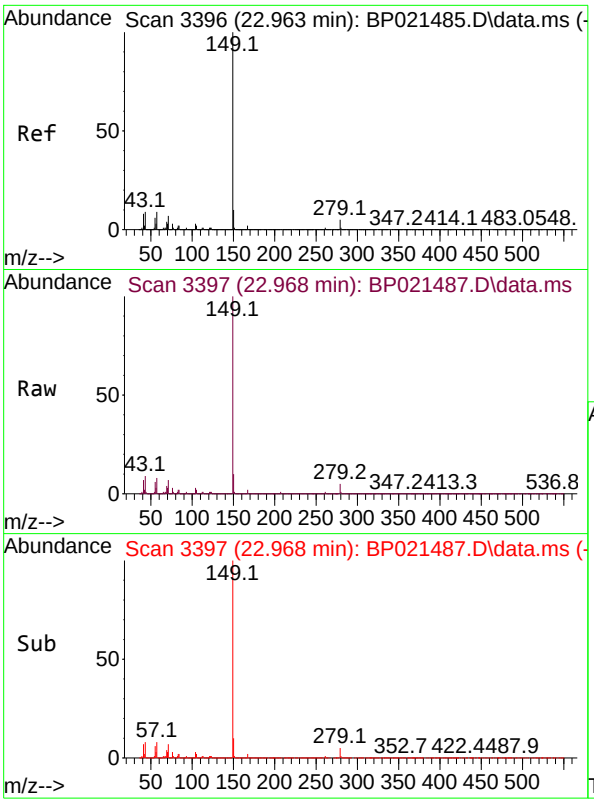


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.685 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 4576797

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 59.983 ng
RT: 22.968 min Scan# 3
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 762220

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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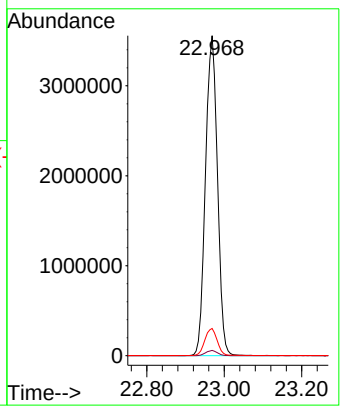
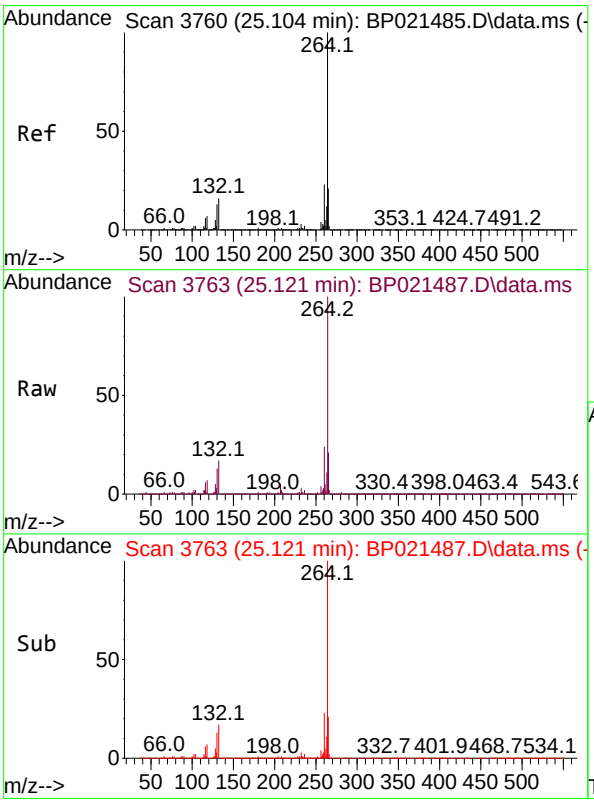
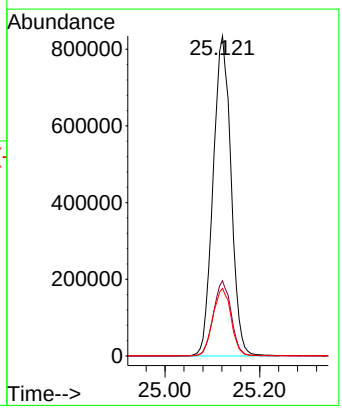


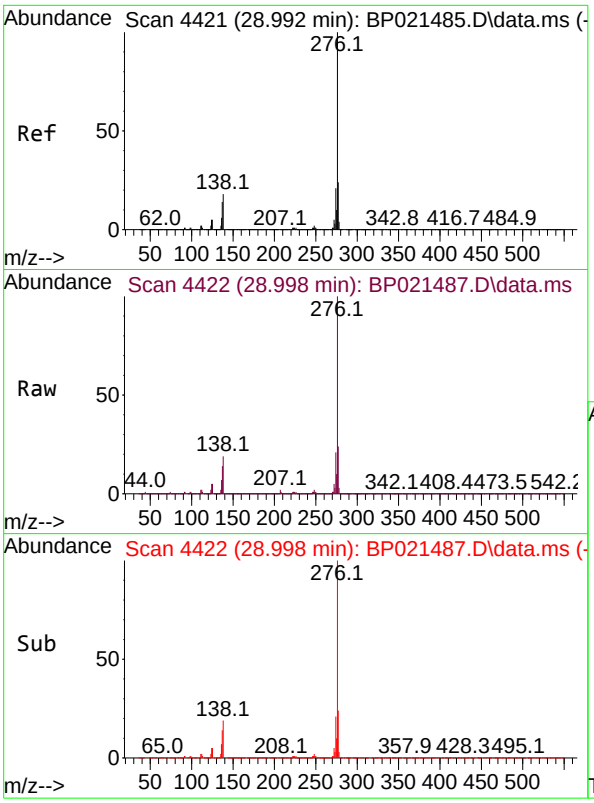


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:264 Resp: 2191159

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	17.1	25.7

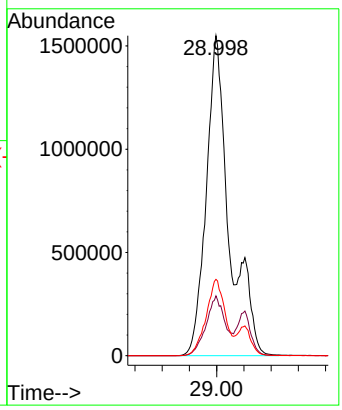




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.078 ng m
RT: 28.998 min Scan# 44
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 910034

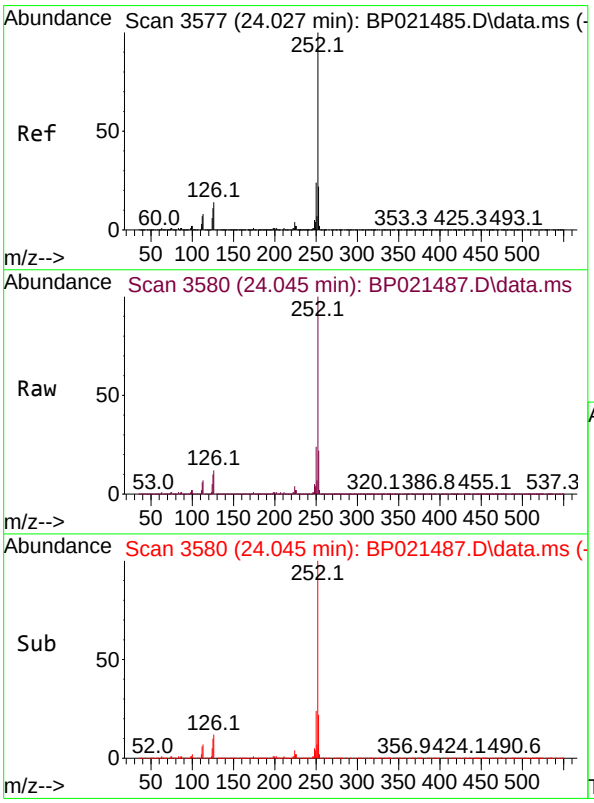
Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.8	19.2
277	19.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

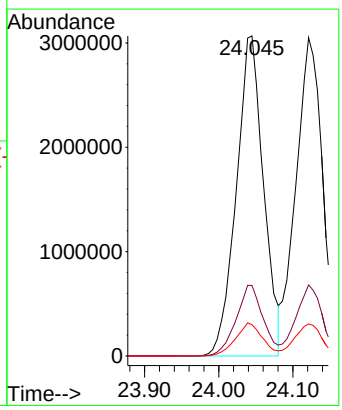
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

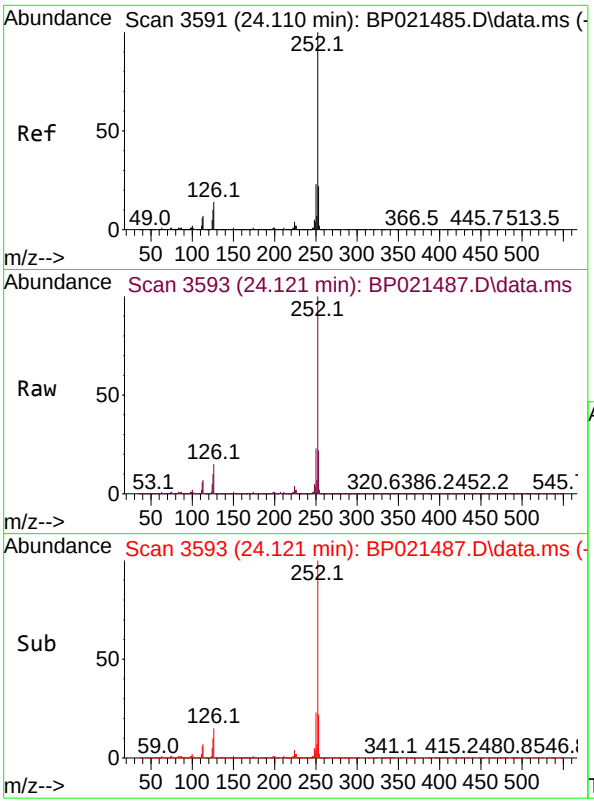


#88
Benzo(b)fluoranthene
Concen: 62.083 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 7812709

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.8	8.6	13.0

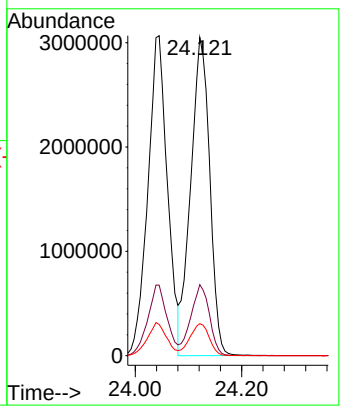




#89
Benzo(k)fluoranthene
Concen: 61.599 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 756196

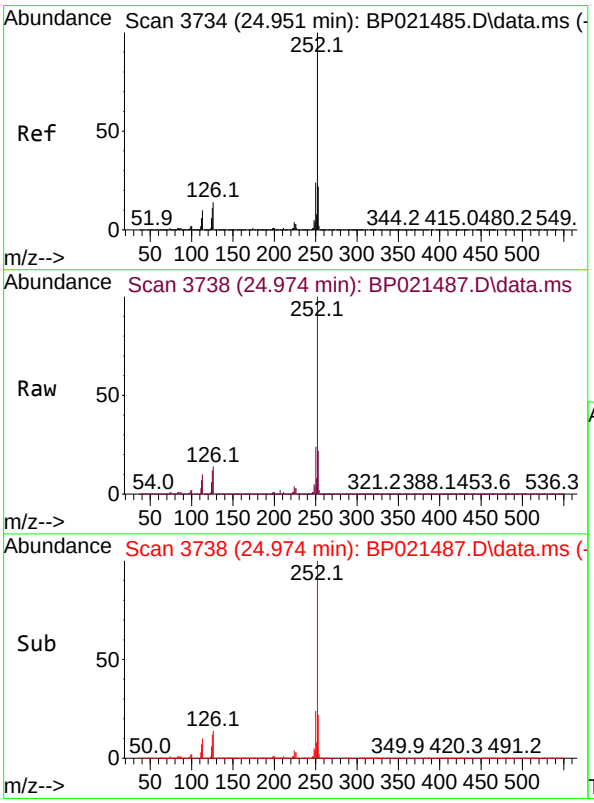
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

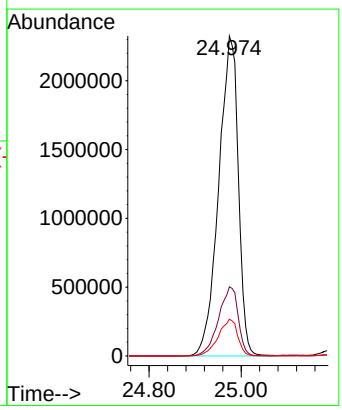
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

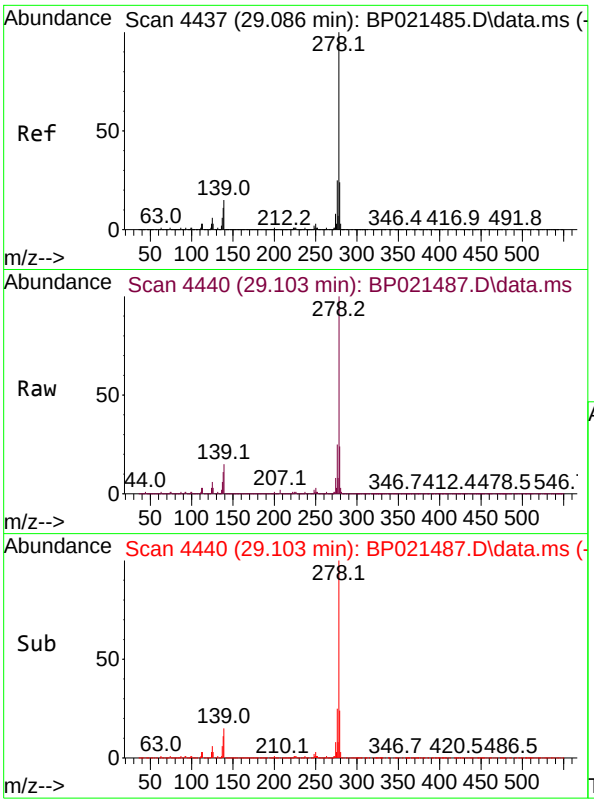


#90
Benzo(a)pyrene
Concen: 62.630 ng
RT: 24.974 min Scan# 3738
Delta R.T. 0.023 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 6839630

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	8.7	13.1

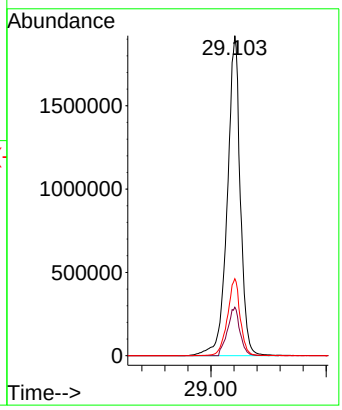




#91
Dibenzo(a,h)anthracene
Concen: 63.721 ng
RT: 29.103 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:278 Resp: 752000

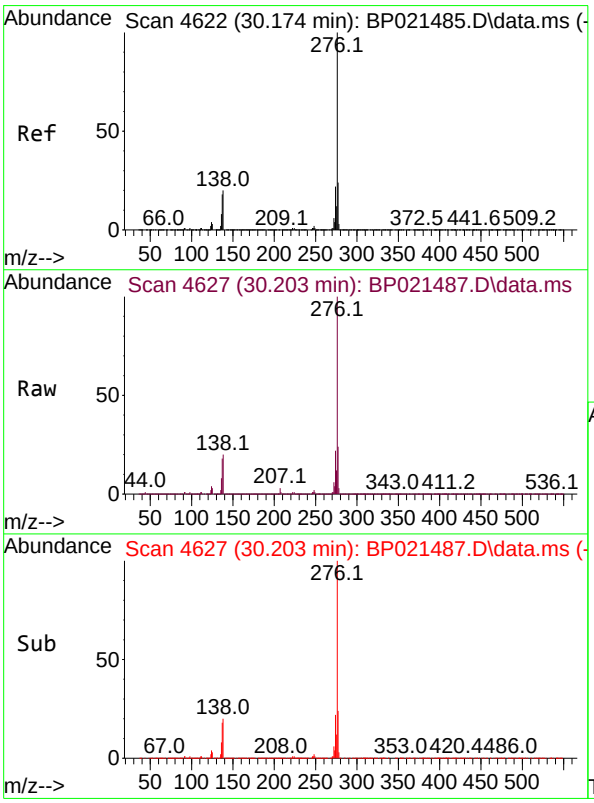
Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

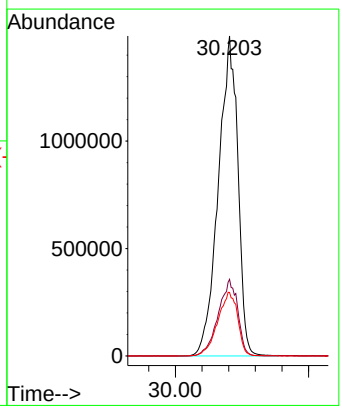
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 63.940 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 7563028

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	19.8	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	405636	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1590621	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	991938	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	2007991	20.000	ng	-0.01
76) Chrysene-d12	21.698	240	1834396	20.000	ng	0.00
86) Perylene-d12	25.110	264	2148798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	4326213	158.364	ng	0.00
7) Phenol-d6	6.969	99	6182538	155.142	ng	0.00
23) Nitrobenzene-d5	8.957	82	5476064	177.696	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1902622	172.341	ng	-0.02
45) 2-Fluorobiphenyl	13.063	172	9945684	153.020	ng	0.00
79) Terphenyl-d14	19.969	244	13720759	145.311	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	981936	75.807	ng	99
3) Pyridine	3.705	79	2799665m	77.425	ng	
4) n-Nitrosodimethylamine	3.617	42	842879	77.551	ng	100
6) Aniline	7.140	93	2987211	74.981	ng	99
8) 2-Chlorophenol	7.375	128	1999068	79.186	ng	100
10) Phenol	6.993	94	3198266	77.502	ng	98
11) bis(2-Chloroethyl)ether	7.234	93	2653675	75.997	ng	98
12) 1,3-Dichlorobenzene	7.699	146	2278631	75.987	ng	99
13) 1,4-Dichlorobenzene	7.840	146	2292726	75.717	ng	99
14) 1,2-Dichlorobenzene	8.158	146	2200854	75.423	ng	100
15) Benzyl Alcohol	8.040	79	2214742	77.457	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	2391178	74.359	ng	99
17) 2-Methylphenol	8.234	107	1995331	76.484	ng	100
18) Hexachloroethane	8.887	117	957451	78.852	ng	98
19) n-Nitroso-di-n-propyla...	8.610	70	1923242	69.865	ng	99
20) 3+4-Methylphenols	8.563	107	2709790	77.033	ng	99
22) Acetophenone	8.622	105	3753281	76.808	ng	99
24) Nitrobenzene	8.999	77	2888411	86.298	ng	97
25) Isophorone	9.522	82	5496234	75.494	ng	100
27) 2,4-Dimethylphenol	9.763	122	1443721	80.354	ng	99
28) bis(2-Chloroethoxy)met...	10.004	93	3455210	77.749	ng	99
29) 2,4-Dichlorophenol	10.240	162	1832311	86.313	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	2181467	80.153	ng	99
31) Naphthalene	10.646	128	6530682	78.593	ng	99
32) Benzoic acid	9.922	122	1191515	79.618	ng	99
33) 4-Chloroaniline	10.746	127	2421138	77.568	ng	99
34) Hexachlorobutadiene	10.946	225	1379696	80.513	ng	97
35) Caprolactam	11.522	113	702638m	79.529	ng	
36) 4-Chloro-3-methylphenol	11.869	107	2368621	80.436	ng	98
37) 2-Methylnaphthalene	12.257	142	4347439	76.659	ng	100
38) 1-Methylnaphthalene	12.481	142	4237982	75.769	ng	99
40) 1,2,4,5-Tetrachloroben...	12.628	216	2395337	82.416	ng	100
41) Hexachlorocyclopentadiene	12.616	237	847184	91.971	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	1454749	90.107	ng	100
44) 2,4,5-Trichlorophenol	12.928	196	1603816	89.412	ng	97
46) 1,1'-Biphenyl	13.275	154	5498161	78.343	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.310	162	4315309	78.980	ng		99
48) 2-Nitroaniline	13.504	65	1301093	81.000	ng		93
49) Acenaphthylene	14.169	152	6229370	77.556	ng		100
50) Dimethylphthalate	13.904	163	5104657	76.844	ng		99
51) 2,6-Dinitrotoluene	14.010	165	1121870	80.745	ng		97
52) Acenaphthene	14.510	154	4136001	78.480	ng		99
53) 3-Nitroaniline	14.340	138	1100154	80.567	ng	#	95
54) 2,4-Dinitrophenol	14.545	184	370353	79.528	ng		92
55) Dibenzofuran	14.851	168	6247950	77.067	ng		99
56) 4-Nitrophenol	14.640	139	885944	80.388	ng		97
57) 2,4-Dinitrotoluene	14.804	165	1449693	81.172	ng		96
58) Fluorene	15.510	166	4891299	73.441	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	1322486	86.863	ng		100
60) Diethylphthalate	15.292	149	5198353	76.268	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	2556419	74.256	ng		98
62) 4-Nitroaniline	15.522	138	1101954	79.329	ng		94
63) Azobenzene	15.804	77	6169252	73.633	ng		97
65) 4,6-Dinitro-2-methylph...	15.575	198	600088	79.442	ng		100
66) n-Nitrosodiphenylamine	15.722	169	4264380	79.247	ng		99
67) 4-Bromophenyl-phenylether	16.416	248	1731598	81.480	ng		98
68) Hexachlorobenzene	16.534	284	1994136	79.402	ng		99
69) Atrazine	16.698	200	1395641	75.542	ng		98
70) Pentachlorophenol	16.881	266	1256277	91.649	ng		100
71) Phenanthrene	17.286	178	7482235	77.481	ng		99
72) Anthracene	17.381	178	7350512	77.613	ng		100
73) Carbazole	17.651	167	7163944	78.491	ng		99
74) Di-n-butylphthalate	18.257	149	9044596	80.689	ng		100
75) Fluoranthene	19.369	202	9185836	77.525	ng		99
77) Benzidine	19.557	184	3000610	82.290	ng		99
78) Pyrene	19.745	202	9406096	78.450	ng		99
80) Butylbenzylphthalate	20.704	149	3806046	80.964	ng		98
81) Benzo(a)anthracene	21.680	228	9116699	79.168	ng		98
82) 3,3'-Dichlorobenzidine	21.598	252	3092890	83.768	ng		100
83) Chrysene	21.751	228	8577622	78.894	ng		98
84) Bis(2-ethylhexyl)phtha...	21.639	149	6062099	89.068	ng		100
85) Di-n-octyl phthalate	22.957	149	10099312	80.797	ng		99
87) Indeno(1,2,3-cd)pyrene	29.009	276	11599453m	83.285	ng		
88) Benzo(b)fluoranthene	24.045	252	9994213	80.984	ng		100
89) Benzo(k)fluoranthene	24.121	252	9544162	79.279	ng		99
90) Benzo(a)pyrene	24.962	252	8757562	81.773	ng		100
91) Dibenzo(a,h)anthracene	29.098	278	9530458	82.349	ng		100
92) Benzo(g,h,i)perylene	30.209	276	9695156	83.581	ng		100

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

ICAL Form

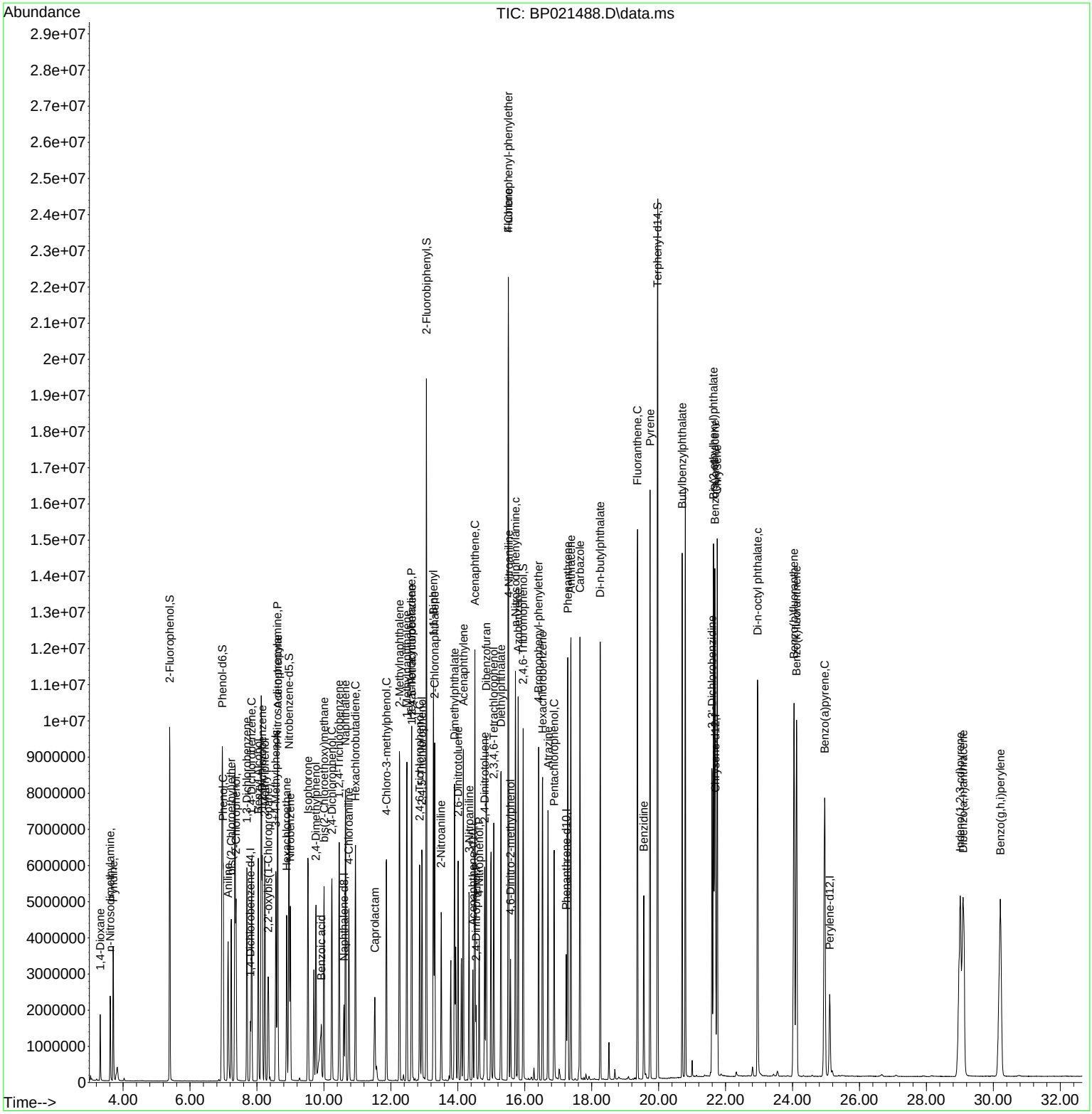
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

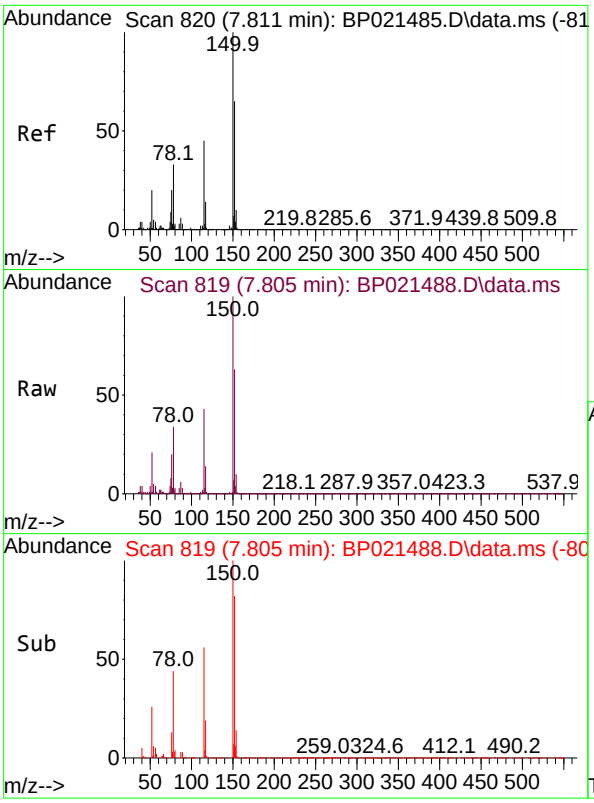
Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

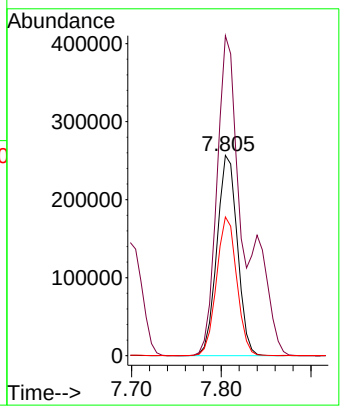




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 40563

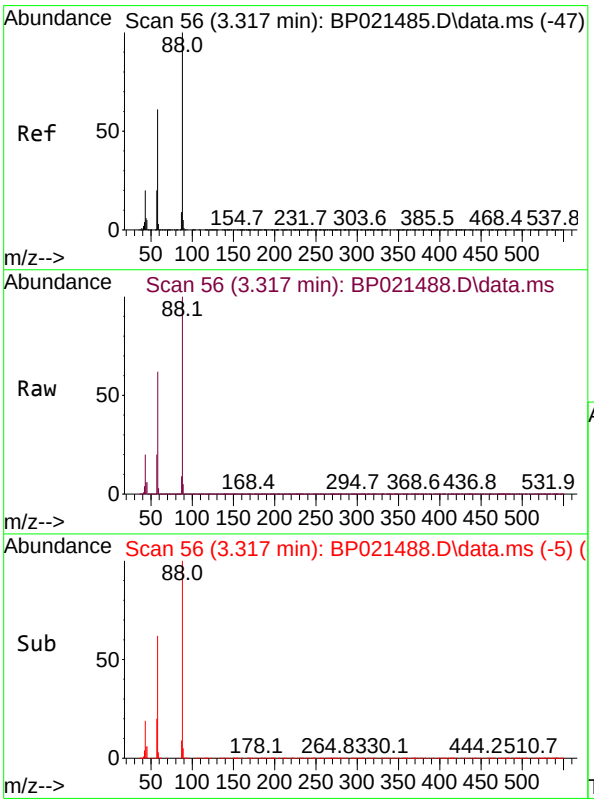
Ion	Ratio	Lower	Upper
152	100		
150	159.8	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

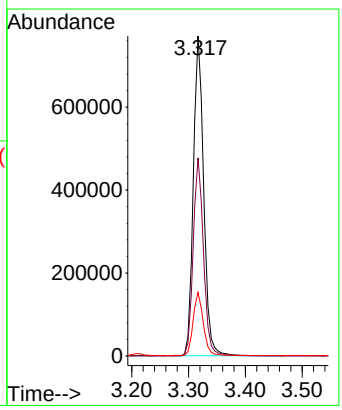
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

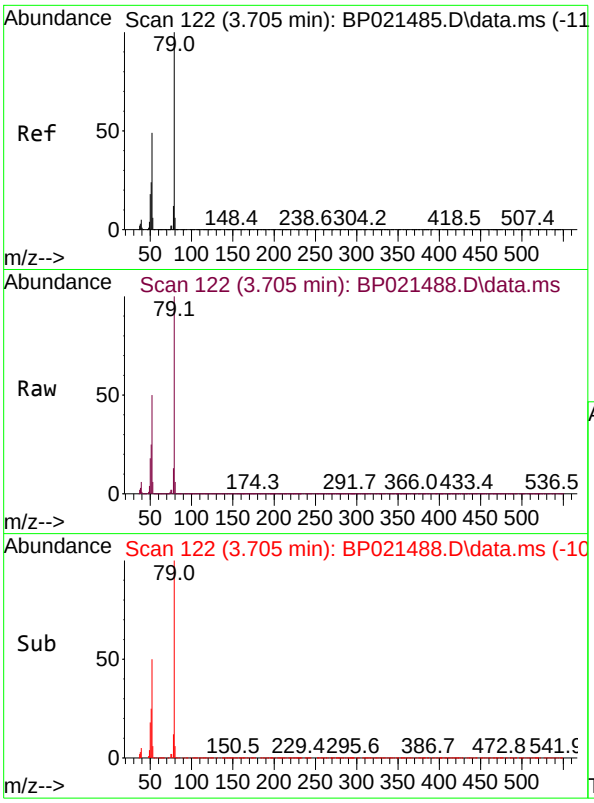


#2
1,4-Dioxane
Concen: 75.807 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 88 Resp: 981936

Ion	Ratio	Lower	Upper
88	100		
58	61.6	48.7	73.1
43	19.6	15.4	23.2

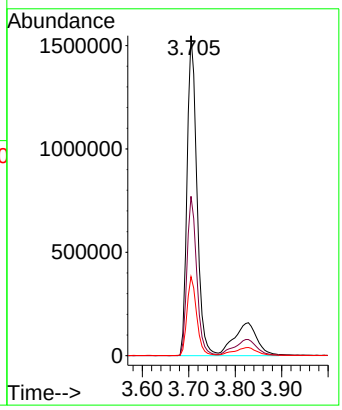




#3
Pyridine
Concen: 77.425 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 279966

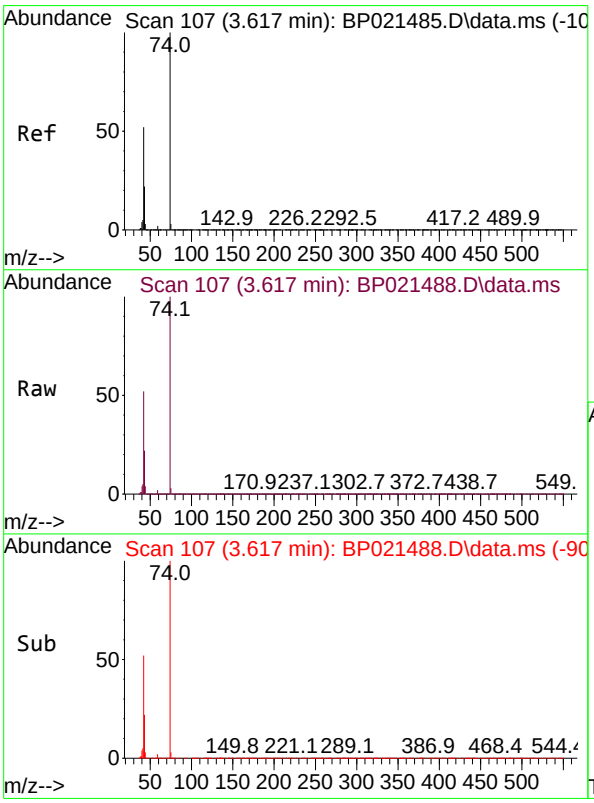
Ion	Ratio	Lower	Upper
79	100		
52	49.8	39.0	58.6
51	24.7	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

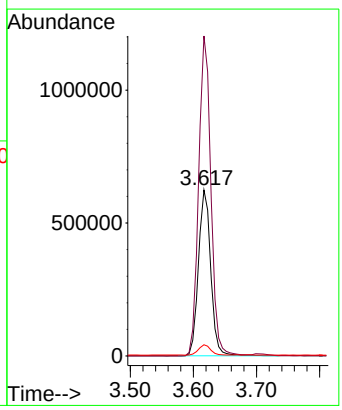
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

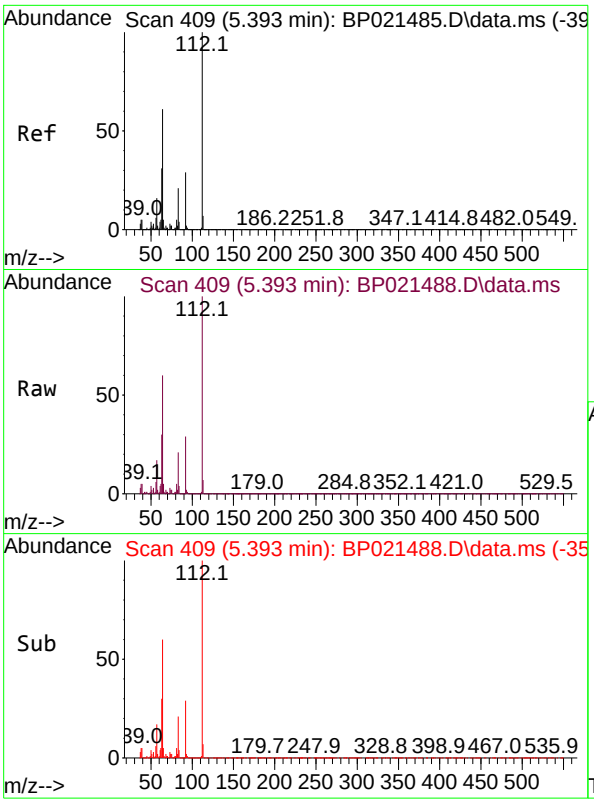


#4
n-Nitrosodimethylamine
Concen: 77.551 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 42 Resp: 842879

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	6.8	6.2	9.4

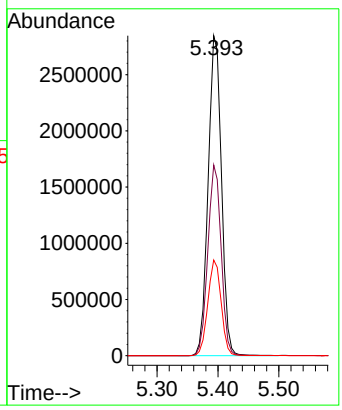




#5
2-Fluorophenol
Concen: 158.364 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:112 Resp: 432621

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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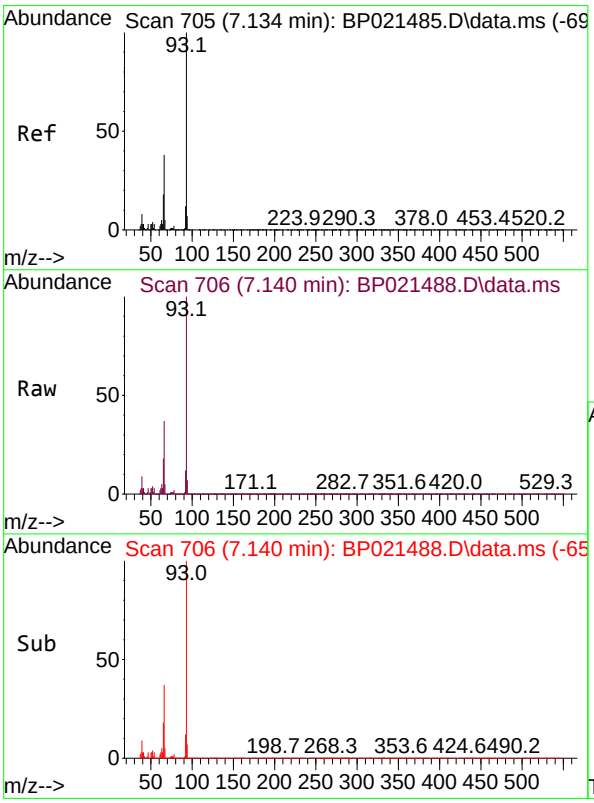
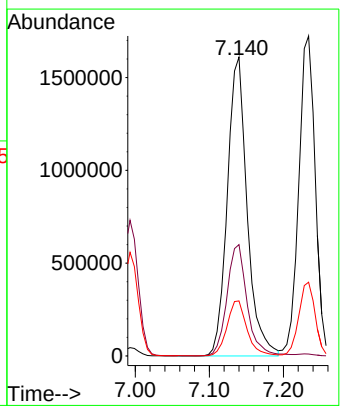
Supervised By :mohammad ahmed 08/14/2024

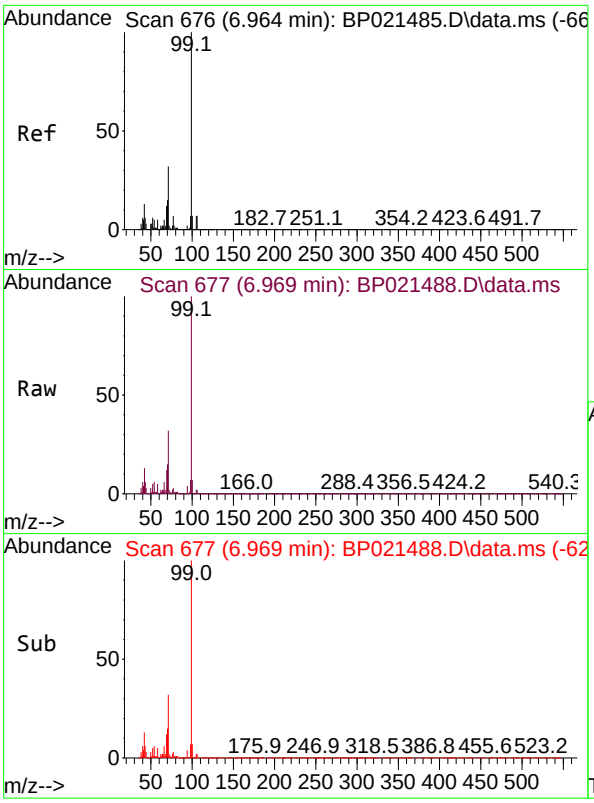


#6
Aniline
Concen: 74.981 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2987211

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.2	45.2
65	18.4	14.7	22.1

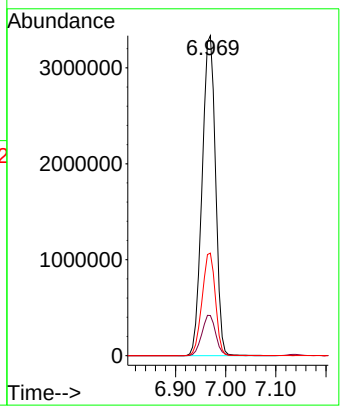




#7
Phenol-d6
Concen: 155.142 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 99 Resp: 618253

Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	32.1	25.8	38.8



Instrument :
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ClientSampleId :
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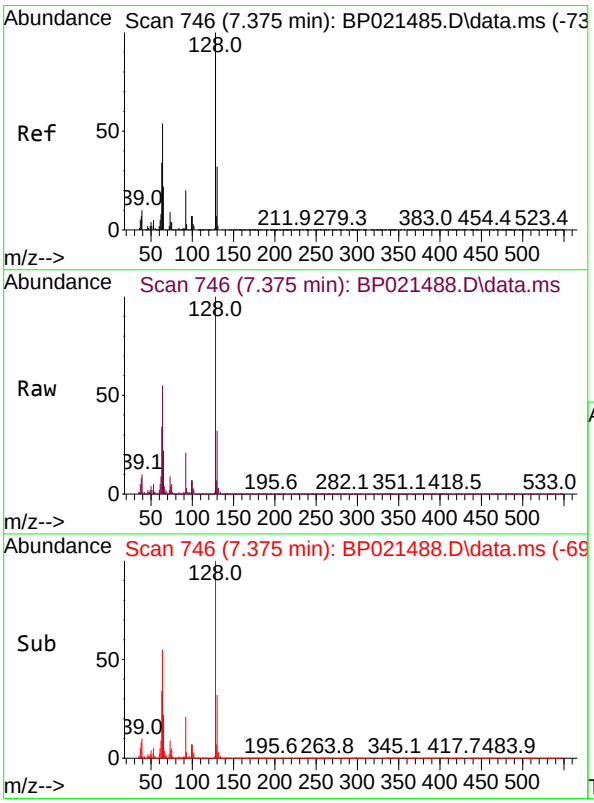
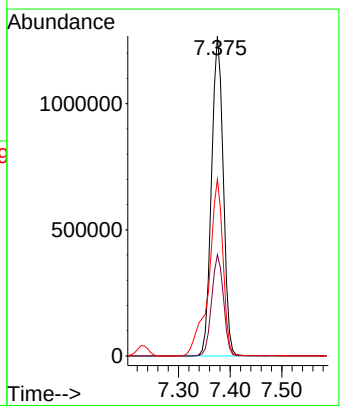
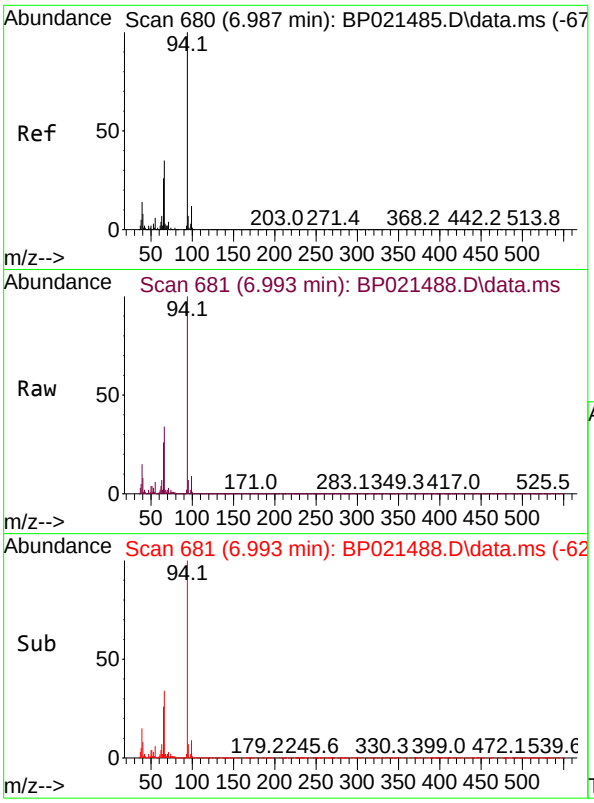


#8
2-Chlorophenol
Concen: 79.186 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:128 Resp: 1999068

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	55.2	35.3	75.3

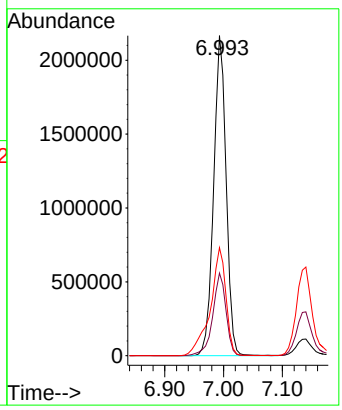




#10
Phenol
Concen: 77.502 ng
RT: 6.993 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 94 Resp: 319826

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.7	14.7	54.7



Instrument :
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ClientSampleId :
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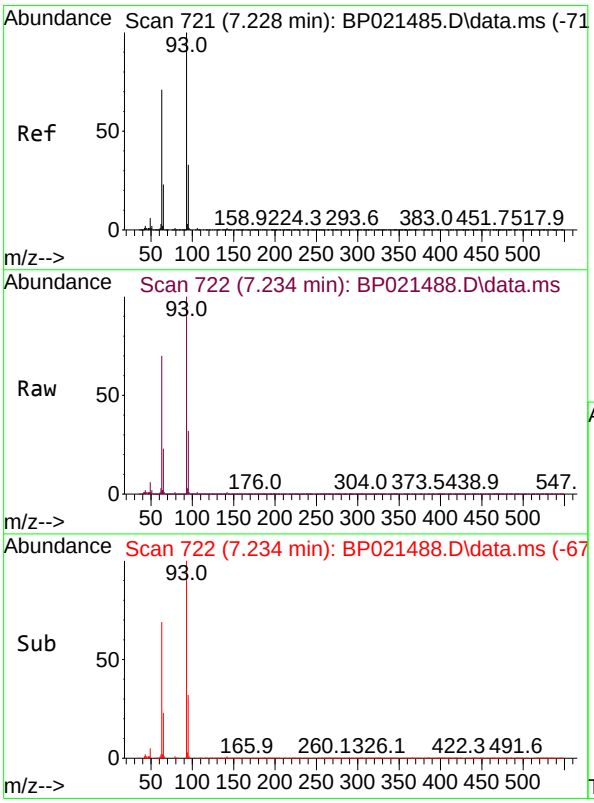
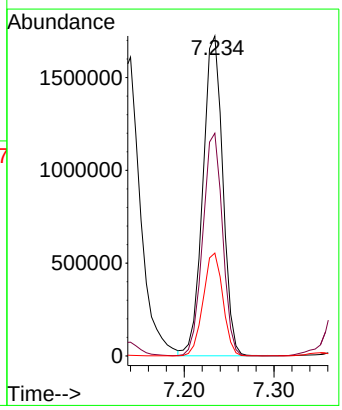
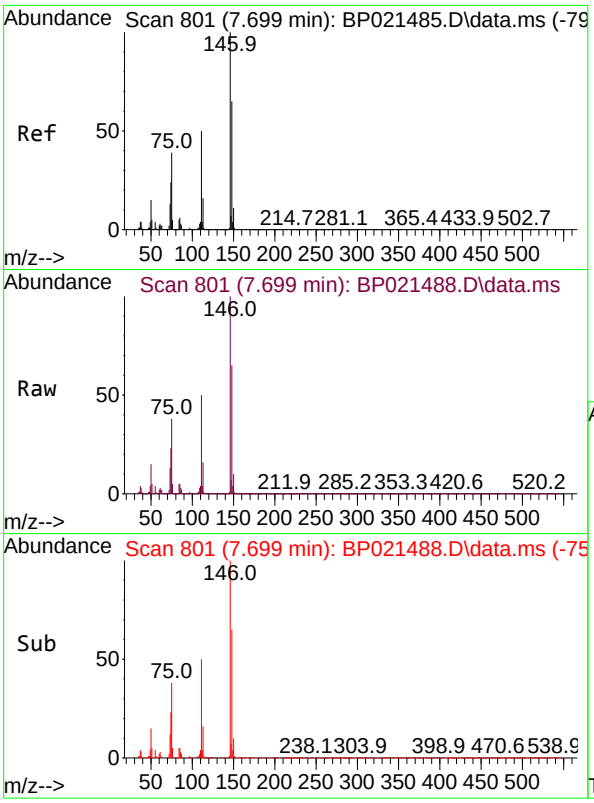


#11
bis(2-Chloroethyl)ether
Concen: 75.997 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2653675

Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.2	12.9	52.9





#12
1,3-Dichlorobenzene
Concen: 75.987 ng
RT: 7.699 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 227863

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
75	38.2	31.3	46.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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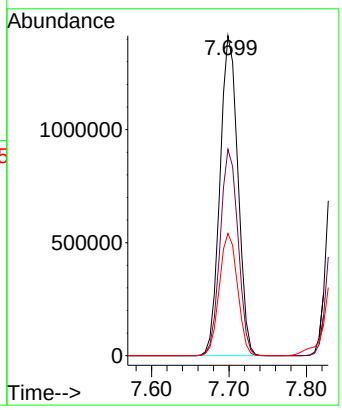
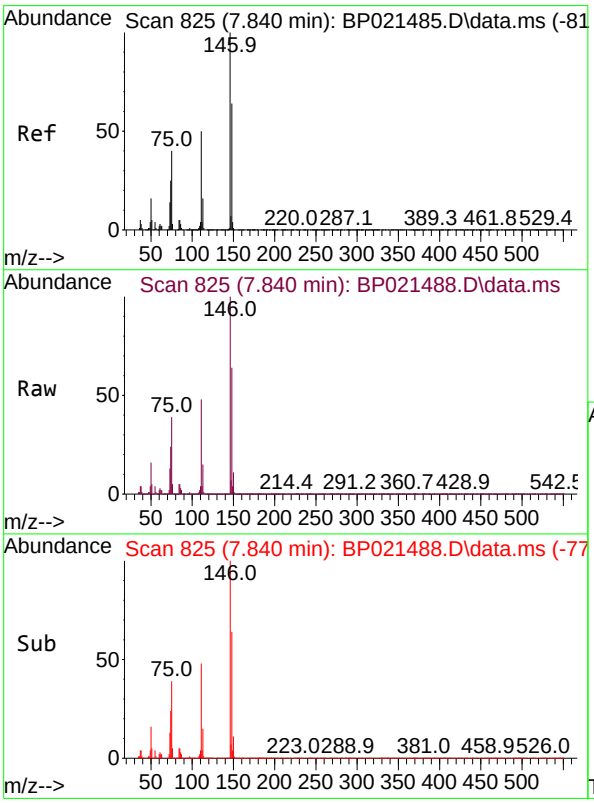
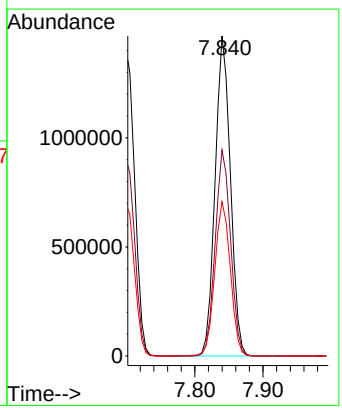


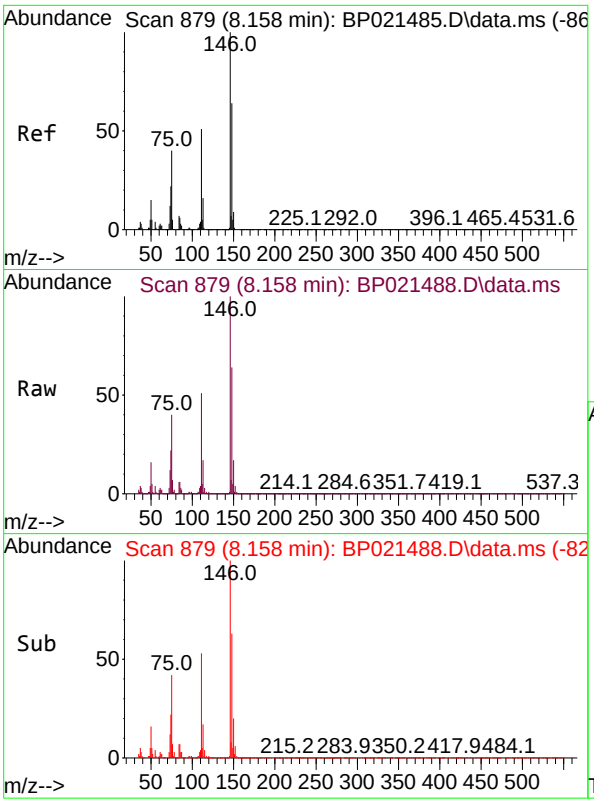


#13
1,4-Dichlorobenzene
Concen: 75.717 ng
RT: 7.840 min Scan# 825
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 2292726

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	48.2	40.3	60.5

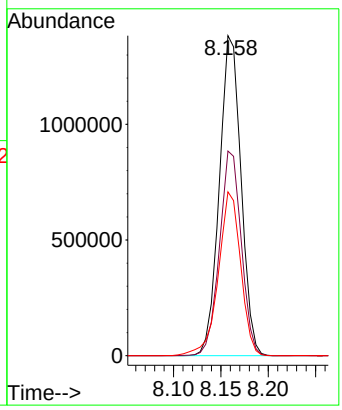




#14
1,2-Dichlorobenzene
Concen: 75.423 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 220085

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	51.2	41.1	61.7



Instrument :
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ClientSampleId :
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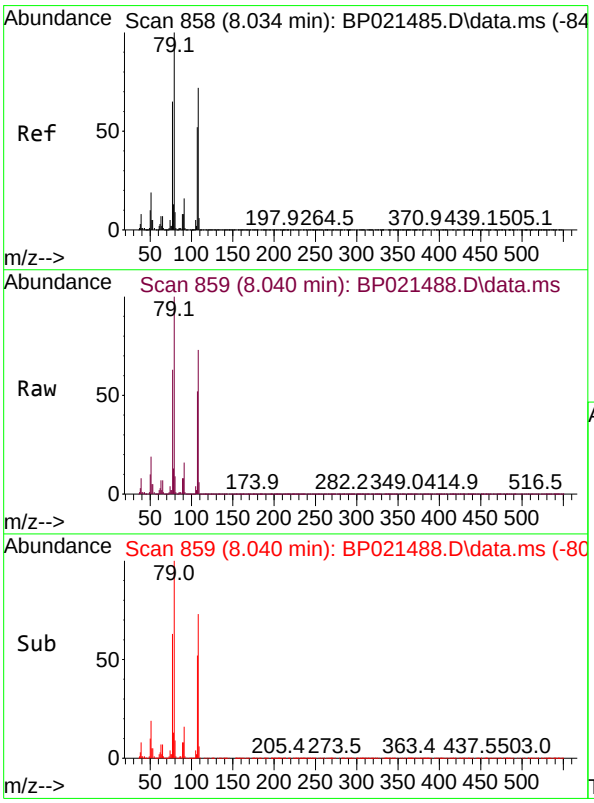
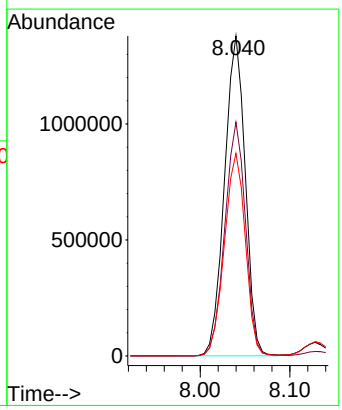
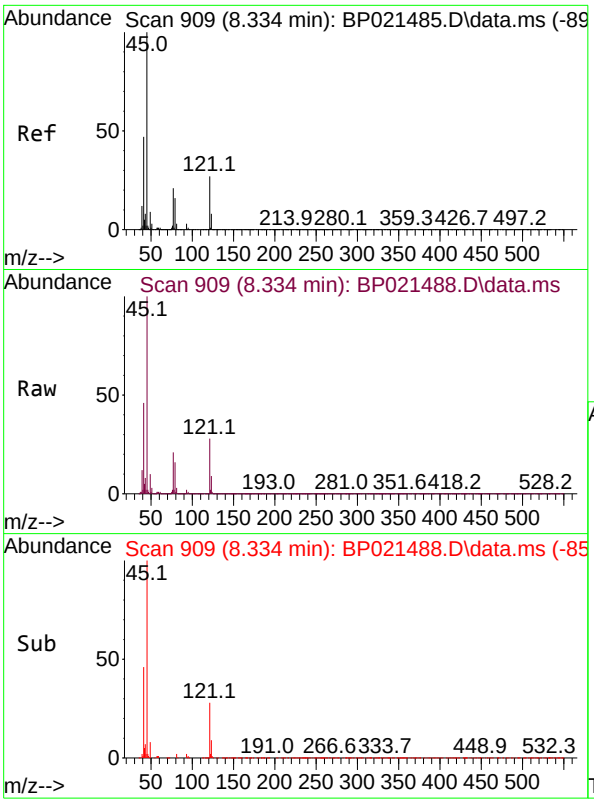


#15
Benzyl Alcohol
Concen: 77.457 ng
RT: 8.040 min Scan# 859
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 2214742

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.9	86.9
77	63.3	51.8	77.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.359 ng
RT: 8.334 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 239117

Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.2	0.0	36.6

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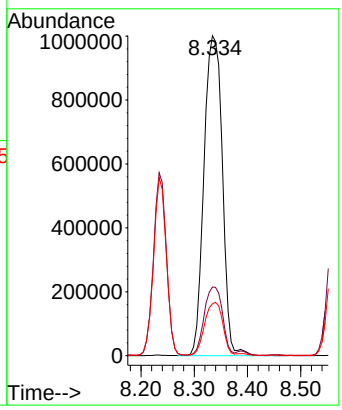
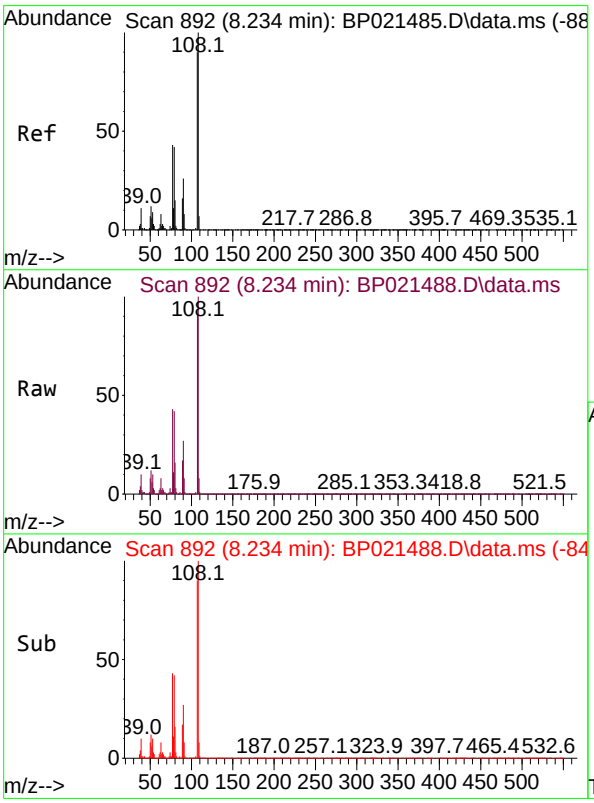
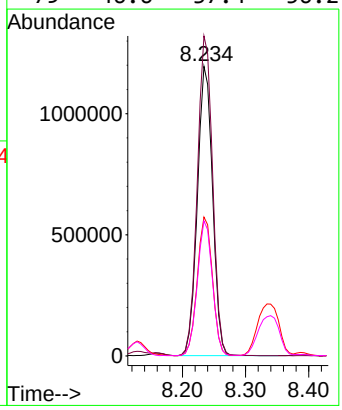


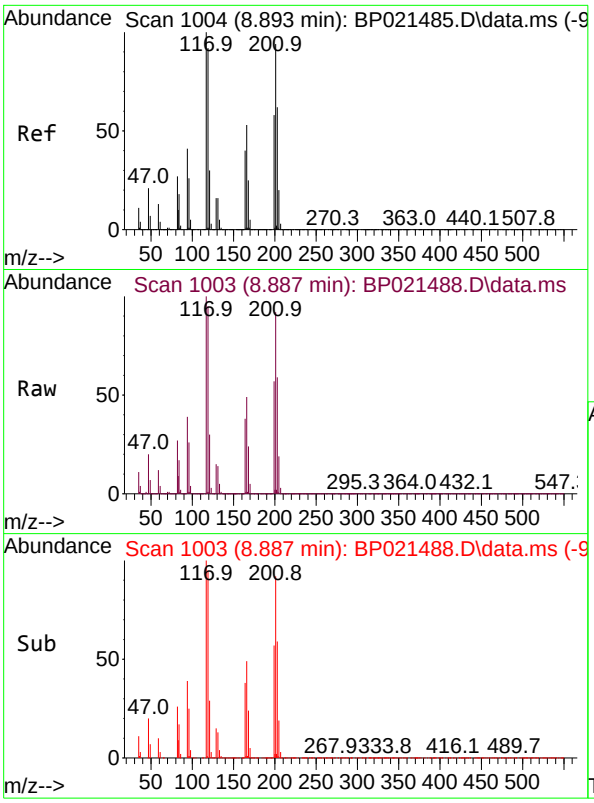


#17
2-Methylphenol
Concen: 76.484 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 1995331

Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.8	133.2
77	47.9	38.7	58.1
79	46.6	37.4	56.2

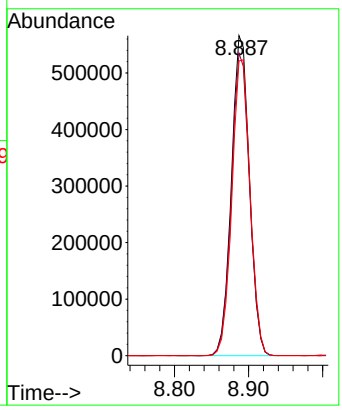




#18
Hexachloroethane
Concen: 78.852 ng
RT: 8.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:117 Resp: 95745

Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.9	110.9
201	92.1	74.9	112.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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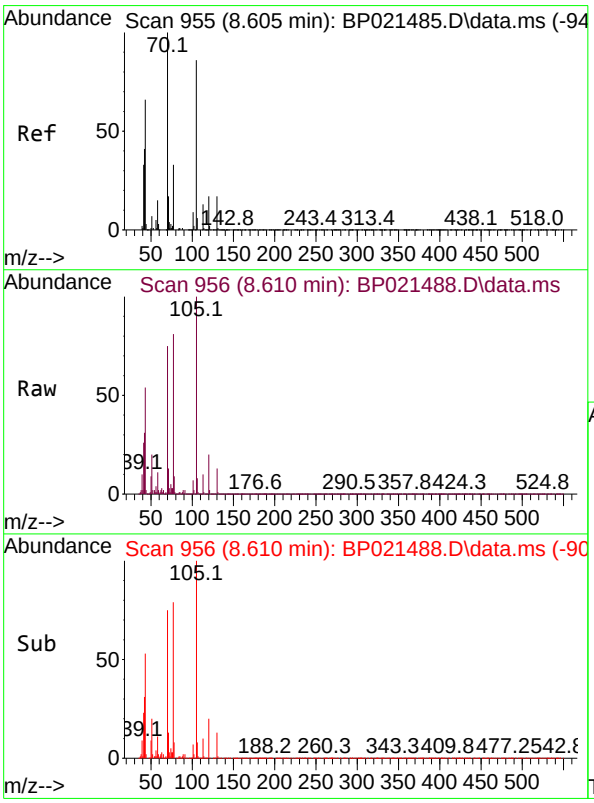
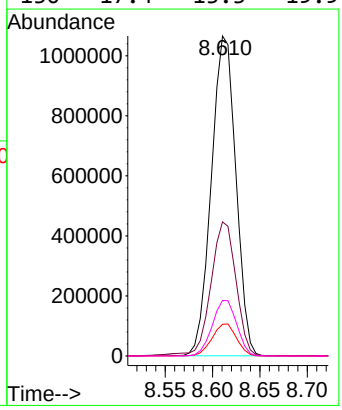
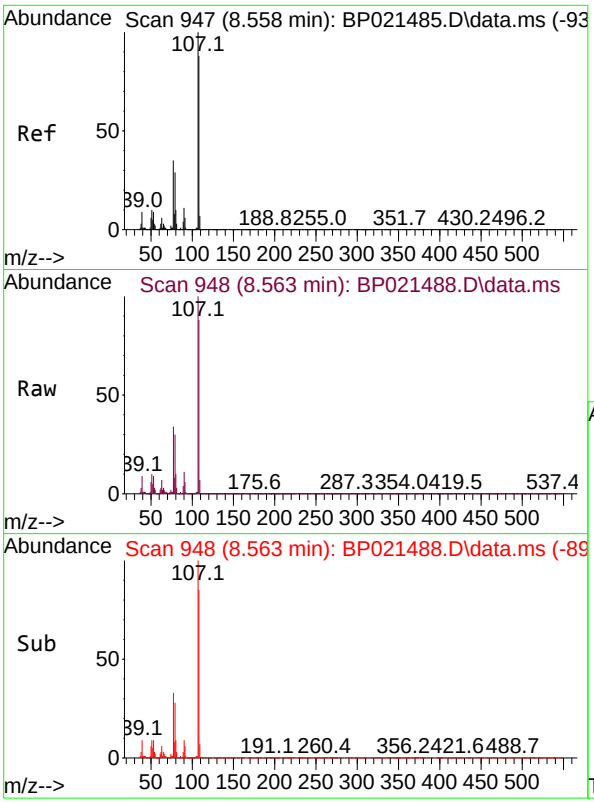


#19
n-Nitroso-di-n-propylamine
Concen: 69.865 ng
RT: 8.610 min Scan# 956
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 70 Resp: 1923242

Ion	Ratio	Lower	Upper
70	100		
42	41.9	33.1	49.7
101	9.9	7.4	11.2
130	17.4	13.3	19.9

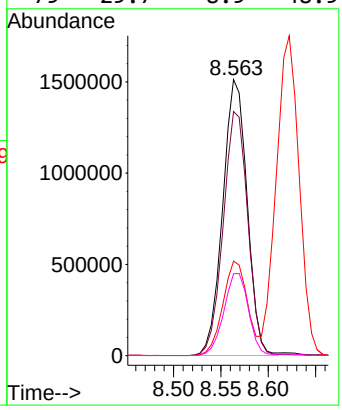




#20
3+4-Methylphenols
Concen: 77.033 ng
RT: 8.563 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 270979

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.2	15.0	55.0
79	29.7	8.9	48.9



Instrument :
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ClientSampleId :
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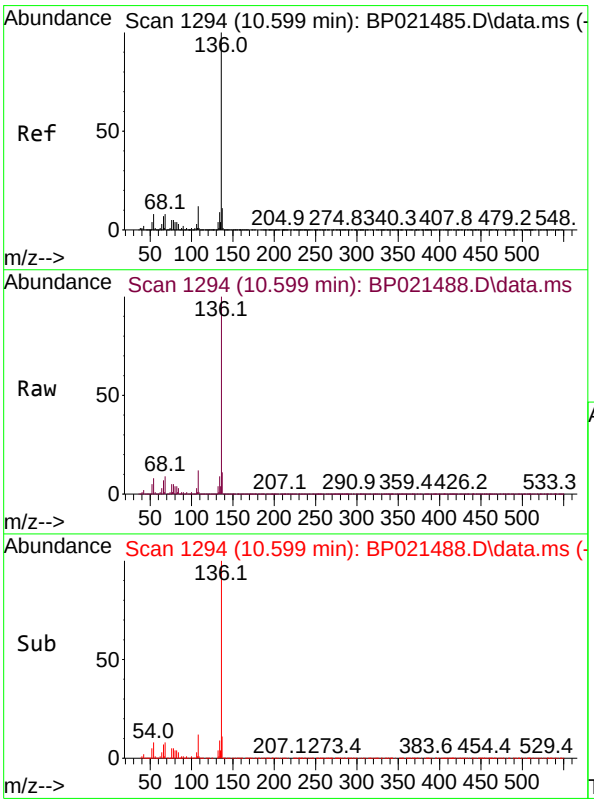
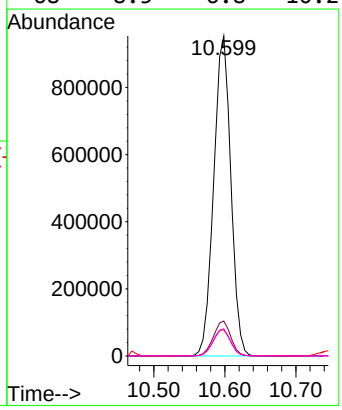
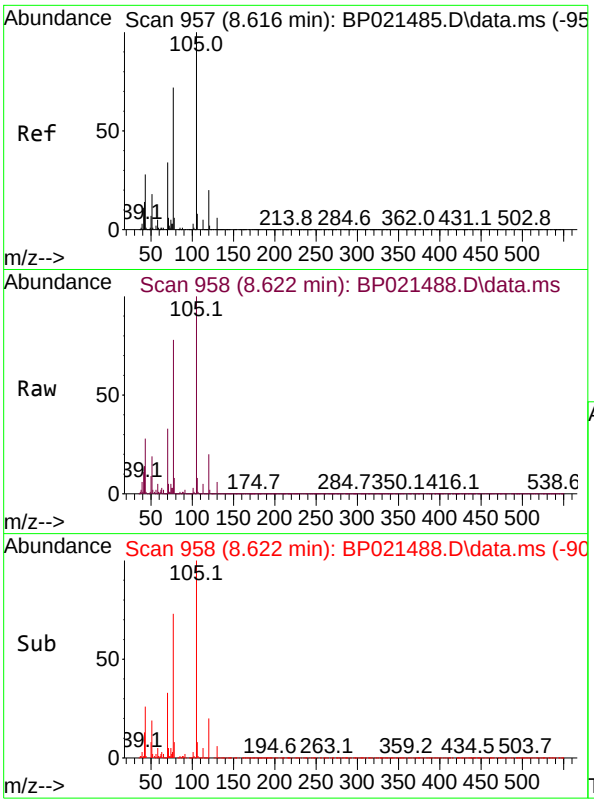


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:136 Resp: 1590621

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	6.3	9.5
68	8.5	6.8	10.2

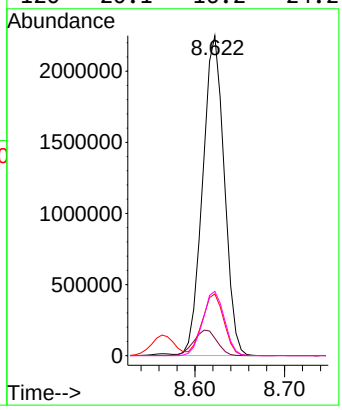




#22
Acetophenone
Concen: 76.808 ng
RT: 8.622 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:105 Resp: 375328

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.6	7.0
51	19.3	16.3	24.5
120	20.1	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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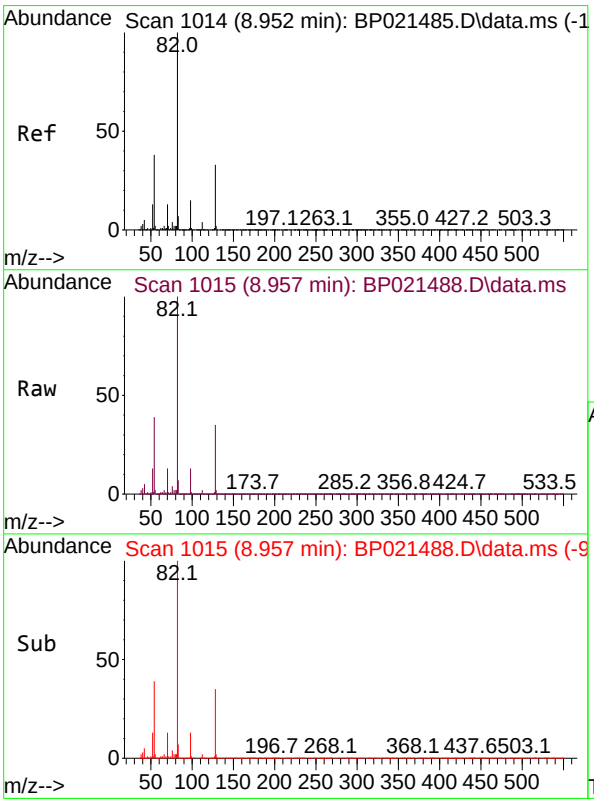
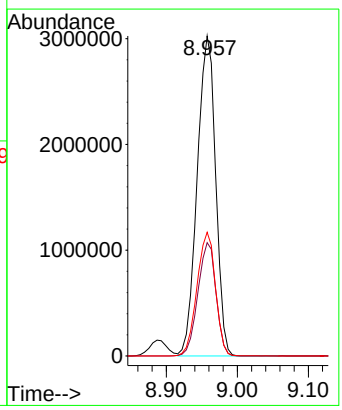
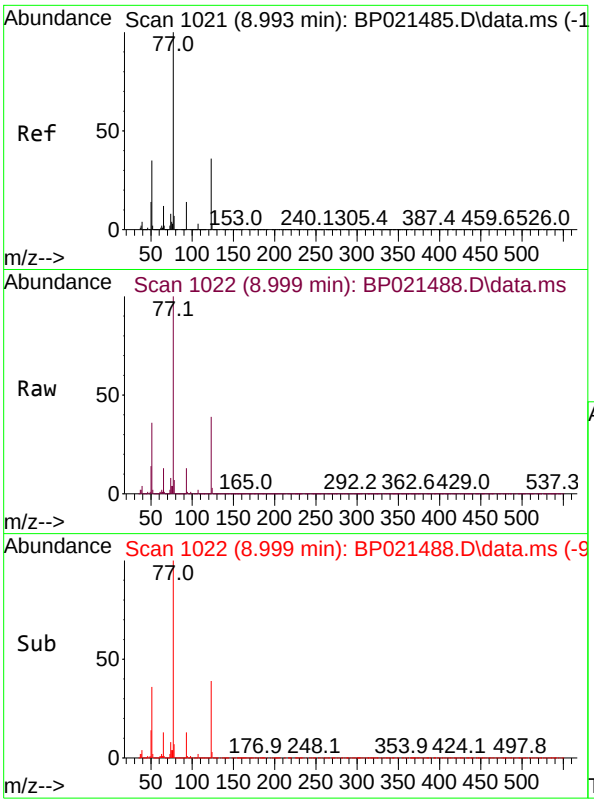


#23
Nitrobenzene-d5
Concen: 177.696 ng
RT: 8.957 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5476064

Ion	Ratio	Lower	Upper
82	100		
128	35.4	26.5	39.7
54	38.7	30.3	45.5





#24
Nitrobenzene
Concen: 86.298 ng
RT: 8.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 288841

Ion	Ratio	Lower	Upper
77	100		
123	39.1	29.5	44.3
65	12.7	9.9	14.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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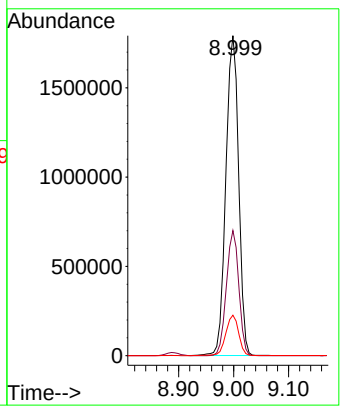
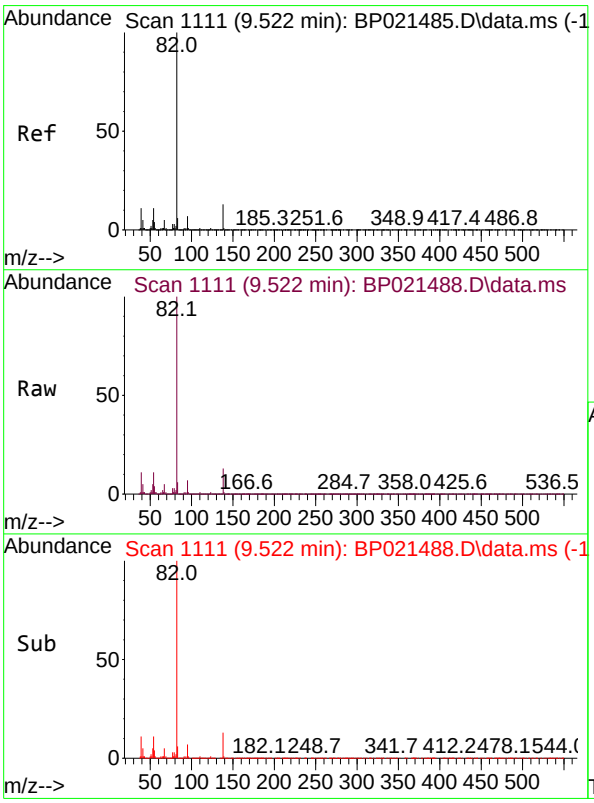
Supervised By :mohammad ahmed 08/14/2024

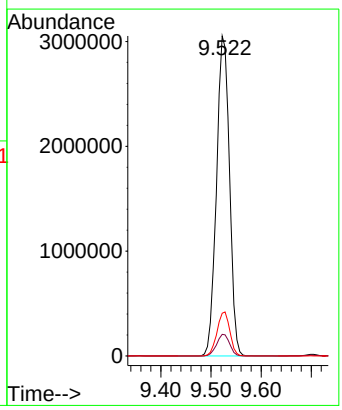


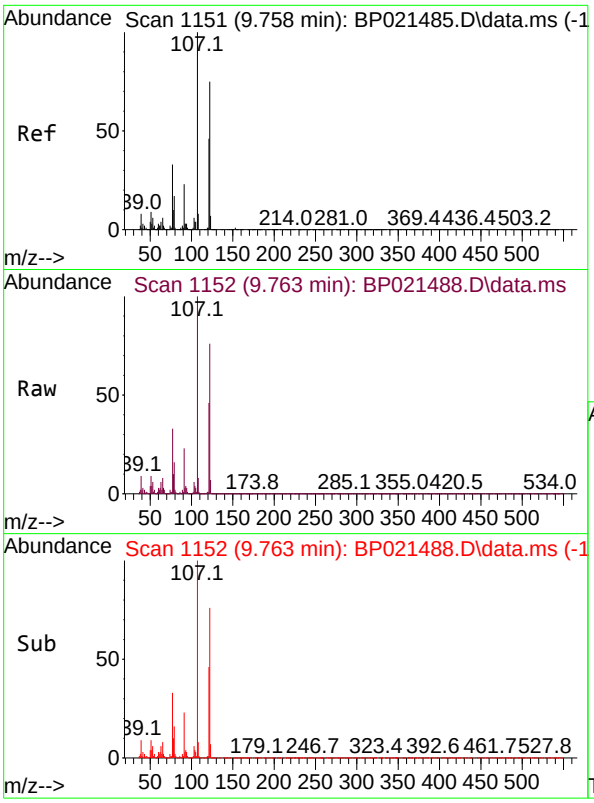


#25
Isophorone
Concen: 75.494 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5496234

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.3	10.6	16.0

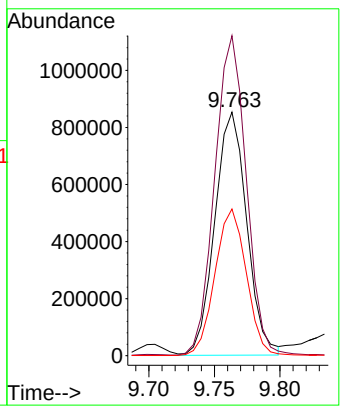




#27
2,4-Dimethylphenol
Concen: 80.354 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 144372

Ion	Ratio	Lower	Upper
122	100		
107	131.4	106.2	159.4
121	60.3	48.8	73.2



Instrument :
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ClientSampleId :
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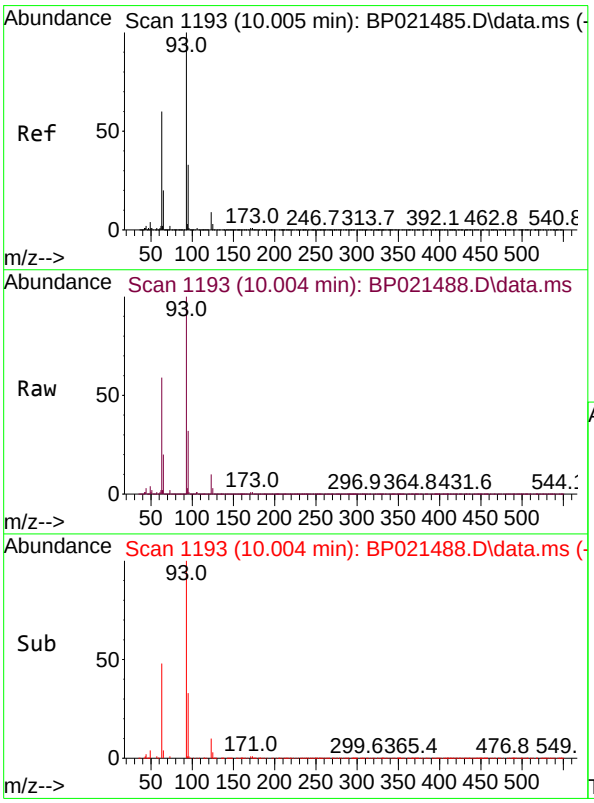
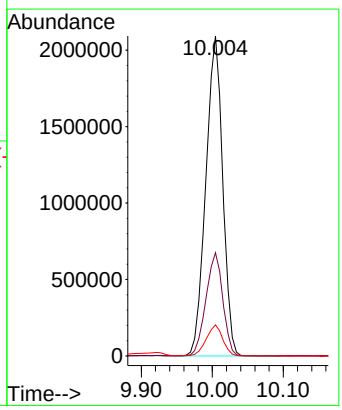
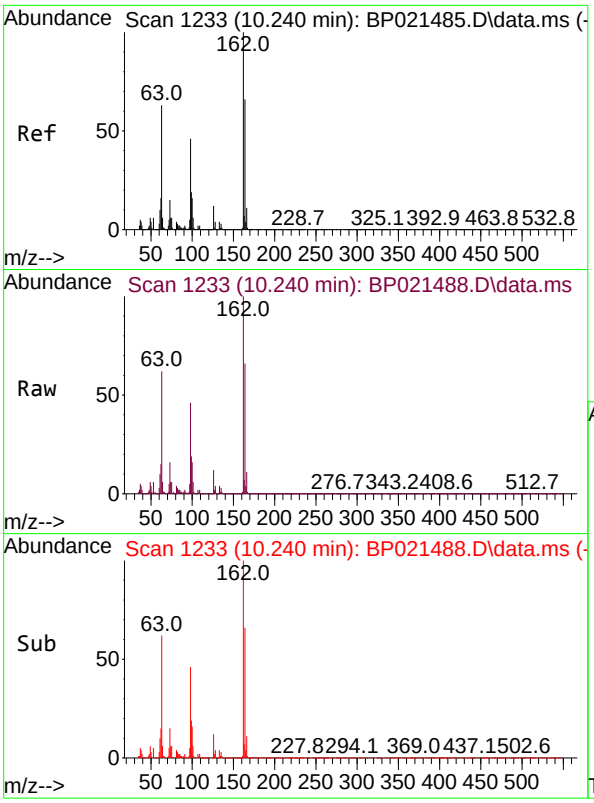


#28
bis(2-Chloroethoxy)methane
Concen: 77.749 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 3455210

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.7	7.6	11.4

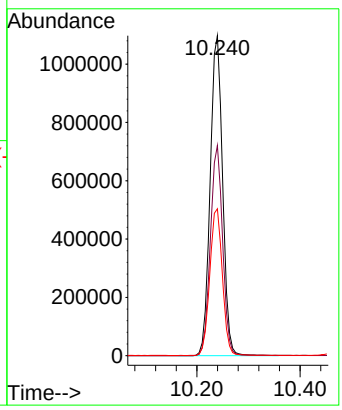




#29
2,4-Dichlorophenol
Concen: 86.313 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 183231

Ion	Ratio	Lower	Upper
162	100		
164	65.7	45.9	85.9
98	45.9	26.3	66.3



Instrument :
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ClientSampleId :
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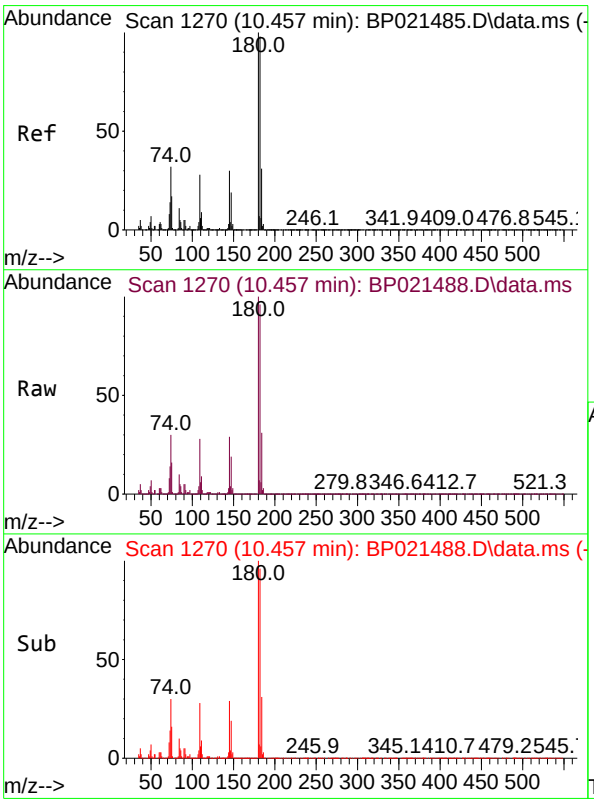
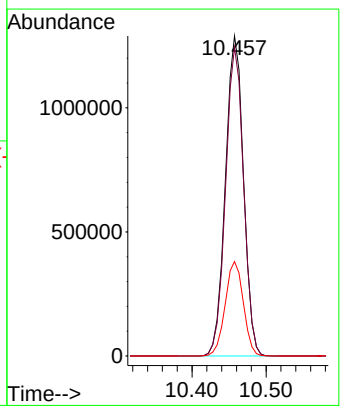
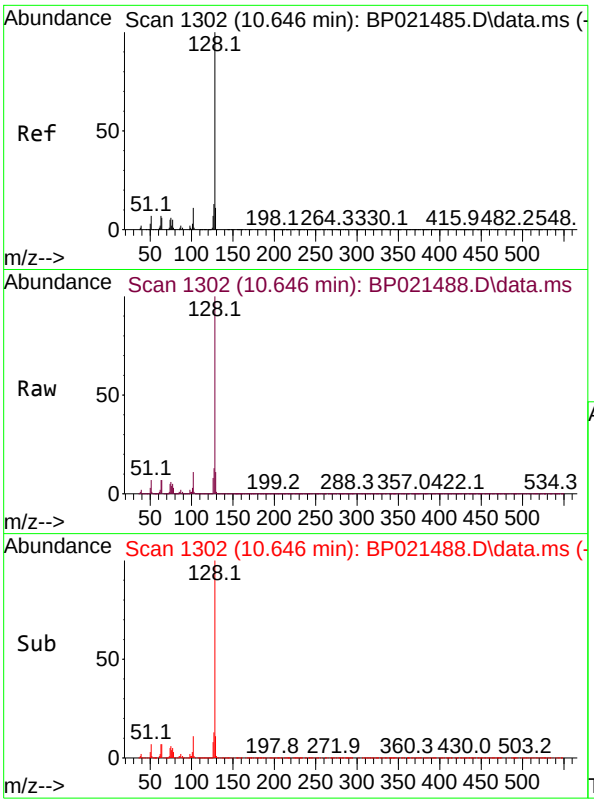


#30
1,2,4-Trichlorobenzene
Concen: 80.153 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:180 Resp: 2181467

Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.3	117.5
145	29.5	24.0	36.0





#31
Naphthalene
Concen: 78.593 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:128 Resp: 653068

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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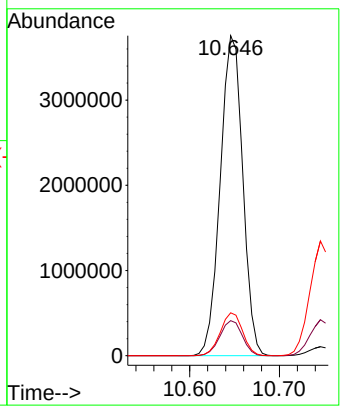
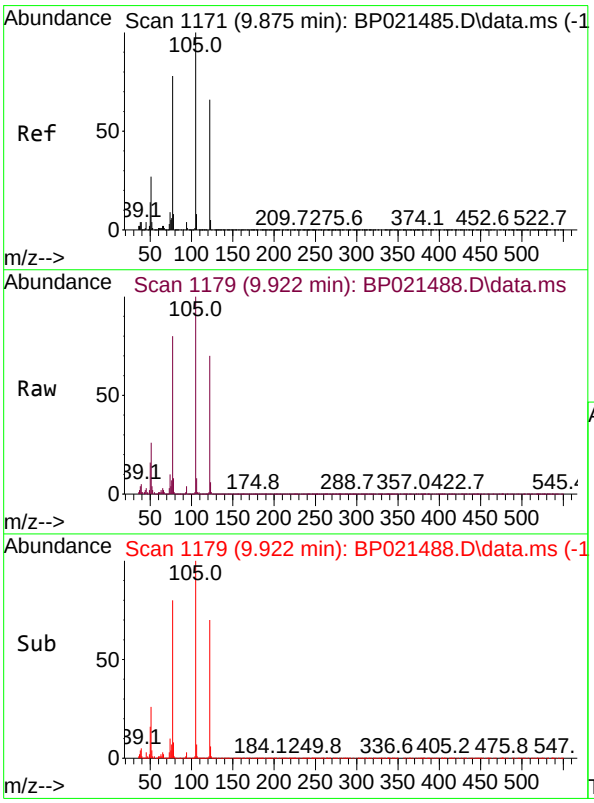
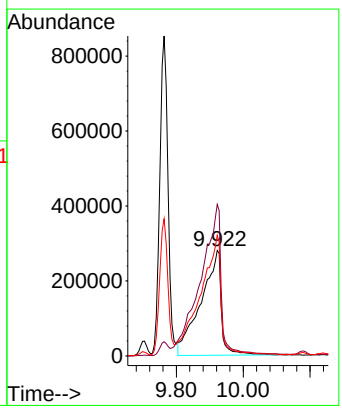


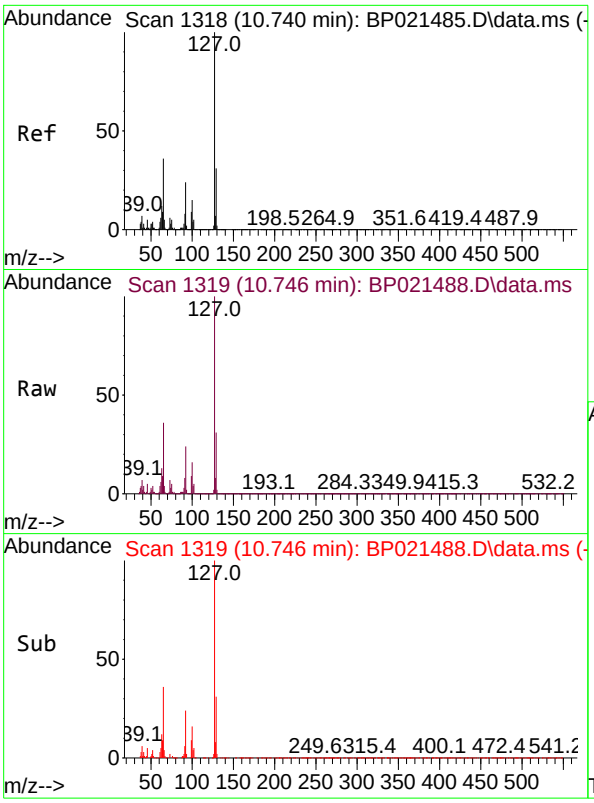


#32
Benzoic acid
Concen: 79.618 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.047 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 1191515

Ion	Ratio	Lower	Upper
122	100		
105	143.7	124.6	164.6
77	114.4	96.2	136.2

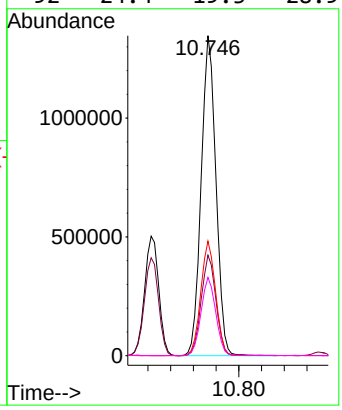




#33
4-Chloroaniline
Concen: 77.568 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:127 Resp: 242113

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.8	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
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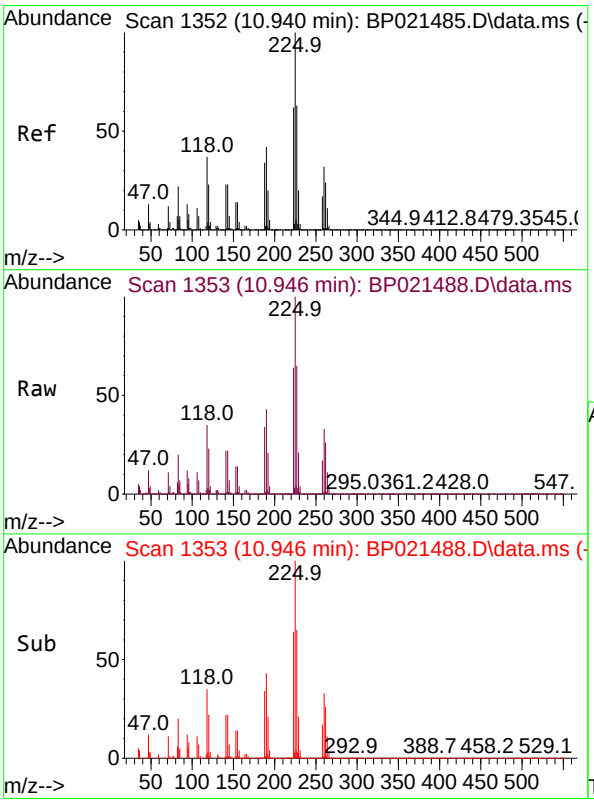
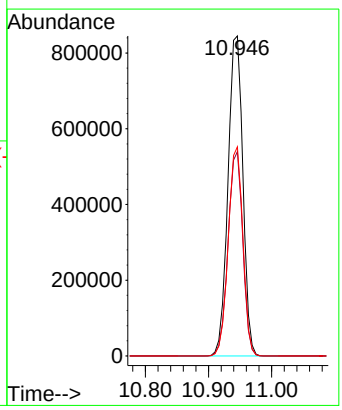
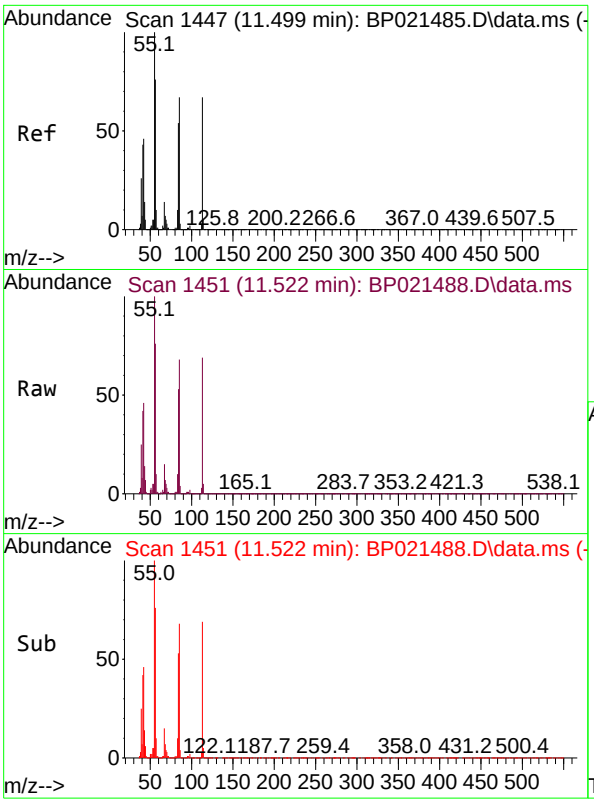


#34
Hexachlorobutadiene
Concen: 80.513 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:225 Resp: 1379696

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.6	74.4
227	65.3	50.1	75.1

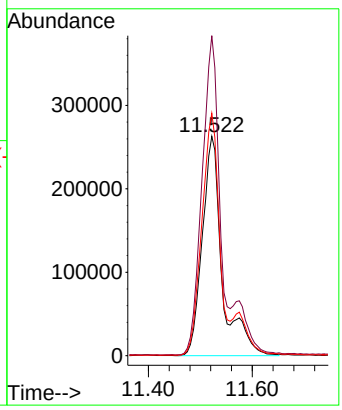




#35
Caprolactam
Concen: 79.529 ng m
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:113 Resp: 70263

Ion	Ratio	Lower	Upper
113	100		
55	145.9	130.6	170.6
56	110.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
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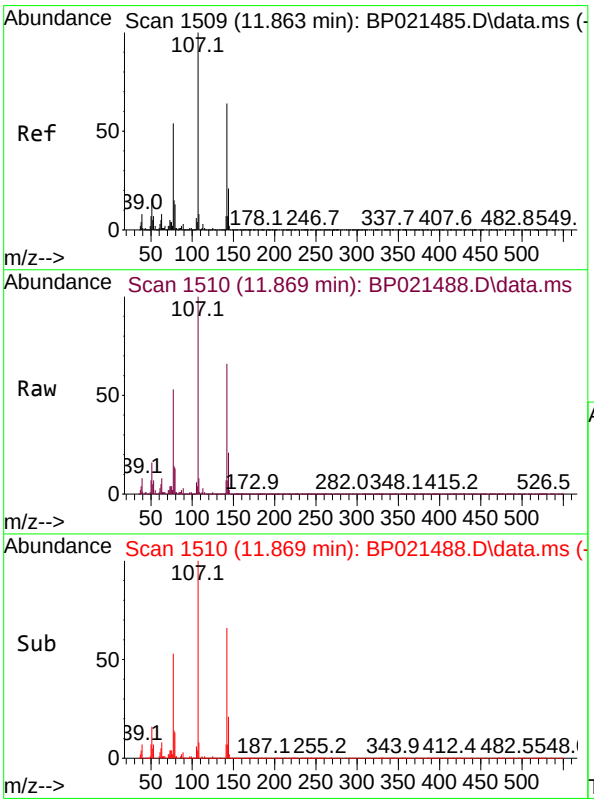
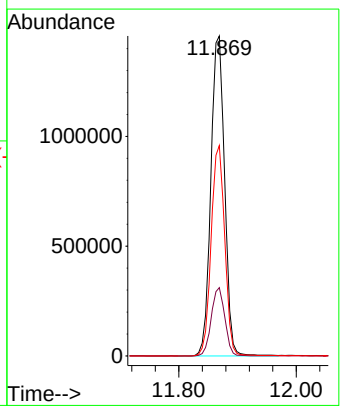
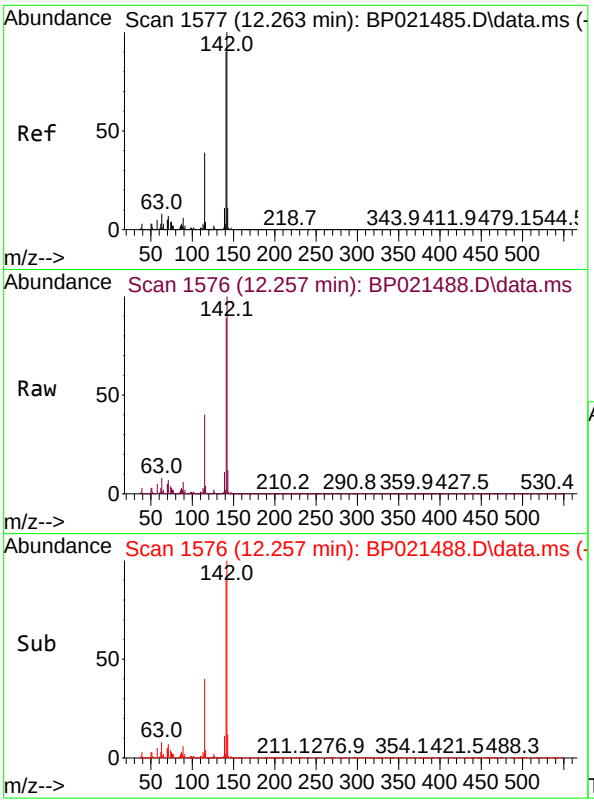


#36
4-Chloro-3-methylphenol
Concen: 80.436 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 2368621

Ion	Ratio	Lower	Upper
107	100		
144	21.4	16.6	24.8
142	65.8	51.0	76.4

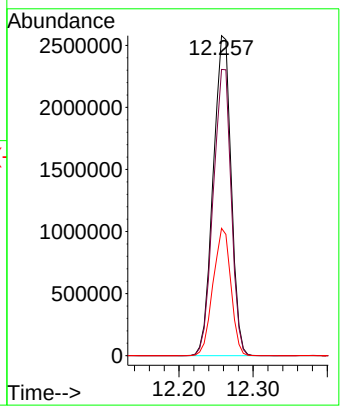




#37
2-Methylnaphthalene
Concen: 76.659 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 434743

Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.7	107.5
115	39.8	31.4	47.2



Instrument :
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ClientSampleId :
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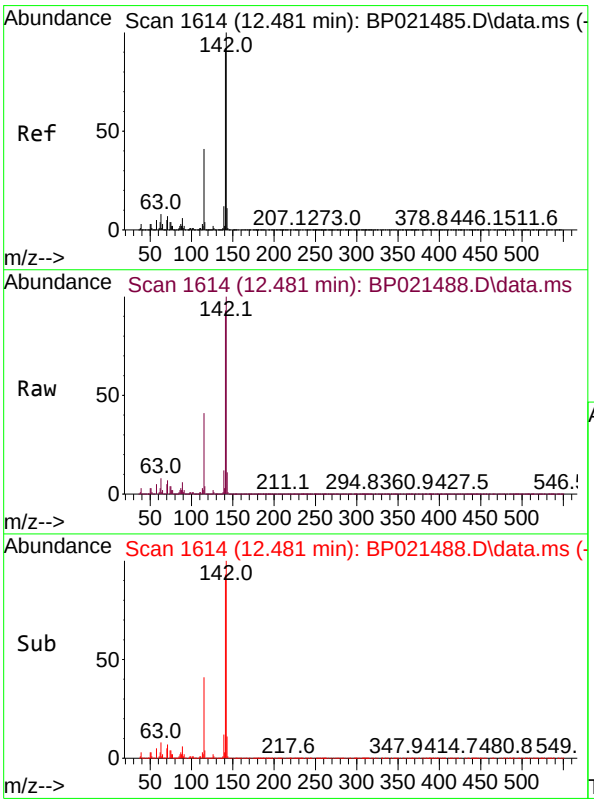
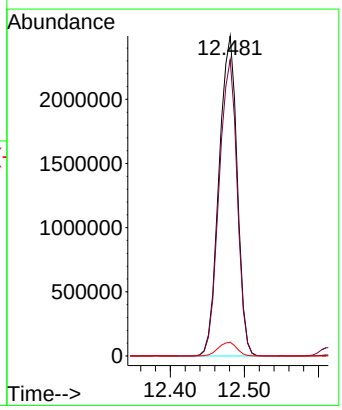
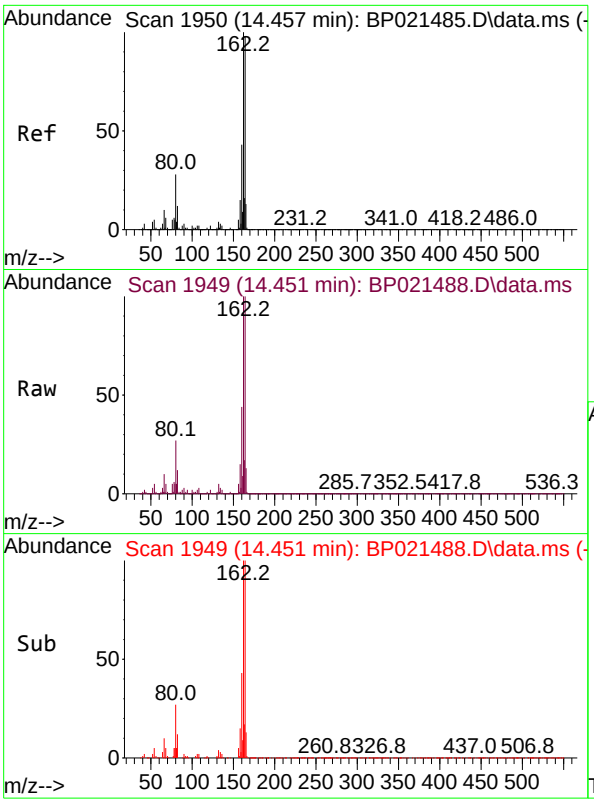


#38
1-Methylnaphthalene
Concen: 75.769 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 4237982

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.5	110.3
116	4.3	3.4	5.2

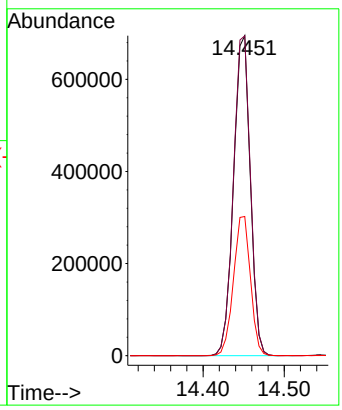




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:164 Resp: 99193

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	43.5	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
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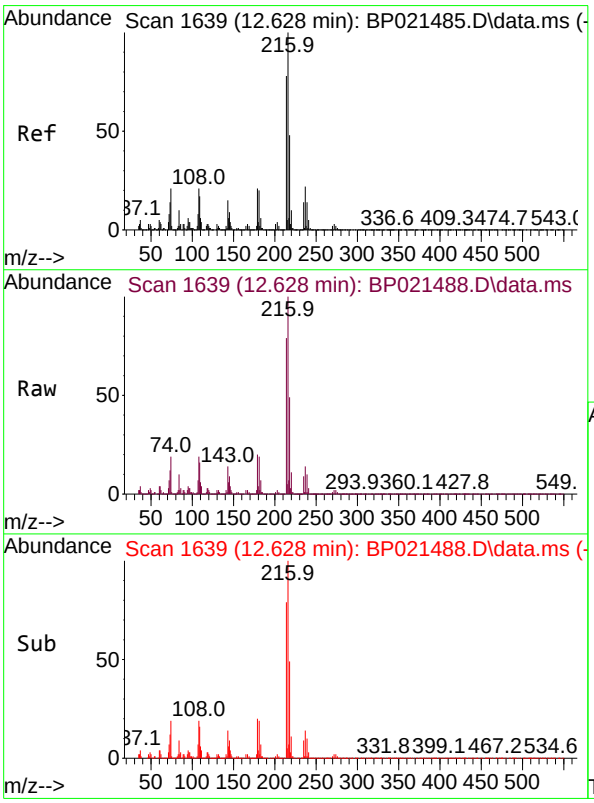
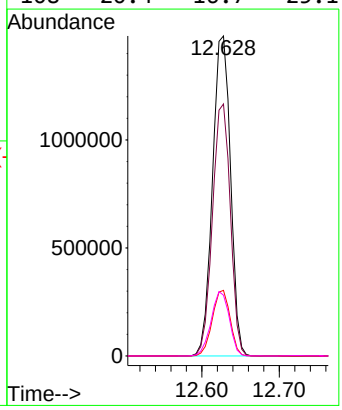
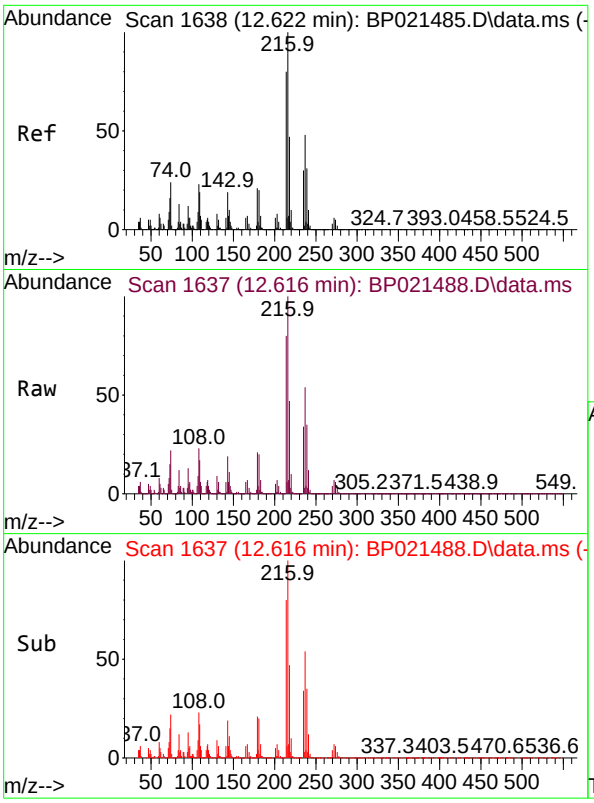


#40
1,2,4,5-Tetrachlorobenzene
Concen: 82.416 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:216 Resp: 2395337

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.5	93.7
179	20.3	16.4	24.6
108	20.4	16.7	25.1

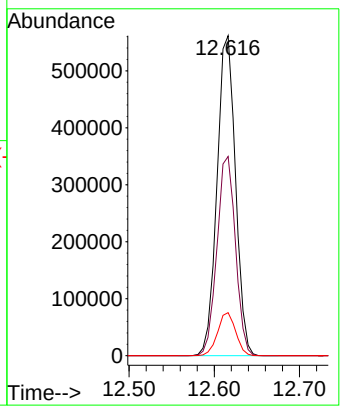




#41
Hexachlorocyclopentadiene
Concen: 91.971 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:237 Resp: 84718

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	13.4	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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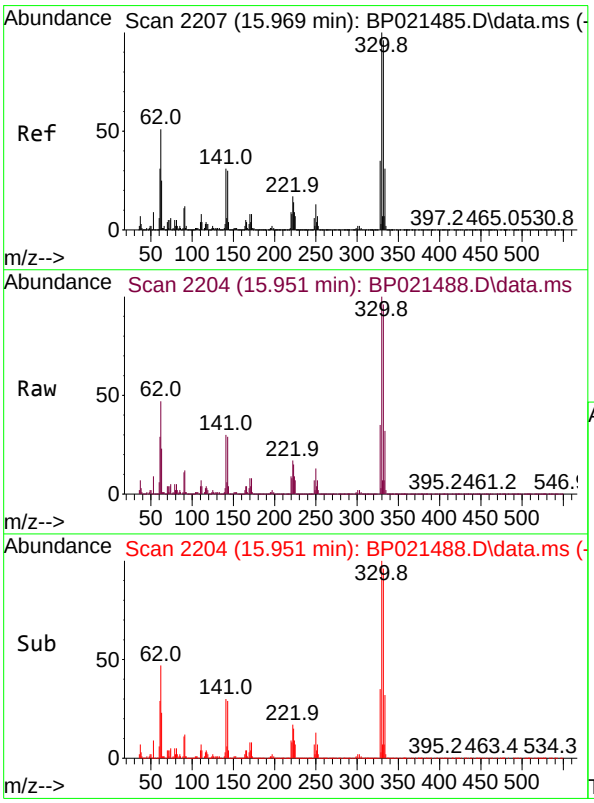
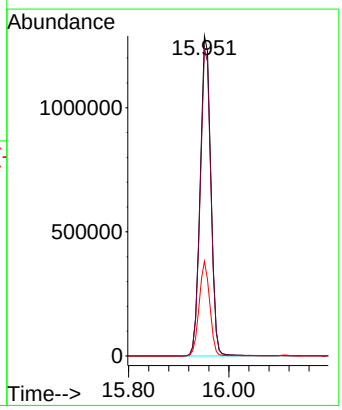
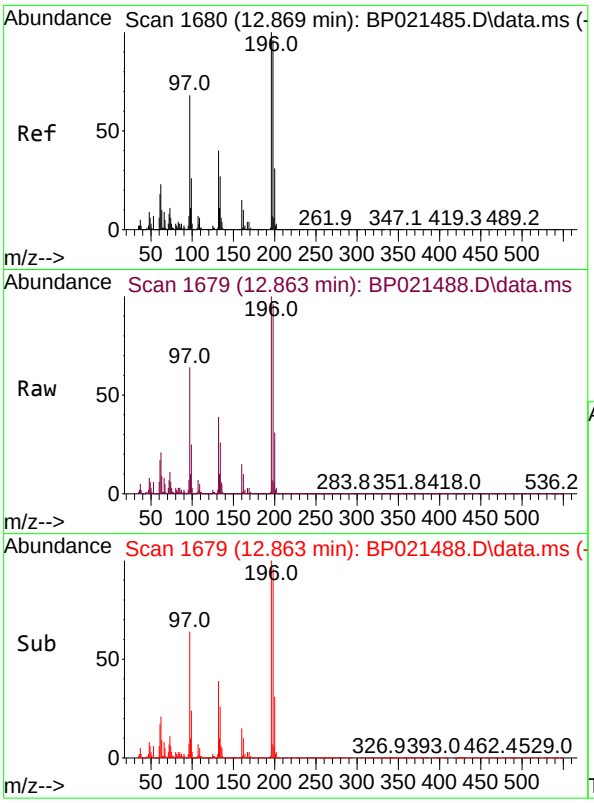


#42
2,4,6-Tribromophenol
Concen: 172.341 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:330 Resp: 1902622

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.3	24.5	36.7

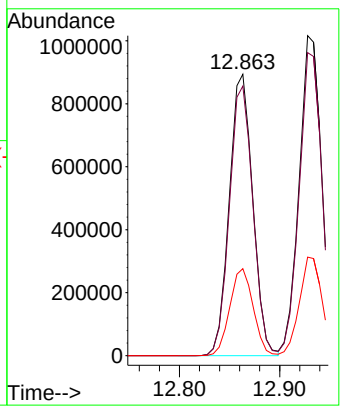




#43
2,4,6-Trichlorophenol
Concen: 90.107 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 145474

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	114.8
200	30.9	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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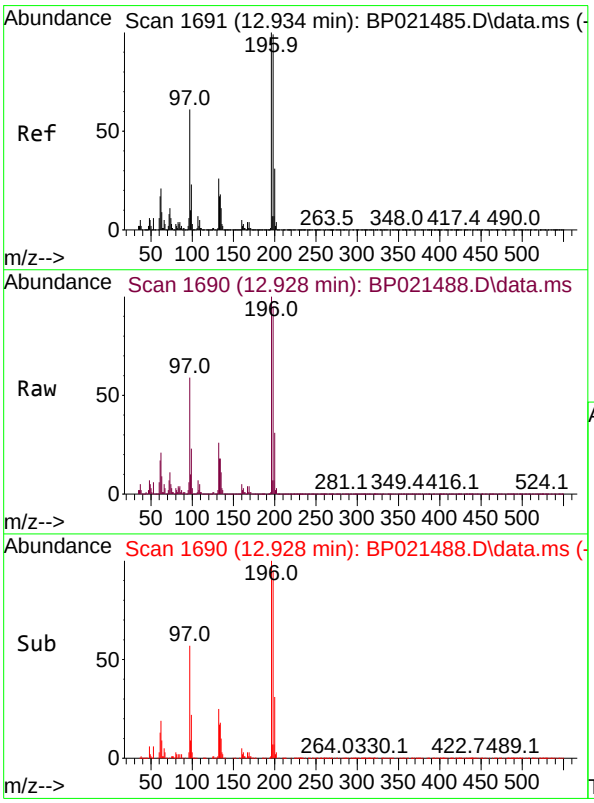
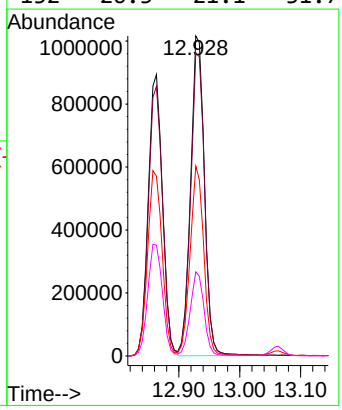
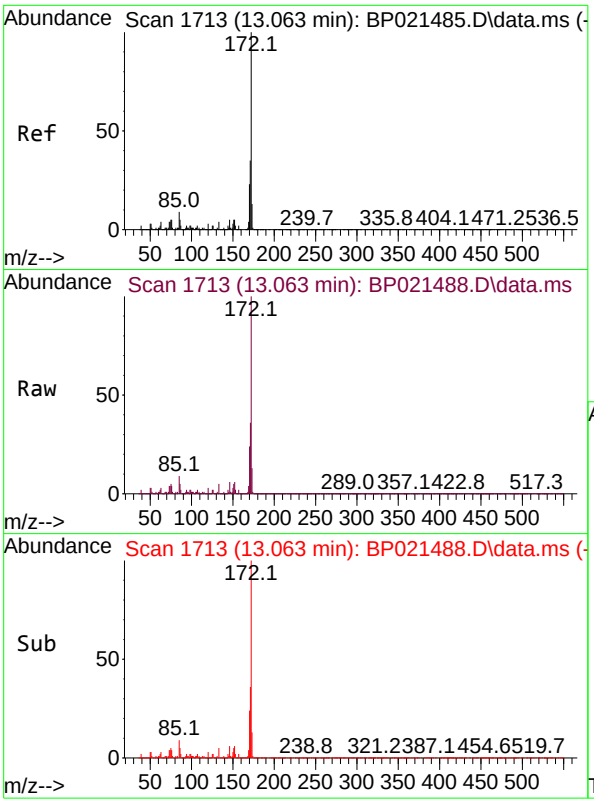


#44
2,4,5-Trichlorophenol
Concen: 89.412 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 1603816

Ion	Ratio	Lower	Upper
196	100		
198	94.7	78.9	118.3
97	59.3	49.4	74.0
132	26.3	21.1	31.7

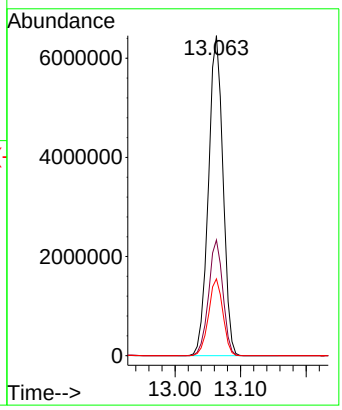




#45
2-Fluorobiphenyl
Concen: 153.020 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:172 Resp: 994568

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.0	18.4	27.6



Instrument :
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ClientSampleId :
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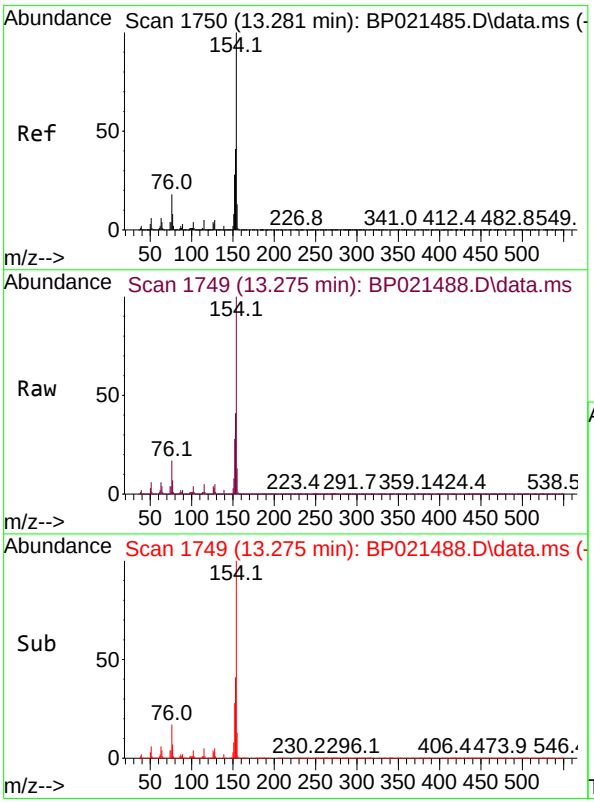
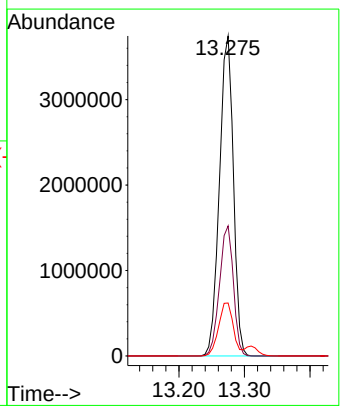
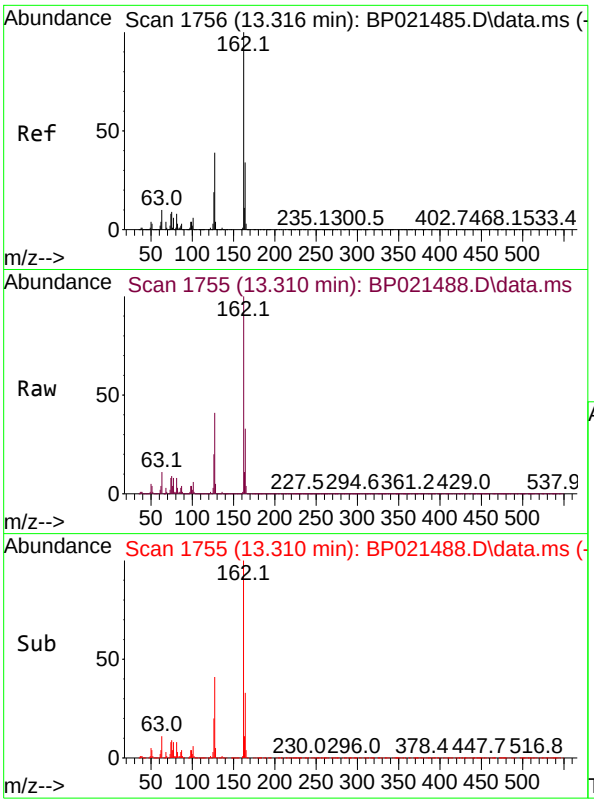


#46
1,1'-Biphenyl
Concen: 78.343 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 5498161

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	16.6	0.0	37.7

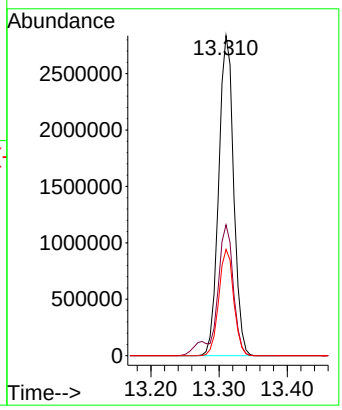




#47
2-Chloronaphthalene
Concen: 78.980 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 431530

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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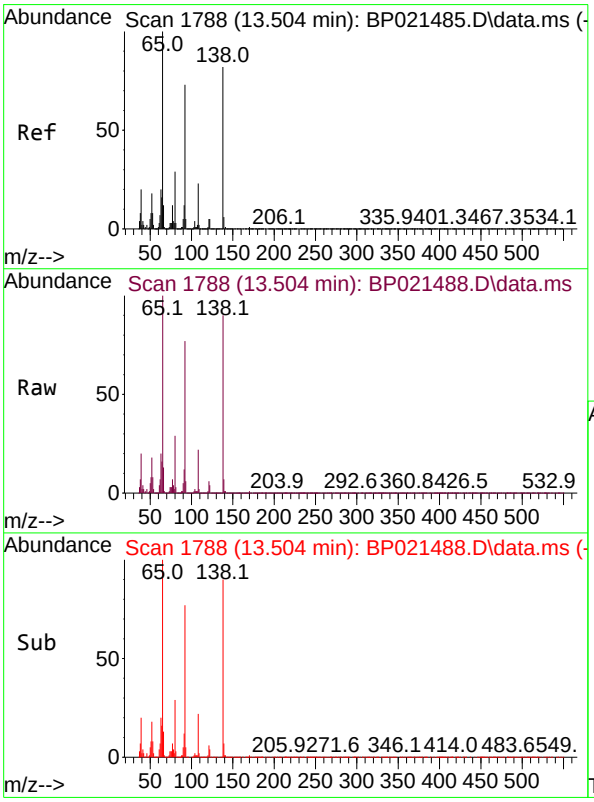
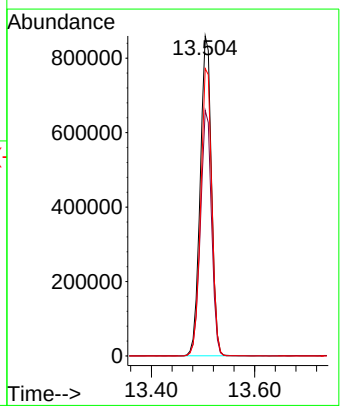
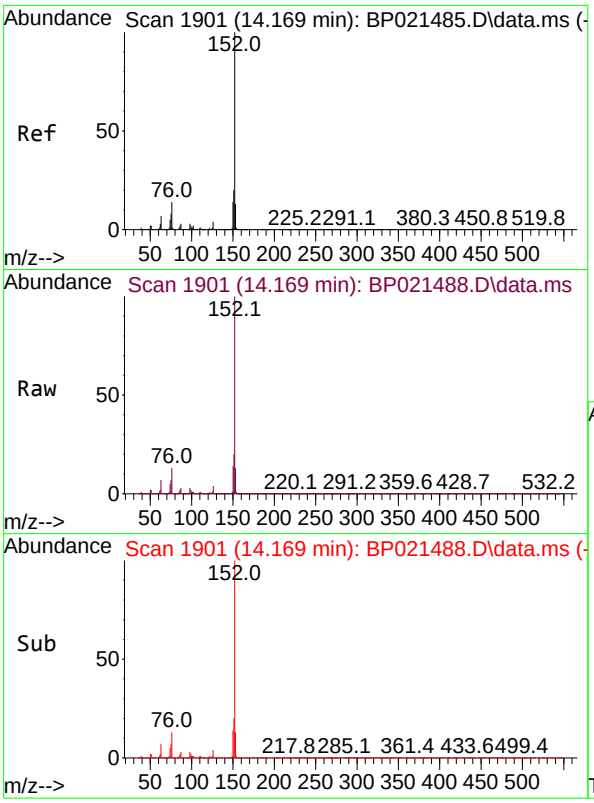


#48
2-Nitroaniline
Concen: 81.000 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 65 Resp: 1301093

Ion	Ratio	Lower	Upper
65	100		
92	76.7	58.1	87.1
138	89.8	65.5	98.3

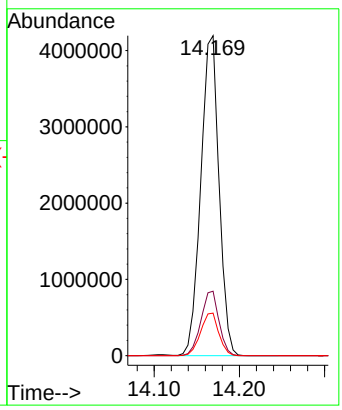




#49
Acenaphthylene
Concen: 77.556 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 622937

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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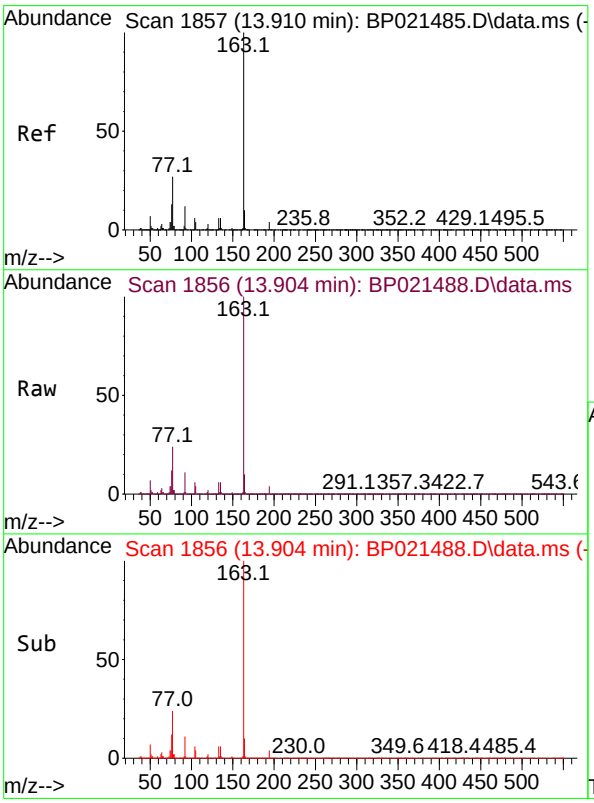
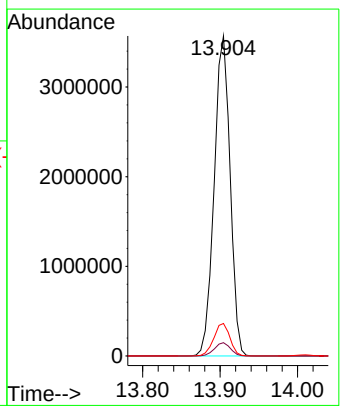
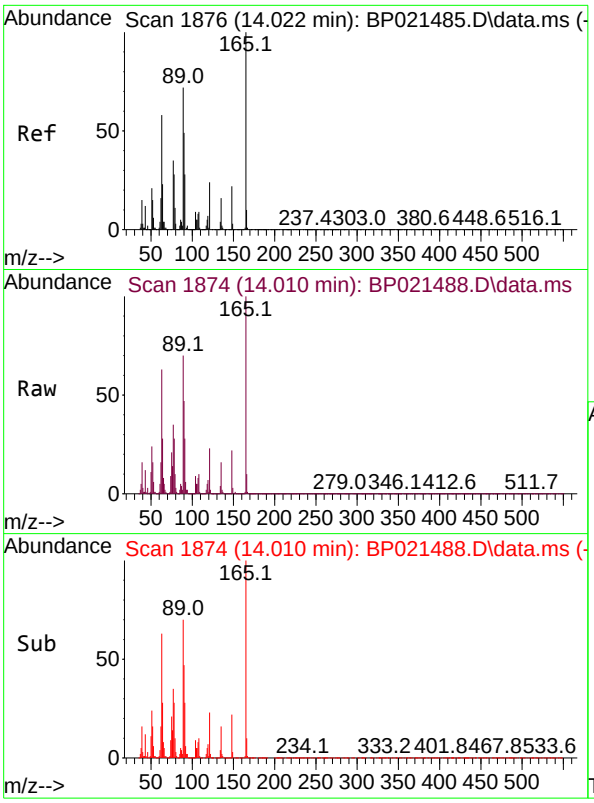


#50
Dimethylphthalate
Concen: 76.844 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:163 Resp: 5104657

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 80.745 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 112187

Ion	Ratio	Lower	Upper
165	100		
63	62.7	51.5	77.3
89	69.8	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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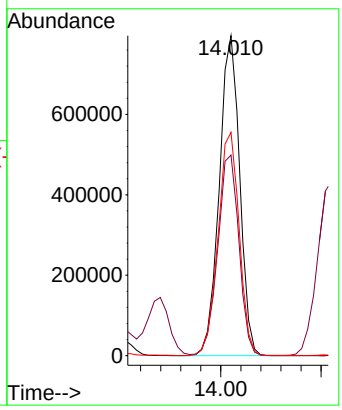
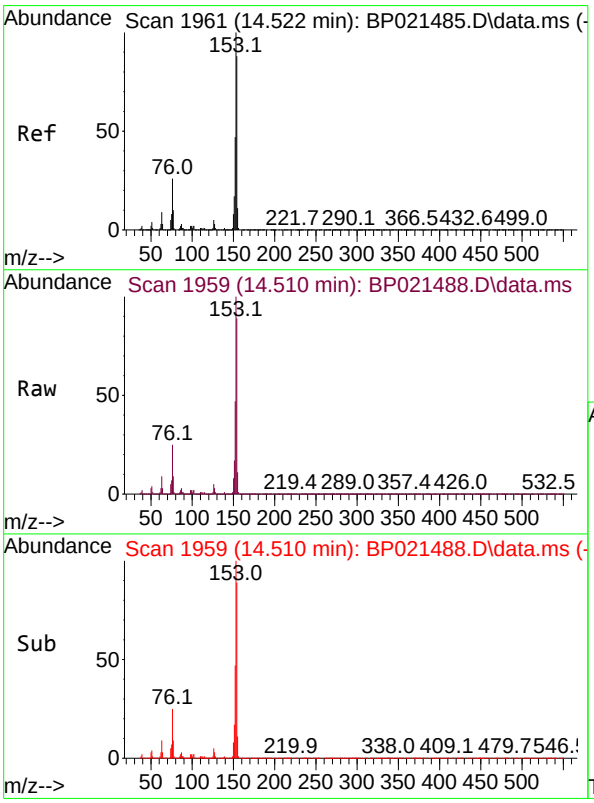
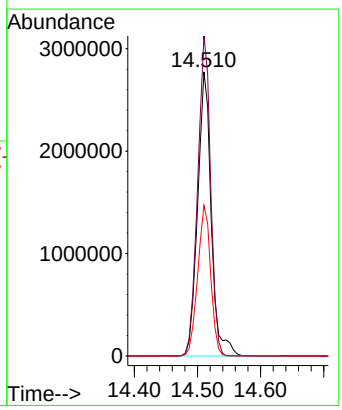


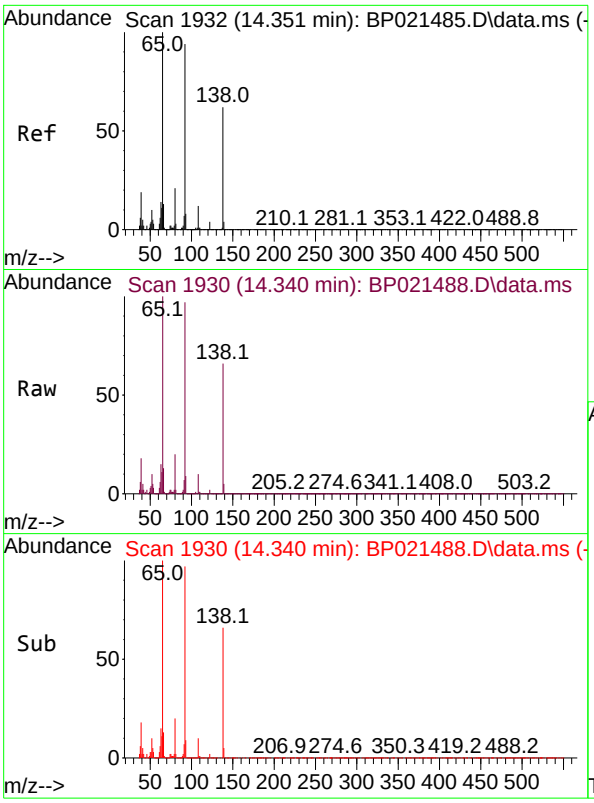


#52
Acenaphthene
Concen: 78.480 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 4136001

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.1	136.7
152	52.9	43.0	64.4

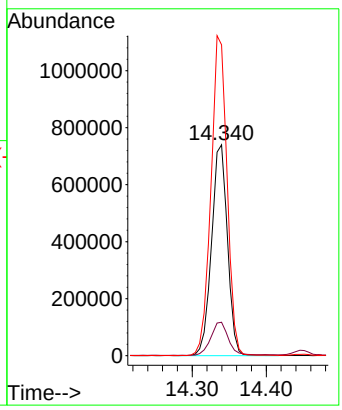




#53
3-Nitroaniline
Concen: 80.567 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 110015

Ion	Ratio	Lower	Upper
138	100		
108	15.9	16.2	24.4
92	147.4	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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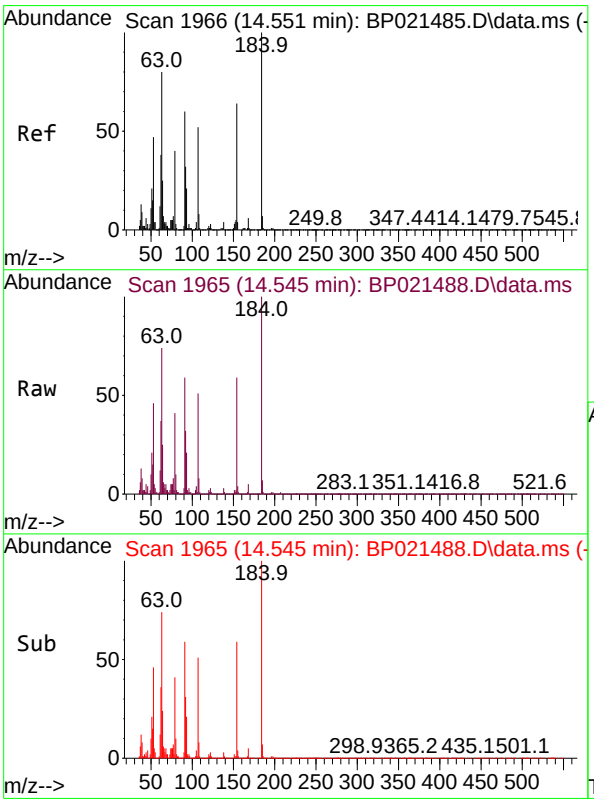
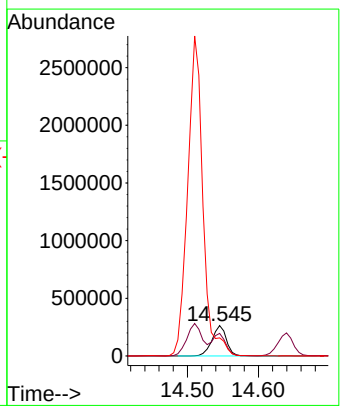
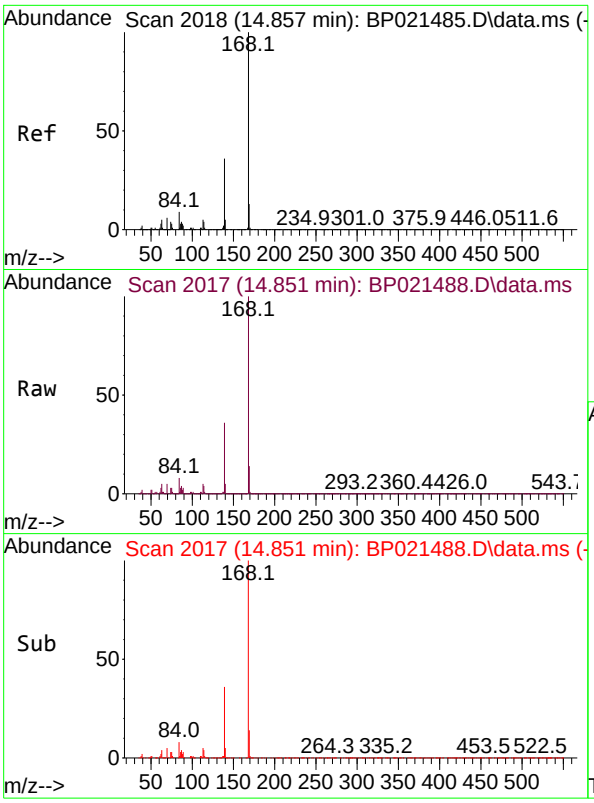


#54
2,4-Dinitrophenol
Concen: 79.528 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 370353

Ion	Ratio	Lower	Upper
184	100		
63	74.3	64.9	97.3
154	59.3	52.1	78.1

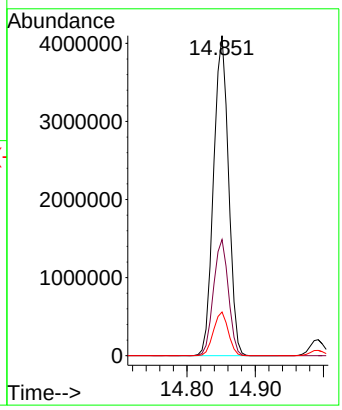




#55
Dibenzofuran
Concen: 77.067 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:168 Resp: 624795

Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.7	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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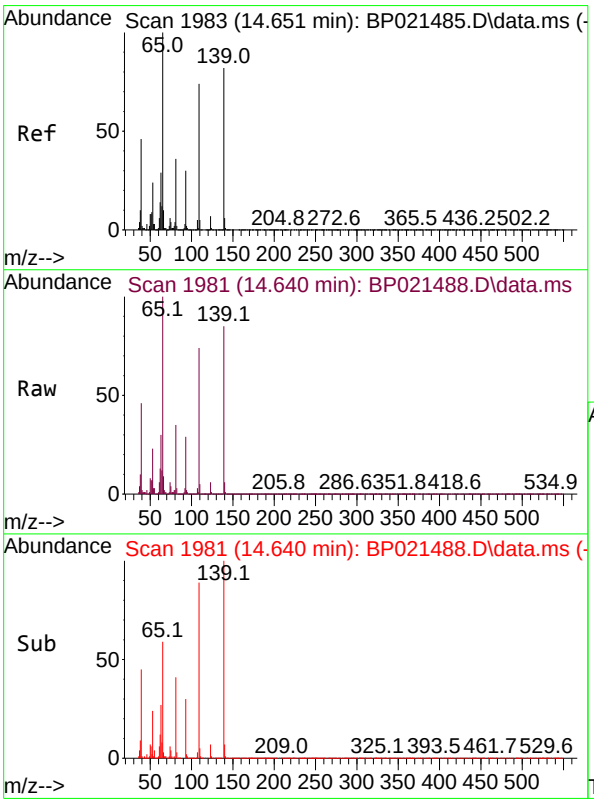
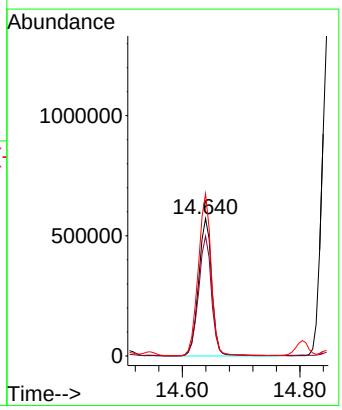
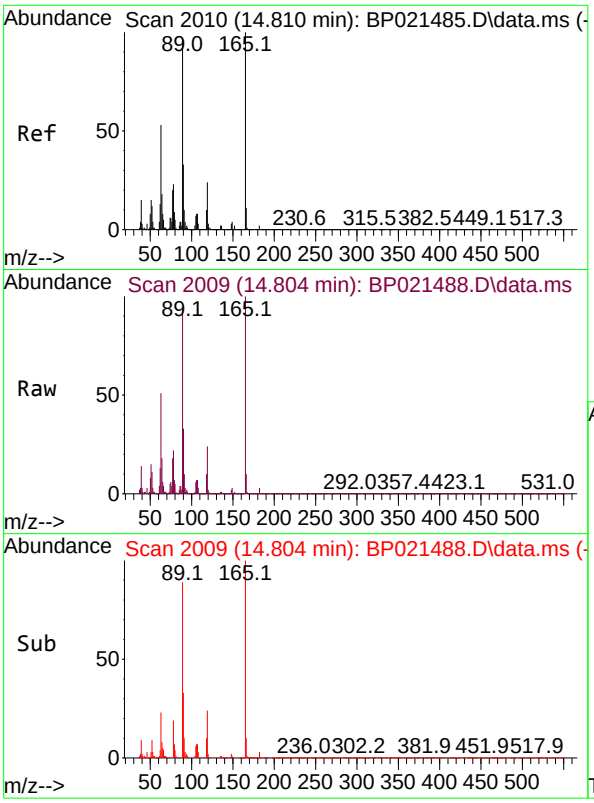


#56
4-Nitrophenol
Concen: 80.388 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:139 Resp: 885944

Ion	Ratio	Lower	Upper
139	100		
109	87.2	70.2	110.2
65	117.9	101.8	141.8

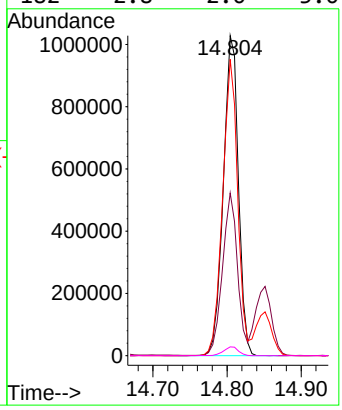




#57
2,4-Dinitrotoluene
Concen: 81.172 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 144969

Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.5	63.7
89	92.6	77.1	115.7
182	2.8	2.0	3.0



Instrument :
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ClientSampleId :
SSTDICC080

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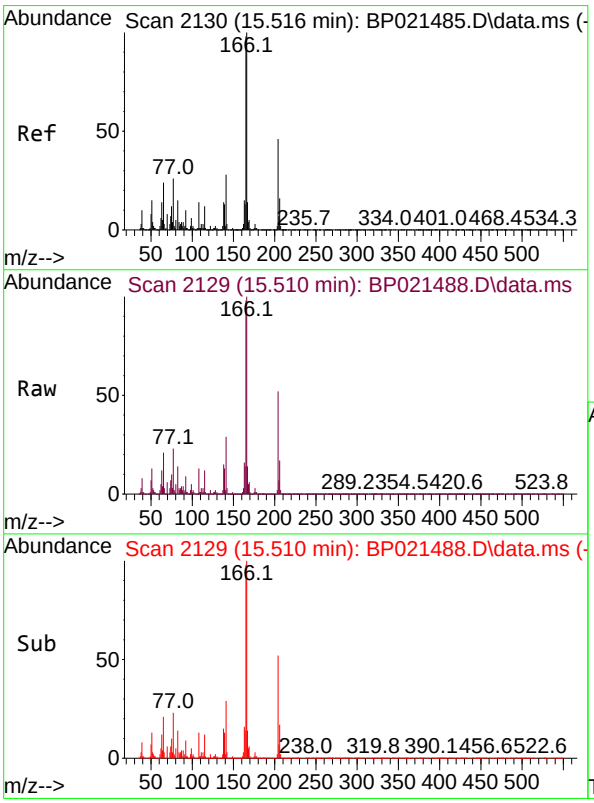
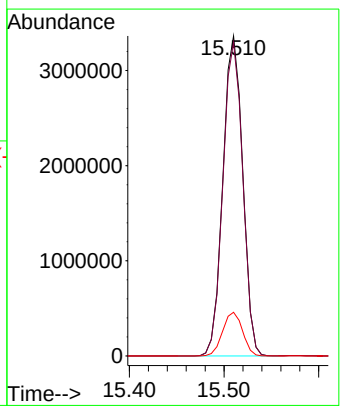
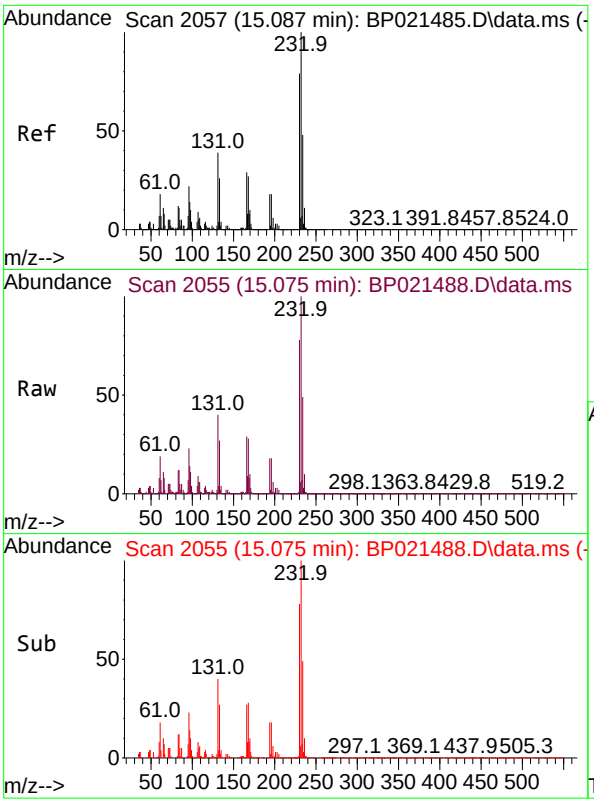


#58
Fluorene
Concen: 73.441 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:166 Resp: 4891299

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.1	117.1
167	13.6	11.0	16.4

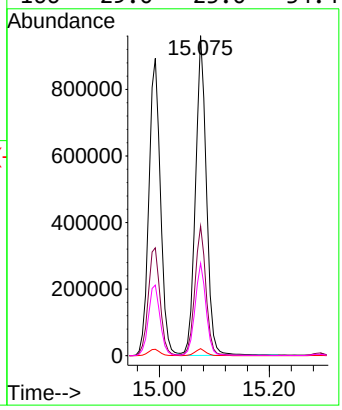




#59
2,3,4,6-Tetrachlorophenol
Concen: 86.863 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:232 Resp: 132248

Ion	Ratio	Lower	Upper
232	100		
131	41.2	33.1	49.7
130	2.1	1.7	2.5
166	29.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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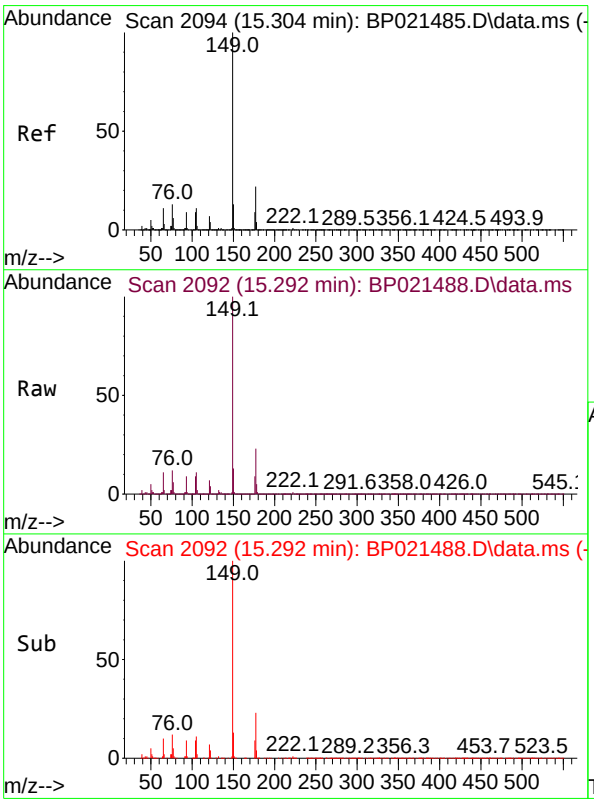
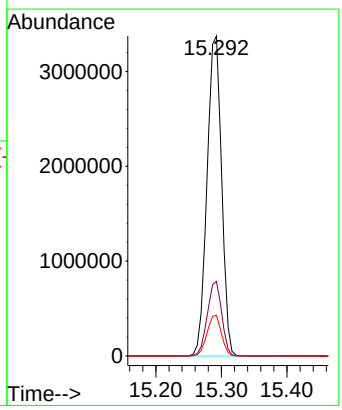
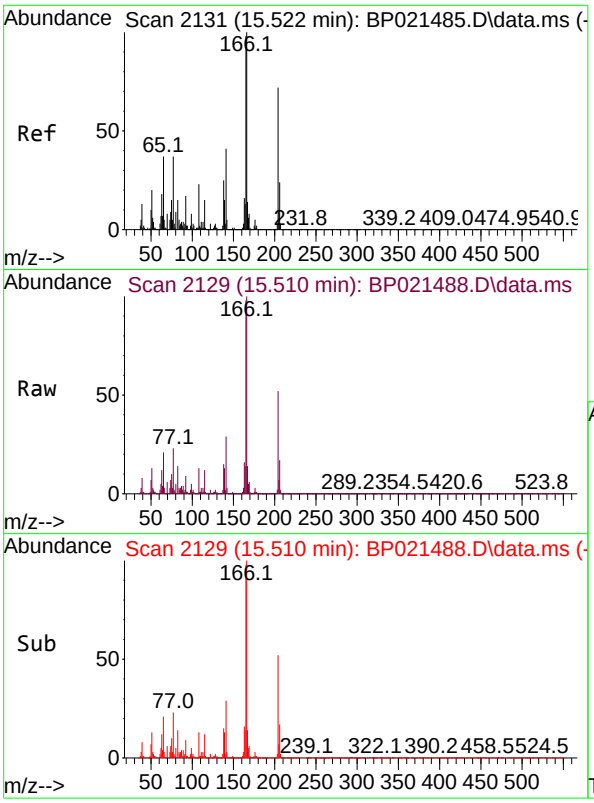


#60
Diethylphthalate
Concen: 76.268 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 5198353

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.8	26.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 74.256 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:204 Resp: 255641

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	55.3	46.1	69.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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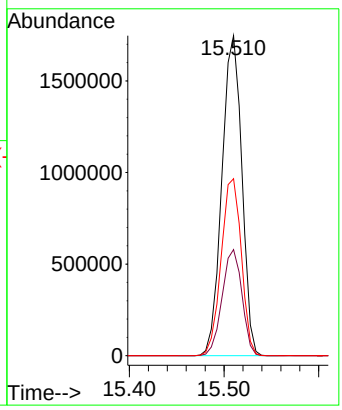
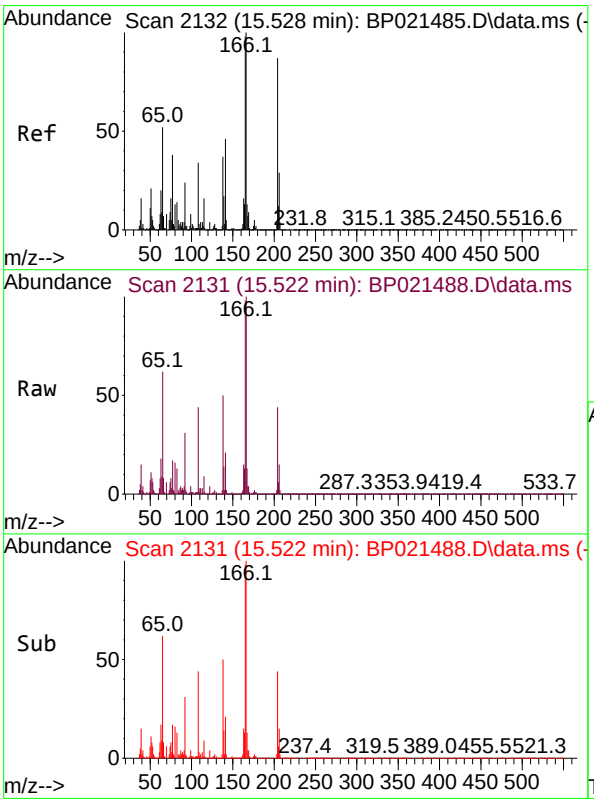
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

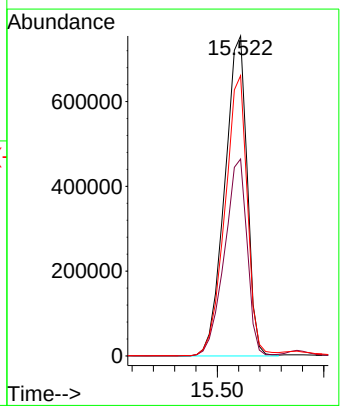


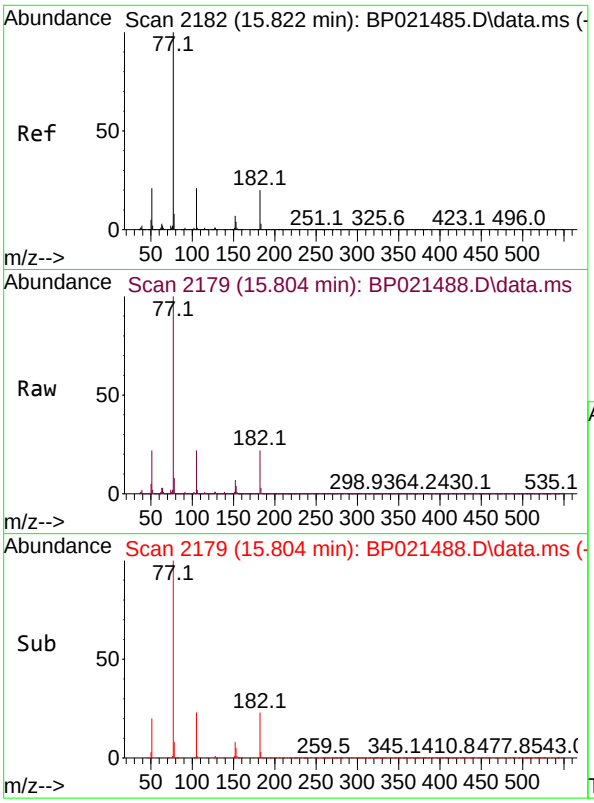


#62
4-Nitroaniline
Concen: 79.329 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 1101954

Ion	Ratio	Lower	Upper
138	100		
92	61.5	46.4	86.4
108	87.6	73.2	113.2

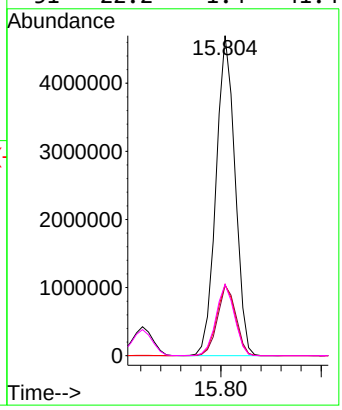




#63
Azobenzene
Concen: 73.633 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 616925

Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.0	39.9
105	22.2	0.9	40.9
51	22.2	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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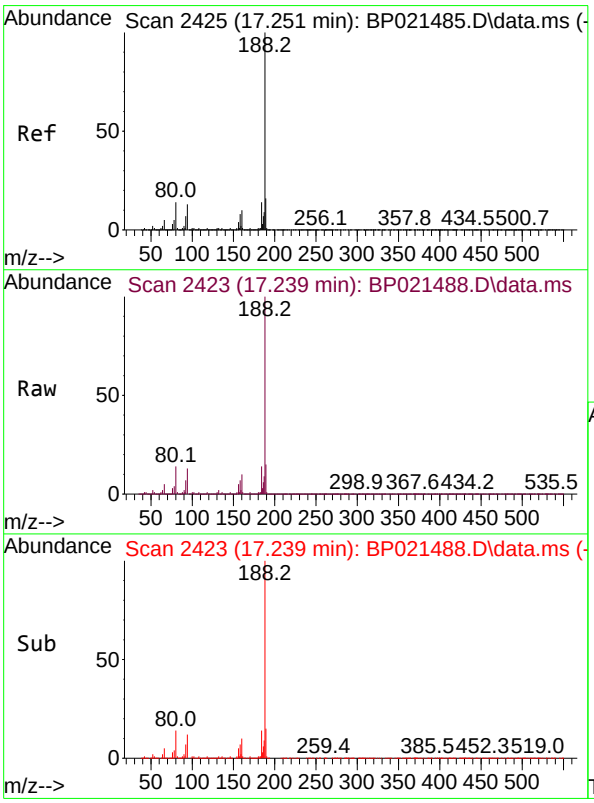
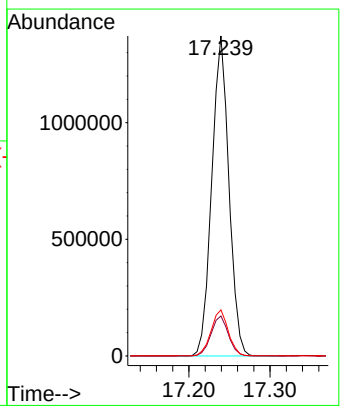
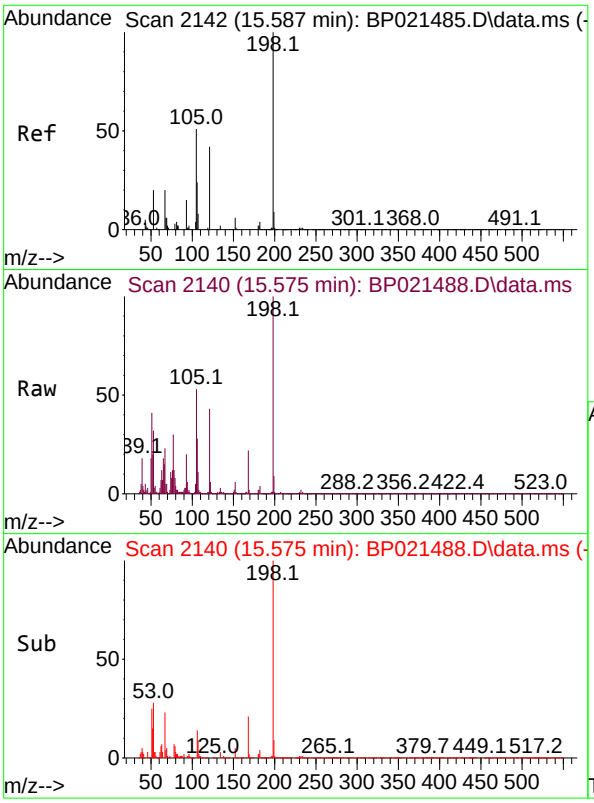


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:188 Resp: 2007991

Ion	Ratio	Lower	Upper
188	100		
94	12.5	10.2	15.4
80	14.4	11.6	17.4

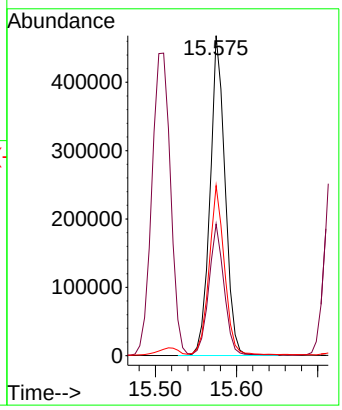




#65
4,6-Dinitro-2-methylphenol
Concen: 79.442 ng
RT: 15.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:198 Resp: 60008

Ion	Ratio	Lower	Upper
198	100		
51	41.2	21.5	61.5
105	53.1	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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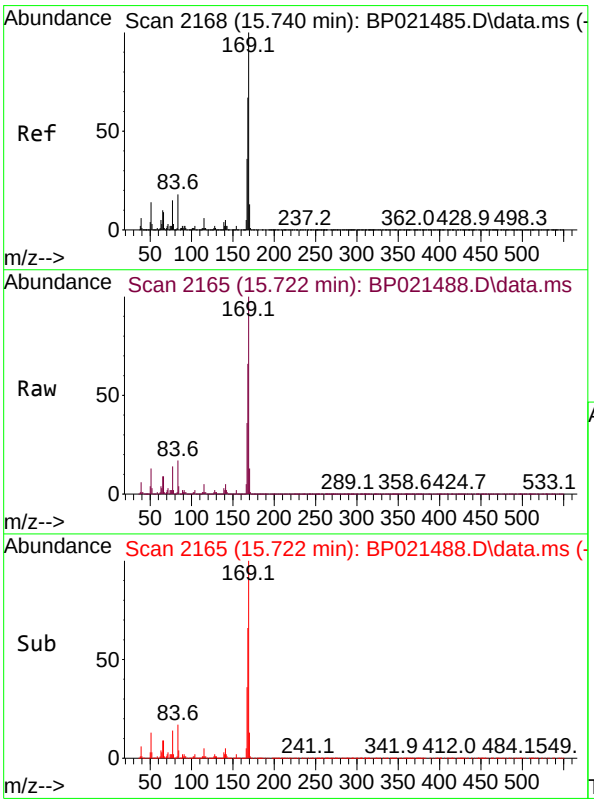
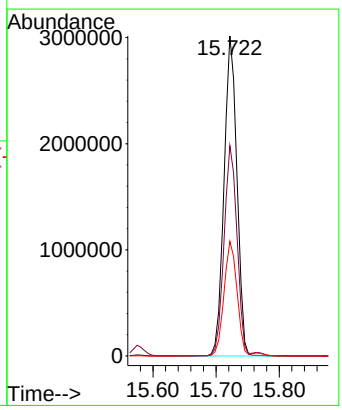
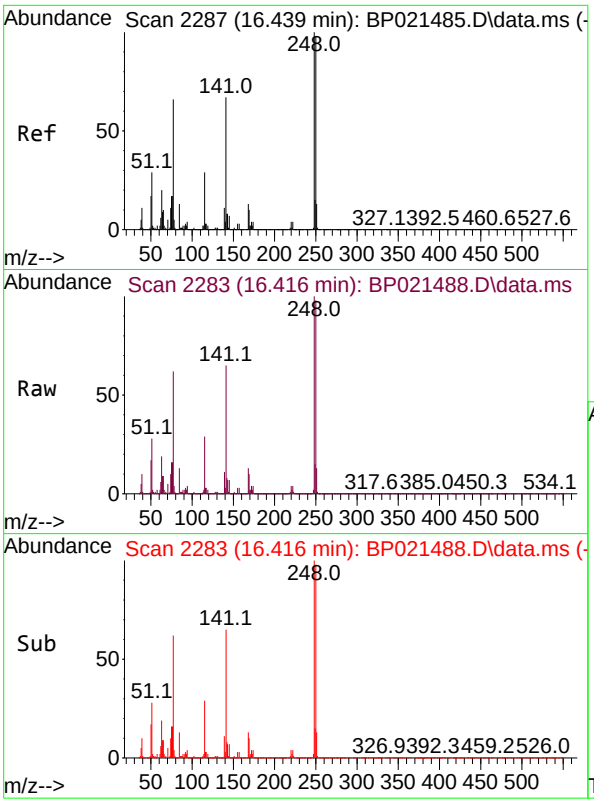


#66
n-Nitrosodiphenylamine
Concen: 79.247 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:169 Resp: 4264380

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.4	80.2
167	35.8	28.7	43.1

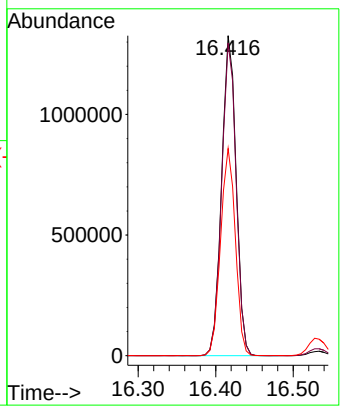




#67
4-Bromophenyl-phenylether
Concen: 81.480 ng
RT: 16.416 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:248 Resp: 173159

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	64.7	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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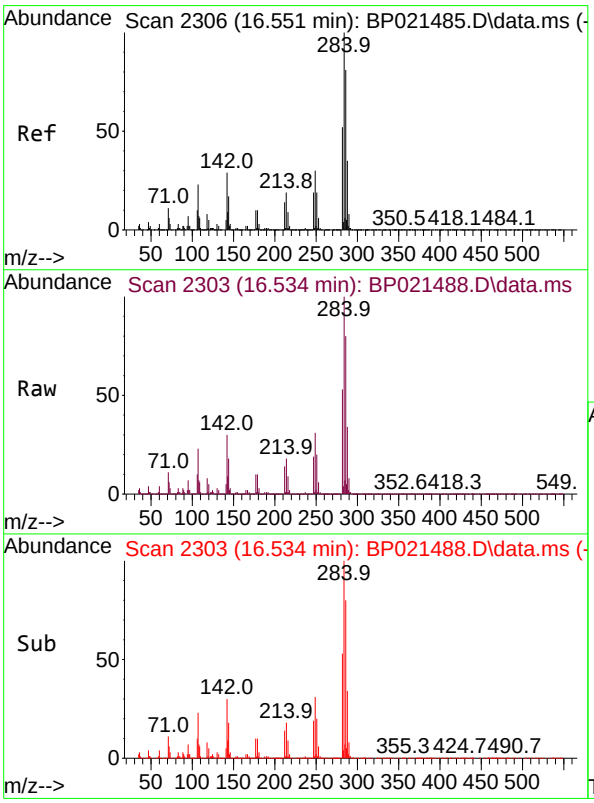
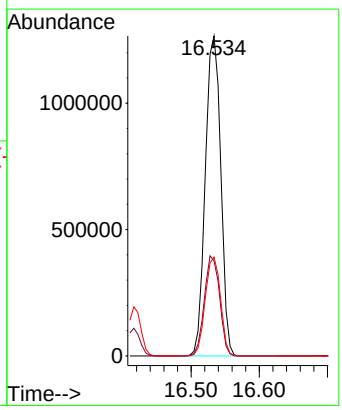
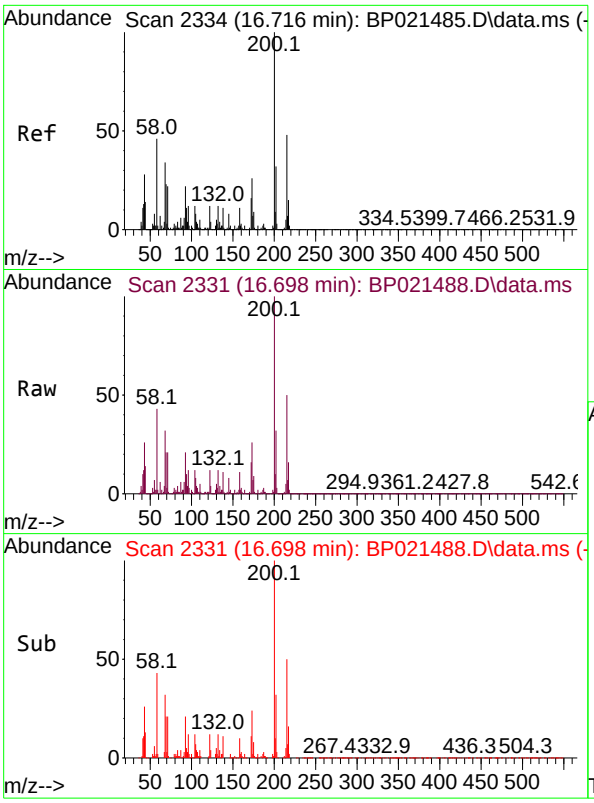


#68
Hexachlorobenzene
Concen: 79.402 ng
RT: 16.534 min Scan# 2303
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:284 Resp: 1994136

Ion	Ratio	Lower	Upper
284	100		
142	29.7	23.4	35.2
249	30.9	24.1	36.1

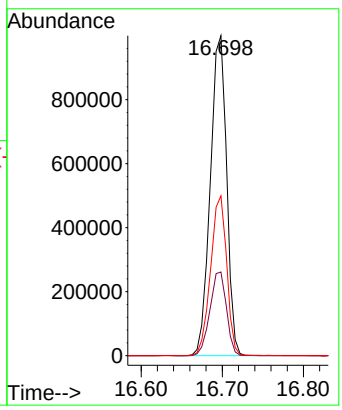




#69
Atrazine
Concen: 75.542 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:200 Resp: 139564

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.2	46.2
215	49.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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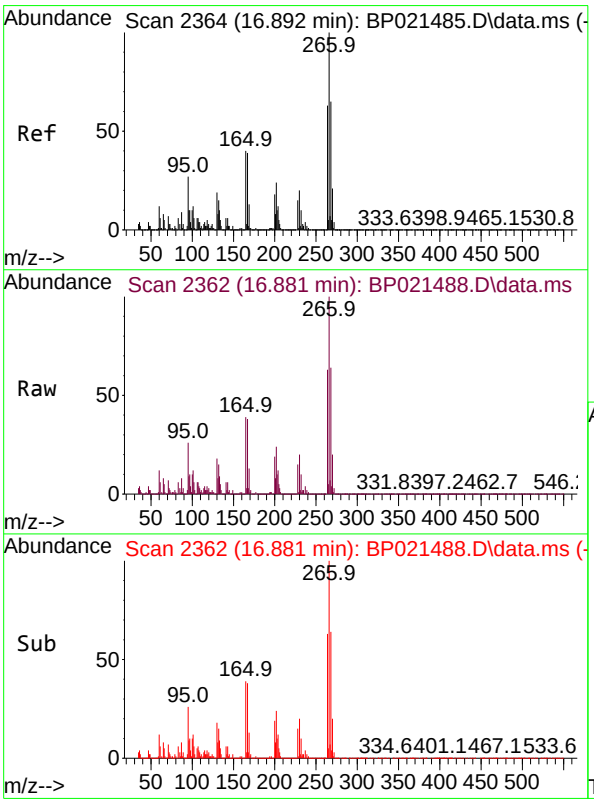
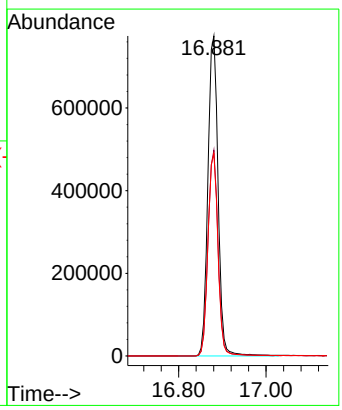
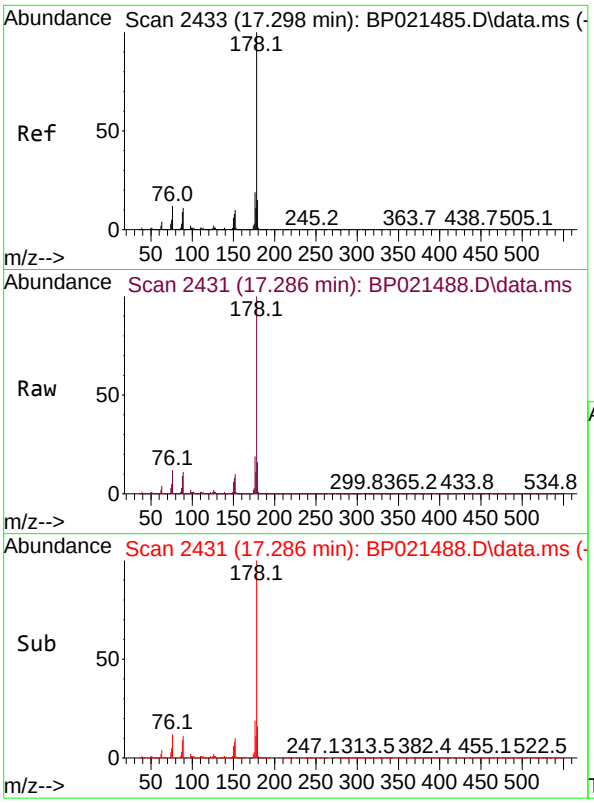


#70
Pentachlorophenol
Concen: 91.649 ng
RT: 16.881 min Scan# 2362
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:266 Resp: 1256277

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.3	50.5	75.7

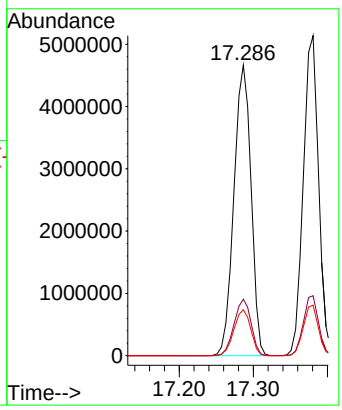




#71
Phenanthrene
Concen: 77.481 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 748223

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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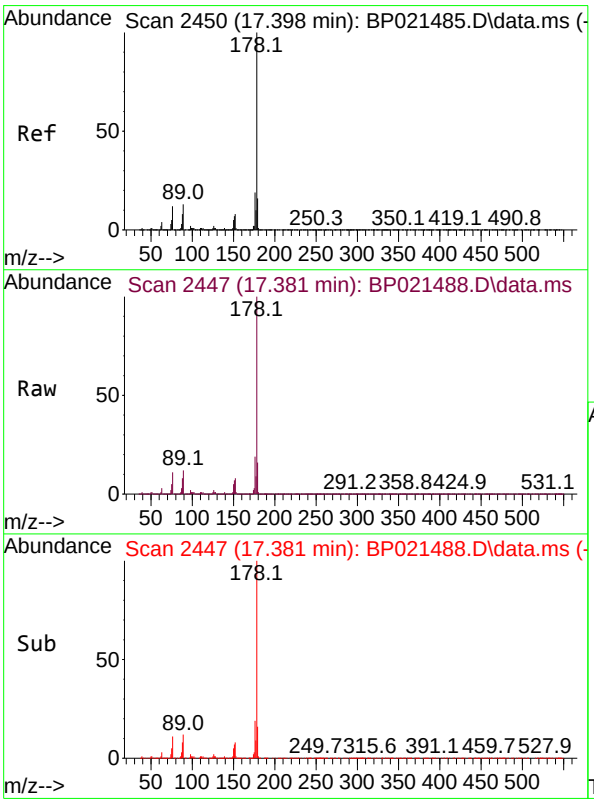
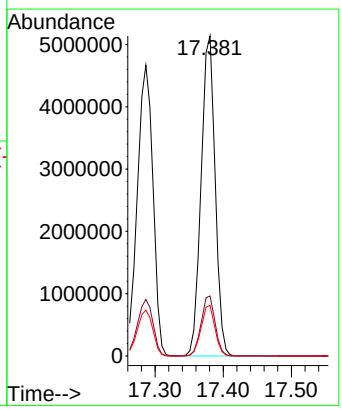
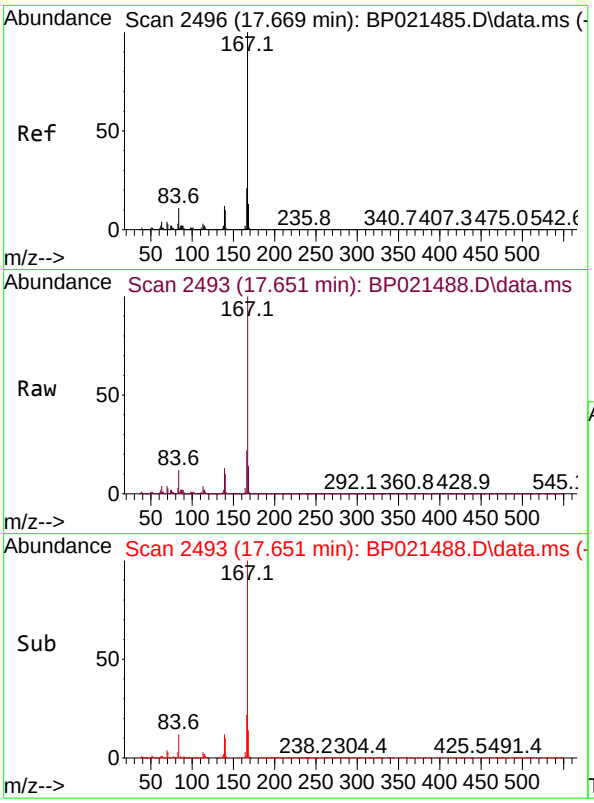


#72
Anthracene
Concen: 77.613 ng
RT: 17.381 min Scan# 2447
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 7350512

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

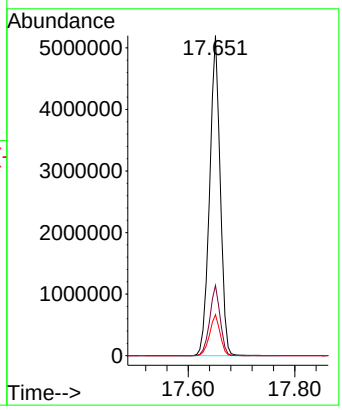




#73
Carbazole
Concen: 78.491 ng
RT: 17.651 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:167 Resp: 716394

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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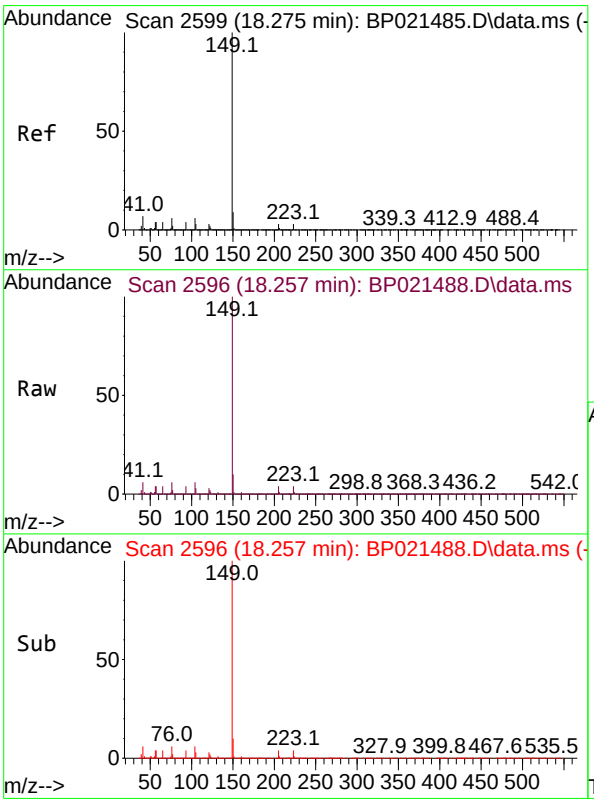
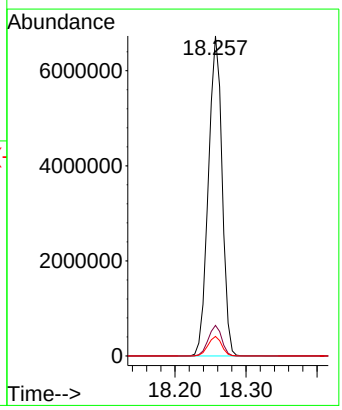
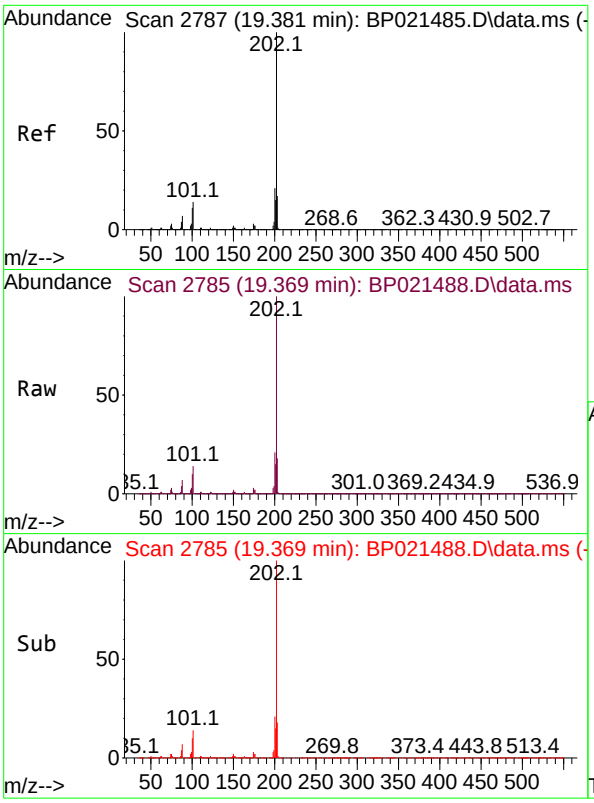


#74
Di-n-butylphthalate
Concen: 80.689 ng
RT: 18.257 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 9044596

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	6.1	4.9	7.3

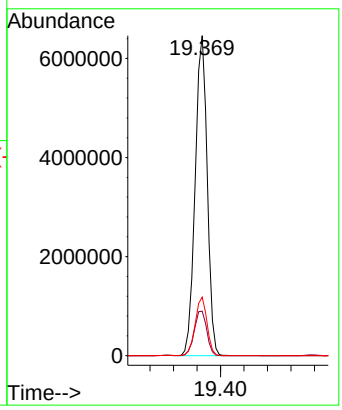




#75
Fluoranthene
Concen: 77.525 ng
RT: 19.369 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 918583

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	18.3	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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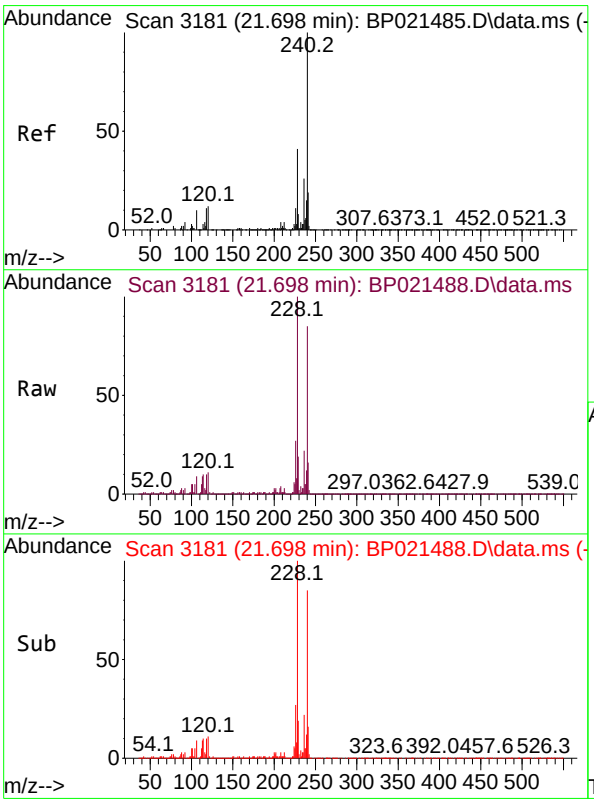
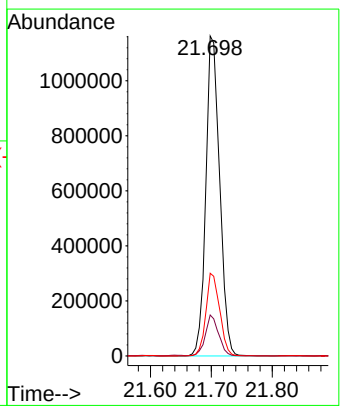
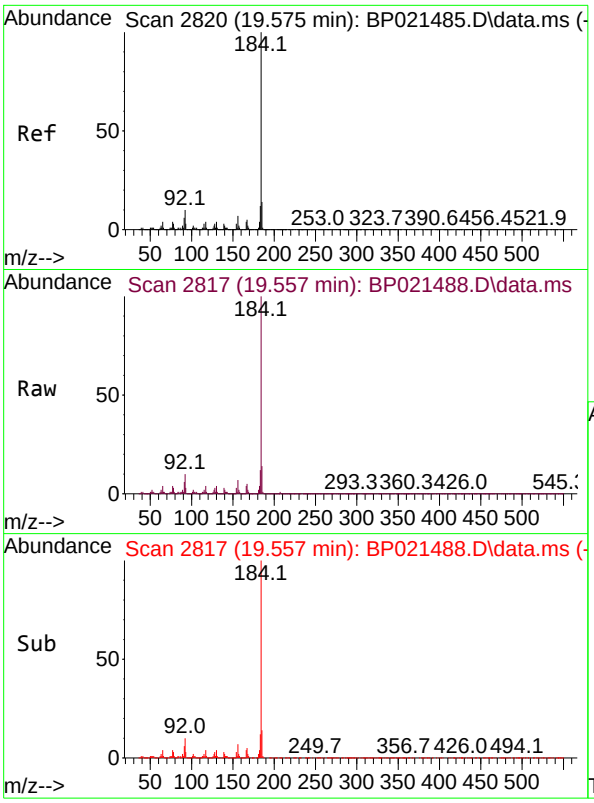


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:240 Resp: 1834396

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.9	14.9
236	25.8	20.6	30.8

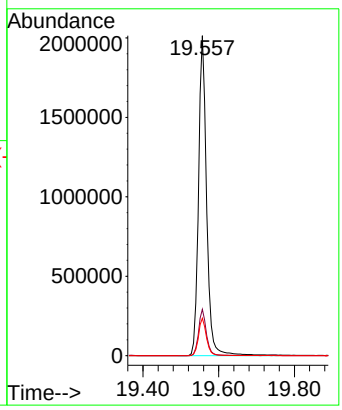




#77
Benzidine
Concen: 82.290 ng
RT: 19.557 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 300061

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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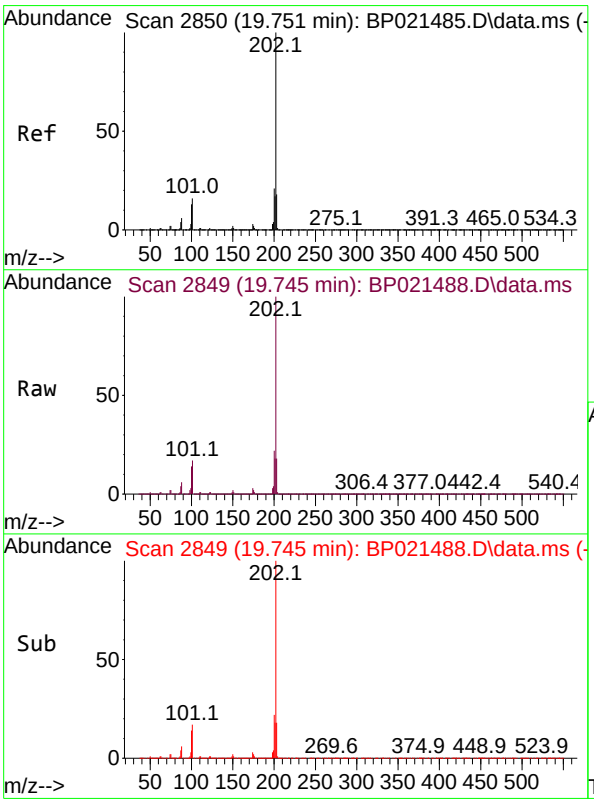
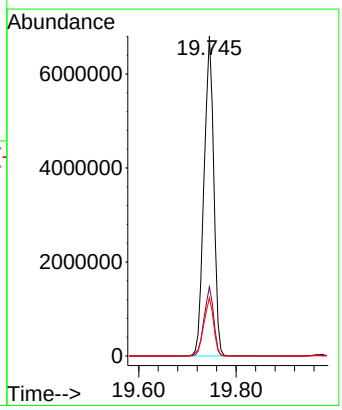
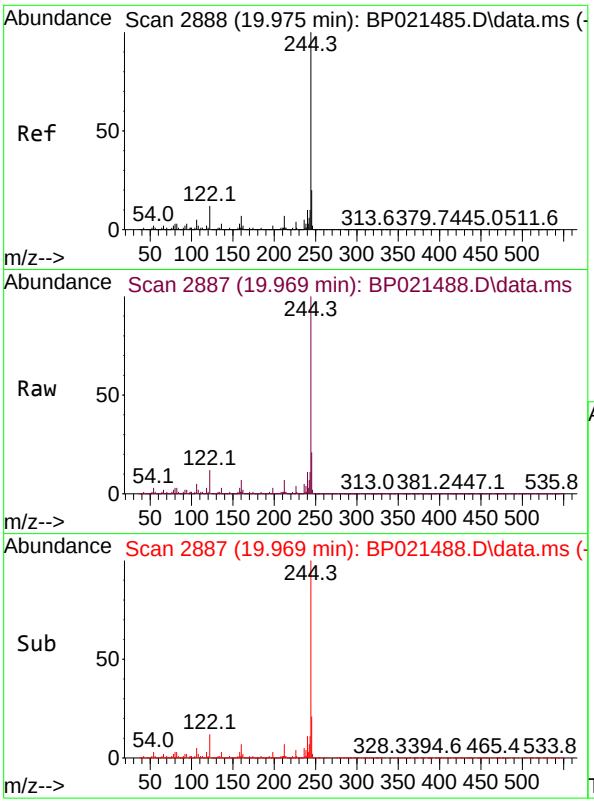


#78
Pyrene
Concen: 78.450 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 9406096

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.1	14.1	21.1

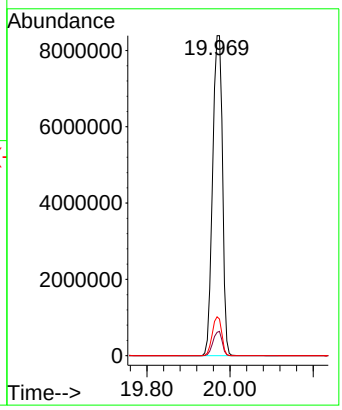




#79
Terphenyl-d14
Concen: 145.311 ng
RT: 19.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:244 Resp:1372075

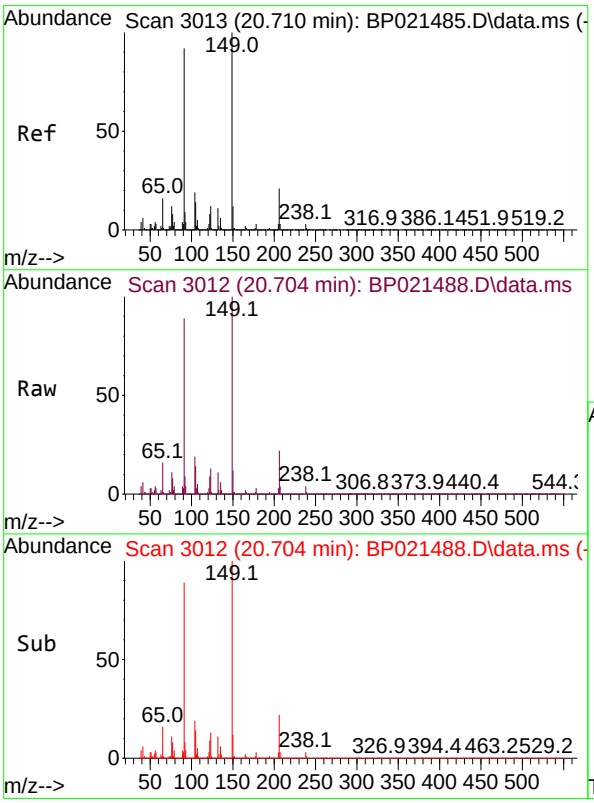
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

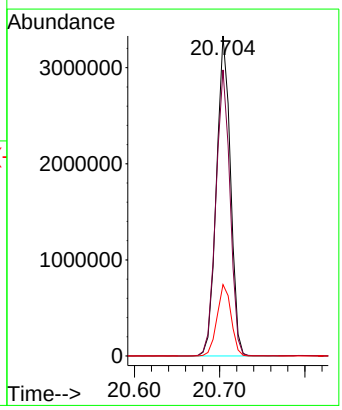
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

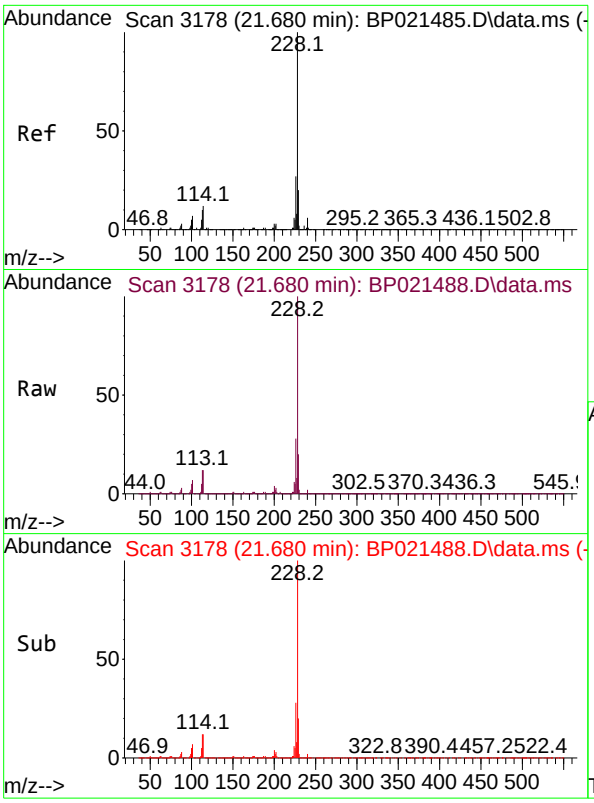


#80
Butylbenzylphthalate
Concen: 80.964 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 3806046

Ion	Ratio	Lower	Upper
149	100		
91	89.4	73.3	109.9
206	22.3	17.1	25.7

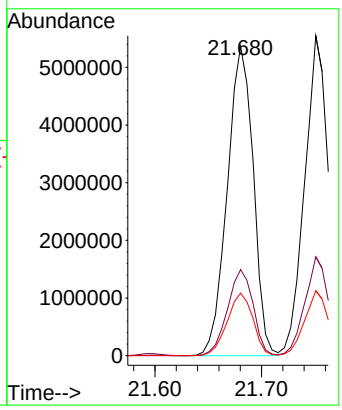




#81
Benzo(a)anthracene
Concen: 79.168 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:228 Resp: 9116699

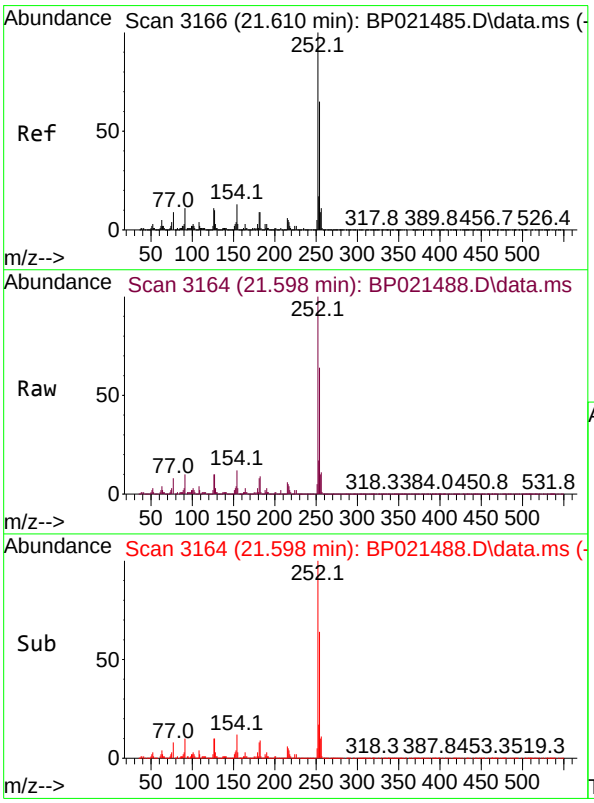
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.2	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

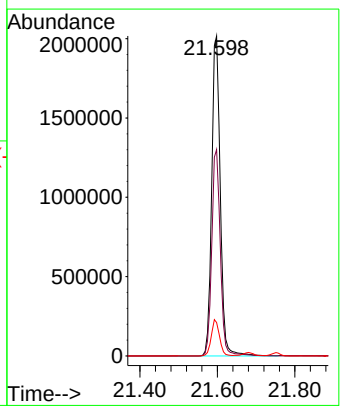
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

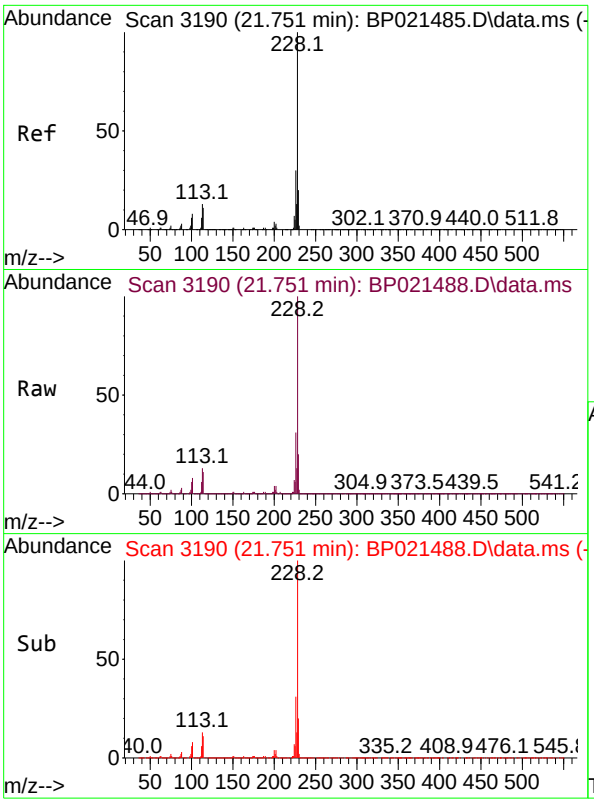


#82
3,3'-Dichlorobenzidine
Concen: 83.768 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 3092890

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	10.4	8.7	13.1

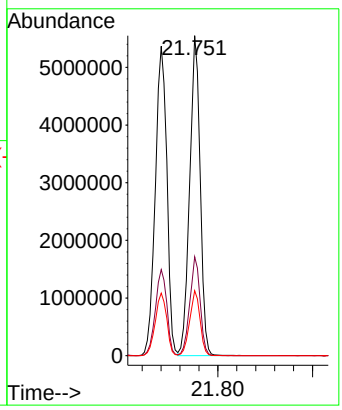




#83
Chrysene
Concen: 78.894 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:228 Resp: 857762

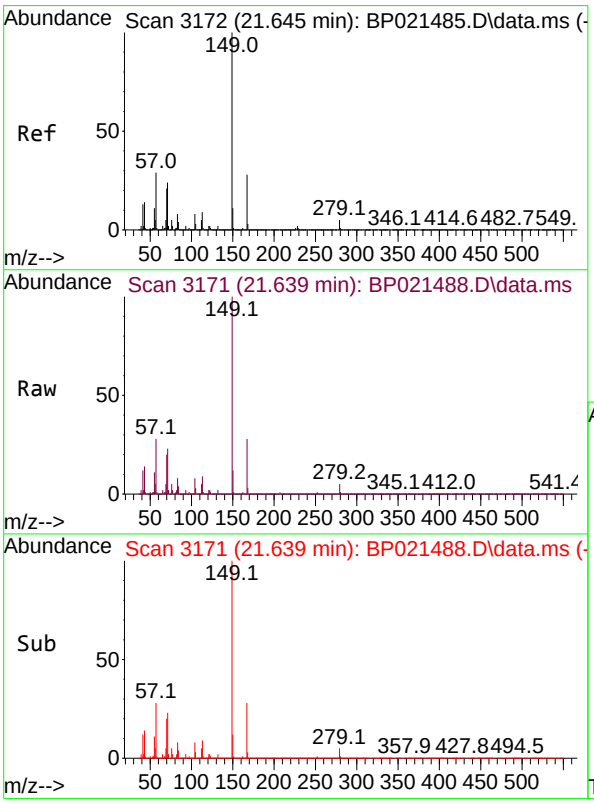
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	20.3	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

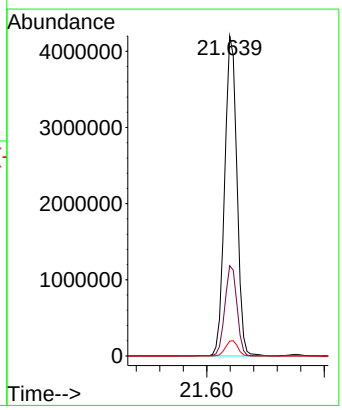
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

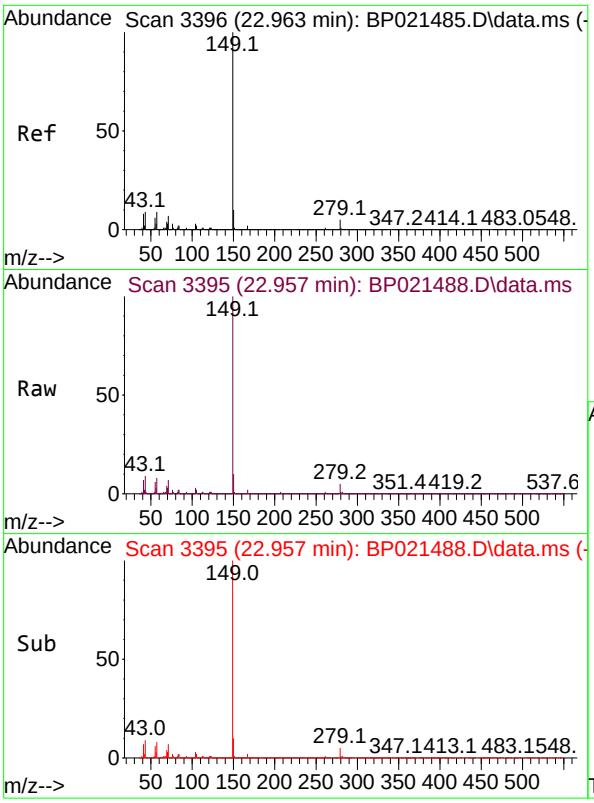


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.068 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 6062099

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.8	5.6

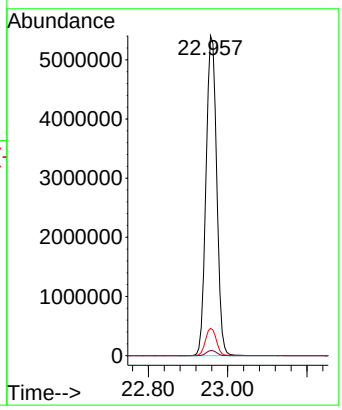




#85
Di-n-octyl phthalate
Concen: 80.797 ng
RT: 22.957 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp:1009931

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
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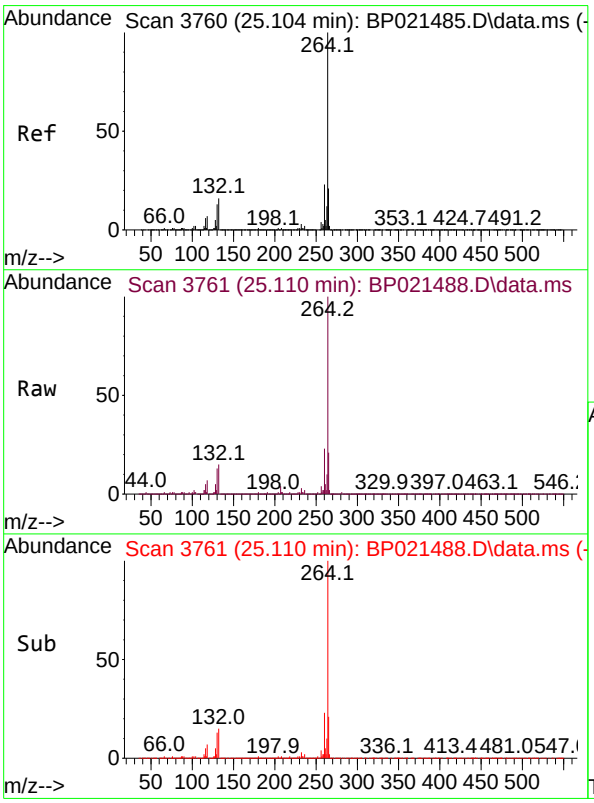
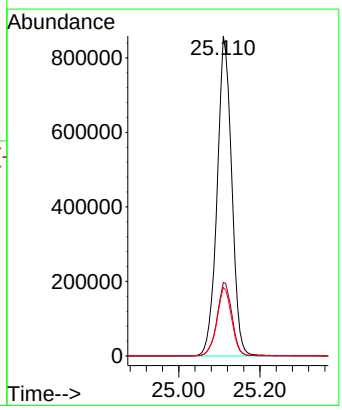
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

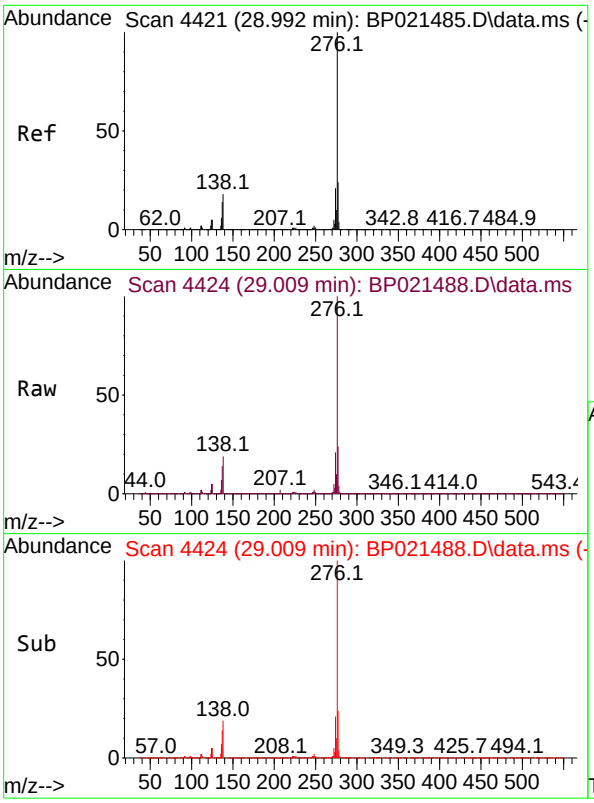


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:264 Resp: 2148798

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.4	17.1	25.7

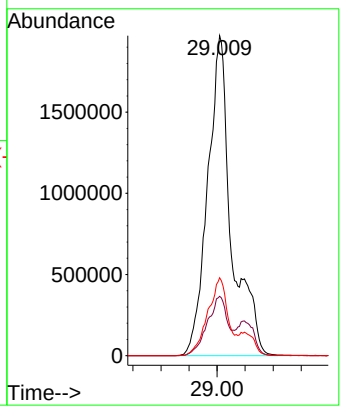




#87
Indeno(1,2,3-cd)pyrene
Concen: 83.285 ng m
RT: 29.009 min Scan# 44
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp:1159945

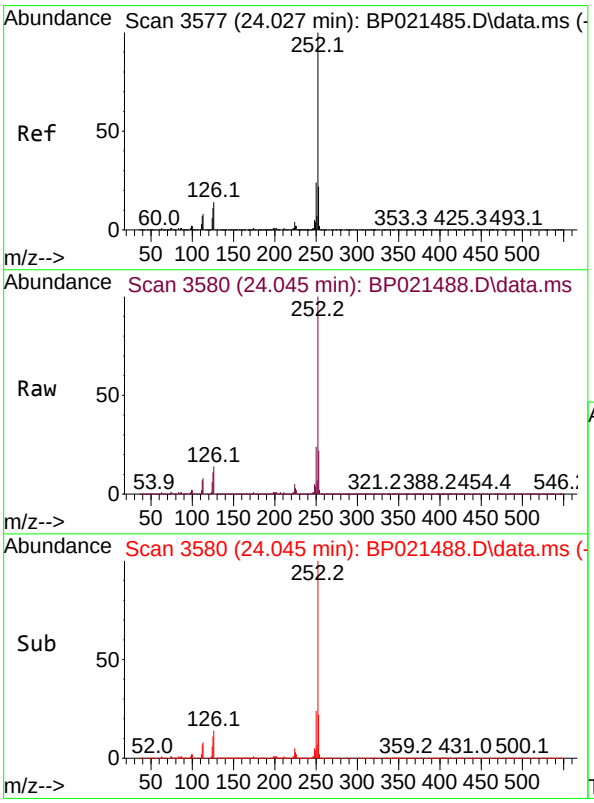
Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.8	19.2
277	20.9	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

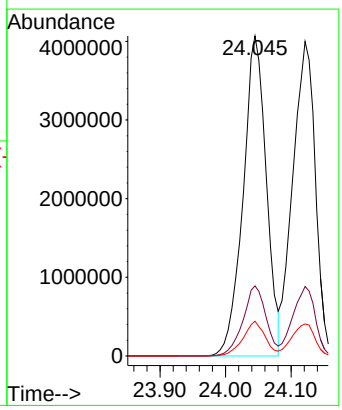
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

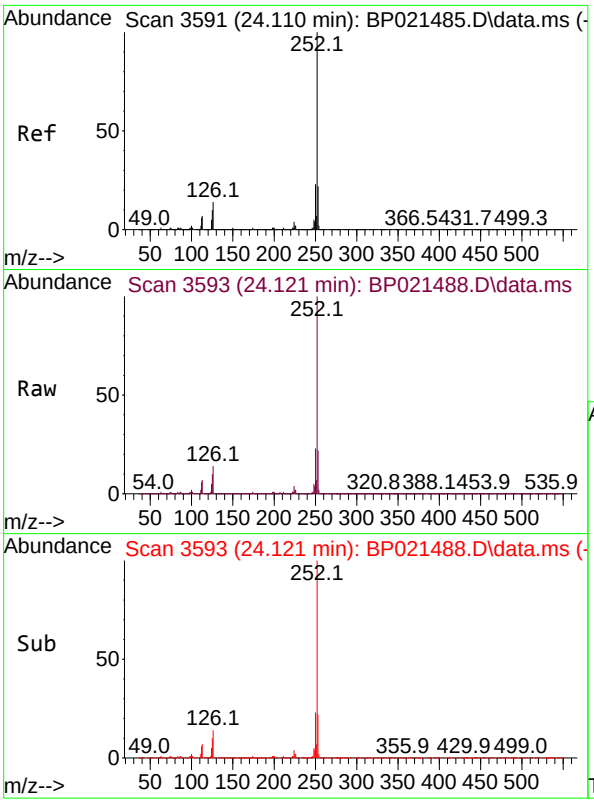


#88
Benzo(b)fluoranthene
Concen: 80.984 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 9994213

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 79.279 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

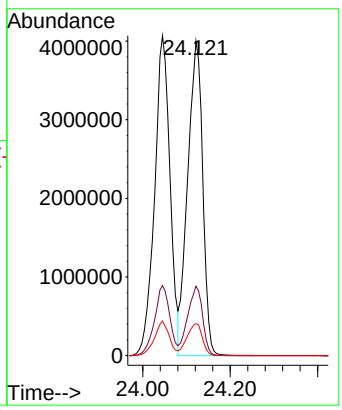
Tgt Ion:252 Resp: 954416

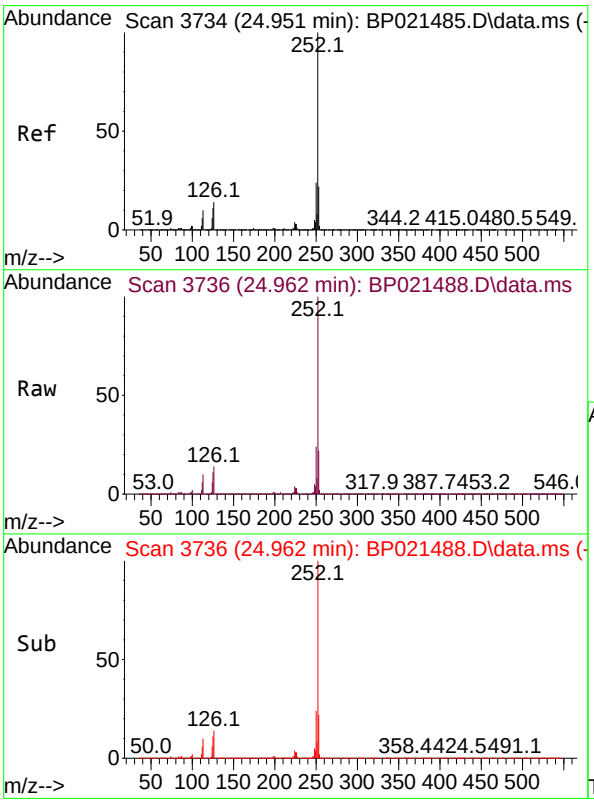
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.2	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

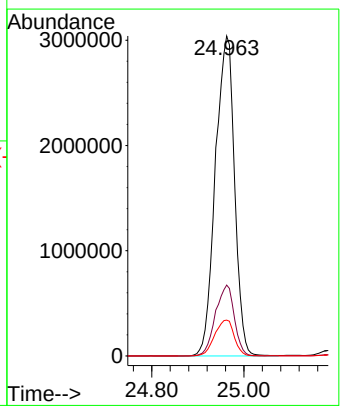


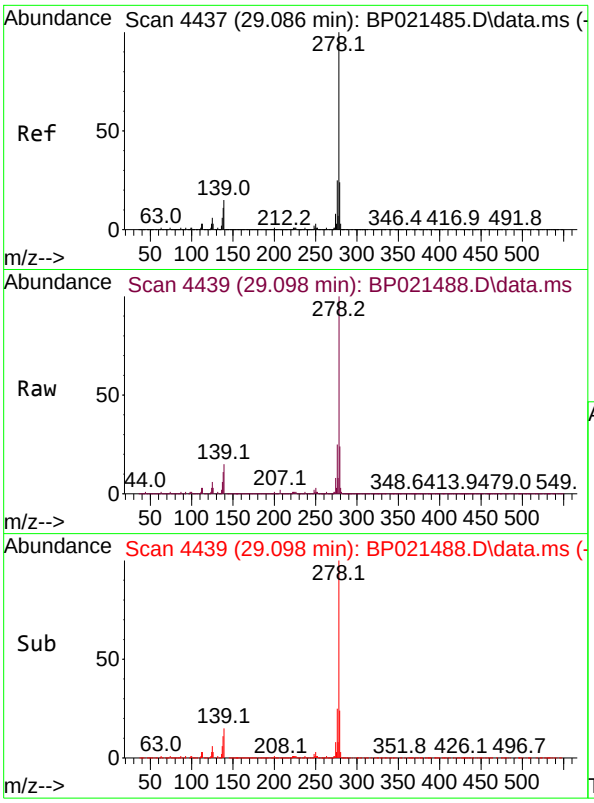


#90
Benzo(a)pyrene
Concen: 81.773 ng
RT: 24.962 min Scan# 3736
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 8757562

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	8.7	13.1

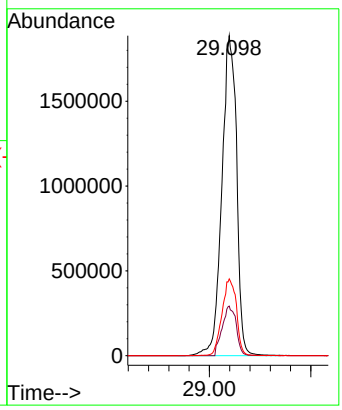




#91
Dibenzo(a,h)anthracene
Concen: 82.349 ng
RT: 29.098 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:278 Resp: 953045

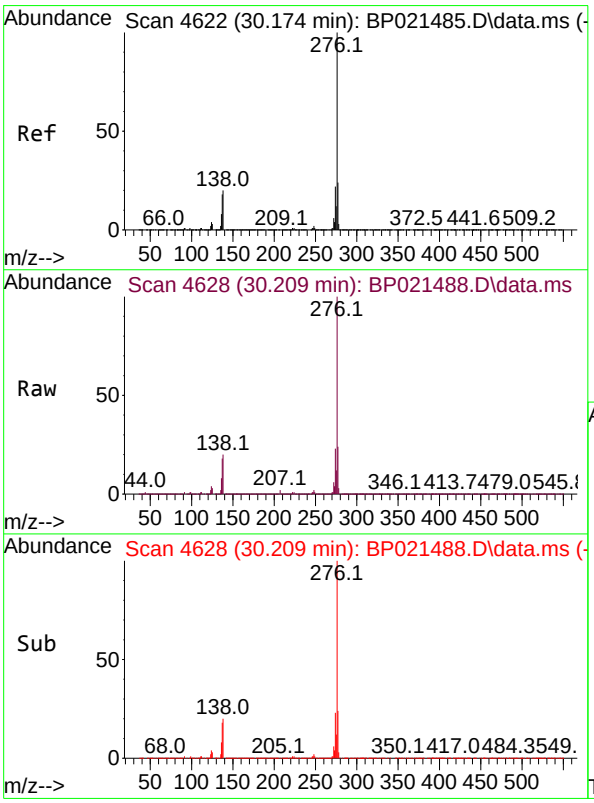
Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

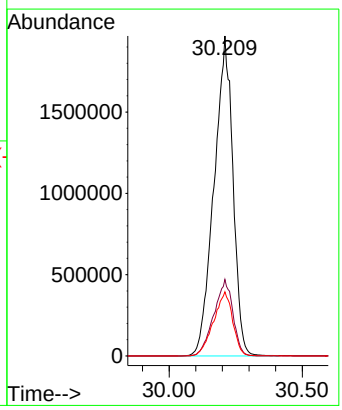
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 83.581 ng
RT: 30.209 min Scan# 4628
Delta R.T. 0.035 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp: 9695156

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	20.1	16.0	24.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	443421	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	2000407	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1334240	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2538103	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1932921	20.000	ng	0.02
86) Perylene-d12	25.121	264	2127555	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2413201	80.810	ng	0.00
7) Phenol-d6	6.964	99	3740158	85.856	ng	0.00
23) Nitrobenzene-d5	8.958	82	3463320	89.361	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1239599	83.477	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	6875867	78.649	ng	0.00
79) Terphenyl-d14	19.986	244	8578102	86.216	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	537338	37.948	ng	100
3) Pyridine	3.705	79	1598732m	40.445	ng	
4) n-Nitrosodimethylamine	3.617	42	478013	40.233	ng	100
6) Aniline	7.128	93	1811514	41.596	ng	100
8) 2-Chlorophenol	7.375	128	1167341	42.300	ng	99
9) Benzaldehyde	6.946	77	1127798	40.434	ng	99
10) Phenol	6.993	94	1922019	42.607	ng	97
11) bis(2-Chloroethyl)ether	7.228	93	1585750	41.543	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1300530	39.674	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1309606	39.564	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1271884	39.873	ng	99
15) Benzyl Alcohol	8.034	79	1390052	44.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	1471975	41.875	ng	99
17) 2-Methylphenol	8.234	107	1245871	43.687	ng	100
18) Hexachloroethane	8.893	117	540967	40.755	ng	99
19) n-Nitroso-di-n-propyla...	8.611	70	1303123	43.304	ng	99
20) 3+4-Methylphenols	8.563	107	1724643	44.850	ng	98
22) Acetophenone	8.622	105	2454249	39.936	ng	98
24) Nitrobenzene	8.999	77	1820293	43.244	ng	98
25) Isophorone	9.516	82	3726496	40.700	ng	100
26) 2-Nitrophenol	9.705	139	501343	47.780	ng	99
27) 2,4-Dimethylphenol	9.758	122	930478	41.179	ng	99
28) bis(2-Chloroethoxy)met...	10.005	93	2260063	40.438	ng	99
29) 2,4-Dichlorophenol	10.240	162	1159801	43.442	ng	99
30) 1,2,4-Trichlorobenzene	10.458	180	1339874	39.146	ng	97
31) Naphthalene	10.646	128	4141293	39.629	ng	99
32) Benzoic acid	9.899	122	747114	49.839	ng	98
33) 4-Chloroaniline	10.746	127	1594388	40.617	ng	99
34) Hexachlorobutadiene	10.946	225	842702	39.102	ng	99
35) Caprolactam	11.505	113	464342	41.786	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	1591956	42.987	ng	99
37) 2-Methylnaphthalene	12.263	142	2882235	40.412	ng	99
38) 1-Methylnaphthalene	12.475	142	2825877	40.173	ng	100
40) 1,2,4,5-Tetrachloroben...	12.640	216	1573947	40.261	ng	100
41) Hexachlorocyclopentadiene	12.622	237	535050	43.183	ng	99
43) 2,4,6-Trichlorophenol	12.869	196	960914	44.249	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.940	196	1071161	44.396	ng		98
46) 1,1'-Biphenyl	13.281	154	3732699	39.542	ng		99
47) 2-Chloronaphthalene	13.322	162	2917301	39.695	ng		99
48) 2-Nitroaniline	13.510	65	874355	43.044	ng		98
49) Acenaphthylene	14.181	152	4270895	39.531	ng		100
50) Dimethylphthalate	13.910	163	3496130	39.127	ng		99
51) 2,6-Dinitrotoluene	14.022	165	735994	41.424	ng		97
52) Acenaphthene	14.528	154	2790584	39.366	ng		99
53) 3-Nitroaniline	14.351	138	705420	40.483	ng		97
54) 2,4-Dinitrophenol	14.546	184	215120	45.065	ng	#	56
55) Dibenzofuran	14.863	168	4202990	38.543	ng		99
56) 4-Nitrophenol	14.640	139	545969	39.582	ng		98
57) 2,4-Dinitrotoluene	14.810	165	917790	40.864	ng		93
58) Fluorene	15.522	166	3409197	38.055	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.093	232	866459	42.310	ng		99
60) Diethylphthalate	15.293	149	3461071	37.752	ng		99
61) 4-Chlorophenyl-phenyle...	15.528	204	1795669	38.777	ng		98
62) 4-Nitroaniline	15.534	138	685273	38.254	ng		99
63) Azobenzene	15.828	77	4263599	37.833	ng		99
65) 4,6-Dinitro-2-methylph...	15.593	198	343500	46.281	ng		99
66) n-Nitrosodiphenylamine	15.734	169	2863059	42.093	ng		100
67) 4-Bromophenyl-phenylether	16.440	248	1135965	42.289	ng		99
68) Hexachlorobenzene	16.551	284	1306627	41.161	ng		97
69) Atrazine	16.710	200	907263	38.851	ng		99
70) Pentachlorophenol	16.898	266	770079	44.446	ng		100
71) Phenanthrene	17.298	178	4826486	39.541	ng		100
72) Anthracene	17.398	178	4745227	39.639	ng		100
73) Carbazole	17.675	167	4321248	37.457	ng		99
74) Di-n-butylphthalate	18.281	149	5456093	38.509	ng		100
75) Fluoranthene	19.386	202	5434874	36.288	ng		99
77) Benzidine	19.569	184	1367550	30.320	ng		99
78) Pyrene	19.763	202	5438173	43.044	ng		100
80) Butylbenzylphthalate	20.710	149	1972270	41.647	ng		97
81) Benzo(a)anthracene	21.692	228	4874495	40.172	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	1592617	40.936	ng		100
83) Chrysene	21.763	228	4554886	39.759	ng		100
84) Bis(2-ethylhexyl)phtha...	21.657	149	3111178	43.381	ng		100
85) Di-n-octyl phthalate	22.974	149	4908258	39.871	ng		100
87) Indeno(1,2,3-cd)pyrene	28.986	276	5668848m	41.105	ng		
88) Benzo(b)fluoranthene	24.039	252	4934155	40.381	ng		99
89) Benzo(k)fluoranthene	24.121	252	4765945	39.984	ng		99
90) Benzo(a)pyrene	24.968	252	4311183	40.657	ng		100
91) Dibenzo(a,h)anthracene	29.104	278	4717815	41.172	ng		99
92) Benzo(g,h,i)perylene	30.203	276	4769954	41.532	ng		99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
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ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

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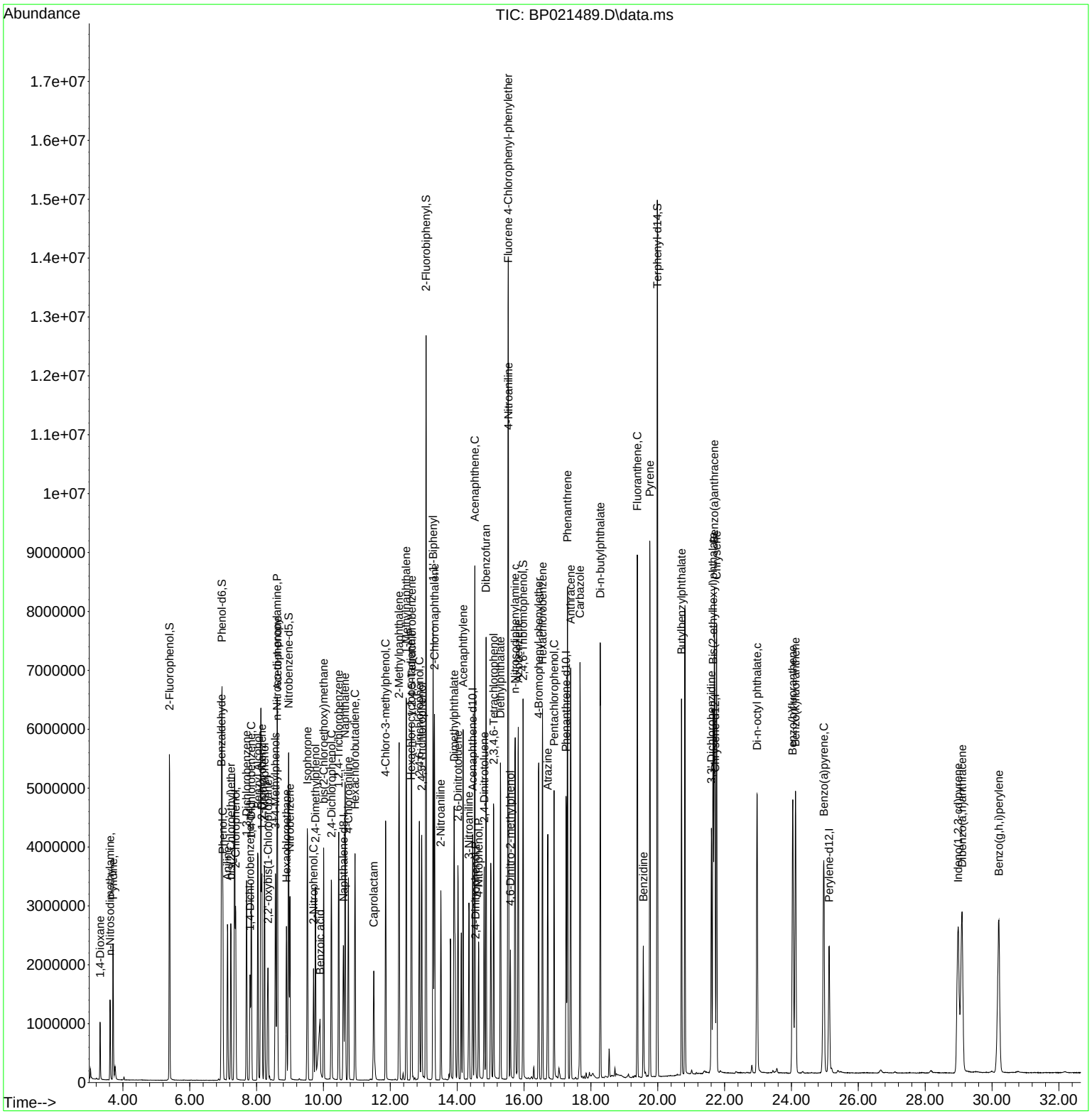
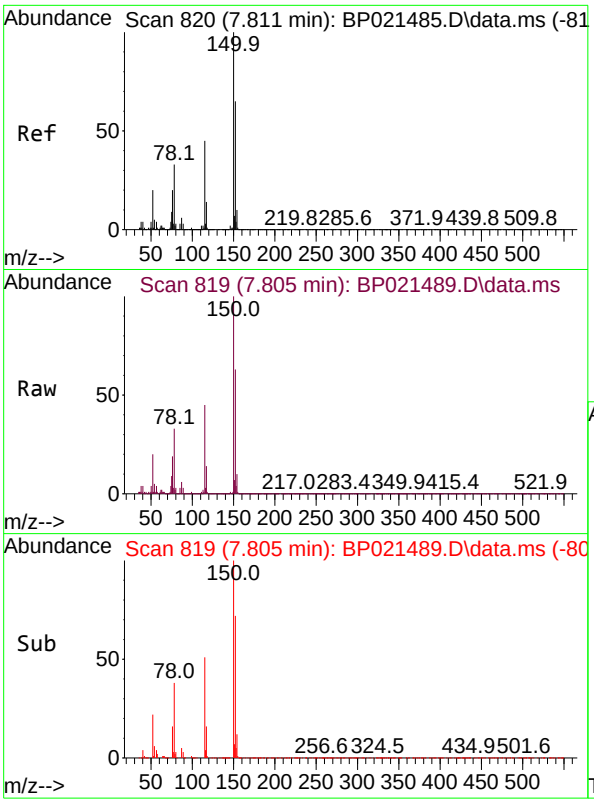
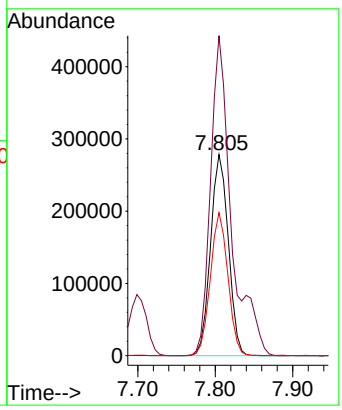




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:152 Resp: 44342

Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.4	183.6
115	71.2	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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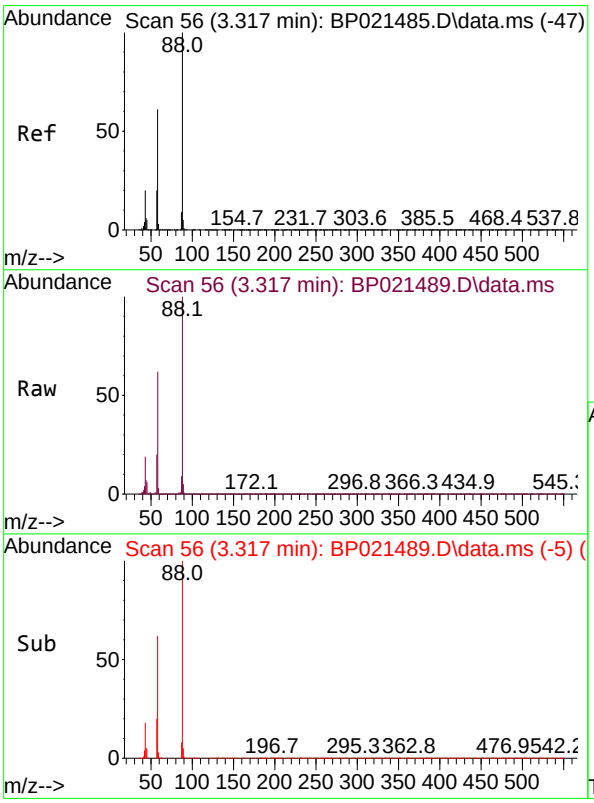
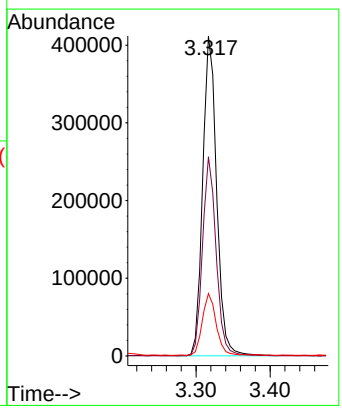
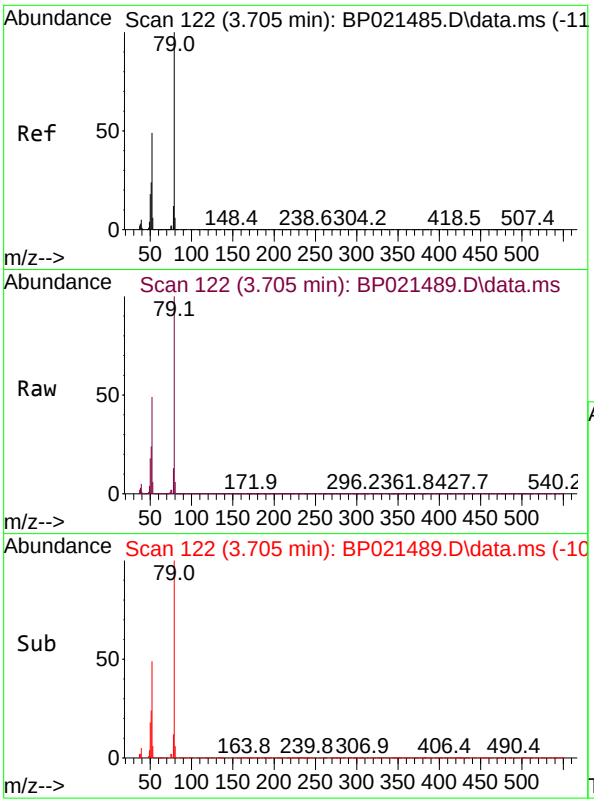


#2
1,4-Dioxane
Concen: 37.948 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 88 Resp: 537338

Ion	Ratio	Lower	Upper
88	100		
58	61.0	48.7	73.1
43	19.3	15.4	23.2

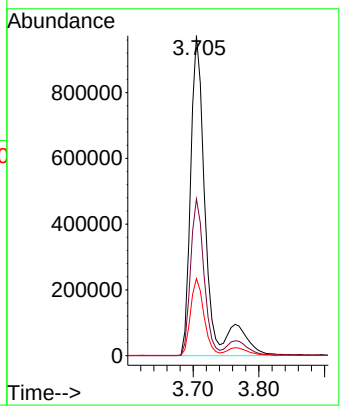




#3
Pyridine
Concen: 40.445 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 159873

Ion	Ratio	Lower	Upper
79	100		
52	49.0	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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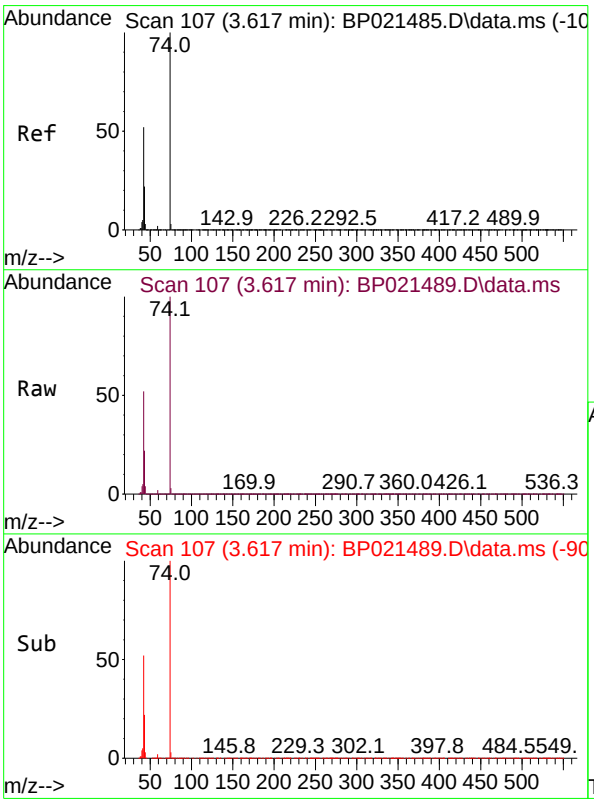
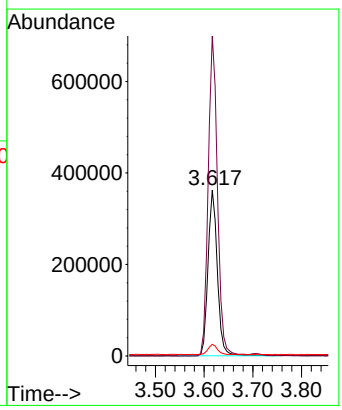
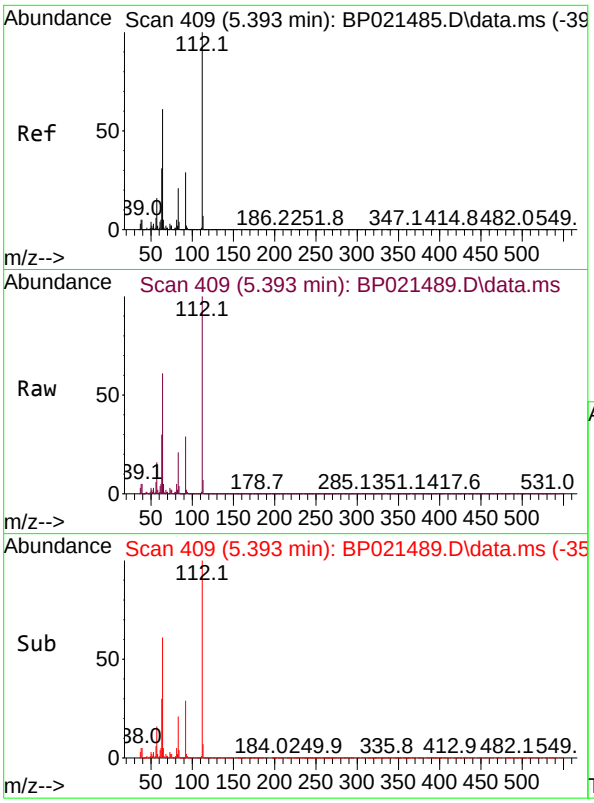


#4
n-Nitrosodimethylamine
Concen: 40.233 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 42 Resp: 478013

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	7.0	6.2	9.4





#5
2-Fluorophenol
Concen: 80.810 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:112 Resp: 241320

Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.0	73.6
63	30.5	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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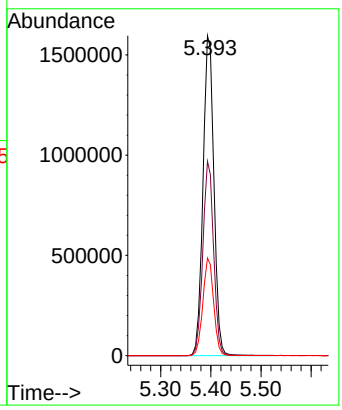
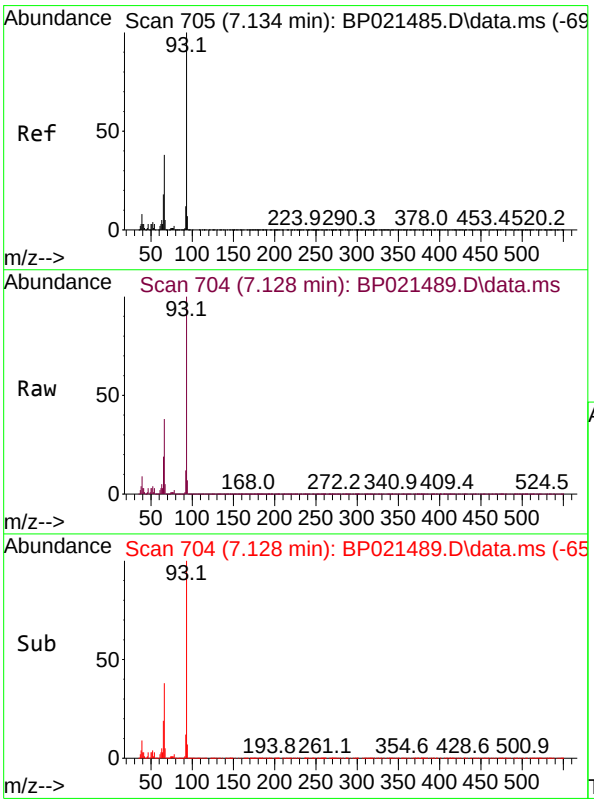
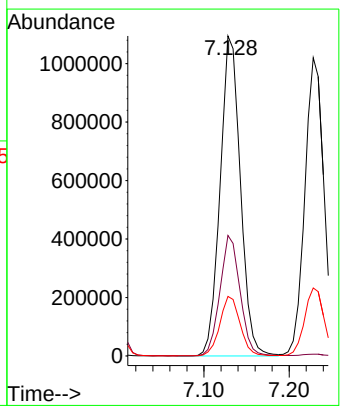


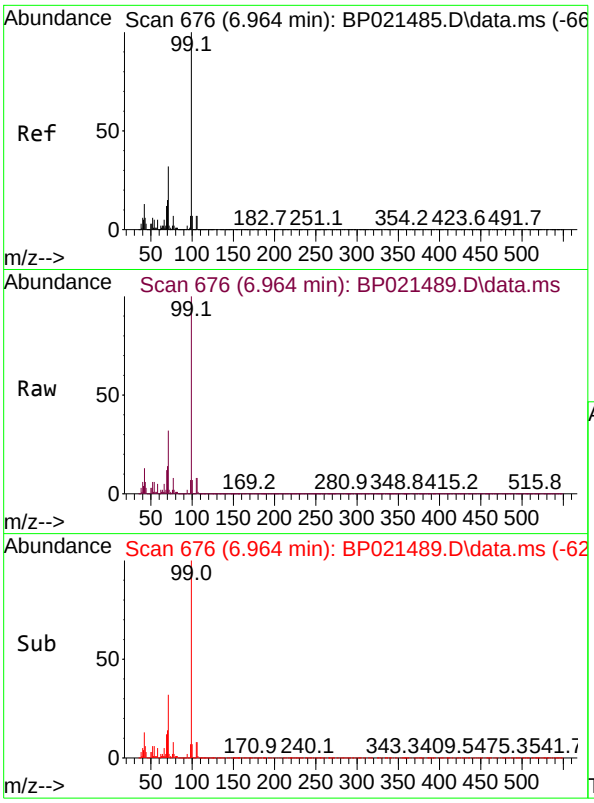


#6
Aniline
Concen: 41.596 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 1811514

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.6	14.7	22.1

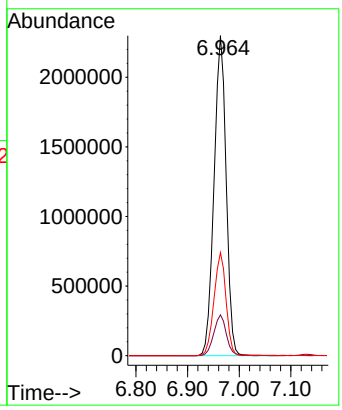




#7
Phenol-d6
Concen: 85.856 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 99 Resp: 374015

Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.2	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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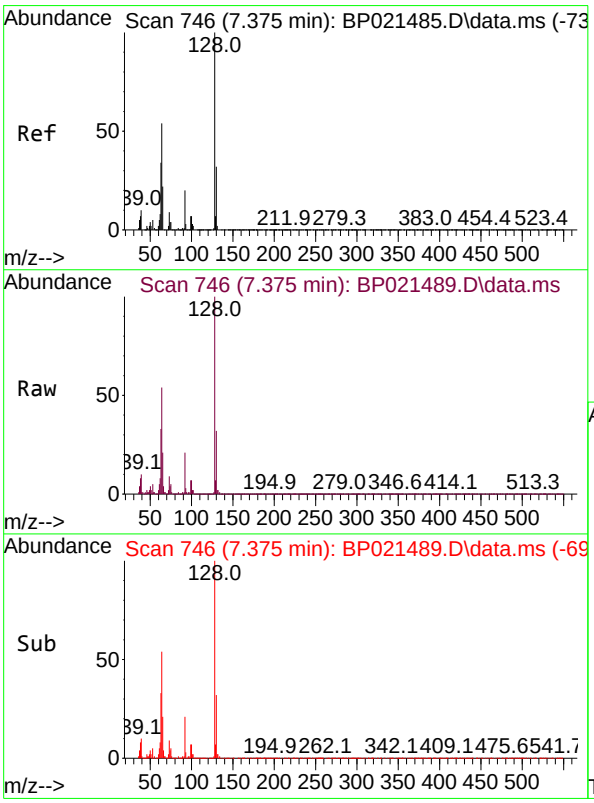
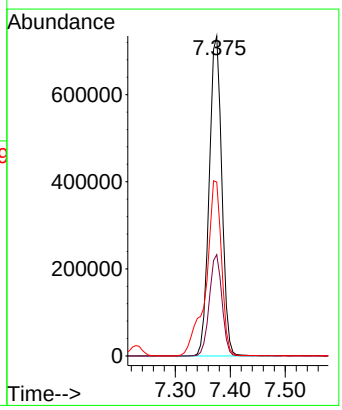
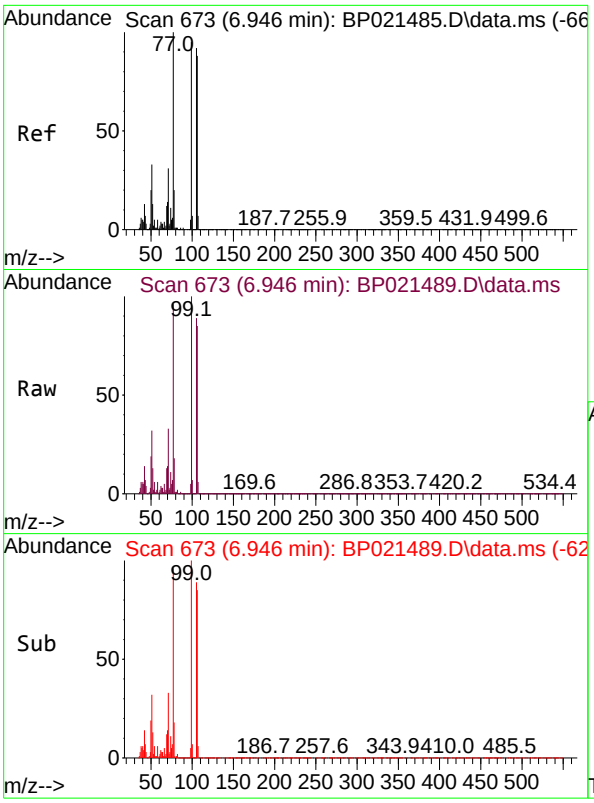


#8
2-Chlorophenol
Concen: 42.300 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 1167341

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	54.4	35.3	75.3

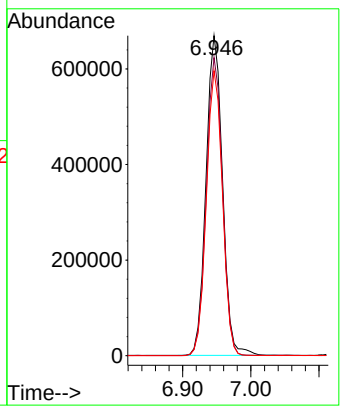




#9
Benzaldehyde
Concen: 40.434 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 112779

Ion	Ratio	Lower	Upper
77	100		
105	93.2	72.1	112.1
106	89.0	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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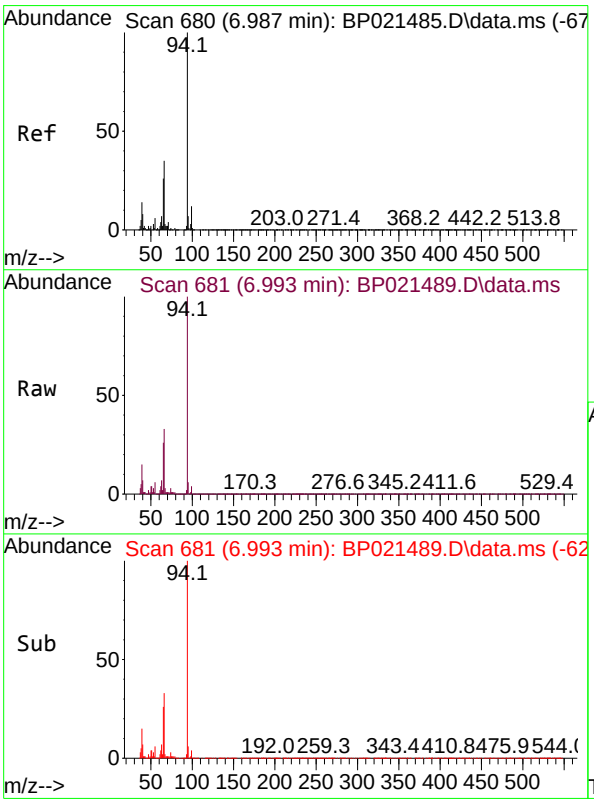
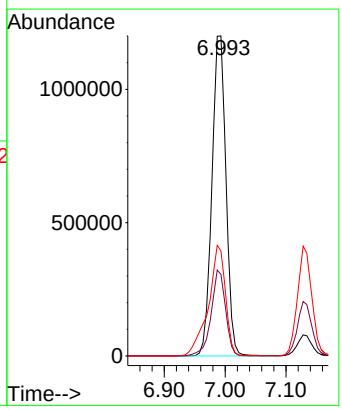
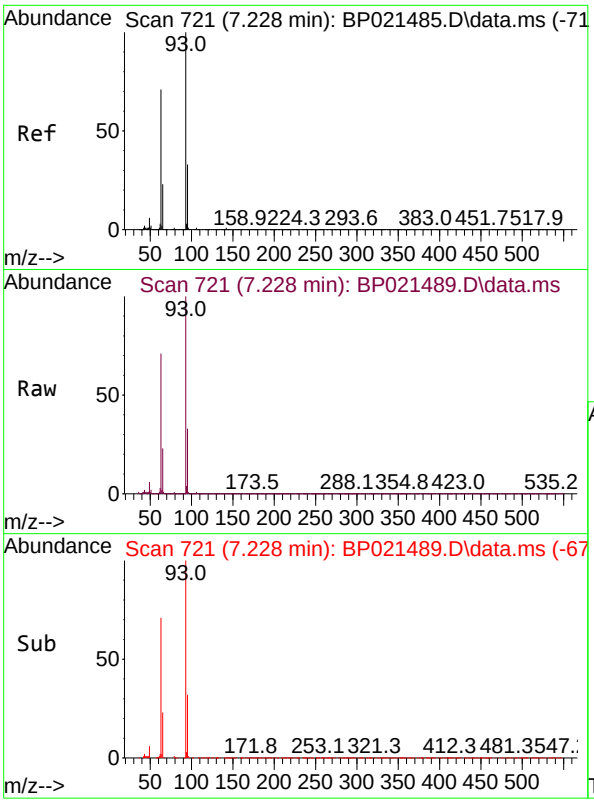


#10
Phenol
Concen: 42.607 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 94 Resp: 1922019

Ion	Ratio	Lower	Upper
94	100		
65	25.5	6.5	46.5
66	32.9	14.7	54.7

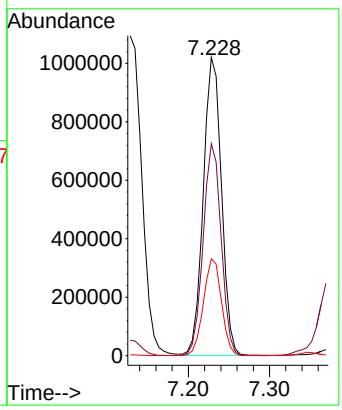




#11
bis(2-Chloroethyl)ether
Concen: 41.543 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 158575

Ion	Ratio	Lower	Upper
93	100		
63	71.1	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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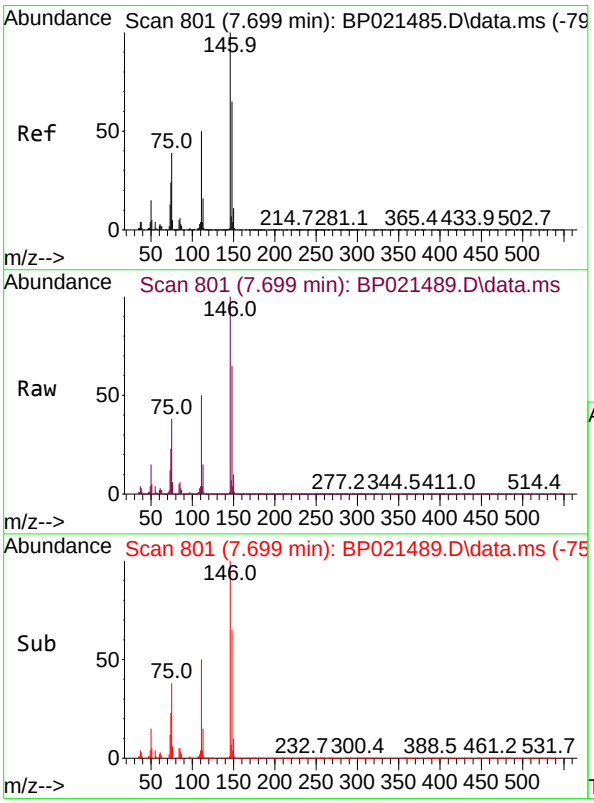
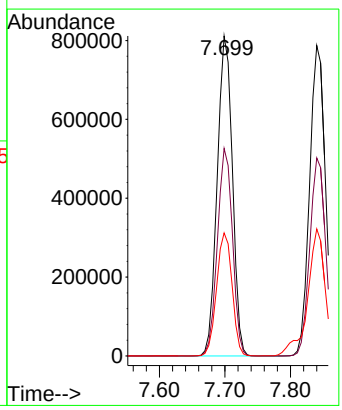
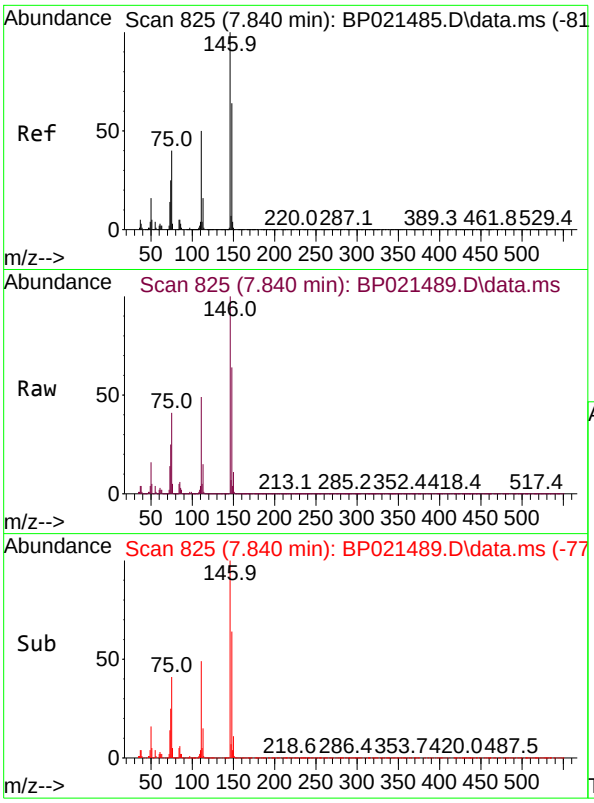


#12
1,3-Dichlorobenzene
Concen: 39.674 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1300530

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	38.5	31.3	46.9

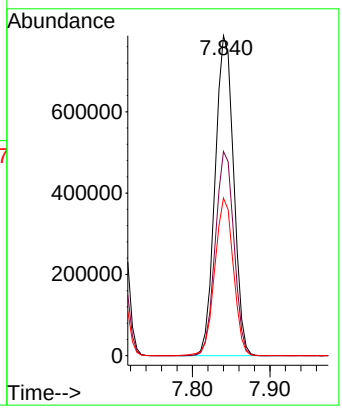




#13
1,4-Dichlorobenzene
Concen: 39.564 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 130960

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.5	77.3
111	49.2	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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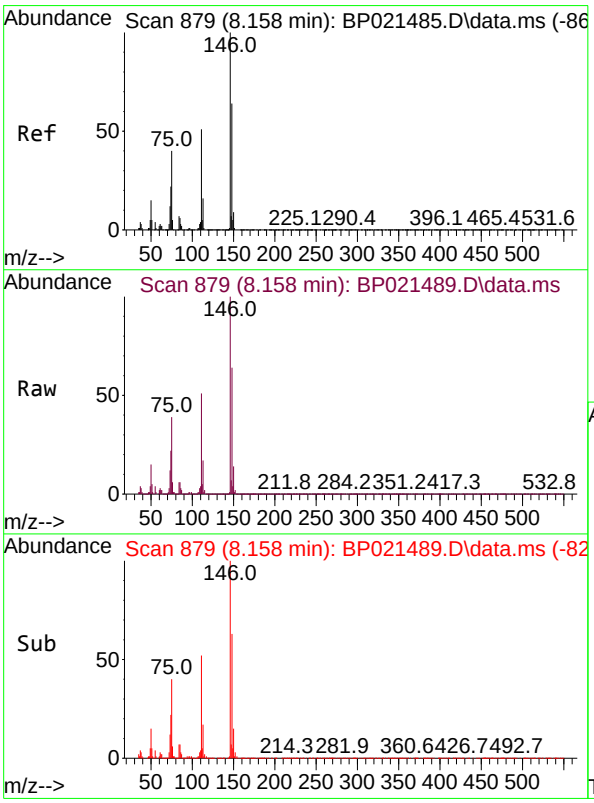
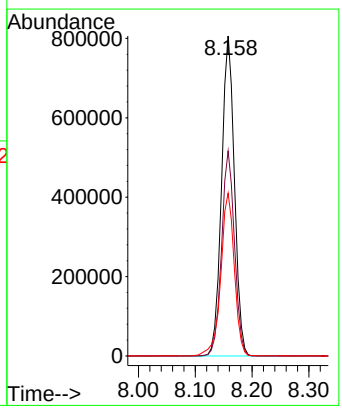
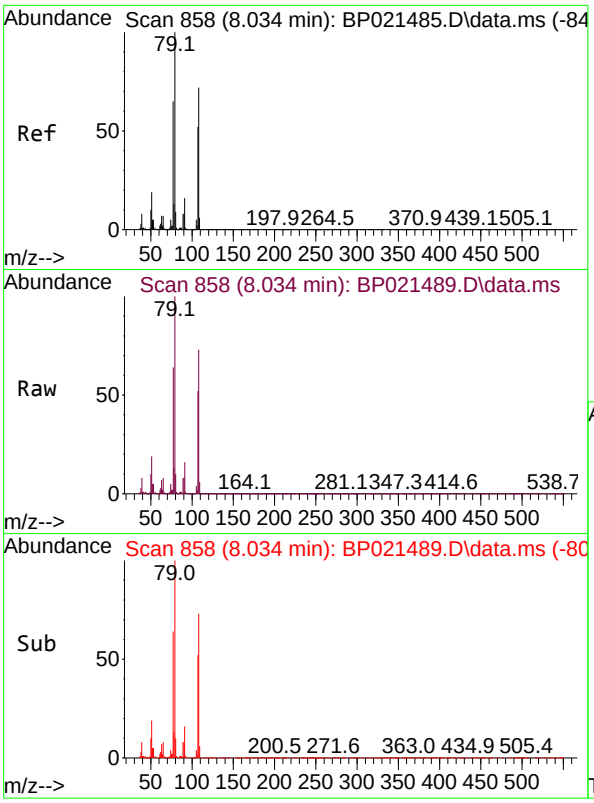


#14
1,2-Dichlorobenzene
Concen: 39.873 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1271884

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 44.472 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 139005

Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.9	86.9
77	64.0	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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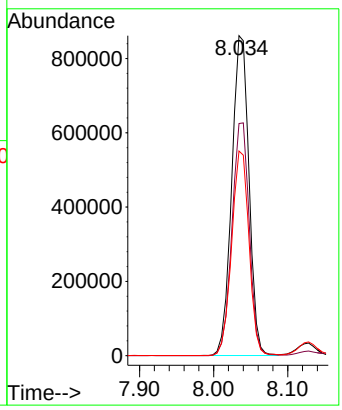
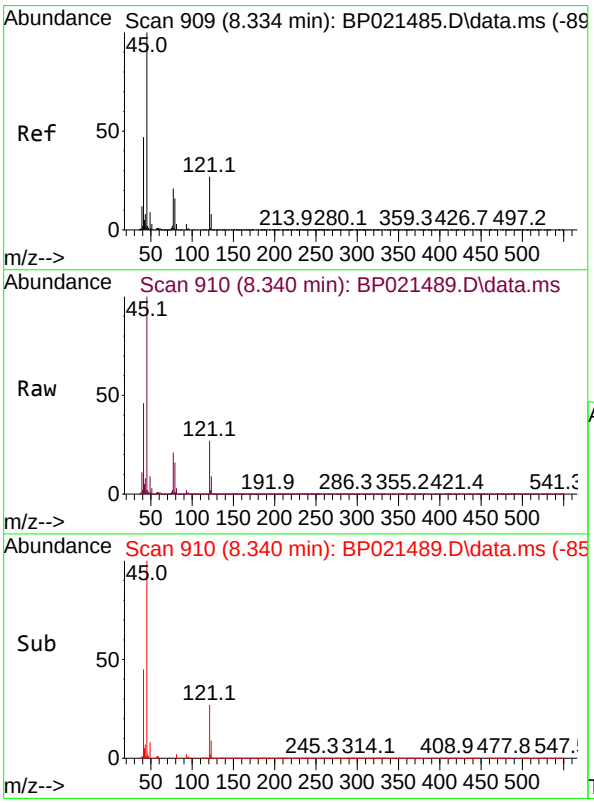
Supervised By :mohammad ahmed 08/14/2024

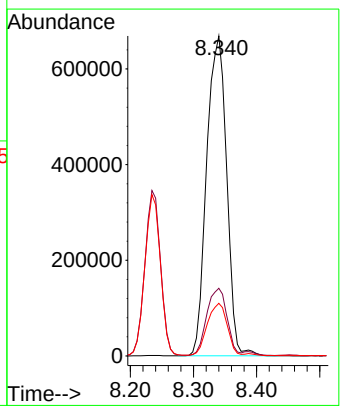


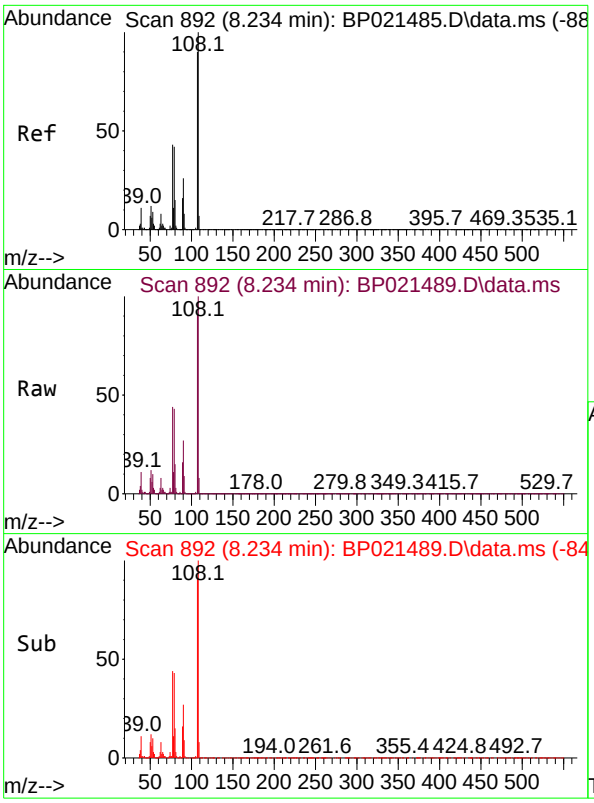


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.875 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 45 Resp: 1471975

Ion	Ratio	Lower	Upper
45	100		
77	21.1	1.9	41.9
79	16.5	0.0	36.6

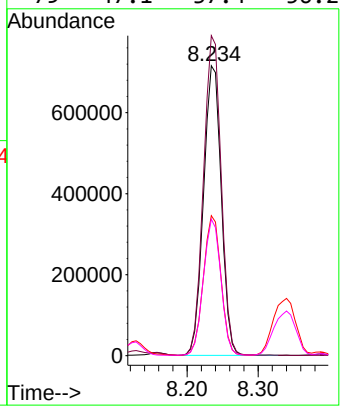




#17
2-Methylphenol
Concen: 43.687 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 124587

Ion	Ratio	Lower	Upper
107	100		
108	110.4	88.8	133.2
77	48.3	38.7	58.1
79	47.1	37.4	56.2



Instrument :
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ClientSampleId :
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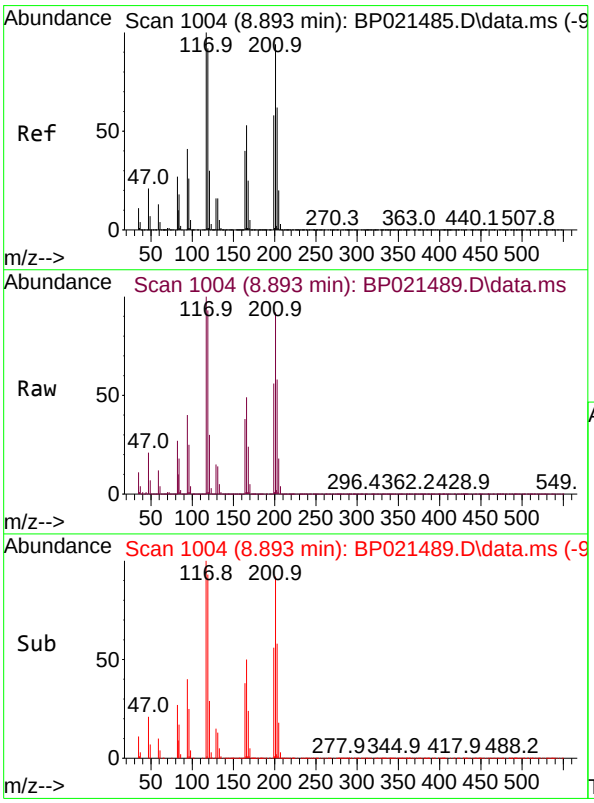
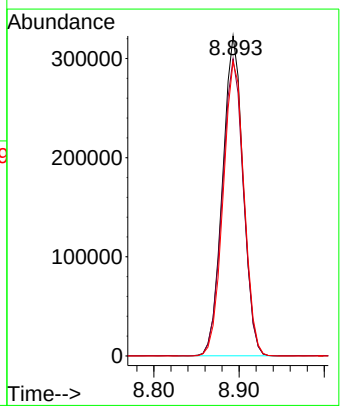
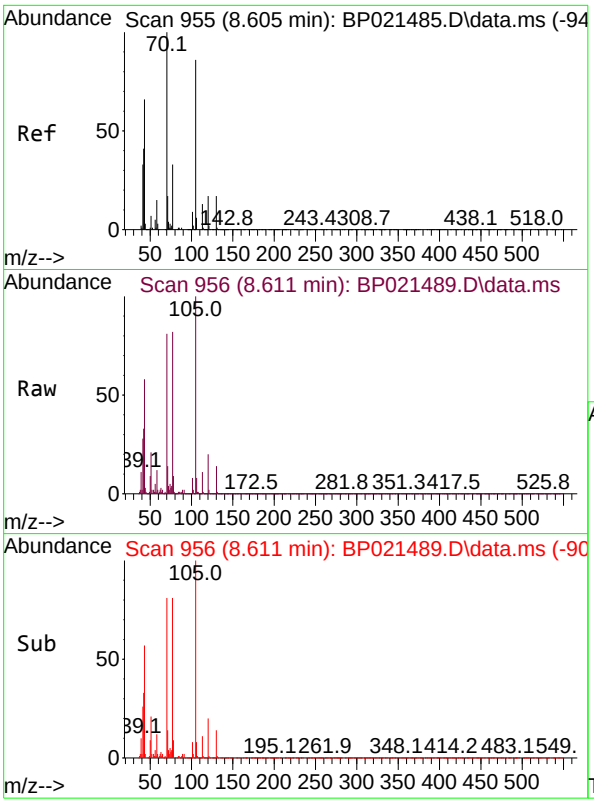


#18
Hexachloroethane
Concen: 40.755 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:117 Resp: 540967

Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.9	110.9
201	91.9	74.9	112.3

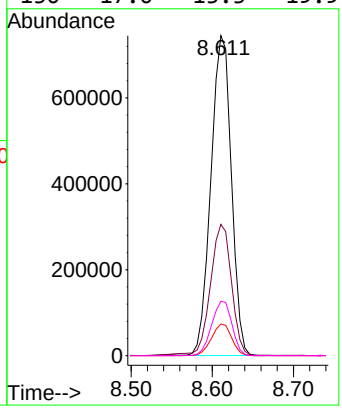




#19
n-Nitroso-di-n-propylamine
Concen: 43.304 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 70 Resp: 130312

Ion	Ratio	Lower	Upper
70	100		
42	41.1	33.1	49.7
101	9.9	7.4	11.2
130	17.0	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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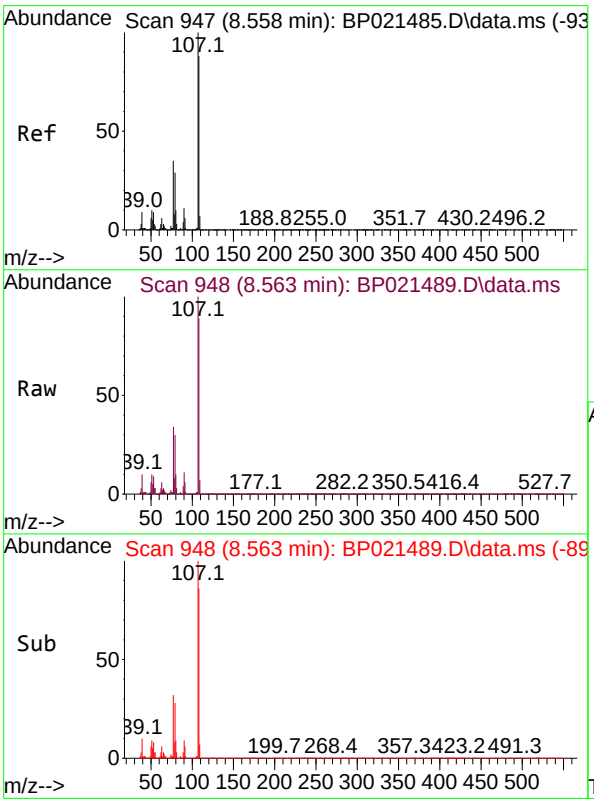
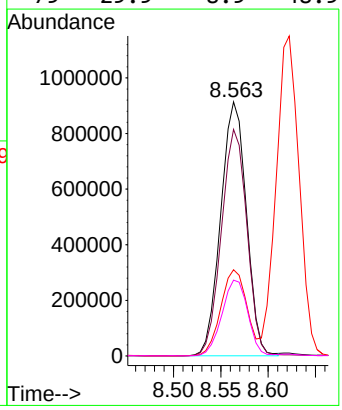
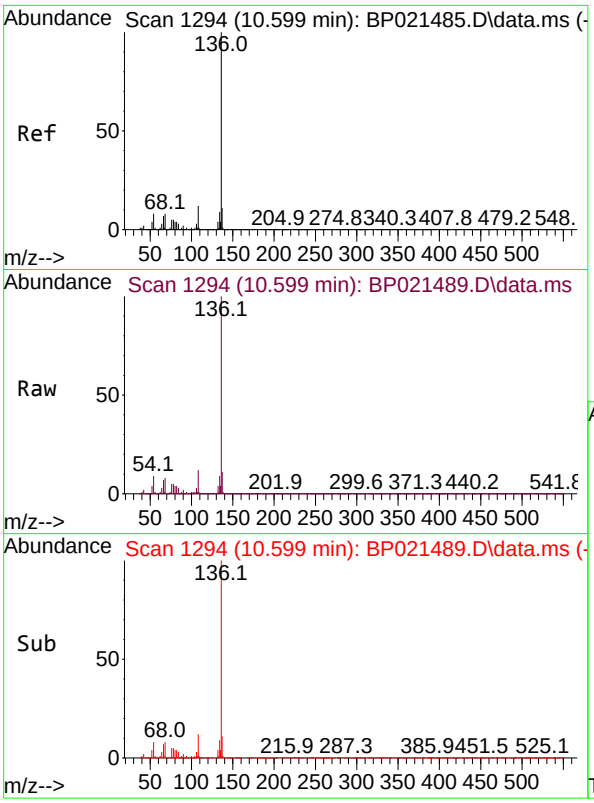


#20
3+4-Methylphenols
Concen: 44.850 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1724643

Ion	Ratio	Lower	Upper
107	100		
108	89.2	67.6	107.6
77	34.0	15.0	55.0
79	29.9	8.9	48.9

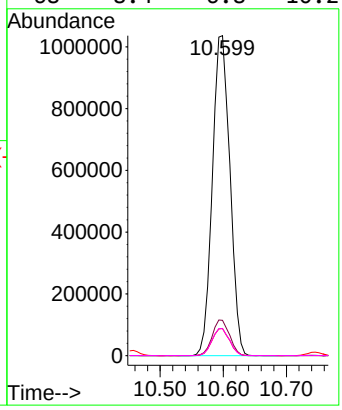




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:136 Resp: 200040

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	6.3	9.5
68	8.4	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
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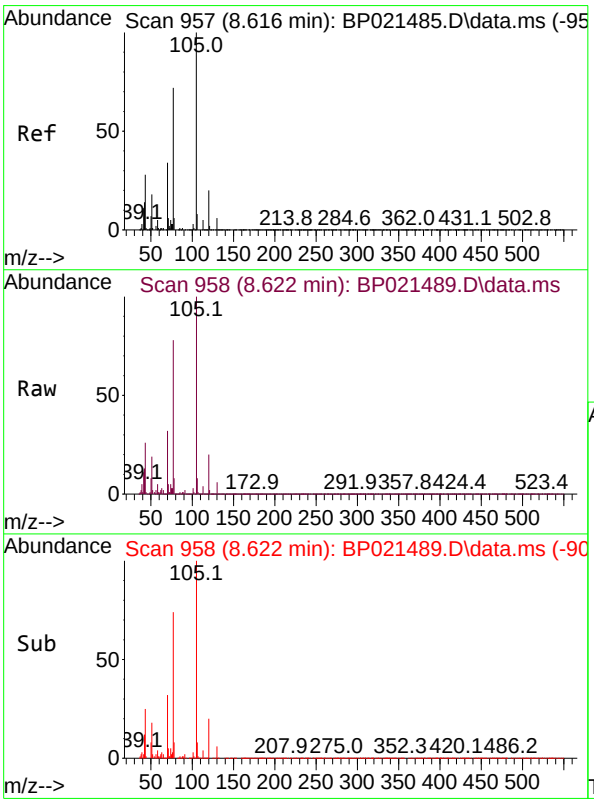
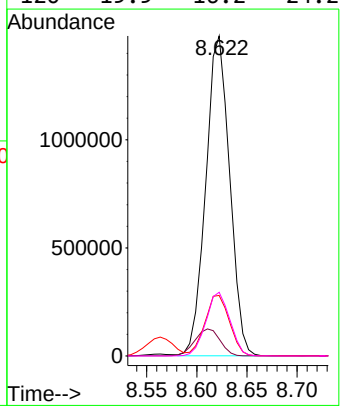
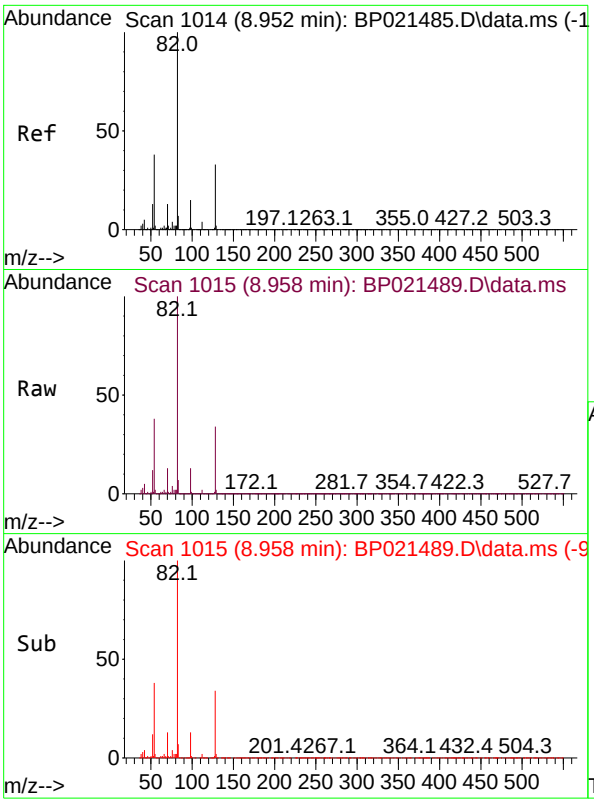


#22
Acetophenone
Concen: 39.936 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:105 Resp: 2454249

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.6	7.0
51	18.9	16.3	24.5
120	19.9	16.2	24.2

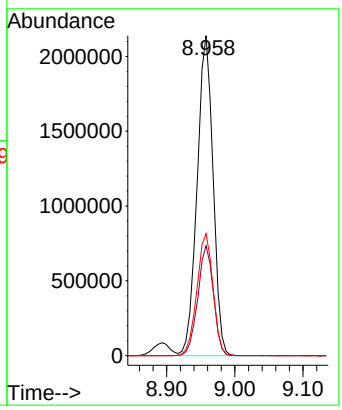




#23
Nitrobenzene-d5
Concen: 89.361 ng
RT: 8.958 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 346332(

Ion	Ratio	Lower	Upper
82	100		
128	34.4	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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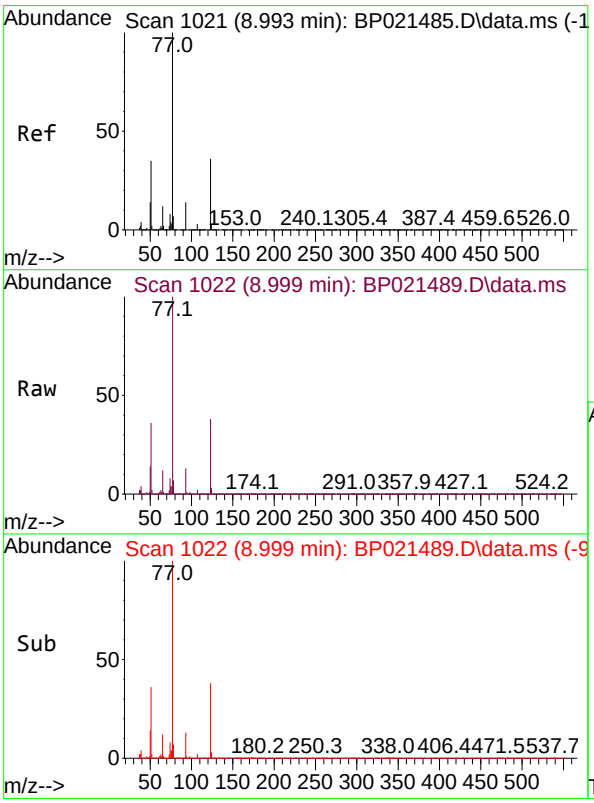
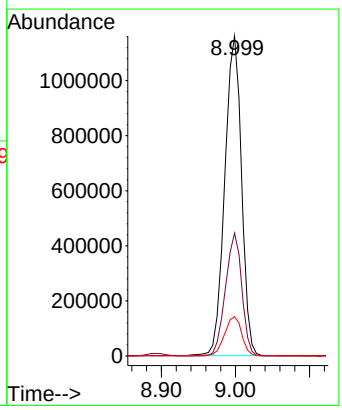
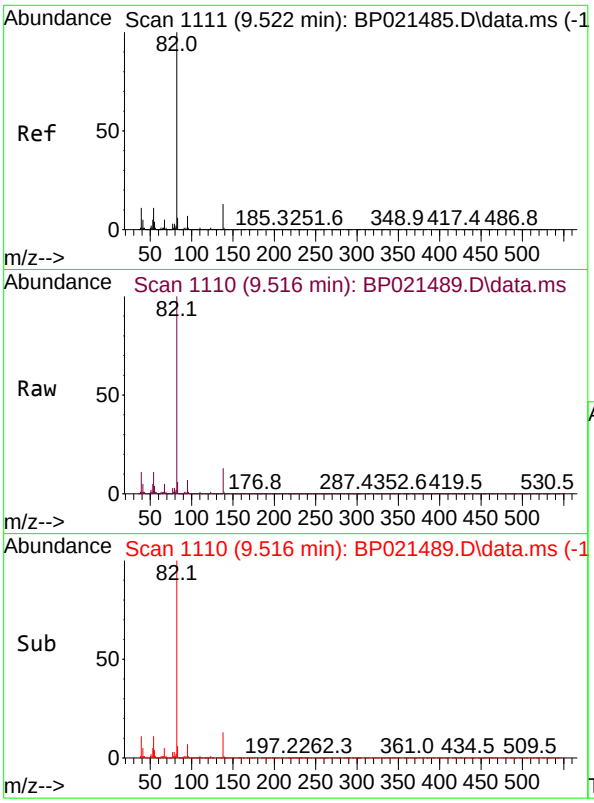


#24
Nitrobenzene
Concen: 43.244 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 1820293

Ion	Ratio	Lower	Upper
77	100		
123	38.4	29.5	44.3
65	12.3	9.9	14.9

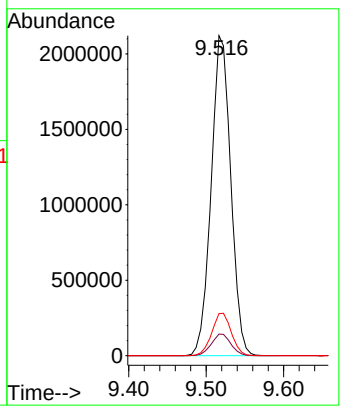




#25
Isophorone
Concen: 40.700 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 372649

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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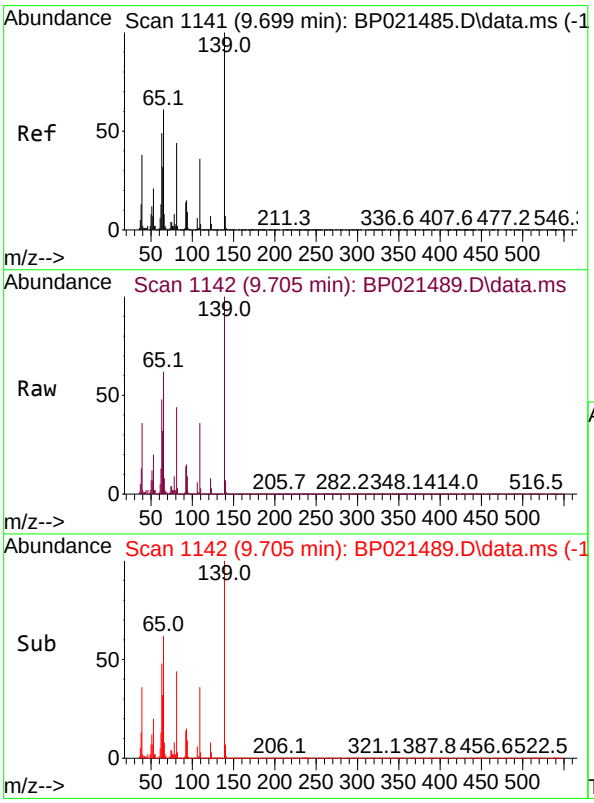
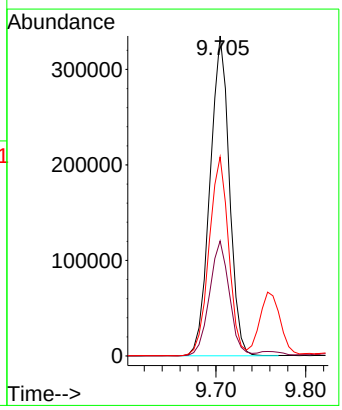
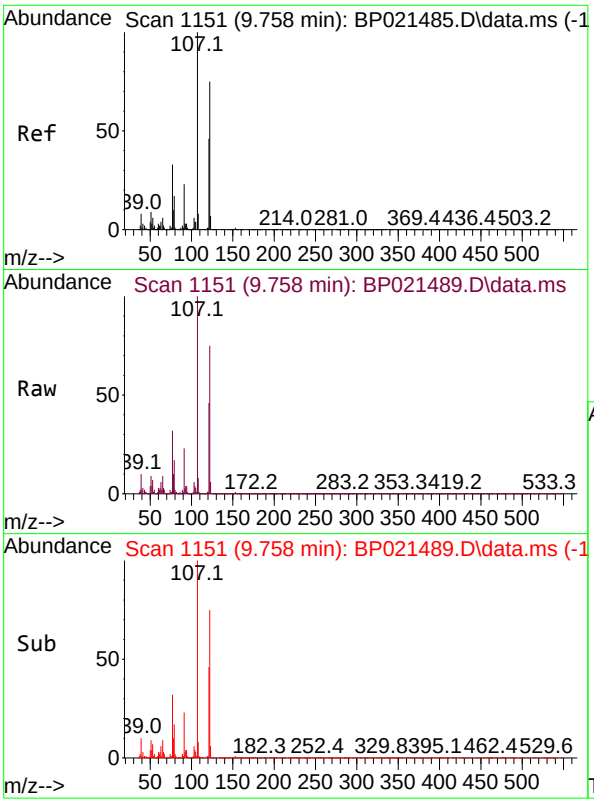


#26
2-Nitrophenol
Concen: 47.780 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 501343

Ion	Ratio	Lower	Upper
139	100		
109	35.9	28.9	43.3
65	62.2	49.0	73.6

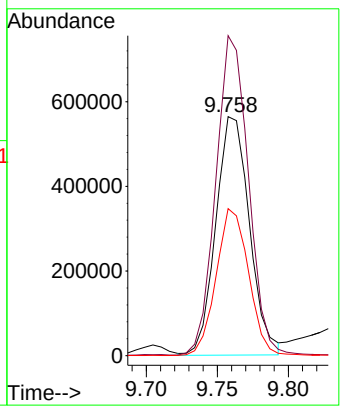




#27
2,4-Dimethylphenol
Concen: 41.179 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 93047

Ion	Ratio	Lower	Upper
122	100		
107	133.8	106.2	159.4
121	61.5	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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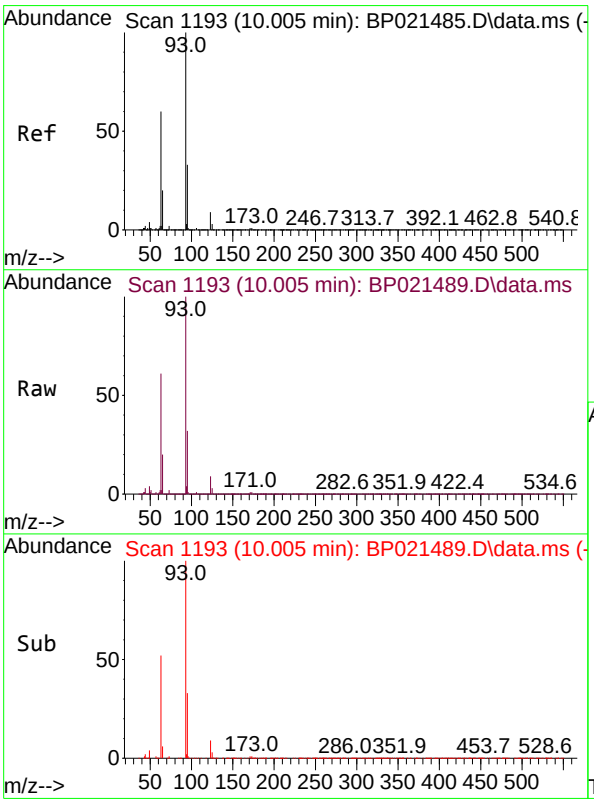
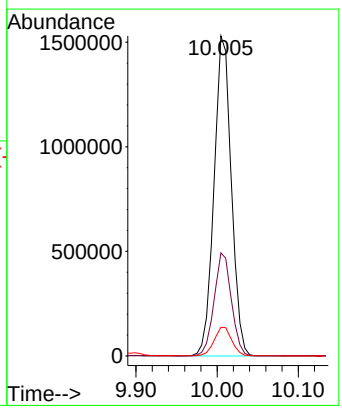
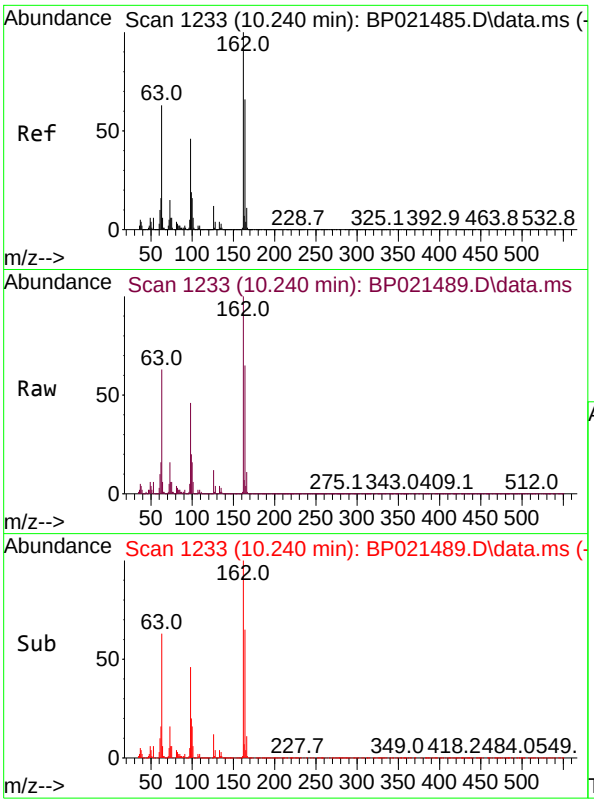


#28
bis(2-Chloroethoxy)methane
Concen: 40.438 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 2260063

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	8.9	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 43.442 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 115980

Ion	Ratio	Lower	Upper
162	100		
164	65.1	45.9	85.9
98	46.3	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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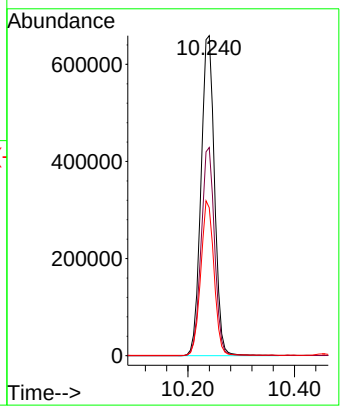
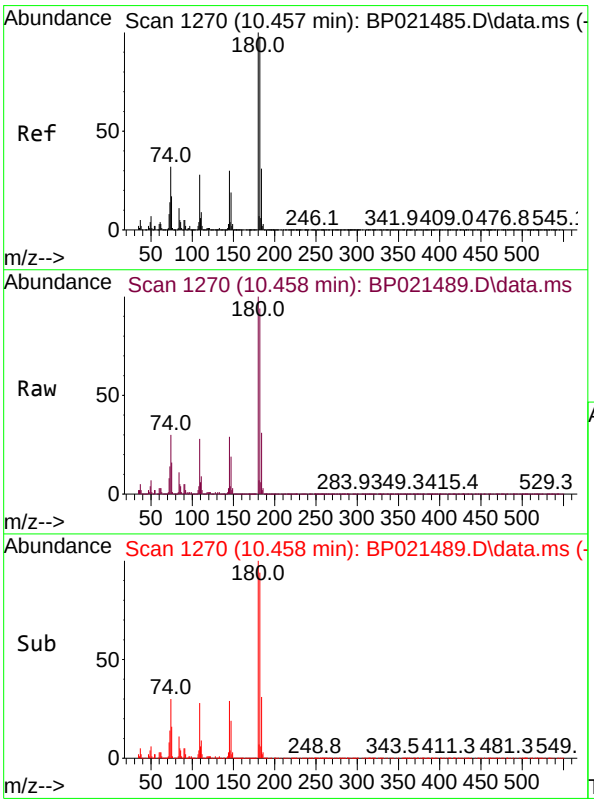
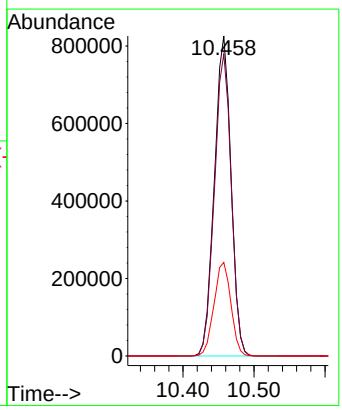


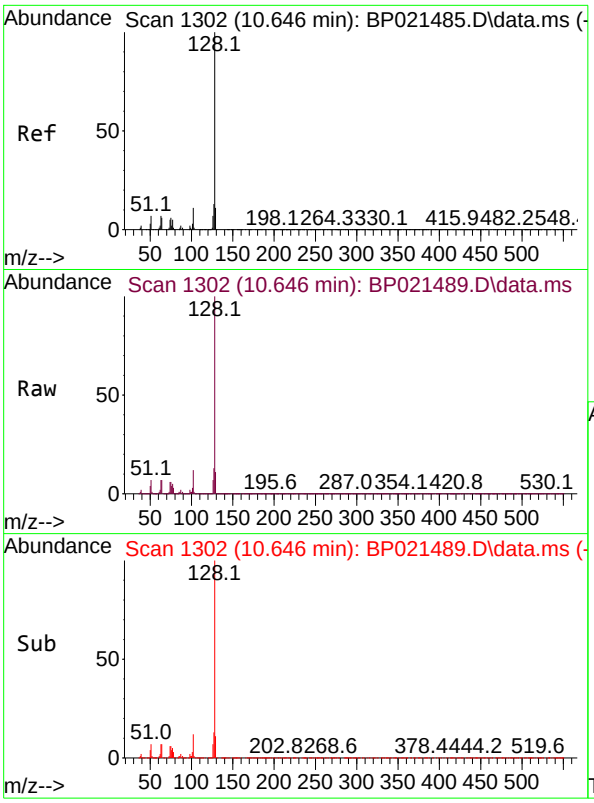


#30
1,2,4-Trichlorobenzene
Concen: 39.146 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:180 Resp: 1339874

Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.3	117.5
145	29.3	24.0	36.0

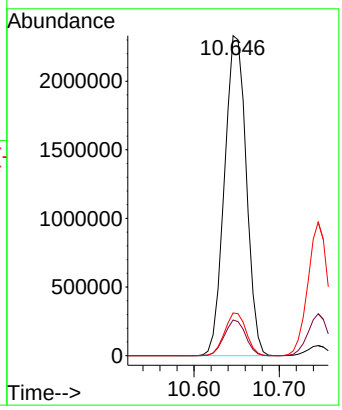




#31
Naphthalene
Concen: 39.629 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 414129

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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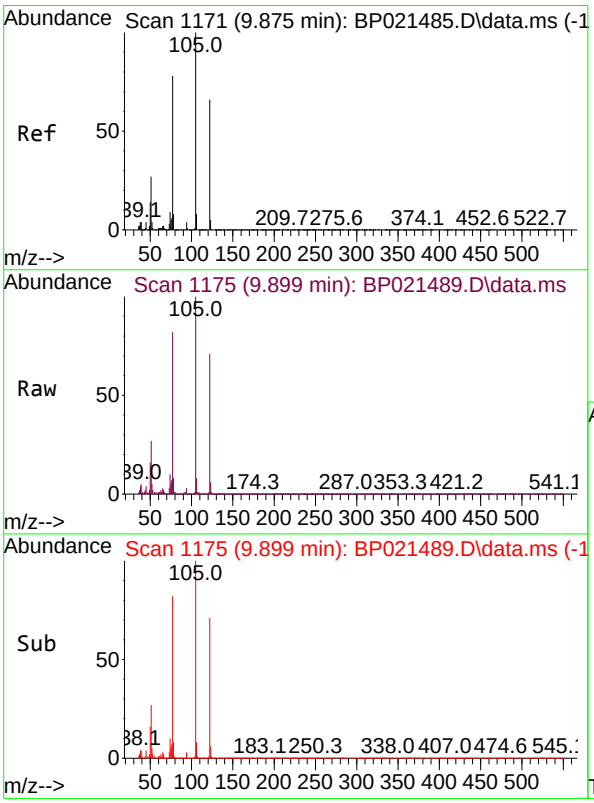
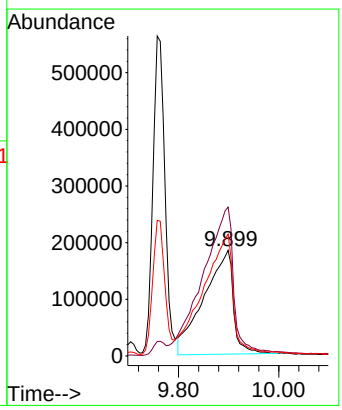
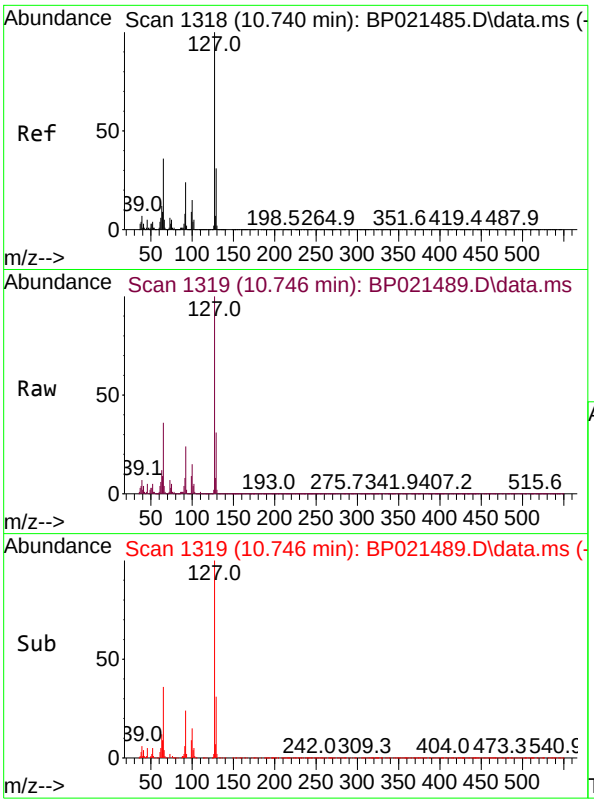


#32
Benzoic acid
Concen: 49.839 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 747114

Ion	Ratio	Lower	Upper
122	100		
105	141.1	124.6	164.6
77	115.3	96.2	136.2

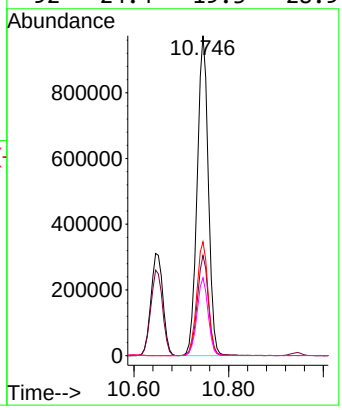




#33
4-Chloroaniline
Concen: 40.617 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:127 Resp: 159438

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.6	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
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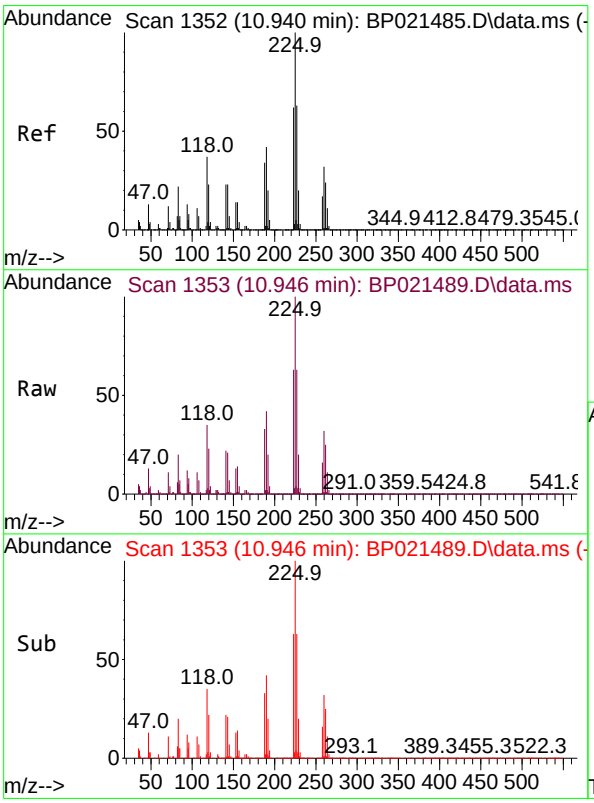
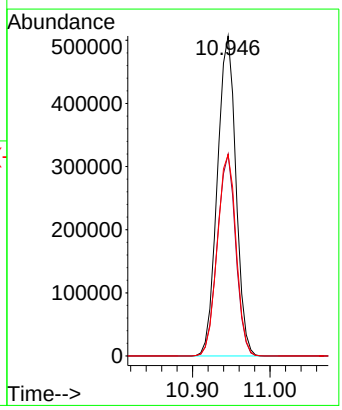
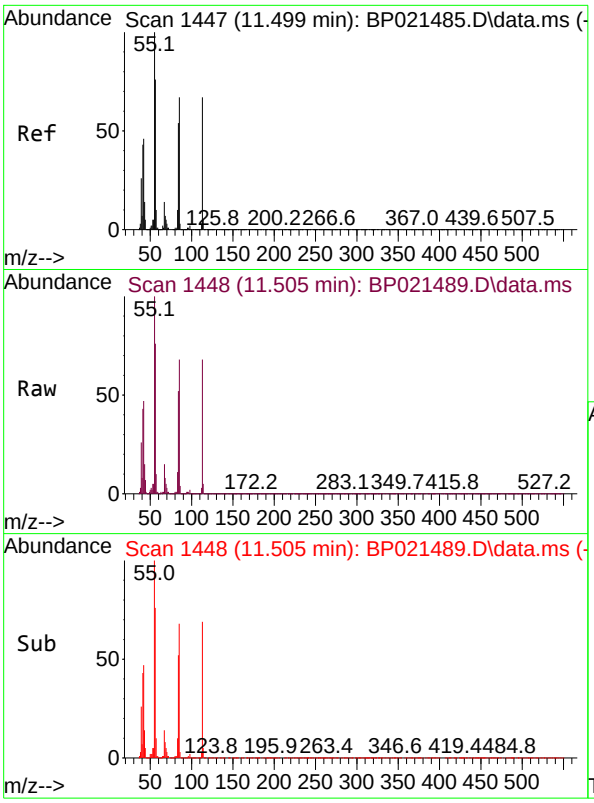


#34
Hexachlorobutadiene
Concen: 39.102 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:225 Resp: 842702

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	62.9	50.1	75.1





#35
Caprolactam
Concen: 41.786 ng
RT: 11.505 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:113 Resp: 46434

Ion	Ratio	Lower	Upper
113	100		
55	146.0	130.6	170.6
56	111.3	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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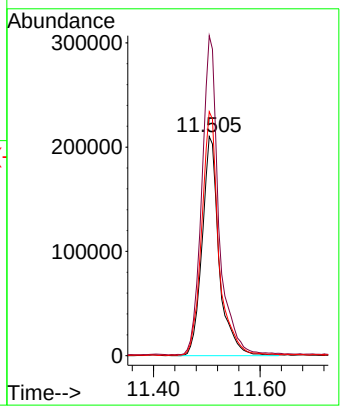
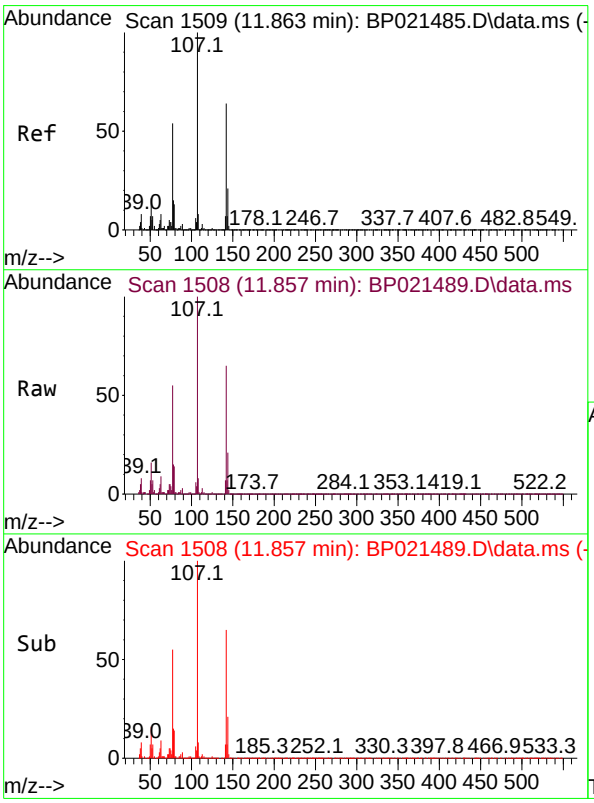
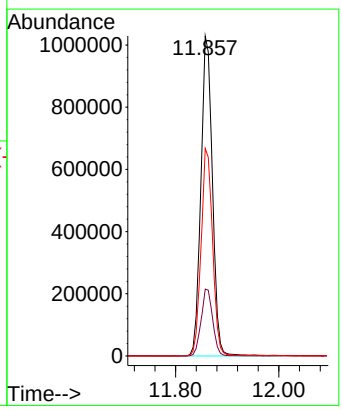


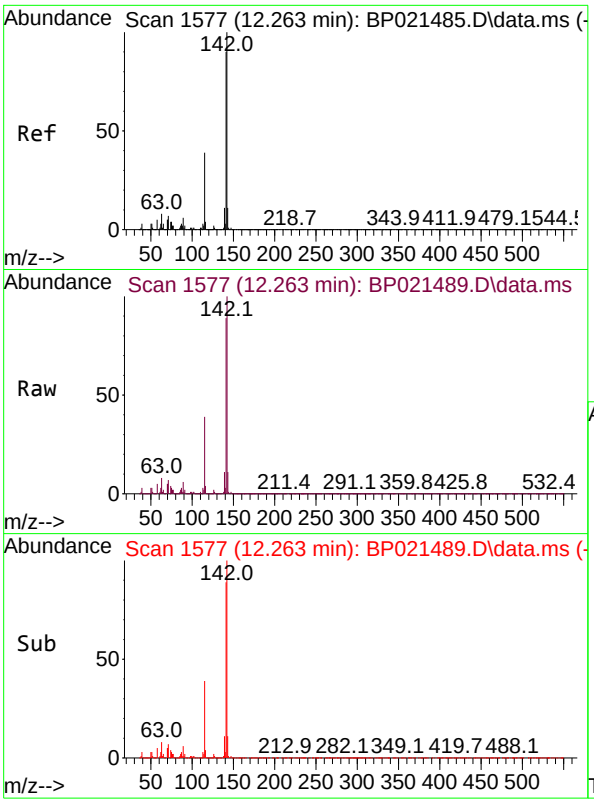


#36
4-Chloro-3-methylphenol
Concen: 42.987 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1591956

Ion	Ratio	Lower	Upper
107	100		
144	20.9	16.6	24.8
142	64.9	51.0	76.4

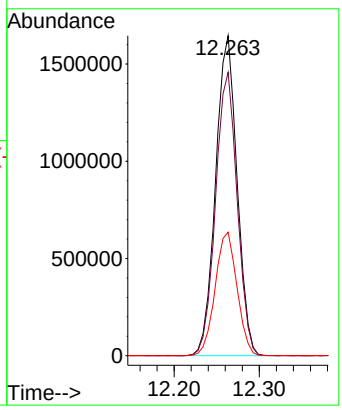




#37
2-Methylnaphthalene
Concen: 40.412 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 288223

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	38.6	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
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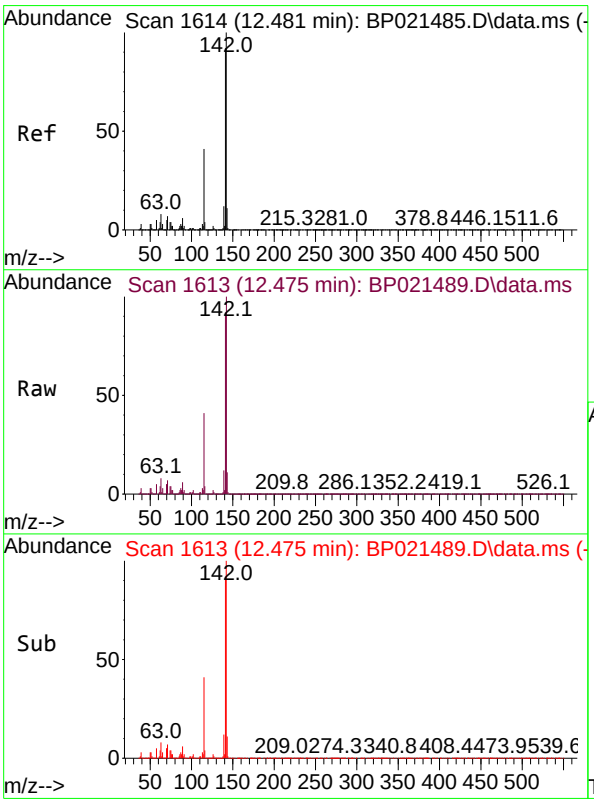
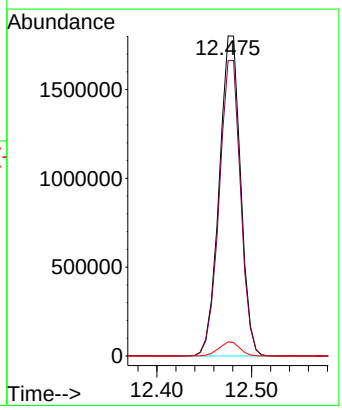
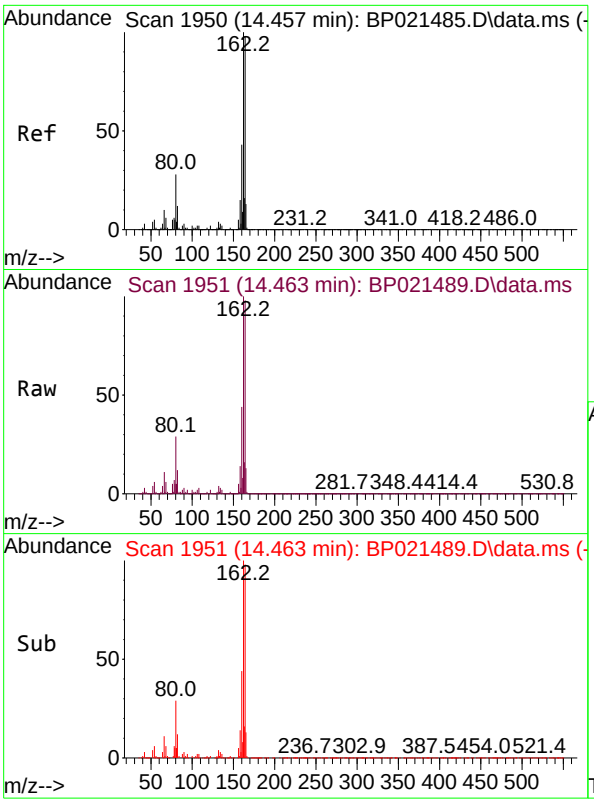


#38
1-Methylnaphthalene
Concen: 40.173 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 2825877

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.5	110.3
116	4.4	3.4	5.2

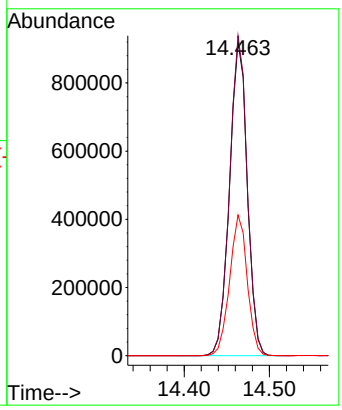




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:164 Resp: 133424

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.5	122.3
160	44.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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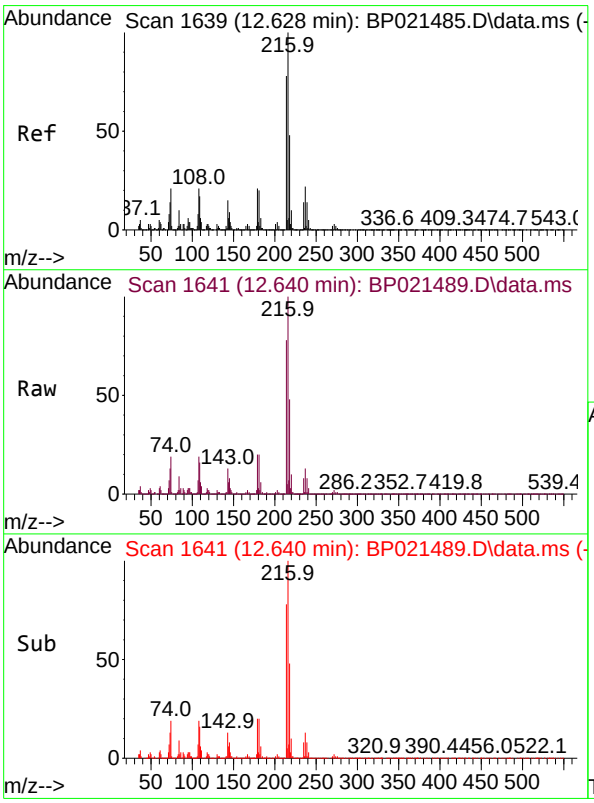
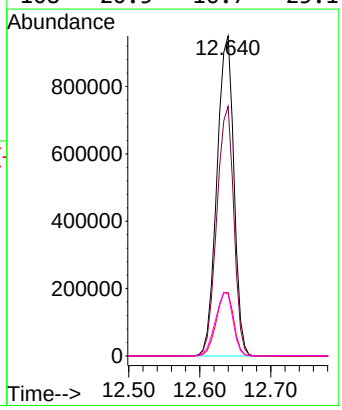
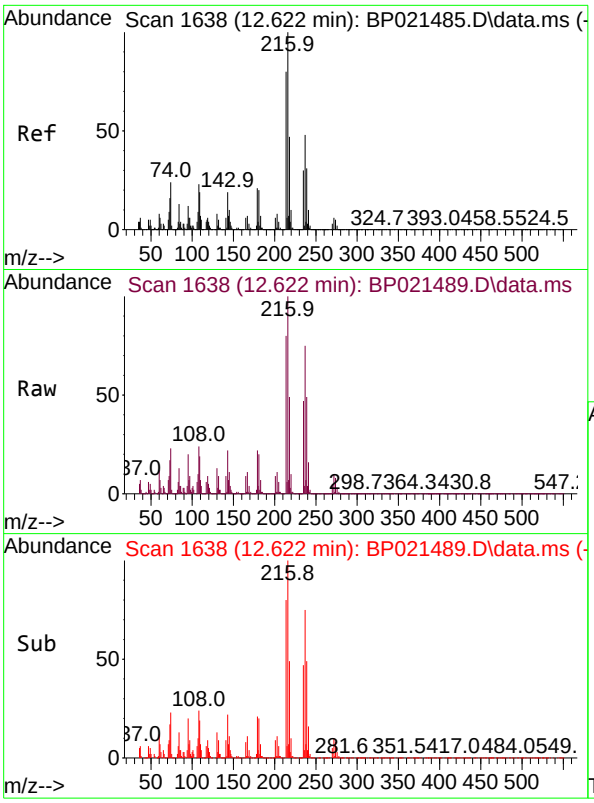


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.261 ng
RT: 12.640 min Scan# 1641
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:216 Resp: 1573947

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1

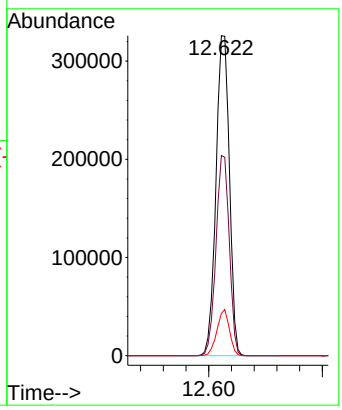




#41
Hexachlorocyclopentadiene
Concen: 43.183 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:237 Resp: 53505

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.9	83.9
272	13.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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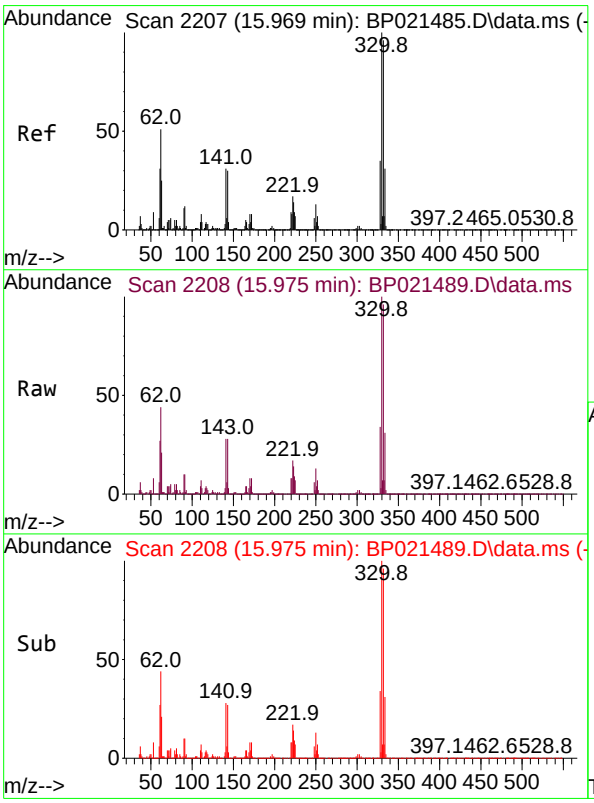
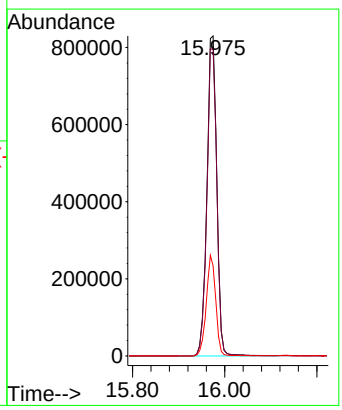
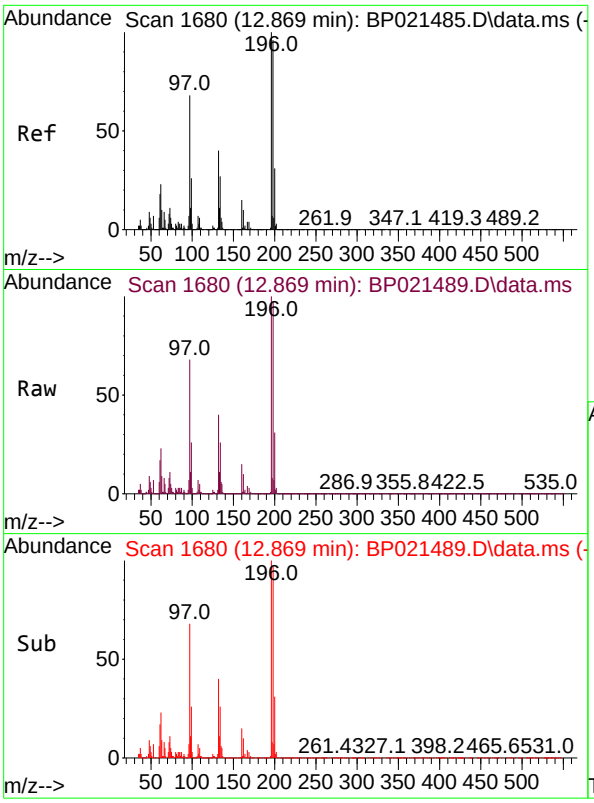


#42
2,4,6-Tribromophenol
Concen: 83.477 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:330 Resp: 1239599

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	30.2	24.5	36.7

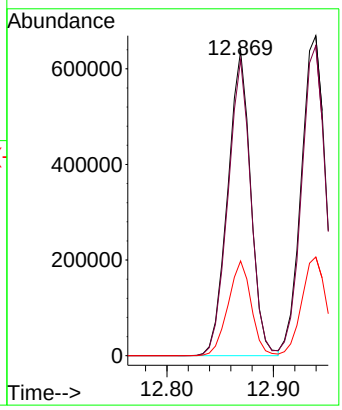




#43
2,4,6-Trichlorophenol
Concen: 44.249 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 96091

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	114.8
200	31.1	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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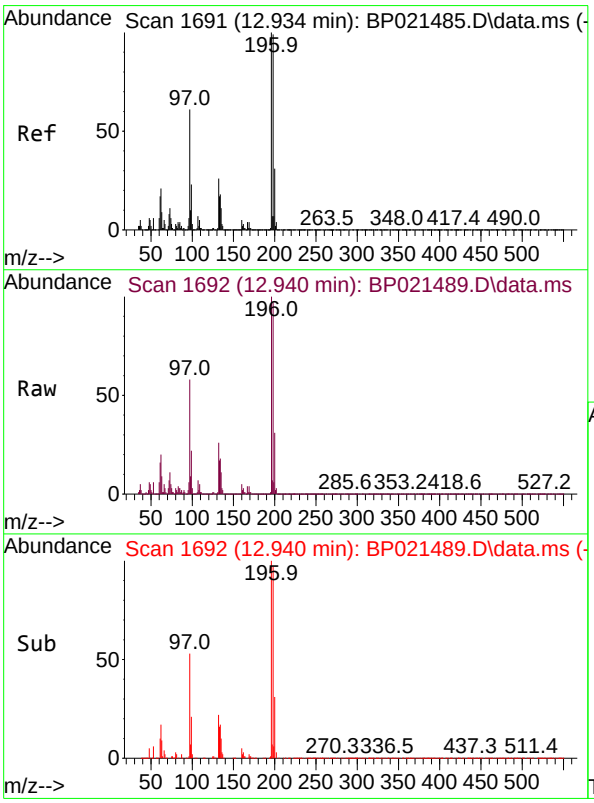
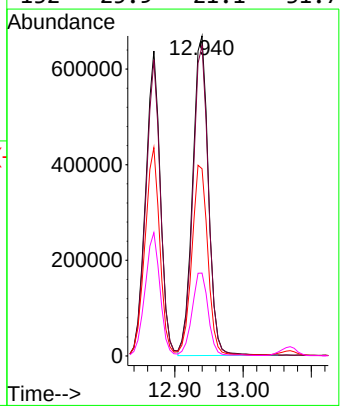
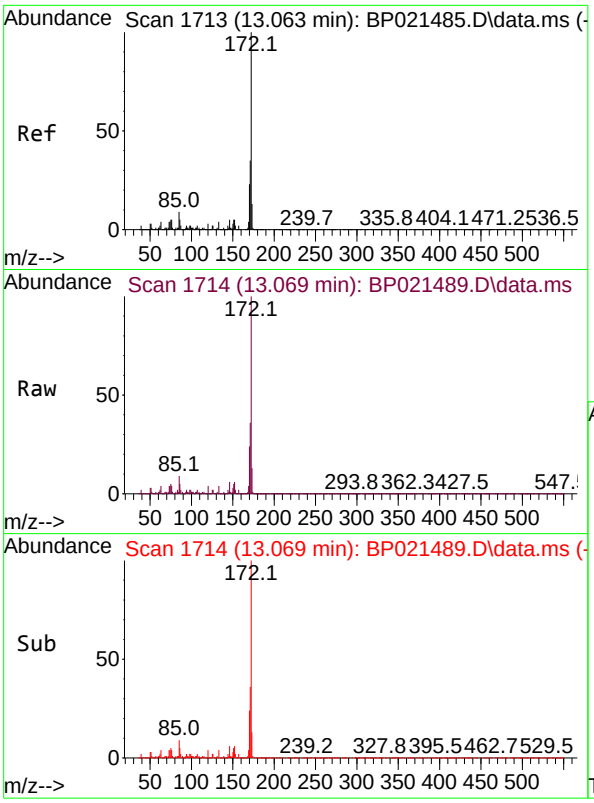


#44
2,4,5-Trichlorophenol
Concen: 44.396 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 1071161

Ion	Ratio	Lower	Upper
196	100		
198	96.9	78.9	118.3
97	58.5	49.4	74.0
132	25.9	21.1	31.7

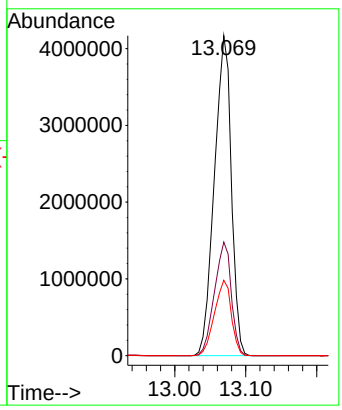




#45
2-Fluorobiphenyl
Concen: 78.649 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:172 Resp: 687586

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.6	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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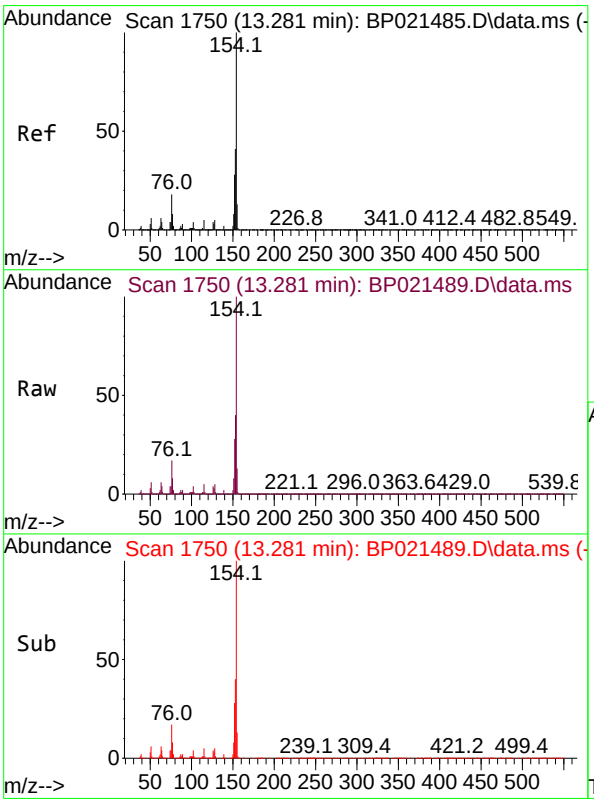
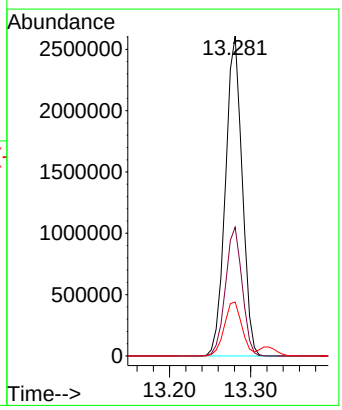
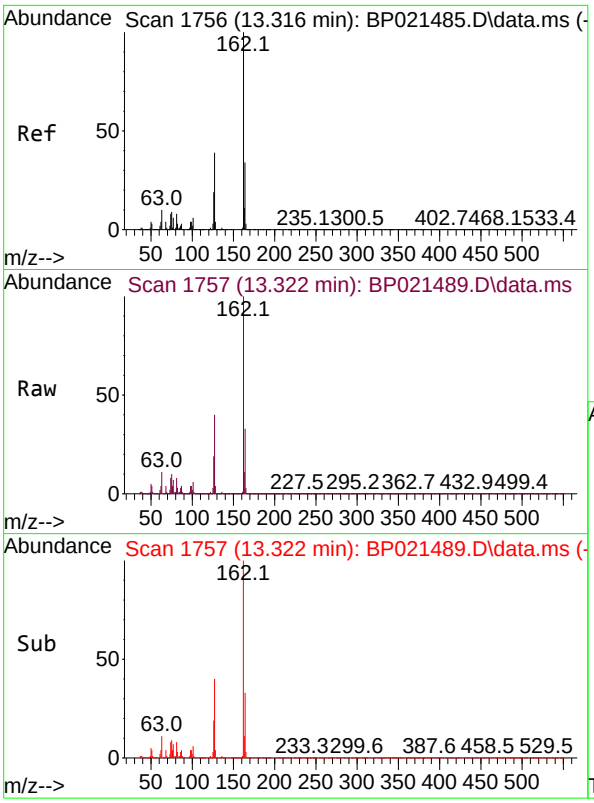


#46
1,1'-Biphenyl
Concen: 39.542 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 3732699

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	16.9	0.0	37.7

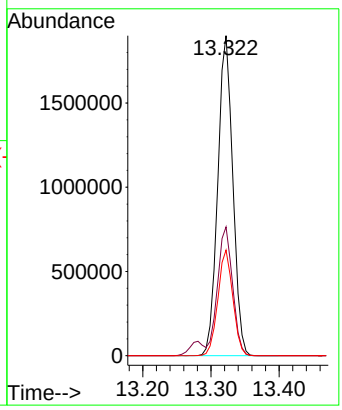




#47
2-Chloronaphthalene
Concen: 39.695 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 291730

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	33.0	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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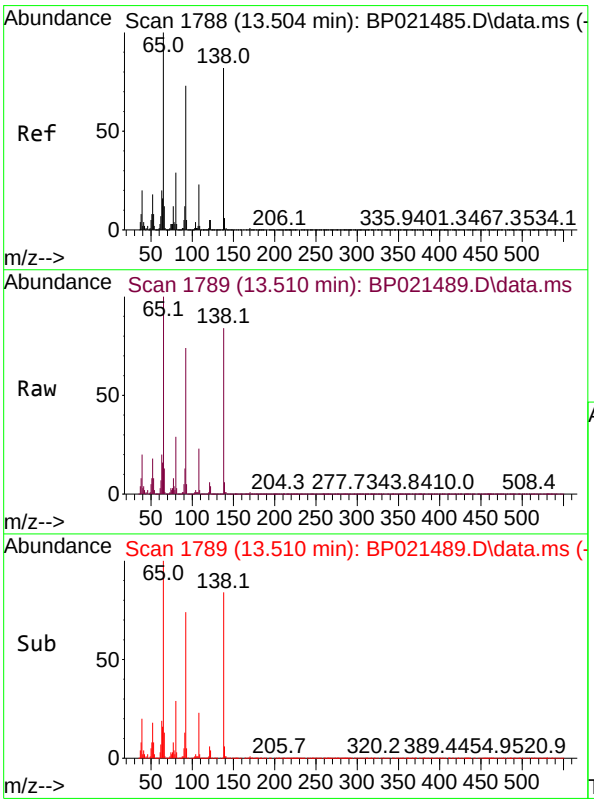
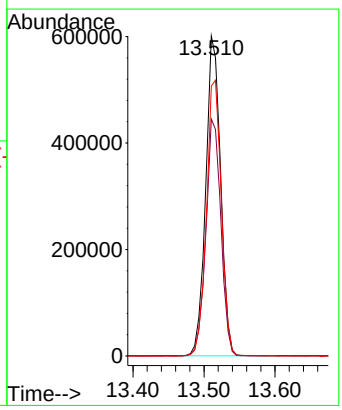
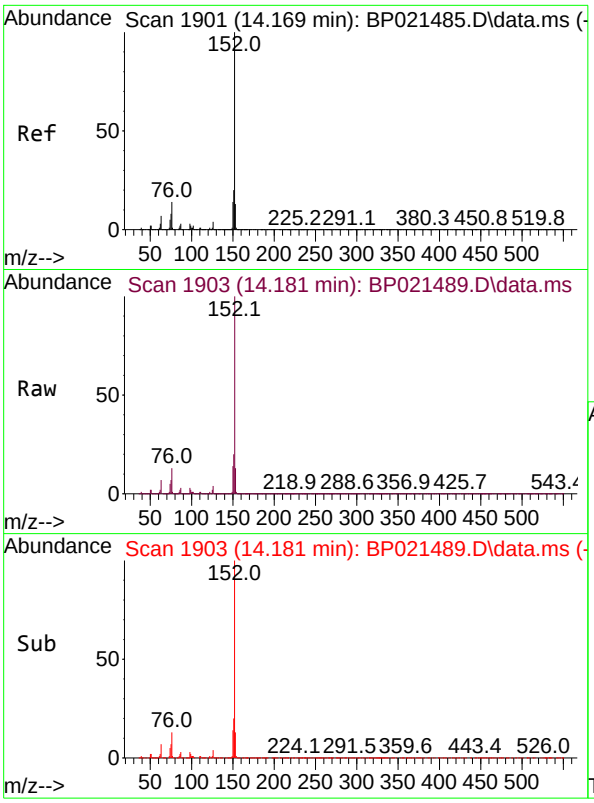


#48
2-Nitroaniline
Concen: 43.044 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 65 Resp: 874355

Ion	Ratio	Lower	Upper
65	100		
92	74.0	58.1	87.1
138	84.4	65.5	98.3





#49
Acenaphthylene
Concen: 39.531 ng
RT: 14.181 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Tgt Ion:152 Resp: 427089

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	16.0

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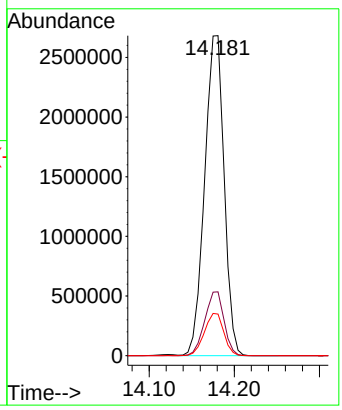
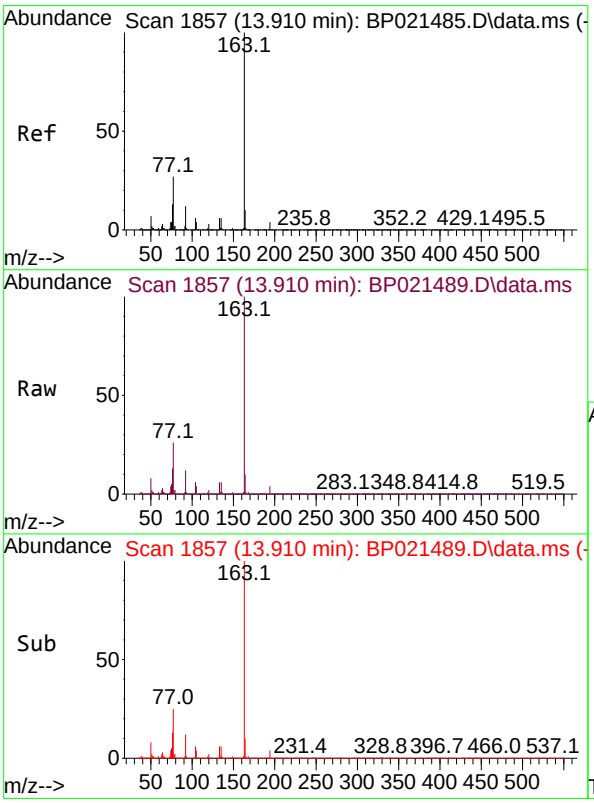
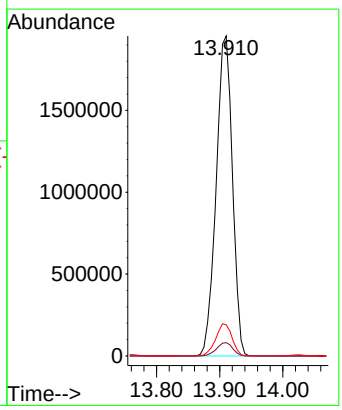


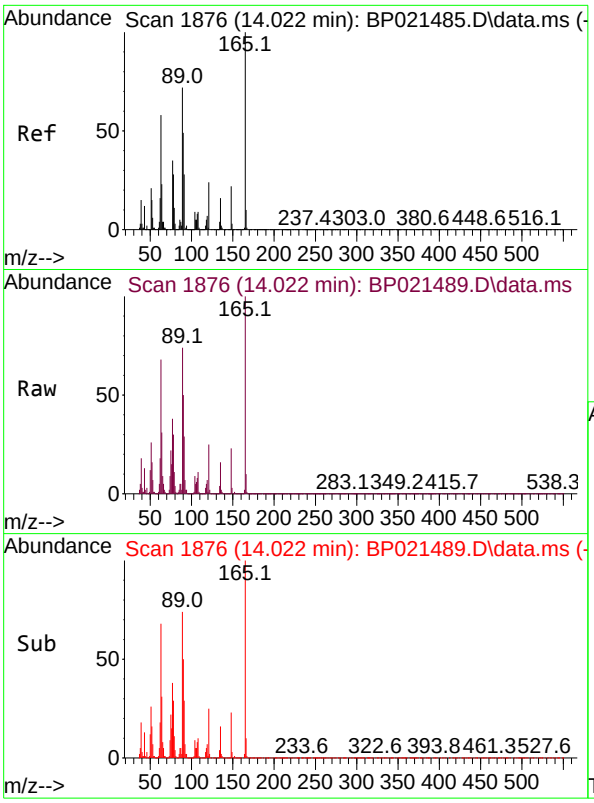


#50
Dimethylphthalate
Concen: 39.127 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:163 Resp: 3496130

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 41.424 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:165 Resp: 73599

Ion	Ratio	Lower	Upper
165	100		
63	67.6	51.5	77.3
89	74.0	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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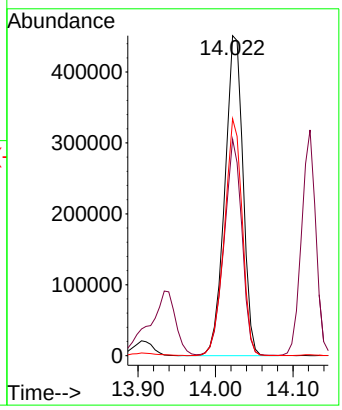
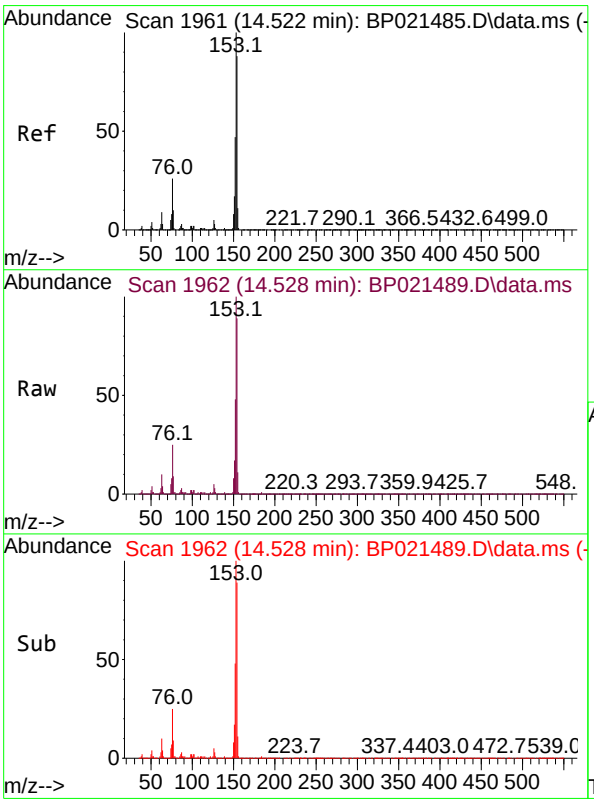
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

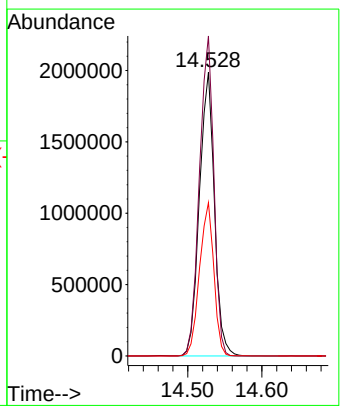


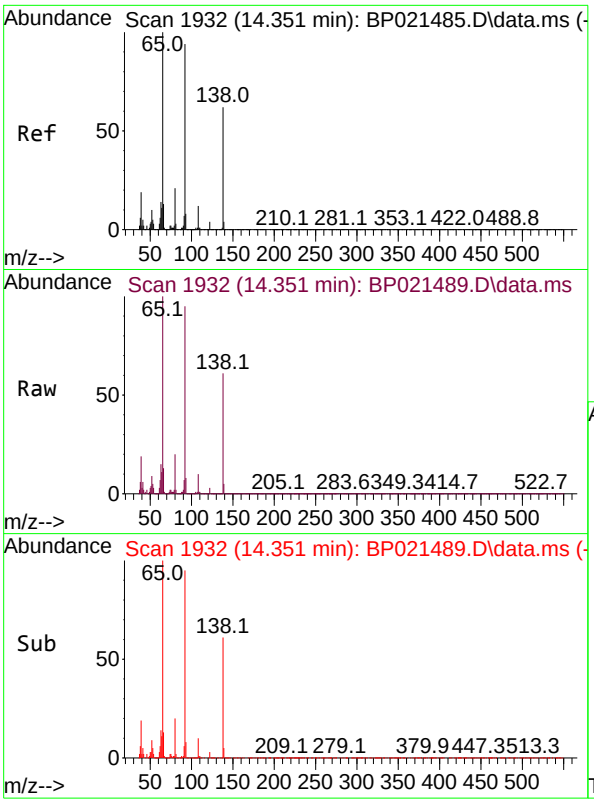


#52
Acenaphthene
Concen: 39.366 ng
RT: 14.528 min Scan# 1962
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 2790584

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 40.483 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:138 Resp: 70542

Ion	Ratio	Lower	Upper
138	100		
108	16.7	16.2	24.4
92	155.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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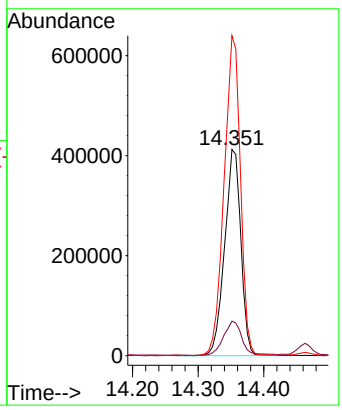
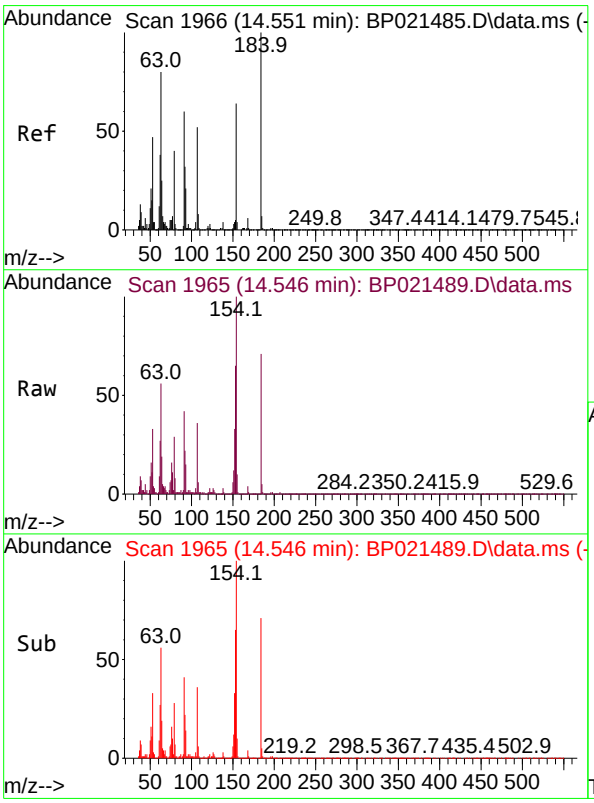
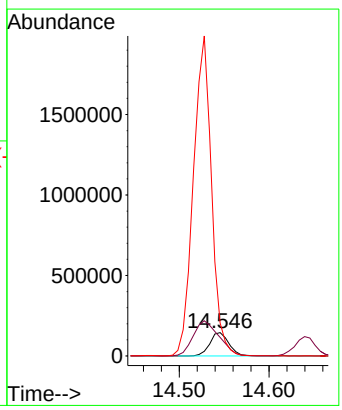


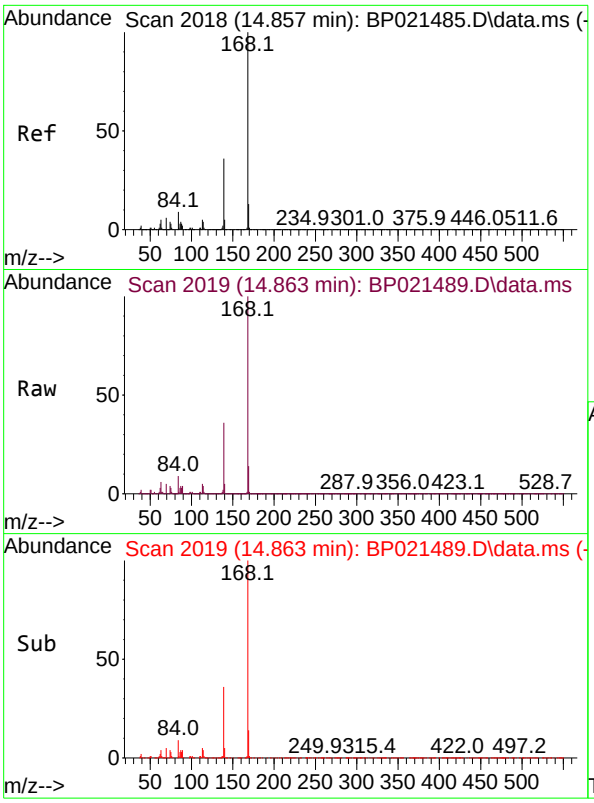


#54
2,4-Dinitrophenol
Concen: 45.065 ng
RT: 14.546 min Scan# 1965
Delta R.T. -0.005 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 215120

Ion	Ratio	Lower	Upper
184	100		
63	79.1	64.9	97.3
154	140.5	52.1	78.1#

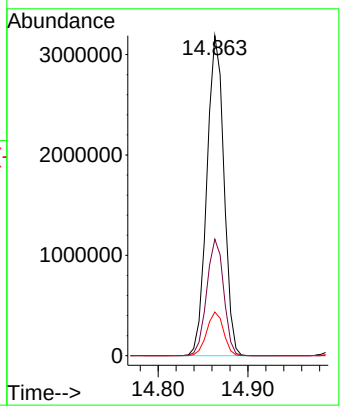




#55
Dibenzofuran
Concen: 38.543 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:168 Resp: 420299

Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.6	43.0
169	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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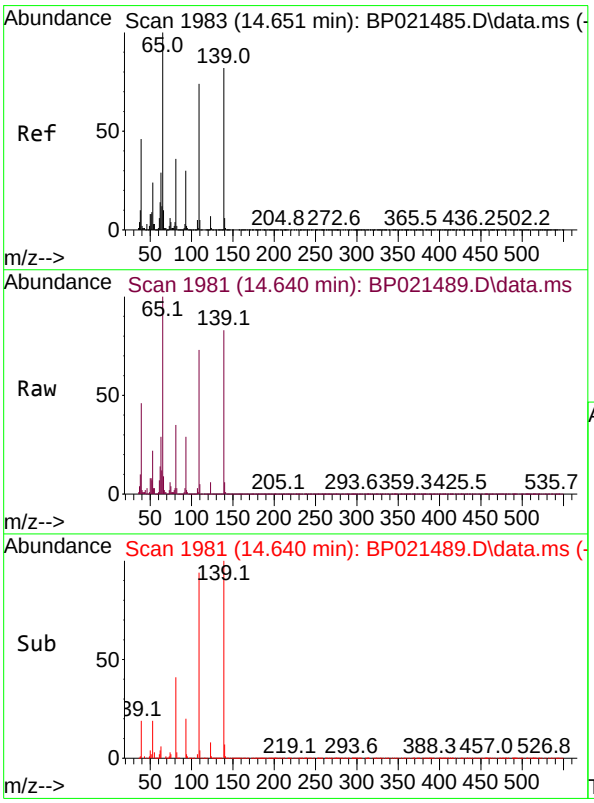
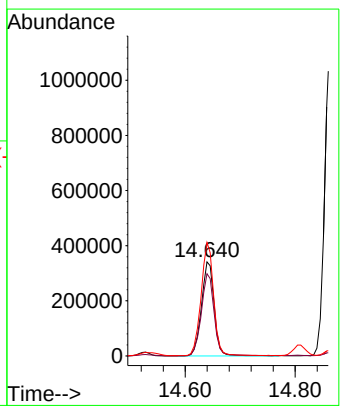
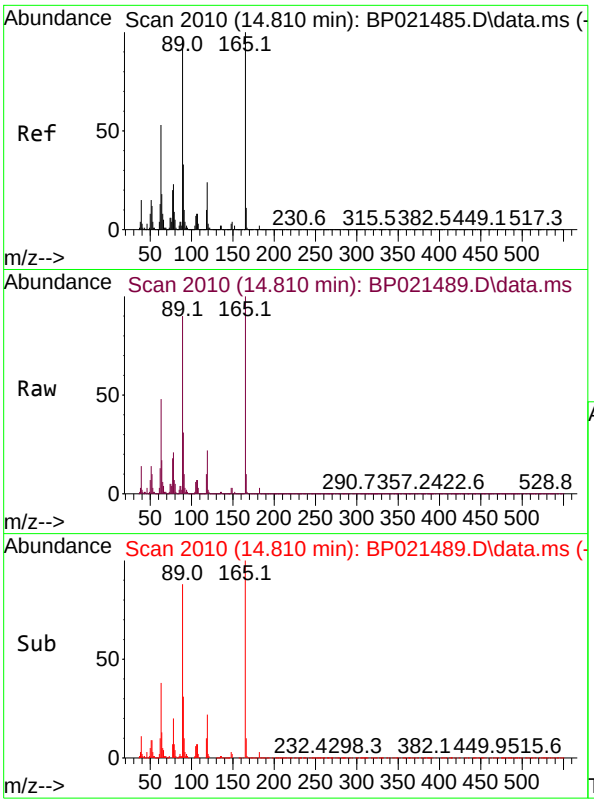


#56
4-Nitrophenol
Concen: 39.582 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 545969

Ion	Ratio	Lower	Upper
139	100		
109	87.4	70.2	110.2
65	120.5	101.8	141.8

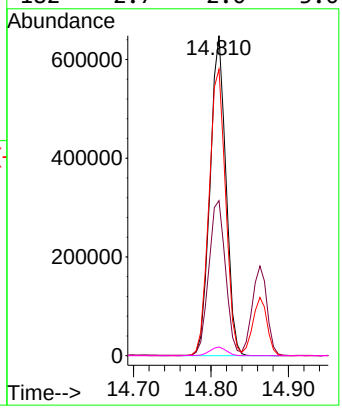




#57
2,4-Dinitrotoluene
Concen: 40.864 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:165 Resp: 91779

Ion	Ratio	Lower	Upper
165	100		
63	48.5	42.5	63.7
89	89.5	77.1	115.7
182	2.7	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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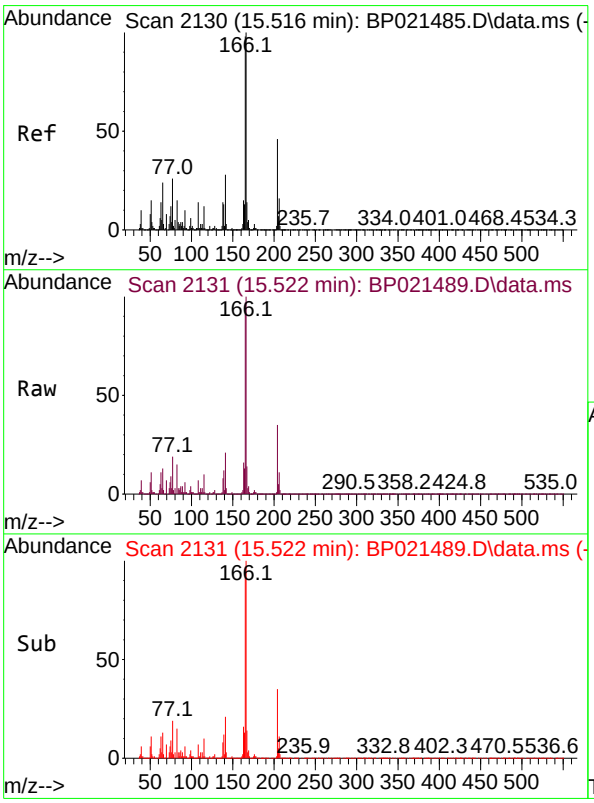
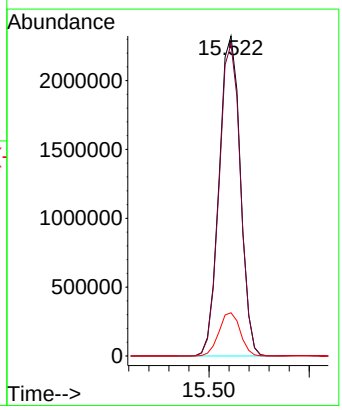
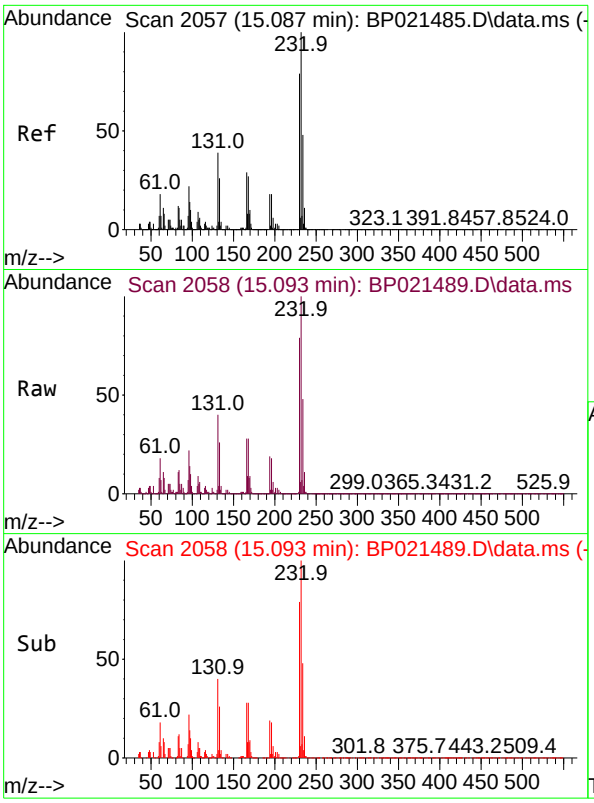


#58
Fluorene
Concen: 38.055 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:166 Resp: 3409197

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.5	11.0	16.4

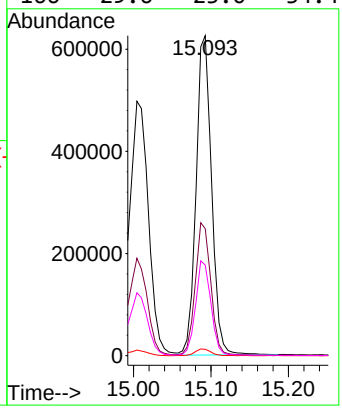




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.310 ng
RT: 15.093 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:232 Resp: 86645

Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.1	49.7
130	2.2	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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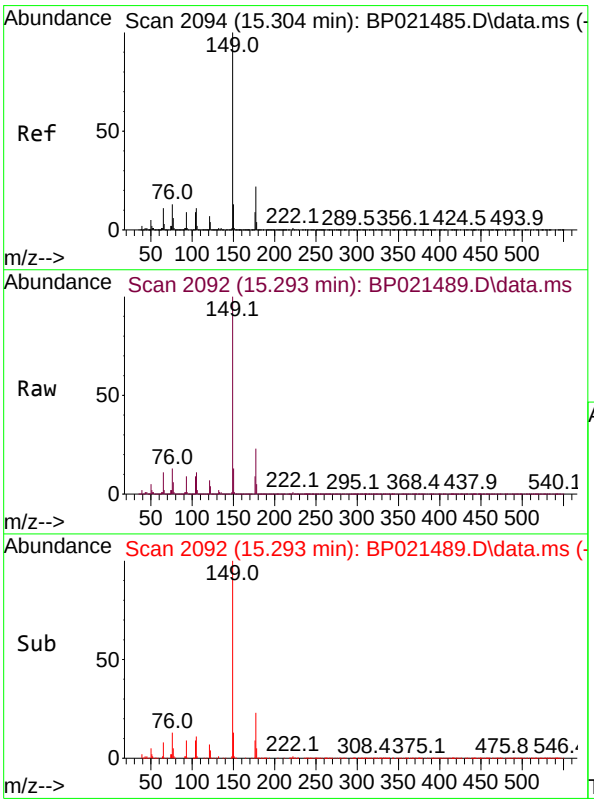
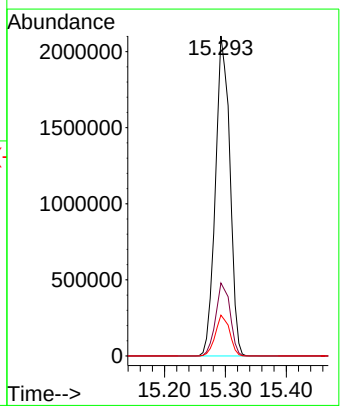
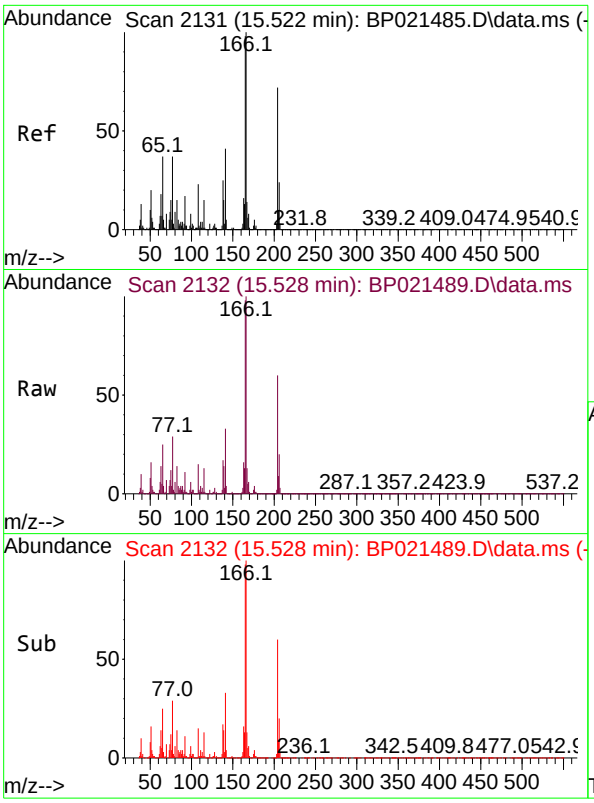


#60
Diethylphthalate
Concen: 37.752 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3461071

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1

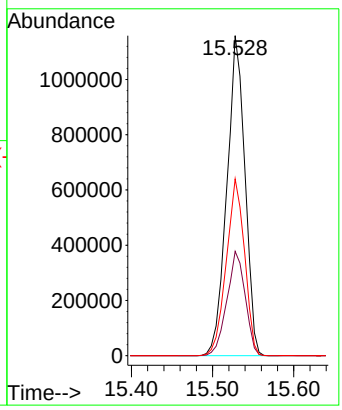




#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:204 Resp: 179566

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	55.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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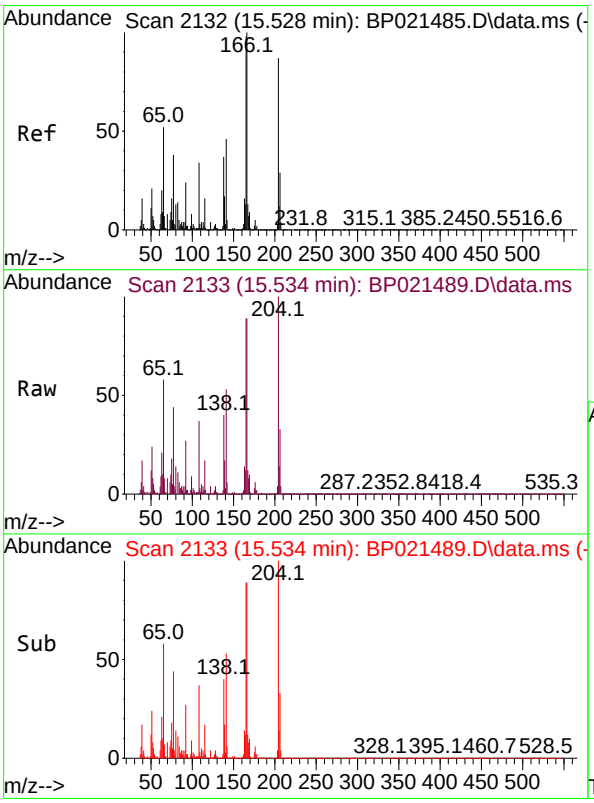
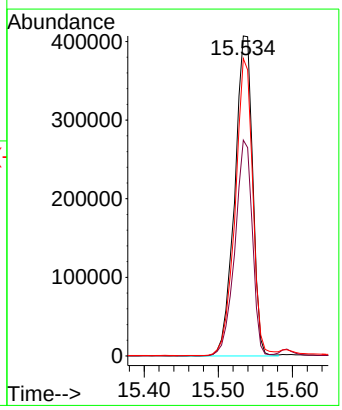
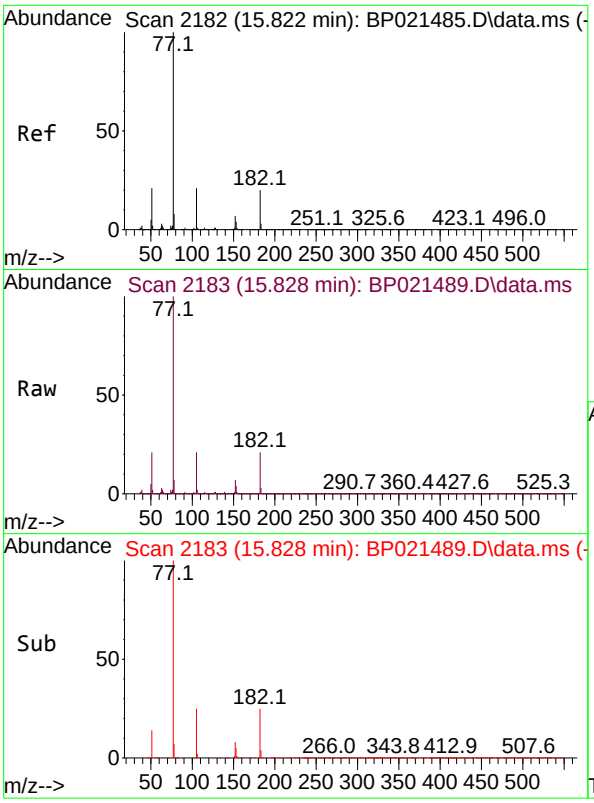


#62
4-Nitroaniline
Concen: 38.254 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:138 Resp: 685273

Ion	Ratio	Lower	Upper
138	100		
92	67.4	46.4	86.4
108	93.0	73.2	113.2

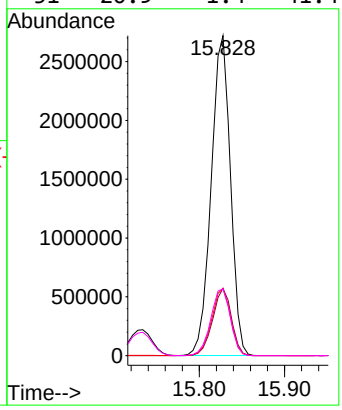




#63
Azobenzene
Concen: 37.833 ng
RT: 15.828 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 426359

Ion	Ratio	Lower	Upper
77	100		
182	21.0	0.0	39.9
105	21.0	0.9	40.9
51	20.9	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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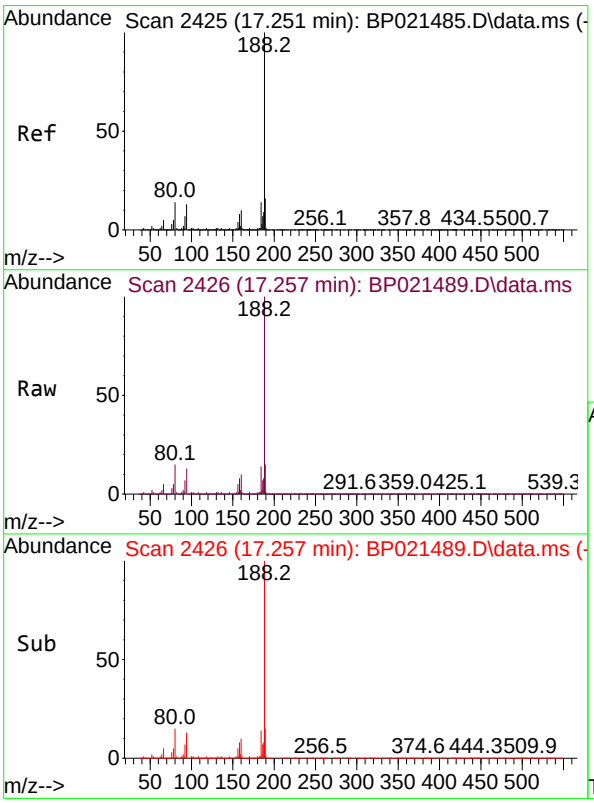
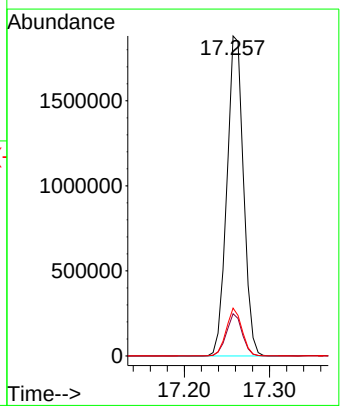
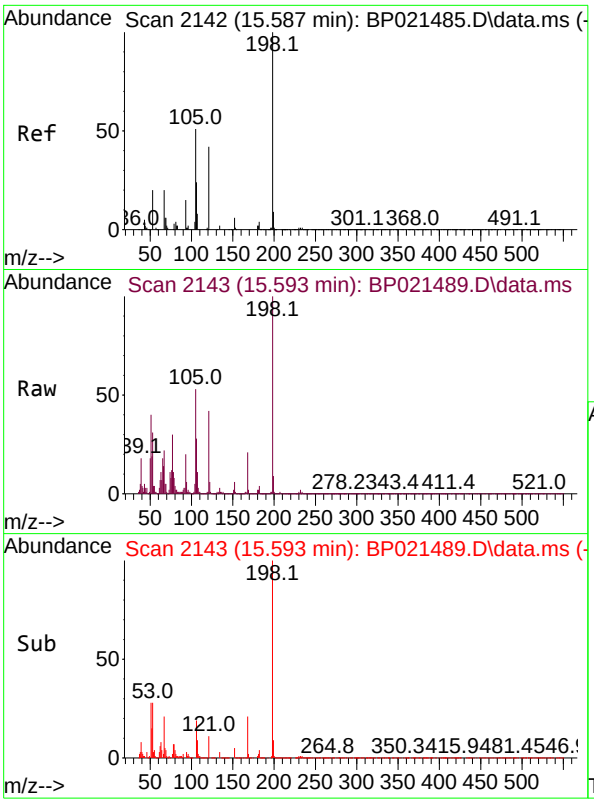


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:188 Resp: 2538103

Ion	Ratio	Lower	Upper
188	100		
94	13.2	10.2	15.4
80	15.0	11.6	17.4

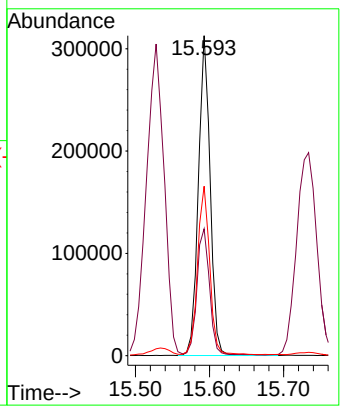




#65
4,6-Dinitro-2-methylphenol
Concen: 46.281 ng
RT: 15.593 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:198 Resp: 34350

Ion	Ratio	Lower	Upper
198	100		
51	39.6	21.5	61.5
105	53.0	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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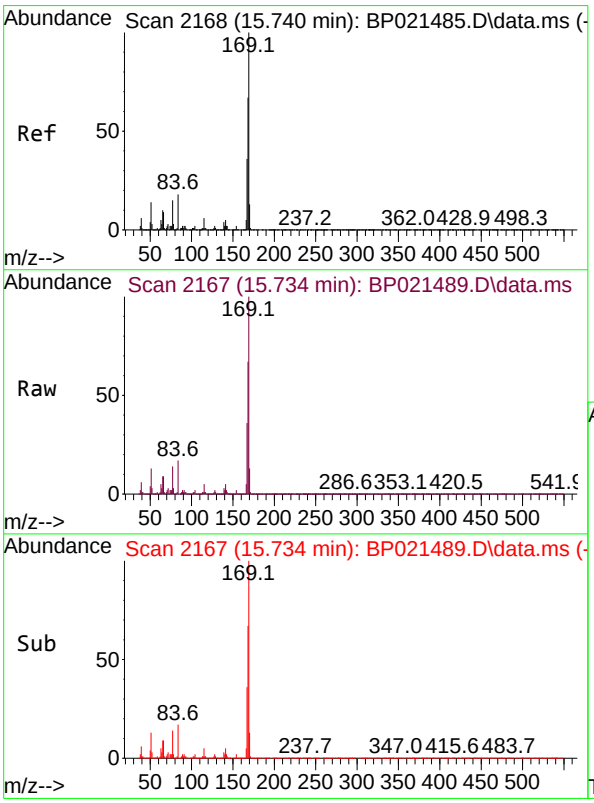
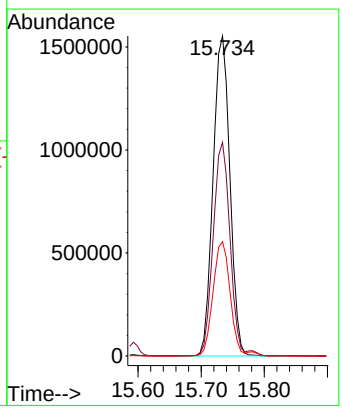
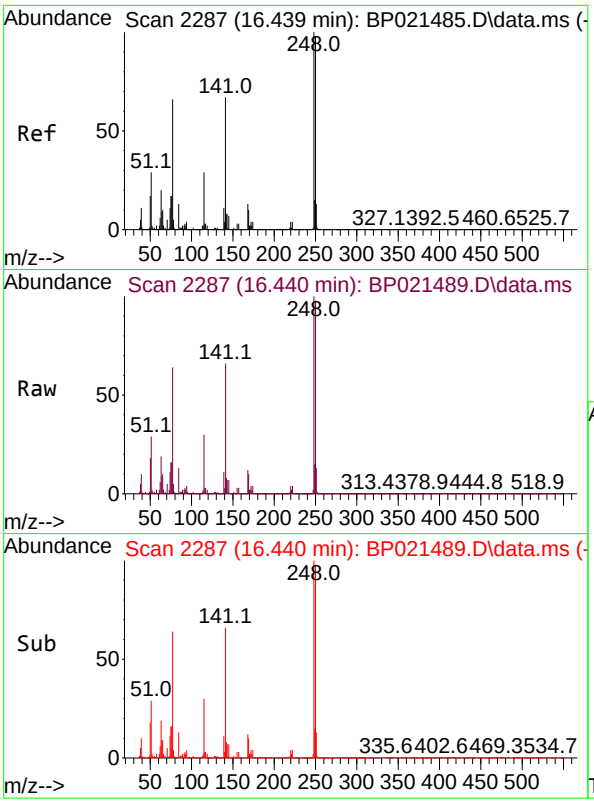


#66
n-Nitrosodiphenylamine
Concen: 42.093 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:169 Resp: 2863059

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 42.289 ng
RT: 16.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:248 Resp: 113596

Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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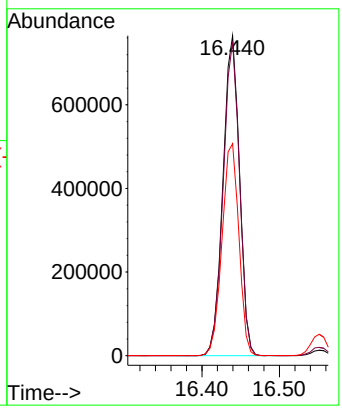
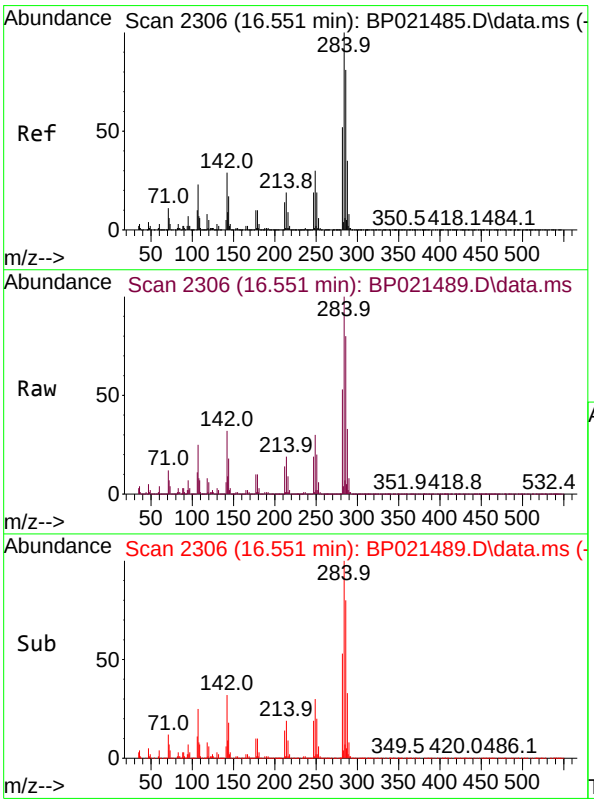
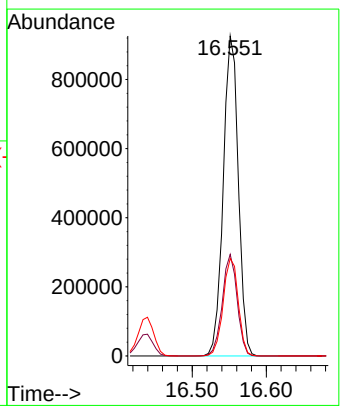


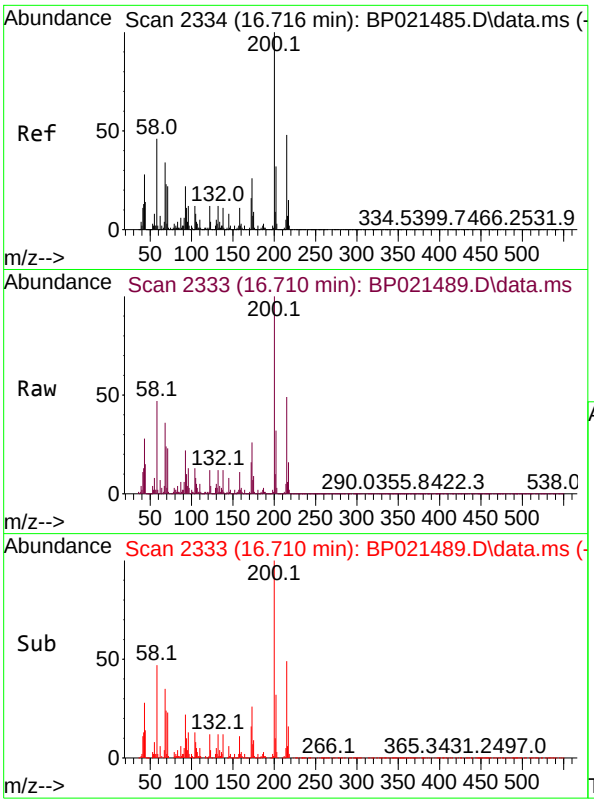


#68
Hexachlorobenzene
Concen: 41.161 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:284 Resp: 1306627

Ion	Ratio	Lower	Upper
284	100		
142	31.8	23.4	35.2
249	30.4	24.1	36.1

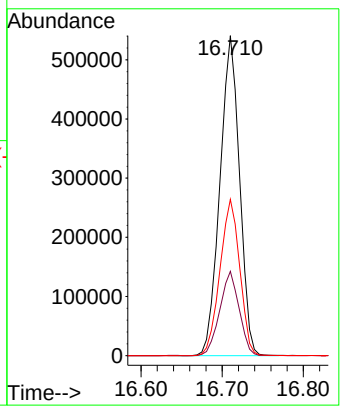




#69
Atrazine
Concen: 38.851 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:200 Resp: 90726

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.2	46.2
215	48.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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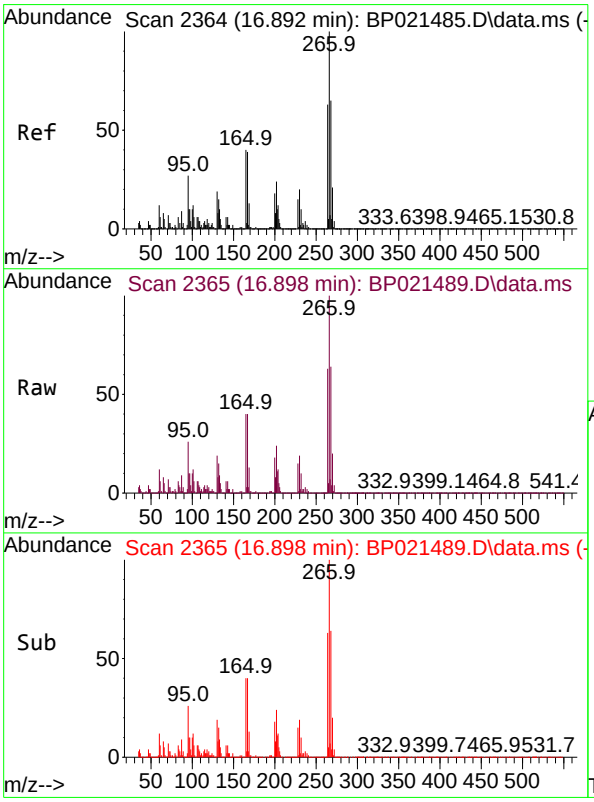
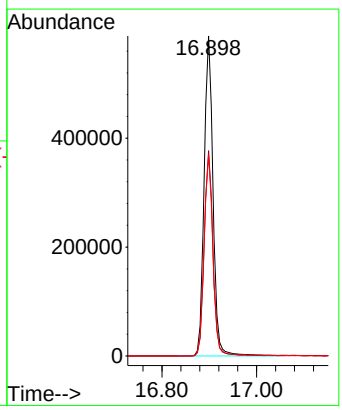
Supervised By :mohammad ahmed 08/14/2024

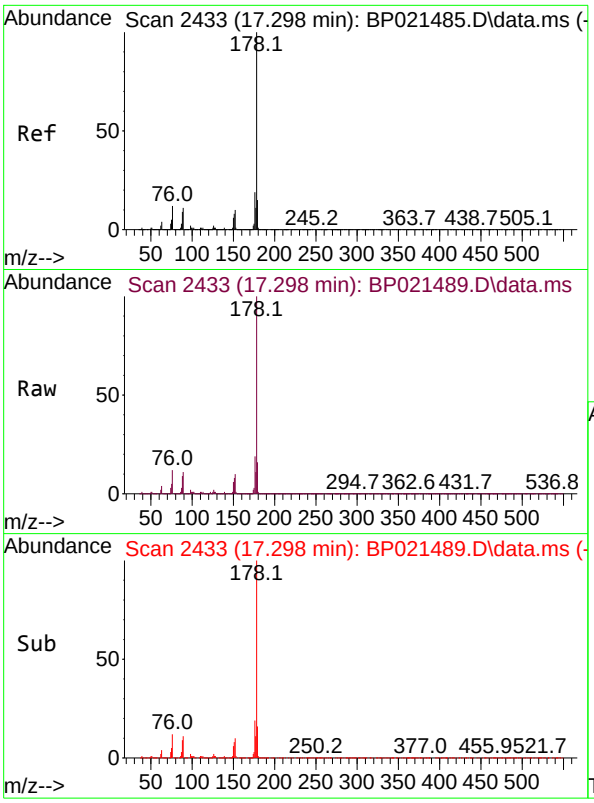


#70
Pentachlorophenol
Concen: 44.446 ng
RT: 16.898 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:266 Resp: 770079

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.0	50.5	75.7





#71
Phenanthrene
Concen: 39.541 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 482648

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.6	12.4	18.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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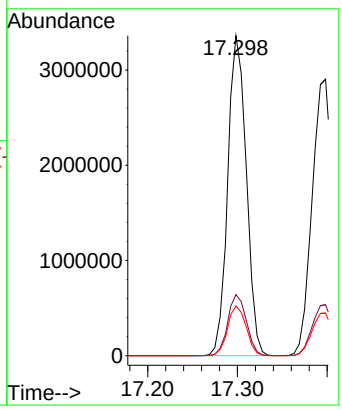
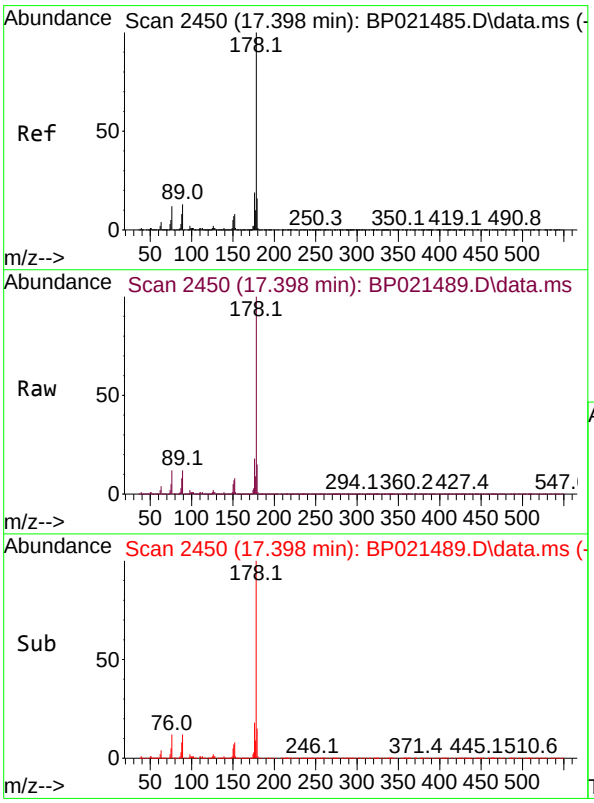
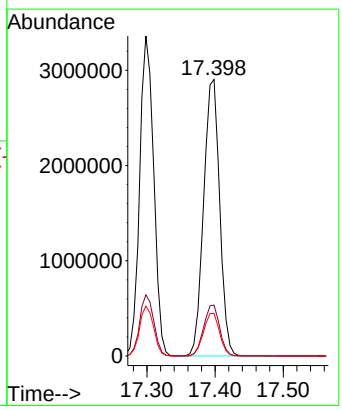


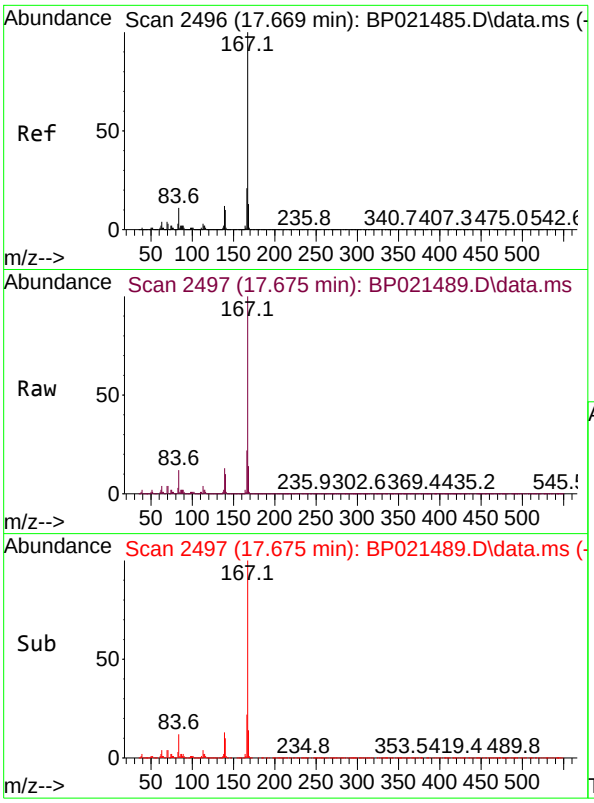


#72
Anthracene
Concen: 39.639 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 4745227

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.4	12.5	18.7

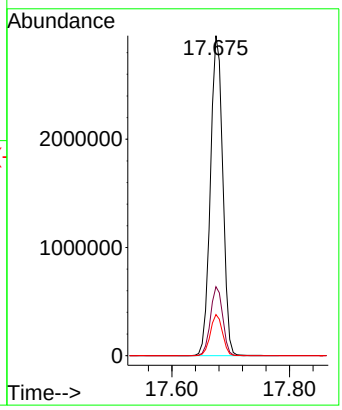




#73
Carbazole
Concen: 37.457 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:167 Resp: 432124

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
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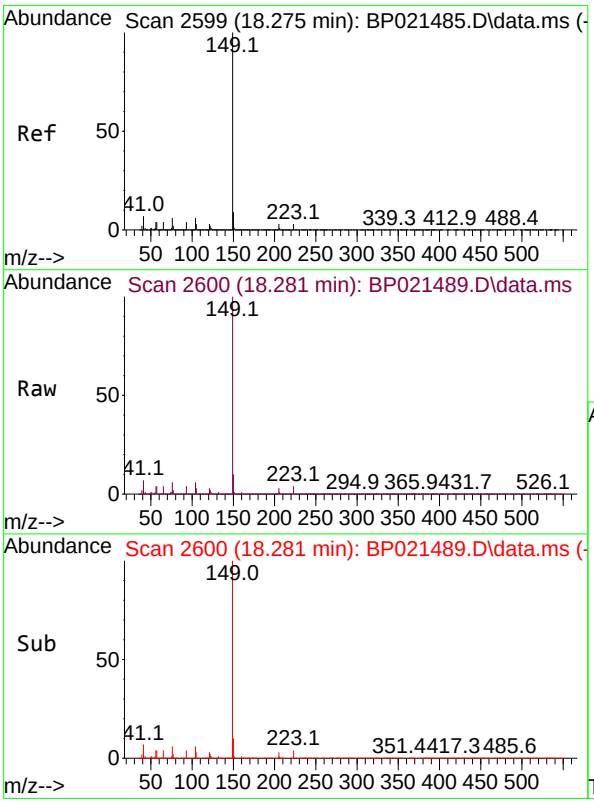
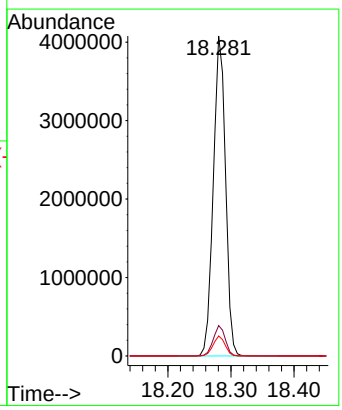
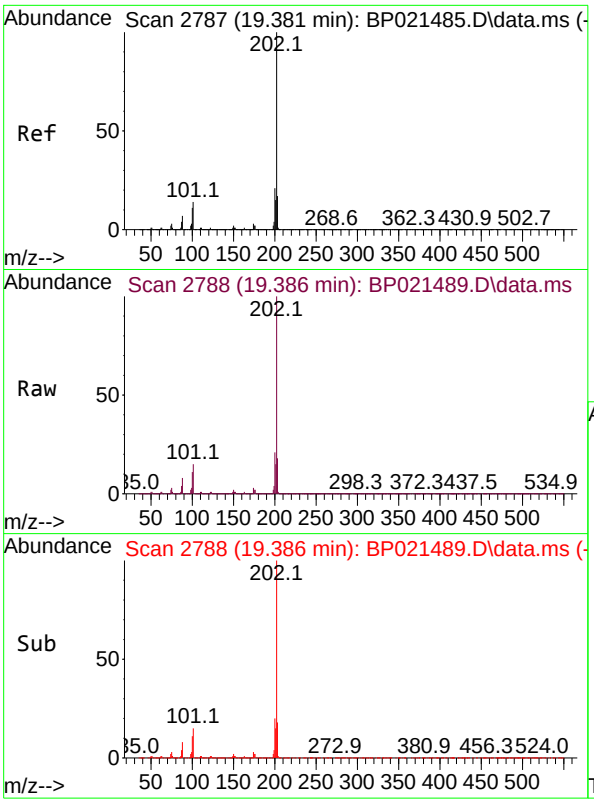


#74
Di-n-butylphthalate
Concen: 38.509 ng
RT: 18.281 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 5456093

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	6.2	4.9	7.3

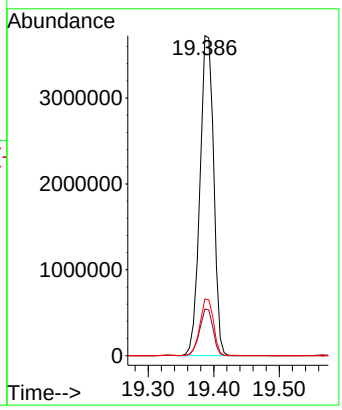




#75
Fluoranthene
Concen: 36.288 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 543487

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.0
203	17.7	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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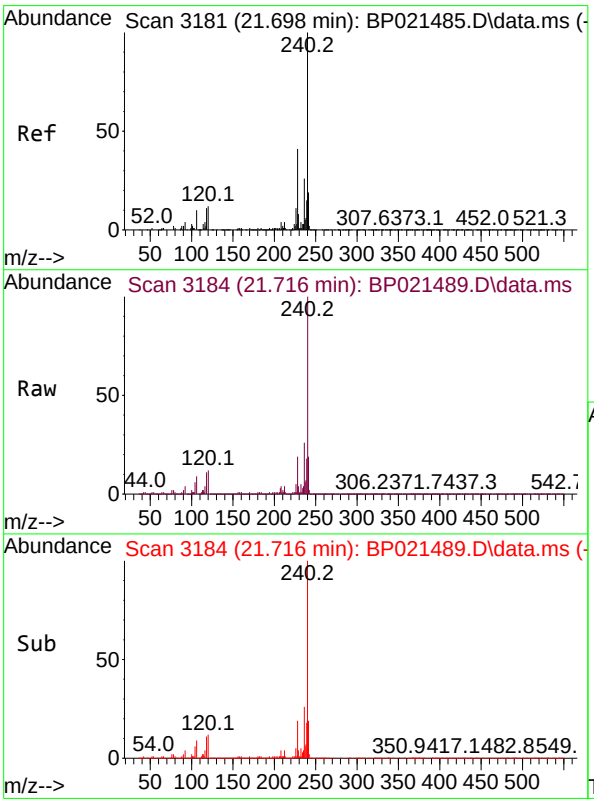
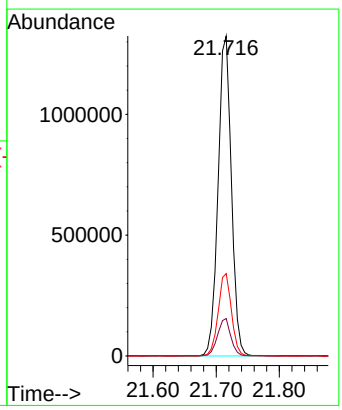
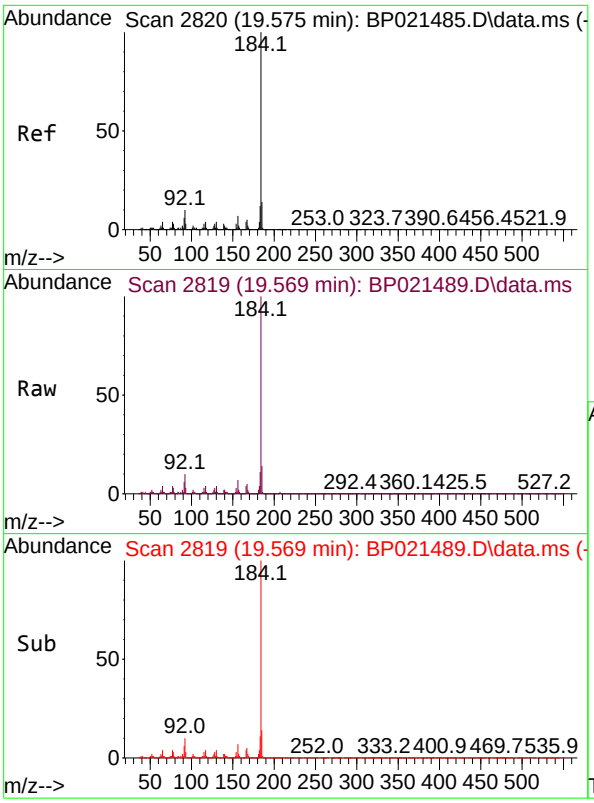


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:240 Resp: 1932921

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	25.8	20.6	30.8

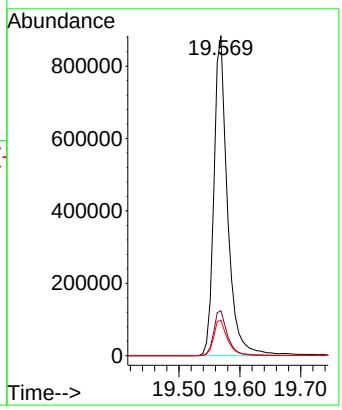




#77
Benzidine
Concen: 30.320 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 136755

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.1	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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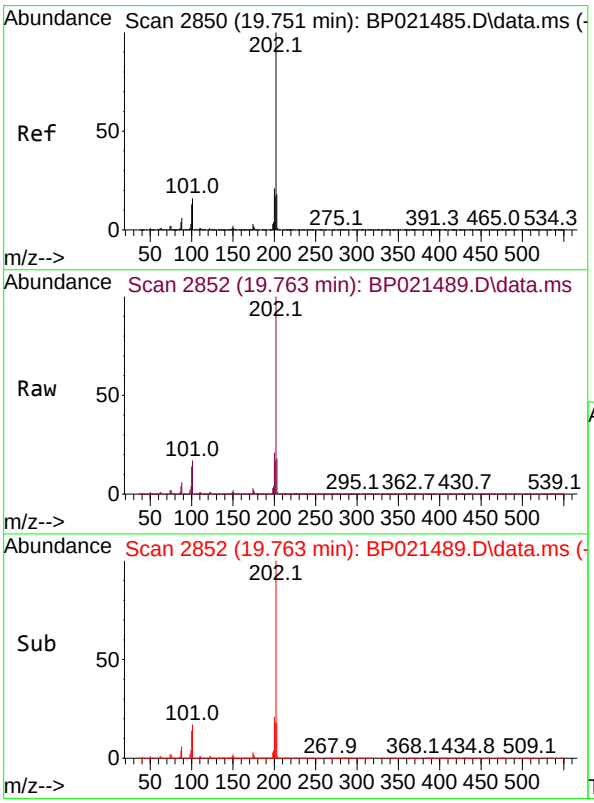
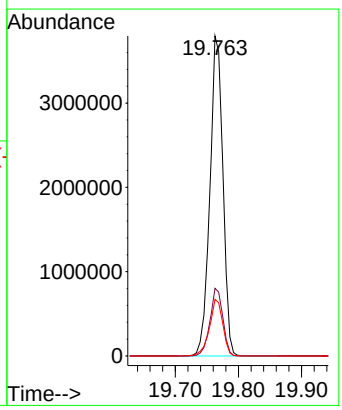
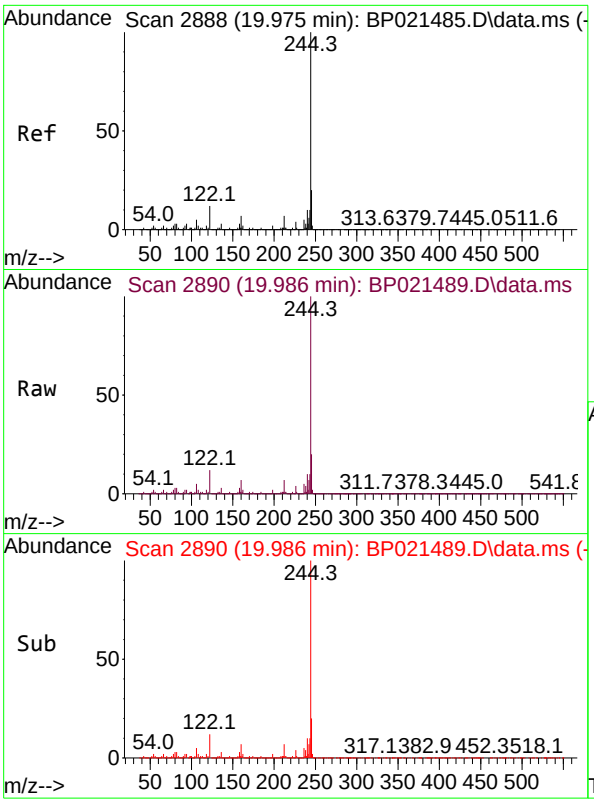


#78
Pyrene
Concen: 43.044 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 5438173

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.1	21.1

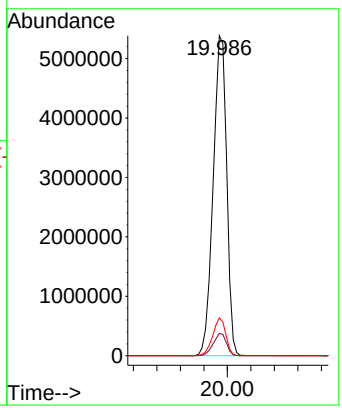




#79
Terphenyl-d14
Concen: 86.216 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:244 Resp: 857810

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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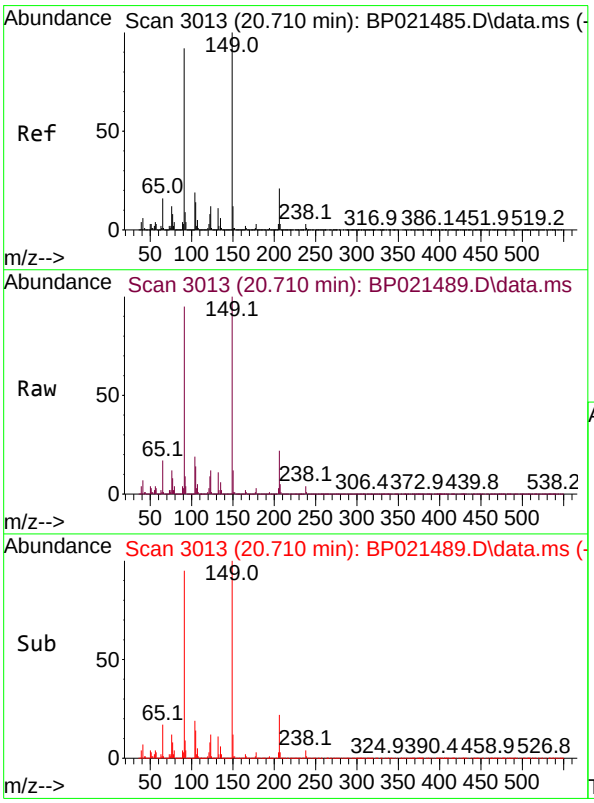
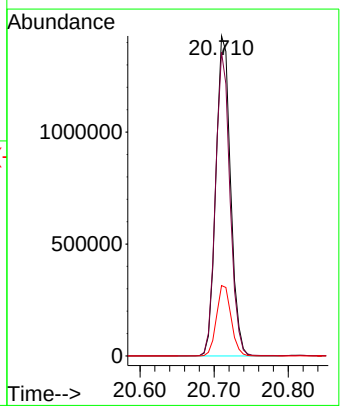
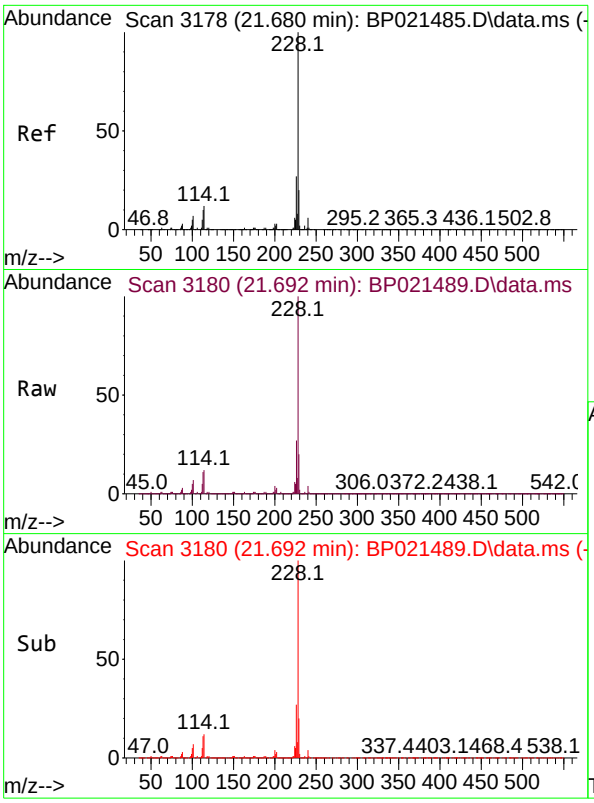


#80
Butylbenzylphthalate
Concen: 41.647 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 1972270

Ion	Ratio	Lower	Upper
149	100		
91	94.9	73.3	109.9
206	22.0	17.1	25.7

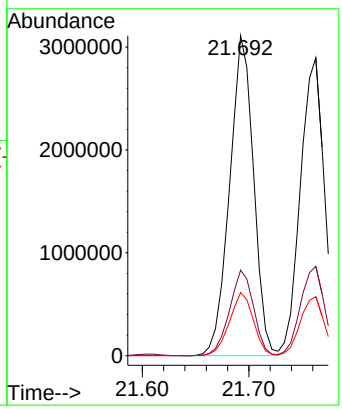




#81
Benzo(a)anthracene
Concen: 40.172 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 487449

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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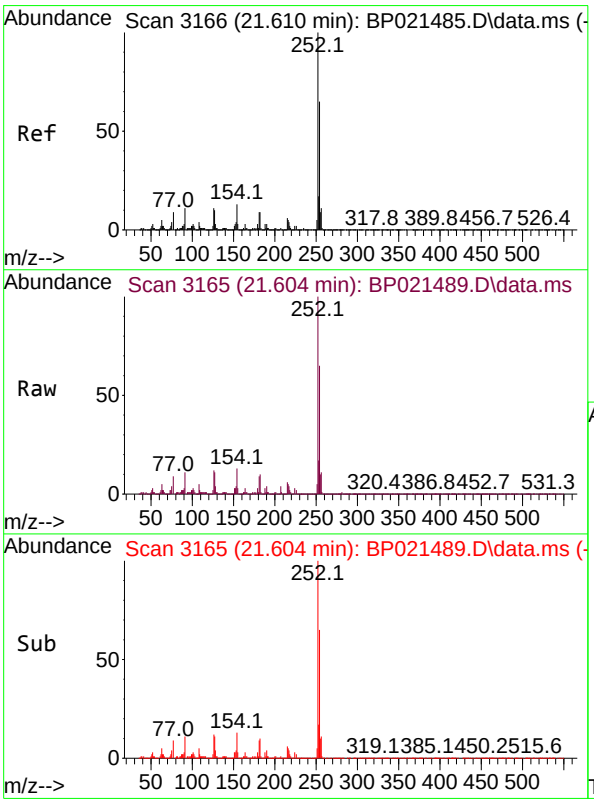
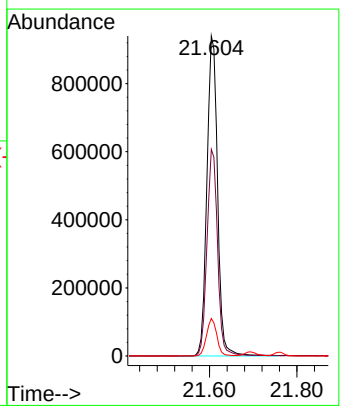
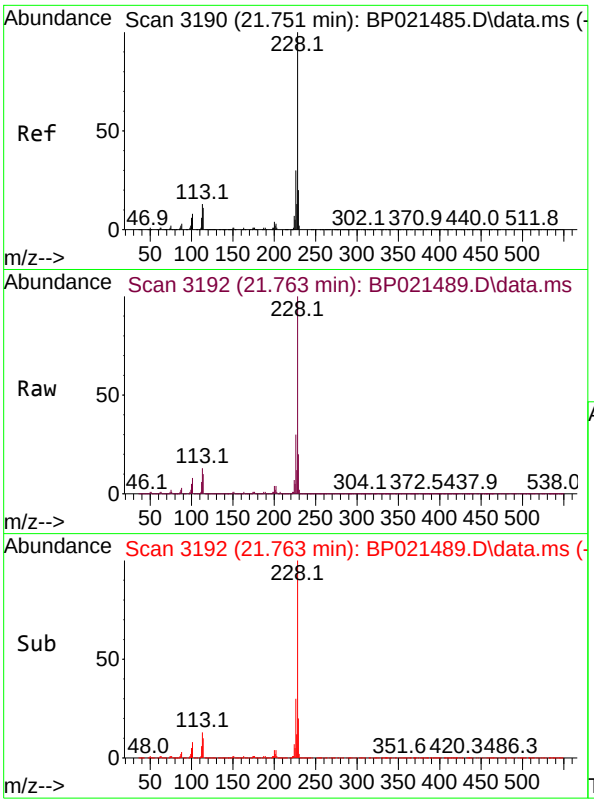


#82
3,3'-Dichlorobenzidine
Concen: 40.936 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 1592617

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.7	8.7	13.1

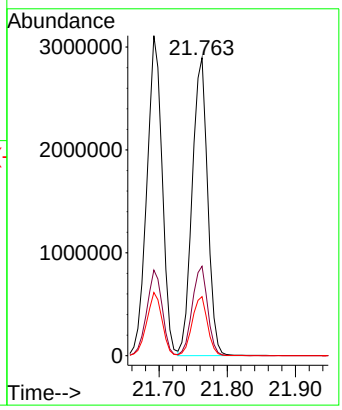




#83
Chrysene
Concen: 39.759 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 455488

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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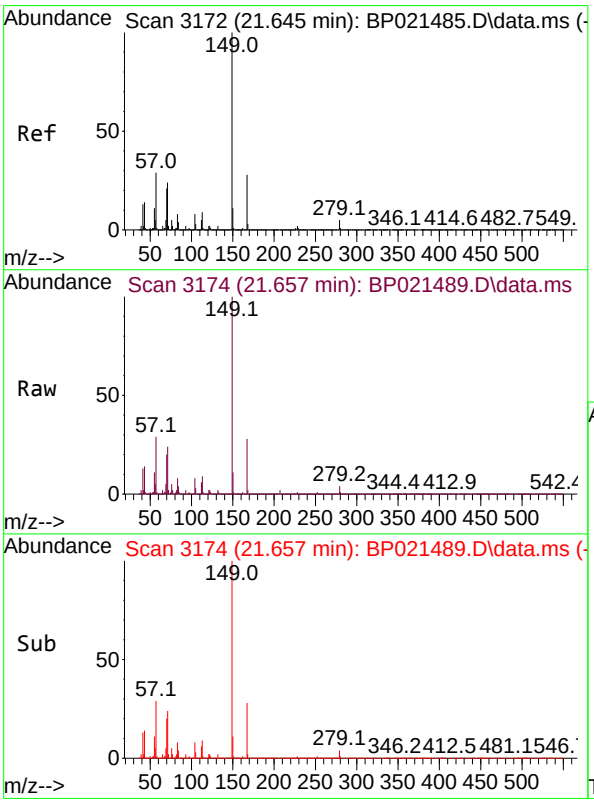
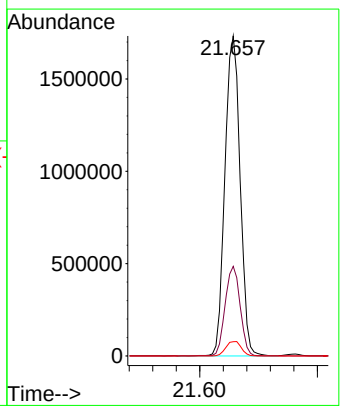
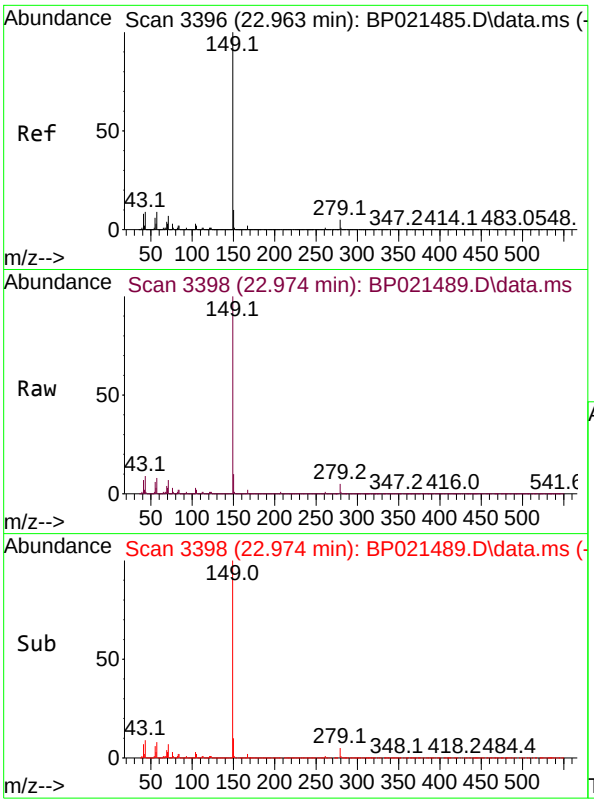


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.381 ng
RT: 21.657 min Scan# 3174
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3111178

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.3	33.5
279	4.5	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 39.871 ng
RT: 22.974 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 490825

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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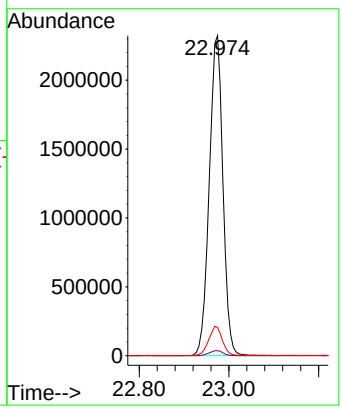
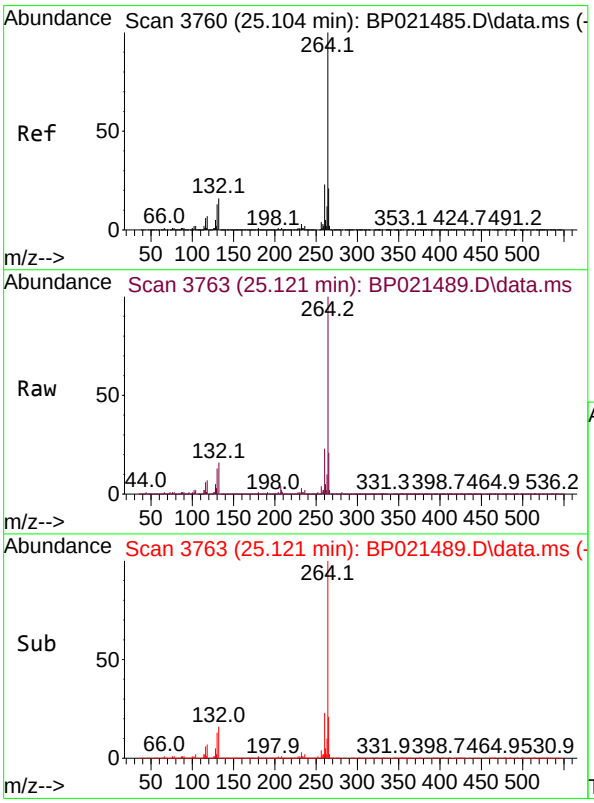
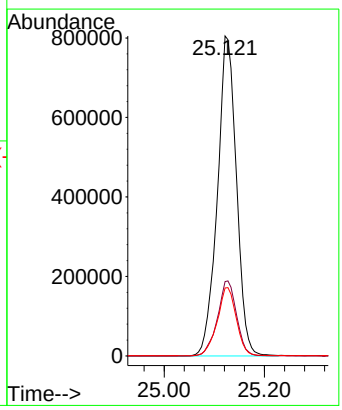


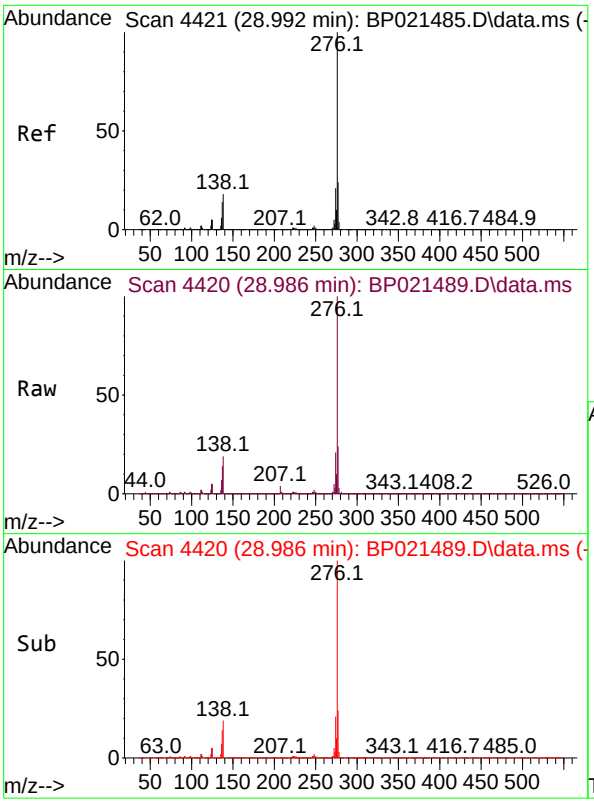


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:264 Resp: 2127555

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.1	25.7

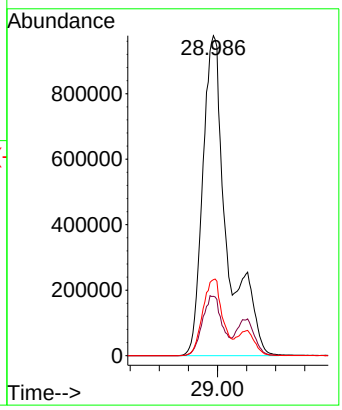




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.105 ng m
RT: 28.986 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 566884

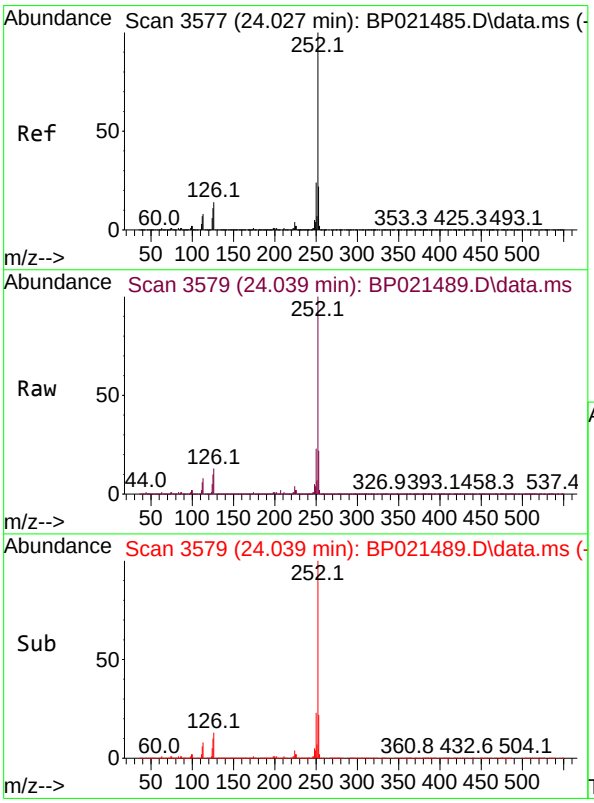
Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	19.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

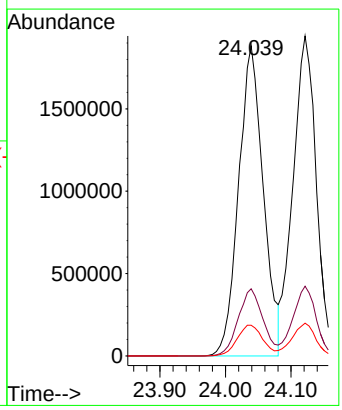
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

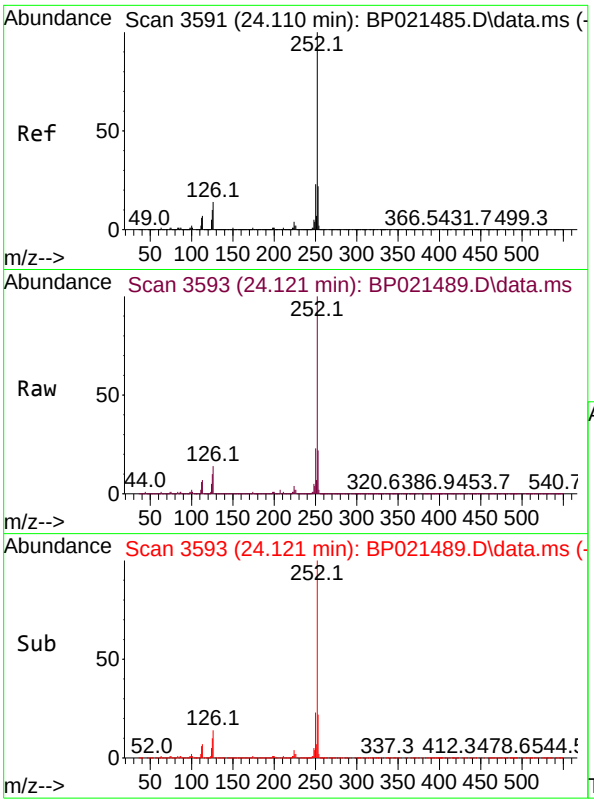


#88
Benzo(b)fluoranthene
Concen: 40.381 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4934155

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.9	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 39.984 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

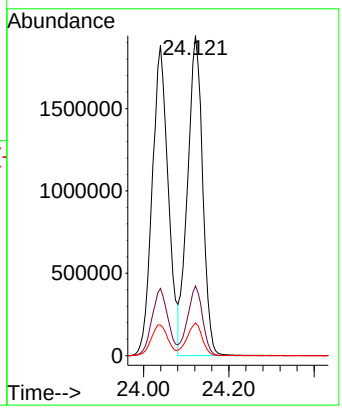
Tgt Ion:252 Resp: 476594

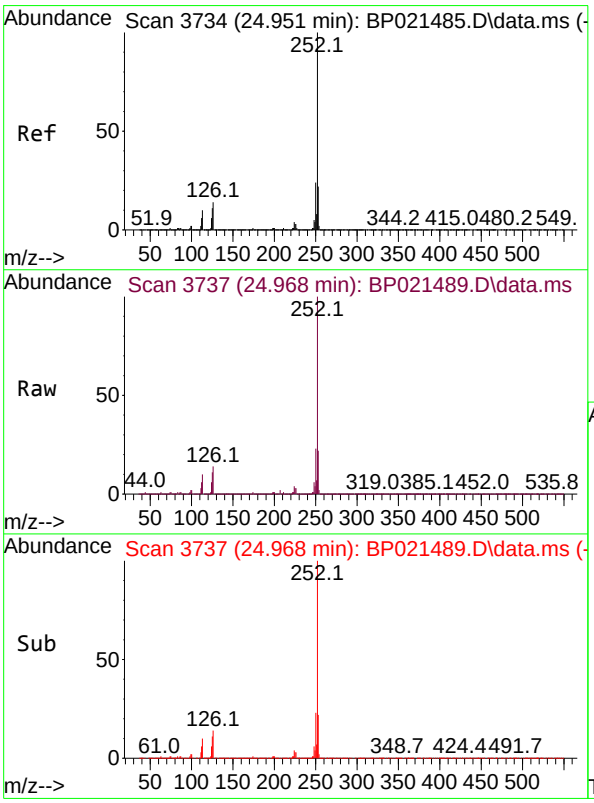
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

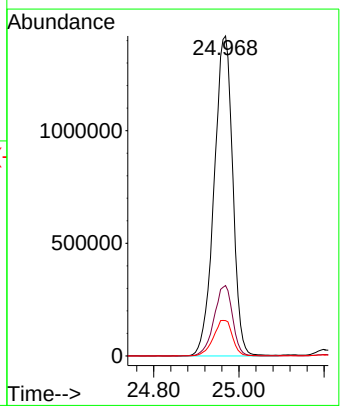


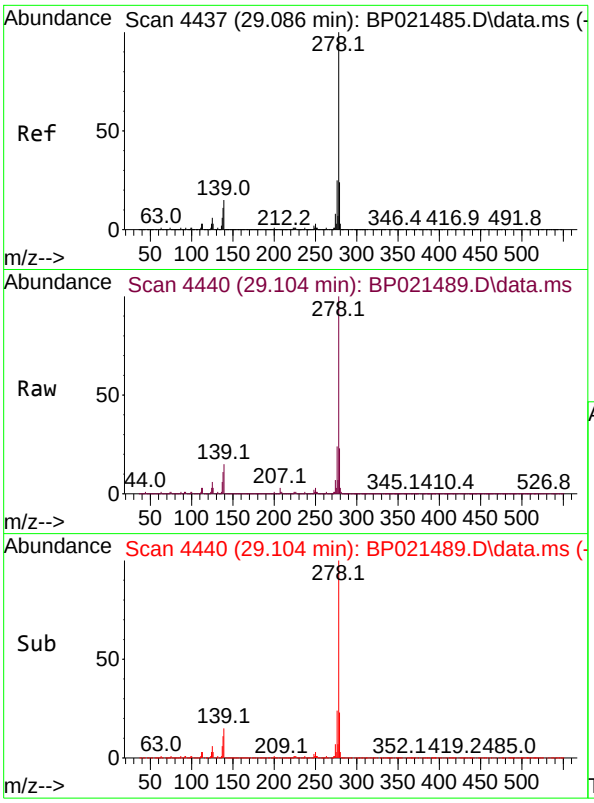


#90
Benzo(a)pyrene
Concen: 40.657 ng
RT: 24.968 min Scan# 3737
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4311183

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.1	8.7	13.1

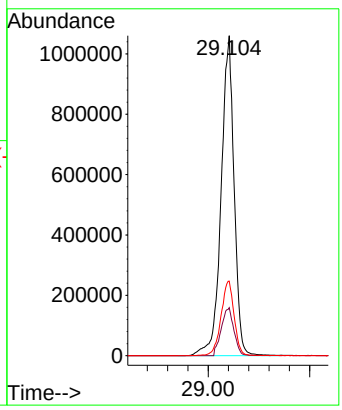




#91
Dibenzo(a,h)anthracene
Concen: 41.172 ng
RT: 29.104 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:278 Resp: 471781

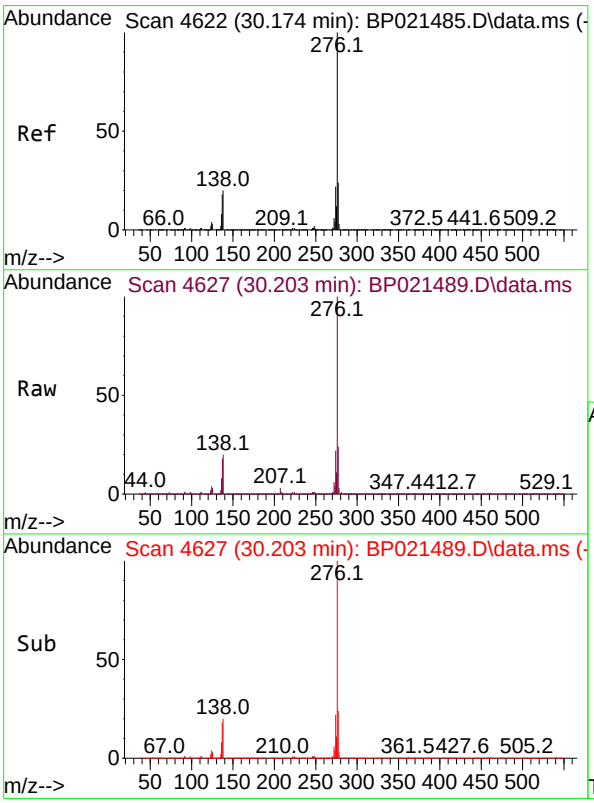
Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	23.3	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

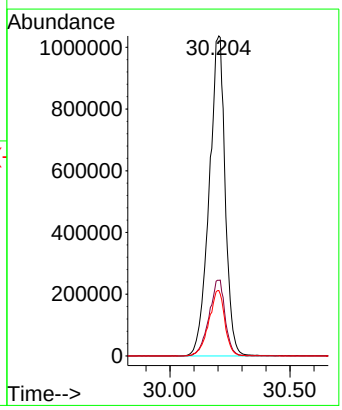
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 41.532 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 4769954

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.4	16.0	24.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	132	0.00
2		1,4-Dioxane	0.639	0.606	5.2	125	0.00
3		Pyridine	1.783	1.803	-1.1	133	0.00
4		n-Nitrosodimethylamine	0.536	0.539	-0.6	134	0.00
5	S	2-Fluorophenol	1.347	1.361	-1.0	134	0.00
6		Aniline	1.964	2.043	-4.0	137	0.00
7	S	Phenol-d6	1.965	2.109	-7.3	141	0.00
8		2-Chlorophenol	1.245	1.316	-5.7	140	0.00
9		Benzaldehyde	1.258	1.272	-1.1	141	0.00
10	C	Phenol	2.035	2.167	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	1.722	1.788	-3.8	139	0.00
12		1,3-Dichlorobenzene	1.479	1.466	0.9	134	0.00
13	C	1,4-Dichlorobenzene	1.493	1.477	1.1	133	0.00
14		1,2-Dichlorobenzene	1.439	1.434	0.3	135	0.00
15		Benzyl Alcohol	1.410	1.567	-11.1	147	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.660	-4.7	142	0.00
17		2-Methylphenol	1.286	1.405	-9.3	144	0.00
18		Hexachloroethane	0.599	0.610	-1.8	136	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.469	-8.3	145	0.00
20		3+4-Methylphenols	1.734	1.945	-12.2	147	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00
22		Acetophenone	0.614	0.613	0.2	145	0.00
23	S	Nitrobenzene-d5	0.387	0.433	-11.9	153#	0.00
24		Nitrobenzene	0.421	0.455	-8.1	149	0.00
25		Isophorone	0.915	0.931	-1.7	148	0.00
26	C	2-Nitrophenol	0.086	0.125	-45.3#	193#	0.00
27		2,4-Dimethylphenol	0.226	0.233	-3.1	150	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.565	-1.1	149	0.00
29	C	2,4-Dichlorophenol	0.267	0.290	-8.6	154#	0.00
30		1,2,4-Trichlorobenzene	0.342	0.335	2.0	143	0.00
31		Naphthalene	1.045	1.035	1.0	144	0.00
32		Benzoic acid	0.137	0.187	-36.5#	210#	0.02
33		4-Chloroaniline	0.392	0.399	-1.8	146	0.00
34	C	Hexachlorobutadiene	0.215	0.211	1.9	142	0.00
35		Caprolactam	0.111	0.116	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	0.370	0.398	-7.6	151#	0.00
37		2-Methylnaphthalene	0.713	0.720	-1.0	148	0.00
38		1-Methylnaphthalene	0.703	0.706	-0.4	147	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.590	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	0.186	0.201	-8.1	157#	0.00
42	S	2,4,6-Tribromophenol	0.223	0.232	-4.0	147	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.360	-10.4	158#	0.00
44		2,4,5-Trichlorophenol	0.362	0.401	-10.8	157#	0.00
45	S	2-Fluorobiphenyl	1.310	1.288	1.7	146	0.00
46		1,1'-Biphenyl	1.415	1.399	1.1	147	0.00
47		2-Chloronaphthalene	1.102	1.093	0.8	147	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	0.256	0.328	-28.1#	172#	0.00
49		Acenaphthylene	1.619	1.600	1.2	146	0.01
50		Dimethylphthalate	1.339	1.310	2.2	145	0.00
51		2,6-Dinitrotoluene	0.232	0.276	-19.0	162#	0.00
52	C	Acenaphthene	1.063	1.046	1.6	146	0.00
53		3-Nitroaniline	0.228	0.264	-15.8	156#	0.00
54	P	2,4-Dinitrophenol	0.069	0.081	-17.4	184#	0.00
55		Dibenzofuran	1.635	1.575	3.7	143	0.00
56	P	4-Nitrophenol	0.195	0.205	-5.1	152#	-0.01
57		2,4-Dinitrotoluene	0.284	0.344	-21.1	161#	0.00
58		Fluorene	1.343	1.278	4.8	141	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.325	-5.9	148	0.00
60		Diethylphthalate	1.374	1.297	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.673	3.0	145	0.00
62		4-Nitroaniline	0.241	0.257	-6.6	141	0.00
63		Azobenzene	1.689	1.598	5.4	140	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.068	-25.9#	172#	0.00
66	c	n-Nitrosodiphenylamine	0.536	0.564	-5.2	140	0.00
67		4-Bromophenyl-phenylether	0.212	0.224	-5.7	144	0.00
68		Hexachlorobenzene	0.250	0.257	-2.8	136	0.00
69		Atrazine	0.184	0.179	2.7	125	0.00
70	C	Pentachlorophenol	0.137	0.152	-10.9	148	0.00
71		Phenanthrene	0.962	0.951	1.1	131	0.00
72		Anthracene	0.943	0.935	0.8	131	0.00
73		Carbazole	0.909	0.851	6.4	122	0.00
74		Di-n-butylphthalate	1.116	1.075	3.7	125	0.00
75	C	Fluoranthene	1.180	1.071	9.2	119	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.02
77		Benzidine	0.420	0.354	15.7	79	0.00
78		Pyrene	1.307	1.407	-7.7	116	0.01
79	S	Terphenyl-d14	1.029	1.109	-7.8	117	0.01
80		Butylbenzylphthalate	0.437	0.510	-16.7	115	0.00
81		Benzo(a)anthracene	1.256	1.261	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	0.403	0.412	-2.2	102	0.00
83		Chrysene	1.185	1.178	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	0.742	0.805	-8.5	109	0.01
85	c	Di-n-octyl phthalate	1.199	1.270	-5.9	108	0.01
86	I	Perylene-d12	1.000	1.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	1.296	1.332	-2.8	102	0.00
88		Benzo(b)fluoranthene	1.149	1.160	-1.0	102	0.01
89		Benzo(k)fluoranthene	1.121	1.120	0.1	100	0.01
90	C	Benzo(a)pyrene	0.997	1.013	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	1.077	1.109	-3.0	103	0.02
92		Benzo(g,h,i)perylene	1.080	1.121	-3.8	104	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	132	0.00
2		1,4-Dioxane	40.000	37.948	5.1	125	0.00
3		Pyridine	40.000	40.445	-1.1	133	0.00
4		n-Nitrosodimethylamine	40.000	40.233	-0.6	134	0.00
5	S	2-Fluorophenol	80.000	80.810	-1.0	134	0.00
6		Aniline	40.000	41.596	-4.0	137	0.00
7	S	Phenol-d6	80.000	85.856	-7.3	141	0.00
8		2-Chlorophenol	40.000	42.300	-5.7	140	0.00
9		Benzaldehyde	40.000	40.434	-1.1	141	0.00
10	C	Phenol	40.000	42.607	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	40.000	41.543	-3.9	139	0.00
12		1,3-Dichlorobenzene	40.000	39.674	0.8	134	0.00
13	C	1,4-Dichlorobenzene	40.000	39.564	1.1	133	0.00
14		1,2-Dichlorobenzene	40.000	39.873	0.3	135	0.00
15		Benzyl Alcohol	40.000	44.472	-11.2	147	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.875	-4.7	142	0.00
17		2-Methylphenol	40.000	43.687	-9.2	144	0.00
18		Hexachloroethane	40.000	40.755	-1.9	136	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.304	-8.3	145	0.00
20		3+4-Methylphenols	40.000	44.850	-12.1	147	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	145	0.00
22		Acetophenone	40.000	39.936	0.2	145	0.00
23	S	Nitrobenzene-d5	80.000	89.361	-11.7	153	0.00
24		Nitrobenzene	40.000	43.244	-8.1	149	0.00
25		Isophorone	40.000	40.700	-1.8	148	0.00
26	C	2-Nitrophenol	40.000	47.780	-19.5	193	0.00
27		2,4-Dimethylphenol	40.000	41.179	-2.9	150	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.438	-1.1	149	0.00
29	C	2,4-Dichlorophenol	40.000	43.442	-8.6	154	0.00
30		1,2,4-Trichlorobenzene	40.000	39.146	2.1	143	0.00
31		Naphthalene	40.000	39.629	0.9	144	0.00
32		Benzoic acid	40.000	49.839	-24.6	210	0.02
33		4-Chloroaniline	40.000	40.617	-1.5	146	0.00
34	C	Hexachlorobutadiene	40.000	39.102	2.2	142	0.00
35		Caprolactam	40.000	41.786	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.987	-7.5	151	0.00
37		2-Methylnaphthalene	40.000	40.412	-1.0	148	0.00
38		1-Methylnaphthalene	40.000	40.173	-0.4	147	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.261	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	40.000	43.183	-8.0	157	0.00
42	S	2,4,6-Tribromophenol	80.000	83.477	-4.3	147	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.249	-10.6	158	0.00
44		2,4,5-Trichlorophenol	40.000	44.396	-11.0	157	0.00
45	S	2-Fluorobiphenyl	80.000	78.649	1.7	146	0.00
46		1,1'-Biphenyl	40.000	39.542	1.1	147	0.00
47		2-Chloronaphthalene	40.000	39.695	0.8	147	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	43.044	-7.6	172	0.00
49		Acenaphthylene	40.000	39.531	1.2	146	0.01
50		Dimethylphthalate	40.000	39.127	2.2	145	0.00
51		2,6-Dinitrotoluene	40.000	41.424	-3.6	162	0.00
52	C	Acenaphthene	40.000	39.366	1.6	146	0.00
53		3-Nitroaniline	40.000	40.483	-1.2	156	0.00
54	P	2,4-Dinitrophenol	40.000	45.065	-12.7	184	0.00
55		Dibenzofuran	40.000	38.543	3.6	143	0.00
56	P	4-Nitrophenol	40.000	39.582	1.0	152	-0.01
57		2,4-Dinitrotoluene	40.000	40.864	-2.2	161	0.00
58		Fluorene	40.000	38.055	4.9	141	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.310	-5.8	148	0.00
60		Diethylphthalate	40.000	37.752	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.777	3.1	145	0.00
62		4-Nitroaniline	40.000	38.254	4.4	141	0.00
63		Azobenzene	40.000	37.833	5.4	140	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.281	-15.7	172	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.093	-5.2	140	0.00
67		4-Bromophenyl-phenylether	40.000	42.289	-5.7	144	0.00
68		Hexachlorobenzene	40.000	41.161	-2.9	136	0.00
69		Atrazine	40.000	38.851	2.9	125	0.00
70	C	Pentachlorophenol	40.000	44.446	-11.1	148	0.00
71		Phenanthrene	40.000	39.541	1.1	131	0.00
72		Anthracene	40.000	39.639	0.9	131	0.00
73		Carbazole	40.000	37.457	6.4	122	0.00
74		Di-n-butylphthalate	40.000	38.509	3.7	125	0.00
75	C	Fluoranthene	40.000	36.288	9.3	119	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	106	0.02
77		Benzidine	40.000	30.320	24.2	79	0.00
78		Pyrene	40.000	43.044	-7.6	116	0.01
79	S	Terphenyl-d14	80.000	86.216	-7.8	117	0.01
80		Butylbenzylphthalate	40.000	41.647	-4.1	115	0.00
81		Benzo(a)anthracene	40.000	40.172	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	40.000	40.936	-2.3	102	0.00
83		Chrysene	40.000	39.759	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.381	-8.5	109	0.01
85	c	Di-n-octyl phthalate	40.000	39.871	0.3	108	0.01
86	I	Perylene-d12	20.000	20.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.105	-2.8	102	0.00
88		Benzo(b)fluoranthene	40.000	40.381	-1.0	102	0.01
89		Benzo(k)fluoranthene	40.000	39.984	0.0	100	0.01
90	C	Benzo(a)pyrene	40.000	40.657	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	40.000	41.172	-2.9	103	0.02
92		Benzo(g,h,i)perylene	40.000	41.532	-3.8	104	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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: JACO05

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG No.: P3573

Instrument ID: BNA_F Calibration Date/Time: 08/15/2024 16:31

Lab File ID: BF139025.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.296	1.285		-0.8	
Phenol-d6	1.740	1.737		-0.2	
Nitrobenzene-d5	0.409	0.427		4.4	
2-Fluorobiphenyl	1.331	1.385		4.1	
2,4,6-Tribromophenol	0.164	0.164		0.0	
Terphenyl-d14	1.195	1.201		0.5	
Benzo(a)anthracene	1.377	1.380		0.2	
Benzo(a)pyrene	1.043	1.074		3.0	20.0
Dibenzo(a,h)anthracene	1.177	1.097		-6.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.840	152	46198	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	185235	20.000	ng		0.00
39) Acenaphthene-d10	9.869	164	103494	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	173892	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	85690	20.000	ng		0.00
86) Perylene-d12	15.463	264	90423	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	237489	79.354	ng		0.00
7) Phenol-d6	6.487	99	320905	79.865	ng		0.00
23) Nitrobenzene-d5	7.410	82	316549	83.551	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	67746	79.912	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	573298	83.230	ng		-0.01
79) Terphenyl-d14	12.939	244	411582	80.418	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	46829	35.741	ng	#	93
3) Pyridine	3.334	79	117086	36.889	ng		96
4) n-Nitrosodimethylamine	3.305	42	86767	45.899	ng		82
6) Aniline	6.504	93	138876	38.755	ng	#	46
8) 2-Chlorophenol	6.628	128	127161	40.385	ng		98
9) Benzaldehyde	6.393	77	86956	36.101	ng		98
10) Phenol	6.504	94	165513	39.123	ng	#	72
11) bis(2-Chloroethyl)ether	6.575	93	120930	37.146	ng		98
12) 1,3-Dichlorobenzene	6.775	146	139572	39.599	ng		97
13) 1,4-Dichlorobenzene	6.857	146	140243	39.427	ng		99
14) 1,2-Dichlorobenzene	7.010	146	133623	40.196	ng		99
15) Benzyl Alcohol	6.993	79	125711	43.408	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.110	45	203620	36.343	ng	#	48
17) 2-Methylphenol	7.104	107	101359	38.983	ng	#	87
18) Hexachloroethane	7.345	117	54124	40.423	ng		98
19) n-Nitroso-di-n-propyla...	7.257	70	98862	40.737	ng		97
20) 3+4-Methylphenols	7.257	107	137424	41.195	ng		95
22) Acetophenone	7.251	105	190713	42.049	ng		99
24) Nitrobenzene	7.428	77	158834	41.199	ng		99
25) Isophorone	7.663	82	261884	40.481	ng		98
26) 2-Nitrophenol	7.740	139	66148	39.880	ng		90
27) 2,4-Dimethylphenol	7.781	122	78290	39.450	ng		96
28) bis(2-Chloroethoxy)met...	7.869	93	151398	38.429	ng		98
29) 2,4-Dichlorophenol	7.992	162	103656	40.648	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	117336	39.871	ng		98
31) Naphthalene	8.140	128	385336	39.521	ng		99
32) Benzoic acid	7.934	122	47480	30.436	ng		93
33) 4-Chloroaniline	8.198	127	121655	37.170	ng		97
34) Hexachlorobutadiene	8.251	225	74310	41.689	ng		98
35) Caprolactam	8.575	113	32303	42.453	ng		90
36) 4-Chloro-3-methylphenol	8.687	107	121466	41.678	ng		100
37) 2-Methylnaphthalene	8.828	142	248587	40.370	ng		99
38) 1-Methylnaphthalene	8.928	142	245538	40.692	ng		98
40) 1,2,4,5-Tetrachloroben...	8.992	216	115282	40.099	ng		99
41) Hexachlorocyclopentadiene	8.975	237	23932	35.677	ng		99
43) 2,4,6-Trichlorophenol	9.116	196	67209	38.342	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	73797	38.511	ng		97
46) 1,1'-Biphenyl	9.292	154	324022	39.976	ng		99
47) 2-Chloronaphthalene	9.322	162	242402	40.211	ng		99
48) 2-Nitroaniline	9.428	65	87200	42.668	ng		97
49) Acenaphthylene	9.734	152	341255	39.913	ng		99
50) Dimethylphthalate	9.592	163	276736	41.819	ng		99
51) 2,6-Dinitrotoluene	9.663	165	65543	43.887	ng	#	84
52) Acenaphthene	9.904	154	229254	39.888	ng		99
53) 3-Nitroaniline	9.839	138	62039	40.183	ng		99
54) 2,4-Dinitrophenol	9.957	184	29830	43.390	ng		86
55) Dibenzofuran	10.075	168	331767	40.893	ng		96
56) 4-Nitrophenol	10.022	139	35833	38.596	ng		88
57) 2,4-Dinitrotoluene	10.075	165	83332	43.734	ng	#	78
58) Fluorene	10.422	166	274269	42.452	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	60241	41.119	ng		98
60) Diethylphthalate	10.292	149	275996	43.986	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	133567	42.035	ng		96
62) 4-Nitroaniline	10.457	138	59530m	40.574	ng		
63) Azobenzene	10.569	77	288112	41.401	ng		95
65) 4,6-Dinitro-2-methylph...	10.486	198	42551	40.109	ng		89
66) n-Nitrosodiphenylamine	10.533	169	224448	41.293	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	77154	40.980	ng		97
68) Hexachlorobenzene	10.969	284	78472	40.368	ng		99
69) Atrazine	11.057	200	53241	37.965	ng		98
70) Pentachlorophenol	11.175	266	31789	36.280	ng		98
71) Phenanthrene	11.380	178	360273	40.236	ng		100
72) Anthracene	11.433	178	358261	40.615	ng		100
73) Carbazole	11.592	167	301941	39.675	ng		99
74) Di-n-butylphthalate	11.910	149	380361	44.460	ng		99
75) Fluoranthene	12.569	202	321989	38.519	ng		98
77) Benzidine	12.698	184	58104	28.350	ng		98
78) Pyrene	12.798	202	317893	39.402	ng		99
80) Butylbenzylphthalate	13.410	149	108747	42.091	ng		97
81) Benzo(a)anthracene	13.986	228	236524	40.083	ng		98
82) 3,3'-Dichlorobenzidine	13.951	252	62349	41.290	ng		99
83) Chrysene	14.027	228	205164	38.538	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	142898	37.771	ng		99
85) Di-n-octyl phthalate	14.574	149	249697	35.673	ng		98
87) Indeno(1,2,3-cd)pyrene	16.945	276	242158	37.370	ng		95
88) Benzo(b)fluoranthene	15.039	252	224297	40.015	ng		98
89) Benzo(k)fluoranthene	15.063	252	204228	42.081	ng		99
90) Benzo(a)pyrene	15.404	252	194217	41.192	ng		99
91) Dibenzo(a,h)anthracene	16.951	278	198357	37.290	ng		96
92) Benzo(g,h,i)perylene	17.386	276	196424	35.585	ng		97

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

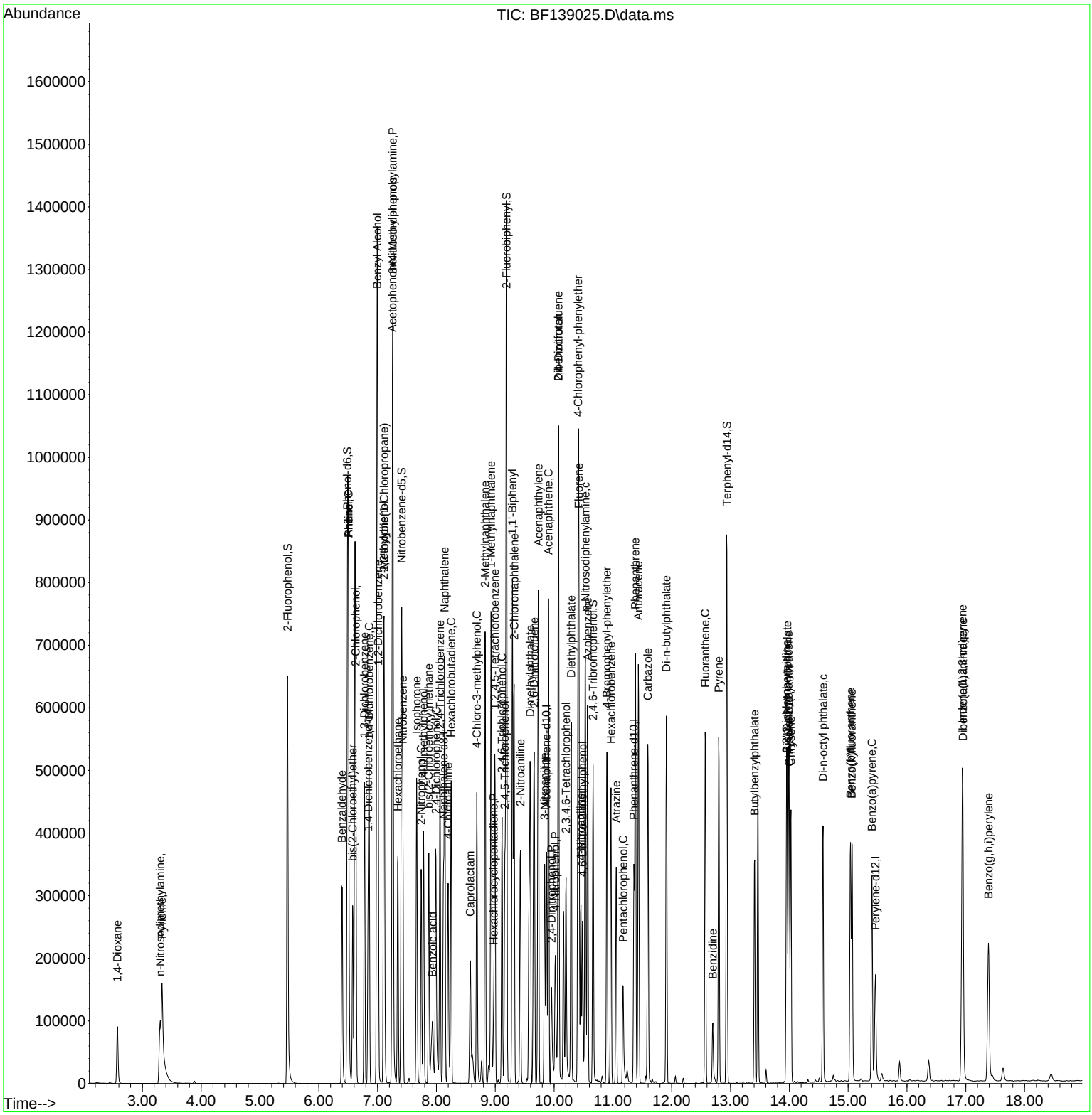
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

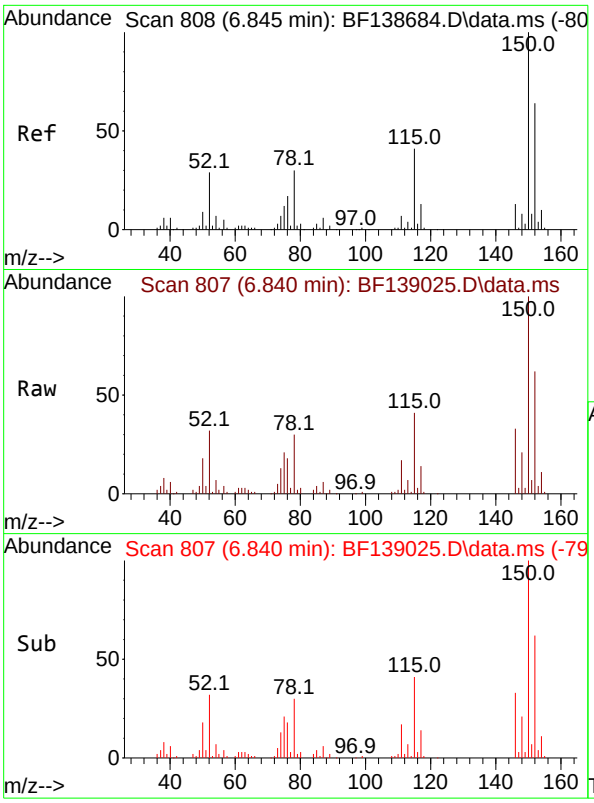
Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

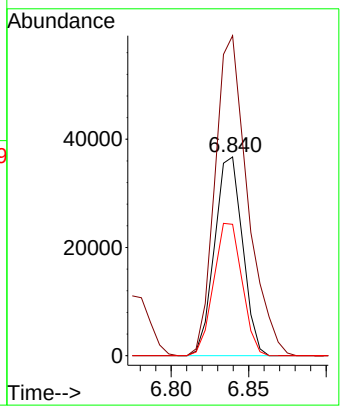




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:152 Resp: 4619

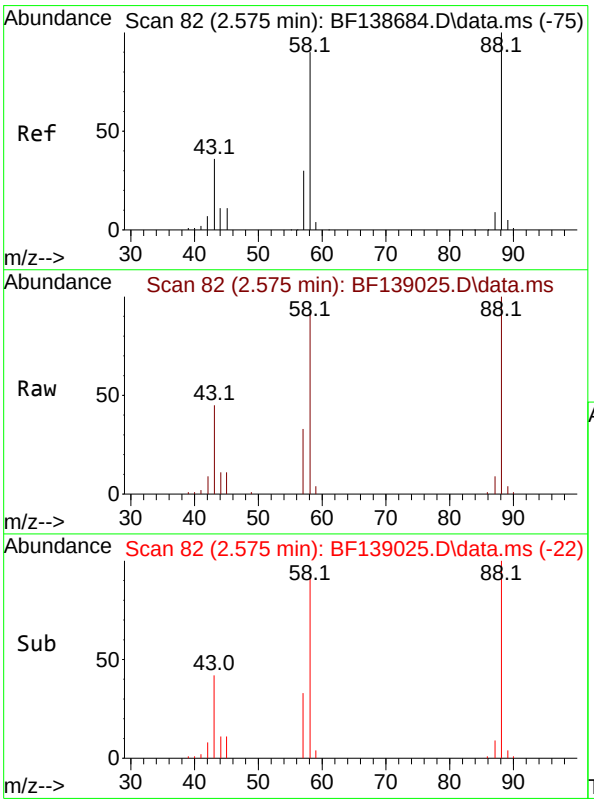
Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.0	189.0
115	66.1	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

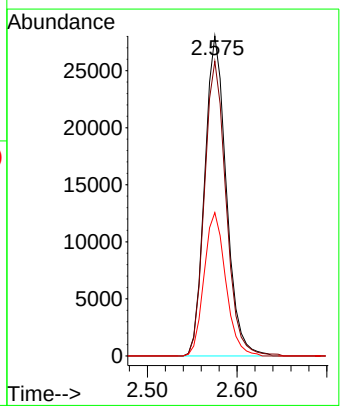
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

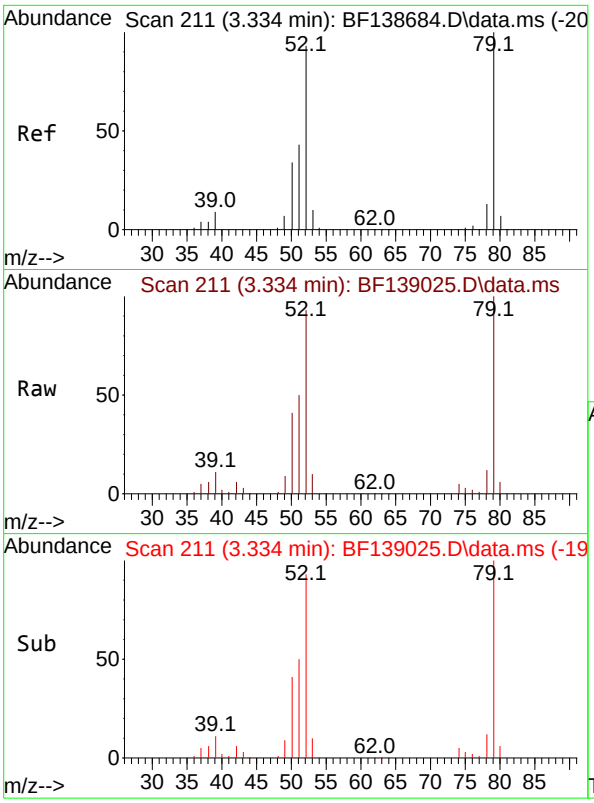


#2
1,4-Dioxane
Concen: 35.741 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 88 Resp: 46829

Ion	Ratio	Lower	Upper
88	100		
58	92.3	71.6	107.4
43	44.9	28.7	43.1#

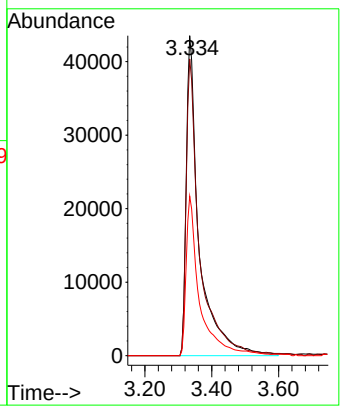




#3
Pyridine
Concen: 36.889 ng
RT: 3.334 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 79 Resp: 11708

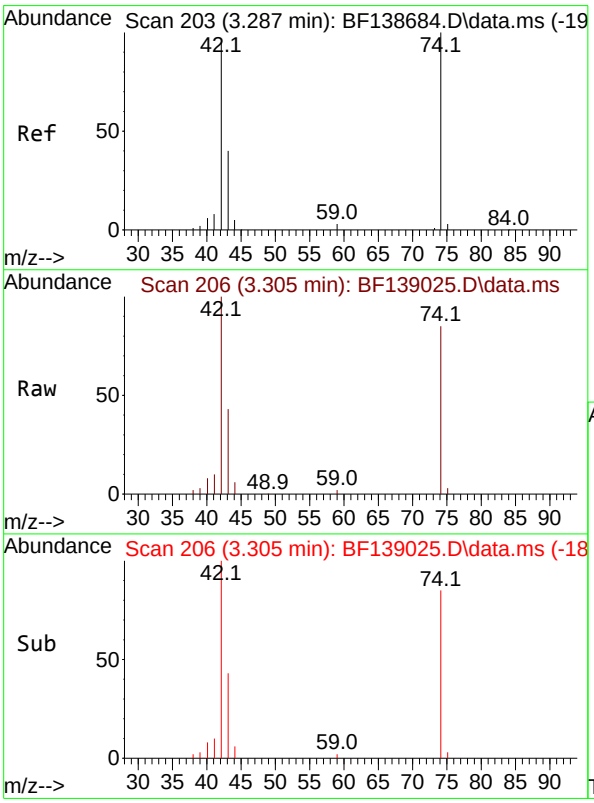
Ion	Ratio	Lower	Upper
79	100		
52	92.8	74.7	112.1
51	49.9	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

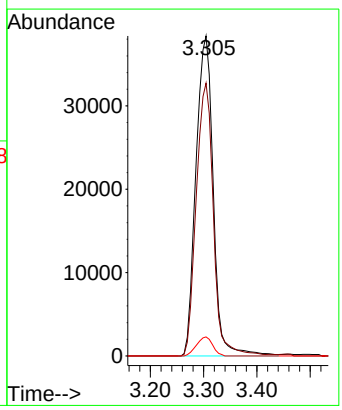
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

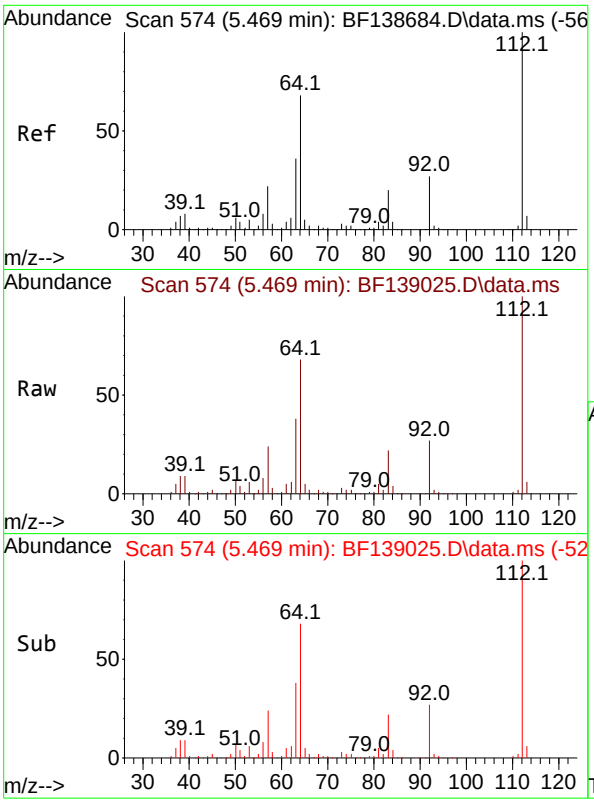


#4
n-Nitrosodimethylamine
Concen: 45.899 ng
RT: 3.305 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 42 Resp: 86767

Ion	Ratio	Lower	Upper
42	100		
74	85.2	84.2	126.4
44	5.9	4.9	7.3





#5
2-Fluorophenol
Concen: 79.354 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:112 Resp: 23748

Ion	Ratio	Lower	Upper
112	100		
64	68.0	54.2	81.4
63	38.5	28.7	43.1

Instrument :
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ClientSampleId :
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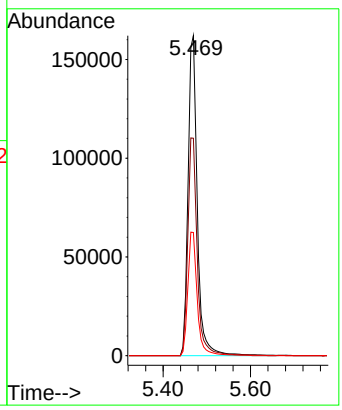
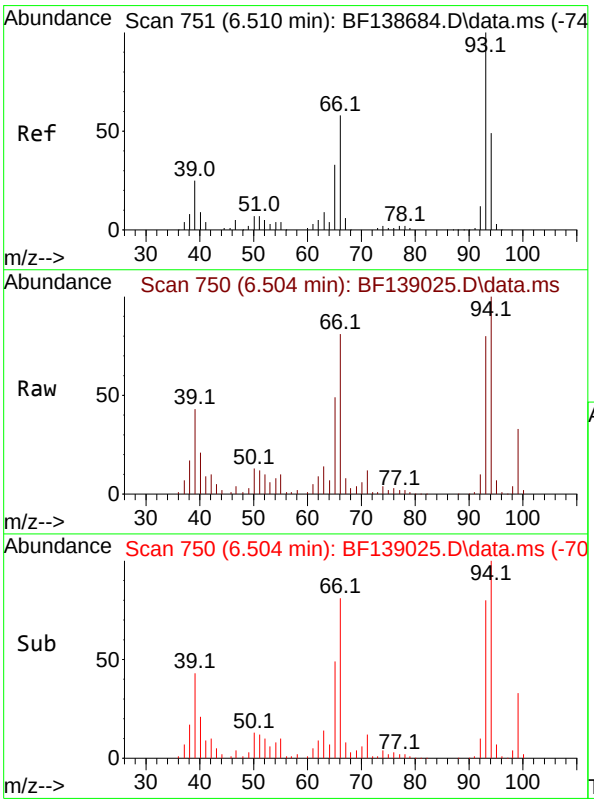
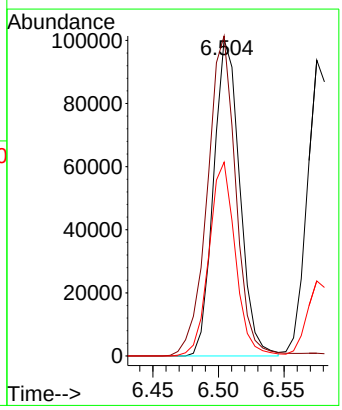


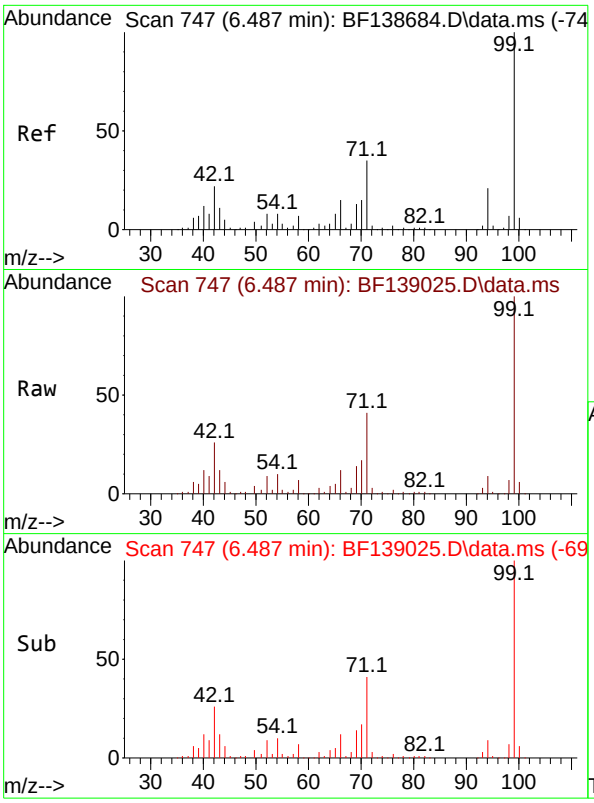


#6
Aniline
Concen: 38.755 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 93 Resp: 138876

Ion	Ratio	Lower	Upper
93	100		
66	101.1	46.9	70.3#
65	61.2	26.5	39.7#

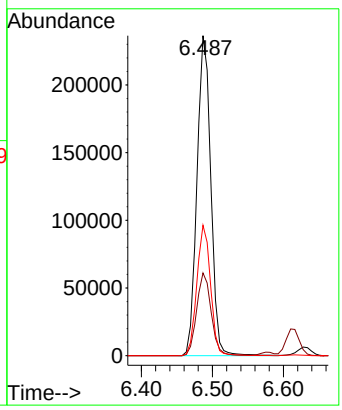




#7
Phenol-d6
Concen: 79.865 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 99 Resp: 32090

Ion	Ratio	Lower	Upper
99	100		
42	25.9	17.4	26.0
71	40.7	28.1	42.1



Instrument :
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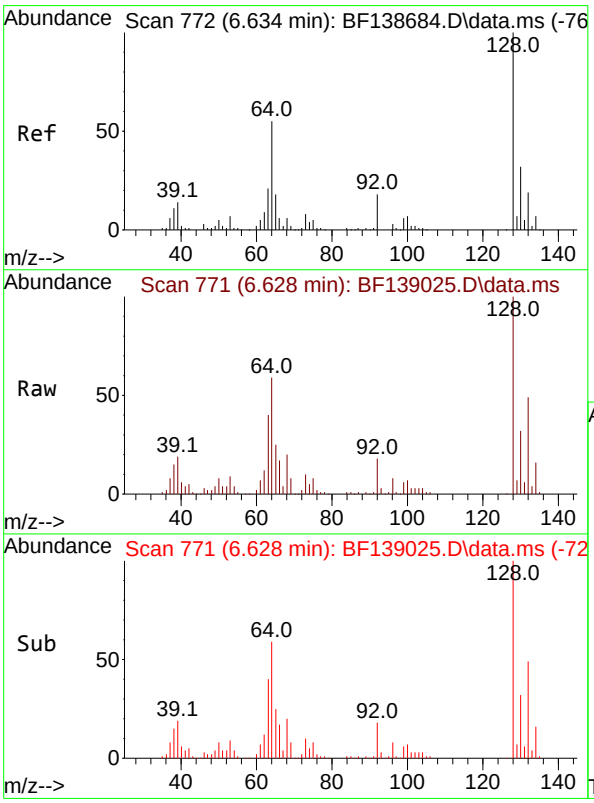
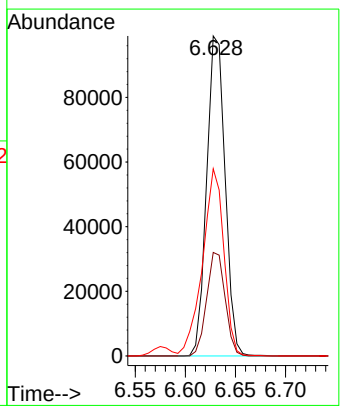
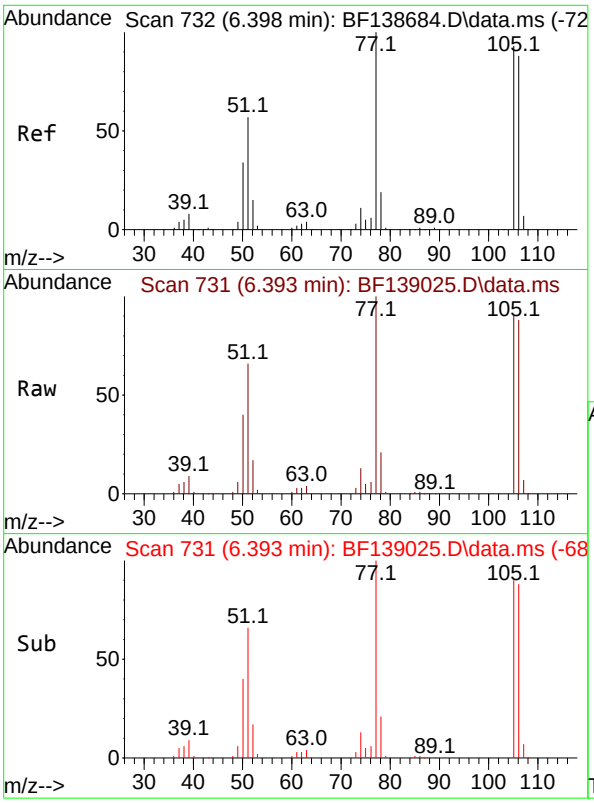


#8
2-Chlorophenol
Concen: 40.385 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:128 Resp: 127161

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	58.5	36.3	76.3

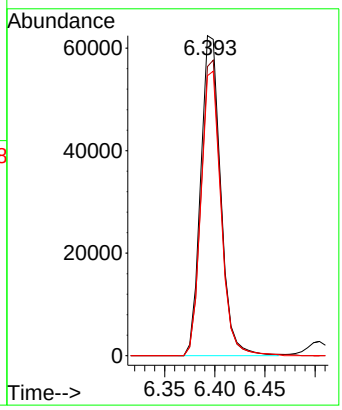




#9
Benzaldehyde
Concen: 36.101 ng
RT: 6.393 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 77 Resp: 8695

Ion	Ratio	Lower	Upper
77	100		
105	90.3	72.9	112.9
106	87.5	68.4	108.4



Instrument :
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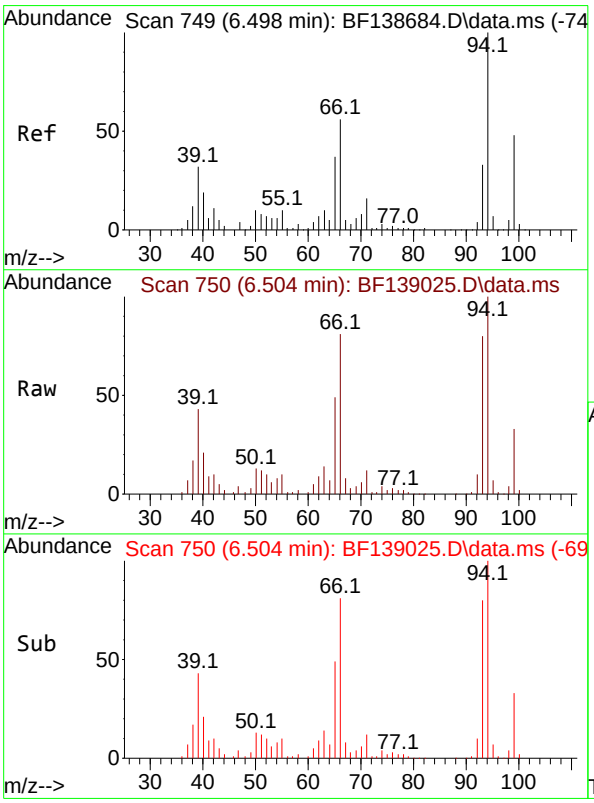
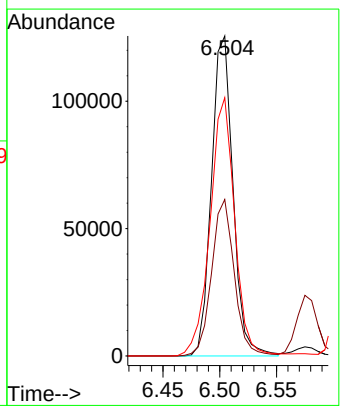
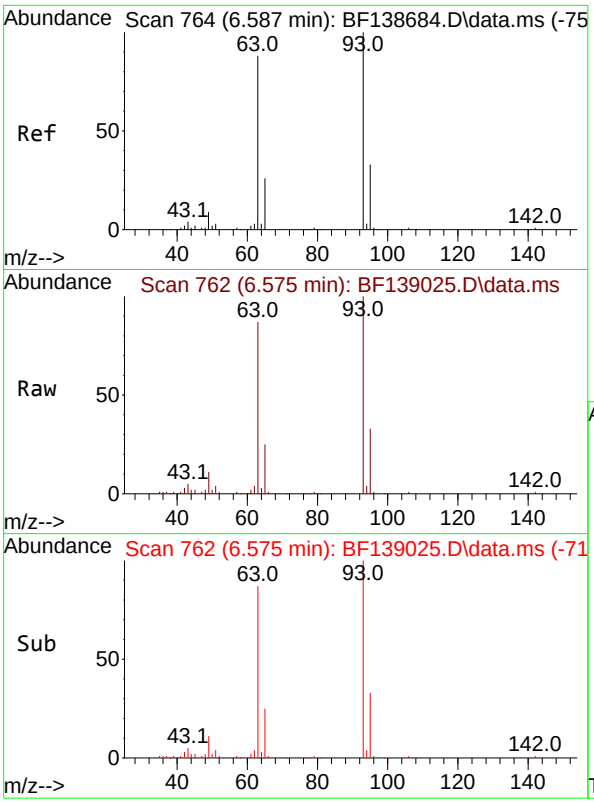


#10
Phenol
Concen: 39.123 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 94 Resp: 165513

Ion	Ratio	Lower	Upper
94	100		
65	48.9	16.9	56.9
66	80.7	36.5	76.5#

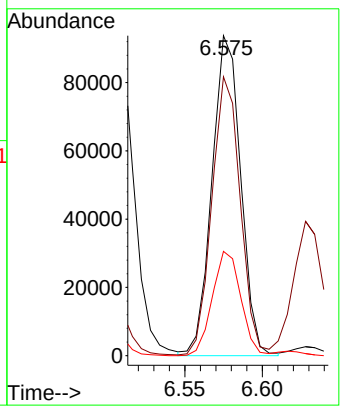




#11
bis(2-Chloroethyl)ether
Concen: 37.146 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 93 Resp: 12093

Ion	Ratio	Lower	Upper
93	100		
63	87.2	65.3	105.3
95	32.6	12.4	52.4



Instrument :
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ClientSampleId :
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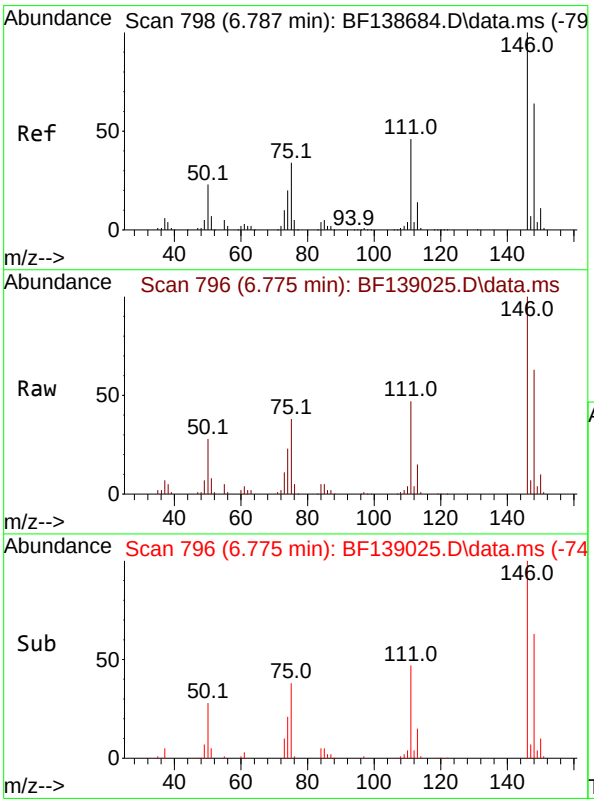
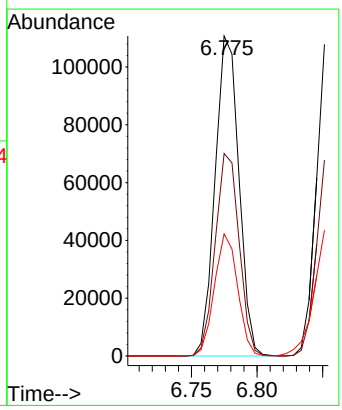
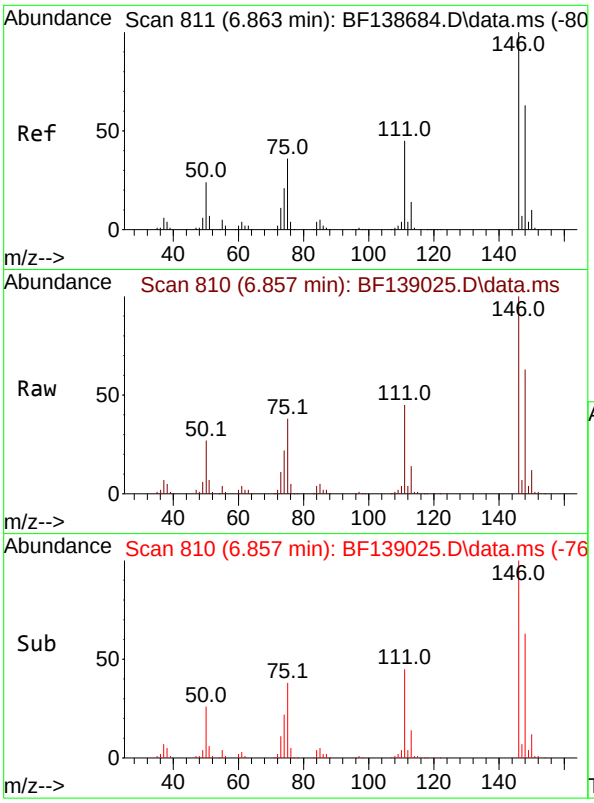


#12
1,3-Dichlorobenzene
Concen: 39.599 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:146 Resp: 139572

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.2	76.8
75	38.1	27.4	41.2

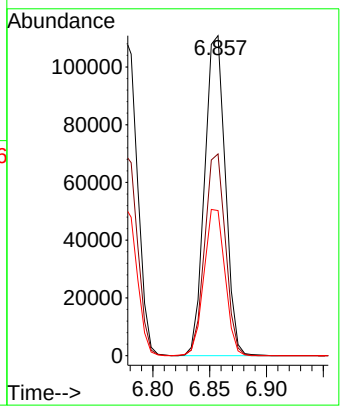




#13
1,4-Dichlorobenzene
Concen: 39.427 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:146 Resp: 14024

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	45.4	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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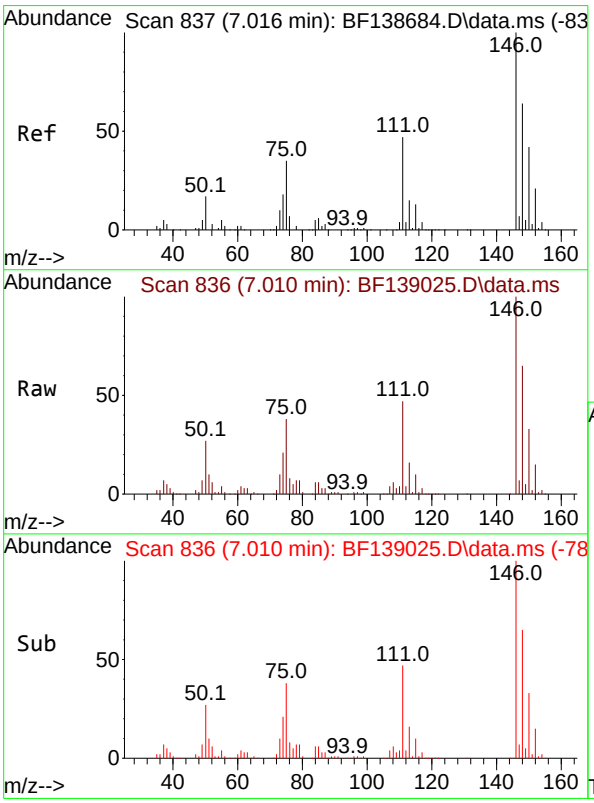
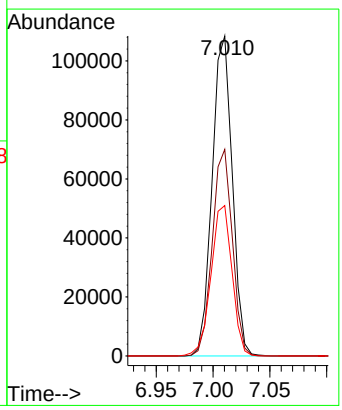
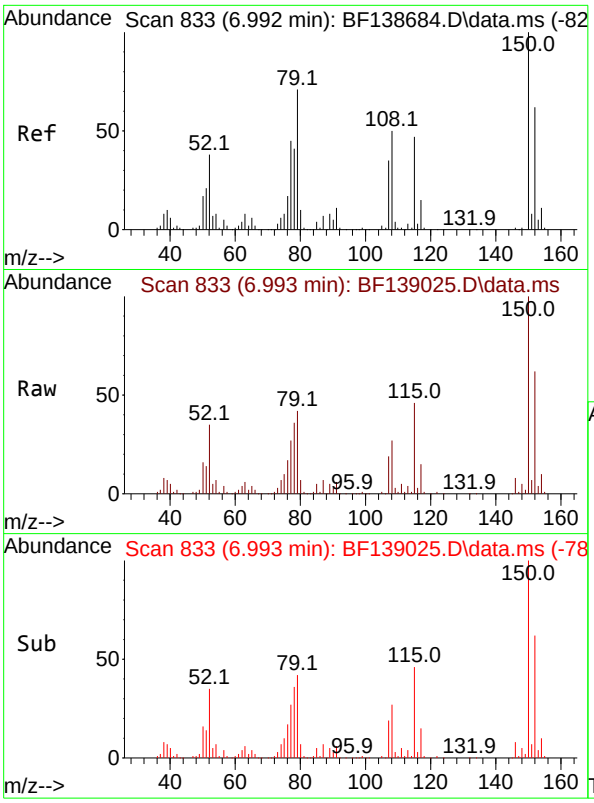


#14
1,2-Dichlorobenzene
Concen: 40.196 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:146 Resp: 133623

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.8	76.2
111	47.0	37.4	56.2

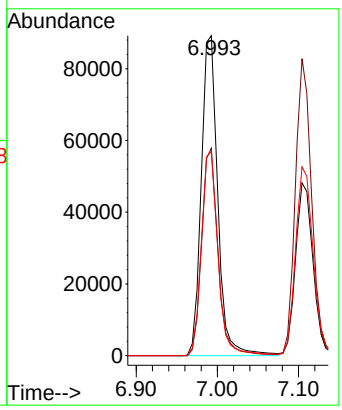




#15
Benzyl Alcohol
Concen: 43.408 ng
RT: 6.993 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 79 Resp: 12571

Ion	Ratio	Lower	Upper
79	100		
108	64.8	56.6	85.0
77	63.9	50.3	75.5



Instrument :
BNA_F
ClientSampleId :
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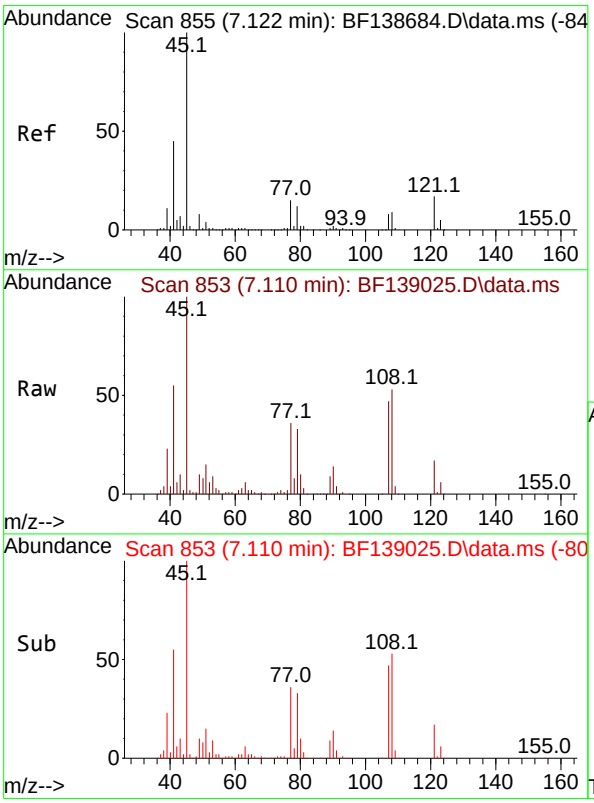
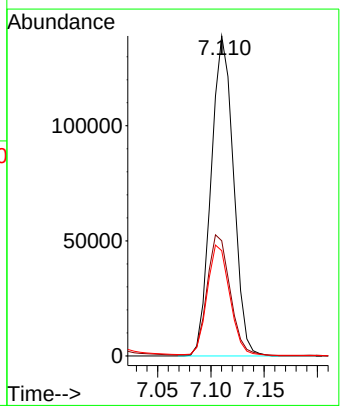
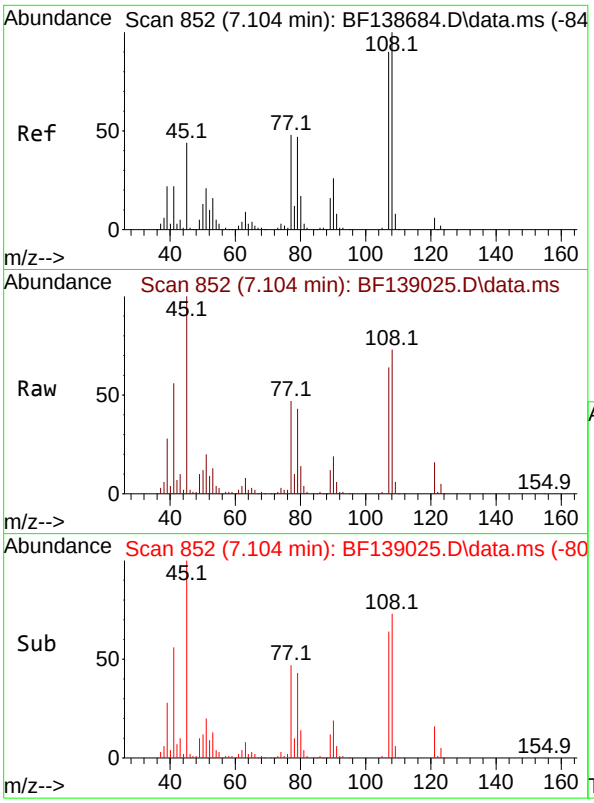


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.343 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 45 Resp: 203620

Ion	Ratio	Lower	Upper
45	100		
77	36.0	0.0	34.9#
79	32.9	0.0	32.2#





#17
2-Methylphenol
Concen: 38.983 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:107 Resp: 10135

Ion	Ratio	Lower	Upper
107	100		
108	114.2	89.2	133.8
77	72.6	43.0	64.4#
79	66.4	42.2	63.2#

Instrument :
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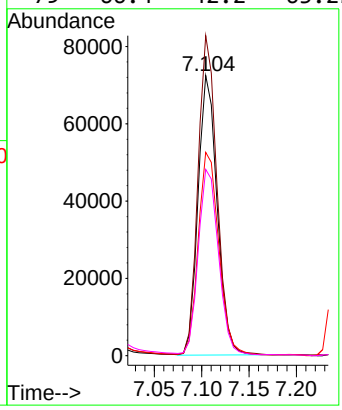
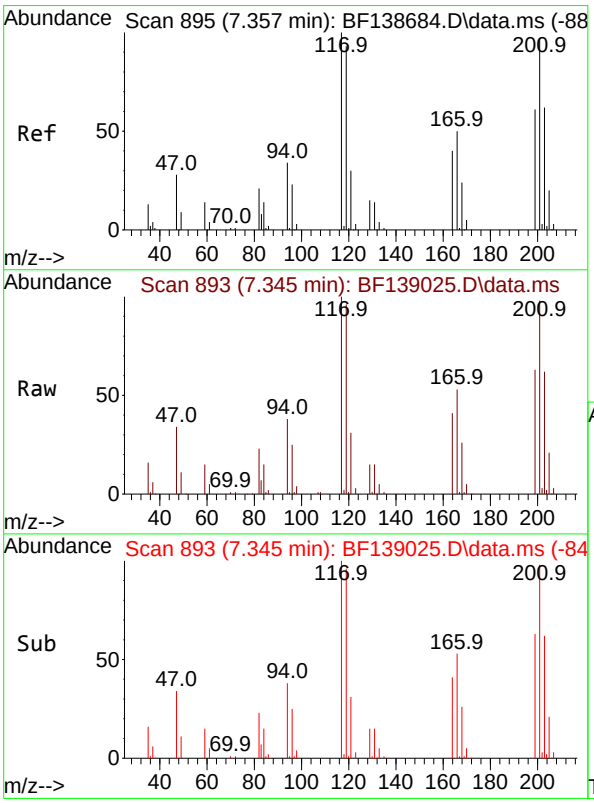
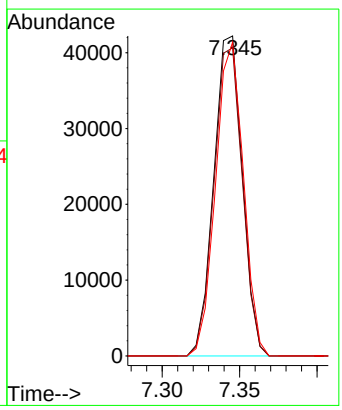


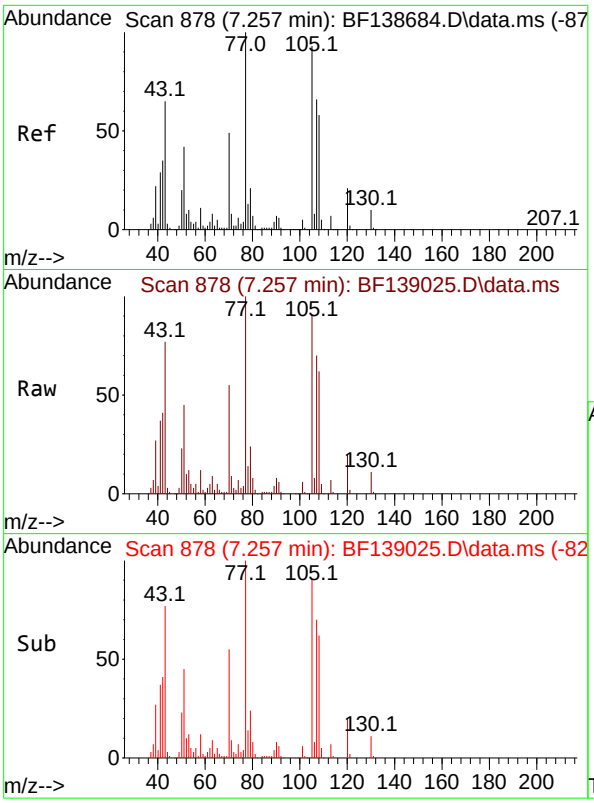


#18
Hexachloroethane
Concen: 40.423 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:117 Resp: 54124

Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.6	111.8
201	98.1	77.2	115.8

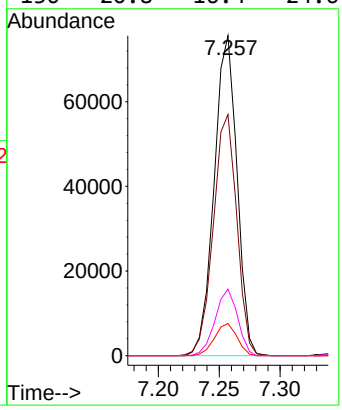




#19
n-Nitroso-di-n-propylamine
Concen: 40.737 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 70 Resp: 9886

Ion	Ratio	Lower	Upper
70	100		
42	75.3	57.4	86.0
101	10.0	7.5	11.3
130	20.8	16.4	24.6



Instrument :
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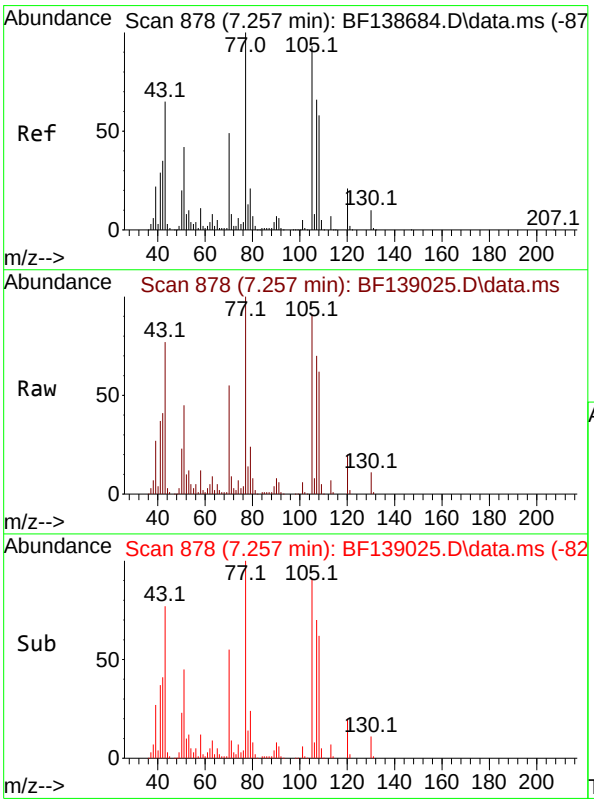
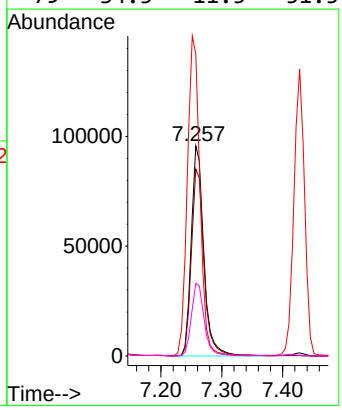
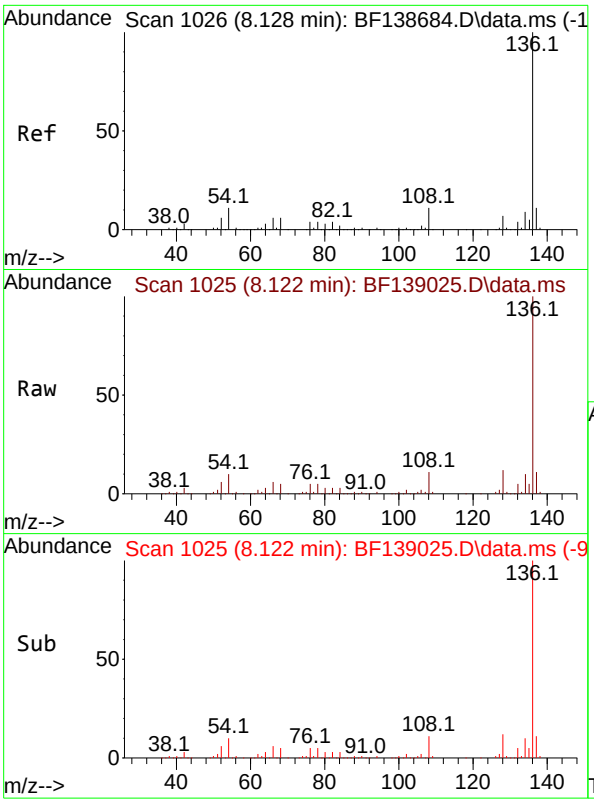


#20
3+4-Methylphenols
Concen: 41.195 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:107 Resp: 137424

Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.2	108.2
77	143.7	132.1	172.1
79	34.5	11.5	51.5

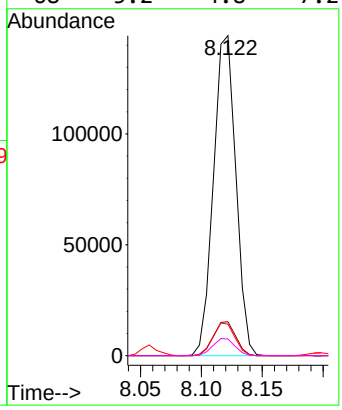




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:136 Resp: 18523

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.9	8.6	12.8
68	5.2	4.8	7.2



Instrument :
BNA_F
ClientSampleId :
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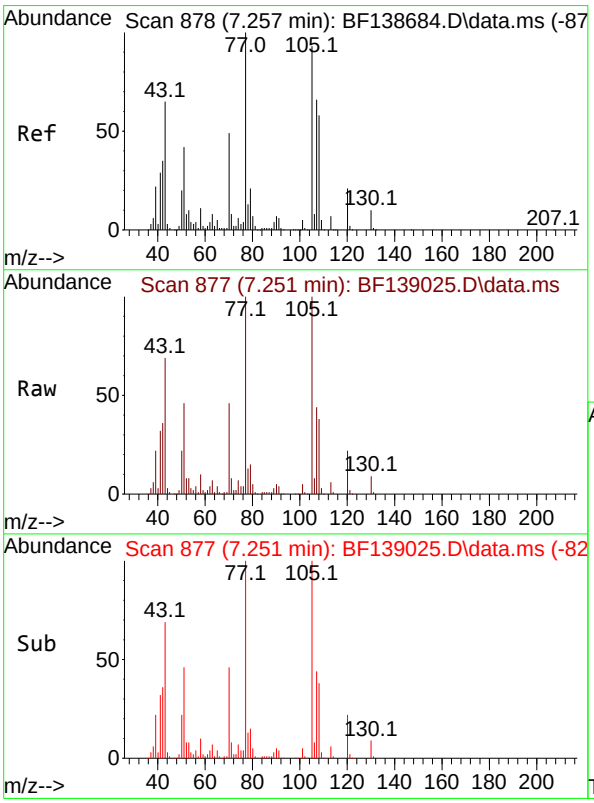
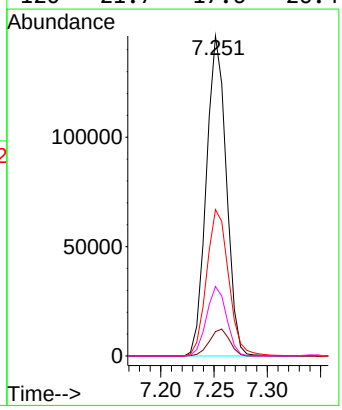
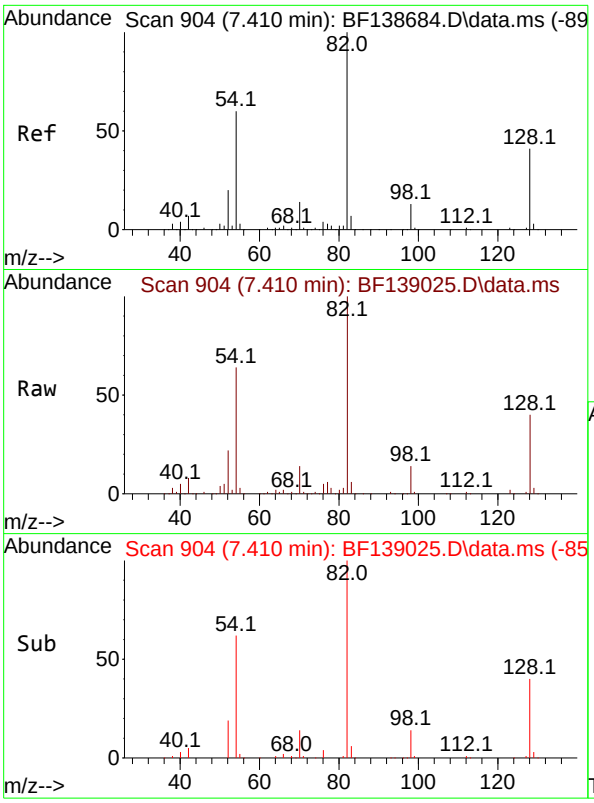


#22
Acetophenone
Concen: 42.049 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:105 Resp: 190713

Ion	Ratio	Lower	Upper
105	100		
71	7.6	7.2	10.8
51	45.8	35.9	53.9
120	21.7	17.6	26.4

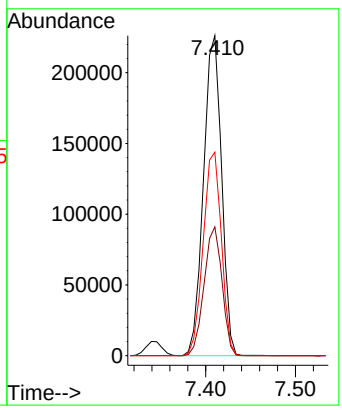




#23
Nitrobenzene-d5
Concen: 83.551 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 82 Resp: 31654

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	63.6	48.3	72.5



Instrument :
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ClientSampleId :
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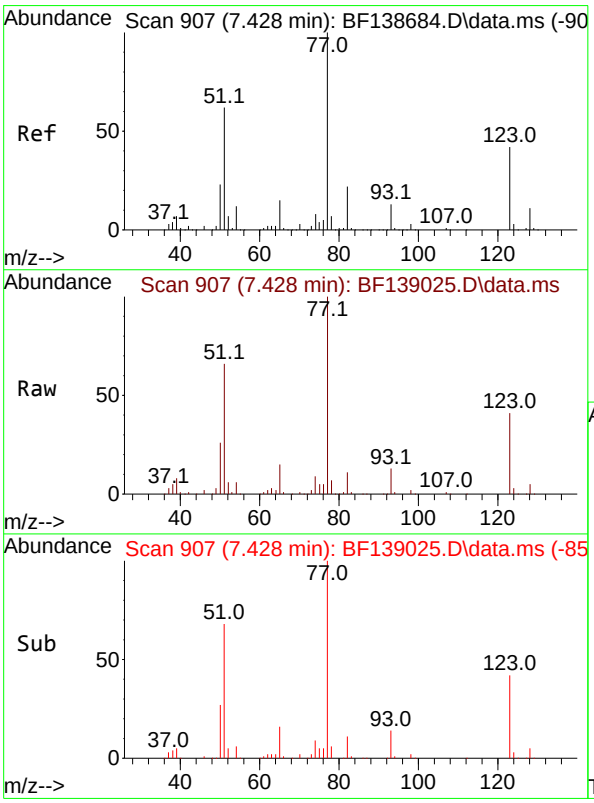
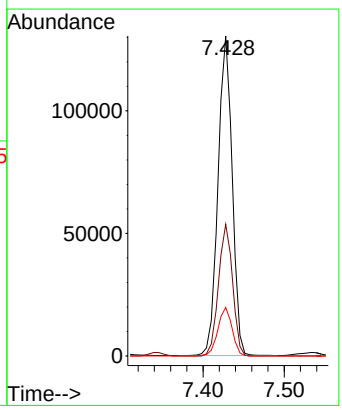
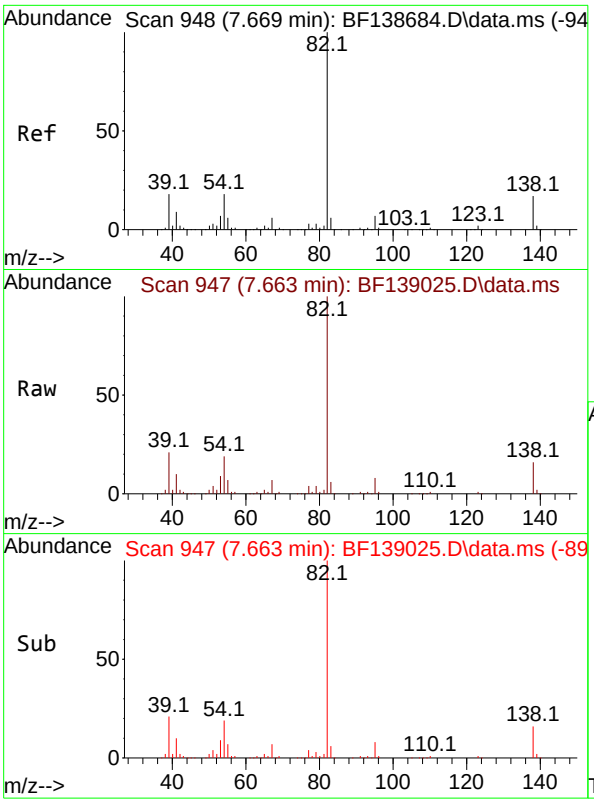


#24
Nitrobenzene
Concen: 41.199 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 77 Resp: 158834

Ion	Ratio	Lower	Upper
77	100		
123	41.2	33.3	49.9
65	15.2	11.9	17.9

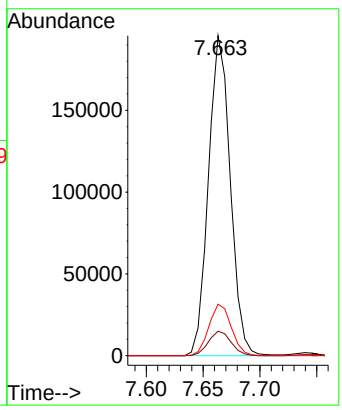




#25
Isophorone
Concen: 40.481 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 82 Resp: 26188

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.7	8.5
138	16.1	13.7	20.5



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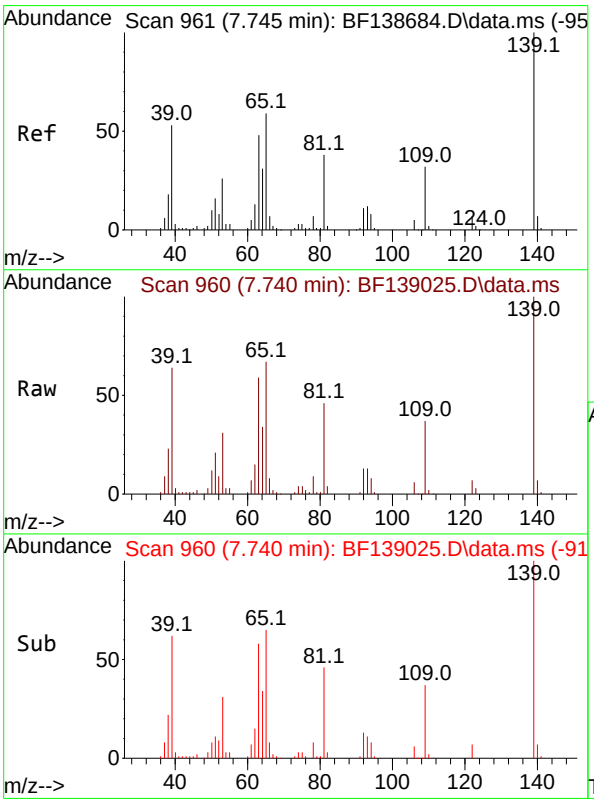
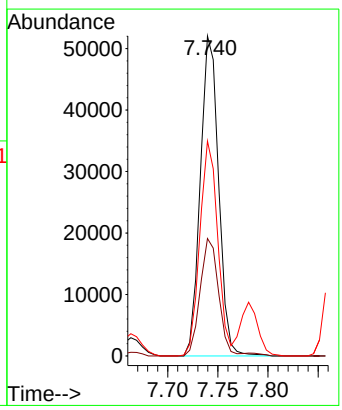
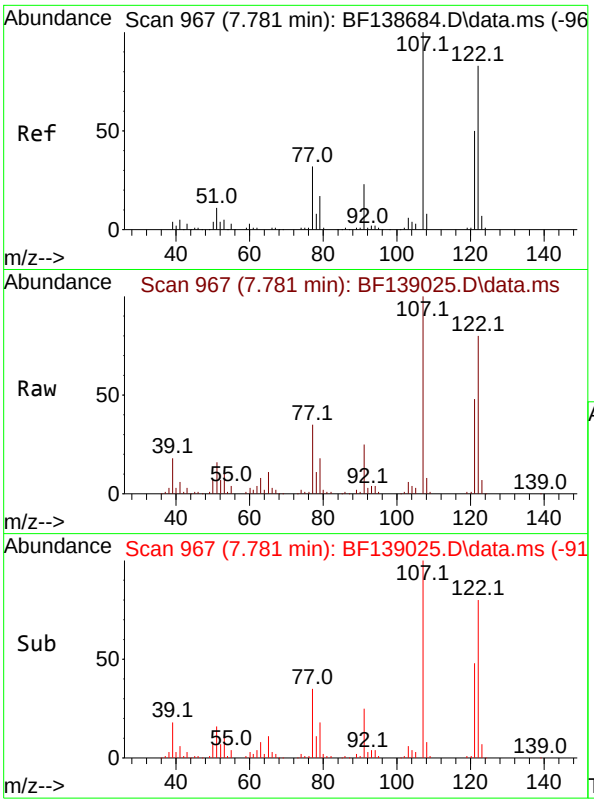


#26
2-Nitrophenol
Concen: 39.880 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:139 Resp: 66148

Ion	Ratio	Lower	Upper
139	100		
109	36.7	25.9	38.9
65	67.1	47.0	70.6

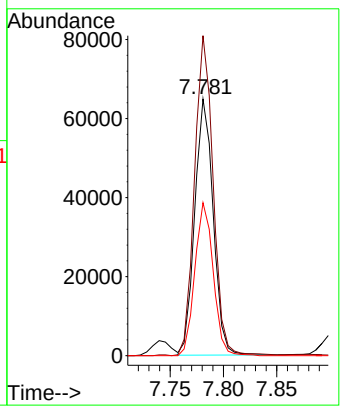




#27
2,4-Dimethylphenol
Concen: 39.450 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:122 Resp: 7829

Ion	Ratio	Lower	Upper
122	100		
107	124.7	95.0	142.6
121	59.6	47.3	70.9



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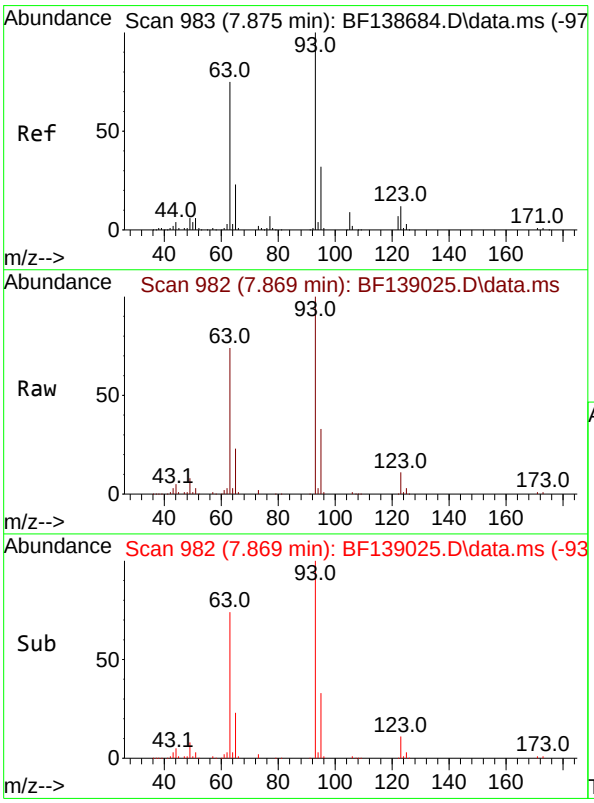
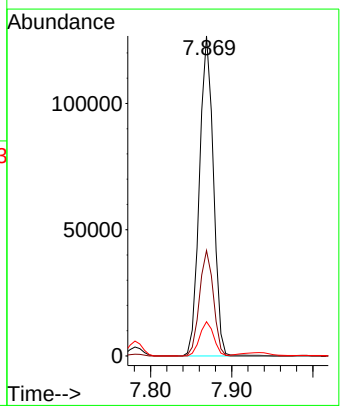
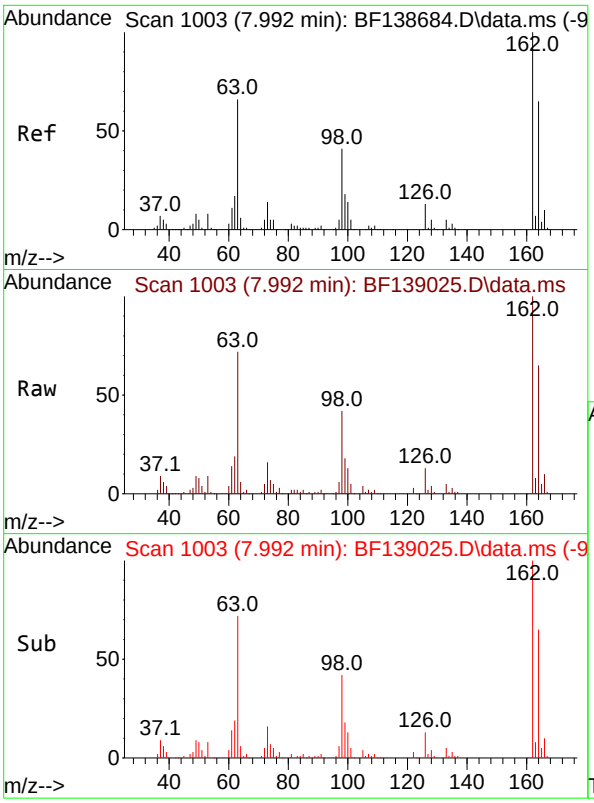


#28
bis(2-Chloroethoxy)methane
Concen: 38.429 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 93 Resp: 151398

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	10.7	9.4	14.0

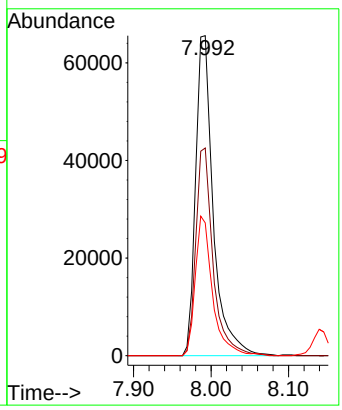




#29
2,4-Dichlorophenol
Concen: 40.648 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:162 Resp: 10365

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.7	84.7
98	41.5	20.8	60.8



Instrument :
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ClientSampleId :
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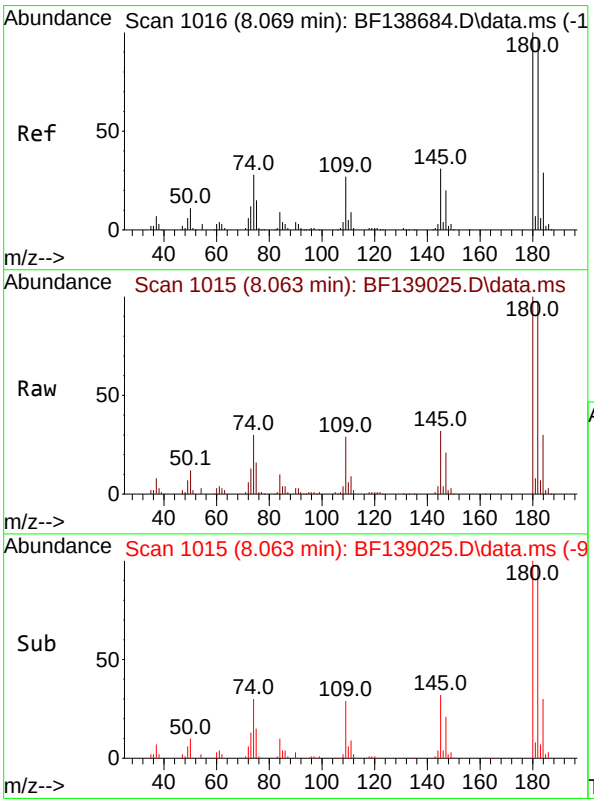
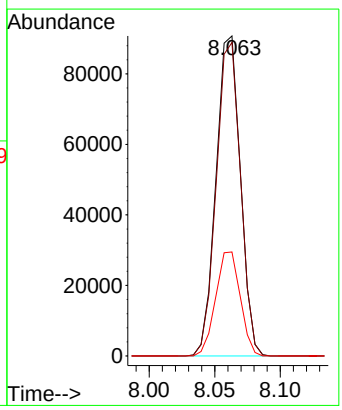
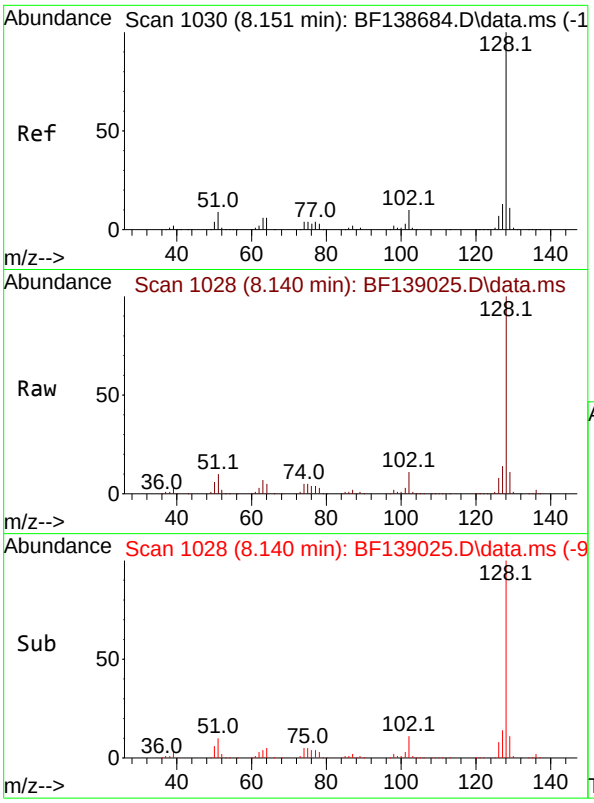


#30
1,2,4-Trichlorobenzene
Concen: 39.871 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:180 Resp: 117336

Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.9	115.3
145	32.5	25.0	37.4

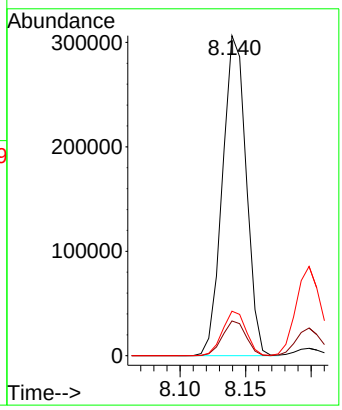




#31
Naphthalene
Concen: 39.521 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:128 Resp: 38533

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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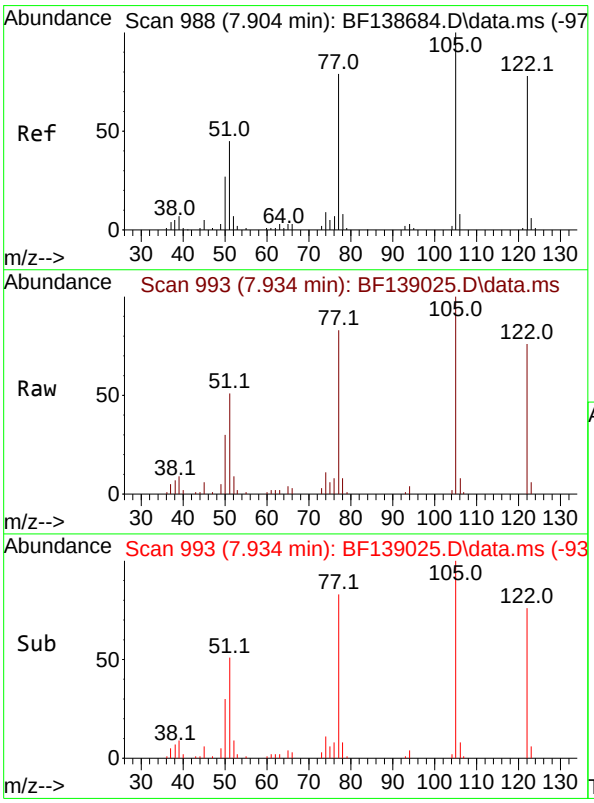
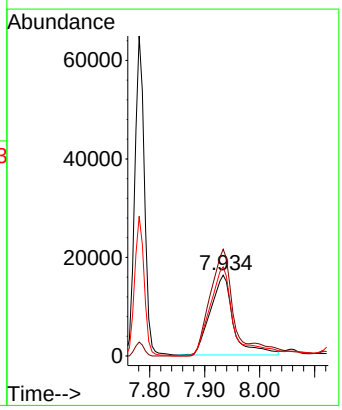
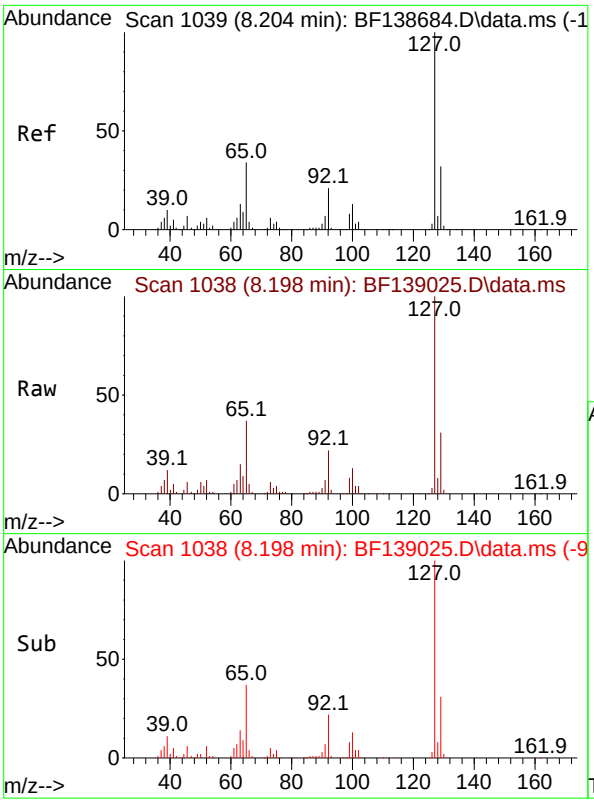


#32
Benzoic acid
Concen: 30.436 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:122 Resp: 47480

Ion	Ratio	Lower	Upper
122	100		
105	132.0	106.7	146.7
77	110.2	81.1	121.1

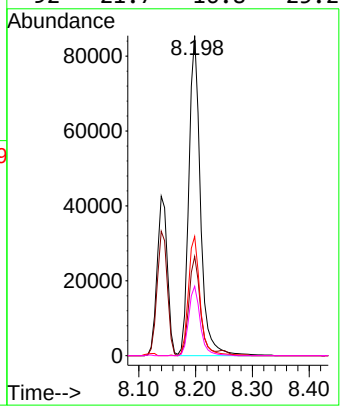




#33
4-Chloroaniline
Concen: 37.170 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:127 Resp: 12165

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.9	38.9
65	37.3	27.6	41.4
92	21.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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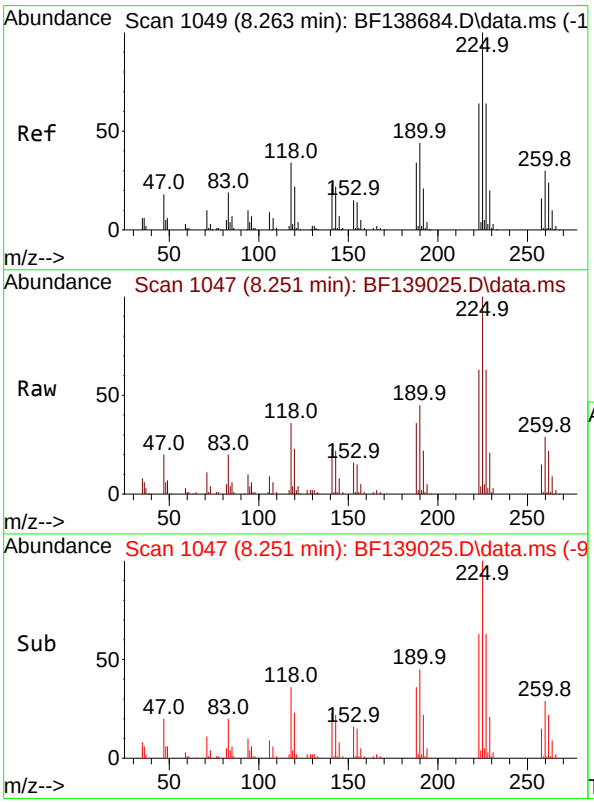
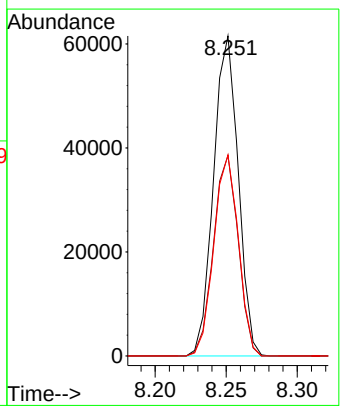
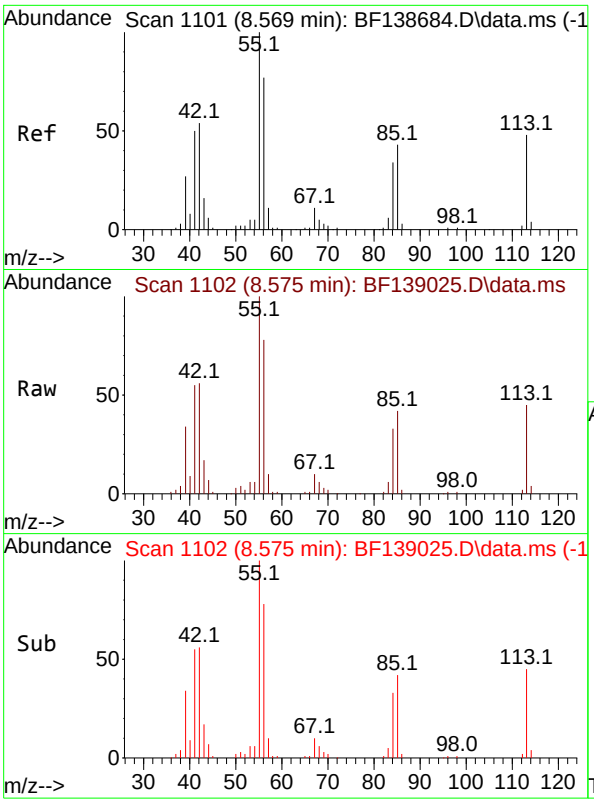


#34
Hexachlorobutadiene
Concen: 41.689 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:225 Resp: 74310

Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.2	76.8
227	62.8	51.1	76.7

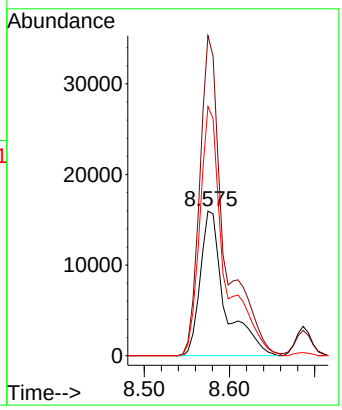




#35
Caprolactam
Concen: 42.453 ng
RT: 8.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:113 Resp: 3230

Ion	Ratio	Lower	Upper
113	100		
55	221.2	186.7	226.7
56	172.2	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
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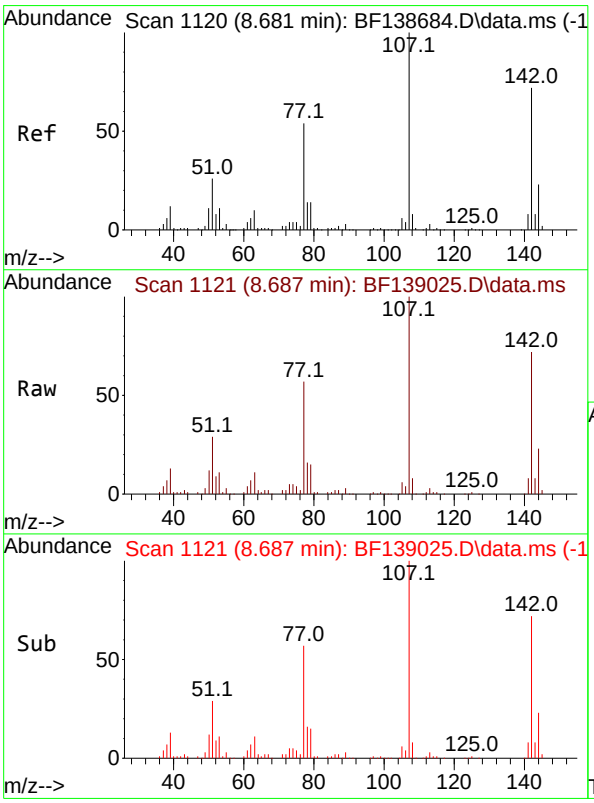
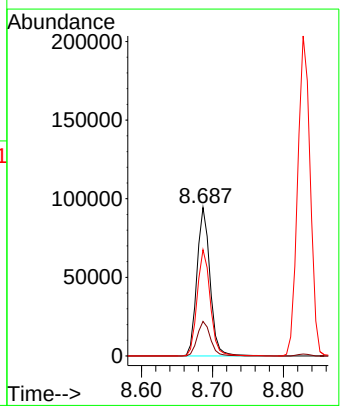
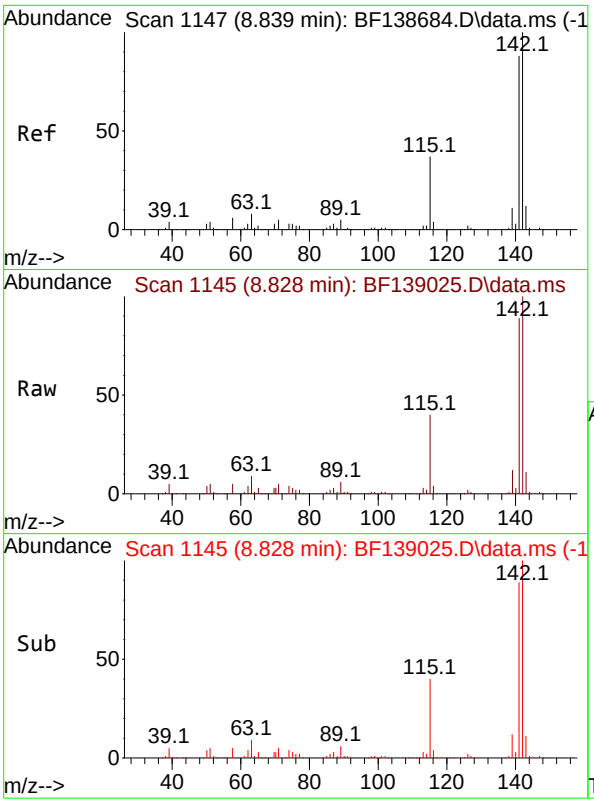


#36
4-Chloro-3-methylphenol
Concen: 41.678 ng
RT: 8.687 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:107 Resp: 121466

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.2	27.2
142	71.6	57.4	86.2

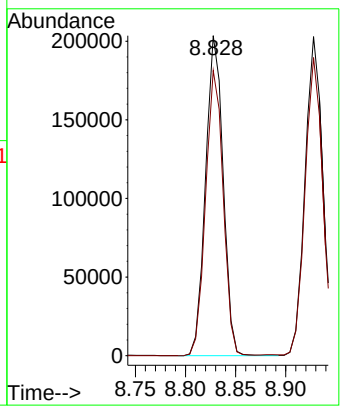




#37
2-Methylnaphthalene
Concen: 40.370 ng
RT: 8.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:142 Resp: 24858

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2



Instrument :
BNA_F
ClientSampleId :
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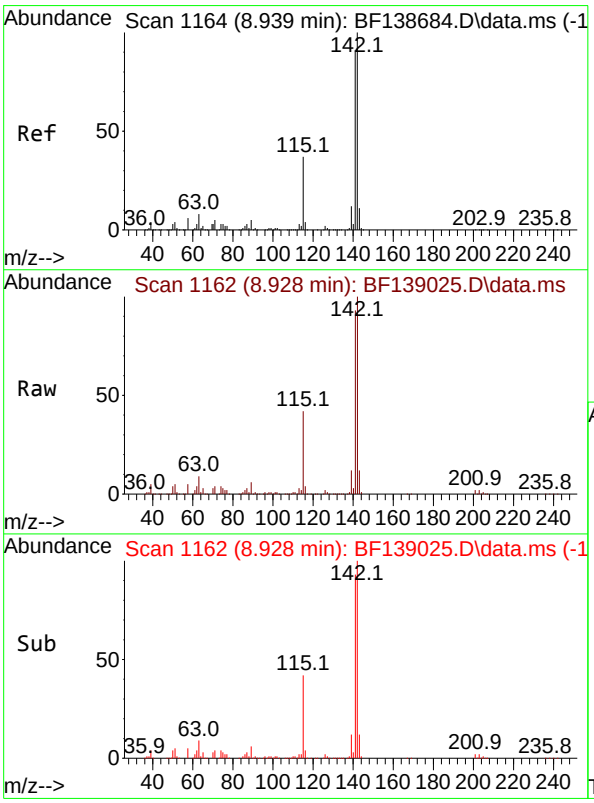
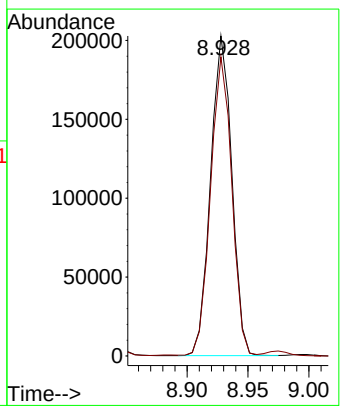
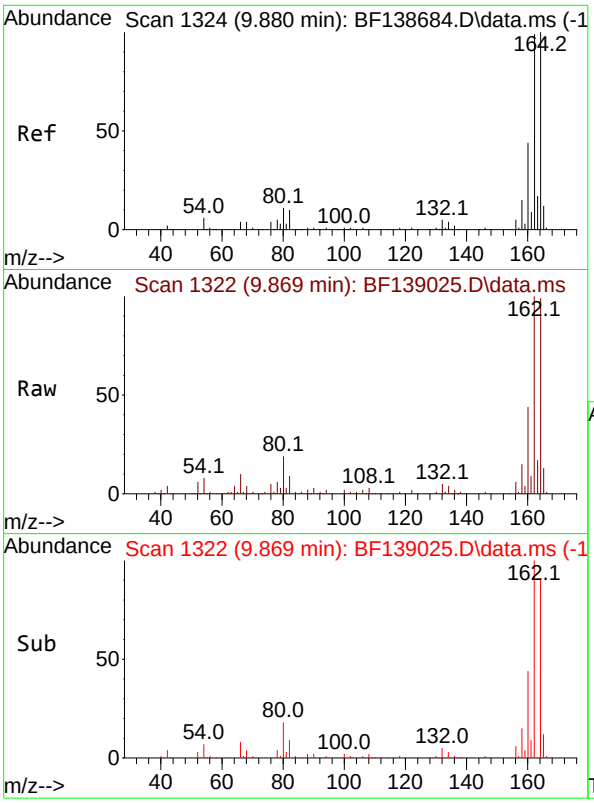


#38
1-Methylnaphthalene
Concen: 40.692 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:142 Resp: 245538

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.1	109.7

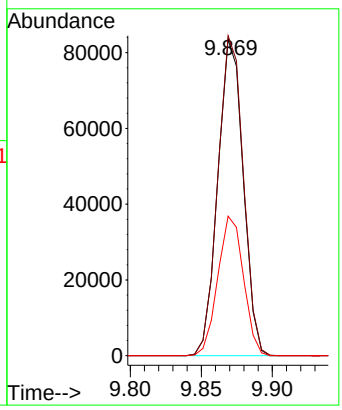




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:164 Resp: 10349

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.4	119.0
160	44.1	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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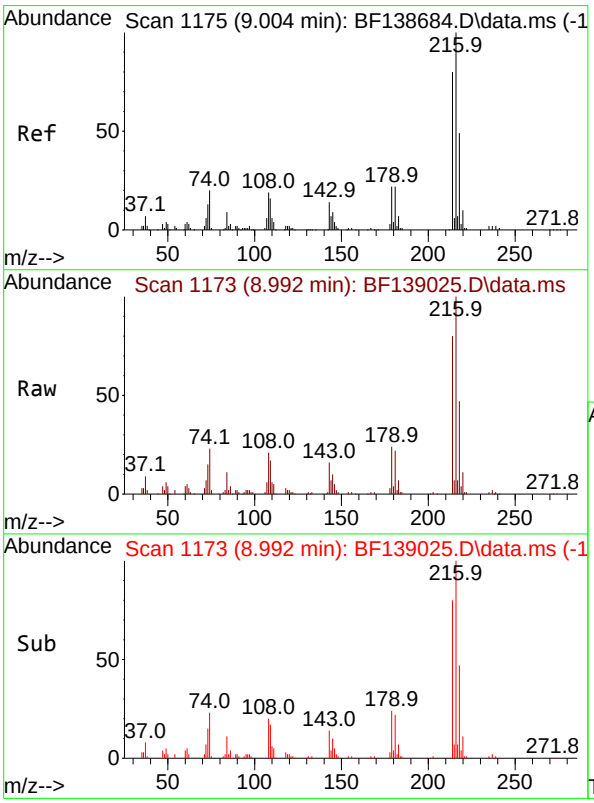
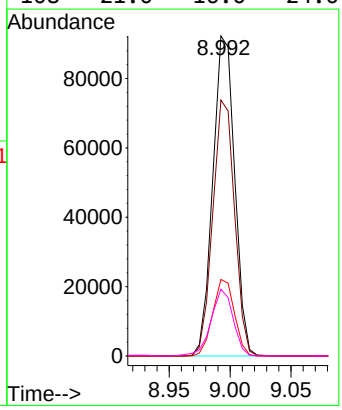
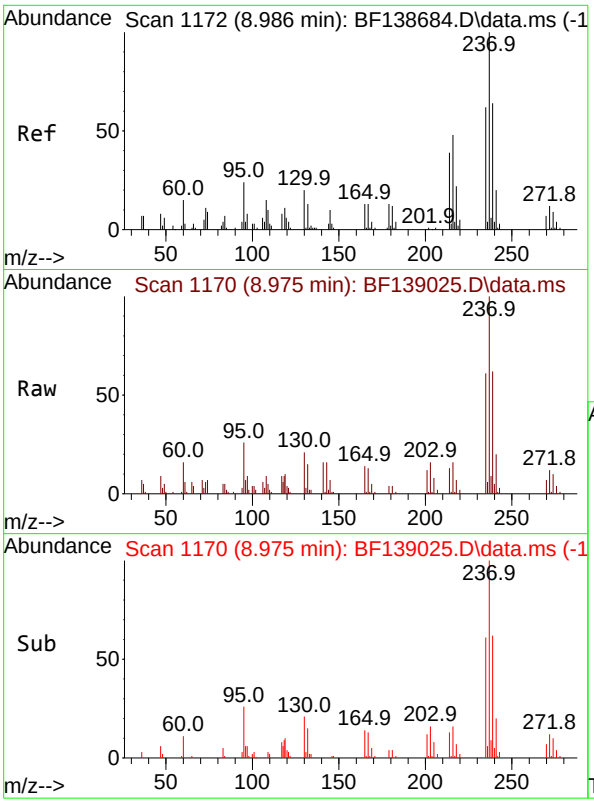


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.099 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:216 Resp: 115282

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.9	95.9
179	23.6	17.8	26.6
108	21.0	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 35.677 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:237 Resp: 2393

Ion	Ratio	Lower	Upper
237	100		
235	60.7	41.8	81.8
272	11.9	0.0	32.2

Instrument :
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ClientSampleId :
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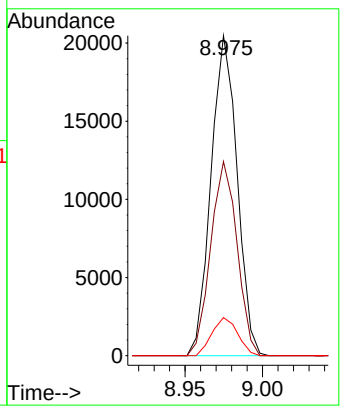
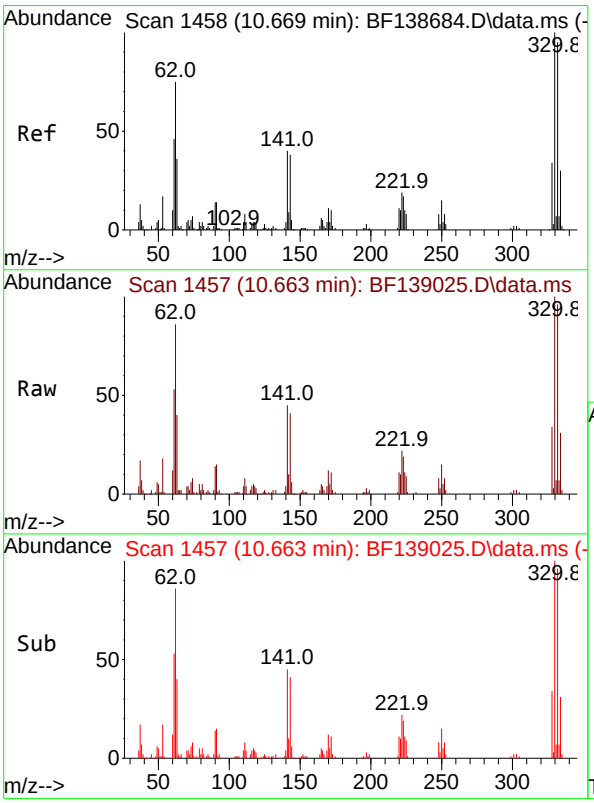
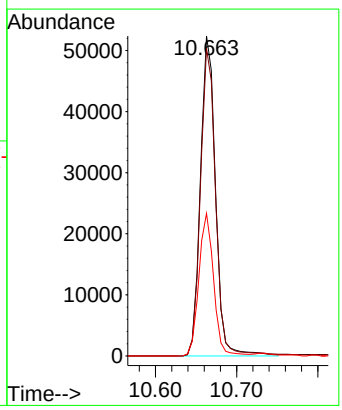


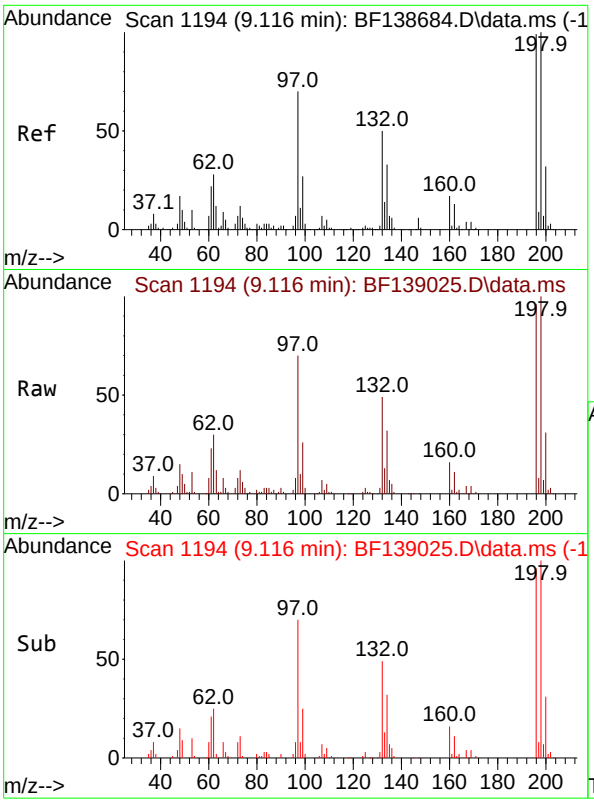


#42
2,4,6-Tribromophenol
Concen: 79.912 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:330 Resp: 67746

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.4	114.6
141	43.6	31.1	46.7

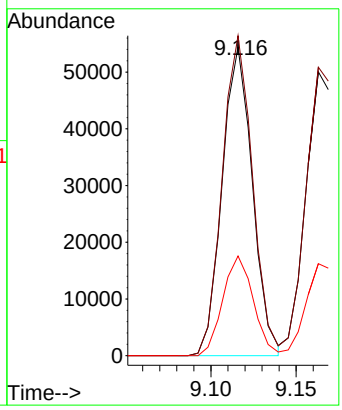




#43
2,4,6-Trichlorophenol
Concen: 38.342 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:196 Resp: 6720

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
200	32.3	25.9	38.9



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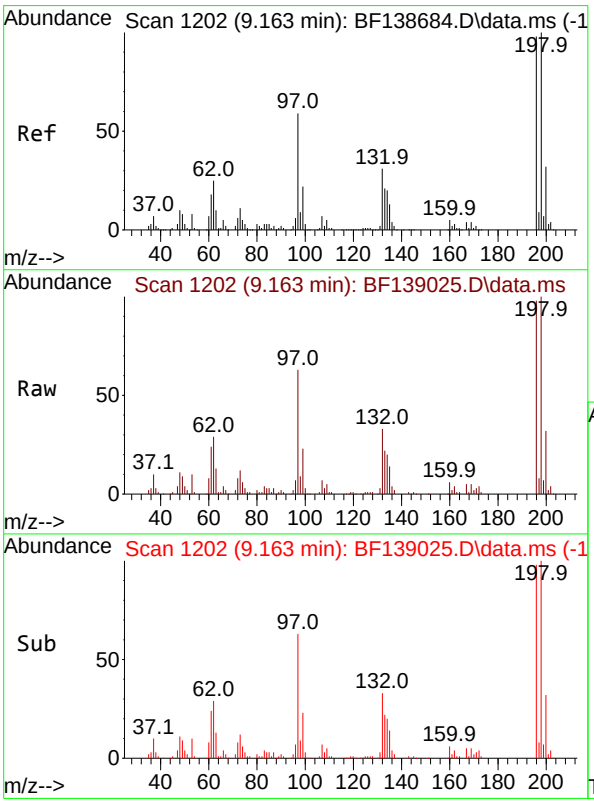
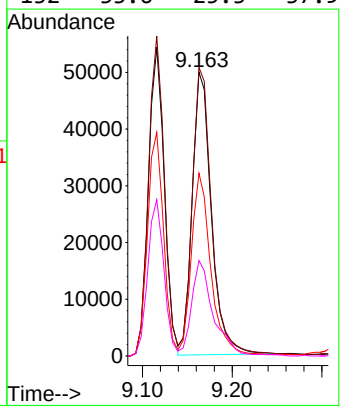
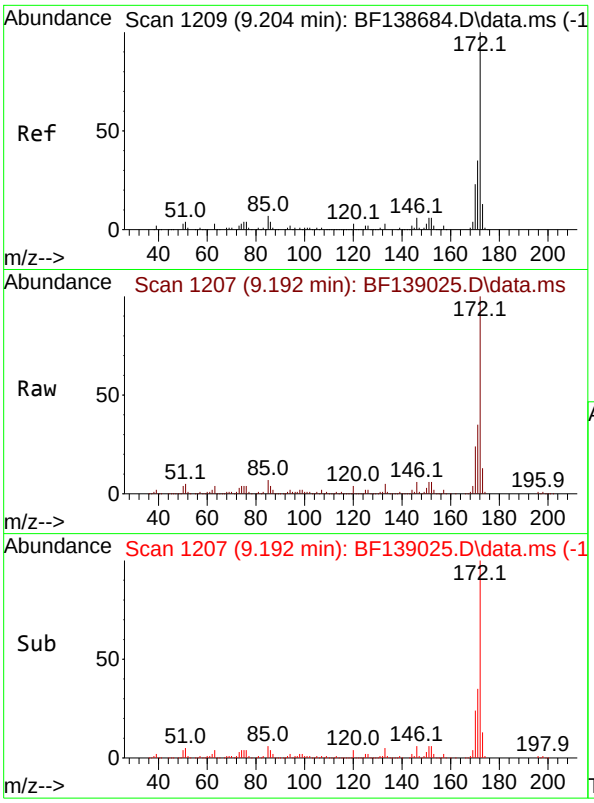


#44
2,4,5-Trichlorophenol
Concen: 38.511 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:196 Resp: 73797

Ion	Ratio	Lower	Upper
196	100		
198	101.6	81.2	121.8
97	64.4	47.8	71.6
132	33.6	25.3	37.9

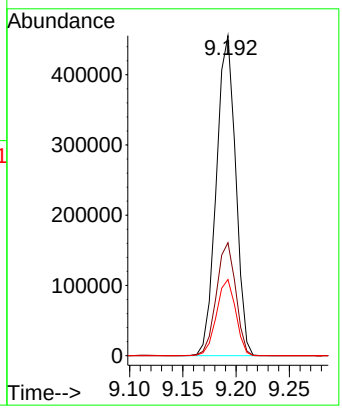




#45
2-Fluorobiphenyl
Concen: 83.230 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:172 Resp: 57329

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.8	18.8	28.2



Instrument :
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ClientSampleId :
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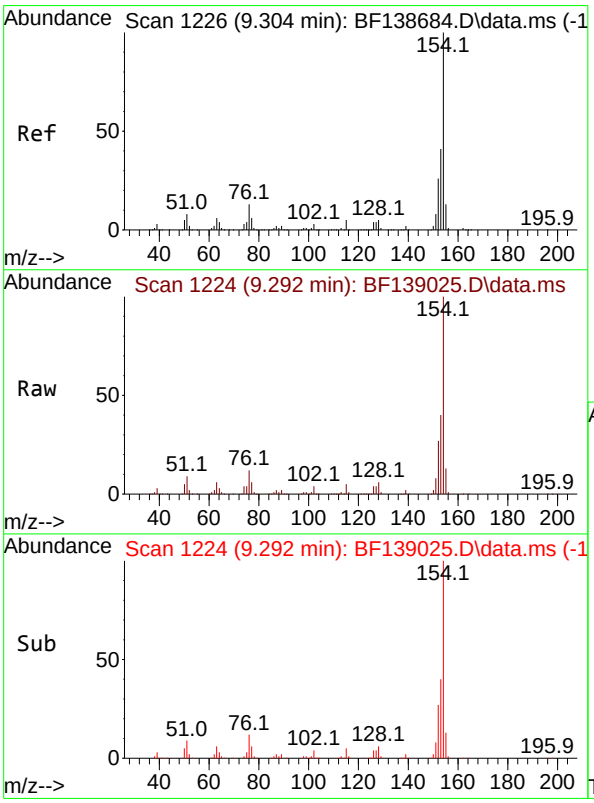
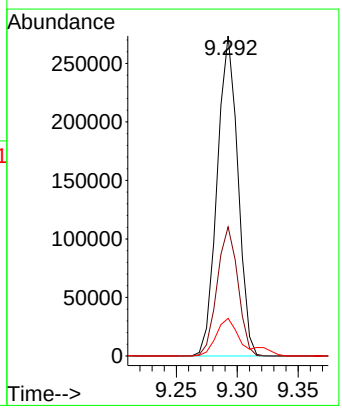
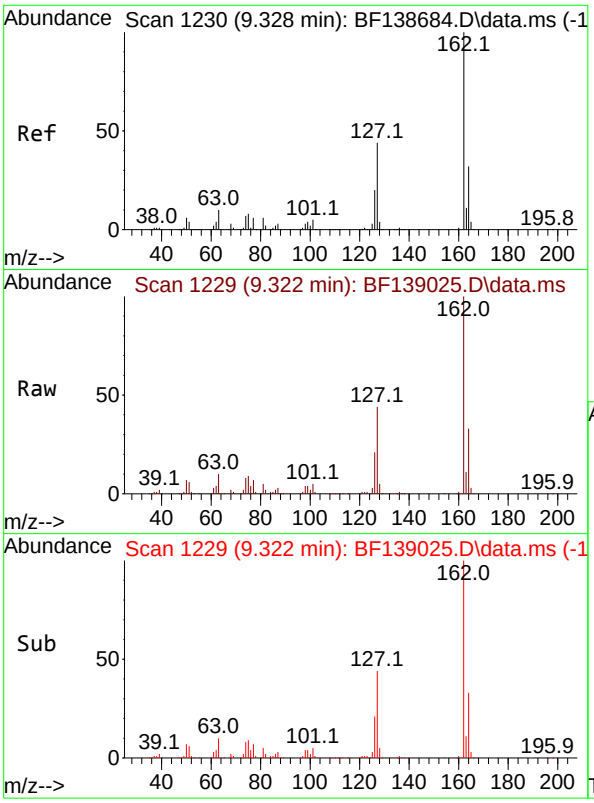


#46
1,1'-Biphenyl
Concen: 39.976 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:154 Resp: 324022

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.8	60.8
76	11.8	0.0	32.8

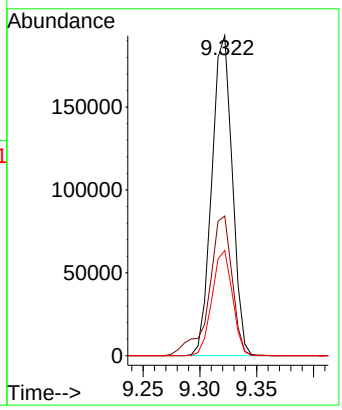




#47
2-Chloronaphthalene
Concen: 40.211 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:162 Resp: 24240

Ion	Ratio	Lower	Upper
162	100		
127	43.6	35.4	53.2
164	32.8	25.6	38.4



Instrument :
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ClientSampleId :
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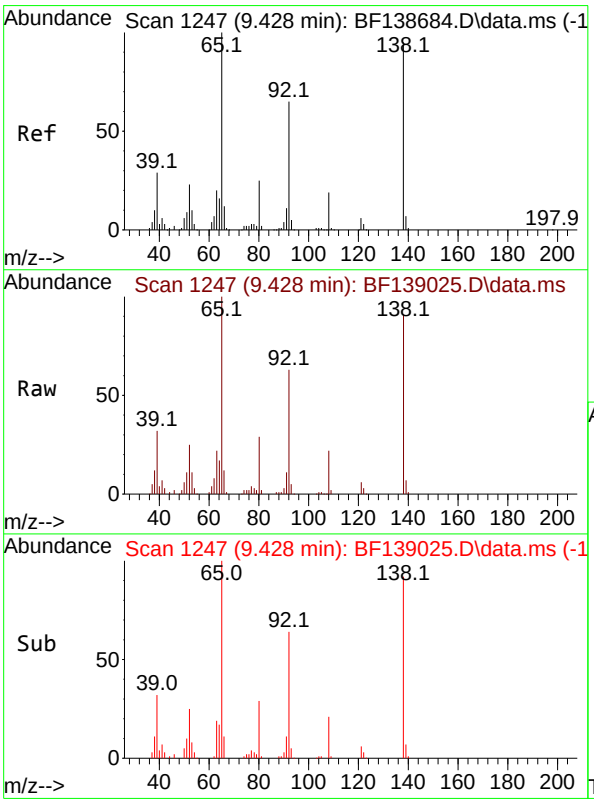
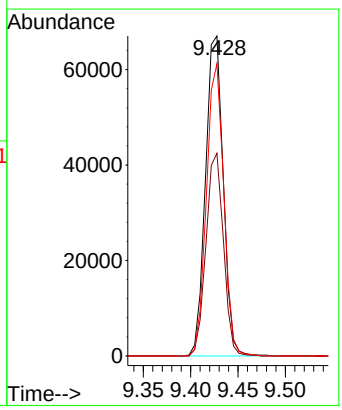
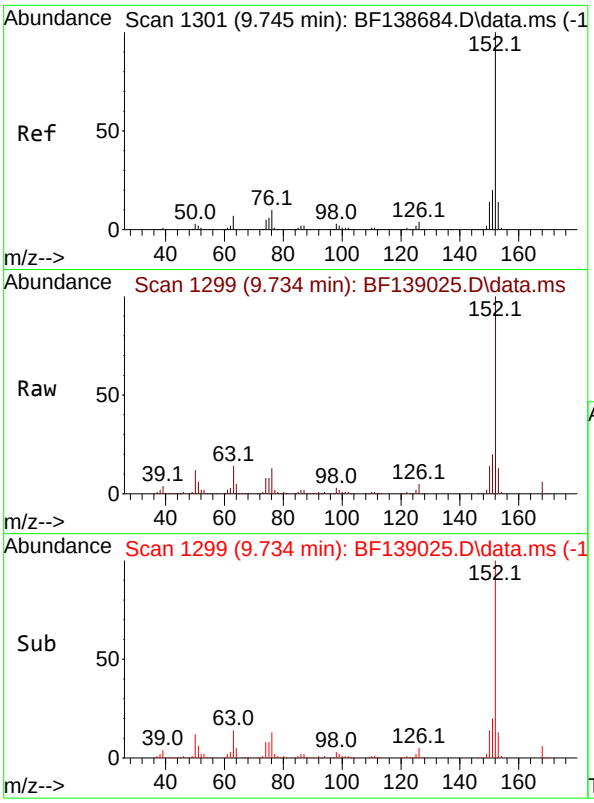


#48
2-Nitroaniline
Concen: 42.668 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 65 Resp: 87200

Ion	Ratio	Lower	Upper
65	100		
92	63.3	52.0	78.0
138	91.4	76.2	114.4

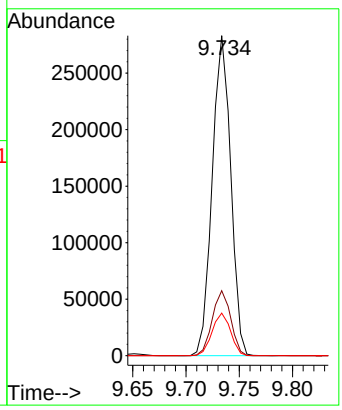




#49
Acenaphthylene
Concen: 39.913 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:152 Resp: 34125

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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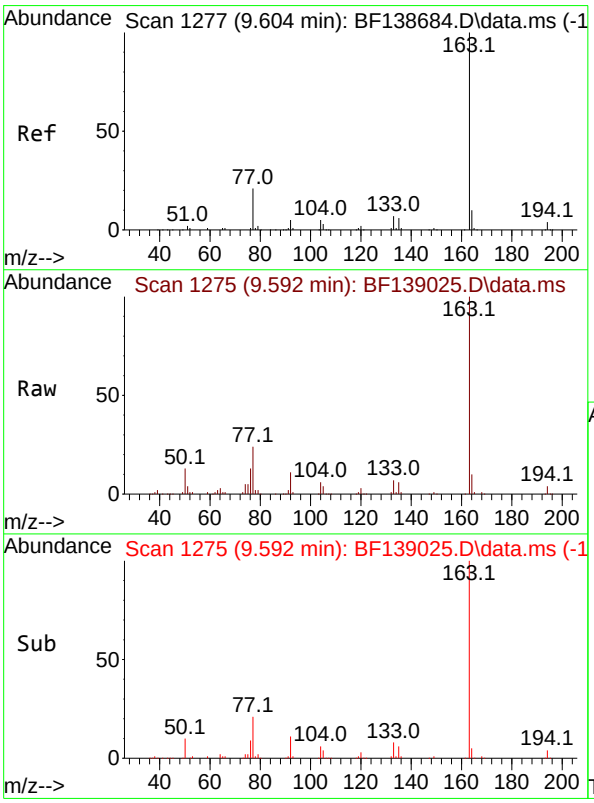
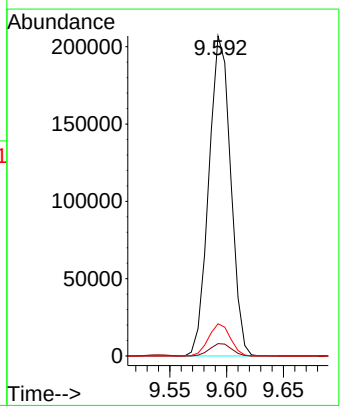
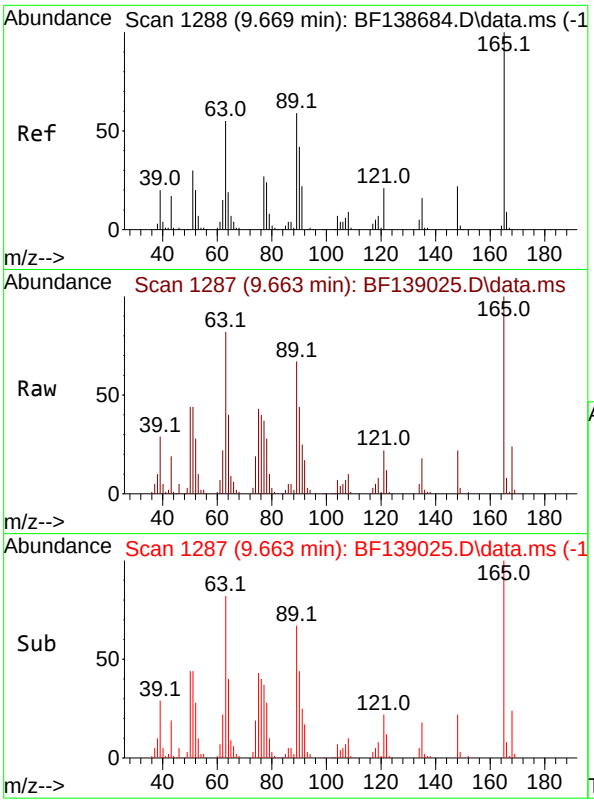


#50
Dimethylphthalate
Concen: 41.819 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:163 Resp: 276736

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.1	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 43.887 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:165 Resp: 6554

Ion	Ratio	Lower	Upper
165	100		
63	81.6	52.0	78.0
89	67.2	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
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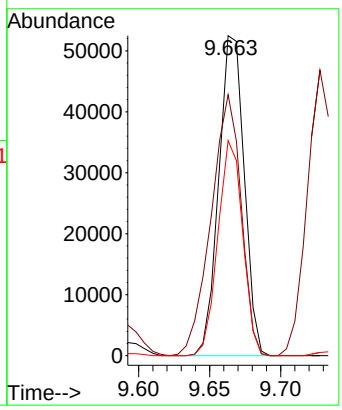
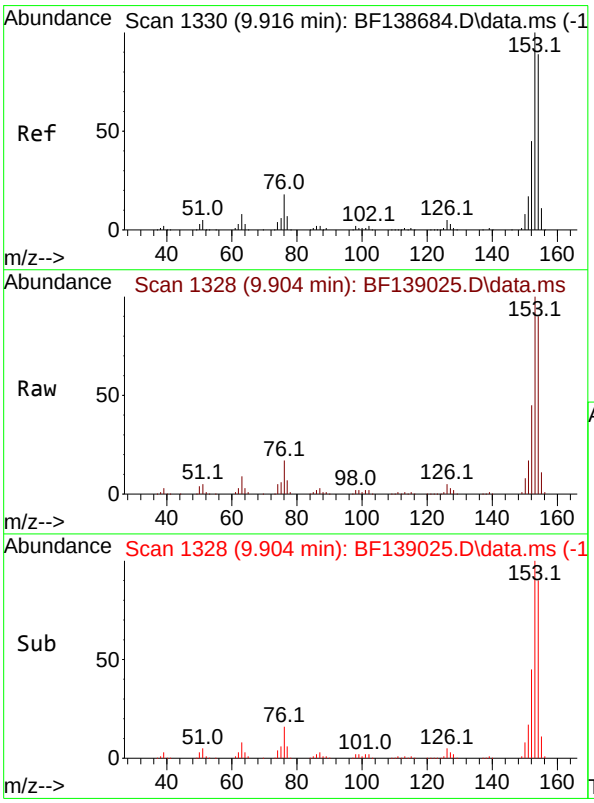
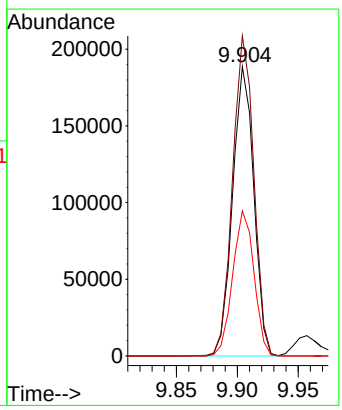


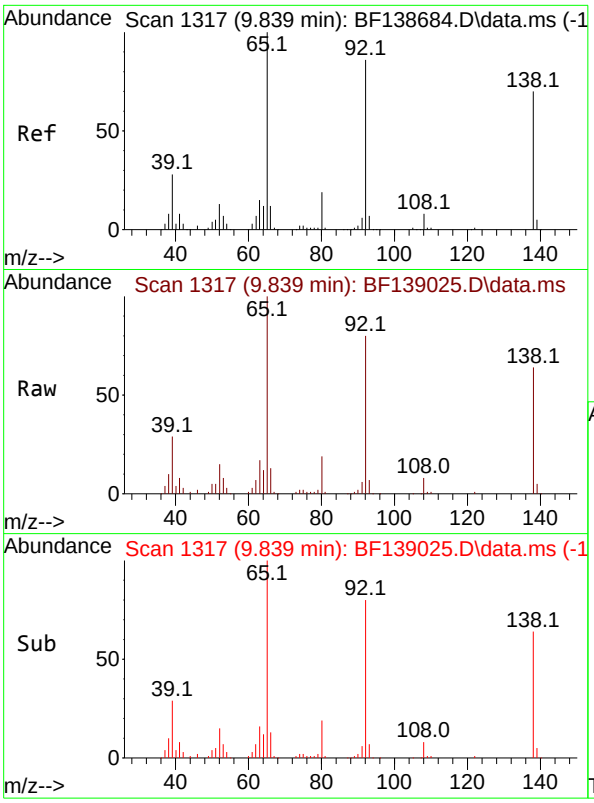


#52
Acenaphthene
Concen: 39.888 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:154 Resp: 229254

Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.9	134.9
152	50.2	40.6	60.8

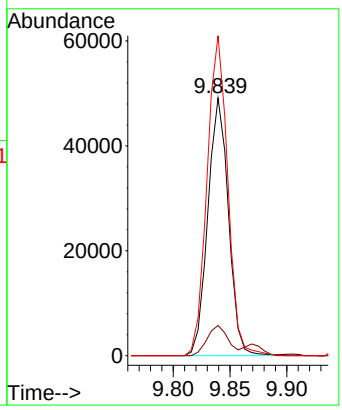




#53
3-Nitroaniline
Concen: 40.183 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:138 Resp: 6203

Ion	Ratio	Lower	Upper
138	100		
108	11.8	9.1	13.7
92	124.2	98.7	148.1



Instrument :
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ClientSampleId :
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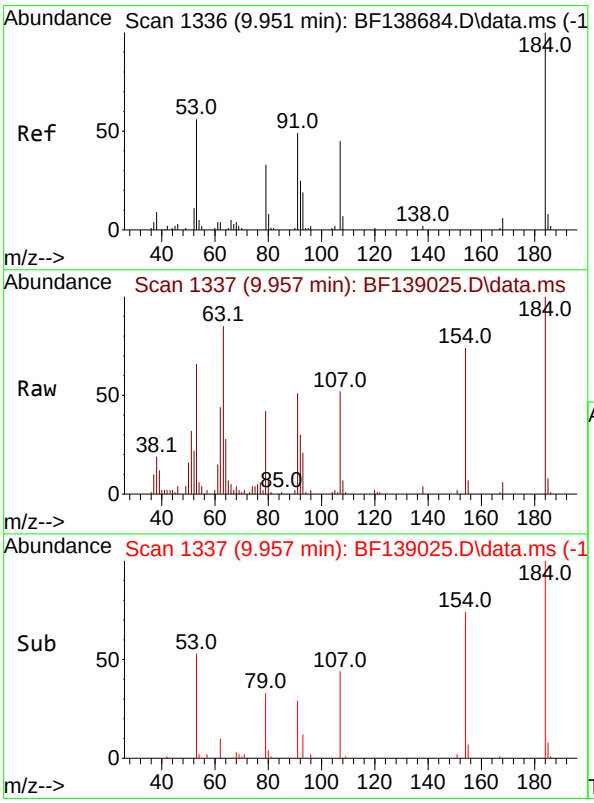
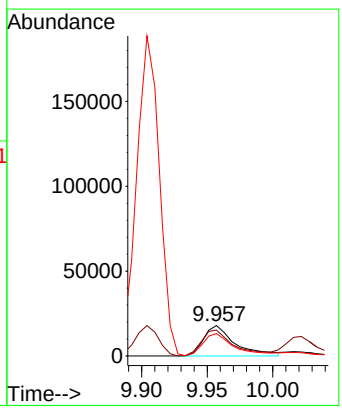
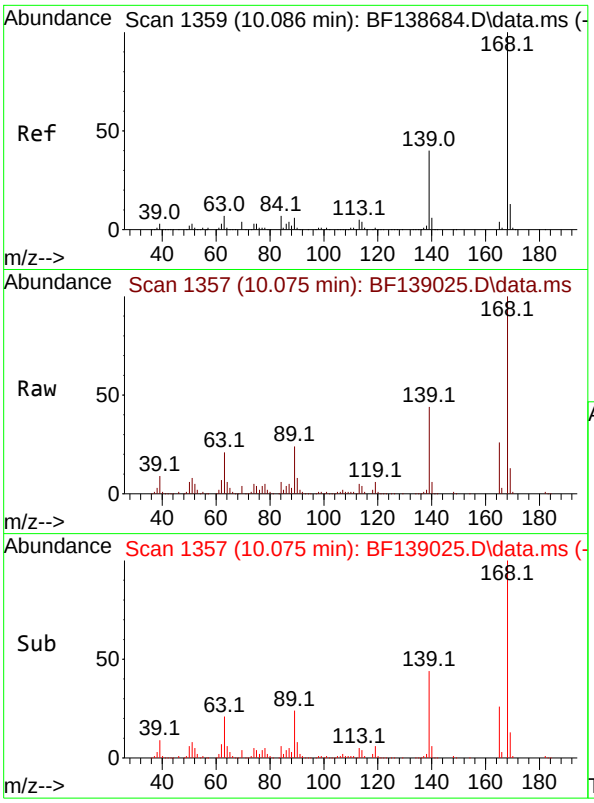


#54
2,4-Dinitrophenol
Concen: 43.390 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:184 Resp: 29830

Ion	Ratio	Lower	Upper
184	100		
63	85.4	57.5	86.3
154	73.9	51.7	77.5

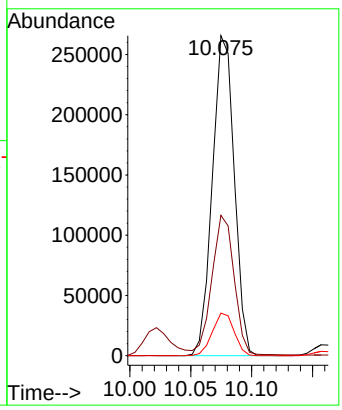




#55
Dibenzofuran
Concen: 40.893 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:168 Resp: 33176

Ion	Ratio	Lower	Upper
168	100		
139	43.9	32.6	49.0
169	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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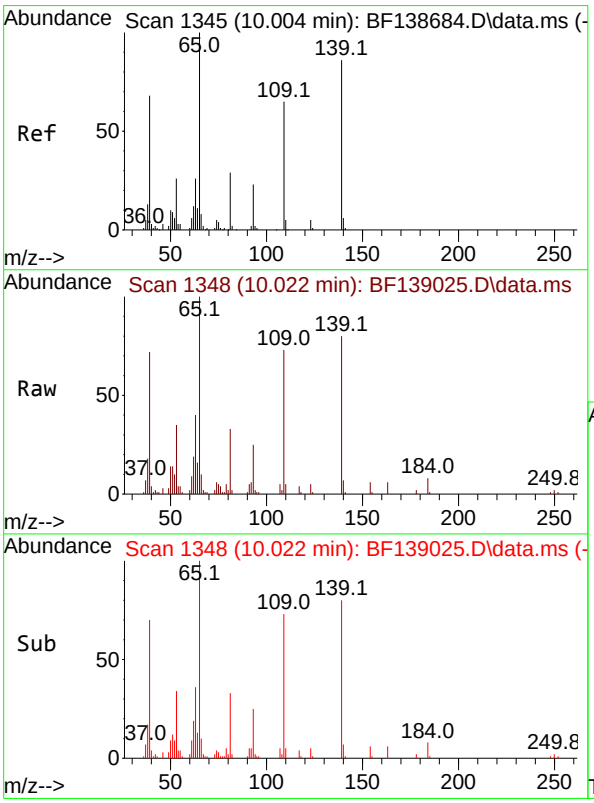
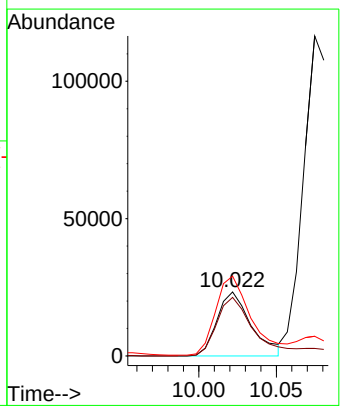
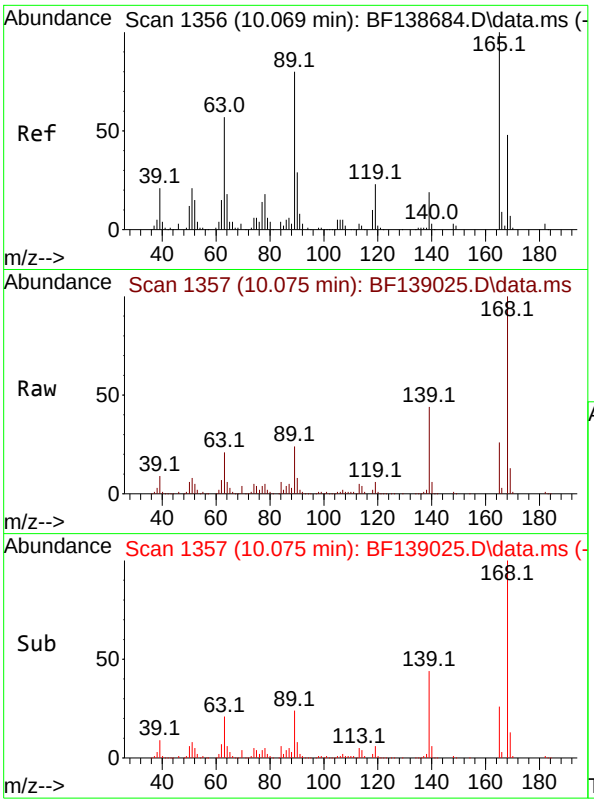


#56
4-Nitrophenol
Concen: 38.596 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:139 Resp: 35833

Ion	Ratio	Lower	Upper
139	100		
109	91.7	55.5	95.5
65	124.8	96.7	136.7

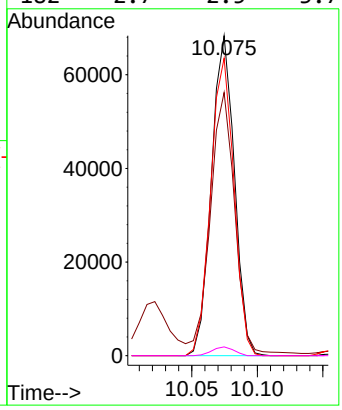




#57
2,4-Dinitrotoluene
Concen: 43.734 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:165 Resp: 8333

Ion	Ratio	Lower	Upper
165	100		
63	82.2	46.3	69.5#
89	92.9	64.2	96.4
182	2.7	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
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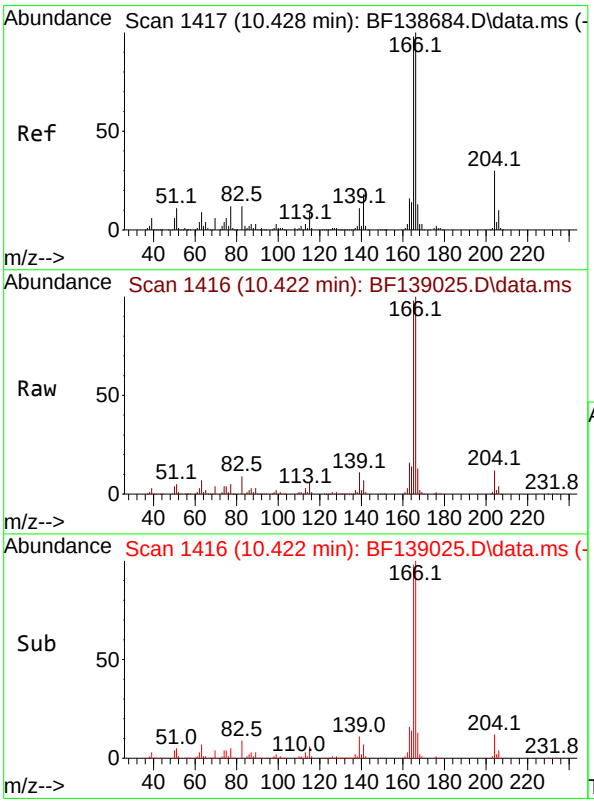
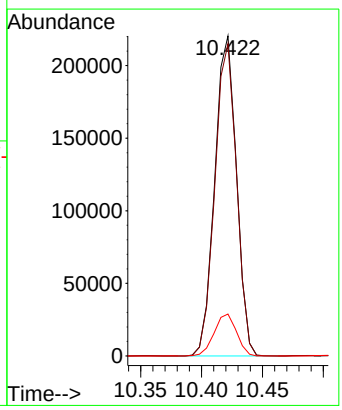
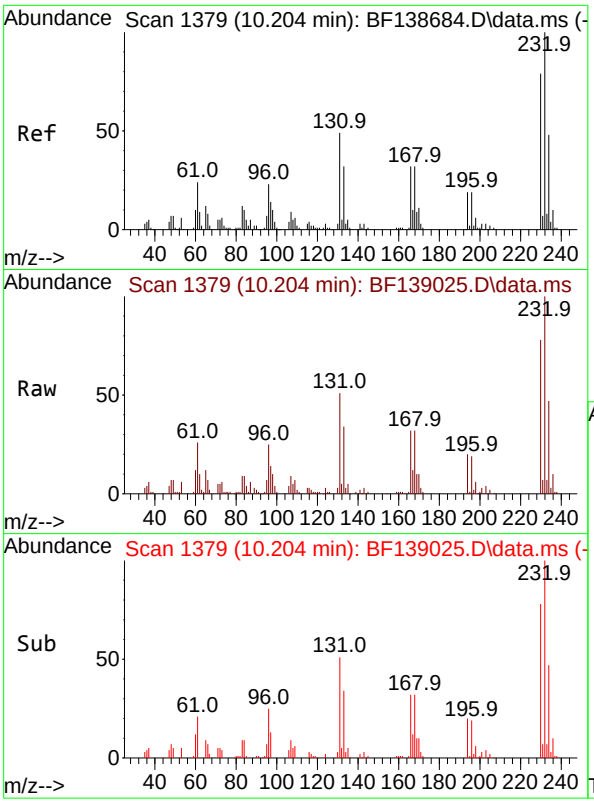


#58
Fluorene
Concen: 42.452 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:166 Resp: 274269

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	13.1	10.6	16.0

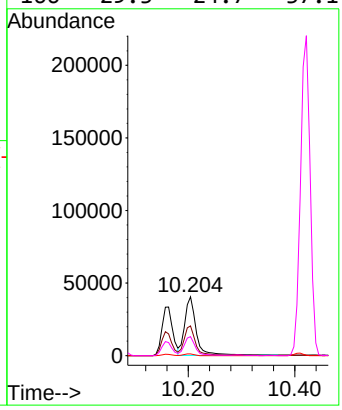




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.119 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:232 Resp: 6024

Ion	Ratio	Lower	Upper
232	100		
131	47.2	37.0	55.4
130	2.6	2.0	3.0
166	29.3	24.7	37.1



Instrument :
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ClientSampleId :
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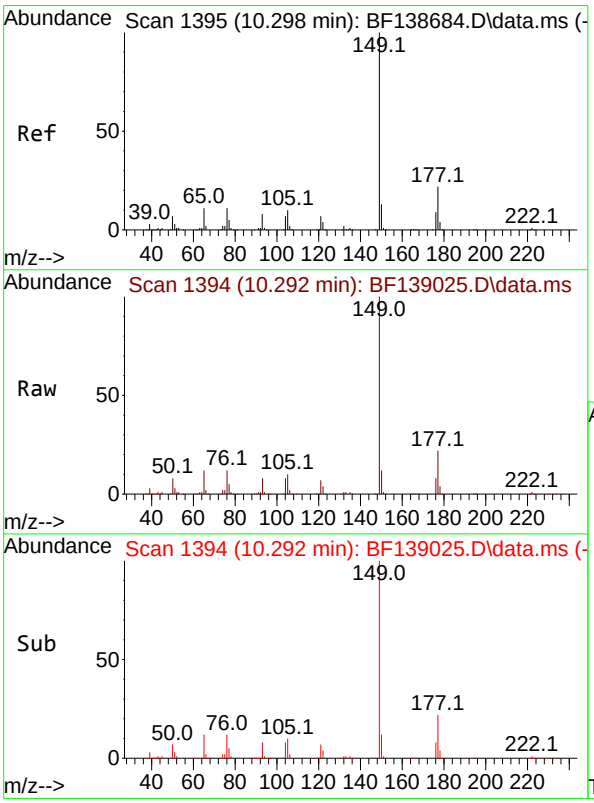
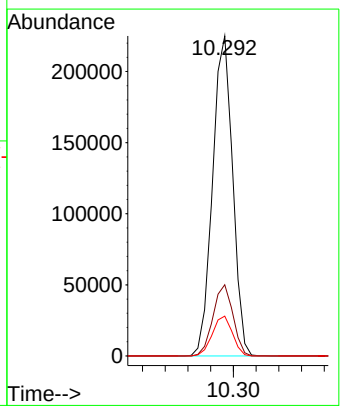
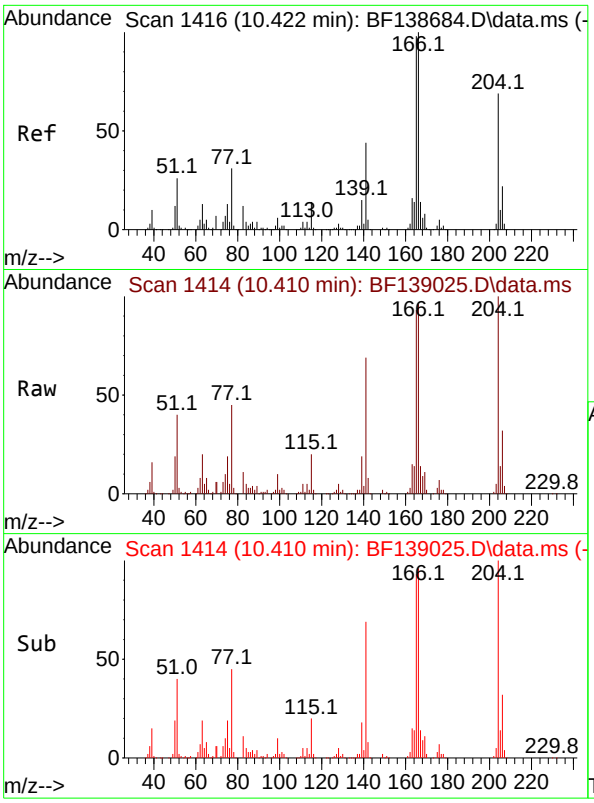


#60
Diethylphthalate
Concen: 43.986 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:149 Resp: 275996

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.4	10.1	15.1

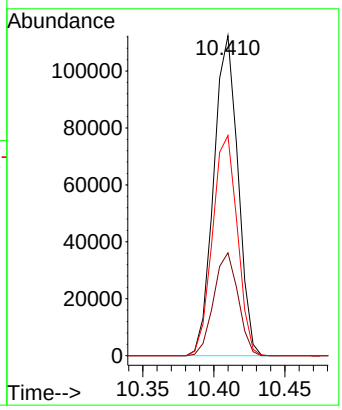




#61
4-Chlorophenyl-phenylether
Concen: 42.035 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:204 Resp: 13356

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.1	39.1
141	68.8	51.4	77.0



Instrument :
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ClientSampleId :
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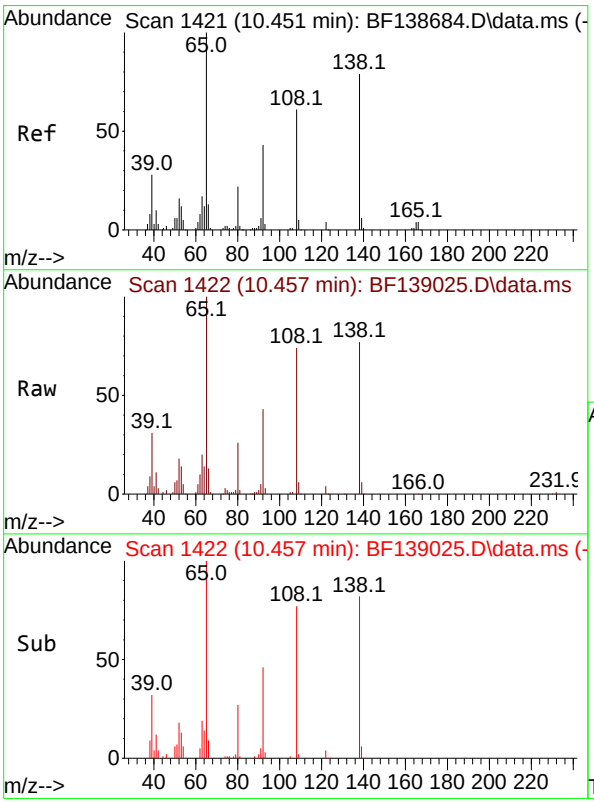
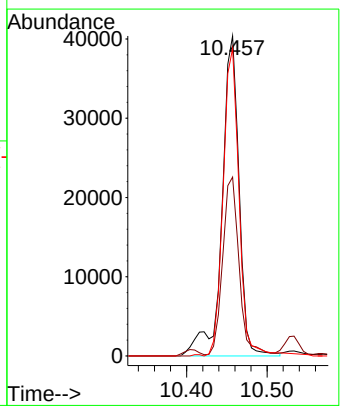
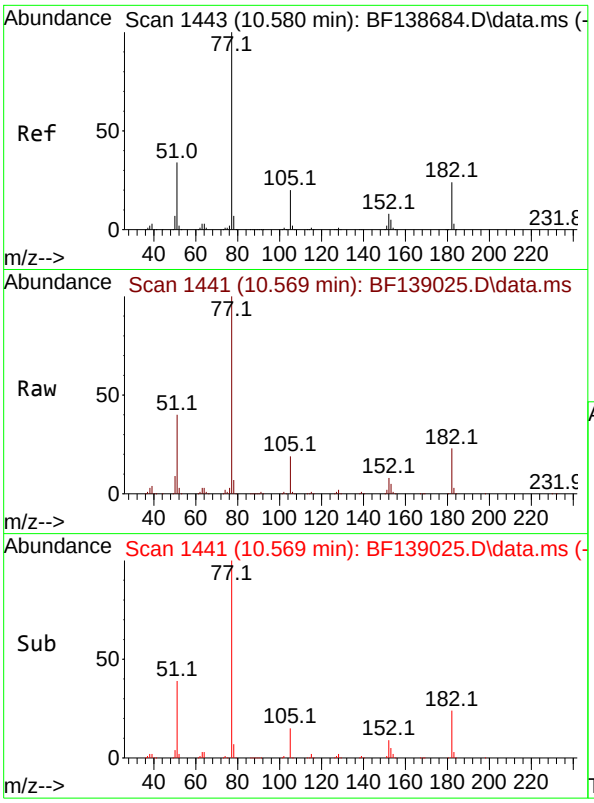


#62
4-Nitroaniline
Concen: 40.574 ng m
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:138 Resp: 59530

Ion	Ratio	Lower	Upper
138	100		
92	55.9	34.2	74.2
108	96.1	56.2	96.2





#63
Azobenzene
Concen: 41.401 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 28811

Ion	Ratio	Lower	Upper
77	100		
182	23.0	3.4	43.4
105	18.8	0.2	40.2
51	39.6	14.6	54.6

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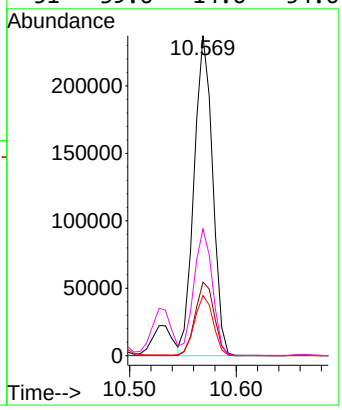
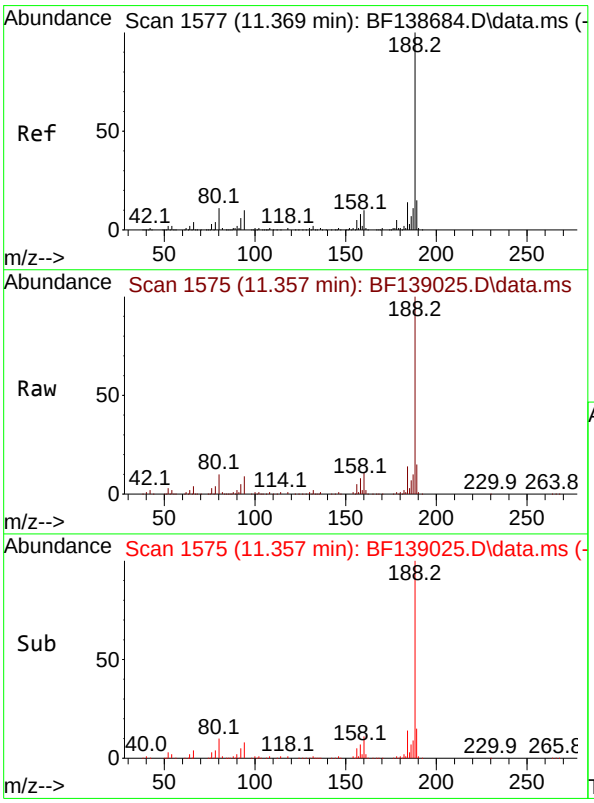
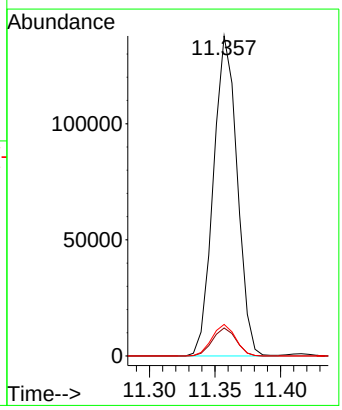


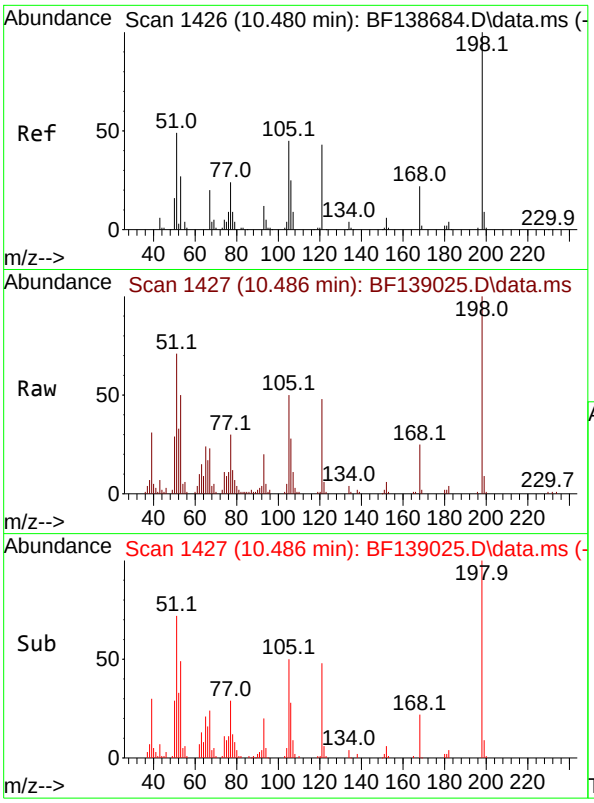


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:188 Resp: 173892

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	9.9	8.6	12.8

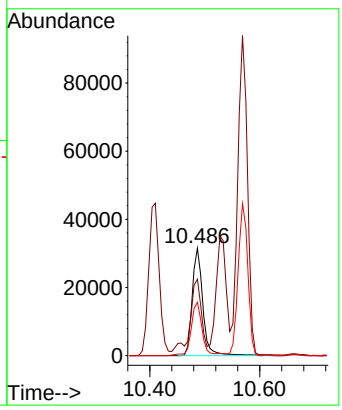




#65
4,6-Dinitro-2-methylphenol
Concen: 40.109 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:198 Resp: 4255

Ion	Ratio	Lower	Upper
198	100		
51	71.0	39.9	79.9
105	49.6	26.1	66.1



Instrument :
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ClientSampleId :
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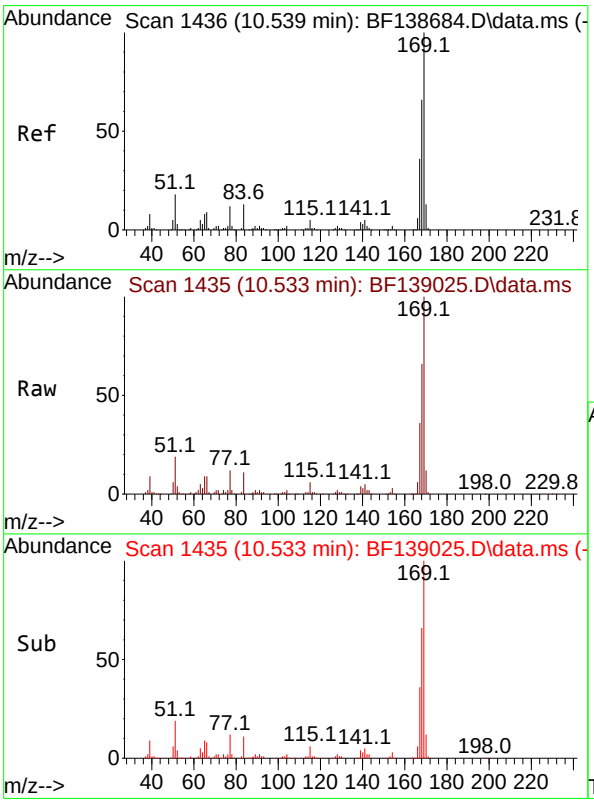
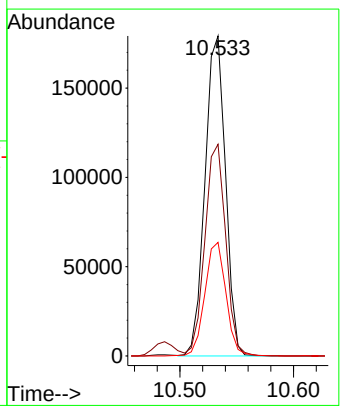
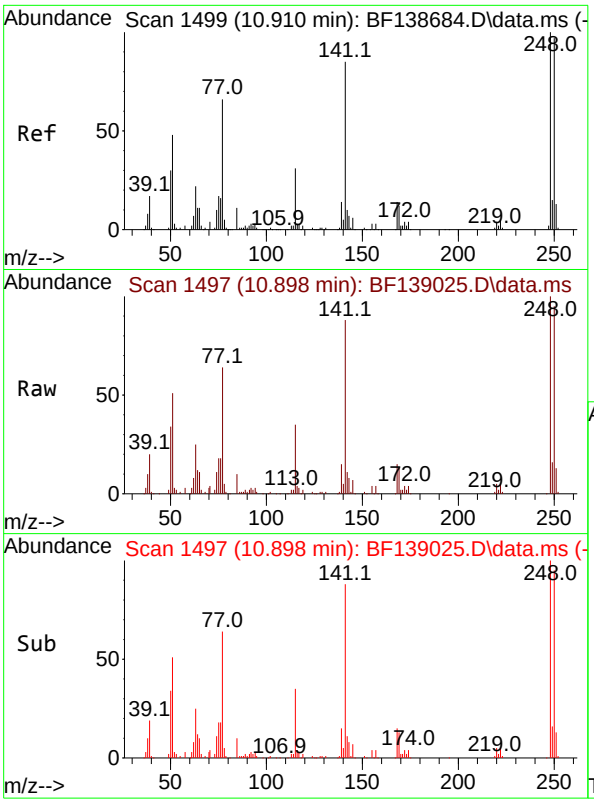


#66
n-Nitrosodiphenylamine
Concen: 41.293 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:169 Resp: 224448

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.6
167	35.5	29.0	43.6

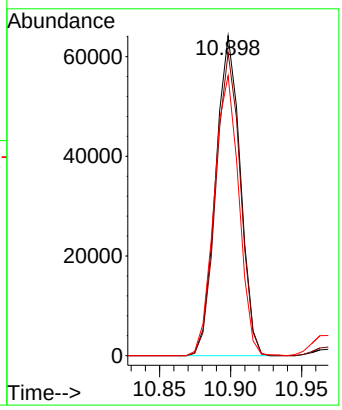




#67
4-Bromophenyl-phenylether
Concen: 40.980 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:248 Resp: 7715

Ion	Ratio	Lower	Upper
248	100		
250	94.7	77.7	116.5
141	87.5	68.0	102.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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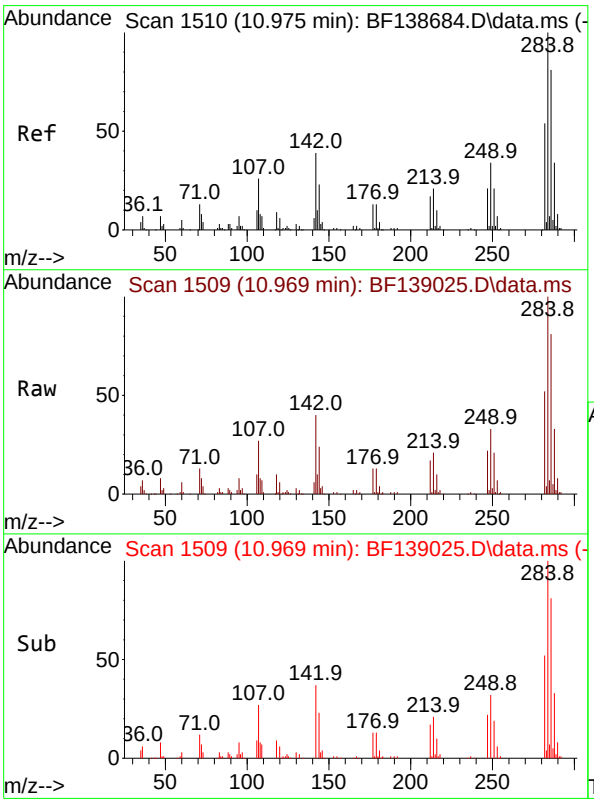
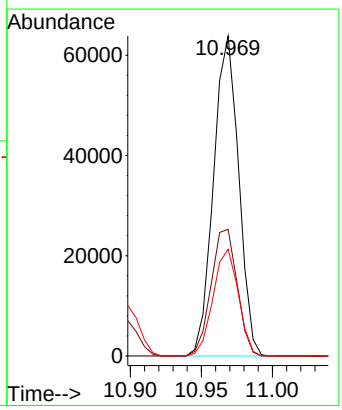
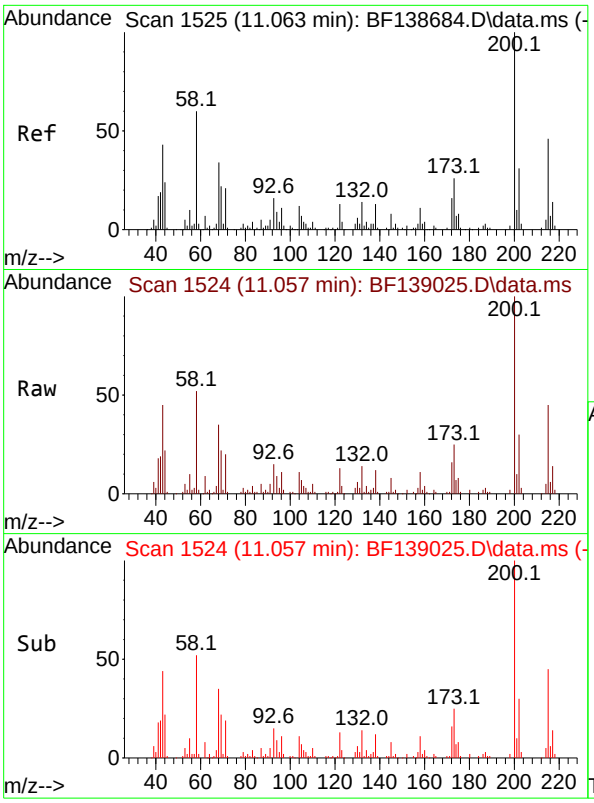


#68
Hexachlorobenzene
Concen: 40.368 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:284 Resp: 78472

Ion	Ratio	Lower	Upper
284	100		
142	39.5	31.3	46.9
249	33.4	27.2	40.8

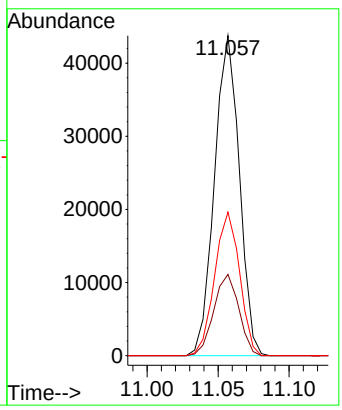




#69
Atrazine
Concen: 37.965 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:200 Resp: 5324

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.0	46.0
215	44.9	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
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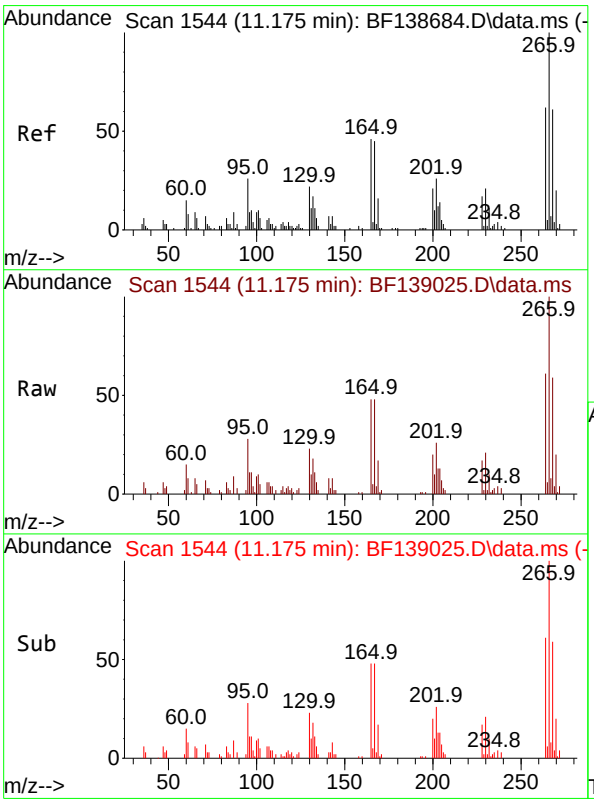
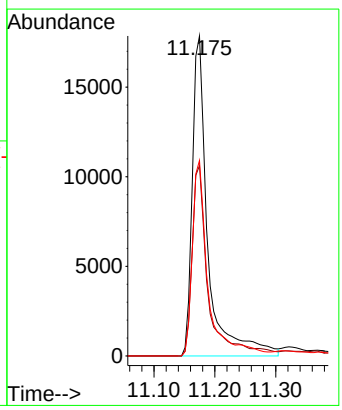
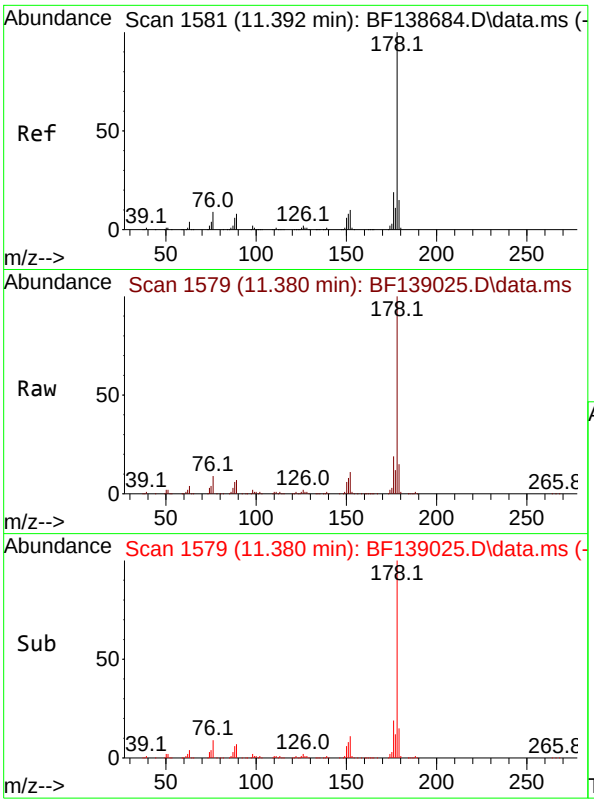


#70
Pentachlorophenol
Concen: 36.280 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:266 Resp: 31789

Ion	Ratio	Lower	Upper
266	100		
268	59.5	49.2	73.8
264	61.1	49.8	74.6

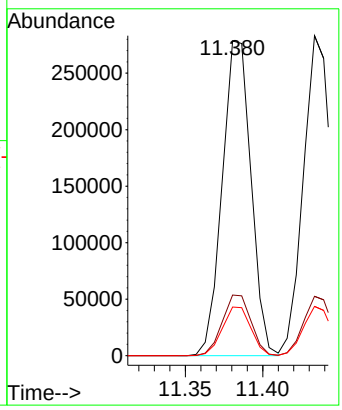




#71
Phenanthrene
Concen: 40.236 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:178 Resp: 36027

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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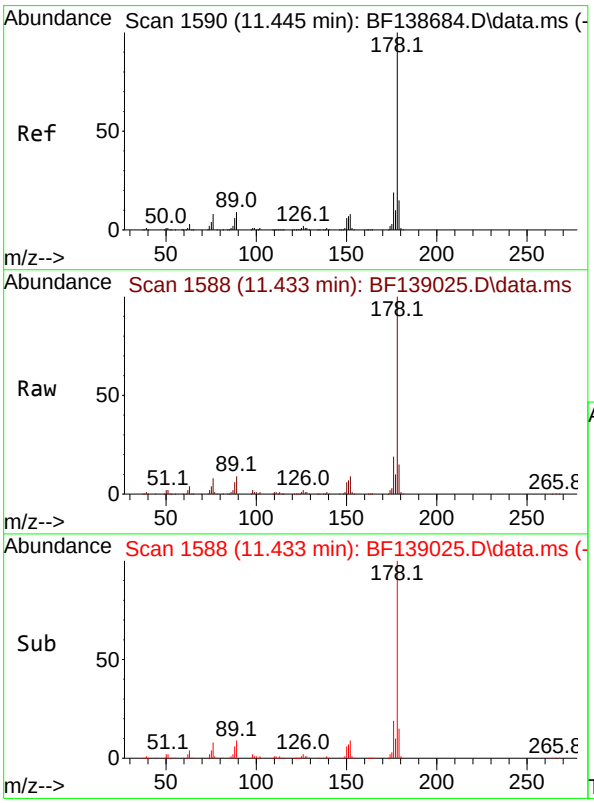
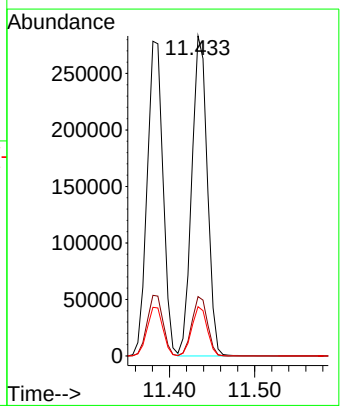
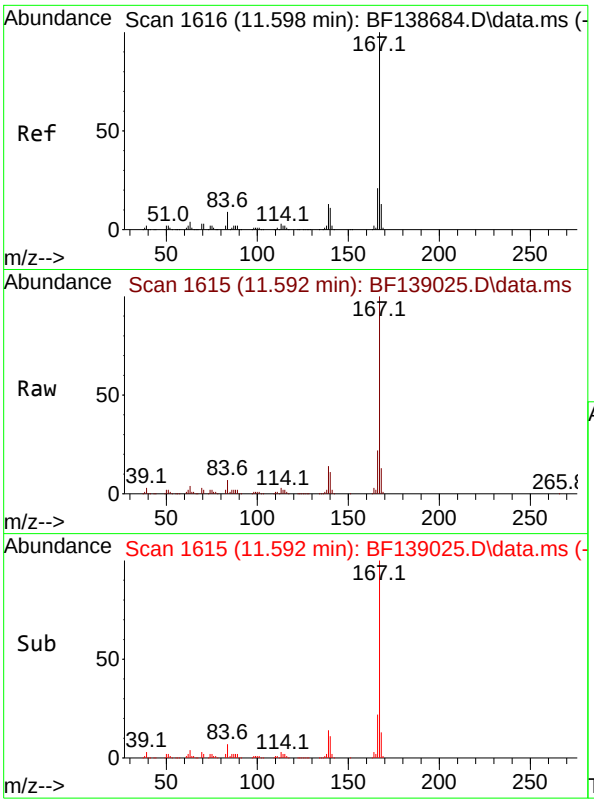


#72
Anthracene
Concen: 40.615 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:178 Resp: 358261

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.4	12.4	18.6

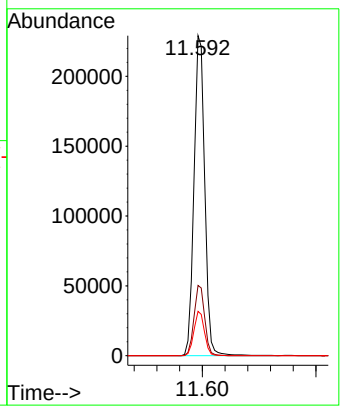




#73
Carbazole
Concen: 39.675 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:167 Resp: 30194

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	13.8	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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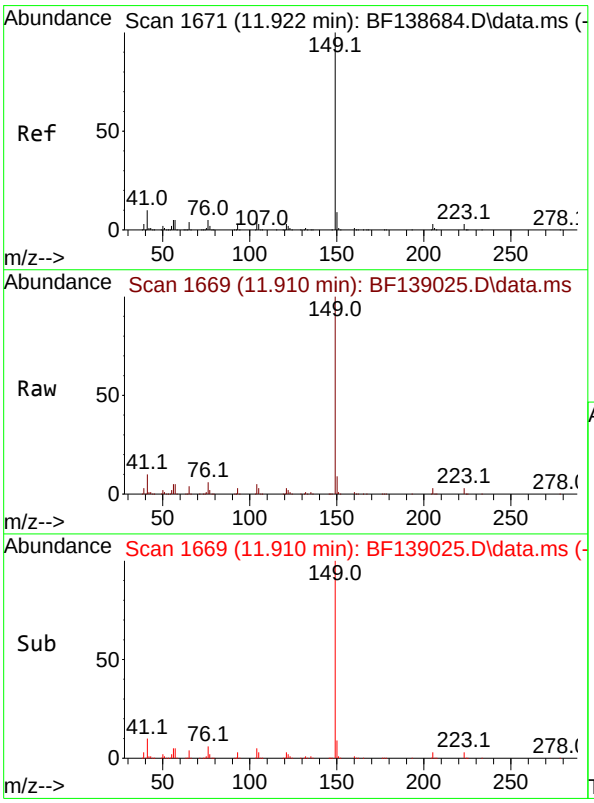
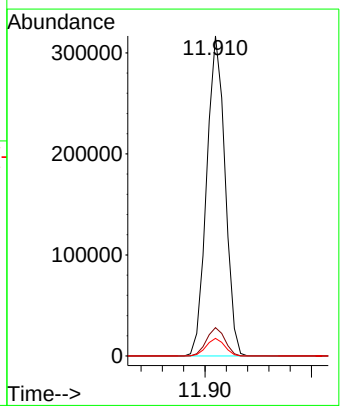
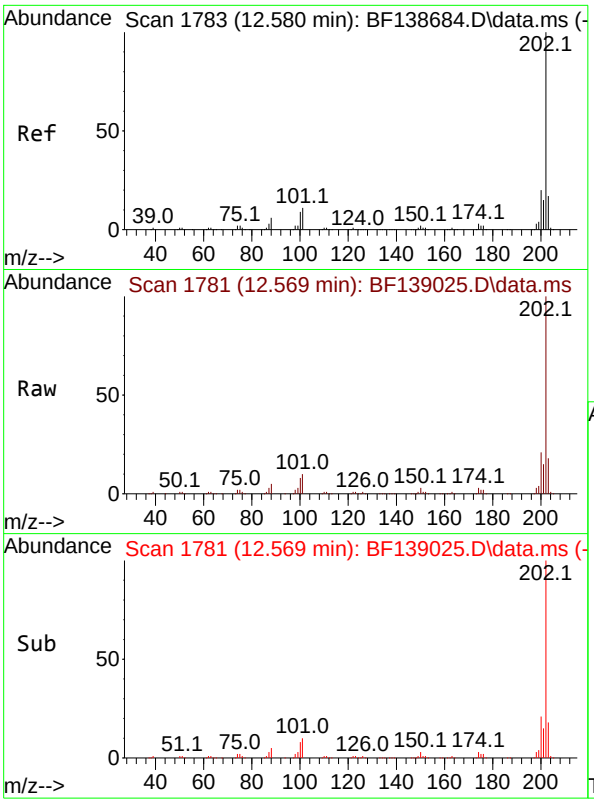


#74
Di-n-butylphthalate
Concen: 44.460 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:149 Resp: 380361

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.5	4.1	6.1

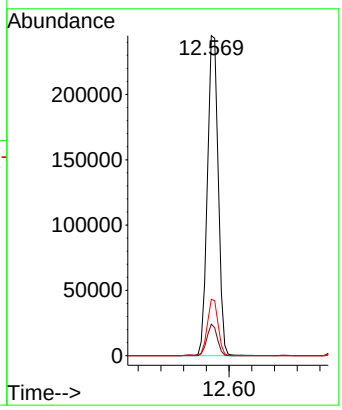




#75
Fluoranthene
Concen: 38.519 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:202 Resp: 32198

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.2
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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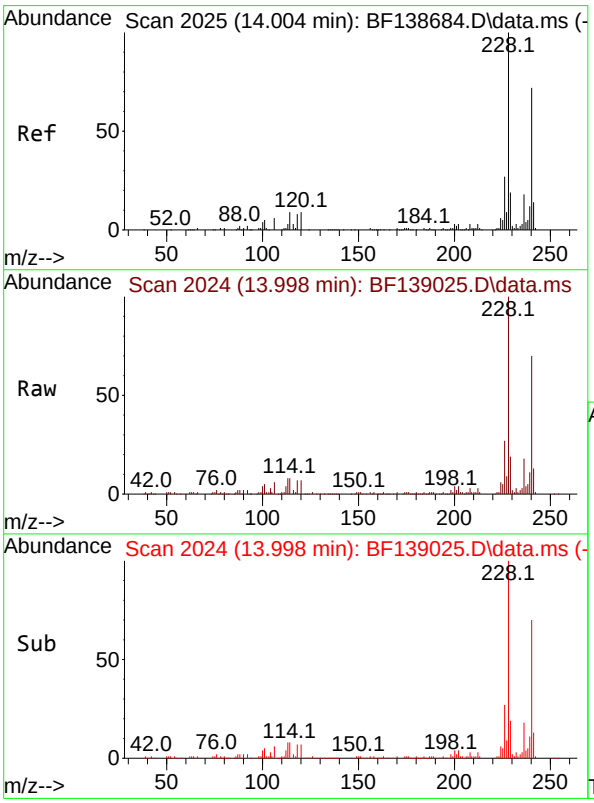
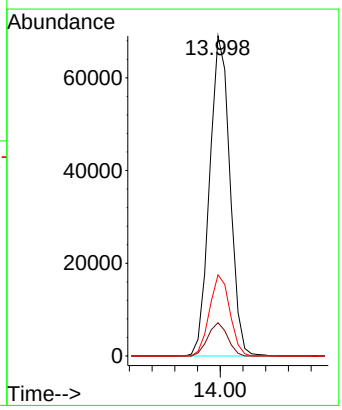
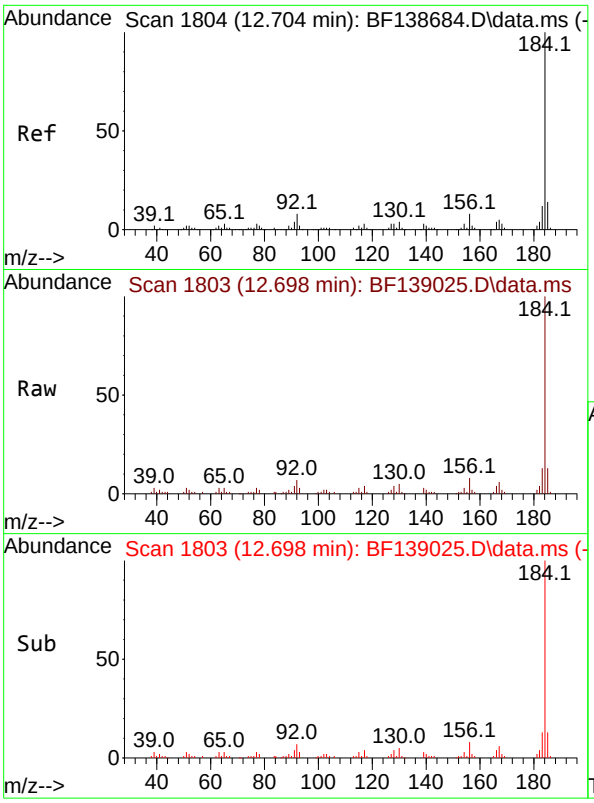


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:240 Resp: 85690

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.2	15.4
236	25.4	19.8	29.8

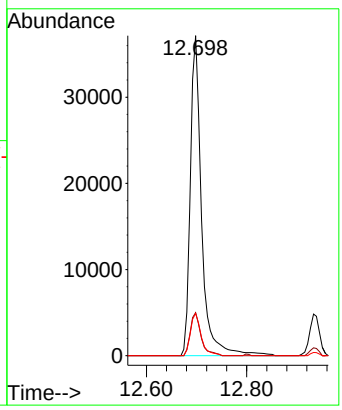




#77
Benzidine
Concen: 28.350 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:184 Resp: 5810

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.1	16.7
183	13.3	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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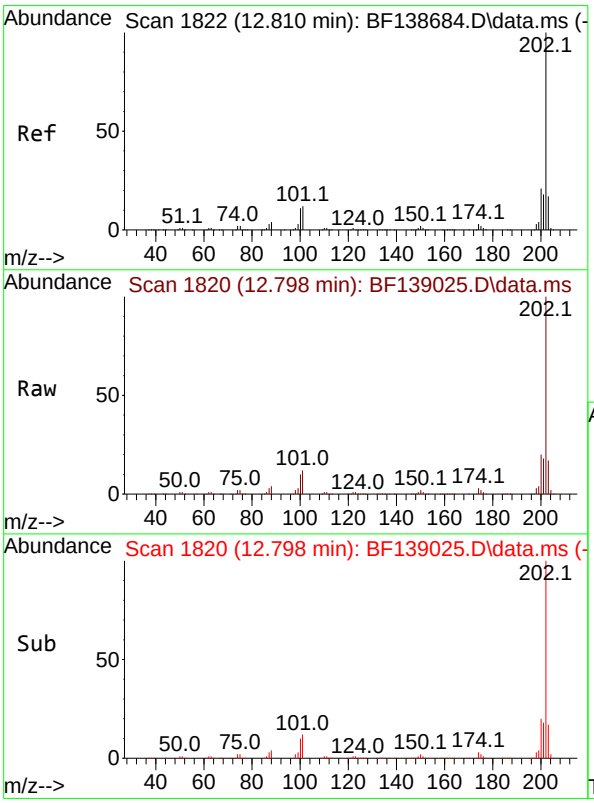
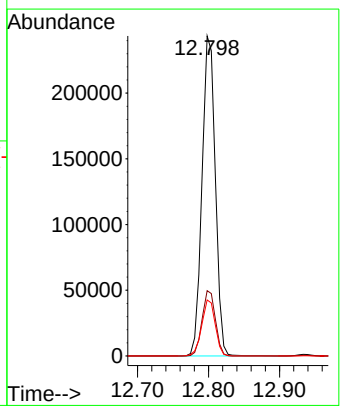
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

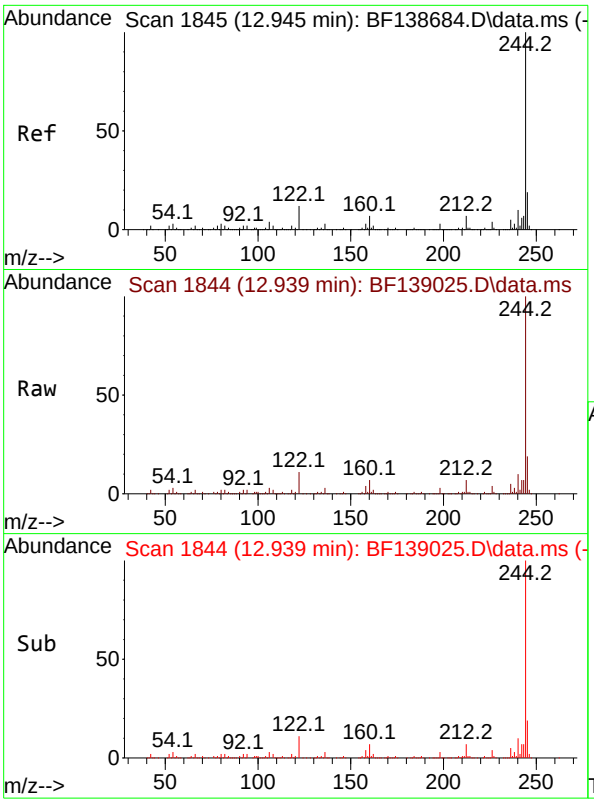


#78
Pyrene
Concen: 39.402 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:202 Resp: 317893

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.8	25.2
203	17.5	13.8	20.6

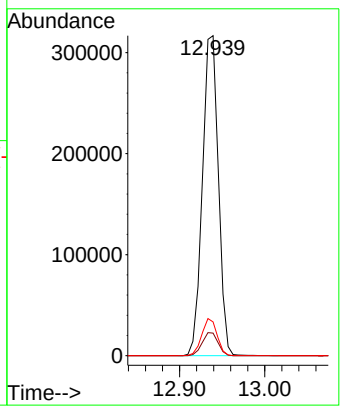




#79
Terphenyl-d14
Concen: 80.418 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:244 Resp: 41158

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.6	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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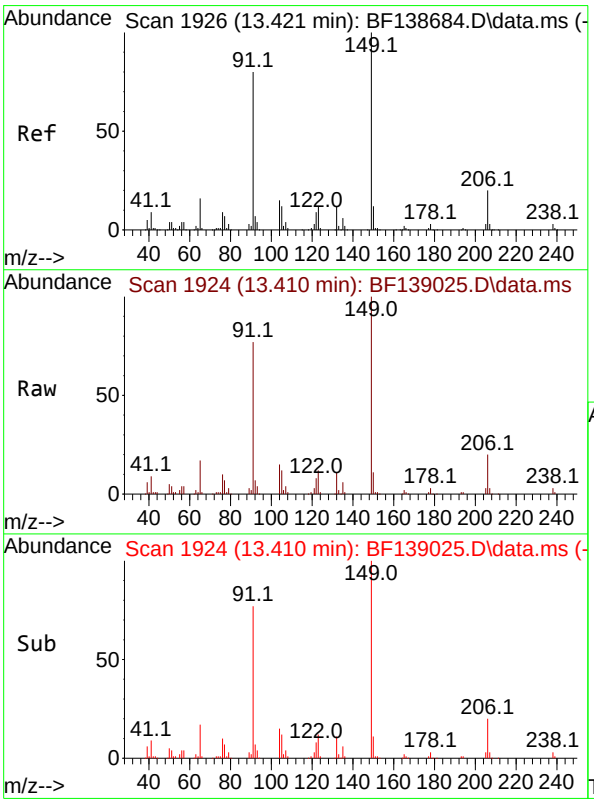
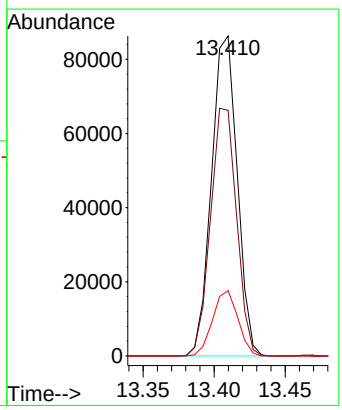
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

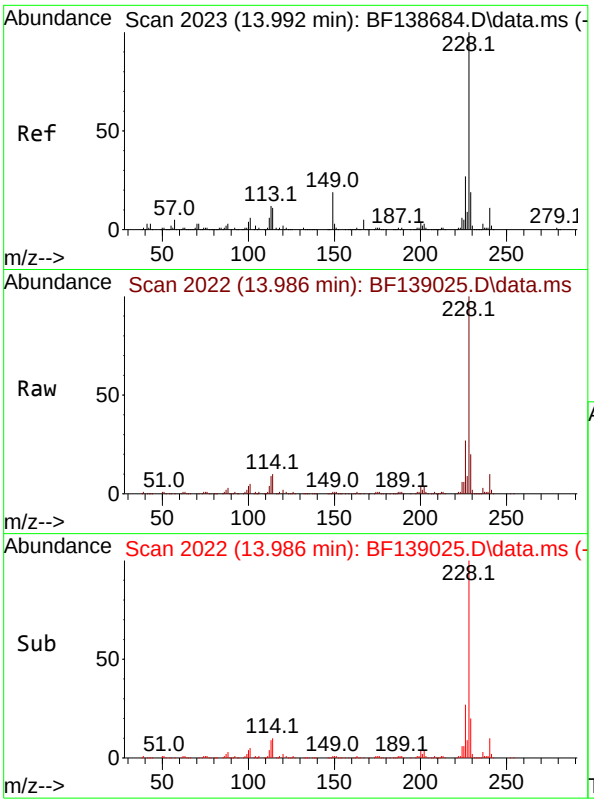


#80
Butylbenzylphthalate
Concen: 42.091 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:149 Resp: 108747

Ion	Ratio	Lower	Upper
149	100		
91	76.8	63.7	95.5
206	20.4	16.2	24.2





#81
Benzo(a)anthracene
Concen: 40.083 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:228 Resp: 23652

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	19.7	15.4	23.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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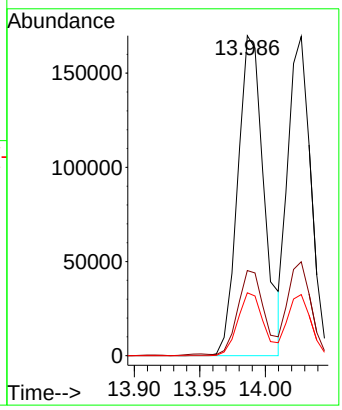
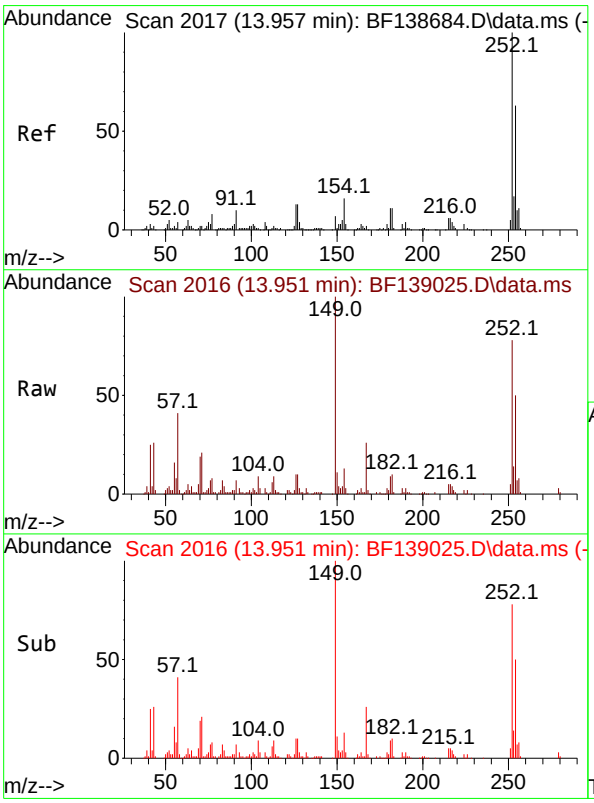
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

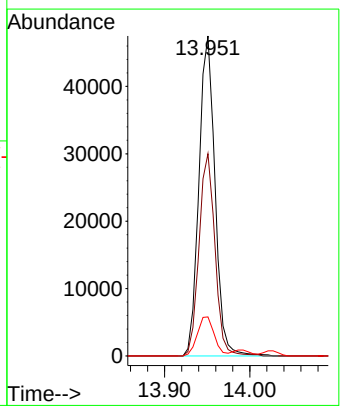


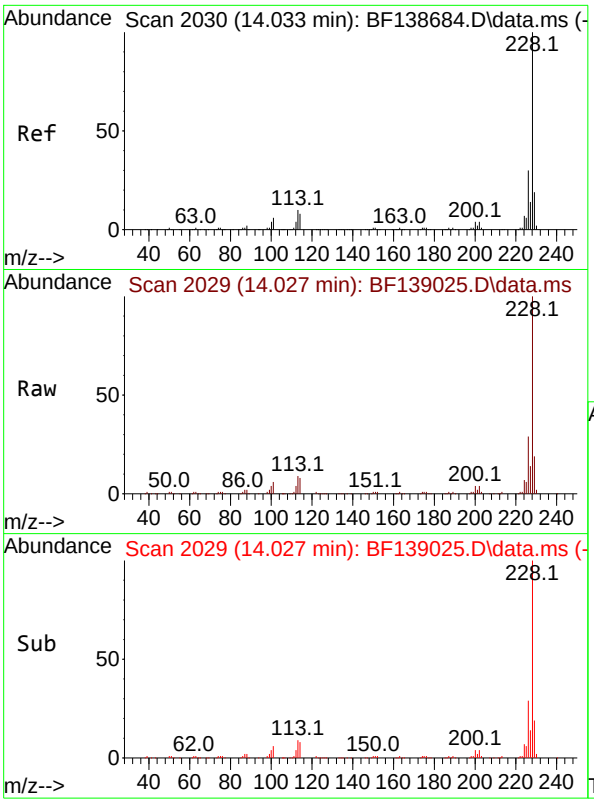


#82
3,3'-Dichlorobenzidine
Concen: 41.290 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:252 Resp: 62349

Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.8	76.2
126	12.2	10.2	15.2





#83
Chrysene
Concen: 38.538 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:228 Resp: 20516

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.7	35.5
229	19.2	15.0	22.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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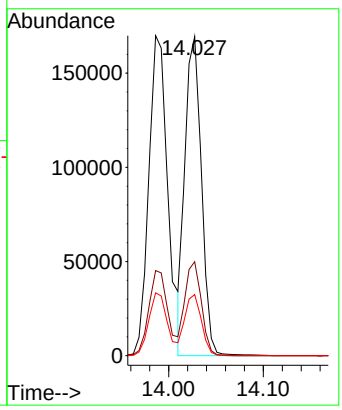
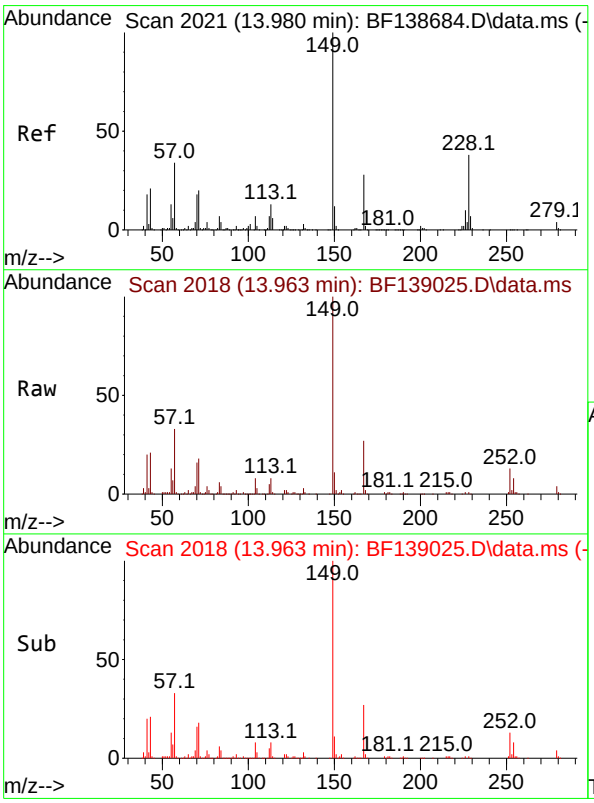
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

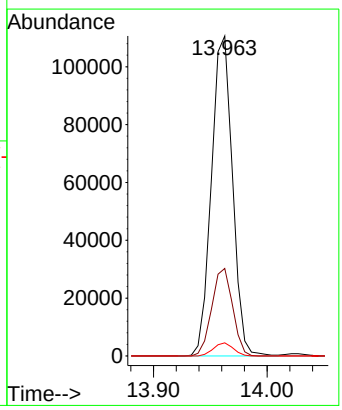


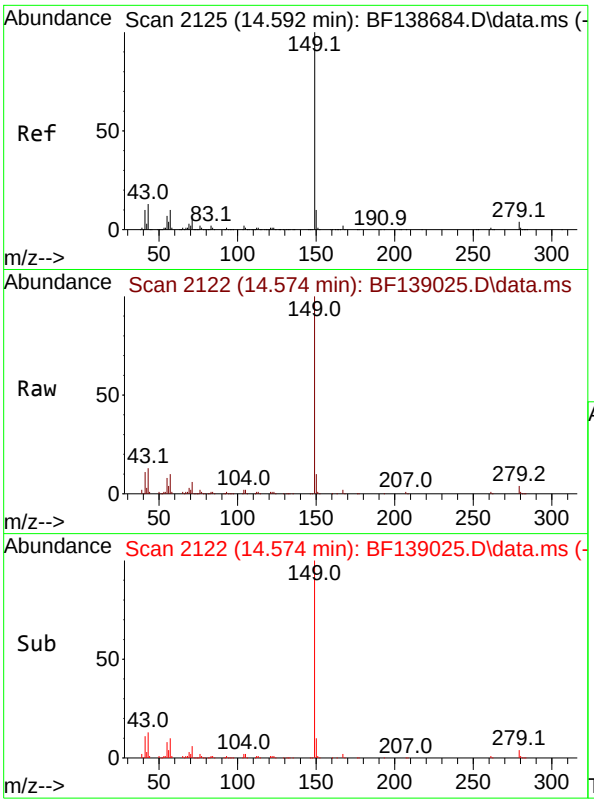


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.771 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:149 Resp: 142898

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.2	33.4
279	4.1	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 35.673 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 24969

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.9	10.4	15.6

Manual Integrations
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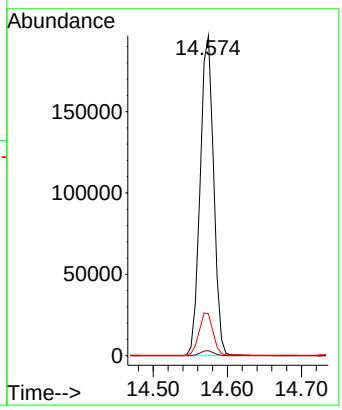
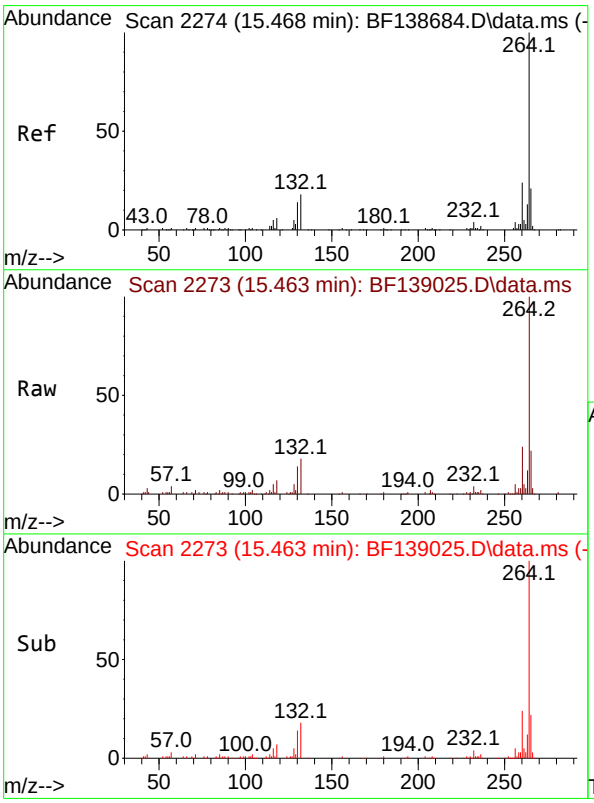
Supervised By :mohammad ahmed 08/17/2024

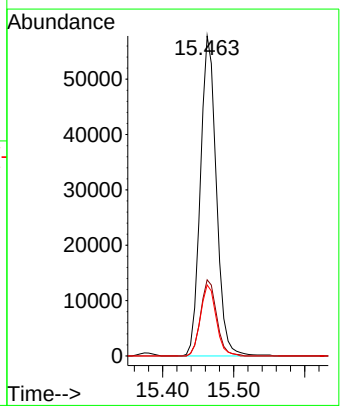


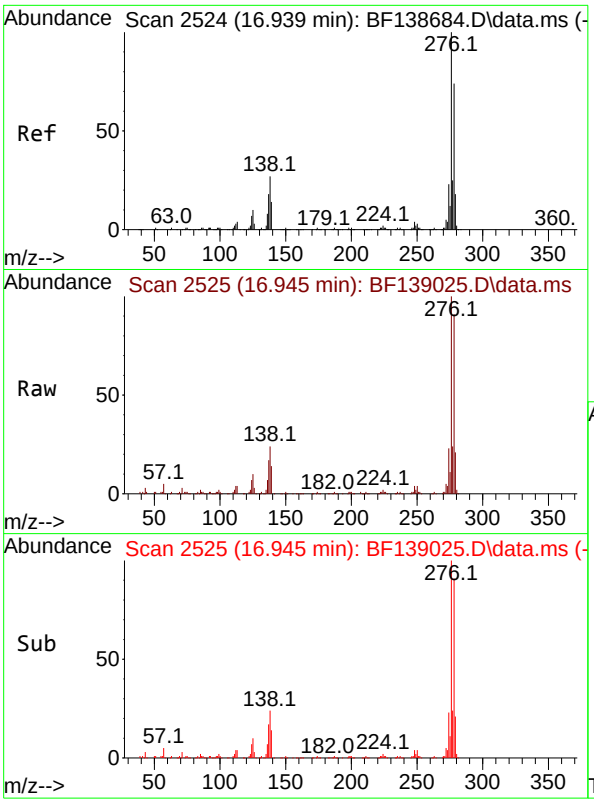


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:264 Resp: 90423

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.2	17.0	25.6

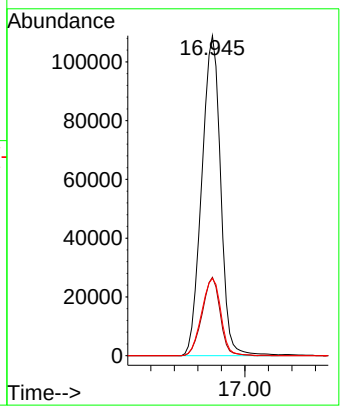




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.370 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:276 Resp: 24215

Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.8	32.8
277	24.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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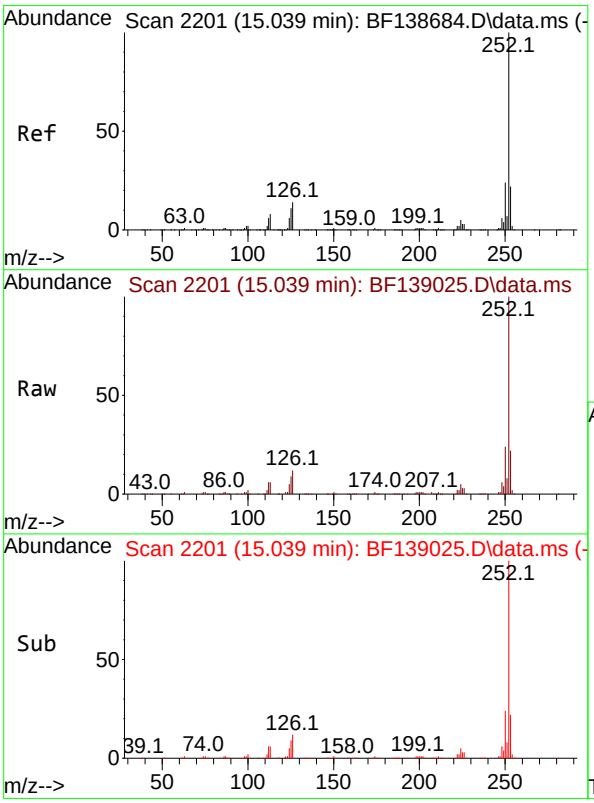
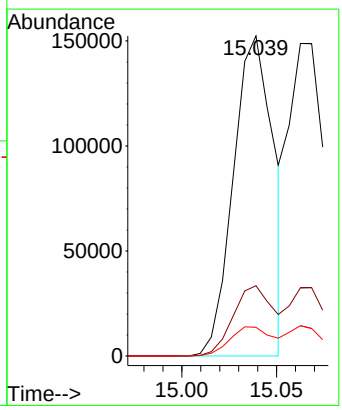
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

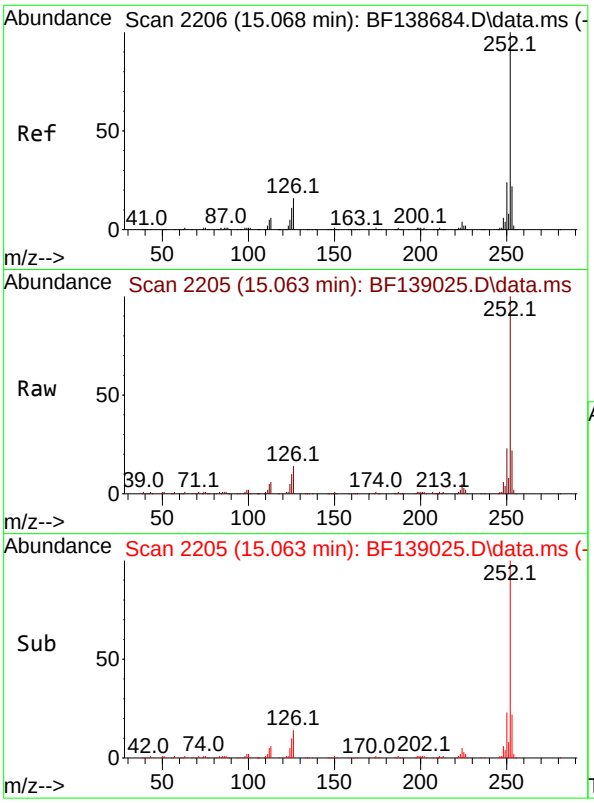


#88
Benzo(b)fluoranthene
Concen: 40.015 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:252 Resp: 224297

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.9	8.9	13.3

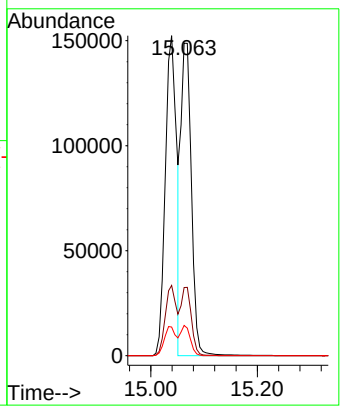




#89
Benzo(k)fluoranthene
Concen: 42.081 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:252 Resp: 20422

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	9.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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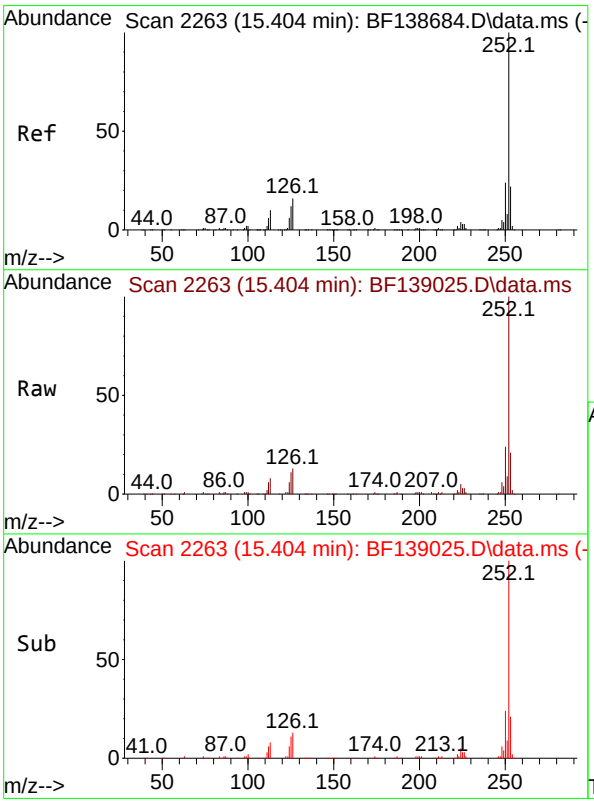
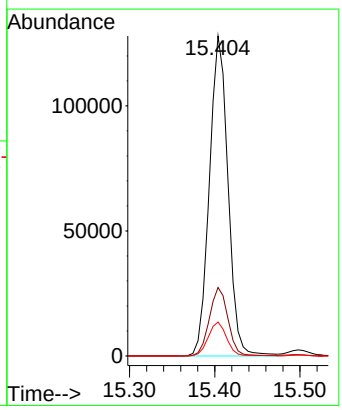
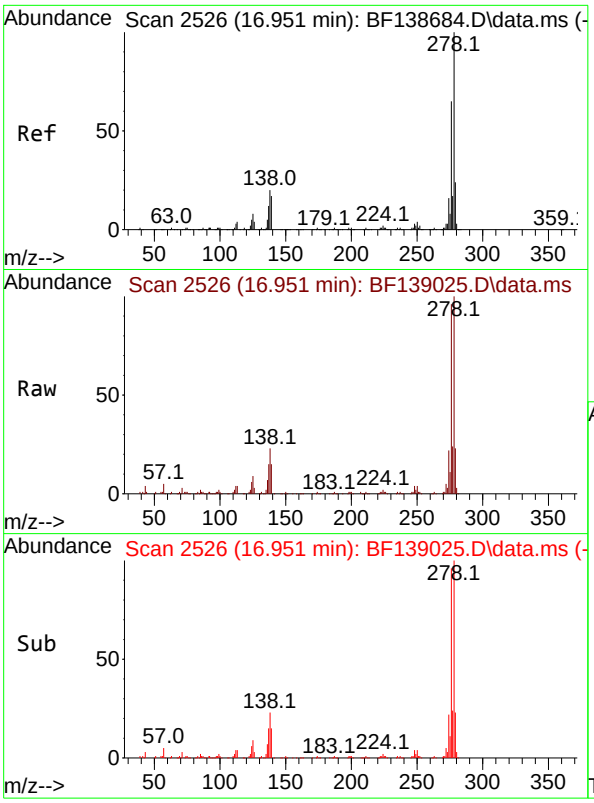


#90
Benzo(a)pyrene
Concen: 41.192 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:252 Resp: 194217

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	10.6	9.5	14.3

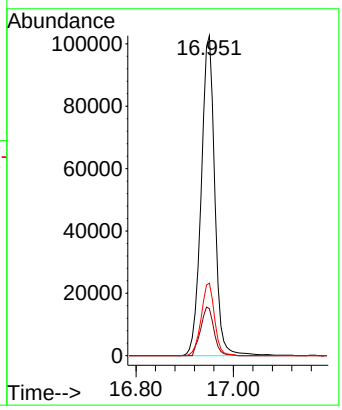




#91
Dibenzo(a,h)anthracene
Concen: 37.290 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:278 Resp: 19835

Ion	Ratio	Lower	Upper
278	100		
139	14.7	14.0	21.0
279	22.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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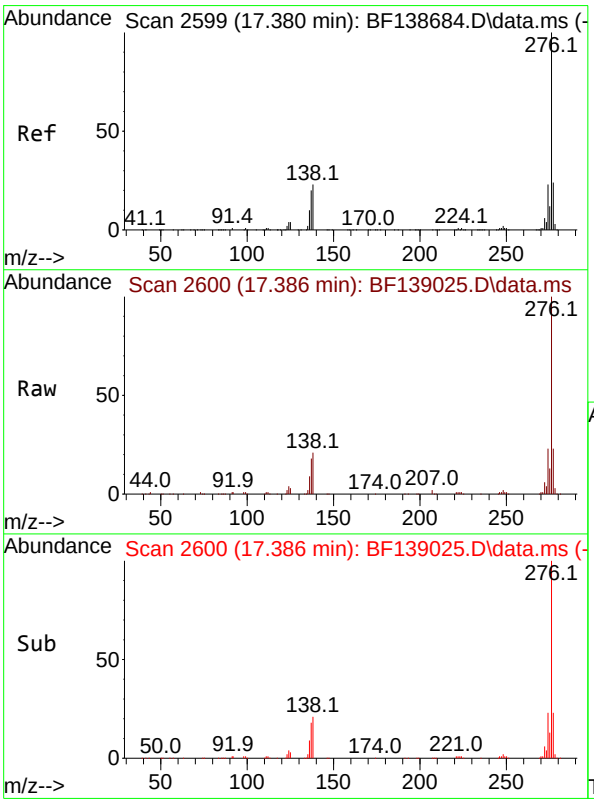
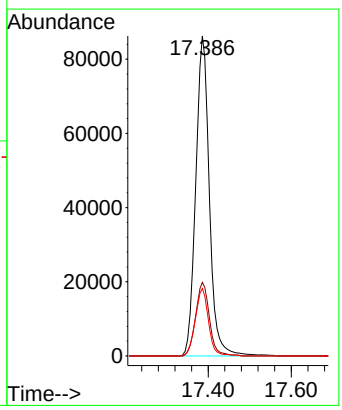
Supervised By :mohammad ahmed 08/17/2024



#92
Benzo(g,h,i)perylene
Concen: 35.585 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:276 Resp: 196424

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	21.1	18.5	27.7



Sample Results: **BF139025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	64	0.00
2		1,4-Dioxane	40.000	35.741	10.6	56	0.00
3		Pyridine	40.000	36.889	7.8	58	0.00
4		n-Nitrosodimethylamine	40.000	45.899	-14.7	73	0.02
5	S	2-Fluorophenol	80.000	79.354	0.8	64	0.00
6		Aniline	40.000	38.755	3.1	62	0.00
7	S	Phenol-d6	80.000	79.865	0.2	66	0.00
8		2-Chlorophenol	40.000	40.385	-1.0	66	0.00
9		Benzaldehyde	40.000	36.101	9.7	66	0.00
10	C	Phenol	40.000	39.123	2.2	64	0.00
11		bis(2-Chloroethyl)ether	40.000	37.146	7.1	61	-0.01
12		1,3-Dichlorobenzene	40.000	39.599	1.0	65	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.427	1.4	65	0.00
14		1,2-Dichlorobenzene	40.000	40.196	-0.5	65	0.00
15		Benzyl Alcohol	40.000	43.408	-8.5	71	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.343	9.1	60	-0.01
17		2-Methylphenol	40.000	38.983	2.5	63	0.00
18		Hexachloroethane	40.000	40.423	-1.1	66	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	40.737	-1.8	69	0.00
20		3+4-Methylphenols	40.000	41.195	-3.0	69	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	66	0.00
22		Acetophenone	40.000	42.049	-5.1	70	0.00
23	S	Nitrobenzene-d5	80.000	83.551	-4.4	69	0.00
24		Nitrobenzene	40.000	41.199	-3.0	68	0.00
25		Isophorone	40.000	40.481	-1.2	68	0.00
26	C	2-Nitrophenol	40.000	39.880	0.3	64	0.00
27		2,4-Dimethylphenol	40.000	39.450	1.4	65	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.429	3.9	64	0.00
29	C	2,4-Dichlorophenol	40.000	40.648	-1.6	67	0.00
30		1,2,4-Trichlorobenzene	40.000	39.871	0.3	66	0.00
31		Naphthalene	40.000	39.521	1.2	66	-0.01
32		Benzoic acid	40.000	30.436	23.9	51	0.03
33		4-Chloroaniline	40.000	37.170	7.1	63	0.00
34	C	Hexachlorobutadiene	40.000	41.689	-4.2	70	-0.01
35		Caprolactam	40.000	42.453	-6.1	74	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.678	-4.2	70	0.00
37		2-Methylnaphthalene	40.000	40.370	-0.9	68	-0.01
38		1-Methylnaphthalene	40.000	40.692	-1.7	69	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	70	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.099	-0.2	71	-0.01
41	P	Hexachlorocyclopentadiene	40.000	35.677	10.8	64	-0.01
42	S	2,4,6-Tribromophenol	80.000	79.912	0.1	72	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.342	4.1	68	0.00
44		2,4,5-Trichlorophenol	40.000	38.511	3.7	68	0.00
45	S	2-Fluorobiphenyl	80.000	83.230	-4.0	75	-0.01
46		1,1'-Biphenyl	40.000	39.976	0.1	72	-0.01
47		2-Chloronaphthalene	40.000	40.211	-0.5	72	0.00

Sample Results: **BF139025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.668	-6.7	76	0.00
49		Acenaphthylene	40.000	39.913	0.2	71	-0.01
50		Dimethylphthalate	40.000	41.819	-4.5	77	-0.01
51		2,6-Dinitrotoluene	40.000	43.887	-9.7	77	0.00
52	C	Acenaphthene	40.000	39.888	0.3	72	-0.01
53		3-Nitroaniline	40.000	40.183	-0.5	73	0.00
54	P	2,4-Dinitrophenol	40.000	43.390	-8.5	80	0.00
55		Dibenzofuran	40.000	40.893	-2.2	75	-0.01
56	P	4-Nitrophenol	40.000	38.596	3.5	70	0.02
57		2,4-Dinitrotoluene	40.000	43.734	-9.3	78	0.00
58		Fluorene	40.000	42.452	-6.1	77	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.119	-2.8	75	0.00
60		Diethylphthalate	40.000	43.986	-10.0	81	0.00
61		4-Chlorophenyl-phenylether	40.000	42.035	-5.1	77	-0.01
62		4-Nitroaniline	40.000	40.574	-1.4	74	0.00
63		Azobenzene	40.000	41.401	-3.5	75	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	76	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	40.109	-0.3	75	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.293	-3.2	78	0.00
67		4-Bromophenyl-phenylether	40.000	40.980	-2.4	78	-0.01
68		Hexachlorobenzene	40.000	40.368	-0.9	78	0.00
69		Atrazine	40.000	37.965	5.1	72	0.00
70	C	Pentachlorophenol	40.000	36.280	9.3	68	0.00
71		Phenanthrene	40.000	40.236	-0.6	78	-0.01
72		Anthracene	40.000	40.615	-1.5	79	-0.01
73		Carbazole	40.000	39.675	0.8	76	0.00
74		Di-n-butylphthalate	40.000	44.460	-11.2	84	-0.01
75	C	Fluoranthene	40.000	38.519	3.7	73	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	68	0.00
77		Benzidine	40.000	28.350	29.1#	43	0.00
78		Pyrene	40.000	39.402	1.5	72	-0.01
79	S	Terphenyl-d14	80.000	80.418	-0.5	74	0.00
80		Butylbenzylphthalate	40.000	42.091	-5.2	69	-0.01
81		Benzo(a)anthracene	40.000	40.083	-0.2	67	0.00
82		3,3'-Dichlorobenzidine	40.000	41.290	-3.2	69	0.00
83		Chrysene	40.000	38.538	3.7	67	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.771	5.6	60	-0.02
85	c	Di-n-octyl phthalate	40.000	35.673	10.8	57	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	60	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.370	6.6	57	0.00
88		Benzo(b)fluoranthene	40.000	40.015	-0.0	60	0.00
89		Benzo(k)fluoranthene	40.000	42.081	-5.2	67	0.00
90	C	Benzo(a)pyrene	40.000	41.192	-3.0	63	0.00
91		Dibenzo(a,h)anthracene	40.000	37.290	6.8	58	0.00
92		Benzo(g,h,i)perylene	40.000	35.585	11.0	54	0.00

Sample Results: **BF139025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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

Sample Results: **BF139025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	64	0.00
2		1,4-Dioxane	0.567	0.507	10.6	56	0.00
3		Pyridine	1.374	1.267	7.8	58	0.00
4		n-Nitrosodimethylamine	0.818	0.939	-14.8	73	0.02
5	S	2-Fluorophenol	1.296	1.285	0.8	64	0.00
6		Aniline	1.551	1.503	3.1	62	0.00
7	S	Phenol-d6	1.740	1.737	0.2	66	0.00
8		2-Chlorophenol	1.363	1.376	-1.0	66	0.00
9		Benzaldehyde	1.043	0.941	9.8	66	0.00
10	C	Phenol	1.832	1.791	2.2	64	0.00
11		bis(2-Chloroethyl)ether	1.409	1.309	7.1	61	-0.01
12		1,3-Dichlorobenzene	1.526	1.511	1.0	65	-0.01
13	C	1,4-Dichlorobenzene	1.540	1.518	1.4	65	0.00
14		1,2-Dichlorobenzene	1.439	1.446	-0.5	65	0.00
15		Benzyl Alcohol	1.254	1.361	-8.5	71	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.204	9.2	60	-0.01
17		2-Methylphenol	1.126	1.097	2.6	63	0.00
18		Hexachloroethane	0.580	0.586	-1.0	66	-0.01
19	P	n-Nitroso-di-n-propylamine	1.051	1.070	-1.8	69	0.00
20		3+4-Methylphenols	1.444	1.487	-3.0	69	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	66	0.00
22		Acetophenone	0.490	0.515	-5.1	70	0.00
23	S	Nitrobenzene-d5	0.409	0.427	-4.4	69	0.00
24		Nitrobenzene	0.416	0.429	-3.1	68	0.00
25		Isophorone	0.699	0.707	-1.1	68	0.00
26	C	2-Nitrophenol	0.179	0.179	0.0	64	0.00
27		2,4-Dimethylphenol	0.214	0.211	1.4	65	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.409	3.8	64	0.00
29	C	2,4-Dichlorophenol	0.275	0.280	-1.8	67	0.00
30		1,2,4-Trichlorobenzene	0.318	0.317	0.3	66	0.00
31		Naphthalene	1.053	1.040	1.2	66	-0.01
32		Benzoic acid	0.168	0.128	23.8	51	0.03
33		4-Chloroaniline	0.353	0.328	7.1	63	0.00
34	C	Hexachlorobutadiene	0.192	0.201	-4.7	70	-0.01
35		Caprolactam	0.082	0.087	-6.1	74	0.00
36	C	4-Chloro-3-methylphenol	0.315	0.328	-4.1	70	0.00
37		2-Methylnaphthalene	0.665	0.671	-0.9	68	-0.01
38		1-Methylnaphthalene	0.652	0.663	-1.7	69	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	70	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.556	0.557	-0.2	71	-0.01
41	P	Hexachlorocyclopentadiene	0.120	0.116	3.3	64	-0.01
42	S	2,4,6-Tribromophenol	0.164	0.164	0.0	72	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.325	4.1	68	0.00
44		2,4,5-Trichlorophenol	0.370	0.357	3.5	68	0.00
45	S	2-Fluorobiphenyl	1.331	1.385	-4.1	75	-0.01
46		1,1'-Biphenyl	1.566	1.565	0.1	72	-0.01
47		2-Chloronaphthalene	1.165	1.171	-0.5	72	0.00

Sample Results: **BF139025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	0.395	0.421	-6.6	76	0.00
49		Acenaphthylene	1.652	1.649	0.2	71	-0.01
50		Dimethylphthalate	1.279	1.337	-4.5	77	-0.01
51		2,6-Dinitrotoluene	0.289	0.317	-9.7	77	0.00
52	C	Acenaphthene	1.111	1.108	0.3	72	-0.01
53		3-Nitroaniline	0.298	0.300	-0.7	73	0.00
54	P	2,4-Dinitrophenol	0.133	0.144	-8.3	80	0.00
55		Dibenzofuran	1.568	1.603	-2.2	75	-0.01
56	P	4-Nitrophenol	0.179	0.173	3.4	70	0.02
57		2,4-Dinitrotoluene	0.368	0.403	-9.5	78	0.00
58		Fluorene	1.249	1.325	-6.1	77	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.291	-2.8	75	0.00
60		Diethylphthalate	1.213	1.333	-9.9	81	0.00
61		4-Chlorophenyl-phenylether	0.614	0.645	-5.0	77	-0.01
62		4-Nitroaniline	0.284	0.288	-1.4	74	0.00
63		Azobenzene	1.345	1.392	-3.5	75	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	76	-0.01
65		4,6-Dinitro-2-methylphenol	0.122	0.122	0.0	75	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.645	-3.2	78	0.00
67		4-Bromophenyl-phenylether	0.217	0.222	-2.3	78	-0.01
68		Hexachlorobenzene	0.224	0.226	-0.9	78	0.00
69		Atrazine	0.161	0.153	5.0	72	0.00
70	C	Pentachlorophenol	0.101	0.091	9.9	68	0.00
71		Phenanthrene	1.030	1.036	-0.6	78	-0.01
72		Anthracene	1.015	1.030	-1.5	79	-0.01
73		Carbazole	0.875	0.868	0.8	76	0.00
74		Di-n-butylphthalate	0.984	1.094	-11.2	84	-0.01
75	C	Fluoranthene	0.961	0.926	3.6	73	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	68	0.00
77		Benzidine	0.478	0.339	29.1#	43#	0.00
78		Pyrene	1.883	1.855	1.5	72	-0.01
79	S	Terphenyl-d14	1.195	1.201	-0.5	74	0.00
80		Butylbenzylphthalate	0.603	0.635	-5.3	69	-0.01
81		Benzo(a)anthracene	1.377	1.380	-0.2	67	0.00
82		3,3'-Dichlorobenzidine	0.352	0.364	-3.4	69	0.00
83		Chrysene	1.243	1.197	3.7	67	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.834	5.5	60	-0.02
85	c	Di-n-octyl phthalate	1.634	1.457	10.8	57	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	60	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.339	6.6	57	0.00
88		Benzo(b)fluoranthene	1.240	1.240	0.0	60	0.00
89		Benzo(k)fluoranthene	1.073	1.129	-5.2	67	0.00
90	C	Benzo(a)pyrene	1.043	1.074	-3.0	63	0.00
91		Dibenzo(a,h)anthracene	1.177	1.097	6.8	58	0.00
92		Benzo(g,h,i)perylene	1.221	1.086	11.1	54	0.00

Sample Results: **BF139025.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 17:00:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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

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: JACO05

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG No.: P3573

Instrument ID: BNA_F Calibration Date/Time: 08/19/2024 09:41

Lab File ID: BF139065.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.296	1.304		0.6	
Phenol-d6	1.740	1.767		1.6	
Nitrobenzene-d5	0.409	0.429		4.9	
2-Fluorobiphenyl	1.331	1.396		4.9	
2,4,6-Tribromophenol	0.164	0.163		-0.6	
Terphenyl-d14	1.195	1.289		7.9	
Benzo(a)anthracene	1.377	1.370		-0.5	
Benzo(a)pyrene	1.043	1.042		-0.1	20.0
Dibenzo(a,h)anthracene	1.177	1.057		-10.2	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	49558	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	204011	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	113932	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	191441	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	87715	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	96864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	258418	80.493	ng	0.00
7) Phenol-d6	6.487	99	350185	81.243	ng	0.00
23) Nitrobenzene-d5	7.410	82	350238	83.935	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	74271	79.583	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	636396	83.926	ng	-0.01
79) Terphenyl-d14	12.939	244	452171	86.309	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	51910	36.932	ng	# 96
3) Pyridine	3.340	79	129433	38.014	ng	# 93
4) n-Nitrosodimethylamine	3.316	42	95849	47.266	ng	# 80
6) Aniline	6.504	93	154062	40.078	ng	# 42
8) 2-Chlorophenol	6.628	128	139100	41.181	ng	98
9) Benzaldehyde	6.398	77	103458	40.040	ng	99
10) Phenol	6.504	94	181959	40.094	ng	# 73
11) bis(2-Chloroethyl)ether	6.575	93	135036	38.666	ng	99
12) 1,3-Dichlorobenzene	6.775	146	153291	40.543	ng	97
13) 1,4-Dichlorobenzene	6.857	146	154620	40.522	ng	99
14) 1,2-Dichlorobenzene	7.010	146	146421	41.060	ng	99
15) Benzyl Alcohol	6.992	79	133968	43.123	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.110	45	230504	38.352	ng	# 50
17) 2-Methylphenol	7.104	107	112336	40.276	ng	# 89
18) Hexachloroethane	7.345	117	59597	41.493	ng	97
19) n-Nitroso-di-n-propyla...	7.257	70	111583	42.861	ng	96
20) 3+4-Methylphenols	7.257	107	153927	43.013	ng	99
22) Acetophenone	7.251	105	212267	42.494	ng	# 99
24) Nitrobenzene	7.428	77	172482	40.622	ng	99
25) Isophorone	7.663	82	290389	40.756	ng	97
26) 2-Nitrophenol	7.745	139	75793	41.490	ng	93
27) 2,4-Dimethylphenol	7.781	122	86692	39.663	ng	96
28) bis(2-Chloroethoxy)met...	7.869	93	170300	39.249	ng	99
29) 2,4-Dichlorophenol	7.992	162	115766	41.218	ng	100
30) 1,2,4-Trichlorobenzene	8.063	180	130657	40.311	ng	100
31) Naphthalene	8.145	128	430481	40.088	ng	100
32) Benzoic acid	7.945	122	63970m	37.232	ng	
33) 4-Chloroaniline	8.198	127	141530	39.263	ng	96
34) Hexachlorobutadiene	8.251	225	83889	42.731	ng	99
35) Caprolactam	8.581	113	35120	41.907	ng	92
36) 4-Chloro-3-methylphenol	8.686	107	135791	42.305	ng	97
37) 2-Methylnaphthalene	8.828	142	277884	40.974	ng	99
38) 1-Methylnaphthalene	8.928	142	275470	41.451	ng	100
40) 1,2,4,5-Tetrachloroben...	8.998	216	130116	41.112	ng	98
41) Hexachlorocyclopentadiene	8.975	237	26700	36.064	ng	99
43) 2,4,6-Trichlorophenol	9.116	196	75324	39.035	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	84196	39.912	ng		100
46) 1,1'-Biphenyl	9.292	154	356764	39.983	ng		99
47) 2-Chloronaphthalene	9.322	162	264203	39.812	ng		99
48) 2-Nitroaniline	9.428	65	94348	41.936	ng		95
49) Acenaphthylene	9.733	152	370513	39.365	ng		99
50) Dimethylphthalate	9.598	163	303803	41.703	ng		100
51) 2,6-Dinitrotoluene	9.669	165	69250	42.121	ng		88
52) Acenaphthene	9.904	154	247879	39.177	ng		99
53) 3-Nitroaniline	9.839	138	66969	39.403	ng		96
54) 2,4-Dinitrophenol	9.957	184	29046	38.379	ng	#	78
55) Dibenzofuran	10.080	168	363358	40.683	ng		97
56) 4-Nitrophenol	10.028	139	37224	36.421	ng		93
57) 2,4-Dinitrotoluene	10.075	165	89734	42.780	ng	#	75
58) Fluorene	10.422	166	297308	41.802	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	59534	36.914	ng		93
60) Diethylphthalate	10.292	149	303810	43.983	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	145741	41.664	ng		95
62) 4-Nitroaniline	10.457	138	63295m	39.188	ng		
63) Azobenzene	10.569	77	315936	41.240	ng		95
65) 4,6-Dinitro-2-methylph...	10.492	198	44043	37.710	ng		95
66) n-Nitrosodiphenylamine	10.533	169	243049	40.616	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	83479	40.275	ng		97
68) Hexachlorobenzene	10.969	284	85938	40.156	ng		99
69) Atrazine	11.057	200	49041	31.765	ng		99
70) Pentachlorophenol	11.174	266	30933	32.067	ng		98
71) Phenanthrene	11.386	178	388143	39.375	ng		100
72) Anthracene	11.439	178	384448	39.588	ng		99
73) Carbazole	11.598	167	326386	38.956	ng		99
74) Di-n-butylphthalate	11.910	149	424324	45.052	ng		99
75) Fluoranthene	12.574	202	354389	38.509	ng		99
77) Benzidine	12.698	184	77137	36.767	ng		98
78) Pyrene	12.804	202	340043	41.174	ng		99
80) Butylbenzylphthalate	13.410	149	115835	43.800	ng		99
81) Benzo(a)anthracene	13.992	228	240416	39.802	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	64221	41.548	ng		98
83) Chrysene	14.027	228	222237	40.781	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	152506	39.380	ng		99
85) Di-n-octyl phthalate	14.574	149	259891	36.272	ng		97
87) Indeno(1,2,3-cd)pyrene	16.951	276	248398	35.784	ng		97
88) Benzo(b)fluoranthene	15.045	252	236927m	39.457	ng		
89) Benzo(k)fluoranthene	15.068	252	205507	39.529	ng		98
90) Benzo(a)pyrene	15.410	252	201837	39.962	ng		98
91) Dibenzo(a,h)anthracene	16.956	278	204676	35.919	ng		98
92) Benzo(g,h,i)perylene	17.398	276	204358	34.561	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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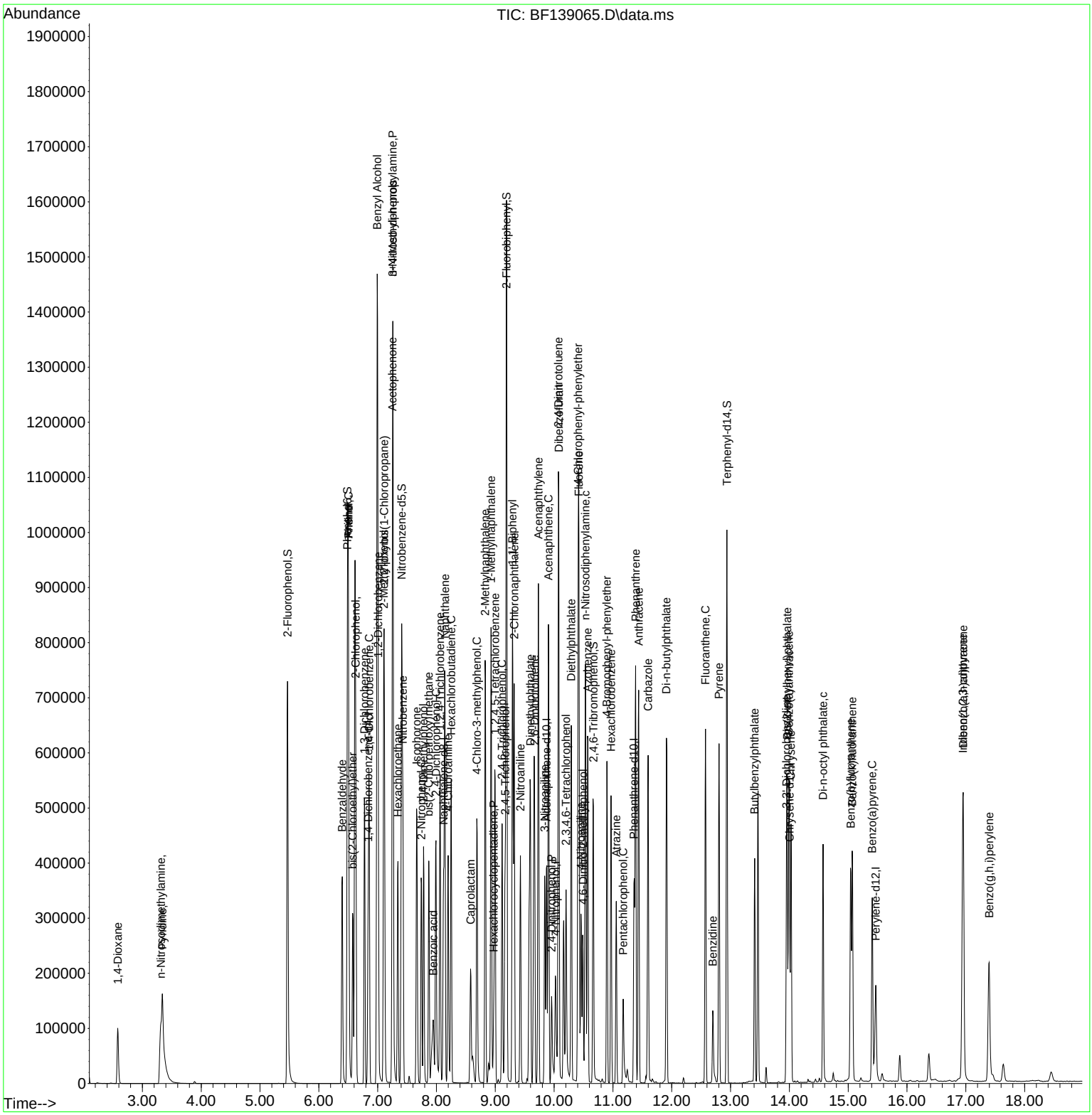
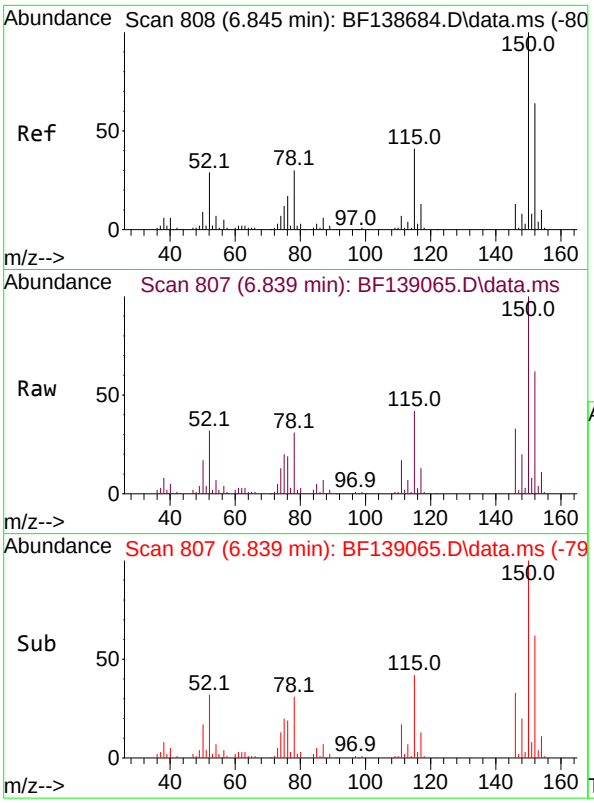
Supervised By :mohammad ahmed 08/21/2024

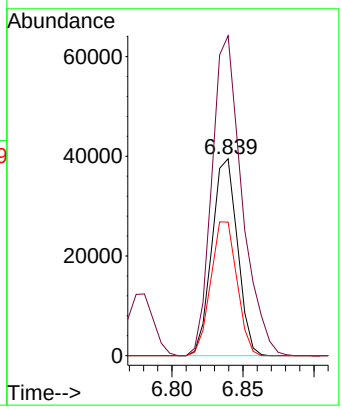




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:152 Resp: 4955

Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.0	189.0
115	67.8	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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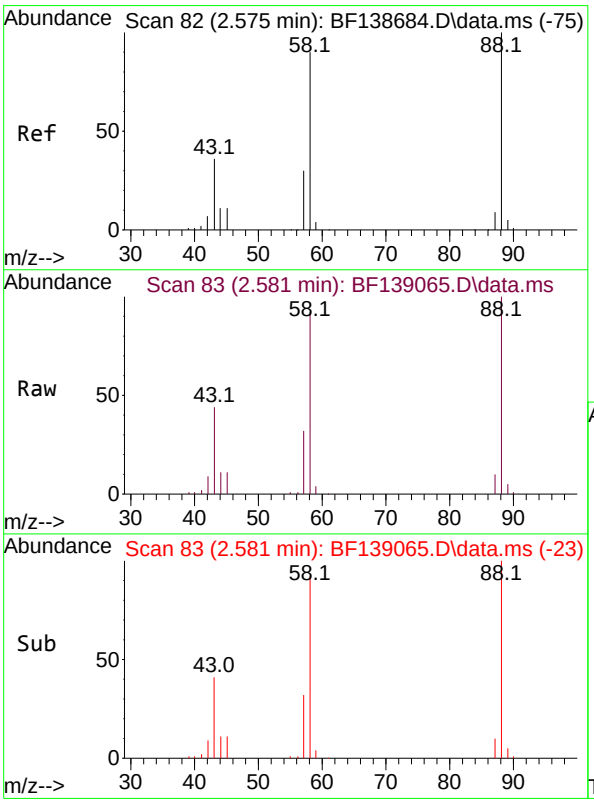
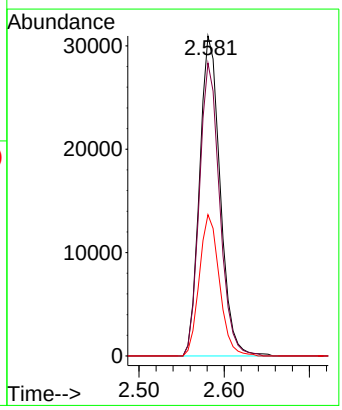
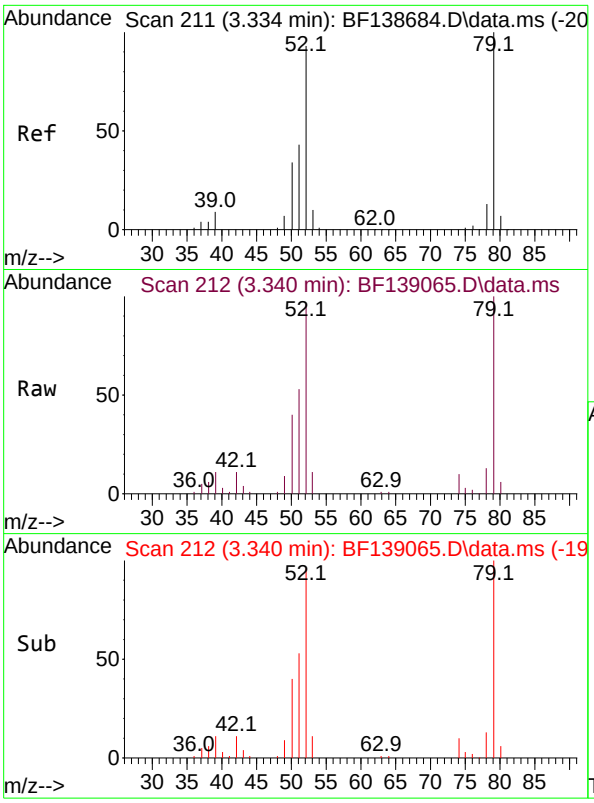


#2
1,4-Dioxane
Concen: 36.932 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 88 Resp: 51910

Ion	Ratio	Lower	Upper
88	100		
58	90.1	71.6	107.4
43	43.2	28.7	43.1#

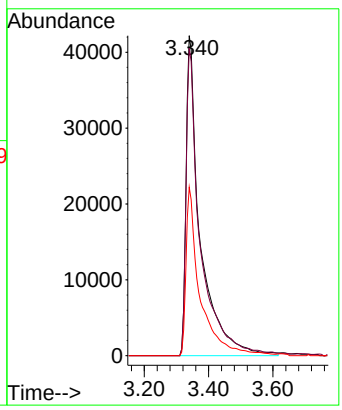




#3
Pyridine
Concen: 38.014 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 79 Resp: 12943

Ion	Ratio	Lower	Upper
79	100		
52	96.1	74.7	112.1
51	52.6	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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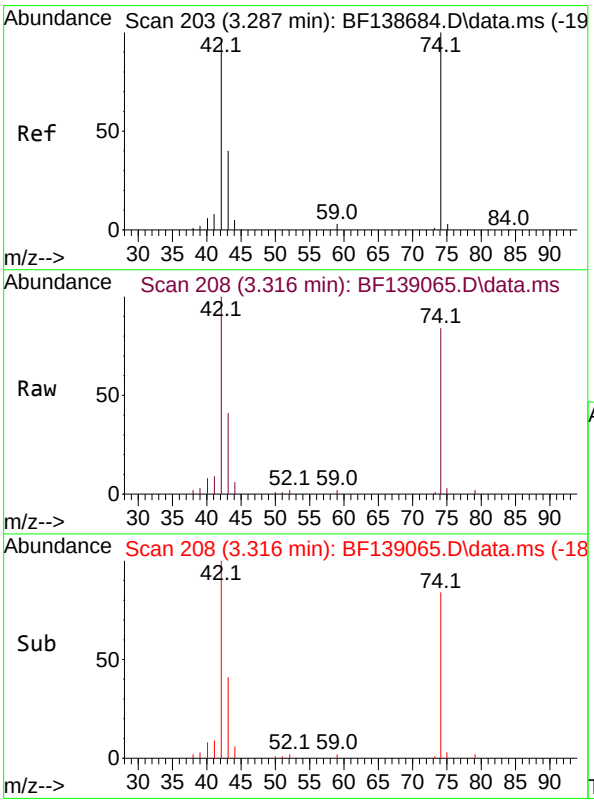
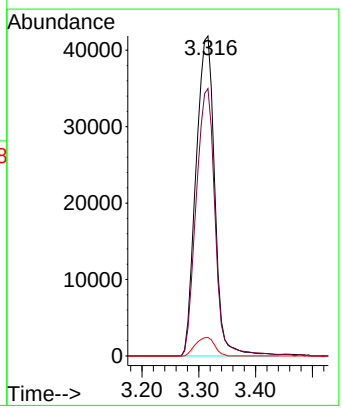
Supervised By :mohammad ahmed 08/21/2024

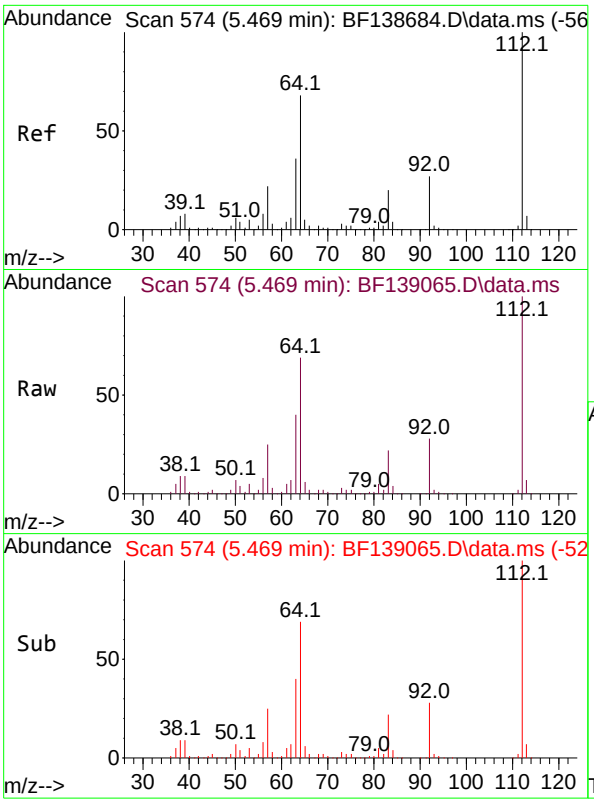


#4
n-Nitrosodimethylamine
Concen: 47.266 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.029 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 42 Resp: 95849

Ion	Ratio	Lower	Upper
42	100		
74	83.6	84.2	126.4#
44	5.8	4.9	7.3





#5
2-Fluorophenol
Concen: 80.493 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:112 Resp: 25841

Ion	Ratio	Lower	Upper
112	100		
64	69.3	54.2	81.4
63	40.4	28.7	43.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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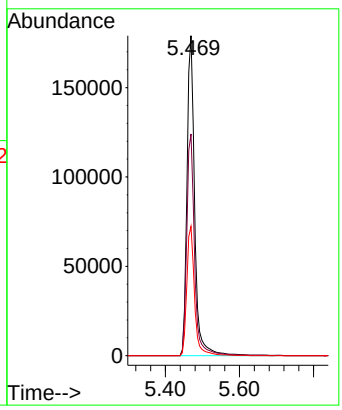
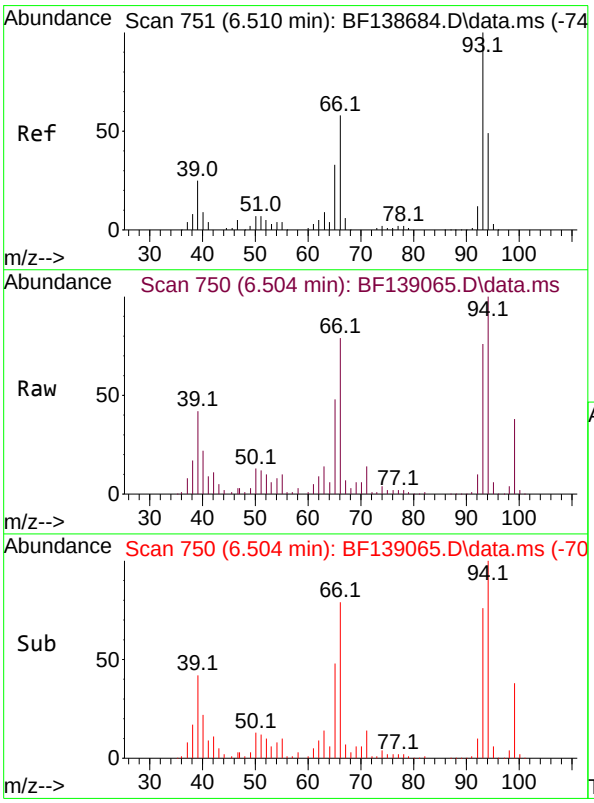
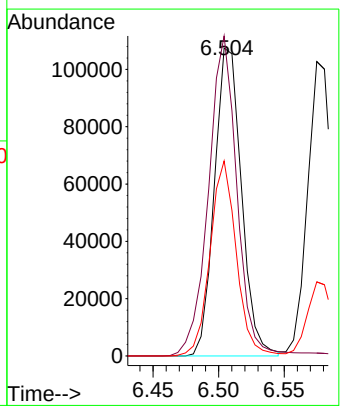


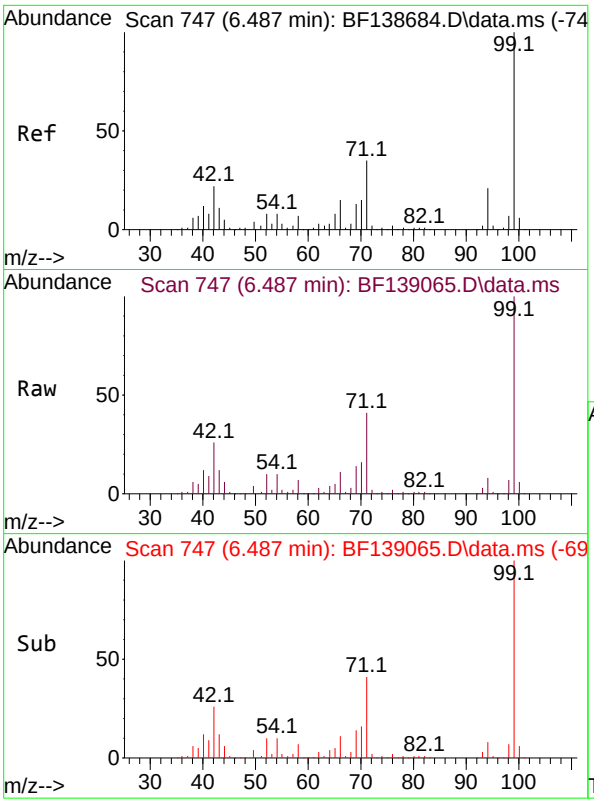


#6
Aniline
Concen: 40.078 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 93 Resp: 154062

Ion	Ratio	Lower	Upper
93	100		
66	103.9	46.9	70.3#
65	63.3	26.5	39.7#

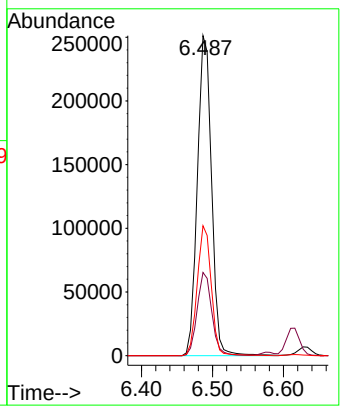




#7
Phenol-d6
Concen: 81.243 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 99 Resp: 35018

Ion	Ratio	Lower	Upper
99	100		
42	26.0	17.4	26.0
71	40.6	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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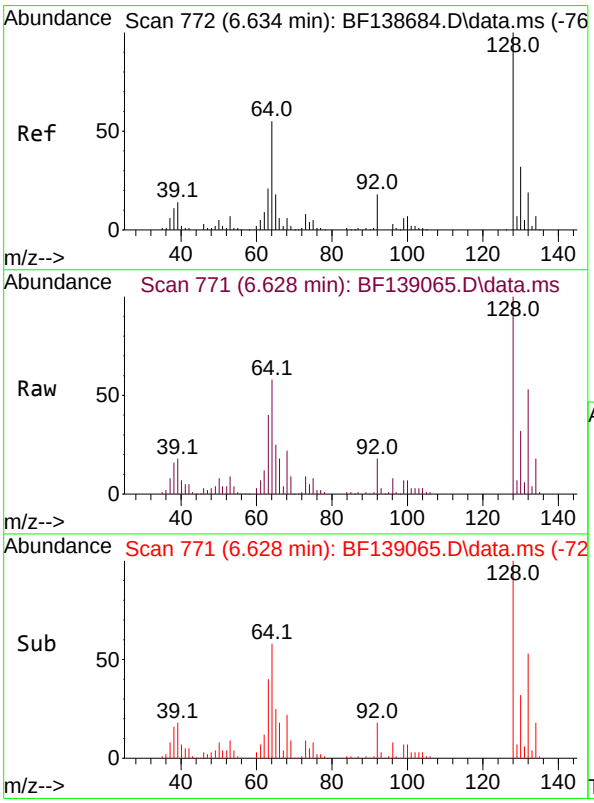
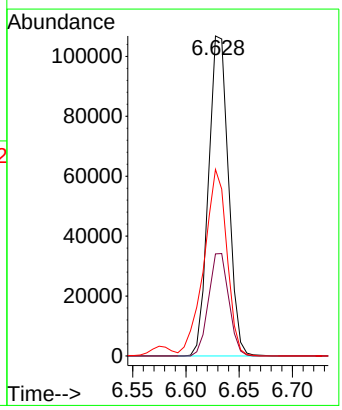
Supervised By :mohammad ahmed 08/21/2024

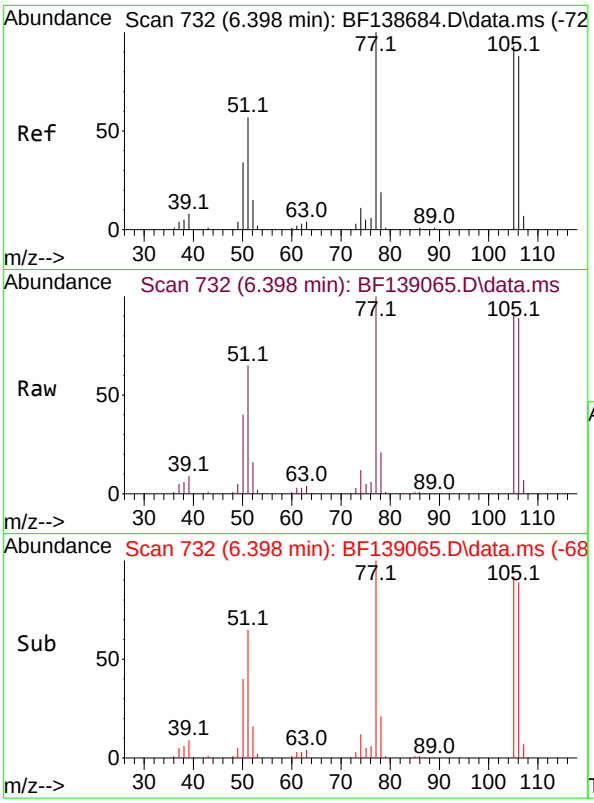


#8
2-Chlorophenol
Concen: 41.181 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:128 Resp: 139100

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	58.3	36.3	76.3

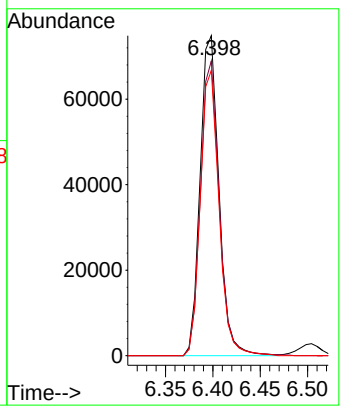




#9
Benzaldehyde
Concen: 40.040 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 77 Resp: 10345

Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.9	112.9
106	89.2	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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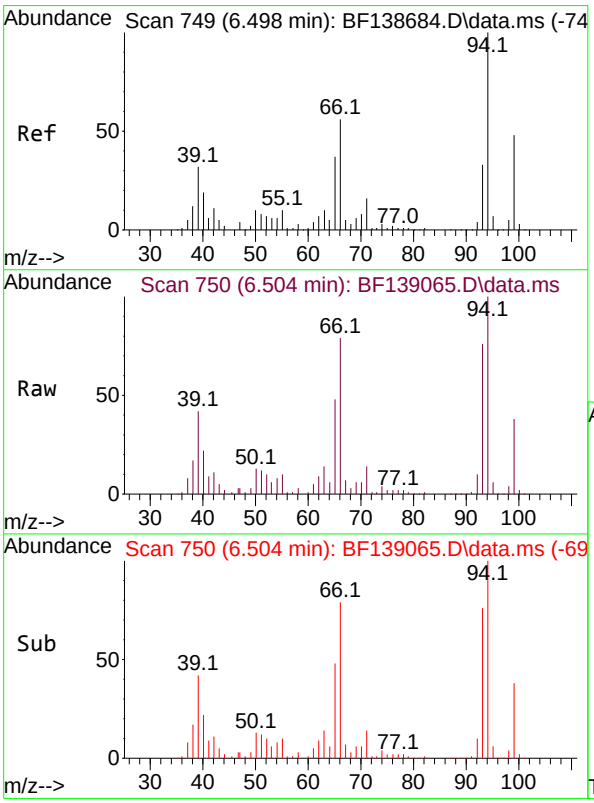
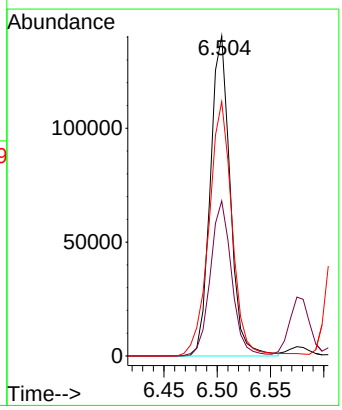
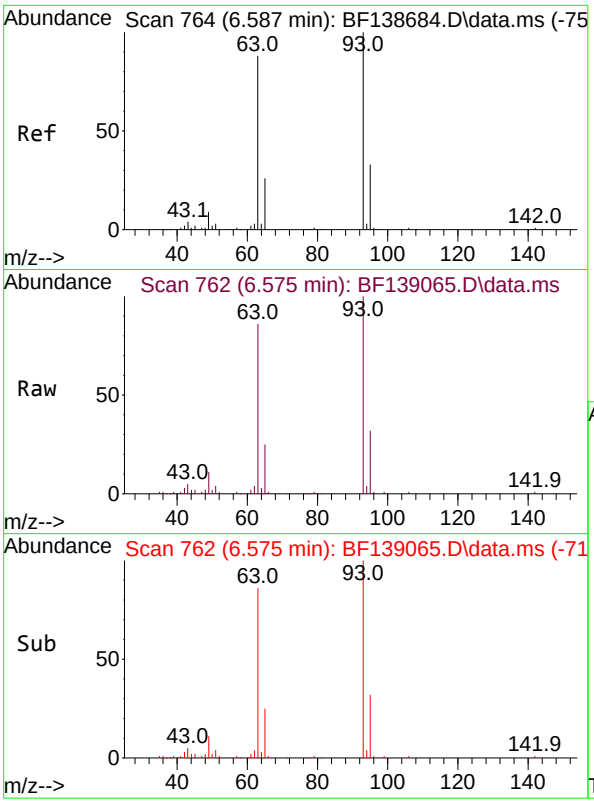


#10
Phenol
Concen: 40.094 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 94 Resp: 181959

Ion	Ratio	Lower	Upper
94	100		
65	48.4	16.9	56.9
66	79.5	36.5	76.5#

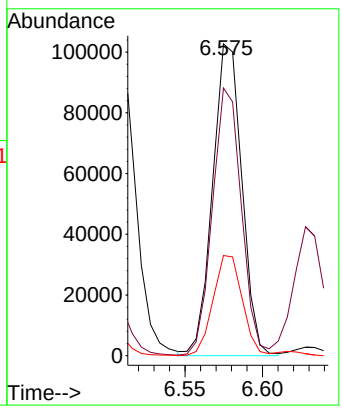




#11
bis(2-Chloroethyl)ether
Concen: 38.666 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 93 Resp: 13503

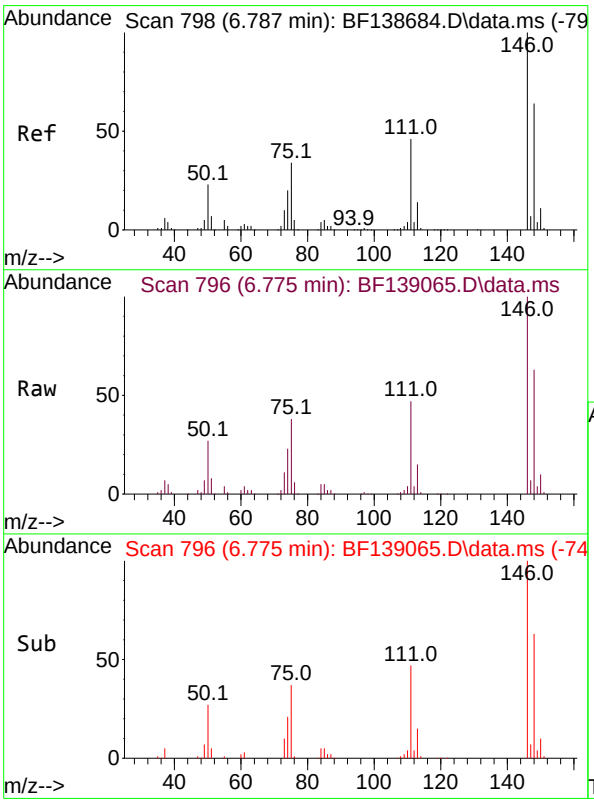
Ion	Ratio	Lower	Upper
93	100		
63	85.8	65.3	105.3
95	32.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

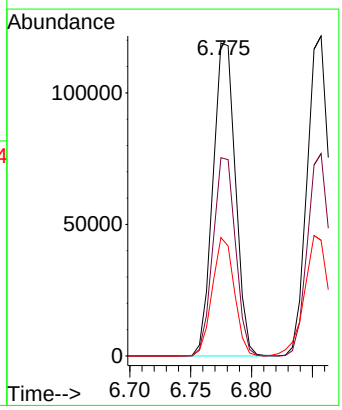
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

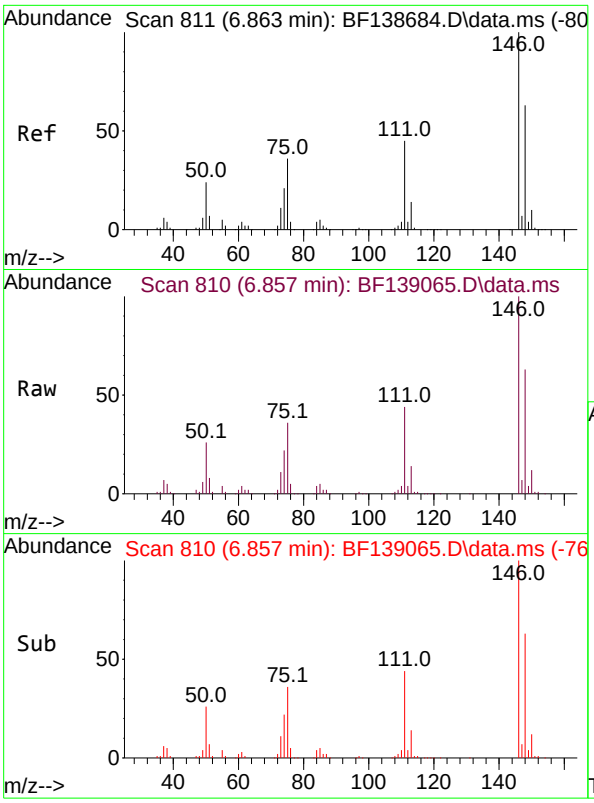


#12
1,3-Dichlorobenzene
Concen: 40.543 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:146 Resp: 153291

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.2	76.8
75	37.8	27.4	41.2

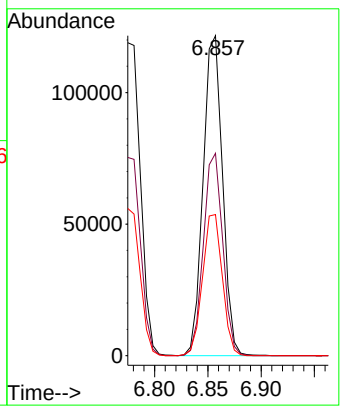




#13
1,4-Dichlorobenzene
Concen: 40.522 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:146 Resp: 15462

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.2	75.2
111	44.1	35.9	53.9



Instrument :
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ClientSampleId :
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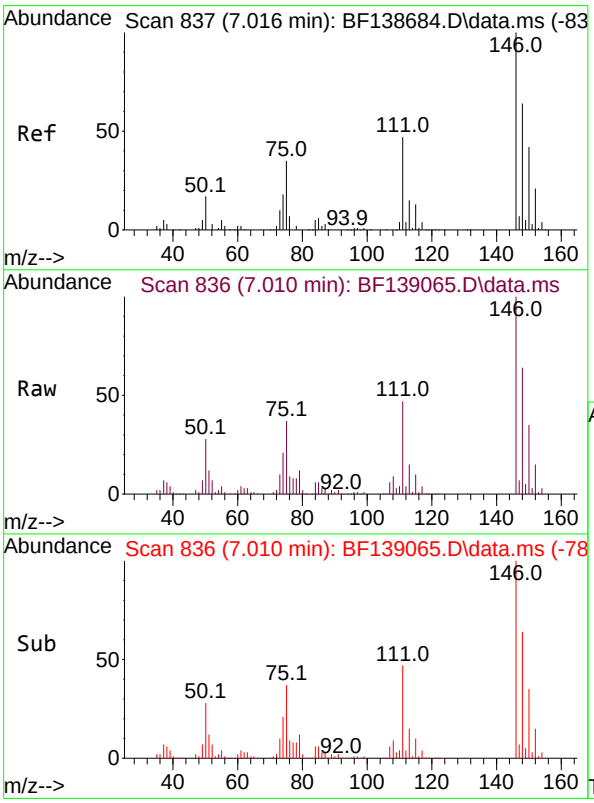
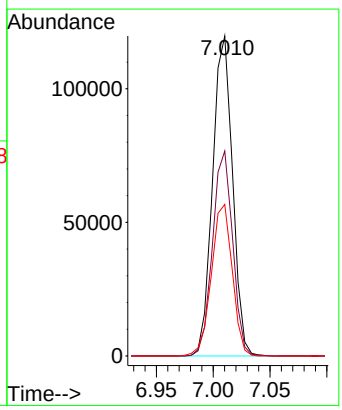
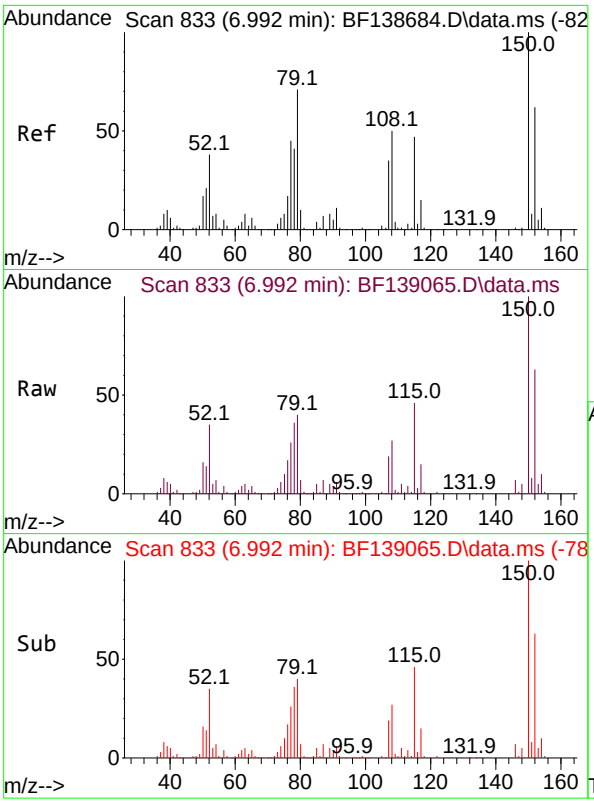


#14
1,2-Dichlorobenzene
Concen: 41.060 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:146 Resp: 146421

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	47.3	37.4	56.2





#15
Benzyl Alcohol
Concen: 43.123 ng
RT: 6.992 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 79 Resp: 13396

Ion	Ratio	Lower	Upper
79	100		
108	66.5	56.6	85.0
77	64.8	50.3	75.5

Instrument :
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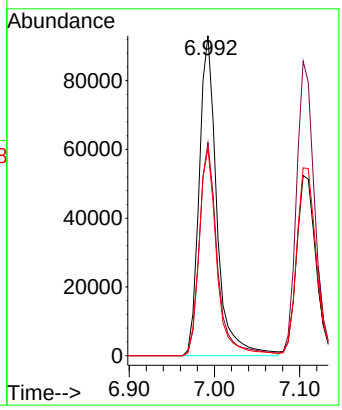
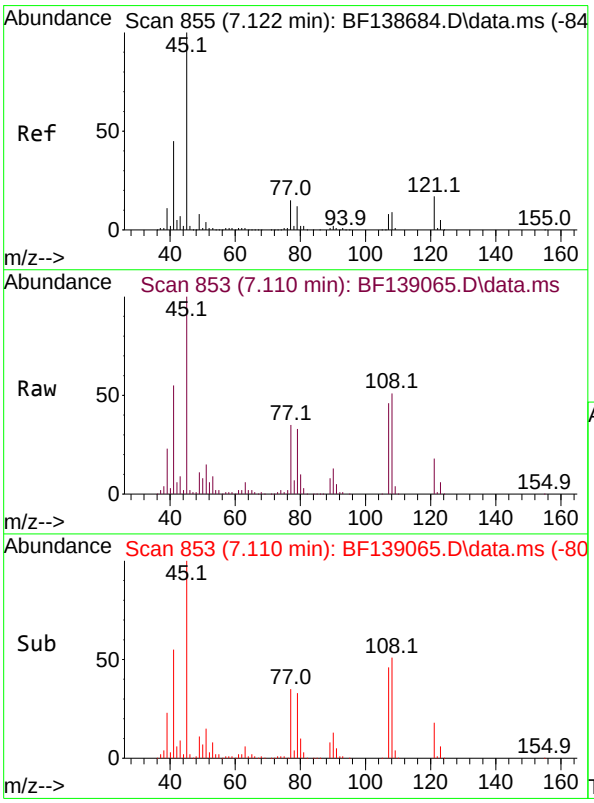
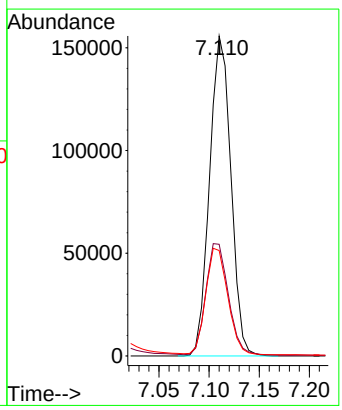


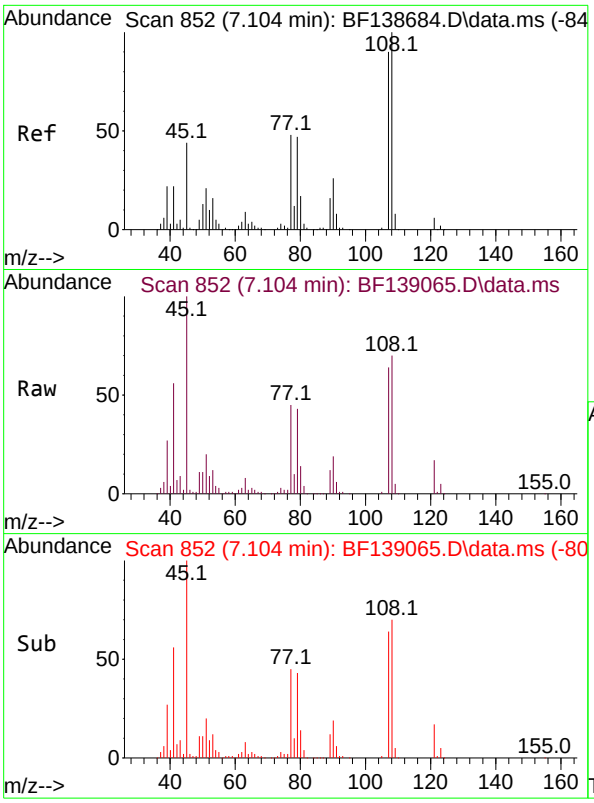


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.352 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 45 Resp: 230504

Ion	Ratio	Lower	Upper
45	100		
77	34.9	0.0	34.9#
79	33.0	0.0	32.2#





#17
2-Methylphenol
Concen: 40.276 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:107 Resp: 11233

Ion	Ratio	Lower	Upper
107	100		
108	108.9	89.2	133.8
77	69.4	43.0	64.4#
79	66.6	42.2	63.2#

Instrument :
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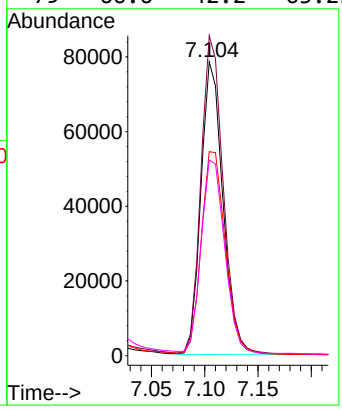
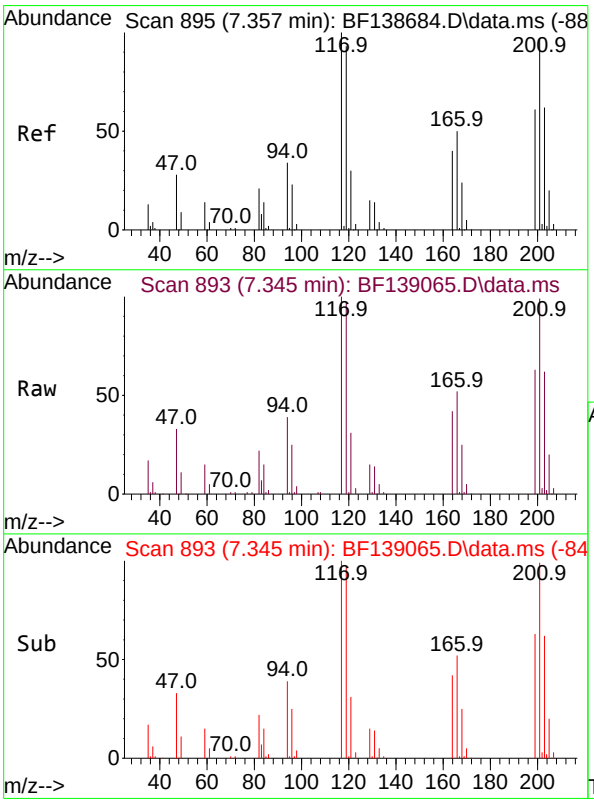
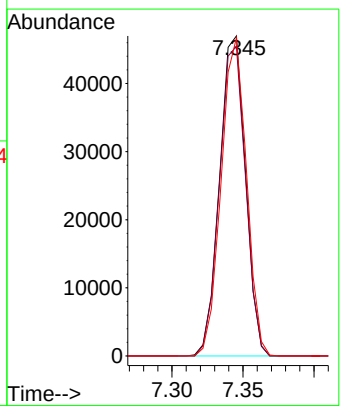


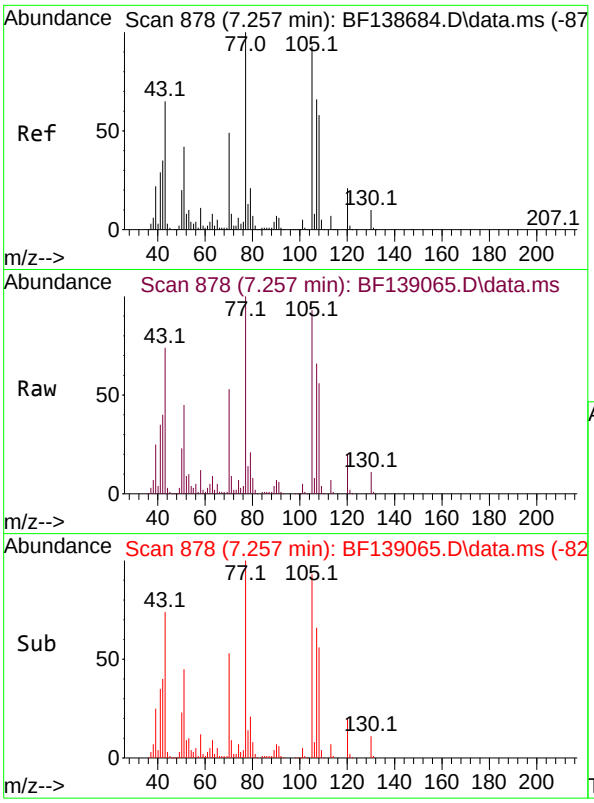


#18
Hexachloroethane
Concen: 41.493 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:117 Resp: 59597

Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.6	111.8
201	99.4	77.2	115.8

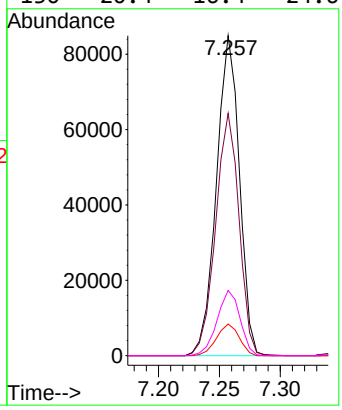




#19
n-Nitroso-di-n-propylamine
Concen: 42.861 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 70 Resp: 11158

Ion	Ratio	Lower	Upper
70	100		
42	75.7	57.4	86.0
101	9.9	7.5	11.3
130	20.4	16.4	24.6



Instrument :
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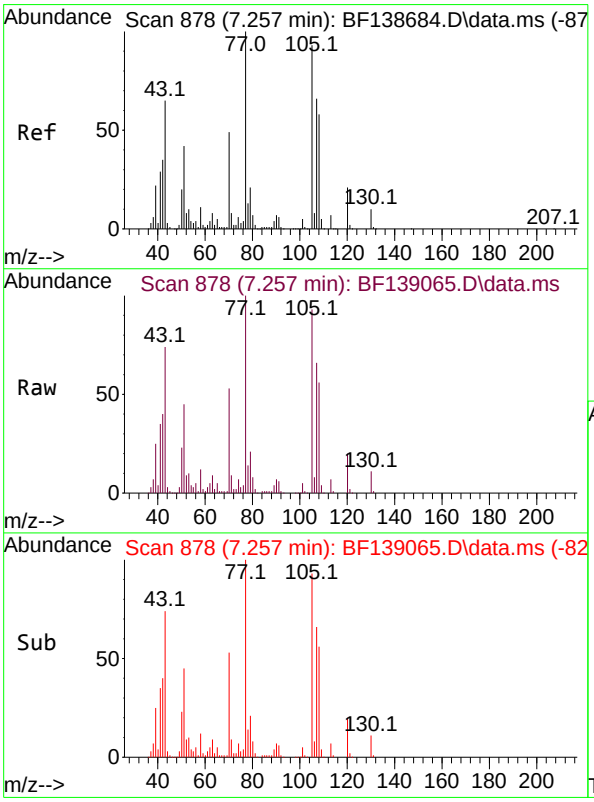
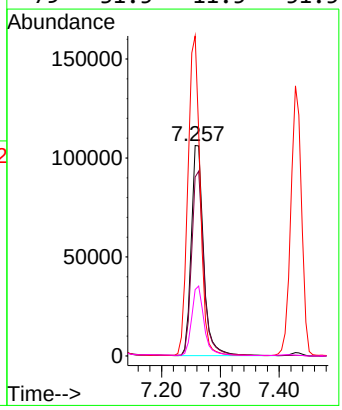
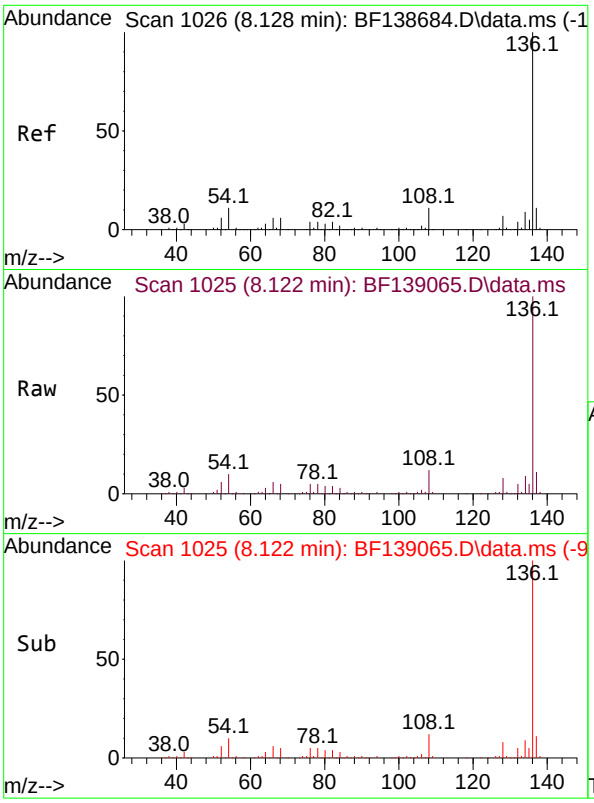


#20
3+4-Methylphenols
Concen: 43.013 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:107 Resp: 153927

Ion	Ratio	Lower	Upper
107	100		
108	85.0	68.2	108.2
77	152.1	132.1	172.1
79	31.5	11.5	51.5

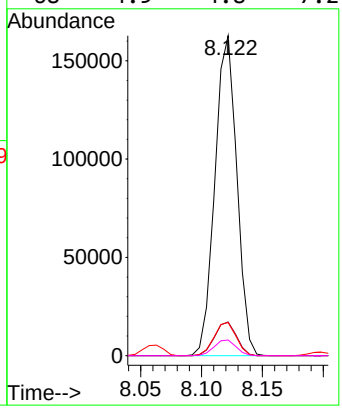




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:136 Resp: 20401

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.3	8.6	12.8
68	4.9	4.8	7.2



Instrument :
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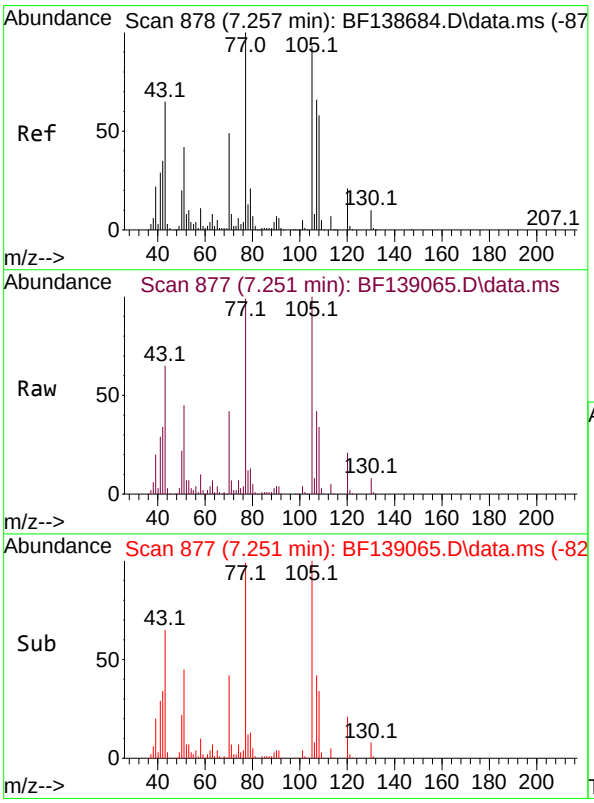
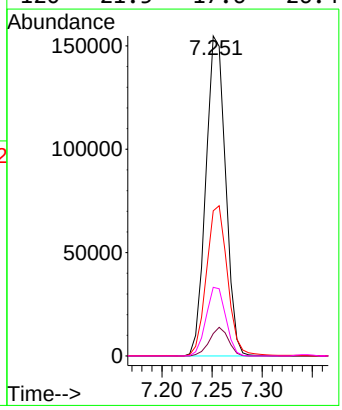
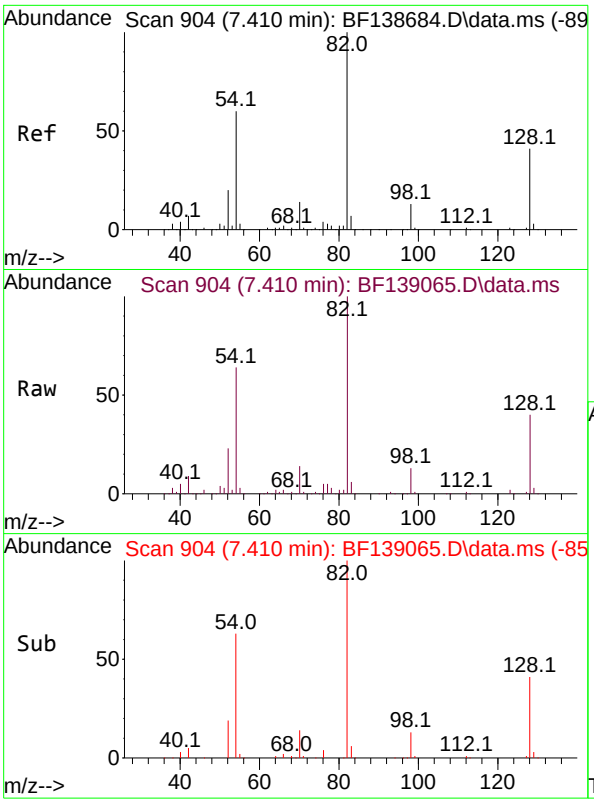


#22
Acetophenone
Concen: 42.494 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:105 Resp: 212267

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.2	10.8#
51	45.3	35.9	53.9
120	21.5	17.6	26.4





#23
Nitrobenzene-d5
Concen: 83.935 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 82 Resp: 35023

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.8	49.2
54	64.0	48.3	72.5

Instrument :
BNA_F
ClientSampleId :
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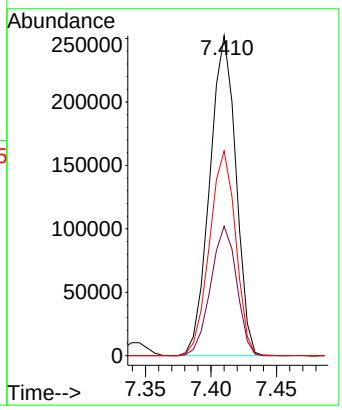
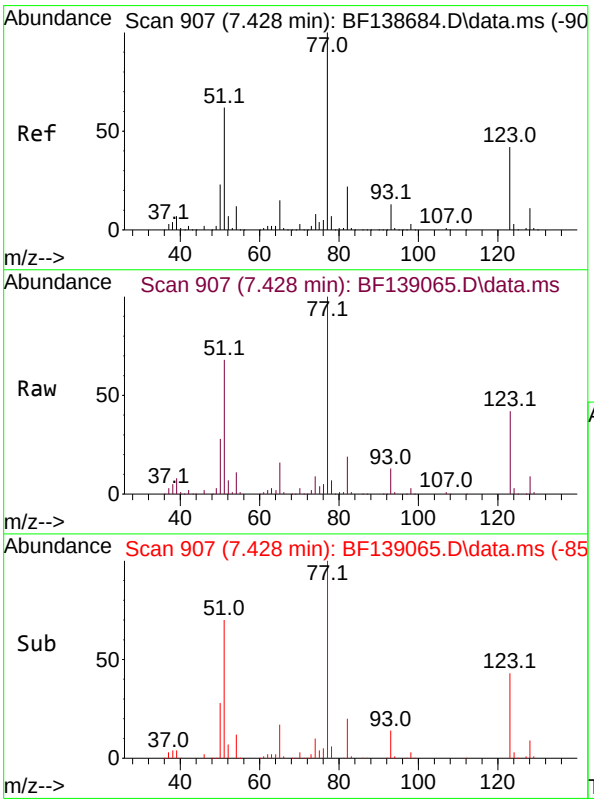
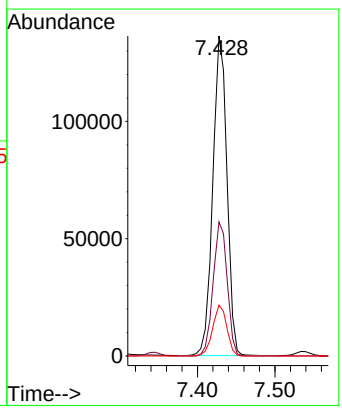


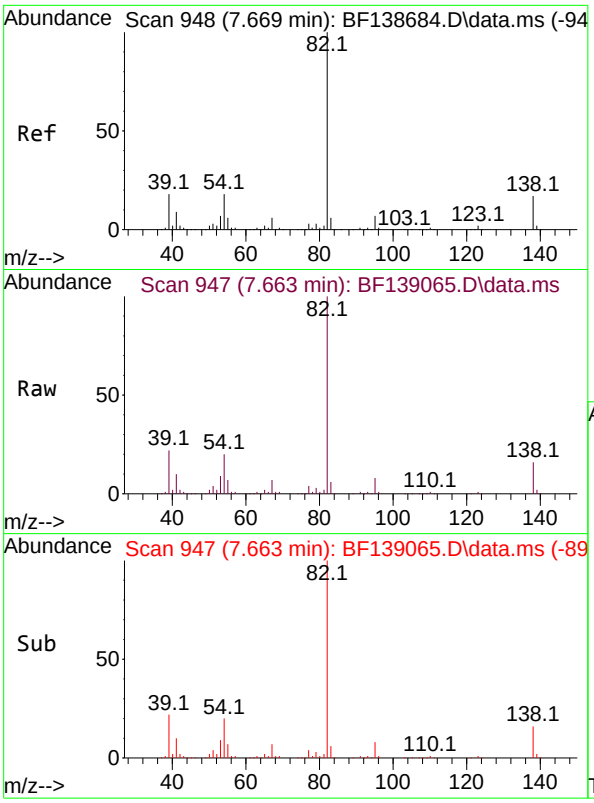


#24
Nitrobenzene
Concen: 40.622 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 77 Resp: 172482

Ion	Ratio	Lower	Upper
77	100		
123	41.9	33.3	49.9
65	15.9	11.9	17.9

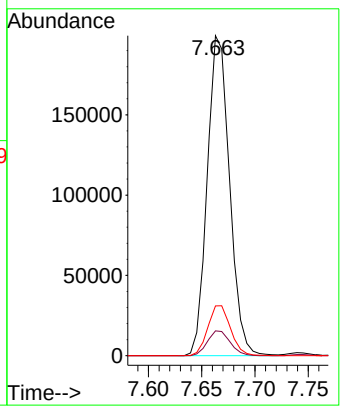




#25
Isophorone
Concen: 40.756 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 82 Resp: 290389

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.7	8.5
138	15.6	13.7	20.5



Instrument :
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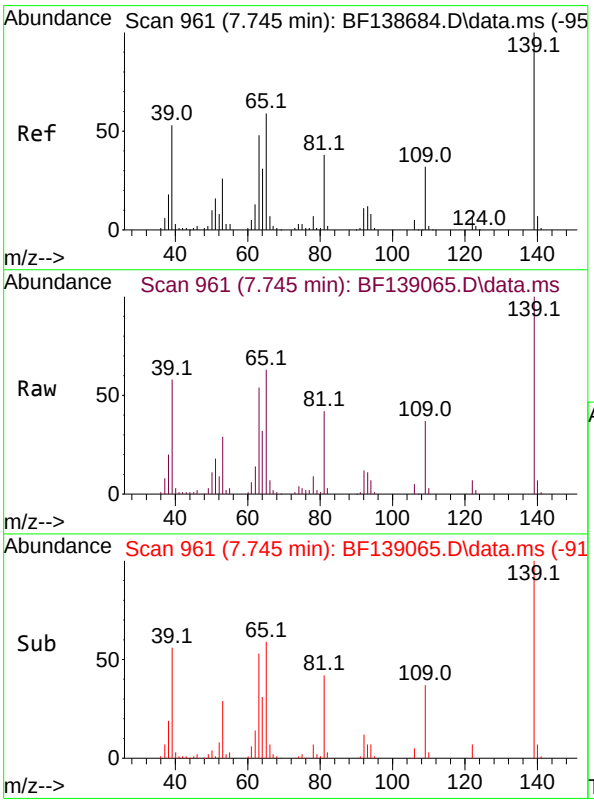
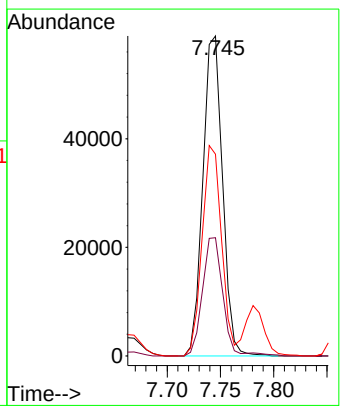
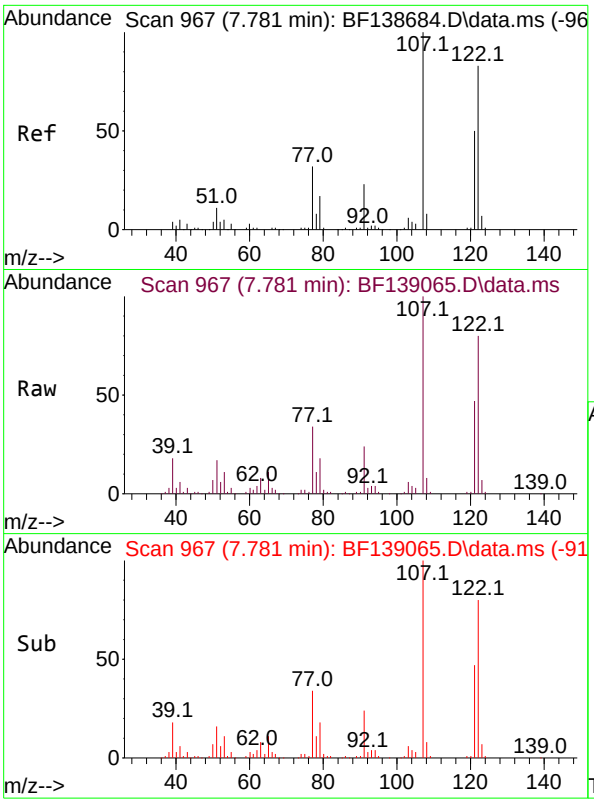


#26
2-Nitrophenol
Concen: 41.490 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:139 Resp: 75793

Ion	Ratio	Lower	Upper
139	100		
109	37.0	25.9	38.9
65	63.1	47.0	70.6

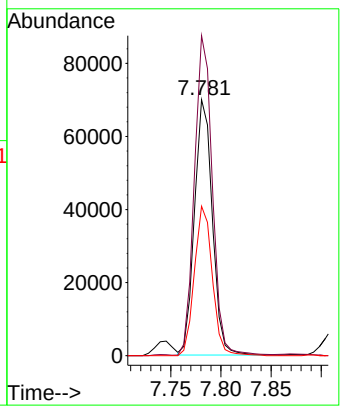




#27
2,4-Dimethylphenol
Concen: 39.663 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:122 Resp: 8669

Ion	Ratio	Lower	Upper
122	100		
107	125.0	95.0	142.6
121	58.3	47.3	70.9



Instrument :
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ClientSampleId :
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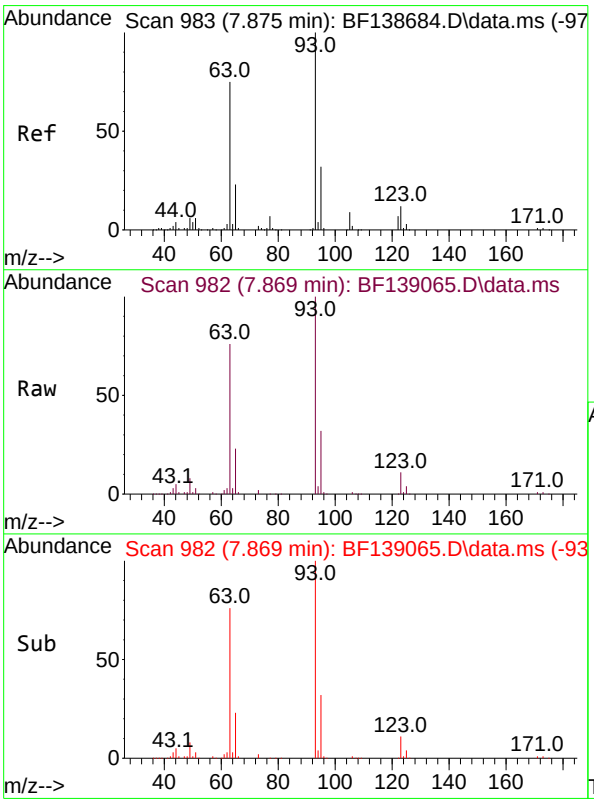
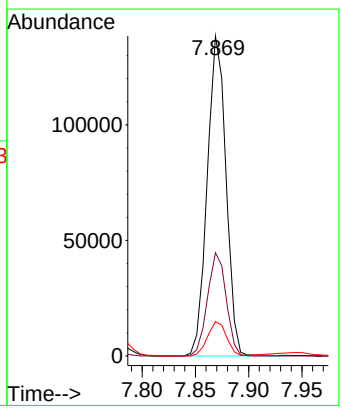
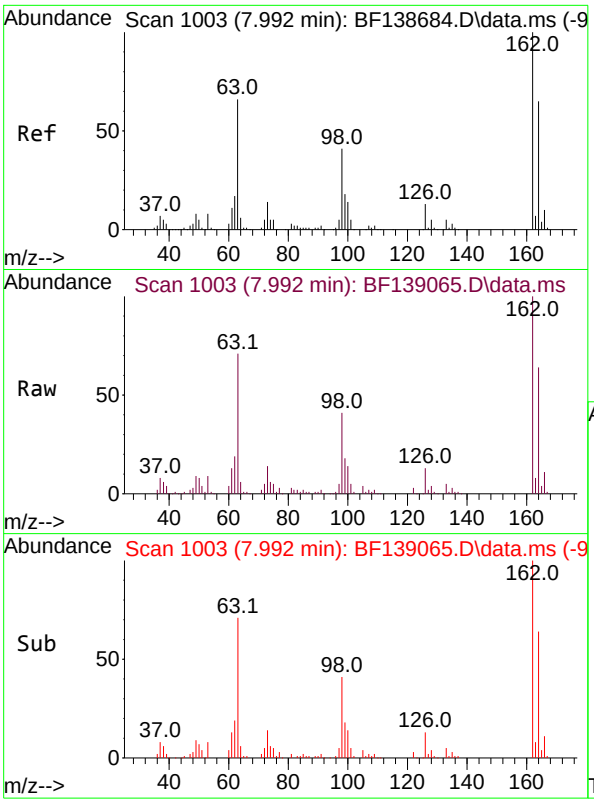


#28
bis(2-Chloroethoxy)methane
Concen: 39.249 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 93 Resp: 170300

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.7	9.4	14.0

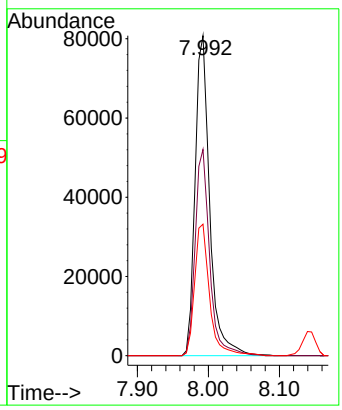




#29
2,4-Dichlorophenol
Concen: 41.218 ng
RT: 7.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:162 Resp: 11576

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	41.1	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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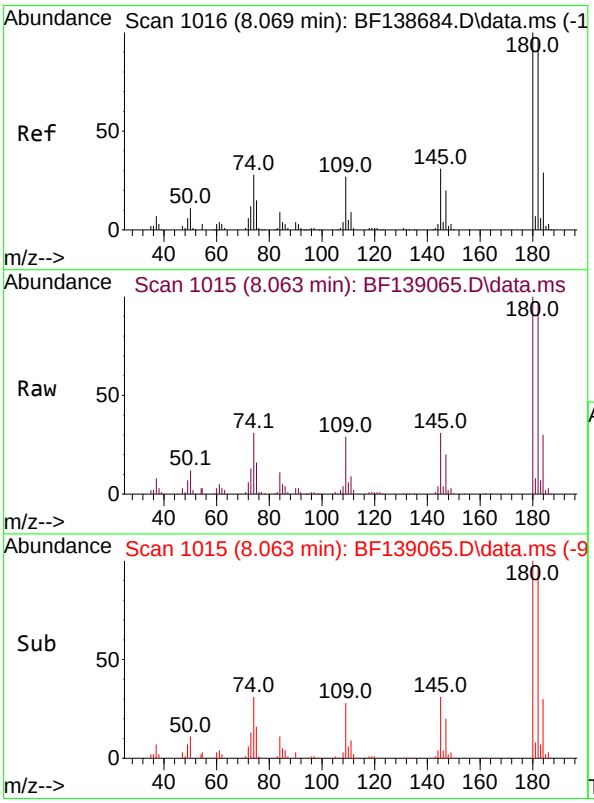
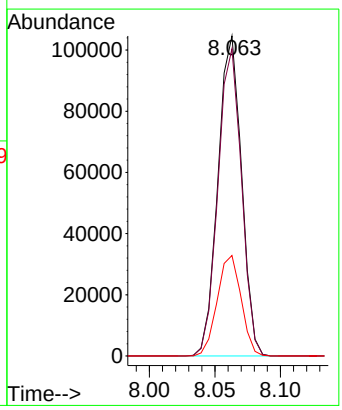
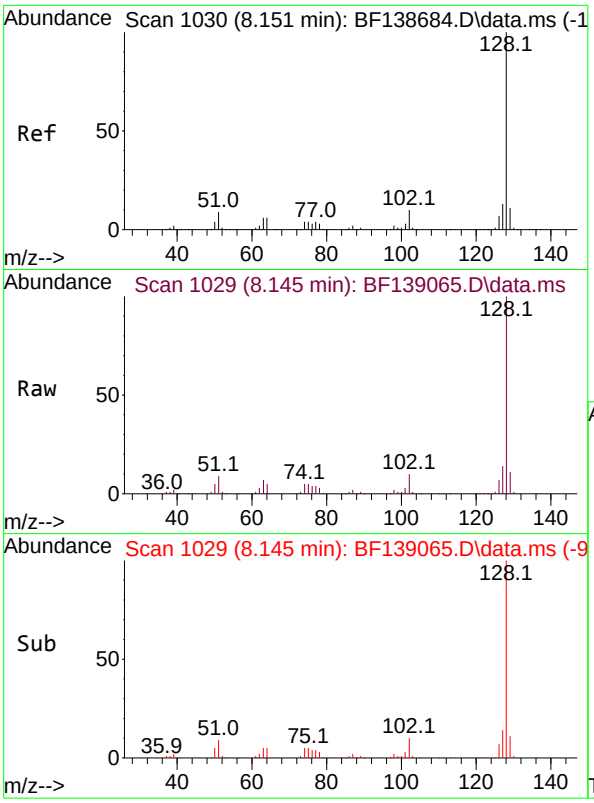


#30
1,2,4-Trichlorobenzene
Concen: 40.311 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:180 Resp: 130657

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
145	31.4	25.0	37.4





#31
Naphthalene
Concen: 40.088 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:128 Resp: 43048

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.5	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
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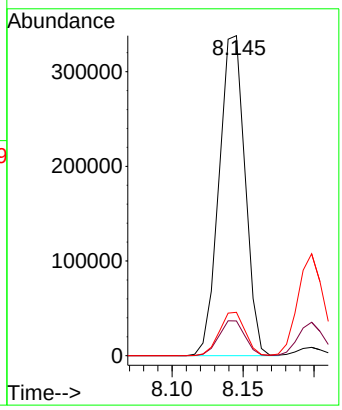
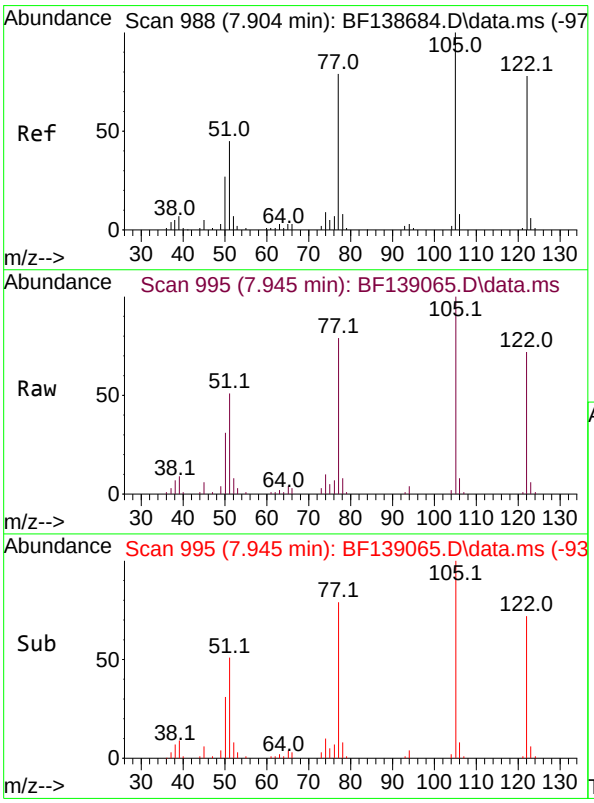
Supervised By :mohammad ahmed 08/21/2024

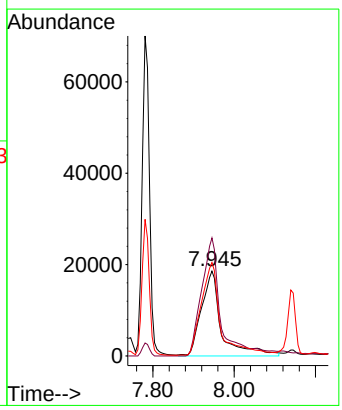


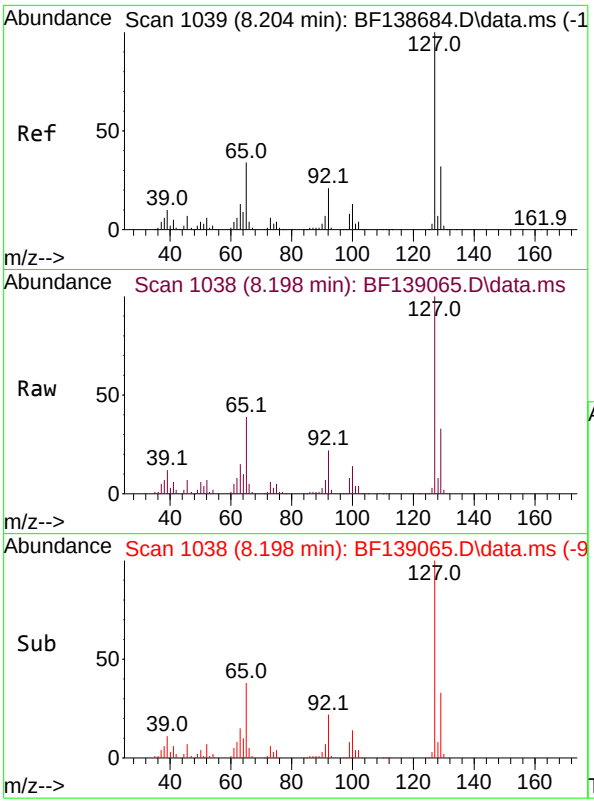


#32
Benzoic acid
Concen: 37.232 ng m
RT: 7.945 min Scan# 995
Delta R.T. 0.041 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:122 Resp: 63970

Ion	Ratio	Lower	Upper
122	100		
105	139.4	106.7	146.7
77	110.3	81.1	121.1

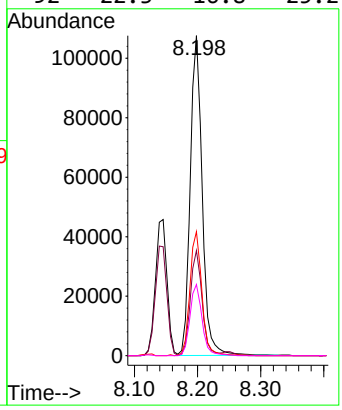




#33
4-Chloroaniline
Concen: 39.263 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:127 Resp: 14153

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.9	38.9
65	38.8	27.6	41.4
92	22.3	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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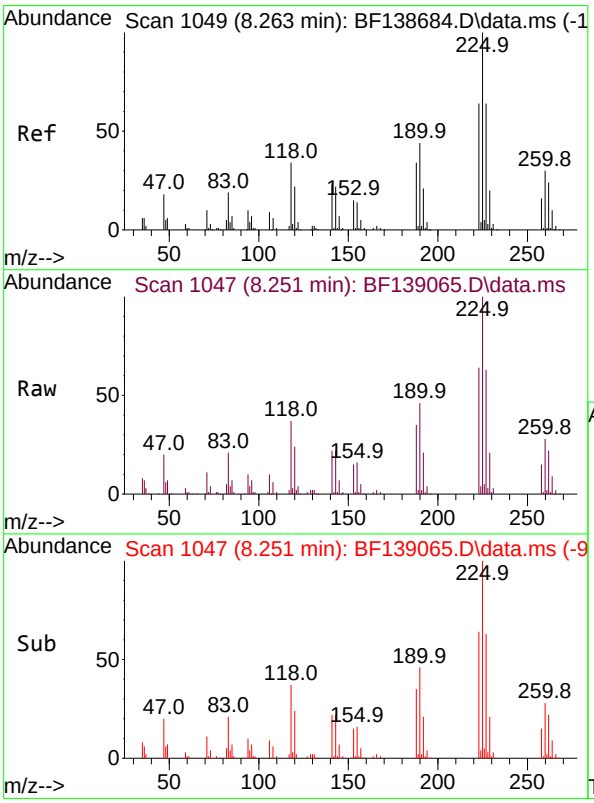
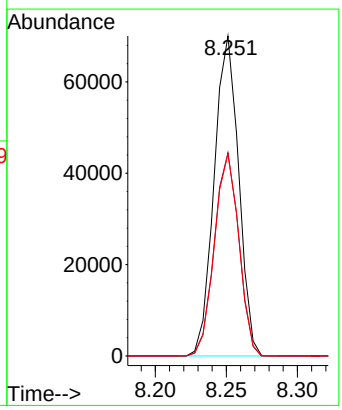
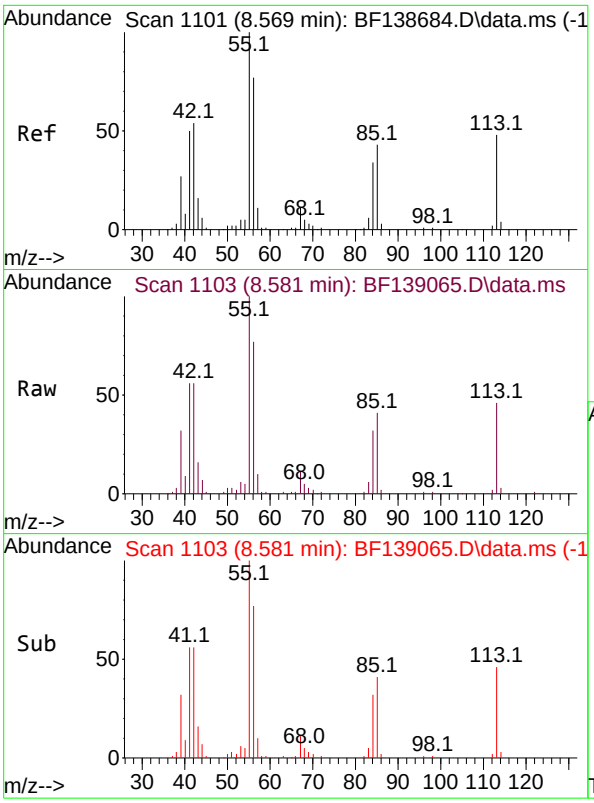


#34
Hexachlorobutadiene
Concen: 42.731 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:225 Resp: 83889

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.2	76.8
227	63.1	51.1	76.7

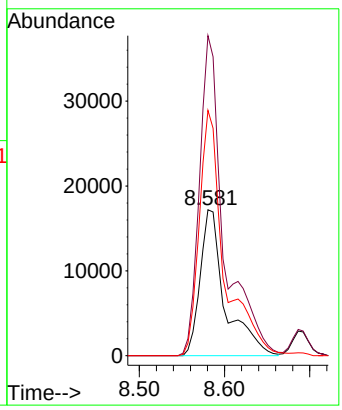




#35
Caprolactam
Concen: 41.907 ng
RT: 8.581 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:113 Resp: 3512

Ion	Ratio	Lower	Upper
113	100		
55	219.3	186.7	226.7
56	168.0	138.9	178.9



Instrument :
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ClientSampleId :
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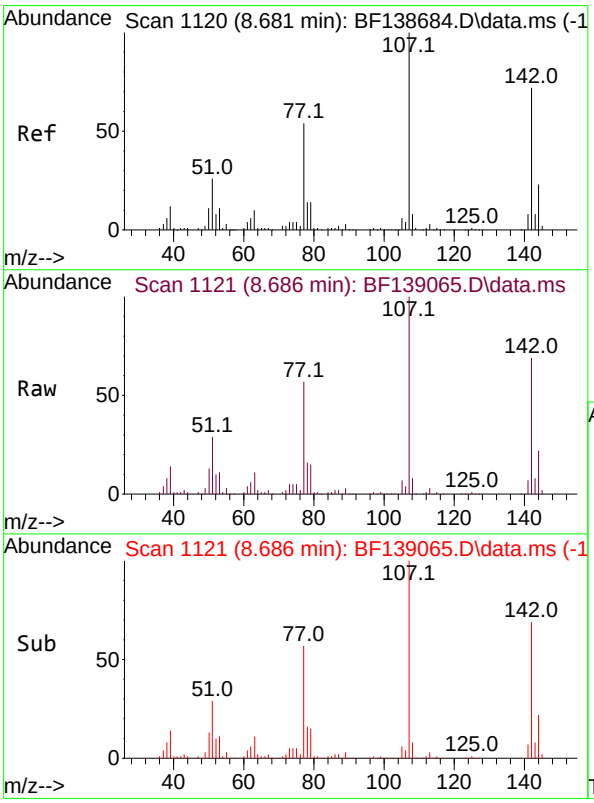
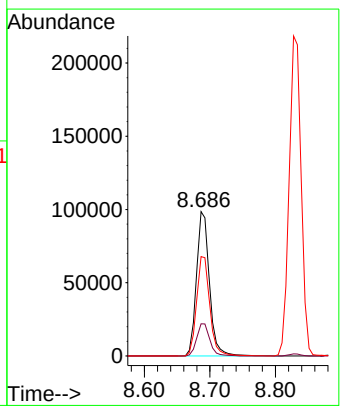
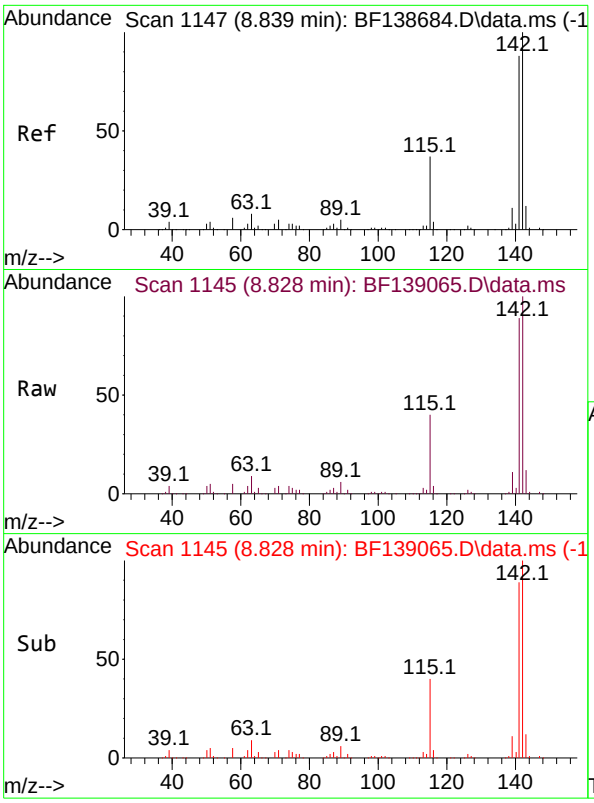


#36
4-Chloro-3-methylphenol
Concen: 42.305 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:107 Resp: 135791

Ion	Ratio	Lower	Upper
107	100		
144	22.3	18.2	27.2
142	68.8	57.4	86.2

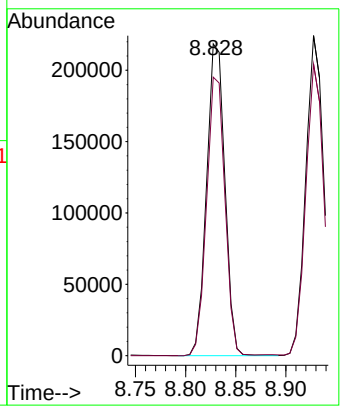




#37
2-Methylnaphthalene
Concen: 40.974 ng
RT: 8.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:142 Resp: 27788

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2



Instrument :
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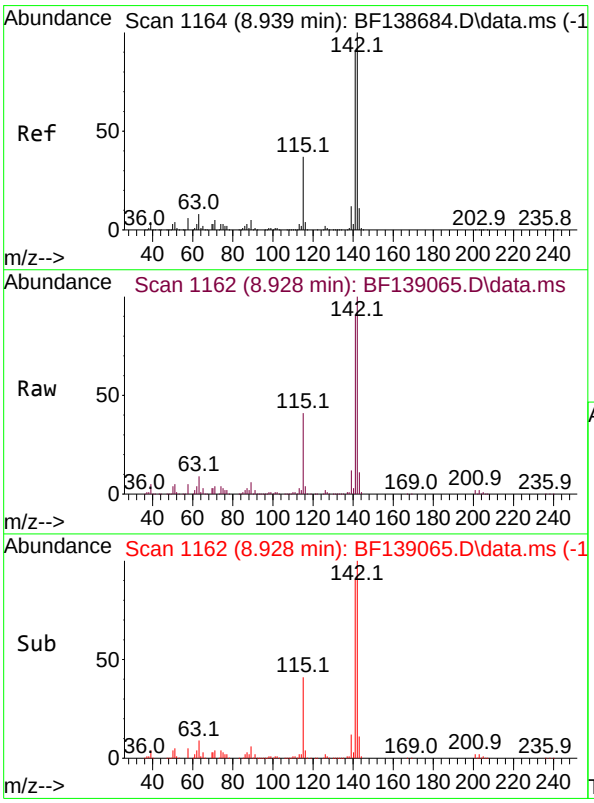
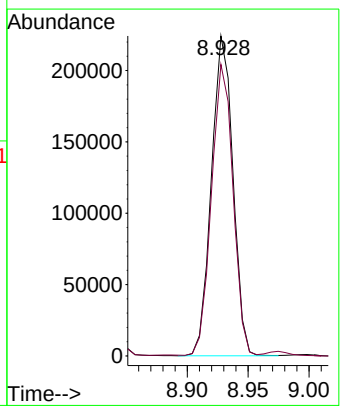
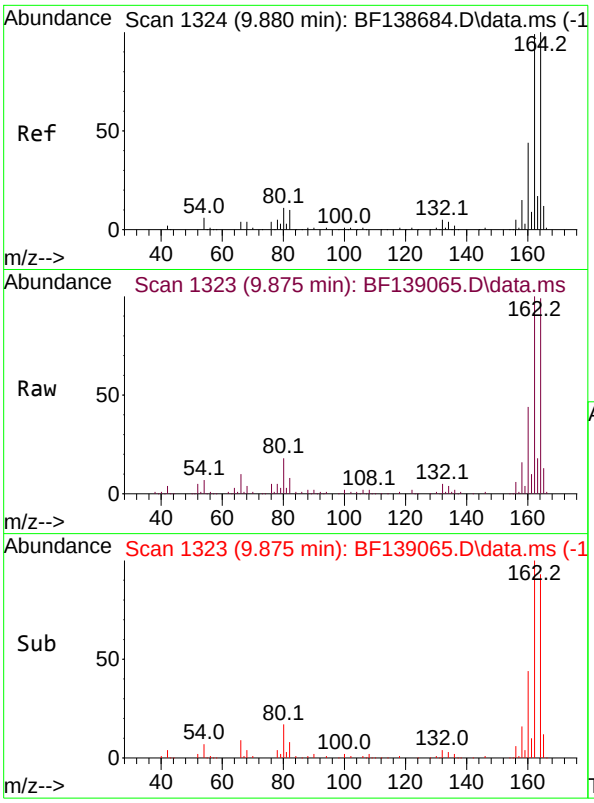


#38
1-Methylnaphthalene
Concen: 41.451 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:142 Resp: 275470

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.1	109.7

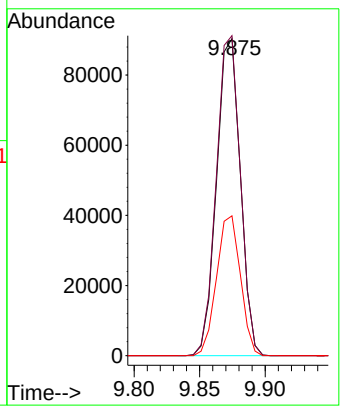




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:164 Resp: 11393

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.0
160	44.1	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
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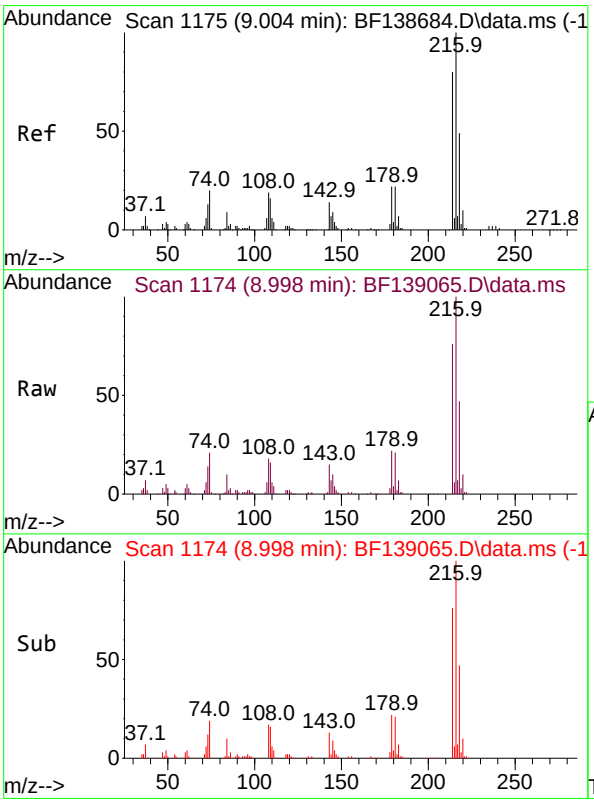
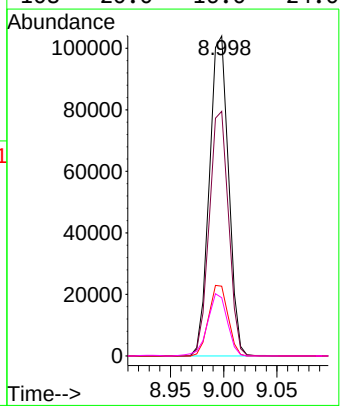
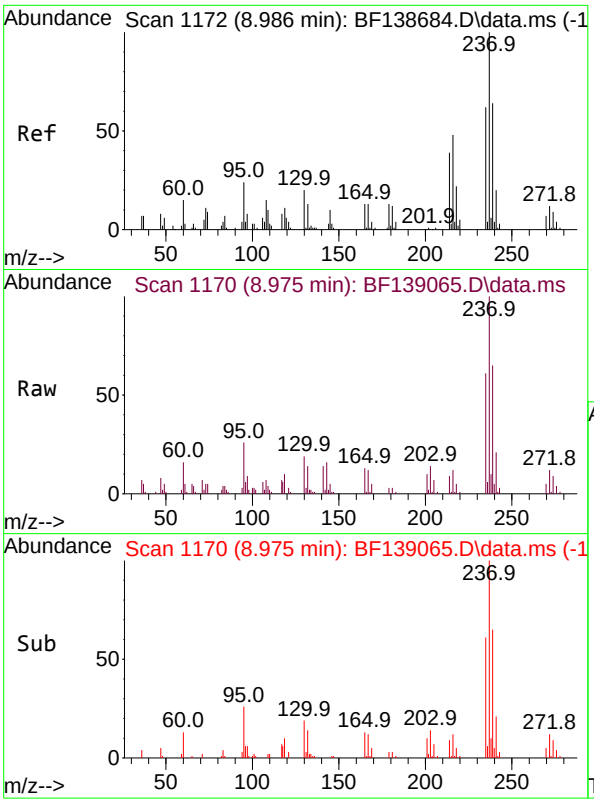


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.112 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:216 Resp: 130116

Ion	Ratio	Lower	Upper
216	100		
214	76.8	63.9	95.9
179	22.2	17.8	26.6
108	20.0	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 36.064 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:237 Resp: 2670

Ion	Ratio	Lower	Upper
237	100		
235	60.9	41.8	81.8
272	12.5	0.0	32.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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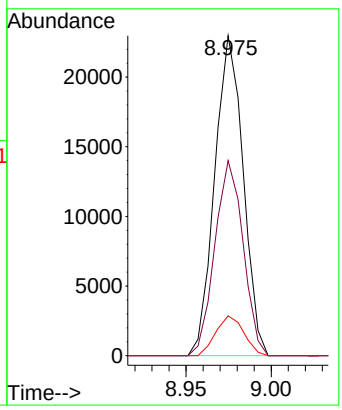
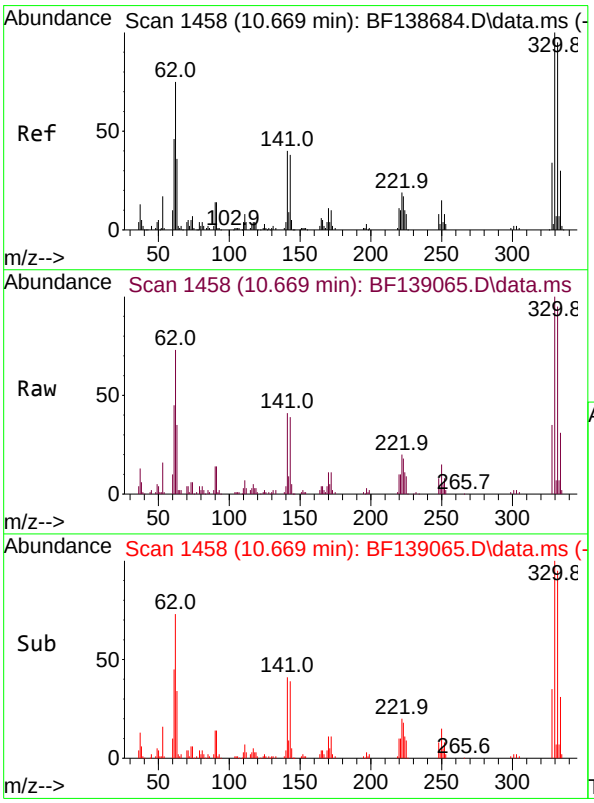
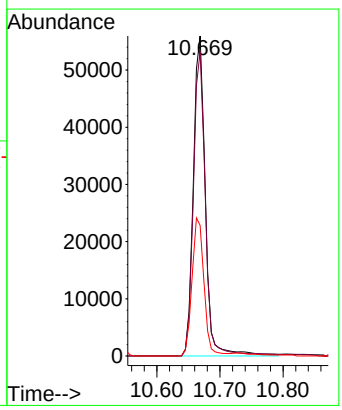


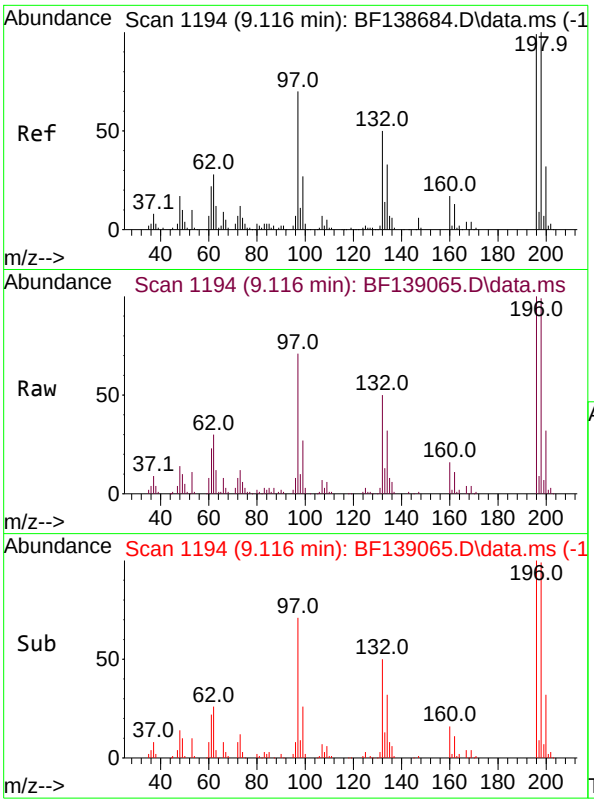


#42
2,4,6-Tribromophenol
Concen: 79.583 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:330 Resp: 74271

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.4	114.6
141	42.8	31.1	46.7

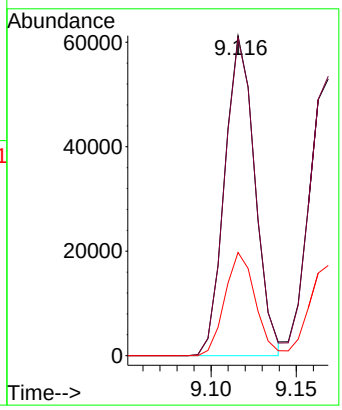




#43
2,4,6-Trichlorophenol
Concen: 39.035 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:196 Resp: 7532

Ion	Ratio	Lower	Upper
196	100		
198	99.3	80.5	120.7
200	32.3	25.9	38.9



Instrument :
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ClientSampleId :
SSTDCCC040

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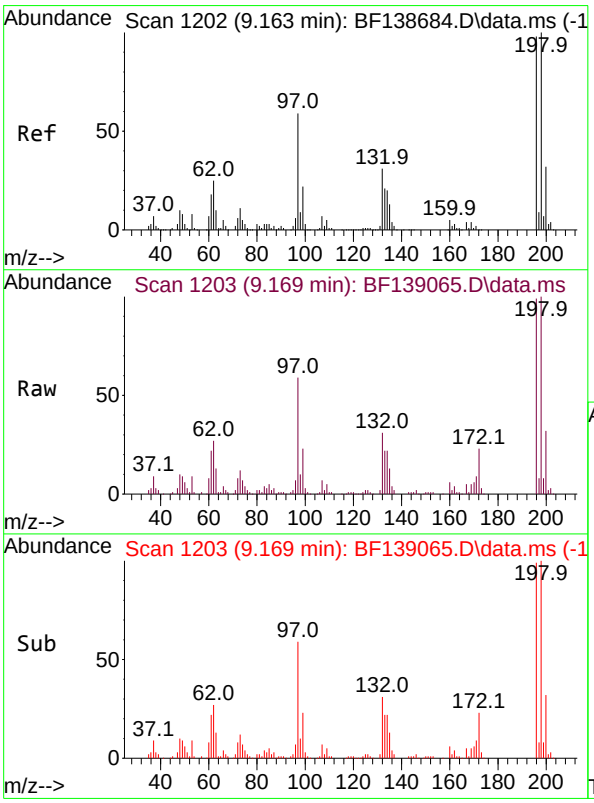
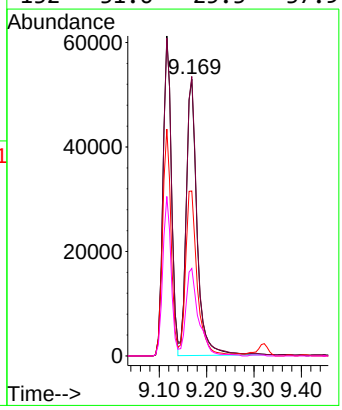
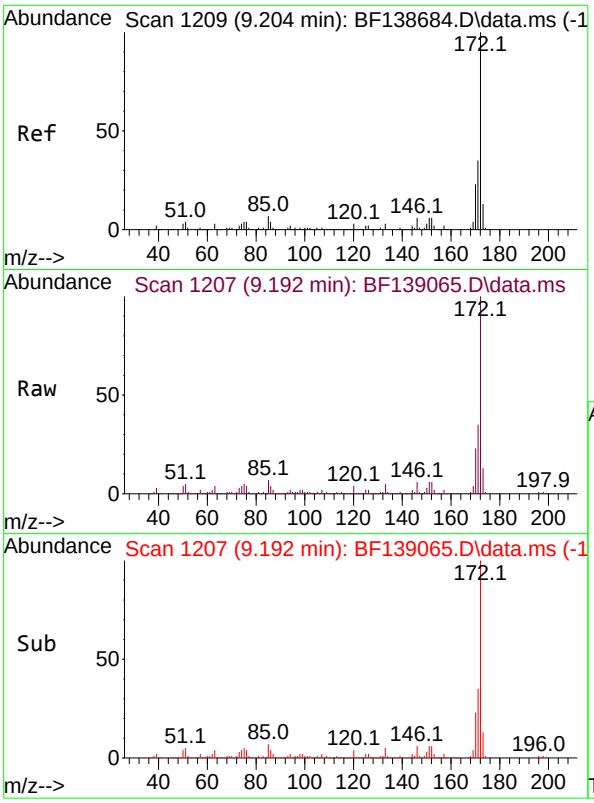


#44
2,4,5-Trichlorophenol
Concen: 39.912 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:196 Resp: 84196

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.2	121.8
97	59.6	47.8	71.6
132	31.6	25.3	37.9

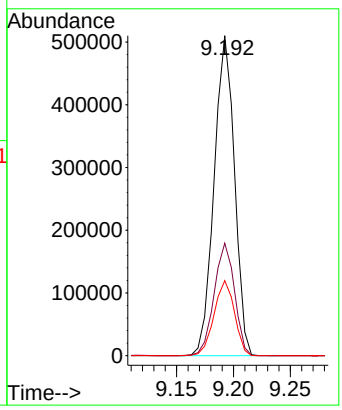




#45
2-Fluorobiphenyl
Concen: 83.926 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:172 Resp: 63639

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.4	18.8	28.2



Instrument :
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ClientSampleId :
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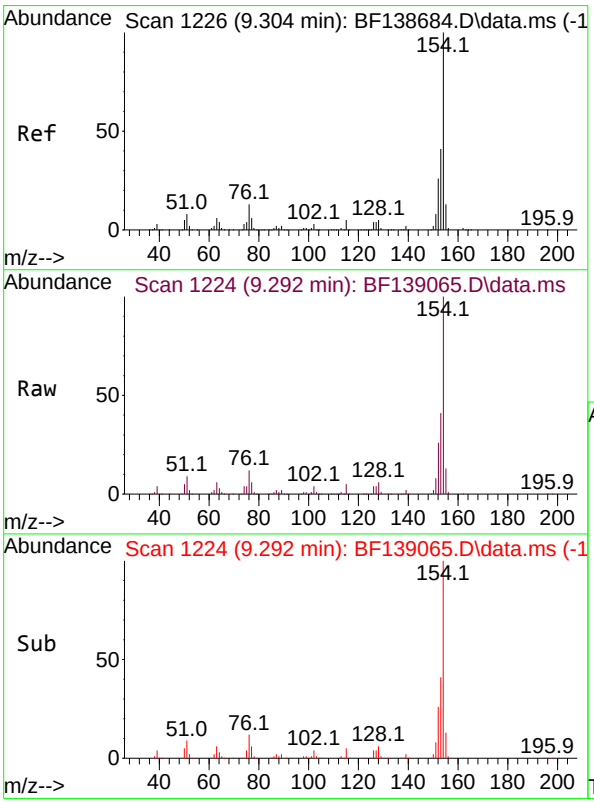
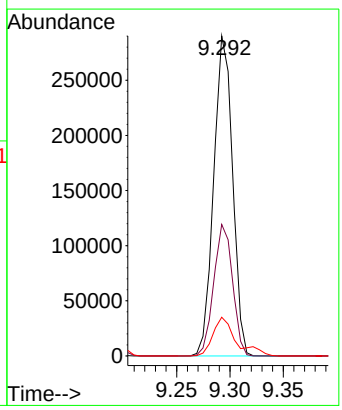
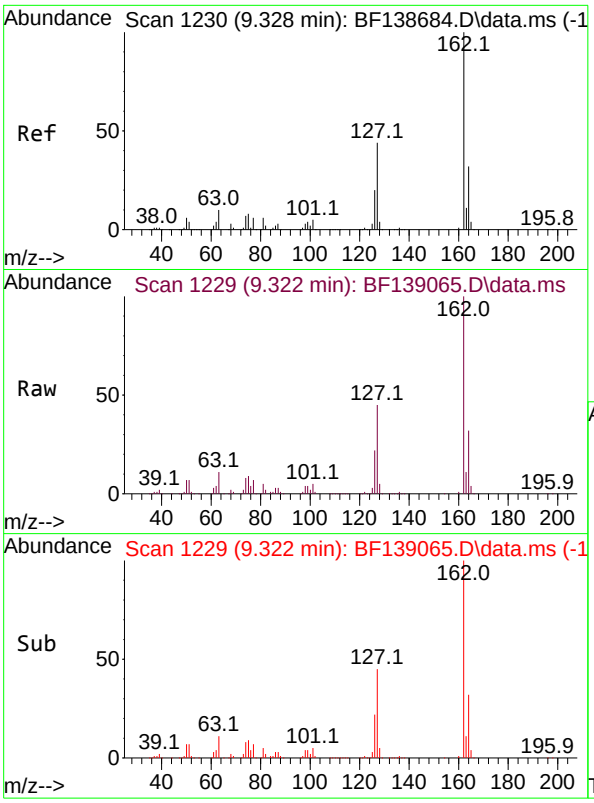


#46
1,1'-Biphenyl
Concen: 39.983 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:154 Resp: 356764

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.8	60.8
76	12.1	0.0	32.8

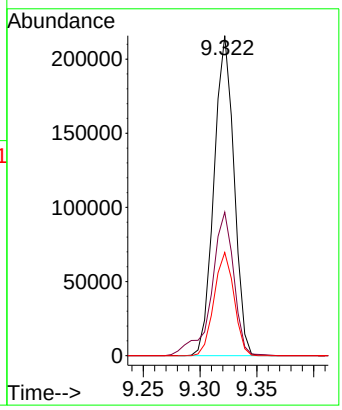




#47
2-Chloronaphthalene
Concen: 39.812 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:162 Resp: 26420

Ion	Ratio	Lower	Upper
162	100		
127	44.9	35.4	53.2
164	32.3	25.6	38.4



Instrument :
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ClientSampleId :
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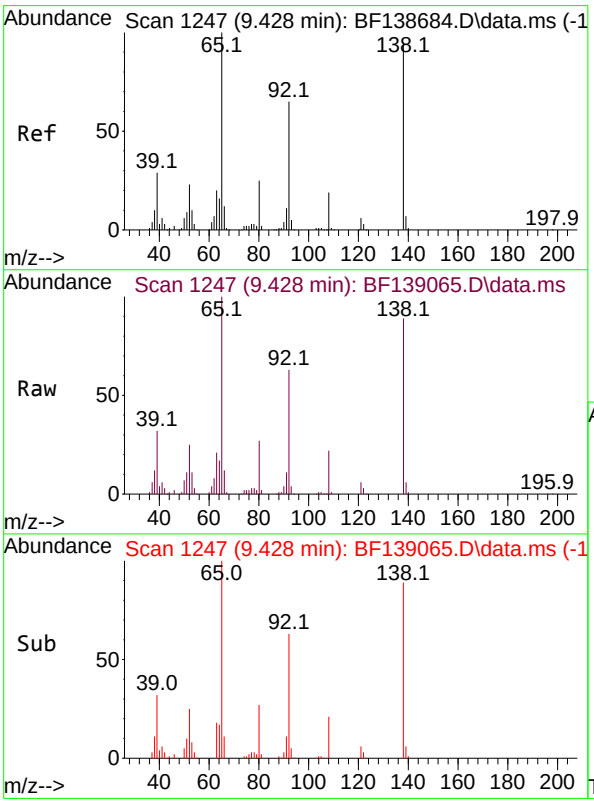
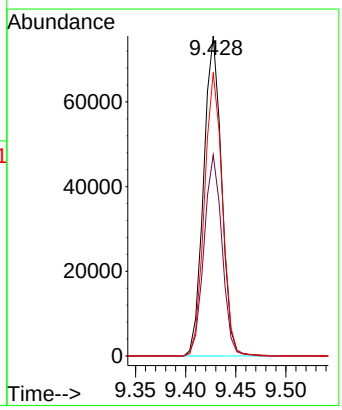
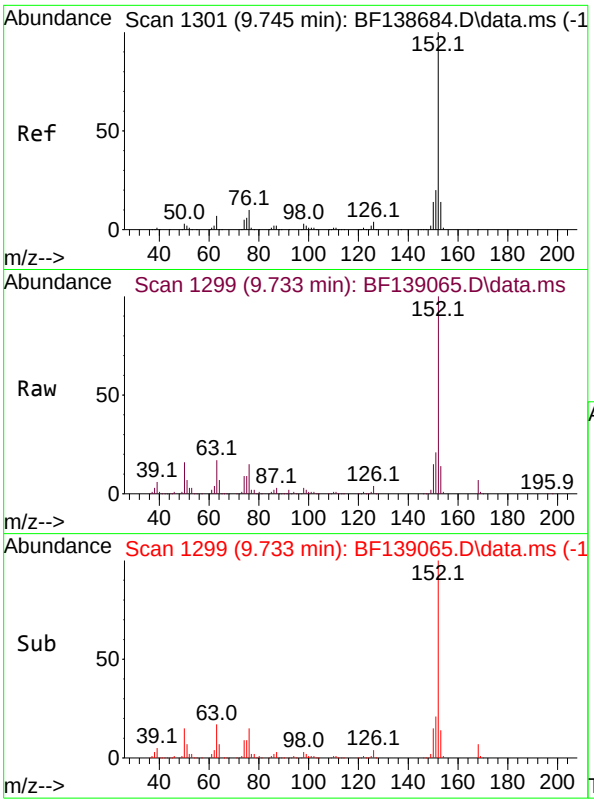


#48
2-Nitroaniline
Concen: 41.936 ng
RT: 9.428 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion: 65 Resp: 94348

Ion	Ratio	Lower	Upper
65	100		
92	62.8	52.0	78.0
138	88.6	76.2	114.4





#49
Acenaphthylene
Concen: 39.365 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 37051

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.8	11.0	16.4

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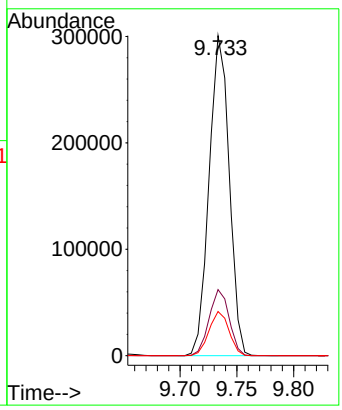
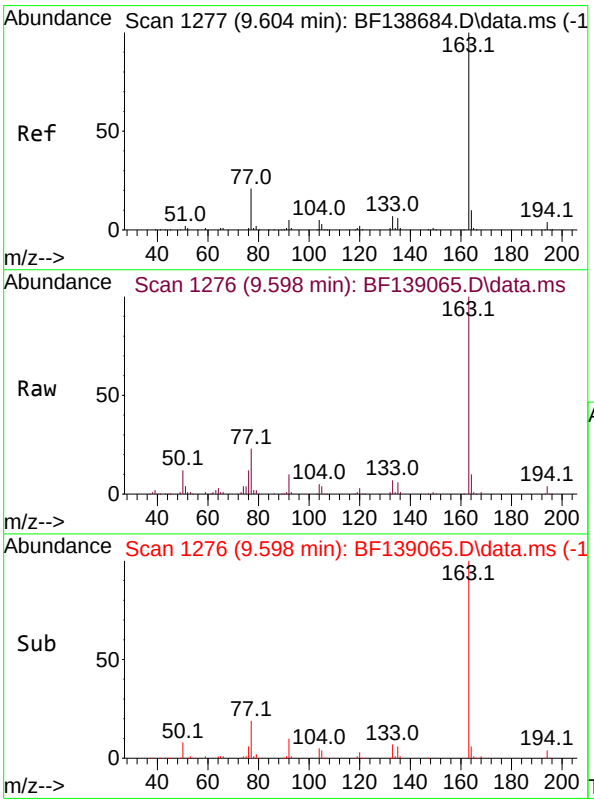
Supervised By :mohammad ahmed 08/21/2024

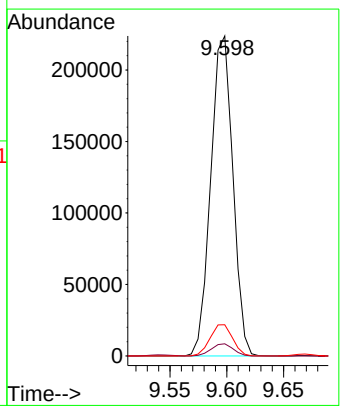


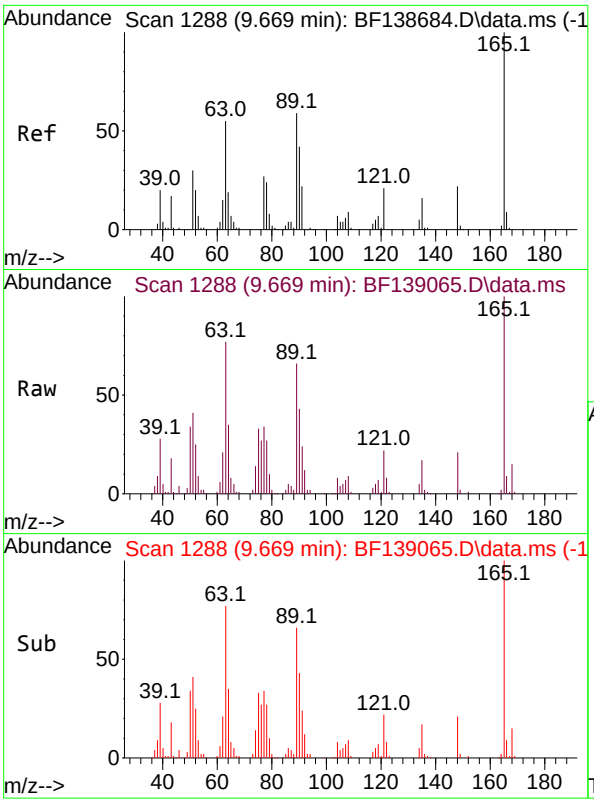


#50
Dimethylphthalate
Concen: 41.703 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:163 Resp: 303803

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.8	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 42.121 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:165 Resp: 6925

Ion	Ratio	Lower	Upper
165	100		
63	76.5	52.0	78.0
89	65.5	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
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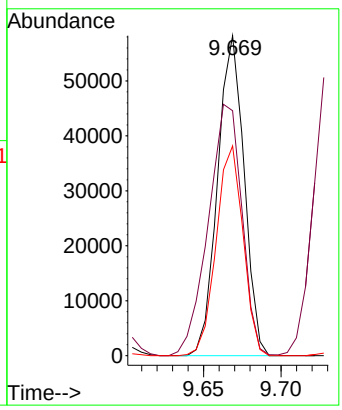
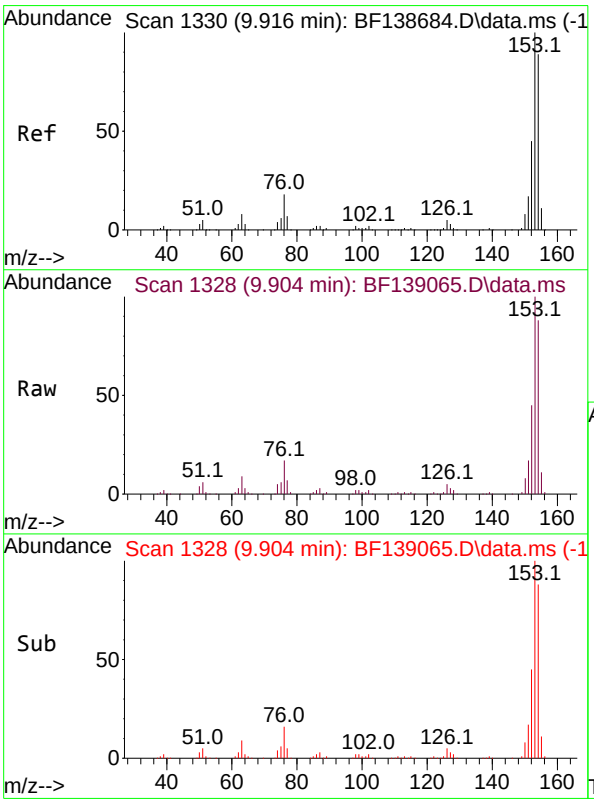
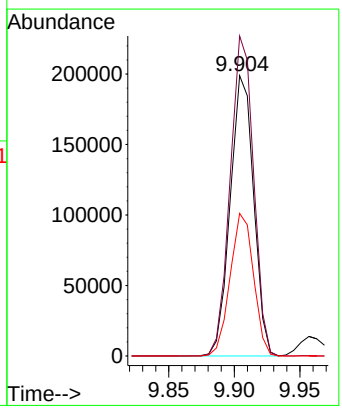


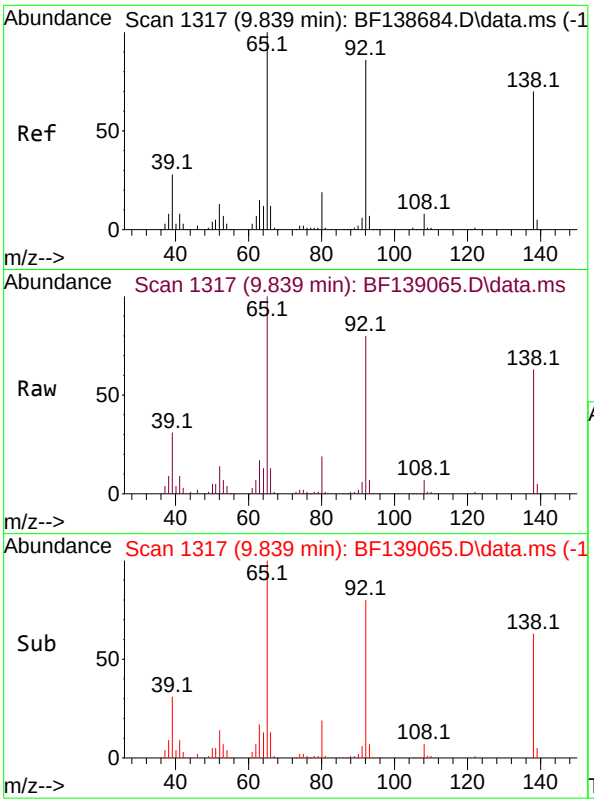


#52
Acenaphthene
Concen: 39.177 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:154 Resp: 247879

Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.9	134.9
152	50.9	40.6	60.8

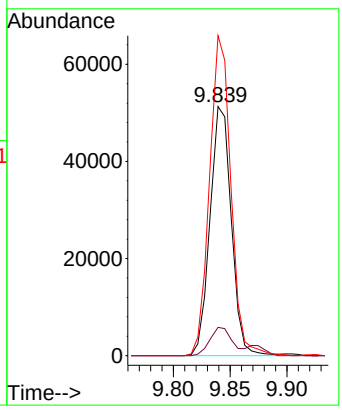




#53
3-Nitroaniline
Concen: 39.403 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:138 Resp: 6696

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.1	13.7
92	128.5	98.7	148.1



Instrument :
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ClientSampleId :
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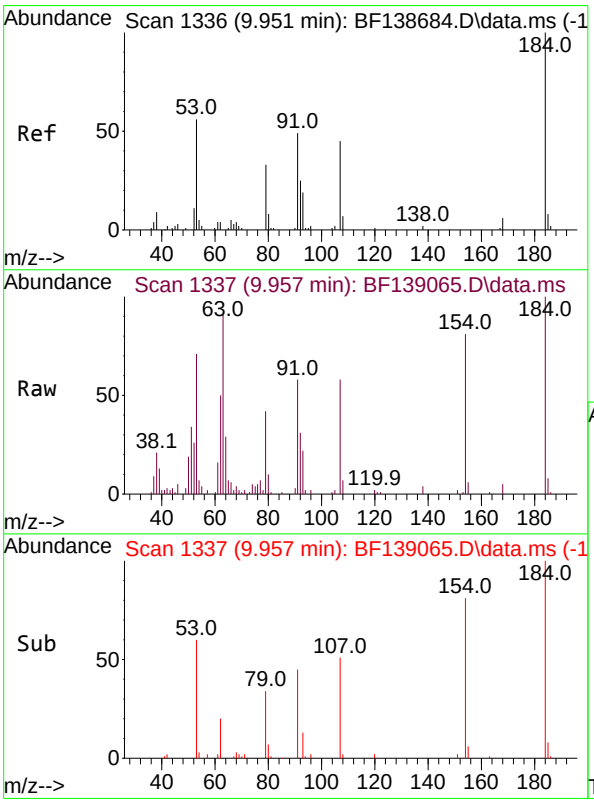
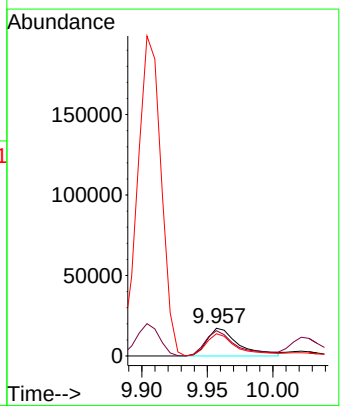
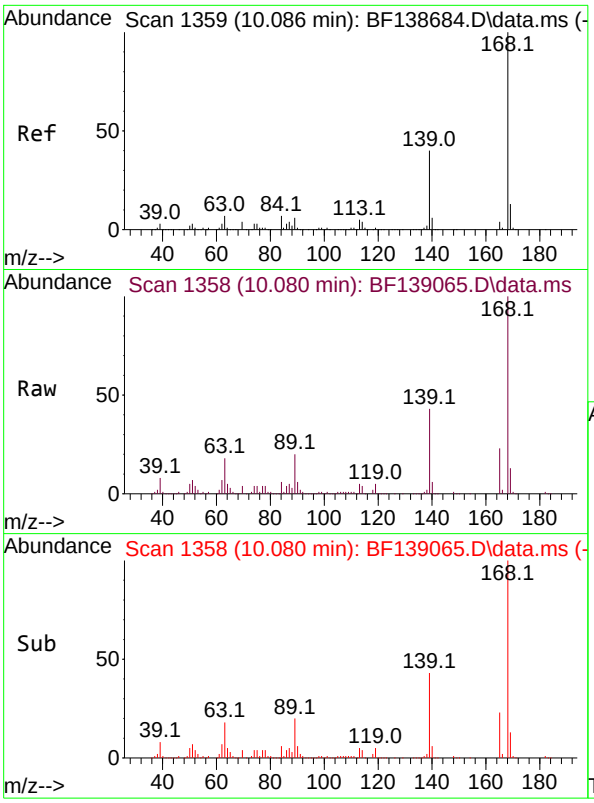


#54
2,4-Dinitrophenol
Concen: 38.379 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:184 Resp: 29046

Ion	Ratio	Lower	Upper
184	100		
63	91.2	57.5	86.3#
154	80.6	51.7	77.5#

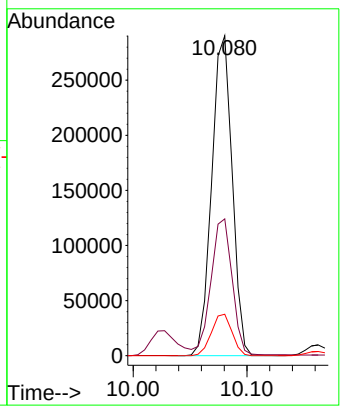




#55
Dibenzofuran
Concen: 40.683 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:168 Resp: 36335

Ion	Ratio	Lower	Upper
168	100		
139	42.8	32.6	49.0
169	13.0	10.7	16.1



Instrument :
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ClientSampleId :
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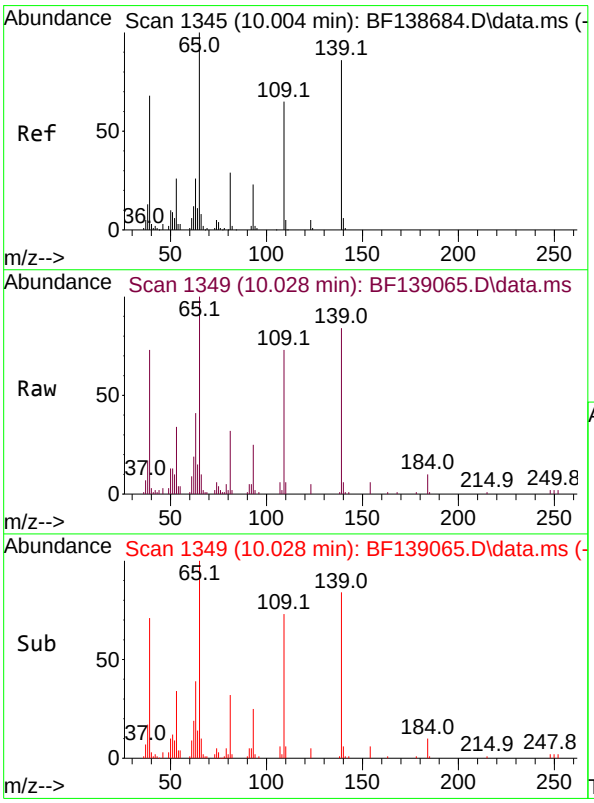
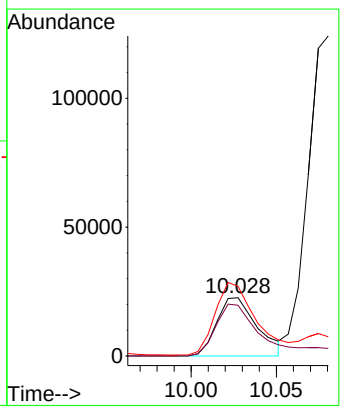
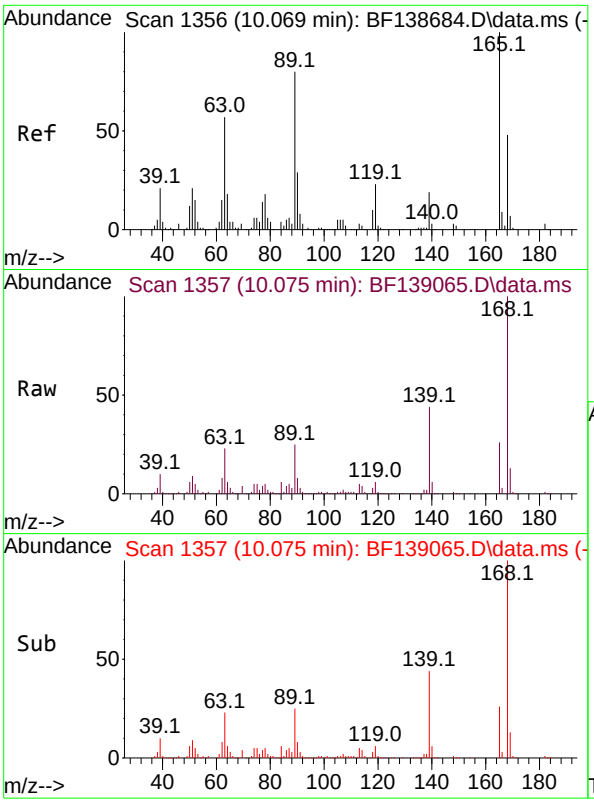


#56
4-Nitrophenol
Concen: 36.421 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:139 Resp: 37224

Ion	Ratio	Lower	Upper
139	100		
109	87.1	55.5	95.5
65	119.5	96.7	136.7

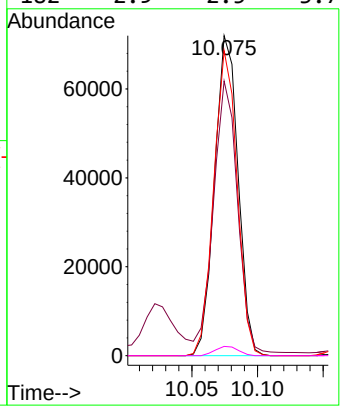




#57
2,4-Dinitrotoluene
Concen: 42.780 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:165 Resp: 8973

Ion	Ratio	Lower	Upper
165	100		
63	85.8	46.3	69.5
89	95.3	64.2	96.4
182	2.9	2.5	3.7



Instrument :
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ClientSampleId :
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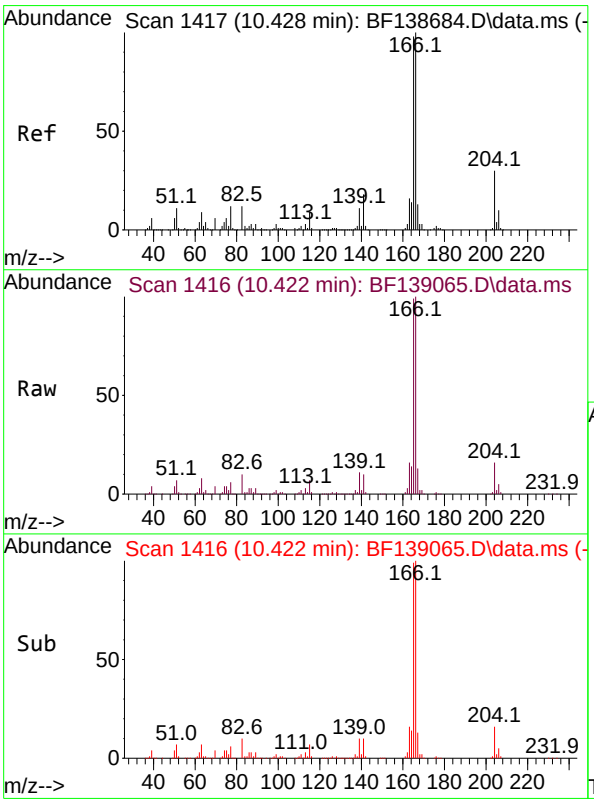
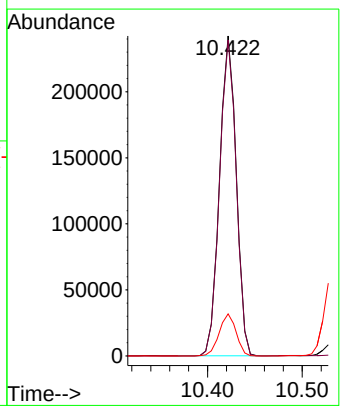
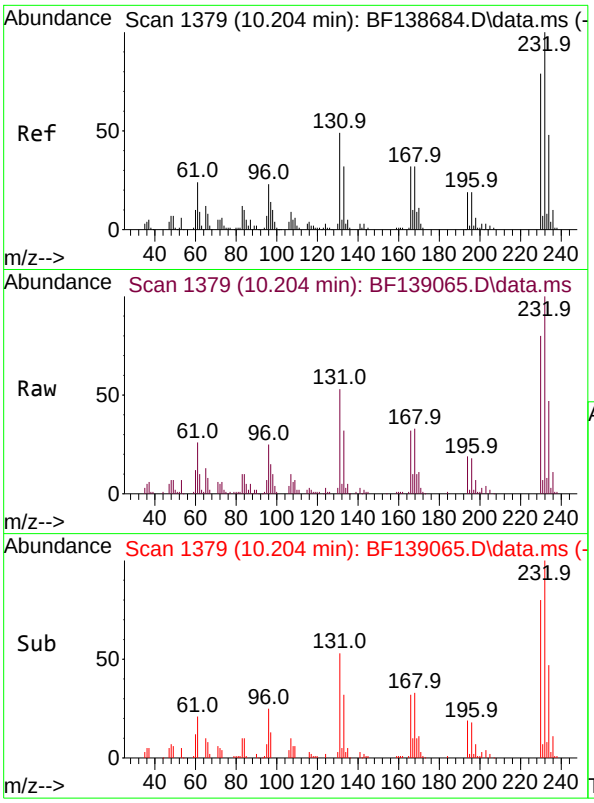


#58
Fluorene
Concen: 41.802 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:166 Resp: 297308

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.4	117.6
167	13.2	10.6	16.0

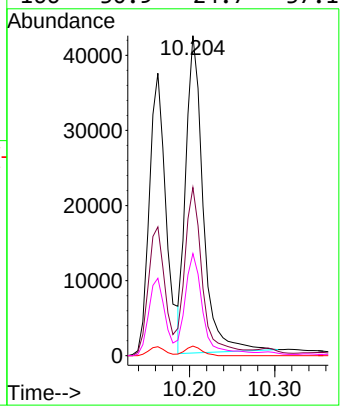




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.914 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:232 Resp: 5953

Ion	Ratio	Lower	Upper
232	100		
131	54.1	37.0	55.4
130	3.0	2.0	3.0
166	30.9	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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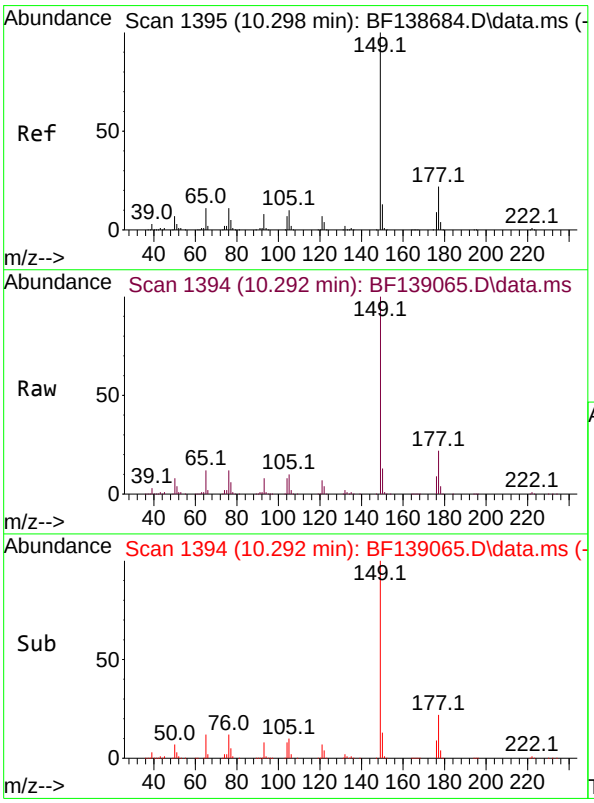
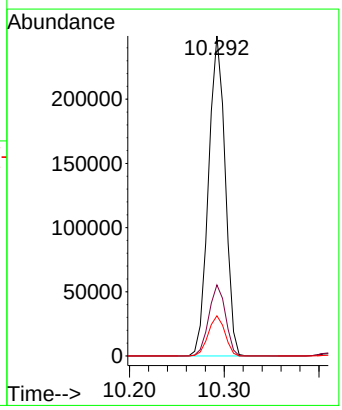
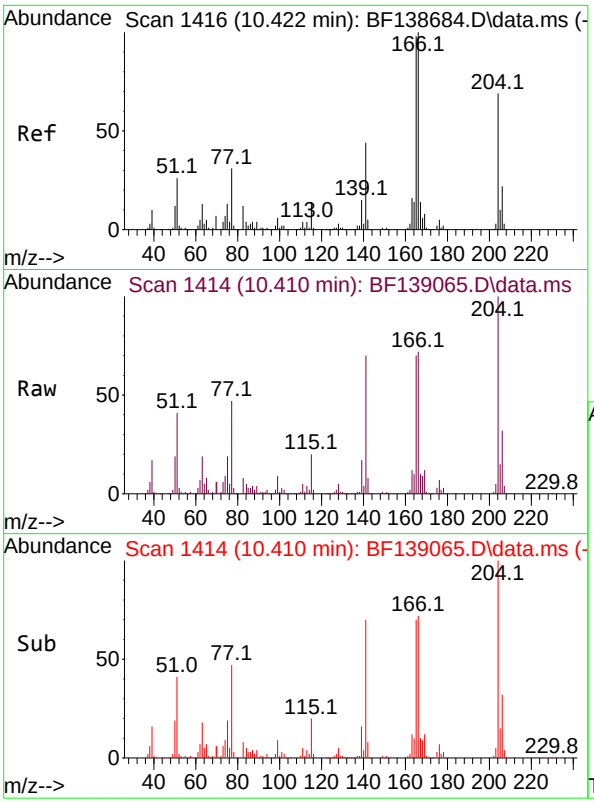


#60
Diethylphthalate
Concen: 43.983 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:149 Resp: 303810

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.664 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:204 Resp: 14574

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.1	39.1
141	69.7	51.4	77.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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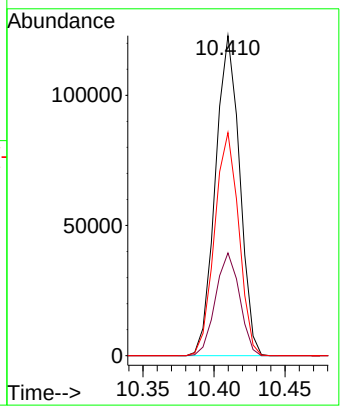
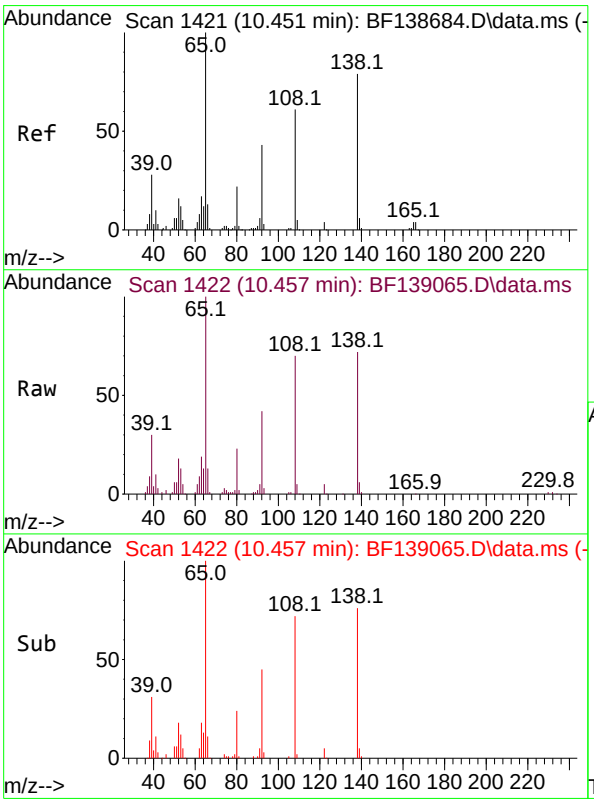
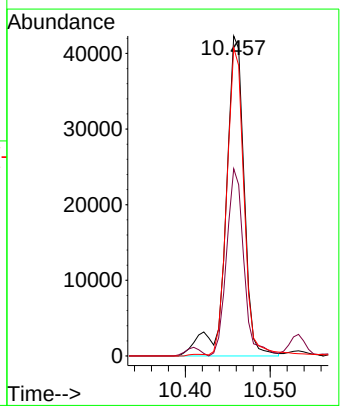


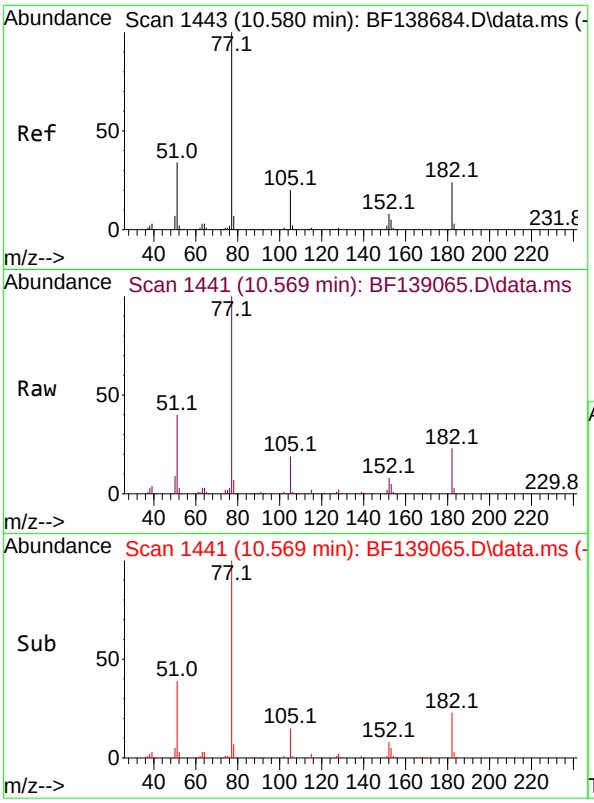


#62
4-Nitroaniline
Concen: 39.188 ng m
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:138 Resp: 63295

Ion	Ratio	Lower	Upper
138	100		
92	58.5	34.2	74.2
108	96.3	56.2	96.2#





#63
Azobenzene
Concen: 41.240 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 31593

Ion	Ratio	Lower	Upper
77	100		
182	22.7	3.4	43.4
105	18.7	0.2	40.2
51	40.0	14.6	54.6

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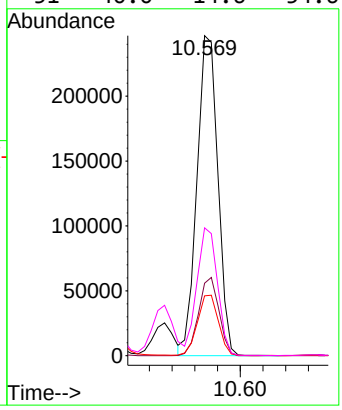
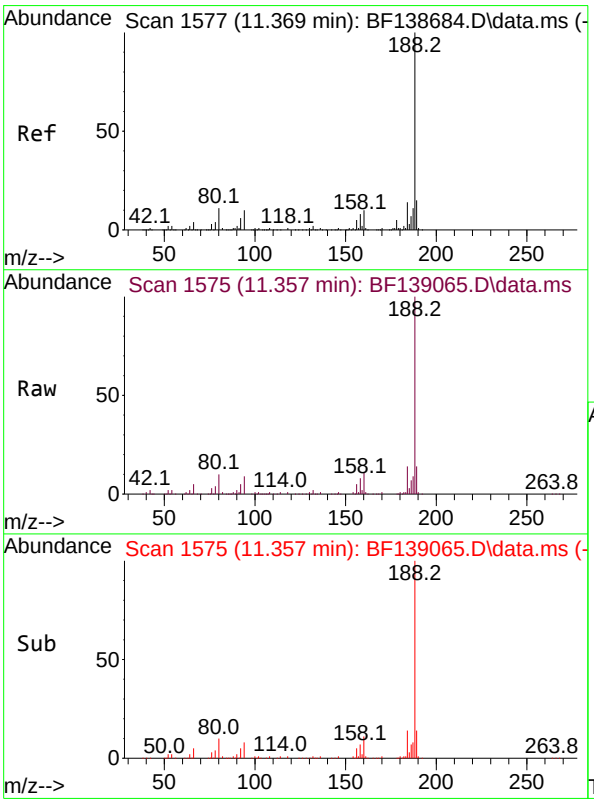
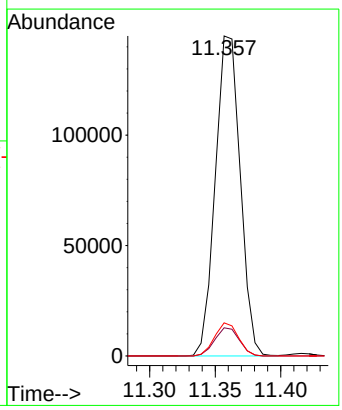


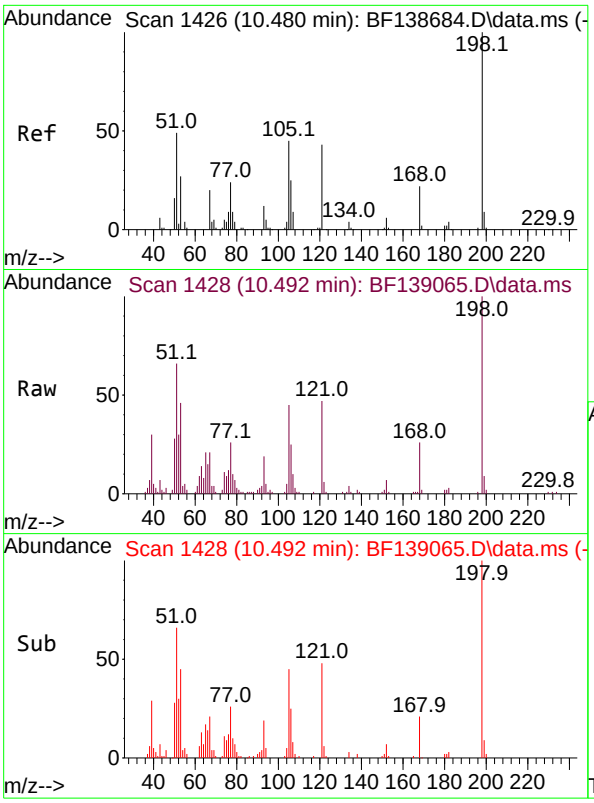


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:188 Resp: 191441

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	10.3	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 37.710 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:198 Resp: 4404

Ion	Ratio	Lower	Upper
198	100		
51	65.7	39.9	79.9
105	44.7	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
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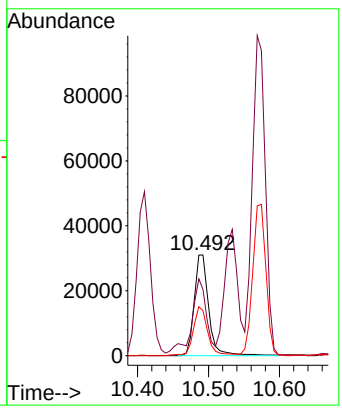
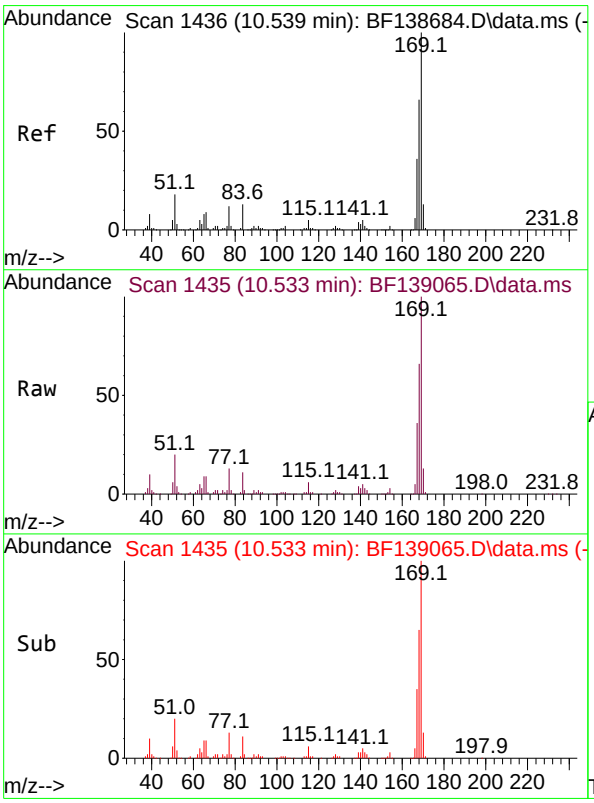
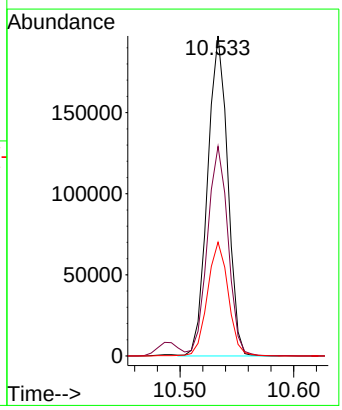


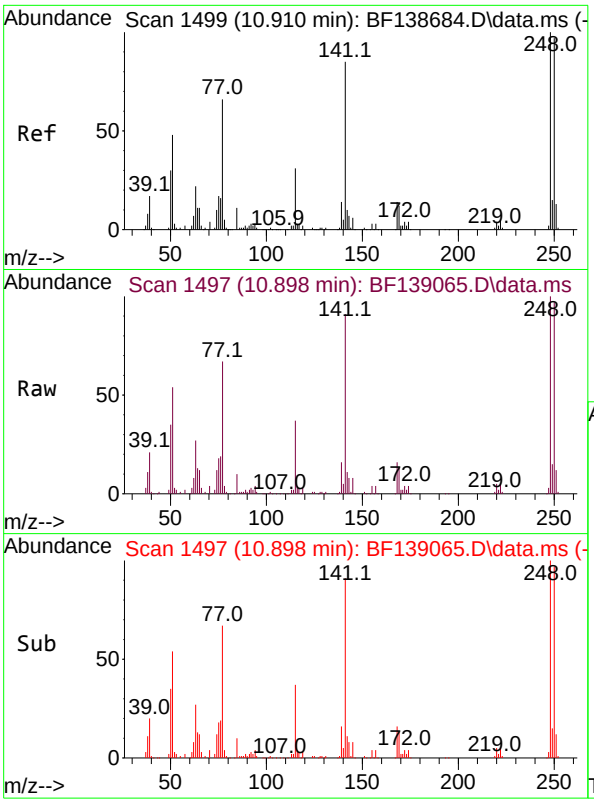


#66
n-Nitrosodiphenylamine
Concen: 40.616 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:169 Resp: 243049

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.0	79.6
167	35.6	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 40.275 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:248 Resp: 8347

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.7	116.5
141	91.0	68.0	102.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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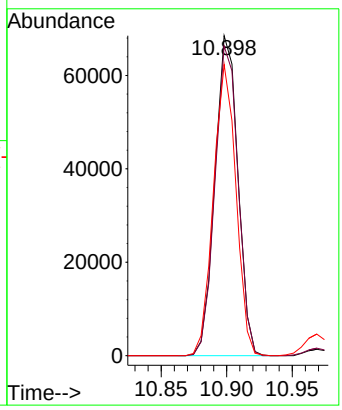
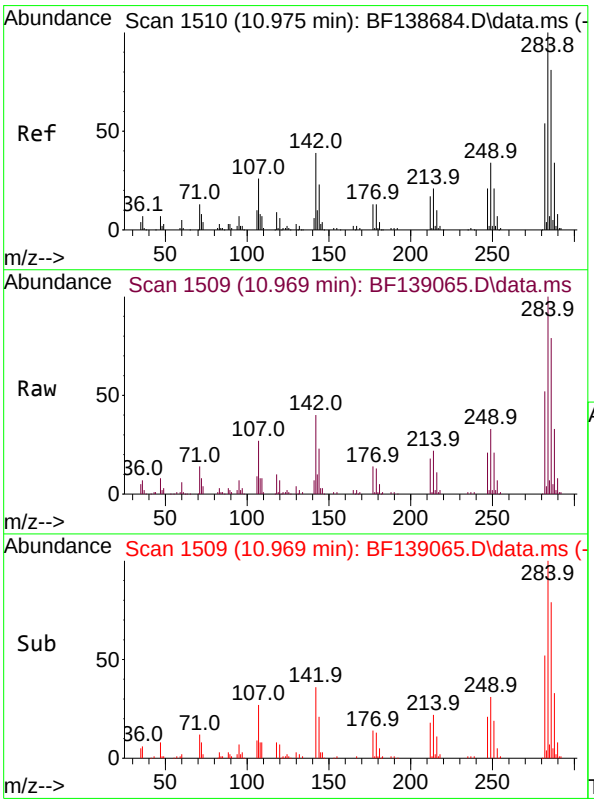
Supervised By :mohammad ahmed 08/21/2024

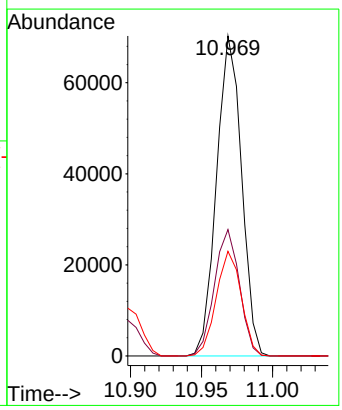


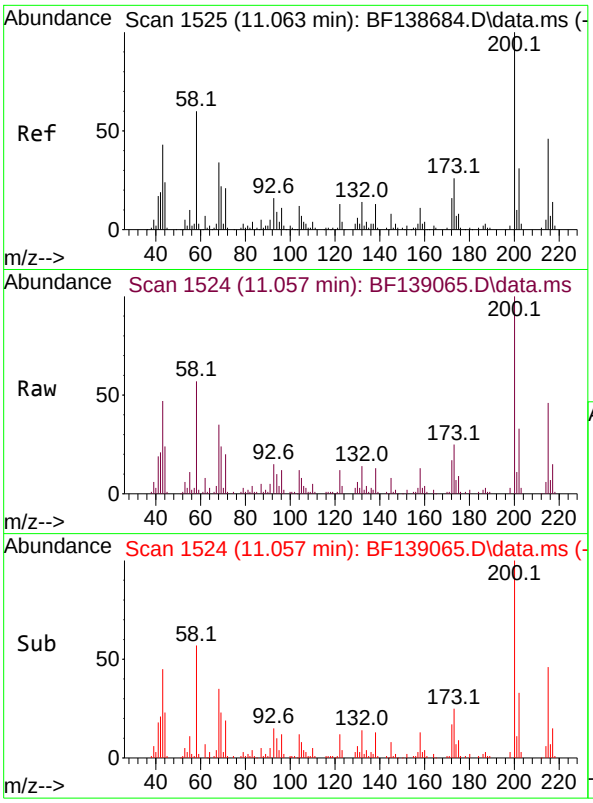


#68
Hexachlorobenzene
Concen: 40.156 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:284 Resp: 85938

Ion	Ratio	Lower	Upper
284	100		
142	39.5	31.3	46.9
249	32.7	27.2	40.8

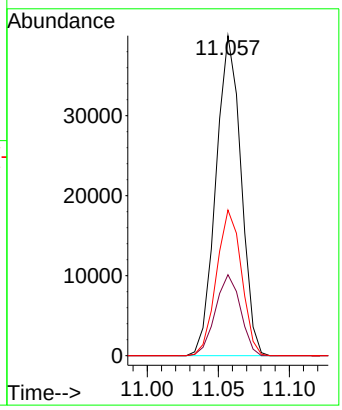




#69
Atrazine
Concen: 31.765 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:200 Resp: 4904

Ion	Ratio	Lower	Upper
200	100		
173	25.3	6.0	46.0
215	45.5	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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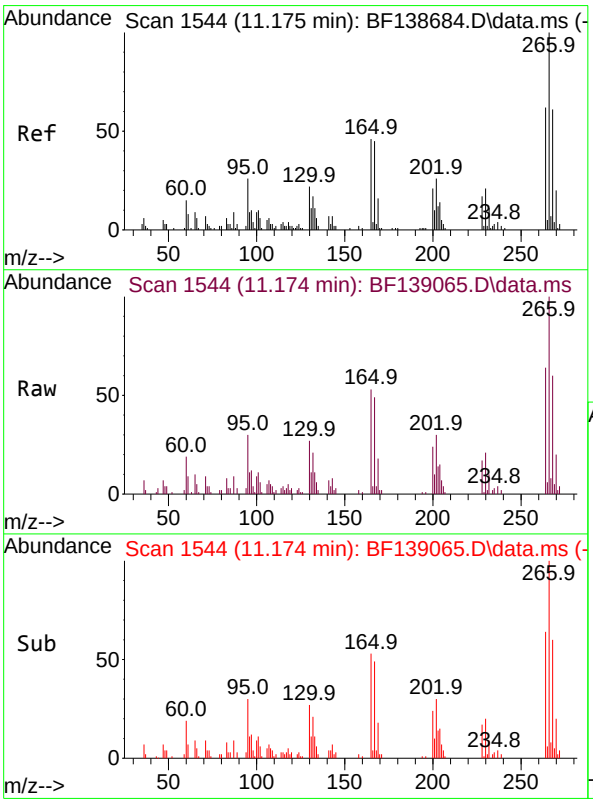
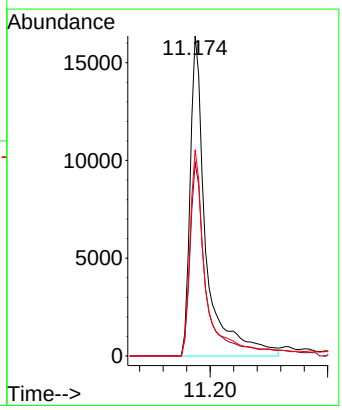
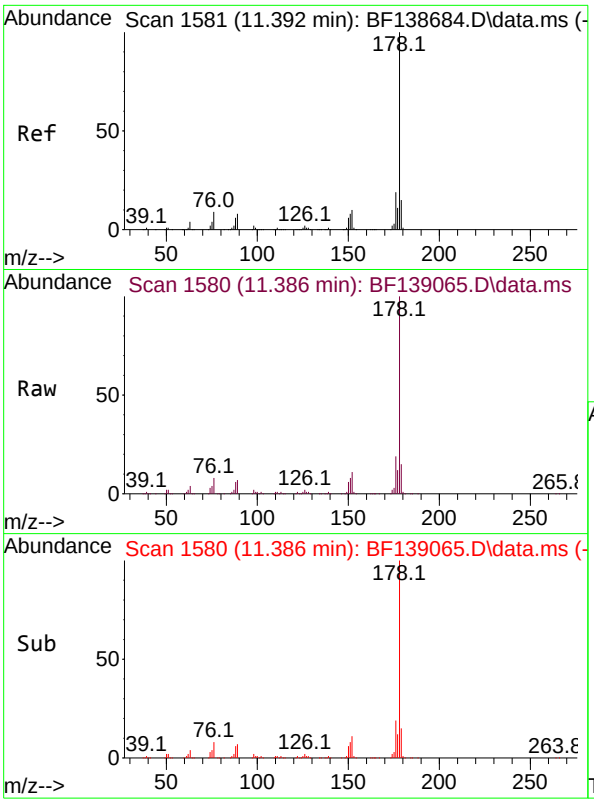


#70
Pentachlorophenol
Concen: 32.067 ng
RT: 11.174 min Scan# 1544
Delta R.T. -0.001 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:266 Resp: 30933

Ion	Ratio	Lower	Upper
266	100		
268	60.4	49.2	73.8
264	64.5	49.8	74.6

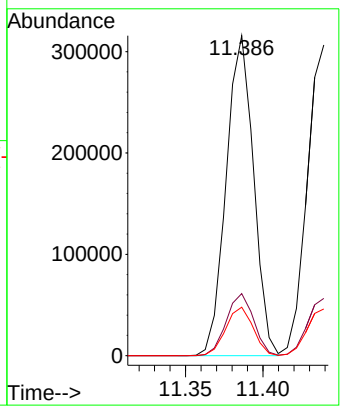




#71
Phenanthrene
Concen: 39.375 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:178 Resp: 38814

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.1	12.2	18.2



Instrument :
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ClientSampleId :
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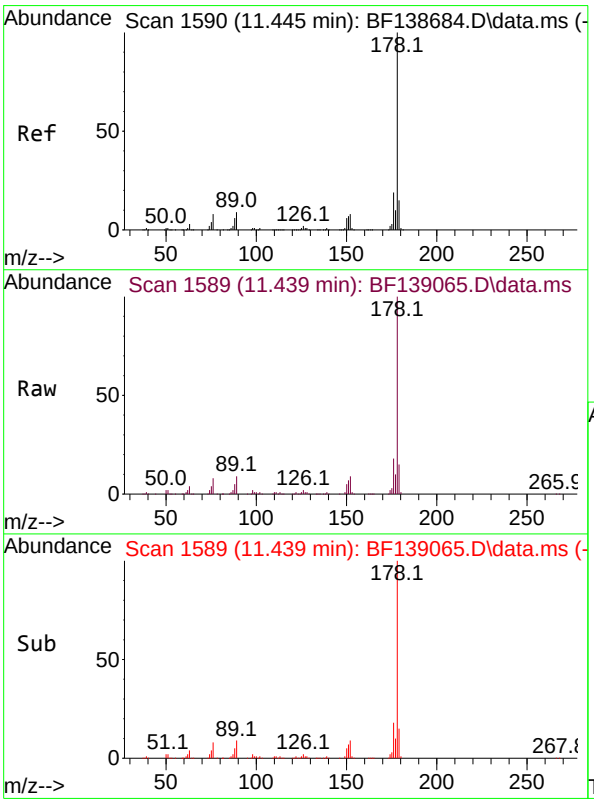
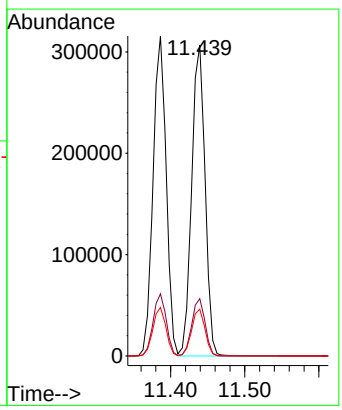
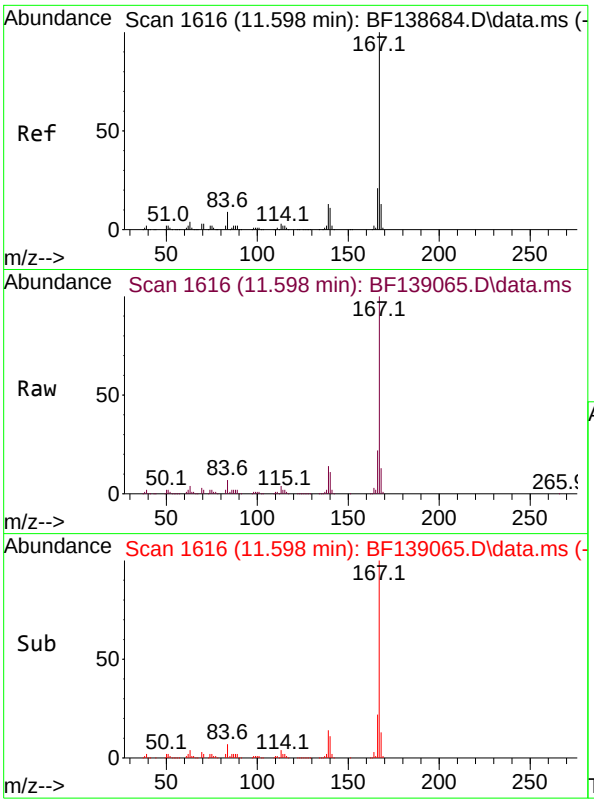


#72
Anthracene
Concen: 39.588 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:178 Resp: 384448

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.0	12.4	18.6

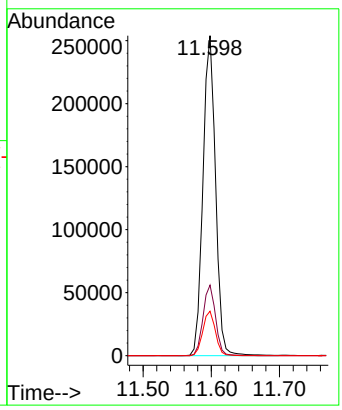




#73
Carbazole
Concen: 38.956 ng
RT: 11.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:167 Resp: 32638

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	13.9	10.6	16.0



Instrument :
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ClientSampleId :
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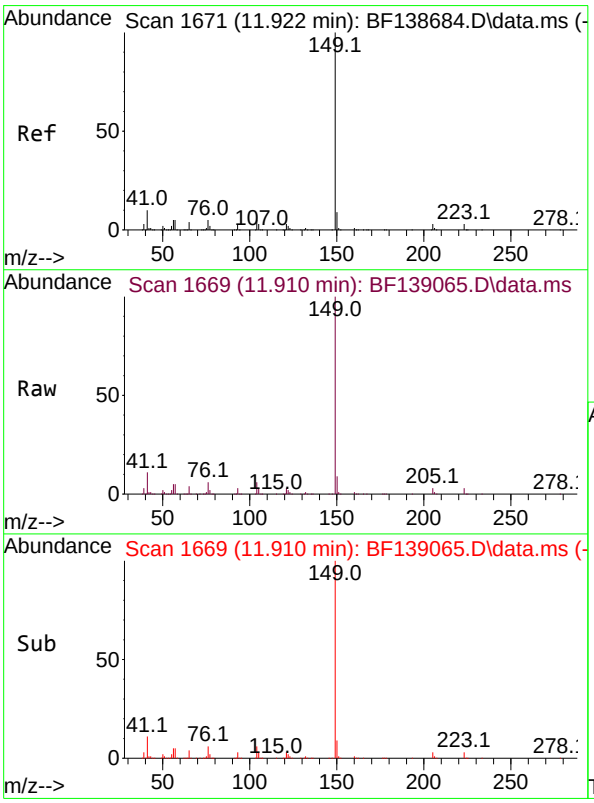
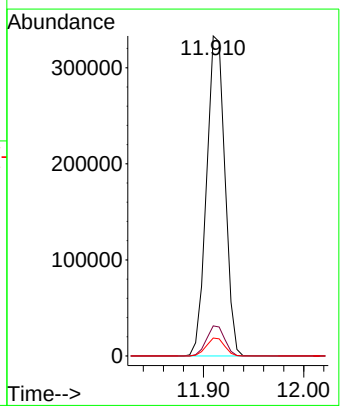
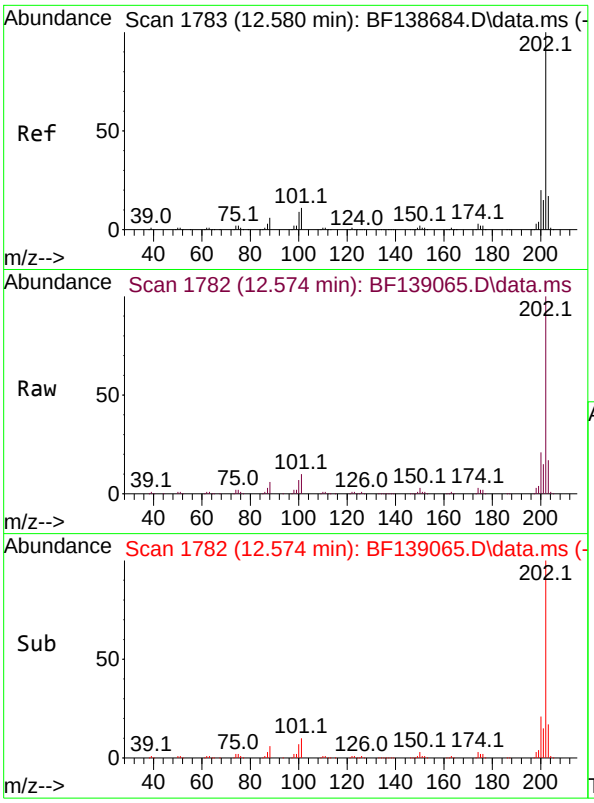


#74
Di-n-butylphthalate
Concen: 45.052 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:149 Resp: 424324

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	5.6	4.1	6.1

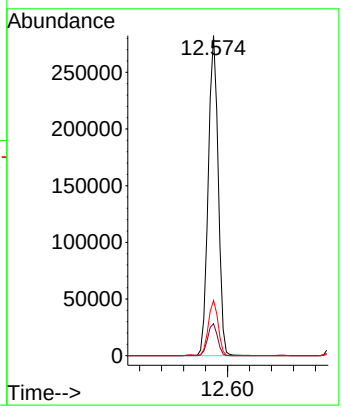




#75
Fluoranthene
Concen: 38.509 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:202 Resp: 354389

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.2
203	17.2	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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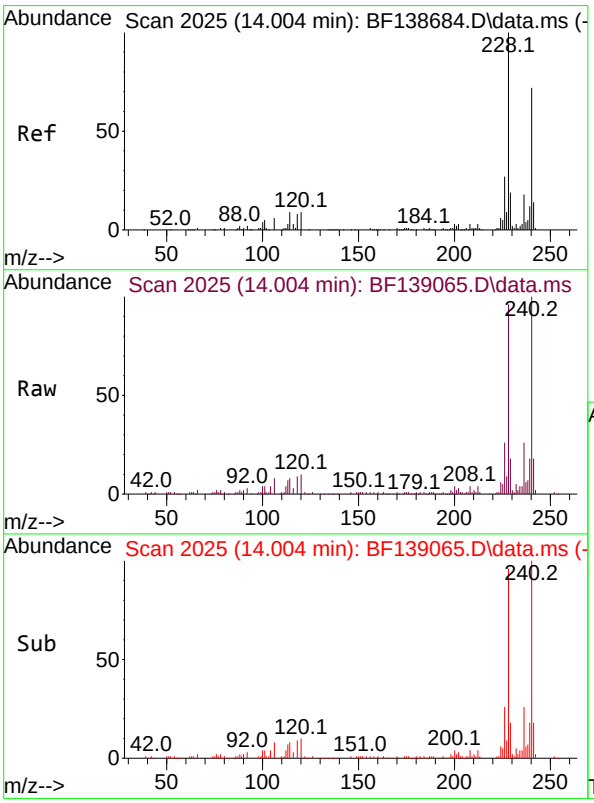
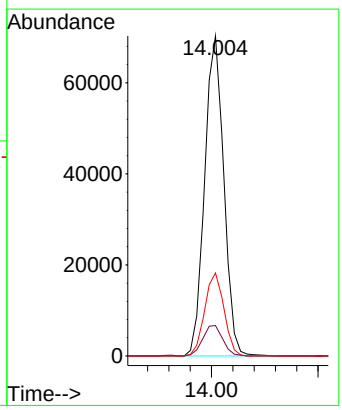
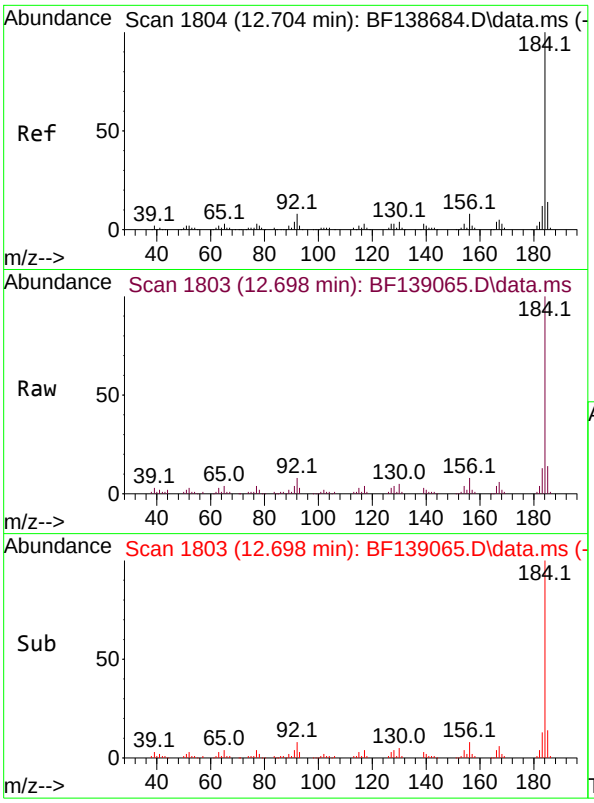


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:240 Resp: 87715

Ion	Ratio	Lower	Upper
240	100		
120	9.5	10.2	15.4#
236	25.9	19.8	29.8

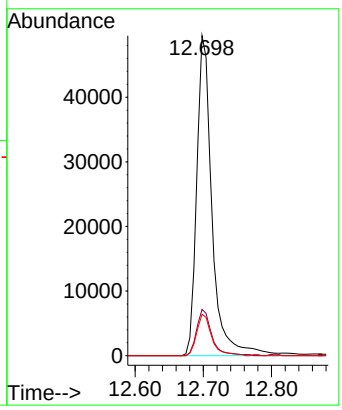




#77
Benzidine
Concen: 36.767 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:184 Resp: 7713

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.1	16.7
183	12.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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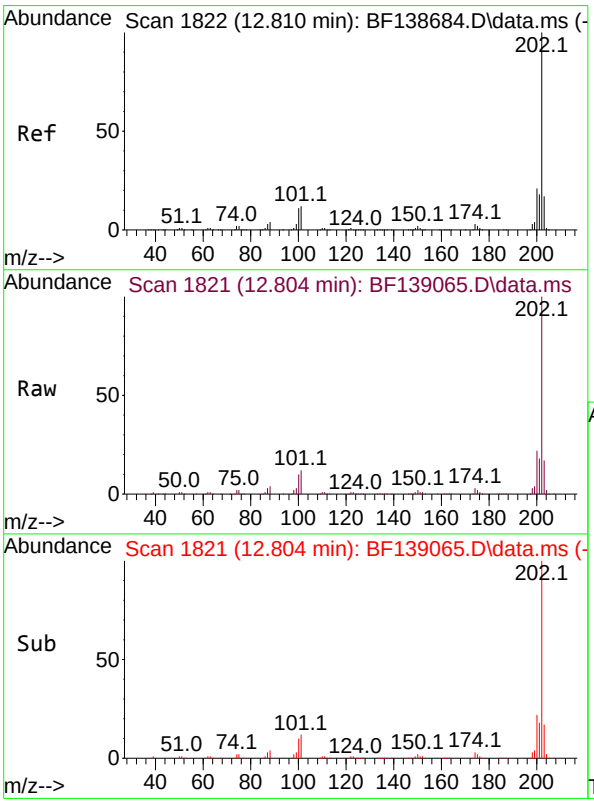
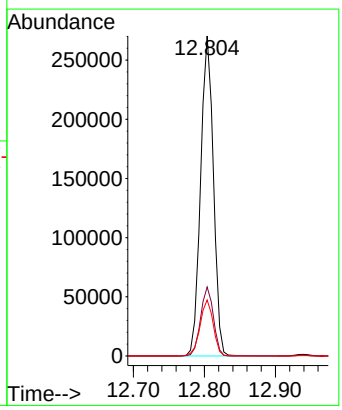
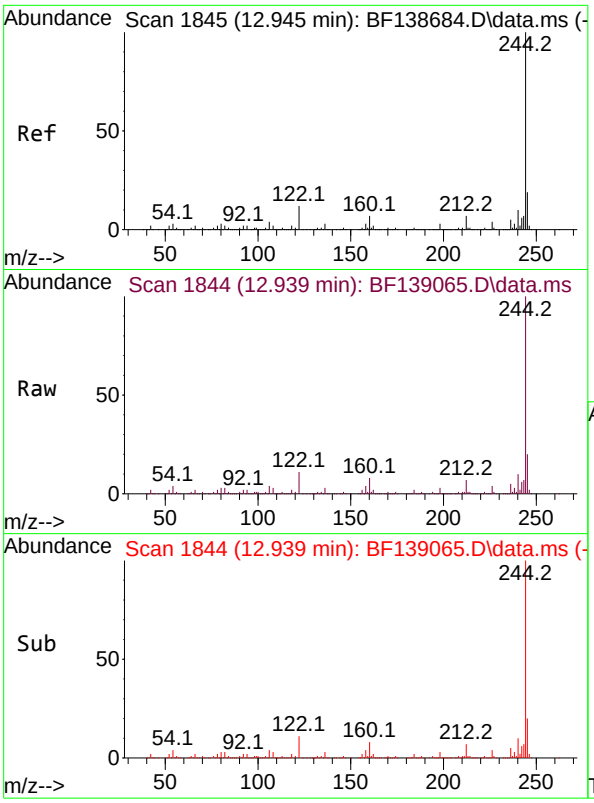


#78
Pyrene
Concen: 41.174 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:202 Resp: 340043

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.5	13.8	20.6

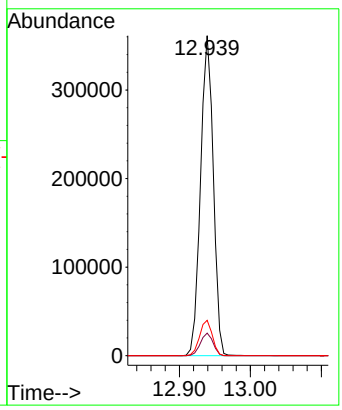




#79
Terphenyl-d14
Concen: 86.309 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:244 Resp: 45217

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.1	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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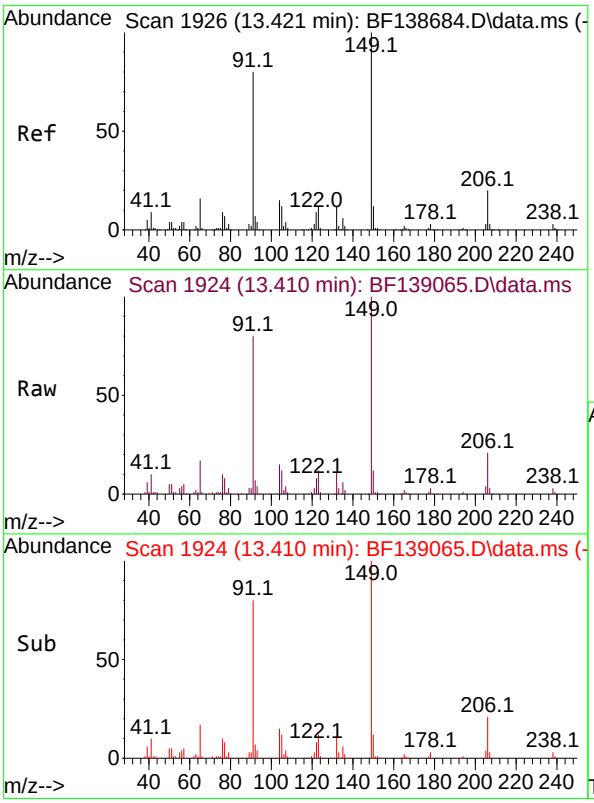
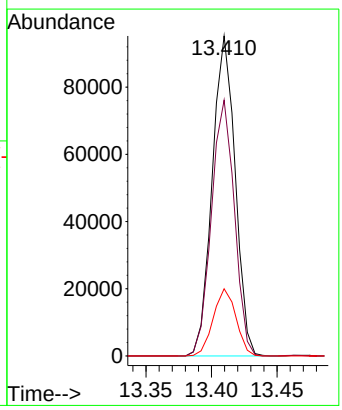
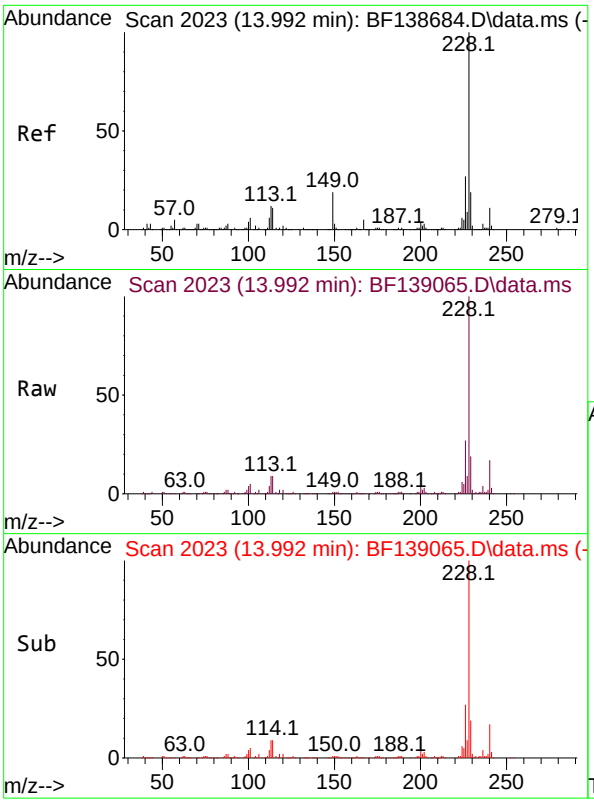


#80
Butylbenzylphthalate
Concen: 43.800 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:149 Resp: 115835

Ion	Ratio	Lower	Upper
149	100		
91	79.9	63.7	95.5
206	21.0	16.2	24.2

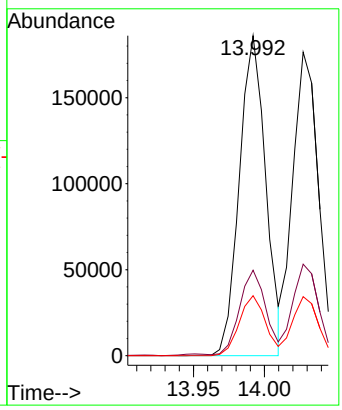




#81
Benzo(a)anthracene
Concen: 39.802 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:228 Resp: 24041

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.1	33.1
229	18.8	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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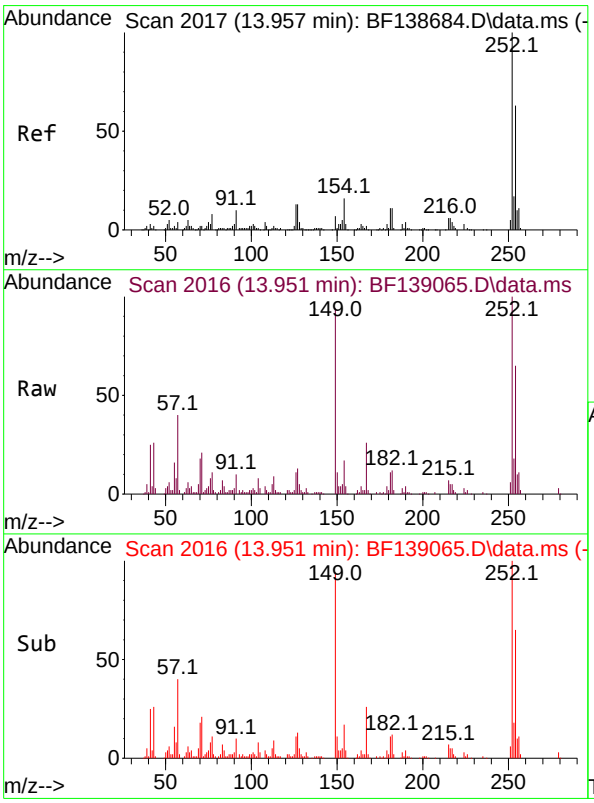
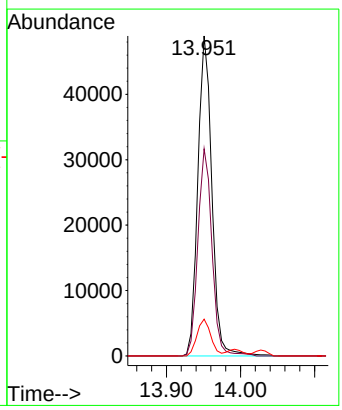
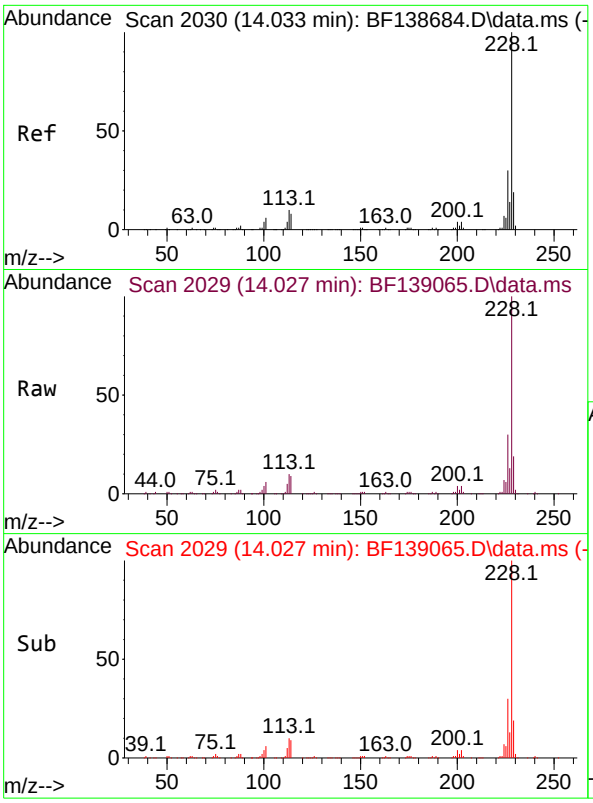


#82
3,3'-Dichlorobenzidine
Concen: 41.548 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:252 Resp: 64221

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.8	76.2
126	11.5	10.2	15.2

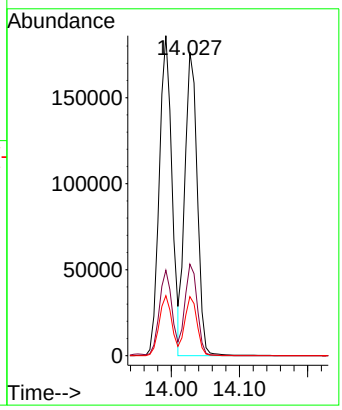




#83
Chrysene
Concen: 40.781 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:228 Resp: 22223

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	19.5	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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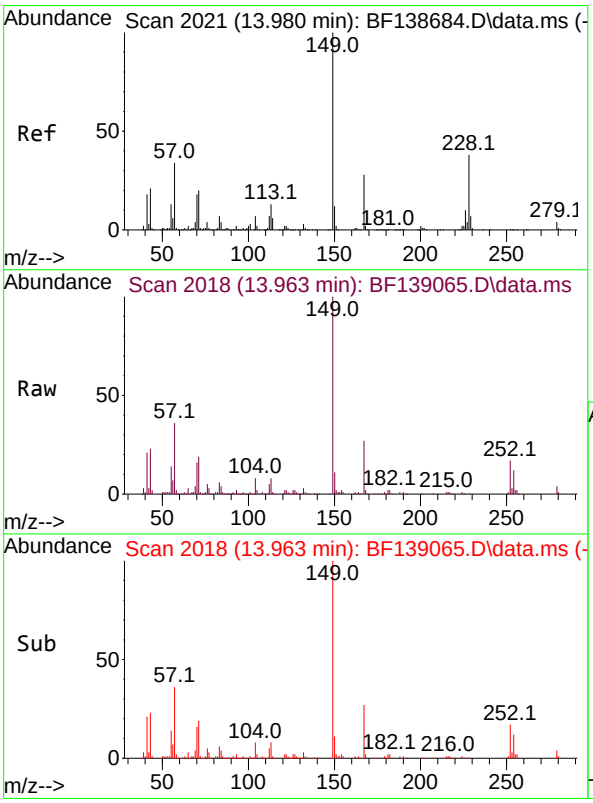
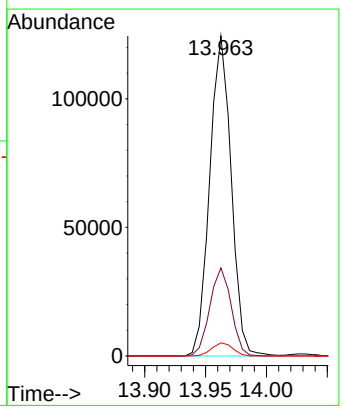
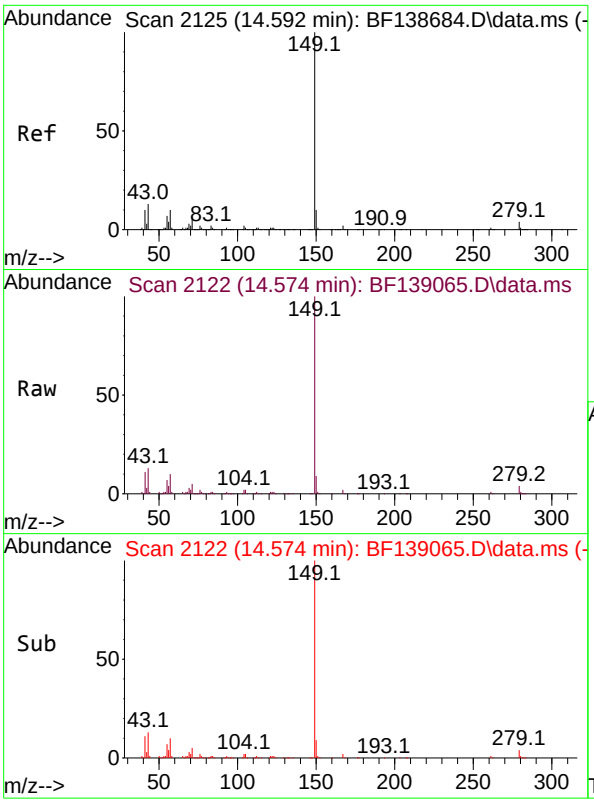


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.380 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:149 Resp: 152506

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.1	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 36.272 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:149 Resp: 25989

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	14.2	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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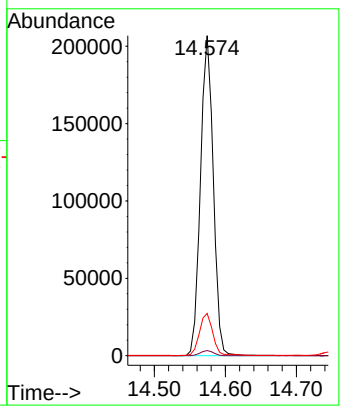
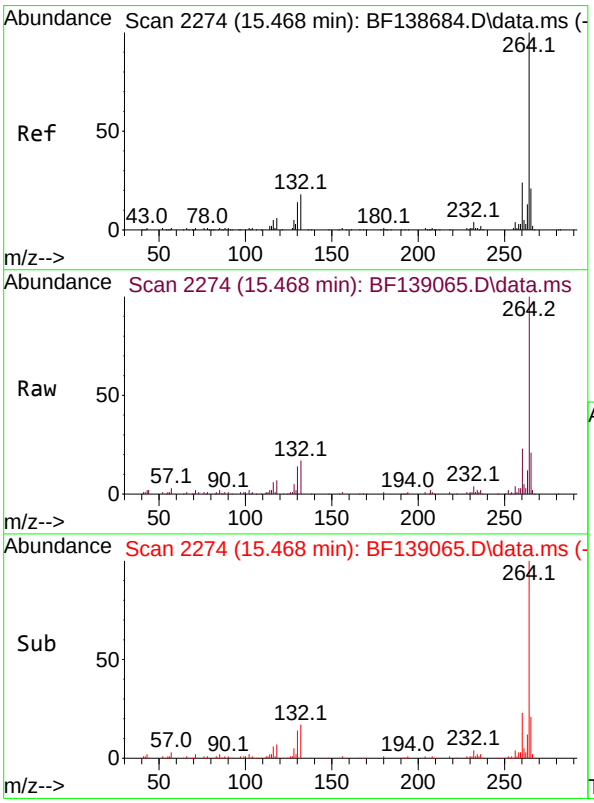
Supervised By :mohammad ahmed 08/21/2024

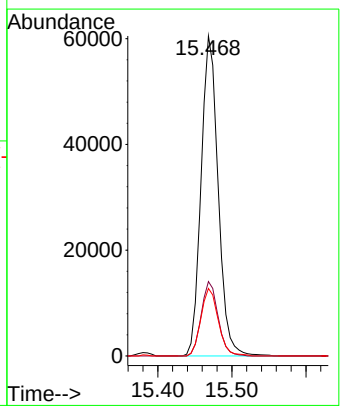


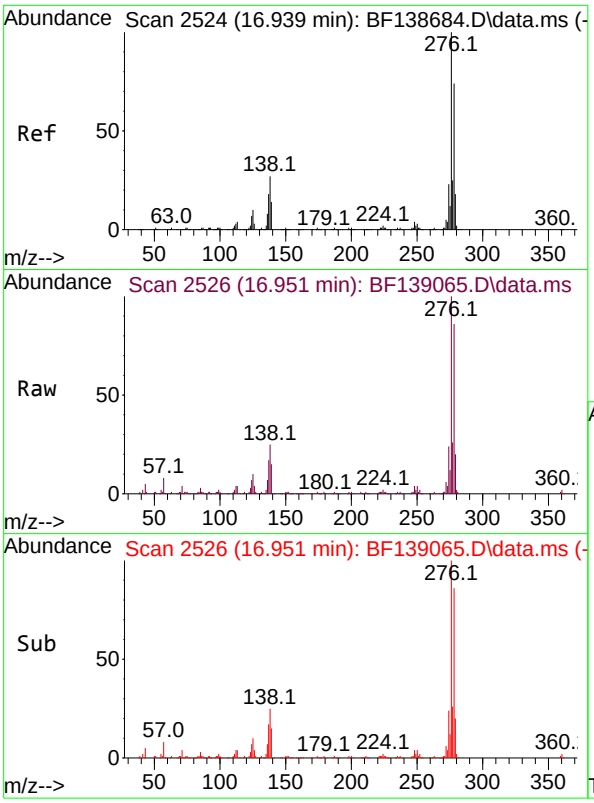


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:264 Resp: 96864

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.1	17.0	25.6

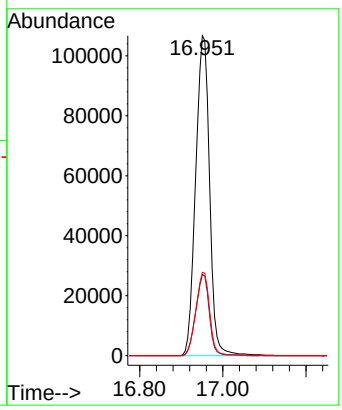




#87
Indeno(1,2,3-cd)pyrene
Concen: 35.784 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:276 Resp: 24839

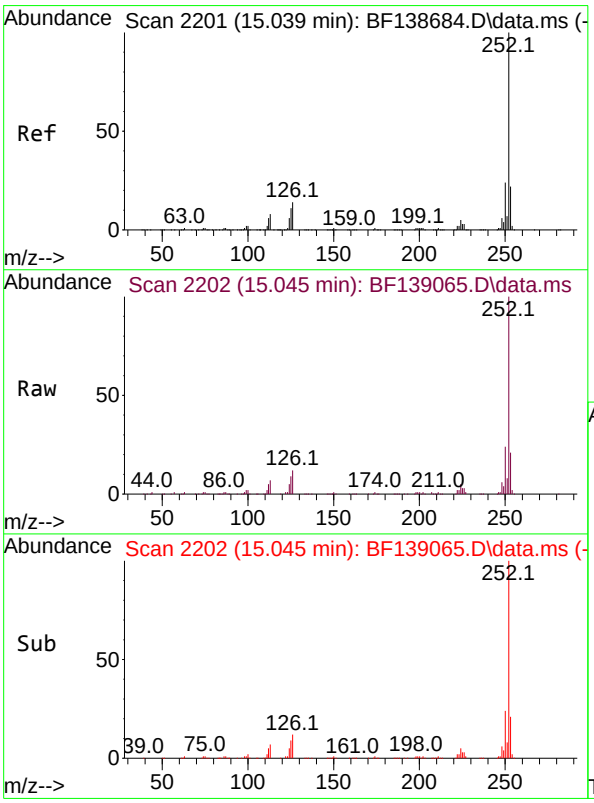
Ion	Ratio	Lower	Upper
276	100		
138	24.4	21.8	32.8
277	25.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

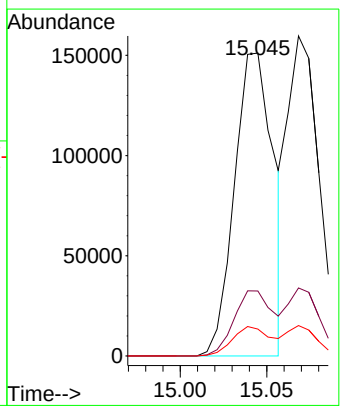
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

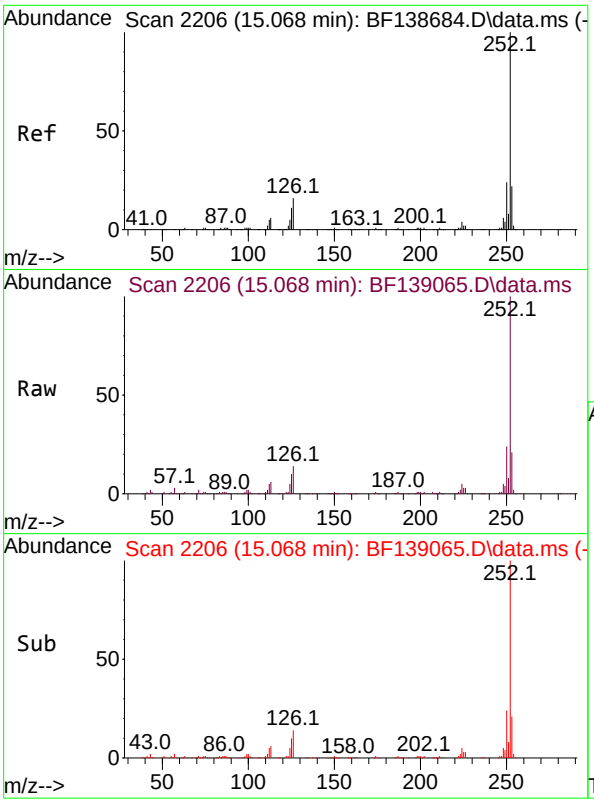


#88
Benzo(b)fluoranthene
Concen: 39.457 ng m
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:252 Resp: 236927

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	8.9	8.9	13.3#





#89
Benzo(k)fluoranthene
Concen: 39.529 ng
RT: 15.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

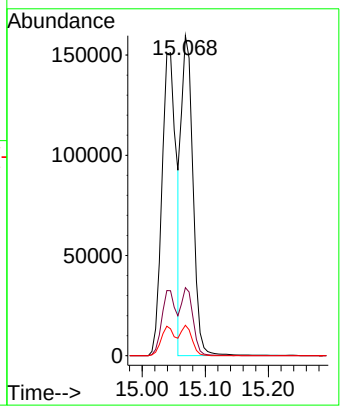
Tgt Ion:252 Resp: 20550

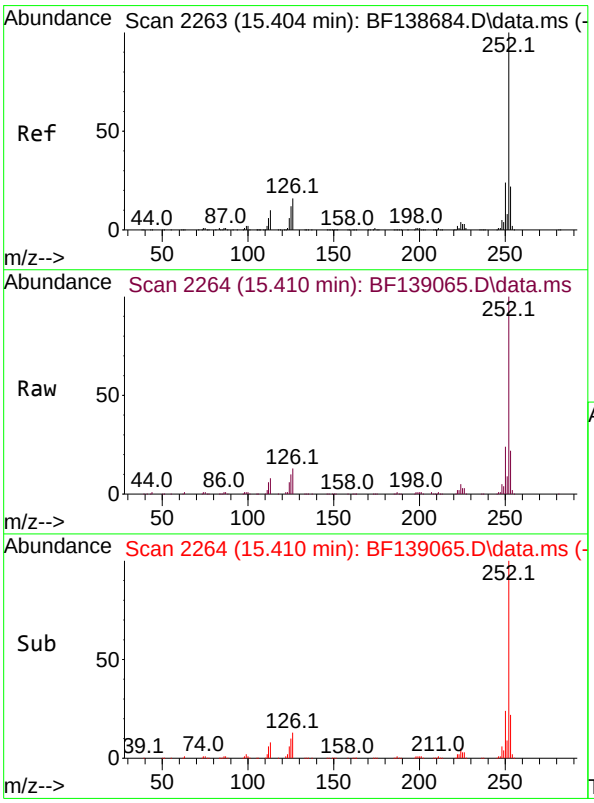
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	9.5	8.6	13.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

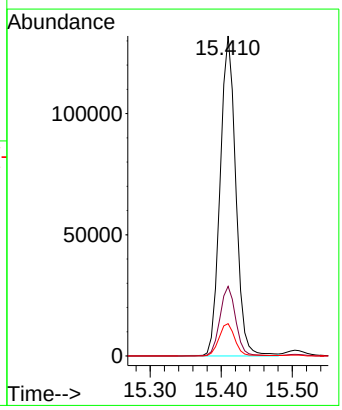


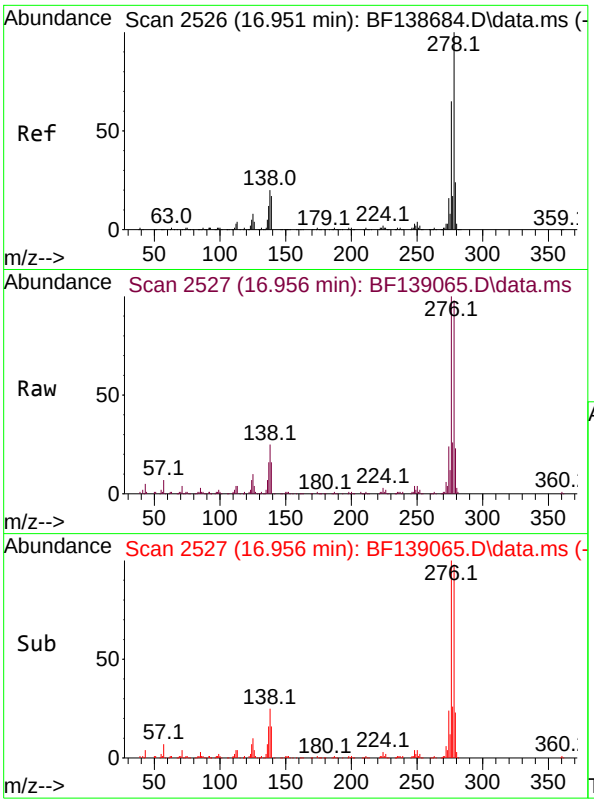


#90
Benzo(a)pyrene
Concen: 39.962 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:252 Resp: 201837

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.1	9.5	14.3

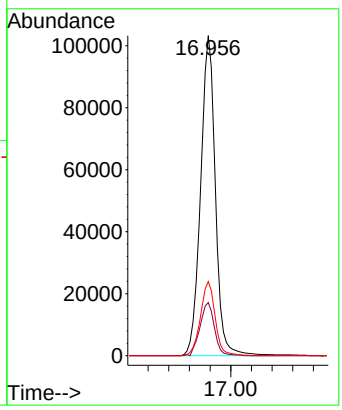




#91
Dibenzo(a,h)anthracene
Concen: 35.919 ng
RT: 16.956 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:278 Resp: 20467

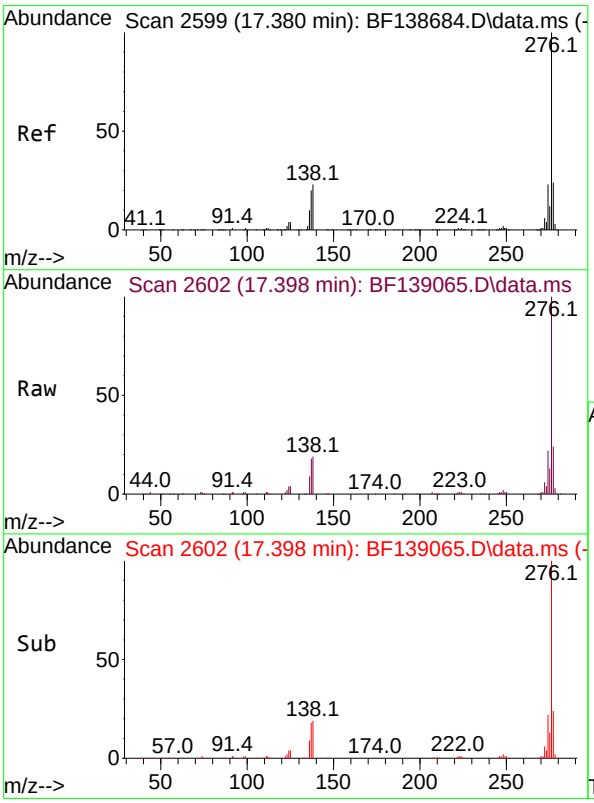
Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.0	21.0
279	23.1	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

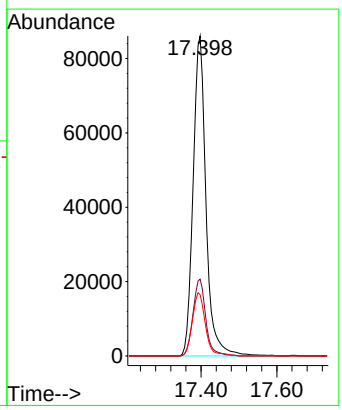
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#92
Benzo(g,h,i)perylene
Concen: 34.561 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF139065.D
Acq: 19 Aug 2024 09:41

Tgt Ion:276 Resp: 204358

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	19.2	18.5	27.7



Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	68	0.00
2		1,4-Dioxane	0.567	0.524	7.6	62	0.00
3		Pyridine	1.374	1.306	4.9	65	0.00
4		n-Nitrosodimethylamine	0.818	0.967	-18.2	81	0.03
5	S	2-Fluorophenol	1.296	1.304	-0.6	70	0.00
6		Aniline	1.551	1.554	-0.2	69	0.00
7	S	Phenol-d6	1.740	1.767	-1.6	72	0.00
8		2-Chlorophenol	1.363	1.403	-2.9	72	0.00
9		Benzaldehyde	1.043	1.044	-0.1	79	0.00
10	C	Phenol	1.832	1.836	-0.2	71	0.00
11		bis(2-Chloroethyl)ether	1.409	1.362	3.3	68	-0.01
12		1,3-Dichlorobenzene	1.526	1.547	-1.4	72	-0.01
13	C	1,4-Dichlorobenzene	1.540	1.560	-1.3	71	0.00
14		1,2-Dichlorobenzene	1.439	1.477	-2.6	72	0.00
15		Benzyl Alcohol	1.254	1.352	-7.8	76	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.326	4.1	68	-0.01
17		2-Methylphenol	1.126	1.133	-0.6	70	0.00
18		Hexachloroethane	0.580	0.601	-3.6	72	-0.01
19	P	n-Nitroso-di-n-propylamine	1.051	1.126	-7.1	78	0.00
20		3+4-Methylphenols	1.444	1.553	-7.5	78	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	73	0.00
22		Acetophenone	0.490	0.520	-6.1	78	0.00
23	S	Nitrobenzene-d5	0.409	0.429	-4.9	77	0.00
24		Nitrobenzene	0.416	0.423	-1.7	74	0.00
25		Isophorone	0.699	0.712	-1.9	76	0.00
26	C	2-Nitrophenol	0.179	0.186	-3.9	73	0.00
27		2,4-Dimethylphenol	0.214	0.212	0.9	72	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.417	1.9	72	0.00
29	C	2,4-Dichlorophenol	0.275	0.284	-3.3	75	0.00
30		1,2,4-Trichlorobenzene	0.318	0.320	-0.6	73	0.00
31		Naphthalene	1.053	1.055	-0.2	73	0.00
32		Benzoic acid	0.168	0.157	6.5	69	0.04
33		4-Chloroaniline	0.353	0.347	1.7	73	0.00
34	C	Hexachlorobutadiene	0.192	0.206	-7.3	79	-0.01
35		Caprolactam	0.082	0.086	-4.9	80	0.01
36	C	4-Chloro-3-methylphenol	0.315	0.333	-5.7	79	0.00
37		2-Methylnaphthalene	0.665	0.681	-2.4	76	-0.01
38		1-Methylnaphthalene	0.652	0.675	-3.5	77	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.571	-2.7	80	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.117	2.5	72	-0.01
42	S	2,4,6-Tribromophenol	0.164	0.163	0.6	79	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.331	2.4	76	0.00
44		2,4,5-Trichlorophenol	0.370	0.370	0.0	78	0.00
45	S	2-Fluorobiphenyl	1.331	1.396	-4.9	83	-0.01
46		1,1'-Biphenyl	1.566	1.566	0.0	79	-0.01
47		2-Chloronaphthalene	1.165	1.159	0.5	78	0.00

Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	0.395	0.414	-4.8	82	0.00
49		Acenaphthylene	1.652	1.626	1.6	77	-0.01
50		Dimethylphthalate	1.279	1.333	-4.2	84	0.00
51		2,6-Dinitrotoluene	0.289	0.304	-5.2	82	0.00
52	C	Acenaphthene	1.111	1.088	2.1	78	-0.01
53		3-Nitroaniline	0.298	0.294	1.3	79	0.00
54	P	2,4-Dinitrophenol	0.133	0.127	4.5	78	0.00
55		Dibenzofuran	1.568	1.595	-1.7	82	0.00
56	P	4-Nitrophenol	0.179	0.163	8.9	72	0.02
57		2,4-Dinitrotoluene	0.368	0.394	-7.1	84	0.00
58		Fluorene	1.249	1.305	-4.5	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.261	7.8	74	0.00
60		Diethylphthalate	1.213	1.333	-9.9	89	0.00
61		4-Chlorophenyl-phenylether	0.614	0.640	-4.2	84	-0.01
62		4-Nitroaniline	0.284	0.278	2.1	79	0.00
63		Azobenzene	1.345	1.387	-3.1	83	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	-0.01
65		4,6-Dinitro-2-methylphenol	0.122	0.115	5.7	78	0.01
66	c	n-Nitrosodiphenylamine	0.625	0.635	-1.6	85	0.00
67		4-Bromophenyl-phenylether	0.217	0.218	-0.5	85	-0.01
68		Hexachlorobenzene	0.224	0.224	0.0	86	0.00
69		Atrazine	0.161	0.128	20.5	66	0.00
70	C	Pentachlorophenol	0.101	0.081	19.8	67	0.00
71		Phenanthrene	1.030	1.014	1.6	84	0.00
72		Anthracene	1.015	1.004	1.1	84	0.00
73		Carbazole	0.875	0.852	2.6	82	0.00
74		Di-n-butylphthalate	0.984	1.108	-12.6	94	-0.01
75	C	Fluoranthene	0.961	0.926	3.6	81	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	70	0.00
77		Benzidine	0.478	0.440	7.9	57	0.00
78		Pyrene	1.883	1.938	-2.9	77	0.00
79	S	Terphenyl-d14	1.195	1.289	-7.9	81	0.00
80		Butylbenzylphthalate	0.603	0.660	-9.5	73	-0.01
81		Benzo(a)anthracene	1.377	1.370	0.5	68	0.00
82		3,3'-Dichlorobenzidine	0.352	0.366	-4.0	71	0.00
83		Chrysene	1.243	1.267	-1.9	72	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.869	1.6	64	-0.02
85	c	Di-n-octyl phthalate	1.634	1.481	9.4	59	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	64	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.282	10.5	59	0.01
88		Benzo(b)fluoranthene	1.240	1.223	1.4	64	0.00
89		Benzo(k)fluoranthene	1.073	1.061	1.1	68	0.00
90	C	Benzo(a)pyrene	1.043	1.042	0.1	65	0.00
91		Dibenzo(a,h)anthracene	1.177	1.057	10.2	60	0.00
92		Benzo(g,h,i)perylene	1.221	1.055	13.6	56	0.02

Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	68	0.00
2		1,4-Dioxane	40.000	36.932	7.7	62	0.00
3		Pyridine	40.000	38.014	5.0	65	0.00
4		n-Nitrosodimethylamine	40.000	47.266	-18.2	81	0.03
5	S	2-Fluorophenol	80.000	80.493	-0.6	70	0.00
6		Aniline	40.000	40.078	-0.2	69	0.00
7	S	Phenol-d6	80.000	81.243	-1.6	72	0.00
8		2-Chlorophenol	40.000	41.181	-3.0	72	0.00
9		Benzaldehyde	40.000	40.040	-0.1	79	0.00
10	C	Phenol	40.000	40.094	-0.2	71	0.00
11		bis(2-Chloroethyl)ether	40.000	38.666	3.3	68	-0.01
12		1,3-Dichlorobenzene	40.000	40.543	-1.4	72	-0.01
13	C	1,4-Dichlorobenzene	40.000	40.522	-1.3	71	0.00
14		1,2-Dichlorobenzene	40.000	41.060	-2.7	72	0.00
15		Benzyl Alcohol	40.000	43.123	-7.8	76	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.352	4.1	68	-0.01
17		2-Methylphenol	40.000	40.276	-0.7	70	0.00
18		Hexachloroethane	40.000	41.493	-3.7	72	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	42.861	-7.2	78	0.00
20		3+4-Methylphenols	40.000	43.013	-7.5	78	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	73	0.00
22		Acetophenone	40.000	42.494	-6.2	78	0.00
23	S	Nitrobenzene-d5	80.000	83.935	-4.9	77	0.00
24		Nitrobenzene	40.000	40.622	-1.6	74	0.00
25		Isophorone	40.000	40.756	-1.9	76	0.00
26	C	2-Nitrophenol	40.000	41.490	-3.7	73	0.00
27		2,4-Dimethylphenol	40.000	39.663	0.8	72	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.249	1.9	72	0.00
29	C	2,4-Dichlorophenol	40.000	41.218	-3.0	75	0.00
30		1,2,4-Trichlorobenzene	40.000	40.311	-0.8	73	0.00
31		Naphthalene	40.000	40.088	-0.2	73	0.00
32		Benzoic acid	40.000	37.232	6.9	69	0.04
33		4-Chloroaniline	40.000	39.263	1.8	73	0.00
34	C	Hexachlorobutadiene	40.000	42.731	-6.8	79	-0.01
35		Caprolactam	40.000	41.907	-4.8	80	0.01
36	C	4-Chloro-3-methylphenol	40.000	42.305	-5.8	79	0.00
37		2-Methylnaphthalene	40.000	40.974	-2.4	76	-0.01
38		1-Methylnaphthalene	40.000	41.451	-3.6	77	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.112	-2.8	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.064	9.8	72	-0.01
42	S	2,4,6-Tribromophenol	80.000	79.583	0.5	79	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.035	2.4	76	0.00
44		2,4,5-Trichlorophenol	40.000	39.912	0.2	78	0.00
45	S	2-Fluorobiphenyl	80.000	83.926	-4.9	83	-0.01
46		1,1'-Biphenyl	40.000	39.983	0.0	79	-0.01
47		2-Chloronaphthalene	40.000	39.812	0.5	78	0.00

Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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	41.936	-4.8	82	0.00
49		Acenaphthylene	40.000	39.365	1.6	77	-0.01
50		Dimethylphthalate	40.000	41.703	-4.3	84	0.00
51		2,6-Dinitrotoluene	40.000	42.121	-5.3	82	0.00
52	C	Acenaphthene	40.000	39.177	2.1	78	-0.01
53		3-Nitroaniline	40.000	39.403	1.5	79	0.00
54	P	2,4-Dinitrophenol	40.000	38.379	4.1	78	0.00
55		Dibenzofuran	40.000	40.683	-1.7	82	0.00
56	P	4-Nitrophenol	40.000	36.421	8.9	72	0.02
57		2,4-Dinitrotoluene	40.000	42.780	-7.0	84	0.00
58		Fluorene	40.000	41.802	-4.5	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	36.914	7.7	74	0.00
60		Diethylphthalate	40.000	43.983	-10.0	89	0.00
61		4-Chlorophenyl-phenylether	40.000	41.664	-4.2	84	-0.01
62		4-Nitroaniline	40.000	39.188	2.0	79	0.00
63		Azobenzene	40.000	41.240	-3.1	83	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	37.710	5.7	78	0.01
66	c	n-Nitrosodiphenylamine	40.000	40.616	-1.5	85	0.00
67		4-Bromophenyl-phenylether	40.000	40.275	-0.7	85	-0.01
68		Hexachlorobenzene	40.000	40.156	-0.4	86	0.00
69		Atrazine	40.000	31.765	20.6	66	0.00
70	C	Pentachlorophenol	40.000	32.067	19.8	67	0.00
71		Phenanthrene	40.000	39.375	1.6	84	0.00
72		Anthracene	40.000	39.588	1.0	84	0.00
73		Carbazole	40.000	38.956	2.6	82	0.00
74		Di-n-butylphthalate	40.000	45.052	-12.6	94	-0.01
75	C	Fluoranthene	40.000	38.509	3.7	81	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	70	0.00
77		Benzidine	40.000	36.767	8.1	57	0.00
78		Pyrene	40.000	41.174	-2.9	77	0.00
79	S	Terphenyl-d14	80.000	86.309	-7.9	81	0.00
80		Butylbenzylphthalate	40.000	43.800	-9.5	73	-0.01
81		Benzo(a)anthracene	40.000	39.802	0.5	68	0.00
82		3,3'-Dichlorobenzidine	40.000	41.548	-3.9	71	0.00
83		Chrysene	40.000	40.781	-2.0	72	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.380	1.5	64	-0.02
85	c	Di-n-octyl phthalate	40.000	36.272	9.3	59	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	64	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	35.784	10.5	59	0.01
88		Benzo(b)fluoranthene	40.000	39.457	1.4	64	0.00
89		Benzo(k)fluoranthene	40.000	39.529	1.2	68	0.00
90	C	Benzo(a)pyrene	40.000	39.962	0.1	65	0.00
91		Dibenzo(a,h)anthracene	40.000	35.919	10.2	60	0.00
92		Benzo(g,h,i)perylene	40.000	34.561	13.6	56	0.02

Sample Results: **BF139065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139065.D
Acq On : 19 Aug 2024 09:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 19 10:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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: JACO05

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG No.: P3573

Instrument ID: BNA_F Calibration Date/Time: 08/22/2024 10:25

Lab File ID: BF139113.D Init. Calib. Date(s): 08/20/2024 08/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:10 20:41

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.300	1.302		0.2	
Phenol-d6	1.680	1.722		2.5	
Nitrobenzene-d5	0.343	0.430		25.4	
2-Fluorobiphenyl	1.261	1.281		1.6	
2,4,6-Tribromophenol	0.181	0.215		18.8	
Terphenyl-d14	1.205	1.390		15.4	
Benzo(a)anthracene	1.315	1.390		5.7	
Benzo(a)pyrene	1.030	1.086		5.4	20.0
Dibenzo(a,h)anthracene	0.961	1.099		14.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92822	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	343989	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	206423	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	374434	20.000	ng	0.00
76) Chrysene-d12	14.057	240	220430	20.000	ng	0.00
86) Perylene-d12	15.533	264	197324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	483418	80.126	ng	0.00
7) Phenol-d6	6.522	99	639495	82.032	ng	0.00
23) Nitrobenzene-d5	7.463	82	591949	100.273	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	177903	95.201	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1058054	81.324	ng	0.00
79) Terphenyl-d14	13.004	244	1225485	92.249	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	105184	40.647	ng	99
3) Pyridine	3.440	79	272344	41.416	ng	100
4) n-Nitrosodimethylamine	3.398	42	154929	39.002	ng	99
6) Aniline	6.563	93	300421	42.688	ng	99
8) 2-Chlorophenol	6.681	128	237791	40.978	ng	99
9) Benzaldehyde	6.451	77	189909	41.537	ng	100
10) Phenol	6.539	94	339518	41.857	ng	100
11) bis(2-Chloroethyl)ether	6.634	93	244710	37.514	ng	99
12) 1,3-Dichlorobenzene	6.839	146	283295	40.604	ng	100
13) 1,4-Dichlorobenzene	6.916	146	284066	40.721	ng	99
14) 1,2-Dichlorobenzene	7.069	146	266108	41.739	ng	99
15) Benzyl Alcohol	7.039	79	258007	41.875	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	354062	38.532	ng	99
17) 2-Methylphenol	7.145	107	204934	41.280	ng	99
18) Hexachloroethane	7.410	117	101144	41.348	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	203939	39.836	ng	99
20) 3+4-Methylphenols	7.298	107	268466	41.738	ng	99
22) Acetophenone	7.310	105	363970	41.440	ng	98
24) Nitrobenzene	7.481	77	313650	47.800	ng	100
25) Isophorone	7.716	82	529368	42.189	ng	100
26) 2-Nitrophenol	7.798	139	113312	49.343	ng	96
27) 2,4-Dimethylphenol	7.828	122	166026	41.727	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	298794	40.755	ng	100
29) 2,4-Dichlorophenol	8.033	162	211374	42.642	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	238360	41.066	ng	99
31) Naphthalene	8.204	128	720491	41.332	ng	100
32) Benzoic acid	7.933	122	165884	49.705	ng	96
33) 4-Chloroaniline	8.251	127	255271	42.759	ng	99
34) Hexachlorobutadiene	8.322	225	154987	40.877	ng	99
35) Caprolactam	8.622	113	69828	44.432	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	238684	43.488	ng	98
37) 2-Methylnaphthalene	8.892	142	474576	42.445	ng	98
38) 1-Methylnaphthalene	8.992	142	452216	41.906	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	239663	42.331	ng	99
41) Hexachlorocyclopentadiene	9.045	237	97792	45.024	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	164164	43.045	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

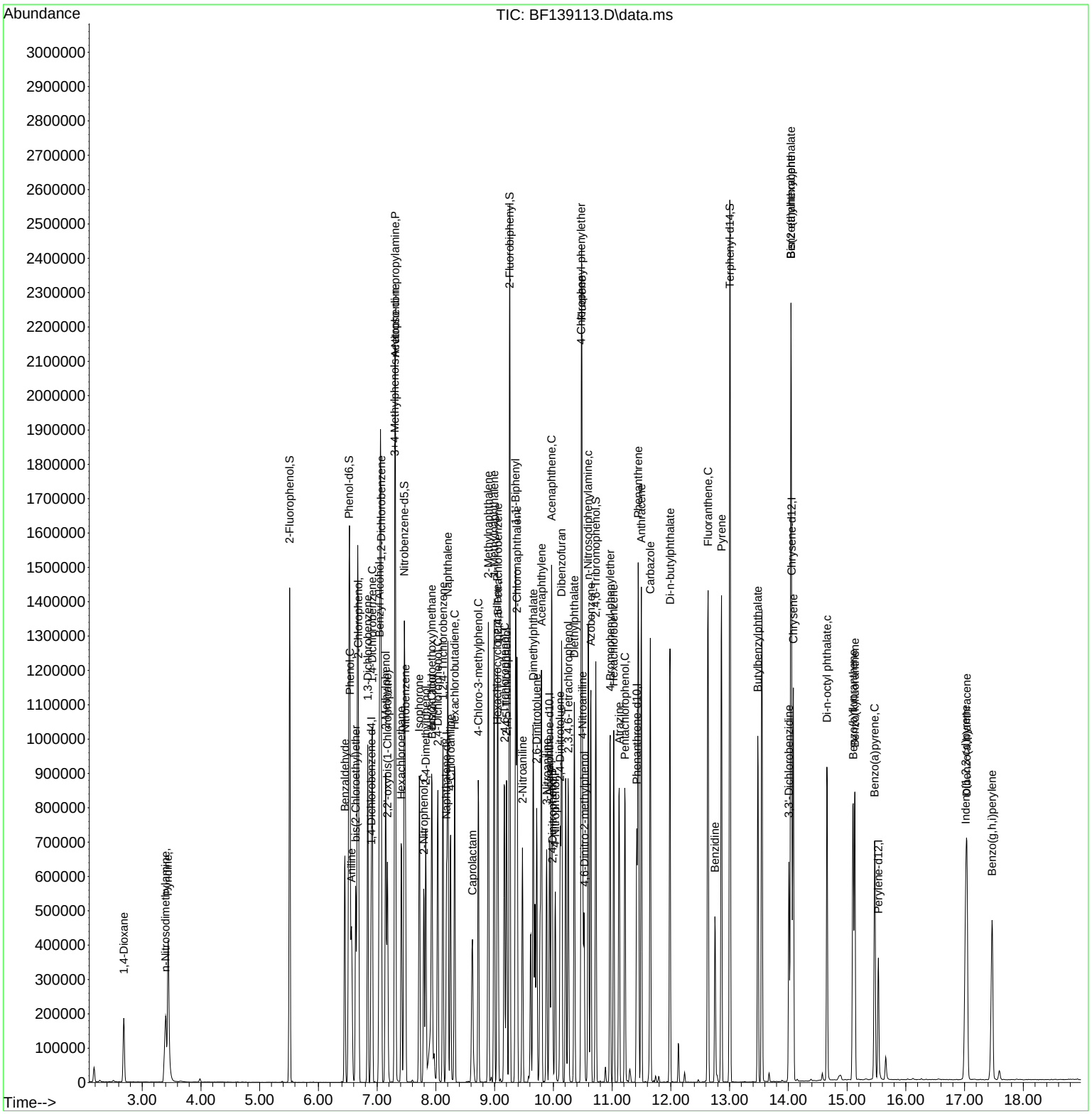
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	167343	42.748	ng		99
46) 1,1'-Biphenyl	9.357	154	592499	41.901	ng		99
47) 2-Chloronaphthalene	9.380	162	464740	40.449	ng		99
48) 2-Nitroaniline	9.475	65	157692	47.900	ng		97
49) Acenaphthylene	9.798	152	685859	41.671	ng		100
50) Dimethylphthalate	9.657	163	556884	43.698	ng		100
51) 2,6-Dinitrotoluene	9.716	165	124713	48.715	ng		98
52) Acenaphthene	9.969	154	462561	42.546	ng		100
53) 3-Nitroaniline	9.886	138	118521	46.014	ng	#	98
54) 2,4-Dinitrophenol	9.986	184	52107	56.704	ng		93
55) Dibenzofuran	10.139	168	670273	42.445	ng		99
56) 4-Nitrophenol	10.033	139	97778	50.759	ng		99
57) 2,4-Dinitrotoluene	10.116	165	165368	51.187	ng		96
58) Fluorene	10.486	166	530192	42.012	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	144914	46.105	ng		99
60) Diethylphthalate	10.357	149	560571	44.395	ng		99
61) 4-Chlorophenyl-phenyle...	10.474	204	266663	42.308	ng		99
62) 4-Nitroaniline	10.498	138	123431	47.251	ng		98
63) Azobenzene	10.639	77	605902	43.180	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	79475	55.789	ng		88
66) n-Nitrosodiphenylamine	10.592	169	456509	41.204	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	167500	42.217	ng		97
68) Hexachlorobenzene	11.027	284	180097	42.310	ng		99
69) Atrazine	11.121	200	144972	42.845	ng		99
70) Pentachlorophenol	11.222	266	128891	47.403	ng		98
71) Phenanthrene	11.445	178	773264	40.630	ng		100
72) Anthracene	11.498	178	763654	41.029	ng		100
73) Carbazole	11.651	167	700649	40.313	ng		100
74) Di-n-butylphthalate	11.986	149	861743	42.761	ng		99
75) Fluoranthene	12.633	202	812716	40.009	ng		99
77) Benzidine	12.751	184	249442	54.783	ng		99
78) Pyrene	12.863	202	812250	44.155	ng		100
80) Butylbenzylphthalate	13.480	149	302466	47.527	ng		97
81) Benzo(a)anthracene	14.045	228	612966	42.302	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	179919	44.421	ng		99
83) Chrysene	14.086	228	539940	41.110	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	397307	47.092	ng		100
85) Di-n-octyl phthalate	14.657	149	568765	48.032	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	520345	45.057	ng		100
88) Benzo(b)fluoranthene	15.104	252	518806	40.329	ng		99
89) Benzo(k)fluoranthene	15.133	252	460417	42.972	ng		99
90) Benzo(a)pyrene	15.468	252	428665	42.171	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	433744	45.754	ng		100
92) Benzo(g,h,i)perylene	17.468	276	427561	39.972	ng		100

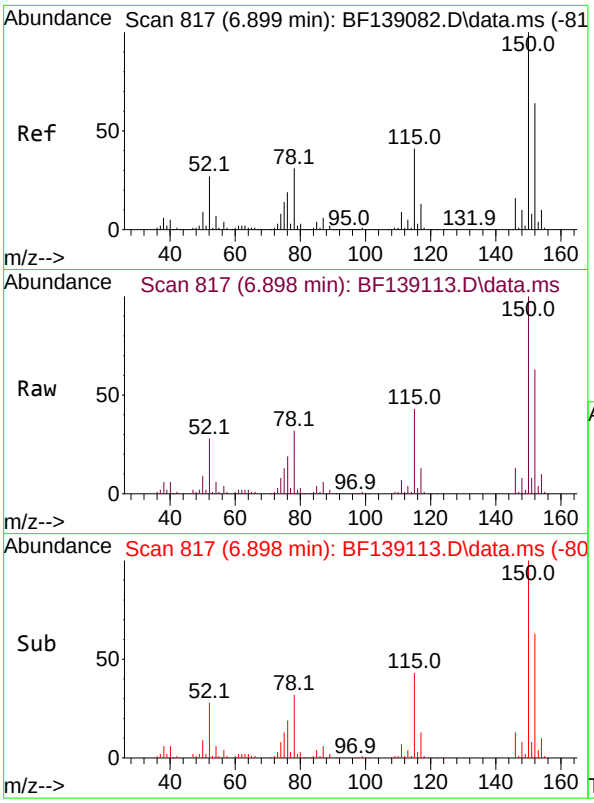
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration



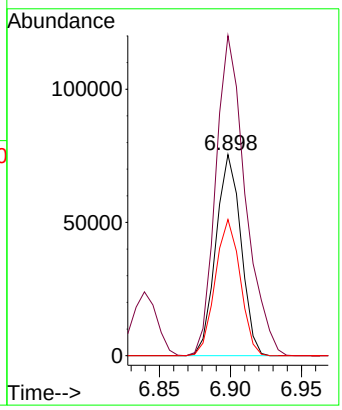


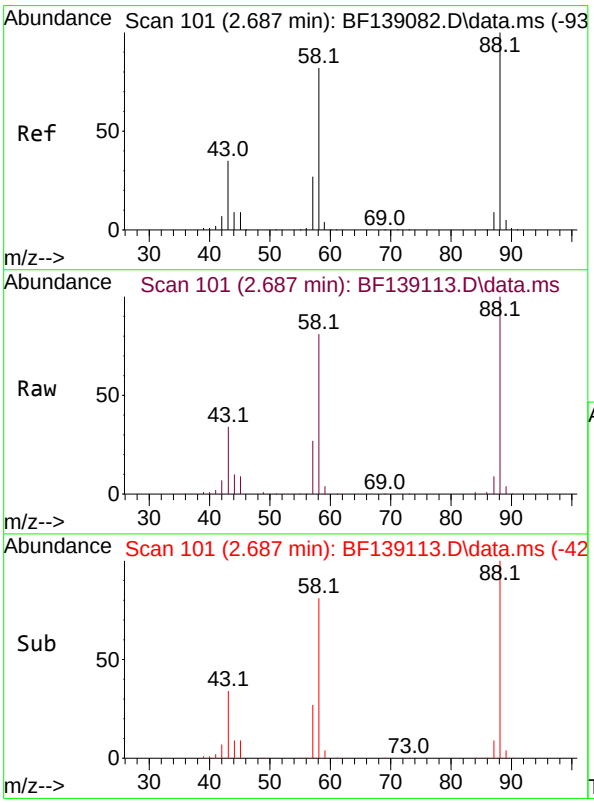
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 92822

Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.1	187.7
115	67.7	51.8	77.6

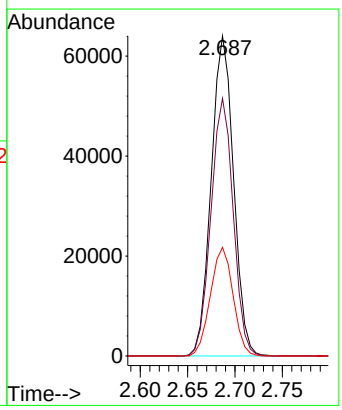


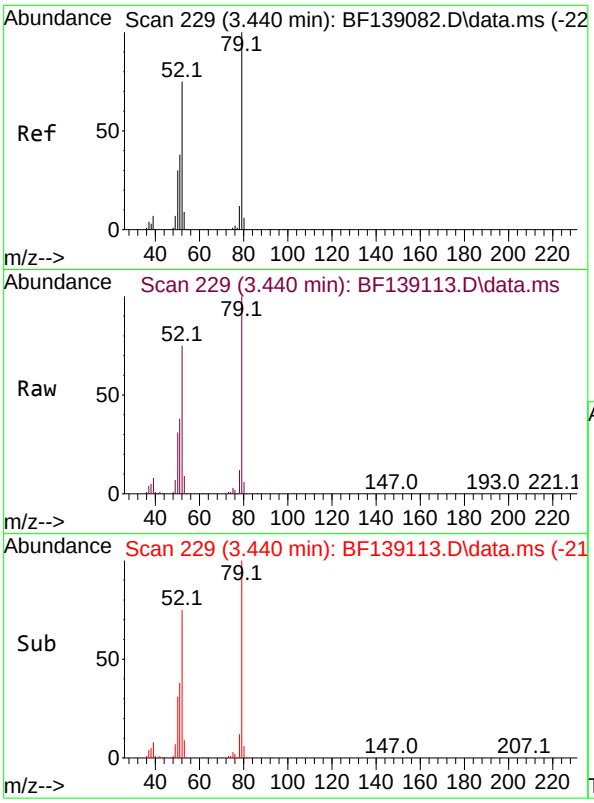


#2
1,4-Dioxane
Concen: 40.647 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 88 Resp: 105184

Ion	Ratio	Lower	Upper
88	100		
58	80.1	65.4	98.0
43	34.4	27.9	41.9



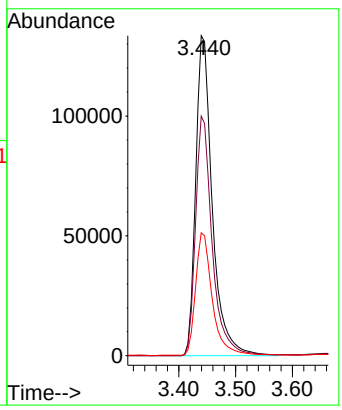


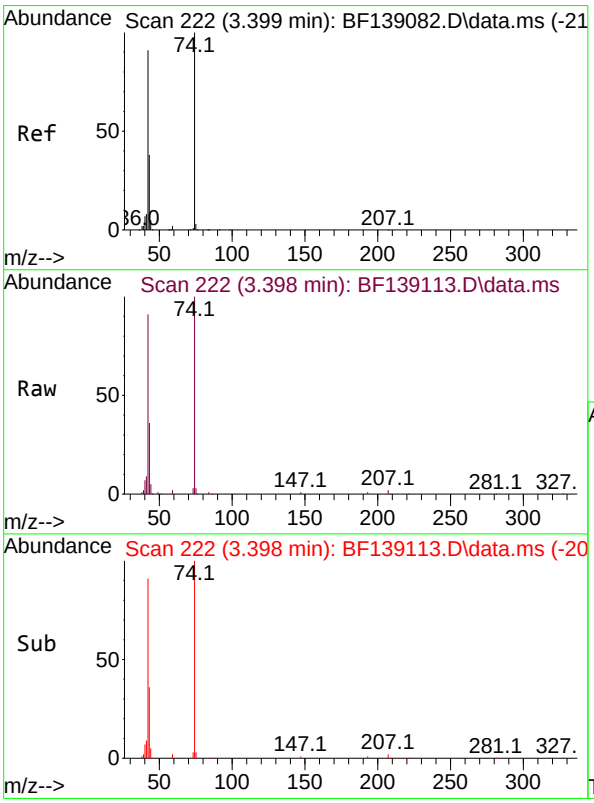
#3
Pyridine
Concen: 41.416 ng
RT: 3.440 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 272344

Ion	Ratio	Lower	Upper
79	100		
52	74.8	59.7	89.5
51	38.4	30.6	45.8

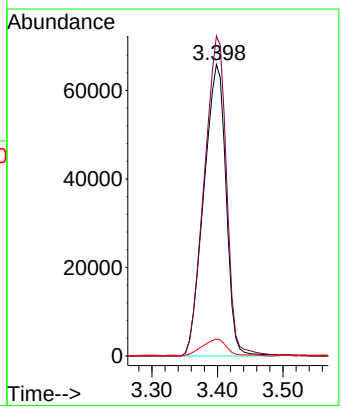


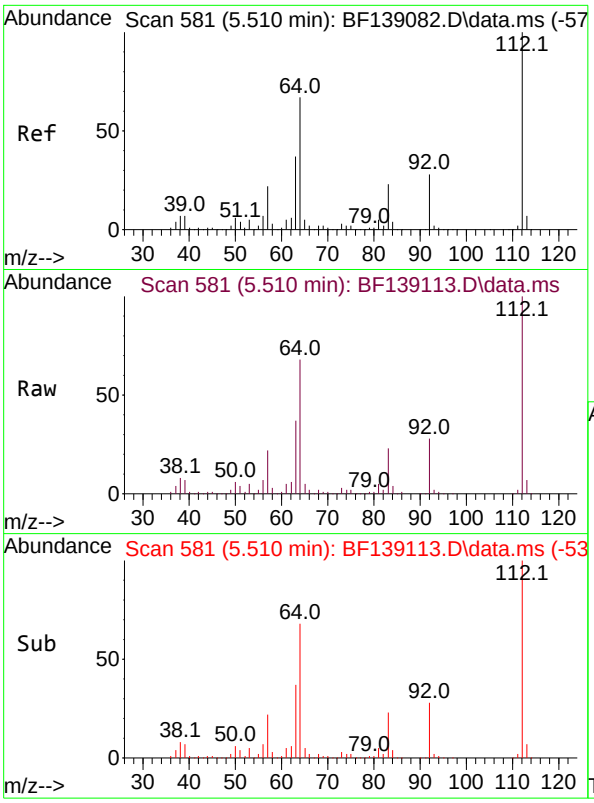


#4
n-Nitrosodimethylamine
Concen: 39.002 ng
RT: 3.398 min Scan# 222
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 42 Resp: 154929

Ion	Ratio	Lower	Upper
42	100		
74	109.8	88.2	132.2
44	5.8	5.4	8.0



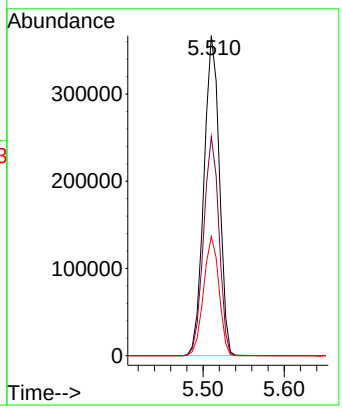


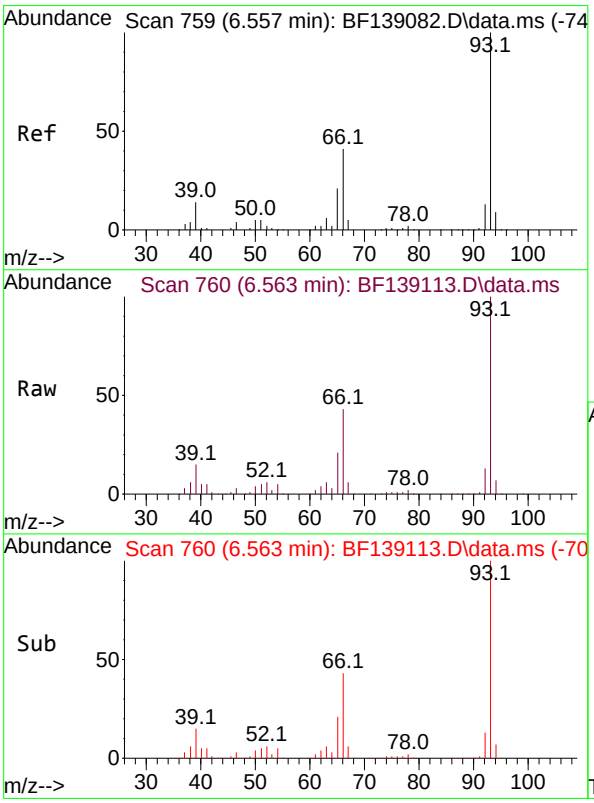
#5
2-Fluorophenol
Concen: 80.126 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 483418

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.8	80.6
63	37.3	29.4	44.2

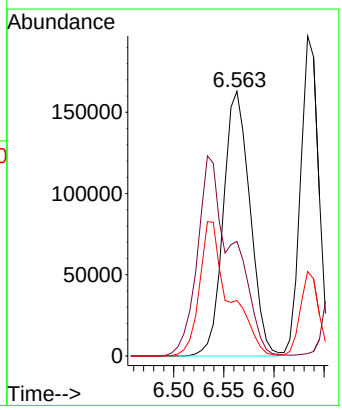


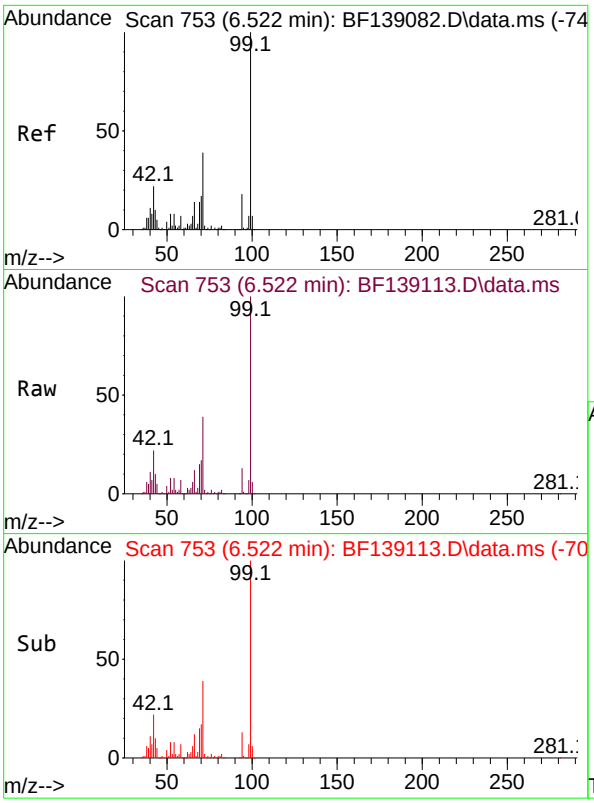


#6
Aniline
Concen: 42.688 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 93 Resp: 300421

Ion	Ratio	Lower	Upper
93	100		
66	43.3	35.1	52.7
65	21.0	17.4	26.2



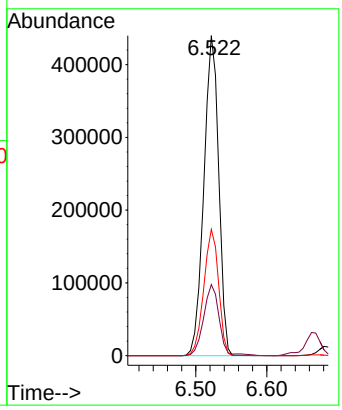


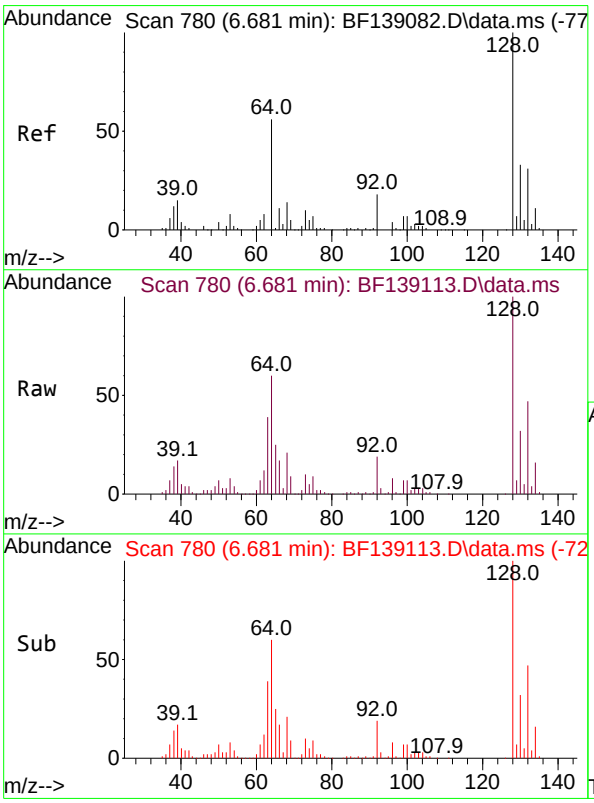
#7
Phenol-d6
Concen: 82.032 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 639495

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	39.5	31.2	46.8

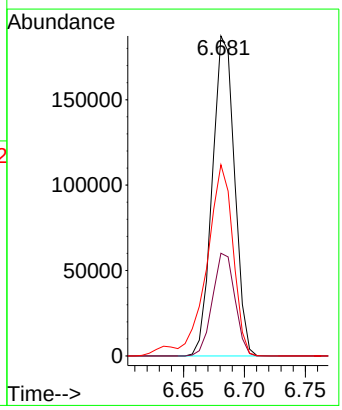


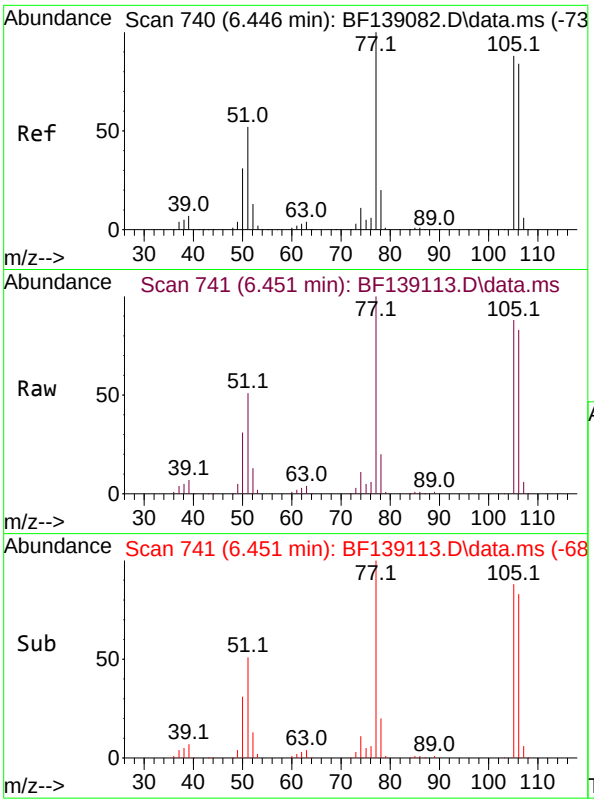


#8
2-Chlorophenol
Concen: 40.978 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:128 Resp: 237791

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	59.7	39.1	79.1



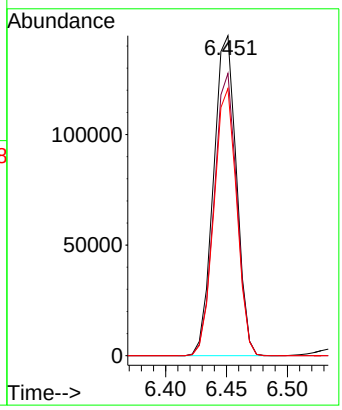


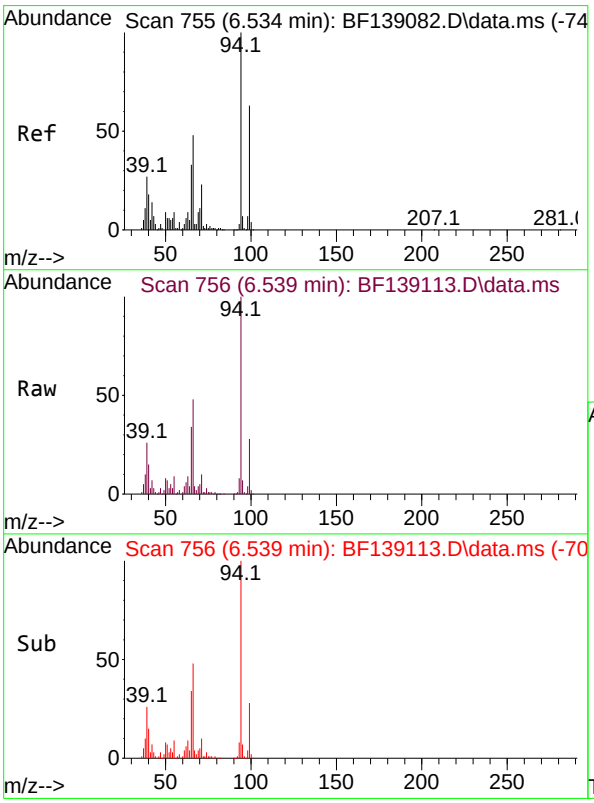
#9
Benzaldehyde
Concen: 41.537 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 189909

Ion	Ratio	Lower	Upper
77	100		
105	88.2	68.2	108.2
106	83.5	63.8	103.8

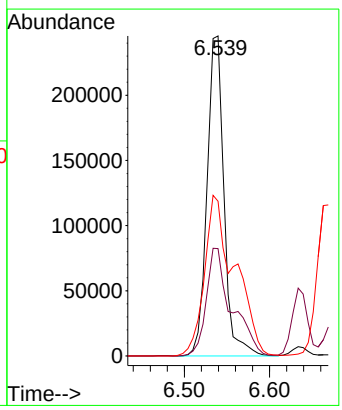


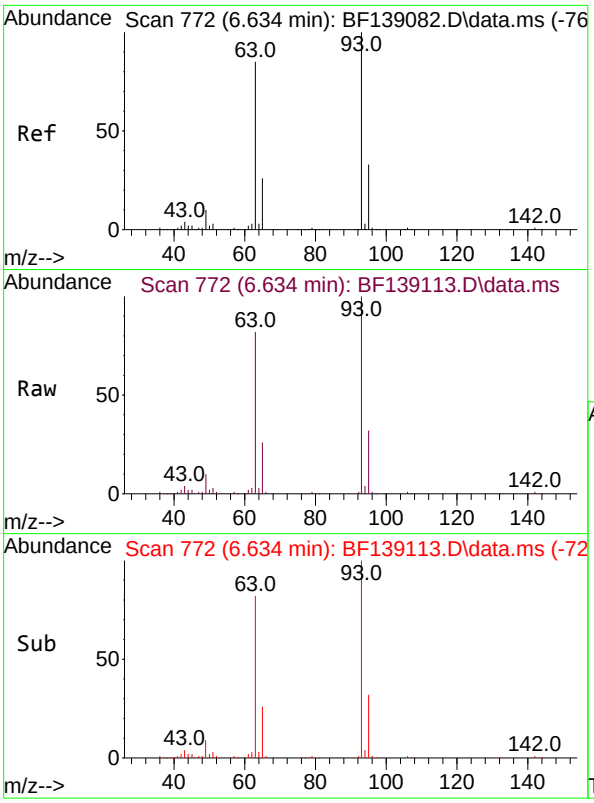


#10
Phenol
Concen: 41.857 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 94 Resp: 339518

Ion	Ratio	Lower	Upper
94	100		
65	33.6	13.5	53.5
66	48.3	28.5	68.5



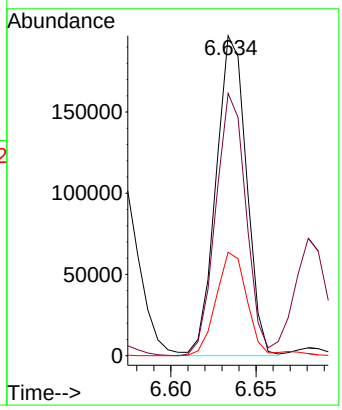


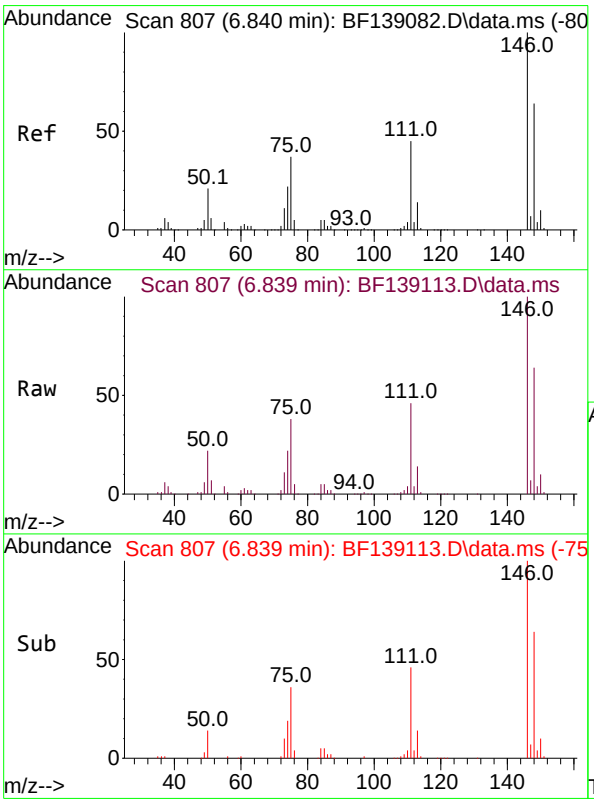
#11
bis(2-Chloroethyl)ether
Concen: 37.514 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 244710

Ion	Ratio	Lower	Upper
93	100		
63	81.9	62.7	102.7
95	32.3	11.9	51.9

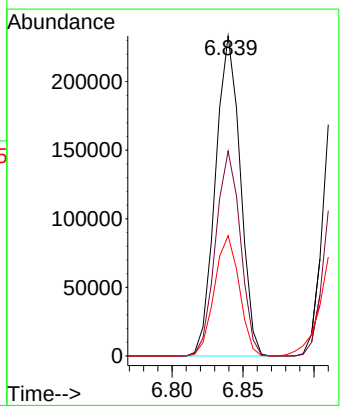


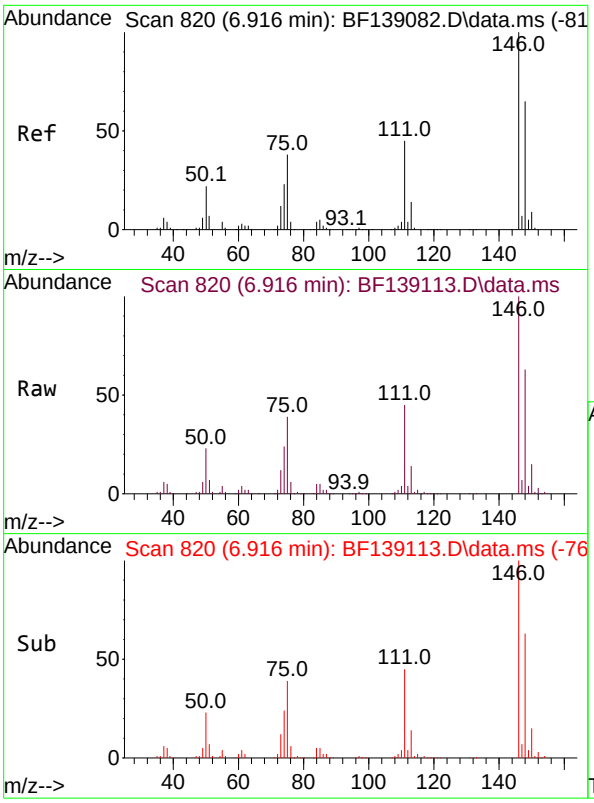


#12
1,3-Dichlorobenzene
Concen: 40.604 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:146 Resp: 283295

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	37.6	29.9	44.9



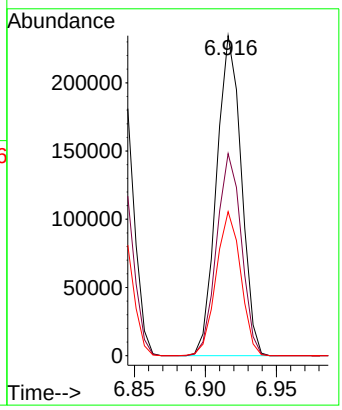


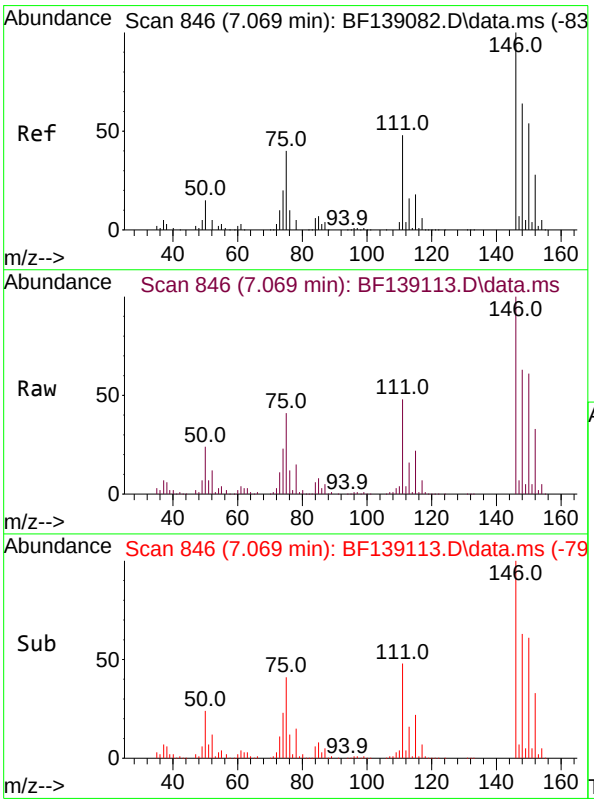
#13
1,4-Dichlorobenzene
Concen: 40.721 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 284066

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.9	77.9
111	45.0	35.8	53.6

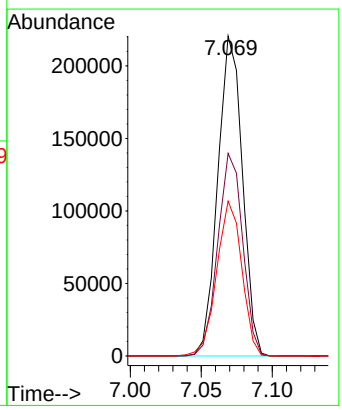


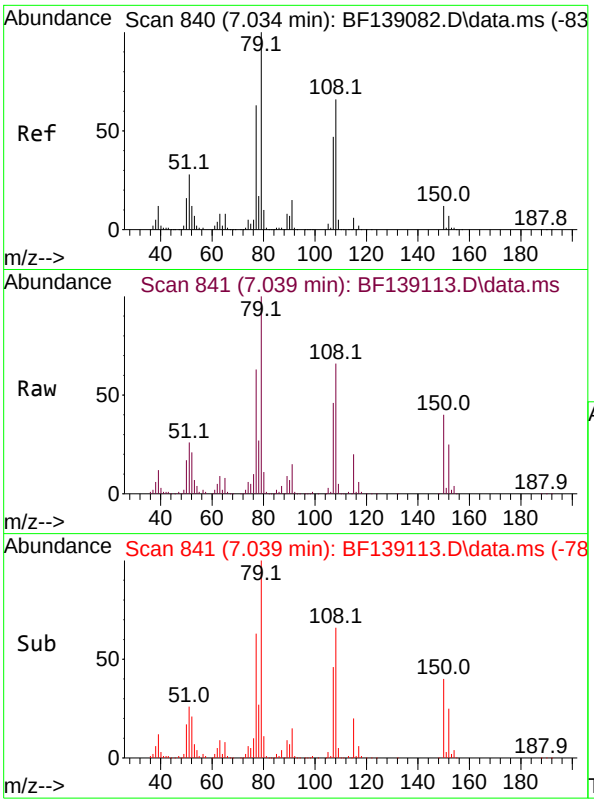


#14
1,2-Dichlorobenzene
Concen: 41.739 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:146 Resp: 266108

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.2
111	48.4	38.1	57.1



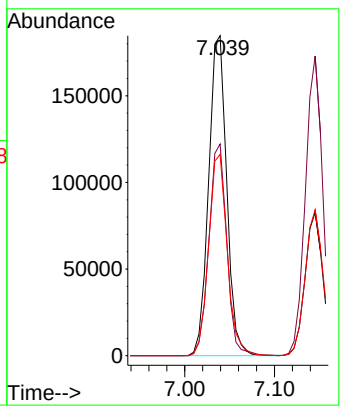


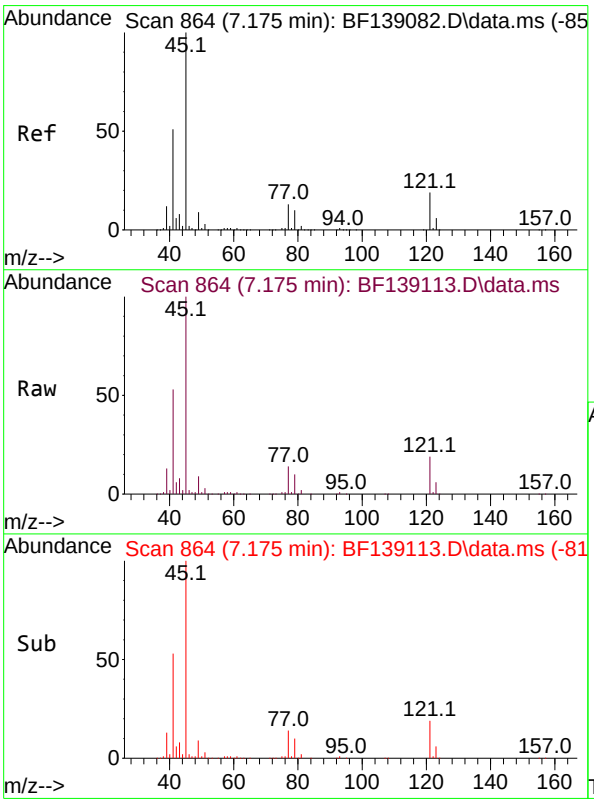
#15
Benzyl Alcohol
Concen: 41.875 ng
RT: 7.039 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 258007

Ion	Ratio	Lower	Upper
79	100		
108	66.1	52.8	79.2
77	62.9	50.6	76.0

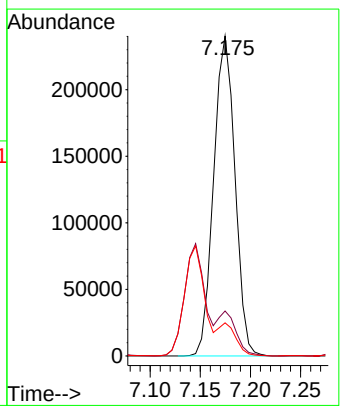


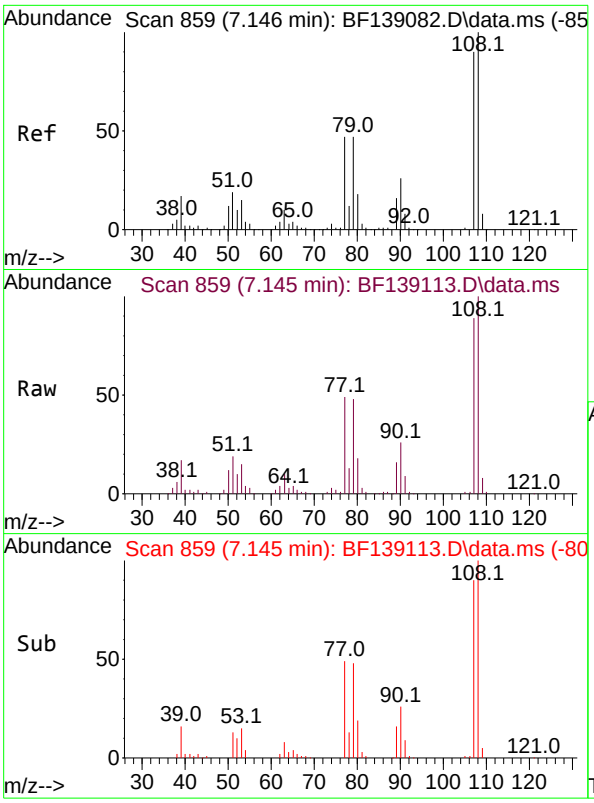


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.532 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 45 Resp: 354062

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	33.7
79	10.4	0.0	30.4



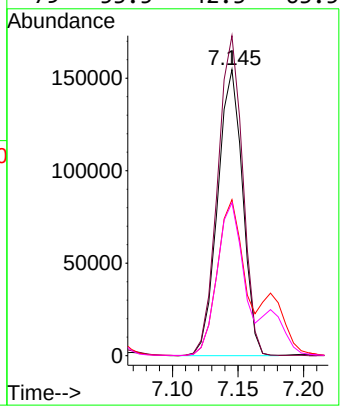


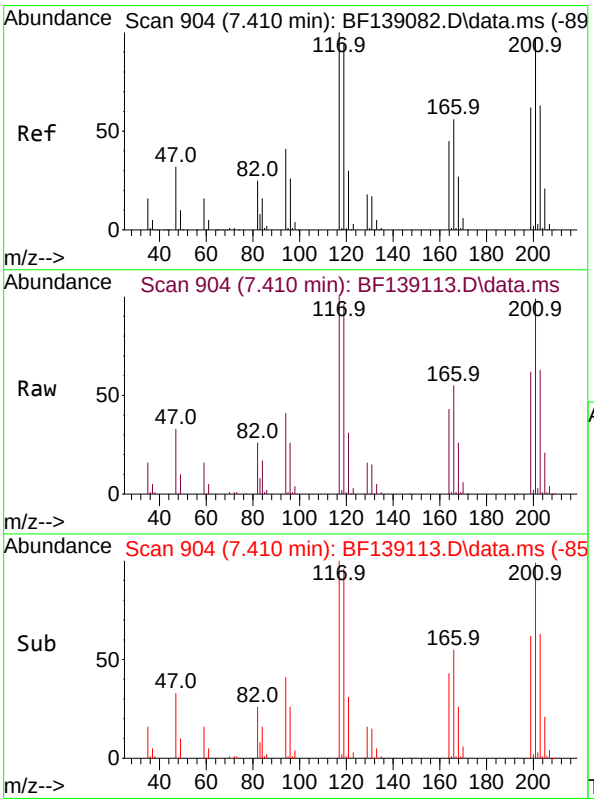
#17
2-Methylphenol
Concen: 41.280 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 204934

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.1	133.7
77	54.5	42.1	63.1
79	53.5	42.3	63.5

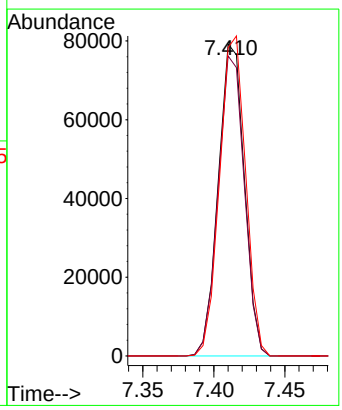


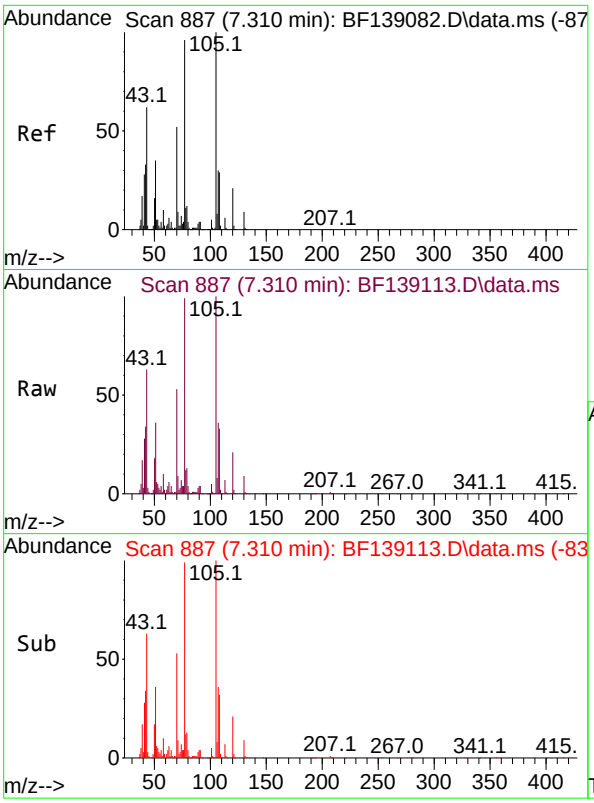


#18
Hexachloroethane
Concen: 41.348 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:117 Resp: 101144

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.5	113.3
201	98.8	77.8	116.8



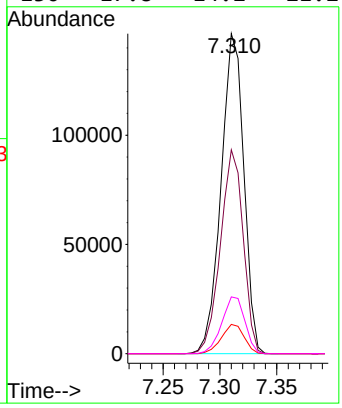


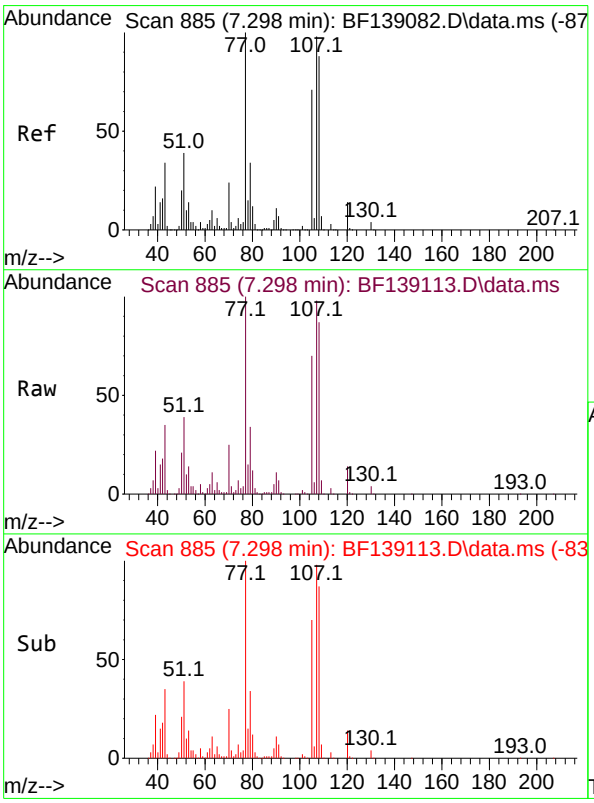
#19
n-Nitroso-di-n-propylamine
Concen: 39.836 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 203939

Ion	Ratio	Lower	Upper
70	100		
42	63.7	50.5	75.7
101	9.2	7.2	10.8
130	17.8	14.2	21.2

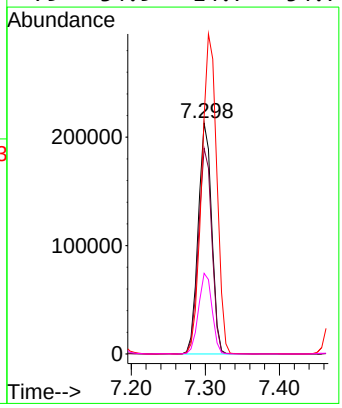


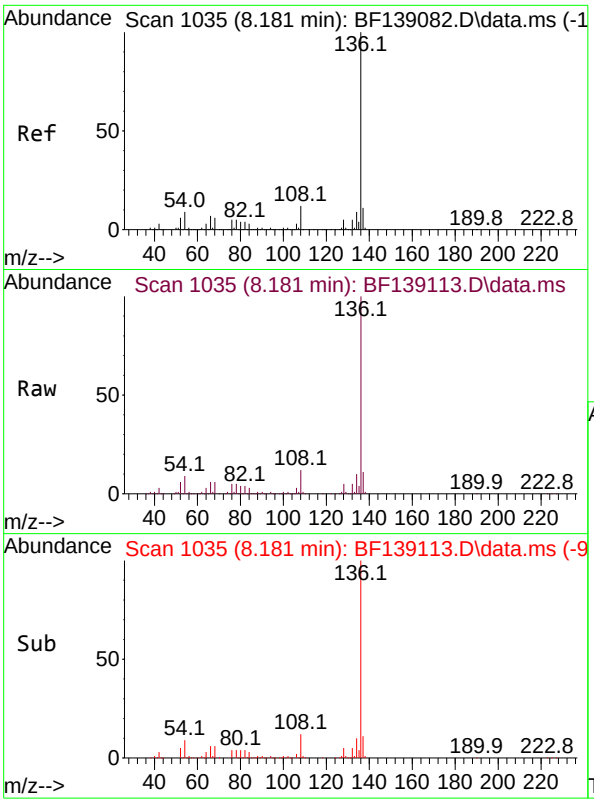


#20
3+4-Methylphenols
Concen: 41.738 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:107 Resp: 268466

Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.2	110.2
77	102.6	82.7	122.7
79	34.9	14.7	54.7



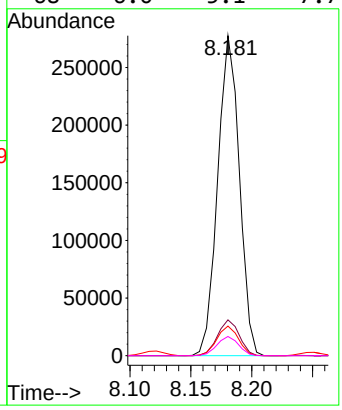


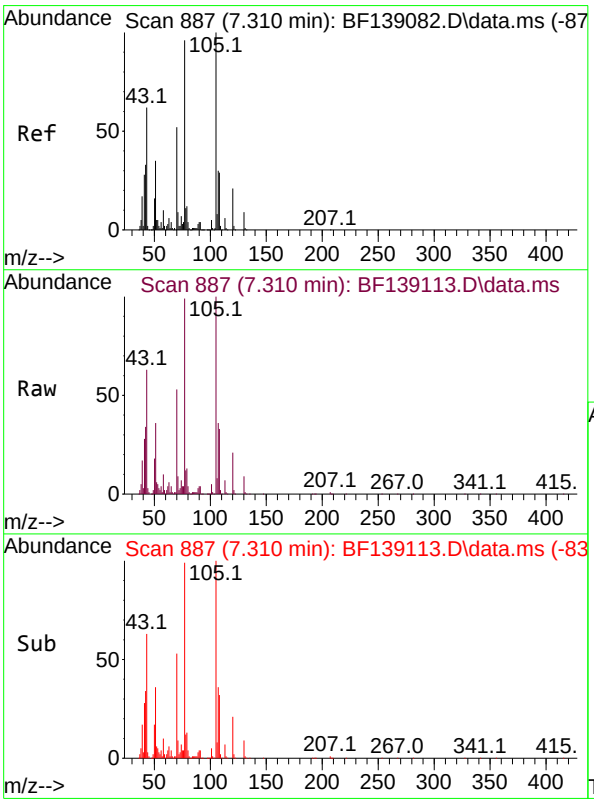
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 343989

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.3	7.6	11.4
68	6.0	5.1	7.7

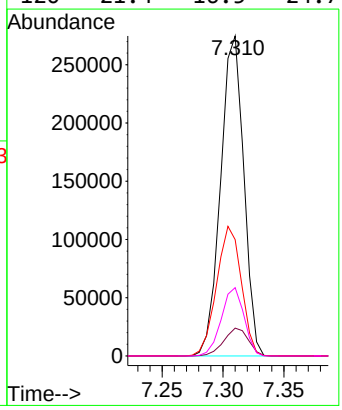


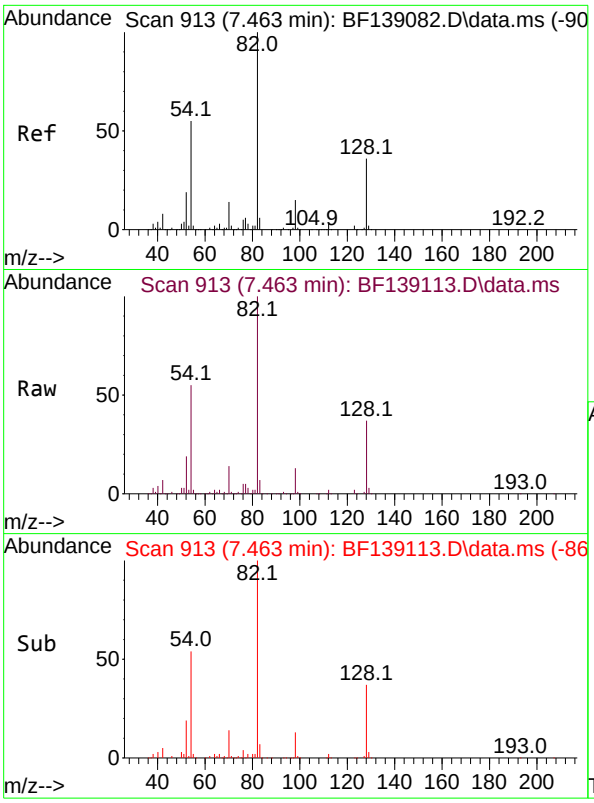


#22
Acetophenone
Concen: 41.440 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:105 Resp: 363970

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.0	10.6
51	36.3	28.0	42.0
120	21.4	16.5	24.7



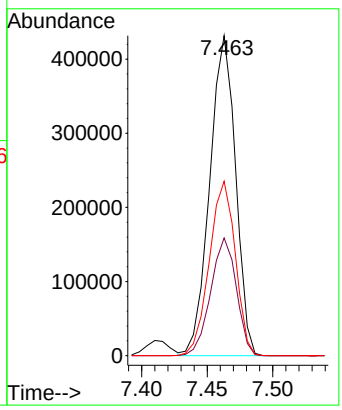


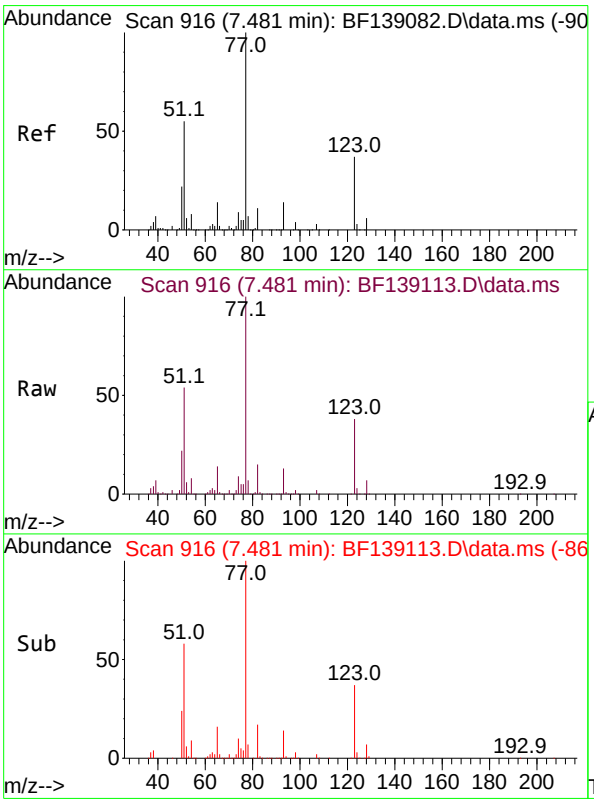
#23
Nitrobenzene-d5
Concen: 100.273 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 591949

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.0	43.4
54	54.5	43.4	65.2

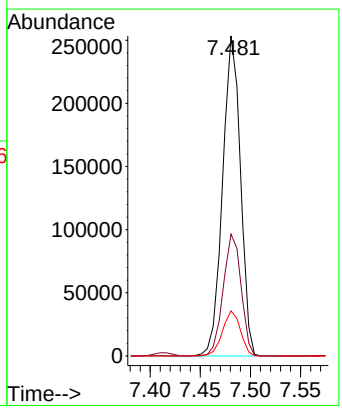


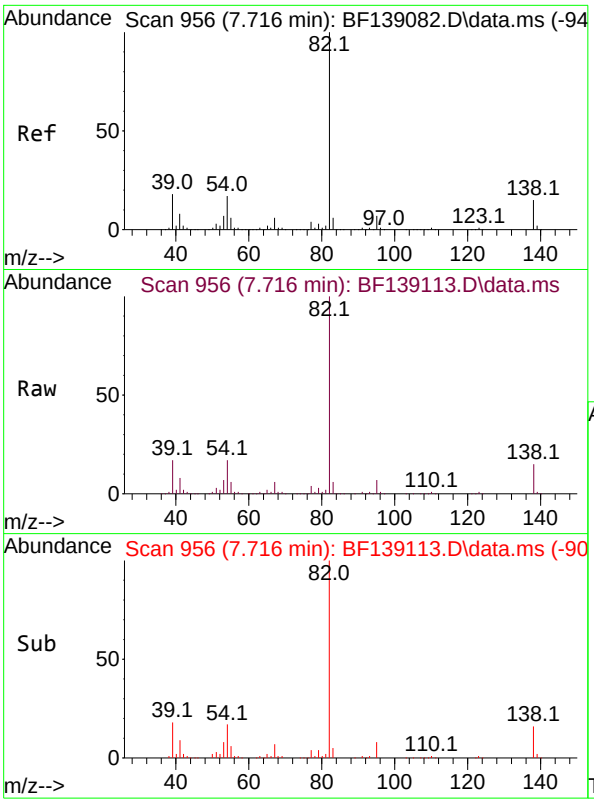


#24
Nitrobenzene
Concen: 47.800 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 77 Resp: 313650

Ion	Ratio	Lower	Upper
77	100		
123	38.1	30.3	45.5
65	14.1	11.3	16.9



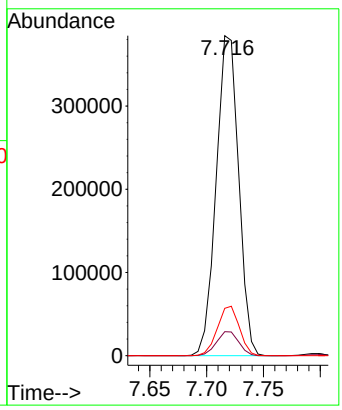


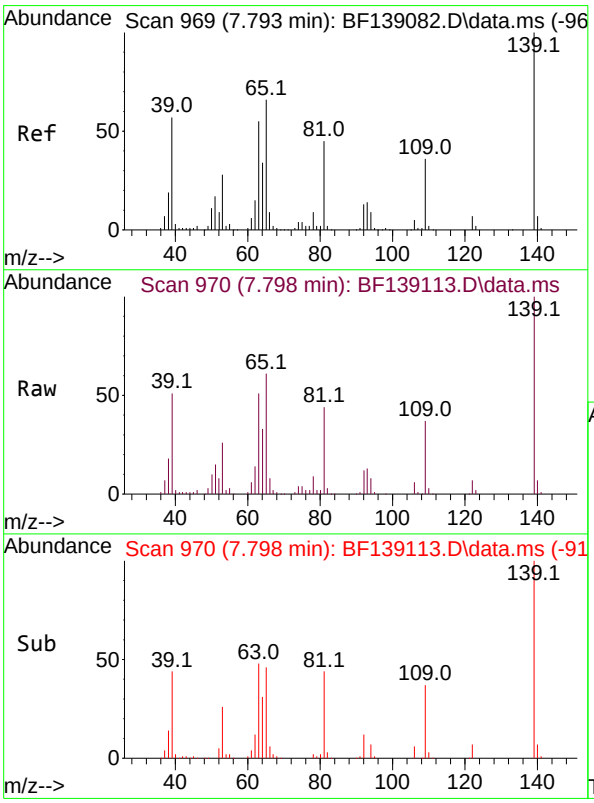
#25
Isophorone
Concen: 42.189 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 529368

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	14.8	11.8	17.8

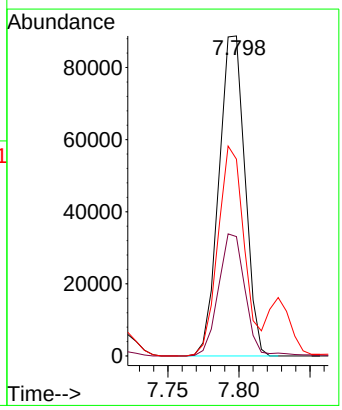


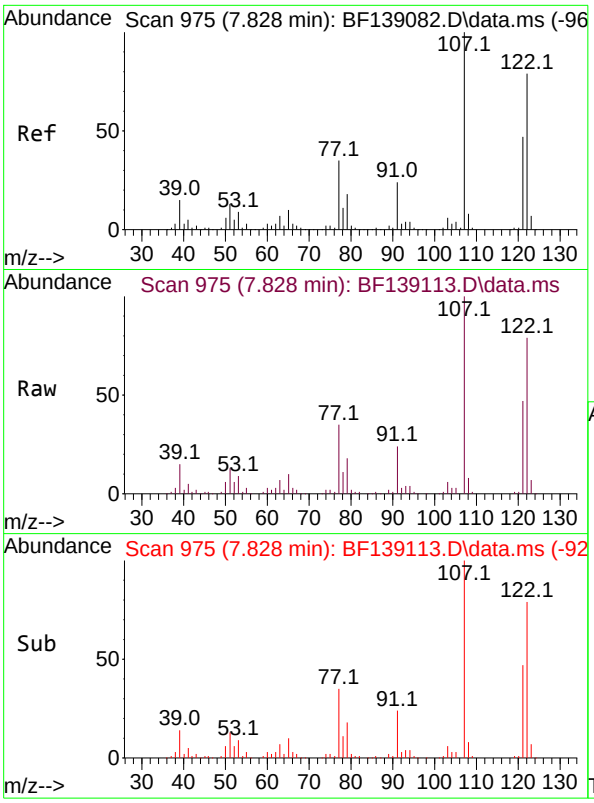


#26
2-Nitrophenol
Concen: 49.343 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:139 Resp: 113312

Ion	Ratio	Lower	Upper
139	100		
109	37.3	29.2	43.8
65	61.5	52.7	79.1



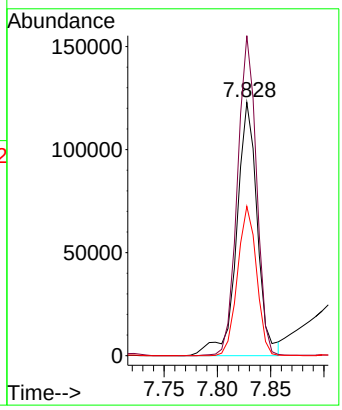


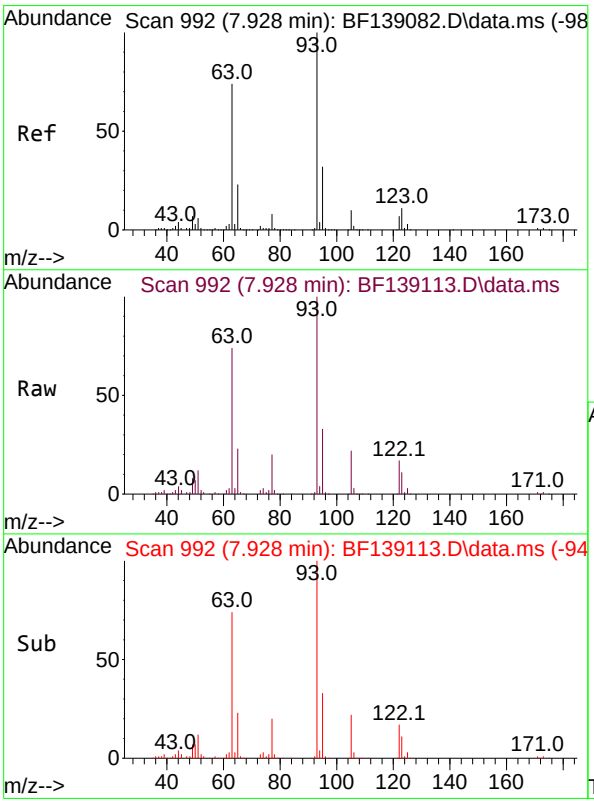
#27
2,4-Dimethylphenol
Concen: 41.727 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 166026

Ion	Ratio	Lower	Upper
122	100		
107	126.3	101.1	151.7
121	59.0	47.5	71.3

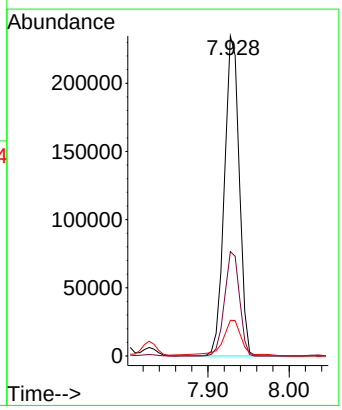


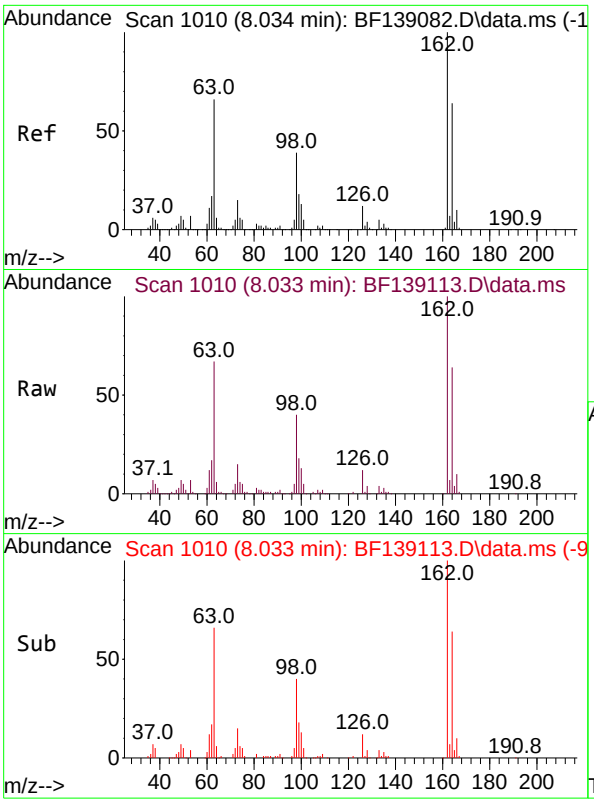


#28
bis(2-Chloroethoxy)methane
Concen: 40.755 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 93 Resp: 298794

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.8
123	11.2	8.9	13.3



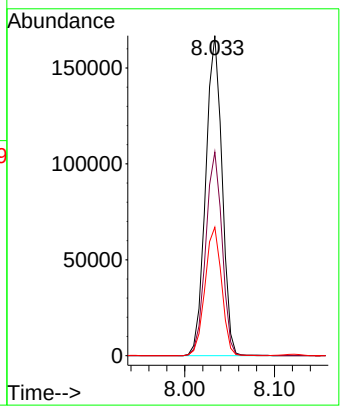


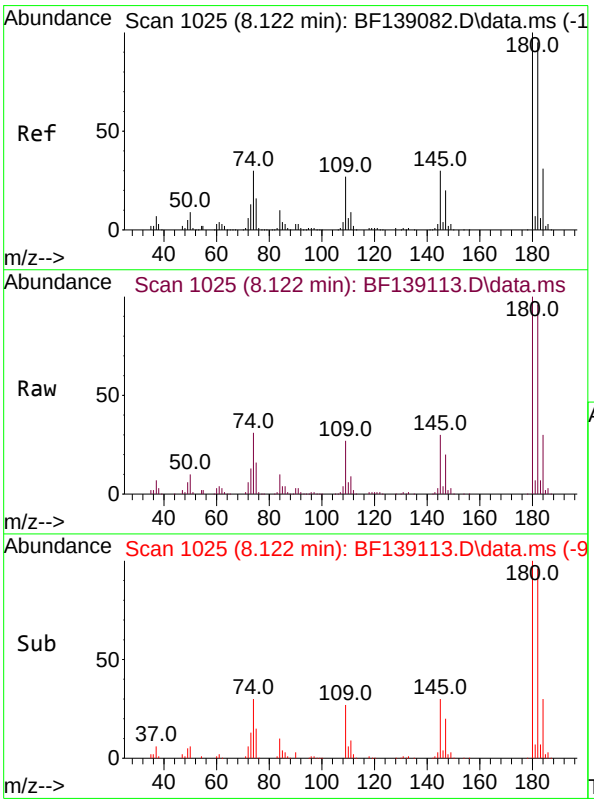
#29
2,4-Dichlorophenol
Concen: 42.642 ng
RT: 8.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 211374

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.9	83.9
98	40.1	19.7	59.7

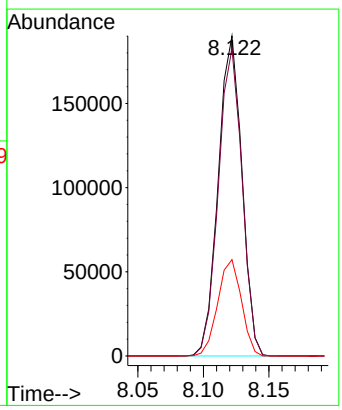


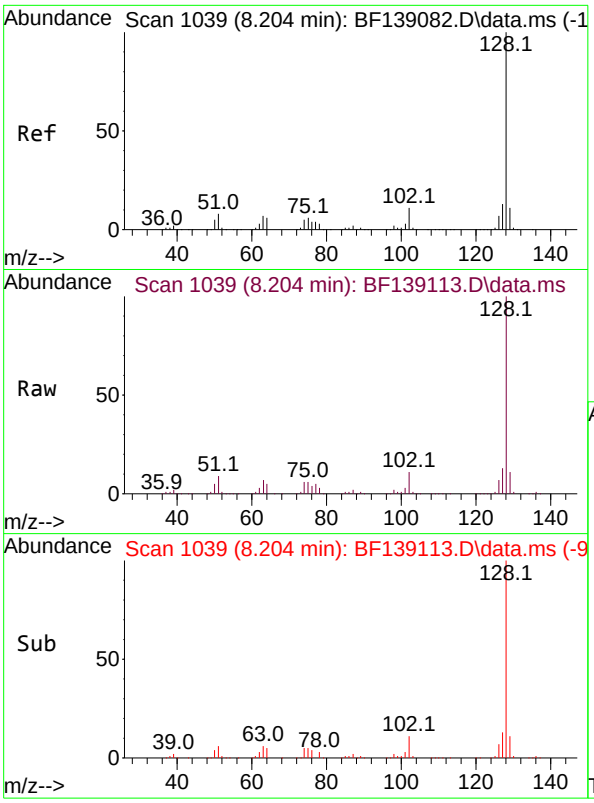


#30
1,2,4-Trichlorobenzene
Concen: 41.066 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:180 Resp: 238360

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	30.1	23.9	35.9



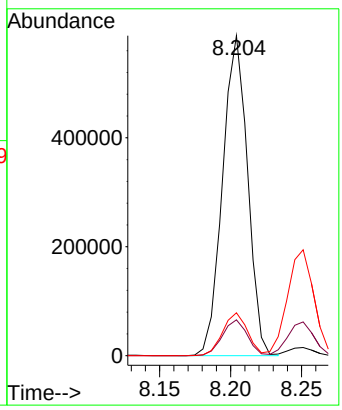


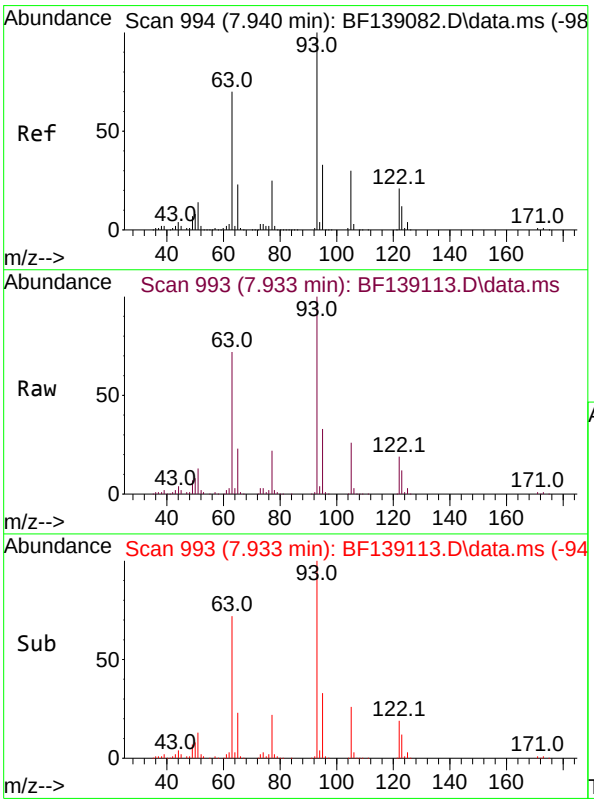
#31
Naphthalene
Concen: 41.332 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 720491

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.4	10.7	16.1

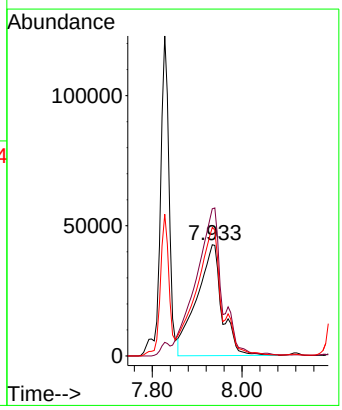


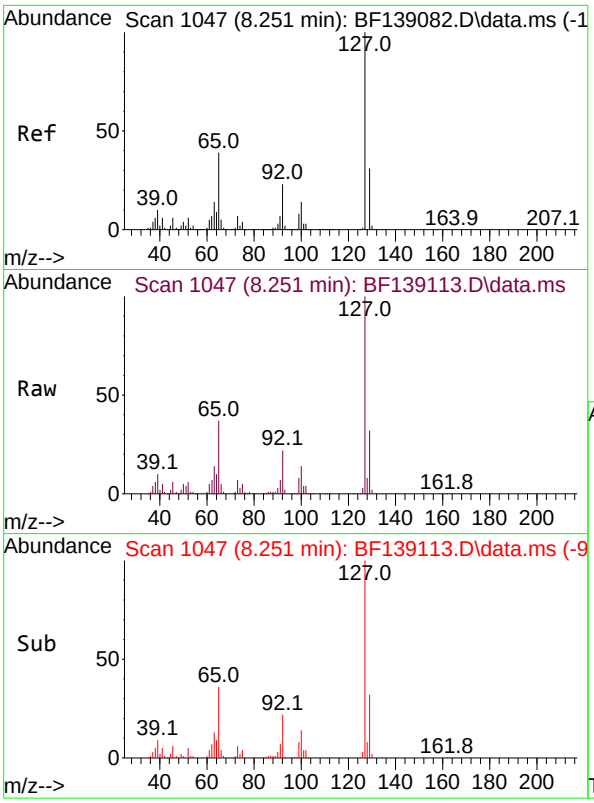


#32
Benzoic acid
Concen: 49.705 ng
RT: 7.933 min Scan# 993
Delta R.T. -0.007 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:122 Resp: 165884

Ion	Ratio	Lower	Upper
122	100		
105	132.3	119.6	159.6
77	115.4	97.6	137.6



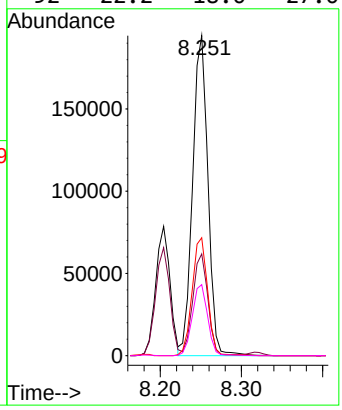


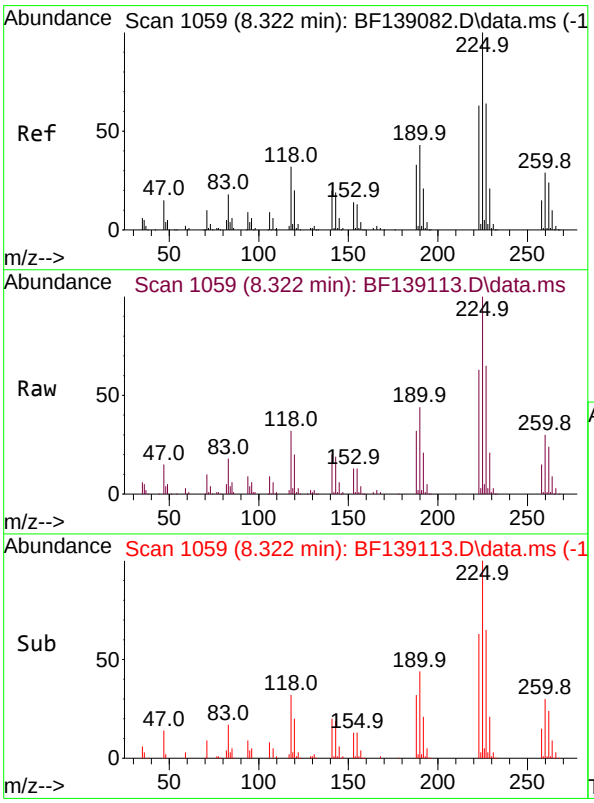
#33
4-Chloroaniline
Concen: 42.759 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 255271

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	36.9	30.3	45.5
92	22.2	18.0	27.0

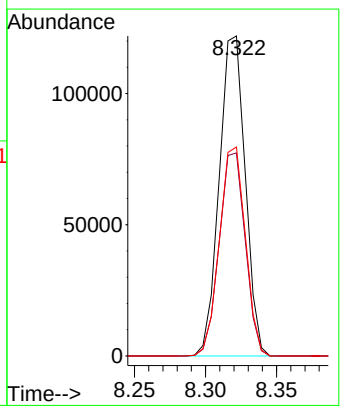


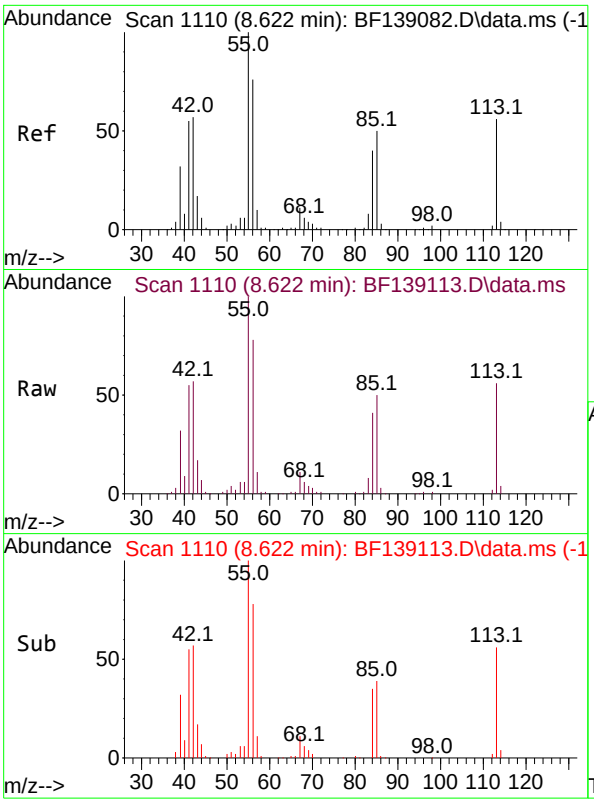


#34
Hexachlorobutadiene
Concen: 40.877 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:225 Resp: 154987

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0
227	65.3	51.4	77.2



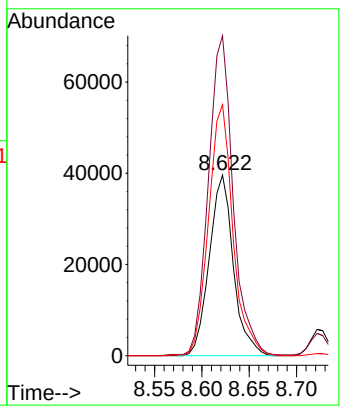


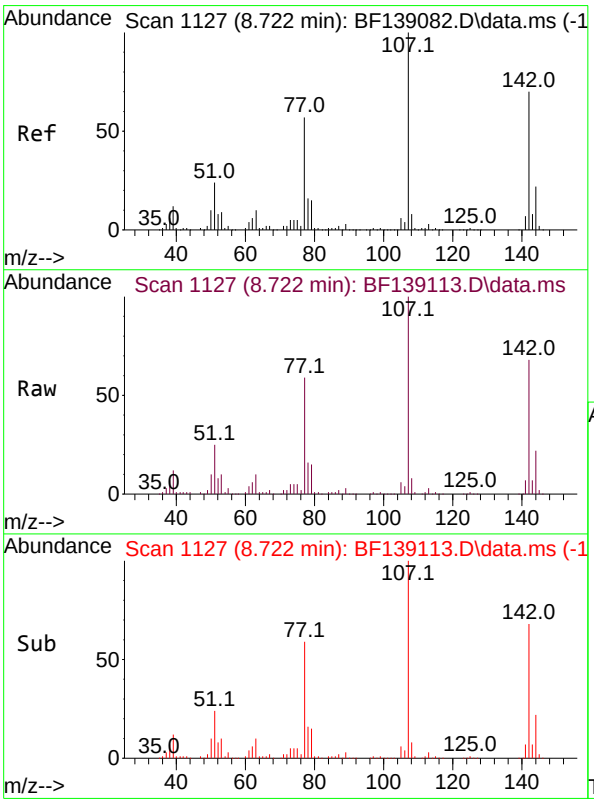
#35
Caprolactam
Concen: 44.432 ng
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 69828

Ion	Ratio	Lower	Upper
113	100		
55	177.2	158.6	198.6
56	139.0	115.9	155.9

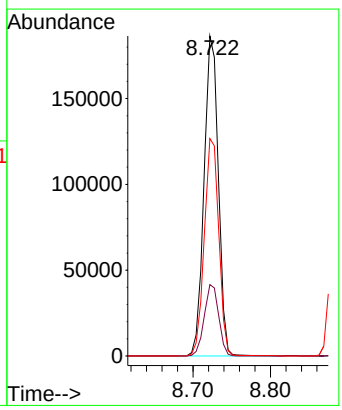


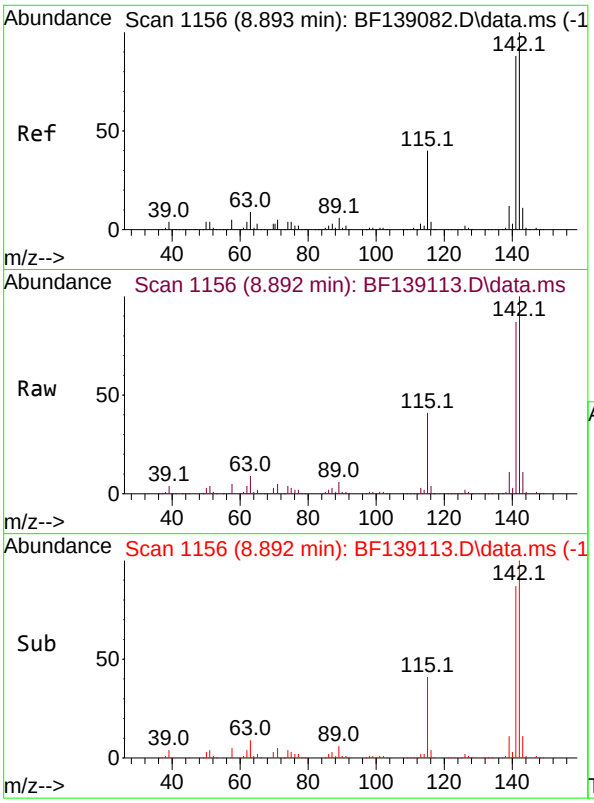


#36
4-Chloro-3-methylphenol
Concen: 43.488 ng
RT: 8.722 min Scan# 1127
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:107 Resp: 238684

Ion	Ratio	Lower	Upper
107	100		
144	22.3	17.7	26.5
142	68.0	55.6	83.4



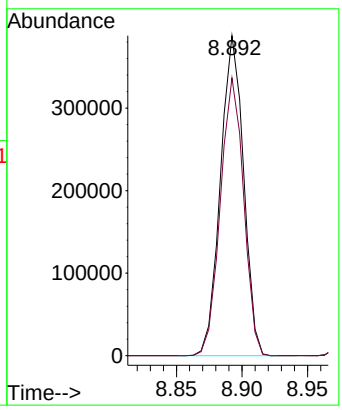


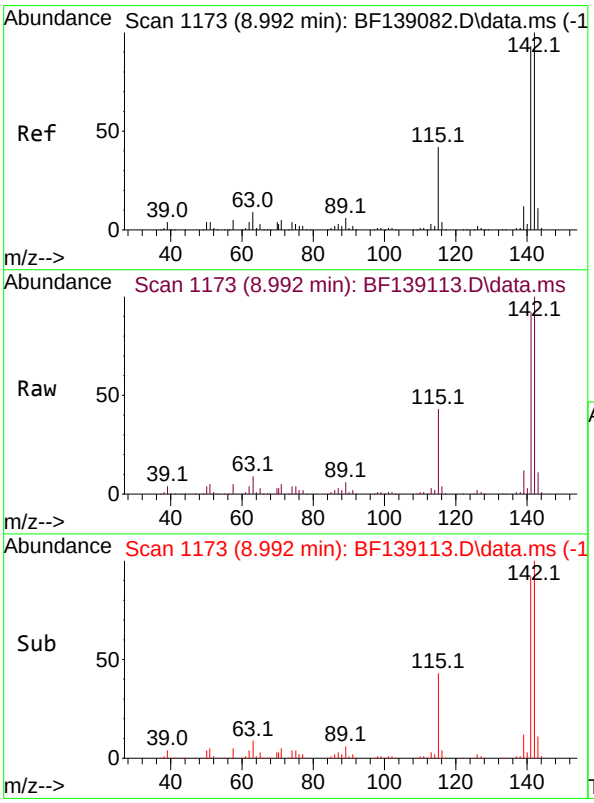
#37
2-Methylnaphthalene
Concen: 42.445 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 474576

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.6	105.8

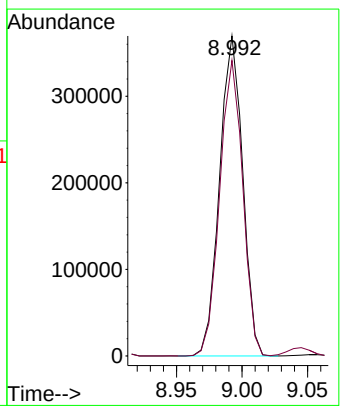


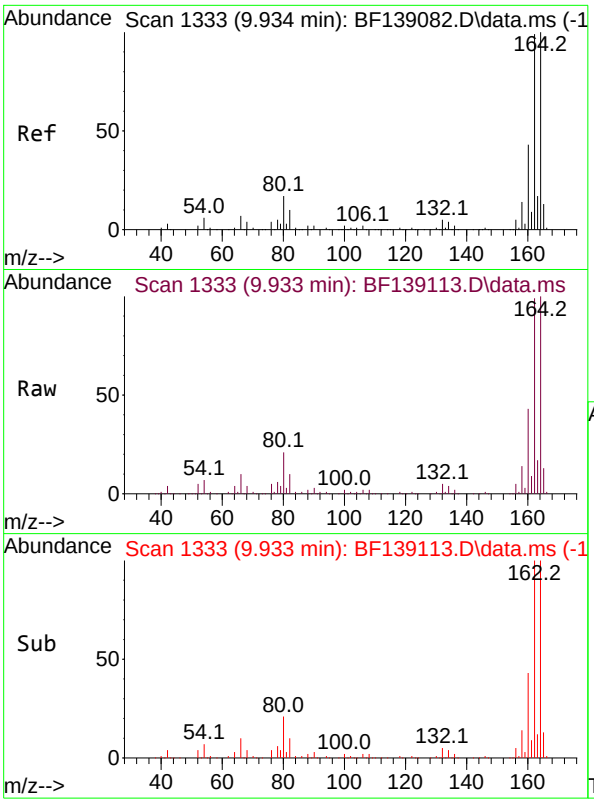


#38
1-Methylnaphthalene
Concen: 41.906 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:142 Resp: 452216

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.1	111.1



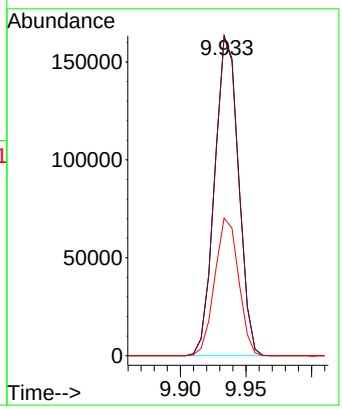


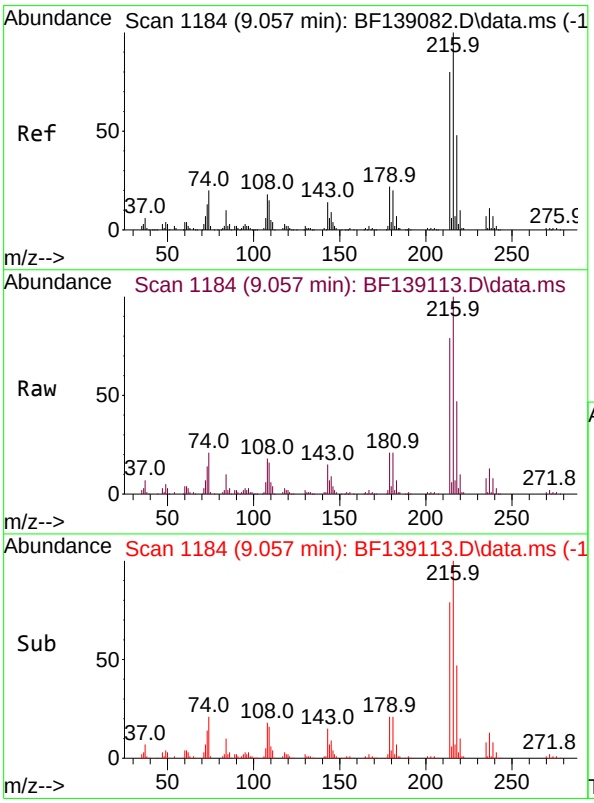
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 206423

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.3
160	43.0	34.5	51.7

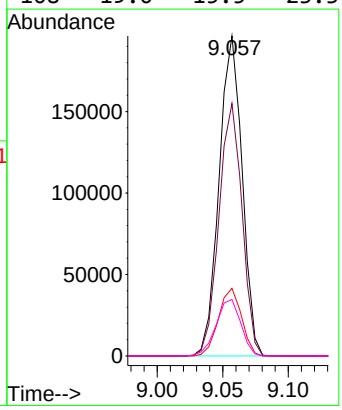


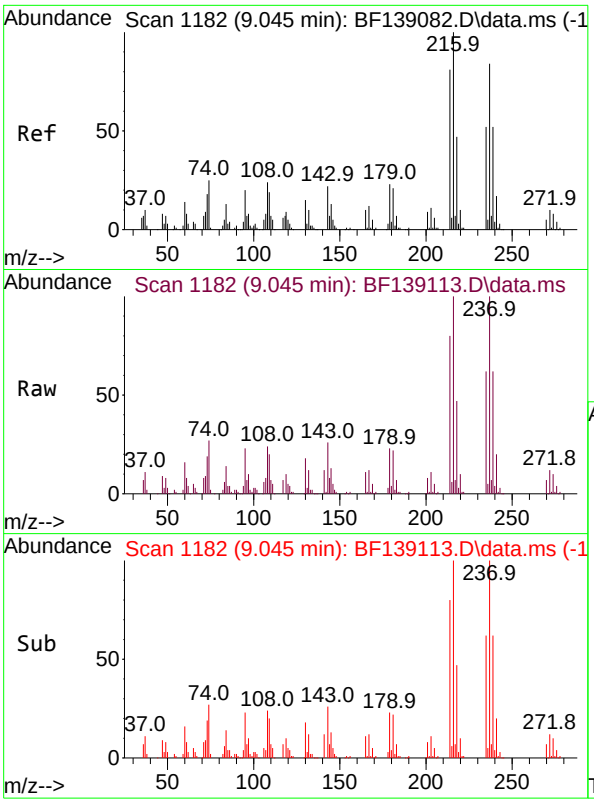


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.331 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:216 Resp: 239663

Ion	Ratio	Lower	Upper
216	100		
214	79.0	64.2	96.2
179	21.2	17.4	26.2
108	19.0	15.5	23.3



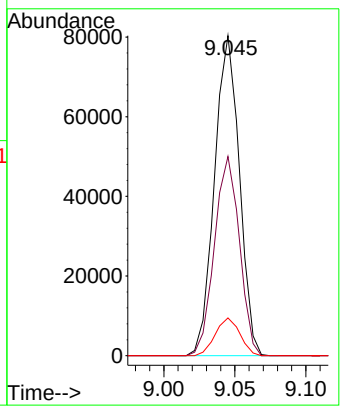


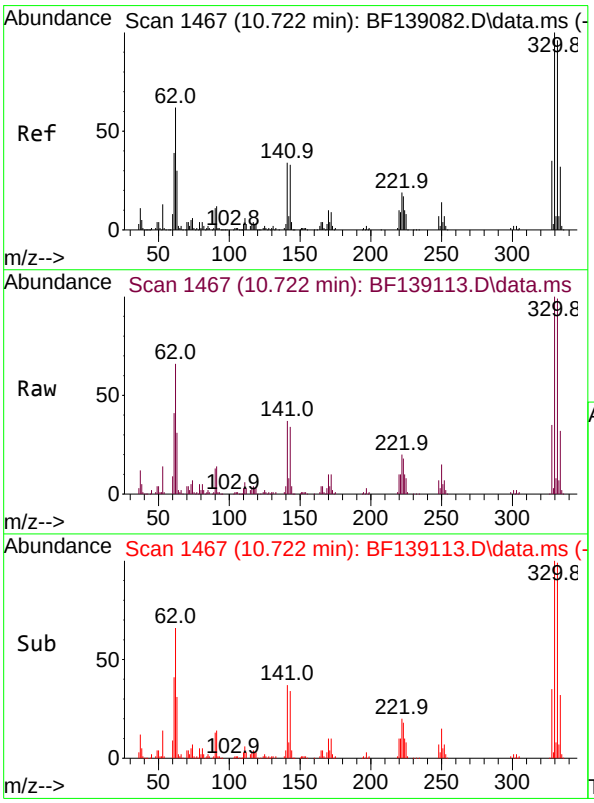
#41
Hexachlorocyclopentadiene
Concen: 45.024 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 97792

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.5	82.5
272	11.8	0.0	32.0

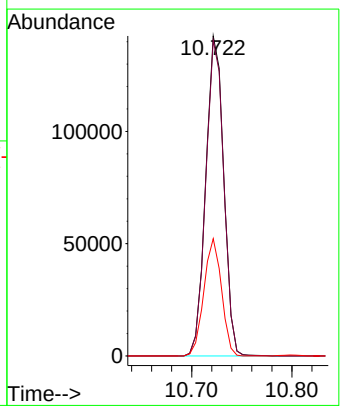


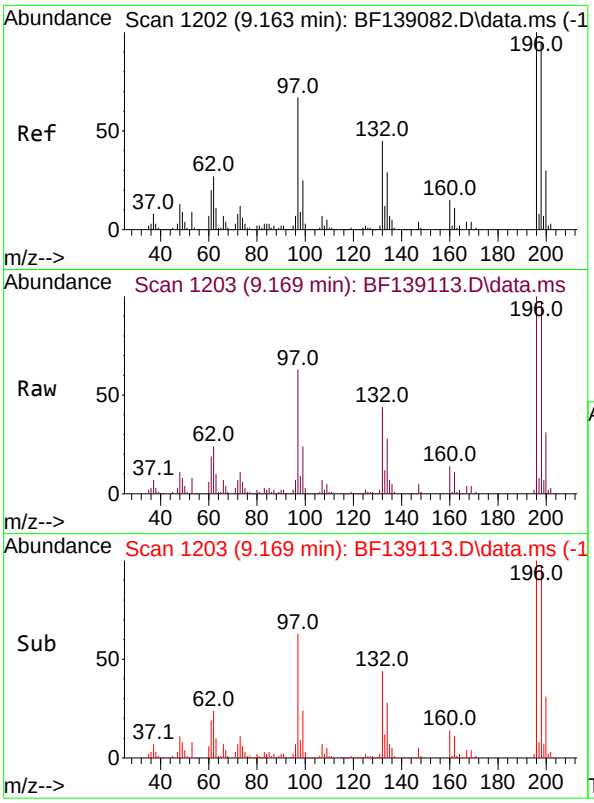


#42
2,4,6-Tribromophenol
Concen: 95.201 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:330 Resp: 177903

Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	36.0	27.5	41.3



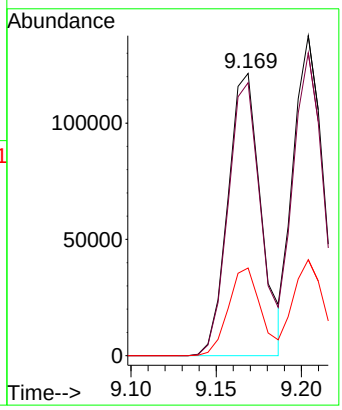


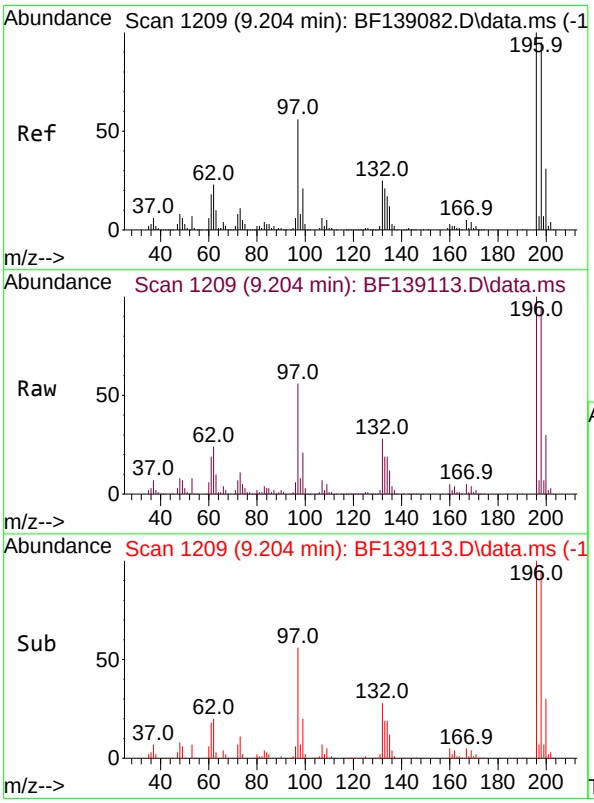
#43
2,4,6-Trichlorophenol
Concen: 43.045 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 164164

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.4	114.6
200	31.1	23.8	35.8

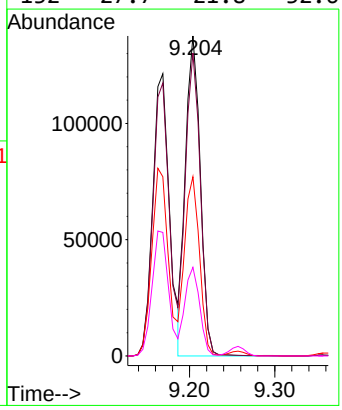


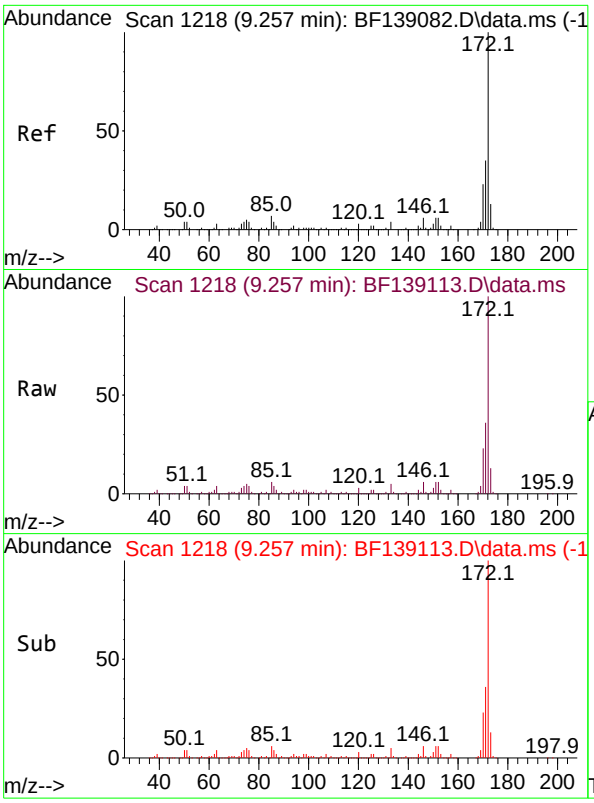


#44
2,4,5-Trichlorophenol
Concen: 42.748 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:196 Resp: 167343

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.6	114.8
97	56.0	44.6	67.0
132	27.7	21.8	32.6



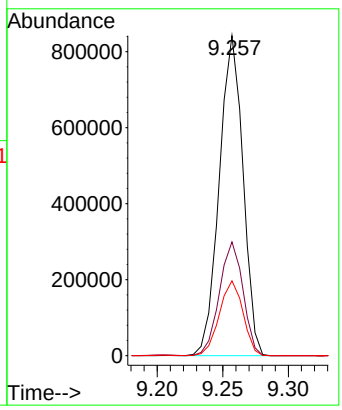


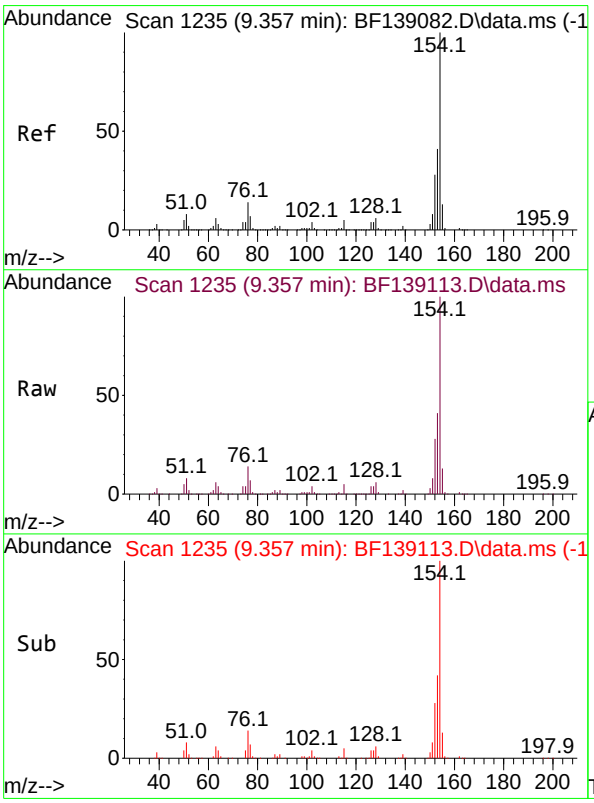
#45
2-Fluorobiphenyl
Concen: 81.324 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1058054

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.4	18.8	28.2

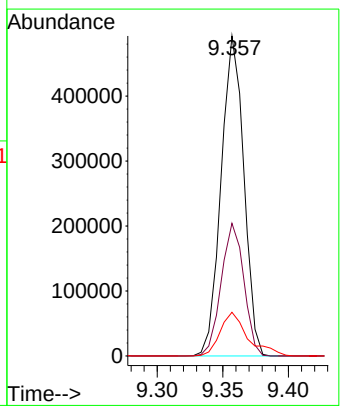


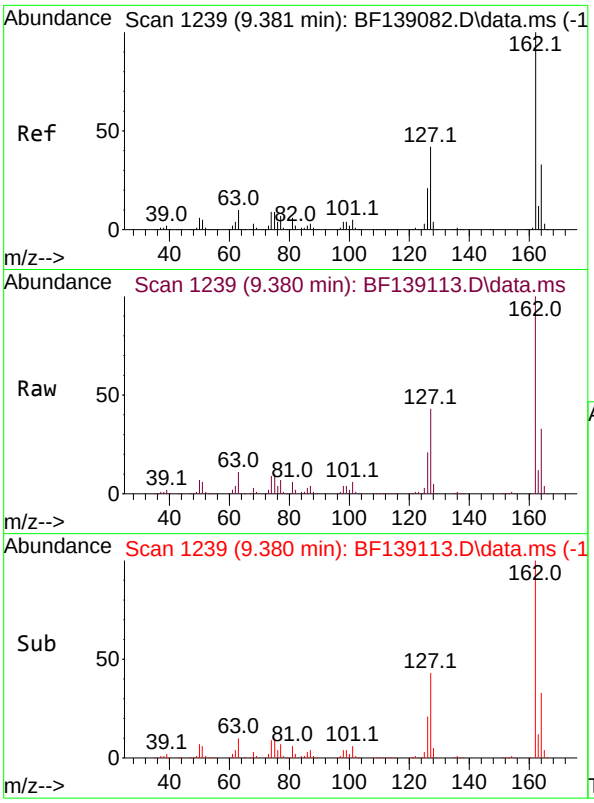


#46
1,1'-Biphenyl
Concen: 41.901 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:154 Resp: 592499

Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.6	60.6
76	13.6	0.0	33.6



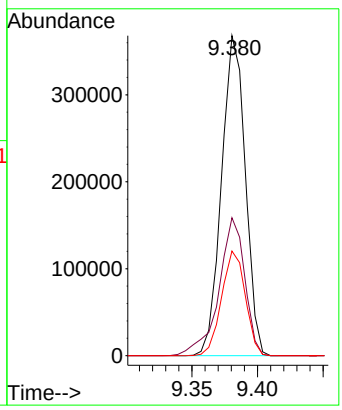


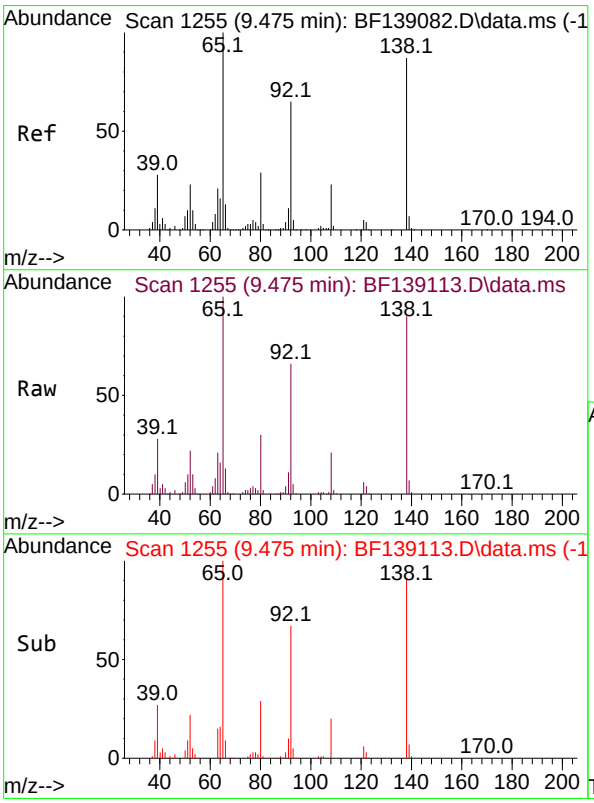
#47
2-Chloronaphthalene
Concen: 40.449 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 464740

Ion	Ratio	Lower	Upper
162	100		
127	43.1	33.8	50.6
164	32.7	26.3	39.5

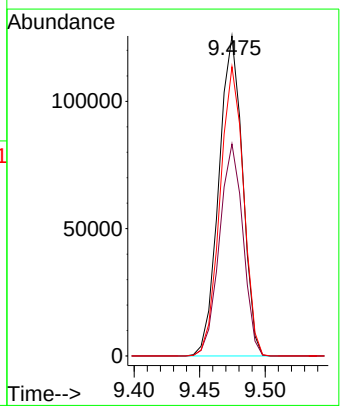


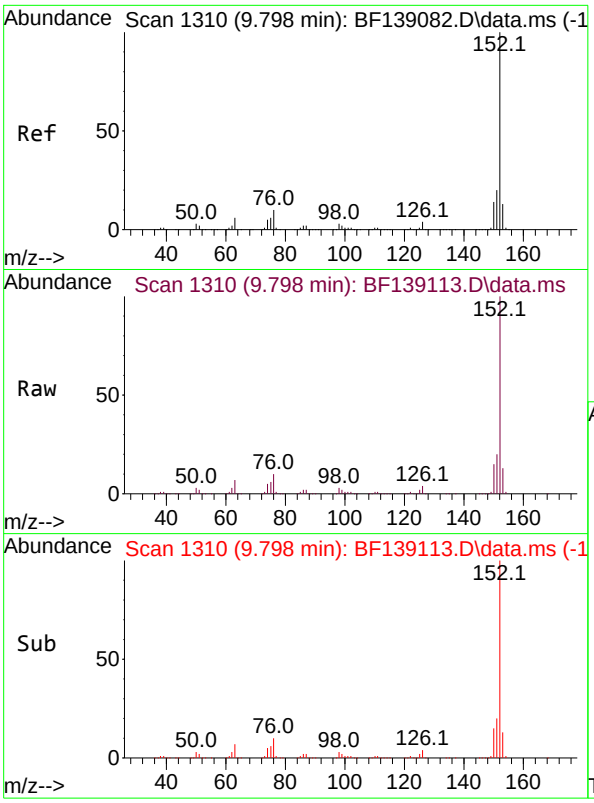


#48
2-Nitroaniline
Concen: 47.900 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion: 65 Resp: 157692

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.4	78.6
138	90.4	69.4	104.0



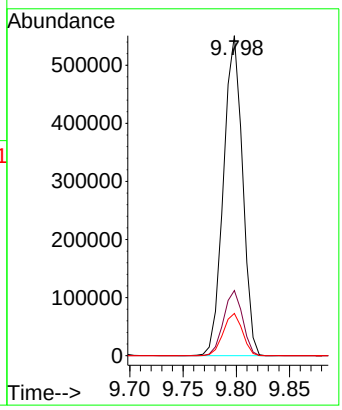


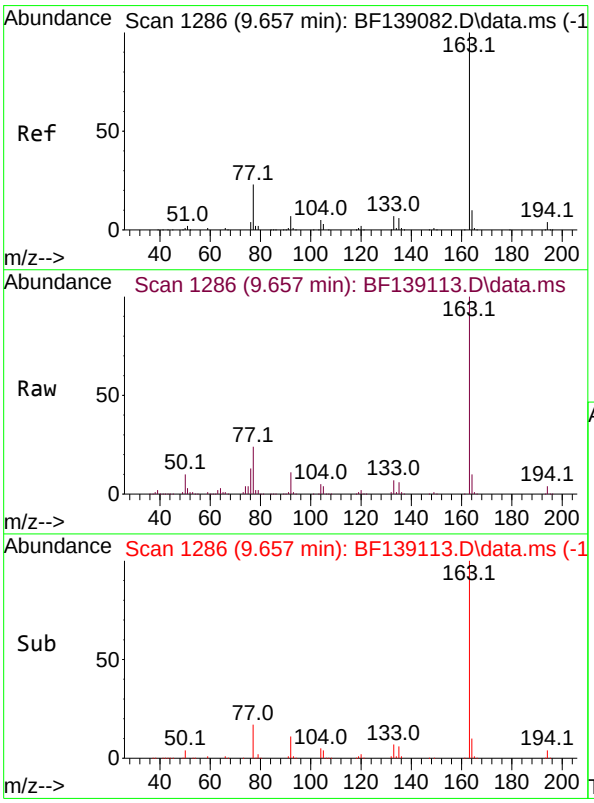
#49
Acenaphthylene
Concen: 41.671 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 685859

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.2	10.6	15.8

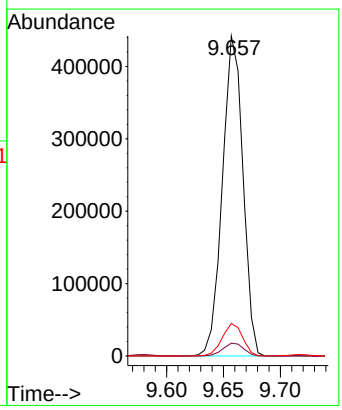


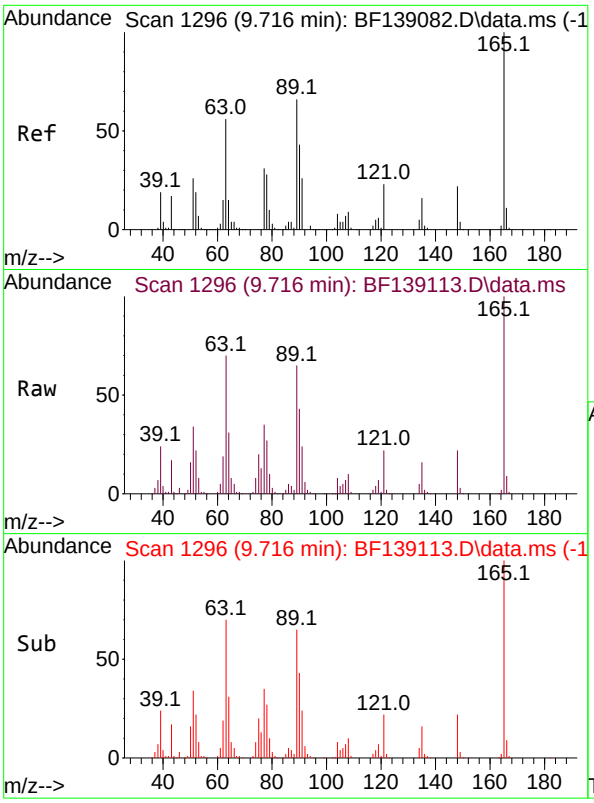


#50
Dimethylphthalate
Concen: 43.698 ng
RT: 9.657 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:163 Resp: 556884

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.2



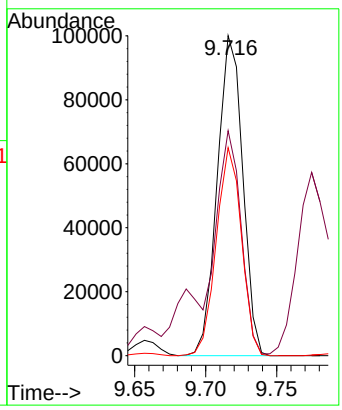


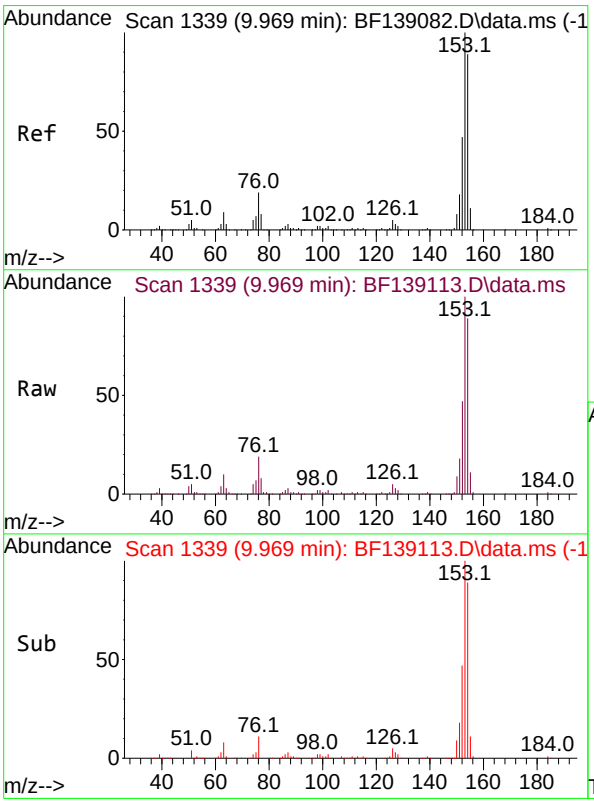
#51
2,6-Dinitrotoluene
Concen: 48.715 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 124713

Ion	Ratio	Lower	Upper
165	100		
63	70.3	58.0	87.0
89	65.0	53.3	79.9

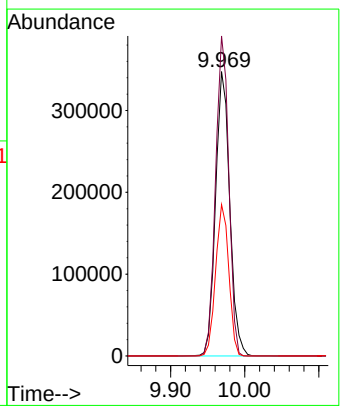


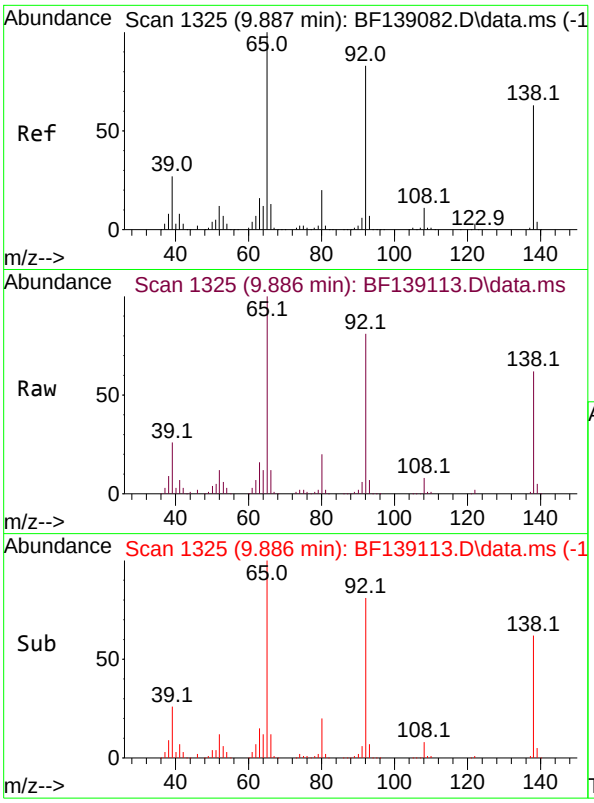


#52
Acenaphthene
Concen: 42.546 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:154 Resp: 462561

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.7	134.5
152	53.2	42.3	63.5



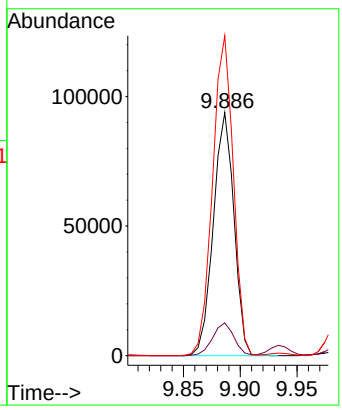


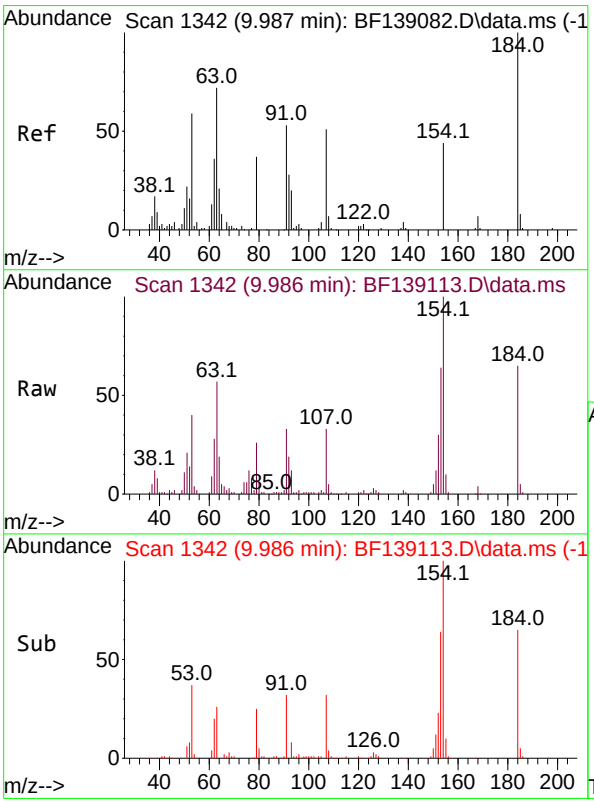
#53
3-Nitroaniline
Concen: 46.014 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 118521

Ion	Ratio	Lower	Upper
138	100		
108	13.5	14.6	21.8#
92	131.7	105.9	158.9

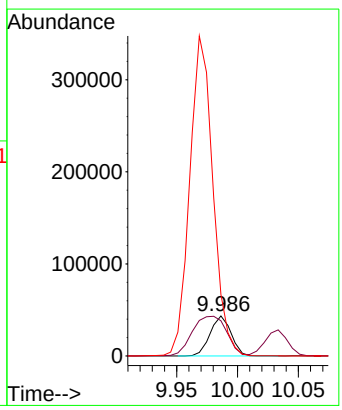


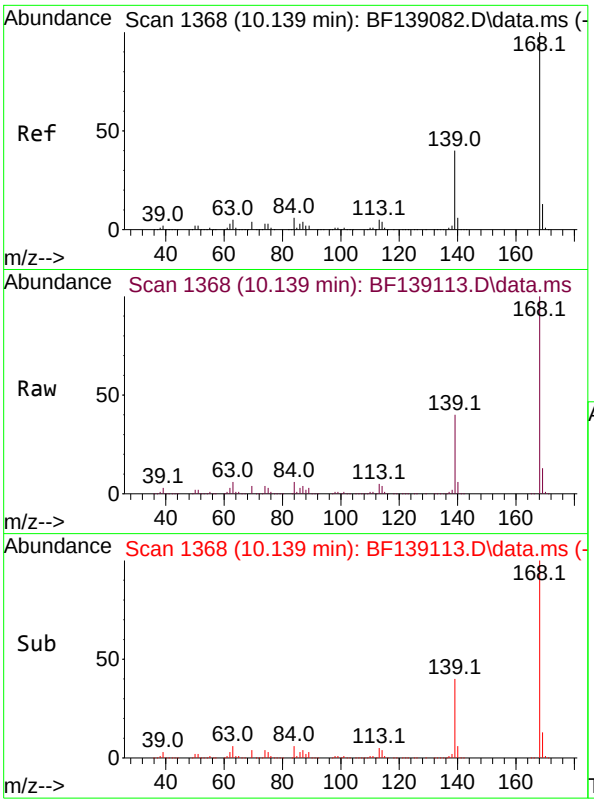


#54
2,4-Dinitrophenol
Concen: 56.704 ng
RT: 9.986 min Scan# 1342
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:184 Resp: 52107

Ion	Ratio	Lower	Upper
184	100		
63	87.9	70.5	105.7
154	153.4	135.0	202.6



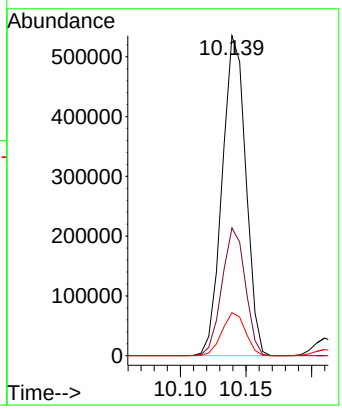


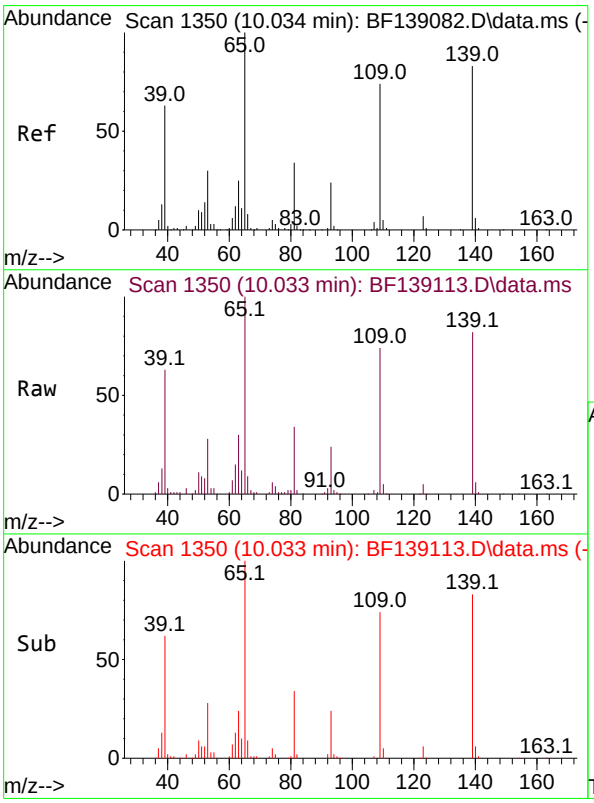
#55
Dibenzofuran
Concen: 42.445 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 670273

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.6	47.4
169	13.4	10.7	16.1

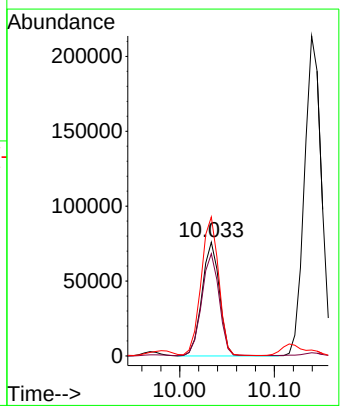


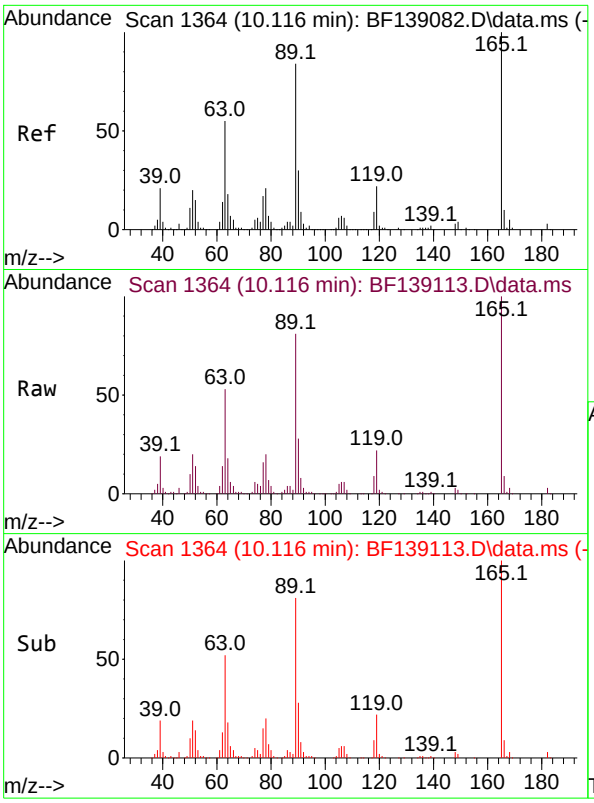


#56
4-Nitrophenol
Concen: 50.759 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:139 Resp: 97778

Ion	Ratio	Lower	Upper
139	100		
109	90.0	68.8	108.8
65	122.3	101.3	141.3



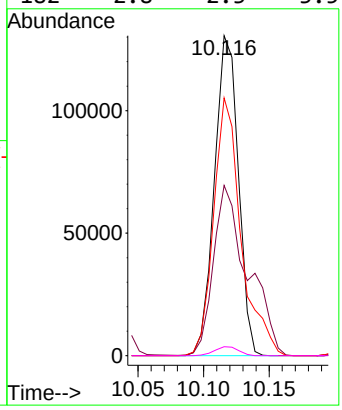


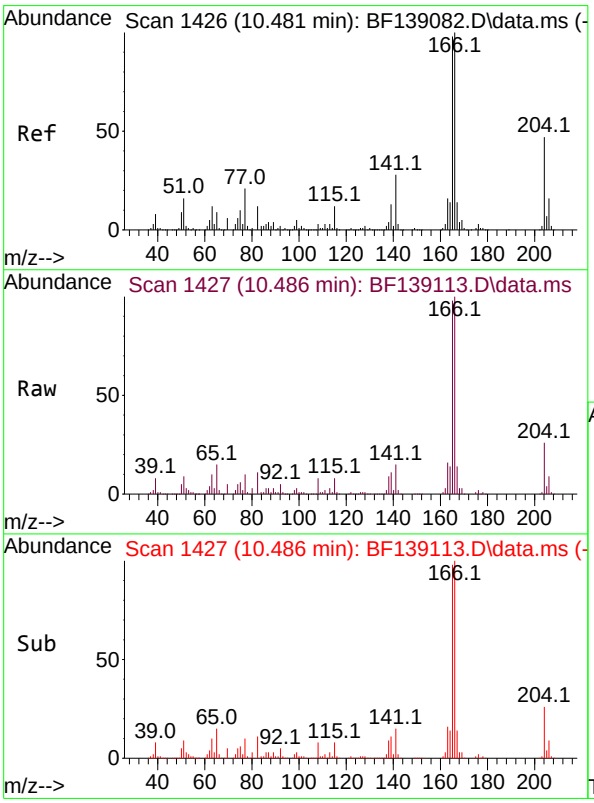
#57
2,4-Dinitrotoluene
Concen: 51.187 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 165368

Ion	Ratio	Lower	Upper
165	100		
63	53.2	44.2	66.4
89	80.5	67.4	101.2
182	2.8	2.3	3.5

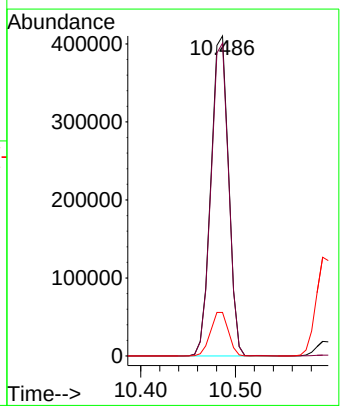


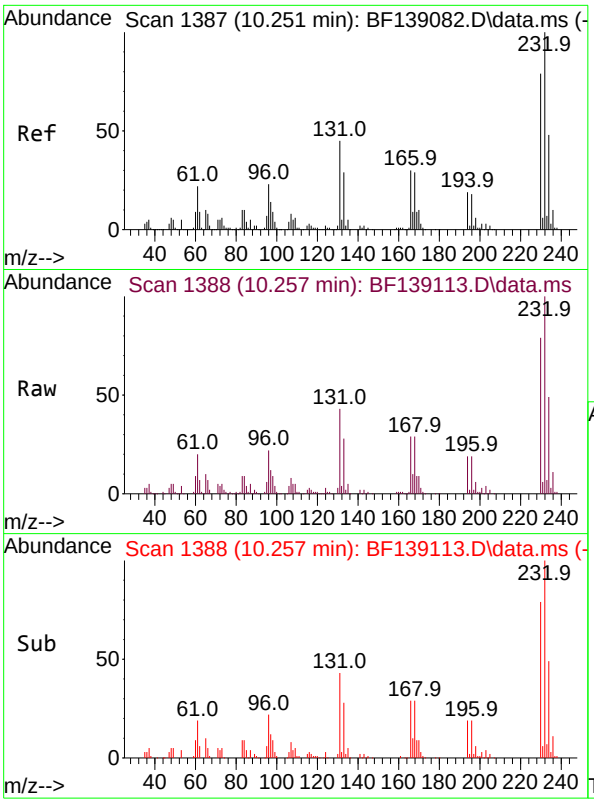


#58
Fluorene
Concen: 42.012 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:166 Resp: 530192

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.0	117.0
167	13.6	11.0	16.4



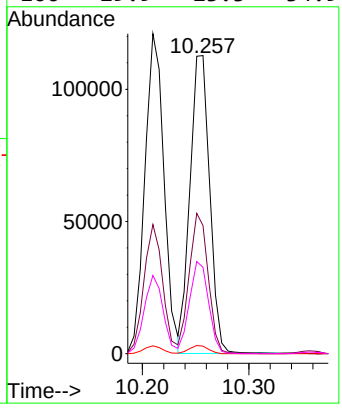


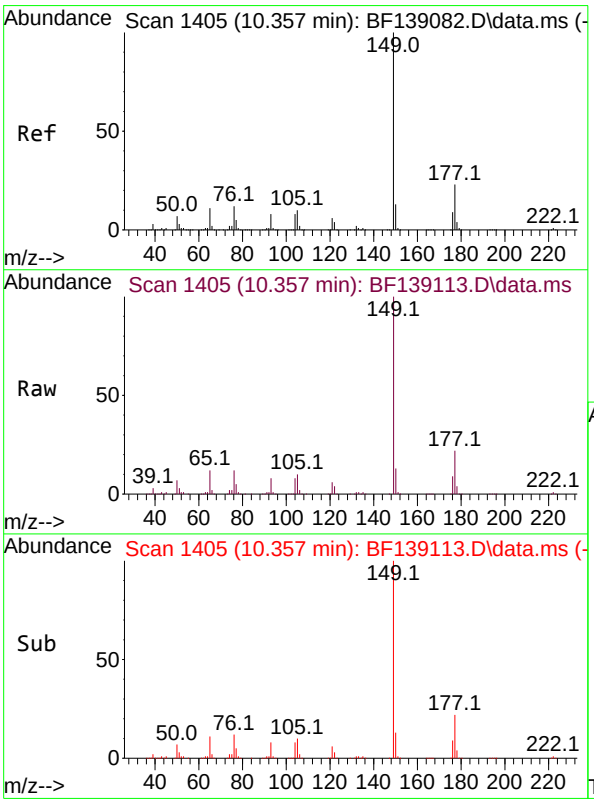
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.105 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 144914

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.0	54.0
130	2.6	2.0	3.0
166	29.9	23.3	34.9

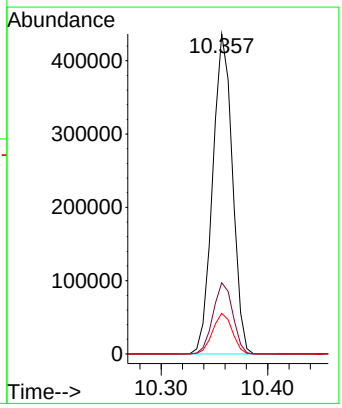


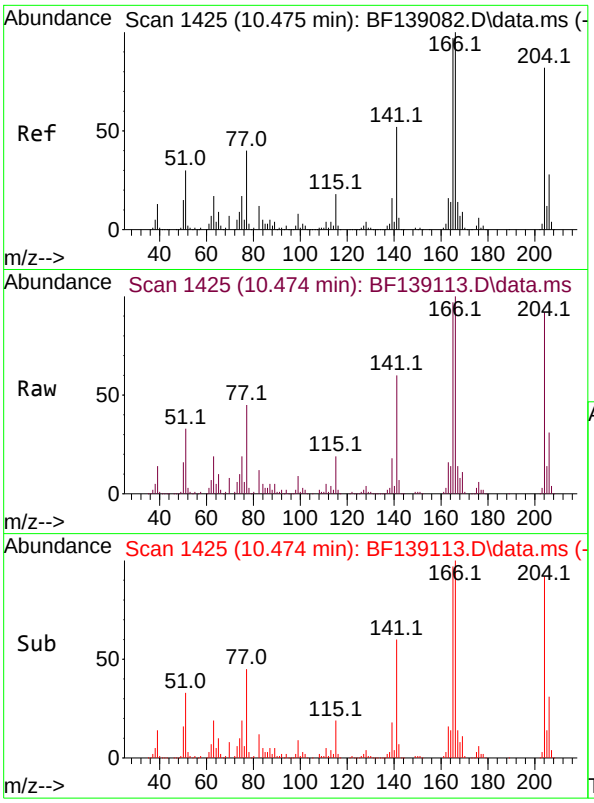


#60
Diethylphthalate
Concen: 44.395 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 560571

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.4	27.6
150	12.7	10.2	15.2



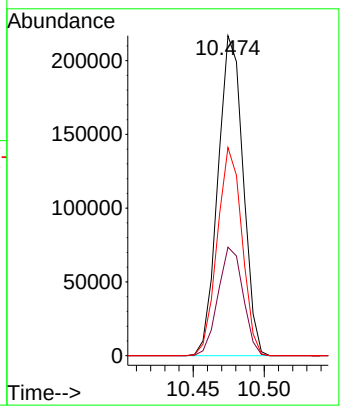


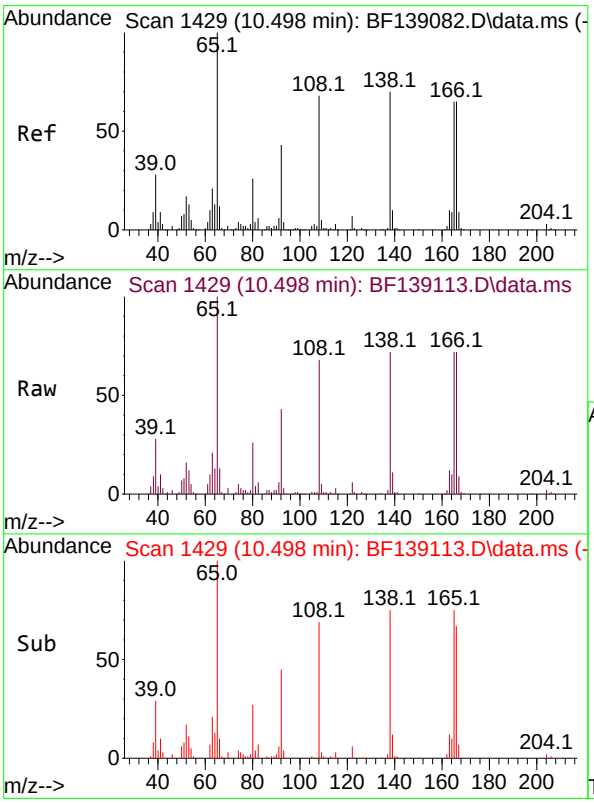
#61
4-Chlorophenyl-phenylether
Concen: 42.308 ng
RT: 10.474 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 266663

Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.0	40.4
141	65.0	50.9	76.3

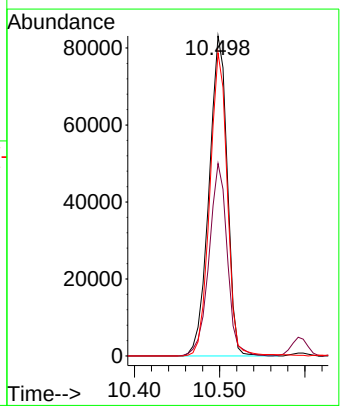


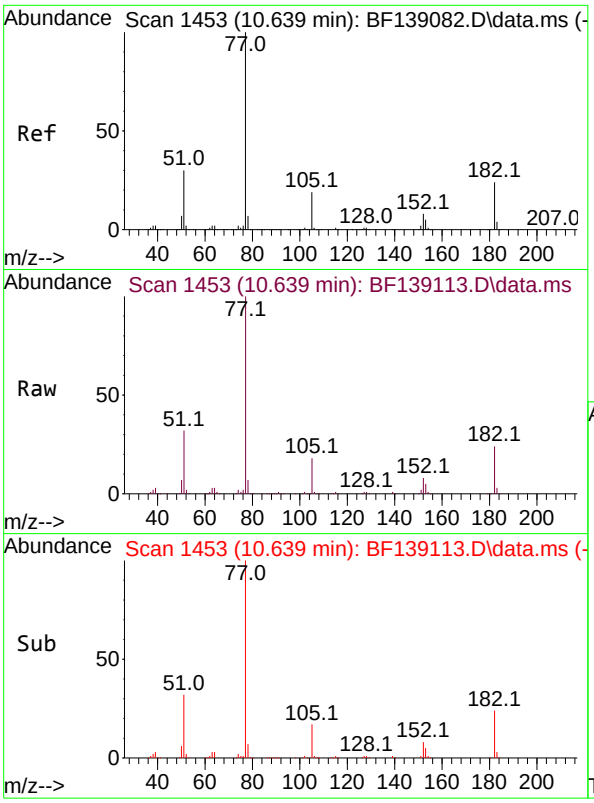


#62
4-Nitroaniline
Concen: 47.251 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:138 Resp: 123431

Ion	Ratio	Lower	Upper
138	100		
92	60.1	41.4	81.4
108	94.7	76.8	116.8



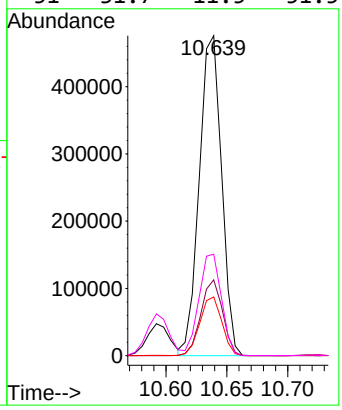


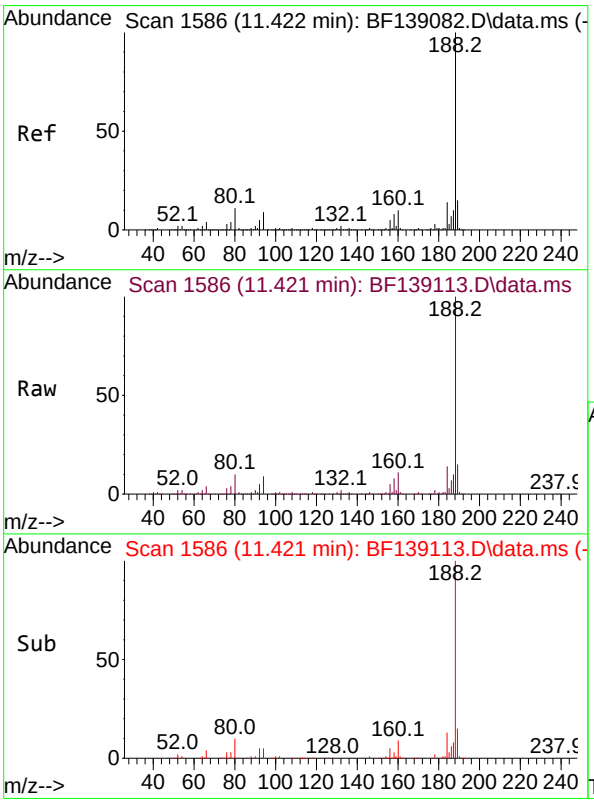
#63
Azobenzene
Concen: 43.180 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 605902

Ion	Ratio	Lower	Upper
77	100		
182	23.7	4.0	44.0
105	18.3	0.0	39.1
51	31.7	11.5	51.5

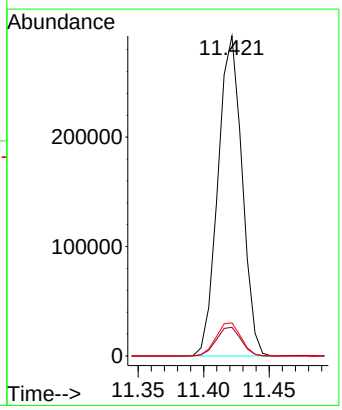


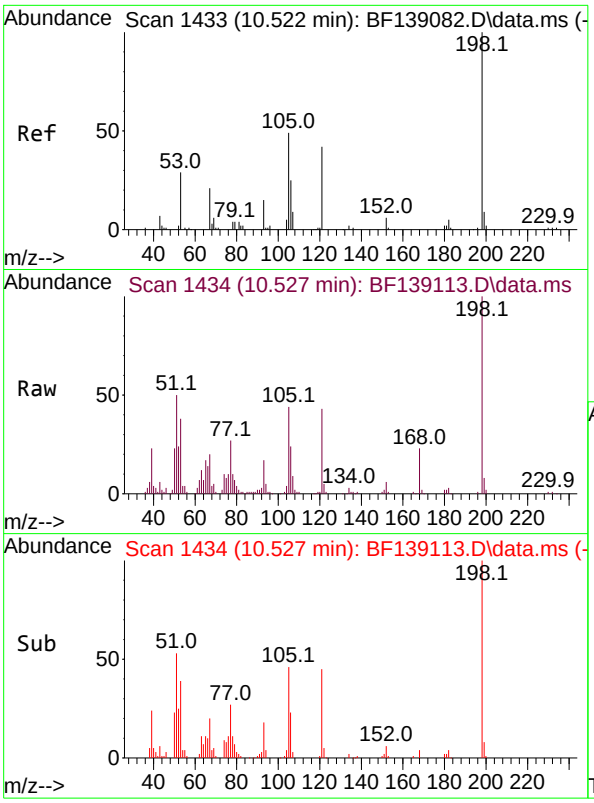


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:188 Resp: 374434

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.4	8.5	12.7



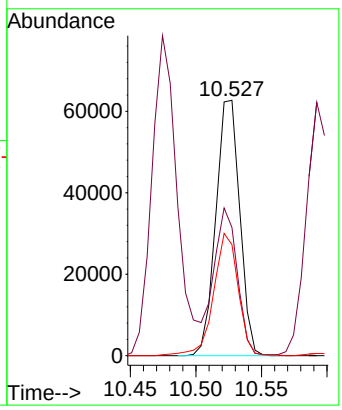


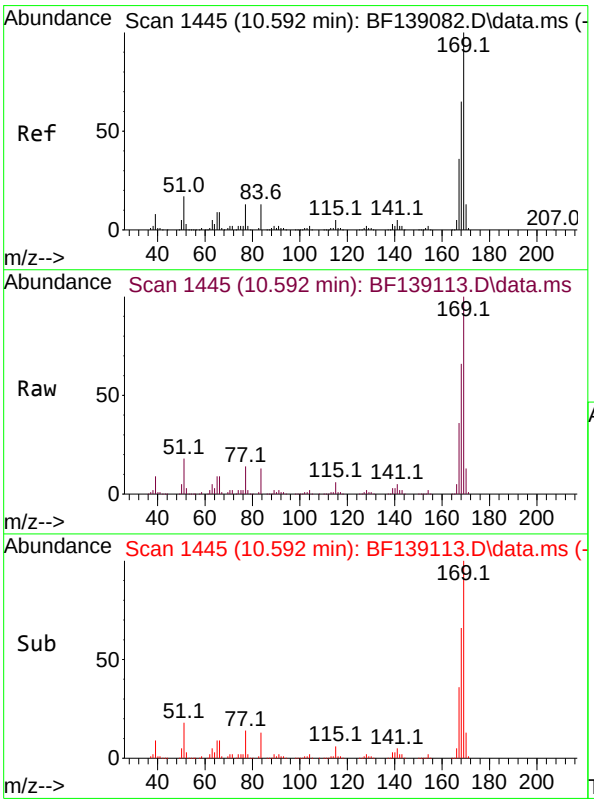
#65
4,6-Dinitro-2-methylphenol
Concen: 55.789 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 79475

Ion	Ratio	Lower	Upper
198	100		
51	50.2	40.8	80.8
105	43.5	30.9	70.9

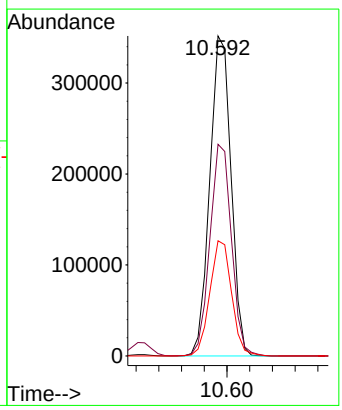


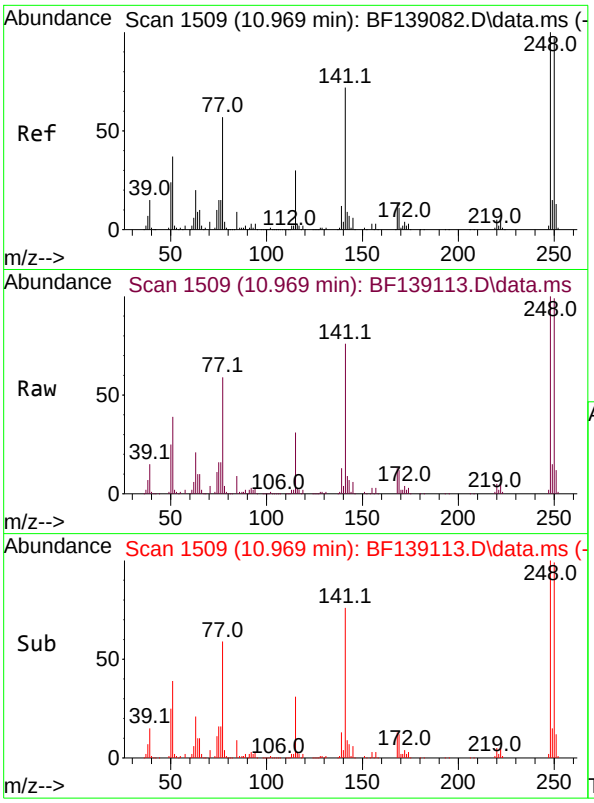


#66
n-Nitrosodiphenylamine
Concen: 41.204 ng
RT: 10.592 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:169 Resp: 456509

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.4	78.6
167	36.0	28.6	43.0



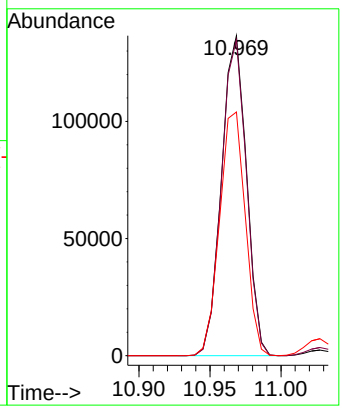


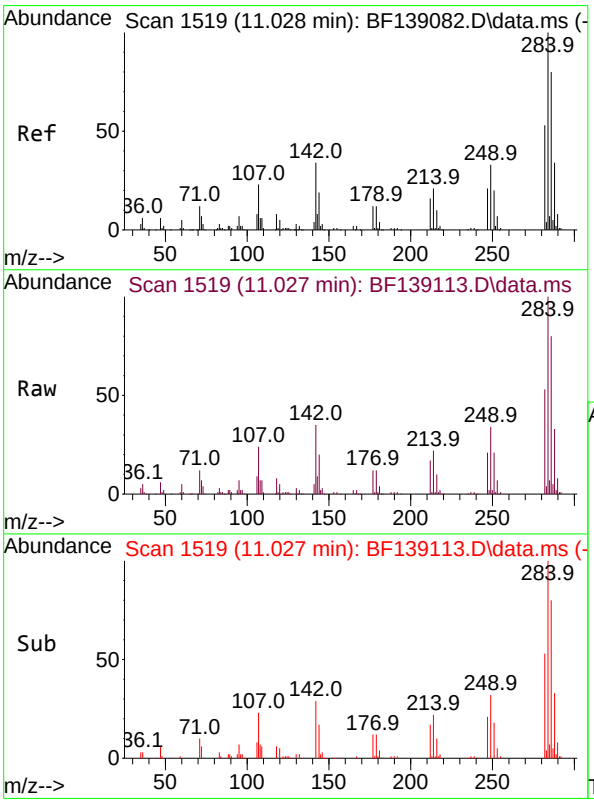
#67
4-Bromophenyl-phenylether
Concen: 42.217 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 167500

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.8	116.8
141	76.2	57.9	86.9

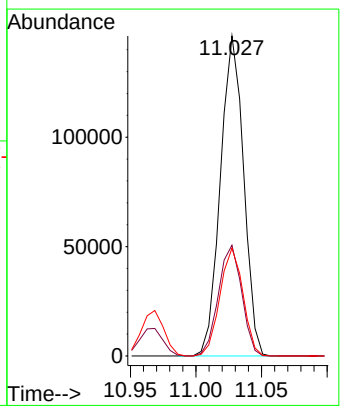


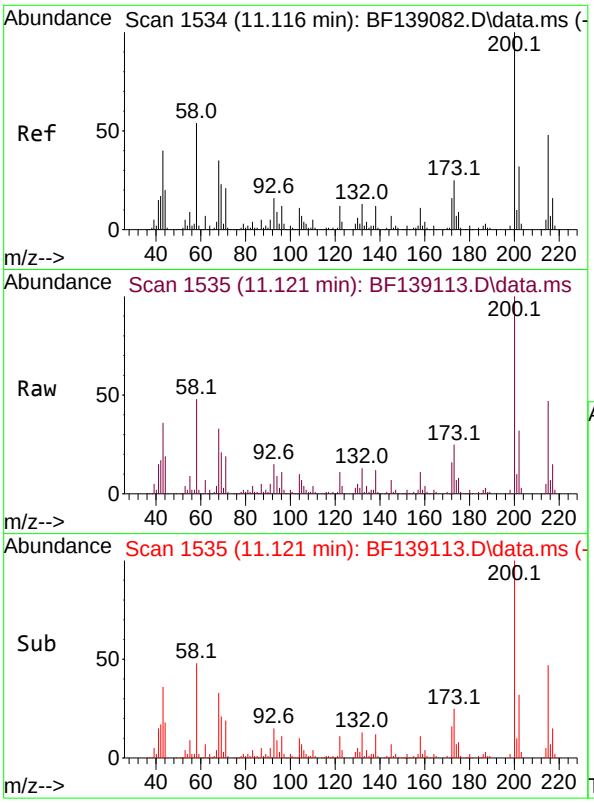


#68
Hexachlorobenzene
Concen: 42.310 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:284 Resp: 180097

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.1	40.7
249	33.6	26.8	40.2



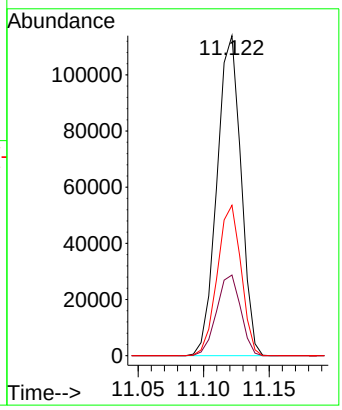


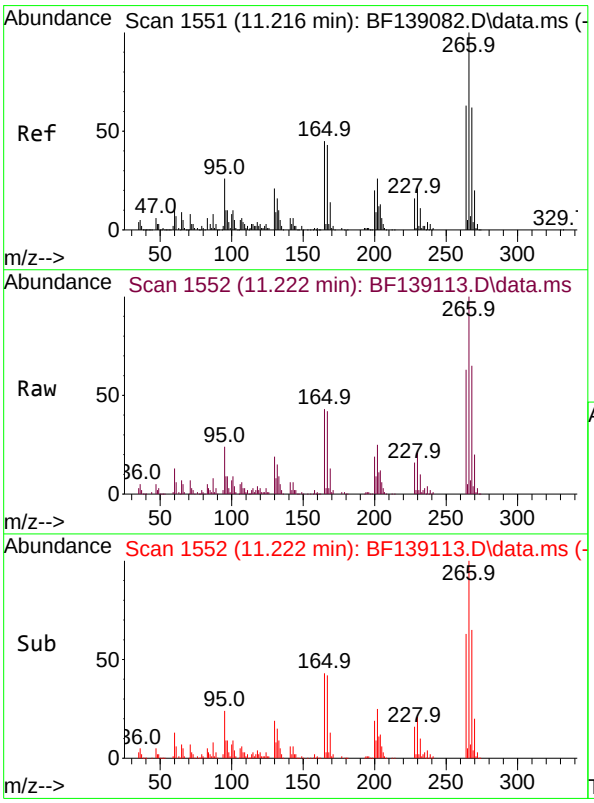
#69
Atrazine
Concen: 42.845 ng
RT: 11.121 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 144972

Ion	Ratio	Lower	Upper
200	100		
173	25.2	5.2	45.2
215	47.0	27.9	67.9

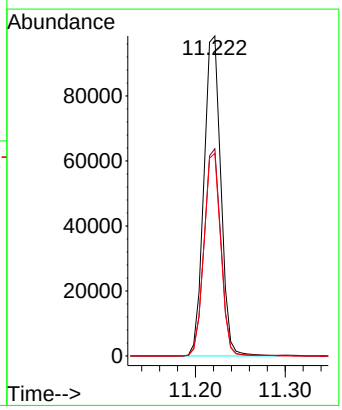


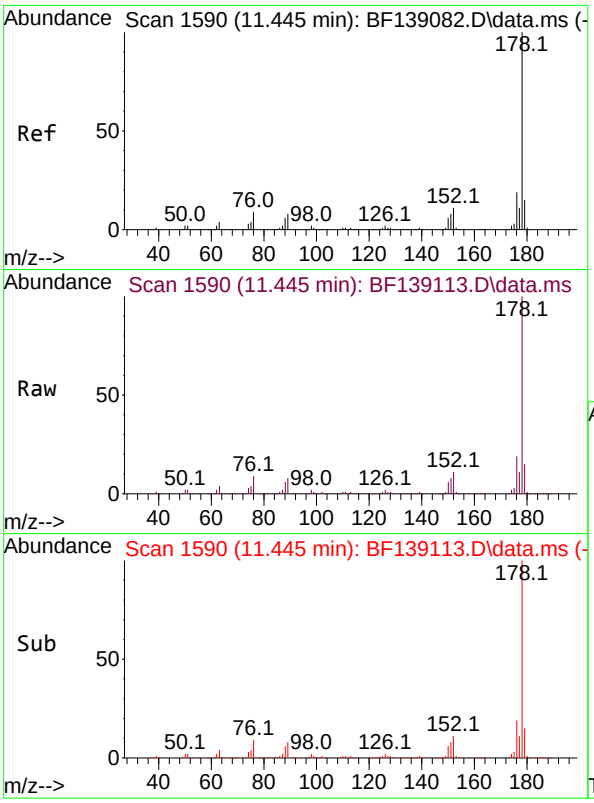


#70
Pentachlorophenol
Concen: 47.403 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:266 Resp: 128891

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.5	74.3
264	63.3	50.0	75.0



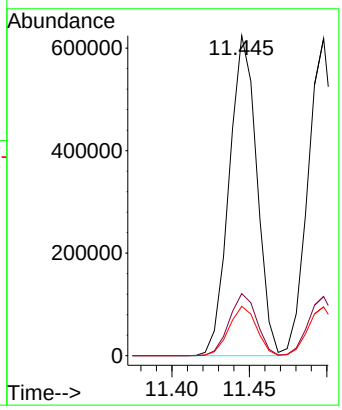


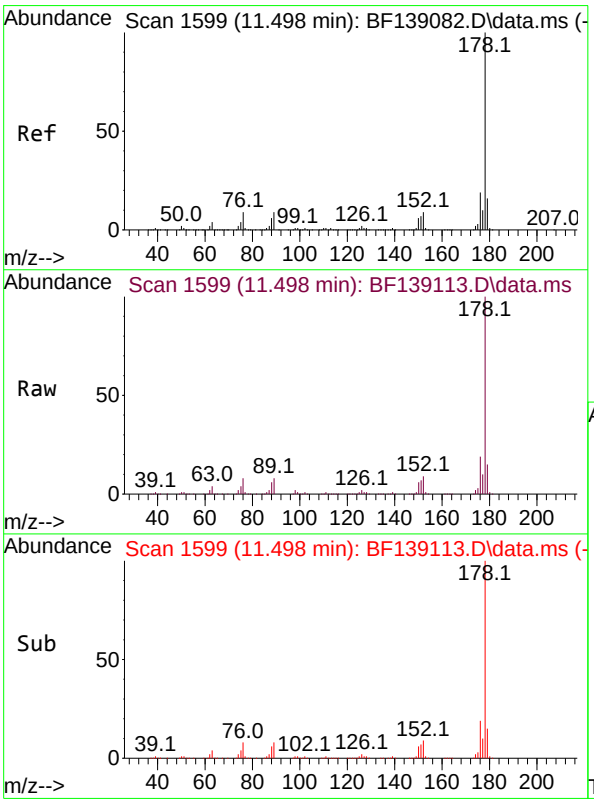
#71
Phenanthrene
Concen: 40.630 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 773264

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.4	12.3	18.5

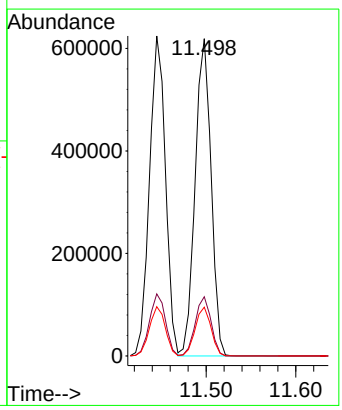


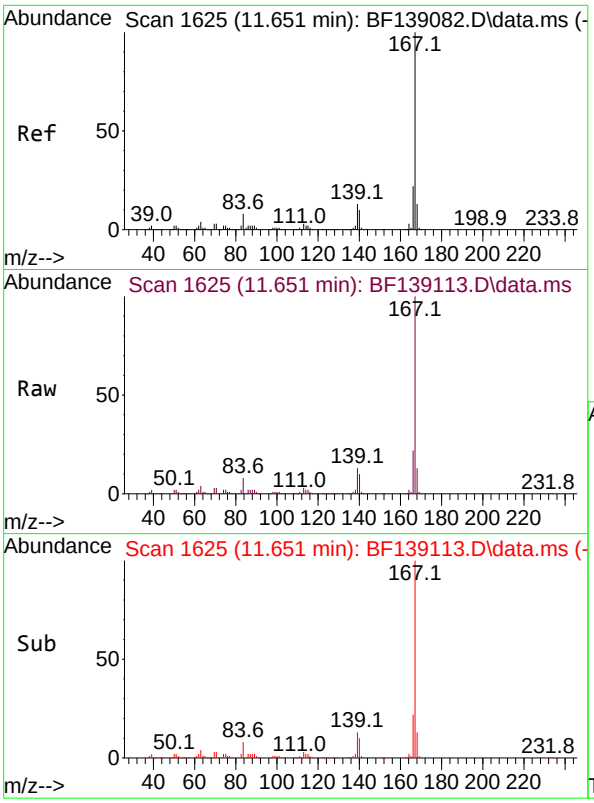


#72
Anthracene
Concen: 41.029 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:178 Resp: 763654

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.4	18.6



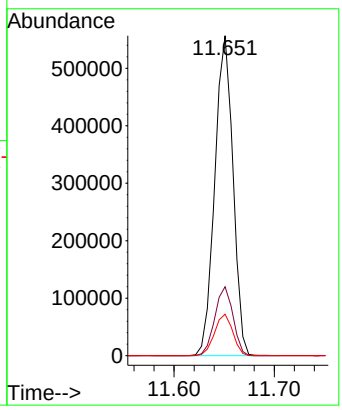


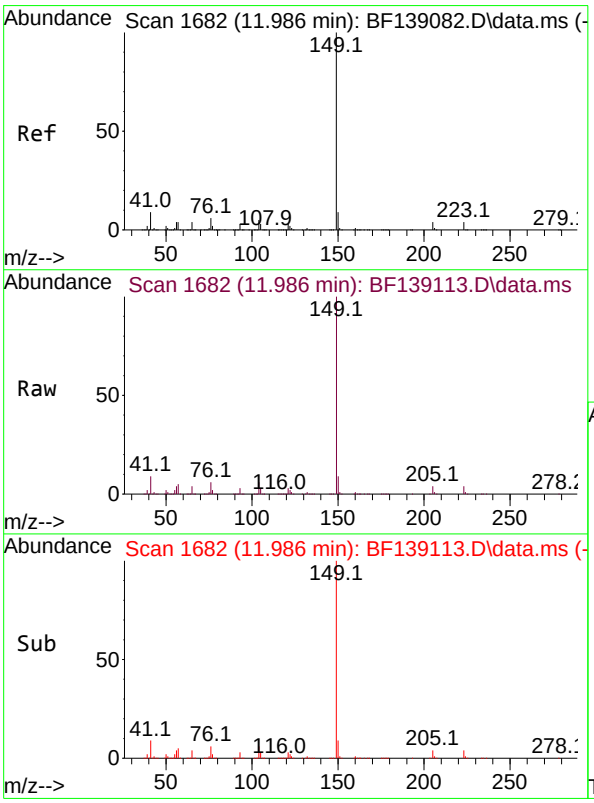
#73
Carbazole
Concen: 40.313 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 700649

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.0	10.5	15.7

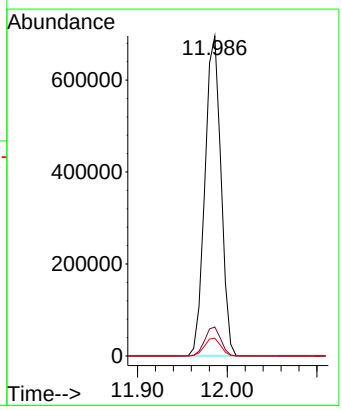


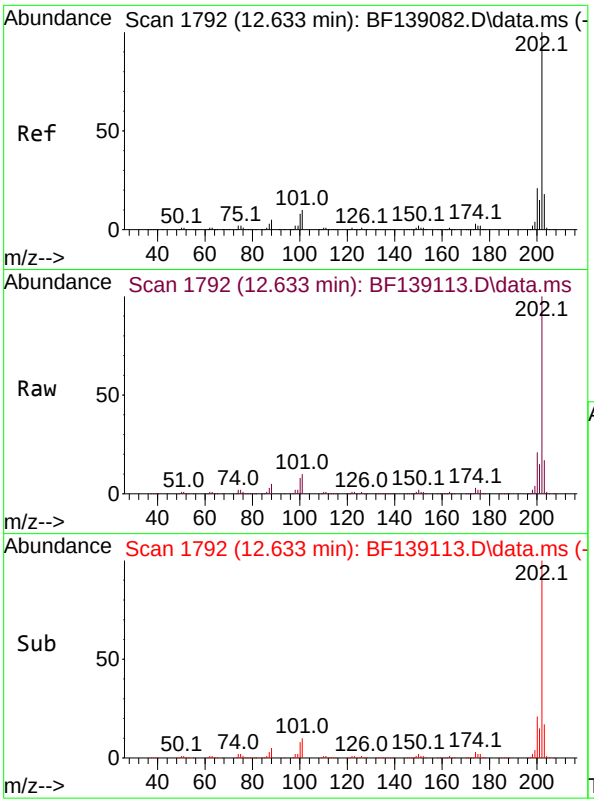


#74
Di-n-butylphthalate
Concen: 42.761 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 861743

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.6	4.3	6.5



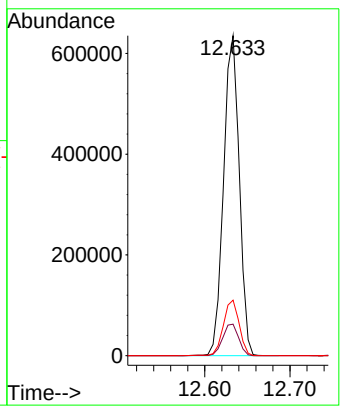


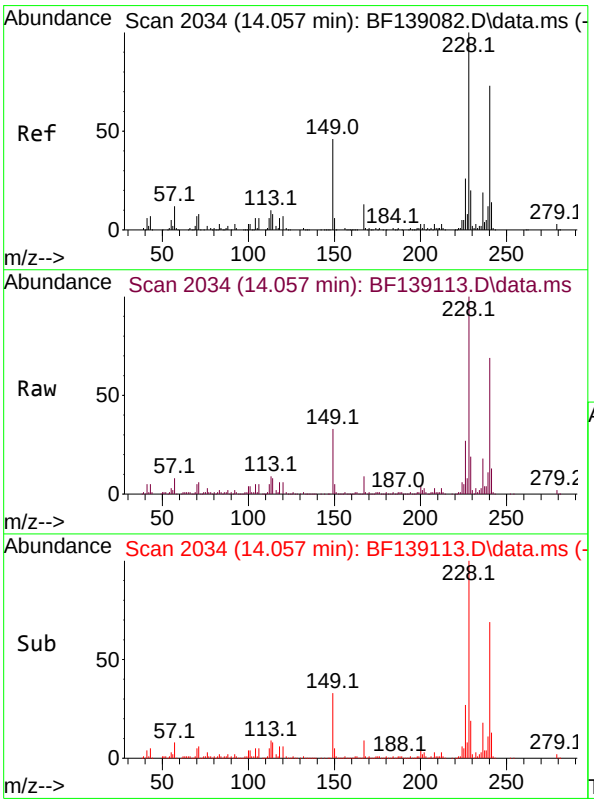
#75
Fluoranthene
Concen: 40.009 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 812716

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	17.3	0.0	37.6

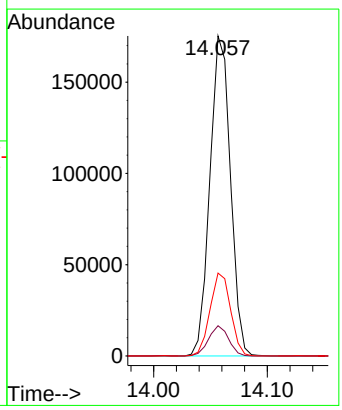


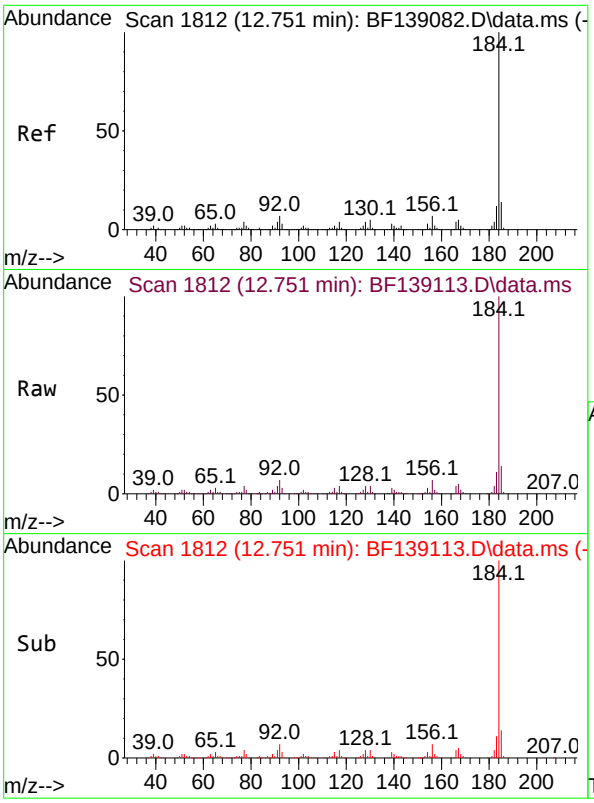


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:240 Resp: 220430

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	25.9	20.9	31.3



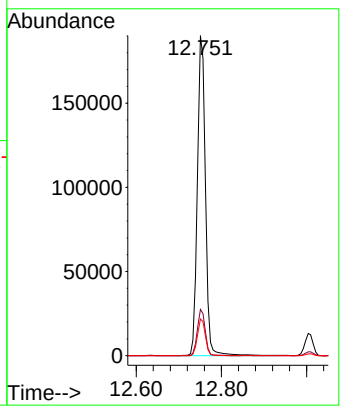


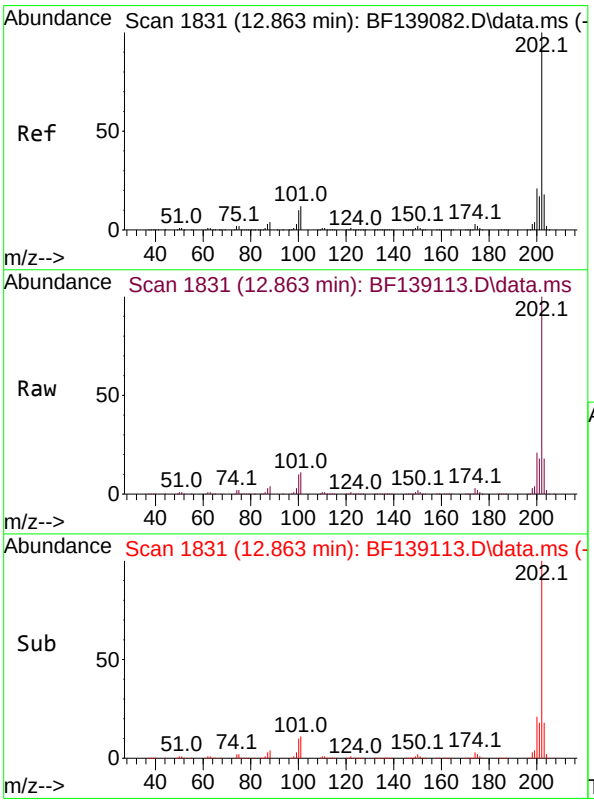
#77
Benzidine
Concen: 54.783 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 249442

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.4	9.8	14.6

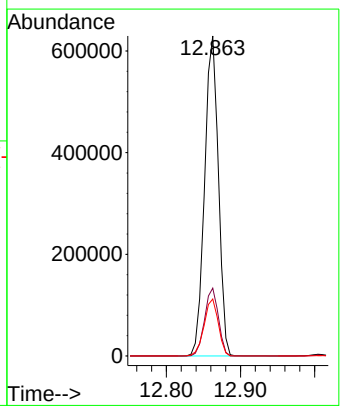


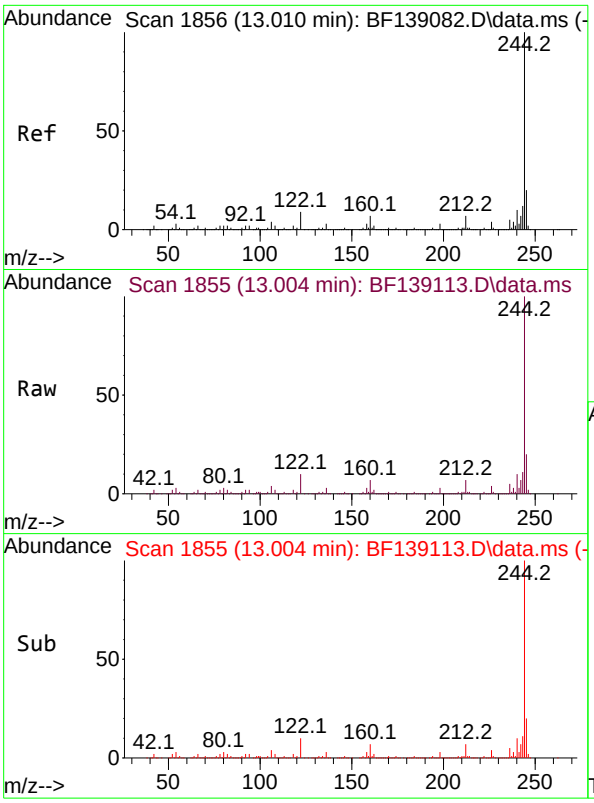


#78
Pyrene
Concen: 44.155 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:202 Resp: 812250

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.8	14.1	21.1



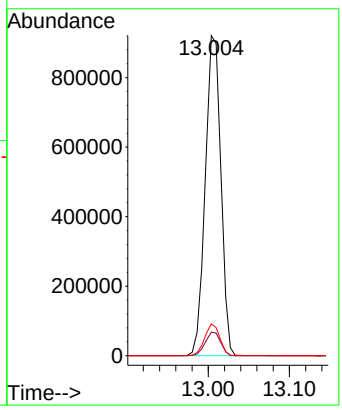


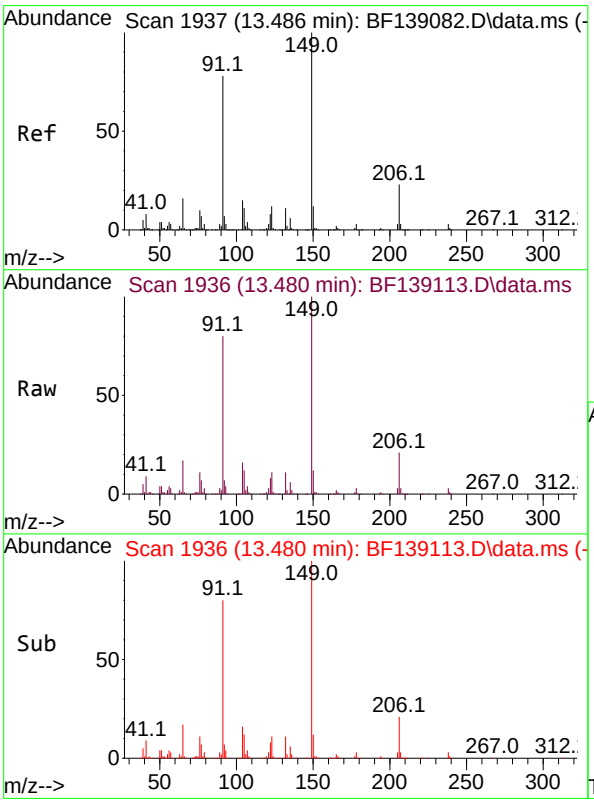
#79
Terphenyl-d14
Concen: 92.249 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1225485

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.9	7.6	11.4

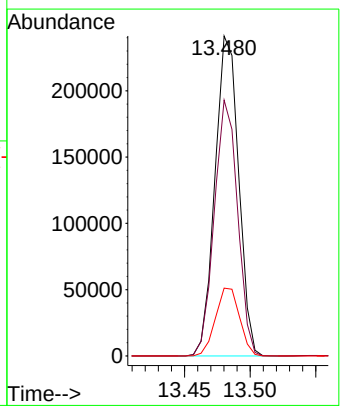


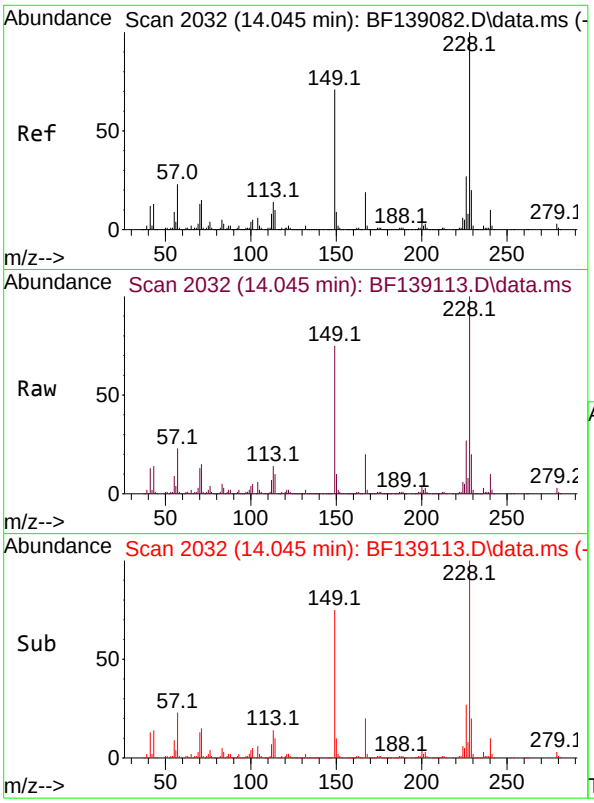


#80
Butylbenzylphthalate
Concen: 47.527 ng
RT: 13.480 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 302466

Ion	Ratio	Lower	Upper
149	100		
91	80.0	62.1	93.1
206	21.2	18.0	27.0



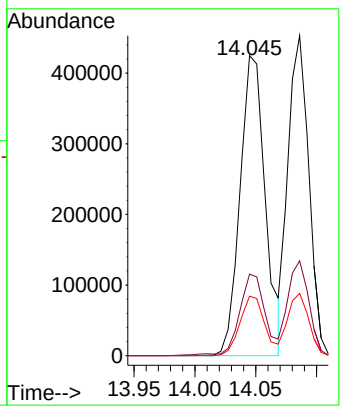


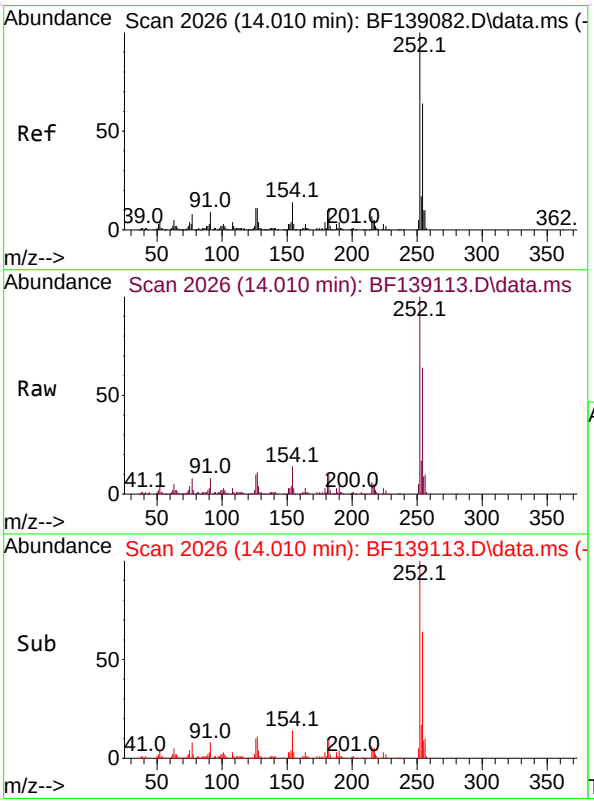
#81
Benzo(a)anthracene
Concen: 42.302 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 612966

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.8	16.1	24.1

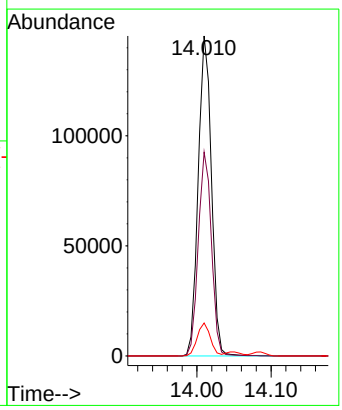


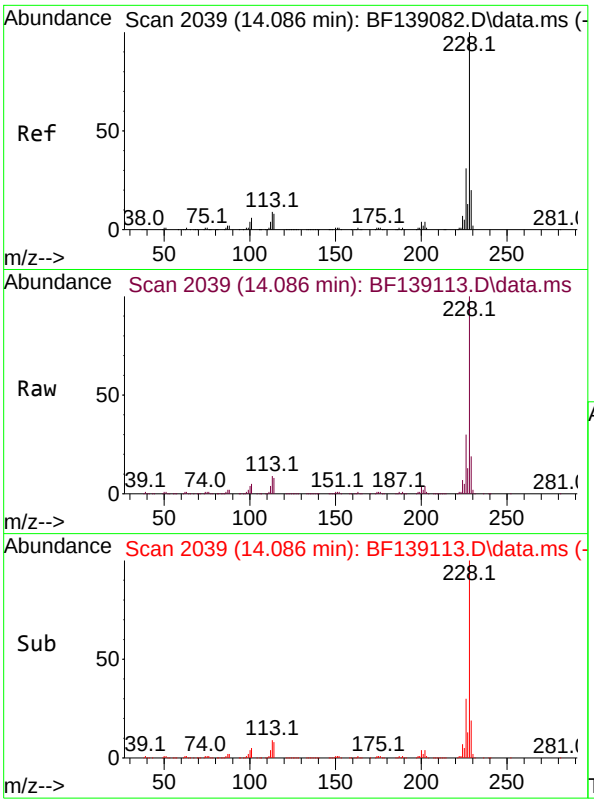


#82
3,3'-Dichlorobenzidine
Concen: 44.421 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:252 Resp: 179919

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.4	77.0
126	10.3	8.6	12.8



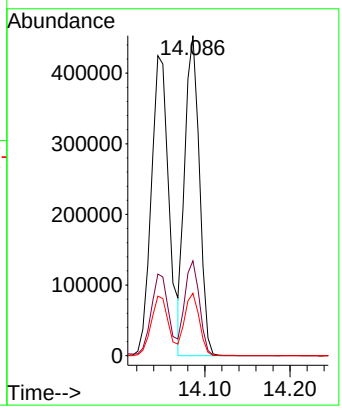


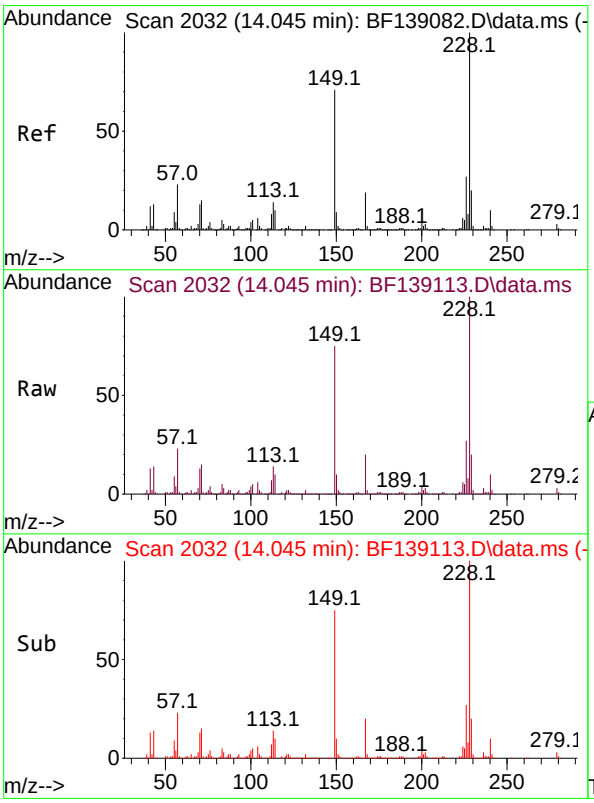
#83
Chrysene
Concen: 41.110 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 539940

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	19.5	15.8	23.8

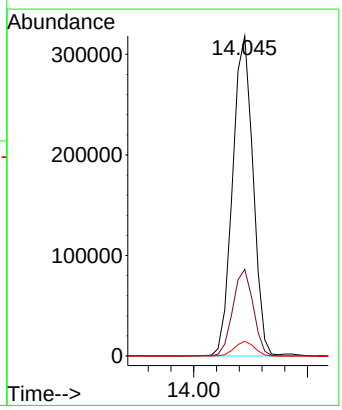


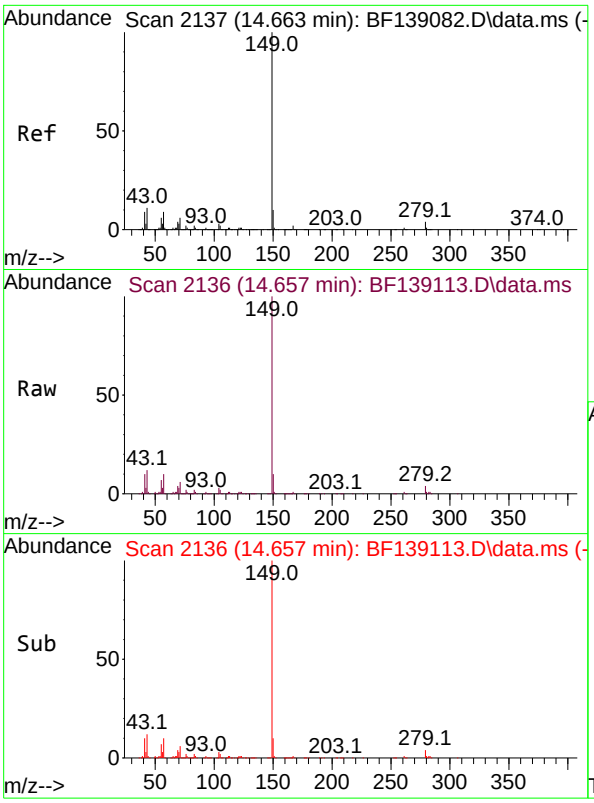


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.092 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:149 Resp: 397307

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.6
279	4.6	3.5	5.3



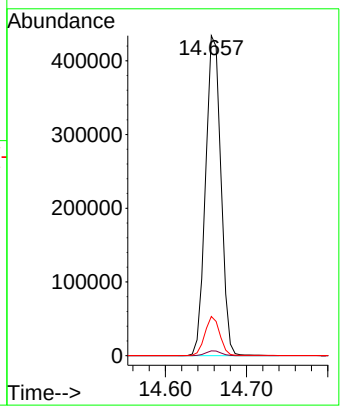


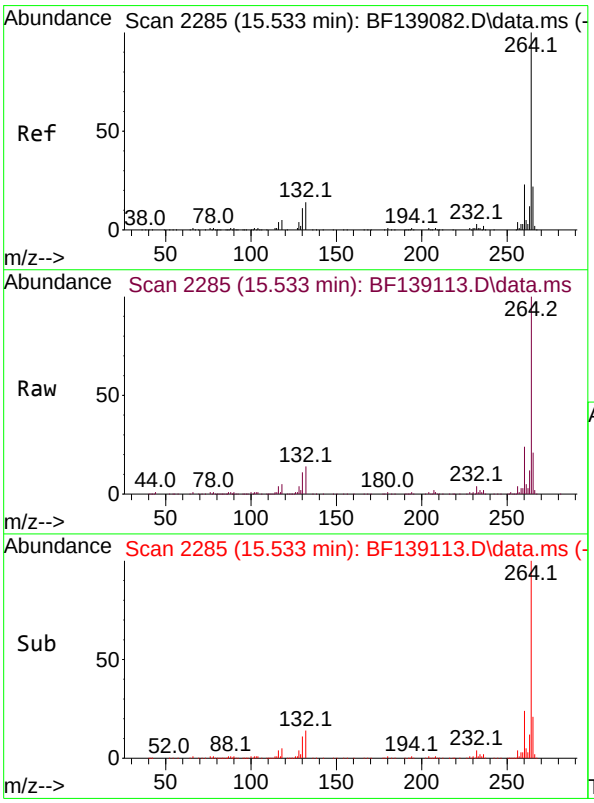
#85
Di-n-octyl phthalate
Concen: 48.032 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 568765

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.6	14.4

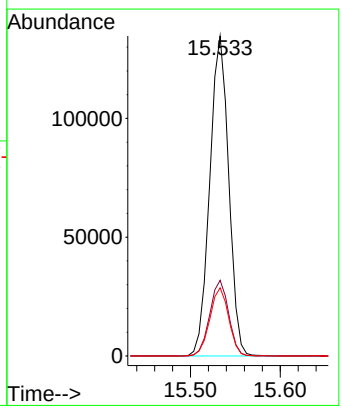


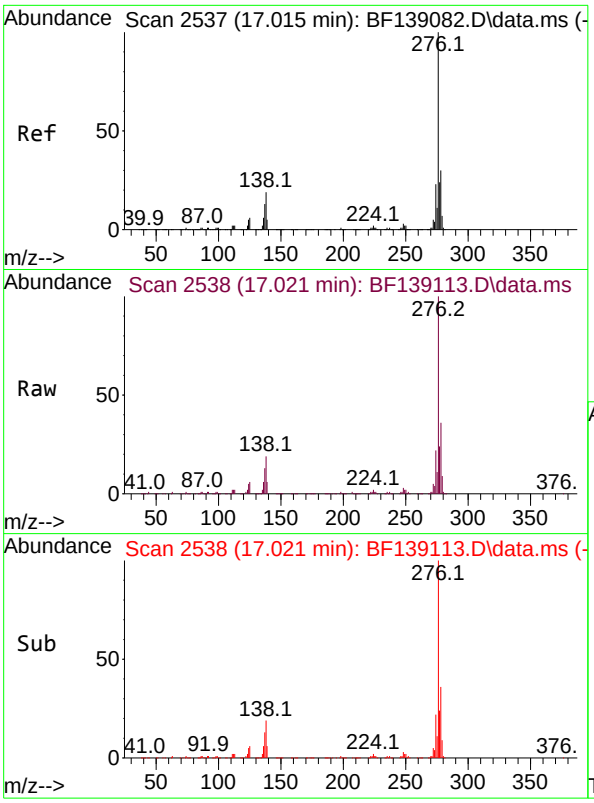


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:264 Resp: 197324

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.3	17.4	26.2



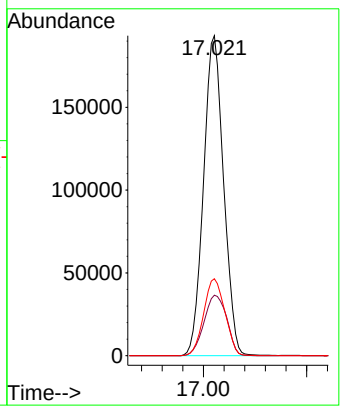


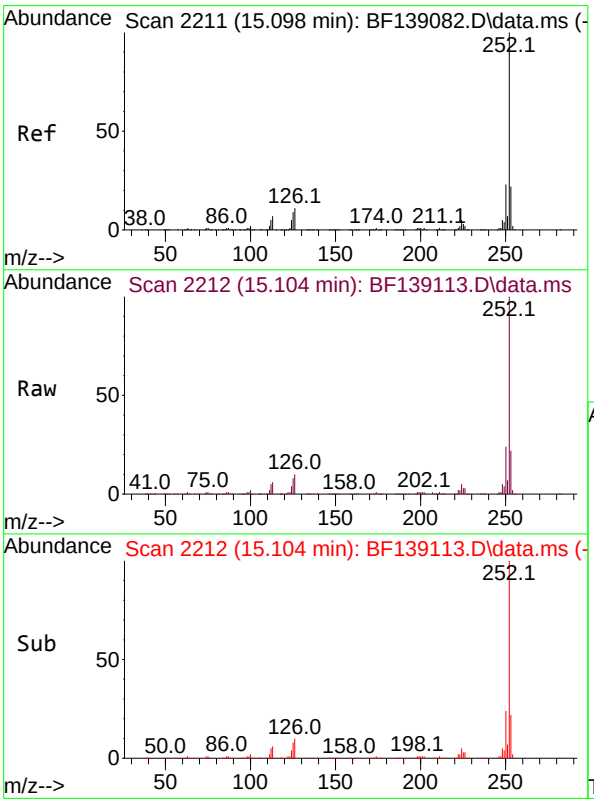
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.057 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 520345

Ion	Ratio	Lower	Upper
276	100		
138	21.5	17.3	25.9
277	25.4	20.2	30.4

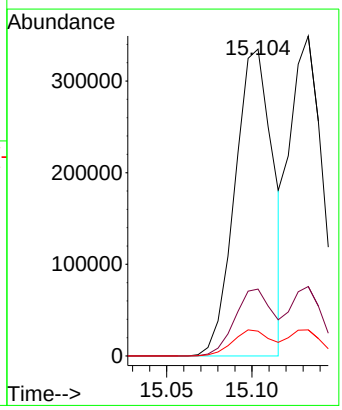


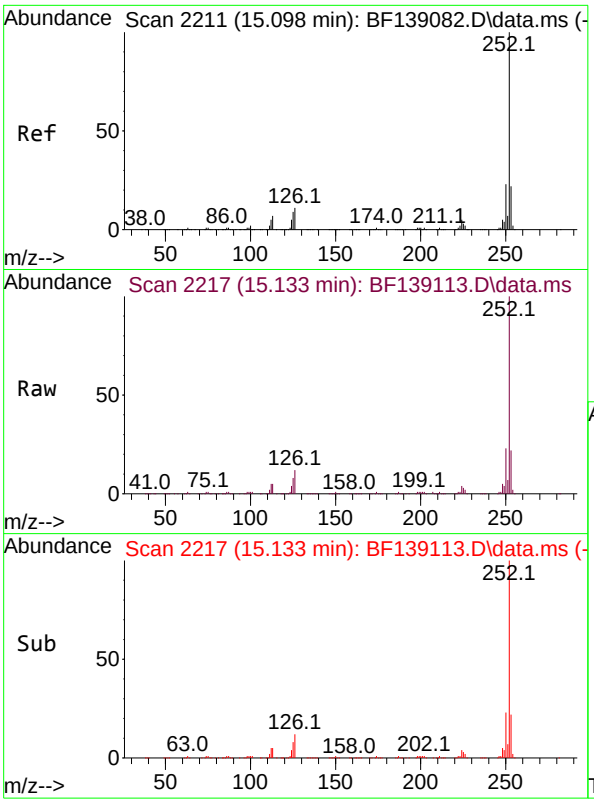


#88
Benzo(b)fluoranthene
Concen: 40.329 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:252 Resp: 518806

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.1	7.0	10.6



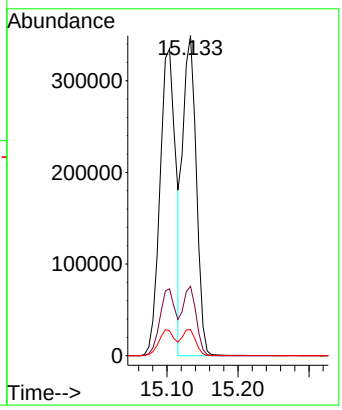


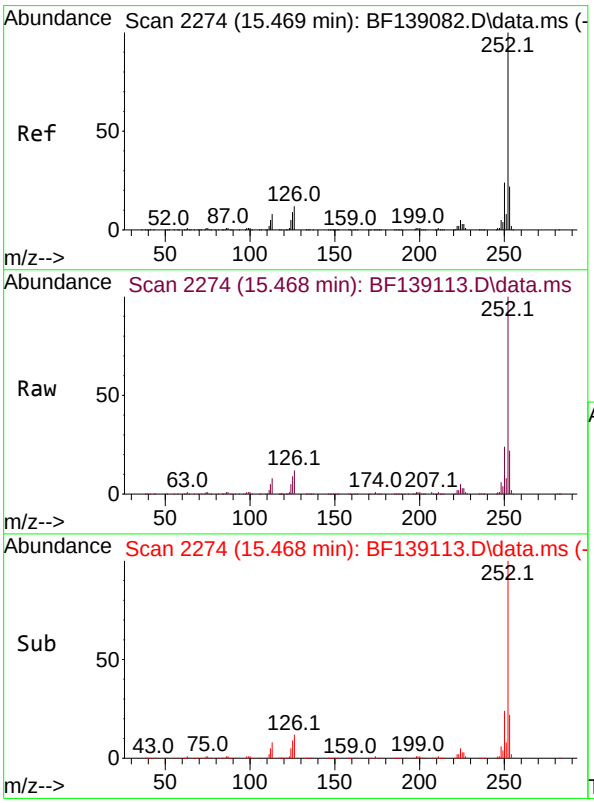
#89
Benzo(k)fluoranthene
Concen: 42.972 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 460417

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.2	7.0	10.6

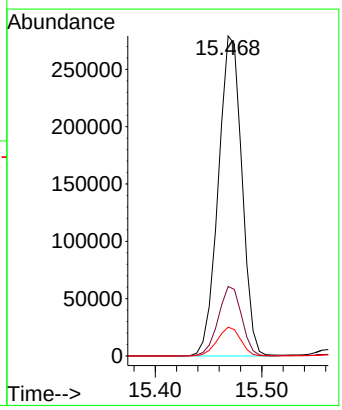


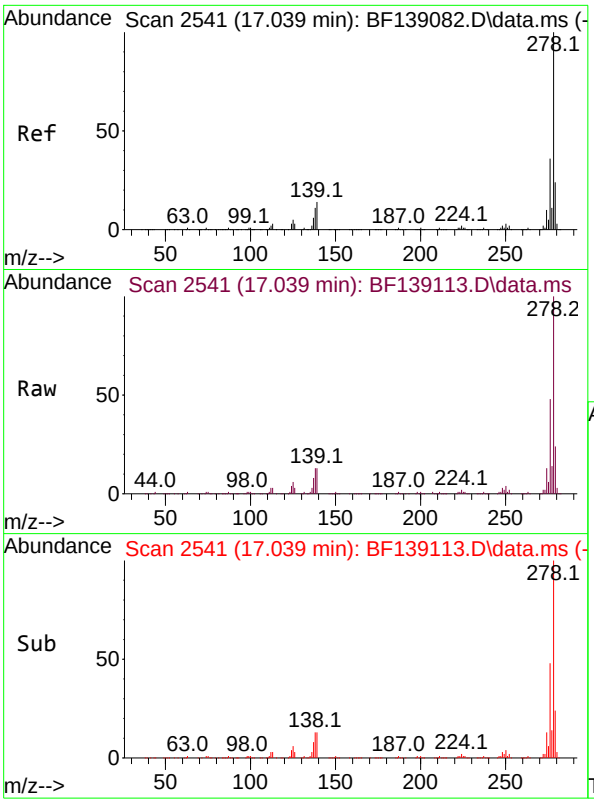


#90
Benzo(a)pyrene
Concen: 42.171 ng
RT: 15.468 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:252 Resp: 428665

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	9.0	7.4	11.2



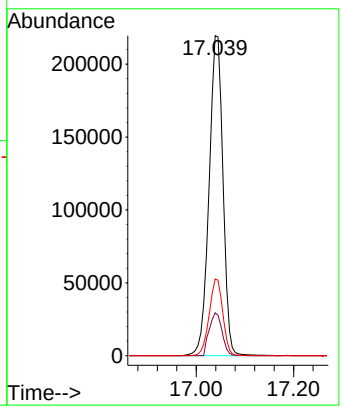


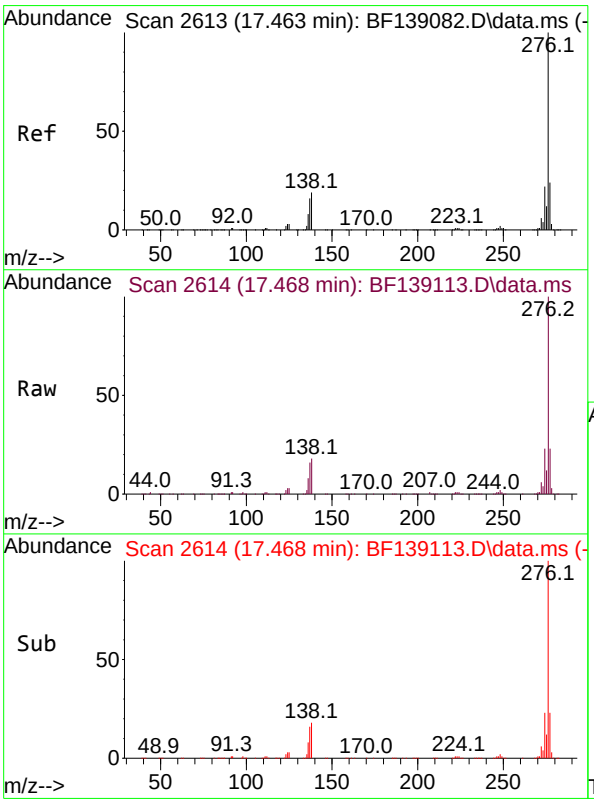
#91
Dibenzo(a,h)anthracene
Concen: 45.754 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 433744

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.8	16.2
279	24.0	19.2	28.8

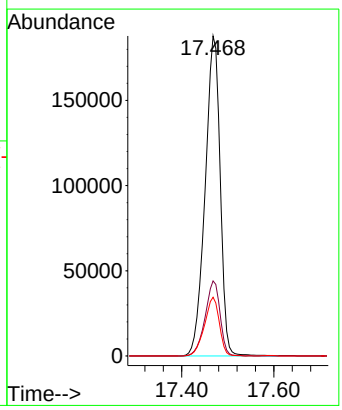




#92
Benzo(g,h,i)perylene
Concen: 39.972 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.005 min
Lab File: BF139113.D
Acq: 22 Aug 2024 10:25

Tgt Ion:276 Resp: 427561

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	18.4	15.0	22.4



Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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	80	0.00
2		1,4-Dioxane	0.558	0.567	-1.6	82	0.00
3		Pyridine	1.417	1.467	-3.5	86	0.00
4		n-Nitrosodimethylamine	0.856	0.835	2.5	84	0.00
5	S	2-Fluorophenol	1.300	1.302	-0.2	85	0.00
6		Aniline	1.516	1.618	-6.7	85	0.00
7	S	Phenol-d6	1.680	1.722	-2.5	85	0.00
8		2-Chlorophenol	1.250	1.281	-2.5	86	0.00
9		Benzaldehyde	0.985	1.023	-3.9	89	0.00
10	C	Phenol	1.748	1.829	-4.6	85	0.00
11		bis(2-Chloroethyl)ether	1.406	1.318	6.3	83	0.00
12		1,3-Dichlorobenzene	1.503	1.526	-1.5	85	0.00
13	C	1,4-Dichlorobenzene	1.503	1.530	-1.8	85	0.00
14		1,2-Dichlorobenzene	1.374	1.433	-4.3	85	0.00
15		Benzyl Alcohol	1.328	1.390	-4.7	87	0.00
16		2,2'-oxybis(1-Chloropropane	1.980	1.907	3.7	82	0.00
17		2-Methylphenol	1.070	1.104	-3.2	86	0.00
18		Hexachloroethane	0.527	0.545	-3.4	86	0.00
19	P	n-Nitroso-di-n-propylamine	1.103	1.099	0.4	87	0.00
20		3+4-Methylphenols	1.386	1.446	-4.3	86	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22		Acetophenone	0.511	0.529	-3.5	86	0.00
23	S	Nitrobenzene-d5	0.343	0.430	-25.4#	98	0.00
24		Nitrobenzene	0.382	0.456	-19.4	95	0.00
25		Isophorone	0.730	0.769	-5.3	88	0.00
26	C	2-Nitrophenol	0.110	0.165	-50.0#	115	0.00
27		2,4-Dimethylphenol	0.231	0.241	-4.3	89	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.434	-1.9	87	0.00
29	C	2,4-Dichlorophenol	0.288	0.307	-6.6	88	0.00
30		1,2,4-Trichlorobenzene	0.337	0.346	-2.7	86	0.00
31		Naphthalene	1.013	1.047	-3.4	86	0.00
32		Benzoic acid	0.167	0.241	-44.3#	119	0.00
33		4-Chloroaniline	0.347	0.371	-6.9	88	0.00
34	C	Hexachlorobutadiene	0.220	0.225	-2.3	86	0.00
35		Caprolactam	0.091	0.101	-11.0	90	0.00
36	C	4-Chloro-3-methylphenol	0.319	0.347	-8.8	89	0.00
37		2-Methylnaphthalene	0.650	0.690	-6.2	90	0.00
38		1-Methylnaphthalene	0.627	0.657	-4.8	88	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	89	0.00
41	P	Hexachlorocyclopentadiene	0.210	0.237	-12.9	95	0.00
42	S	2,4,6-Tribromophenol	0.181	0.215	-18.8	97	0.00
43	C	2,4,6-Trichlorophenol	0.370	0.398	-7.6	96	0.00
44		2,4,5-Trichlorophenol	0.379	0.405	-6.9	90	0.00
45	S	2-Fluorobiphenyl	1.261	1.281	-1.6	91	0.00
46		1,1'-Biphenyl	1.370	1.435	-4.7	90	0.00
47		2-Chloronaphthalene	1.113	1.126	-1.2	89	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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	0.262	0.382	-45.8#	115	0.00
49		Acenaphthylene	1.595	1.661	-4.1	90	0.00
50		Dimethylphthalate	1.235	1.349	-9.2	94	0.00
51		2,6-Dinitrotoluene	0.206	0.302	-46.6#	110	0.00
52	C	Acenaphthene	1.053	1.120	-6.4	94	0.00
53		3-Nitroaniline	0.213	0.287	-34.7#	102	0.00
54	P	2,4-Dinitrophenol	0.074	0.126	-70.3#	151#	0.00
55		Dibenzofuran	1.530	1.624	-6.1	92	0.00
56	P	4-Nitrophenol	0.187	0.237	-26.7#	105	0.00
57		2,4-Dinitrotoluene	0.250	0.401	-60.4#	119	0.00
58		Fluorene	1.223	1.284	-5.0	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.305	0.351	-15.1	96	0.00
60		Diethylphthalate	1.223	1.358	-11.0	95	0.00
61		4-Chlorophenyl-phenylether	0.611	0.646	-5.7	94	0.00
62		4-Nitroaniline	0.219	0.299	-36.5#	105	0.00
63		Azobenzene	1.360	1.468	-7.9	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	0.064	0.106	-65.6#	143	0.00
66	c	n-Nitrosodiphenylamine	0.592	0.610	-3.0	92	0.00
67		4-Bromophenyl-phenylether	0.212	0.224	-5.7	93	0.00
68		Hexachlorobenzene	0.227	0.240	-5.7	94	0.00
69		Atrazine	0.181	0.194	-7.2	113	0.00
70	C	Pentachlorophenol	0.145	0.172	-18.6	99	0.00
71		Phenanthrene	1.017	1.033	-1.6	92	0.00
72		Anthracene	0.994	1.020	-2.6	92	0.00
73		Carbazole	0.928	0.936	-0.9	90	0.00
74		Di-n-butylphthalate	1.076	1.151	-7.0	97	0.00
75	C	Fluoranthene	1.085	1.085	0.0	89	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	80	0.00
77		Benzidine	0.413	0.566	-37.0#	89	0.00
78		Pyrene	1.669	1.842	-10.4	87	0.00
79	S	Terphenyl-d14	1.205	1.390	-15.4	91	0.00
80		Butylbenzylphthalate	0.577	0.686	-18.9	90	0.00
81		Benzo(a)anthracene	1.315	1.390	-5.7	85	0.00
82		3,3'-Dichlorobenzidine	0.367	0.408	-11.2	93	0.00
83		Chrysene	1.192	1.225	-2.8	85	0.00
84		Bis(2-ethylhexyl)phthalate	0.765	0.901	-17.8	92	0.00
85	c	Di-n-octyl phthalate	1.074	1.290	-20.1#	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	92	0.00
87		Indeno(1,2,3-cd)pyrene	1.171	1.319	-12.6	93	0.00
88		Benzo(b)fluoranthene	1.304	1.315	-0.8	96	0.00
89		Benzo(k)fluoranthene	1.086	1.167	-7.5	99	0.00
90	C	Benzo(a)pyrene	1.030	1.086	-5.4	98	0.00
91		Dibenzo(a,h)anthracene	0.961	1.099	-14.4	93	0.00
92		Benzo(g,h,i)perylene	0.969	1.083	-11.8	90	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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	80	0.00
2		1,4-Dioxane	40.000	40.647	-1.6	82	0.00
3		Pyridine	40.000	41.416	-3.5	86	0.00
4		n-Nitrosodimethylamine	40.000	39.002	2.5	84	0.00
5	S	2-Fluorophenol	80.000	80.126	-0.2	85	0.00
6		Aniline	40.000	42.688	-6.7	85	0.00
7	S	Phenol-d6	80.000	82.032	-2.5	85	0.00
8		2-Chlorophenol	40.000	40.978	-2.4	86	0.00
9		Benzaldehyde	40.000	41.537	-3.8	89	0.00
10	C	Phenol	40.000	41.857	-4.6	85	0.00
11		bis(2-Chloroethyl)ether	40.000	37.514	6.2	83	0.00
12		1,3-Dichlorobenzene	40.000	40.604	-1.5	85	0.00
13	C	1,4-Dichlorobenzene	40.000	40.721	-1.8	85	0.00
14		1,2-Dichlorobenzene	40.000	41.739	-4.3	85	0.00
15		Benzyl Alcohol	40.000	41.875	-4.7	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.532	3.7	82	0.00
17		2-Methylphenol	40.000	41.280	-3.2	86	0.00
18		Hexachloroethane	40.000	41.348	-3.4	86	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.836	0.4	87	0.00
20		3+4-Methylphenols	40.000	41.738	-4.3	86	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22		Acetophenone	40.000	41.440	-3.6	86	0.00
23	S	Nitrobenzene-d5	80.000	100.273	-25.3#	98	0.00
24		Nitrobenzene	40.000	47.800	-19.5	95	0.00
25		Isophorone	40.000	42.189	-5.5	88	0.00
26	C	2-Nitrophenol	40.000	49.343	-23.4#	115	0.00
27		2,4-Dimethylphenol	40.000	41.727	-4.3	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.755	-1.9	87	0.00
29	C	2,4-Dichlorophenol	40.000	42.642	-6.6	88	0.00
30		1,2,4-Trichlorobenzene	40.000	41.066	-2.7	86	0.00
31		Naphthalene	40.000	41.332	-3.3	86	0.00
32		Benzoic acid	40.000	49.705	-24.3	119	0.00
33		4-Chloroaniline	40.000	42.759	-6.9	88	0.00
34	C	Hexachlorobutadiene	40.000	40.877	-2.2	86	0.00
35		Caprolactam	40.000	44.432	-11.1	90	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.488	-8.7	89	0.00
37		2-Methylnaphthalene	40.000	42.445	-6.1	90	0.00
38		1-Methylnaphthalene	40.000	41.906	-4.8	88	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.331	-5.8	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.024	-12.6	95	0.00
42	S	2,4,6-Tribromophenol	80.000	95.201	-19.0	97	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.045	-7.6	96	0.00
44		2,4,5-Trichlorophenol	40.000	42.748	-6.9	90	0.00
45	S	2-Fluorobiphenyl	80.000	81.324	-1.7	91	0.00
46		1,1'-Biphenyl	40.000	41.901	-4.8	90	0.00
47		2-Chloronaphthalene	40.000	40.449	-1.1	89	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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	47.900	-19.7	115	0.00
49		Acenaphthylene	40.000	41.671	-4.2	90	0.00
50		Dimethylphthalate	40.000	43.698	-9.2	94	0.00
51		2,6-Dinitrotoluene	40.000	48.715	-21.8	110	0.00
52	C	Acenaphthene	40.000	42.546	-6.4	94	0.00
53		3-Nitroaniline	40.000	46.014	-15.0	102	0.00
54	P	2,4-Dinitrophenol	40.000	56.704	-41.8#	151	0.00
55		Dibenzofuran	40.000	42.445	-6.1	92	0.00
56	P	4-Nitrophenol	40.000	50.759	-26.9#	105	0.00
57		2,4-Dinitrotoluene	40.000	51.187	-28.0#	119	0.00
58		Fluorene	40.000	42.012	-5.0	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	46.105	-15.3	96	0.00
60		Diethylphthalate	40.000	44.395	-11.0	95	0.00
61		4-Chlorophenyl-phenylether	40.000	42.308	-5.8	94	0.00
62		4-Nitroaniline	40.000	47.251	-18.1	105	0.00
63		Azobenzene	40.000	43.180	-7.9	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	40.000	55.789	-39.5#	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.204	-3.0	92	0.00
67		4-Bromophenyl-phenylether	40.000	42.217	-5.5	93	0.00
68		Hexachlorobenzene	40.000	42.310	-5.8	94	0.00
69		Atrazine	40.000	42.845	-7.1	113	0.00
70	C	Pentachlorophenol	40.000	47.403	-18.5	99	0.00
71		Phenanthrene	40.000	40.630	-1.6	92	0.00
72		Anthracene	40.000	41.029	-2.6	92	0.00
73		Carbazole	40.000	40.313	-0.8	90	0.00
74		Di-n-butylphthalate	40.000	42.761	-6.9	97	0.00
75	C	Fluoranthene	40.000	40.009	-0.0	89	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	80	0.00
77		Benzidine	40.000	54.783	-37.0#	89	0.00
78		Pyrene	40.000	44.155	-10.4	87	0.00
79	S	Terphenyl-d14	80.000	92.249	-15.3	91	0.00
80		Butylbenzylphthalate	40.000	47.527	-18.8	90	0.00
81		Benzo(a)anthracene	40.000	42.302	-5.8	85	0.00
82		3,3'-Dichlorobenzidine	40.000	44.421	-11.1	93	0.00
83		Chrysene	40.000	41.110	-2.8	85	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.092	-17.7	92	0.00
85	c	Di-n-octyl phthalate	40.000	48.032	-20.1#	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	92	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.057	-12.6	93	0.00
88		Benzo(b)fluoranthene	40.000	40.329	-0.8	96	0.00
89		Benzo(k)fluoranthene	40.000	42.972	-7.4	99	0.00
90	C	Benzo(a)pyrene	40.000	42.171	-5.4	98	0.00
91		Dibenzo(a,h)anthracene	40.000	45.754	-14.4	93	0.00
92		Benzo(g,h,i)perylene	40.000	39.972	0.1	90	0.00

Sample Results: **BF139113.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139113.D
Acq On : 22 Aug 2024 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 22 11:00:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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: JACO05

Lab Code: CHEM Case No.: P3573 SAS No.: P3573 SDG No.: P3573

Instrument ID: BNA_P Calibration Date/Time: 08/15/2024 15:37

Lab File ID: BP021515.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.347	1.380		2.5	
Phenol-d6	1.965	2.003		1.9	
Nitrobenzene-d5	0.387	0.439		13.4	
2-Fluorobiphenyl	1.310	1.300		-0.8	
2,4,6-Tribromophenol	0.223	0.226		1.3	
Terphenyl-d14	1.029	0.965		-6.2	
Benzo(a)anthracene	1.256	1.239		-1.4	
Benzo(a)pyrene	0.997	1.008		1.1	20.0
Dibenzo(a,h)anthracene	1.077	1.090		1.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	352497	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1470751	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	969870	20.000	ng		-0.01
64) Phenanthrene-d10	17.251	188	2115328	20.000	ng		0.00
76) Chrysene-d12	21.704	240	2128450	20.000	ng		0.00
86) Perylene-d12	25.098	264	2469040	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	1946304	81.986	ng		0.00
7) Phenol-d6	6.963	99	2823835	81.542	ng		0.00
23) Nitrobenzene-d5	8.952	82	2581314	90.589	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	877862	81.327	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	5044233	79.374	ng		0.00
79) Terphenyl-d14	19.963	244	8214886	74.981	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	447107	39.721	ng		98
3) Pyridine	3.711	79	1252353m	39.855	ng		
4) n-Nitrosodimethylamine	3.622	42	385609	40.827	ng		98
6) Aniline	7.134	93	1360361	39.293	ng		99
8) 2-Chlorophenol	7.369	128	902073	41.119	ng		99
9) Benzaldehyde	6.946	77	852833	38.463	ng		99
10) Phenol	6.987	94	1443567	40.255	ng		100
11) bis(2-Chloroethyl)ether	7.228	93	1186725	39.109	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1030196	39.534	ng		99
13) 1,4-Dichlorobenzene	7.840	146	1036195	39.379	ng		98
14) 1,2-Dichlorobenzene	8.157	146	997044	39.319	ng		99
15) Benzyl Alcohol	8.028	79	1007754	40.558	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1086528	38.883	ng		99
17) 2-Methylphenol	8.234	107	918745	40.526	ng		98
18) Hexachloroethane	8.887	117	428073	40.569	ng		99
19) n-Nitroso-di-n-propyla...	8.604	70	913890	38.203	ng		99
20) 3+4-Methylphenols	8.557	107	1259301	41.196	ng		98
22) Acetophenone	8.616	105	1765911	39.083	ng	#	99
24) Nitrobenzene	8.993	77	1364063	44.076	ng		99
25) Isophorone	9.516	82	2594739	38.545	ng		99
26) 2-Nitrophenol	9.699	139	342500	45.564	ng		97
27) 2,4-Dimethylphenol	9.757	122	673058	40.514	ng		96
28) bis(2-Chloroethoxy)met...	9.999	93	1604015	39.035	ng		99
29) 2,4-Dichlorophenol	10.234	162	853816	43.498	ng		99
30) 1,2,4-Trichlorobenzene	10.457	180	999131	39.703	ng		98
31) Naphthalene	10.640	128	3058219	39.804	ng		99
32) Benzoic acid	9.881	122	551734	49.992	ng		95
33) 4-Chloroaniline	10.746	127	1175135	40.717	ng		98
34) Hexachlorobutadiene	10.940	225	620933	39.188	ng		98
35) Caprolactam	11.504	113	357386	43.743	ng		99
36) 4-Chloro-3-methylphenol	11.863	107	1170990	43.006	ng		97
37) 2-Methylnaphthalene	12.251	142	2062049	39.324	ng		99
38) 1-Methylnaphthalene	12.481	142	2044874	39.539	ng		99
40) 1,2,4,5-Tetrachloroben...	12.622	216	1121844	39.477	ng		100
41) Hexachlorocyclopentadiene	12.616	237	353271	39.224	ng		99
43) 2,4,6-Trichlorophenol	12.863	196	686109	43.465	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	790979	45.100	ng		97
46) 1,1'-Biphenyl	13.269	154	2723776	39.694	ng		99
47) 2-Chloronaphthalene	13.310	162	2115952	39.608	ng		99
48) 2-Nitroaniline	13.510	65	661450	44.587	ng		92
49) Acenaphthylene	14.169	152	3183609	40.538	ng		100
50) Dimethylphthalate	13.904	163	2650366	40.806	ng		99
51) 2,6-Dinitrotoluene	14.004	165	574544	44.191	ng		99
52) Acenaphthene	14.516	154	2088336	40.528	ng		100
53) 3-Nitroaniline	14.334	138	581039	45.344	ng	#	96
54) 2,4-Dinitrophenol	14.551	184	171879	48.146	ng		95
55) Dibenzofuran	14.857	168	3207316	40.462	ng		99
56) 4-Nitrophenol	14.645	139	484056	47.162	ng		95
57) 2,4-Dinitrotoluene	14.804	165	752946	45.473	ng		97
58) Fluorene	15.516	166	2596645	39.875	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.075	232	659289	44.289	ng		97
60) Diethylphthalate	15.292	149	2733165	41.012	ng		100
61) 4-Chlorophenyl-phenyle...	15.510	204	1337824	39.744	ng		98
62) 4-Nitroaniline	15.510	138	614816	46.527	ng		99
63) Azobenzene	15.804	77	3274899	39.977	ng		100
65) 4,6-Dinitro-2-methylph...	15.581	198	277800	45.318	ng		98
66) n-Nitrosodiphenylamine	15.722	169	2225148	39.253	ng		99
67) 4-Bromophenyl-phenylether	16.422	248	814780	36.394	ng		99
68) Hexachlorobenzene	16.539	284	1025496	38.761	ng		99
69) Atrazine	16.698	200	699482	35.940	ng		99
70) Pentachlorophenol	16.886	266	617832	42.785	ng		99
71) Phenanthrene	17.298	178	4070096	40.008	ng		100
72) Anthracene	17.386	178	3974138	39.833	ng		100
73) Carbazole	17.651	167	3950771	41.090	ng		99
74) Di-n-butylphthalate	18.269	149	4803309	40.677	ng		100
75) Fluoranthene	19.375	202	5201873	41.674	ng		100
77) Benzidine	19.563	184	1935177	39.007	ng		99
78) Pyrene	19.745	202	5342454	38.402	ng		99
80) Butylbenzylphthalate	20.698	149	1964062	38.009	ng		98
81) Benzo(a)anthracene	21.674	228	5273041	39.464	ng		100
82) 3,3'-Dichlorobenzidine	21.592	252	1830204	42.721	ng		99
83) Chrysene	21.745	228	4977056	39.453	ng		100
84) Bis(2-ethylhexyl)phtha...	21.633	149	3256957	41.242	ng		98
85) Di-n-octyl phthalate	22.945	149	5154605	38.250	ng		100
87) Indeno(1,2,3-cd)pyrene	28.974	276	6528768m	40.793	ng		
88) Benzo(b)fluoranthene	24.021	252	5707896	40.252	ng		100
89) Benzo(k)fluoranthene	24.098	252	5496638	39.736	ng		99
90) Benzo(a)pyrene	24.939	252	4977254	40.447	ng		100
91) Dibenzo(a,h)anthracene	29.080	278	5383733	40.485	ng		100
92) Benzo(g,h,i)perylene	30.192	276	5447861	40.874	ng		98

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

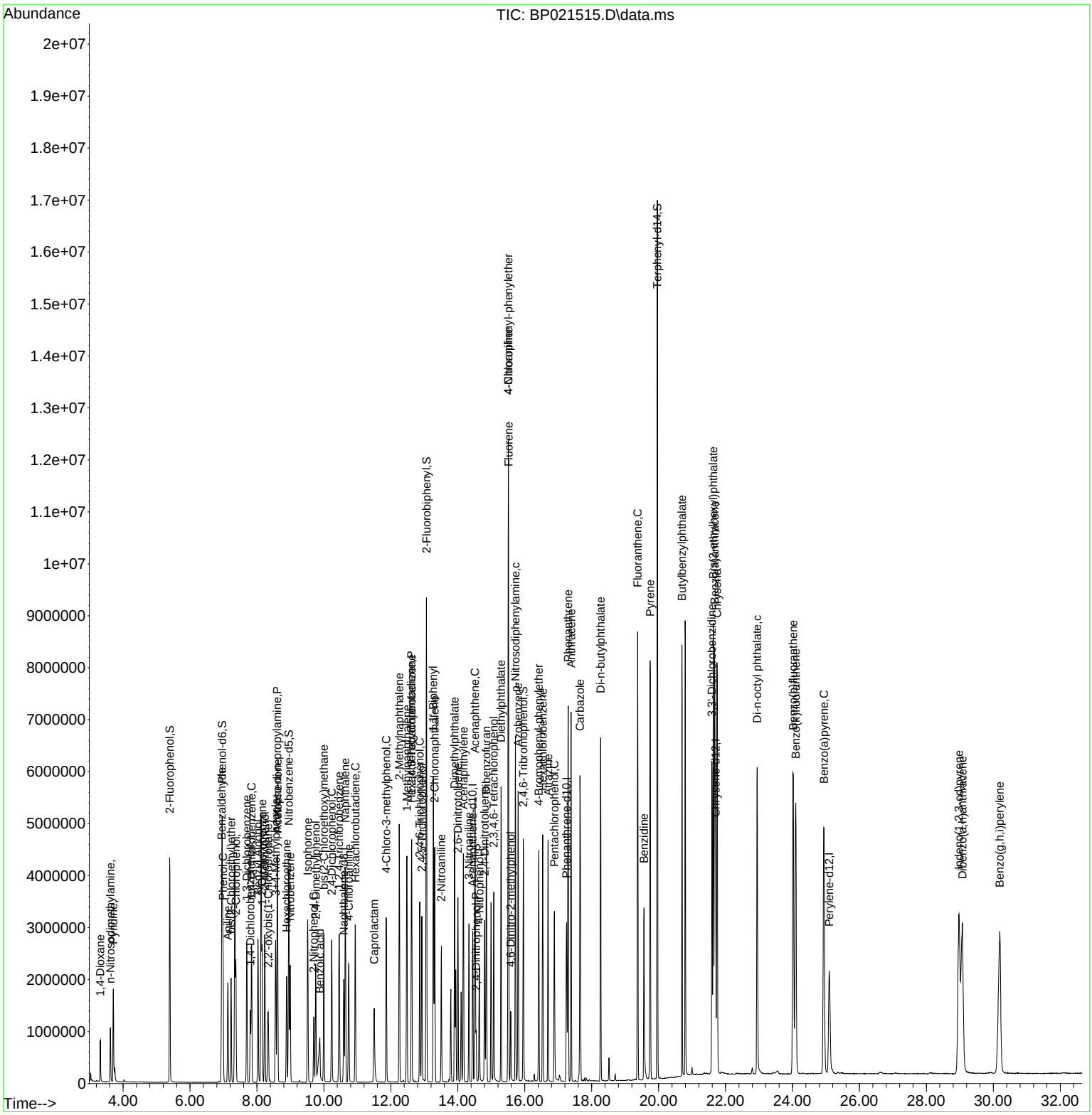
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

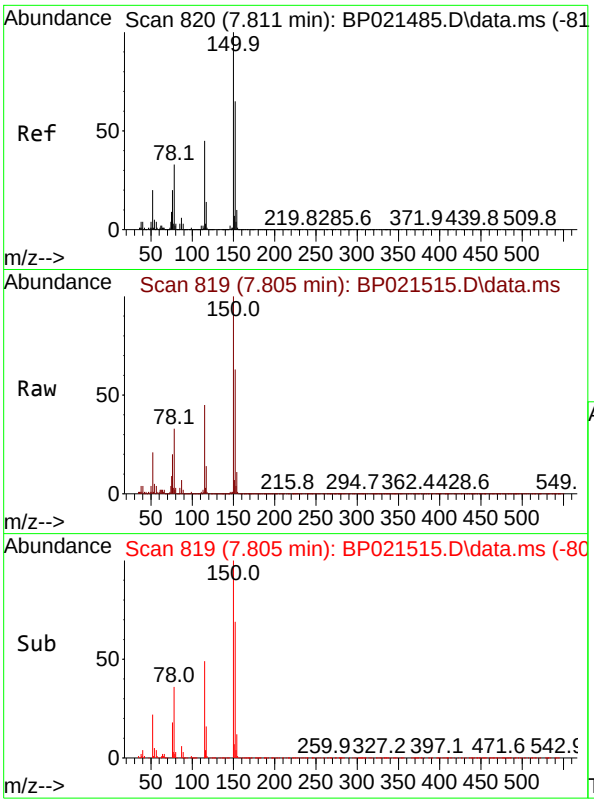
Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

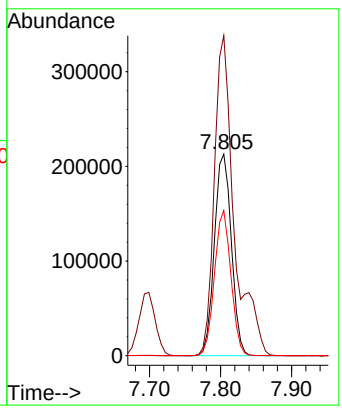




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:152 Resp: 35249

Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.4	183.6
115	71.9	54.7	82.1



Instrument :
BNA_P
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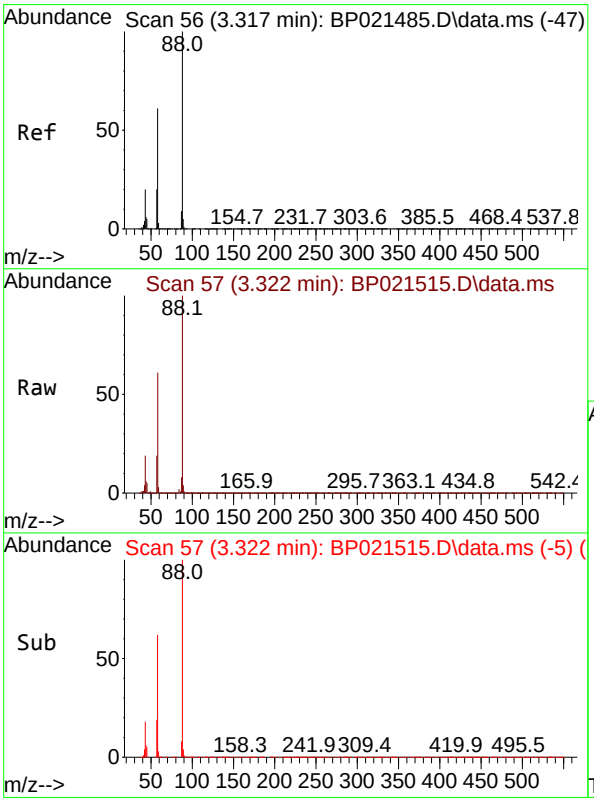
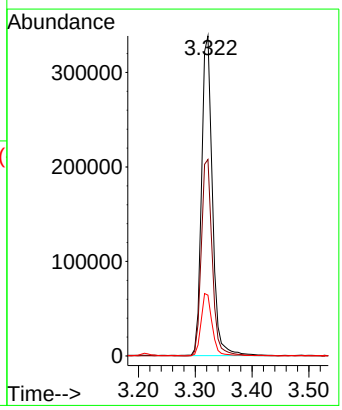
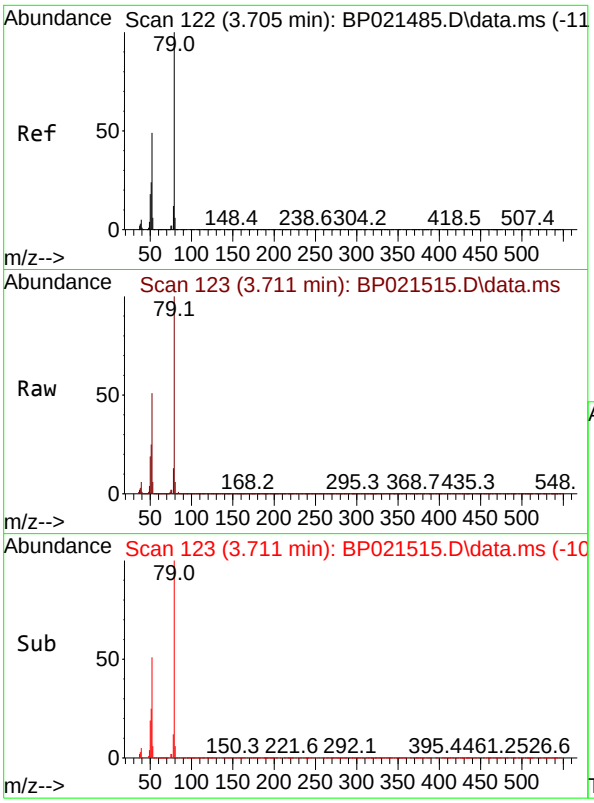


#2
1,4-Dioxane
Concen: 39.721 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 88 Resp: 447107

Ion	Ratio	Lower	Upper
88	100		
58	62.2	48.7	73.1
43	19.8	15.4	23.2

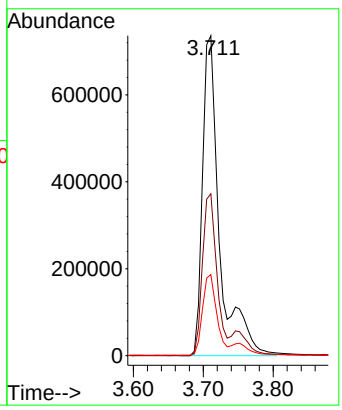




#3
Pyridine
Concen: 39.855 ng m
RT: 3.711 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 79 Resp: 125235

Ion	Ratio	Lower	Upper
79	100		
52	50.6	39.0	58.6
51	25.3	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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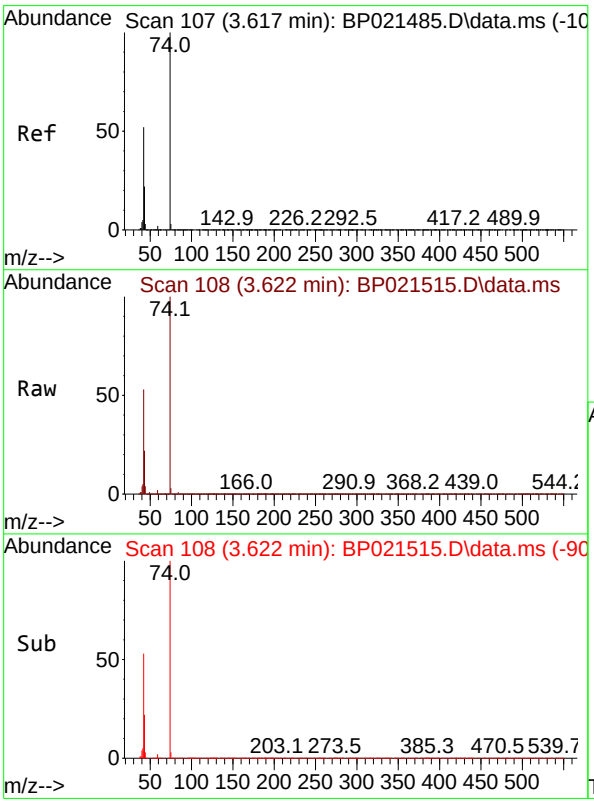
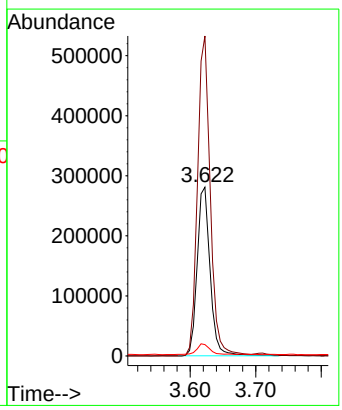
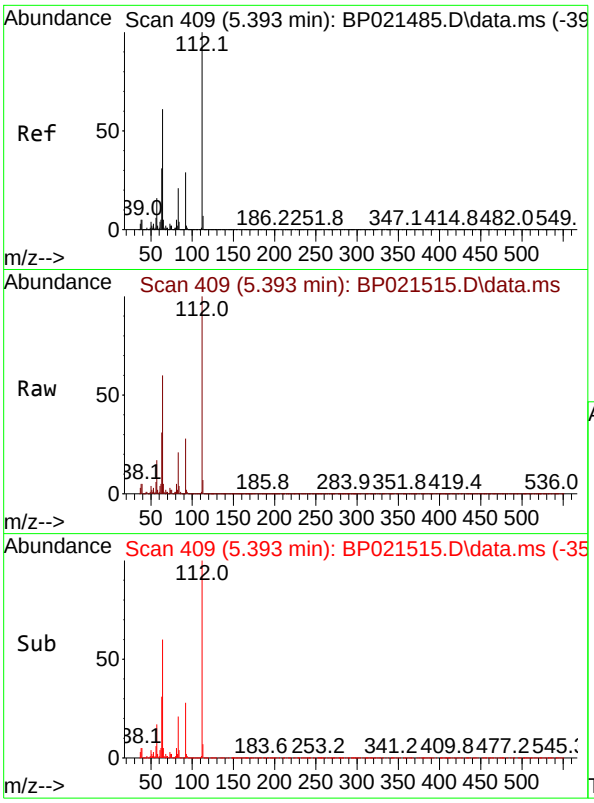


#4
n-Nitrosodimethylamine
Concen: 40.827 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 42 Resp: 385609

Ion	Ratio	Lower	Upper
42	100		
74	189.6	154.3	231.5
44	6.7	6.2	9.4





#5
2-Fluorophenol
Concen: 81.986 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:112 Resp: 194630

Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.0	73.6
63	30.8	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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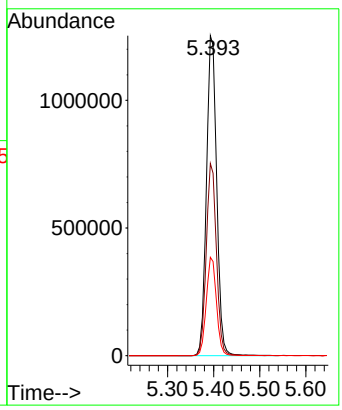
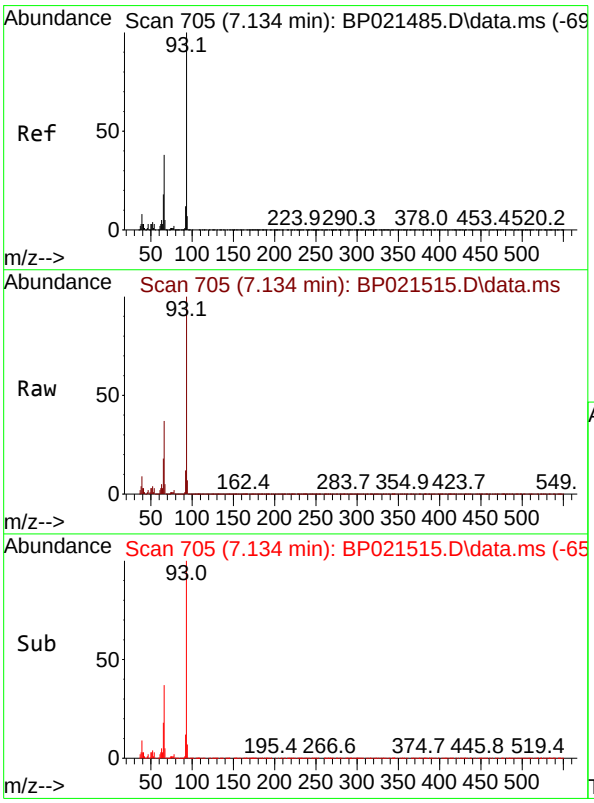
Supervised By :mohammad ahmed 08/17/2024

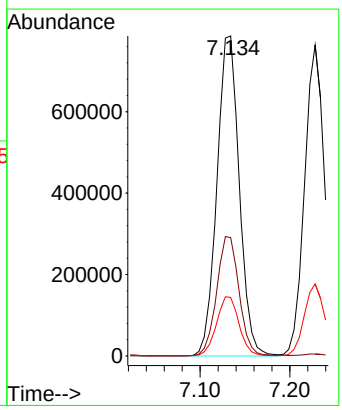


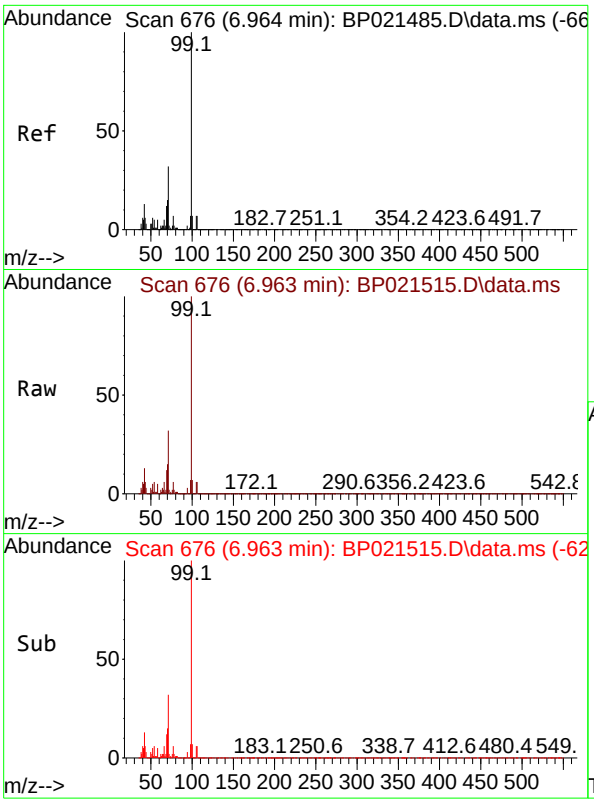


#6
Aniline
Concen: 39.293 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 93 Resp: 1360361

Ion	Ratio	Lower	Upper
93	100		
66	37.0	30.2	45.2
65	18.3	14.7	22.1

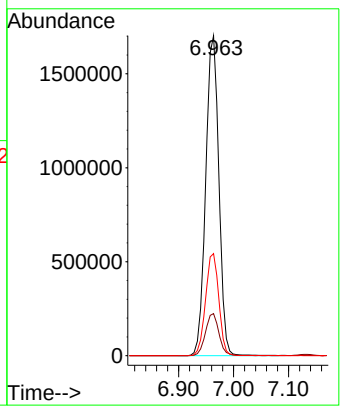




#7
Phenol-d6
Concen: 81.542 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 99 Resp: 282383

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	31.9	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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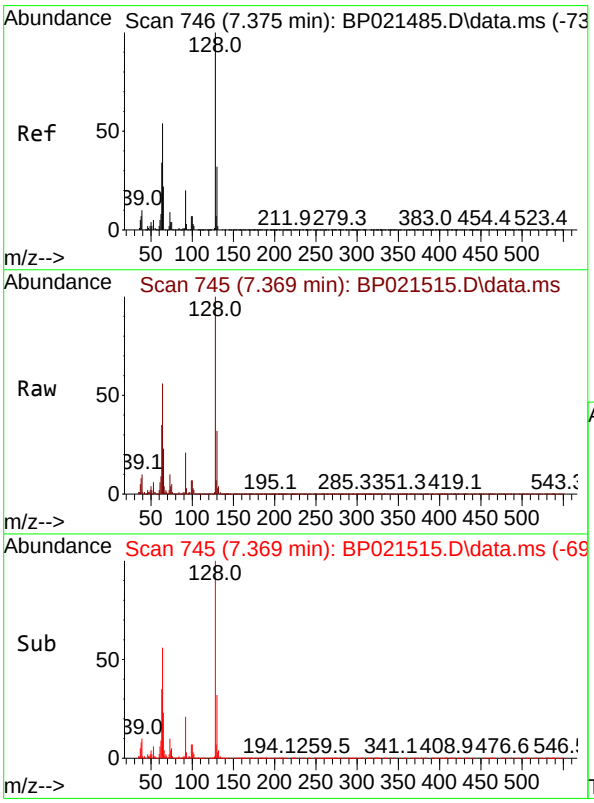
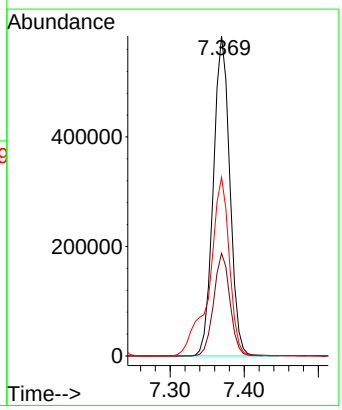
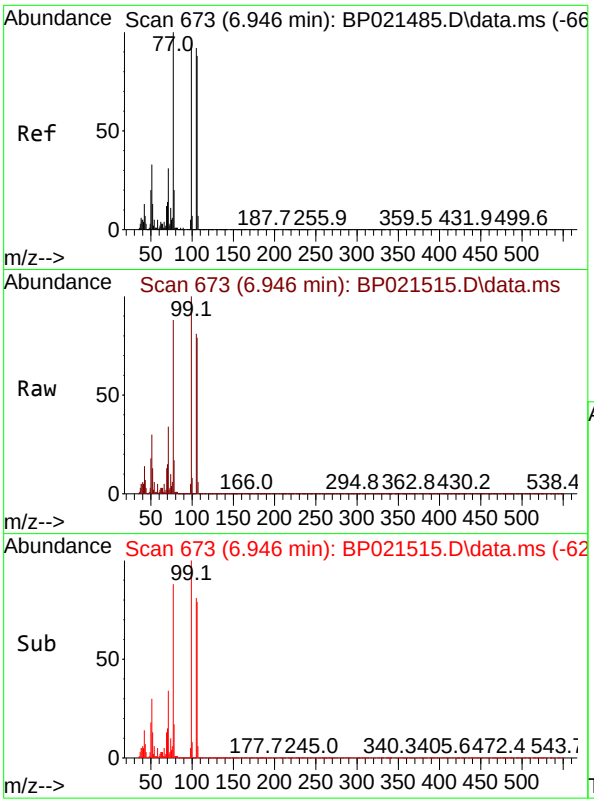


#8
2-Chlorophenol
Concen: 41.119 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:128 Resp: 902073

Ion	Ratio	Lower	Upper
128	100		
130	32.1	11.6	51.6
64	55.8	35.3	75.3

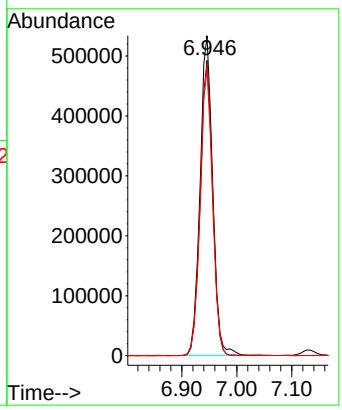




#9
Benzaldehyde
Concen: 38.463 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 77 Resp: 85283

Ion	Ratio	Lower	Upper
77	100		
105	92.3	72.1	112.1
106	89.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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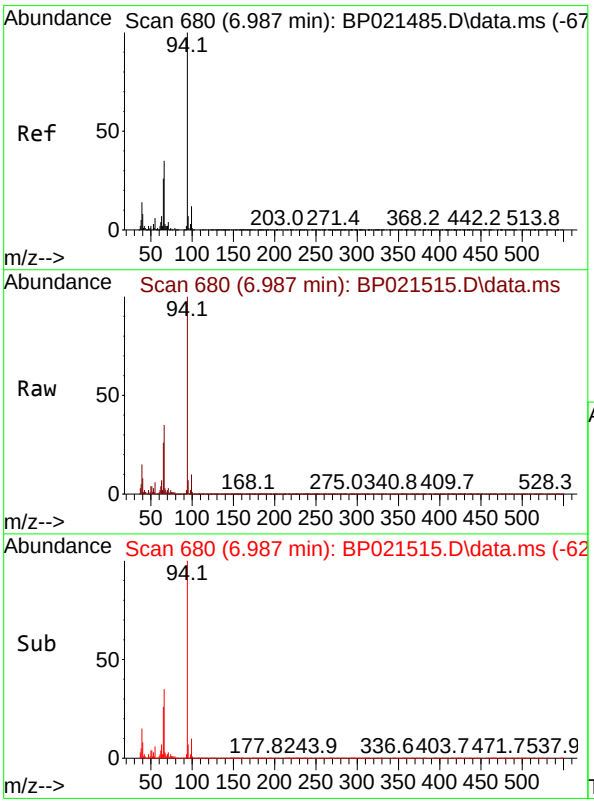
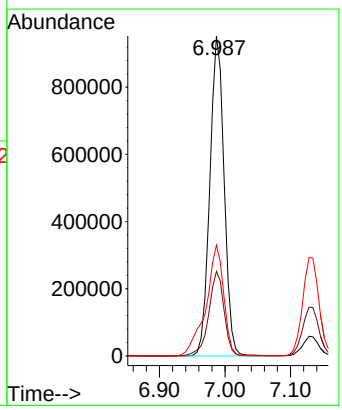
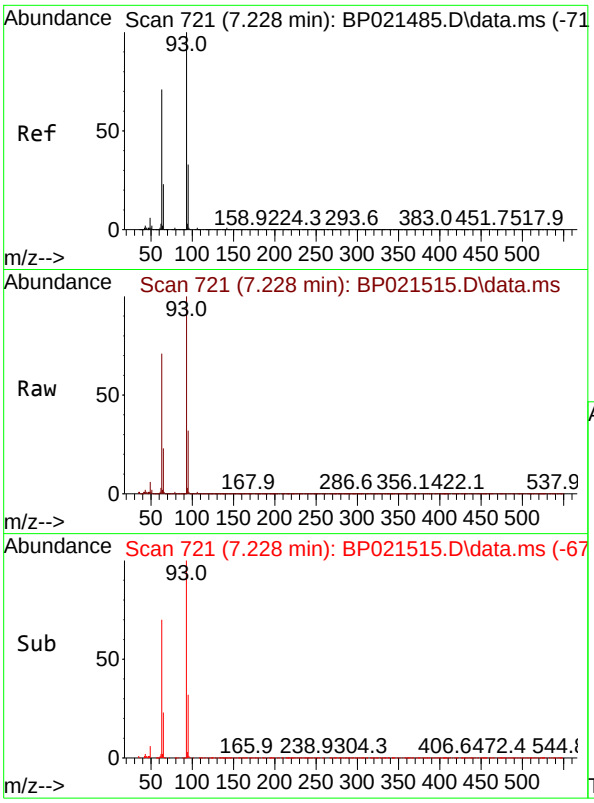


#10
Phenol
Concen: 40.255 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 94 Resp: 1443567

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	34.6	14.7	54.7

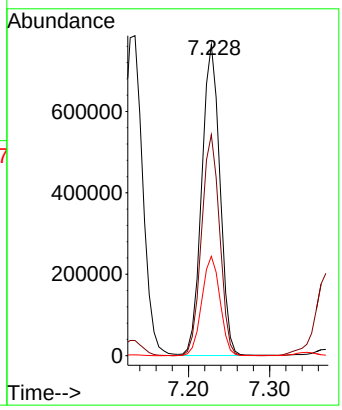




#11
bis(2-Chloroethyl)ether
Concen: 39.109 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 93 Resp: 118672

Ion	Ratio	Lower	Upper
93	100		
63	71.0	51.0	91.0
95	32.0	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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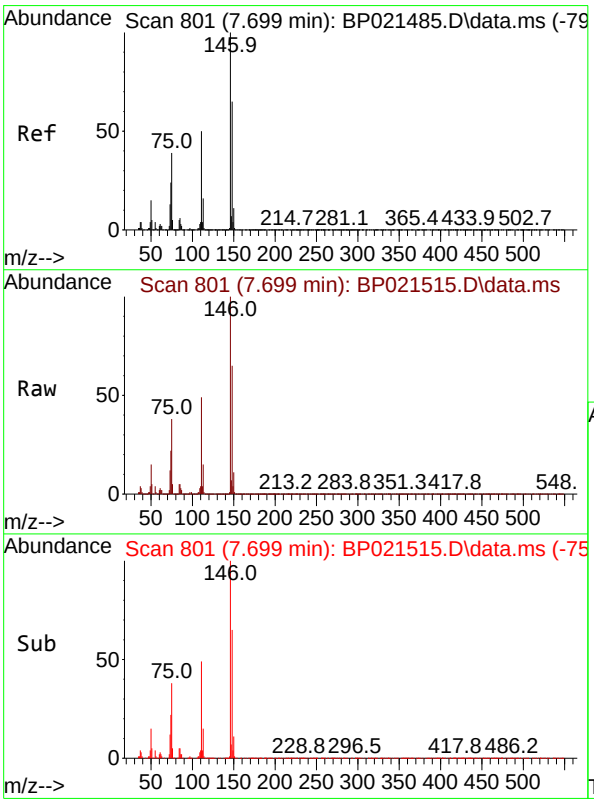
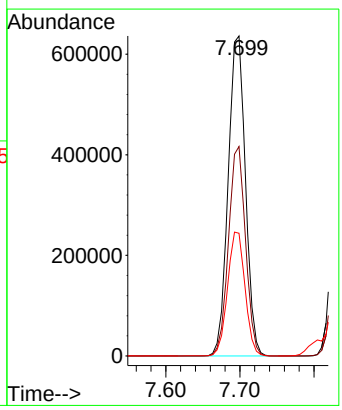
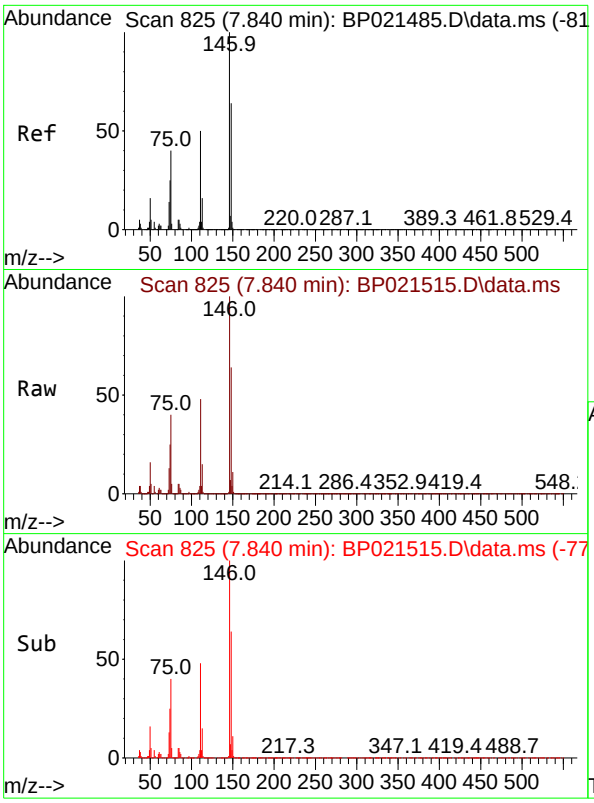


#12
1,3-Dichlorobenzene
Concen: 39.534 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:146 Resp: 1030196

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
75	38.3	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 39.379 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:146 Resp: 103619

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	47.7	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
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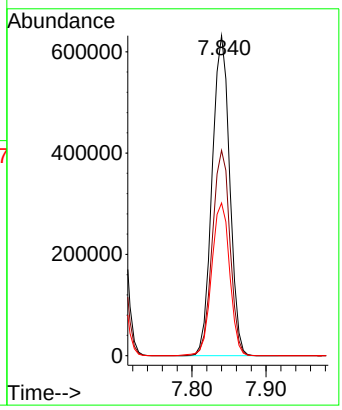
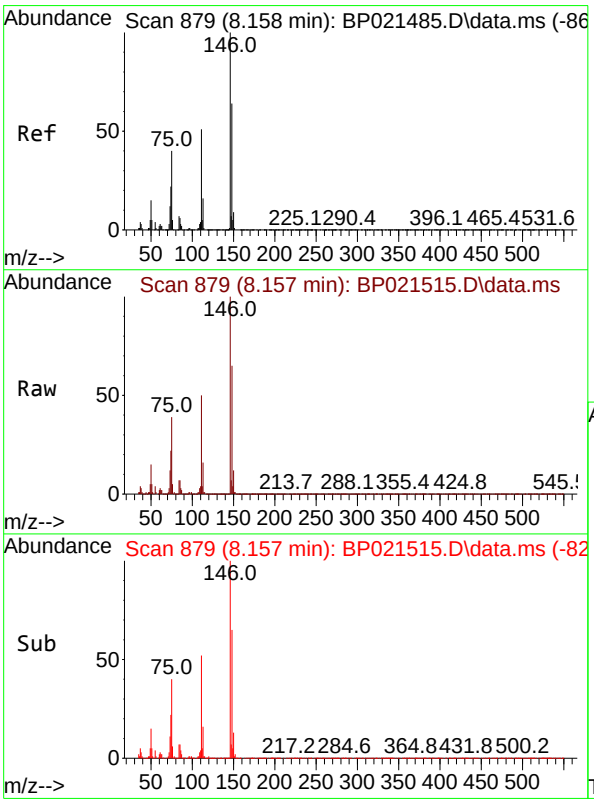
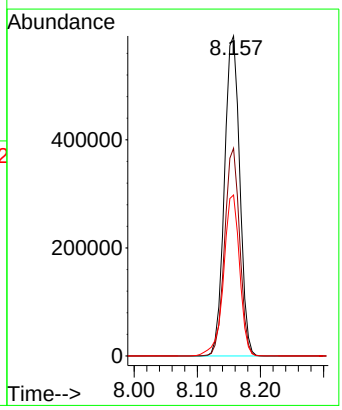


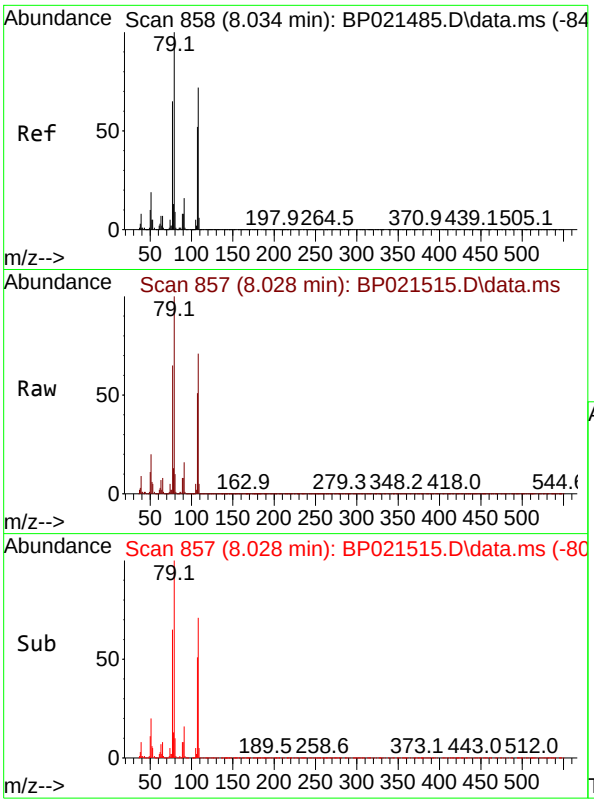


#14
1,2-Dichlorobenzene
Concen: 39.319 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:146 Resp: 997044

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.5	77.3
111	50.3	41.1	61.7

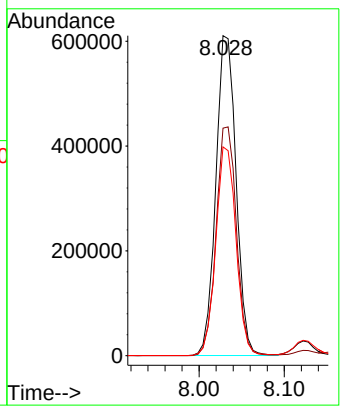




#15
Benzyl Alcohol
Concen: 40.558 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 79 Resp: 100775

Ion	Ratio	Lower	Upper
79	100		
108	71.1	57.9	86.9
77	65.3	51.8	77.8



Instrument :
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ClientSampleId :
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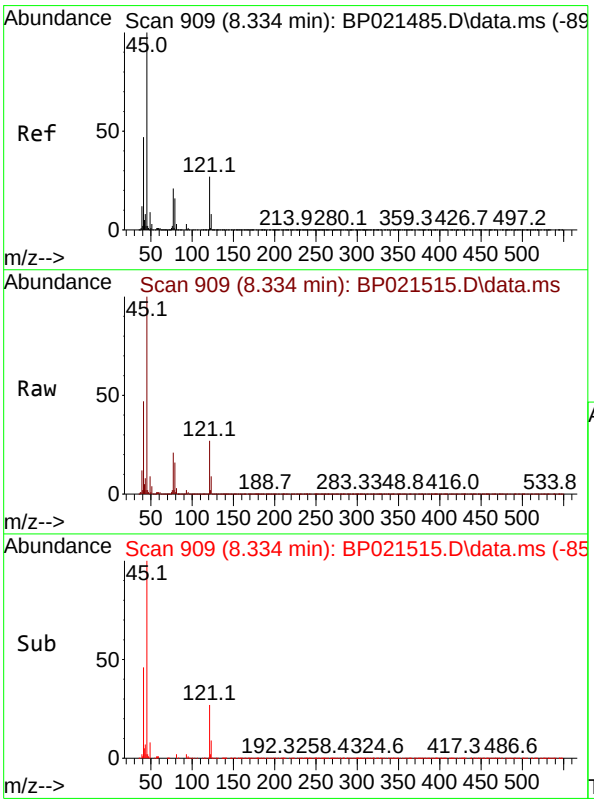
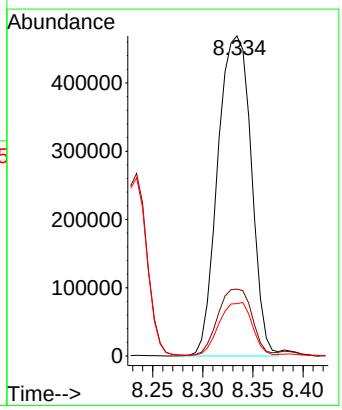
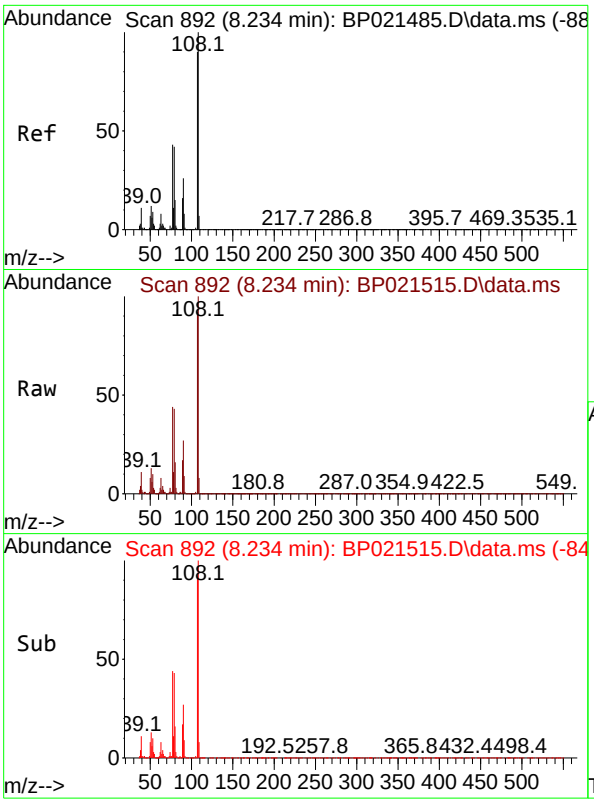


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.883 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 45 Resp: 1086528

Ion	Ratio	Lower	Upper
45	100		
77	20.9	1.9	41.9
79	16.4	0.0	36.6

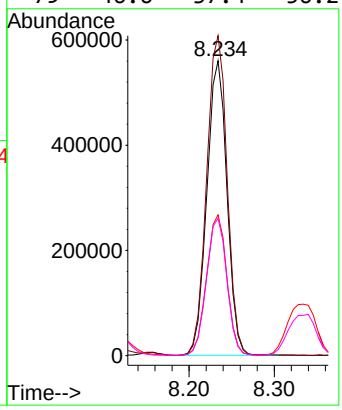




#17
2-Methylphenol
Concen: 40.526 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:107 Resp: 91874

Ion	Ratio	Lower	Upper
107	100		
108	108.5	88.8	133.2
77	47.7	38.7	58.1
79	46.6	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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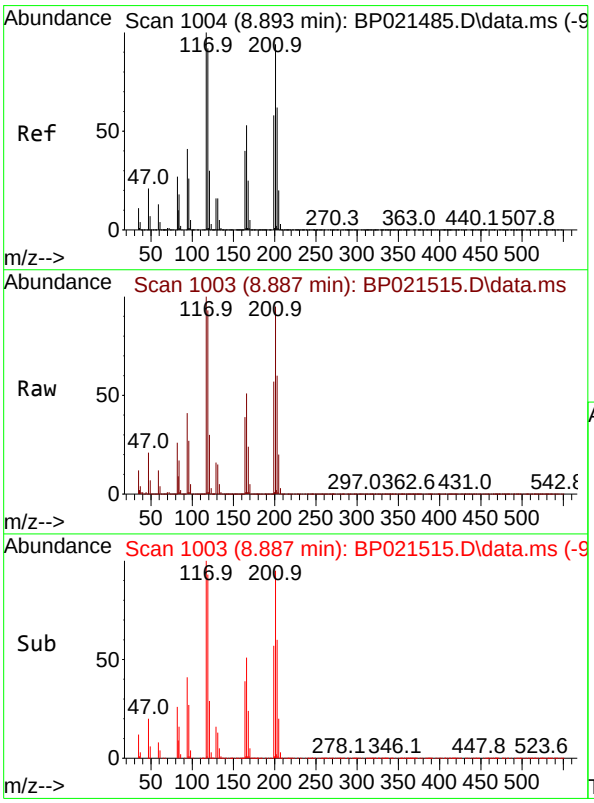
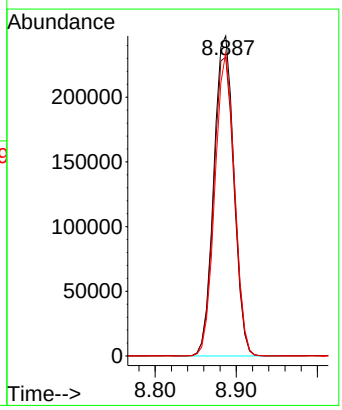
Supervised By :mohammad ahmed 08/17/2024

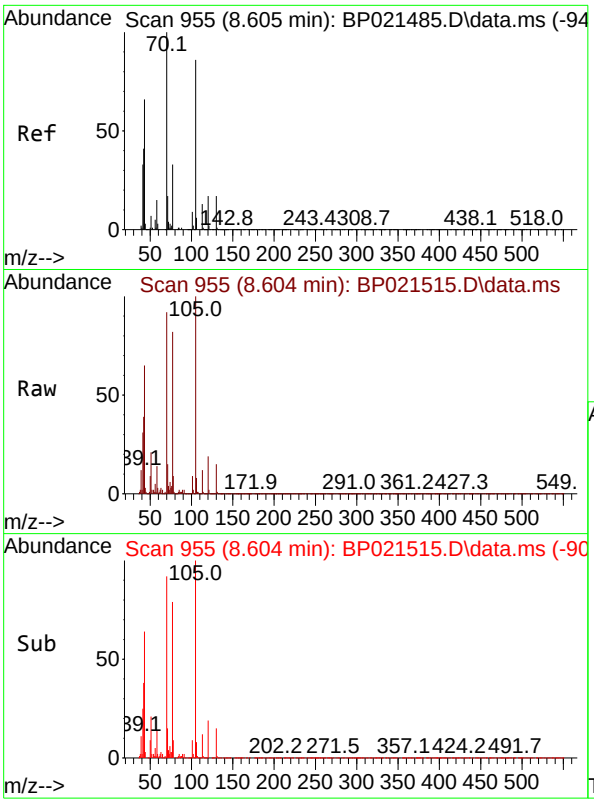


#18
Hexachloroethane
Concen: 40.569 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:117 Resp: 428073

Ion	Ratio	Lower	Upper
117	100		
119	93.4	73.9	110.9
201	94.7	74.9	112.3

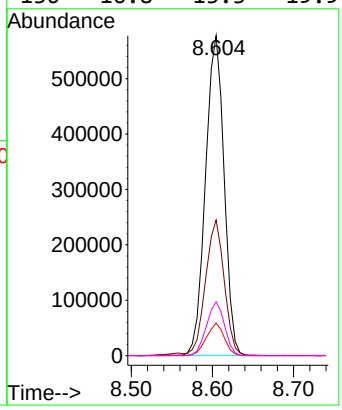




#19
n-Nitroso-di-n-propylamine
Concen: 38.203 ng
RT: 8.604 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 70 Resp: 91389

Ion	Ratio	Lower	Upper
70	100		
42	42.4	33.1	49.7
101	10.2	7.4	11.2
130	16.8	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
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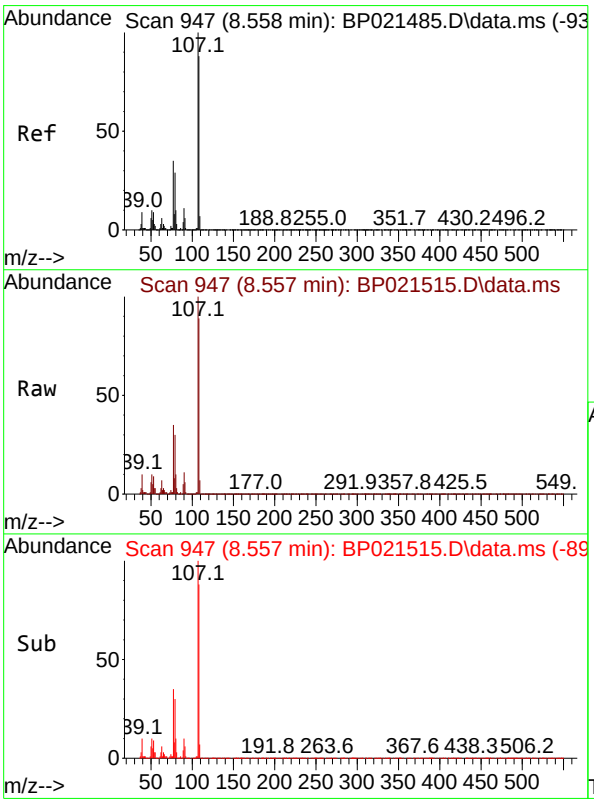
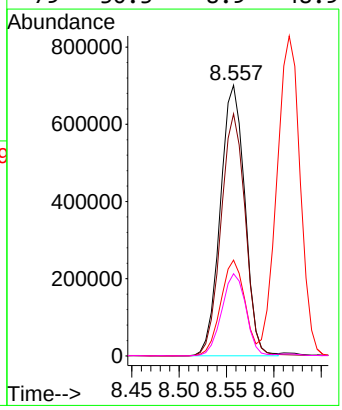
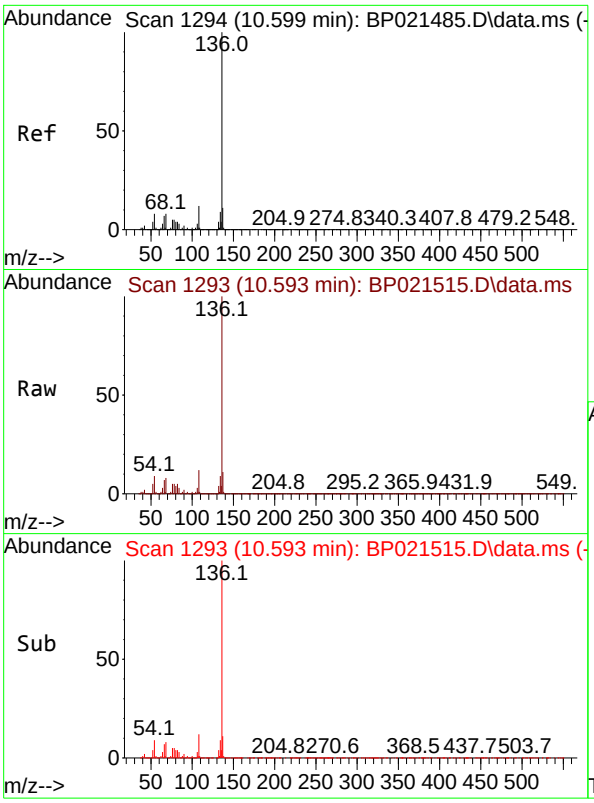


#20
3+4-Methylphenols
Concen: 41.196 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:107 Resp: 1259301

Ion	Ratio	Lower	Upper
107	100		
108	89.4	67.6	107.6
77	35.4	15.0	55.0
79	30.3	8.9	48.9

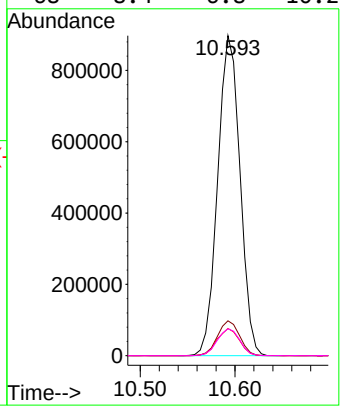




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:136 Resp: 147075

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.5	6.3	9.5
68	8.4	6.8	10.2



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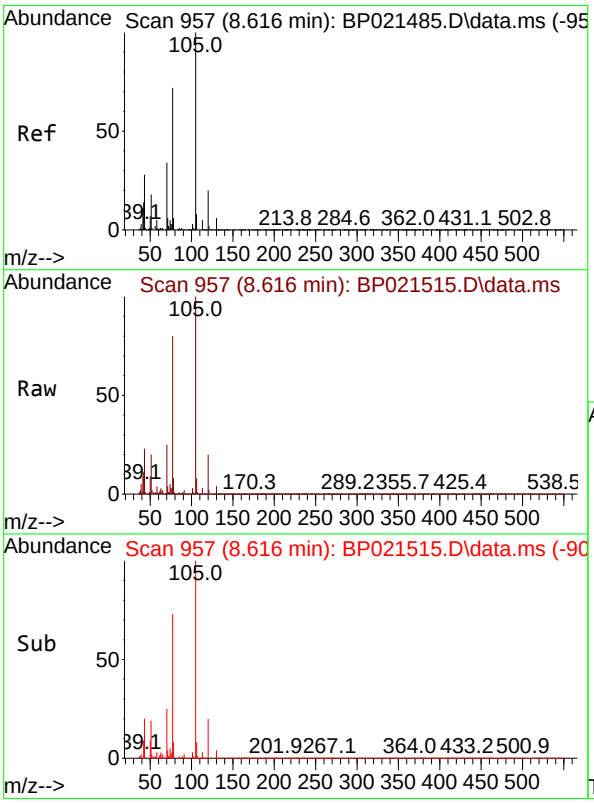
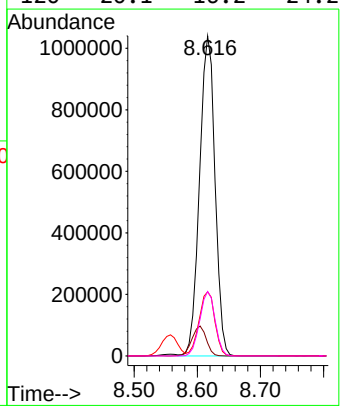
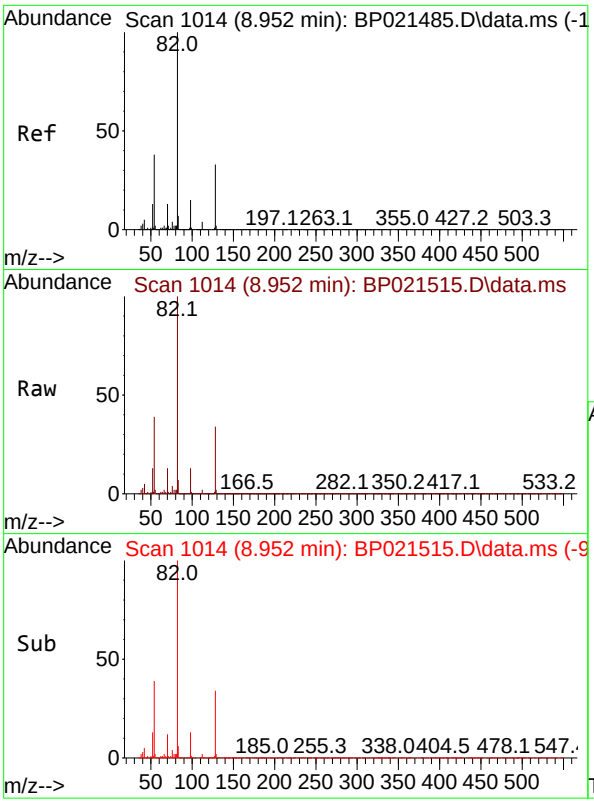


#22
Acetophenone
Concen: 39.083 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:105 Resp: 1765911

Ion	Ratio	Lower	Upper
105	100		
71	4.0	4.6	7.0#
51	20.1	16.3	24.5
120	20.1	16.2	24.2

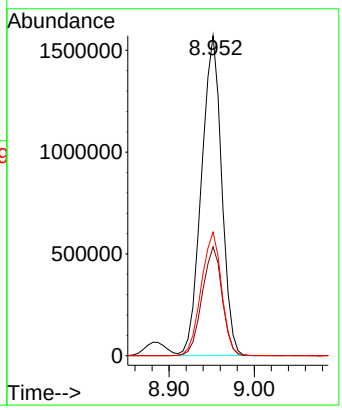




#23
Nitrobenzene-d5
Concen: 90.589 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 82 Resp: 258131

Ion	Ratio	Lower	Upper
82	100		
128	34.0	26.5	39.7
54	38.6	30.3	45.5



Instrument :
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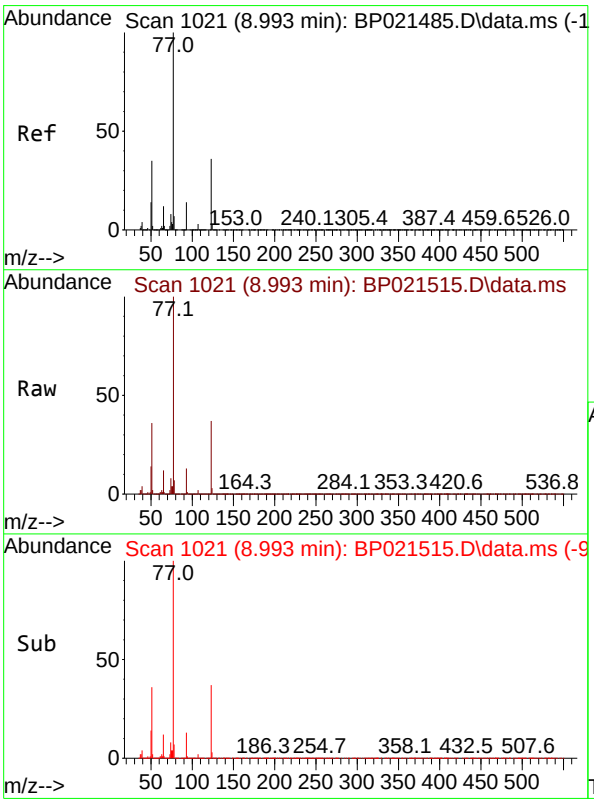
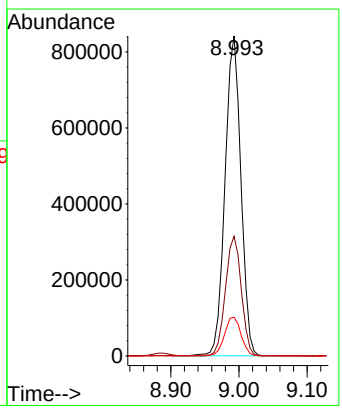
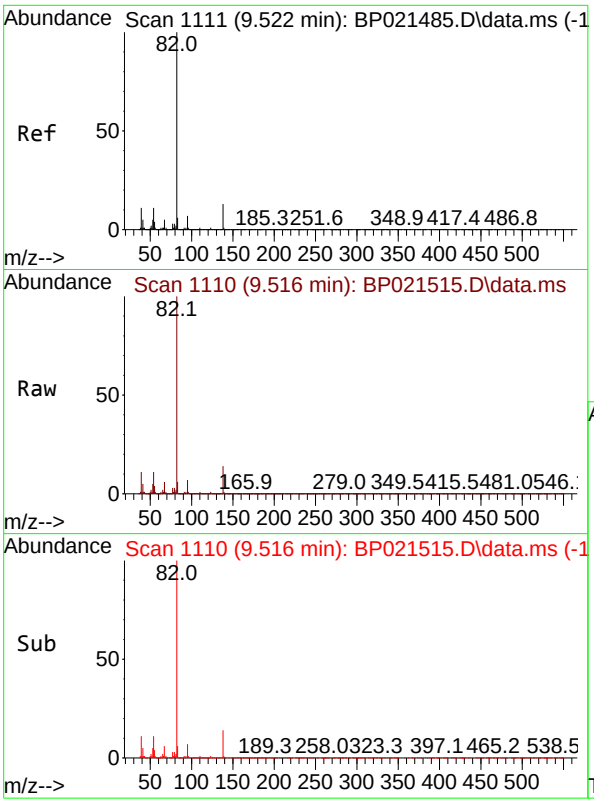


#24
Nitrobenzene
Concen: 44.076 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 77 Resp: 1364063

Ion	Ratio	Lower	Upper
77	100		
123	37.4	29.5	44.3
65	12.1	9.9	14.9

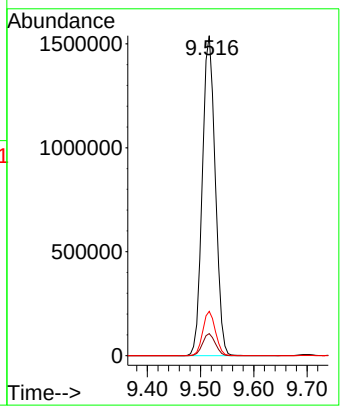




#25
Isophorone
Concen: 38.545 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 82 Resp: 259473

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	13.9	10.6	16.0



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ClientSampleId :
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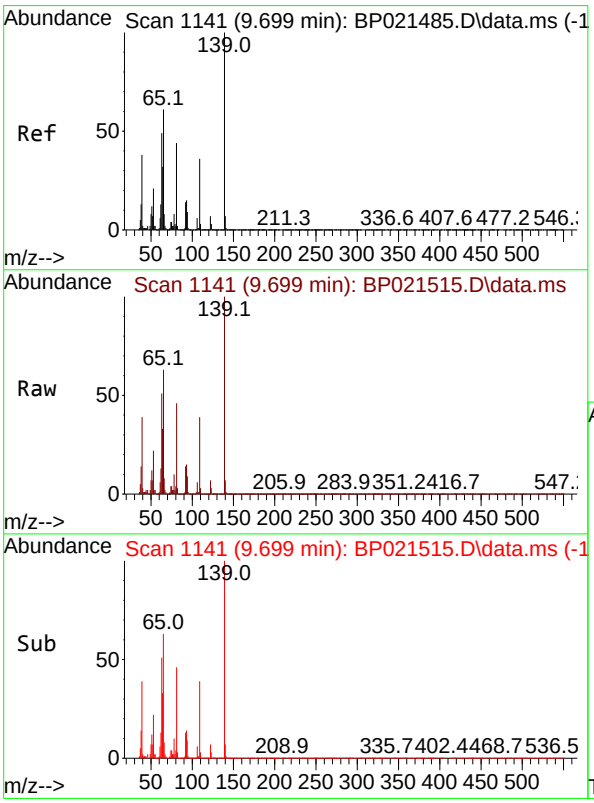
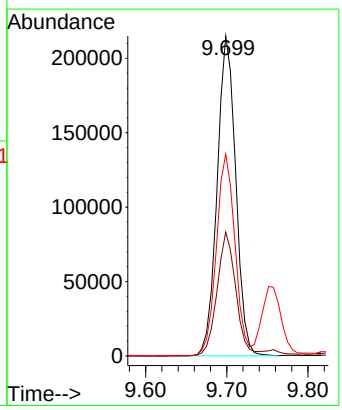
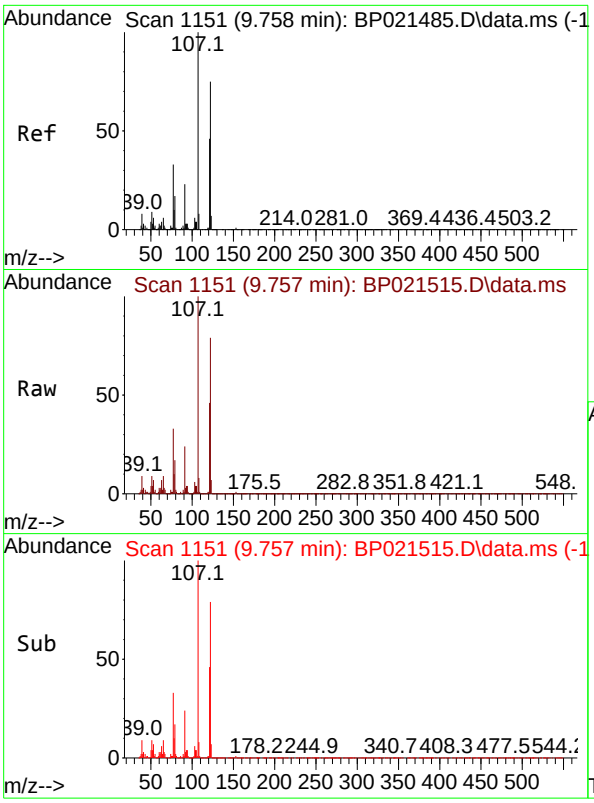


#26
2-Nitrophenol
Concen: 45.564 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:139 Resp: 342500

Ion	Ratio	Lower	Upper
139	100		
109	38.7	28.9	43.3
65	63.1	49.0	73.6

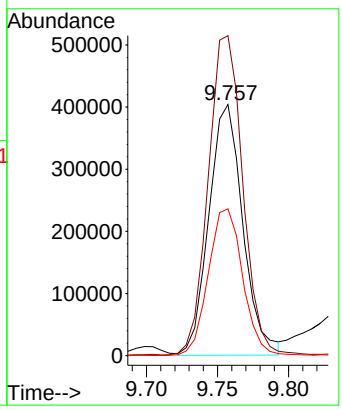




#27
2,4-Dimethylphenol
Concen: 40.514 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:122 Resp: 67305

Ion	Ratio	Lower	Upper
122	100		
107	127.4	106.2	159.4
121	58.5	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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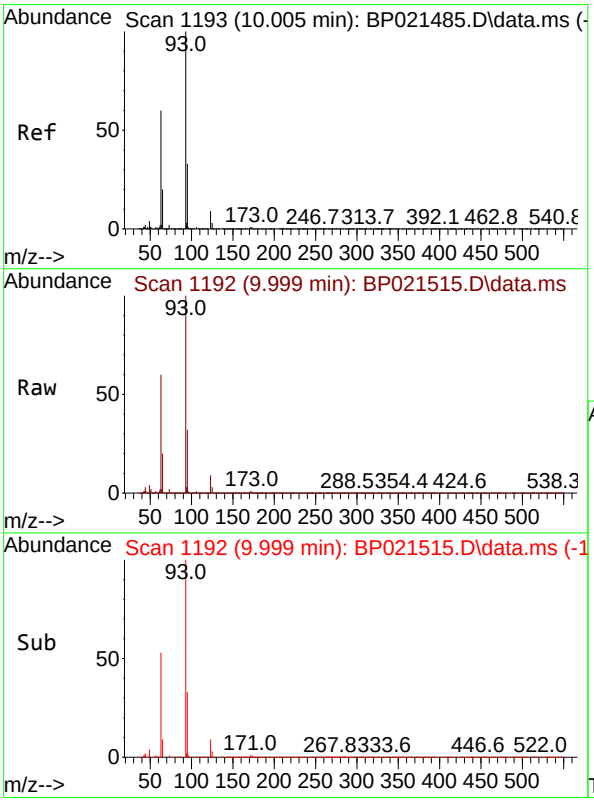
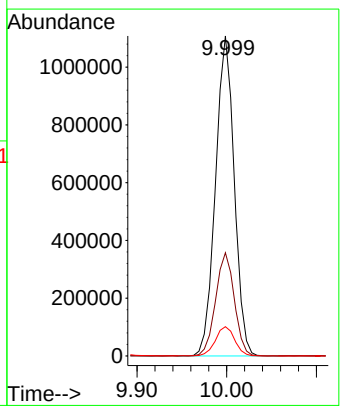
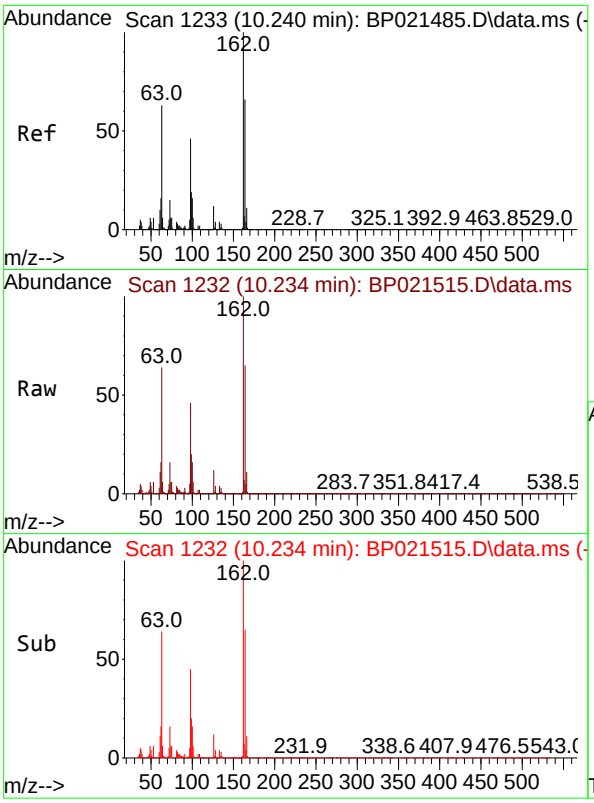


#28
bis(2-Chloroethoxy)methane
Concen: 39.035 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 93 Resp: 1604015

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	9.1	7.6	11.4

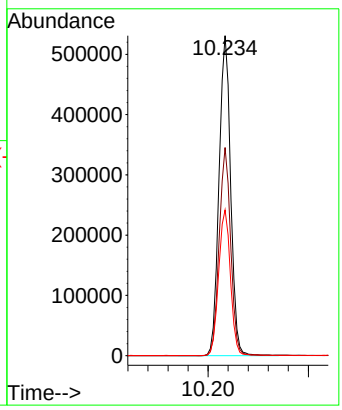




#29
2,4-Dichlorophenol
Concen: 43.498 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:162 Resp: 85381

Ion	Ratio	Lower	Upper
162	100		
164	65.1	45.9	85.9
98	45.5	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
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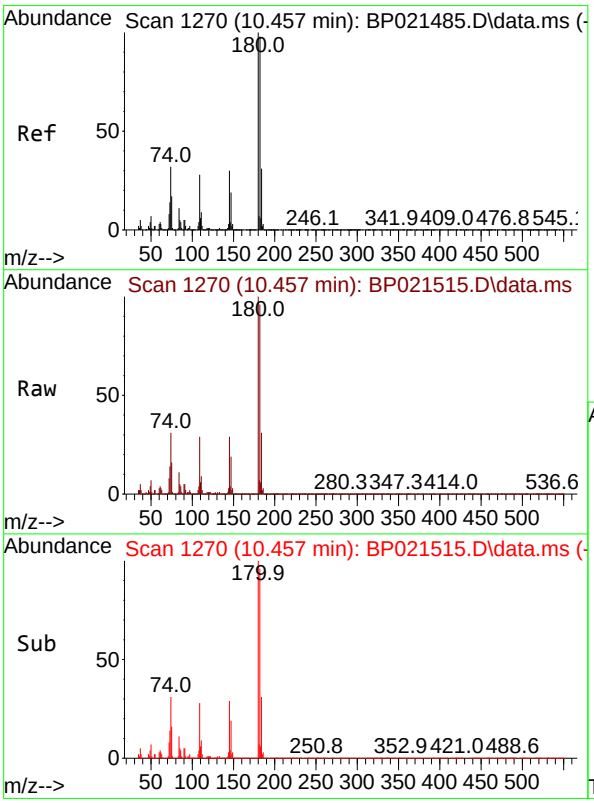
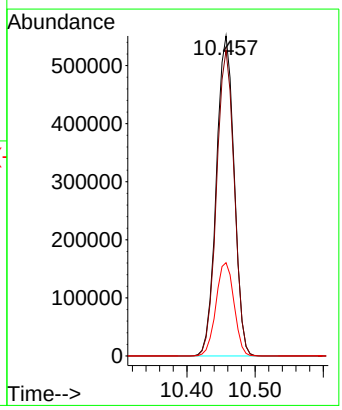
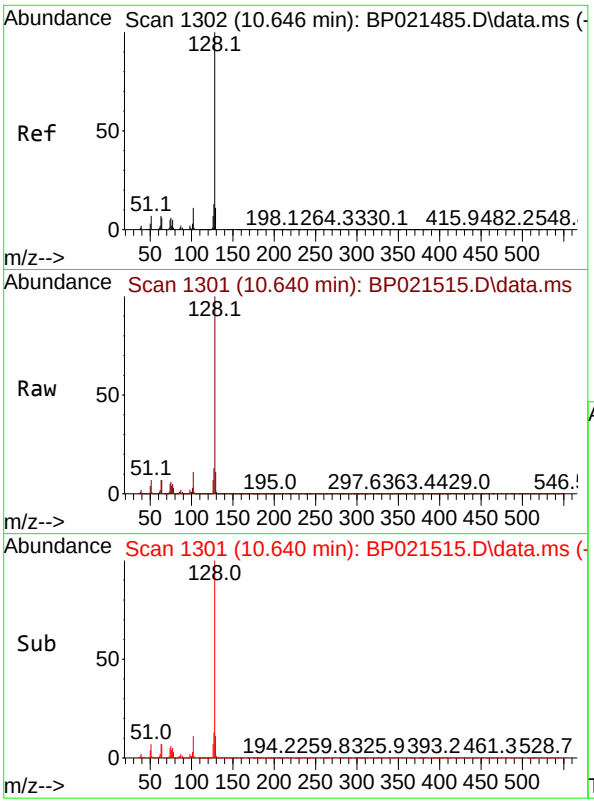


#30
1,2,4-Trichlorobenzene
Concen: 39.703 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:180 Resp: 999131

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.3	117.5
145	29.2	24.0	36.0

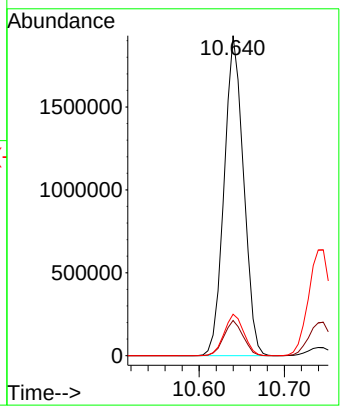




#31
Naphthalene
Concen: 39.804 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:128 Resp: 305821

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	12.9	10.6	15.8



Instrument :
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ClientSampleId :
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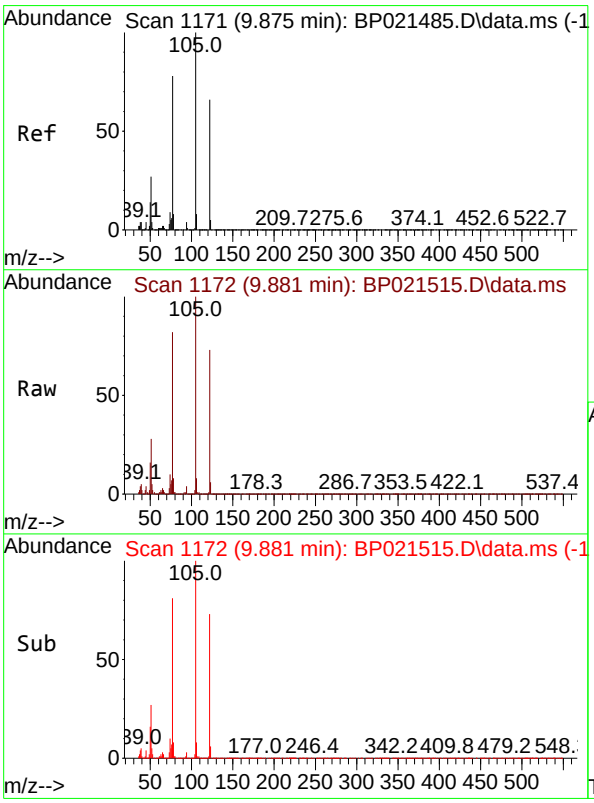
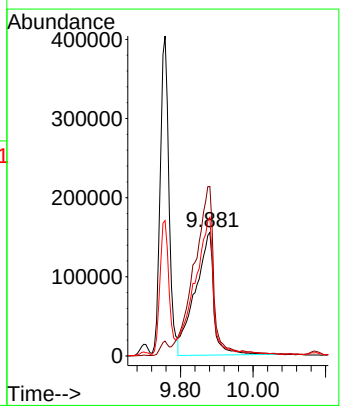
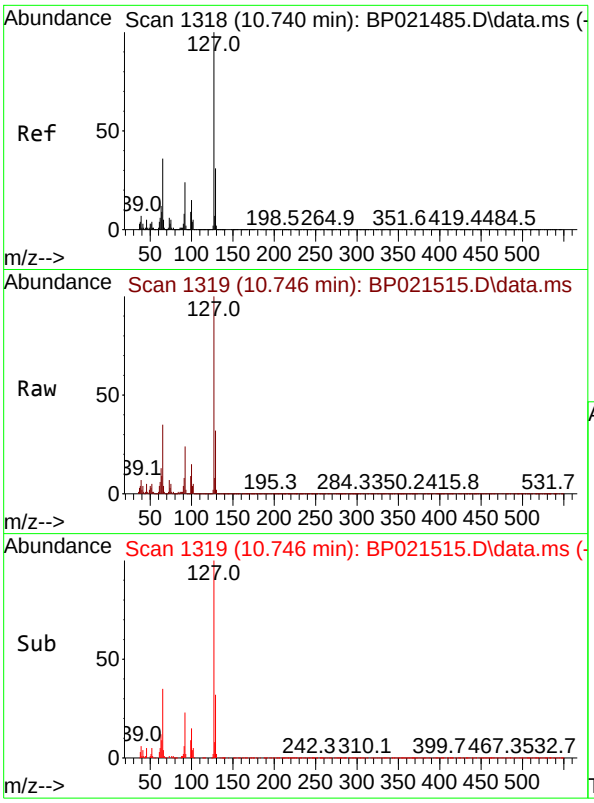


#32
Benzoic acid
Concen: 49.992 ng
RT: 9.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:122 Resp: 551734

Ion	Ratio	Lower	Upper
122	100		
105	137.2	124.6	164.6
77	112.1	96.2	136.2

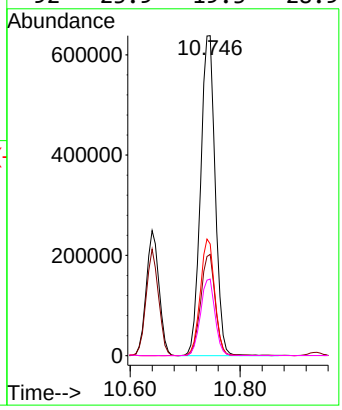




#33
4-Chloroaniline
Concen: 40.717 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:127 Resp: 117513

Ion	Ratio	Lower	Upper
127	100		
129	31.6	24.5	36.7
65	34.9	28.9	43.3
92	23.9	19.3	28.9



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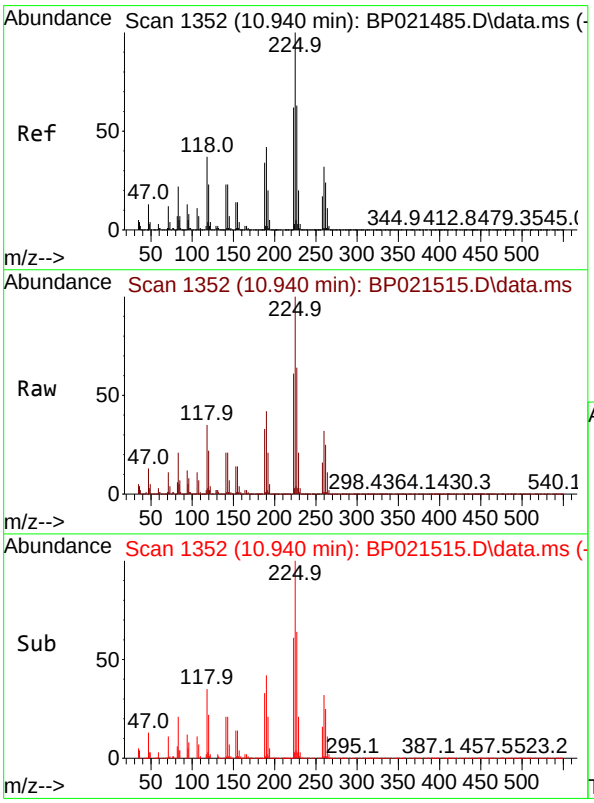
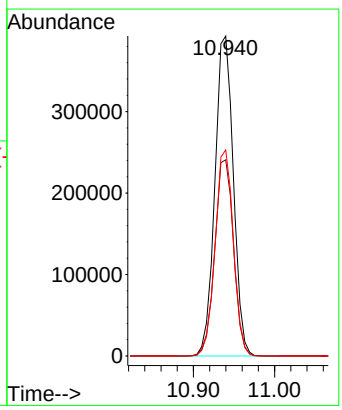
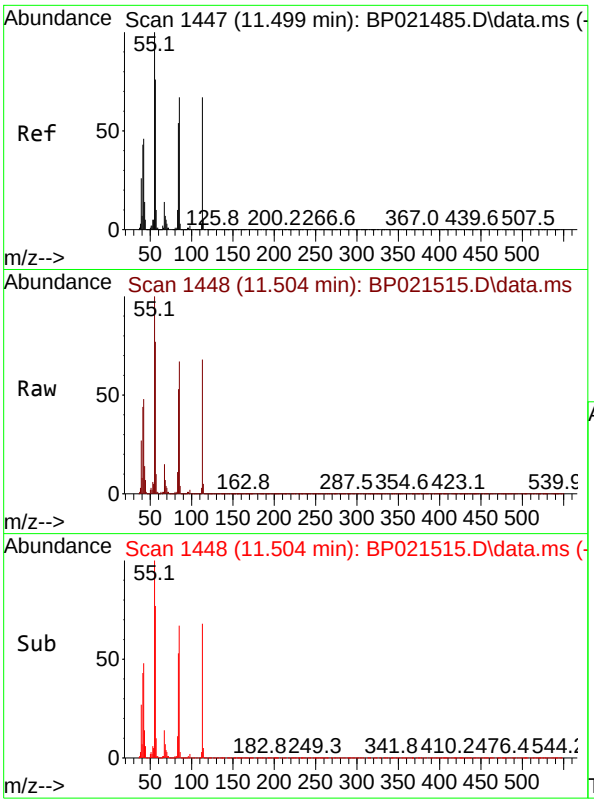


#34
Hexachlorobutadiene
Concen: 39.188 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:225 Resp: 620933

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.6	74.4
227	64.4	50.1	75.1

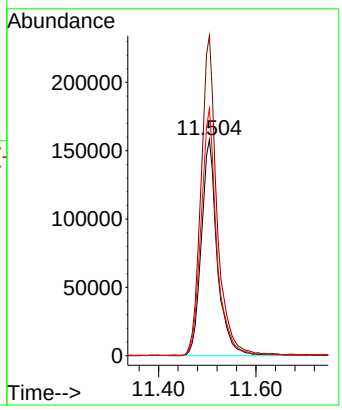




#35
Caprolactam
Concen: 43.743 ng
RT: 11.504 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:113 Resp: 35738

Ion	Ratio	Lower	Upper
113	100		
55	148.1	130.6	170.6
56	114.3	94.6	134.6



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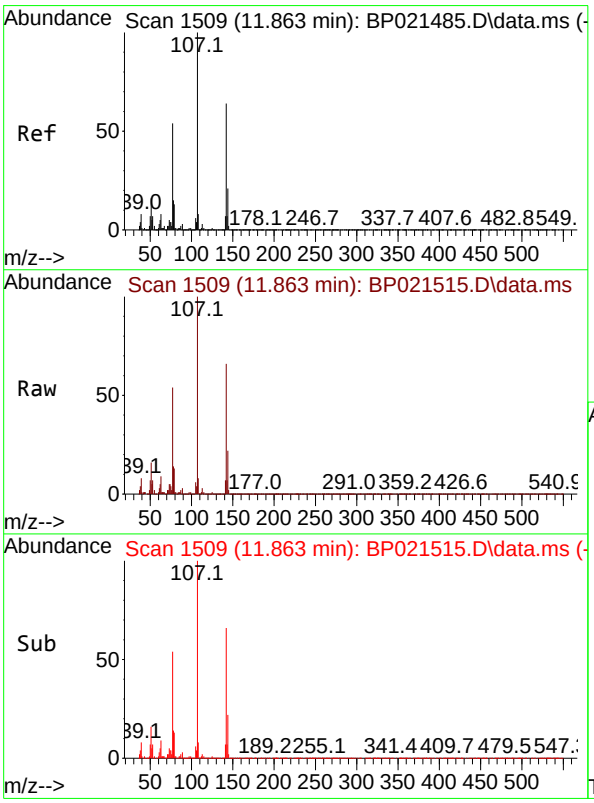
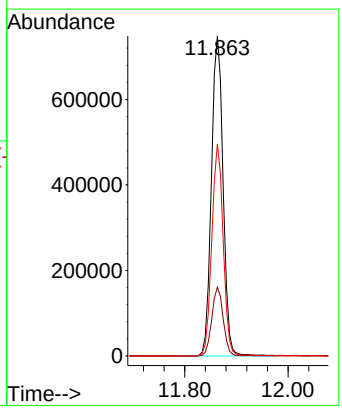
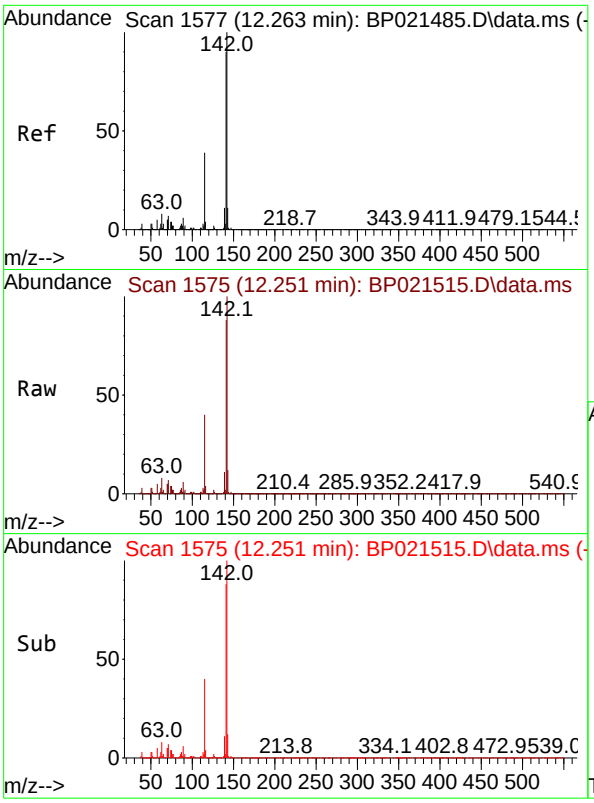


#36
4-Chloro-3-methylphenol
Concen: 43.006 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:107 Resp: 1170990

Ion	Ratio	Lower	Upper
107	100		
144	21.5	16.6	24.8
142	66.3	51.0	76.4

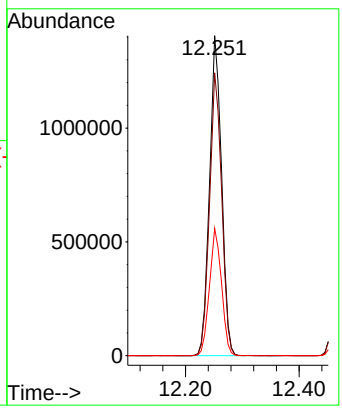




#37
2-Methylnaphthalene
Concen: 39.324 ng
RT: 12.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:142 Resp: 206204

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	39.8	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
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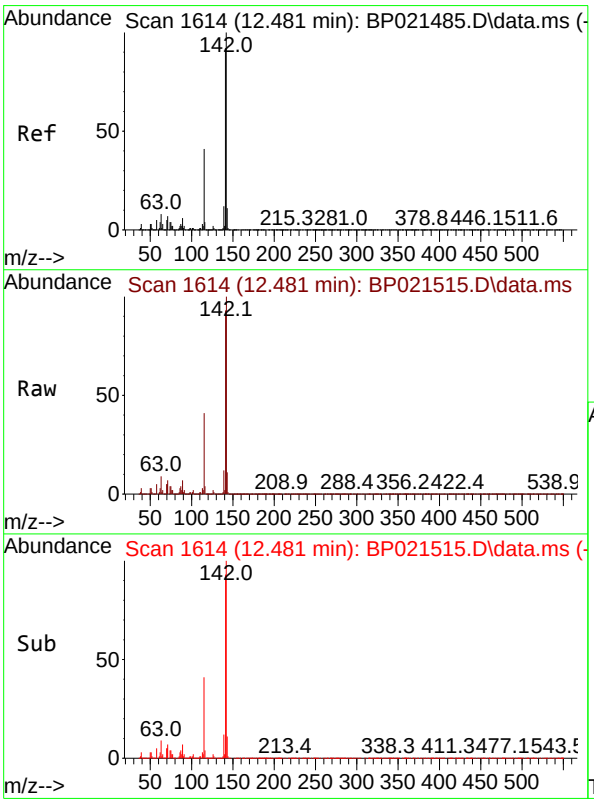
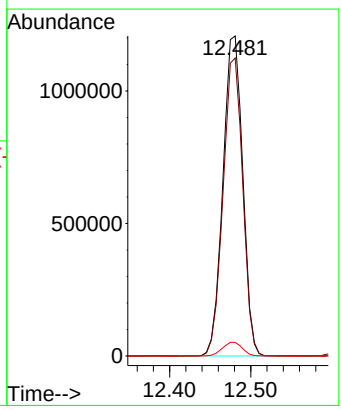
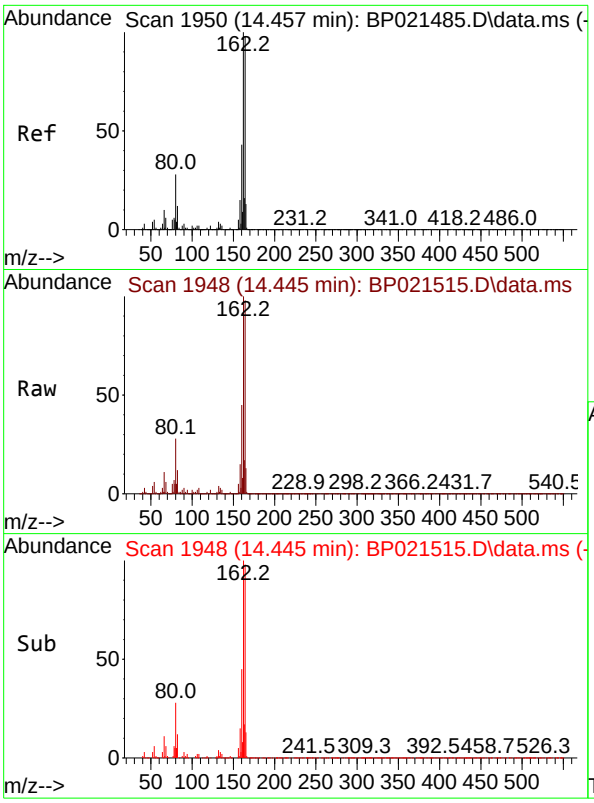


#38
1-Methylnaphthalene
Concen: 39.539 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:142 Resp: 2044874

Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.5	110.3
116	4.3	3.4	5.2

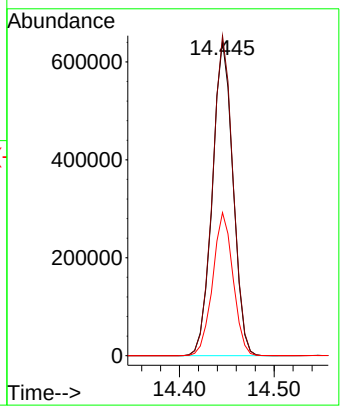




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:164 Resp: 96987

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.5	122.3
160	45.5	35.2	52.8



Instrument :
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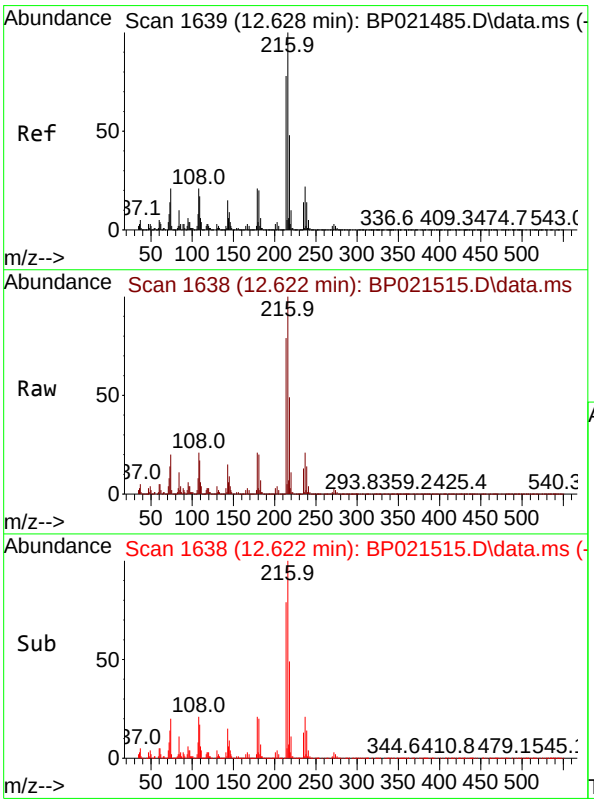
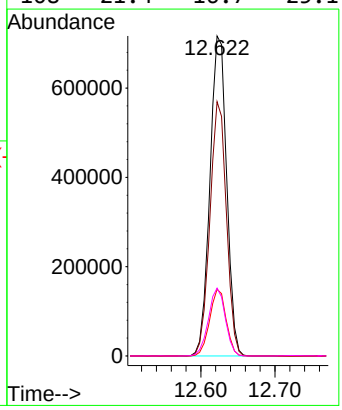
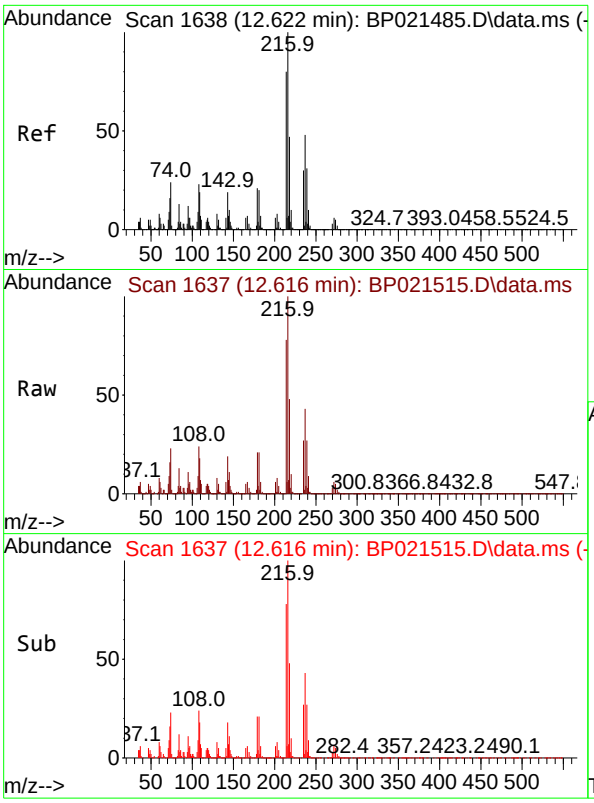


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.477 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:216 Resp: 1121844

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.5	93.7
179	20.5	16.4	24.6
108	21.4	16.7	25.1

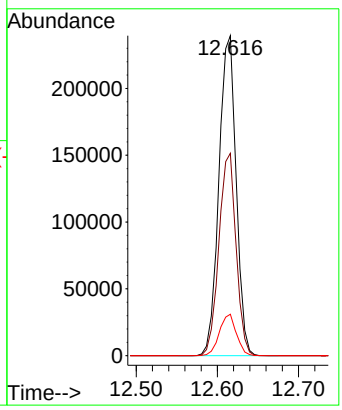




#41
Hexachlorocyclopentadiene
Concen: 39.224 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:237 Resp: 35327

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.9	83.9
272	12.9	0.0	33.3



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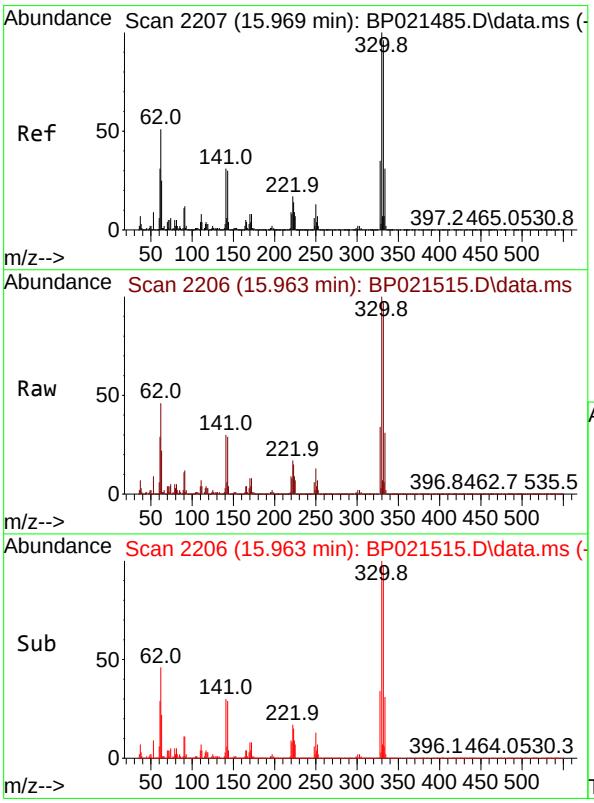
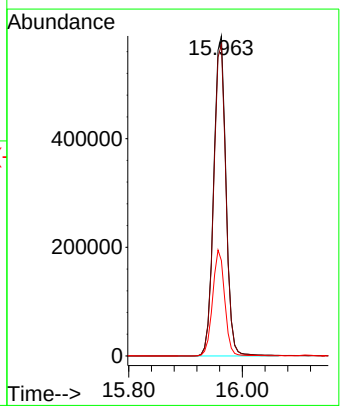
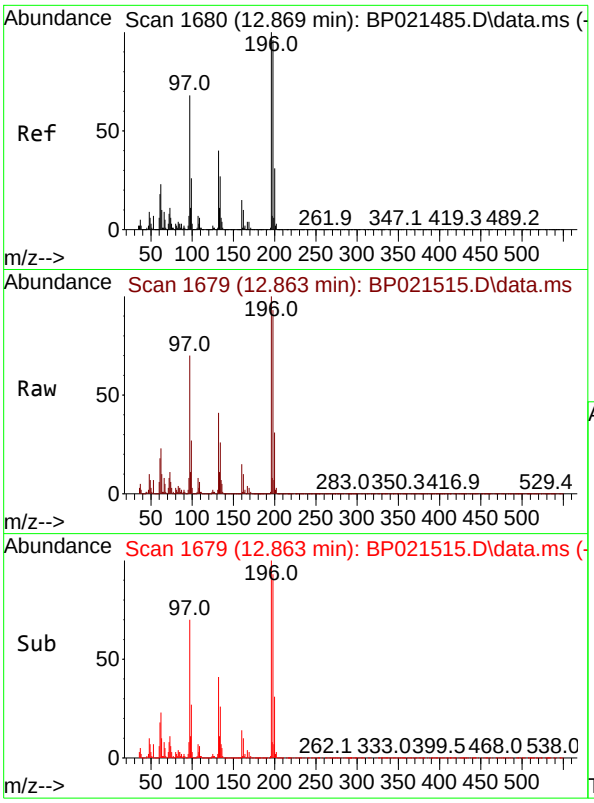


#42
2,4,6-Tribromophenol
Concen: 81.327 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:330 Resp: 877862

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	32.9	24.5	36.7

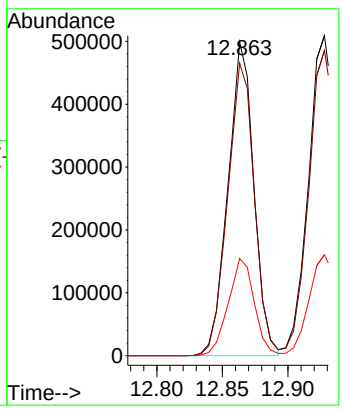




#43
2,4,6-Trichlorophenol
Concen: 43.465 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:196 Resp: 68610

Ion	Ratio	Lower	Upper
196	100		
198	93.2	76.6	114.8
200	31.0	24.5	36.7



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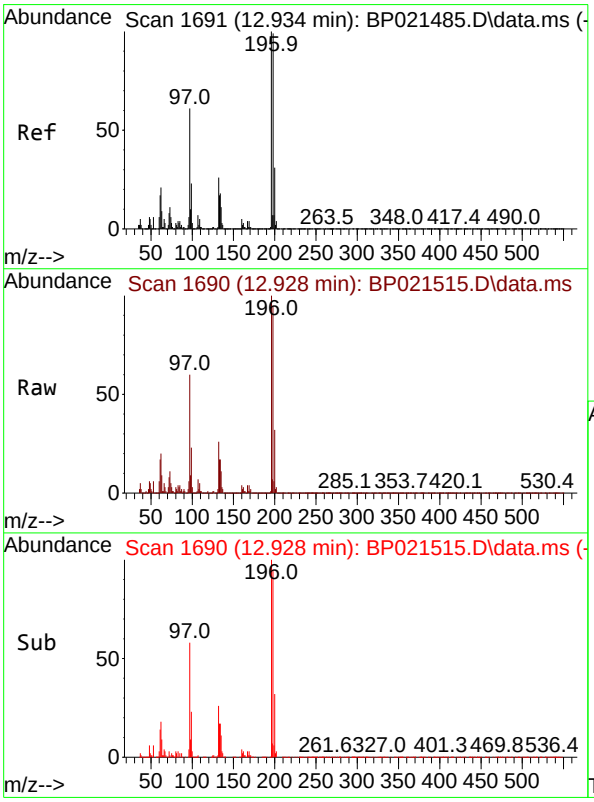
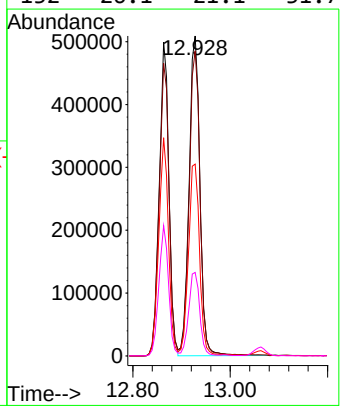
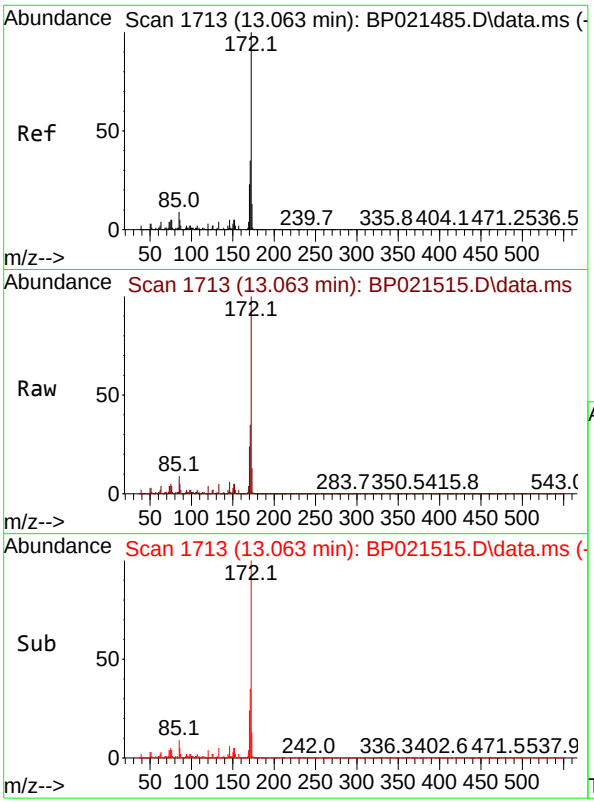


#44
2,4,5-Trichlorophenol
Concen: 45.100 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:196 Resp: 790979

Ion	Ratio	Lower	Upper
196	100		
198	95.4	78.9	118.3
97	59.9	49.4	74.0
132	26.1	21.1	31.7

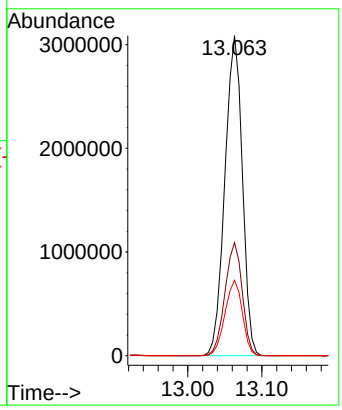




#45
2-Fluorobiphenyl
Concen: 79.374 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:172 Resp: 504423

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.5	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
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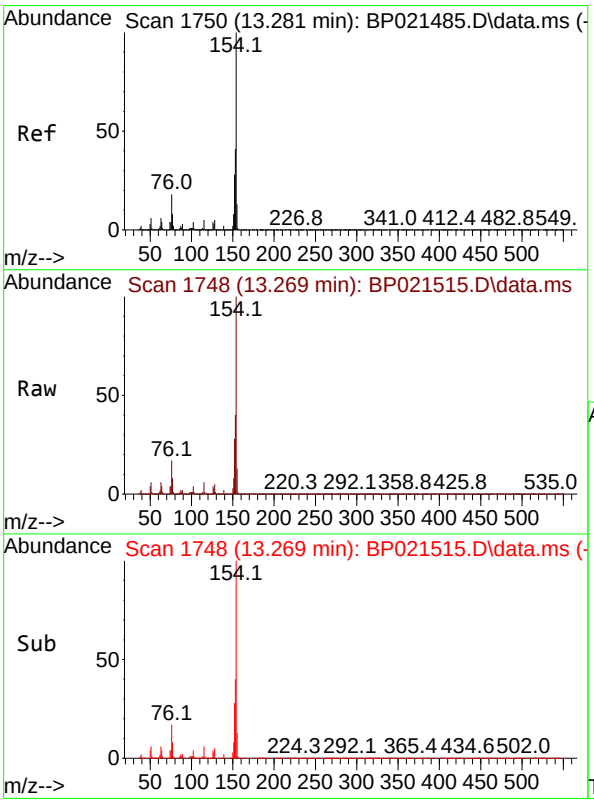
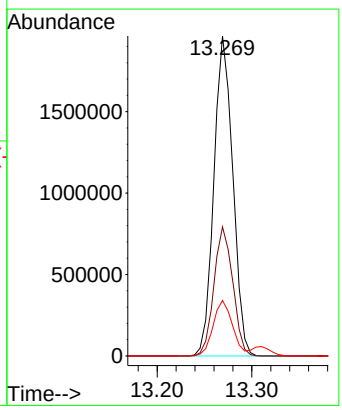
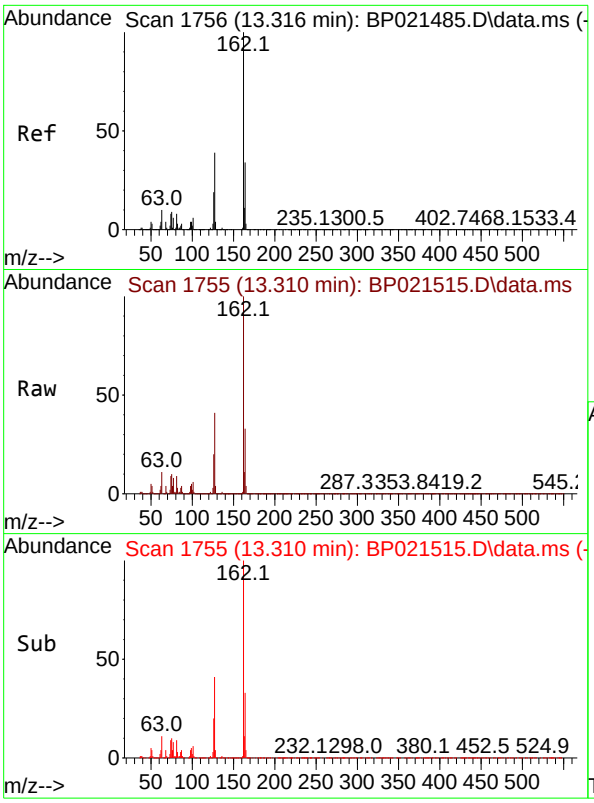


#46
1,1'-Biphenyl
Concen: 39.694 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:154 Resp: 2723776

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.7	60.7
76	17.4	0.0	37.7

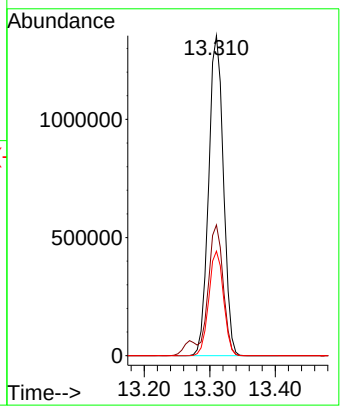




#47
2-Chloronaphthalene
Concen: 39.608 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:162 Resp: 211595

Ion	Ratio	Lower	Upper
162	100		
127	40.8	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
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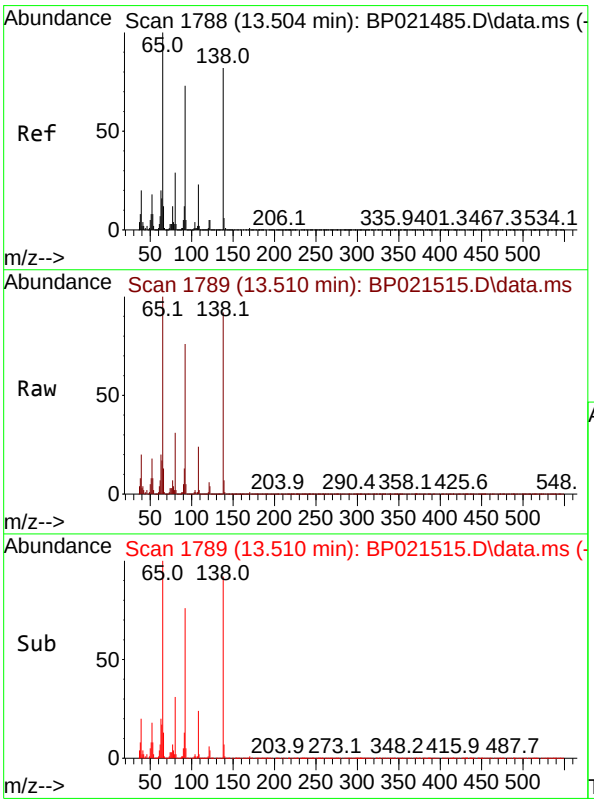
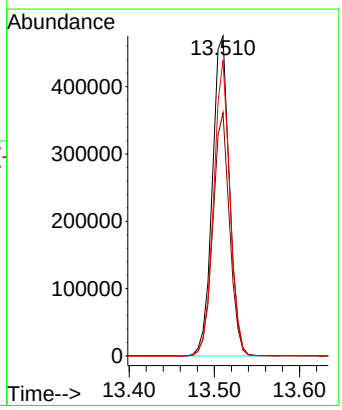
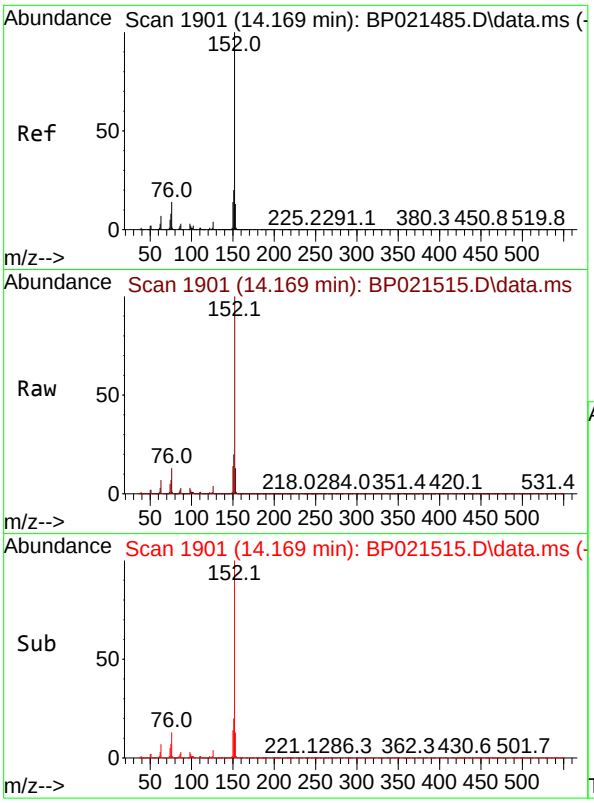


#48
2-Nitroaniline
Concen: 44.587 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 65 Resp: 661450

Ion	Ratio	Lower	Upper
65	100		
92	76.0	58.1	87.1
138	92.4	65.5	98.3

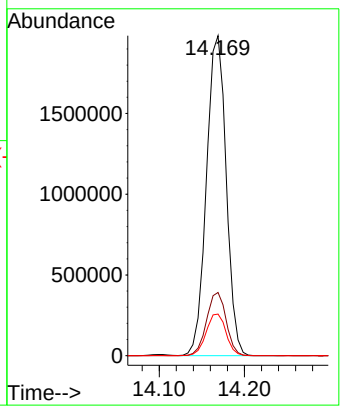




#49
Acenaphthylene
Concen: 40.538 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:152 Resp: 318360

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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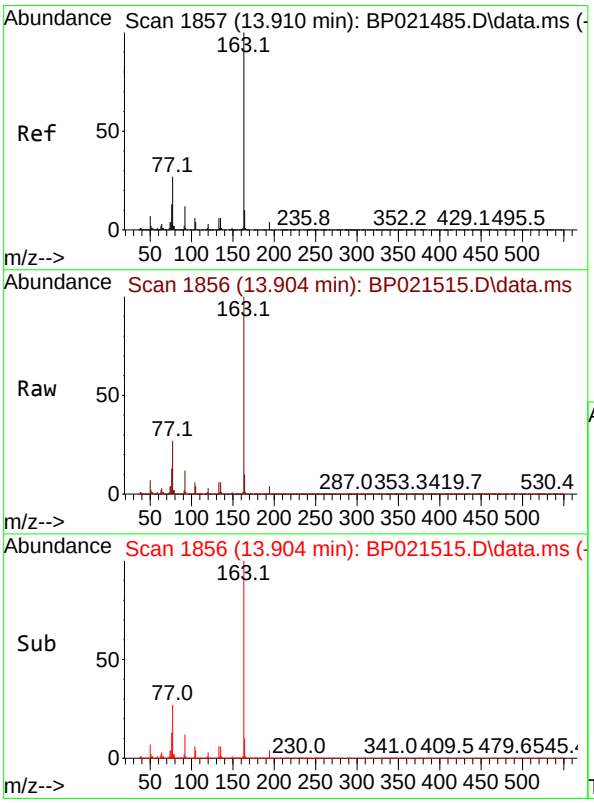
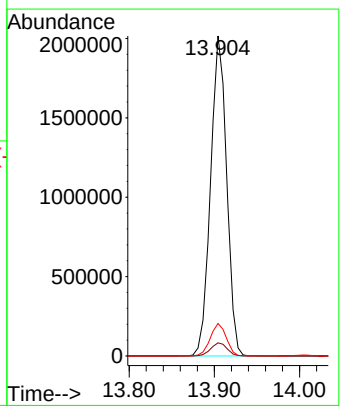
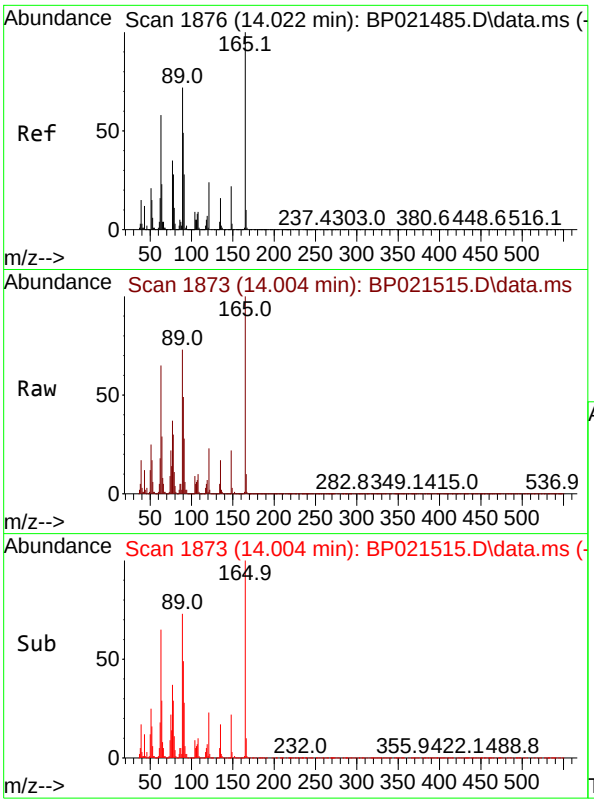


#50
Dimethylphthalate
Concen: 40.806 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:163 Resp: 2650366

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 44.191 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:165 Resp: 57454

Ion	Ratio	Lower	Upper
165	100		
63	65.1	51.5	77.3
89	73.1	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
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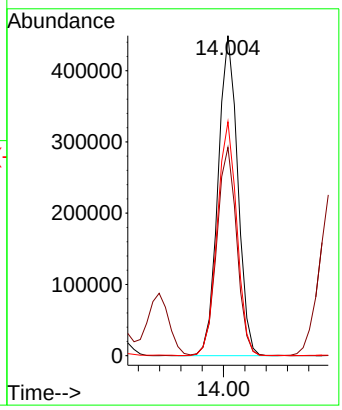
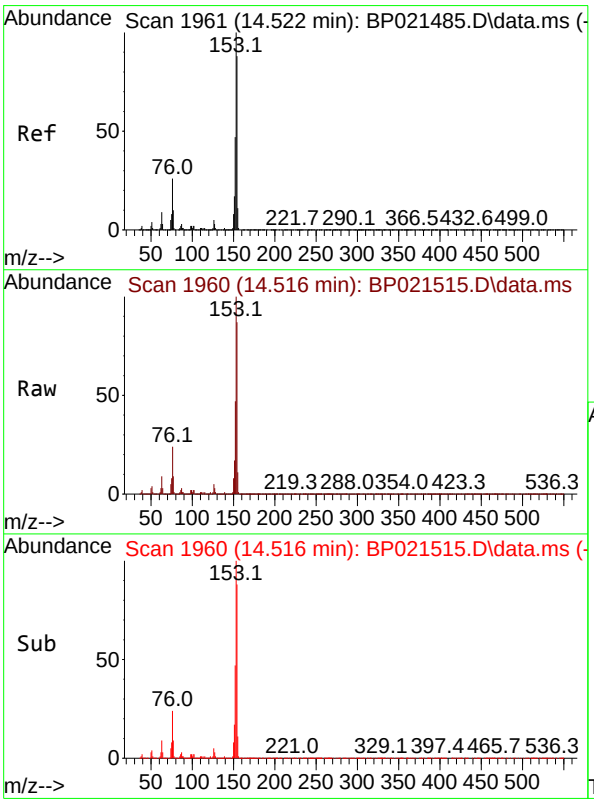
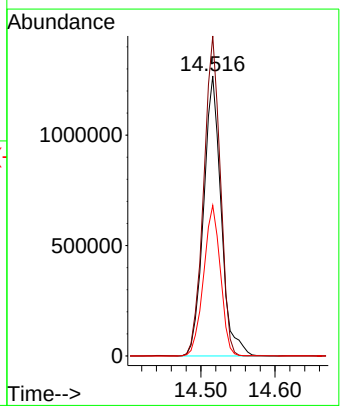


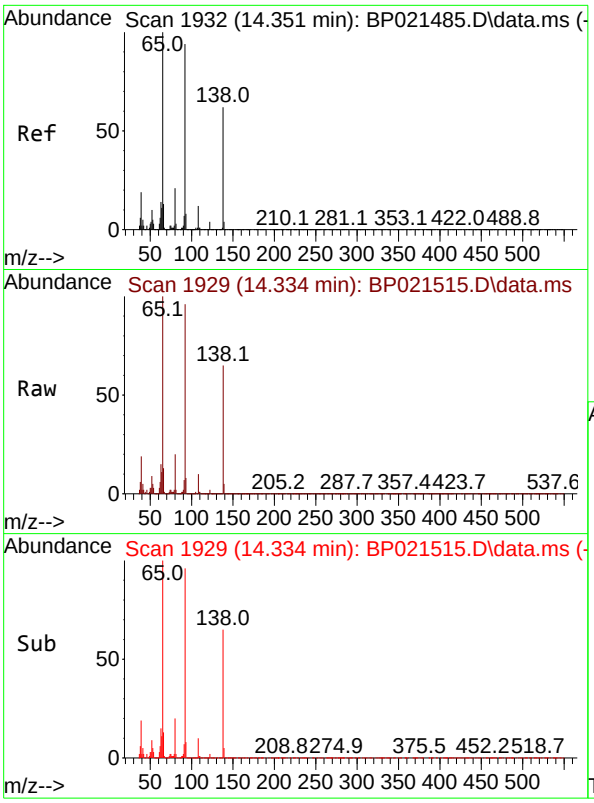


#52
Acenaphthene
Concen: 40.528 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:154 Resp: 2088336

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.1	136.7
152	53.8	43.0	64.4

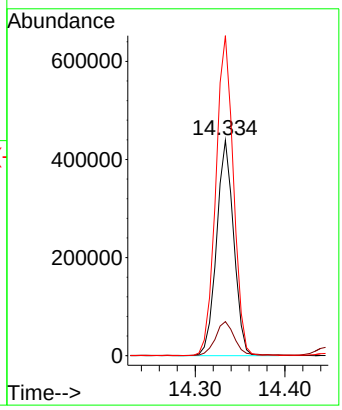




#53
3-Nitroaniline
Concen: 45.344 ng
RT: 14.334 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:138 Resp: 58103

Ion	Ratio	Lower	Upper
138	100		
108	15.8	16.2	24.4
92	148.6	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
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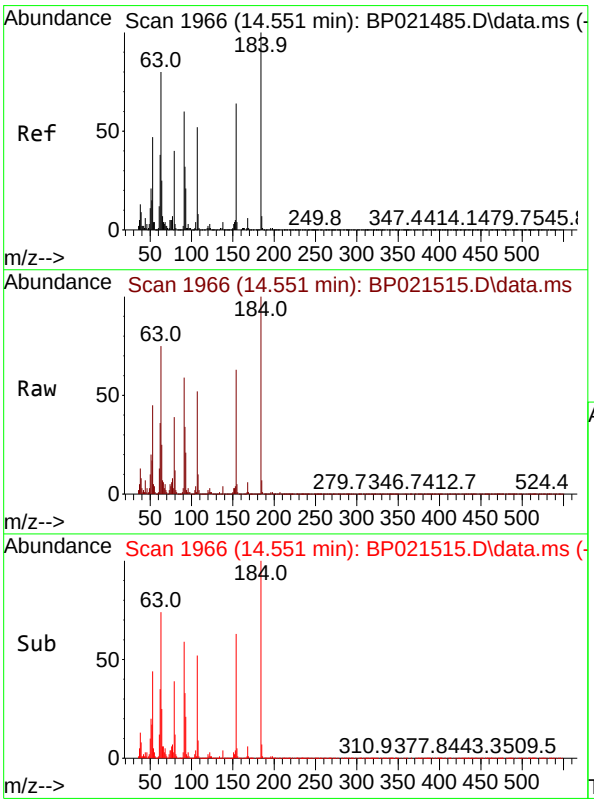
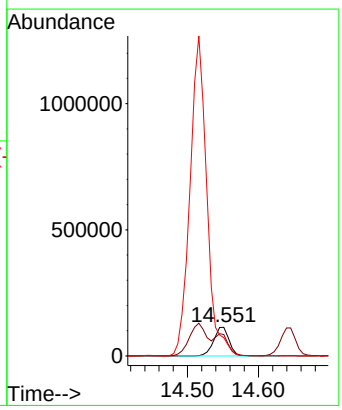
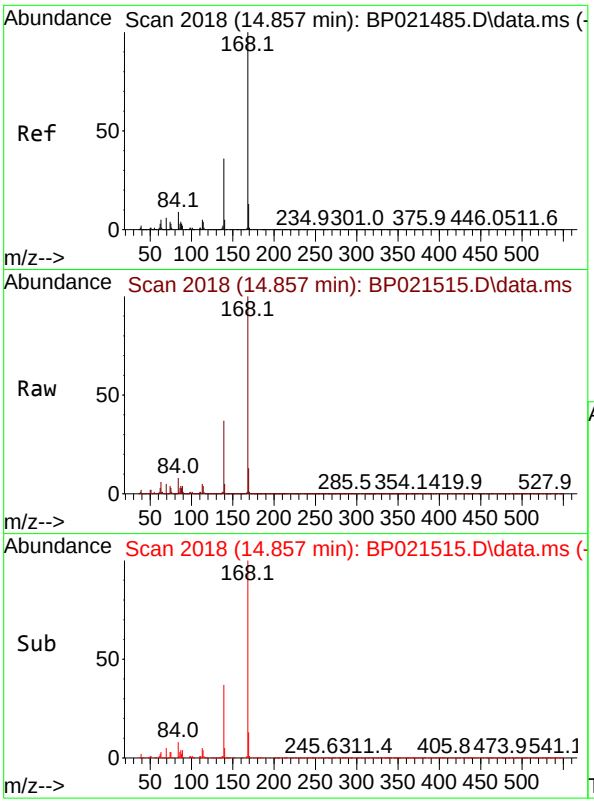


#54
2,4-Dinitrophenol
Concen: 48.146 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:184 Resp: 171879

Ion	Ratio	Lower	Upper
184	100		
63	74.5	64.9	97.3
154	63.4	52.1	78.1

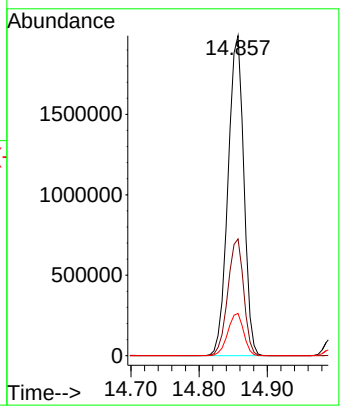




#55
Dibenzofuran
Concen: 40.462 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:168 Resp: 320731

Ion	Ratio	Lower	Upper
168	100		
139	36.5	28.6	43.0
169	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
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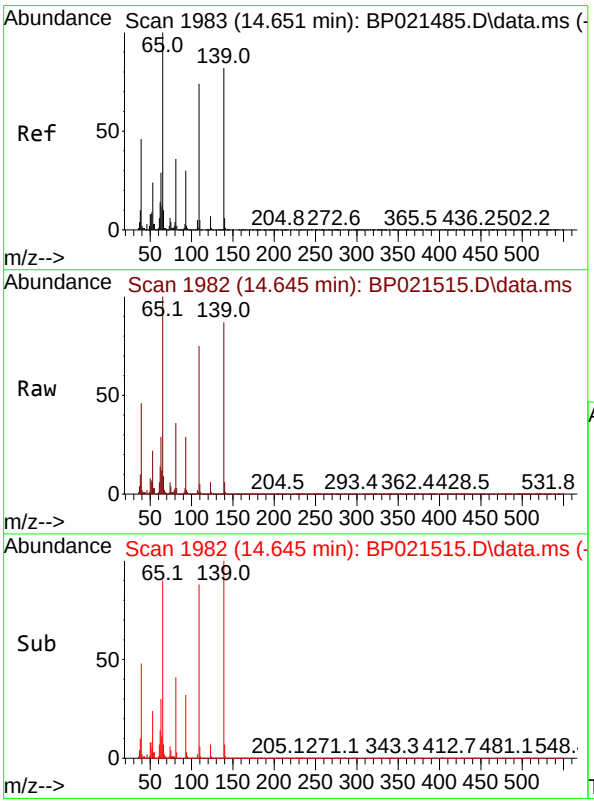
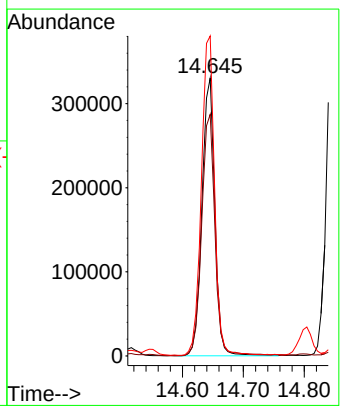
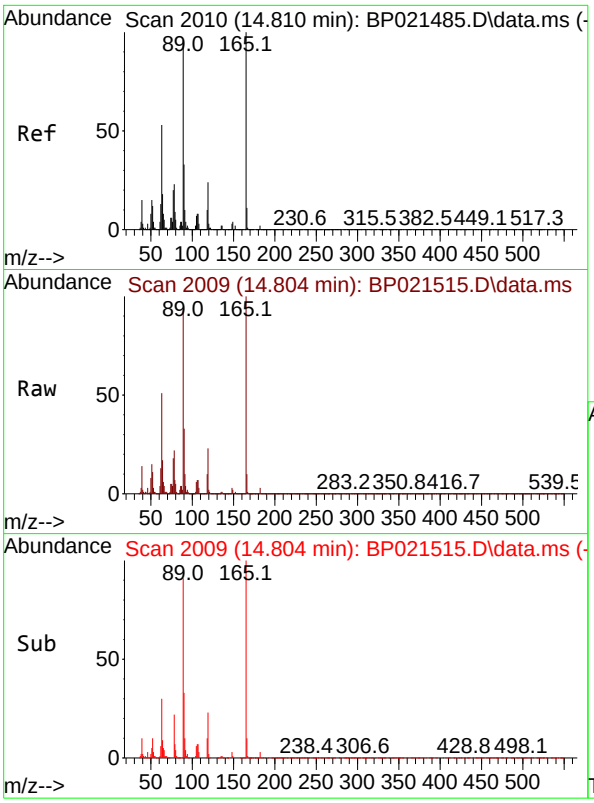


#56
4-Nitrophenol
Concen: 47.162 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:139 Resp: 484056

Ion	Ratio	Lower	Upper
139	100		
109	86.9	70.2	110.2
65	115.1	101.8	141.8

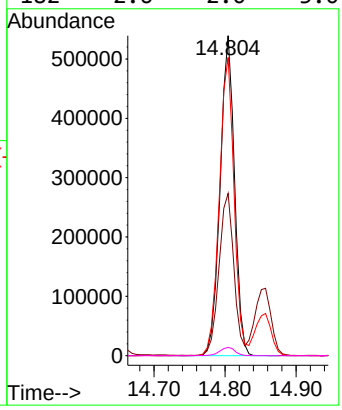




#57
2,4-Dinitrotoluene
Concen: 45.473 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:165 Resp: 75294

Ion	Ratio	Lower	Upper
165	100		
63	50.7	42.5	63.7
89	93.2	77.1	115.7
182	2.6	2.0	3.0



Instrument :
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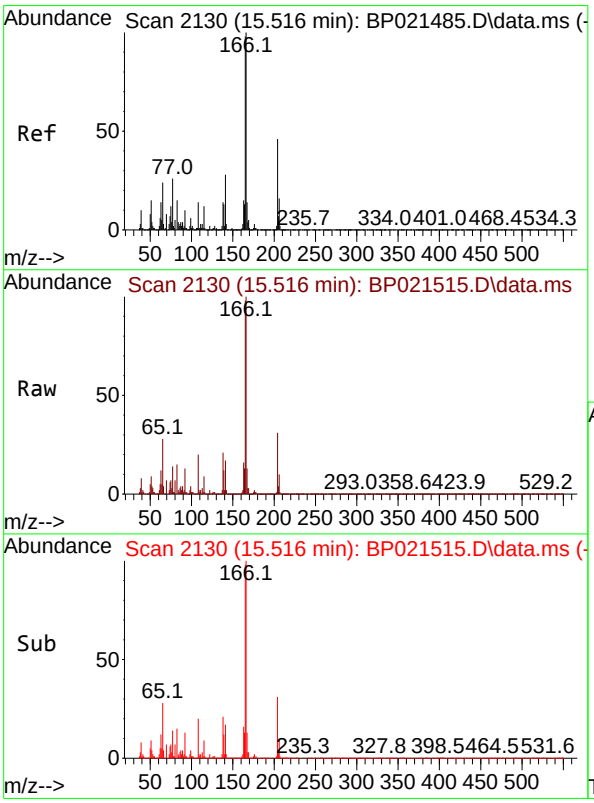
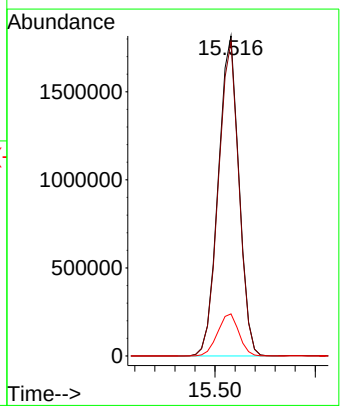
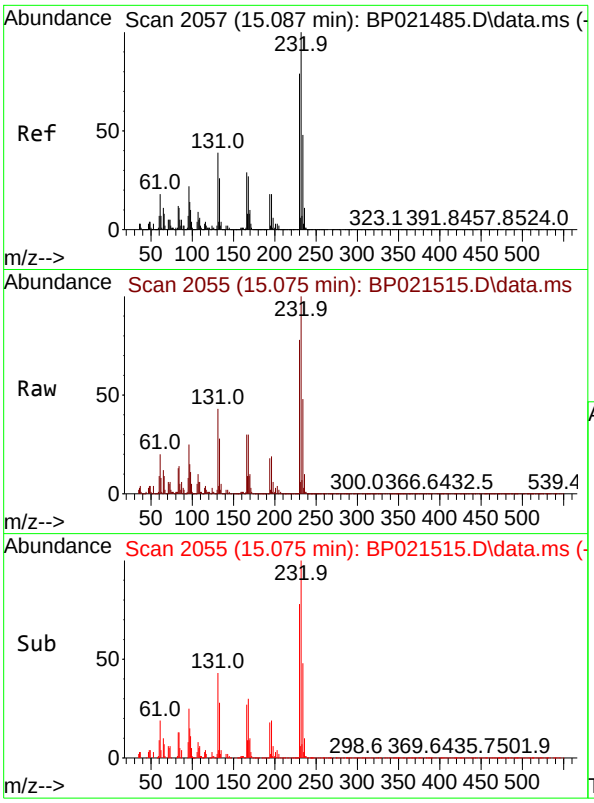


#58
Fluorene
Concen: 39.875 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:166 Resp: 2596645

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.2	11.0	16.4

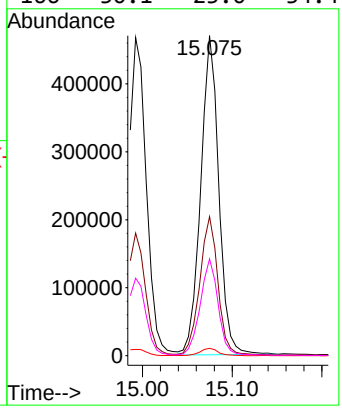




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.289 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:232 Resp: 65928

Ion	Ratio	Lower	Upper
232	100		
131	43.8	33.1	49.7
130	2.3	1.7	2.5
166	30.1	23.0	34.4



Instrument :
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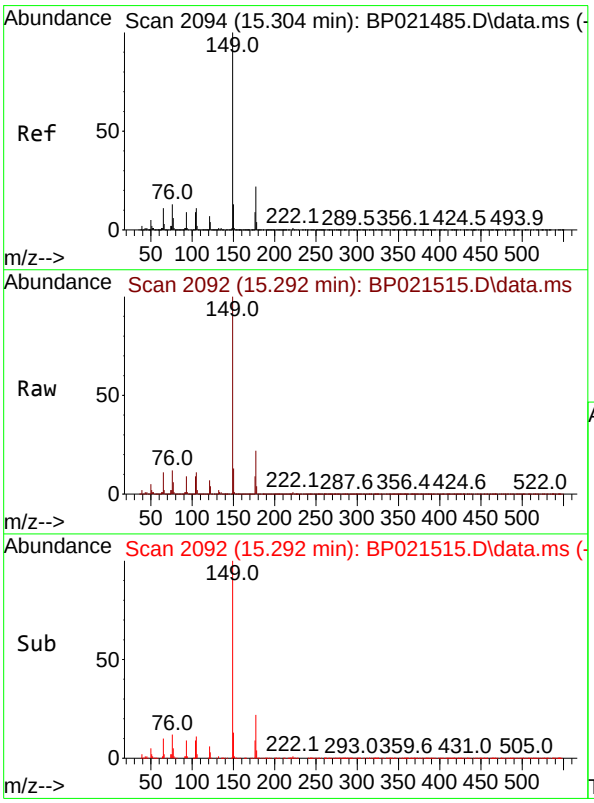
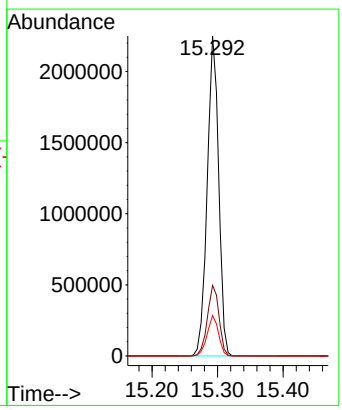
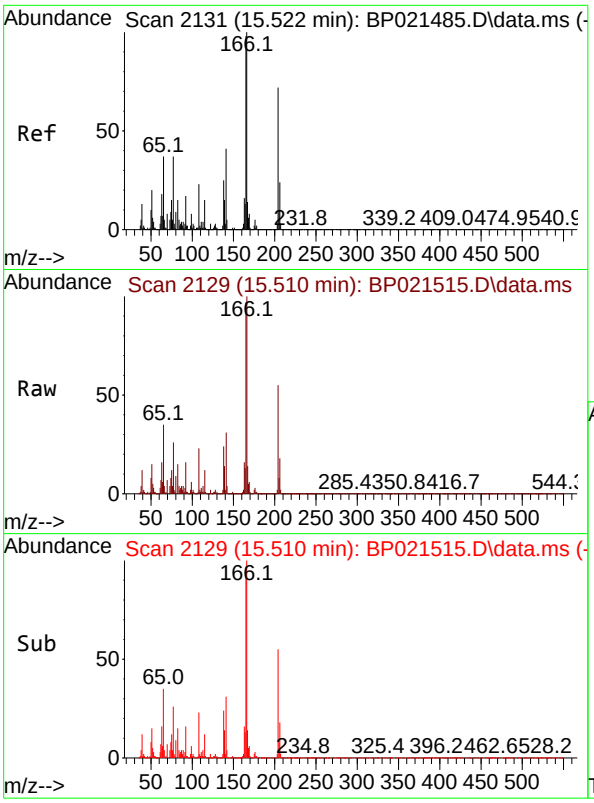


#60
Diethylphthalate
Concen: 41.012 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:149 Resp: 2733165

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.744 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 133782

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.4	39.6
141	55.6	46.1	69.1

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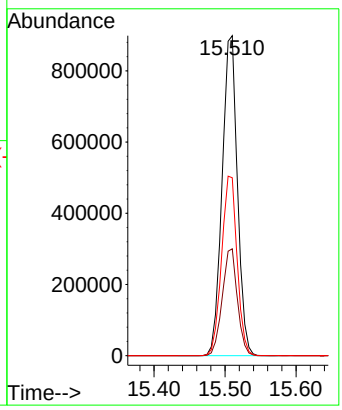
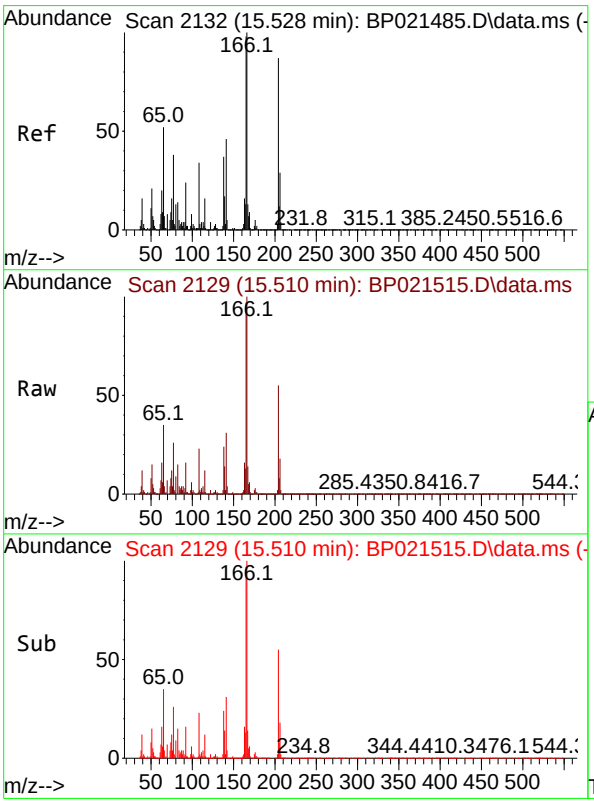
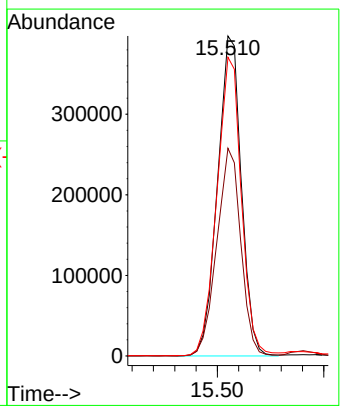


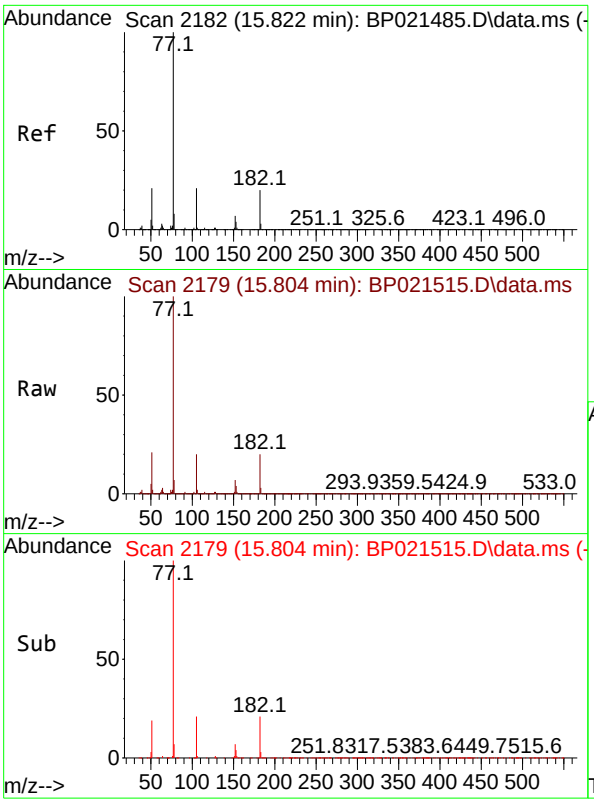


#62
4-Nitroaniline
Concen: 46.527 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:138 Resp: 614816

Ion	Ratio	Lower	Upper
138	100		
92	64.9	46.4	86.4
108	93.4	73.2	113.2

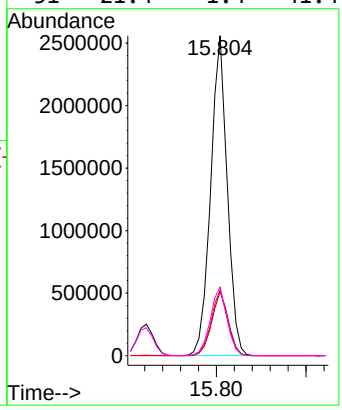




#63
Azobenzene
Concen: 39.977 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion: 77 Resp: 3274899

Ion	Ratio	Lower	Upper
77	100		
182	20.1	0.0	39.9
105	20.5	0.9	40.9
51	21.4	1.4	41.4



Instrument :
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ClientSampleId :
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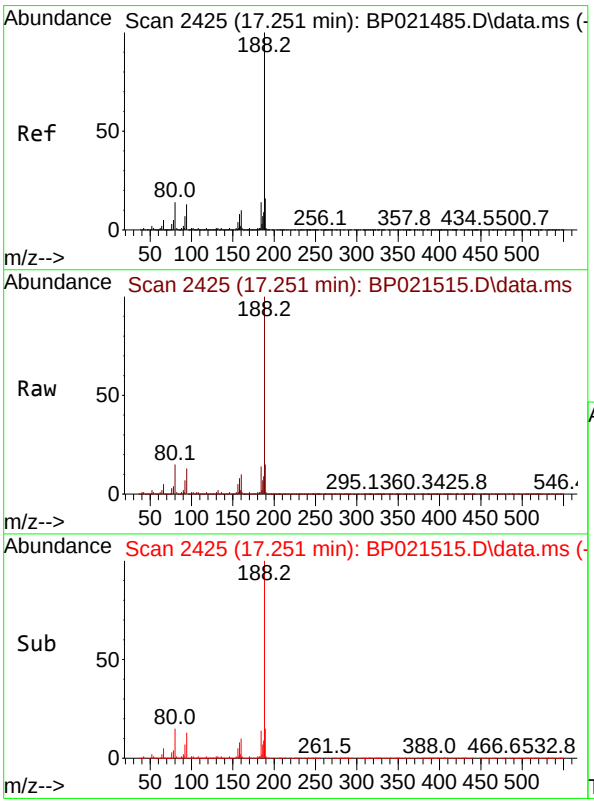
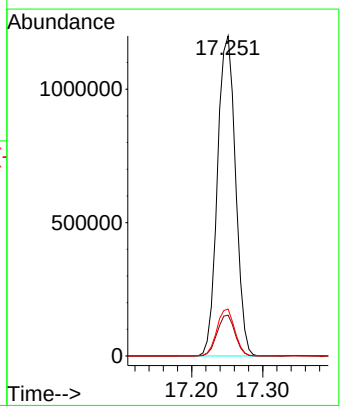
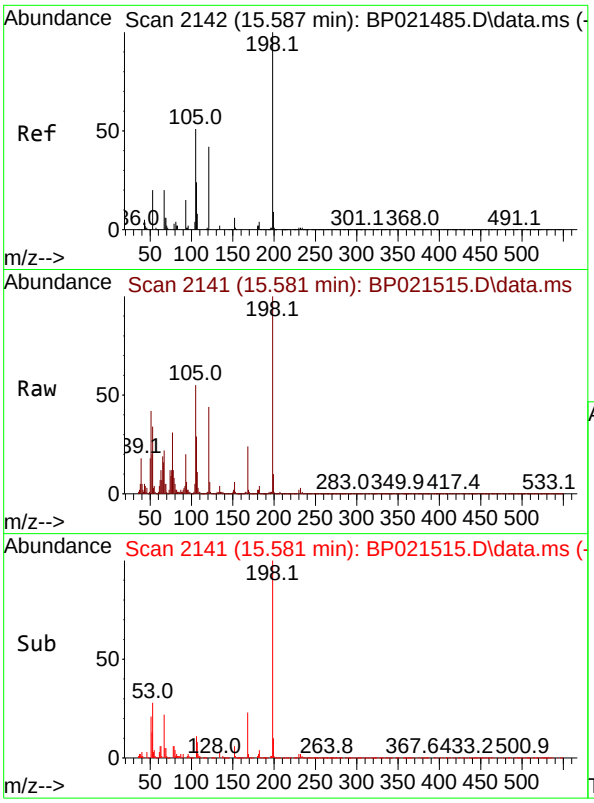


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:188 Resp: 2115328

Ion	Ratio	Lower	Upper
188	100		
94	12.7	10.2	15.4
80	14.7	11.6	17.4

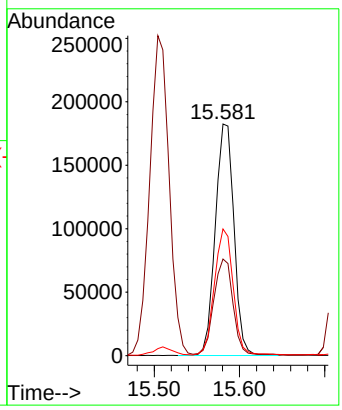




#65
4,6-Dinitro-2-methylphenol
Concen: 45.318 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:198 Resp: 27780

Ion	Ratio	Lower	Upper
198	100		
51	41.7	21.5	61.5
105	54.7	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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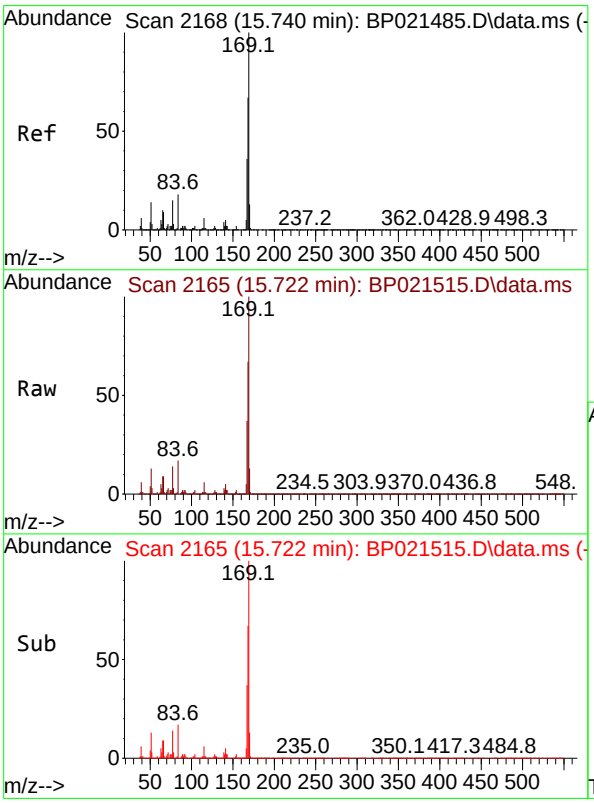
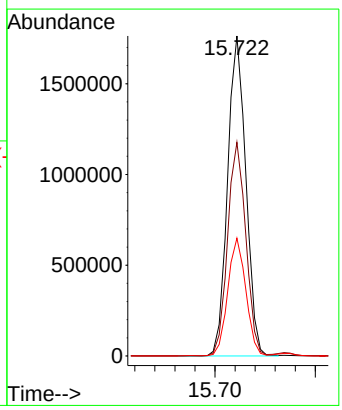
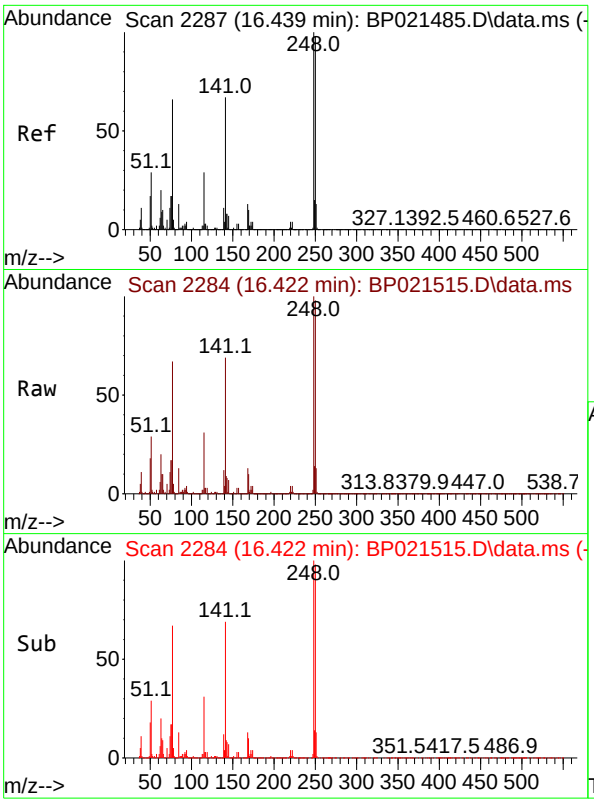


#66
n-Nitrosodiphenylamine
Concen: 39.253 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:169 Resp: 2225148

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.8	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 36.394 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:248 Resp: 81478

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.6	117.8
141	68.6	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
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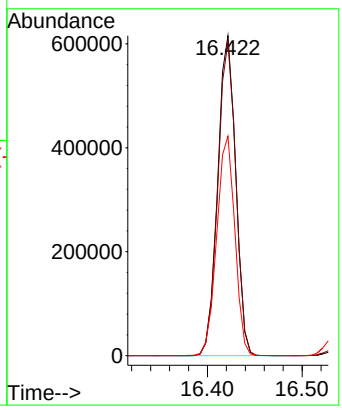
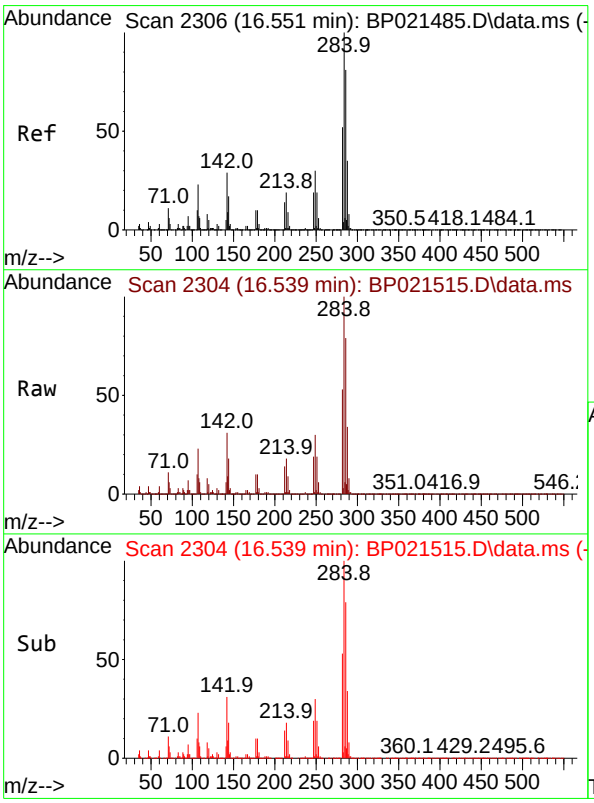
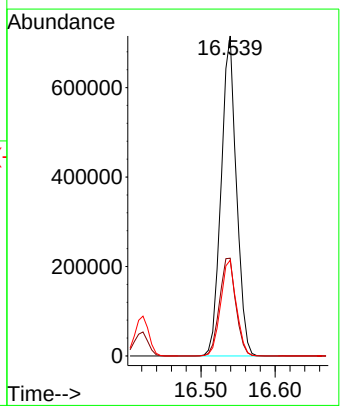


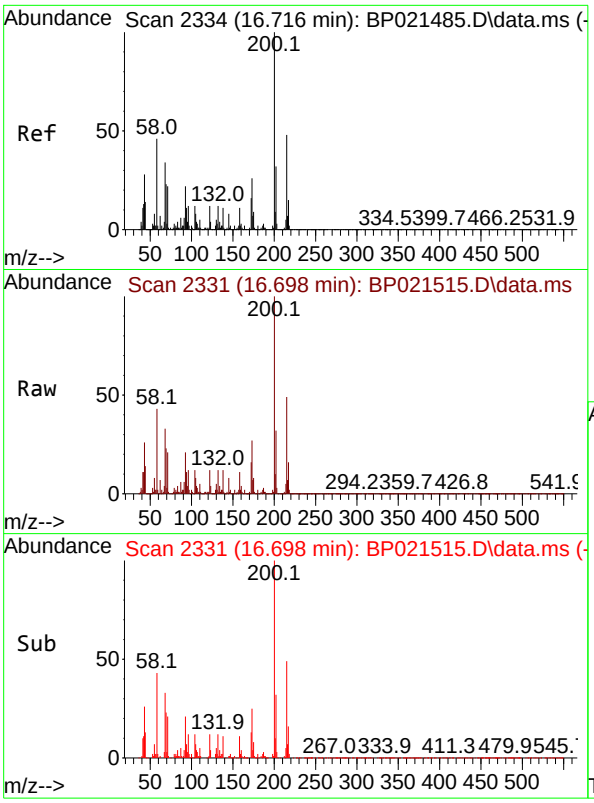


#68
Hexachlorobenzene
Concen: 38.761 ng
RT: 16.539 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:284 Resp: 1025496

Ion	Ratio	Lower	Upper
284	100		
142	30.5	23.4	35.2
249	29.9	24.1	36.1

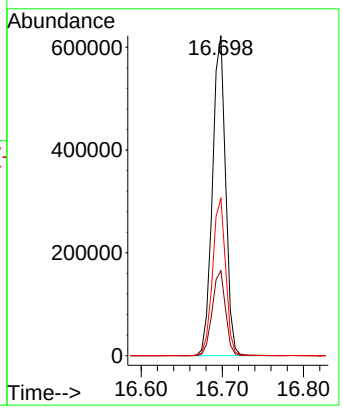




#69
Atrazine
Concen: 35.940 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:200 Resp: 69948

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.2	46.2
215	49.1	28.4	68.4



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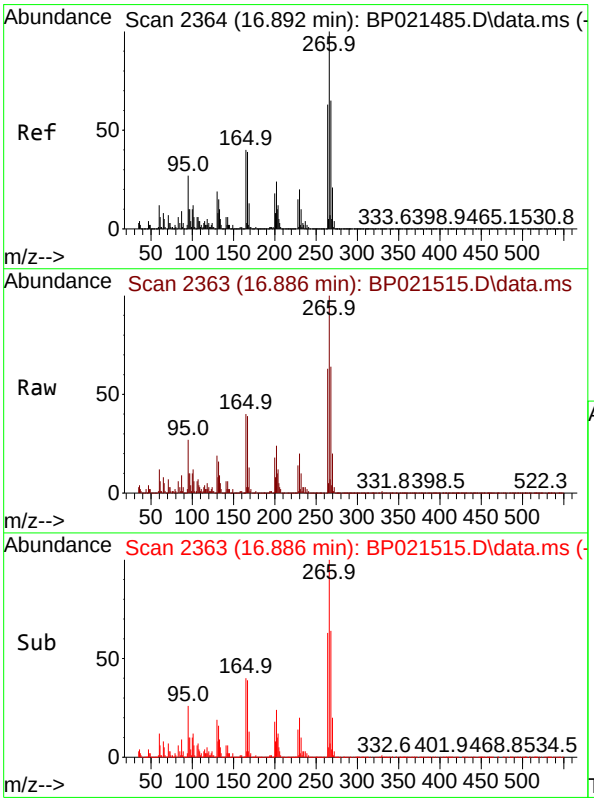
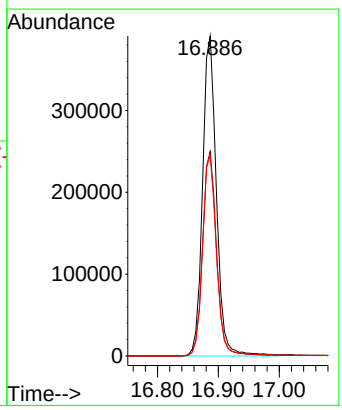
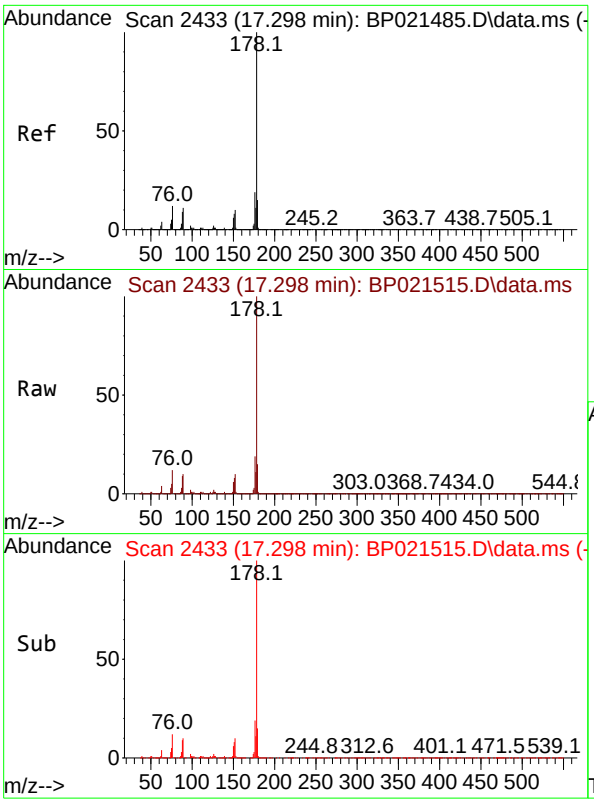


#70
Pentachlorophenol
Concen: 42.785 ng
RT: 16.886 min Scan# 2363
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:266 Resp: 617832

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.8	77.6
264	62.6	50.5	75.7

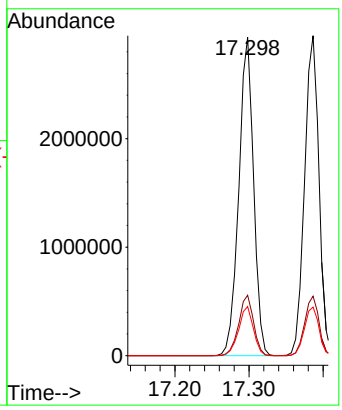




#71
Phenanthrene
Concen: 40.008 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:178 Resp: 407009

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
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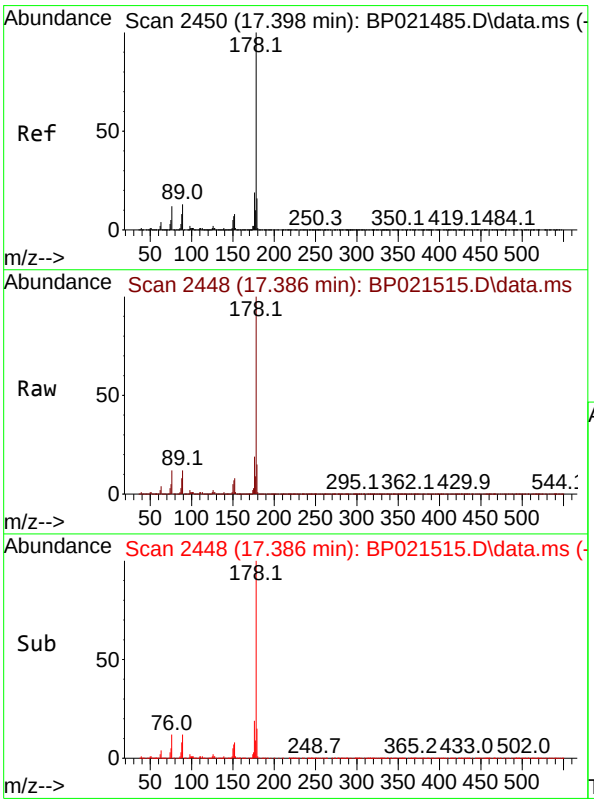
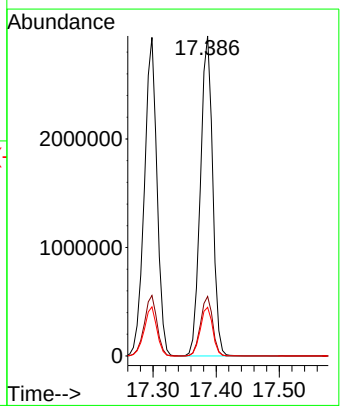
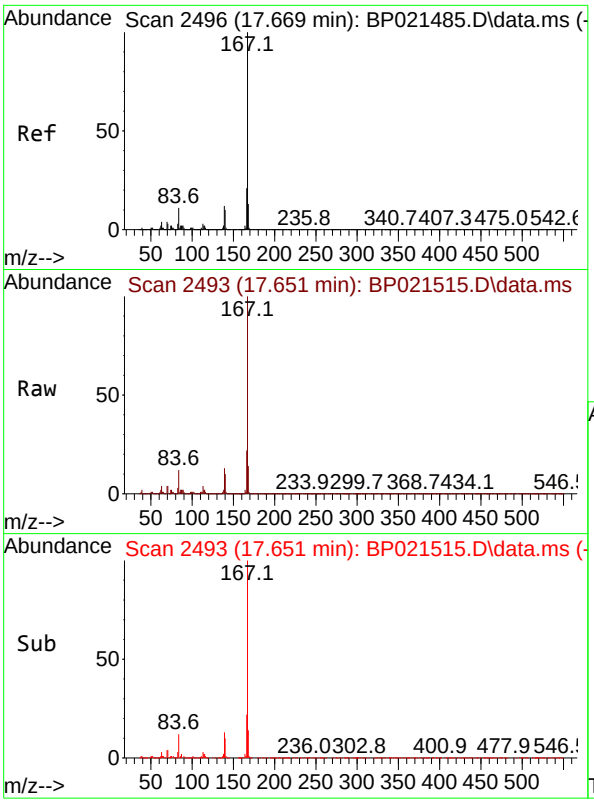


#72
Anthracene
Concen: 39.833 ng
RT: 17.386 min Scan# 2448
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:178 Resp: 3974138

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.2	12.5	18.7

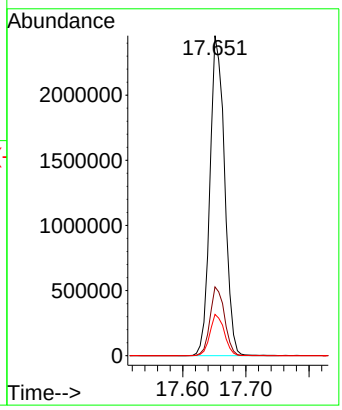




#73
Carbazole
Concen: 41.090 ng
RT: 17.651 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:167 Resp: 395077

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.4
139	12.9	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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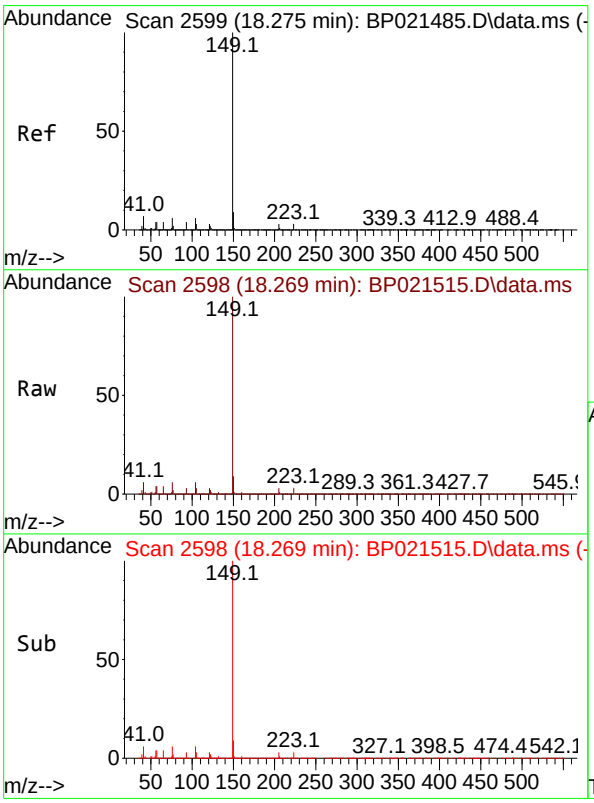
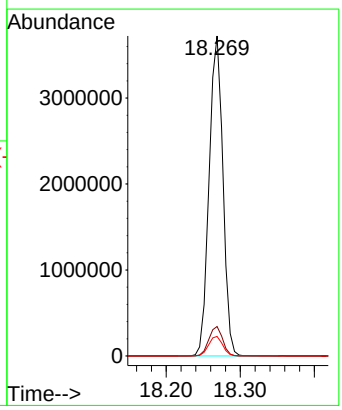
Supervised By :mohammad ahmed 08/17/2024

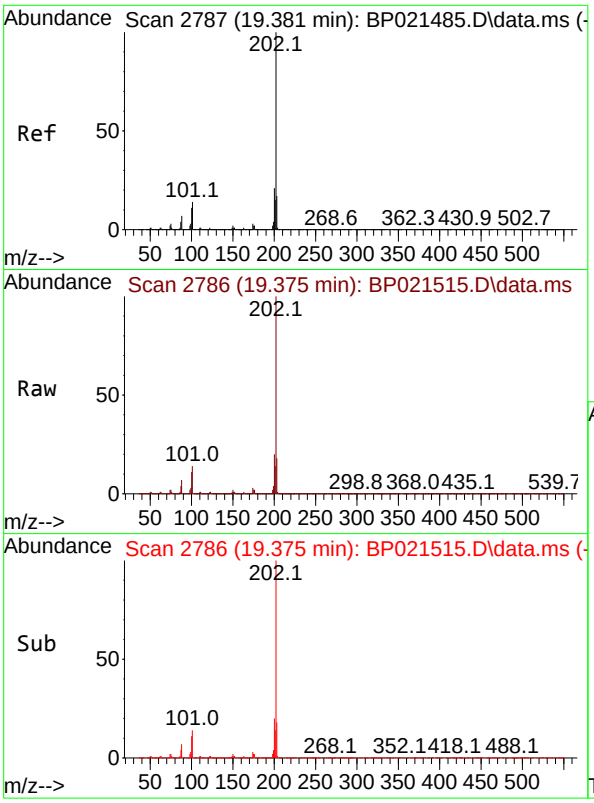


#74
Di-n-butylphthalate
Concen: 40.677 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:149 Resp: 4803309

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	6.1	4.9	7.3





#75
Fluoranthene
Concen: 41.674 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:202 Resp: 520187

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.7	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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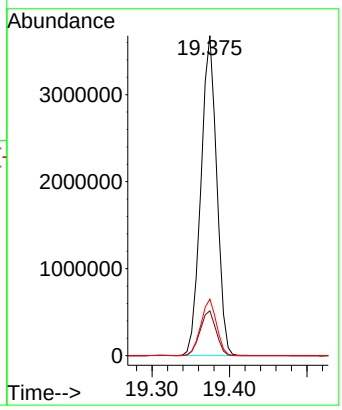
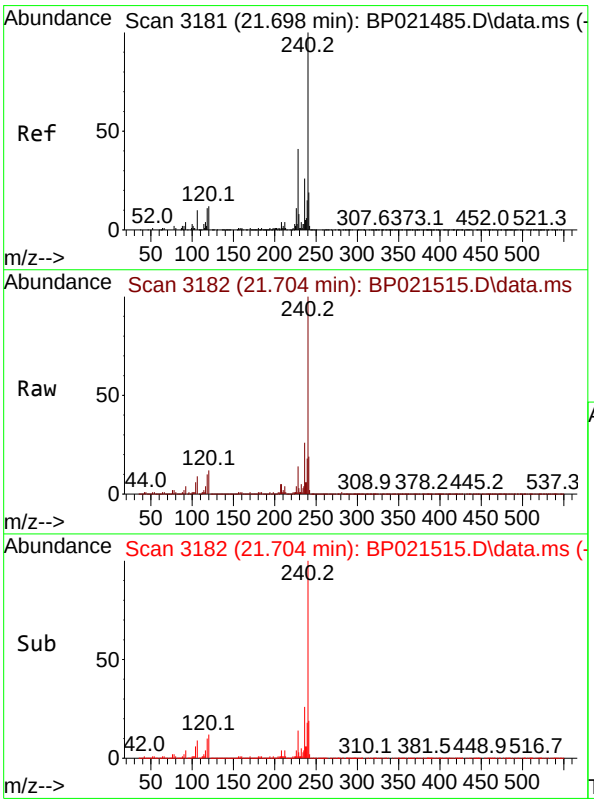
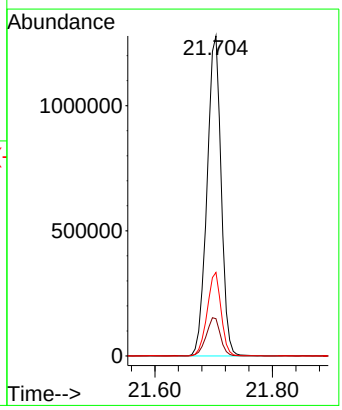


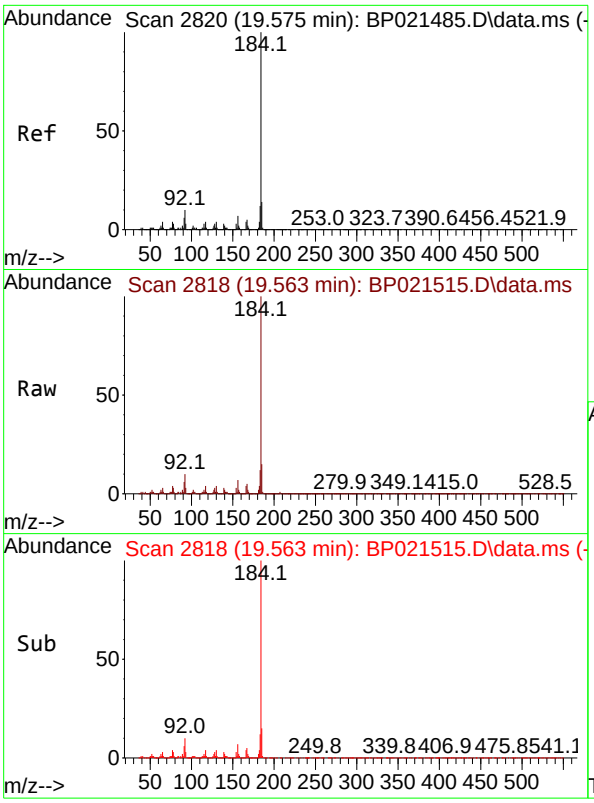


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:240 Resp: 2128450

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	26.1	20.6	30.8

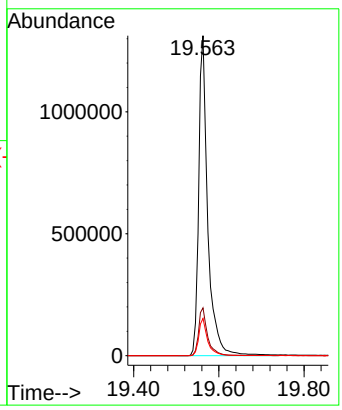




#77
Benzidine
Concen: 39.007 ng
RT: 19.563 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:184 Resp: 193517

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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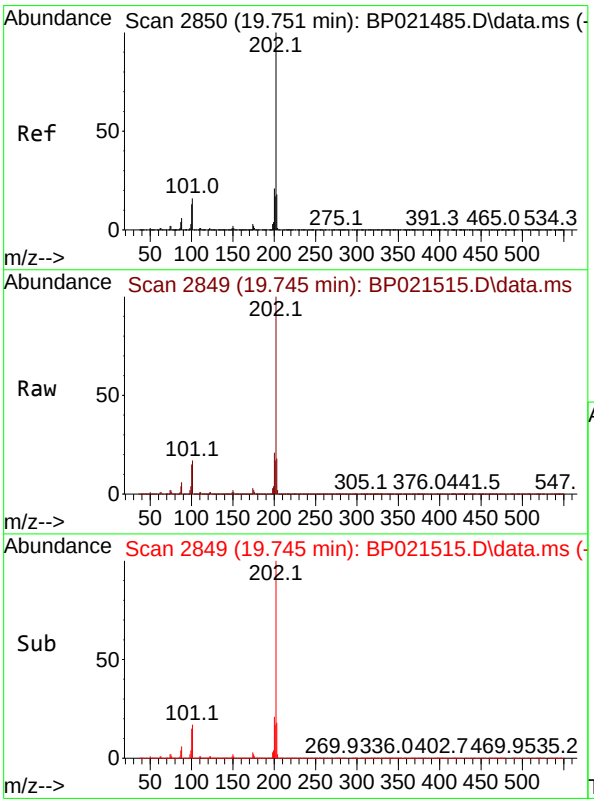
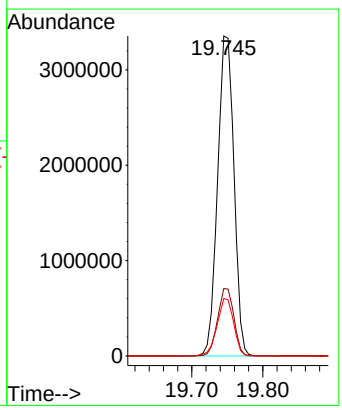
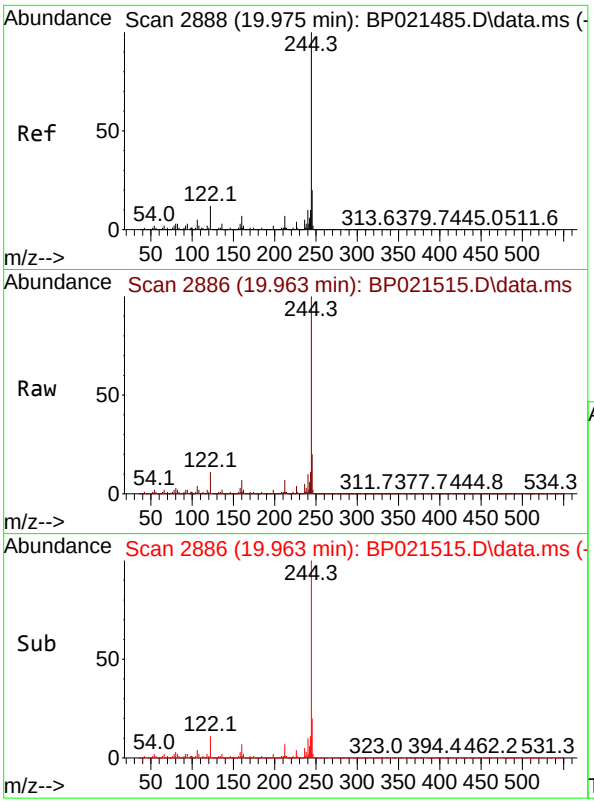


#78
Pyrene
Concen: 38.402 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:202 Resp: 5342454

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	18.0	14.1	21.1





#79
Terphenyl-d14
Concen: 74.981 ng
RT: 19.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 821488

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.0	9.4	14.2

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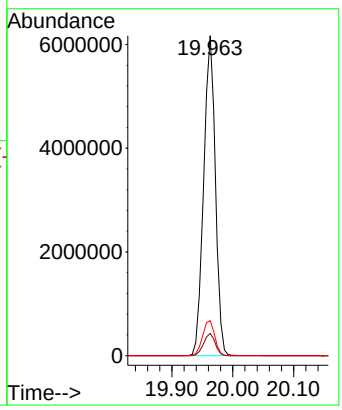
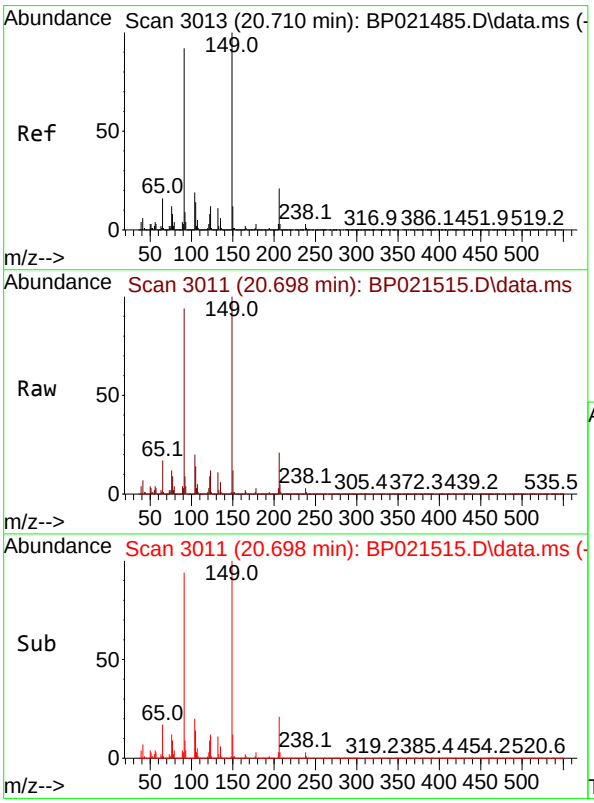
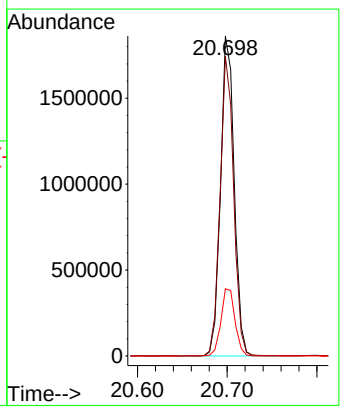


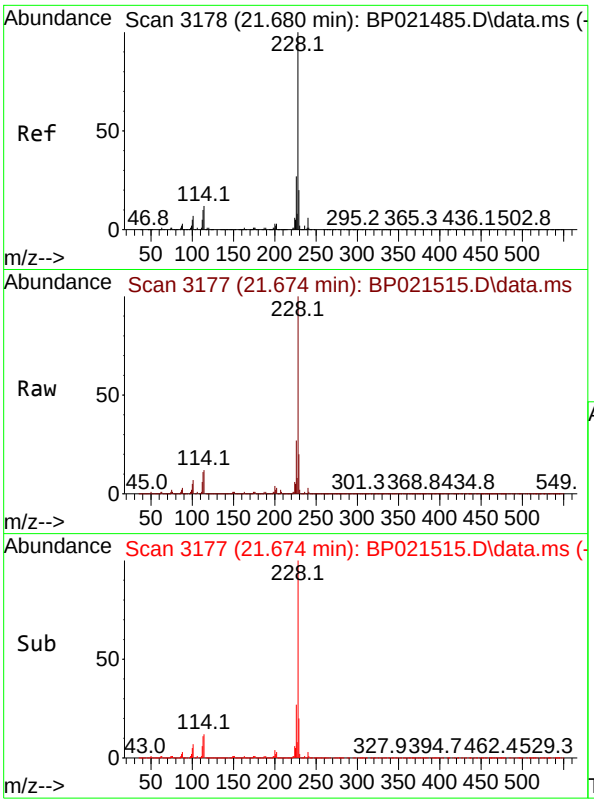


#80
Butylbenzylphthalate
Concen: 38.009 ng
RT: 20.698 min Scan# 3011
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:149 Resp: 1964062

Ion	Ratio	Lower	Upper
149	100		
91	93.7	73.3	109.9
206	21.0	17.1	25.7





#81
Benzo(a)anthracene
Concen: 39.464 ng
RT: 21.674 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:228 Resp: 527304

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.8	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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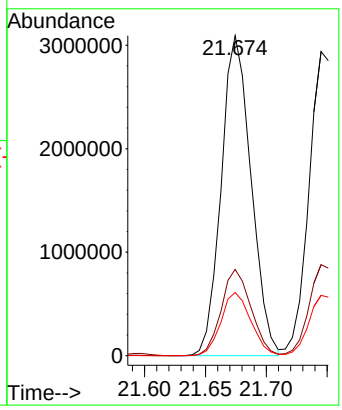
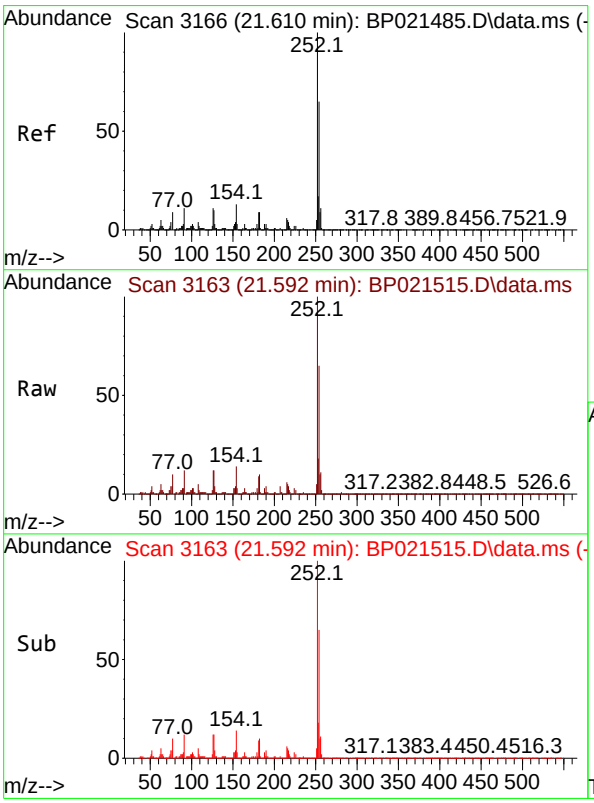
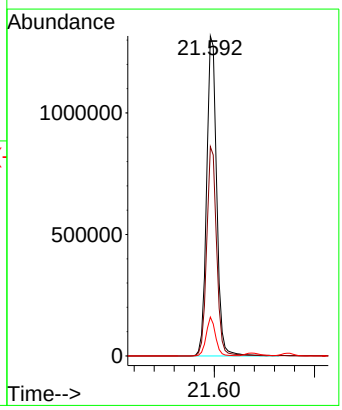


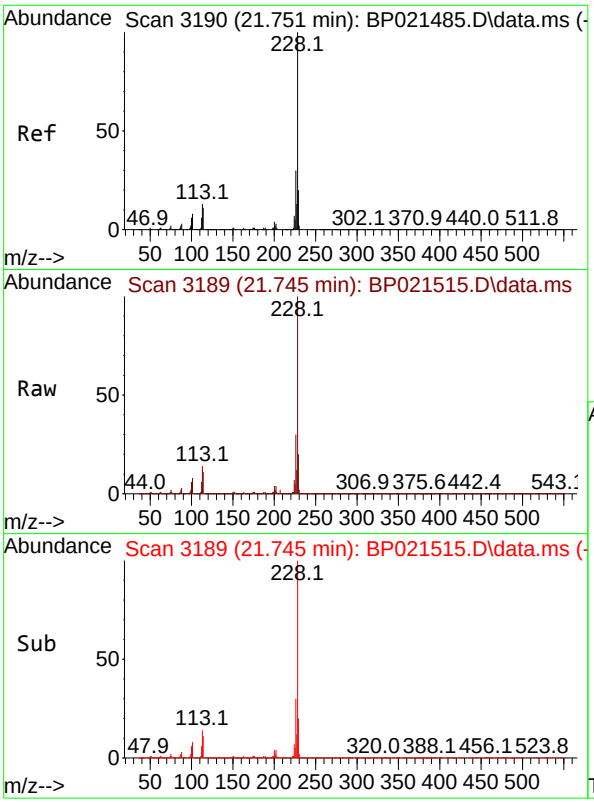


#82
3,3'-Dichlorobenzidine
Concen: 42.721 ng
RT: 21.592 min Scan# 3163
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:252 Resp: 1830204

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.7	77.5
126	12.2	8.7	13.1

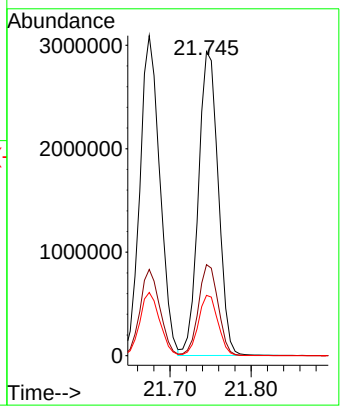




#83
Chrysene
Concen: 39.453 ng
RT: 21.745 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:228 Resp: 497705

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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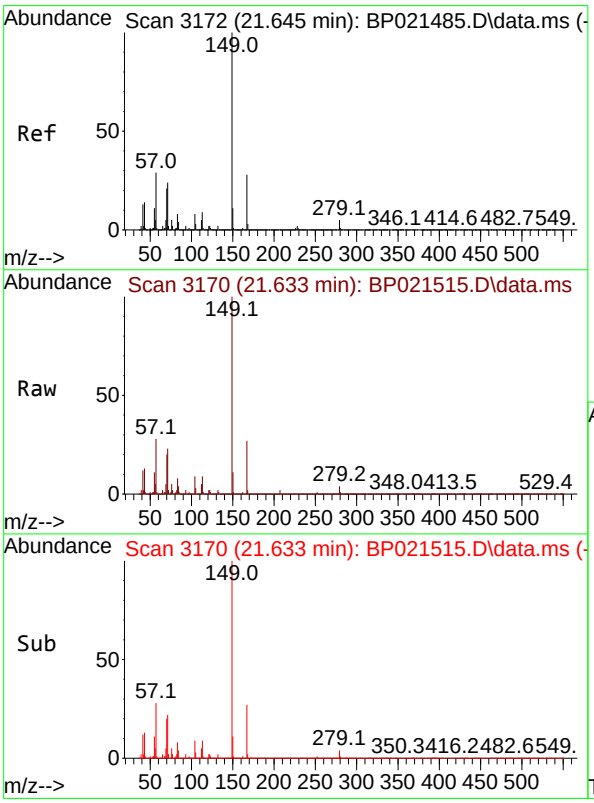
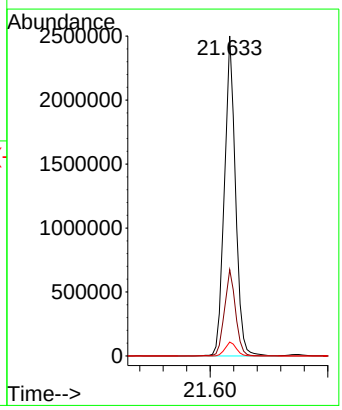
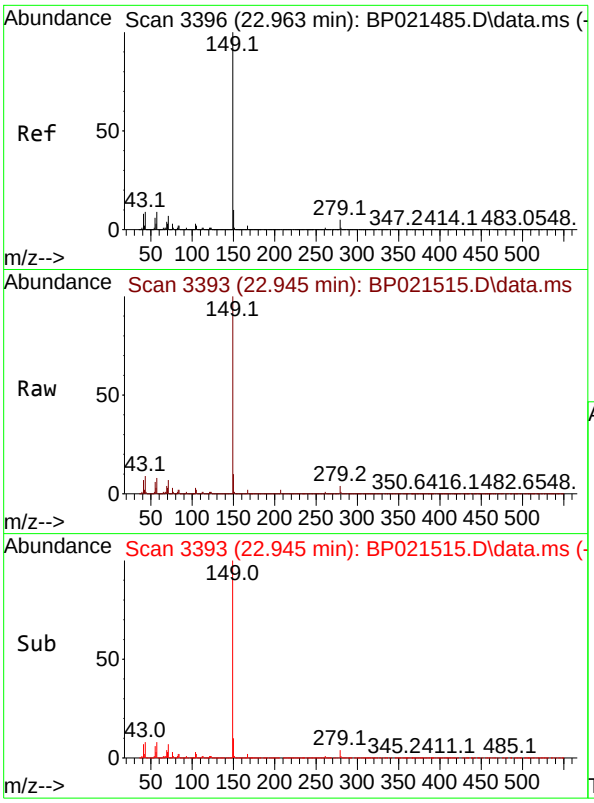


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.242 ng
RT: 21.633 min Scan# 3170
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:149 Resp: 3256957

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.3	33.5
279	4.4	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 38.250 ng
RT: 22.945 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:149 Resp: 515460

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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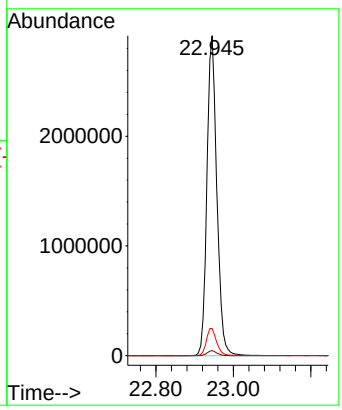
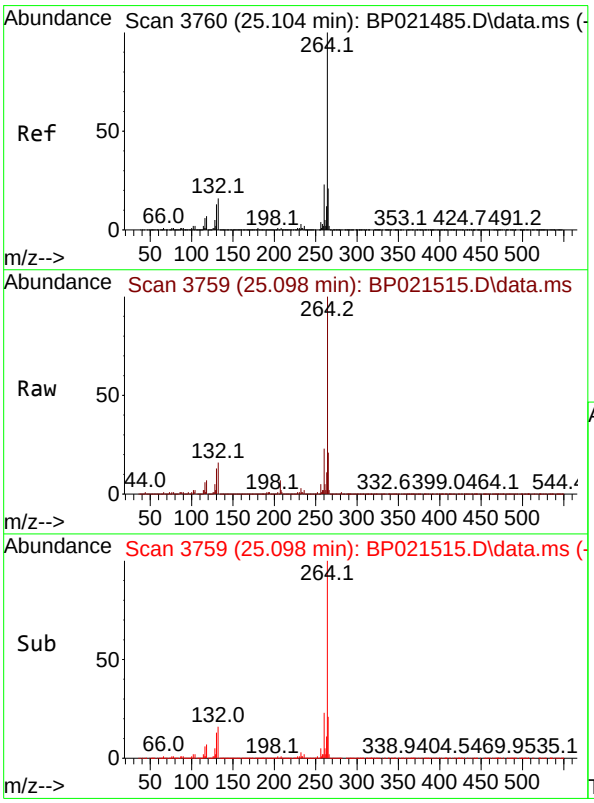
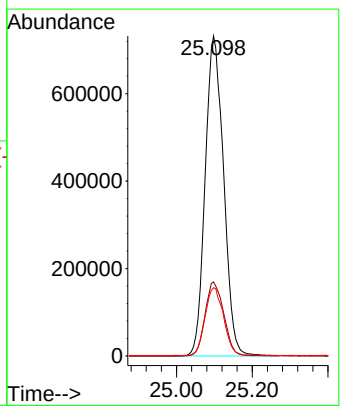


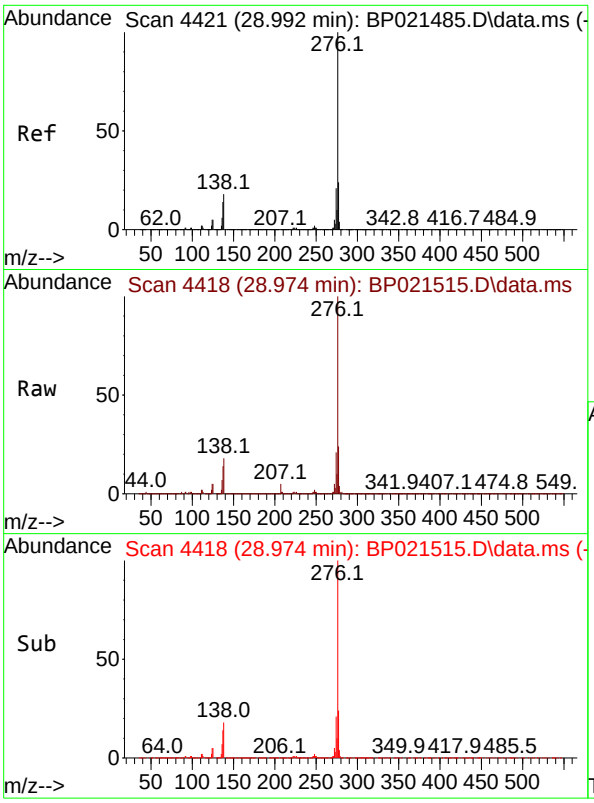


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.098 min Scan# 3759
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:264 Resp: 2469040

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.3	17.1	25.7

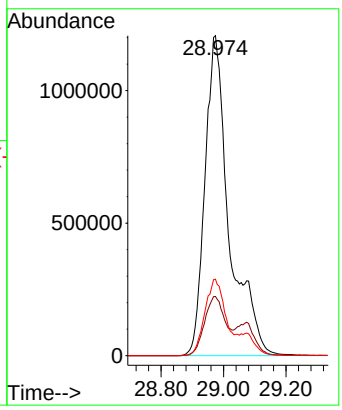




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.793 ng m
RT: 28.974 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:276 Resp: 652876

Ion	Ratio	Lower	Upper
276	100		
138	15.8	12.8	19.2
277	20.3	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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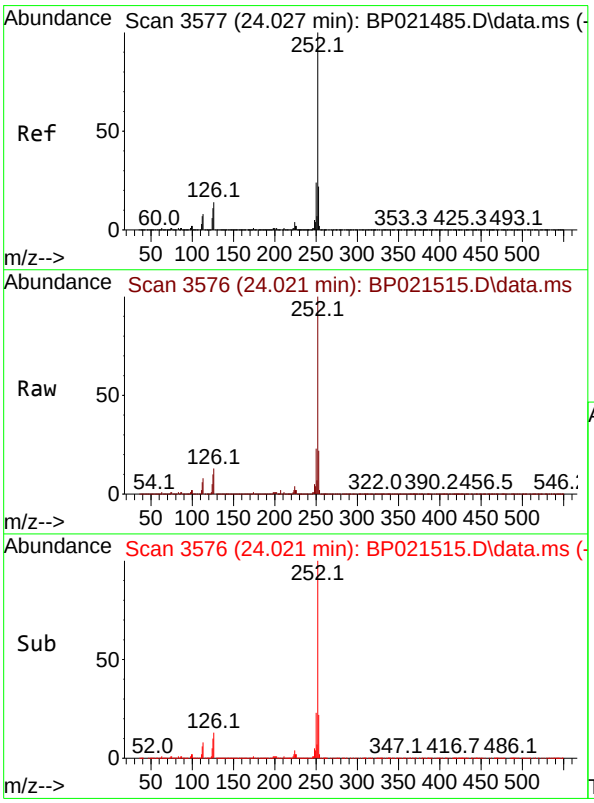
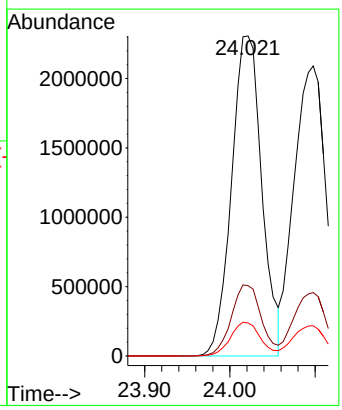
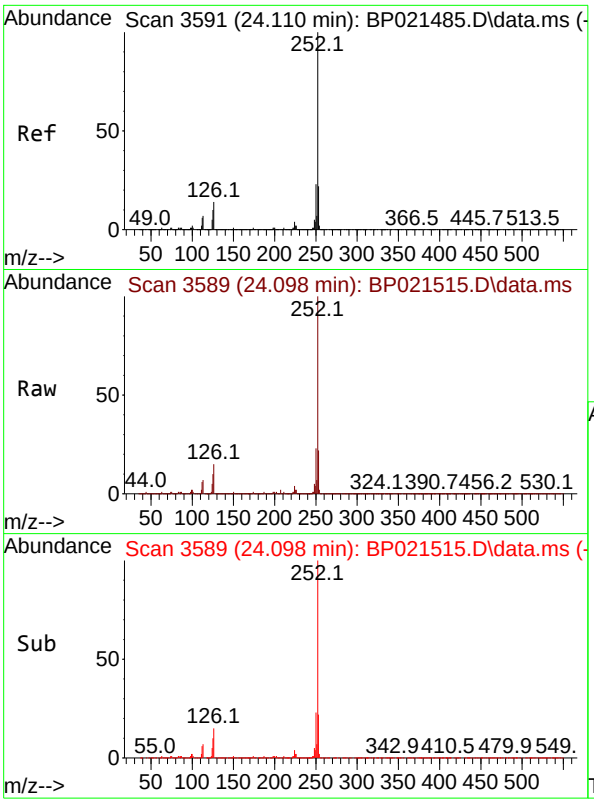


#88
Benzo(b)fluoranthene
Concen: 40.252 ng
RT: 24.021 min Scan# 3576
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:252 Resp: 5707896

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.3	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 39.736 ng
RT: 24.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:252 Resp: 549663

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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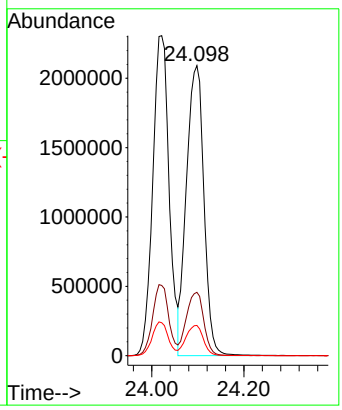
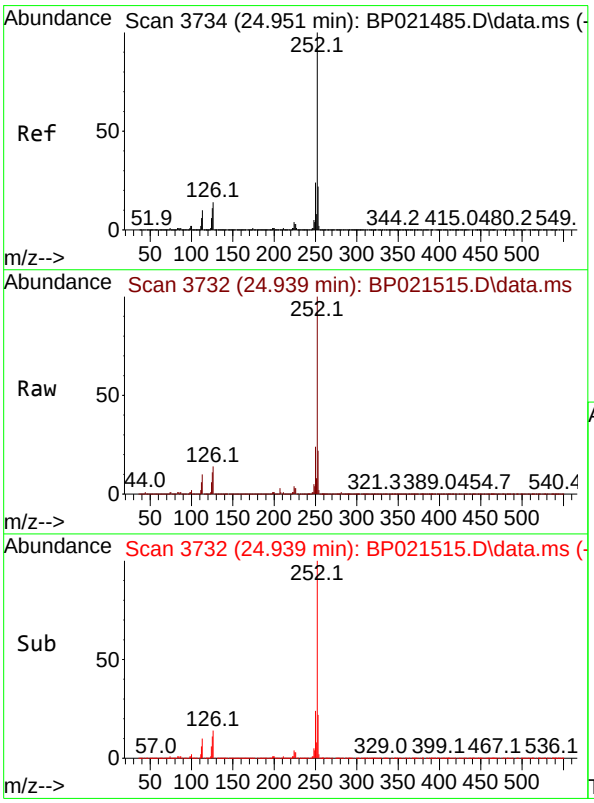
Supervised By :mohammad ahmed 08/17/2024

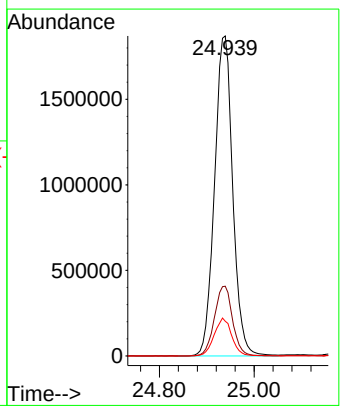


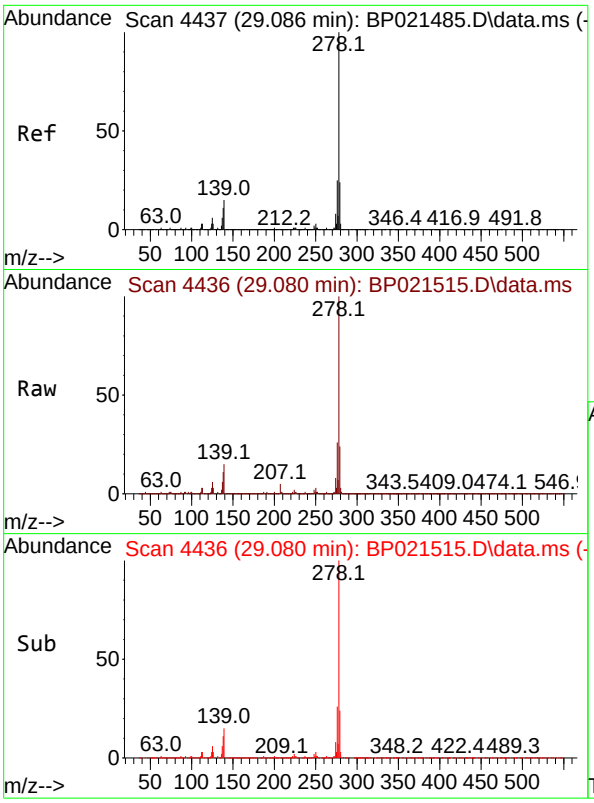


#90
Benzo(a)pyrene
Concen: 40.447 ng
RT: 24.939 min Scan# 3732
Delta R.T. -0.012 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:252 Resp: 4977254

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.9	8.7	13.1





#91
Dibenzo(a,h)anthracene
Concen: 40.485 ng
RT: 29.080 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

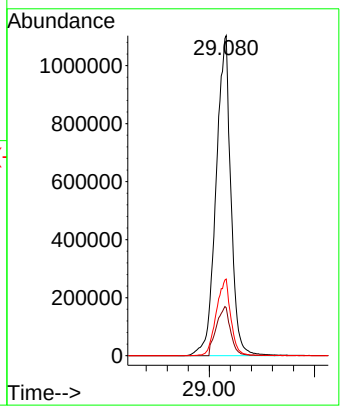
Tgt Ion:278 Resp: 538373

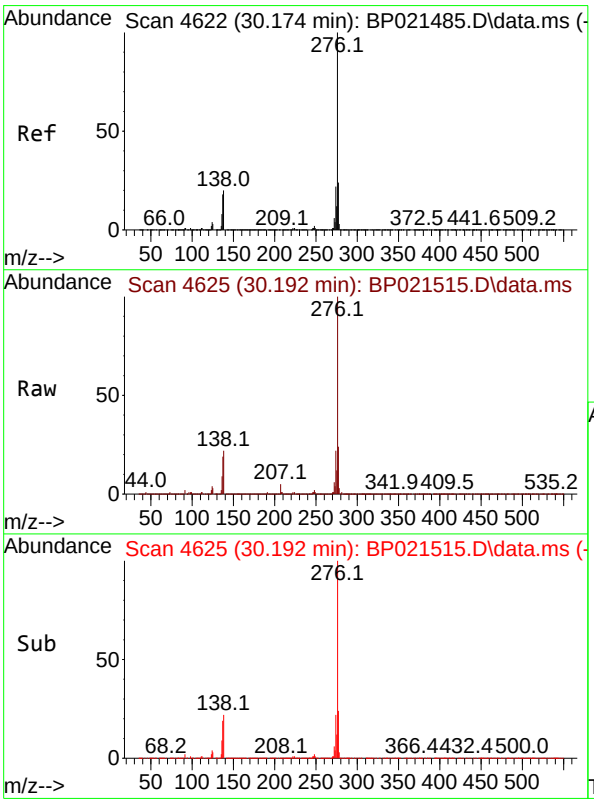
Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	24.0	19.1	28.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

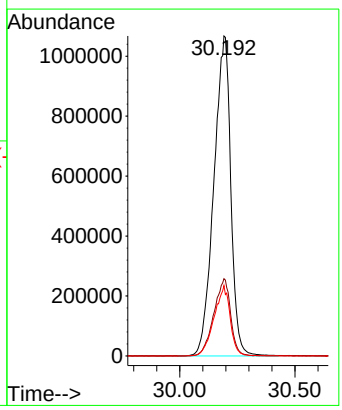




#92
Benzo(g,h,i)perylene
Concen: 40.874 ng
RT: 30.192 min Scan# 4625
Delta R.T. 0.018 min
Lab File: BP021515.D
Acq: 15 Aug 2024 15:37

Tgt Ion:276 Resp: 5447861

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.6
138	22.0	16.0	24.0



Sample Results: **BP021515.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	105	0.00
2		1,4-Dioxane	0.639	0.634	0.8	104	0.00
3		Pyridine	1.783	1.776	0.4	104	0.00
4		n-Nitrosodimethylamine	0.536	0.547	-2.1	108	0.00
5	S	2-Fluorophenol	1.347	1.380	-2.4	108	0.00
6		Aniline	1.964	1.930	1.7	103	0.00
7	S	Phenol-d6	1.965	2.003	-1.9	107	0.00
8		2-Chlorophenol	1.245	1.280	-2.8	108	0.00
9		Benzaldehyde	1.258	1.210	3.8	106	0.00
10	C	Phenol	2.035	2.048	-0.6	105	0.00
11		bis(2-Chloroethyl)ether	1.722	1.683	2.3	104	0.00
12		1,3-Dichlorobenzene	1.479	1.461	1.2	106	0.00
13	C	1,4-Dichlorobenzene	1.493	1.470	1.5	105	0.00
14		1,2-Dichlorobenzene	1.439	1.414	1.7	106	0.00
15		Benzyl Alcohol	1.410	1.429	-1.3	106	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.541	2.8	105	0.00
17		2-Methylphenol	1.286	1.303	-1.3	106	0.00
18		Hexachloroethane	0.599	0.607	-1.3	108	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.296	4.5	102	0.00
20		3+4-Methylphenols	1.734	1.786	-3.0	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22		Acetophenone	0.614	0.600	2.3	105	0.00
23	S	Nitrobenzene-d5	0.387	0.439	-13.4	114	0.00
24		Nitrobenzene	0.421	0.464	-10.2	112	0.00
25		Isophorone	0.915	0.882	3.6	103	0.00
26	C	2-Nitrophenol	0.086	0.116	-34.9#	132	0.00
27		2,4-Dimethylphenol	0.226	0.229	-1.3	108	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.545	2.5	106	0.00
29	C	2,4-Dichlorophenol	0.267	0.290	-8.6	114	0.00
30		1,2,4-Trichlorobenzene	0.342	0.340	0.6	106	0.00
31		Naphthalene	1.045	1.040	0.5	107	0.00
32		Benzoic acid	0.137	0.188	-37.2#	155#	0.00
33		4-Chloroaniline	0.392	0.400	-2.0	108	0.00
34	C	Hexachlorobutadiene	0.215	0.211	1.9	105	0.00
35		Caprolactam	0.111	0.121	-9.0	114	0.00
36	C	4-Chloro-3-methylphenol	0.370	0.398	-7.6	111	0.00
37		2-Methylnaphthalene	0.713	0.701	1.7	106	-0.01
38		1-Methylnaphthalene	0.703	0.695	1.1	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.586	0.578	1.4	106	0.00
41	P	Hexachlorocyclopentadiene	0.186	0.182	2.2	103	0.00
42	S	2,4,6-Tribromophenol	0.223	0.226	-1.3	104	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.354	-8.6	112	0.00
44		2,4,5-Trichlorophenol	0.362	0.408	-12.7	116	0.00
45	S	2-Fluorobiphenyl	1.310	1.300	0.8	107	0.00
46		1,1'-Biphenyl	1.415	1.404	0.8	107	-0.01
47		2-Chloronaphthalene	1.102	1.091	1.0	106	0.00

Sample Results: **BP021515.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	0.256	0.341	-33.2#	130	0.00
49		Acenaphthylene	1.619	1.641	-1.4	109	0.00
50		Dimethylphthalate	1.339	1.366	-2.0	110	0.00
51		2,6-Dinitrotoluene	0.232	0.296	-27.6#	126	-0.02
52	C	Acenaphthene	1.063	1.077	-1.3	109	0.00
53		3-Nitroaniline	0.228	0.300	-31.6#	128	-0.02
54	P	2,4-Dinitrophenol	0.069	0.089	-29.0#	147	0.00
55		Dibenzofuran	1.635	1.653	-1.1	109	0.00
56	P	4-Nitrophenol	0.195	0.250	-28.2#	135	0.00
57		2,4-Dinitrotoluene	0.284	0.388	-36.6#	132	0.00
58		Fluorene	1.343	1.339	0.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.340	-10.7	113	-0.01
60		Diethylphthalate	1.374	1.409	-2.5	110	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.690	0.6	108	-0.01
62		4-Nitroaniline	0.241	0.317	-31.5#	127	-0.02
63		Azobenzene	1.689	1.688	0.1	107	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.066	-22.2	139	0.00
66	c	n-Nitrosodiphenylamine	0.536	0.526	1.9	108	-0.02
67		4-Bromophenyl-phenylether	0.212	0.193	9.0	103	-0.02
68		Hexachlorobenzene	0.250	0.242	3.2	107	-0.01
69		Atrazine	0.184	0.165	10.3	96	-0.02
70	C	Pentachlorophenol	0.137	0.146	-6.6	119	0.00
71		Phenanthrene	0.962	0.962	0.0	111	0.00
72		Anthracene	0.943	0.939	0.4	110	-0.01
73		Carbazole	0.909	0.934	-2.8	112	-0.02
74		Di-n-butylphthalate	1.116	1.135	-1.7	110	0.00
75	C	Fluoranthene	1.180	1.230	-4.2	114	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	117	0.00
77		Benzidine	0.420	0.455	-8.3	112	-0.01
78		Pyrene	1.307	1.255	4.0	114	0.00
79	S	Terphenyl-d14	1.029	0.965	6.2	112	-0.01
80		Butylbenzylphthalate	0.437	0.461	-5.5	115	-0.01
81		Benzo(a)anthracene	1.256	1.239	1.4	114	0.00
82		3,3'-Dichlorobenzidine	0.403	0.430	-6.7	117	-0.02
83		Chrysene	1.185	1.169	1.4	114	0.00
84		Bis(2-ethylhexyl)phthalate	0.742	0.765	-3.1	115	-0.01
85	c	Di-n-octyl phthalate	1.199	1.211	-1.0	114	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	118	0.00
87		Indeno(1,2,3-cd)pyrene	1.296	1.322	-2.0	118	-0.02
88		Benzo(b)fluoranthene	1.149	1.156	-0.6	119	0.00
89		Benzo(k)fluoranthene	1.121	1.113	0.7	116	-0.01
90	C	Benzo(a)pyrene	0.997	1.008	-1.1	118	-0.01
91		Dibenzo(a,h)anthracene	1.077	1.090	-1.2	117	0.00
92		Benzo(g,h,i)perylene	1.080	1.103	-2.1	119	0.02

Sample Results: **BP021515.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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

Evaluate Continuing Calibration Report

Sample Results: **BP021515.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	105	0.00
2		1,4-Dioxane	40.000	39.721	0.7	104	0.00
3		Pyridine	40.000	39.855	0.4	104	0.00
4		n-Nitrosodimethylamine	40.000	40.827	-2.1	108	0.00
5	S	2-Fluorophenol	80.000	81.986	-2.5	108	0.00
6		Aniline	40.000	39.293	1.8	103	0.00
7	S	Phenol-d6	80.000	81.542	-1.9	107	0.00
8		2-Chlorophenol	40.000	41.119	-2.8	108	0.00
9		Benzaldehyde	40.000	38.463	3.8	106	0.00
10	C	Phenol	40.000	40.255	-0.6	105	0.00
11		bis(2-Chloroethyl)ether	40.000	39.109	2.2	104	0.00
12		1,3-Dichlorobenzene	40.000	39.534	1.2	106	0.00
13	C	1,4-Dichlorobenzene	40.000	39.379	1.6	105	0.00
14		1,2-Dichlorobenzene	40.000	39.319	1.7	106	0.00
15		Benzyl Alcohol	40.000	40.558	-1.4	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.883	2.8	105	0.00
17		2-Methylphenol	40.000	40.526	-1.3	106	0.00
18		Hexachloroethane	40.000	40.569	-1.4	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.203	4.5	102	0.00
20		3+4-Methylphenols	40.000	41.196	-3.0	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22		Acetophenone	40.000	39.083	2.3	105	0.00
23	S	Nitrobenzene-d5	80.000	90.589	-13.2	114	0.00
24		Nitrobenzene	40.000	44.076	-10.2	112	0.00
25		Isophorone	40.000	38.545	3.6	103	0.00
26	C	2-Nitrophenol	40.000	45.564	-13.9	132	0.00
27		2,4-Dimethylphenol	40.000	40.514	-1.3	108	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.035	2.4	106	0.00
29	C	2,4-Dichlorophenol	40.000	43.498	-8.7	114	0.00
30		1,2,4-Trichlorobenzene	40.000	39.703	0.7	106	0.00
31		Naphthalene	40.000	39.804	0.5	107	0.00
32		Benzoic acid	40.000	49.992	-25.0	155	0.00
33		4-Chloroaniline	40.000	40.717	-1.8	108	0.00
34	C	Hexachlorobutadiene	40.000	39.188	2.0	105	0.00
35		Caprolactam	40.000	43.743	-9.4	114	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.006	-7.5	111	0.00
37		2-Methylnaphthalene	40.000	39.324	1.7	106	-0.01
38		1-Methylnaphthalene	40.000	39.539	1.2	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.477	1.3	106	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.224	1.9	103	0.00
42	S	2,4,6-Tribromophenol	80.000	81.327	-1.7	104	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.465	-8.7	112	0.00
44		2,4,5-Trichlorophenol	40.000	45.100	-12.8	116	0.00
45	S	2-Fluorobiphenyl	80.000	79.374	0.8	107	0.00
46		1,1'-Biphenyl	40.000	39.694	0.8	107	-0.01
47		2-Chloronaphthalene	40.000	39.608	1.0	106	0.00

Sample Results: **BP021515.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	44.587	-11.5	130	0.00
49		Acenaphthylene	40.000	40.538	-1.3	109	0.00
50		Dimethylphthalate	40.000	40.806	-2.0	110	0.00
51		2,6-Dinitrotoluene	40.000	44.191	-10.5	126	-0.02
52	C	Acenaphthene	40.000	40.528	-1.3	109	0.00
53		3-Nitroaniline	40.000	45.344	-13.4	128	-0.02
54	P	2,4-Dinitrophenol	40.000	48.146	-20.4	147	0.00
55		Dibenzofuran	40.000	40.462	-1.2	109	0.00
56	P	4-Nitrophenol	40.000	47.162	-17.9	135	0.00
57		2,4-Dinitrotoluene	40.000	45.473	-13.7	132	0.00
58		Fluorene	40.000	39.875	0.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.289	-10.7	113	-0.01
60		Diethylphthalate	40.000	41.012	-2.5	110	-0.01
61		4-Chlorophenyl-phenylether	40.000	39.744	0.6	108	-0.01
62		4-Nitroaniline	40.000	46.527	-16.3	127	-0.02
63		Azobenzene	40.000	39.977	0.1	107	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.318	-13.3	139	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.253	1.9	108	-0.02
67		4-Bromophenyl-phenylether	40.000	36.394	9.0	103	-0.02
68		Hexachlorobenzene	40.000	38.761	3.1	107	-0.01
69		Atrazine	40.000	35.940	10.2	96	-0.02
70	C	Pentachlorophenol	40.000	42.785	-7.0	119	0.00
71		Phenanthrene	40.000	40.008	-0.0	111	0.00
72		Anthracene	40.000	39.833	0.4	110	-0.01
73		Carbazole	40.000	41.090	-2.7	112	-0.02
74		Di-n-butylphthalate	40.000	40.677	-1.7	110	0.00
75	C	Fluoranthene	40.000	41.674	-4.2	114	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	117	0.00
77		Benzidine	40.000	39.007	2.5	112	-0.01
78		Pyrene	40.000	38.402	4.0	114	0.00
79	S	Terphenyl-d14	80.000	74.981	6.3	112	-0.01
80		Butylbenzylphthalate	40.000	38.009	5.0	115	-0.01
81		Benzo(a)anthracene	40.000	39.464	1.3	114	0.00
82		3,3'-Dichlorobenzidine	40.000	42.721	-6.8	117	-0.02
83		Chrysene	40.000	39.453	1.4	114	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.242	-3.1	115	-0.01
85	c	Di-n-octyl phthalate	40.000	38.250	4.4	114	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	118	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.793	-2.0	118	-0.02
88		Benzo(b)fluoranthene	40.000	40.252	-0.6	119	0.00
89		Benzo(k)fluoranthene	40.000	39.736	0.7	116	-0.01
90	C	Benzo(a)pyrene	40.000	40.447	-1.1	118	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.485	-1.2	117	0.00
92		Benzo(g,h,i)perylene	40.000	40.874	-2.2	119	0.02

Sample Results: **BP021515.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021515.D
Acq On : 15 Aug 2024 15:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 15 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

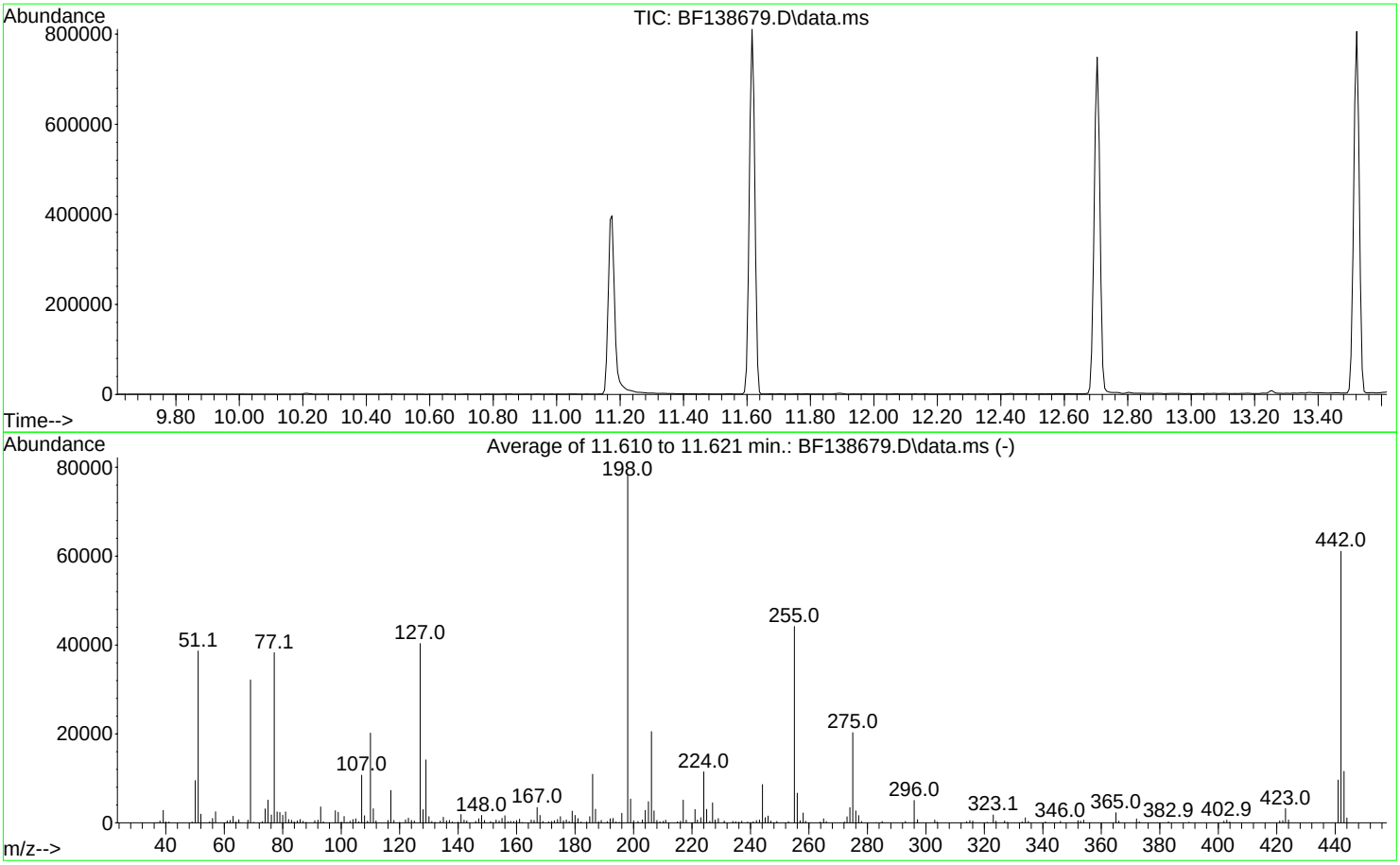
Sample Results: **BF138679.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
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-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

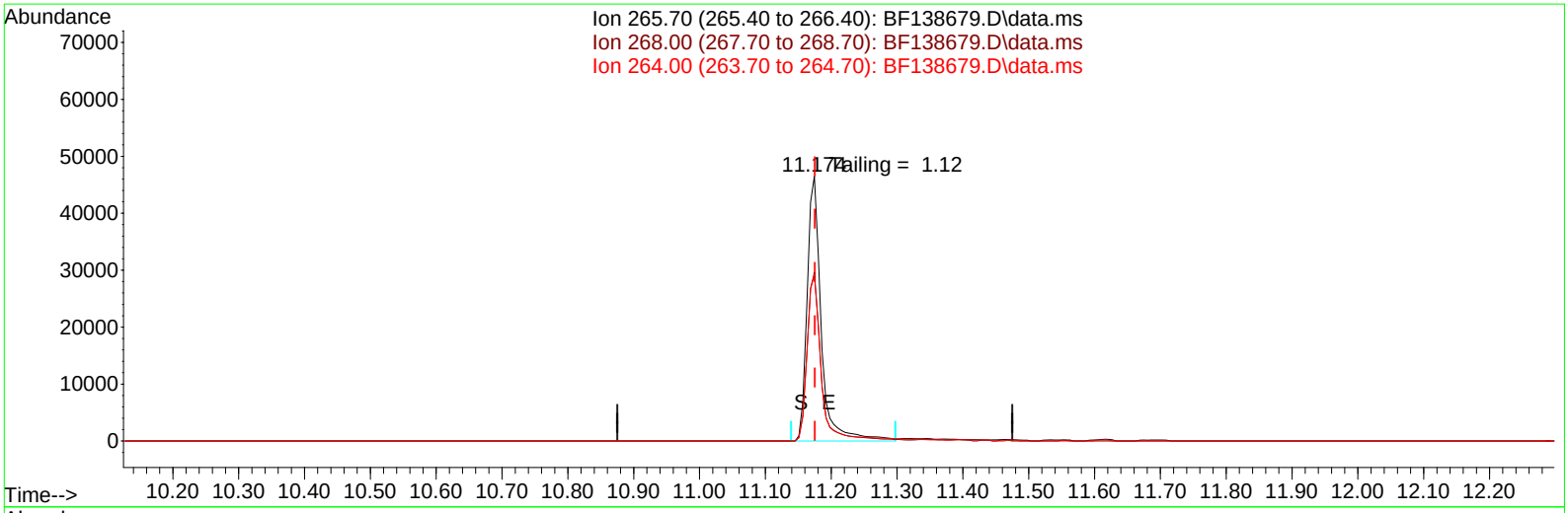
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.4	38677	PASS
68	69	0.00	2	1.9	605	PASS
69	198	0.00	100	41.1	32171	PASS
70	69	0.00	2	0.4	120	PASS
127	198	10	80	51.5	40312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	78240	PASS
199	198	5	9	6.8	5335	PASS
275	198	10	60	25.9	20277	PASS
365	198	1	100	2.9	2288	PASS
441	198	0.01	100	12.3	9630	PASS
442	442	50	100	100.0	61072	PASS
443	442	15	24	18.9	11558	PASS

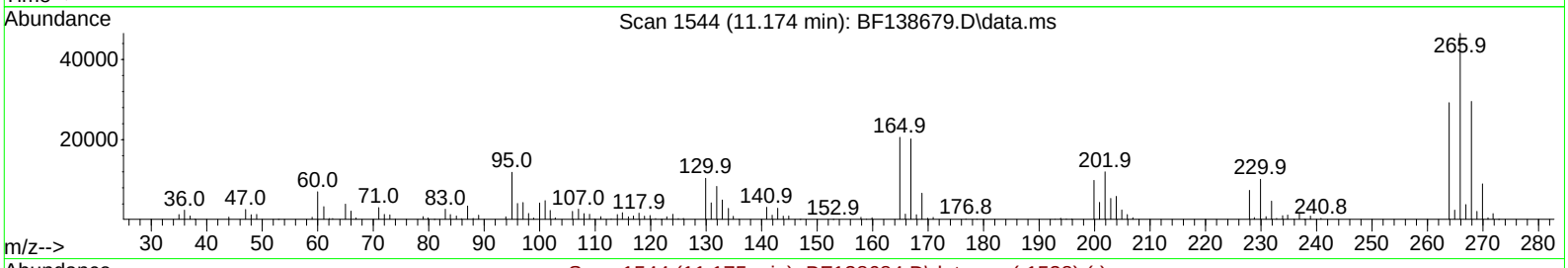
Sample Results: **BF138679.D**

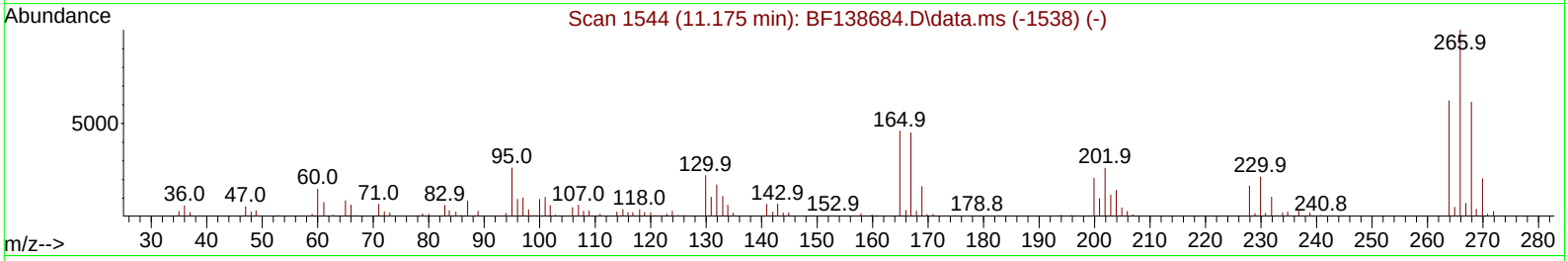
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 30 18:29:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration







TIC: BF138679.D\data.ms

(70) Pentachlorophenol (C)

11.174min (-0.001) 37845.67 ng

response 69604

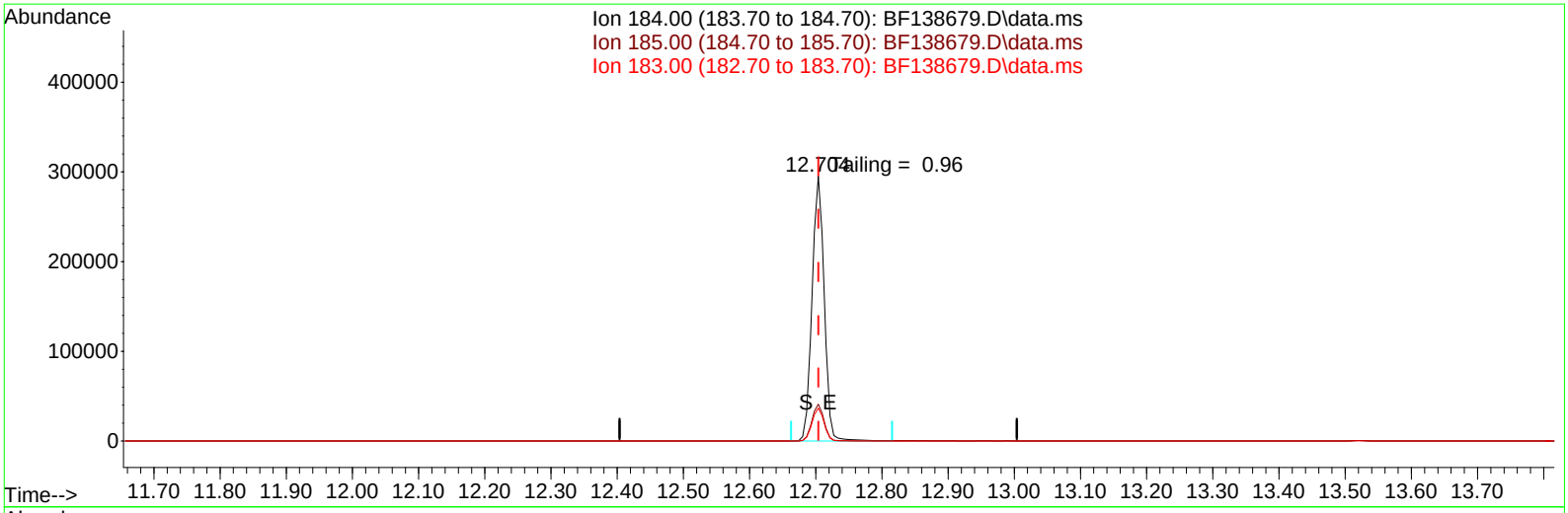
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.56
264.00	62.20	62.86
0.00	0.00	0.00

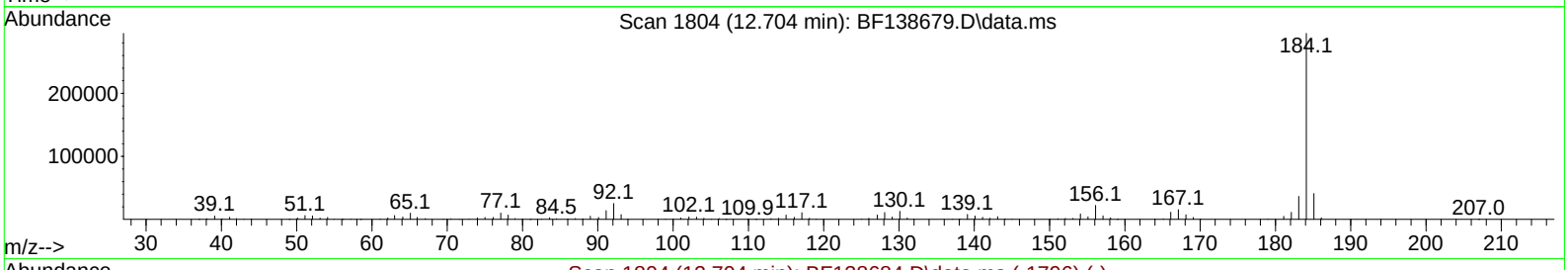
Sample Results: **BF138679.D**

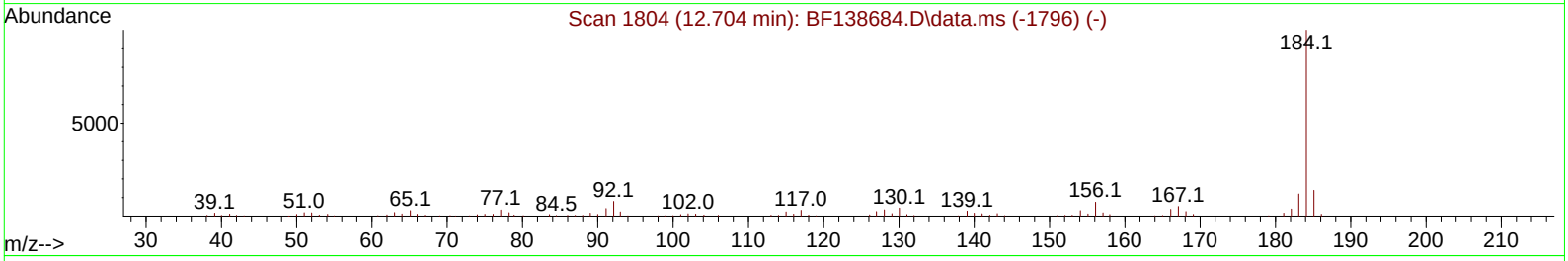
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 30 18:29:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration







TIC: BF138679.D\data.ms

(77) Benzidine

12.704min (-0.000) 0.00 ng

response 376863

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.91
183.00	12.00	12.39
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/30/2024	BNA_F	BF138679.D
Compound Name	**Response**	**Retention Time**
DDT	187682	13.521
DDD	3715	13.251
DDE	369	12.886
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4084	191766	2.13

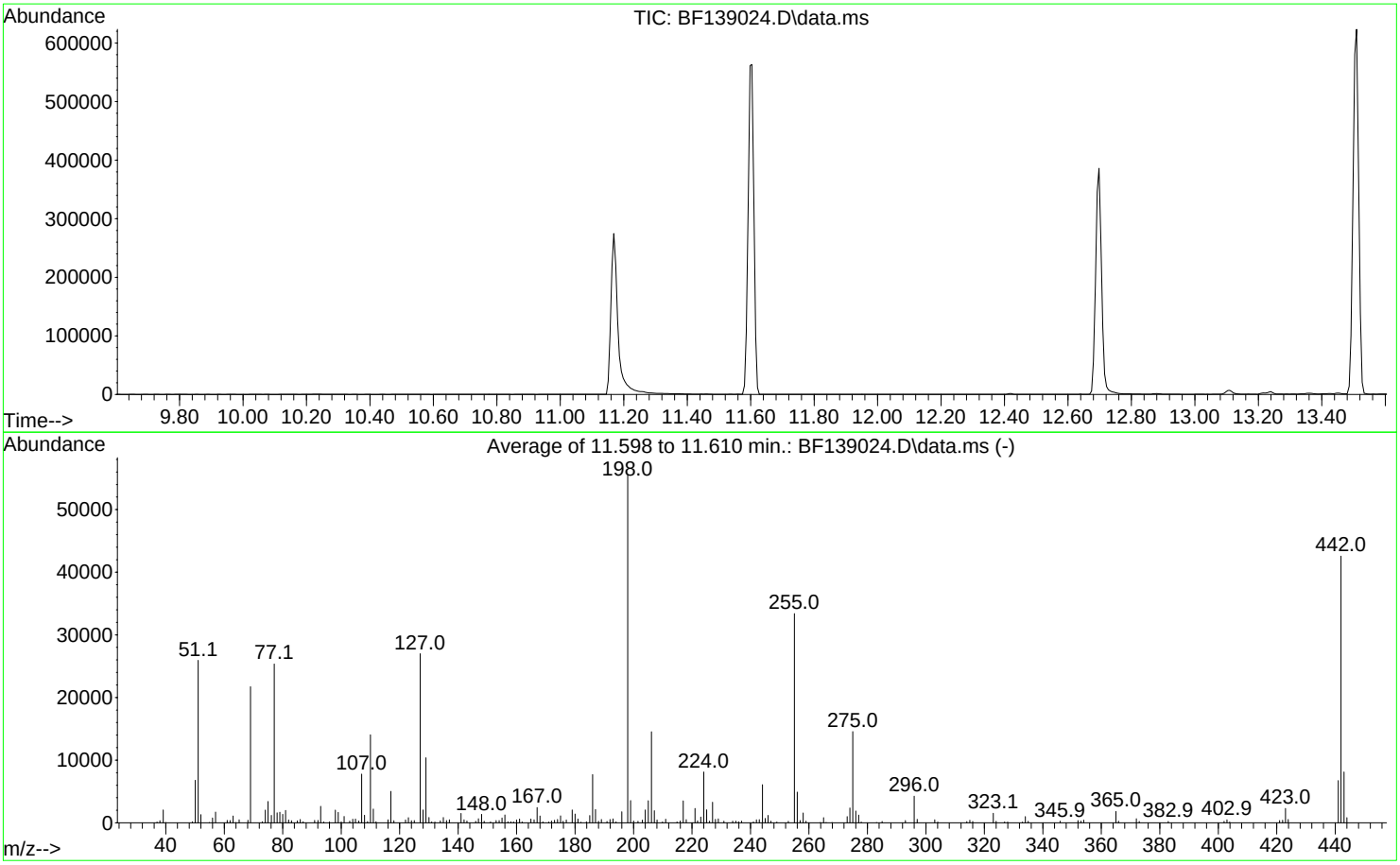
Sample Results: **BF139024.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139024.D
Acq On : 15 Aug 2024 16:00
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-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

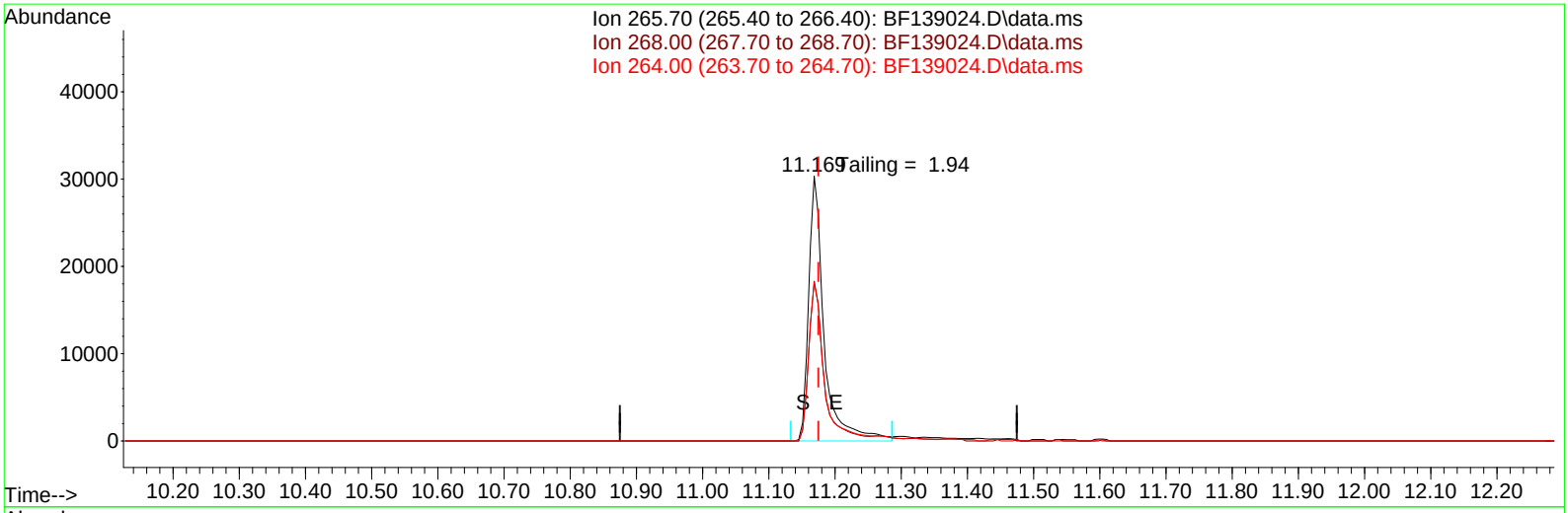
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	25940	PASS
68	69	0.00	2	1.9	410	PASS
69	198	0.00	100	39.1	21727	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	48.6	27000	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	55512	PASS
199	198	5	9	6.4	3546	PASS
275	198	10	60	26.2	14571	PASS
365	198	1	100	3.3	1818	PASS
441	198	0.01	100	12.1	6734	PASS
442	442	50	100	100.0	42581	PASS
443	442	15	24	19.1	8124	PASS

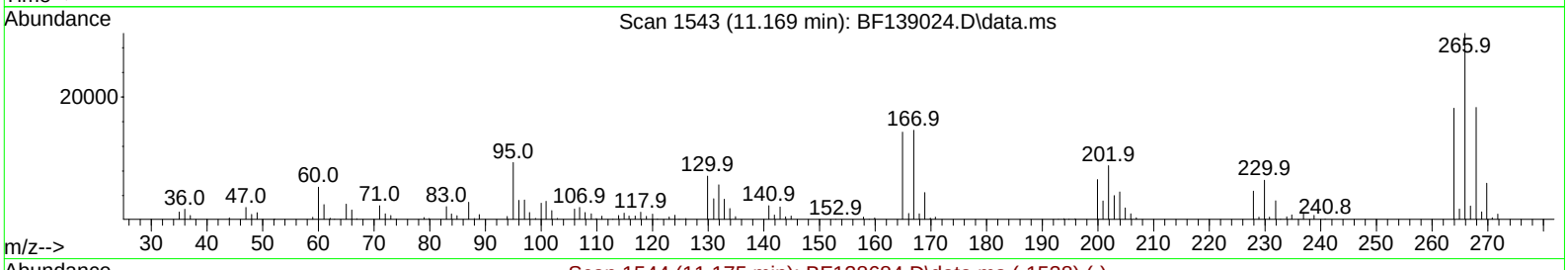
Sample Results: **BF139024.D**

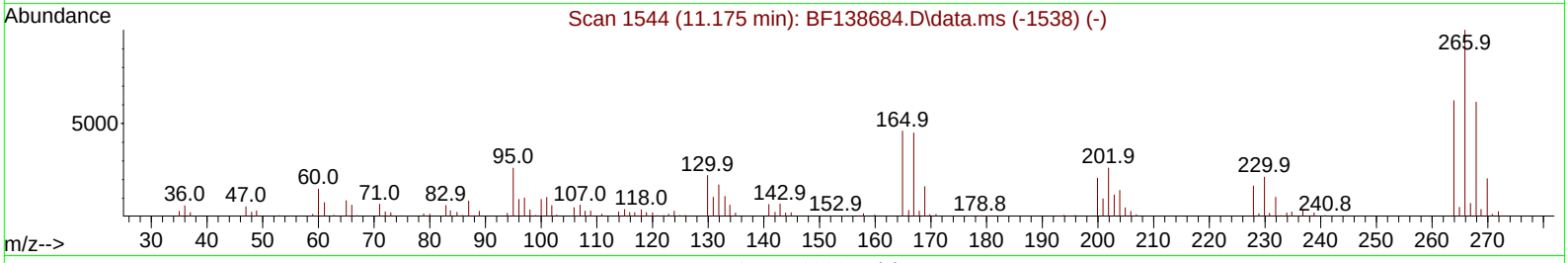
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139024.D
Acq On : 15 Aug 2024 16:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 17:03:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration







TIC: BF139024.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 39319.06 ng

response 49530

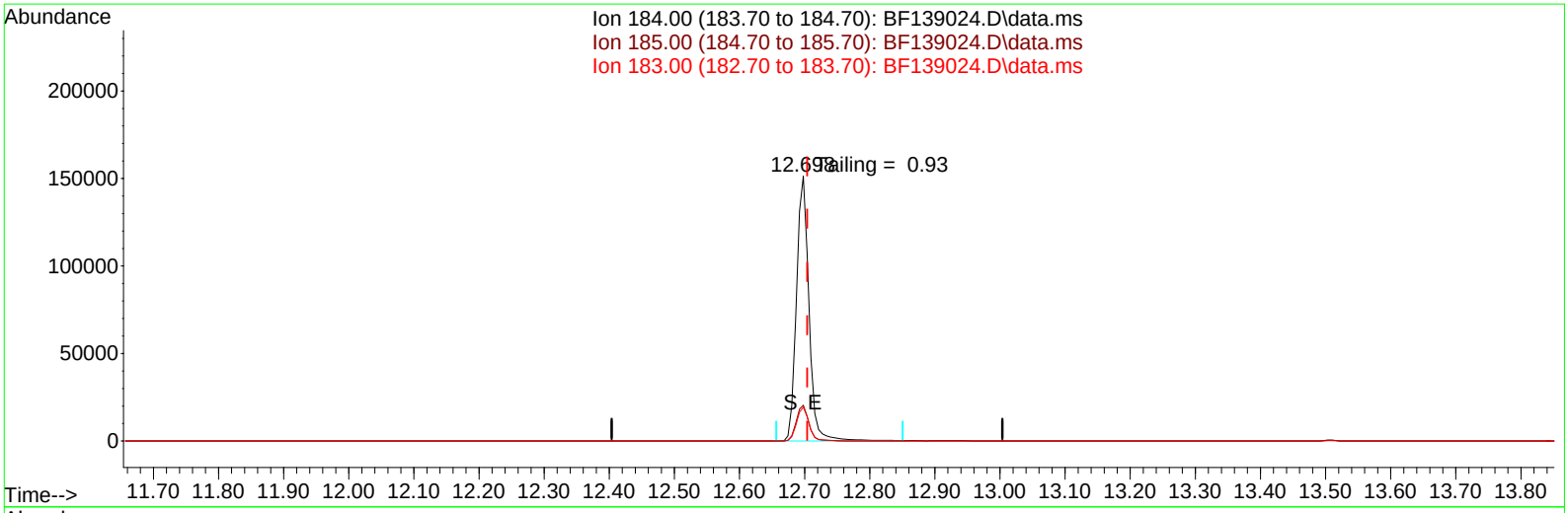
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	60.36
264.00	62.20	59.92
0.00	0.00	0.00

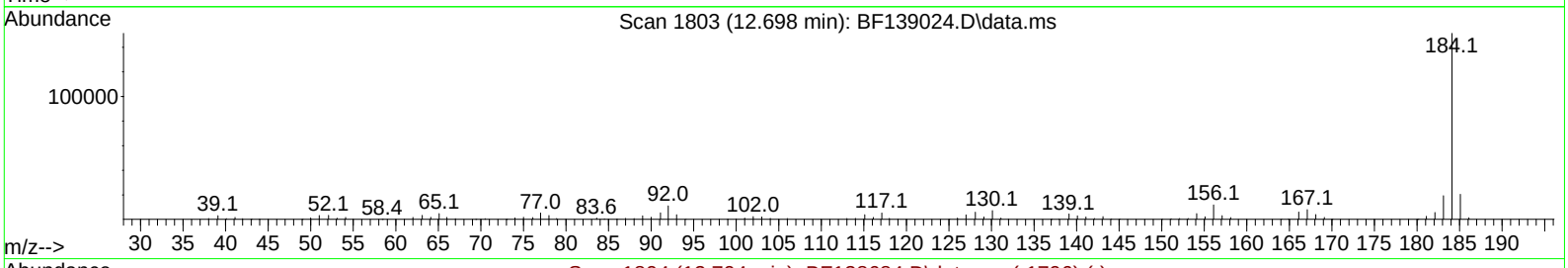
Sample Results: **BF139024.D**

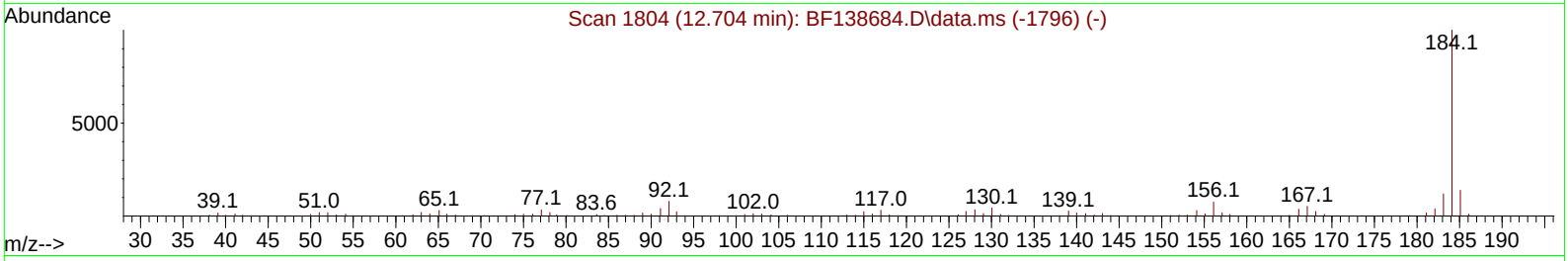
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139024.D
Acq On : 15 Aug 2024 16:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 15 17:03:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration







TIC: BF139024.D\data.ms

(77) Benzidine

12.698min (-0.006) 0.00 ng

response 202594

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.54
183.00	12.00	12.75
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/15/2024	BNA_F	BF139024.D
Compound Name	**Response**	**Retention Time**
DDT	148050	13.51
DDD	2408	13.239
DDE	515	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2923	150973	1.94

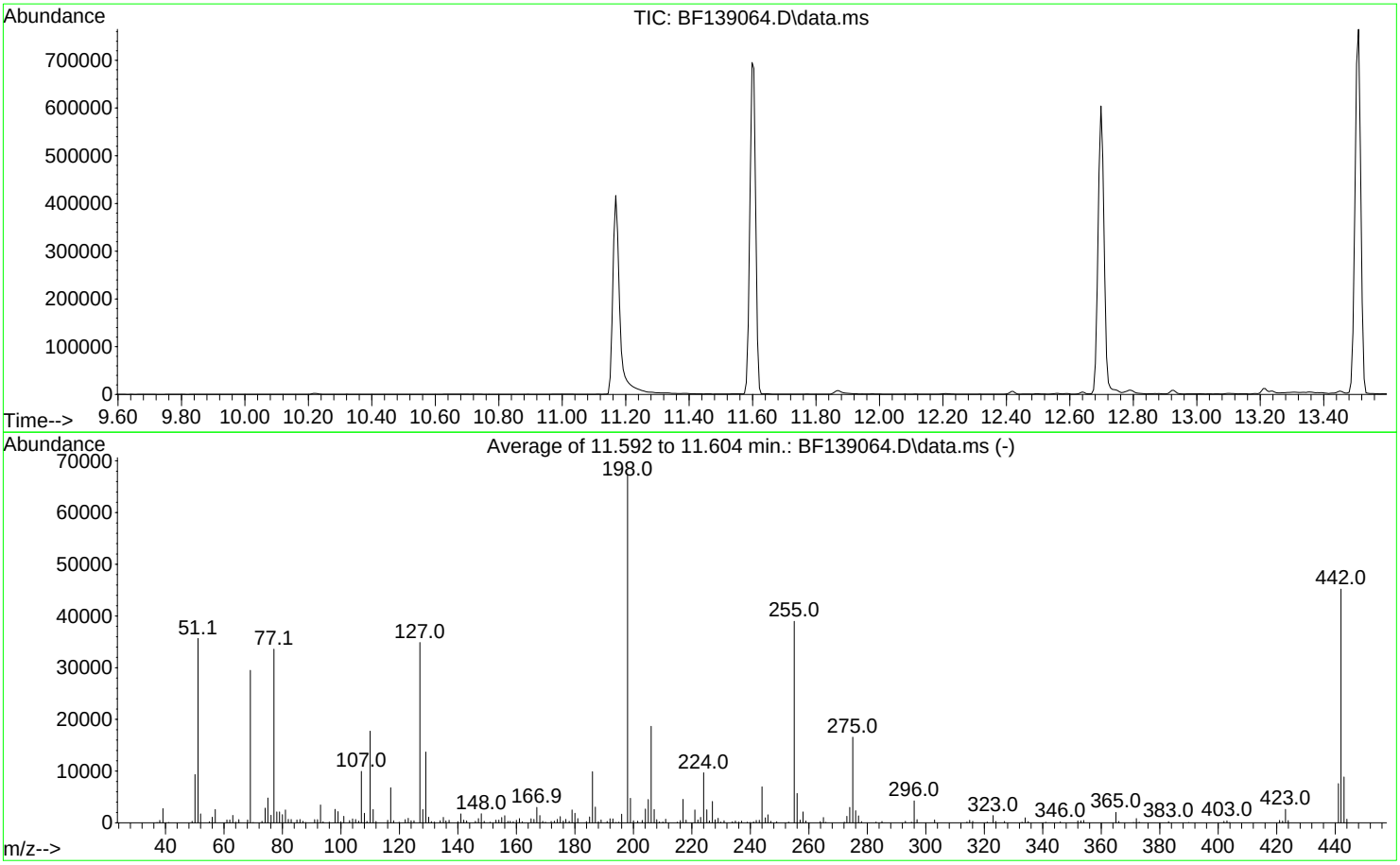
Sample Results: **BF139064.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139064.D
Acq On : 19 Aug 2024 08:41
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-BF073024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 30 17:50:01 2024



AutoFind: Scans 1615, 1616, 1617; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	53.0	35667	PASS
68	69	0.00	2	1.9	546	PASS
69	198	0.00	100	43.8	29493	PASS
70	69	0.00	2	0.2	62	PASS
127	198	10	80	51.9	34880	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	67267	PASS
199	198	5	9	7.0	4735	PASS
275	198	10	60	24.6	16565	PASS
365	198	1	100	3.0	2022	PASS
441	198	0.01	100	11.3	7575	PASS
442	442	50	100	100.0	45200	PASS
443	442	15	24	19.6	8868	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

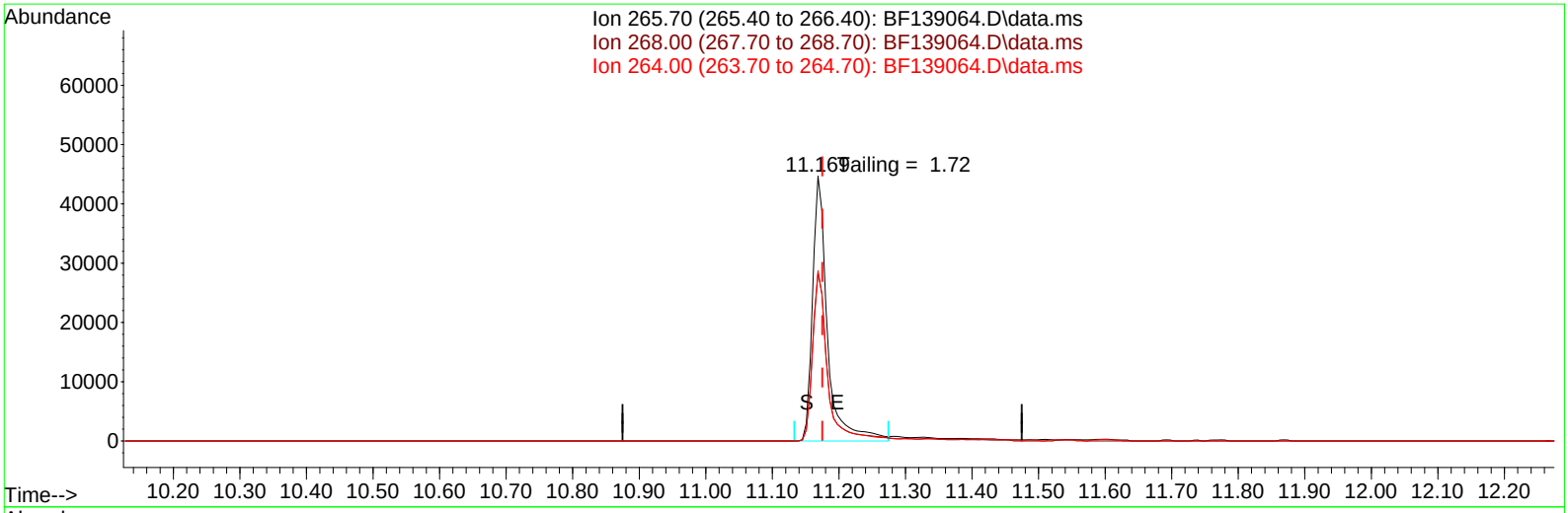
Date	Instrument Name	DFTPP Data File
8/19/2024	BNA_F	BF139064.D
Compound Name	**Response**	**Retention Time**
DDT	181200	13.51
DDD	5469	13.216
DDE	771	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6240	187440	3.33

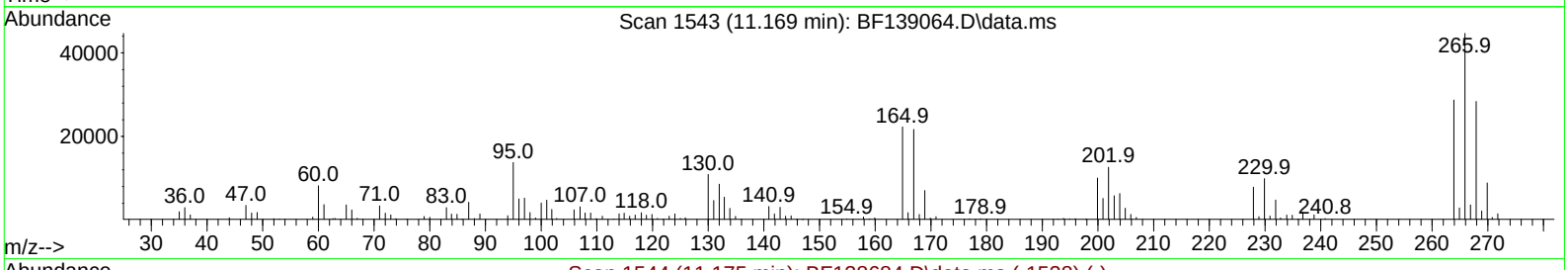
Sample Results: **BF139064.D**

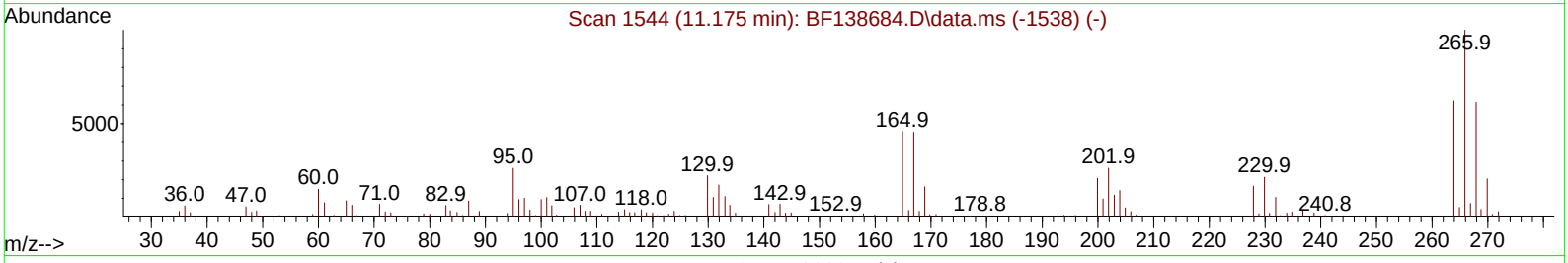
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139064.D
Acq On : 19 Aug 2024 08:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 19 11:09:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration







TIC: BF139064.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 65165.03 ng

response 69939

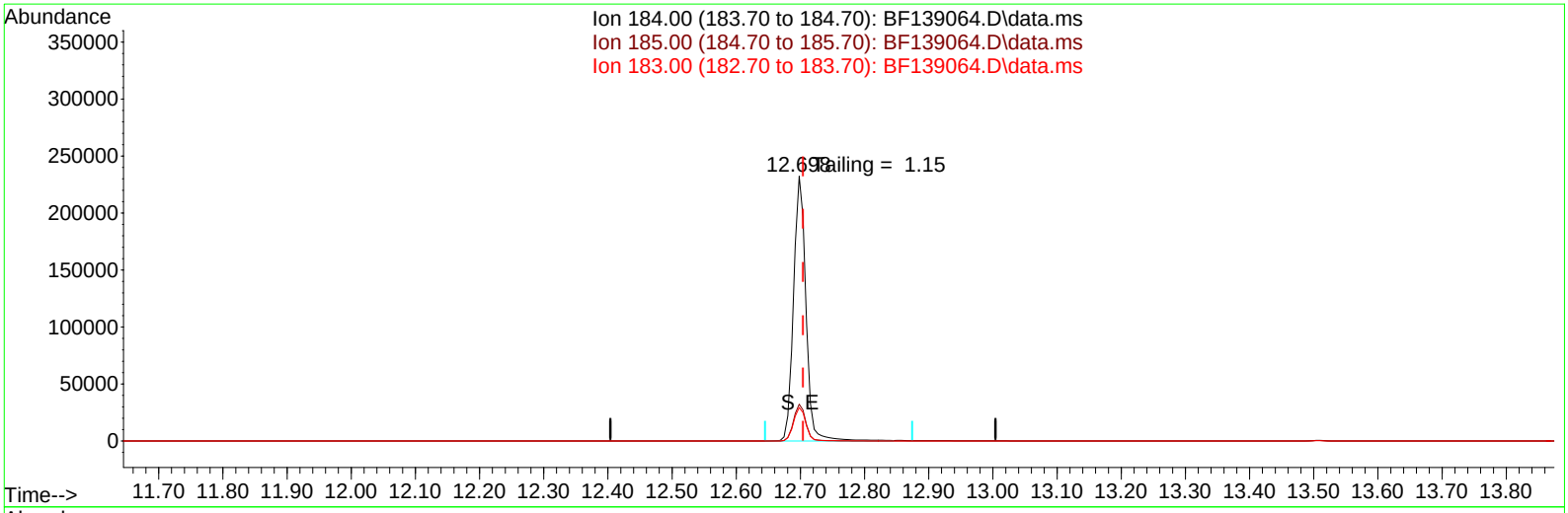
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.57
264.00	62.20	64.34
0.00	0.00	0.00

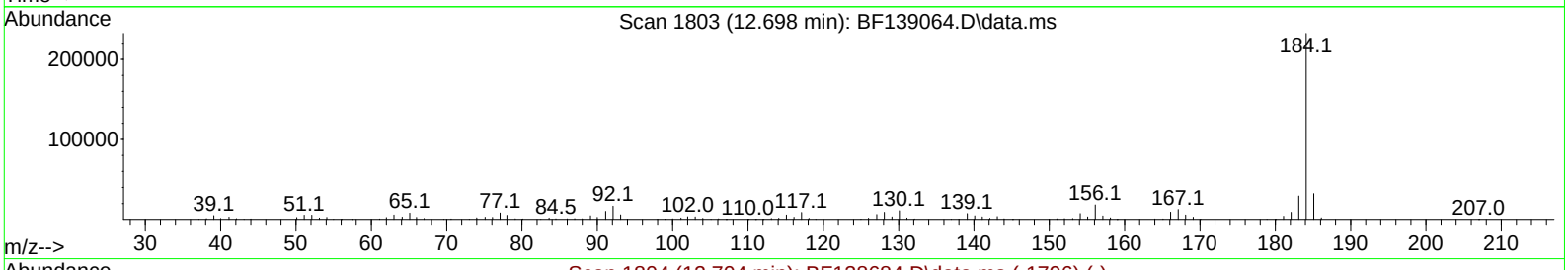
Sample Results: **BF139064.D**

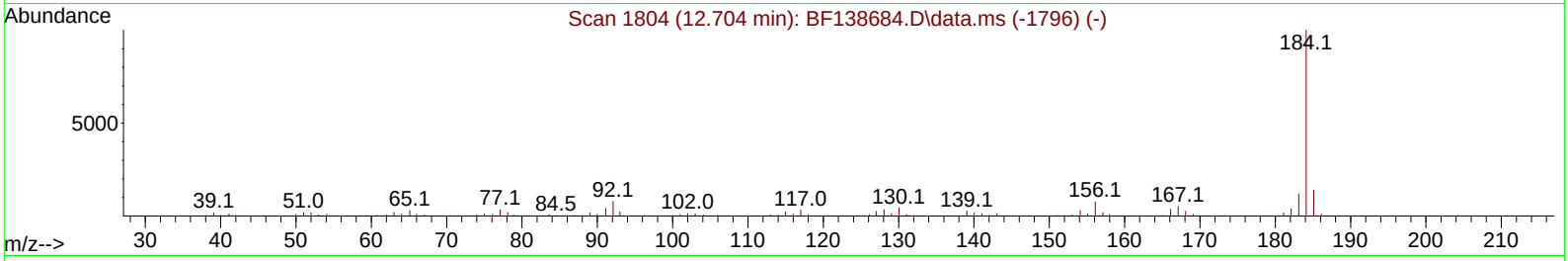
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139064.D
Acq On : 19 Aug 2024 08:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 19 11:09:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration







TIC: BF139064.D\data.ms

(77) Benzidine

12.698min (-0.006) 0.00 ng m

response 313382

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.94
183.00	12.00	12.66
0.00	0.00	0.00

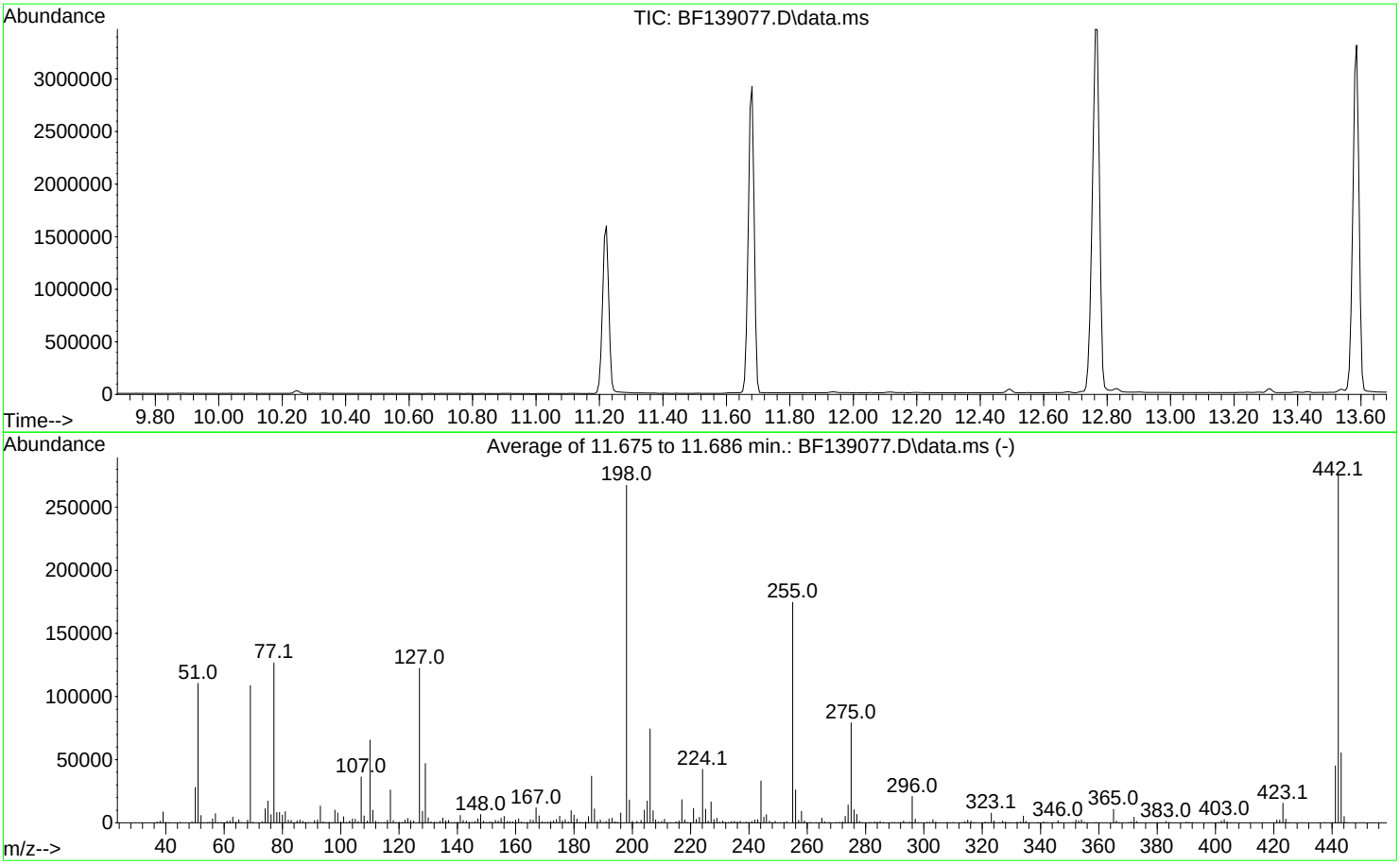
Sample Results: **BF139077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139077.D
Acq On : 20 Aug 2024 16:39
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-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024



AutoFind: Scans 1629, 1630, 1631; Background Corrected with Scan 1621

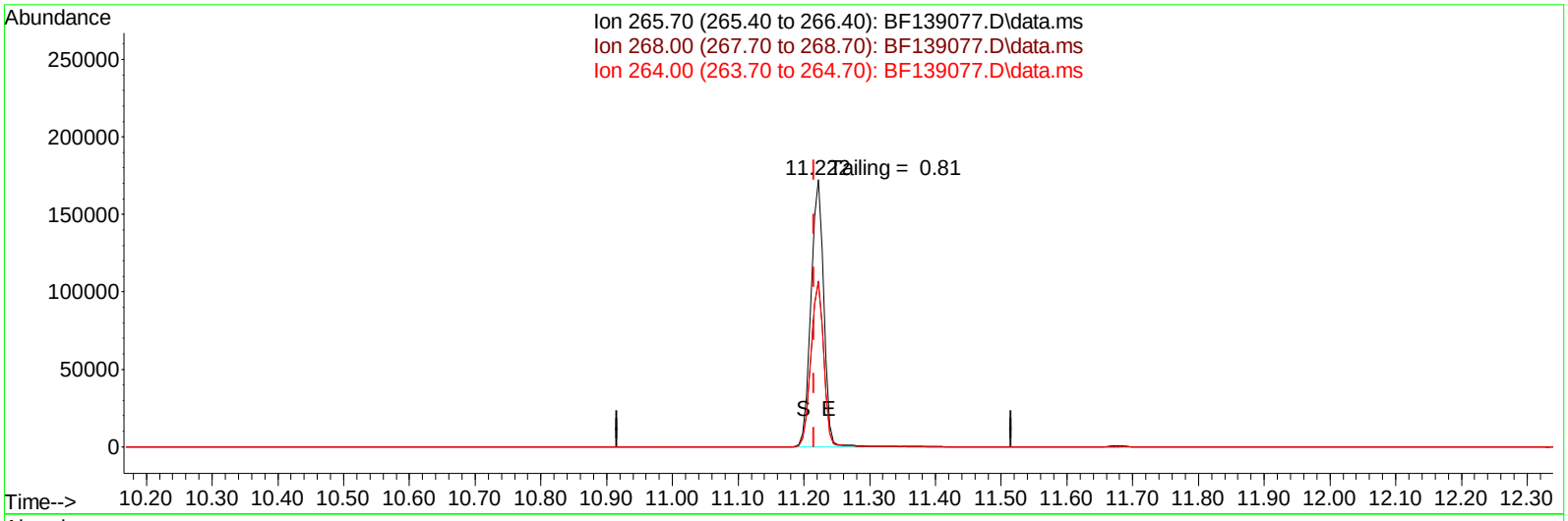
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.3	110429	PASS
68	69	0.00	2	2.0	2125	PASS
69	198	0.00	100	40.7	108717	PASS
70	69	0.00	2	0.4	479	PASS
127	198	10	80	45.8	122331	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	267328	PASS
199	198	5	9	6.8	18110	PASS
275	198	10	60	29.6	79200	PASS
365	198	1	100	4.0	10643	PASS
441	198	0.01	100	16.9	45136	PASS
442	442	50	100	100.0	275456	PASS
443	442	15	24	20.2	55515	PASS

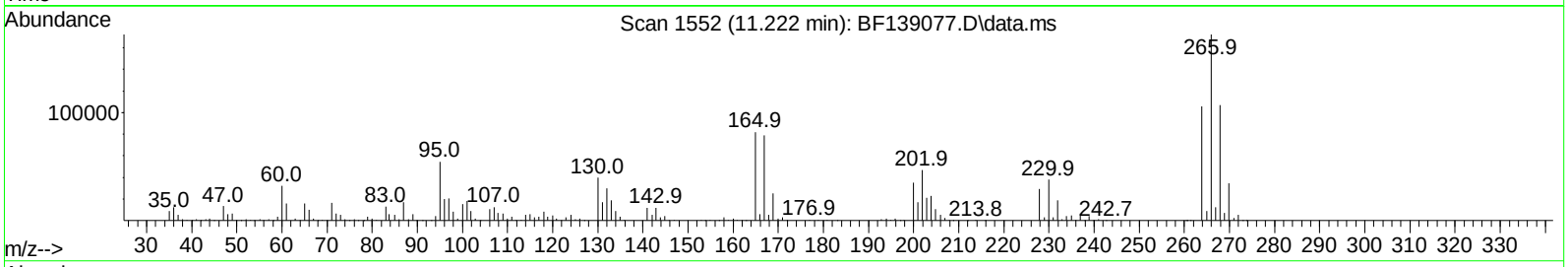
Sample Results: **BF139077.D**

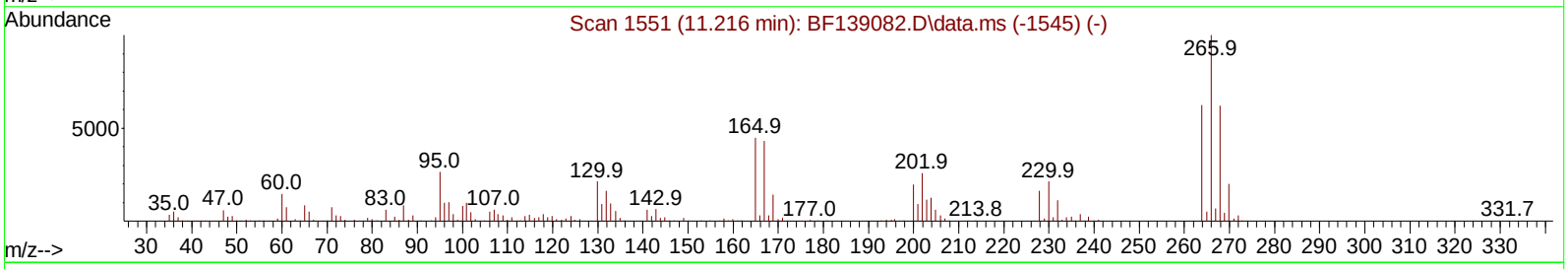
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139077.D
Acq On : 20 Aug 2024 16:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139077.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.006) 19410.97 ng

response 232437

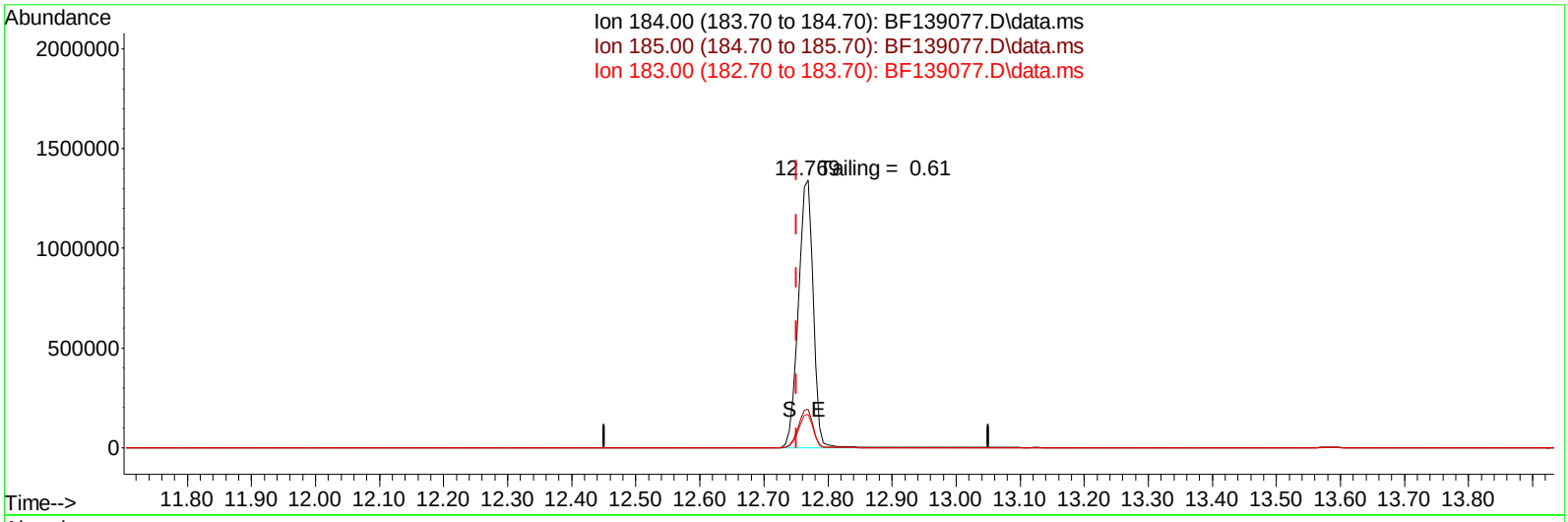
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	62.12
264.00	62.50	61.53
0.00	0.00	0.00

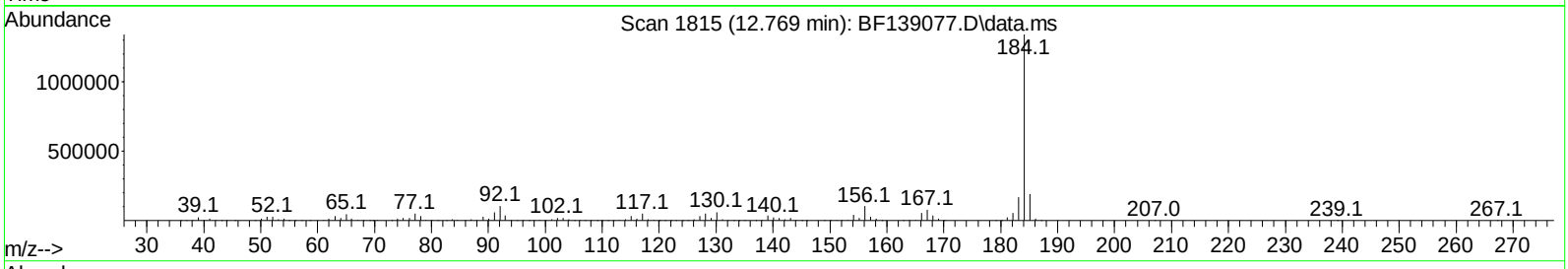
Sample Results: **BF139077.D**

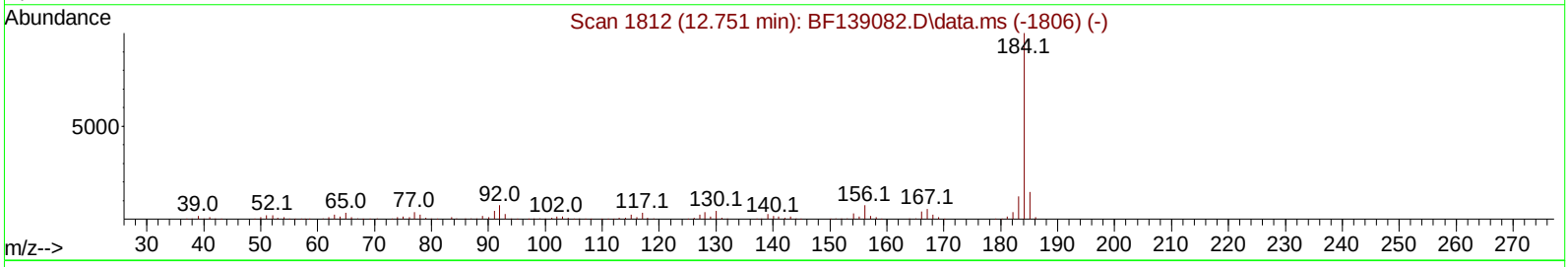
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139077.D
Acq On : 20 Aug 2024 16:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 21 01:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139077.D\data.ms

(77) Benzidine

12.769min (+ 0.018) 0.00 ng

response 2156347

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.24
183.00	12.20	12.45
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_F	BF139077.D
Compound Name	**Response**	**Retention Time**
DDT	770140	13.586
DDD	8377	13.231
DDE	0	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8377	778517	1.08

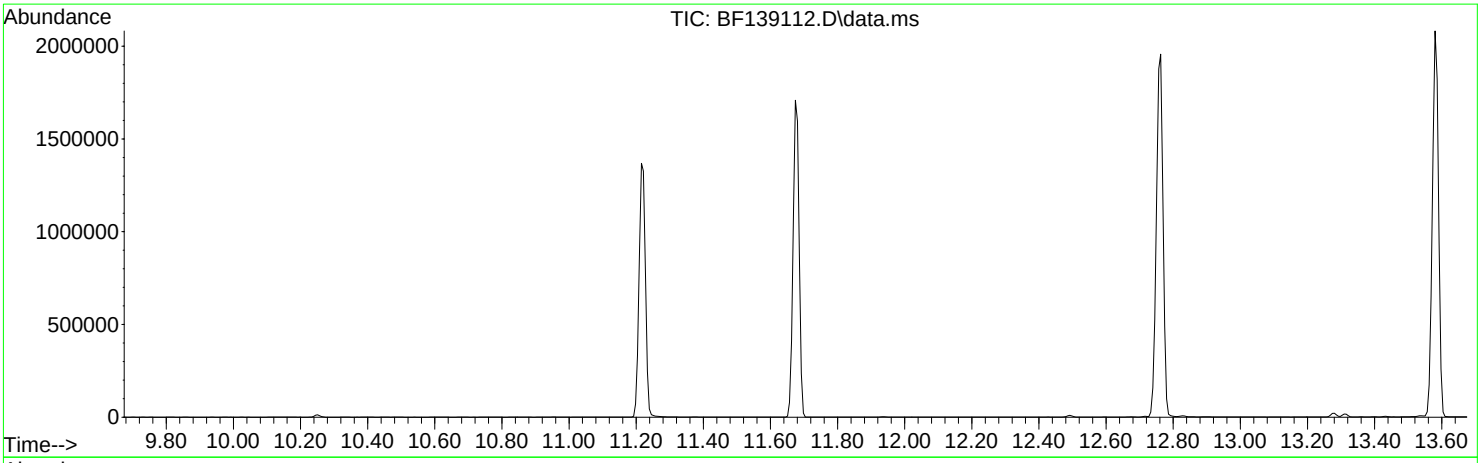
Sample Results: **BF139112.D**

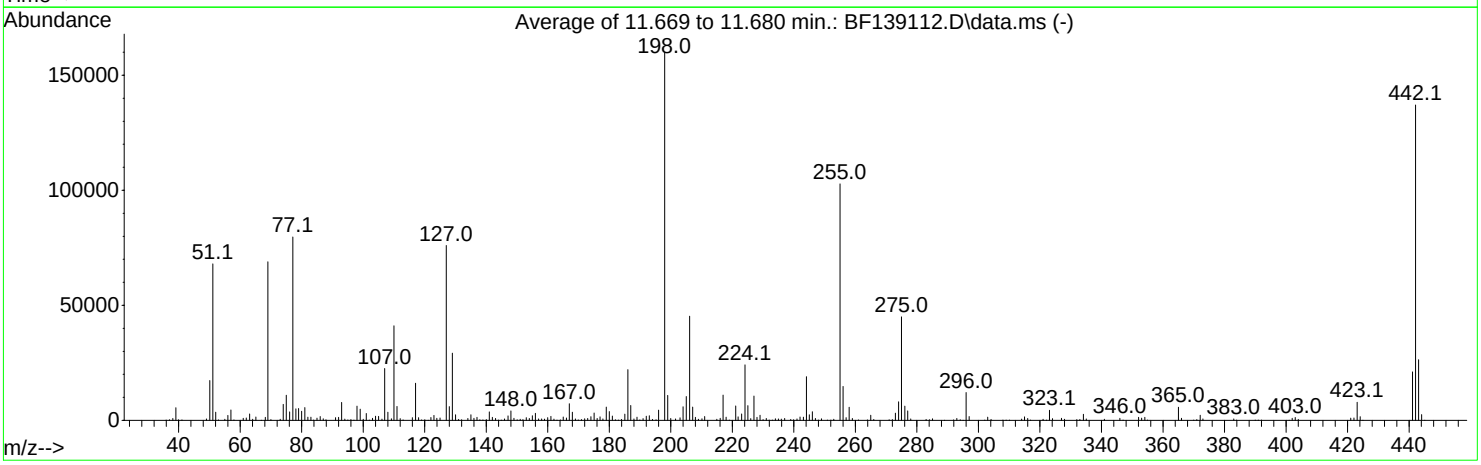
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139112.D
Acq On : 22 Aug 2024 09:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 21 01:25:05 2024





AutoFind: Scans 1628, 1629, 1630; Background Corrected with Scan 1622

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.6	68035	PASS
68	69	0.00	2	1.9	1326	PASS
69	198	0.00	100	43.1	68907	PASS
70	69	0.00	2	0.6	386	PASS
127	198	10	80	47.5	76008	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	159885	PASS
199	198	5	9	6.8	10861	PASS
275	198	10	60	28.1	44981	PASS
365	198	1	100	3.6	5740	PASS
441	198	0.01	100	13.2	21071	PASS
442	442	50	100	100.0	137080	PASS
443	442	15	24	19.3	26390	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

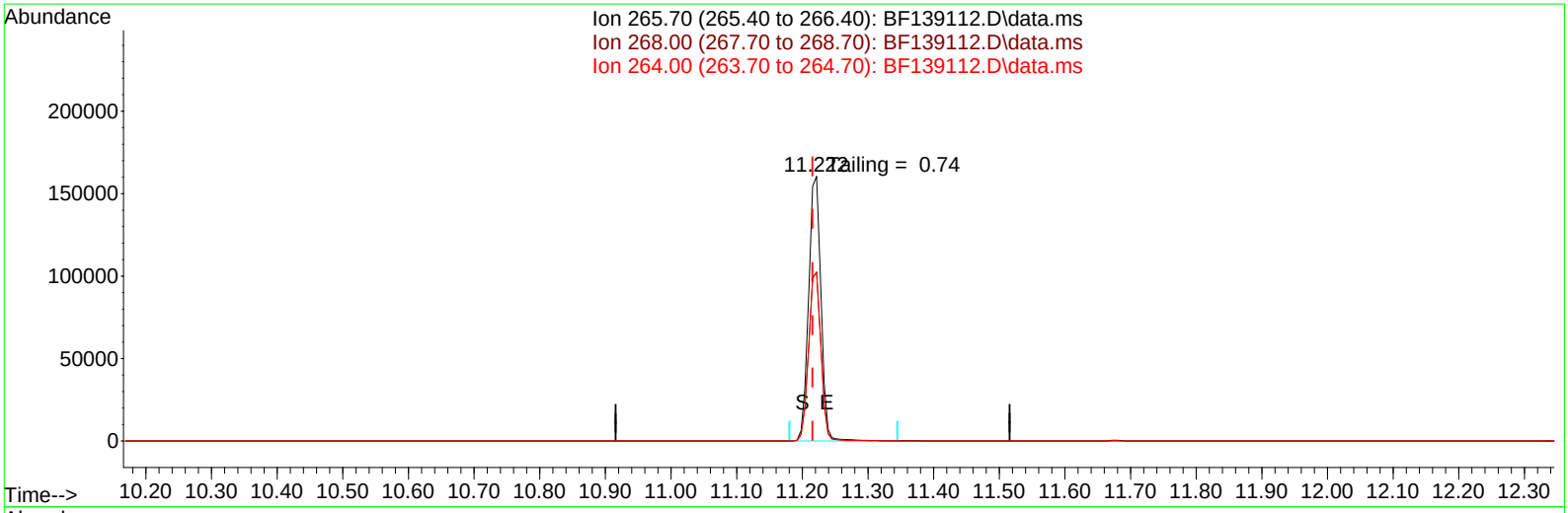
Date	Instrument Name	DFTPP Data File
8/22/2024	BNA_F	BF139112.D
Compound Name	**Response**	**Retention Time**
DDT	502801	13.58
DDD	10401	13.28
DDE	229	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10630	513431	2.07

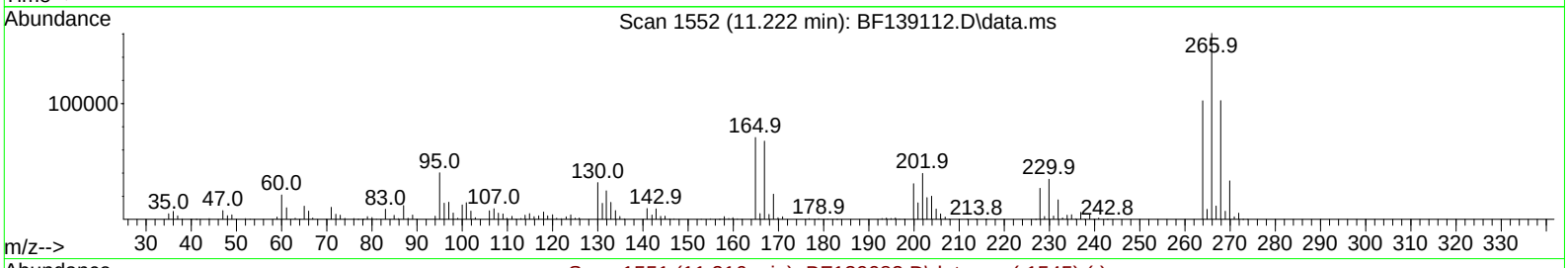
Sample Results: **BF139112.D**

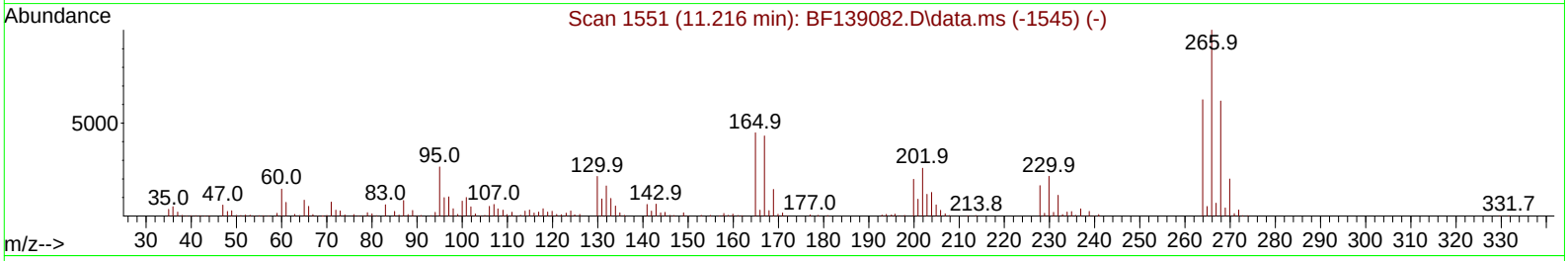
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139112.D
Acq On : 22 Aug 2024 09:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139112.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.006) 34840.56 ng

response 211256

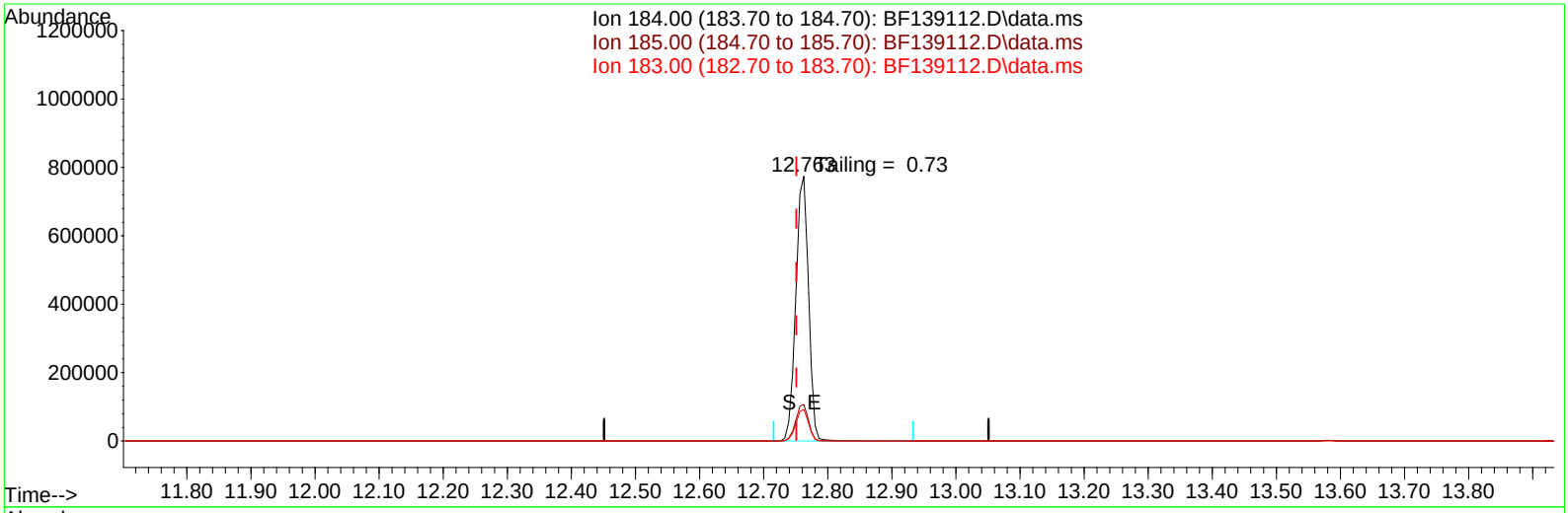
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.90	63.87
264.00	62.50	63.77
0.00	0.00	0.00

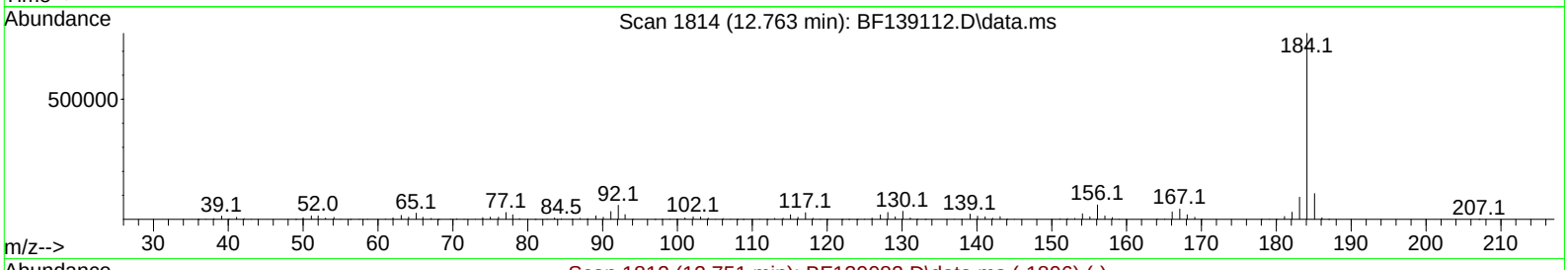
Sample Results: **BF139112.D**

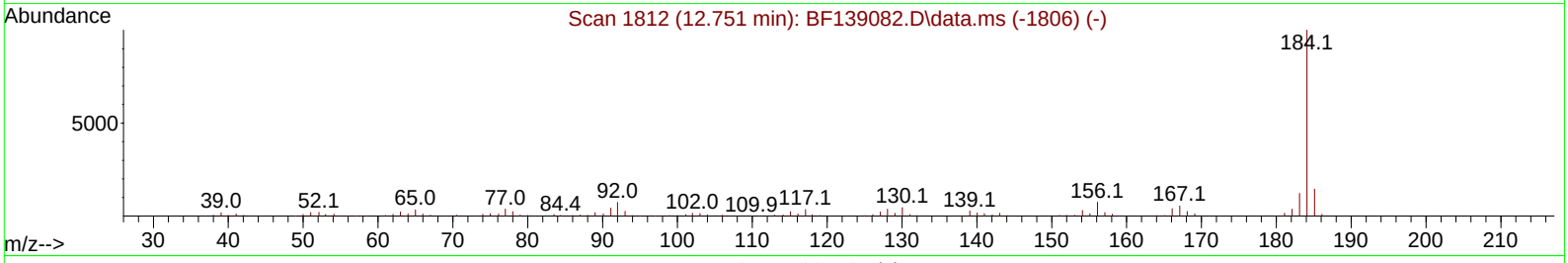
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139112.D
Acq On : 22 Aug 2024 09:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 22 10:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration







TIC: BF139112.D\data.ms

(77) Benzidine

12.763min (+ 0.012) 0.00 ng

response 1070049

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.87
183.00	12.20	11.96
0.00	0.00	0.00

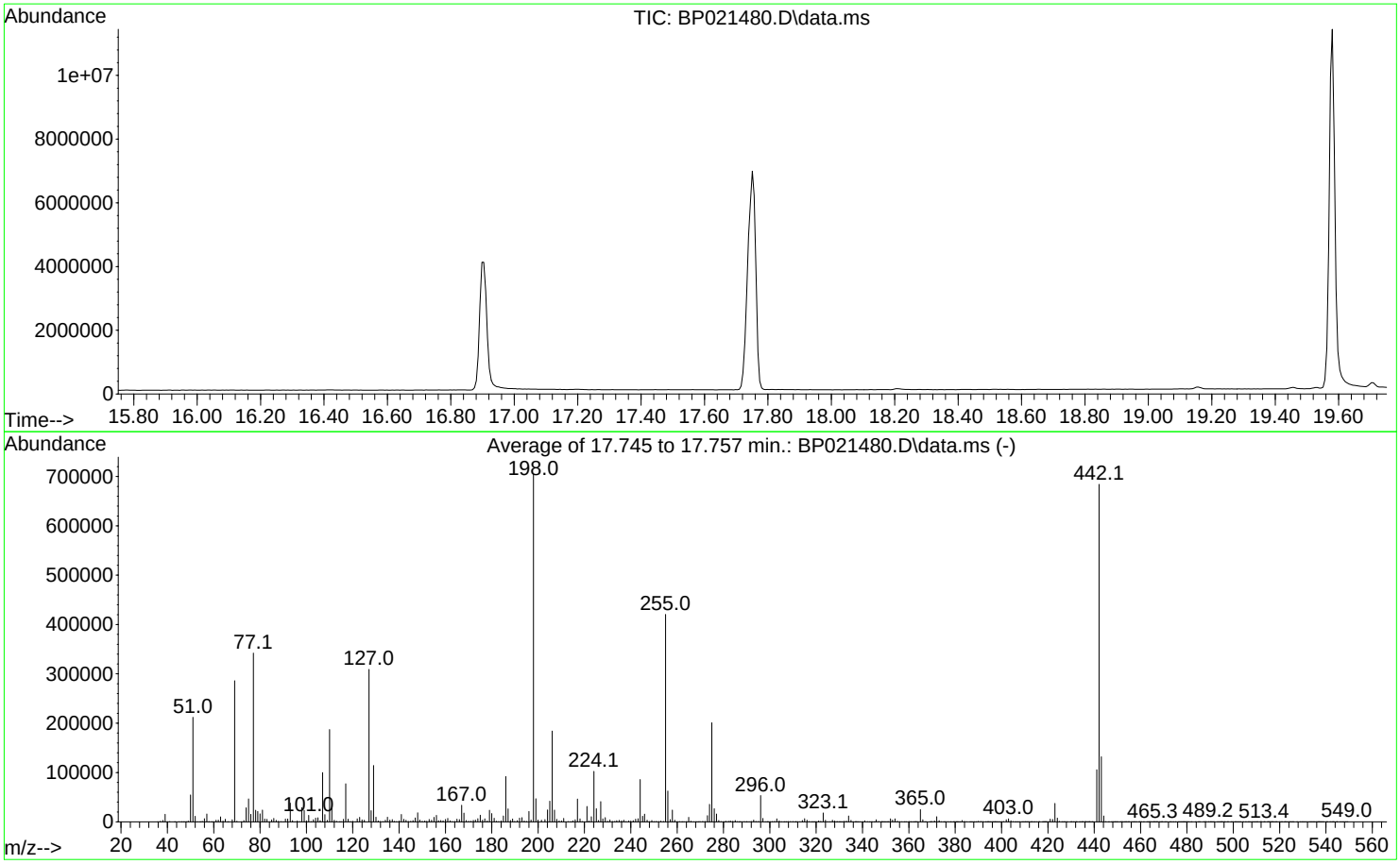
Sample Results: **BP021480.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024



AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2499

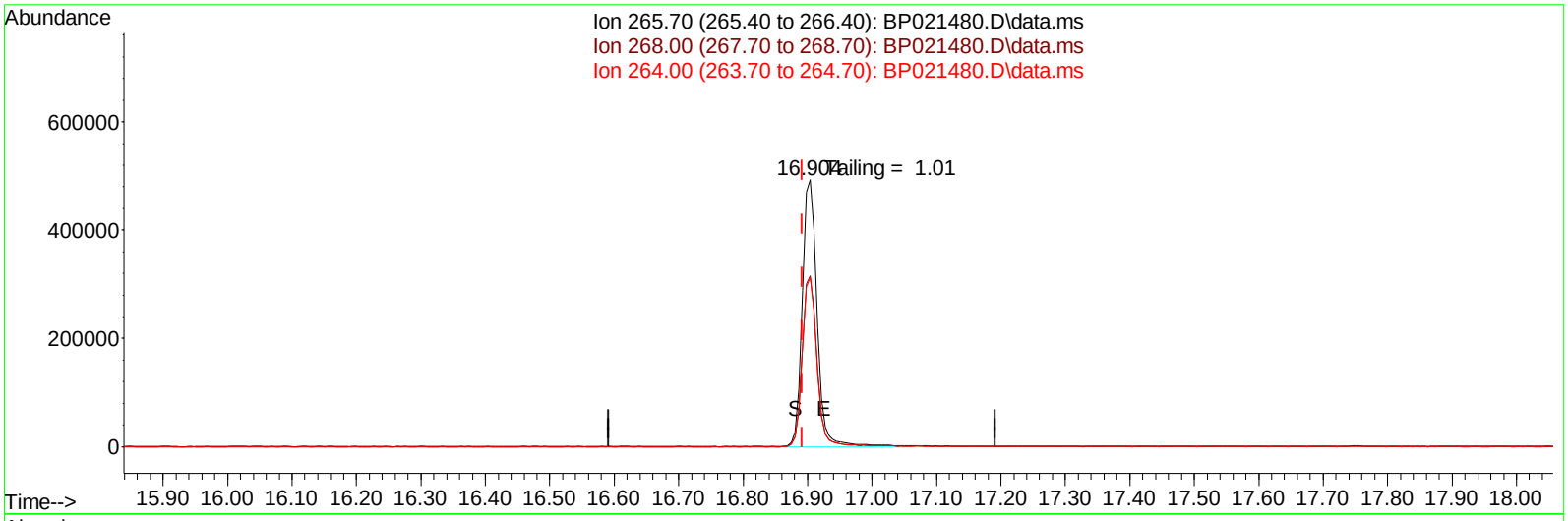
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.1	212028	PASS
68	69	0.00	2	1.5	4256	PASS
69	198	0.00	100	40.6	286100	PASS
70	69	0.00	2	0.4	1197	PASS
127	198	10	80	43.9	309160	PASS
197	198	0.00	2	0.5	3666	PASS
198	198	100	100	100.0	704123	PASS
199	198	5	9	6.6	46731	PASS
275	198	10	60	28.5	200892	PASS
365	198	1	100	3.5	24968	PASS
441	198	0.01	100	15.0	105600	PASS
442	442	100	100	100.0	684335	PASS
443	442	15	24	19.3	131982	PASS

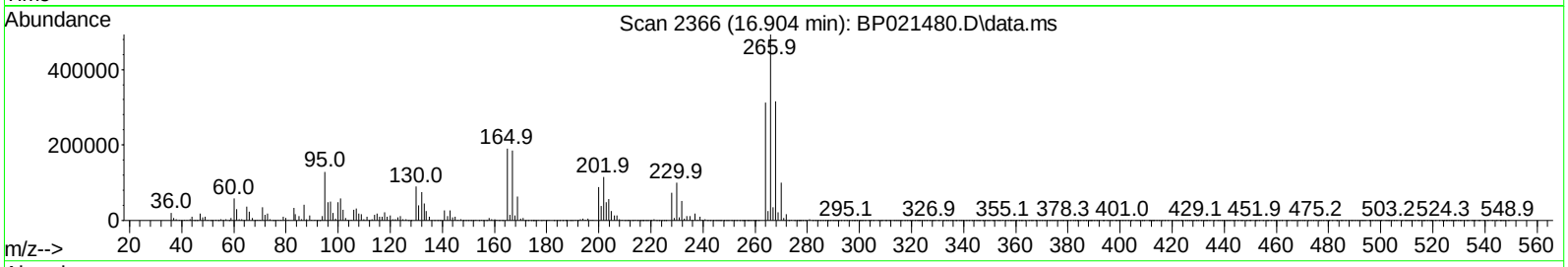
Sample Results: **BP021480.D**

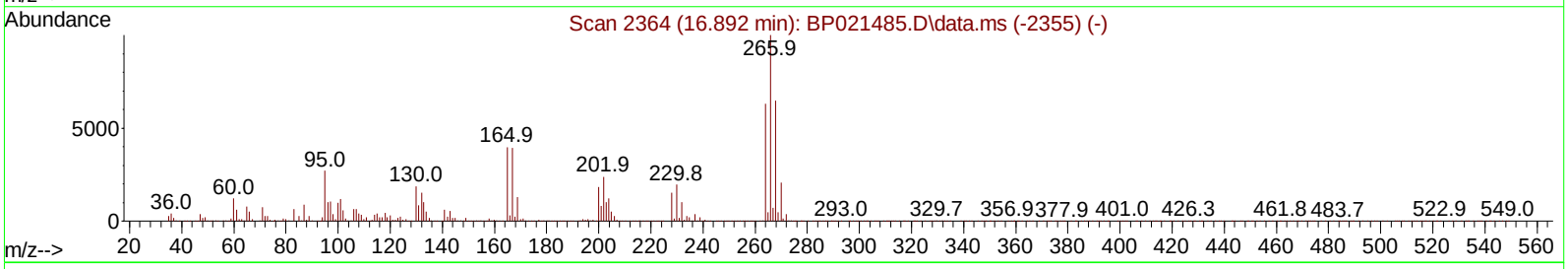
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 6855729.98 ng

response 795611

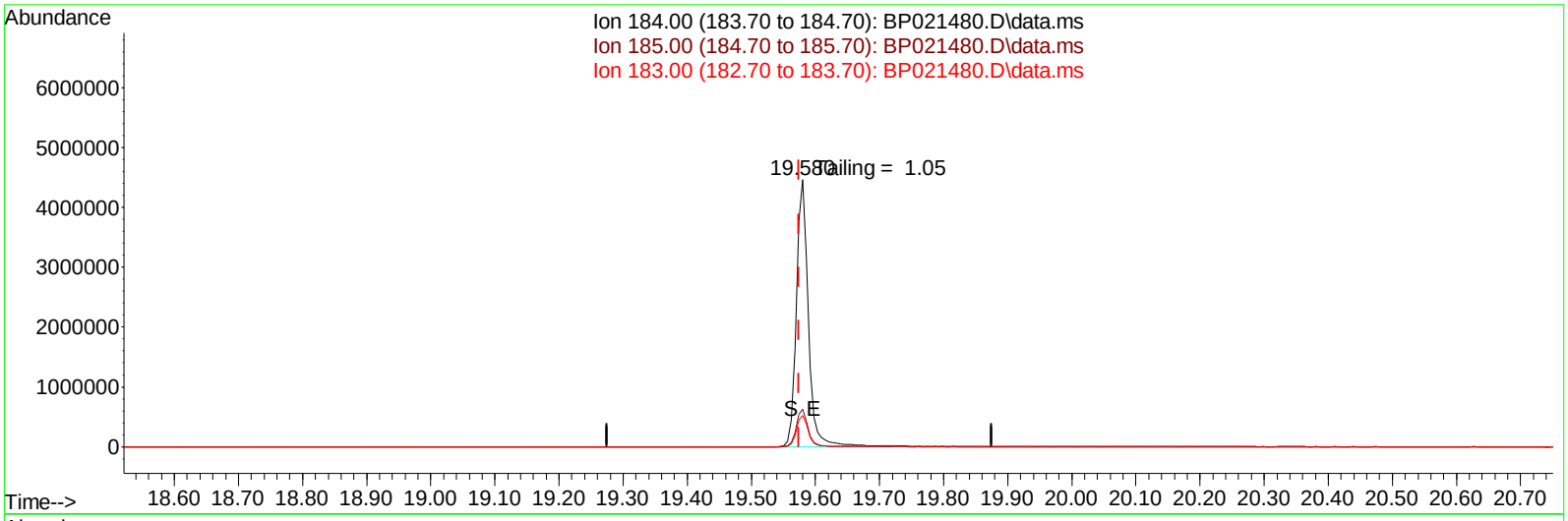
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	64.10
264.00	63.10	63.36
0.00	0.00	0.00

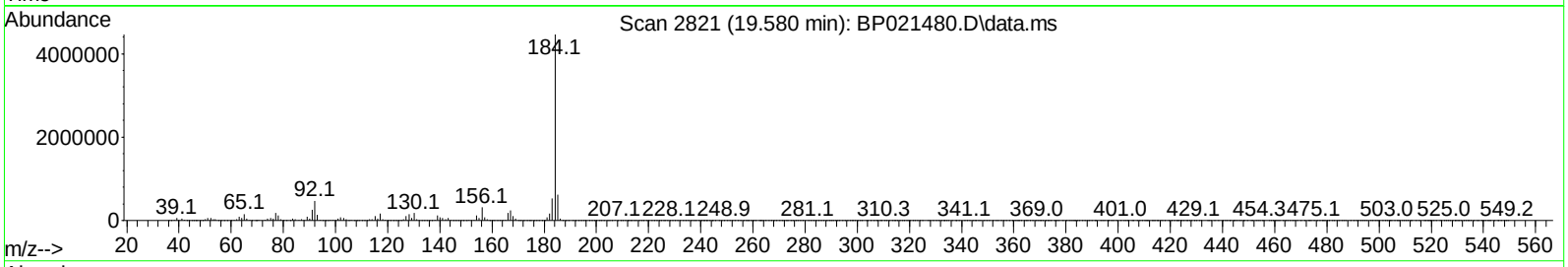
Sample Results: **BP021480.D**

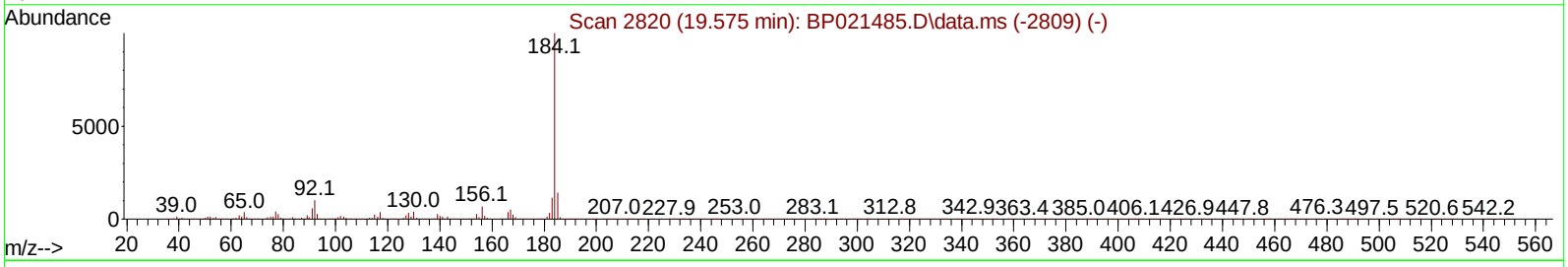
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(77) Benzidine

19.580min (+ 0.005) -20.00 ng

response 5830874

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.05
183.00	11.60	11.75
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/13/2024	BNA_P	BP021480.D
Compound Name	**Response**	**Retention Time**
DDT	2081689	20.88
DDD	17224	20.486
DDE	158	19.962
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17382	2099071	0.83

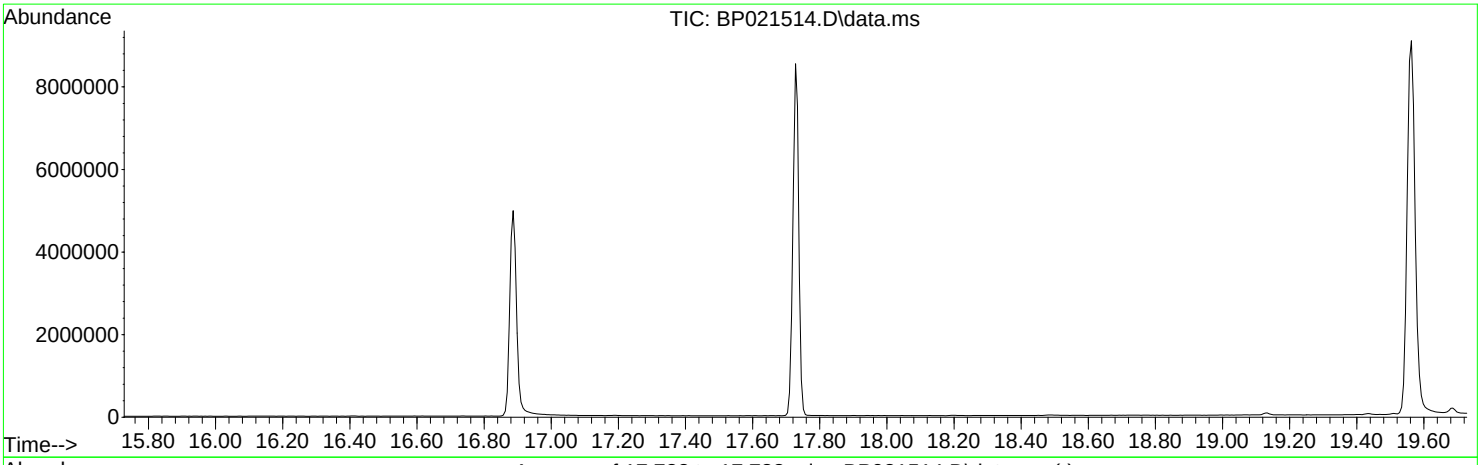
Sample Results: **BP021514.D**

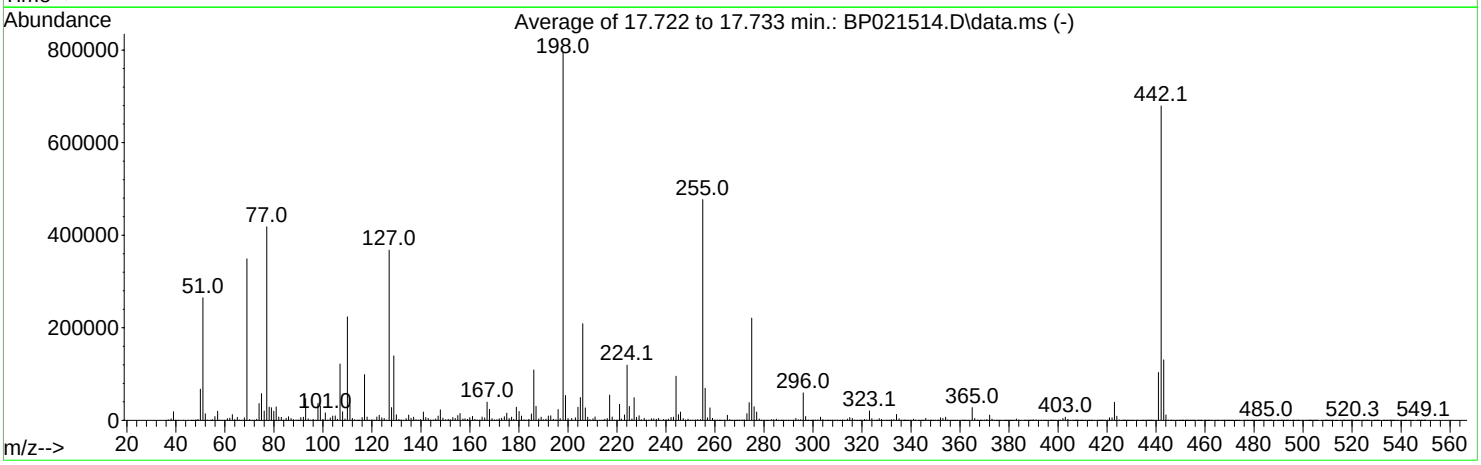
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021514.D
Acq On : 15 Aug 2024 14:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024





AutoFind: Scans 2505, 2506, 2507; Background Corrected with Scan 2494

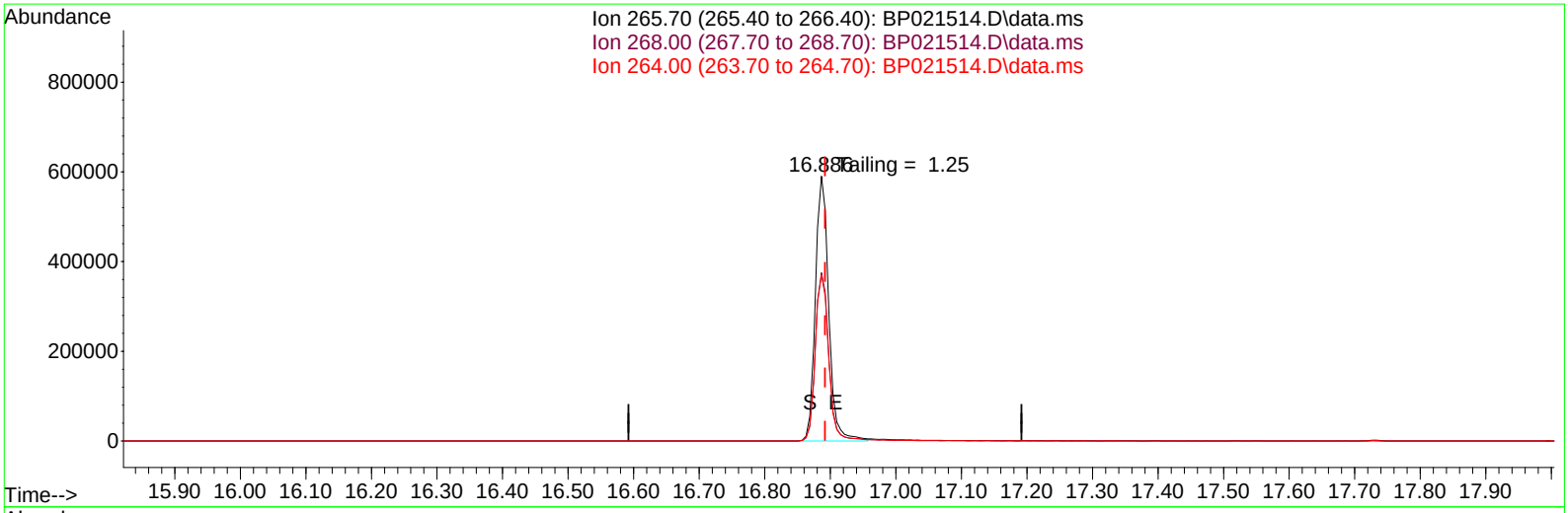
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.3	264729	PASS
68	69	0.00	2	1.6	5584	PASS
69	198	0.00	100	43.9	349232	PASS
70	69	0.00	2	0.5	1759	PASS
127	198	10	80	46.3	367723	PASS
197	198	0.00	2	0.5	3836	PASS
198	198	100	100	100.0	794679	PASS
199	198	5	9	6.8	53996	PASS
275	198	10	60	27.8	220736	PASS
365	198	1	100	3.5	27727	PASS
441	198	0.01	100	13.0	103203	PASS
442	442	100	100	100.0	679166	PASS
443	442	15	24	19.2	130616	PASS

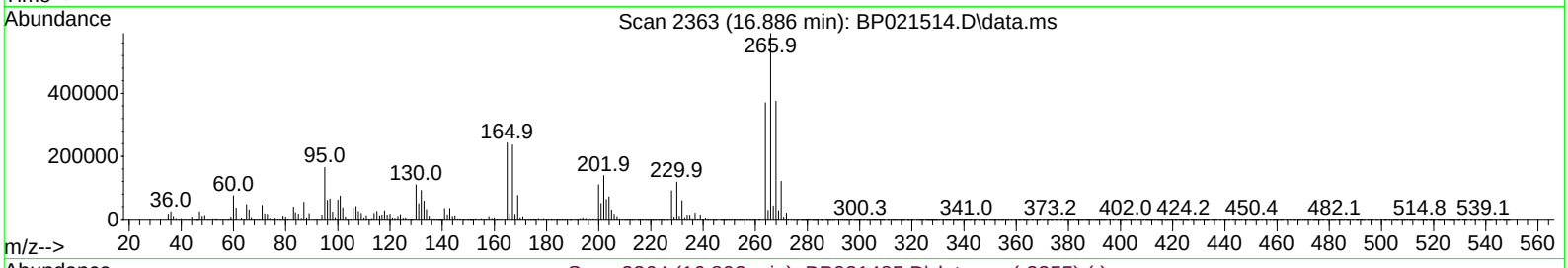
Sample Results: **BP021514.D**

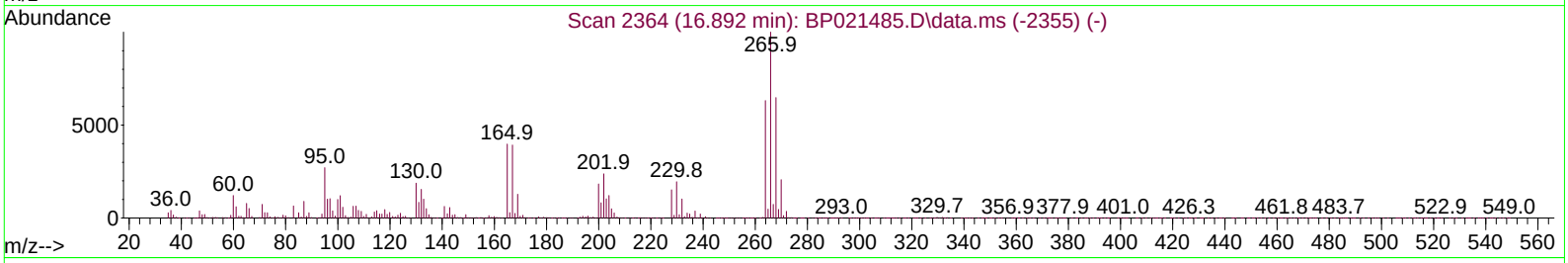
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021514.D
Acq On : 15 Aug 2024 14:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 16 02:36:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021514.D\data.ms

(70) Pentachlorophenol (C)

16.886min (-0.006) 525145.52 ng

response 842453

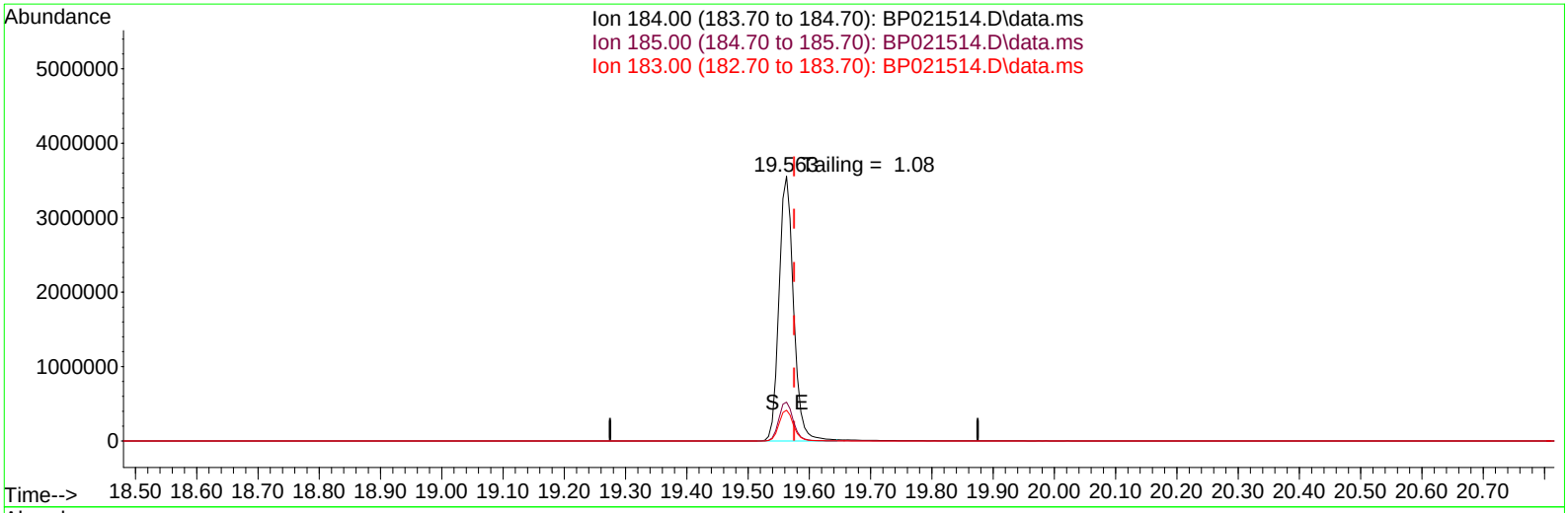
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	63.58
264.00	63.10	62.76
0.00	0.00	0.00

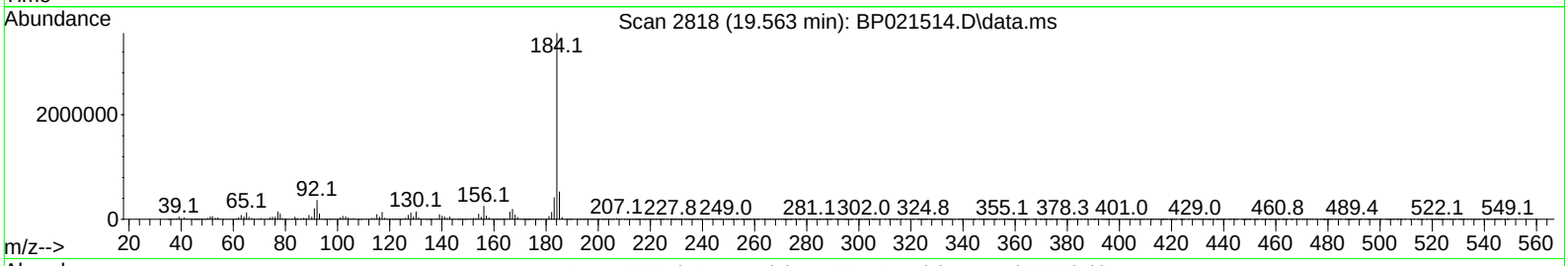
Sample Results: **BP021514.D**

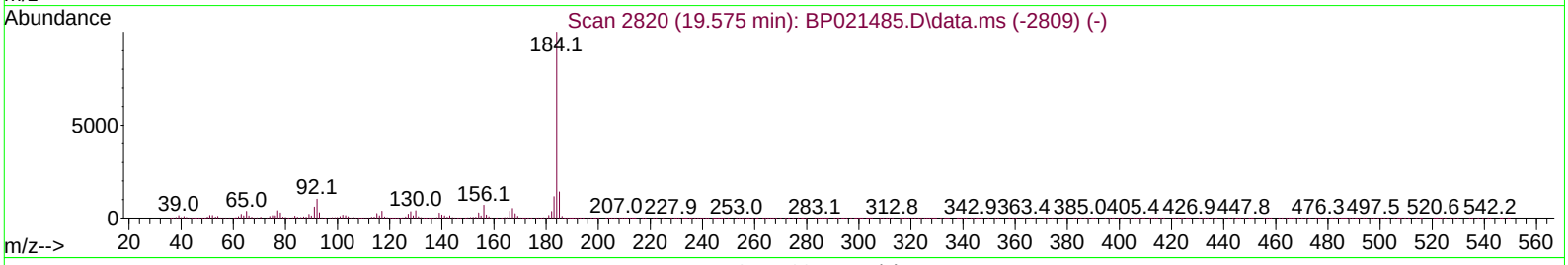
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
Data File : BP021514.D
Acq On : 15 Aug 2024 14:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 16 02:36:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021514.D\data.ms

(77) Benzidine

19.563min (-0.012) -20.00 ng

response 5959833

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.70
183.00	11.60	11.67
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/15/2024	BNA_P	BP021514.D
Compound Name	**Response**	**Retention Time**
DDT	2415160	20.869
DDD	25818	20.457
DDE	904	19.874
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
26722	2441882	1.09

Raw Data: **BF139087.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162687BL	SDG No.:	P3573
Lab Sample ID:	PB162687BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139087.D	1	08/13/24 08:33	08/20/24 22:10	PB162687

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.0		30 (52) - 130 (132)	92%	SPK: 100
1718-51-0	Terphenyl-d14	86.9		30 (48) - 130 (125)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90300	6.893			
1146-65-2	Naphthalene-d8	336000	8.175			
15067-26-2	Acenaphthene-d10	201000	9.928			
1517-22-2	Phenanthrene-d10	358000	11.416			
1719-03-5	Chrysene-d12	273000	14.051			
1520-96-3	Perylene-d12	248000	15.527			

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\BF082024\
Data File : BF139087.D
Acq On : 20 Aug 2024 22:10
Operator : RC/JU
Sample : PB162687BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Quant Time: Aug 21 01:49:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

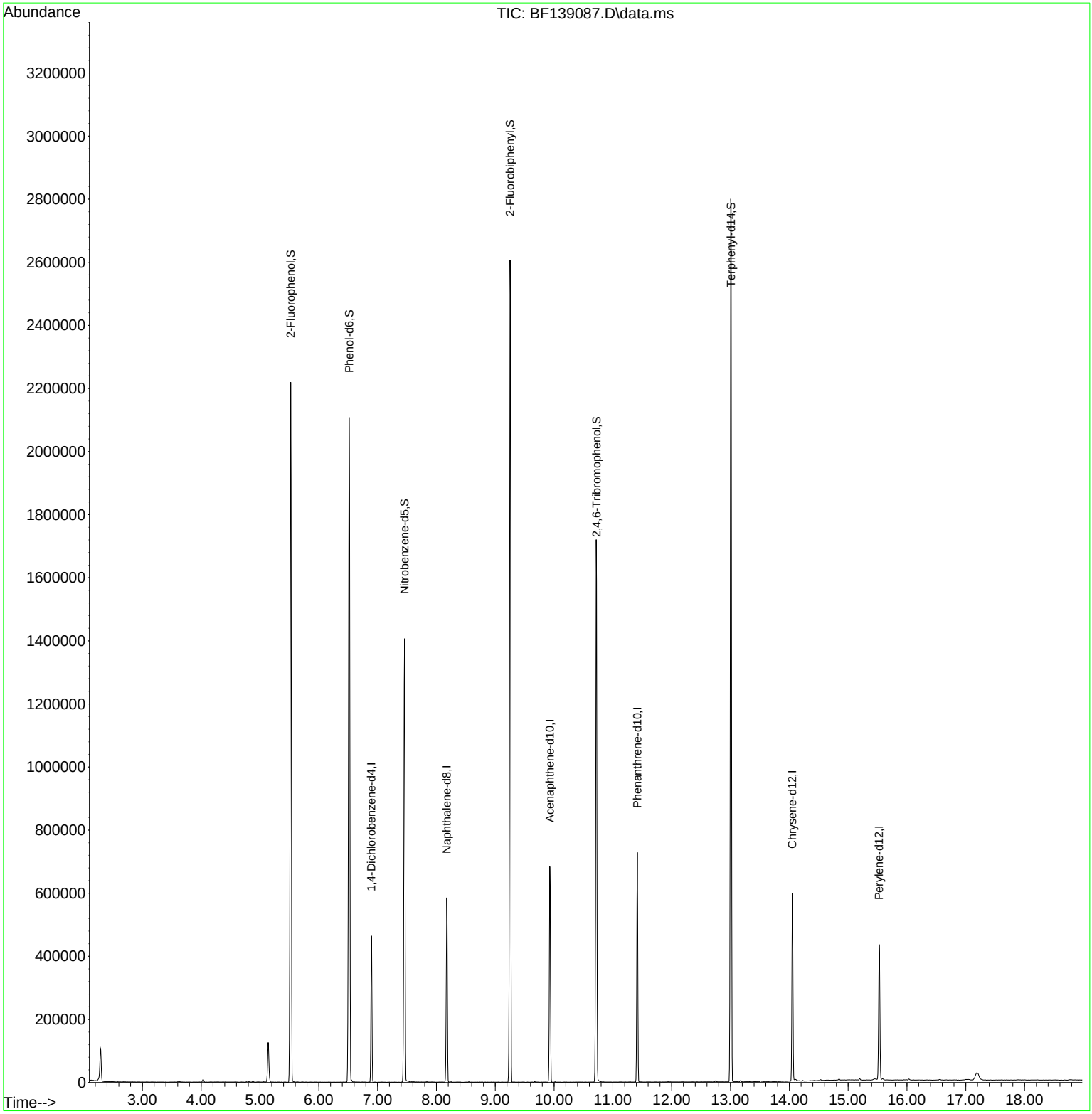
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	90299	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	335821	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	200816	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	358000	20.000	ng	0.00
76) Chrysene-d12	14.051	240	272888	20.000	ng	0.00
86) Perylene-d12	15.527	264	248360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	781770	133.198	ng	0.01
7) Phenol-d6	6.516	99	1006301	132.691	ng	0.00
23) Nitrobenzene-d5	7.457	82	659497	114.432	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	273613	150.506	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1164652	92.017	ng	0.00
79) Terphenyl-d14	13.010	244	1429354	86.912	ng	0.00
Target Compounds						Qvalue

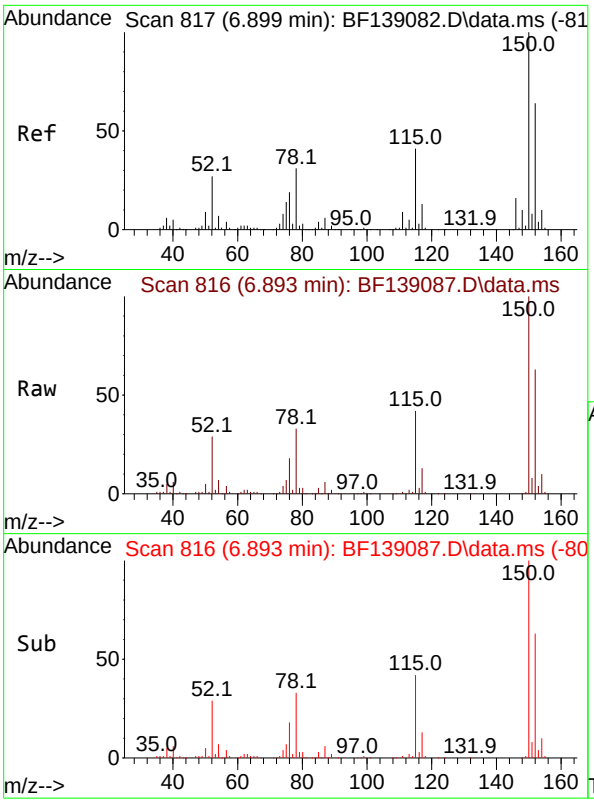
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082024\
Data File : BF139087.D
Acq On : 20 Aug 2024 22:10
Operator : RC/JU
Sample : PB162687BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Quant Time: Aug 21 01:49:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration



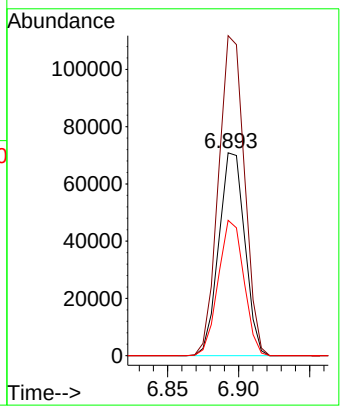


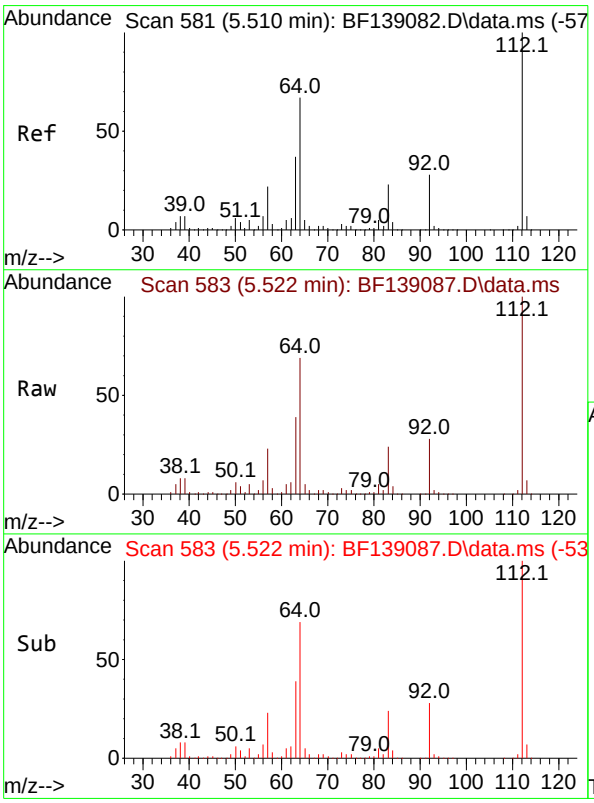
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Tgt Ion:152 Resp: 90299

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.1	187.7
115	66.7	51.8	77.6

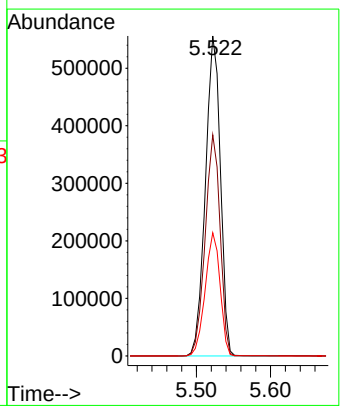


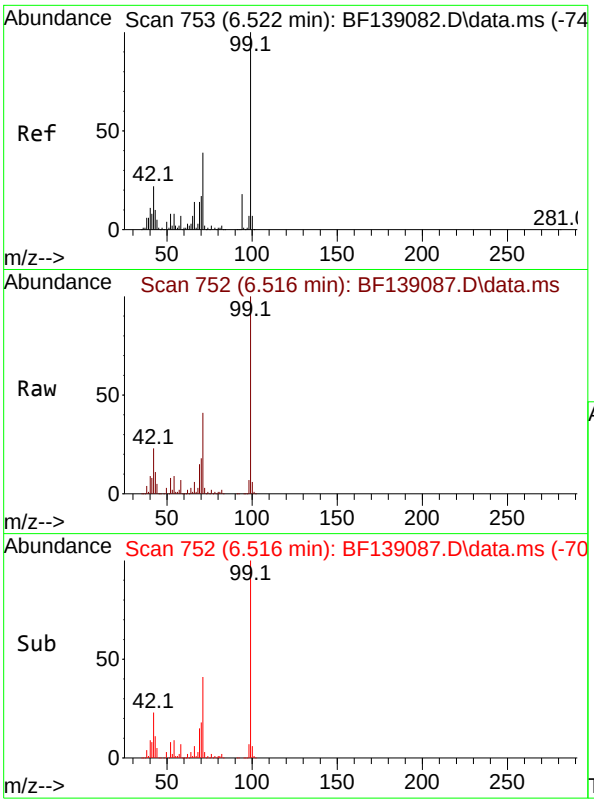


#5
2-Fluorophenol
Concen: 133.198 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Tgt Ion:112 Resp: 781770

Ion	Ratio	Lower	Upper
112	100		
64	69.1	53.8	80.6
63	38.5	29.4	44.2



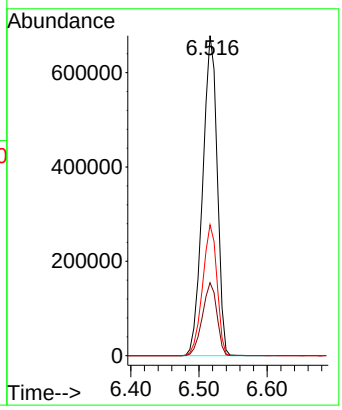


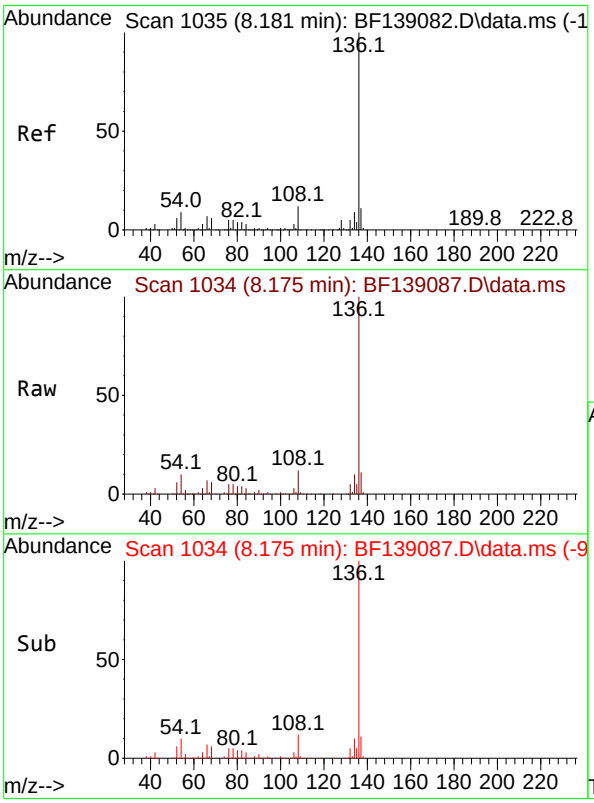
#7
Phenol-d6
Concen: 132.691 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Tgt Ion: 99 Resp: 1006301

Ion	Ratio	Lower	Upper
99	100		
42	22.8	17.4	26.2
71	40.9	31.2	46.8

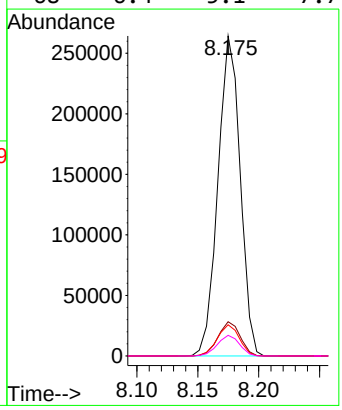


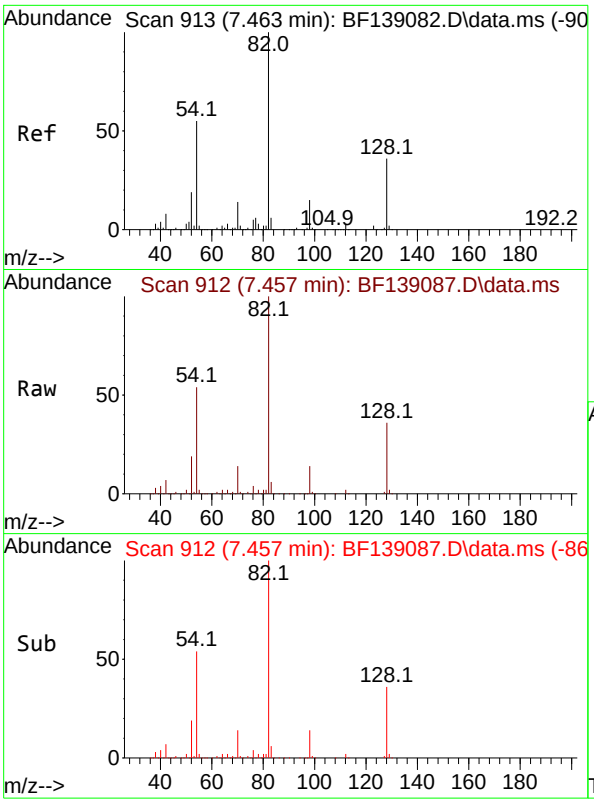


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Tgt Ion:136 Resp: 335821

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.7	7.6	11.4
68	6.4	5.1	7.7



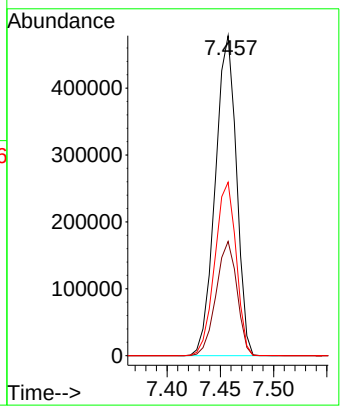


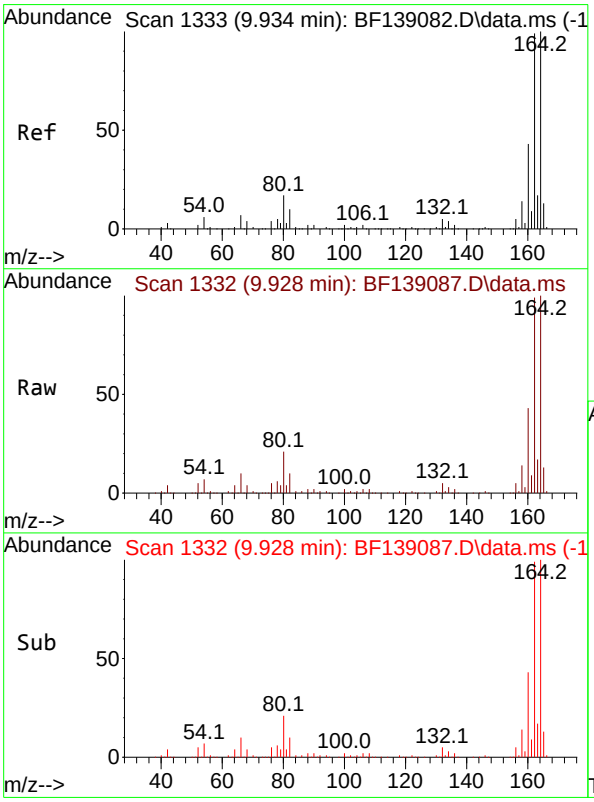
#23
Nitrobenzene-d5
Concen: 114.432 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Tgt Ion: 82 Resp: 659497

Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.0	43.4
54	54.2	43.4	65.2

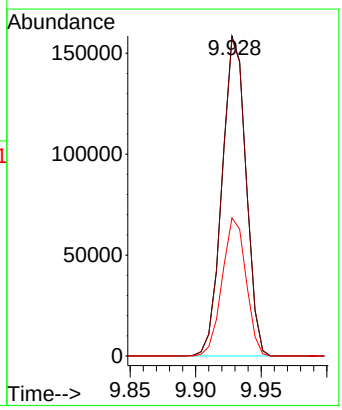


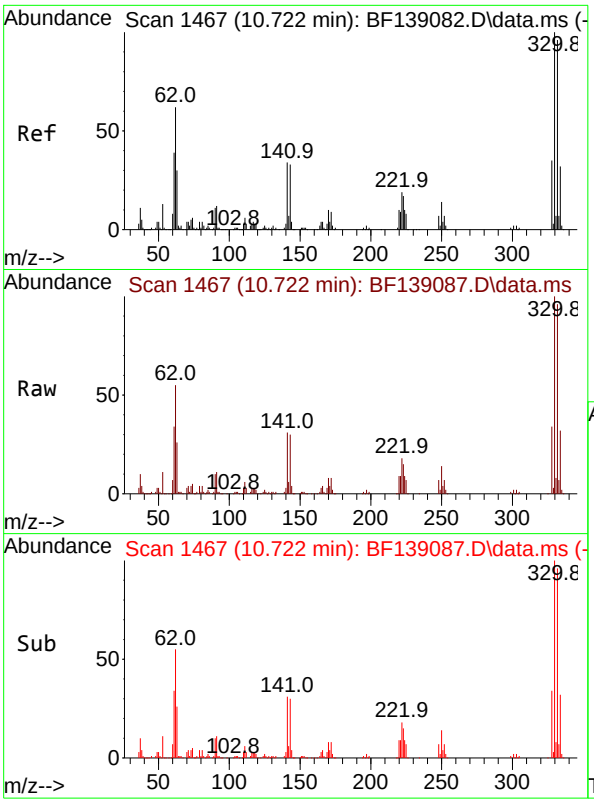


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Tgt Ion:164 Resp: 200816

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.5	119.3
160	43.1	34.5	51.7



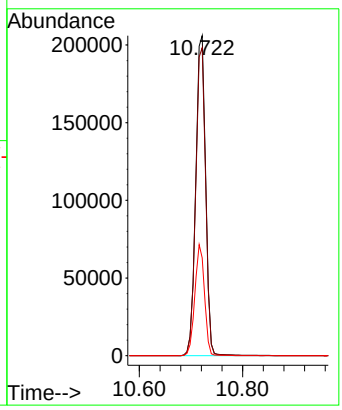


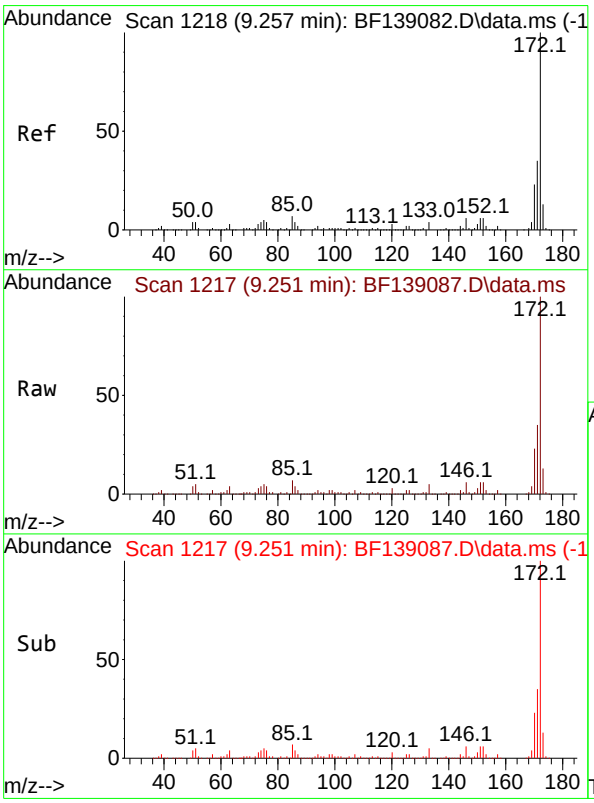
#42
2,4,6-Tribromophenol
Concen: 150.506 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Tgt Ion:330 Resp: 273613

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.9	27.5	41.3

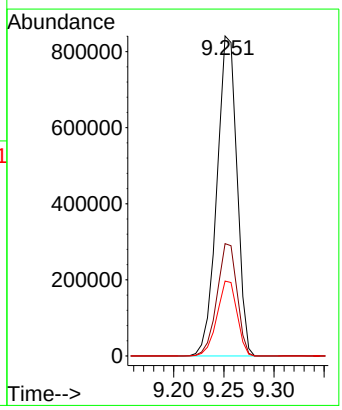


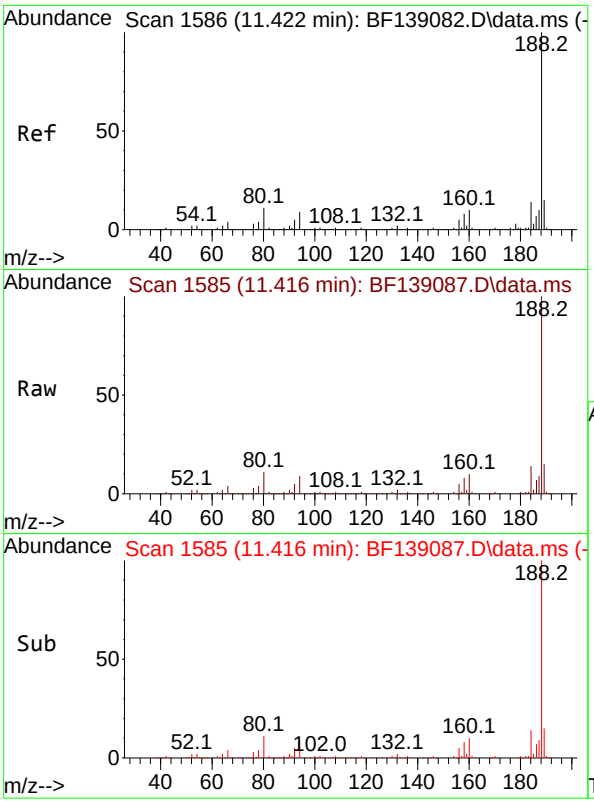


#45
2-Fluorobiphenyl
Concen: 92.017 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Tgt Ion:172 Resp: 1164652

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.4	18.8	28.2



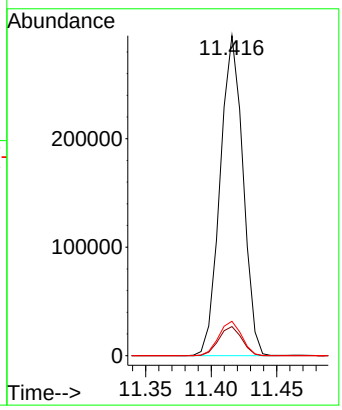


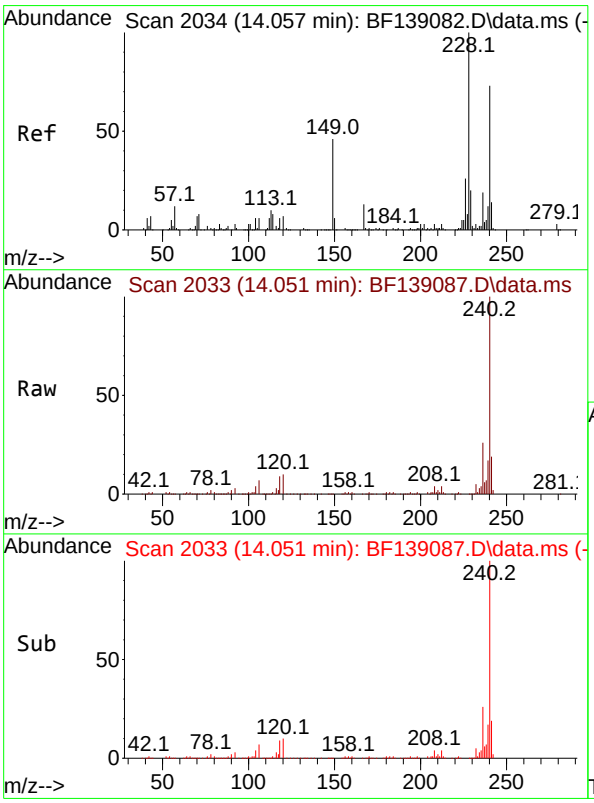
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Tgt Ion:188 Resp: 358000

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.7	8.5	12.7

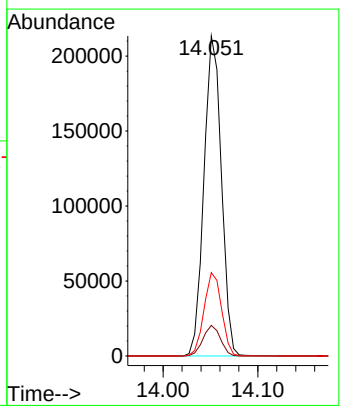


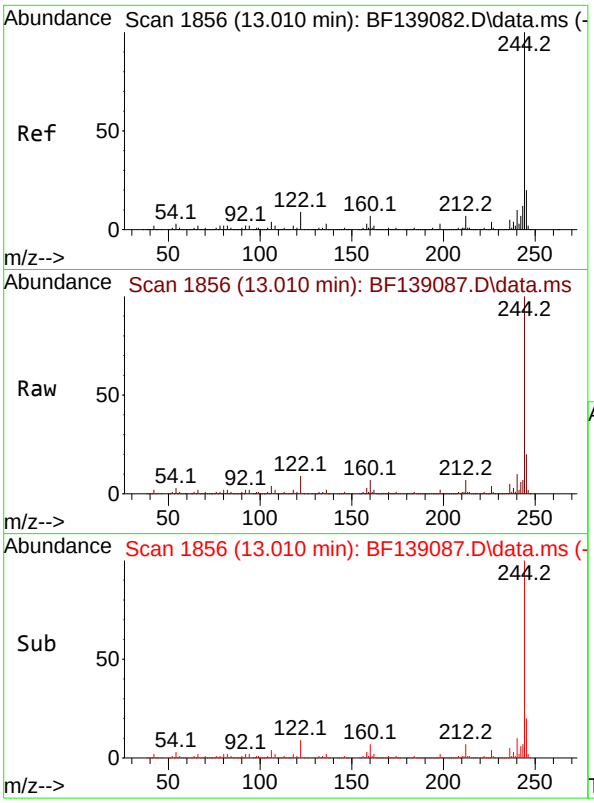


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Tgt Ion:240 Resp: 272888

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.8	11.6
236	26.0	20.9	31.3



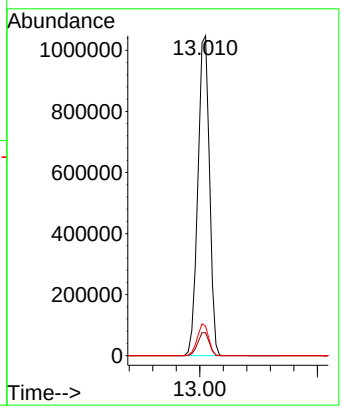


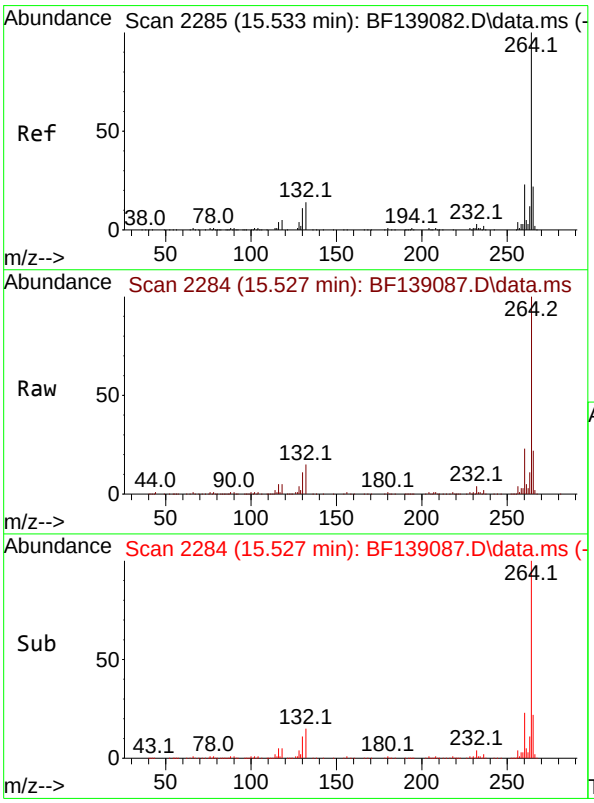
#79
Terphenyl-d14
Concen: 86.912 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Instrument :
BNA_F
ClientSampleId :
PB162687BL

Tgt Ion:244 Resp: 1429354

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.2	7.6	11.4

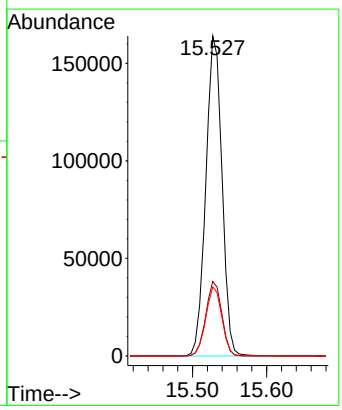




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.006 min
Lab File: BF139087.D
Acq: 20 Aug 2024 22:10

Tgt Ion:264 Resp: 248360

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.6	17.4	26.2



Raw Data: **BF139026.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162688BL	SDG No.:	P3573
Lab Sample ID:	PB162688BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139026.D	1	08/13/24 08:30	08/15/24 17:03	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	83.1		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		30 (20) - 130 (109)	82%	SPK: 100
1718-51-0	Terphenyl-d14	103		30 (10) - 130 (105)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	42000	6.834			
1146-65-2	Naphthalene-d8	175000	8.116			
15067-26-2	Acenaphthene-d10	101000	9.869			
1517-22-2	Phenanthrene-d10	191000	11.357			
1719-03-5	Chrysene-d12	106000	13.998			
1520-96-3	Perylene-d12	81000	15.462			

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\BF081524\
Data File : BF139026.D
Acq On : 15 Aug 2024 17:03
Operator : RC/JU
Sample : PB162688BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Quant Time: Aug 15 19:21:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

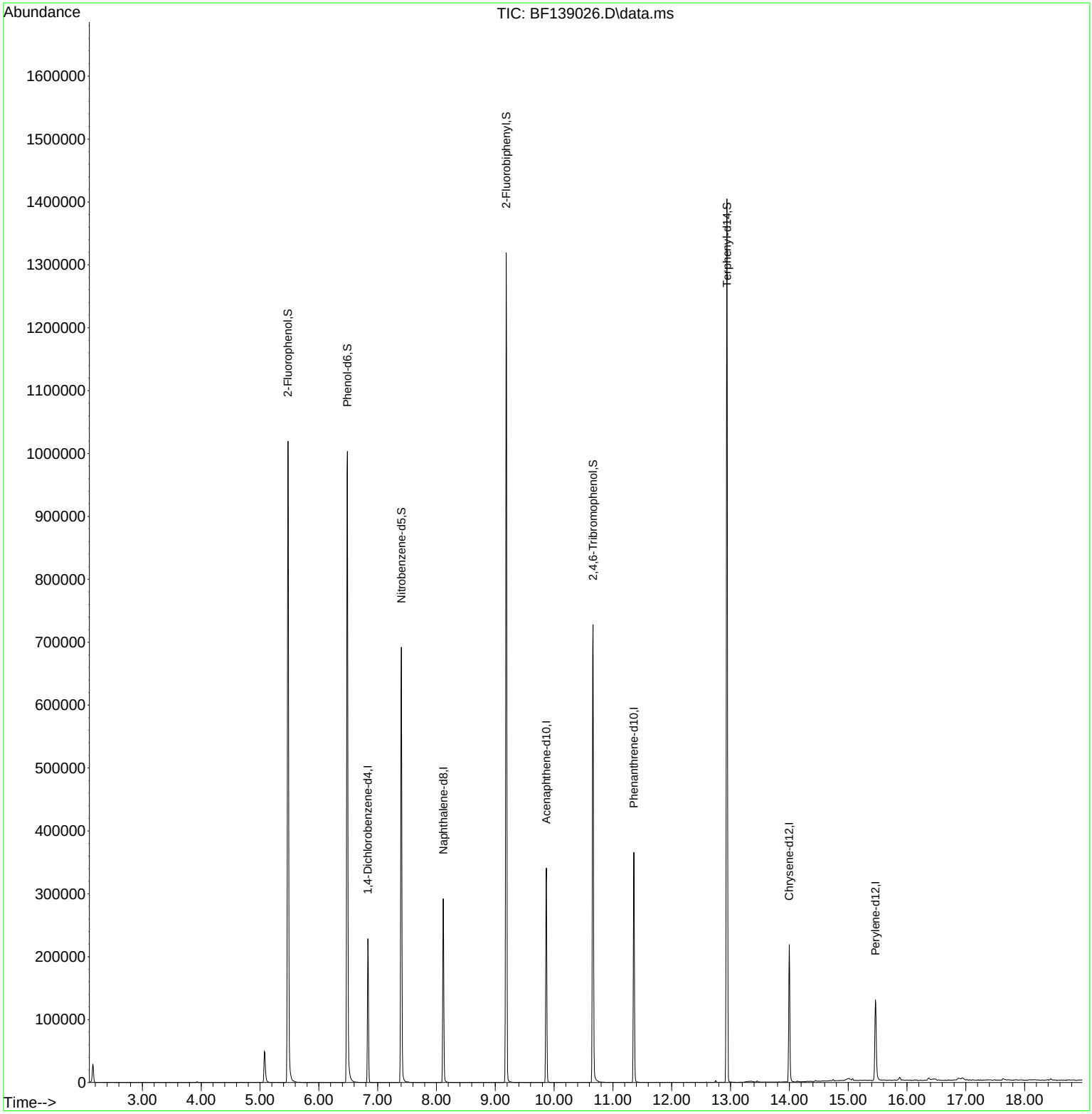
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	42010	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	175115	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	100590	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	190629	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	106160	20.000	ng	0.00
86) Perylene-d12	15.462	264	80970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	343204	126.110	ng	0.00
7) Phenol-d6	6.487	99	441452	120.818	ng	0.00
23) Nitrobenzene-d5	7.404	82	297810	83.147	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	104149	126.400	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	547098	81.719	ng	-0.02
79) Terphenyl-d14	12.939	244	653252	103.026	ng	0.00
Target Compounds						Qvalue

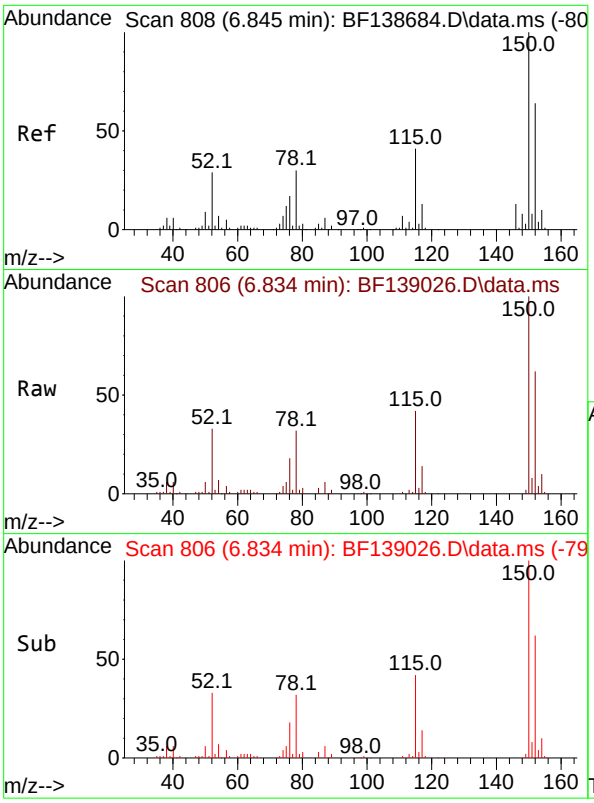
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139026.D
Acq On : 15 Aug 2024 17:03
Operator : RC/JU
Sample : PB162688BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Quant Time: Aug 15 19:21:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



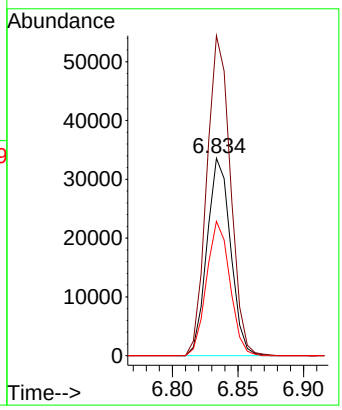


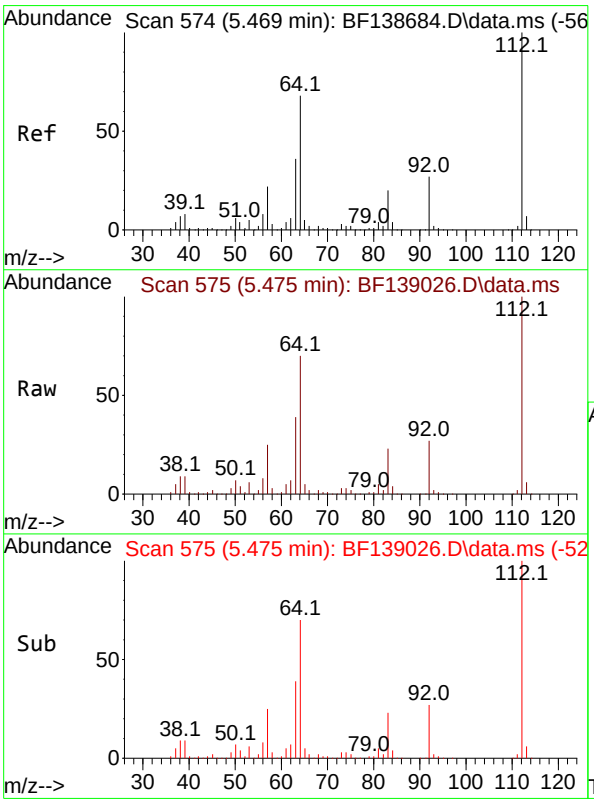
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Tgt Ion:152 Resp: 42010

Ion	Ratio	Lower	Upper
152	100		
150	162.0	126.0	189.0
115	68.0	51.7	77.5

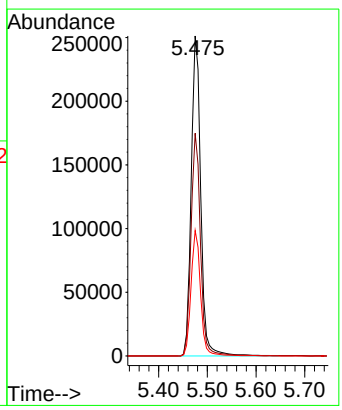


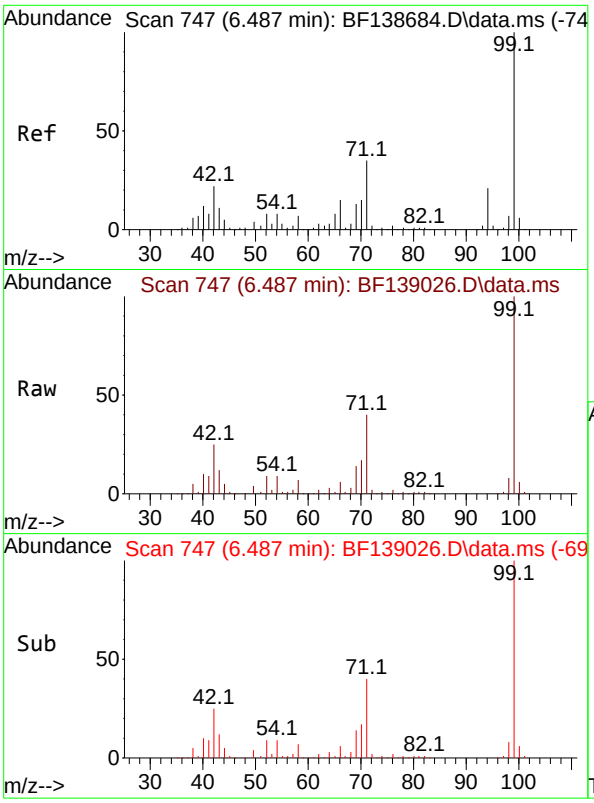


#5
2-Fluorophenol
Concen: 126.110 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Tgt Ion:112 Resp: 343204

Ion	Ratio	Lower	Upper
112	100		
64	69.6	54.2	81.4
63	39.2	28.7	43.1



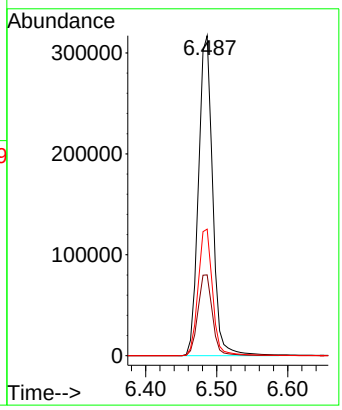


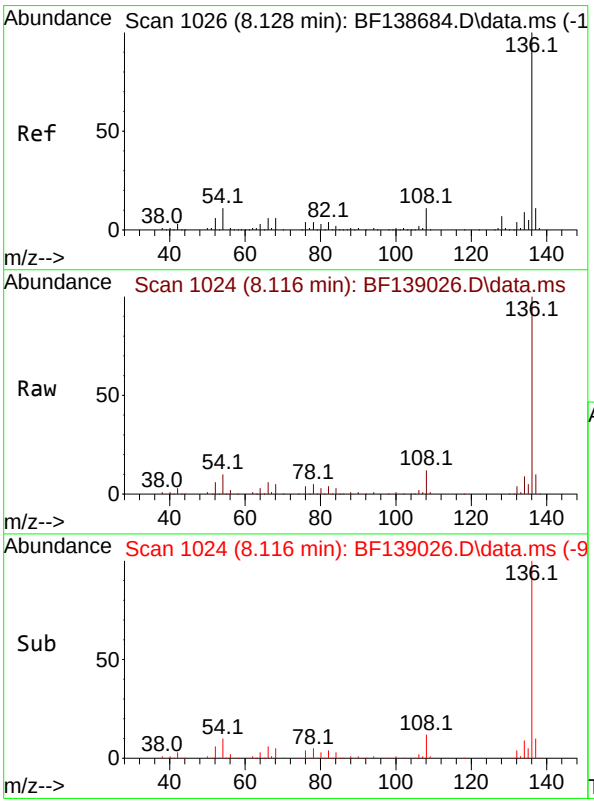
#7
Phenol-d6
Concen: 120.818 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Tgt Ion: 99 Resp: 441452

Ion	Ratio	Lower	Upper
99	100		
42	25.3	17.4	26.0
71	39.5	28.1	42.1

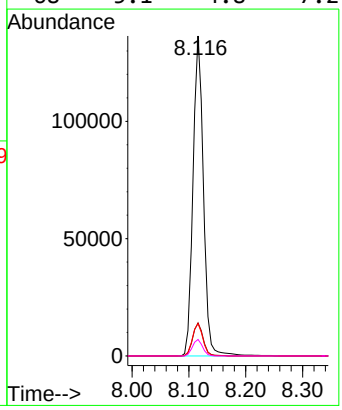


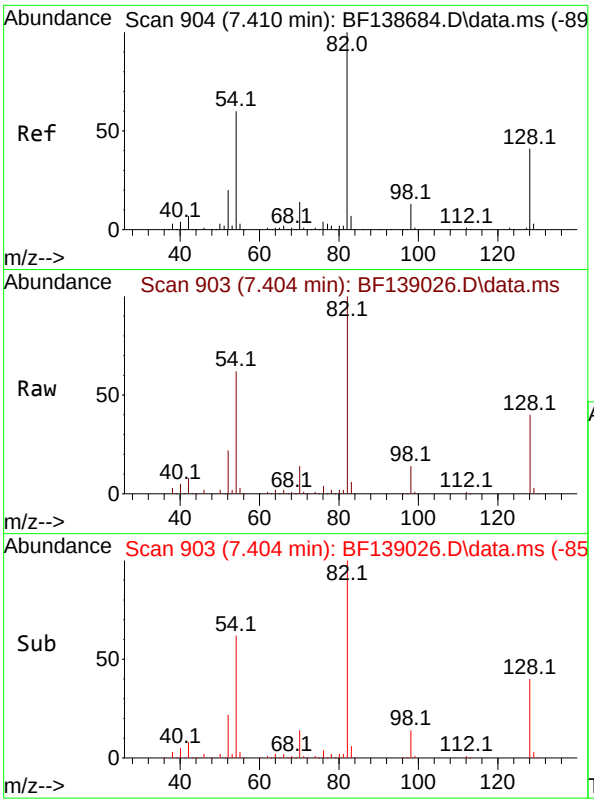


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Tgt Ion:136 Resp: 175115

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.9	13.3
54	10.1	8.6	12.8
68	5.1	4.8	7.2



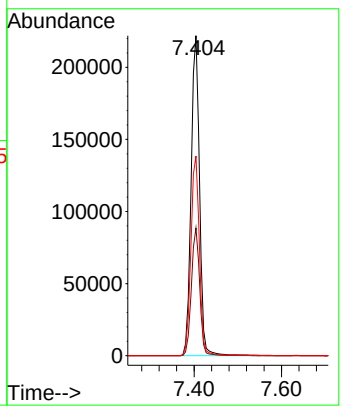


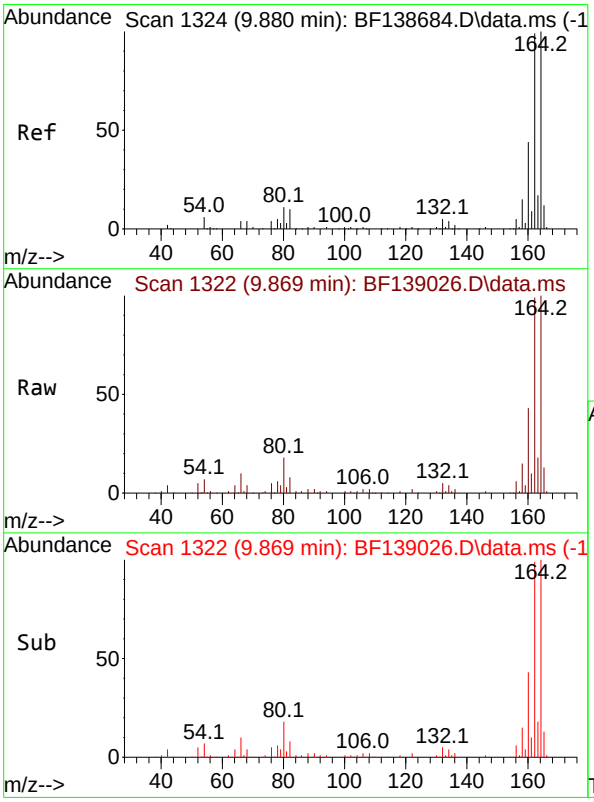
#23
Nitrobenzene-d5
Concen: 83.147 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Tgt Ion: 82 Resp: 297810

Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.8	49.2
54	62.4	48.3	72.5

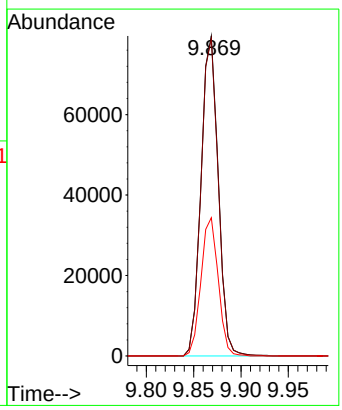


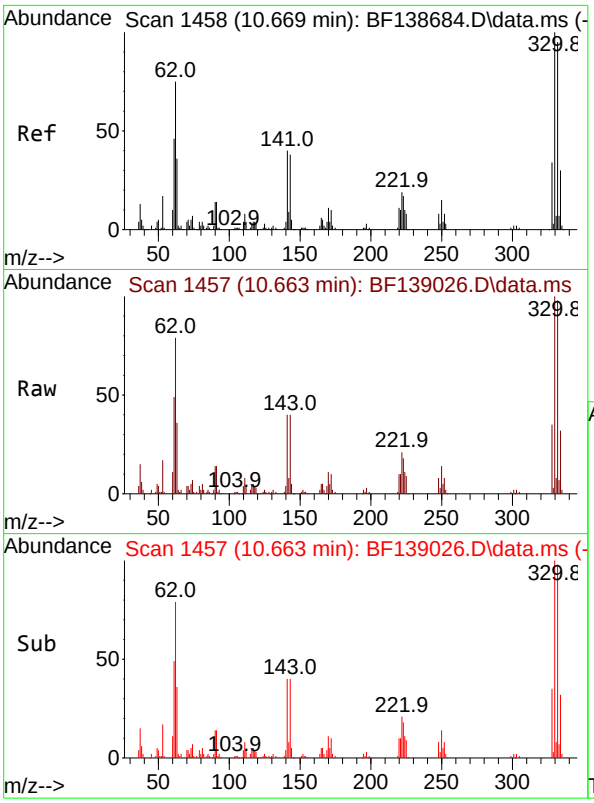


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Tgt Ion:164 Resp: 100590

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	43.2	35.1	52.7



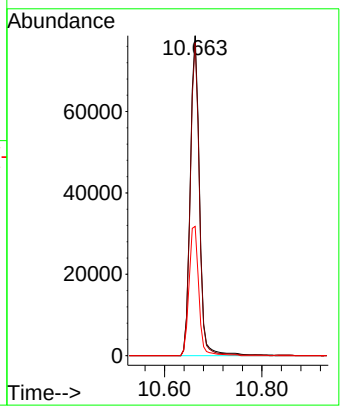


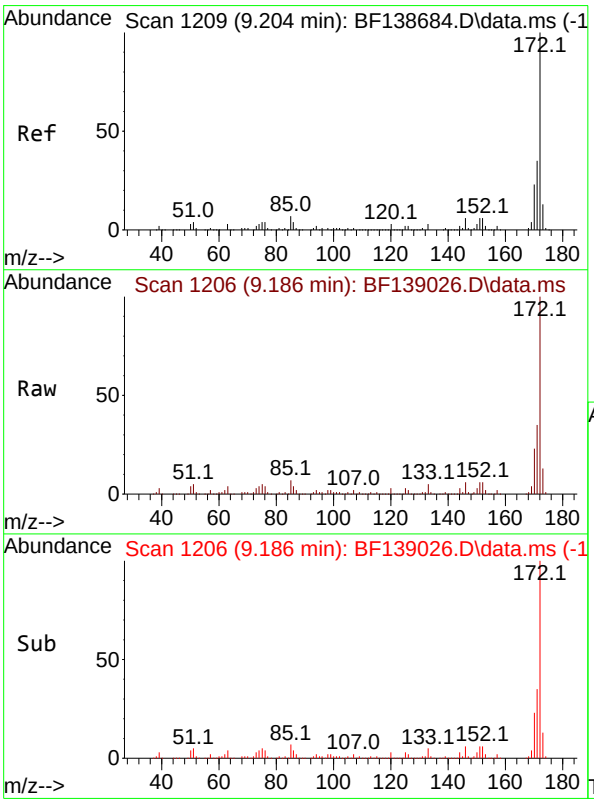
#42
2,4,6-Tribromophenol
Concen: 126.400 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Tgt Ion:330 Resp: 104149

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.4	114.6
141	42.4	31.1	46.7

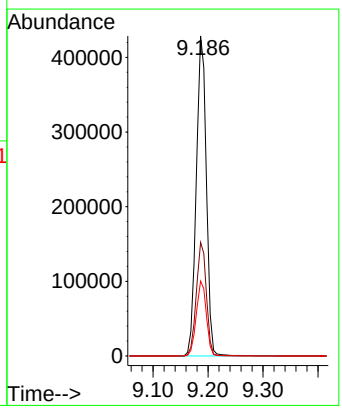


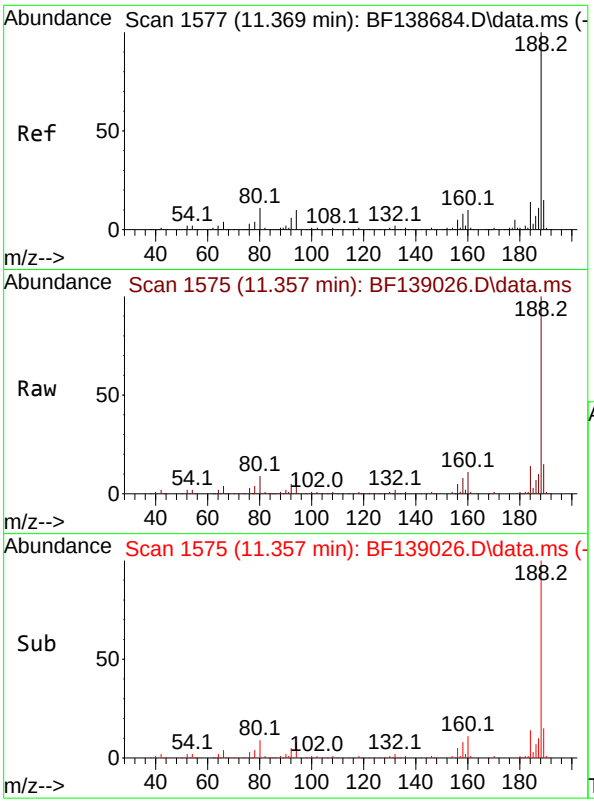


#45
2-Fluorobiphenyl
Concen: 81.719 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Tgt Ion:172 Resp: 547098

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.4	18.8	28.2



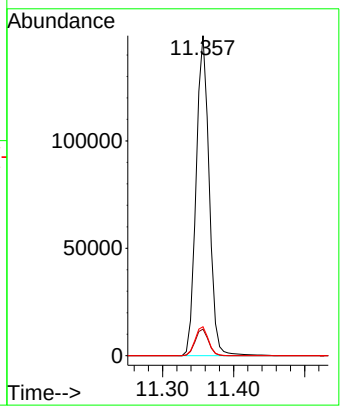


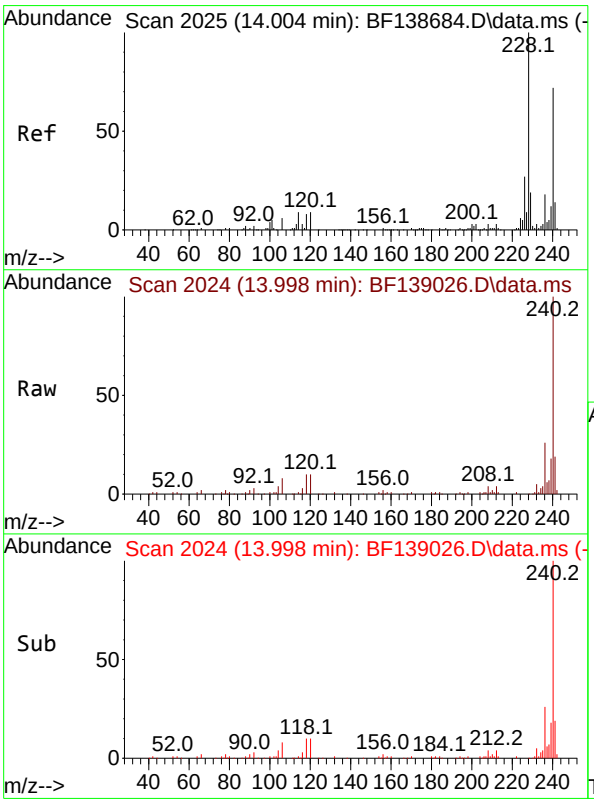
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Tgt Ion:188 Resp: 190629

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.6	11.4
80	9.1	8.6	12.8

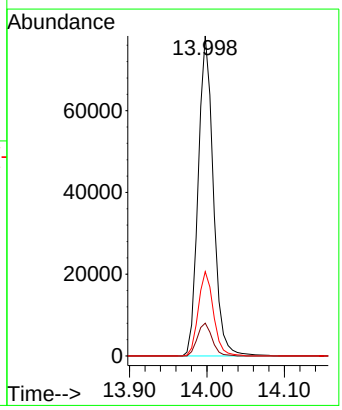


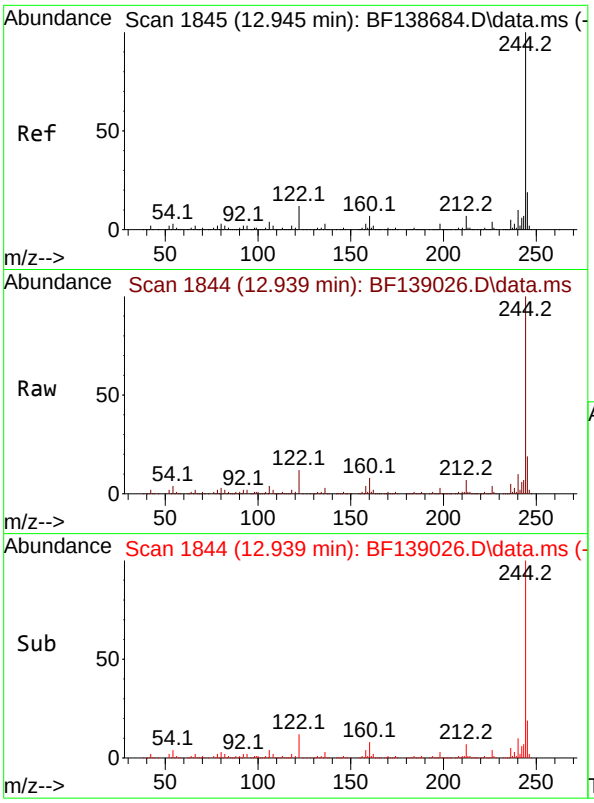


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Tgt Ion:240 Resp: 106160

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.2	15.4
236	26.3	19.8	29.8



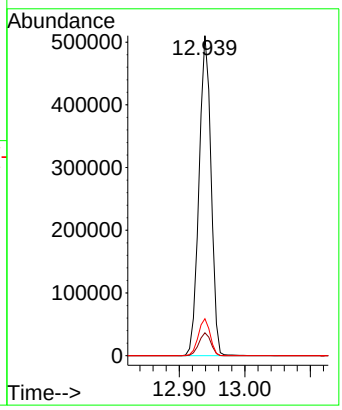


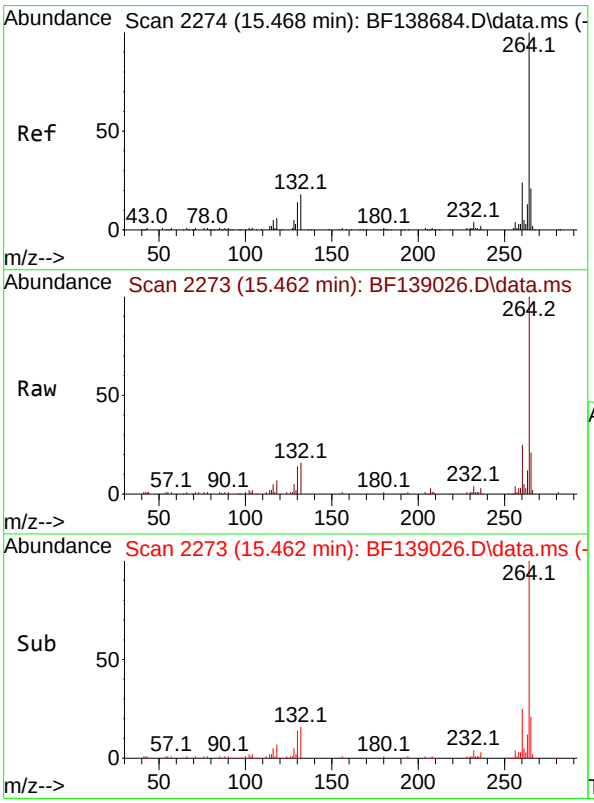
#79
Terphenyl-d14
Concen: 103.026 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Instrument :
BNA_F
ClientSampleId :
PB162688BL

Tgt Ion:244 Resp: 653252

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.5	9.6	14.4

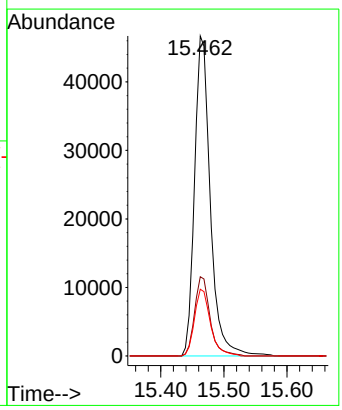




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139026.D
Acq: 15 Aug 2024 17:03

Tgt Ion:264 Resp: 80970

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.0	28.6
265	20.8	17.0	25.6



Raw Data: **BF139115.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162687BS	SDG No.:	P3573
Lab Sample ID:	PB162687BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139115.D	1	08/13/24 08:33	08/22/24 11:23	PB162687

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	48.7		0.94	5.00	ug/L
50-32-8	Benzo(a)pyrene	52.9		1.70	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.1		1.20	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	115		30 (49) - 130 (133)	115%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.0		30 (52) - 130 (132)	91%	SPK: 100
1718-51-0	Terphenyl-d14	110		30 (48) - 130 (125)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	97500	6.898			
1146-65-2	Naphthalene-d8	363000	8.181			
15067-26-2	Acenaphthene-d10	219000	9.939			
1517-22-2	Phenanthrene-d10	399000	11.421			
1719-03-5	Chrysene-d12	238000	14.062			
1520-96-3	Perylene-d12	209000	15.539			

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: **BF139115.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139115.D
Acq On : 22 Aug 2024 11:23
Operator : RC/JU
Sample : PB162687BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 11:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.898	152	97452	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	363464	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	218661	20.000	ng		0.00
64) Phenanthrene-d10	11.421	188	399434	20.000	ng		0.00
76) Chrysene-d12	14.062	240	238276	20.000	ng		0.00
86) Perylene-d12	15.539	264	208759	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	835355	131.881	ng		0.02
7) Phenol-d6	6.528	99	1084147	132.463	ng		0.00
23) Nitrobenzene-d5	7.463	82	717419	115.015	ng		0.00
42) 2,4,6-Tribromophenol	10.727	330	327576	165.484	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1253676	90.967	ng		0.00
79) Terphenyl-d14	13.010	244	1574760	109.662	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.799	88	103826	38.216	ng		100
3) Pyridine	3.534	79	289166	41.885	ng		99
4) n-Nitrosodimethylamine	3.493	42	184776	44.305	ng		99
6) Aniline	6.563	93	356471	48.246	ng		99
8) 2-Chlorophenol	6.681	128	298414	48.981	ng		98
9) Benzaldehyde	6.451	77	216589	45.121	ng		98
10) Phenol	6.539	94	412363	48.422	ng		95
11) bis(2-Chloroethyl)ether	6.634	93	298935	43.650	ng		99
12) 1,3-Dichlorobenzene	6.839	146	323516	44.166	ng		100
13) 1,4-Dichlorobenzene	6.916	146	332168	45.354	ng		99
14) 1,2-Dichlorobenzene	7.069	146	317904	47.494	ng		99
15) Benzyl Alcohol	7.039	79	321752	49.740	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	451888	46.842	ng		99
17) 2-Methylphenol	7.145	107	252378	48.422	ng		99
18) Hexachloroethane	7.410	117	117814	45.874	ng		97
19) n-Nitroso-di-n-propyla...	7.316	70	247354	46.021	ng		100
20) 3+4-Methylphenols	7.304	107	326789	48.392	ng	#	84
22) Acetophenone	7.310	105	438849	47.288	ng		97
24) Nitrobenzene	7.481	77	366386	52.845	ng		100
25) Isophorone	7.722	82	652949	49.250	ng		99
26) 2-Nitrophenol	7.798	139	141212	57.194	ng		98
27) 2,4-Dimethylphenol	7.833	122	243693	57.965	ng		99
28) bis(2-Chloroethoxy)met...	7.933	93	358964	46.338	ng		99
29) 2,4-Dichlorophenol	8.033	162	255408	48.765	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	271601	44.286	ng		99
31) Naphthalene	8.204	128	862166	46.810	ng		100
32) Benzoic acid	7.951	122	178909	50.562	ng		98
33) 4-Chloroaniline	8.245	127	130774	20.732	ng		99
34) Hexachlorobutadiene	8.322	225	183789	45.876	ng		99
35) Caprolactam	8.622	113	84972m	51.172	ng		
36) 4-Chloro-3-methylphenol	8.728	107	291823	50.321	ng		99
37) 2-Methylnaphthalene	8.892	142	563377	47.687	ng		99
38) 1-Methylnaphthalene	8.992	142	525756	46.111	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	281590	47.285	ng		97
41) Hexachlorocyclopentadiene	9.045	237	392824	170.735	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	200033	49.515	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139115.D
Acq On : 22 Aug 2024 11:23
Operator : RC/JU
Sample : PB162687BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 11:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	205552	49.570	ng		99
46) 1,1'-Biphenyl	9.357	154	710519	47.435	ng		100
47) 2-Chloronaphthalene	9.386	162	545876	44.852	ng		100
48) 2-Nitroaniline	9.475	65	195179	55.016	ng		99
49) Acenaphthylene	9.798	152	877994	50.359	ng		100
50) Dimethylphthalate	9.663	163	679541	50.339	ng		99
51) 2,6-Dinitrotoluene	9.722	165	144946	53.011	ng		95
52) Acenaphthene	9.975	154	621493	53.965	ng		100
53) 3-Nitroaniline	9.886	138	91028	34.510	ng	#	98
54) 2,4-Dinitrophenol	9.992	184	153288	107.507	ng	#	53
55) Dibenzofuran	10.145	168	810191	48.434	ng		99
56) 4-Nitrophenol	10.045	139	246256	120.684	ng		98
57) 2,4-Dinitrotoluene	10.122	165	201716	58.103	ng		99
58) Fluorene	10.486	166	640411	47.905	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	182393	54.781	ng		98
60) Diethylphthalate	10.363	149	670922	50.161	ng		100
61) 4-Chlorophenyl-phenyle...	10.480	204	321178	48.105	ng		98
62) 4-Nitroaniline	10.510	138	146505	52.498	ng		98
63) Azobenzene	10.639	77	732331	49.269	ng		98
65) 4,6-Dinitro-2-methylph...	10.527	198	99723	62.723	ng		97
66) n-Nitrosodiphenylamine	10.598	169	568498	48.101	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	203507	48.081	ng		97
68) Hexachlorobenzene	11.033	284	217427	47.883	ng		98
69) Atrazine	11.127	200	201642	55.863	ng		100
70) Pentachlorophenol	11.221	266	292567	100.866	ng		99
71) Phenanthrene	11.451	178	974086	47.979	ng		100
72) Anthracene	11.498	178	993587	50.042	ng		100
73) Carbazole	11.651	167	869735	46.910	ng		100
74) Di-n-butylphthalate	11.986	149	1051130	48.894	ng		100
75) Fluoranthene	12.633	202	1009599	46.591	ng		99
77) Benzidine	12.757	184	379943	77.194	ng		99
78) Pyrene	12.863	202	1018817	51.237	ng		100
80) Butylbenzylphthalate	13.486	149	392044	56.989	ng		99
81) Benzo(a)anthracene	14.051	228	762028	48.651	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	149750	34.203	ng		99
83) Chrysene	14.092	228	721616	50.828	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	513359	56.290	ng		99
85) Di-n-octyl phthalate	14.662	149	738010	57.657	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	665388	54.461	ng		99
88) Benzo(b)fluoranthene	15.104	252	649898	47.752	ng		100
89) Benzo(k)fluoranthene	15.139	252	568787	50.179	ng		99
90) Benzo(a)pyrene	15.474	252	568450	52.860	ng		100
91) Dibenzo(a,h)anthracene	17.051	278	552543	55.093	ng		99
92) Benzo(g,h,i)perylene	17.480	276	500508	43.932	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139115.D
Acq On : 22 Aug 2024 11:23
Operator : RC/JU
Sample : PB162687BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 22 11:56:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
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Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations APPROVED

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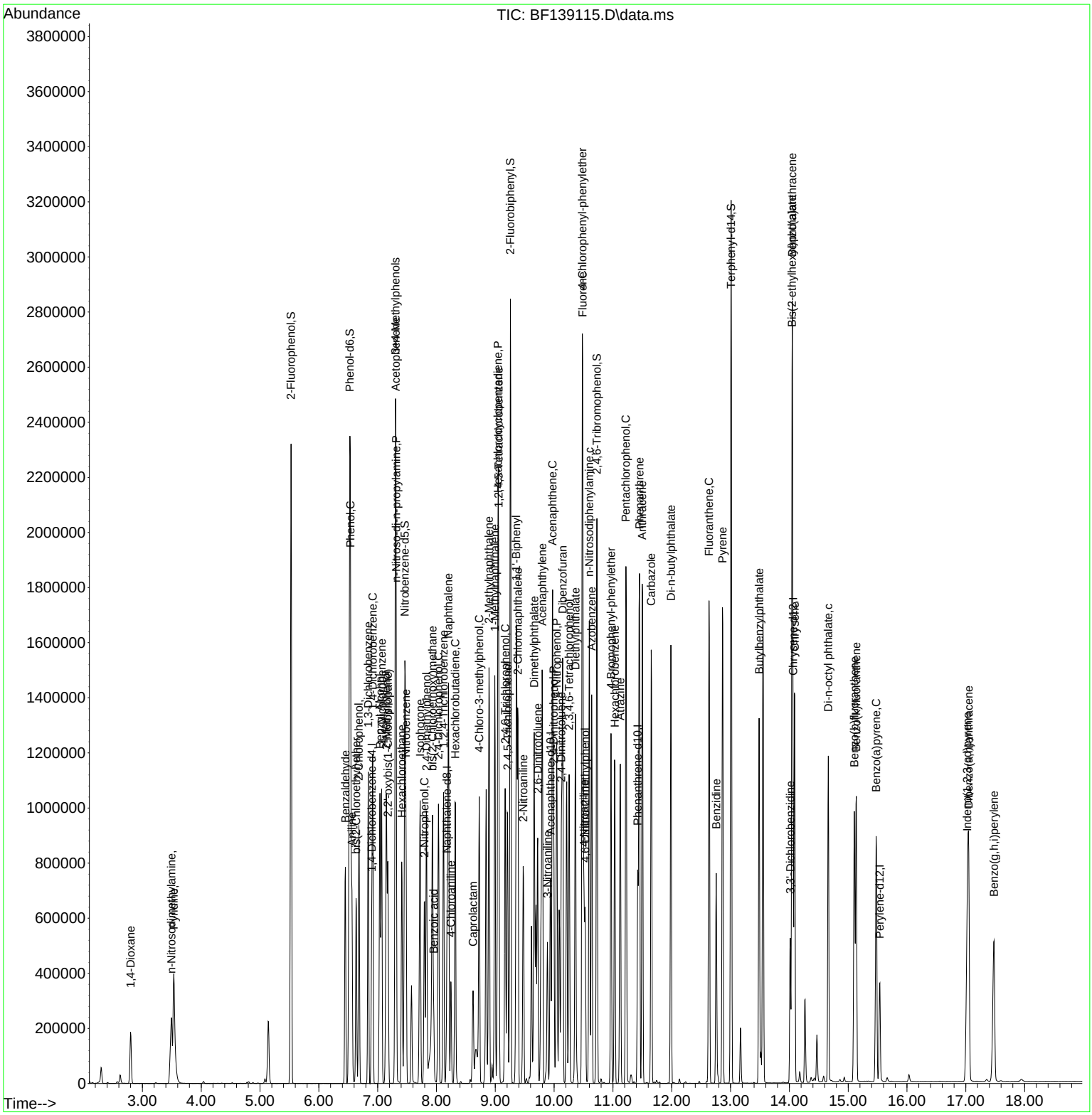
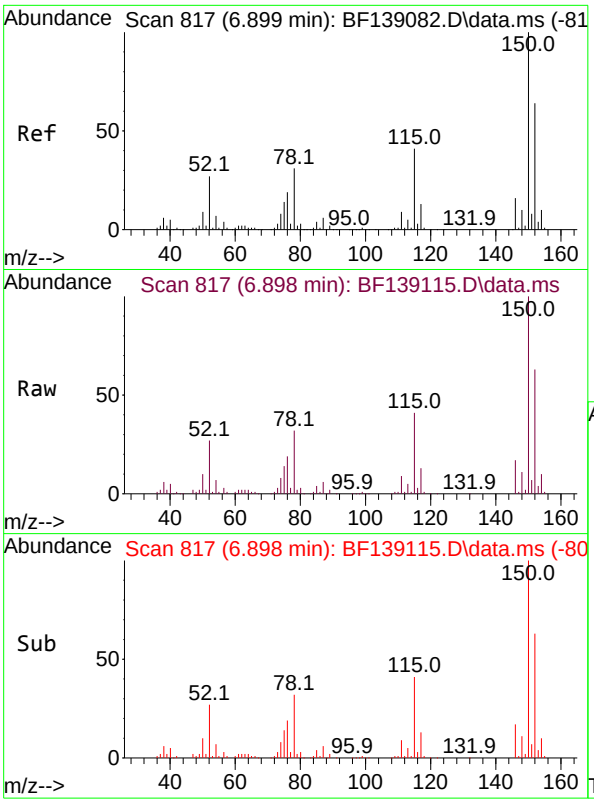
Supervised By :mohammad ahmed 08/23/2024

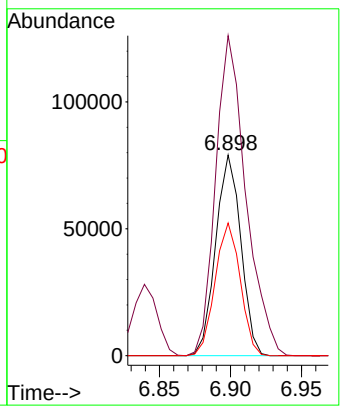




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:152 Resp: 9745

Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.1	187.7
115	66.1	51.8	77.6



Instrument :
BNA_F
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PB162687BS

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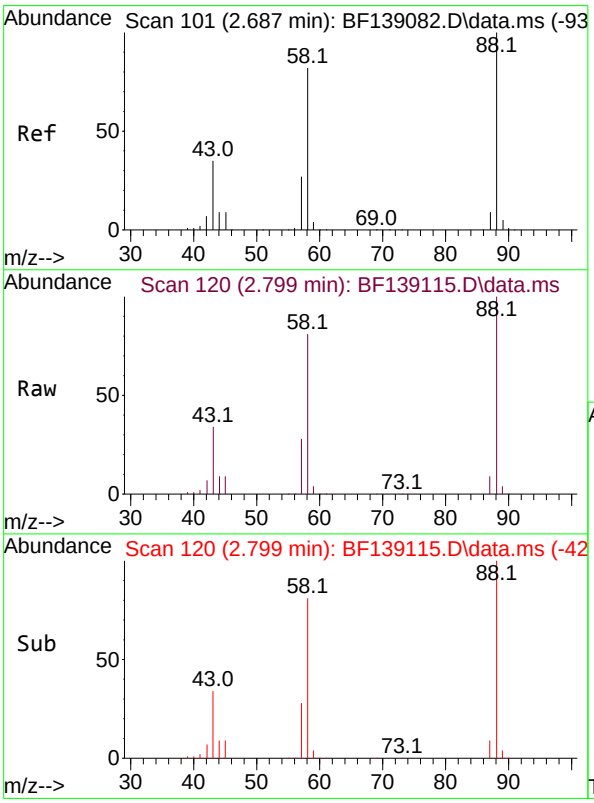
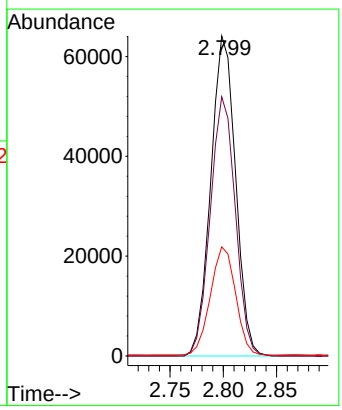
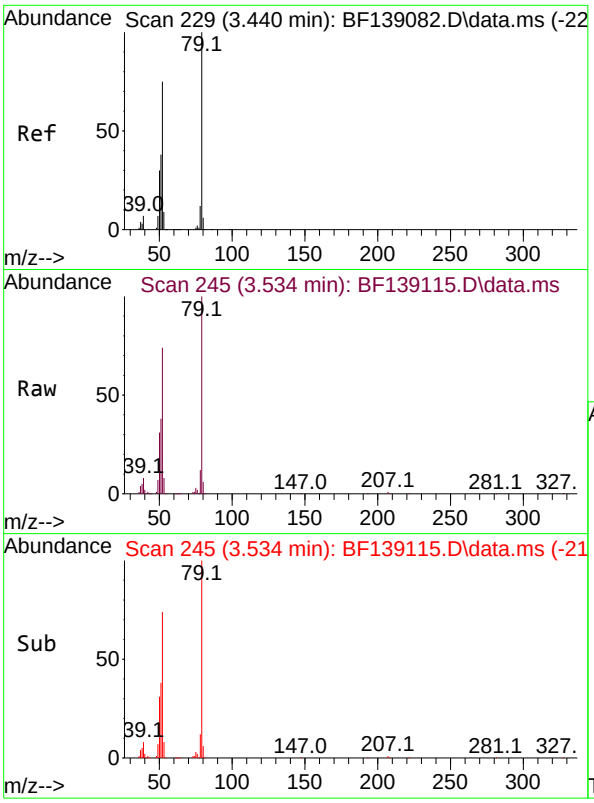


#2
1,4-Dioxane
Concen: 38.216 ng
RT: 2.799 min Scan# 120
Delta R.T. 0.111 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 88 Resp: 103826

Ion	Ratio	Lower	Upper
88	100		
58	81.5	65.4	98.0
43	34.4	27.9	41.9





#3
Pyridine
Concen: 41.885 ng
RT: 3.534 min Scan# 24
Delta R.T. 0.094 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 79 Resp: 28916

Ion	Ratio	Lower	Upper
79	100		
52	74.0	59.7	89.5
51	38.2	30.6	45.8

Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
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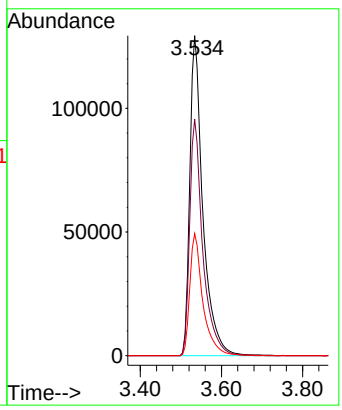
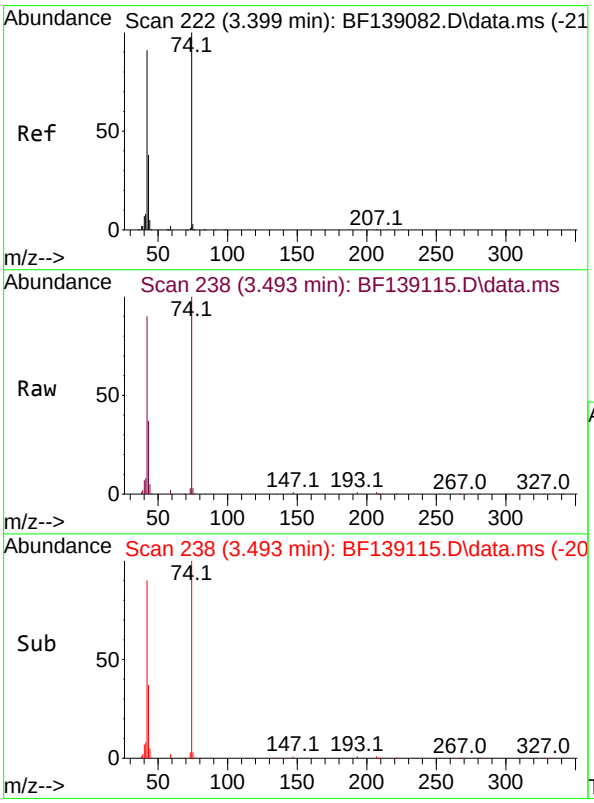
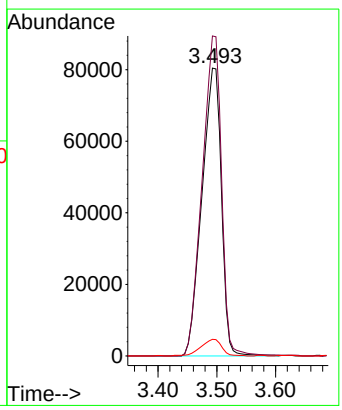


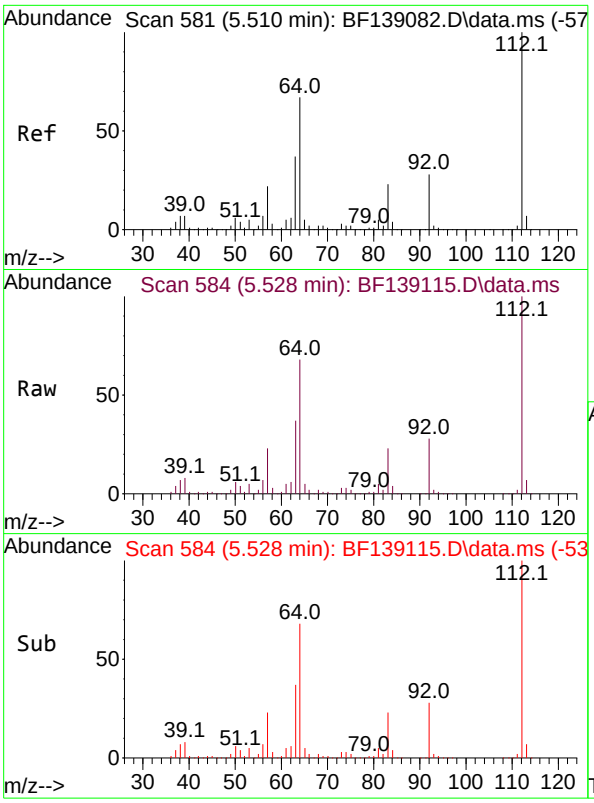


#4
n-Nitrosodimethylamine
Concen: 44.305 ng
RT: 3.493 min Scan# 238
Delta R.T. 0.094 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 42 Resp: 184776

Ion	Ratio	Lower	Upper
42	100		
74	111.2	88.2	132.2
44	5.8	5.4	8.0





#5
2-Fluorophenol
Concen: 131.881 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:112 Resp: 83535

Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.8	80.6
63	36.7	29.4	44.2

Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
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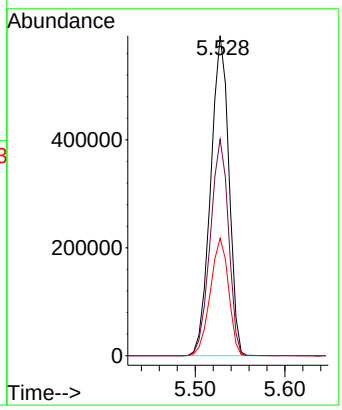
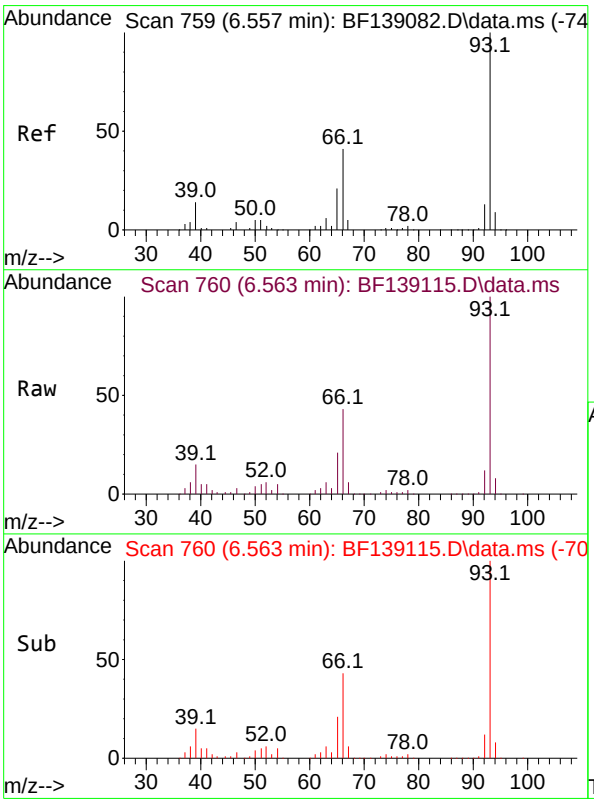
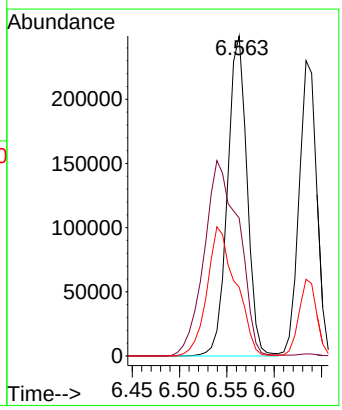


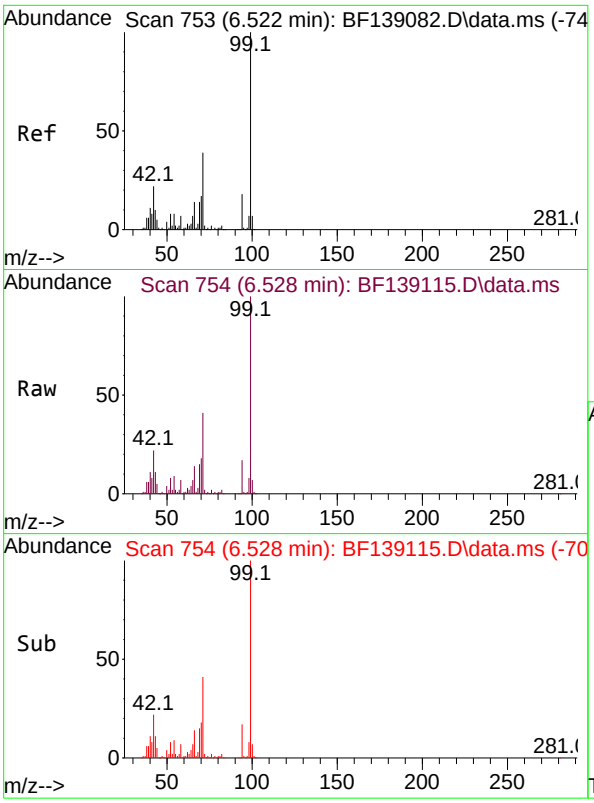


#6
Aniline
Concen: 48.246 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 93 Resp: 356471

Ion	Ratio	Lower	Upper
93	100		
66	43.1	35.1	52.7
65	21.5	17.4	26.2

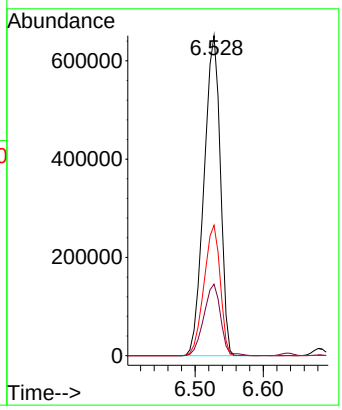




#7
Phenol-d6
Concen: 132.463 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 99 Resp: 108414

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.4	26.2
71	40.8	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
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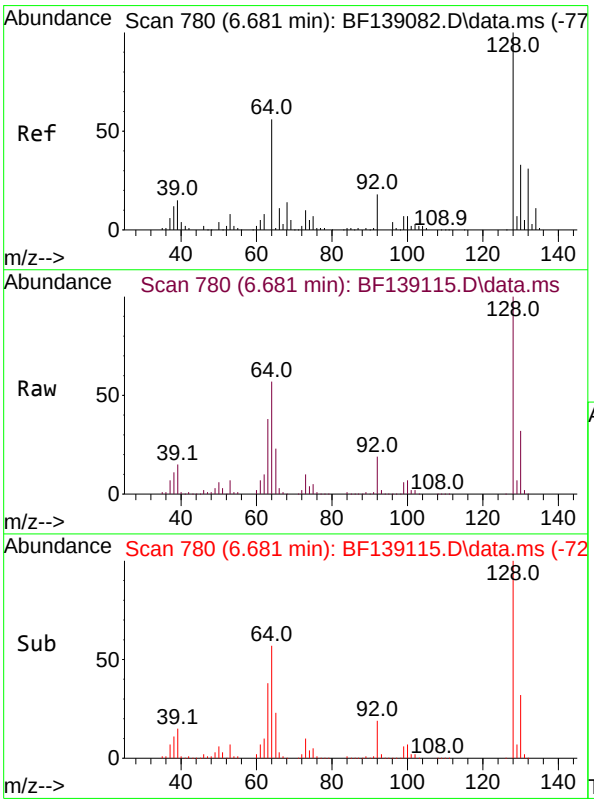
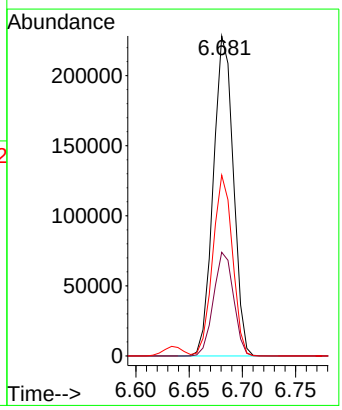
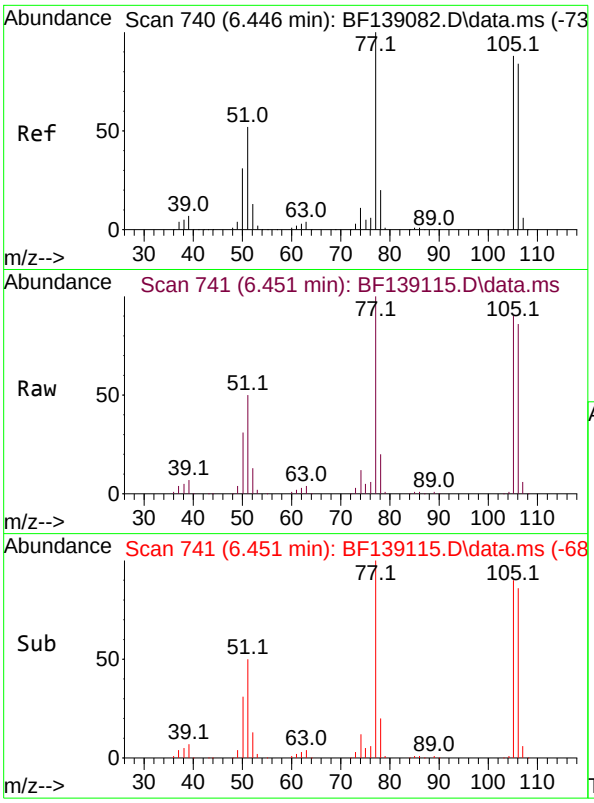


#8
2-Chlorophenol
Concen: 48.981 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:128 Resp: 298414

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	56.5	39.1	79.1

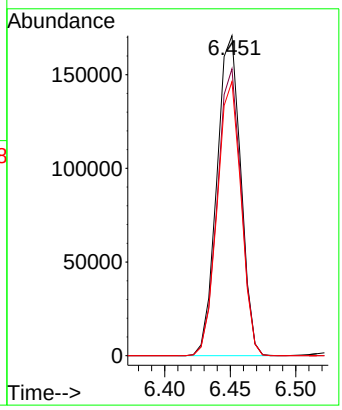




#9
Benzaldehyde
Concen: 45.121 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.005 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 77 Resp: 21658

Ion	Ratio	Lower	Upper
77	100		
105	89.7	68.2	108.2
106	85.7	63.8	103.8



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
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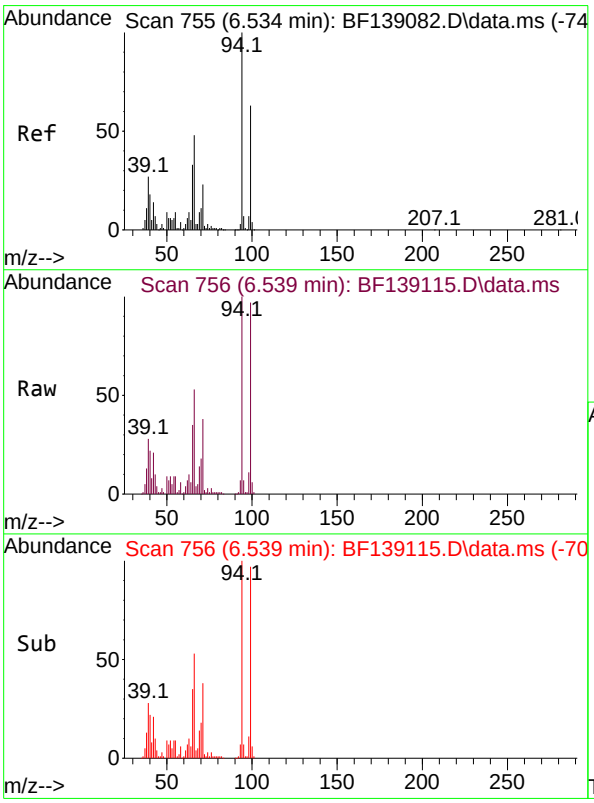
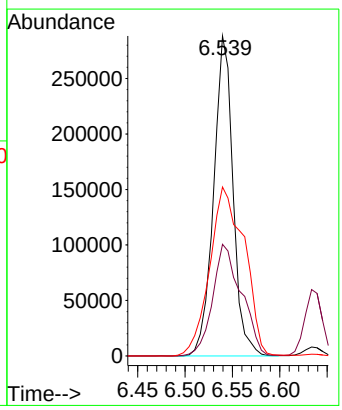
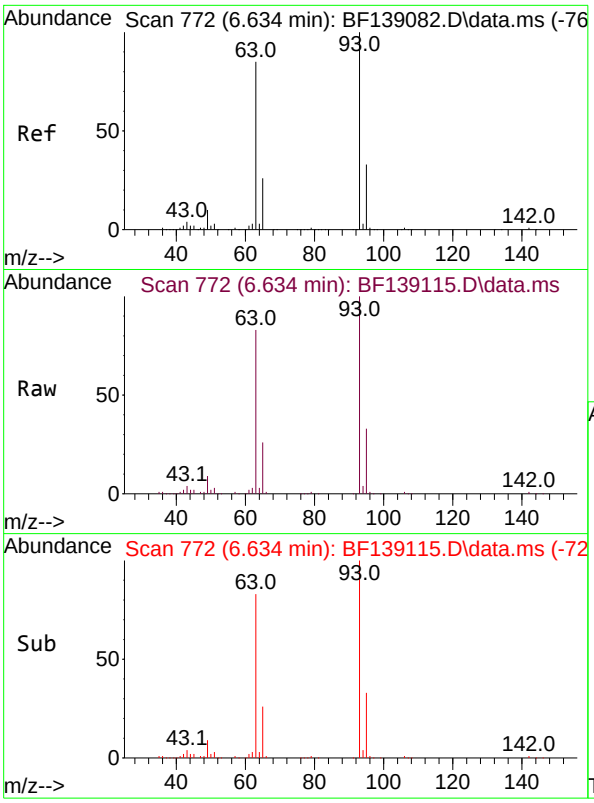


#10
Phenol
Concen: 48.422 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 94 Resp: 412363

Ion	Ratio	Lower	Upper
94	100		
65	34.9	13.5	53.5
66	52.8	28.5	68.5

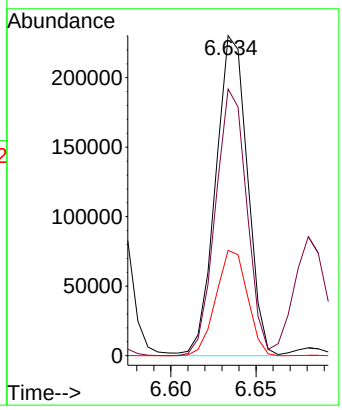




#11
bis(2-Chloroethyl)ether
Concen: 43.650 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 93 Resp: 29893

Ion	Ratio	Lower	Upper
93	100		
63	83.3	62.7	102.7
95	32.9	11.9	51.9



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
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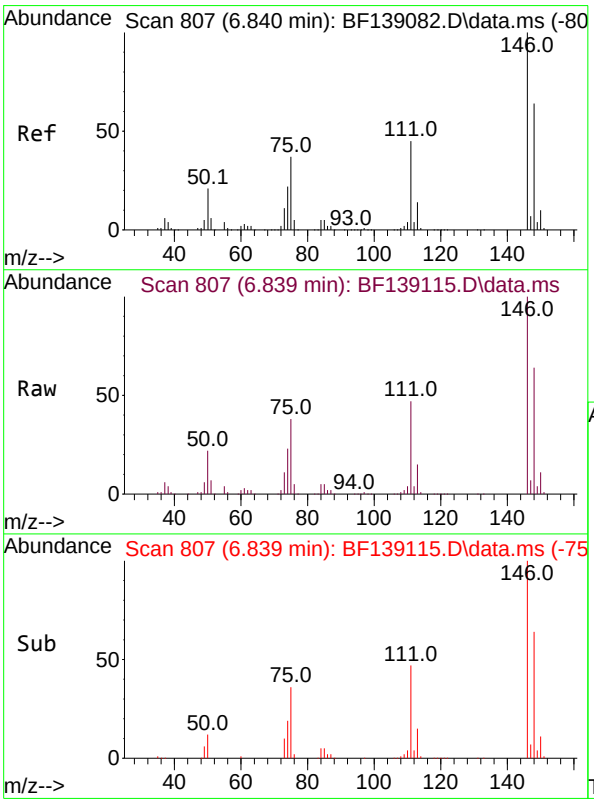
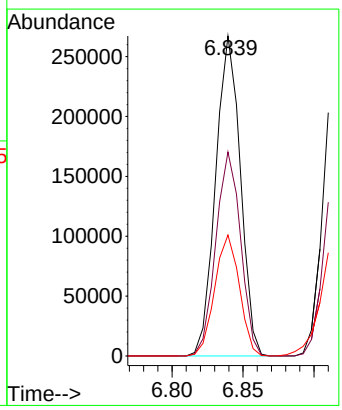
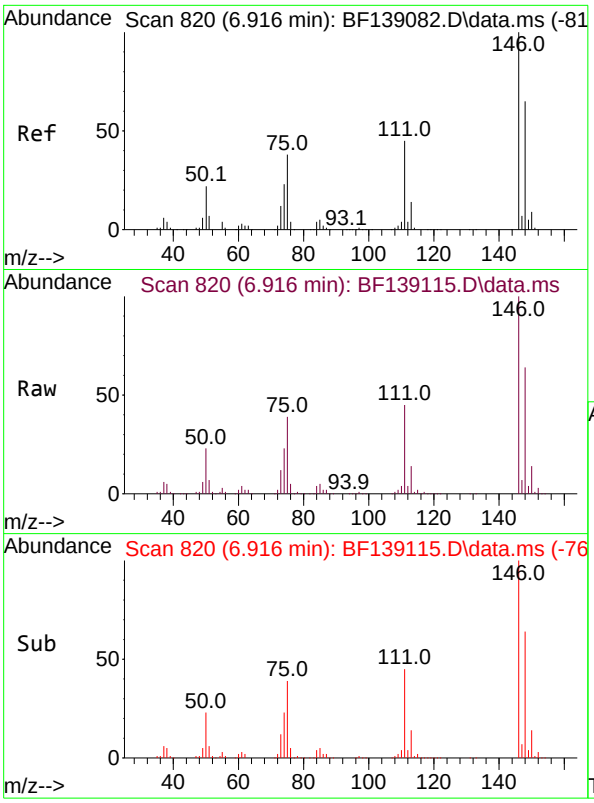


#12
1,3-Dichlorobenzene
Concen: 44.166 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:146 Resp: 323516

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
75	37.8	29.9	44.9

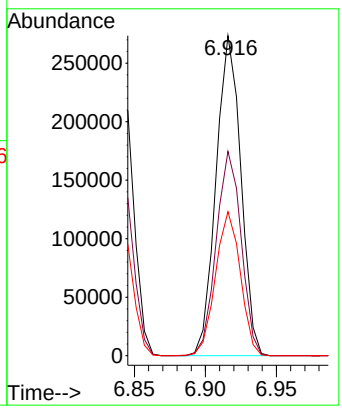




#13
1,4-Dichlorobenzene
Concen: 45.354 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:146 Resp: 33216

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
111	45.0	35.8	53.6



Instrument :
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ClientSampleId :
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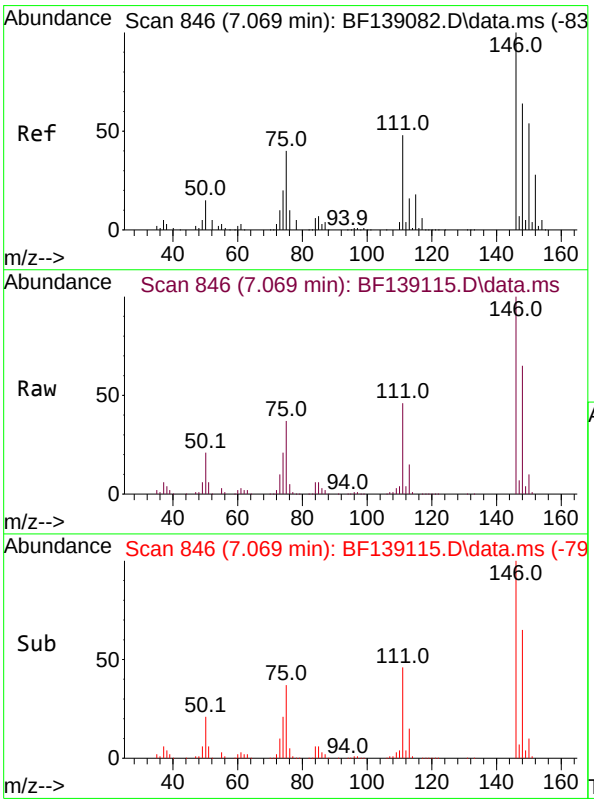
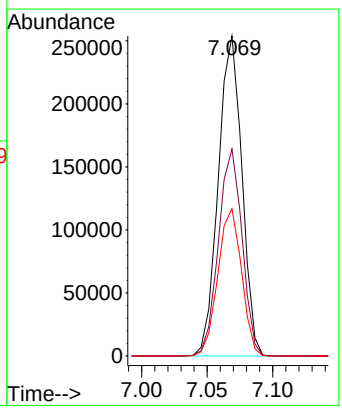
Supervised By :mohammad ahmed 08/23/2024

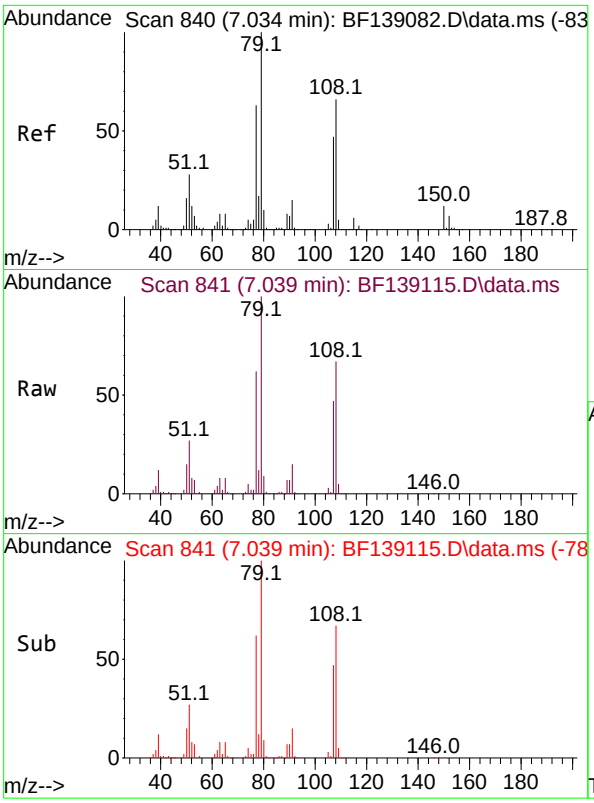


#14
1,2-Dichlorobenzene
Concen: 47.494 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:146 Resp: 317904

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	46.0	38.1	57.1





#15
Benzyl Alcohol
Concen: 49.740 ng
RT: 7.039 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 79 Resp: 32175

Ion	Ratio	Lower	Upper
79	100		
108	66.7	52.8	79.2
77	62.0	50.6	76.0

Instrument :
BNA_F
ClientSampleId :
PB162687BS

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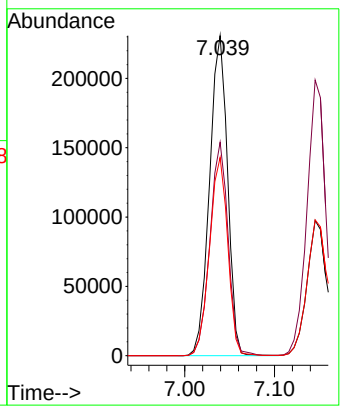
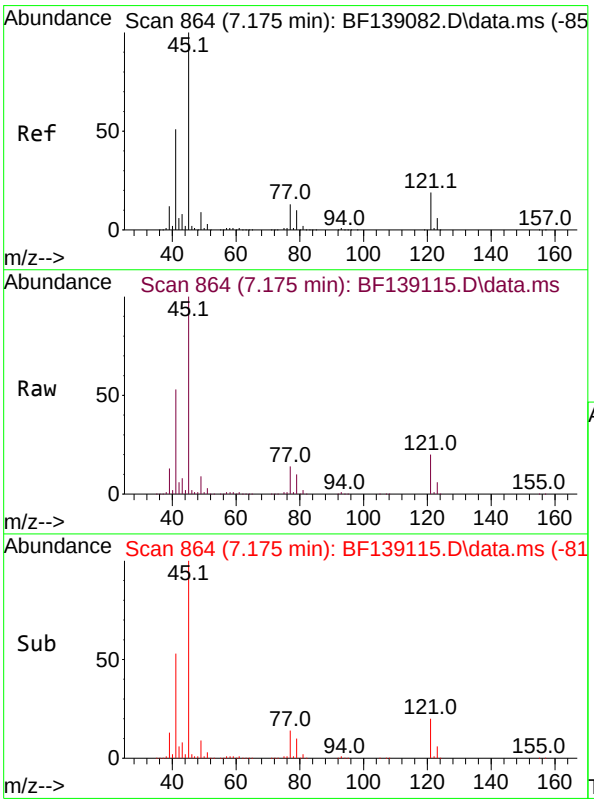
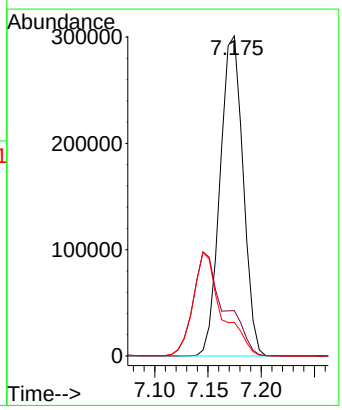


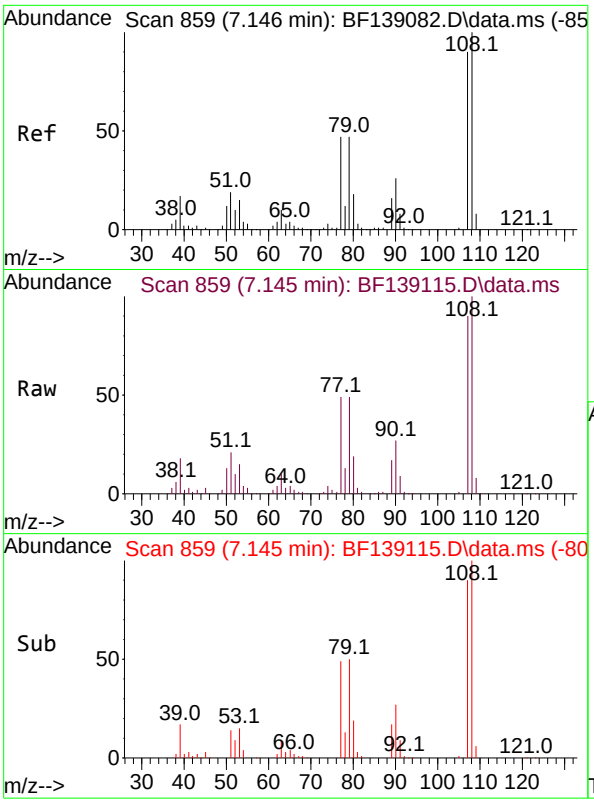


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.842 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 45 Resp: 451888

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.7
79	10.4	0.0	30.4

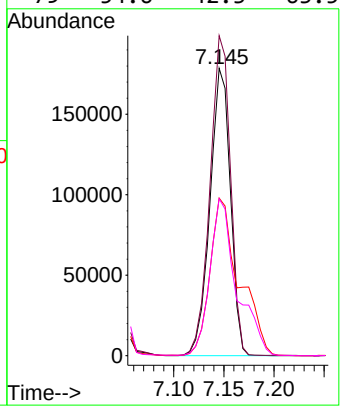




#17
2-Methylphenol
Concen: 48.422 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:107 Resp: 25237

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.1	133.7
77	54.9	42.1	63.1
79	54.6	42.3	63.5



Instrument :
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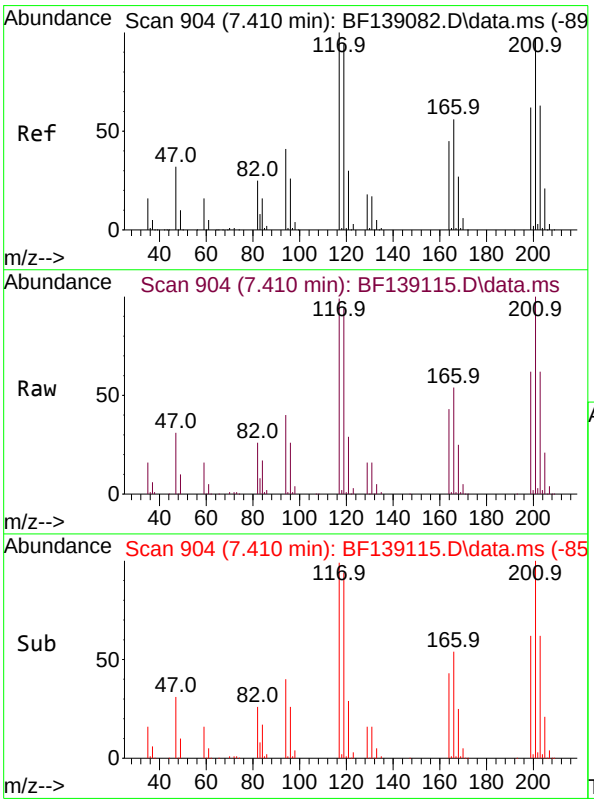
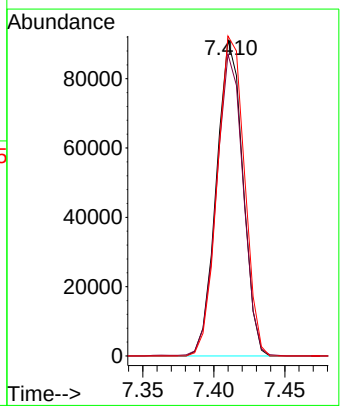
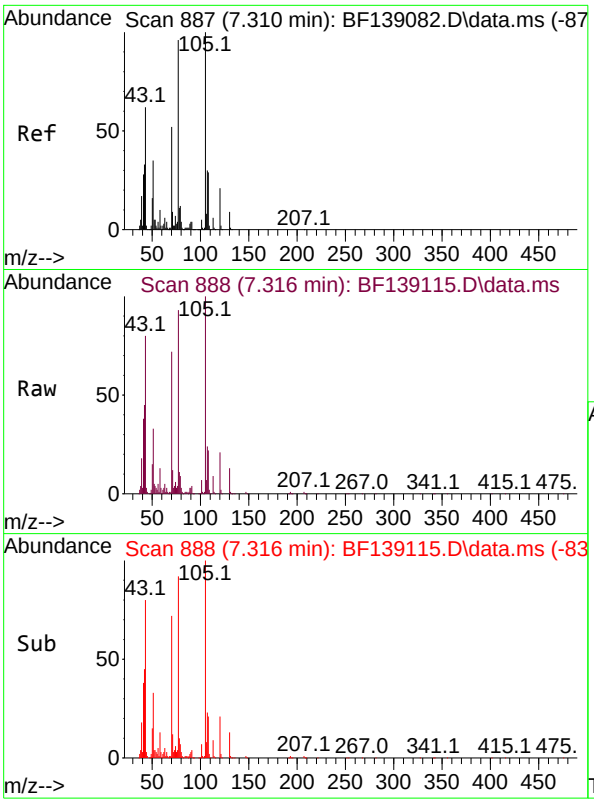


#18
Hexachloroethane
Concen: 45.874 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:117 Resp: 117814

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.5	113.3
201	101.2	77.8	116.8

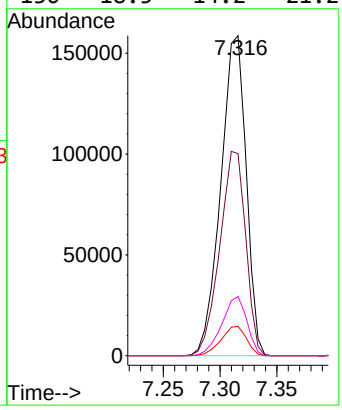




#19
n-Nitroso-di-n-propylamine
Concen: 46.021 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 70 Resp: 24735

Ion	Ratio	Lower	Upper
70	100		
42	63.2	50.5	75.7
101	9.2	7.2	10.8
130	18.5	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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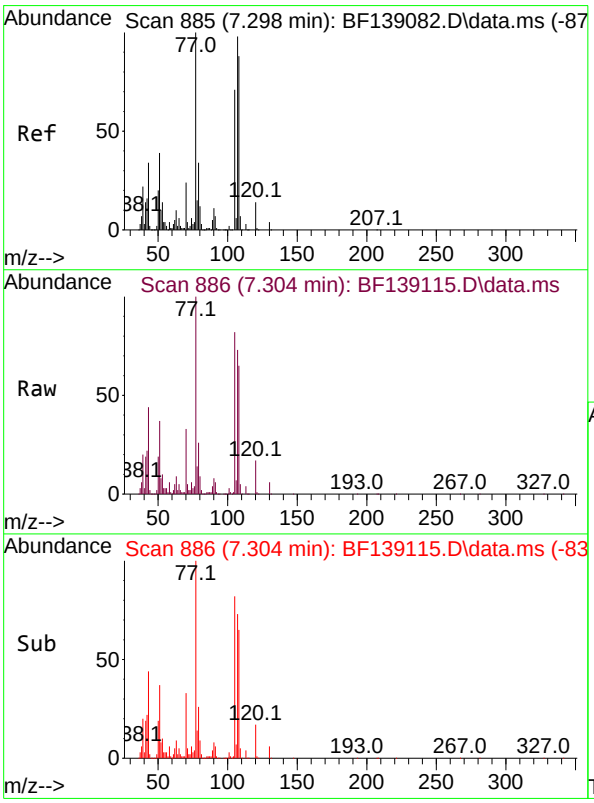
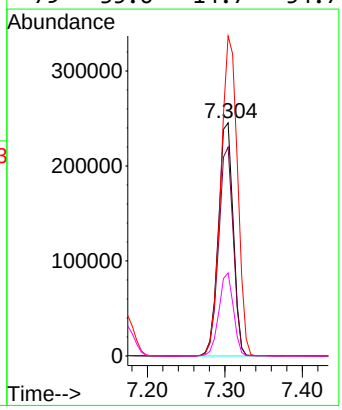
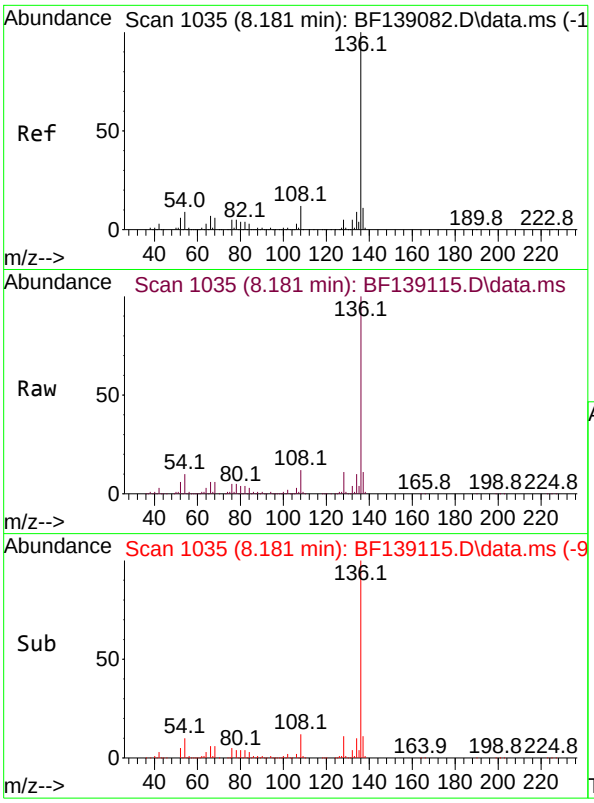


#20
3+4-Methylphenols
Concen: 48.392 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:107 Resp: 326789

Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.2	110.2
77	137.2	82.7	122.7#
79	35.6	14.7	54.7

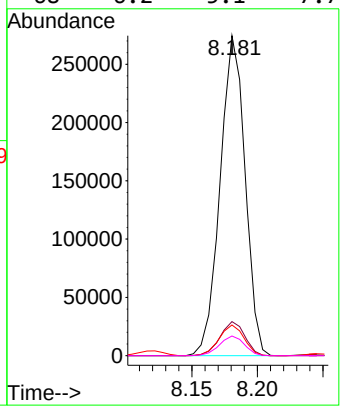




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:136 Resp: 36346

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.6	7.6	11.4
68	6.2	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
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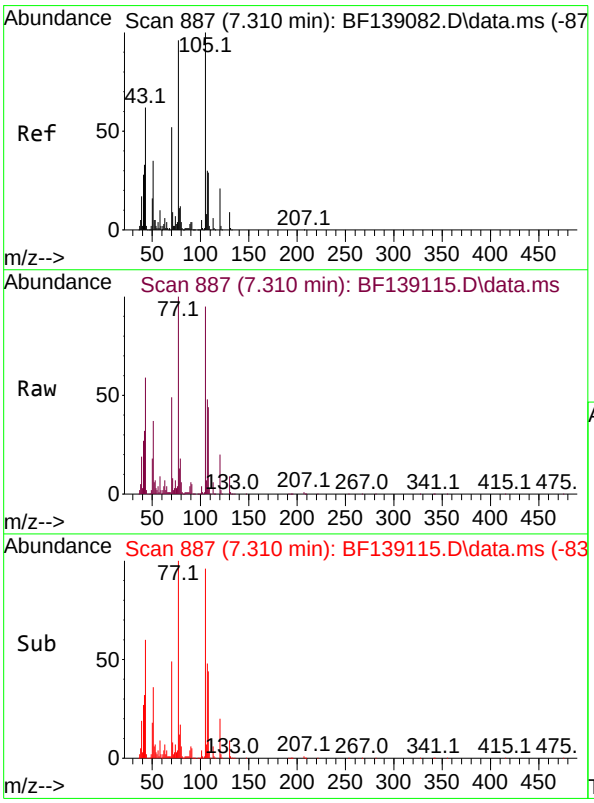
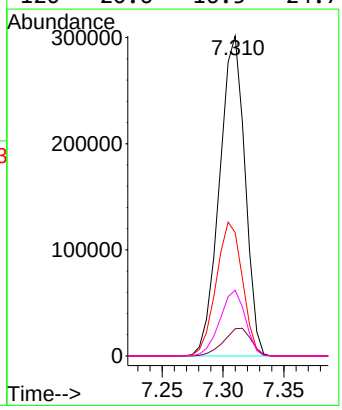
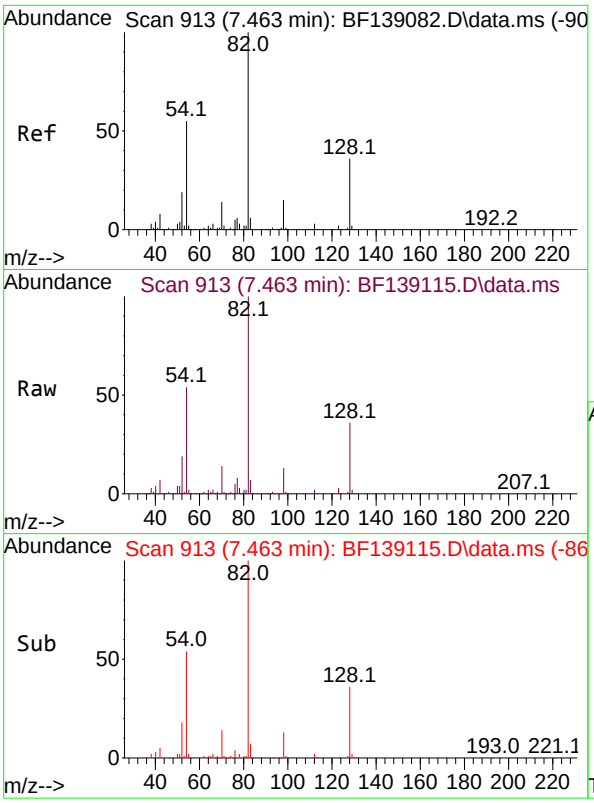


#22
Acetophenone
Concen: 47.288 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:105 Resp: 438849

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.0	10.6
51	38.5	28.0	42.0
120	20.6	16.5	24.7





#23
Nitrobenzene-d5
Concen: 115.015 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 82 Resp: 71741

Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.0	43.4
54	54.2	43.4	65.2

Instrument :
BNA_F
ClientSampleId :
PB162687BS

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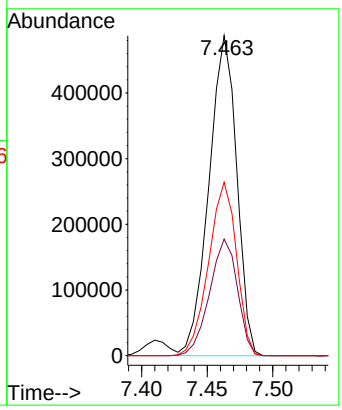
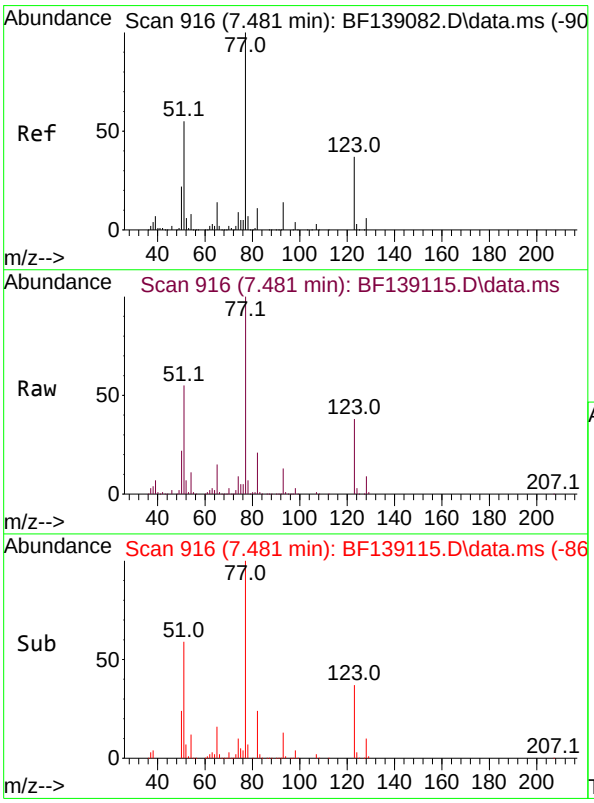
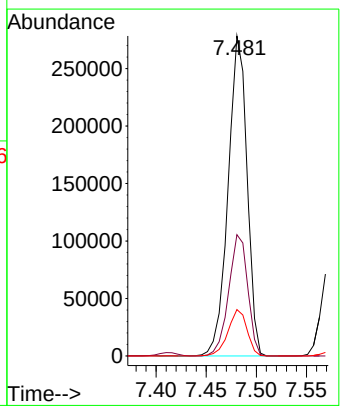


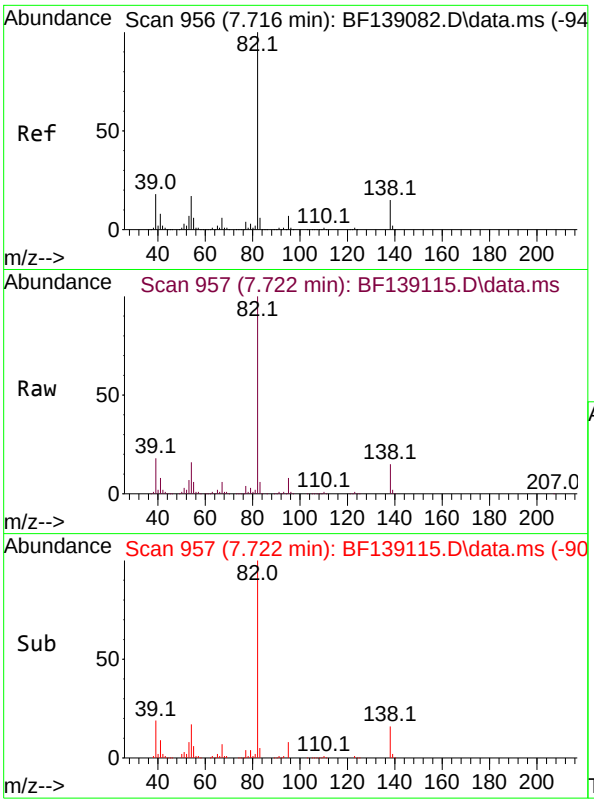


#24
Nitrobenzene
Concen: 52.845 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 77 Resp: 366386

Ion	Ratio	Lower	Upper
77	100		
123	37.9	30.3	45.5
65	14.5	11.3	16.9





#25
Isophorone
Concen: 49.250 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 82 Resp: 65294

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	15.1	11.8	17.8

Instrument :
BNA_F
ClientSampleId :
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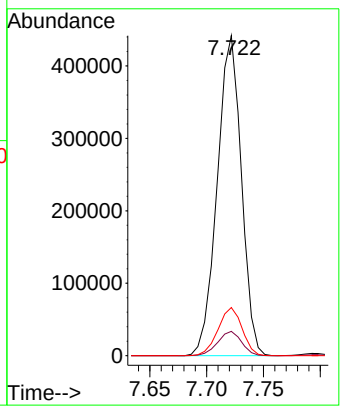
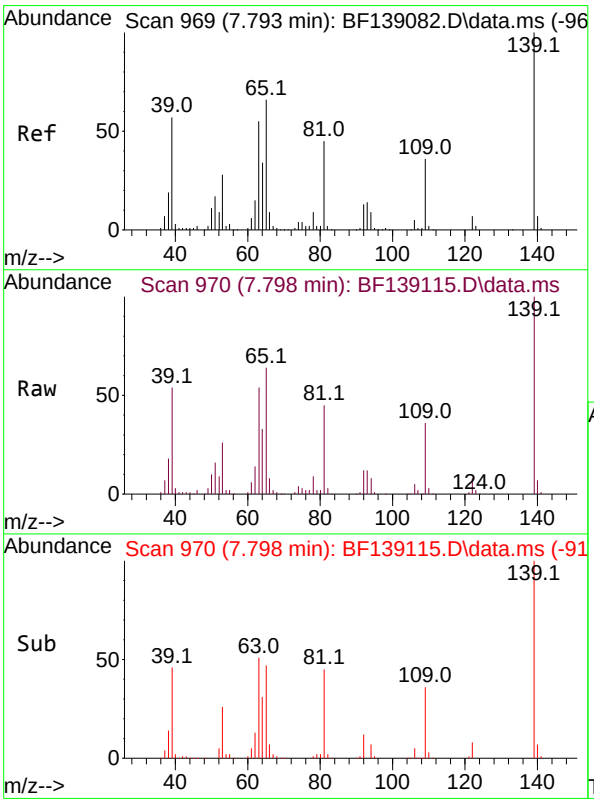
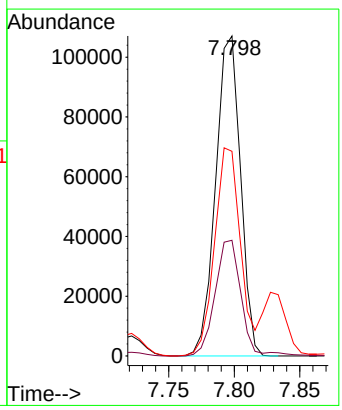


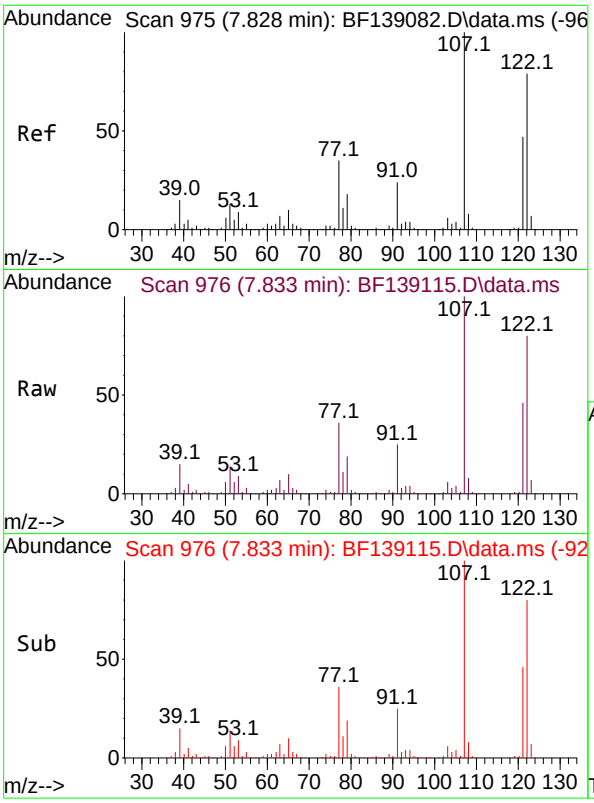


#26
2-Nitrophenol
Concen: 57.194 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:139 Resp: 141212

Ion	Ratio	Lower	Upper
139	100		
109	36.1	29.2	43.8
65	64.0	52.7	79.1

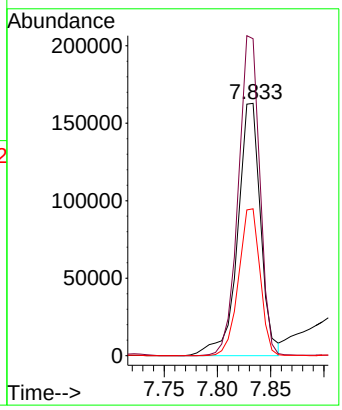




#27
2,4-Dimethylphenol
Concen: 57.965 ng
RT: 7.833 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:122 Resp: 24369

Ion	Ratio	Lower	Upper
122	100		
107	125.6	101.1	151.7
121	58.2	47.5	71.3



Instrument :
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ClientSampleId :
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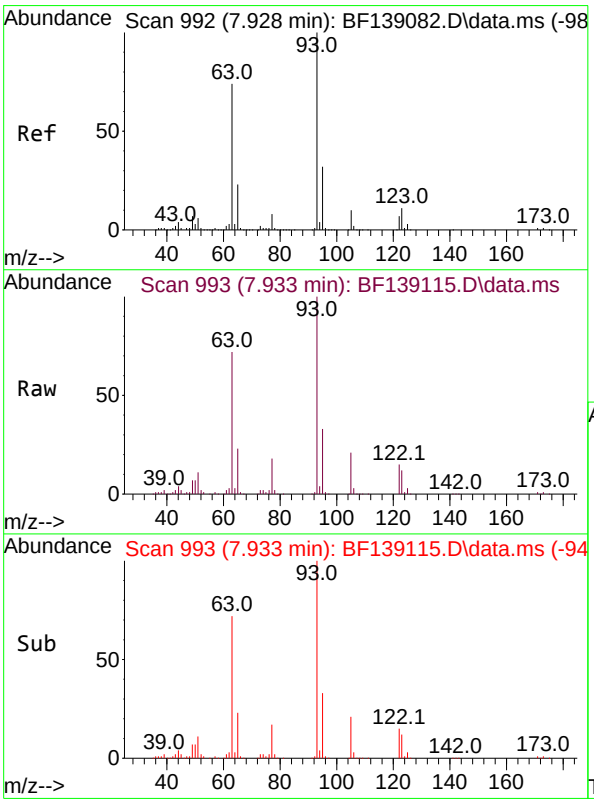
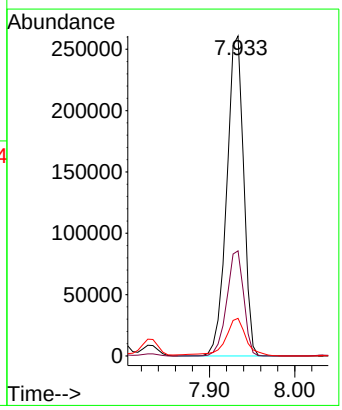
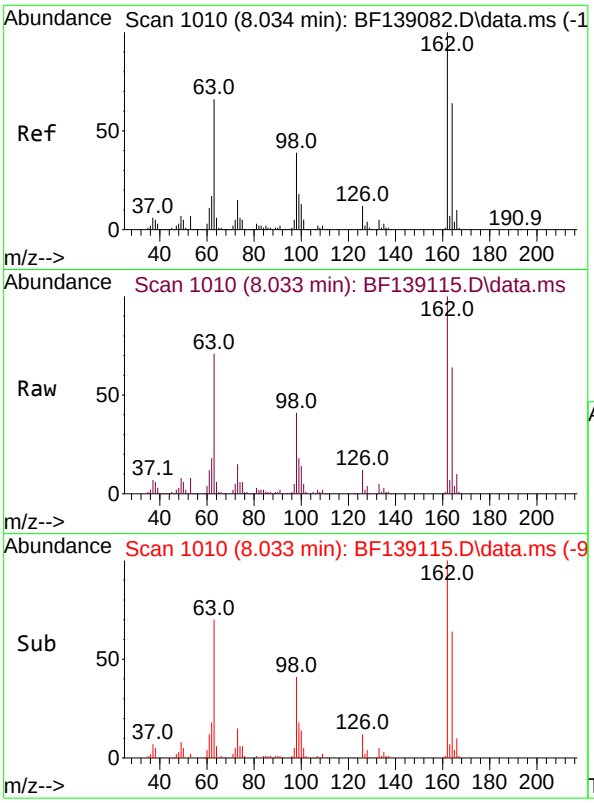


#28
bis(2-Chloroethoxy)methane
Concen: 46.338 ng
RT: 7.933 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 93 Resp: 358964

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	11.7	8.9	13.3





#29
2,4-Dichlorophenol
Concen: 48.765 ng
RT: 8.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:162 Resp: 25540

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.9	83.9
98	41.4	19.7	59.7

Instrument :
BNA_F
ClientSampleId :
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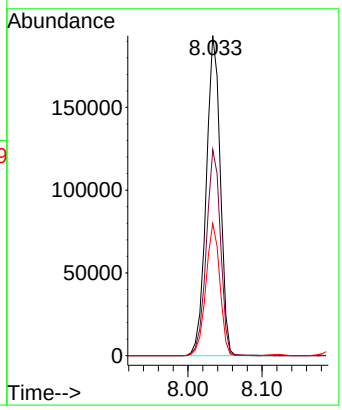
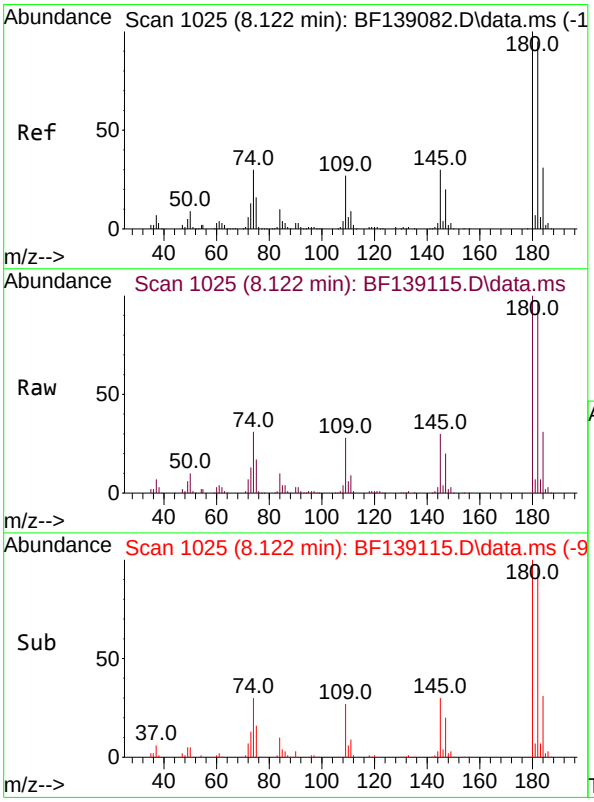
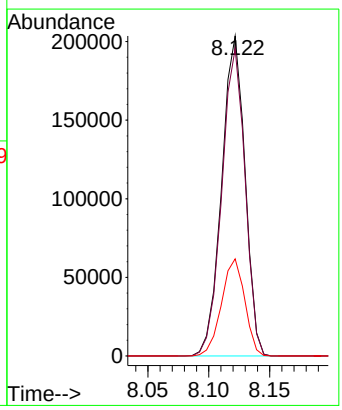


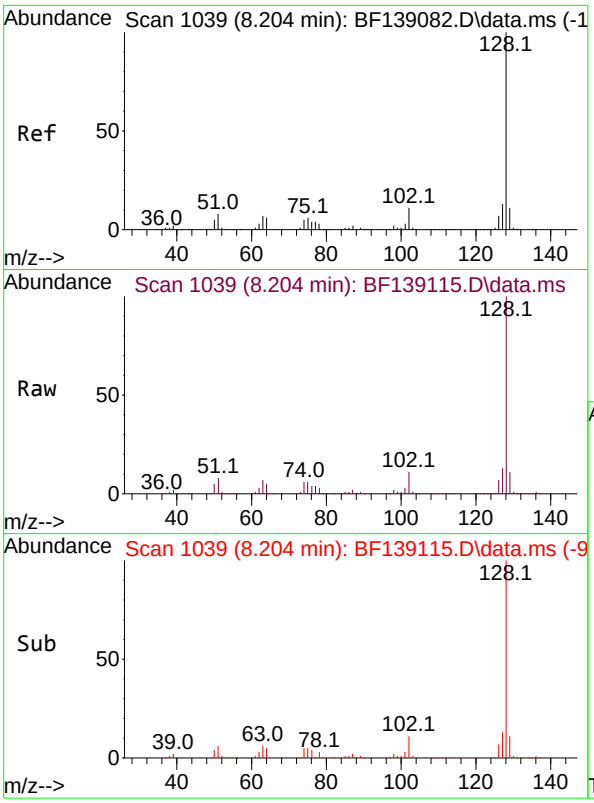


#30
1,2,4-Trichlorobenzene
Concen: 44.286 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:180 Resp: 271601

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	30.4	23.9	35.9

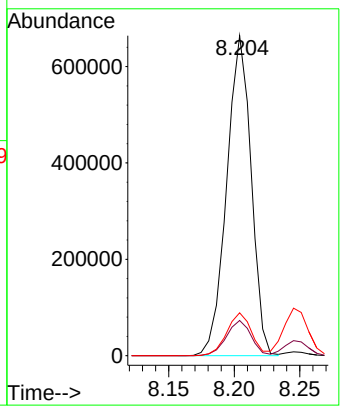




#31
Naphthalene
Concen: 46.810 ng
RT: 8.204 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:128 Resp: 86216(

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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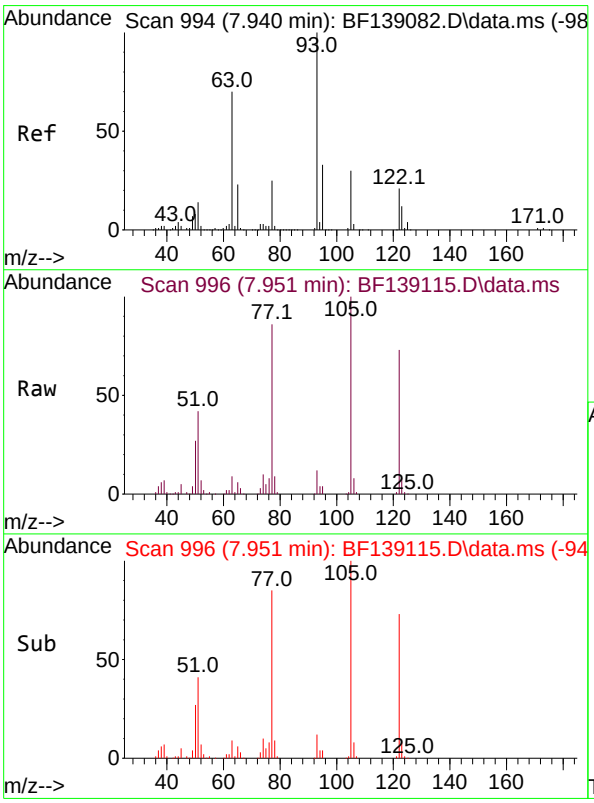
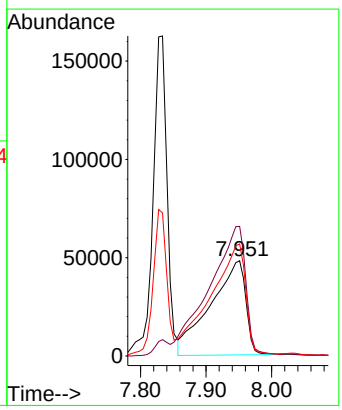
Supervised By :mohammad ahmed 08/23/2024

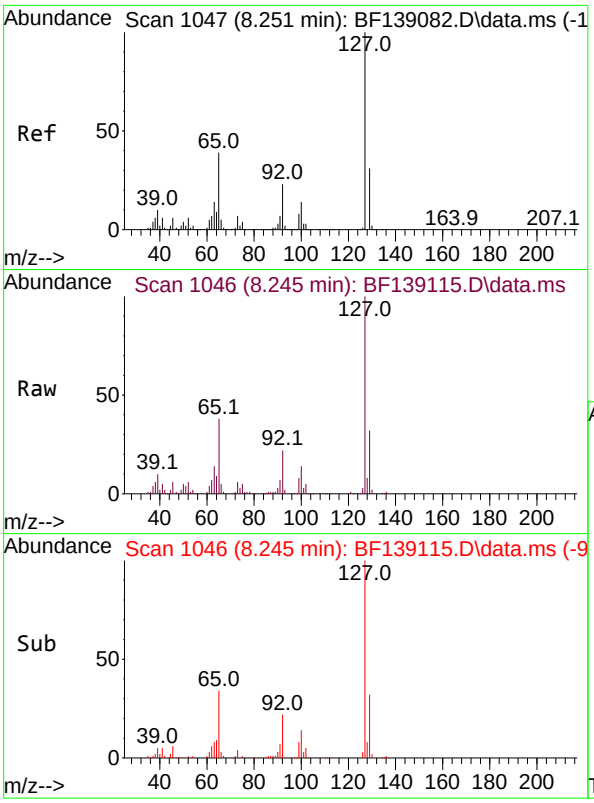


#32
Benzoic acid
Concen: 50.562 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:122 Resp: 178909

Ion	Ratio	Lower	Upper
122	100		
105	136.3	119.6	159.6
77	117.7	97.6	137.6

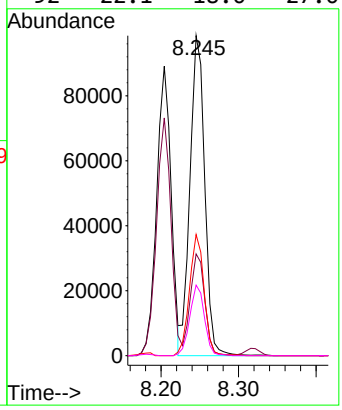




#33
4-Chloroaniline
Concen: 20.732 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:127 Resp: 13077

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	37.9	30.3	45.5
92	22.1	18.0	27.0



Instrument :
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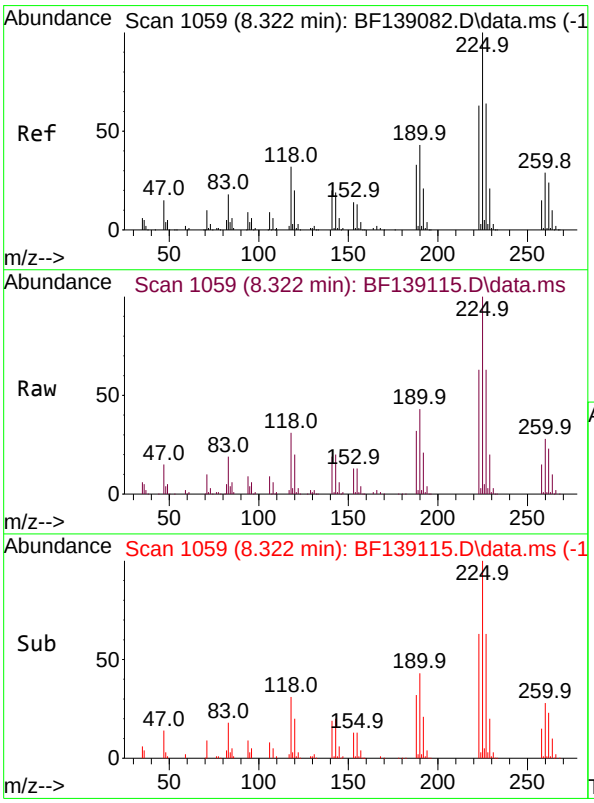
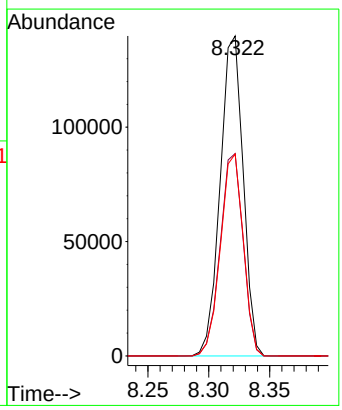
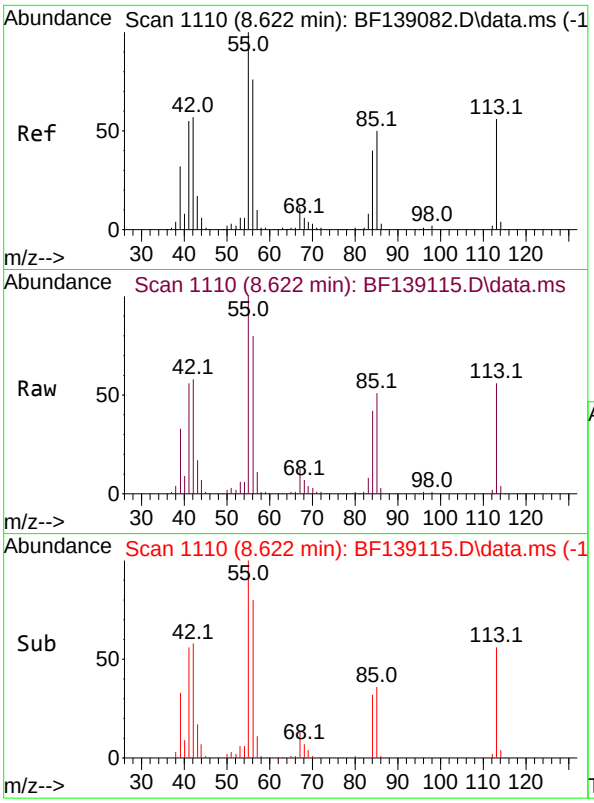


#34
Hexachlorobutadiene
Concen: 45.876 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:225 Resp: 183789

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.0	75.0
227	63.1	51.4	77.2

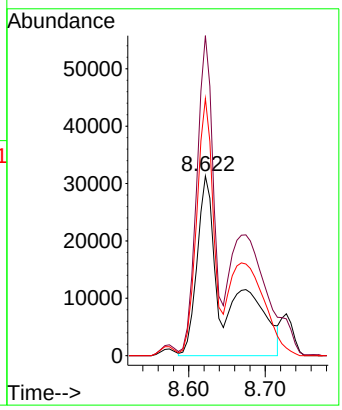




#35
Caprolactam
Concen: 51.172 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:113 Resp: 8497

Ion	Ratio	Lower	Upper
113	100		
55	178.1	158.6	198.6
56	143.1	115.9	155.9



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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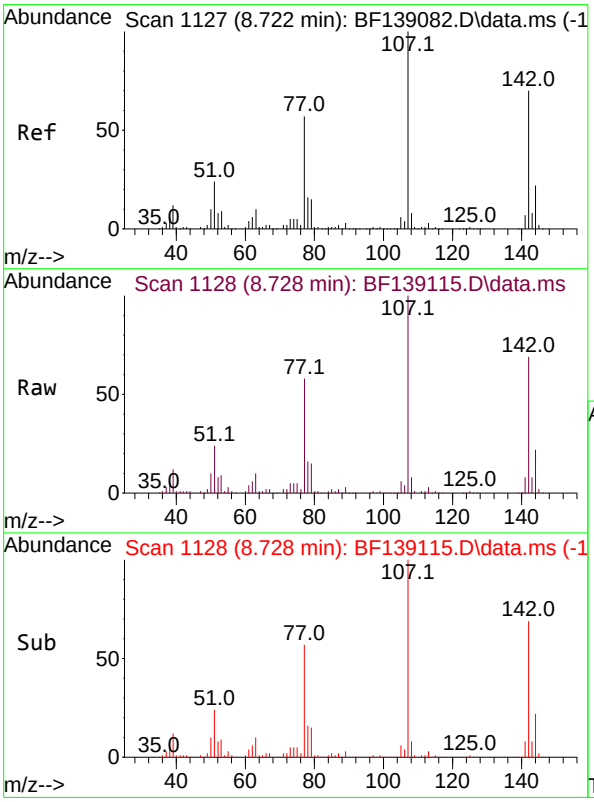
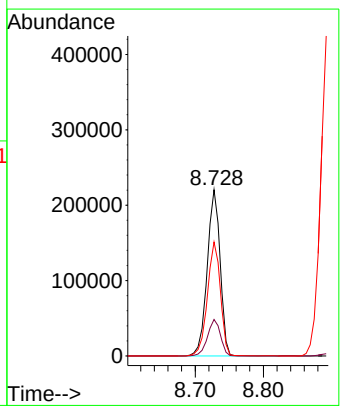
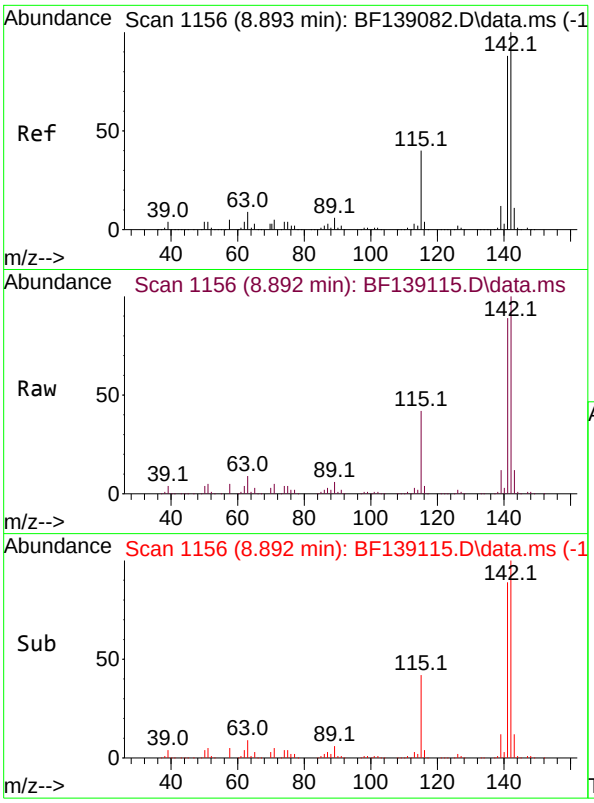


#36
4-Chloro-3-methylphenol
Concen: 50.321 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:107 Resp: 291823

Ion	Ratio	Lower	Upper
107	100		
144	22.0	17.7	26.5
142	68.5	55.6	83.4





#37
2-Methylnaphthalene
Concen: 47.687 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:142 Resp: 56337

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.6	105.8

Instrument :
BNA_F
ClientSampleId :
PB162687BS

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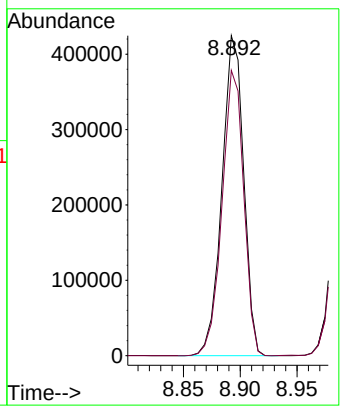
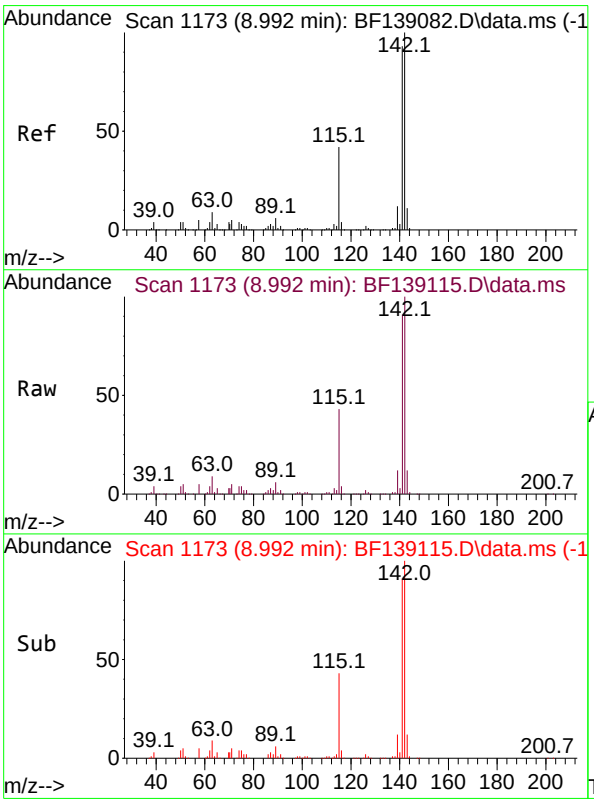
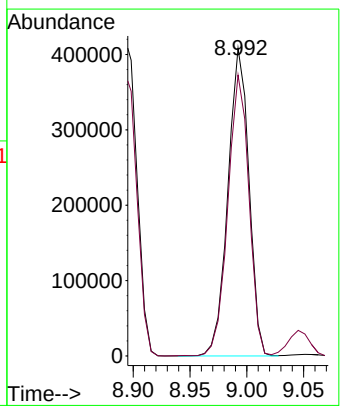


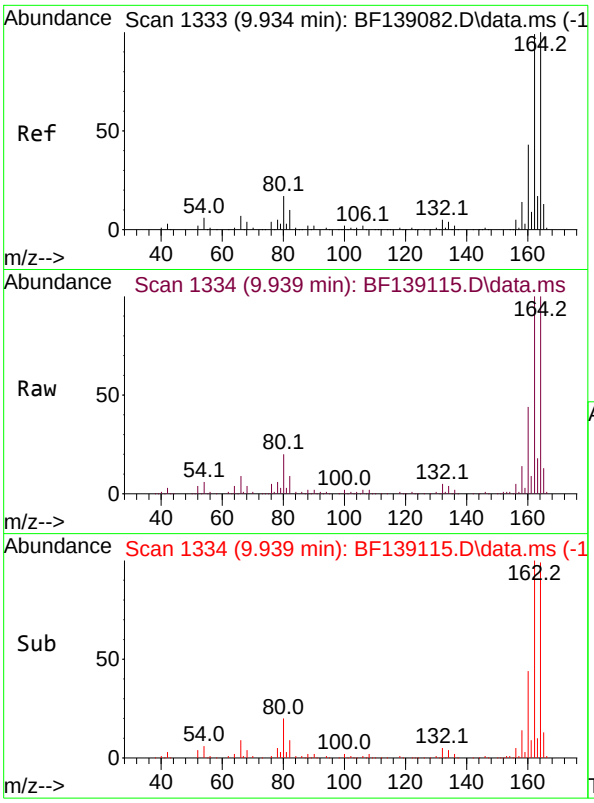


#38
1-Methylnaphthalene
Concen: 46.111 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:142 Resp: 525756

Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.1	111.1

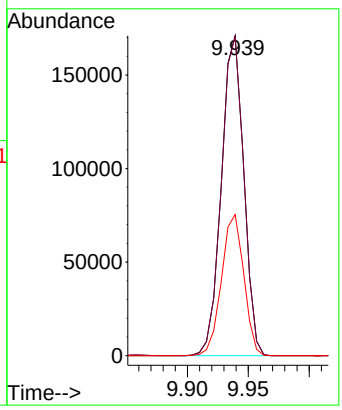




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:164 Resp: 21866

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.5	119.3
160	44.1	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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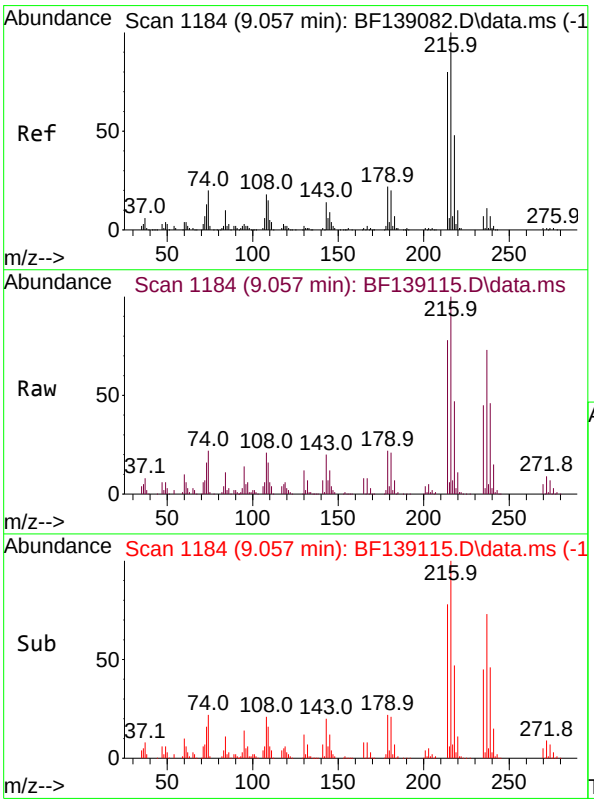
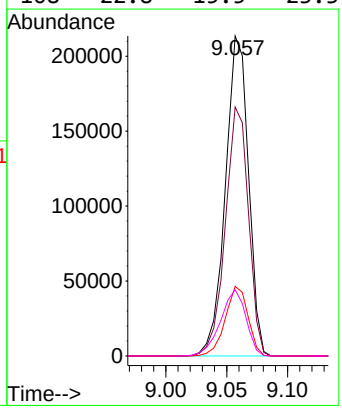
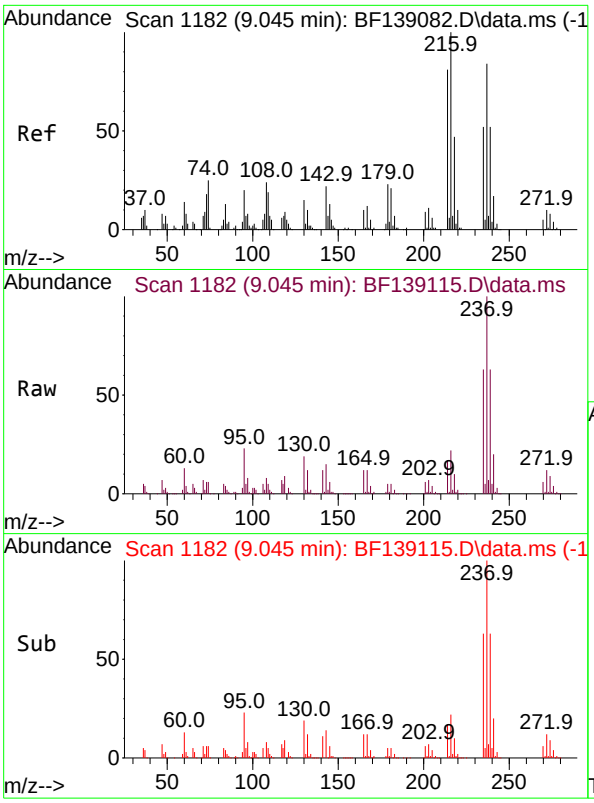


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.285 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:216 Resp: 281590

Ion	Ratio	Lower	Upper
216	100		
214	77.9	64.2	96.2
179	21.4	17.4	26.2
108	22.8	15.5	23.3





#41
Hexachlorocyclopentadiene
Concen: 170.735 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Instrument :
BNA_F
ClientSampleId :
PB162687BS

Tgt Ion:237 Resp: 39282

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.5	82.5
272	11.6	0.0	32.0

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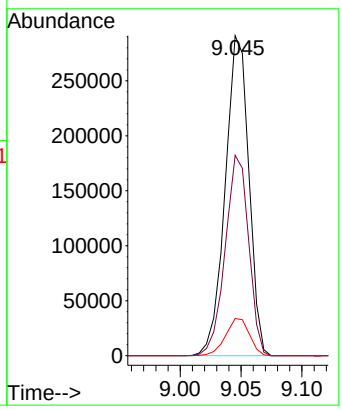
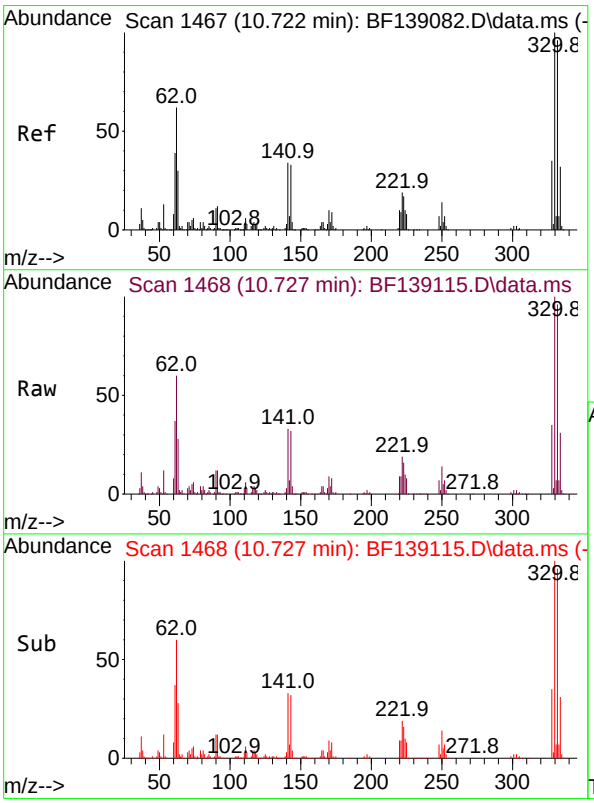
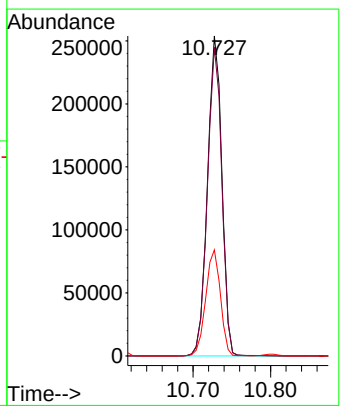


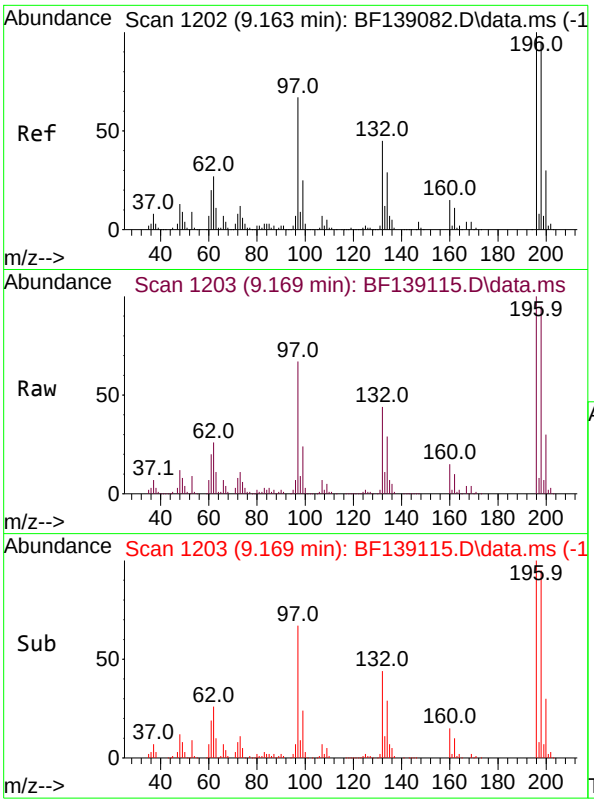


#42
2,4,6-Tribromophenol
Concen: 165.484 ng
RT: 10.727 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:330 Resp: 327576

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	33.9	27.5	41.3

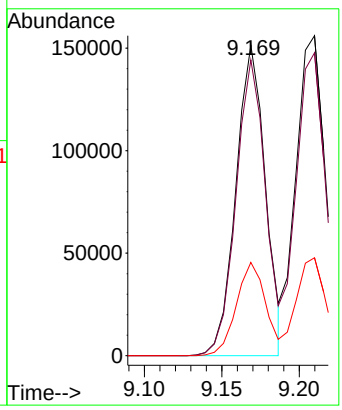




#43
2,4,6-Trichlorophenol
Concen: 49.515 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:196 Resp: 20003

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.4	114.6
200	30.0	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
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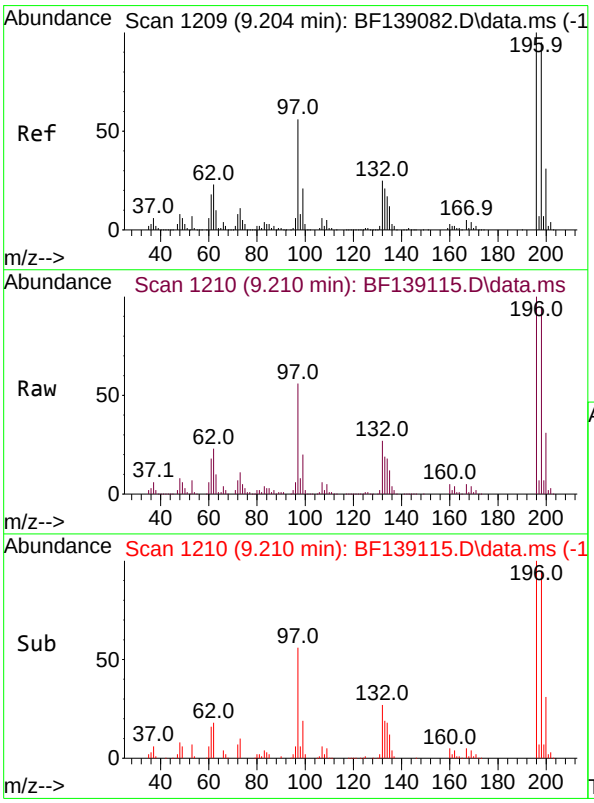
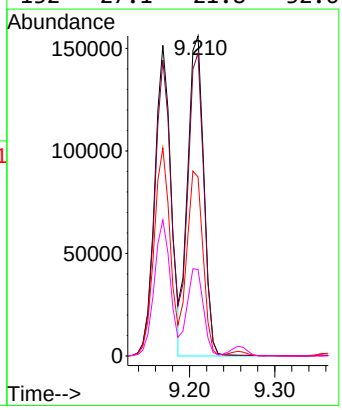
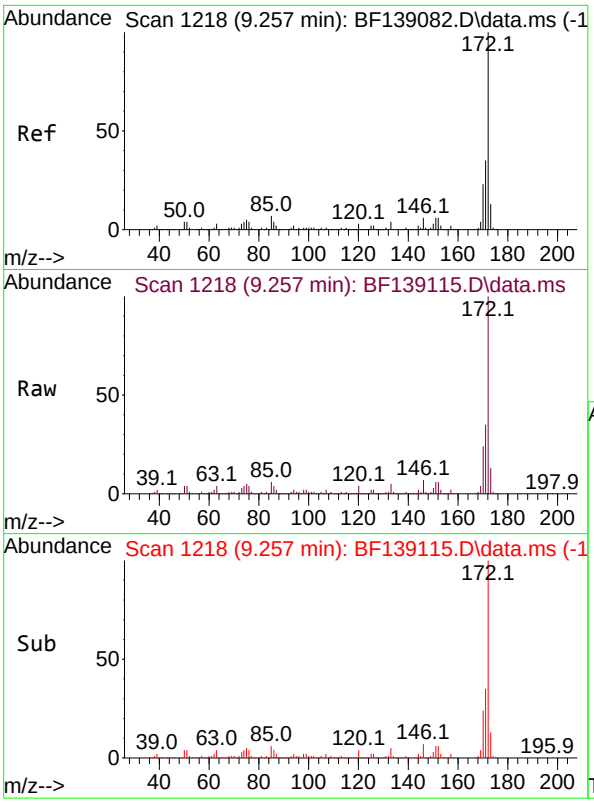


#44
2,4,5-Trichlorophenol
Concen: 49.570 ng
RT: 9.210 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:196 Resp: 205552

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.6	114.8
97	55.9	44.6	67.0
132	27.1	21.8	32.6

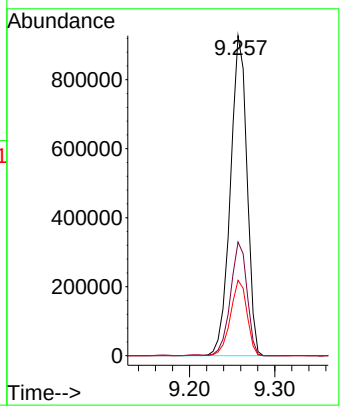




#45
2-Fluorobiphenyl
Concen: 90.967 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:172 Resp: 125367

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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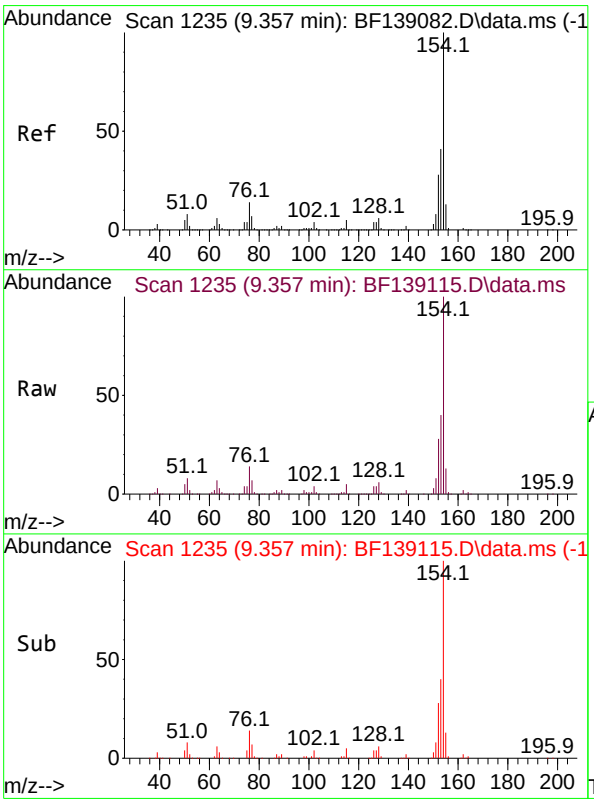
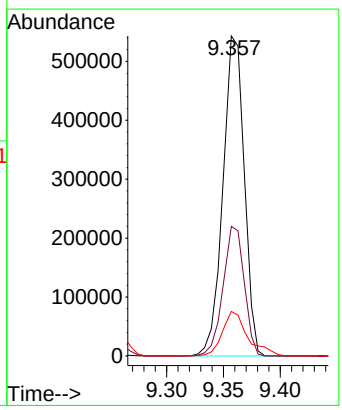
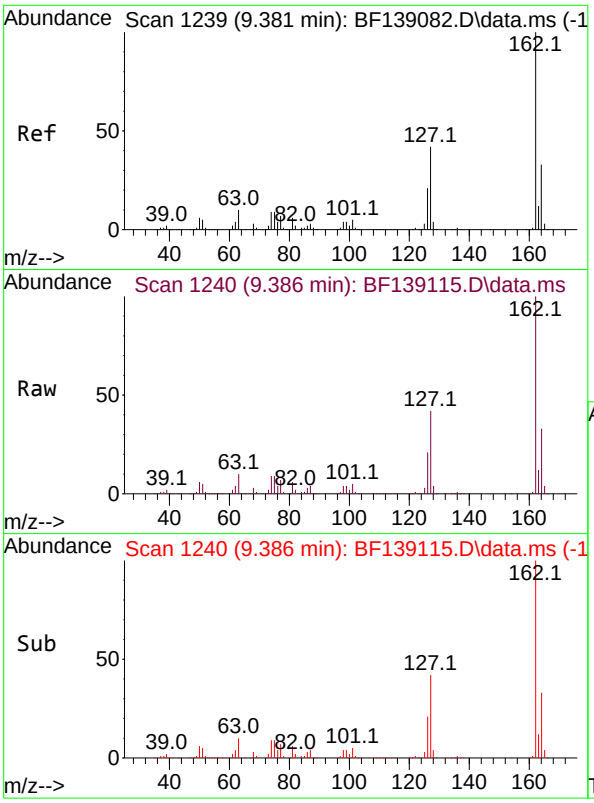


#46
1,1'-Biphenyl
Concen: 47.435 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:154 Resp: 710519

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.6	60.6
76	13.9	0.0	33.6

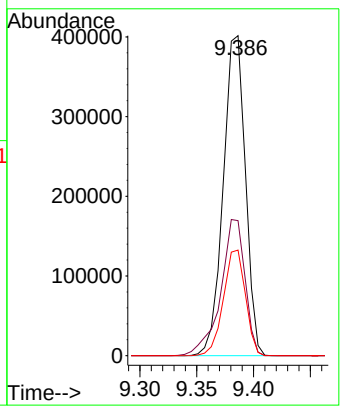




#47
2-Chloronaphthalene
Concen: 44.852 ng
RT: 9.386 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:162 Resp: 54587

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.8	50.6
164	33.0	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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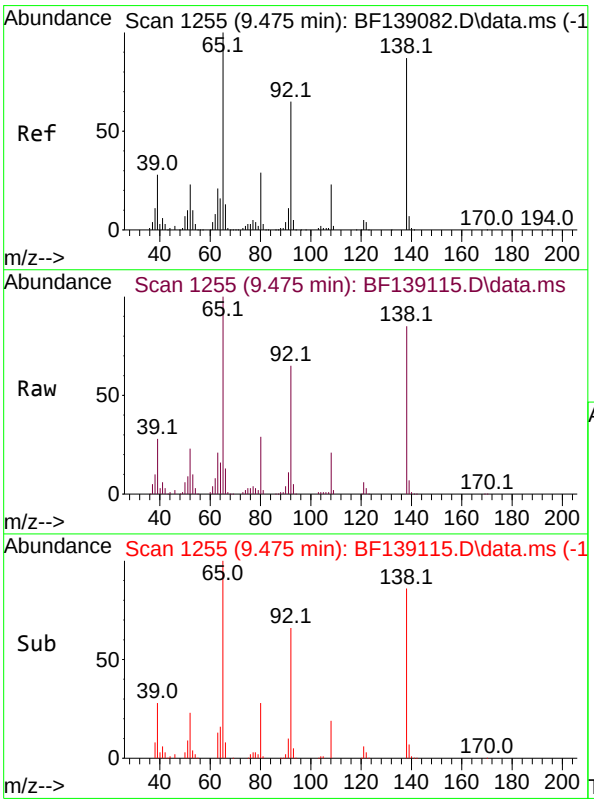
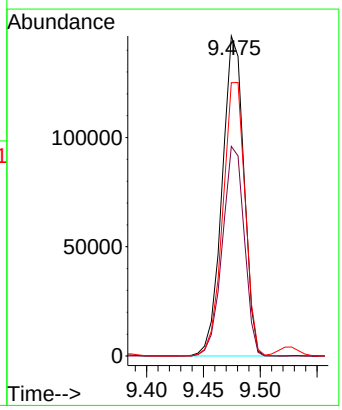
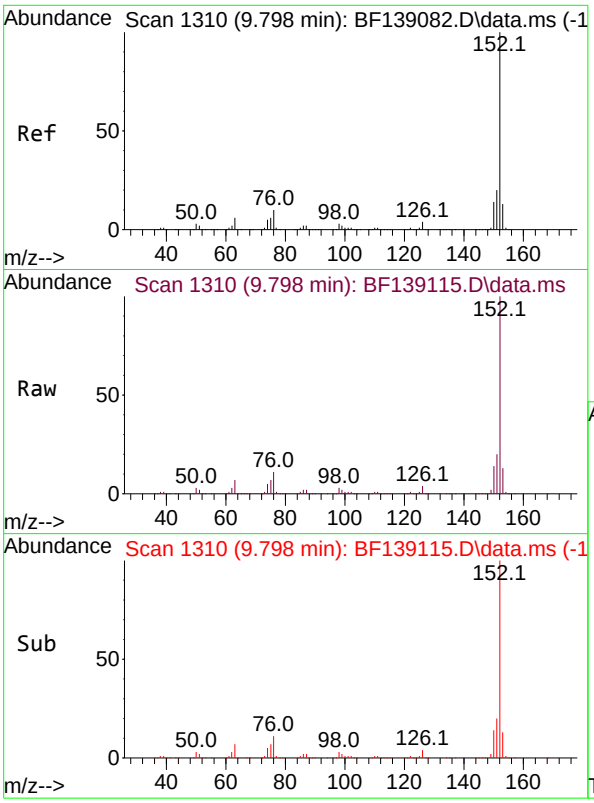


#48
2-Nitroaniline
Concen: 55.016 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 65 Resp: 195179

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.4	78.6
138	85.4	69.4	104.0

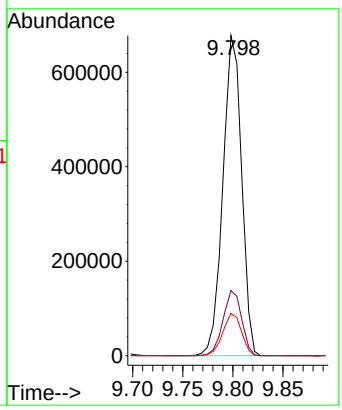




#49
Acenaphthylene
Concen: 50.359 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:152 Resp: 87799

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.2	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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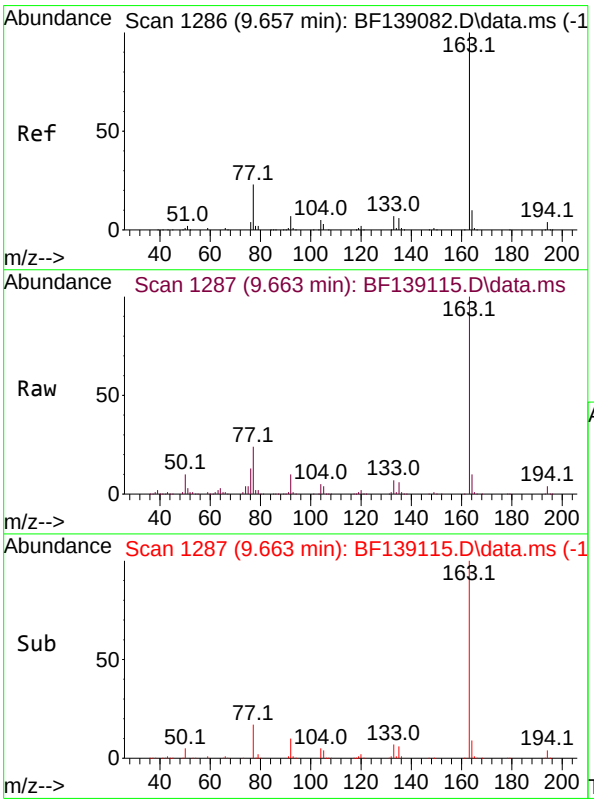
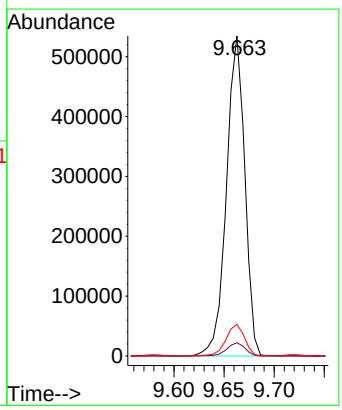
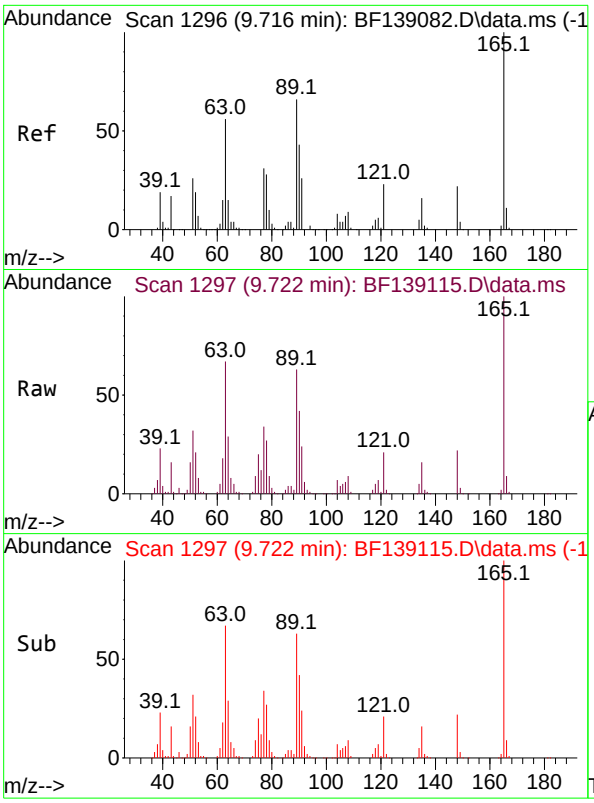


#50
Dimethylphthalate
Concen: 50.339 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:163 Resp: 679541

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 53.011 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:165 Resp: 14494

Ion	Ratio	Lower	Upper
165	100		
63	67.1	58.0	87.0
89	63.3	53.3	79.9

Instrument :
BNA_F
ClientSampleId :
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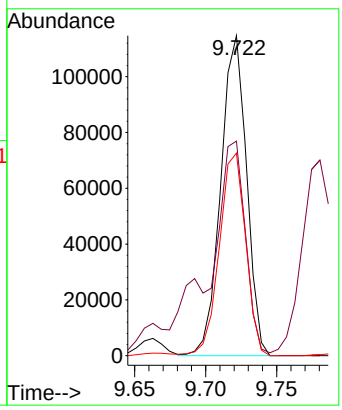
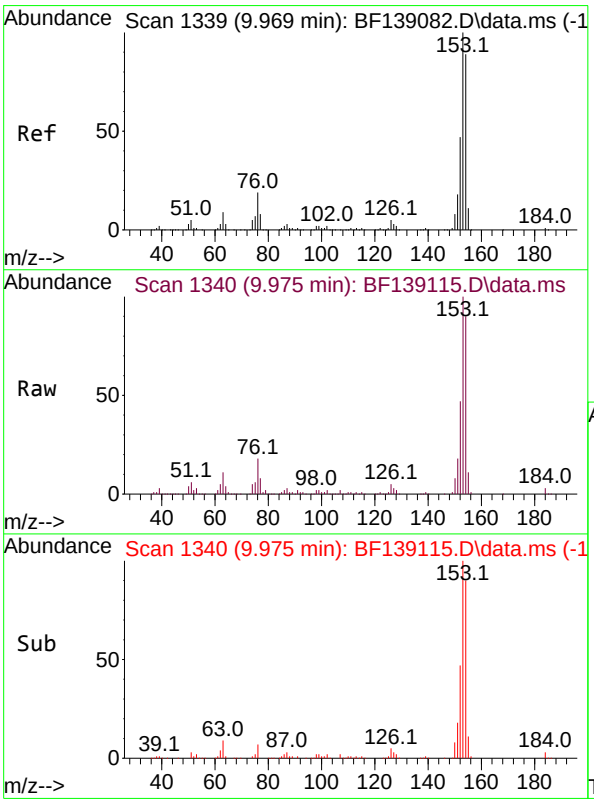
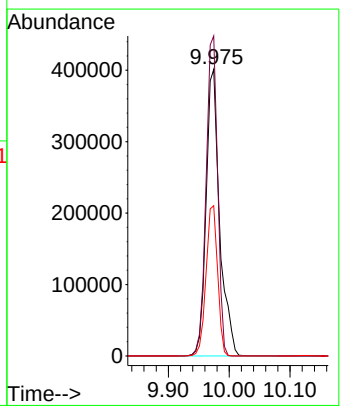


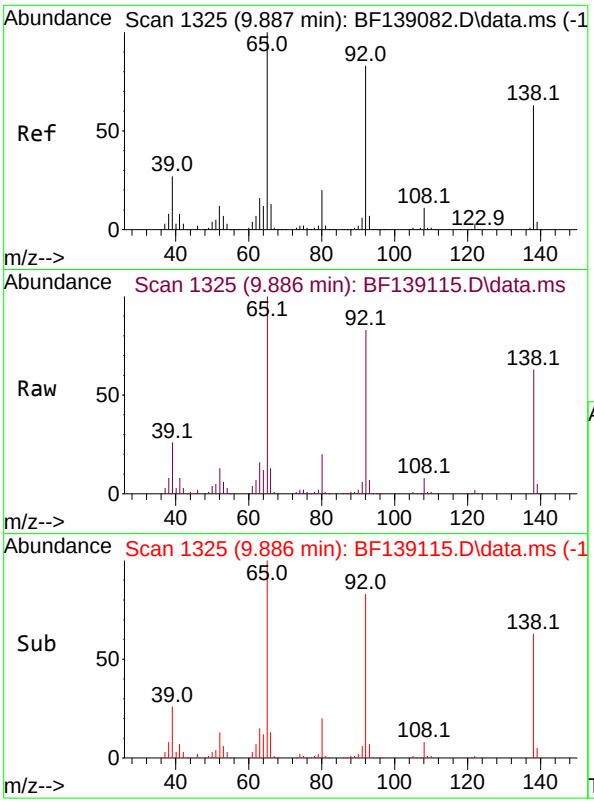


#52
Acenaphthene
Concen: 53.965 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:154 Resp: 621493

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.7	134.5
152	52.4	42.3	63.5





#53
3-Nitroaniline
Concen: 34.510 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:138 Resp: 9102

Ion	Ratio	Lower	Upper
138	100		
108	12.6	14.6	21.8#
92	132.0	105.9	158.9

Instrument :
BNA_F
ClientSampleId :
PB162687BS

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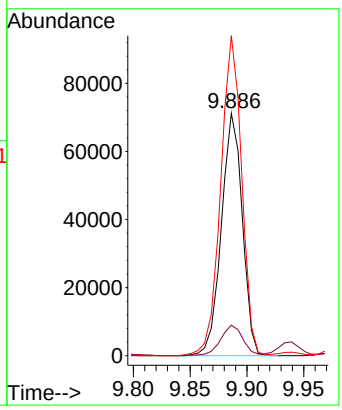
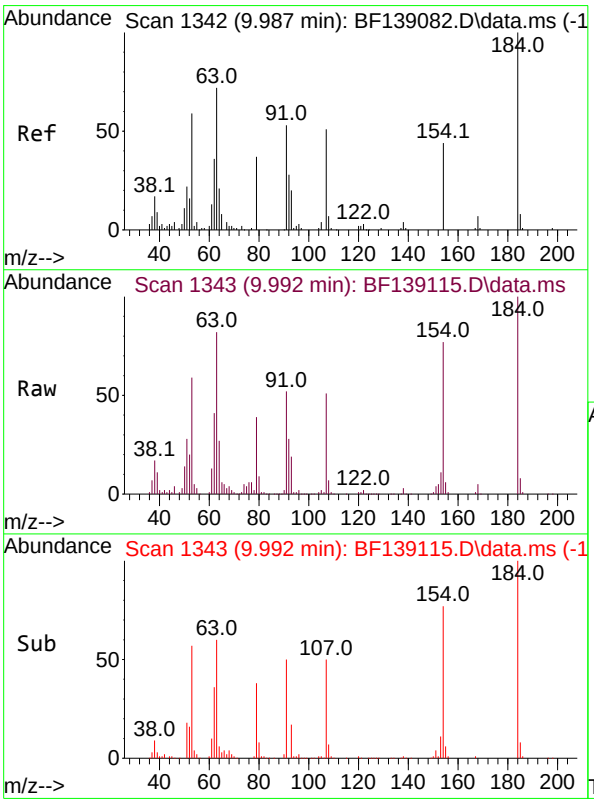
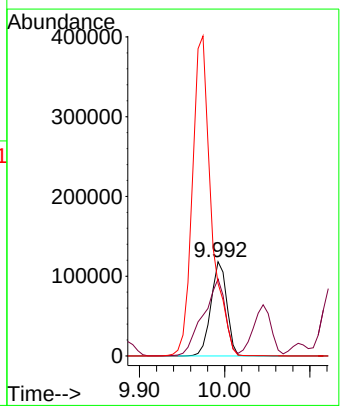


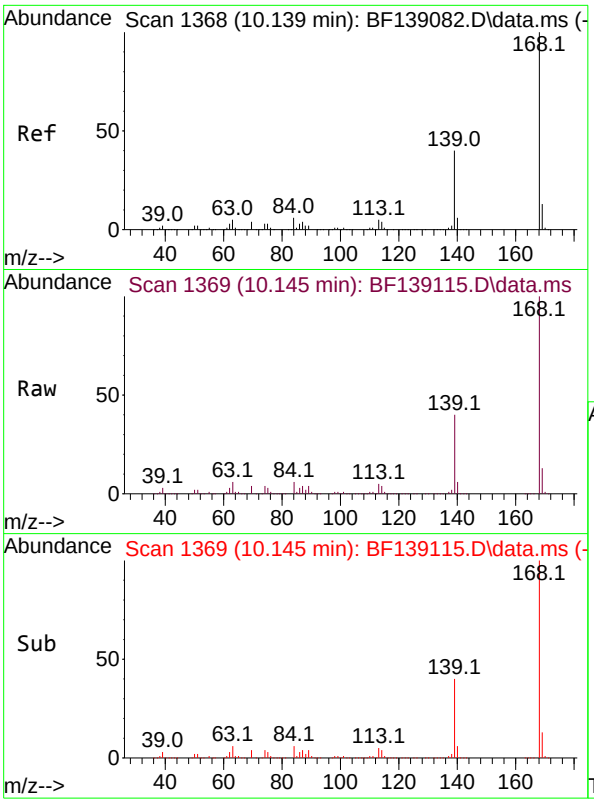


#54
2,4-Dinitrophenol
Concen: 107.507 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:184 Resp: 153288

Ion	Ratio	Lower	Upper
184	100		
63	81.7	70.5	105.7
154	76.9	135.0	202.6#

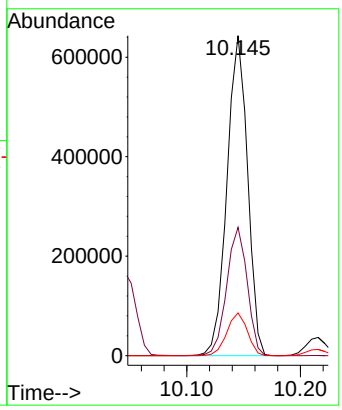




#55
Dibenzofuran
Concen: 48.434 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:168 Resp: 81019

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.6	47.4
169	13.3	10.7	16.1



Instrument :
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ClientSampleId :
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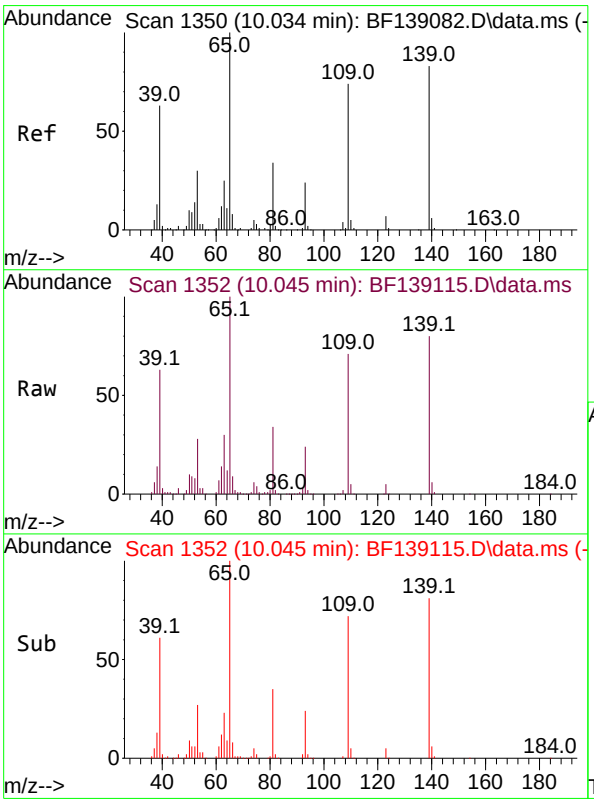
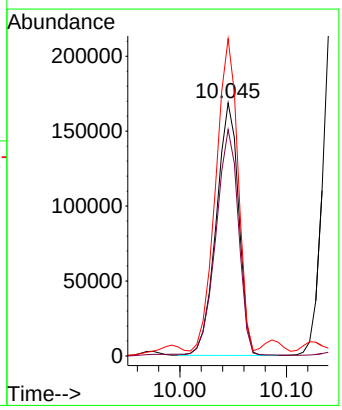
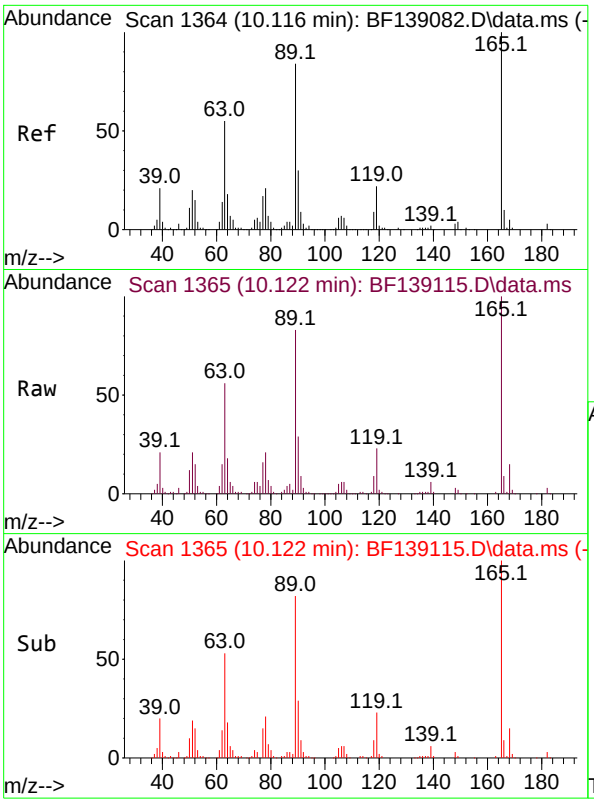


#56
4-Nitrophenol
Concen: 120.684 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:139 Resp: 246256

Ion	Ratio	Lower	Upper
139	100		
109	89.5	68.8	108.8
65	125.4	101.3	141.3

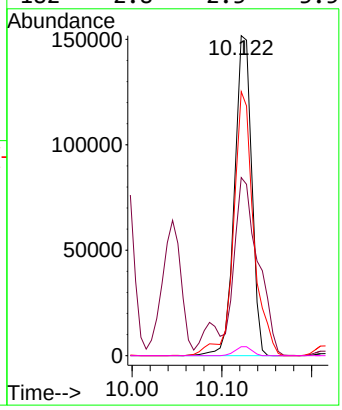




#57
2,4-Dinitrotoluene
Concen: 58.103 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:165 Resp: 20171

Ion	Ratio	Lower	Upper
165	100		
63	55.6	44.2	66.4
89	82.5	67.4	101.2
182	2.8	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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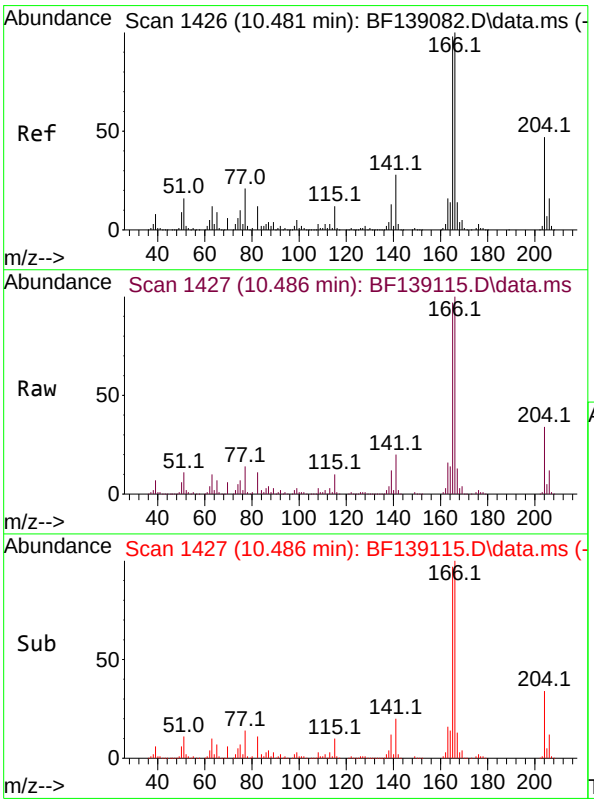
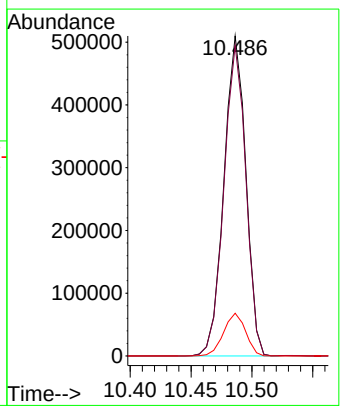
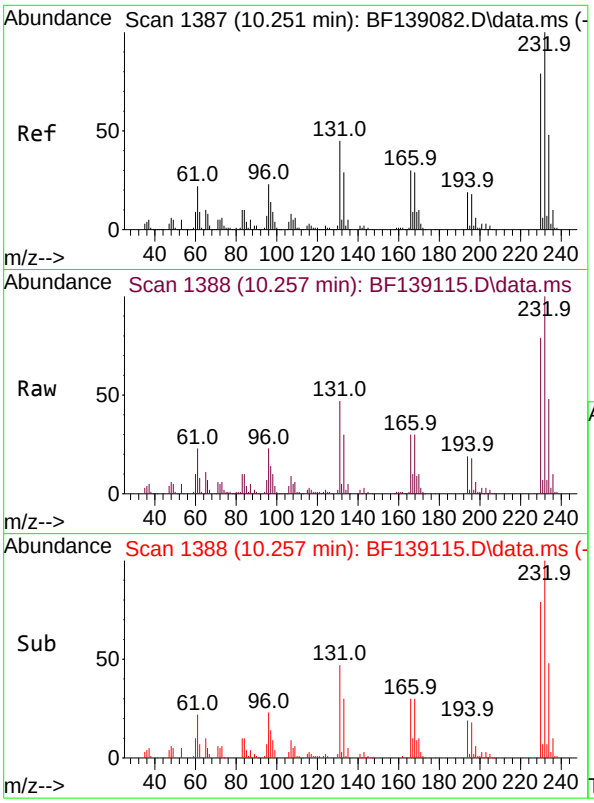


#58
Fluorene
Concen: 47.905 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:166 Resp: 640411

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.0	117.0
167	13.4	11.0	16.4

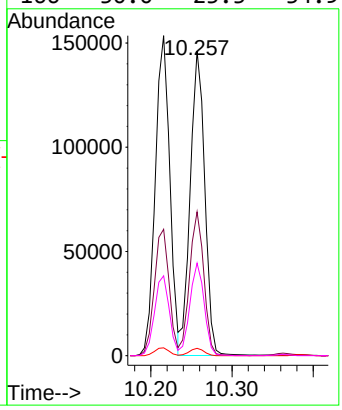




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.781 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:232 Resp: 18239

Ion	Ratio	Lower	Upper
232	100		
131	46.5	36.0	54.0
130	2.4	2.0	3.0
166	30.0	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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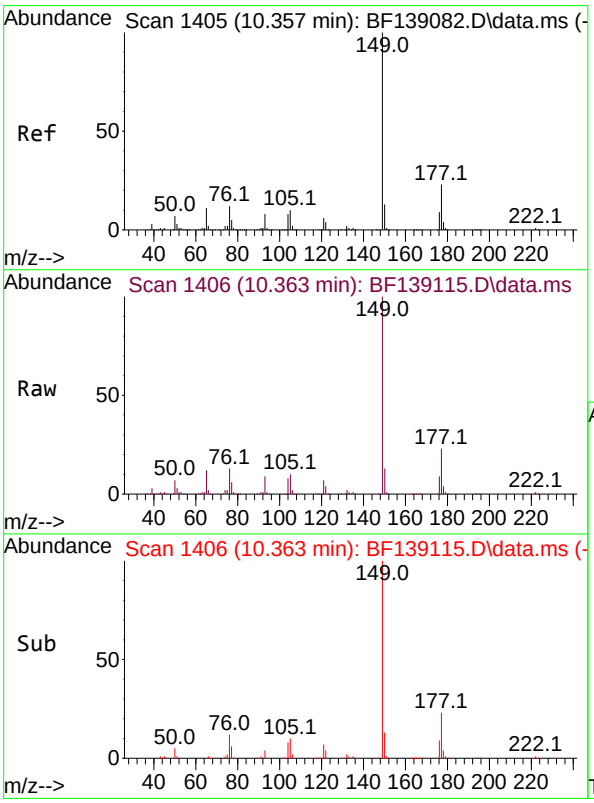
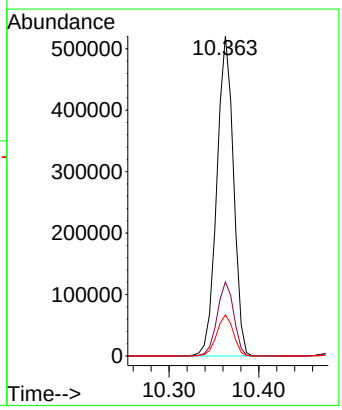
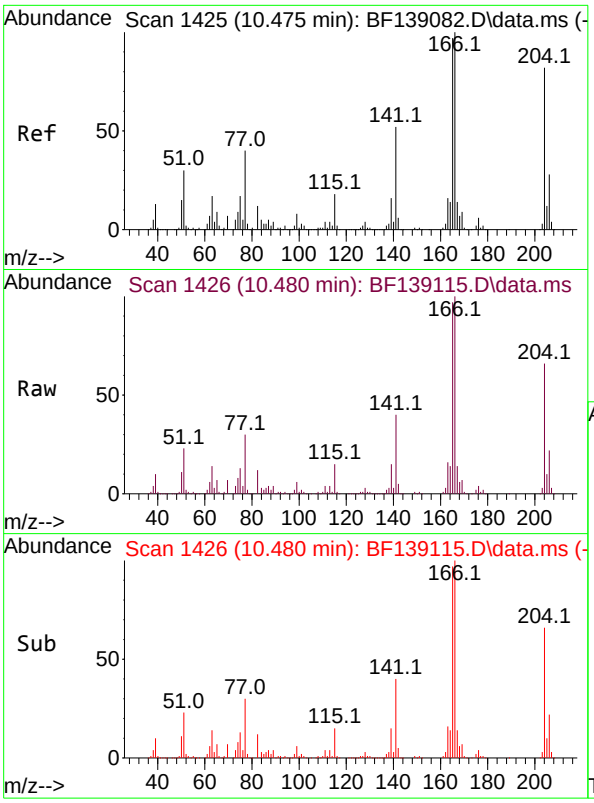


#60
Diethylphthalate
Concen: 50.161 ng
RT: 10.363 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:149 Resp: 670922

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.4	27.6
150	12.9	10.2	15.2

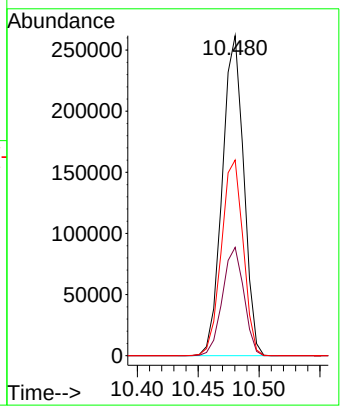




#61
4-Chlorophenyl-phenylether
Concen: 48.105 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:204 Resp: 32117

Ion	Ratio	Lower	Upper
204	100		
206	33.9	27.0	40.4
141	61.2	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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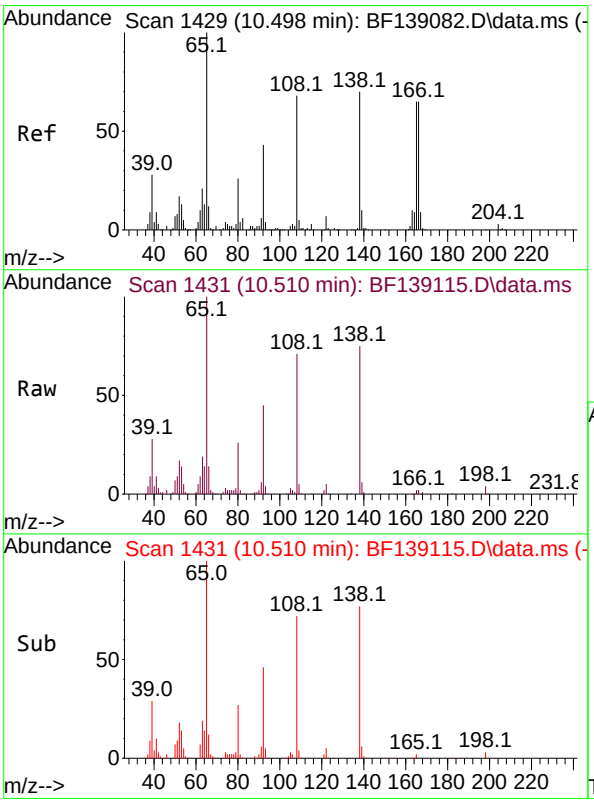
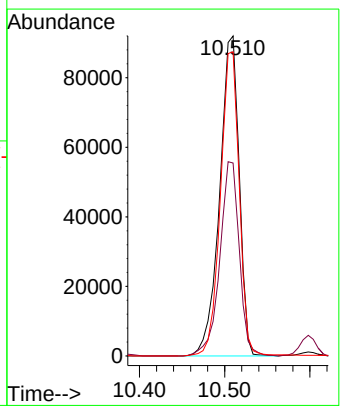
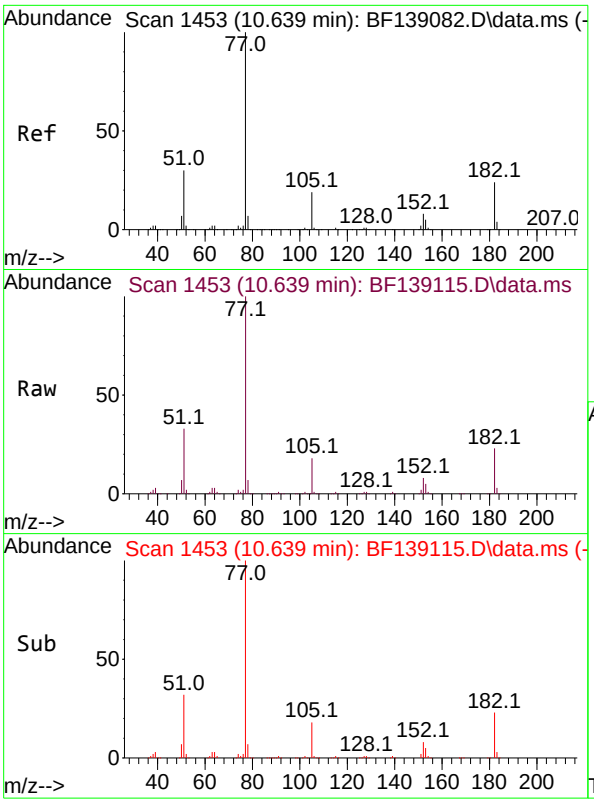


#62
4-Nitroaniline
Concen: 52.498 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:138 Resp: 146505

Ion	Ratio	Lower	Upper
138	100		
92	60.3	41.4	81.4
108	95.0	76.8	116.8

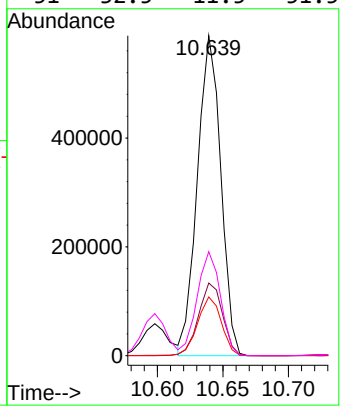




#63
Azobenzene
Concen: 49.269 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion: 77 Resp: 73233

Ion	Ratio	Lower	Upper
77	100		
182	22.7	4.0	44.0
105	18.4	0.0	39.1
51	32.5	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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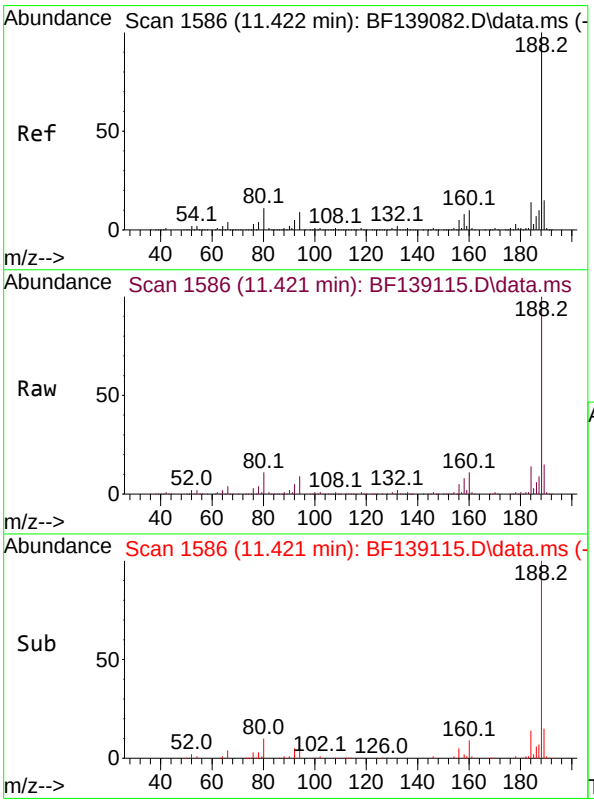
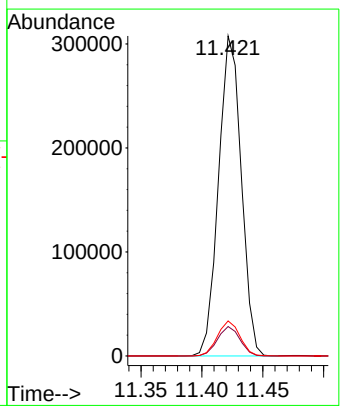
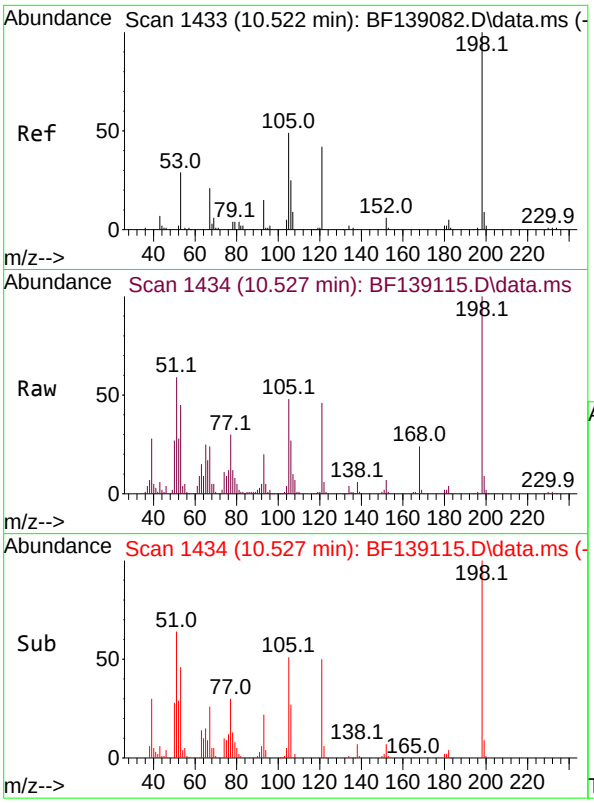


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:188 Resp: 399434

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.9	8.5	12.7

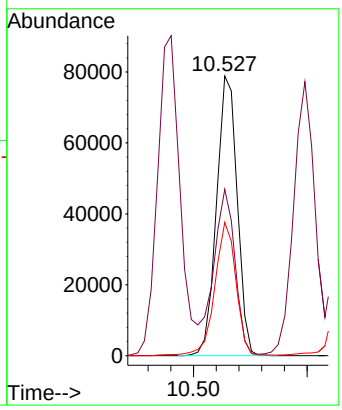




#65
4,6-Dinitro-2-methylphenol
Concen: 62.723 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:198 Resp: 9972

Ion	Ratio	Lower	Upper
198	100		
51	59.5	40.8	80.8
105	47.7	30.9	70.9



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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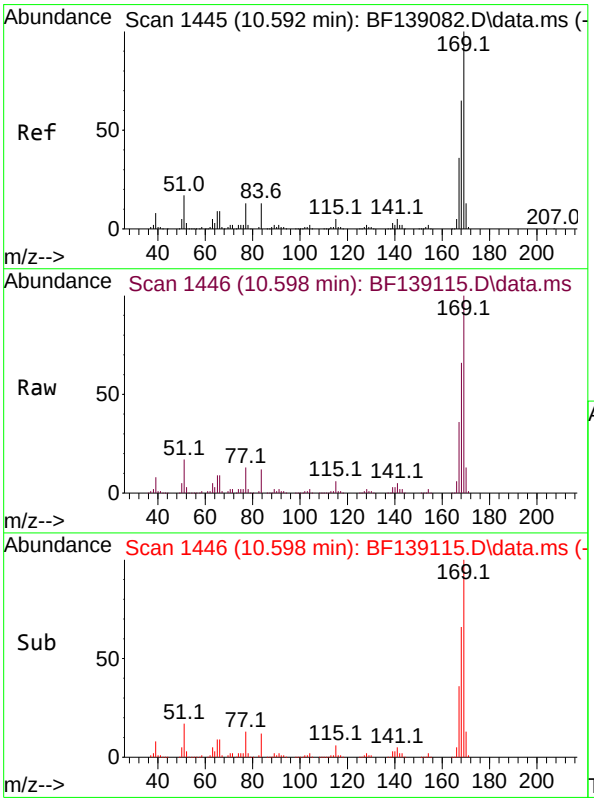
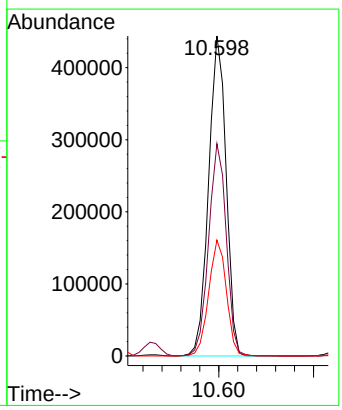
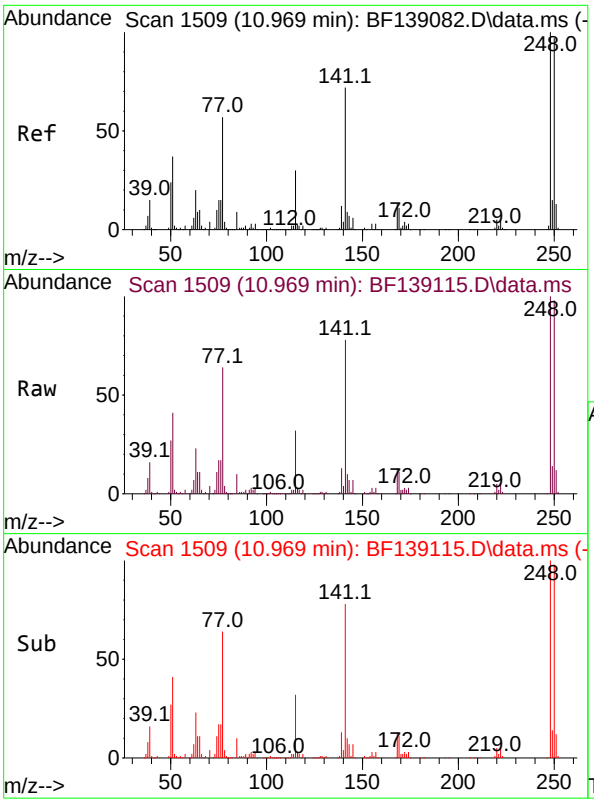


#66
n-Nitrosodiphenylamine
Concen: 48.101 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:169 Resp: 568498

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.4	78.6
167	36.2	28.6	43.0

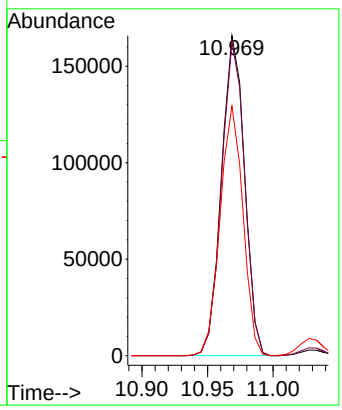




#67
4-Bromophenyl-phenylether
Concen: 48.081 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:248 Resp: 20350

Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.8	116.8
141	78.0	57.9	86.9



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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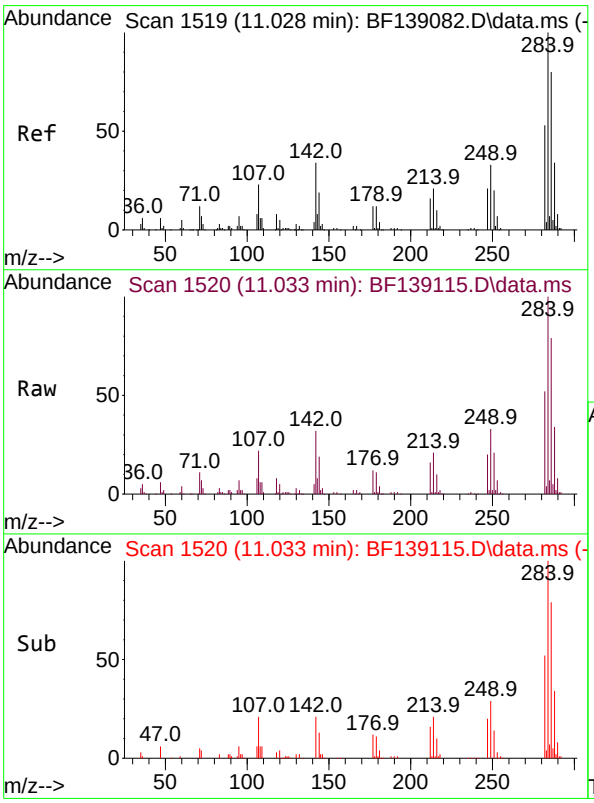
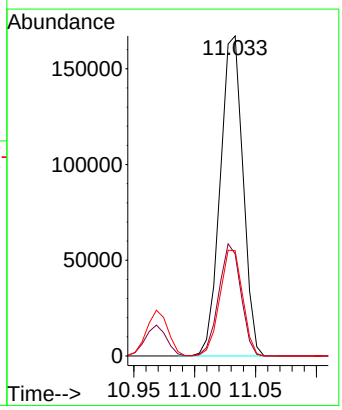
Supervised By :mohammad ahmed 08/23/2024

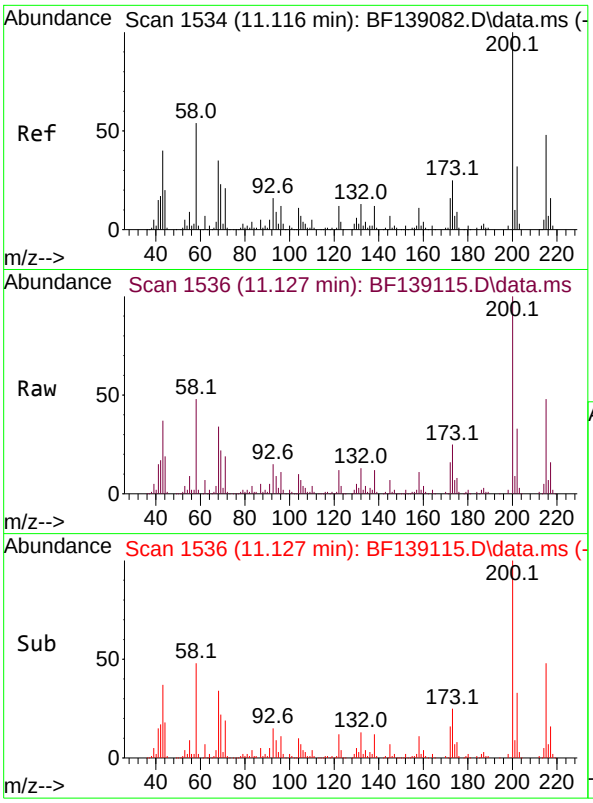


#68
Hexachlorobenzene
Concen: 47.883 ng
RT: 11.033 min Scan# 1520
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:284 Resp: 217427

Ion	Ratio	Lower	Upper
284	100		
142	31.8	27.1	40.7
249	32.9	26.8	40.2

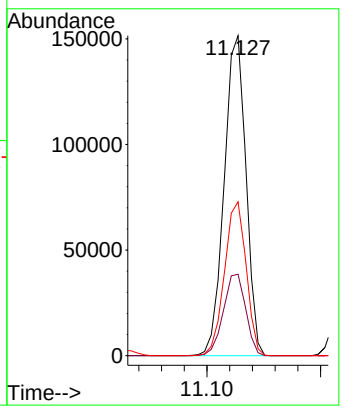




#69
Atrazine
Concen: 55.863 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:200 Resp: 20164

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.2	45.2
215	48.1	27.9	67.9



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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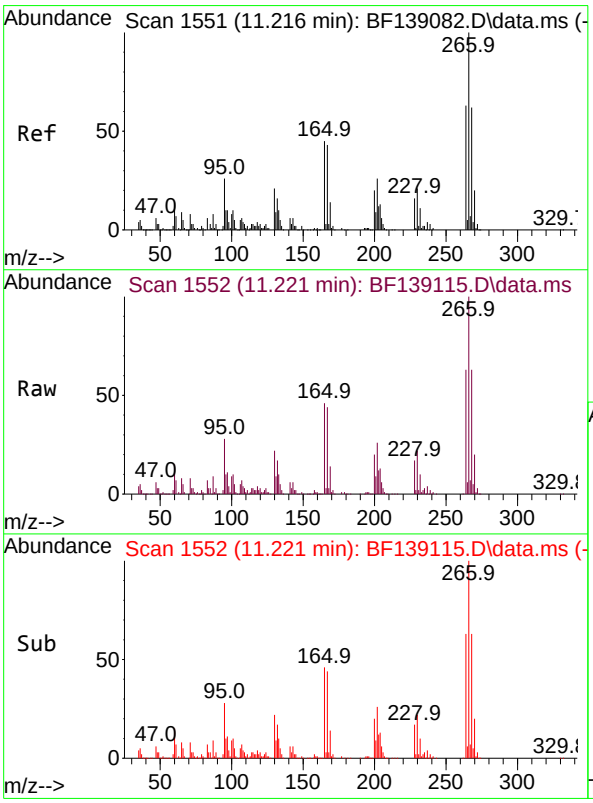
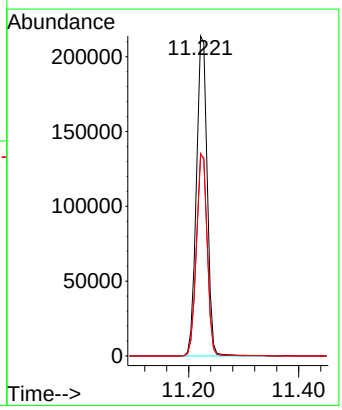
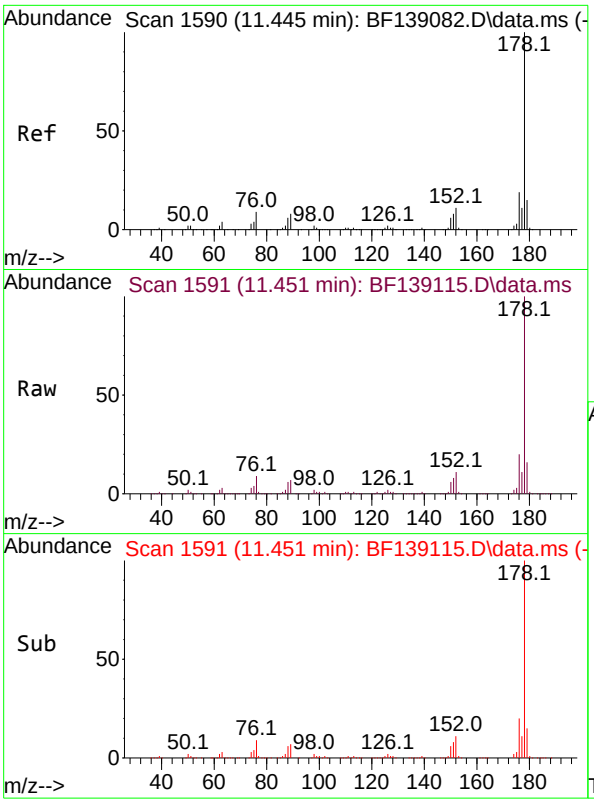


#70
Pentachlorophenol
Concen: 100.866 ng
RT: 11.221 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:266 Resp: 292567

Ion	Ratio	Lower	Upper
266	100		
268	62.8	49.5	74.3
264	63.3	50.0	75.0

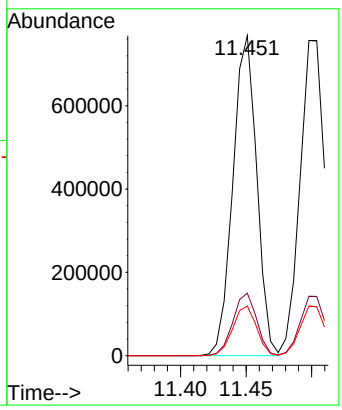




#71
Phenanthrene
Concen: 47.979 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:178 Resp: 97408

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.5	12.3	18.5



Instrument :
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ClientSampleId :
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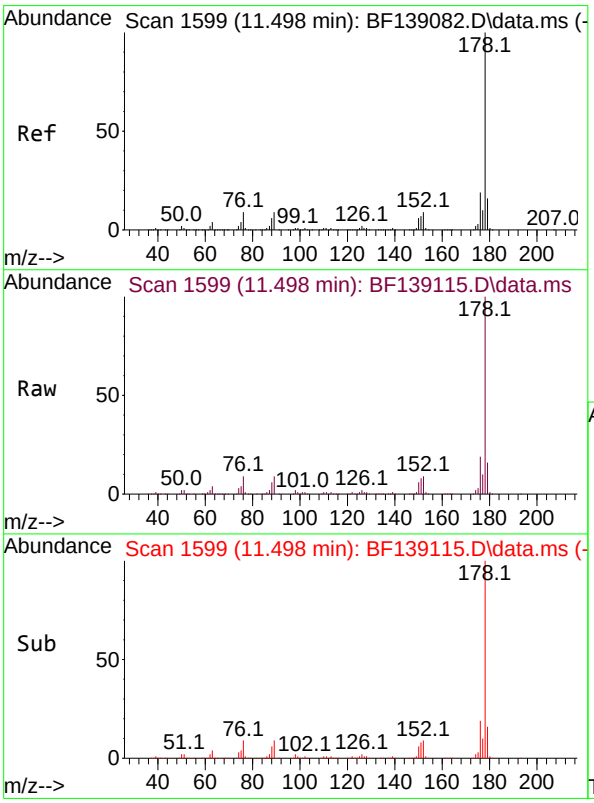
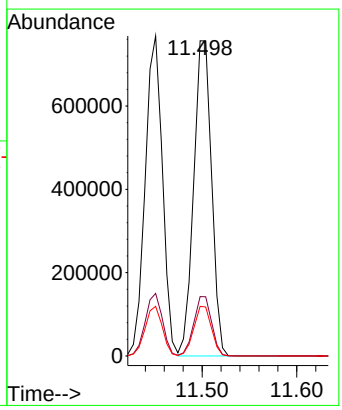
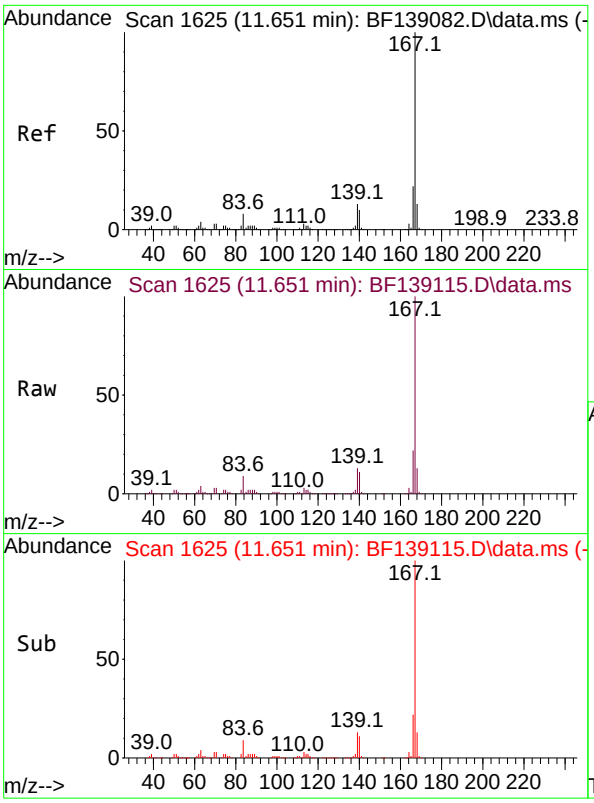


#72
Anthracene
Concen: 50.042 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:178 Resp: 993587

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.7	12.4	18.6

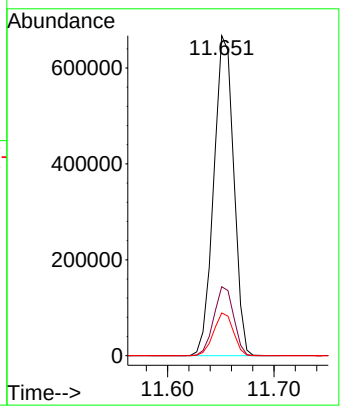




#73
Carbazole
Concen: 46.910 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:167 Resp: 86973

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.4	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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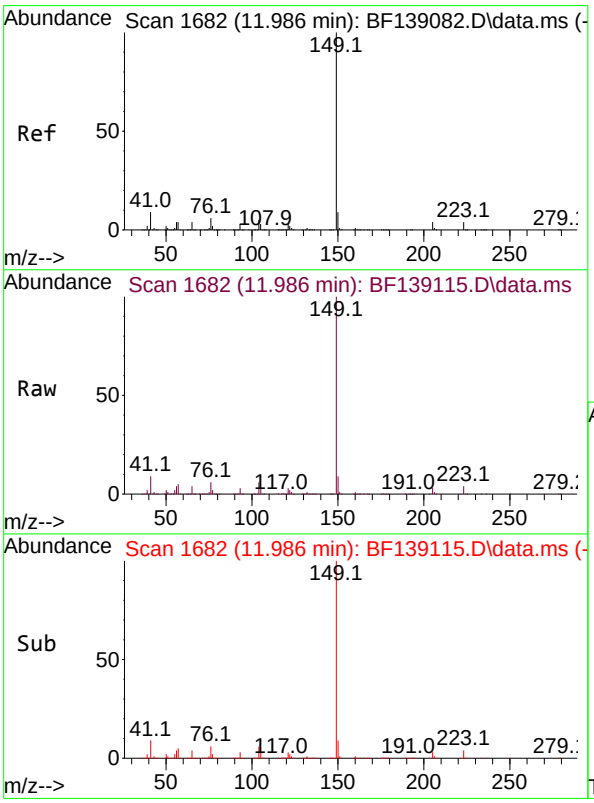
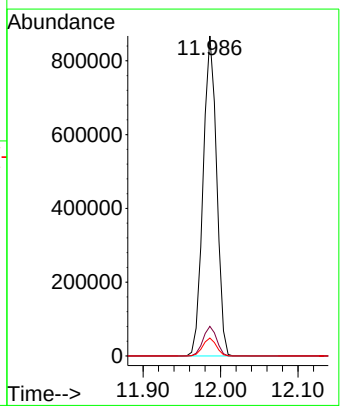
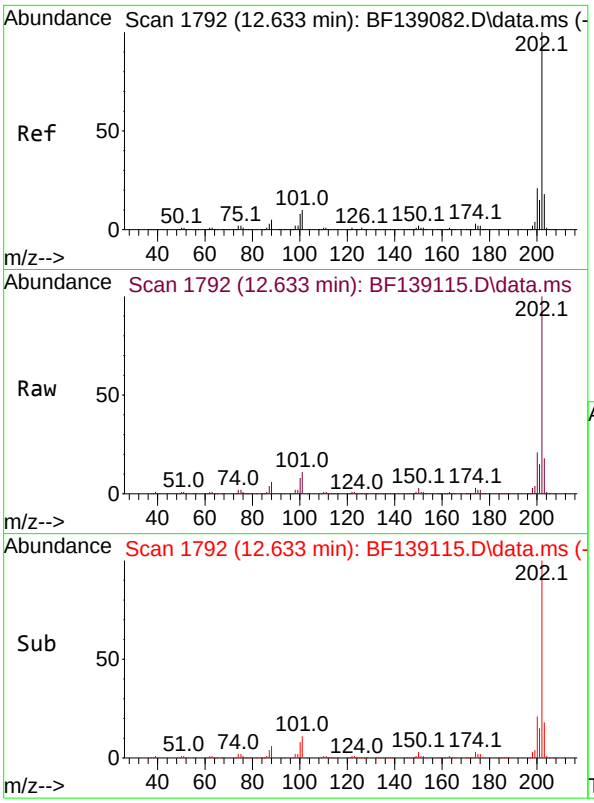


#74
Di-n-butylphthalate
Concen: 48.894 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:149 Resp: 1051130

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.6	4.3	6.5





#75
Fluoranthene
Concen: 46.591 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:202 Resp: 100959

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.8	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
PB162687BS

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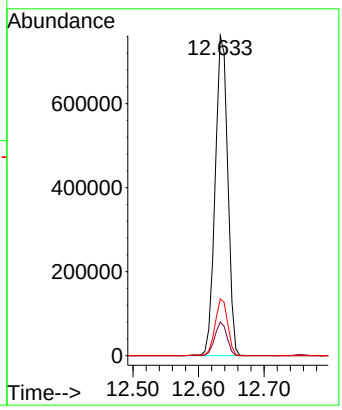
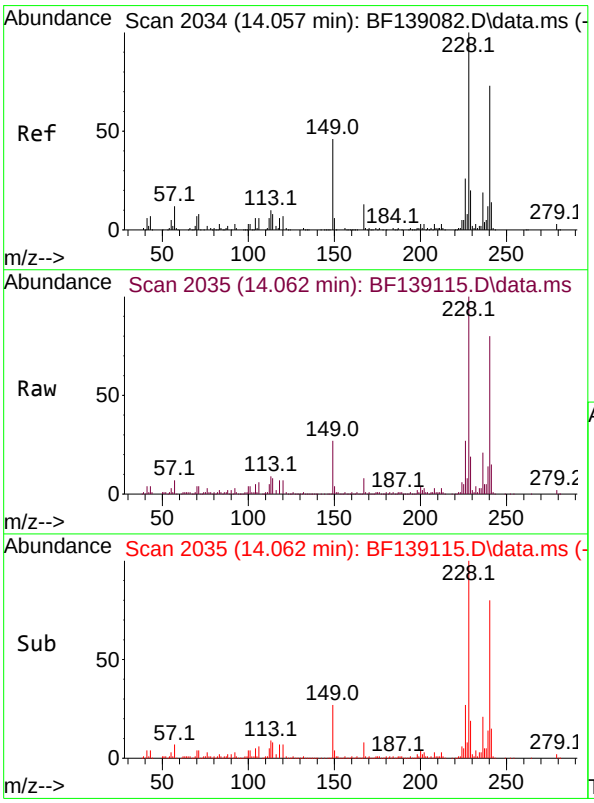
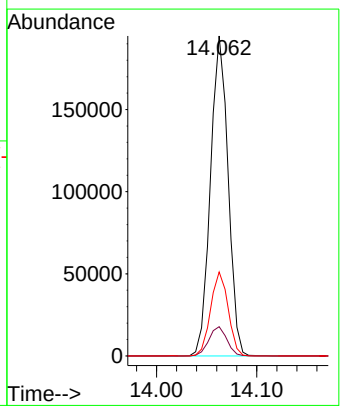


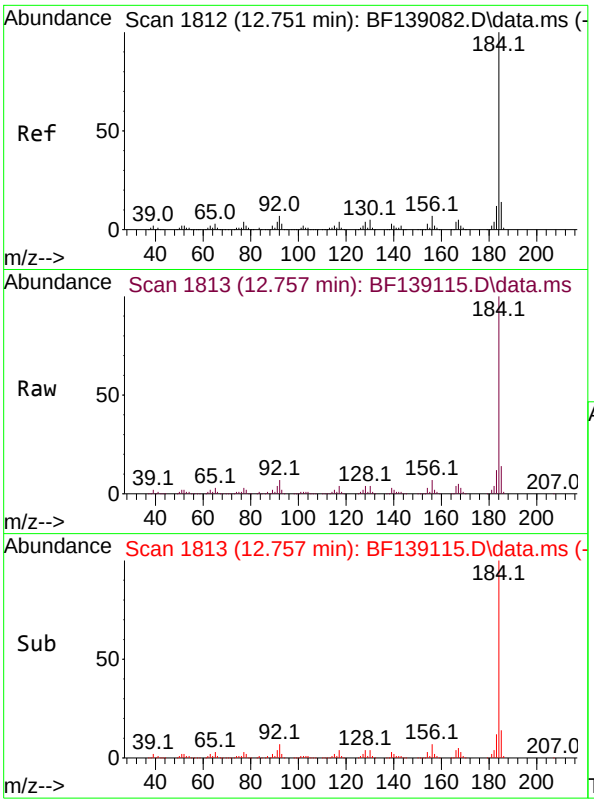


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:240 Resp: 238276

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.8	11.6
236	26.3	20.9	31.3

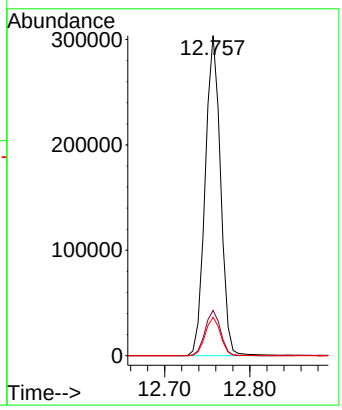




#77
Benzidine
Concen: 77.194 ng
RT: 12.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:184 Resp: 37994

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	12.0	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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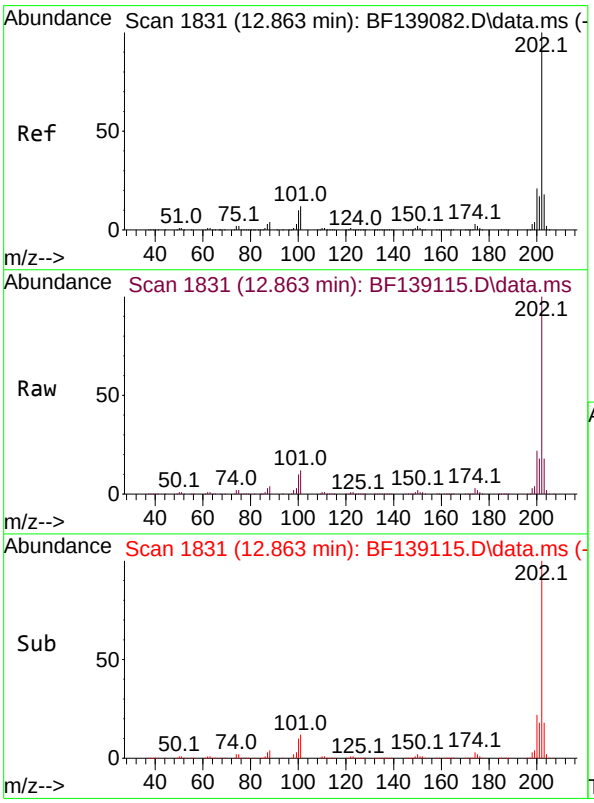
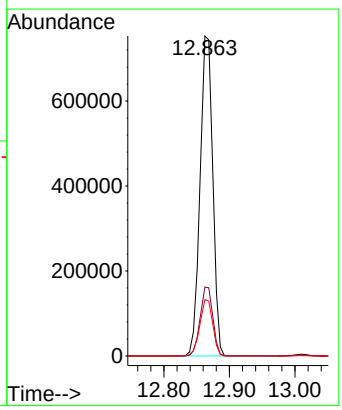
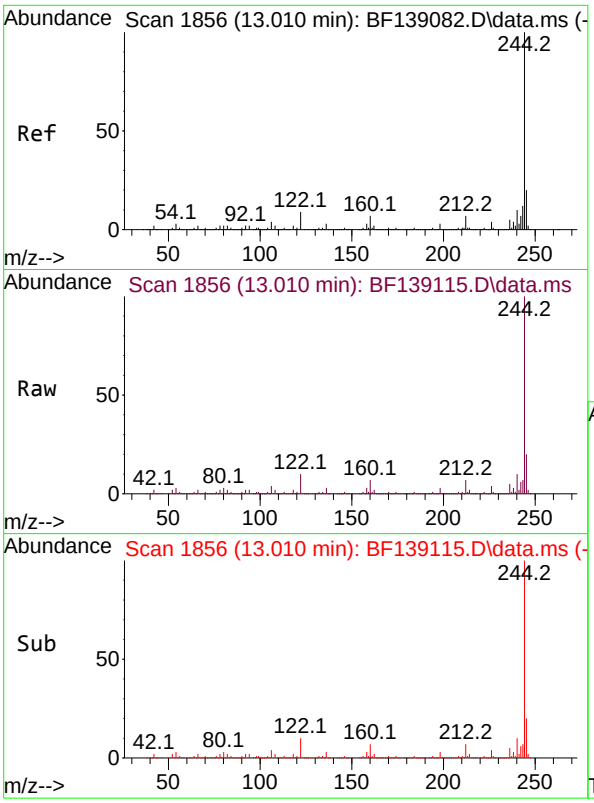


#78
Pyrene
Concen: 51.237 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:202 Resp: 1018817

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.6	14.1	21.1

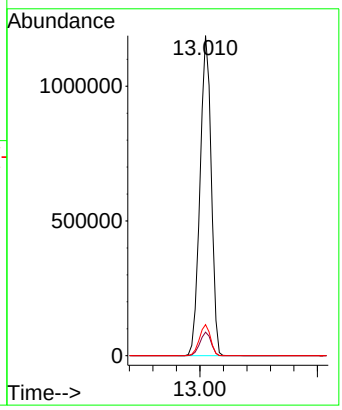




#79
Terphenyl-d14
Concen: 109.662 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:244 Resp: 157476

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.7	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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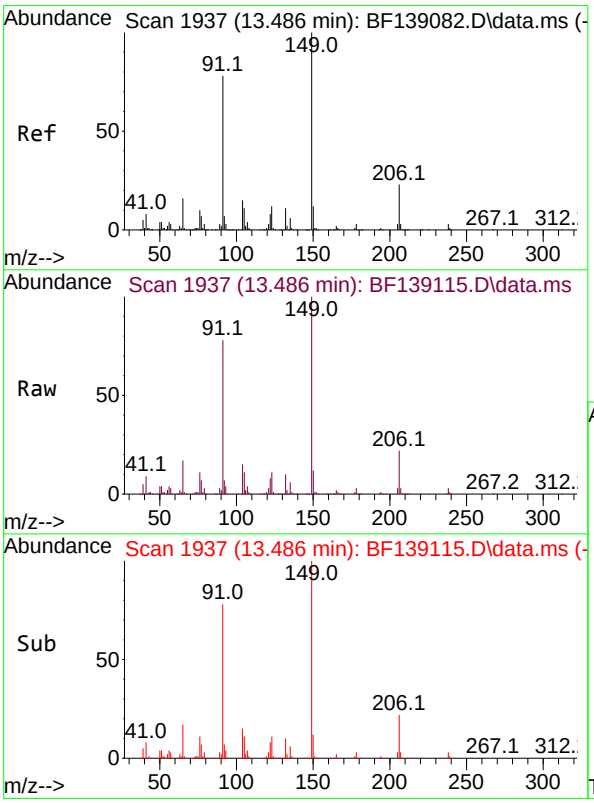
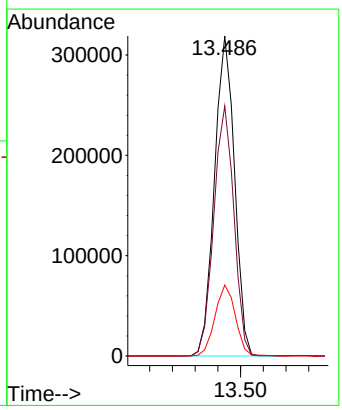
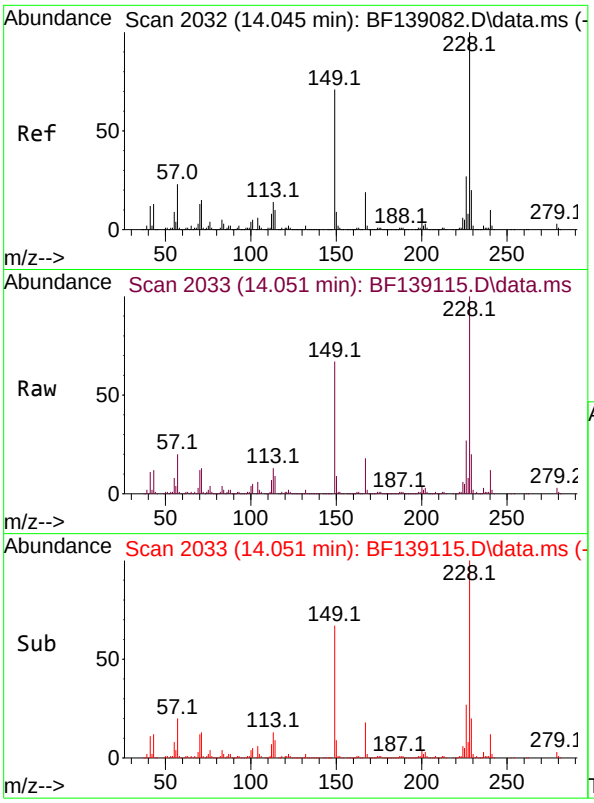


#80
Butylbenzylphthalate
Concen: 56.989 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:149 Resp: 392044

Ion	Ratio	Lower	Upper
149	100		
91	78.1	62.1	93.1
206	22.2	18.0	27.0

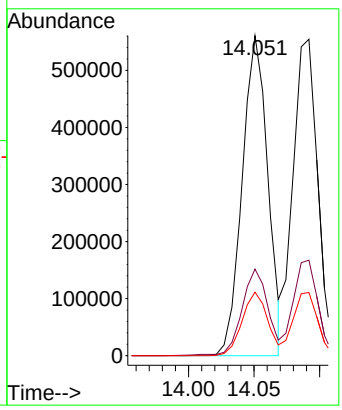




#81
Benzo(a)anthracene
Concen: 48.651 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:228 Resp: 76202

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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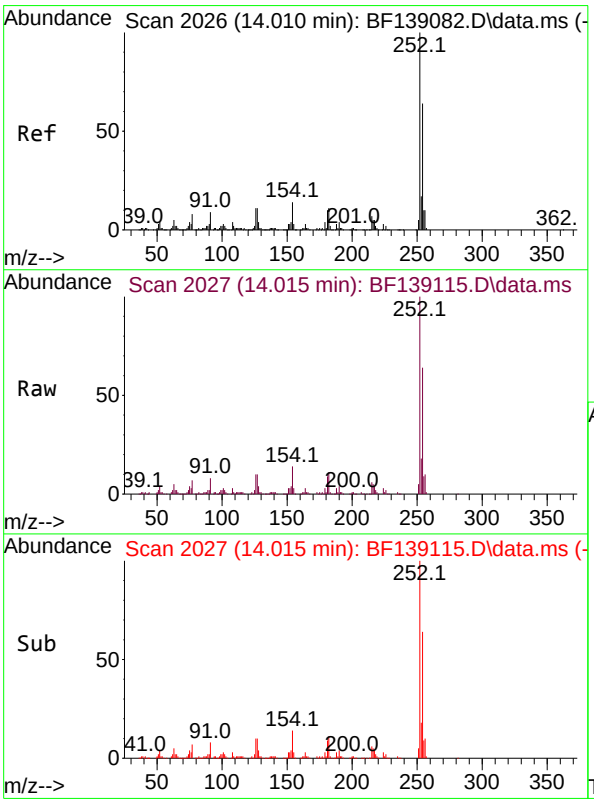
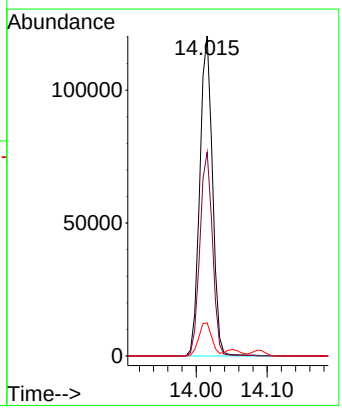
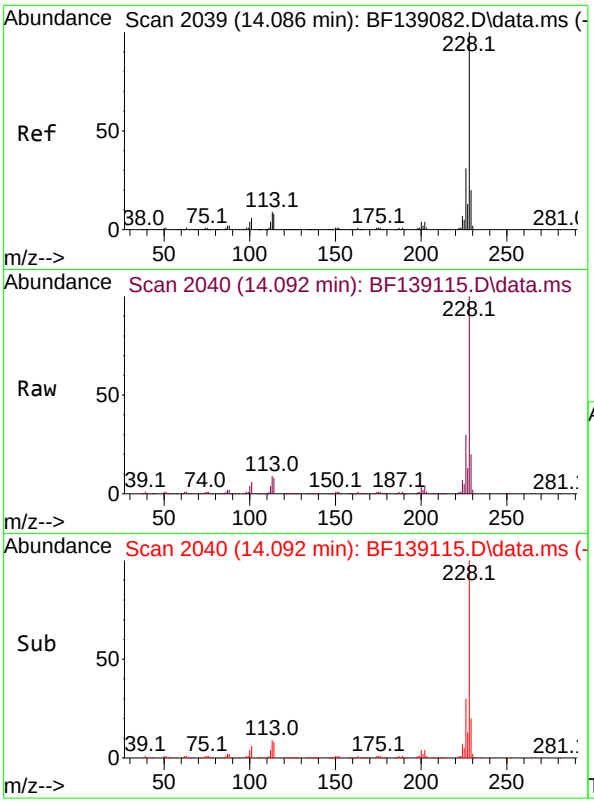


#82
3,3'-Dichlorobenzidine
Concen: 34.203 ng
RT: 14.015 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:252 Resp: 149750

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.4	77.0
126	10.4	8.6	12.8

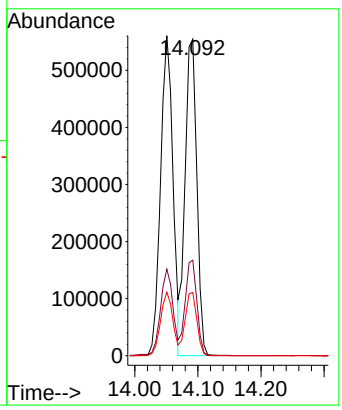




#83
Chrysene
Concen: 50.828 ng
RT: 14.092 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:228 Resp: 72161(

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.3	36.5
229	20.0	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
PB162687BS

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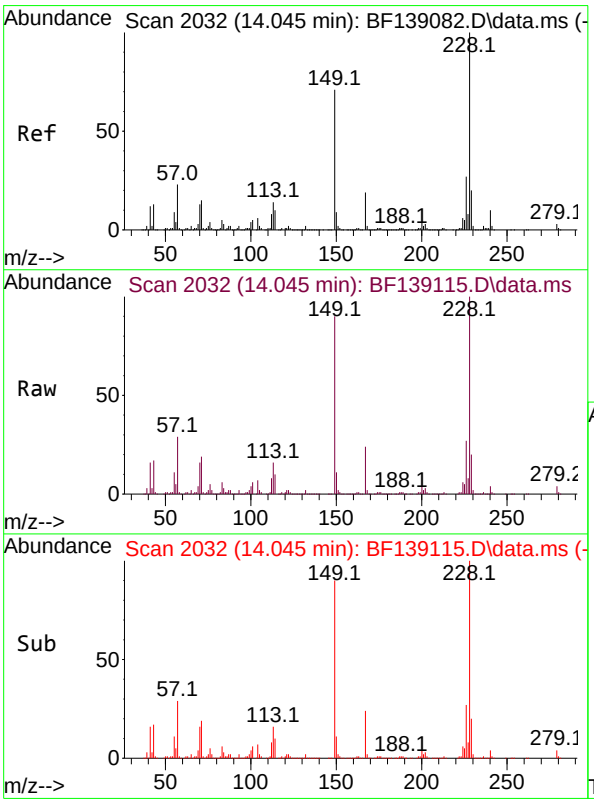
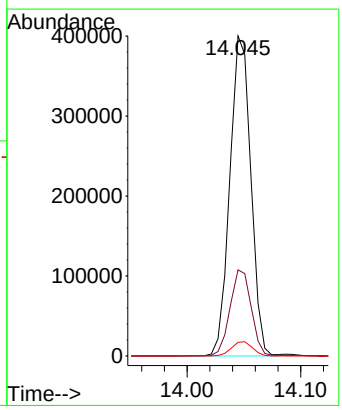
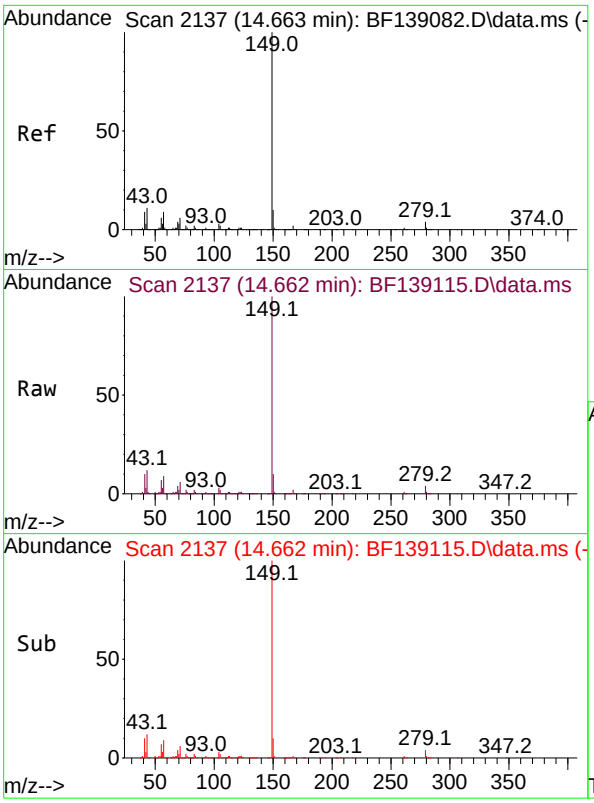


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.290 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:149 Resp: 513359

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.6
279	4.3	3.5	5.3

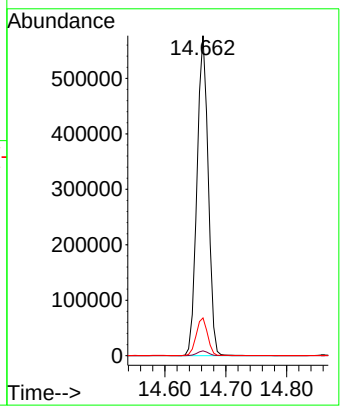




#85
Di-n-octyl phthalate
Concen: 57.657 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:149 Resp: 73801

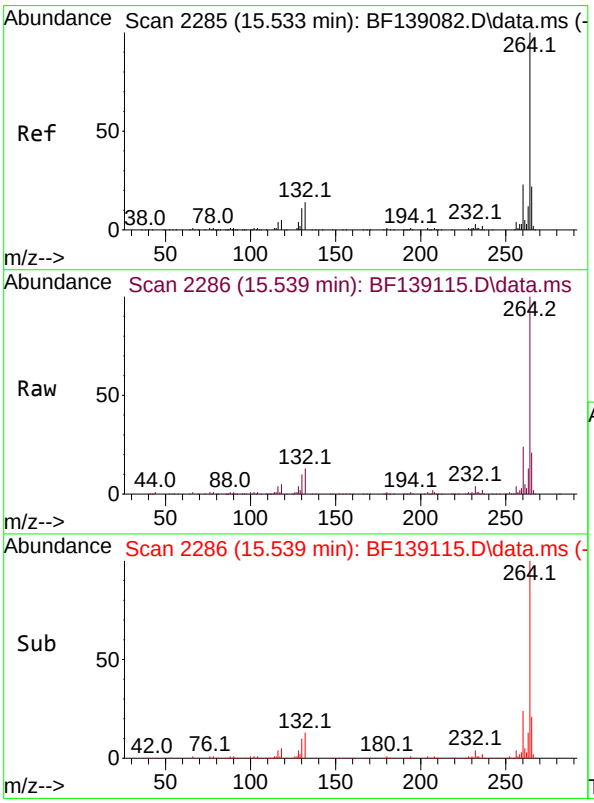
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
APPROVED

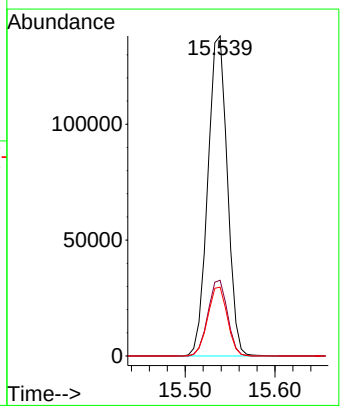
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

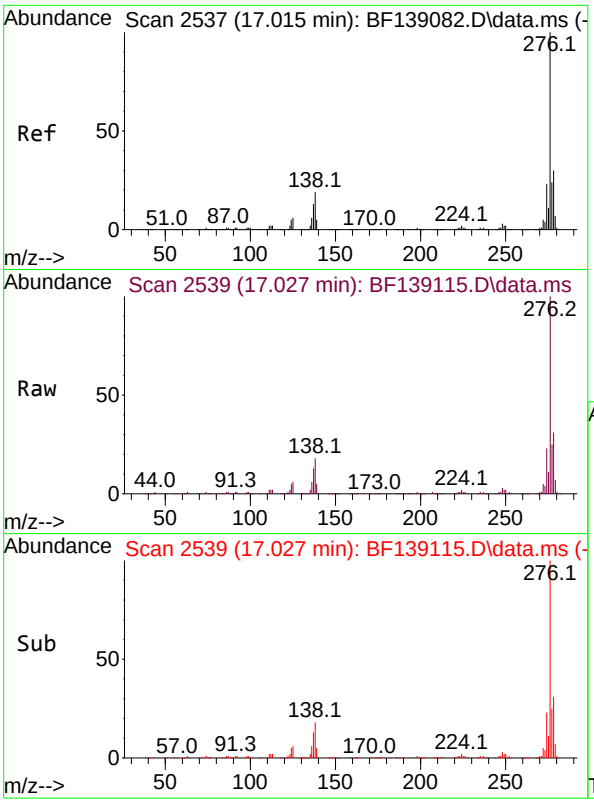


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:264 Resp: 208759

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	17.4	26.2

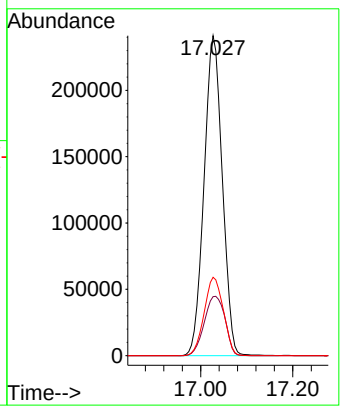




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.461 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:276 Resp: 66538

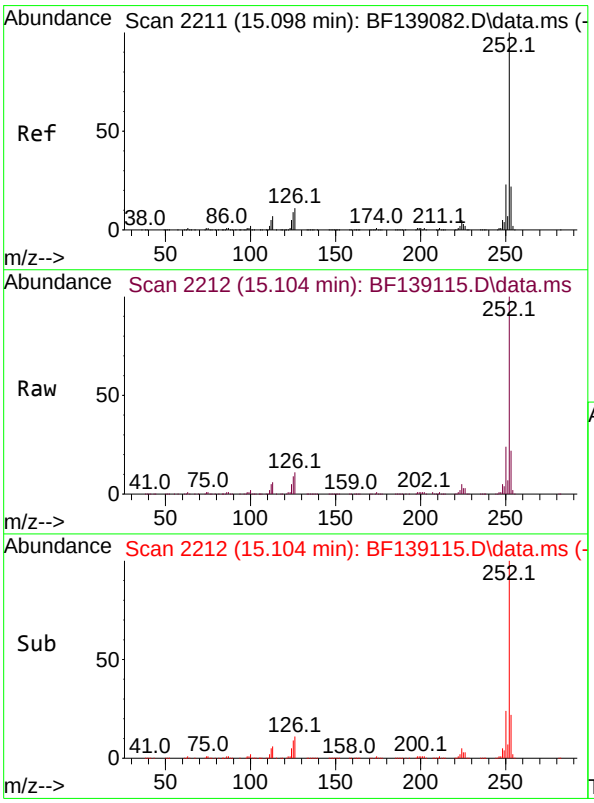
Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.3	25.9
277	25.7	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
APPROVED

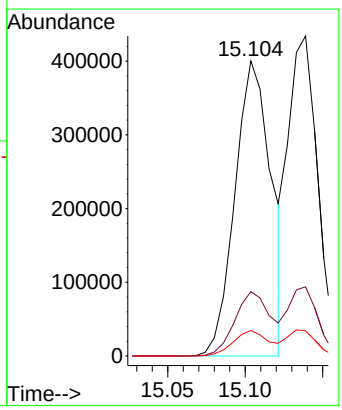
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

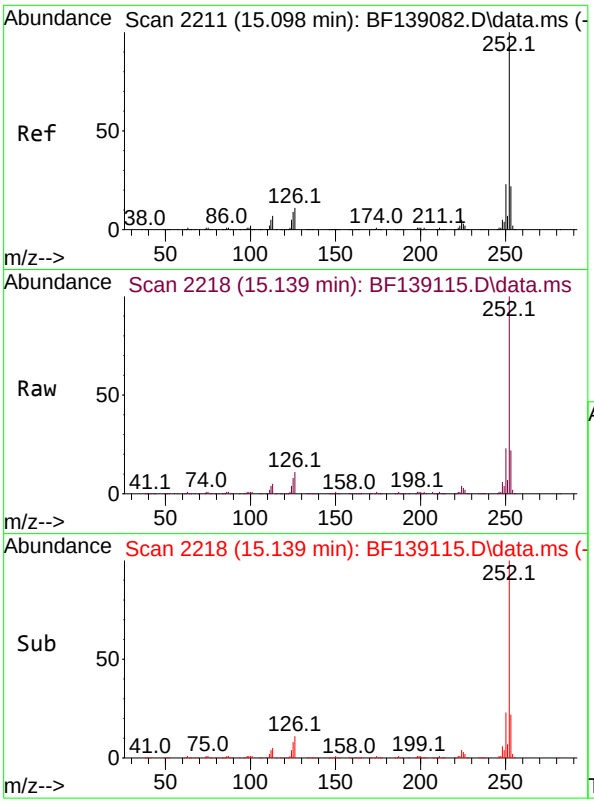


#88
Benzo(b)fluoranthene
Concen: 47.752 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:252 Resp: 649898

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.6	7.0	10.6

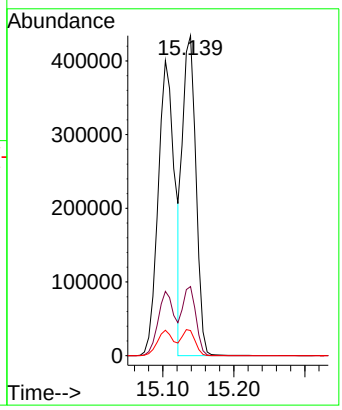




#89
Benzo(k)fluoranthene
Concen: 50.179 ng
RT: 15.139 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:252 Resp: 56878

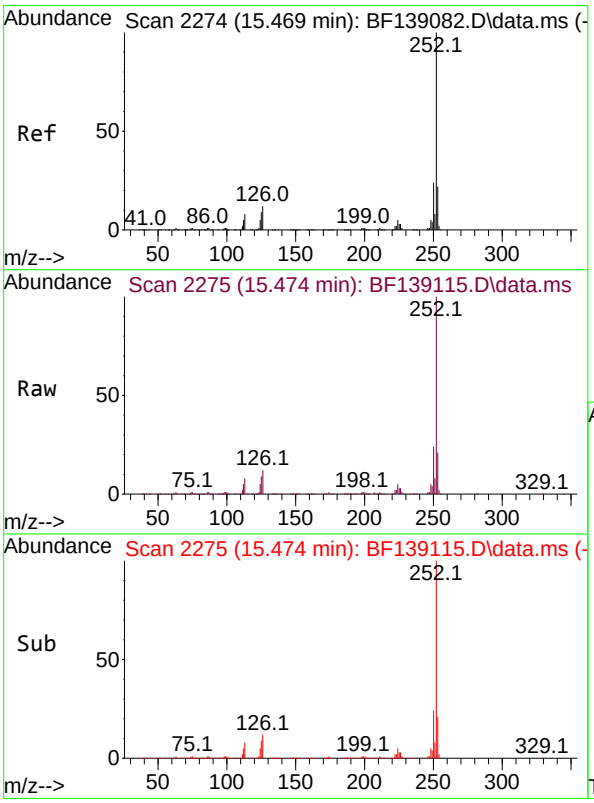
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	7.9	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
APPROVED

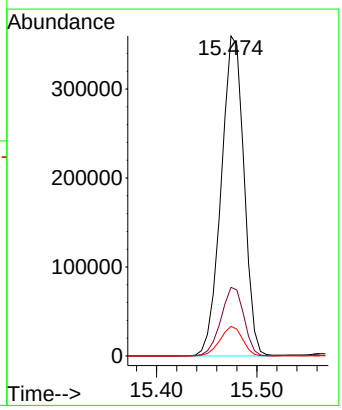
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

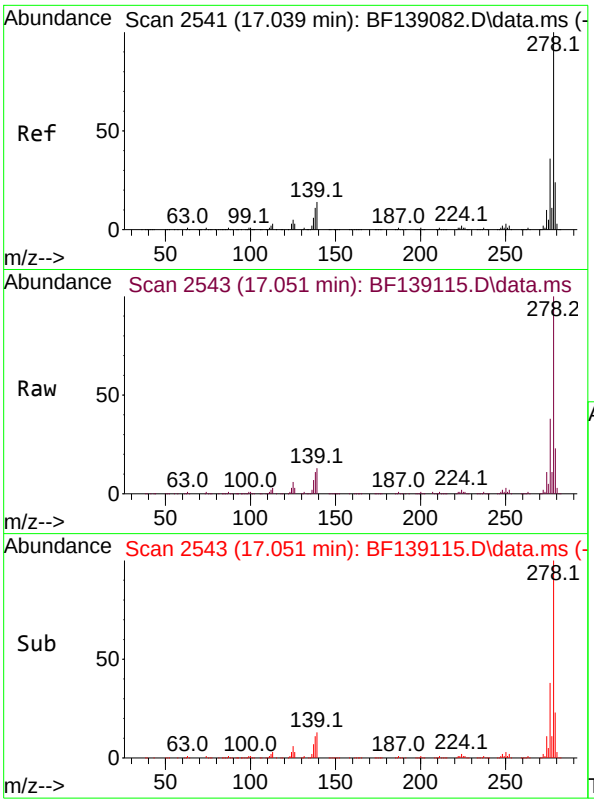


#90
Benzo(a)pyrene
Concen: 52.860 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:252 Resp: 568450

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	9.3	7.4	11.2

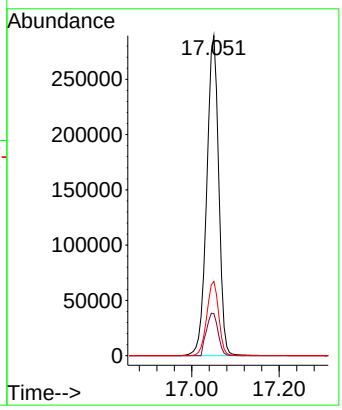




#91
Dibenzo(a,h)anthracene
Concen: 55.093 ng
RT: 17.051 min Scan# 2
Delta R.T. 0.011 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:278 Resp: 55254

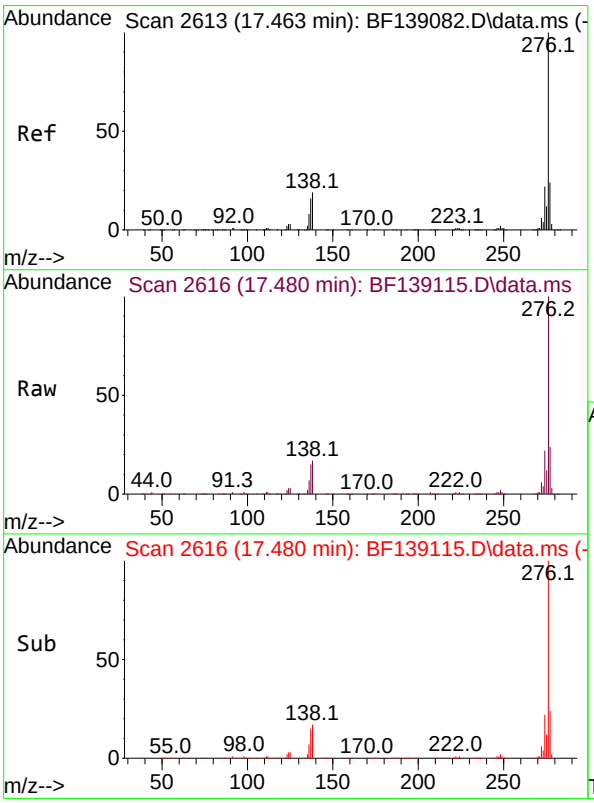
Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.8	16.2
279	23.2	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
PB162687BS

Manual Integrations
APPROVED

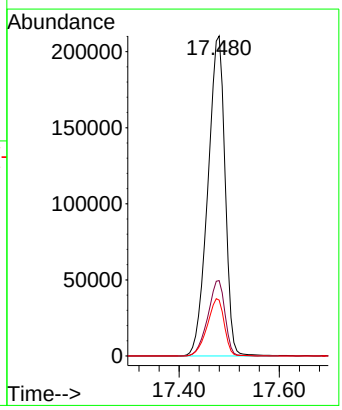
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#92
Benzo(g,h,i)perylene
Concen: 43.932 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.017 min
Lab File: BF139115.D
Acq: 22 Aug 2024 11:23

Tgt Ion:276 Resp: 500508

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	17.4	15.0	22.4



Raw Data: **BF139075.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162688BS	SDG No.:	P3573
Lab Sample ID:	PB162688BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139075.D	1	08/13/24 08:30	08/19/24 15:47	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	1600		80.7	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.2	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	87.6		30 (18) - 130 (107)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.7		30 (20) - 130 (109)	88%	SPK: 100
1718-51-0	Terphenyl-d14	106		30 (10) - 130 (105)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53200	6.834			
1146-65-2	Naphthalene-d8	219000	8.116			
15067-26-2	Acenaphthene-d10	122000	9.869			
1517-22-2	Phenanthrene-d10	202000	11.357			
1719-03-5	Chrysene-d12	98700	14.004			
1520-96-3	Perylene-d12	90200	15.468			

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: **BF139075.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139075.D
Acq On : 19 Aug 2024 15:47
Operator : RC/JU
Sample : PB162688BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 16:52:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162688BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	53216	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	219351	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	122326	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	202208	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	98718	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	90220	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	450955	130.810	ng	0.01
7) Phenol-d6	6.492	99	594454	128.433	ng	0.00
23) Nitrobenzene-d5	7.410	82	393098	87.618	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	130927	130.664	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	714318	87.738	ng	-0.01
79) Terphenyl-d14	12.939	244	623143	105.686	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	45556	30.184	ng	# 94
3) Pyridine	3.446	79	114765	31.389	ng	95
4) n-Nitrosodimethylamine	3.416	42	117445	53.935	ng	82
6) Aniline	6.504	93	128338	31.091	ng	# 1
8) 2-Chlorophenol	6.628	128	175036	48.258	ng	100
9) Benzaldehyde	6.393	77	51275	18.480	ng	98
10) Phenol	6.504	94	225887	46.352	ng	83
11) bis(2-Chloroethyl)ether	6.575	93	165401	44.105	ng	98
12) 1,3-Dichlorobenzene	6.775	146	179220	44.142	ng	97
13) 1,4-Dichlorobenzene	6.851	146	182869	44.631	ng	98
14) 1,2-Dichlorobenzene	7.004	146	175205	45.754	ng	99
15) Benzyl Alcohol	6.992	79	164617	49.346	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	293921	45.542	ng	53
17) 2-Methylphenol	7.104	107	139300	46.510	ng	# 83
18) Hexachloroethane	7.339	117	70832	45.925	ng	98
19) n-Nitroso-di-n-propyla...	7.257	70	139791	50.005	ng	96
20) 3+4-Methylphenols	7.263	107	187490	48.791	ng	# 73
22) Acetophenone	7.251	105	240406	44.762	ng	98
24) Nitrobenzene	7.428	77	204964	44.896	ng	100
25) Isophorone	7.663	82	358647	46.815	ng	98
26) 2-Nitrophenol	7.739	139	91978	46.828	ng	88
27) 2,4-Dimethylphenol	7.781	122	116651	49.638	ng	95
28) bis(2-Chloroethoxy)met...	7.869	93	208302	44.650	ng	98
29) 2,4-Dichlorophenol	7.992	162	143895	47.651	ng	100
30) 1,2,4-Trichlorobenzene	8.057	180	155740	44.690	ng	96
31) Naphthalene	8.139	128	515886	44.681	ng	99
32) Benzoic acid	7.951	122	61645m	33.370	ng	
33) 4-Chloroaniline	8.198	127	88778	22.906	ng	97
34) Hexachlorobutadiene	8.245	225	95770	45.372	ng	100
35) Caprolactam	8.586	113	46370m	51.462	ng	
36) 4-Chloro-3-methylphenol	8.692	107	165335	47.907	ng	99
37) 2-Methylnaphthalene	8.828	142	339631	46.577	ng	100
38) 1-Methylnaphthalene	8.928	142	316050	44.231	ng	100
40) 1,2,4,5-Tetrachloroben...	8.998	216	144648	42.568	ng	98
41) Hexachlorocyclopentadiene	8.975	237	75743	83.846	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	91011	43.928	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139075.D
Acq On : 19 Aug 2024 15:47
Operator : RC/JU
Sample : PB162688BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 19 16:52:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162688BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	97838	43.196	ng		97
46) 1,1'-Biphenyl	9.292	154	407420	42.526	ng		99
47) 2-Chloronaphthalene	9.322	162	315823	44.324	ng		99
48) 2-Nitroaniline	9.428	65	117954	48.831	ng		94
49) Acenaphthylene	9.733	152	491050	48.591	ng		100
50) Dimethylphthalate	9.598	163	384129	49.111	ng		100
51) 2,6-Dinitrotoluene	9.669	165	81204	46.002	ng	#	85
52) Acenaphthene	9.904	154	304580	44.836	ng		100
53) 3-Nitroaniline	9.839	138	58010	31.789	ng		94
54) 2,4-Dinitrophenol	9.963	184	65761	80.928	ng		89
55) Dibenzofuran	10.080	168	444981	46.404	ng		98
56) 4-Nitrophenol	10.028	139	67847	61.827	ng		85
57) 2,4-Dinitrotoluene	10.080	165	108971	48.386	ng	#	79
58) Fluorene	10.422	166	360800	47.248	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	85275m	49.246	ng		
60) Diethylphthalate	10.292	149	378354	51.016	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	181204	48.248	ng		97
62) 4-Nitroaniline	10.463	138	71712m	41.353	ng		
63) Azobenzene	10.569	77	397392	48.313	ng		95
65) 4,6-Dinitro-2-methylph...	10.492	198	57216	46.380	ng		93
66) n-Nitrosodiphenylamine	10.533	169	302611	47.877	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	101235	46.241	ng		96
68) Hexachlorobenzene	10.969	284	104156	46.078	ng		97
69) Atrazine	11.063	200	84158	51.608	ng		99
70) Pentachlorophenol	11.175	266	60385	59.266	ng		98
71) Phenanthrene	11.386	178	497211	47.753	ng		100
72) Anthracene	11.439	178	501270	48.869	ng		99
73) Carbazole	11.598	167	404701	45.731	ng		98
74) Di-n-butylphthalate	11.910	149	562994	56.592	ng		99
75) Fluoranthene	12.574	202	447619	46.050	ng		98
77) Benzidine	12.698	184	23862	10.106	ng		98
78) Pyrene	12.804	202	437225	47.041	ng		100
80) Butylbenzylphthalate	13.410	149	163104	54.799	ng		99
81) Benzo(a)anthracene	13.992	228	321387	47.277	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	69191	39.774	ng		99
83) Chrysene	14.027	228	288273	47.003	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	208625	47.867	ng		98
85) Di-n-octyl phthalate	14.574	149	338313	41.955	ng		99
87) Indeno(1,2,3-cd)pyrene	16.951	276	299343	46.299	ng		96
88) Benzo(b)fluoranthene	15.039	252	312486	55.873	ng		98
89) Benzo(k)fluoranthene	15.068	252	247875	51.190	ng		99
90) Benzo(a)pyrene	15.410	252	262237	55.744	ng		98
91) Dibenzo(a,h)anthracene	16.957	278	243892	45.954	ng		98
92) Benzo(g,h,i)perylene	17.392	276	220624	40.059	ng		98

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

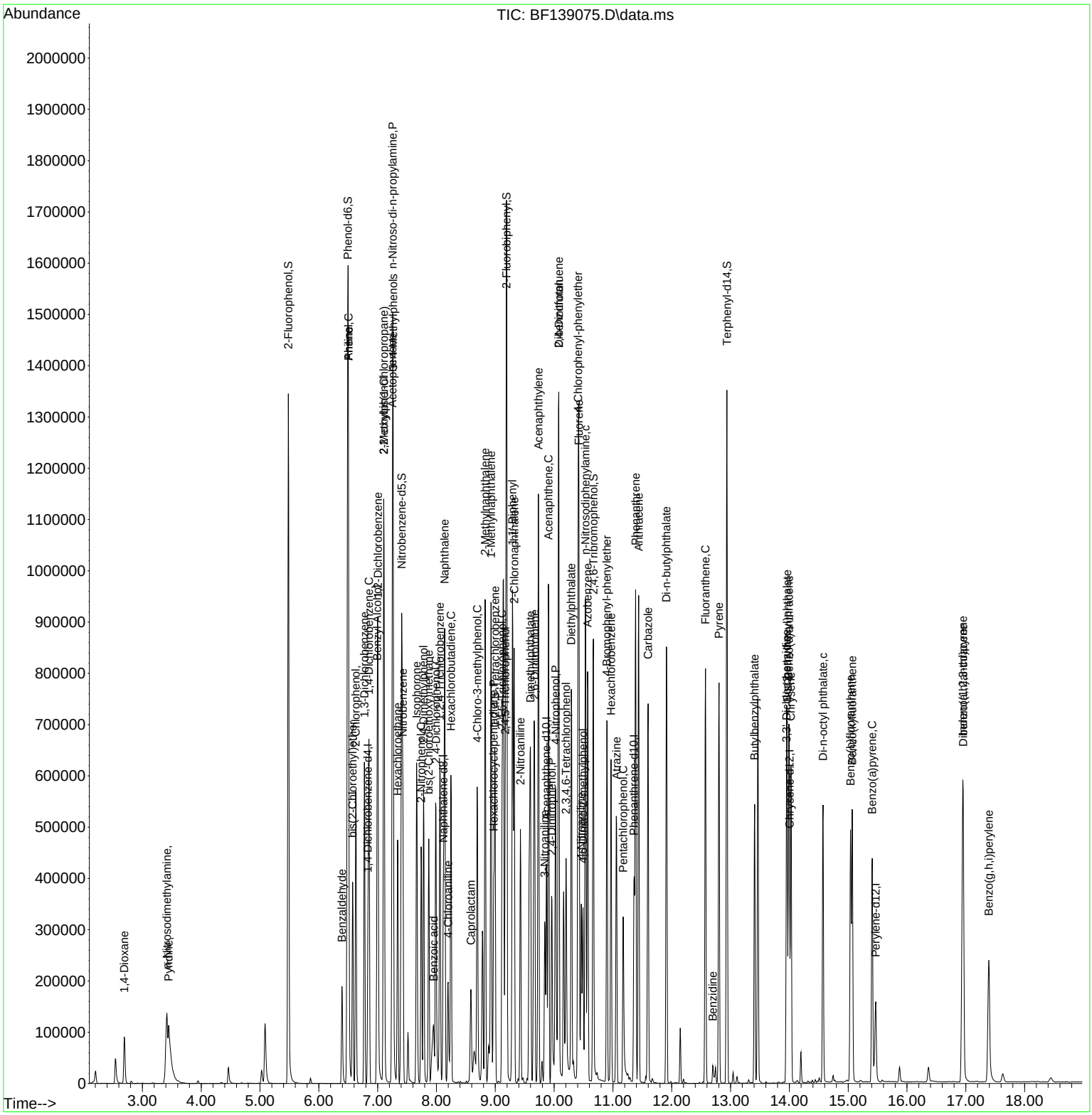
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081924\
Data File : BF139075.D
Acq On : 19 Aug 2024 15:47
Operator : RC/JU
Sample : PB162688BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

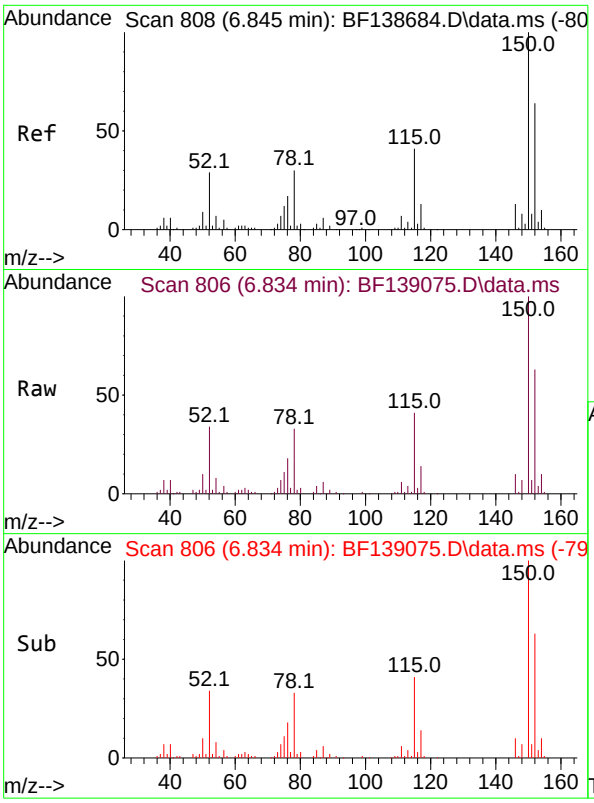
Quant Time: Aug 19 16:52:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162688BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024

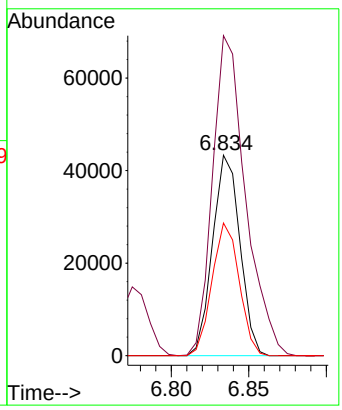




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8(
Delta R.T. -0.011 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:152 Resp: 5321(

Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.0	189.0
115	66.1	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
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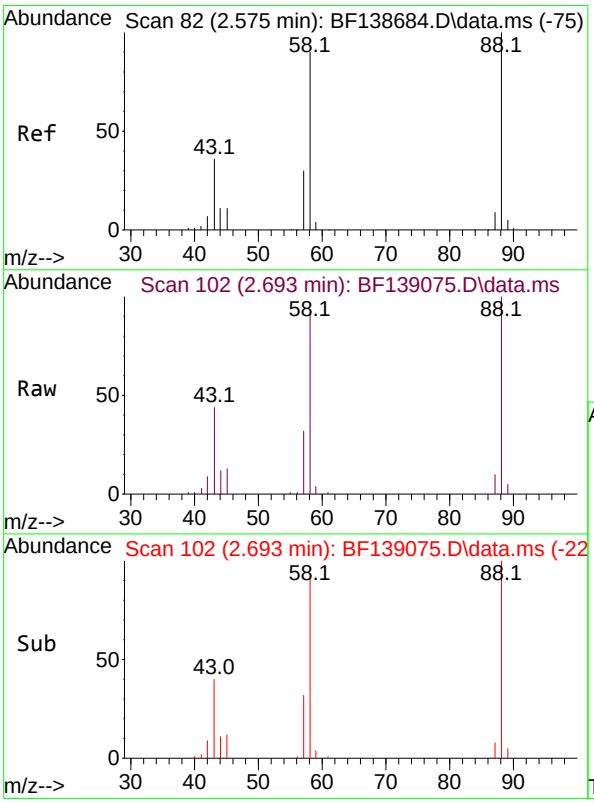
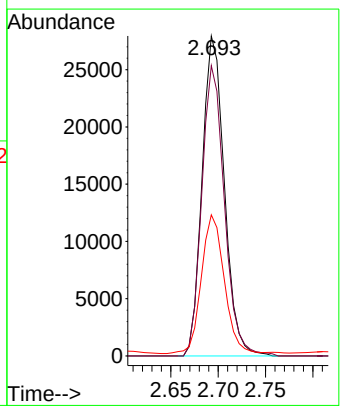
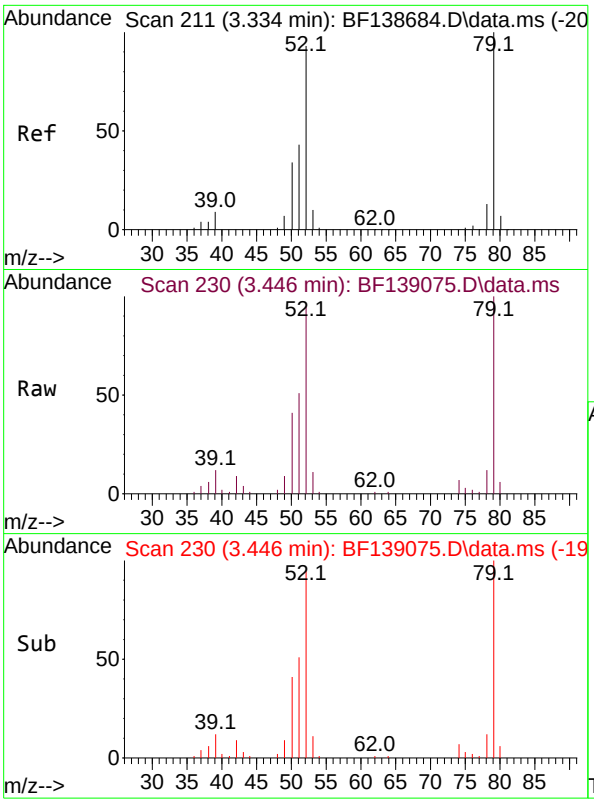


#2
1,4-Dioxane
Concen: 30.184 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.118 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 88 Resp: 45556

Ion	Ratio	Lower	Upper
88	100		
58	92.3	71.6	107.4
43	44.4	28.7	43.1#





#3
Pyridine
Concen: 31.389 ng
RT: 3.446 min Scan# 2
Delta R.T. 0.112 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 79 Resp: 11476

Ion	Ratio	Lower	Upper
79	100		
52	95.4	74.7	112.1
51	50.6	34.6	51.8

Instrument :
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ClientSampleId :
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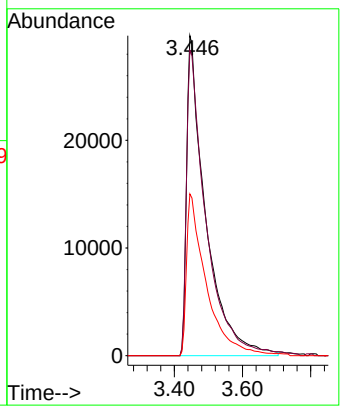
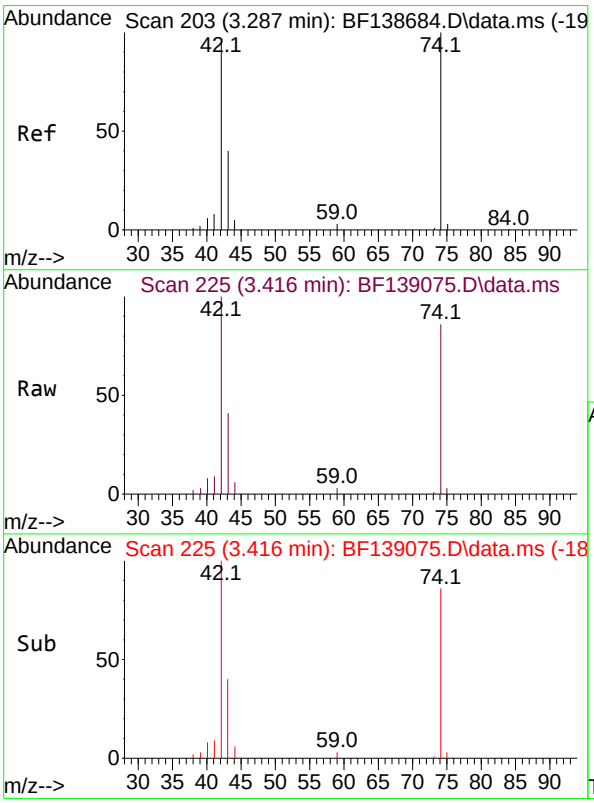
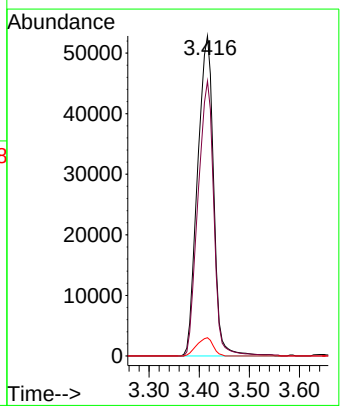


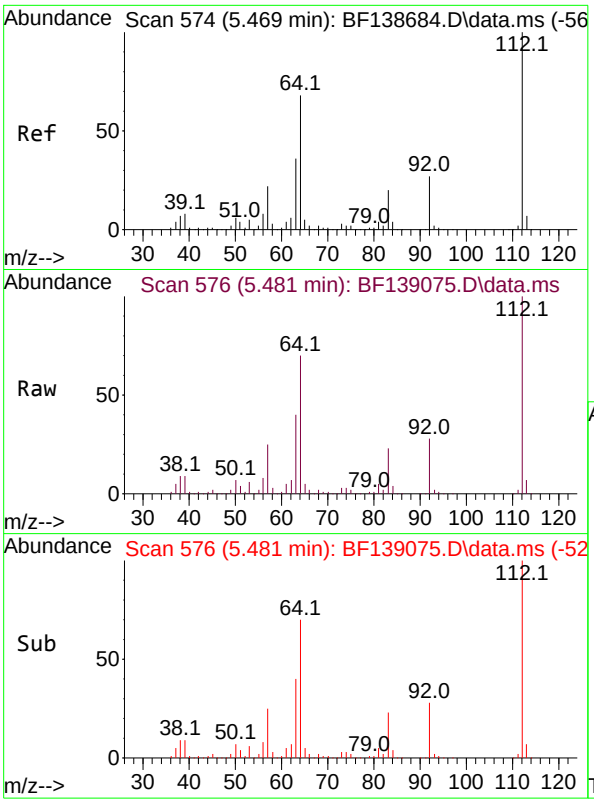


#4
n-Nitrosodimethylamine
Concen: 53.935 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.129 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 42 Resp: 117445

Ion	Ratio	Lower	Upper
42	100		
74	85.9	84.2	126.4
44	5.7	4.9	7.3

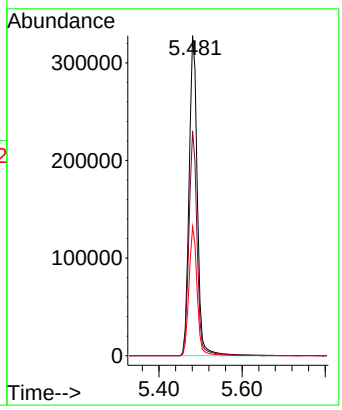




#5
2-Fluorophenol
Concen: 130.810 ng
RT: 5.481 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:112 Resp: 45095

Ion	Ratio	Lower	Upper
112	100		
64	70.3	54.2	81.4
63	40.3	28.7	43.1



Instrument :
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ClientSampleId :
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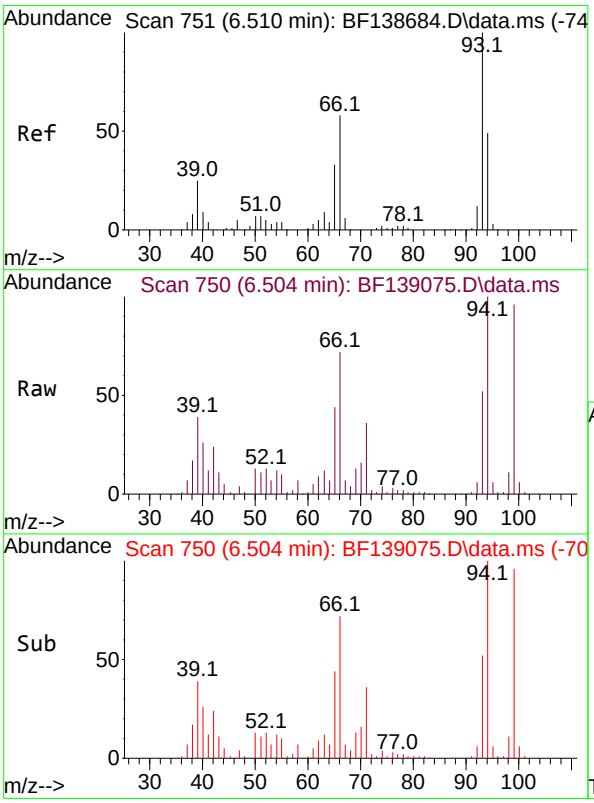
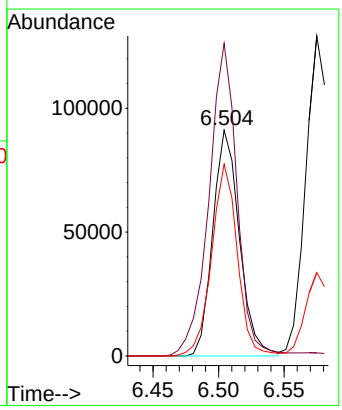
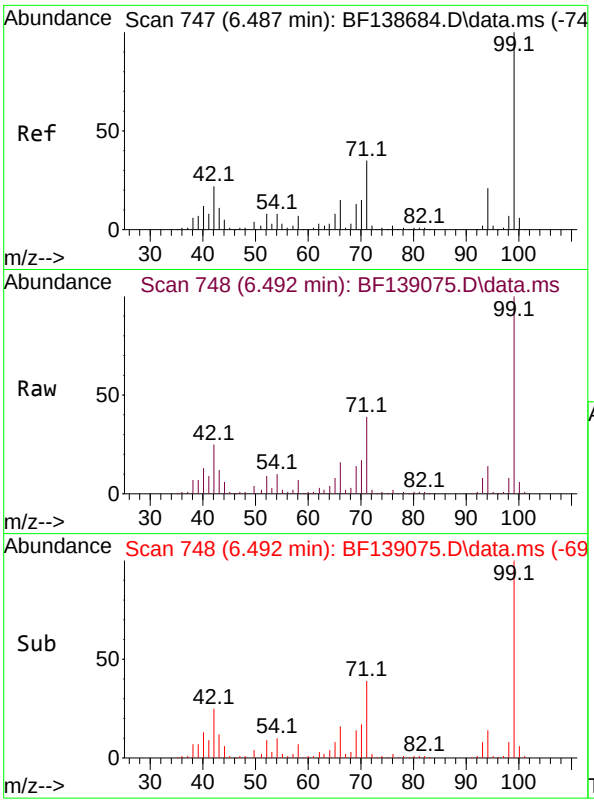


#6
Aniline
Concen: 31.091 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 93 Resp: 128338

Ion	Ratio	Lower	Upper
93	100		
66	138.4	46.9	70.3#
65	84.9	26.5	39.7#

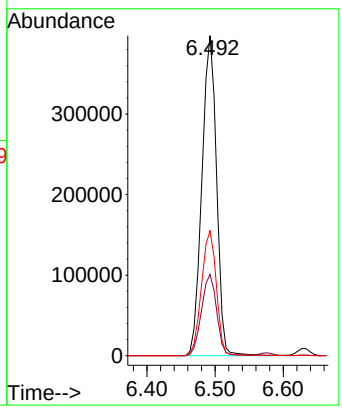




#7
Phenol-d6
Concen: 128.433 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 99 Resp: 59445

Ion	Ratio	Lower	Upper
99	100		
42	25.4	17.4	26.0
71	39.0	28.1	42.1



Instrument :
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ClientSampleId :
PB162688BS

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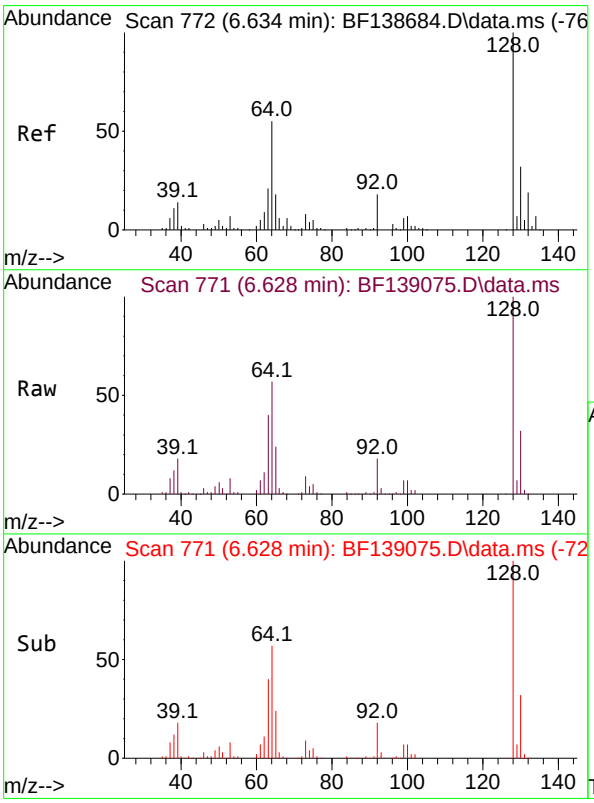
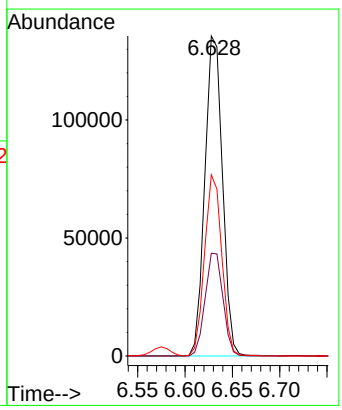
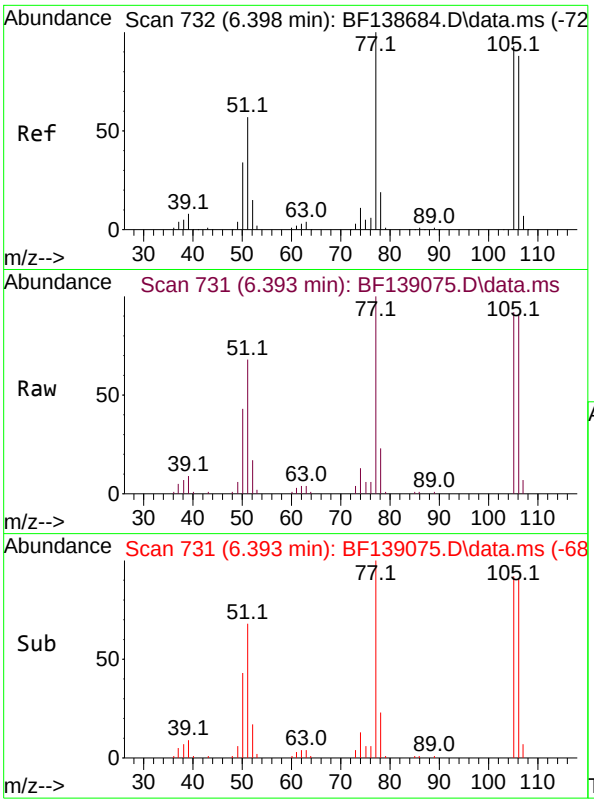


#8
2-Chlorophenol
Concen: 48.258 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:128 Resp: 175036

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.0	52.0
64	56.6	36.3	76.3

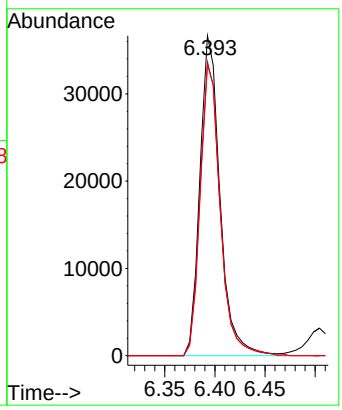




#9
Benzaldehyde
Concen: 18.480 ng
RT: 6.393 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 77 Resp: 5127

Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	90.9	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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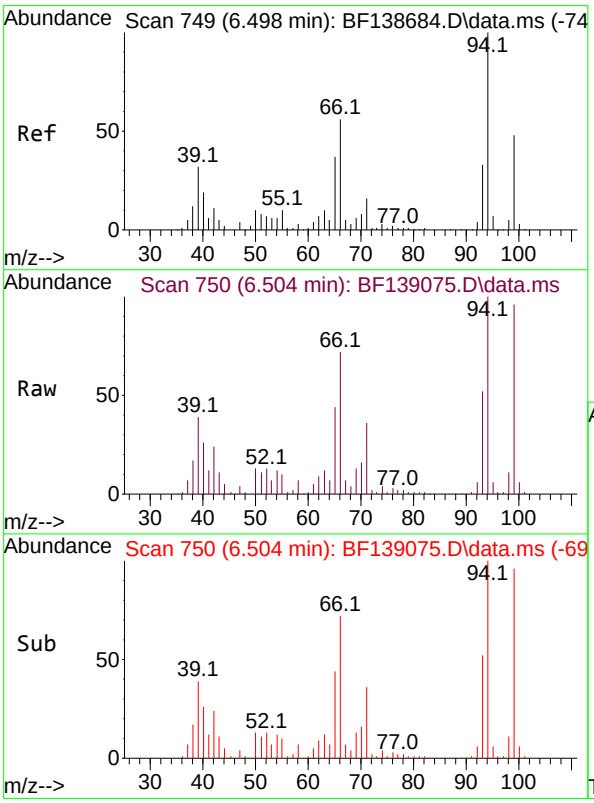
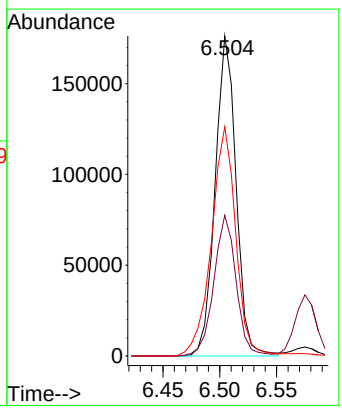
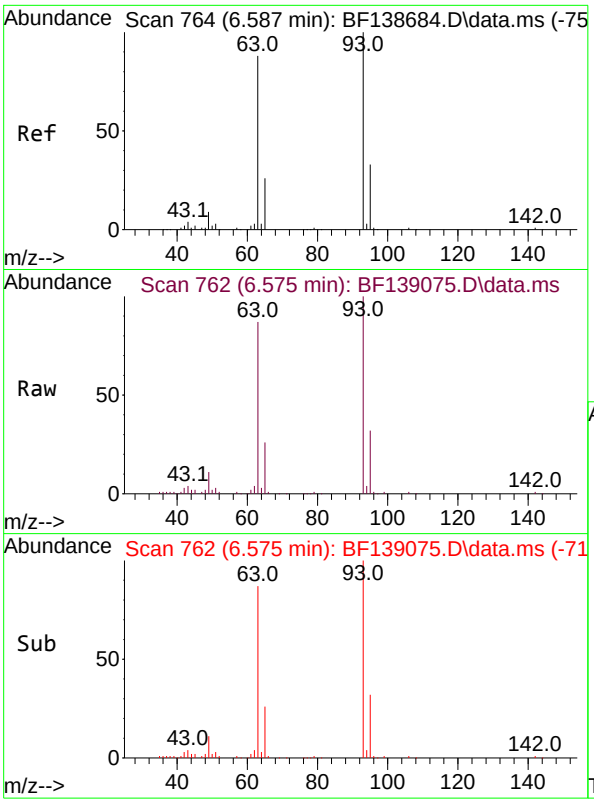


#10
Phenol
Concen: 46.352 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 94 Resp: 225887

Ion	Ratio	Lower	Upper
94	100		
65	43.9	16.9	56.9
66	71.6	36.5	76.5

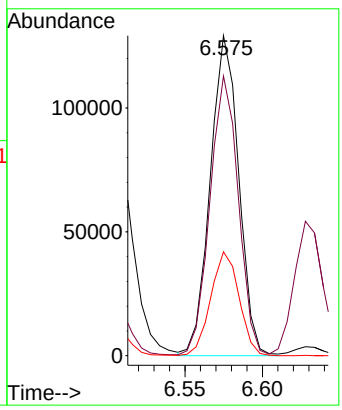




#11
bis(2-Chloroethyl)ether
Concen: 44.105 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 93 Resp: 16540

Ion	Ratio	Lower	Upper
93	100		
63	87.4	65.3	105.3
95	32.5	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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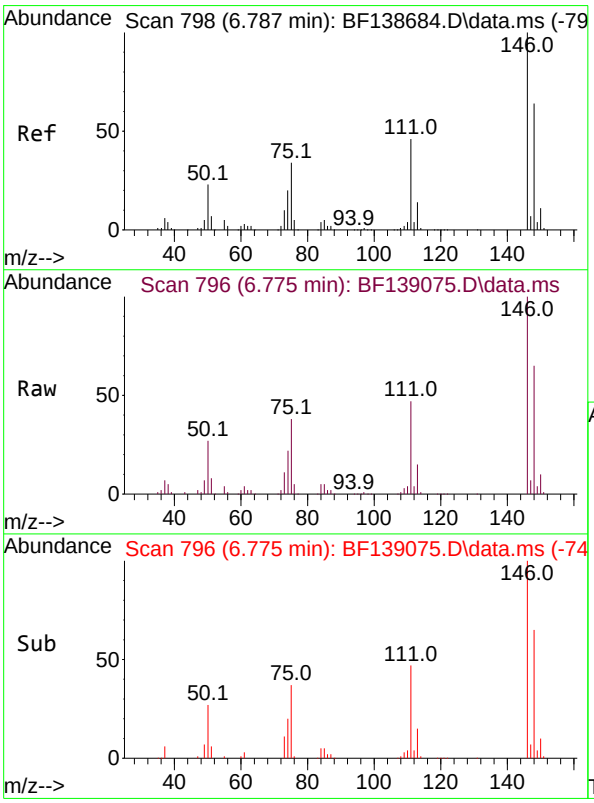
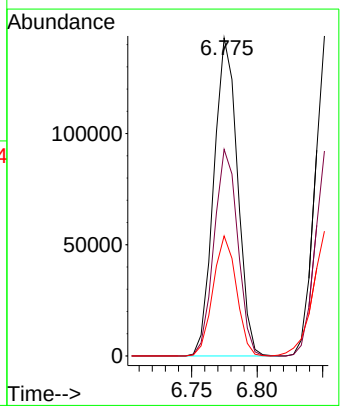
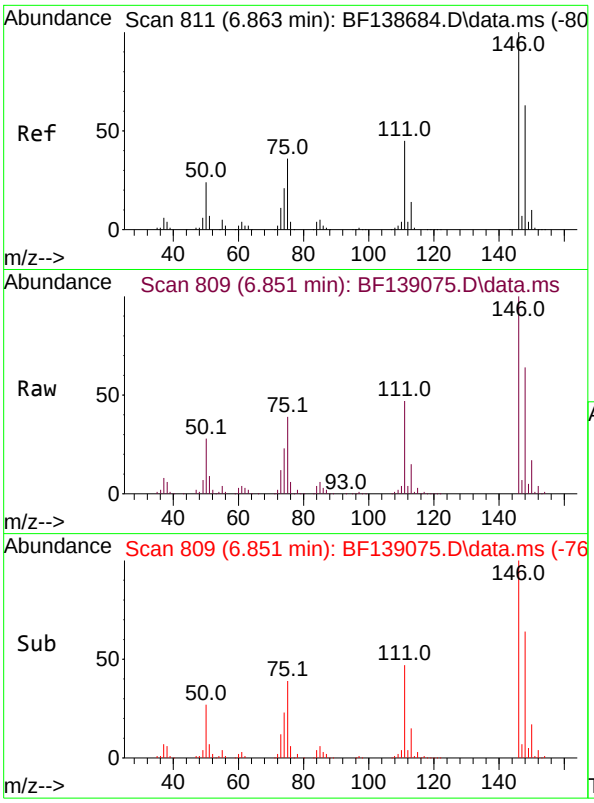


#12
1,3-Dichlorobenzene
Concen: 44.142 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:146 Resp: 179220

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.2	76.8
75	37.8	27.4	41.2

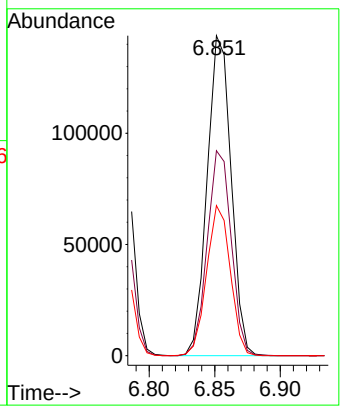




#13
1,4-Dichlorobenzene
Concen: 44.631 ng
RT: 6.851 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:146 Resp: 18286

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.2	75.2
111	46.9	35.9	53.9



Instrument :
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ClientSampleId :
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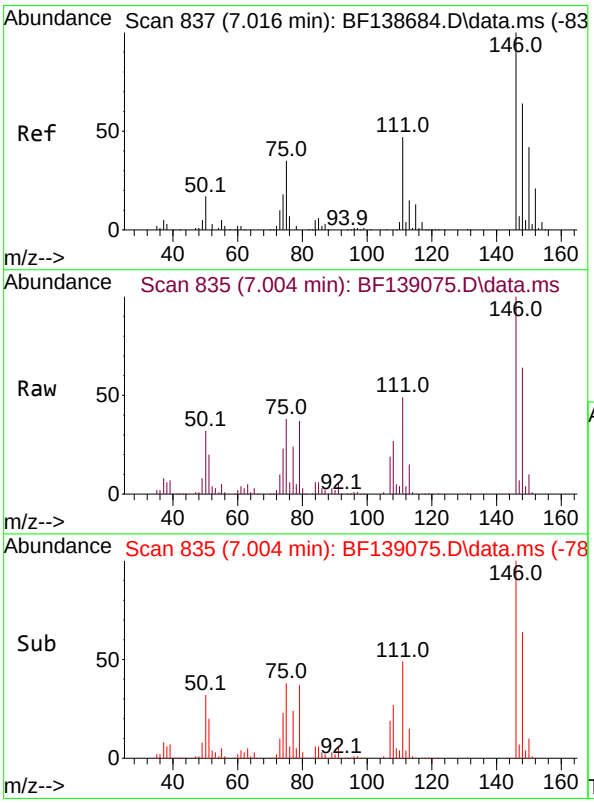
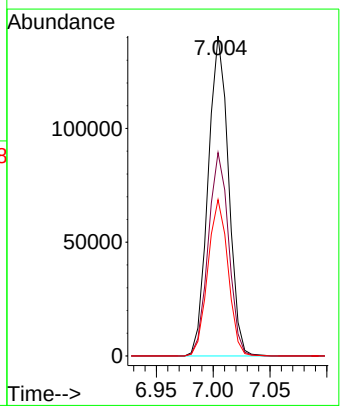
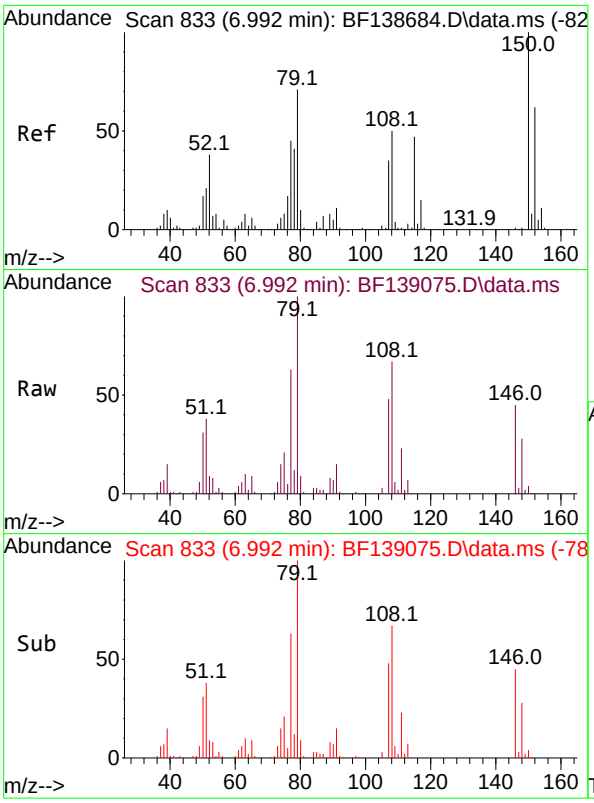


#14
1,2-Dichlorobenzene
Concen: 45.754 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:146 Resp: 175205

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	48.8	37.4	56.2





#15
Benzyl Alcohol
Concen: 49.346 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 79 Resp: 16461

Ion	Ratio	Lower	Upper
79	100		
108	66.6	56.6	85.0
77	62.9	50.3	75.5

Instrument :
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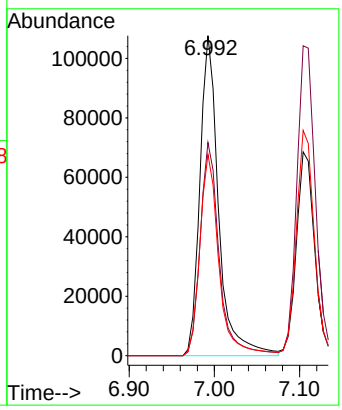
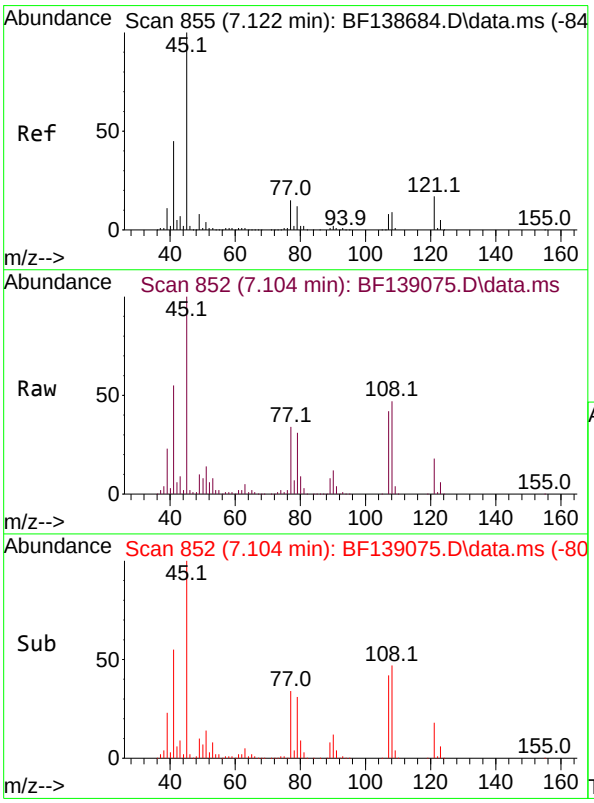
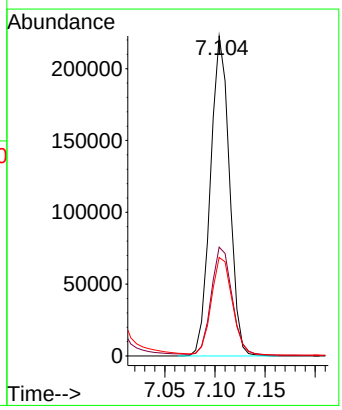


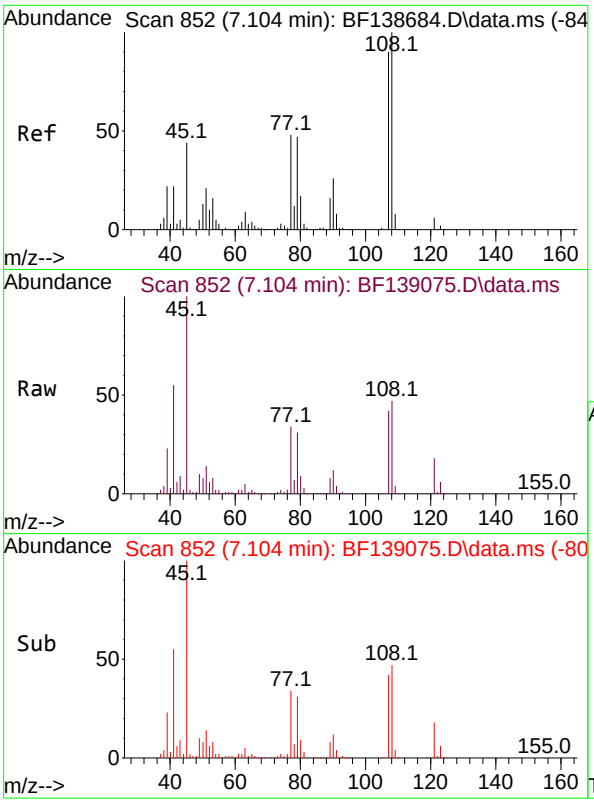


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.542 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 45 Resp: 293921

Ion	Ratio	Lower	Upper
45	100		
77	34.0	0.0	34.9
79	30.8	0.0	32.2

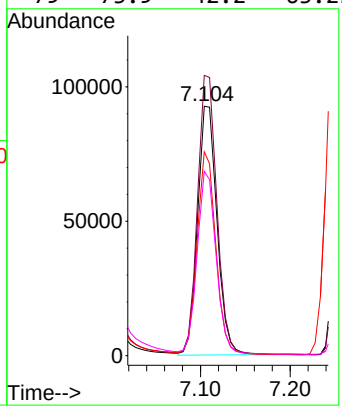




#17
2-Methylphenol
Concen: 46.510 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:107 Resp: 13930

Ion	Ratio	Lower	Upper
107	100		
108	112.4	89.2	133.8
77	81.7	43.0	64.4#
79	73.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
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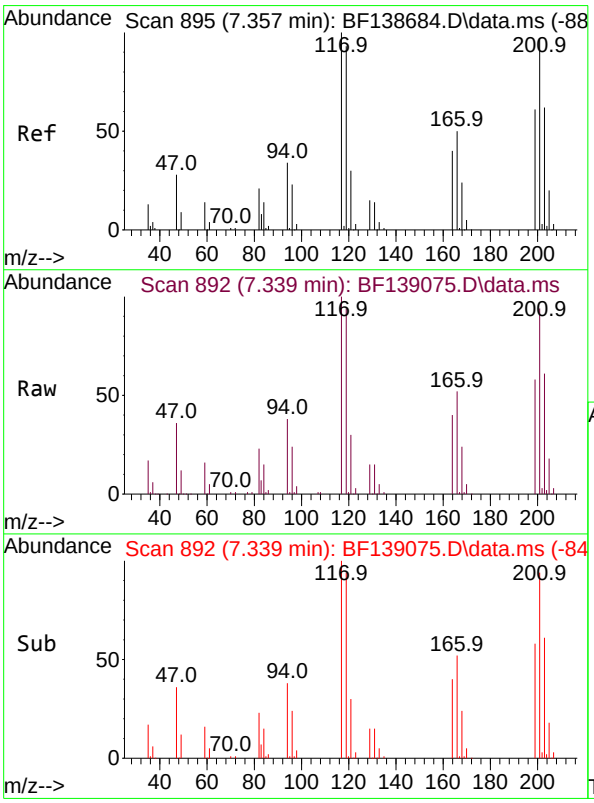
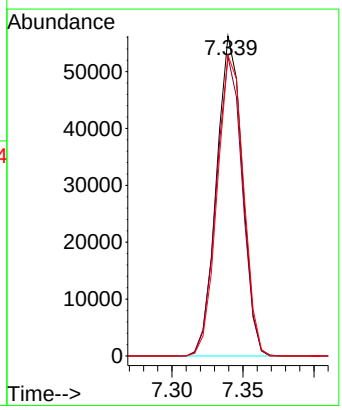
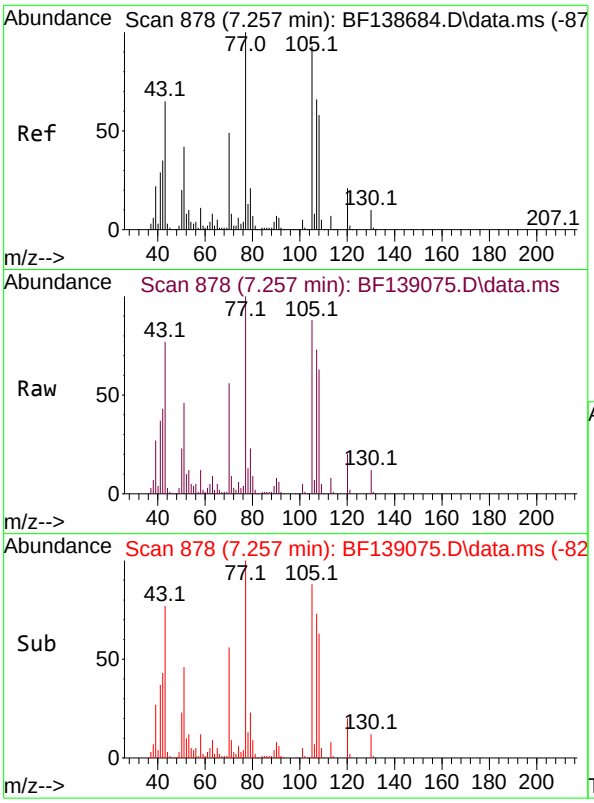


#18
Hexachloroethane
Concen: 45.925 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:117 Resp: 70832

Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.6	111.8
201	94.0	77.2	115.8

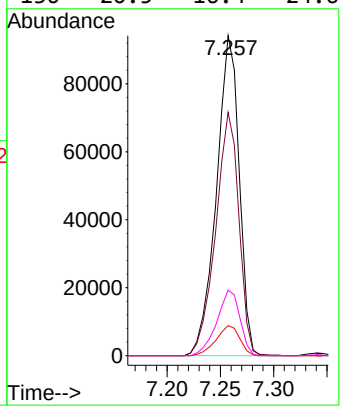




#19
n-Nitroso-di-n-propylamine
Concen: 50.005 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 70 Resp: 13979

Ion	Ratio	Lower	Upper
70	100		
42	76.1	57.4	86.0
101	9.4	7.5	11.3
130	20.5	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
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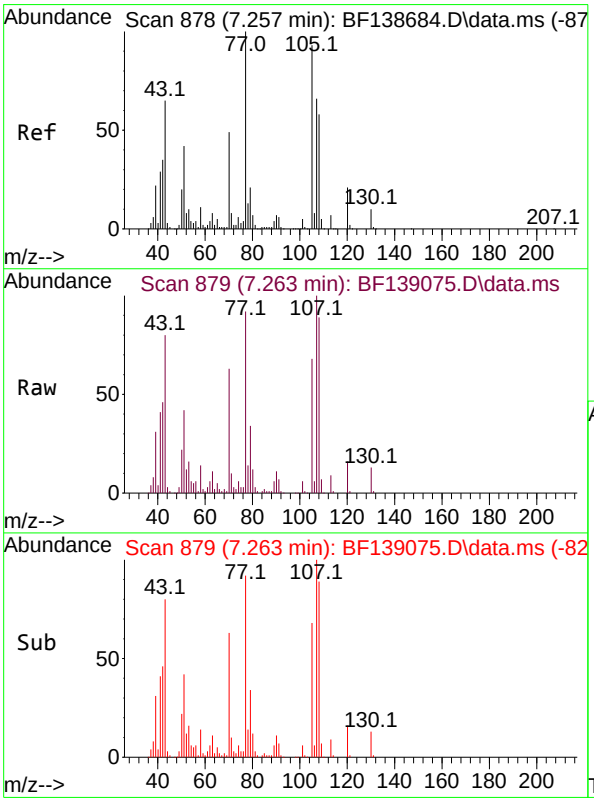
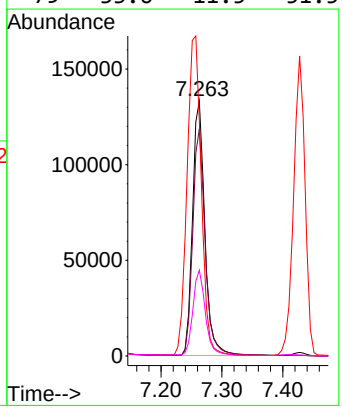
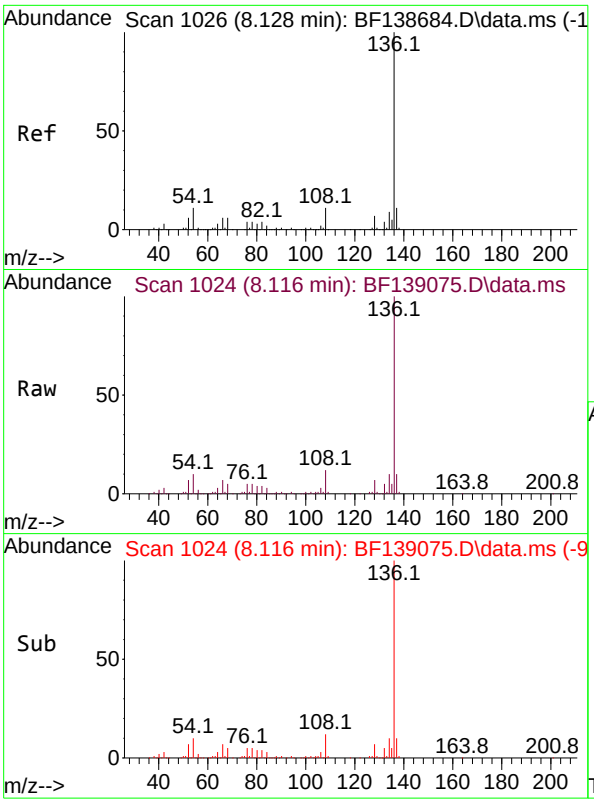


#20
3+4-Methylphenols
Concen: 48.791 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:107 Resp: 187490

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.2	108.2
77	92.1	132.1	172.1#
79	33.6	11.5	51.5

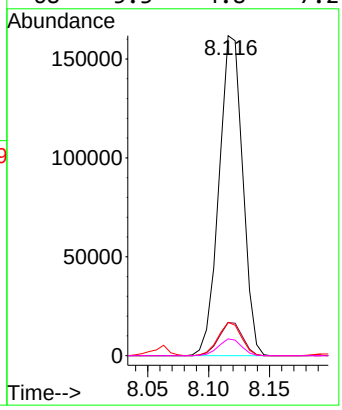




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:136 Resp: 21935

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	10.4	8.6	12.8
68	5.3	4.8	7.2



Instrument :
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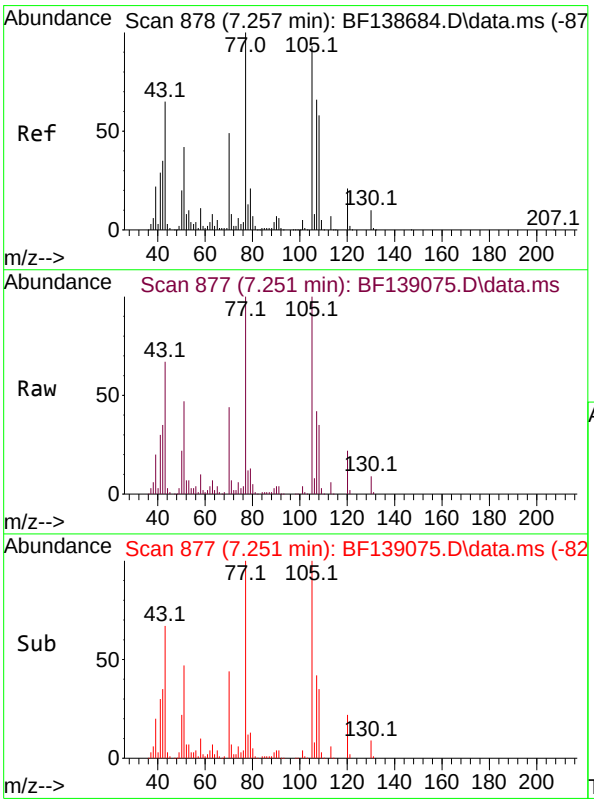
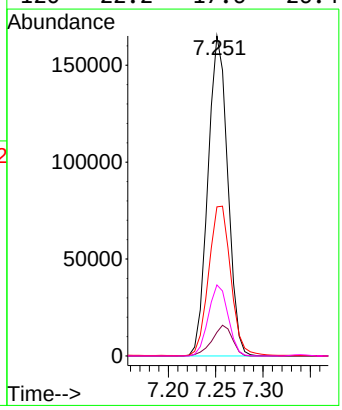
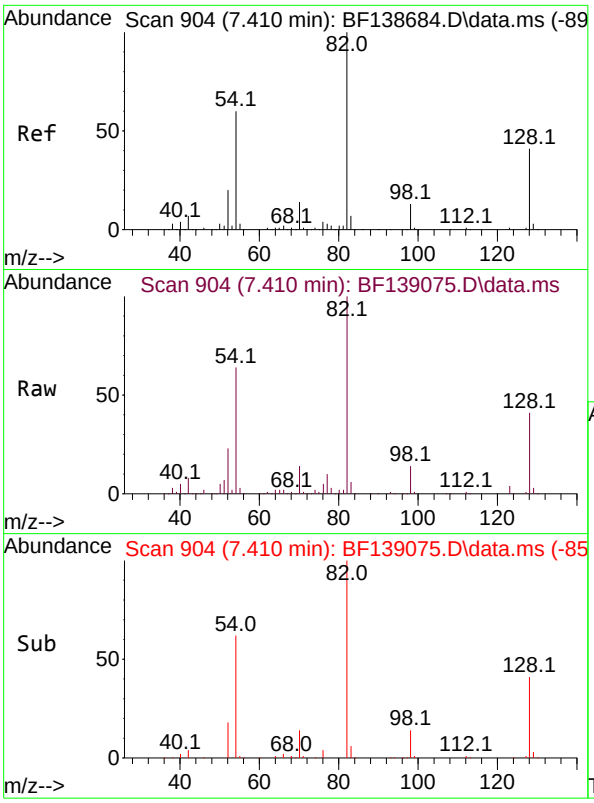


#22
Acetophenone
Concen: 44.762 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:105 Resp: 240406

Ion	Ratio	Lower	Upper
105	100		
71	7.4	7.2	10.8
51	46.6	35.9	53.9
120	22.2	17.6	26.4

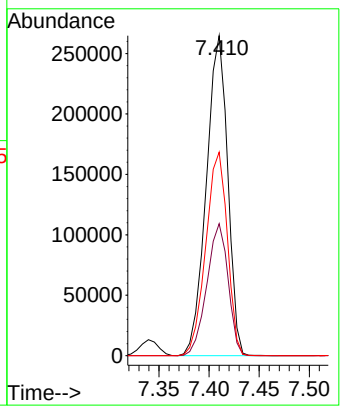




#23
Nitrobenzene-d5
Concen: 87.618 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 82 Resp: 39309

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.8	49.2
54	63.6	48.3	72.5



Instrument :
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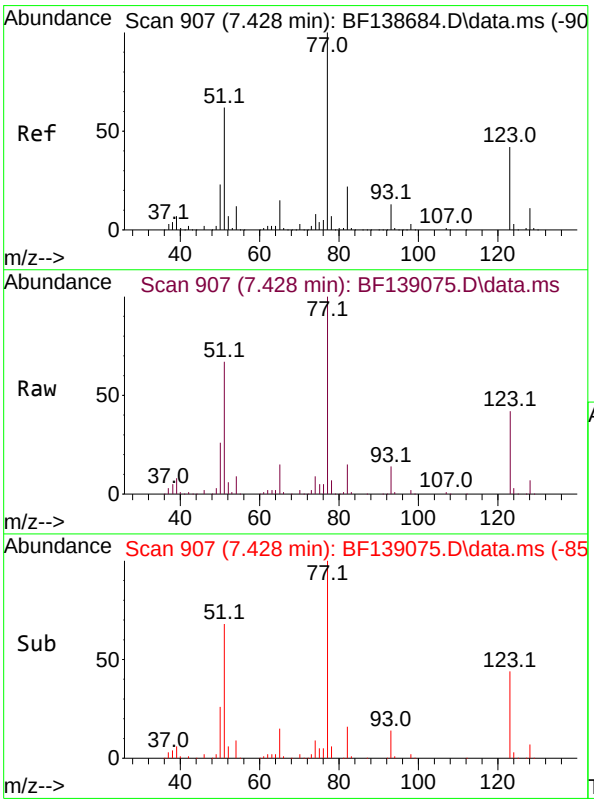
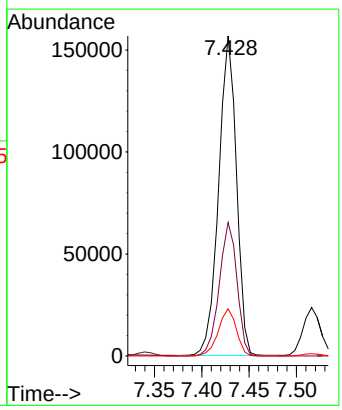
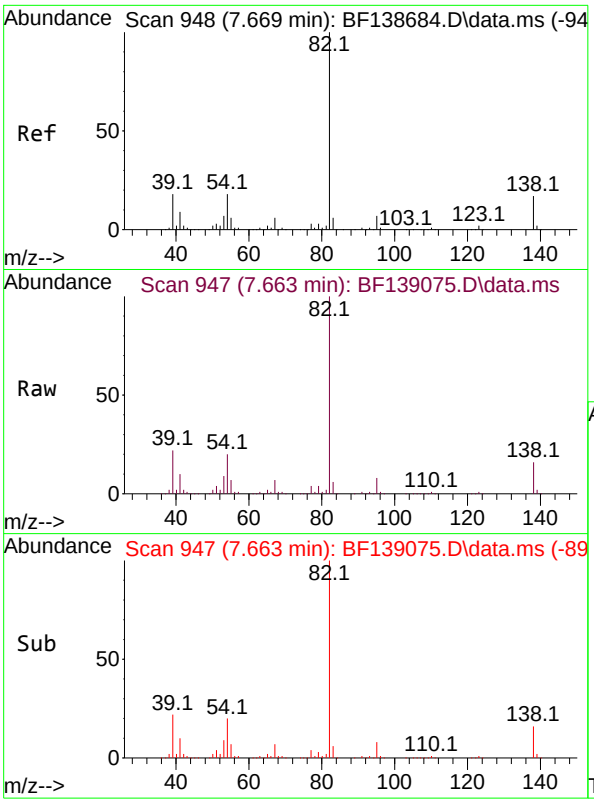


#24
Nitrobenzene
Concen: 44.896 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 77 Resp: 204964

Ion	Ratio	Lower	Upper
77	100		
123	41.7	33.3	49.9
65	14.8	11.9	17.9

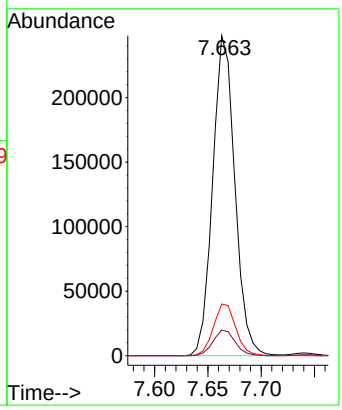




#25
Isophorone
Concen: 46.815 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 82 Resp: 35864

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.7	8.5
138	16.2	13.7	20.5



Instrument :
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ClientSampleId :
PB162688BS

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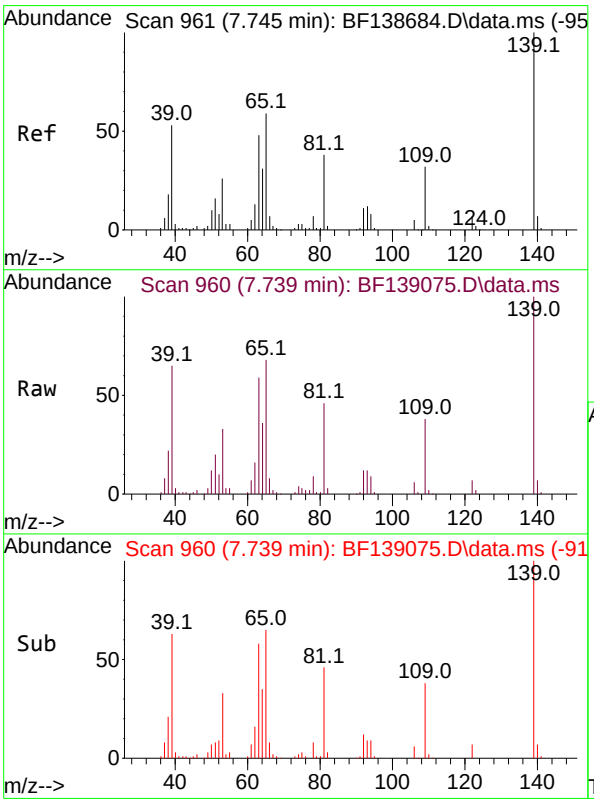
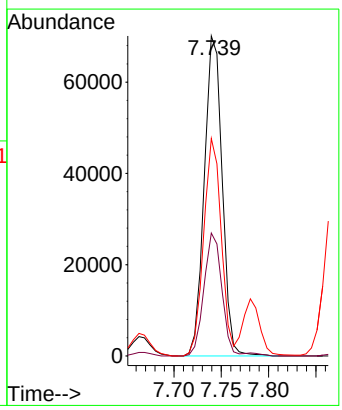
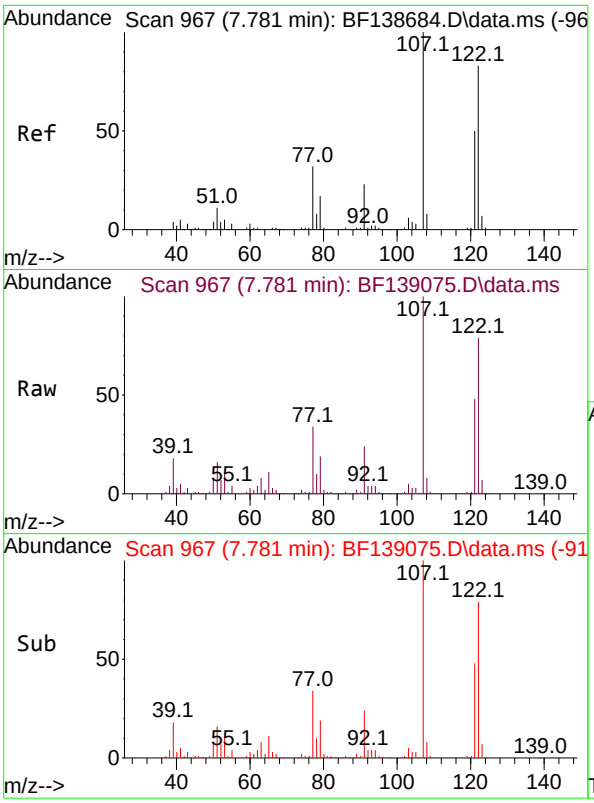


#26
2-Nitrophenol
Concen: 46.828 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:139 Resp: 91978

Ion	Ratio	Lower	Upper
139	100		
109	38.4	25.9	38.9
65	67.9	47.0	70.6

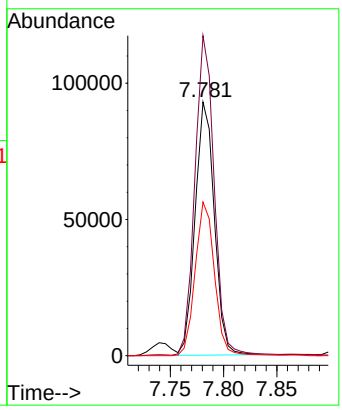




#27
2,4-Dimethylphenol
Concen: 49.638 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:122 Resp: 11665

Ion	Ratio	Lower	Upper
122	100		
107	126.2	95.0	142.6
121	60.6	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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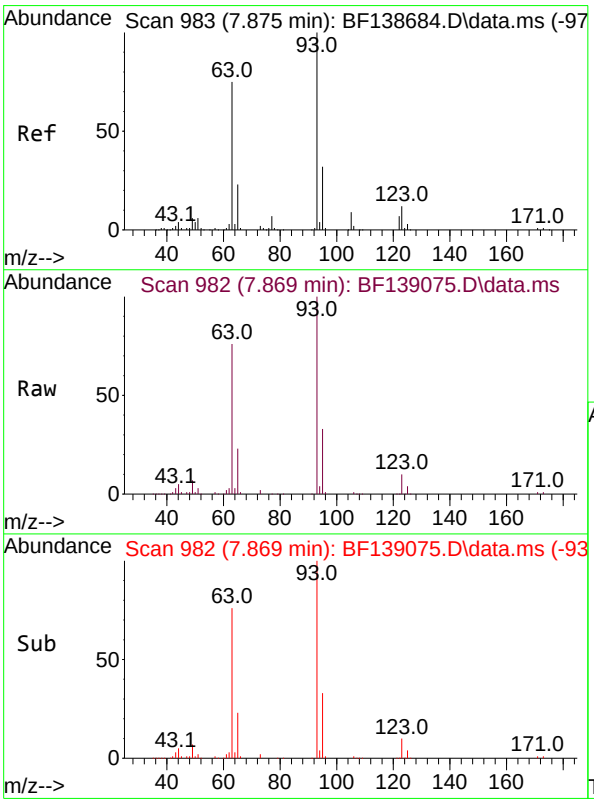
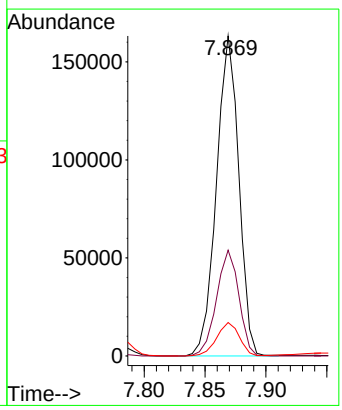
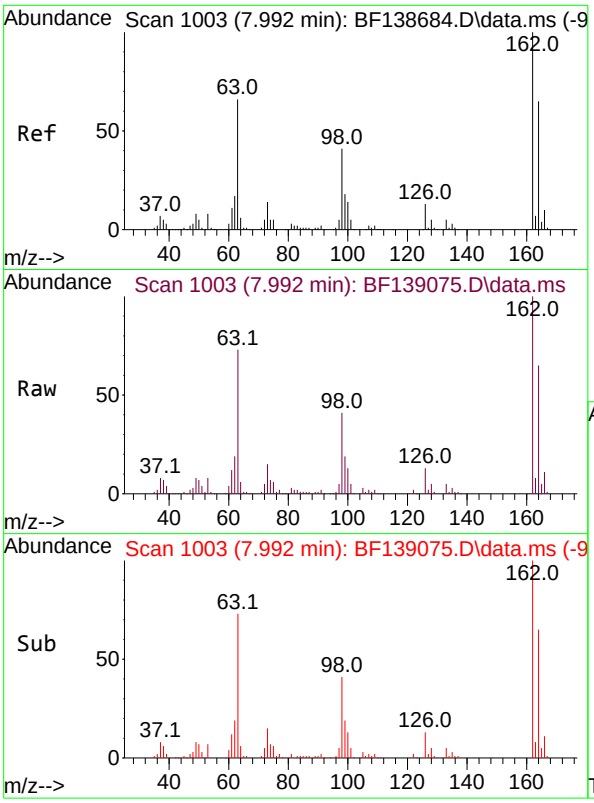


#28
bis(2-Chloroethoxy)methane
Concen: 44.650 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 93 Resp: 208302

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	10.5	9.4	14.0

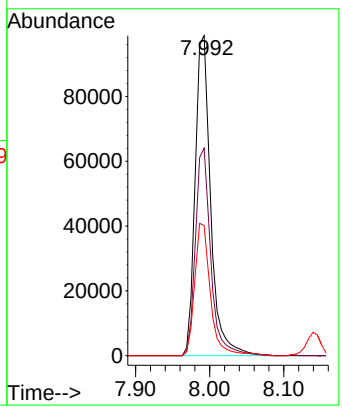




#29
2,4-Dichlorophenol
Concen: 47.651 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:162 Resp: 14389

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.7	84.7
98	40.7	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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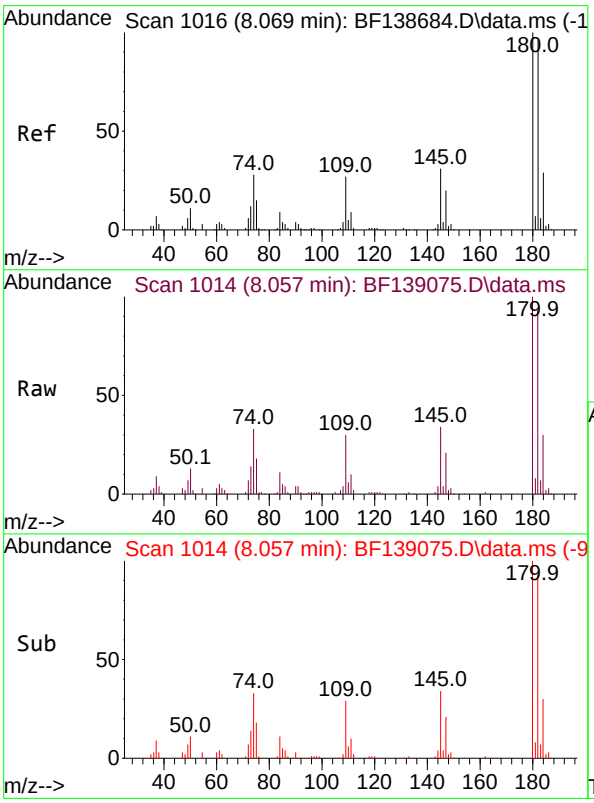
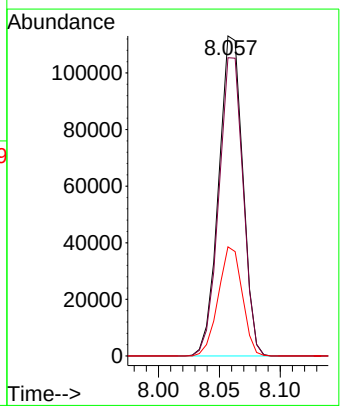
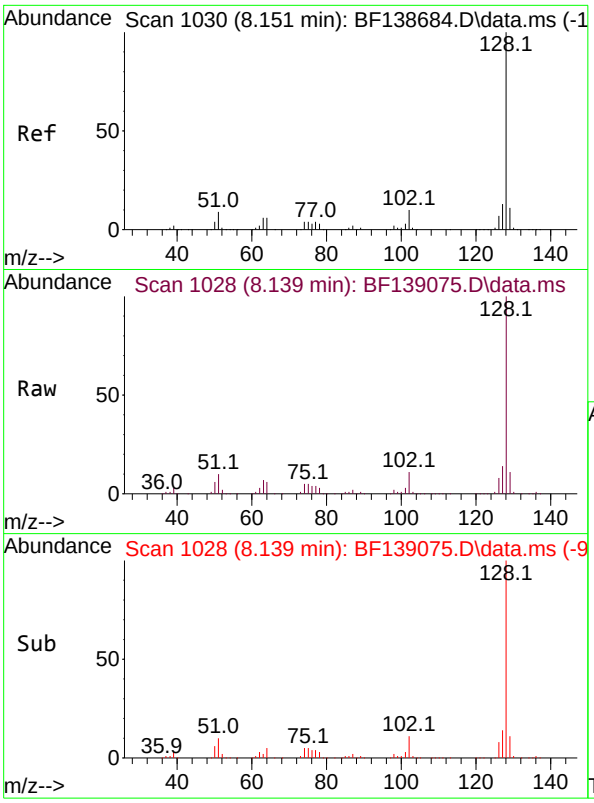


#30
1,2,4-Trichlorobenzene
Concen: 44.690 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:180 Resp: 155740

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.9	115.3
145	34.1	25.0	37.4

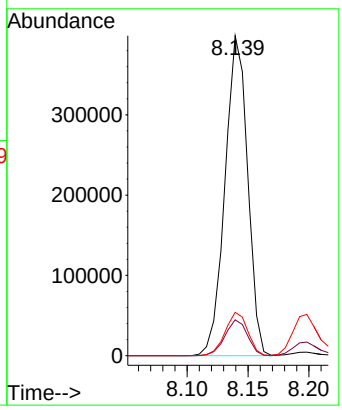




#31
Naphthalene
Concen: 44.681 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:128 Resp: 51588

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.6	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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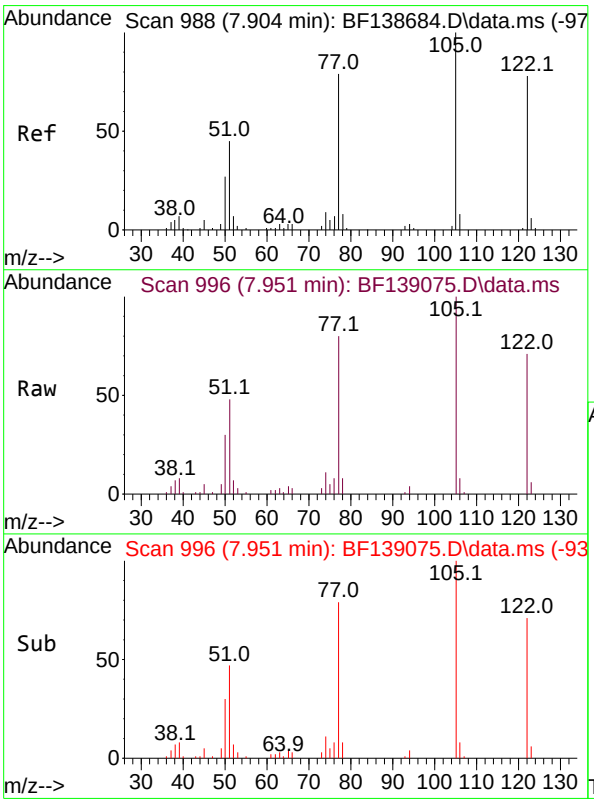
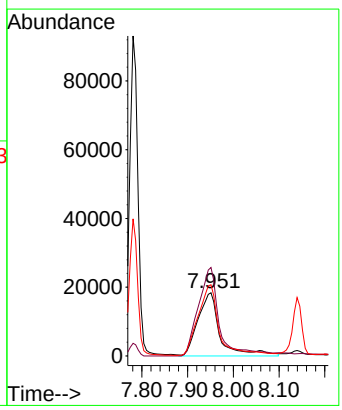
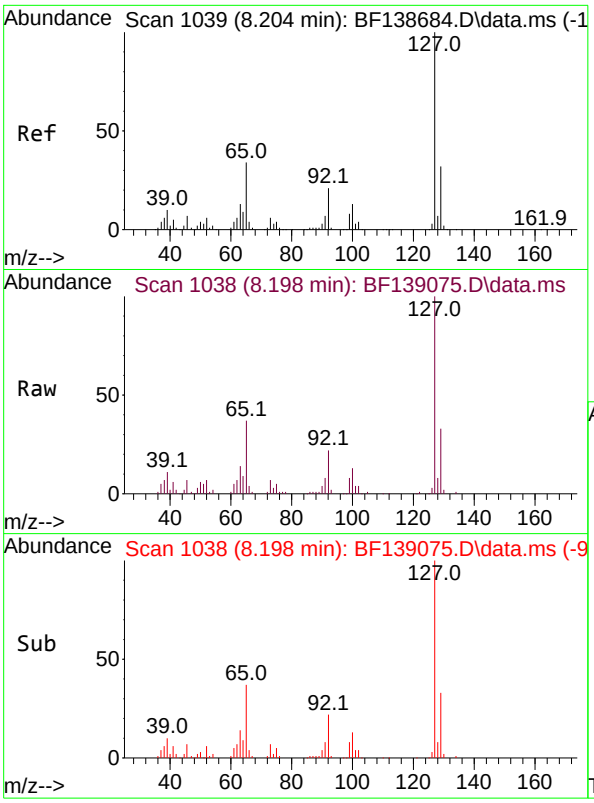


#32
Benzoic acid
Concen: 33.370 ng m
RT: 7.951 min Scan# 996
Delta R.T. 0.047 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:122 Resp: 61645

Ion	Ratio	Lower	Upper
122	100		
105	139.9	106.7	146.7
77	112.6	81.1	121.1

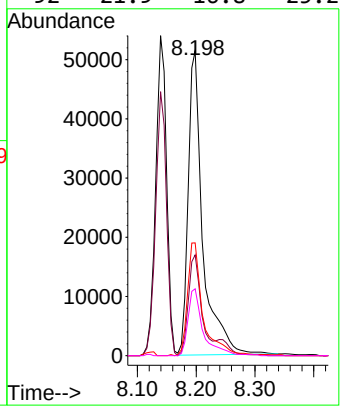




#33
4-Chloroaniline
Concen: 22.906 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:127 Resp: 8877

Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.9	38.9
65	37.0	27.6	41.4
92	21.9	16.8	25.2



Instrument :
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ClientSampleId :
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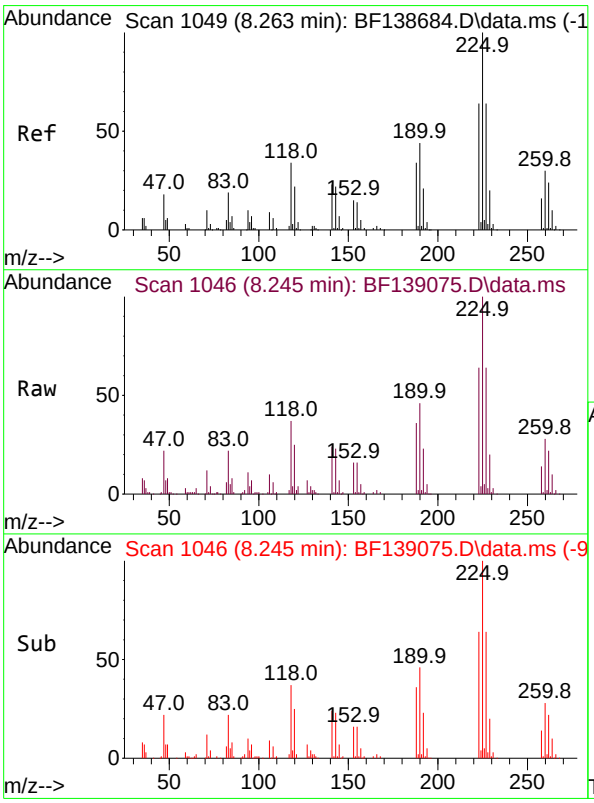
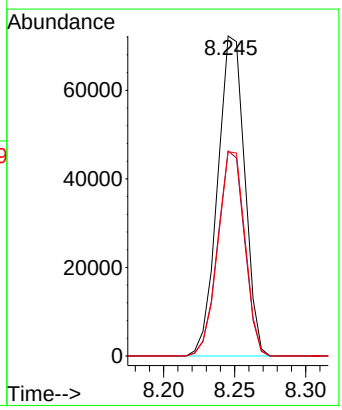
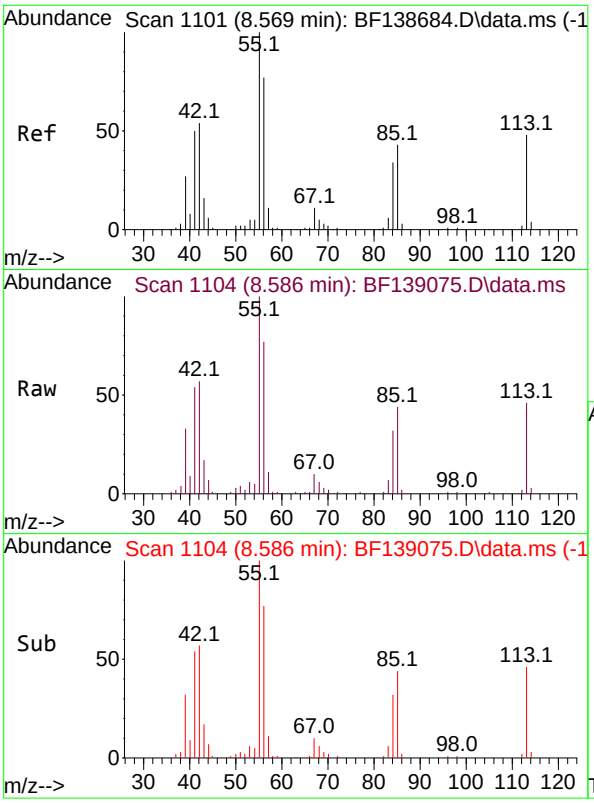


#34
Hexachlorobutadiene
Concen: 45.372 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:225 Resp: 95770

Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.2	76.8
227	63.8	51.1	76.7

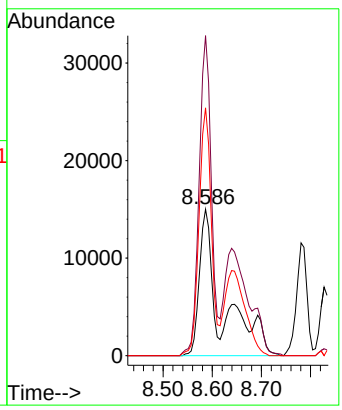




#35
Caprolactam
Concen: 51.462 ng m
RT: 8.586 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:113 Resp: 4637

Ion	Ratio	Lower	Upper
113	100		
55	218.6	186.7	226.7
56	169.3	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
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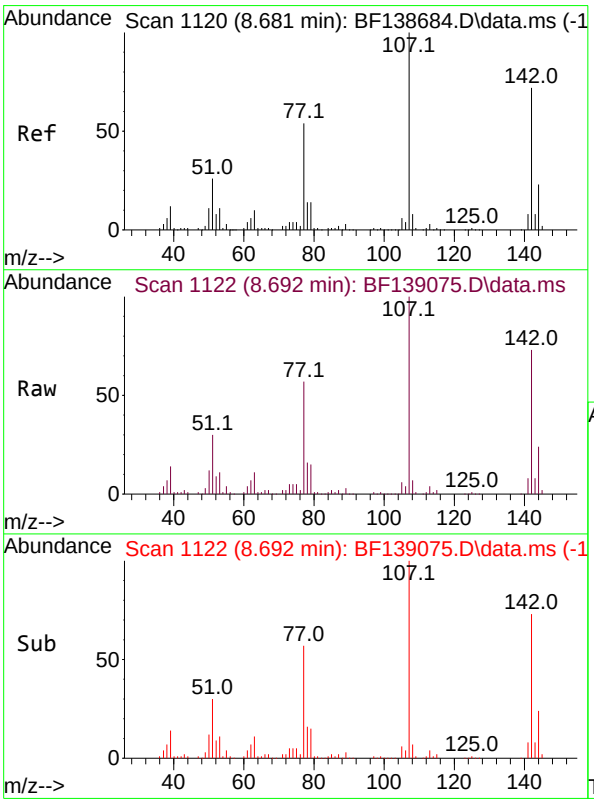
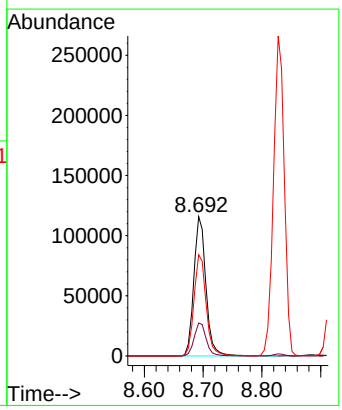
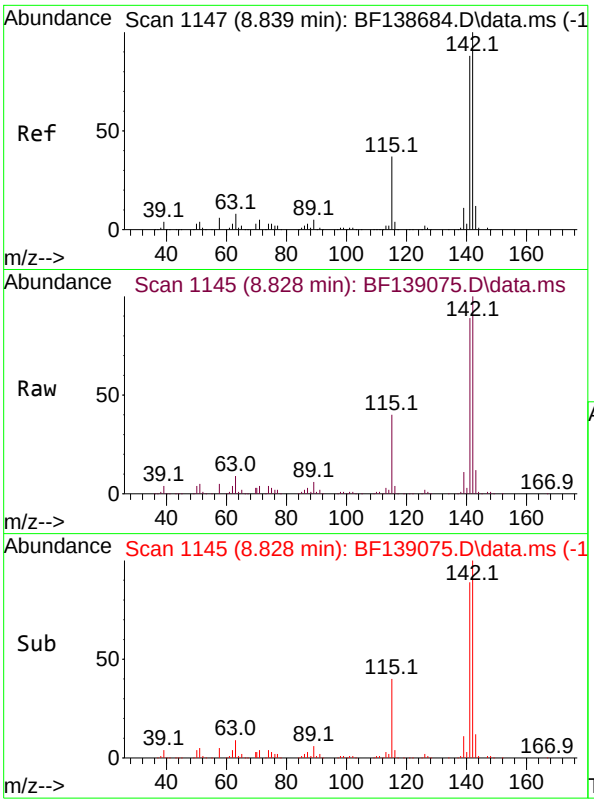


#36
4-Chloro-3-methylphenol
Concen: 47.907 ng
RT: 8.692 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:107 Resp: 165335

Ion	Ratio	Lower	Upper
107	100		
144	23.6	18.2	27.2
142	72.7	57.4	86.2





#37
2-Methylnaphthalene
Concen: 46.577 ng
RT: 8.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:142 Resp: 33963

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
PB162688BS

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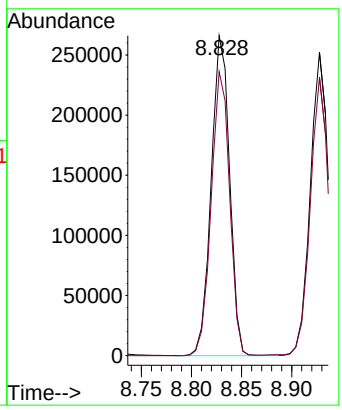
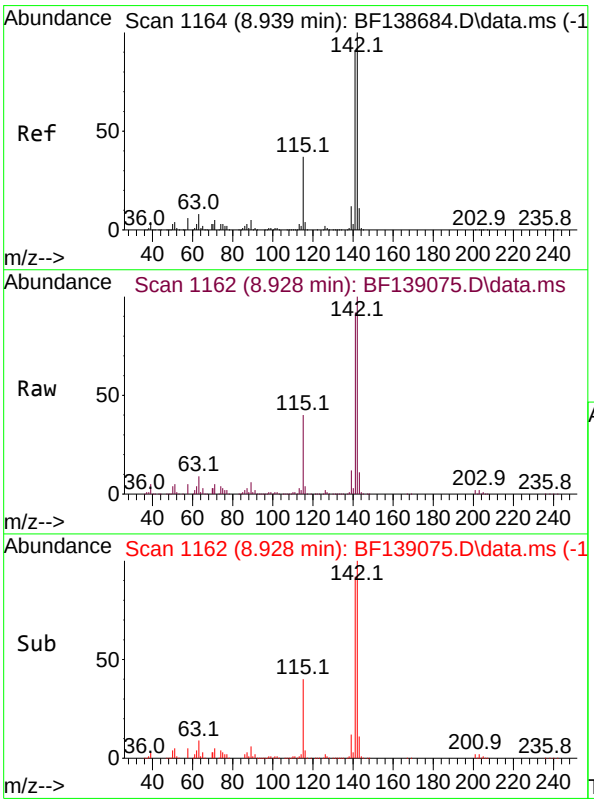
Supervised By :mohammad ahmed 08/21/2024

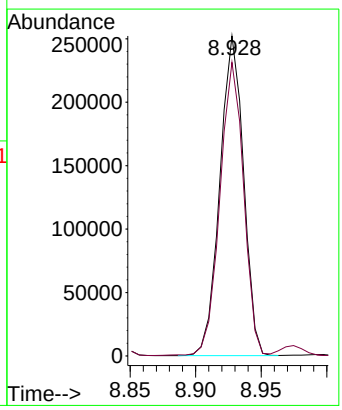


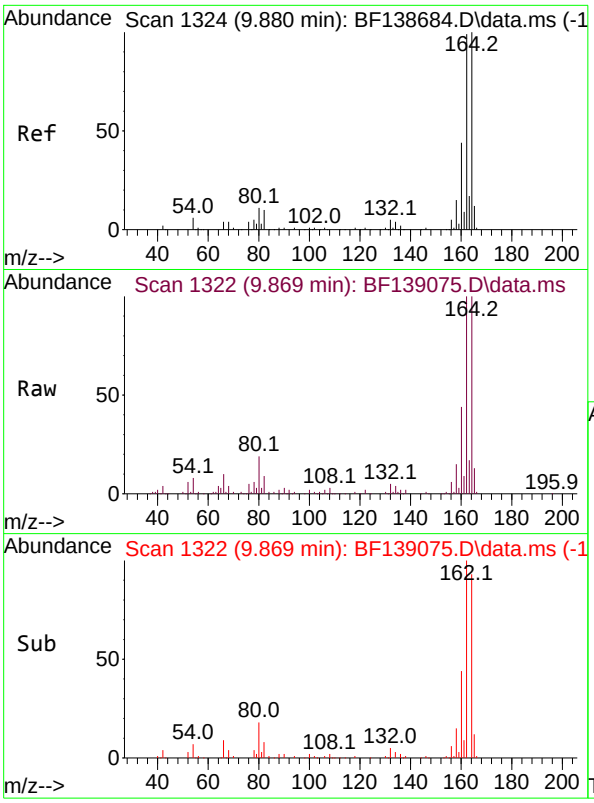


#38
1-Methylnaphthalene
Concen: 44.231 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:142 Resp: 316050

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.1	109.7

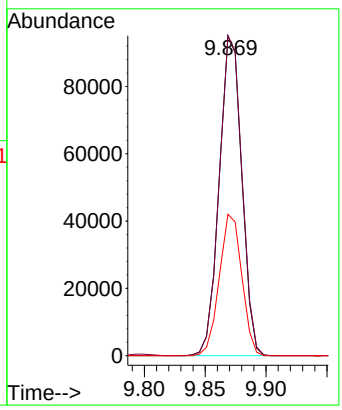




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:164 Resp: 12232

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.4	119.0
160	44.2	35.1	52.7



Instrument :
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ClientSampleId :
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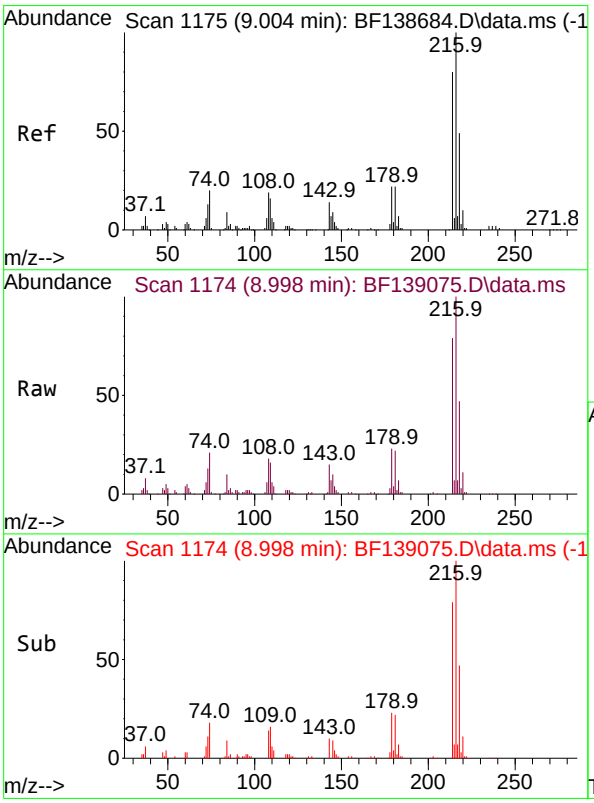
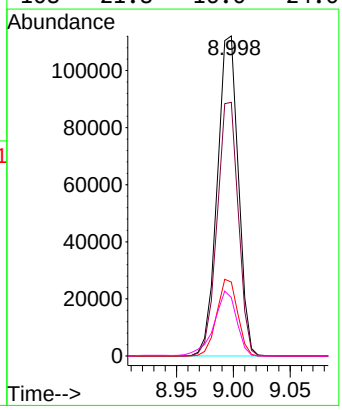
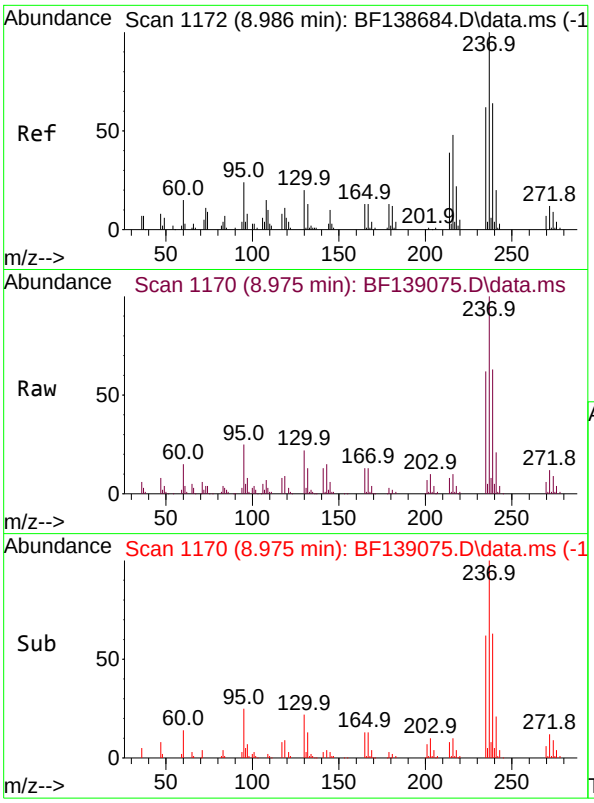


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.568 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:216 Resp: 144648

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.9	95.9
179	23.7	17.8	26.6
108	21.8	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 83.846 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Instrument :
BNA_F
ClientSampleId :
PB162688BS

Tgt Ion:237 Resp: 7574

Ion	Ratio	Lower	Upper
237	100		
235	62.0	41.8	81.8
272	11.7	0.0	32.2

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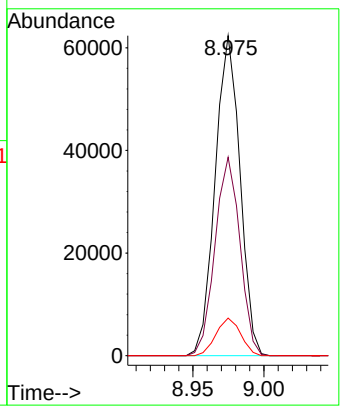
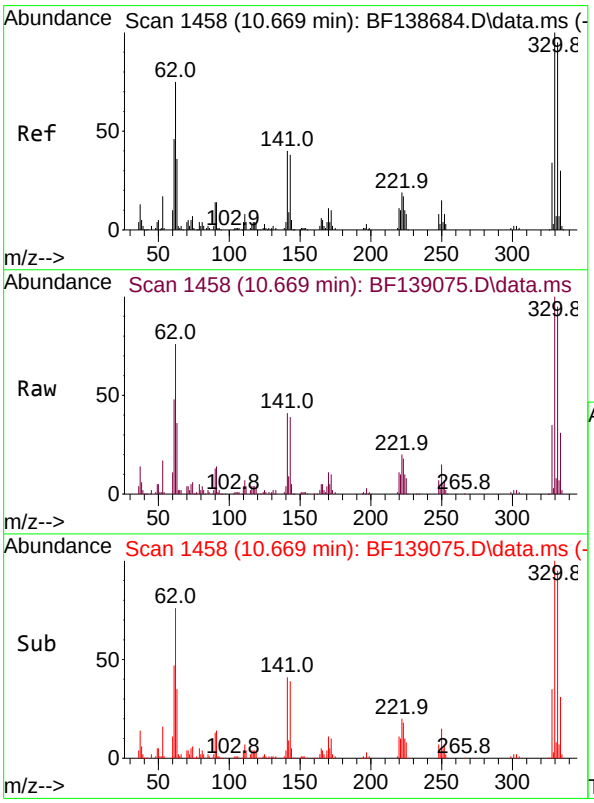
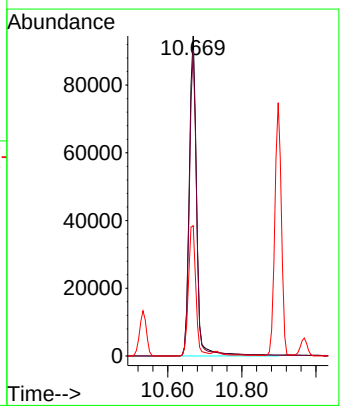


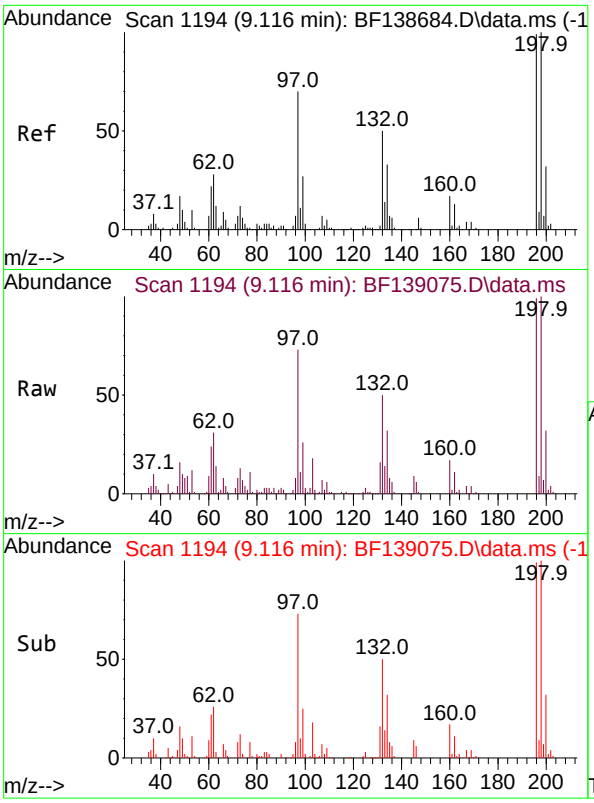


#42
2,4,6-Tribromophenol
Concen: 130.664 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:330 Resp: 130927

Ion	Ratio	Lower	Upper
330	100		
332	92.7	76.4	114.6
141	41.0	31.1	46.7

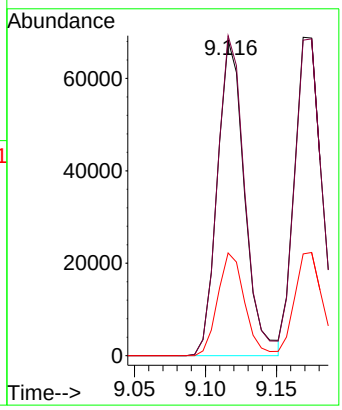




#43
2,4,6-Trichlorophenol
Concen: 43.928 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:196 Resp: 9101

Ion	Ratio	Lower	Upper
196	100		
198	101.3	80.5	120.7
200	32.5	25.9	38.9



Instrument :
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ClientSampleId :
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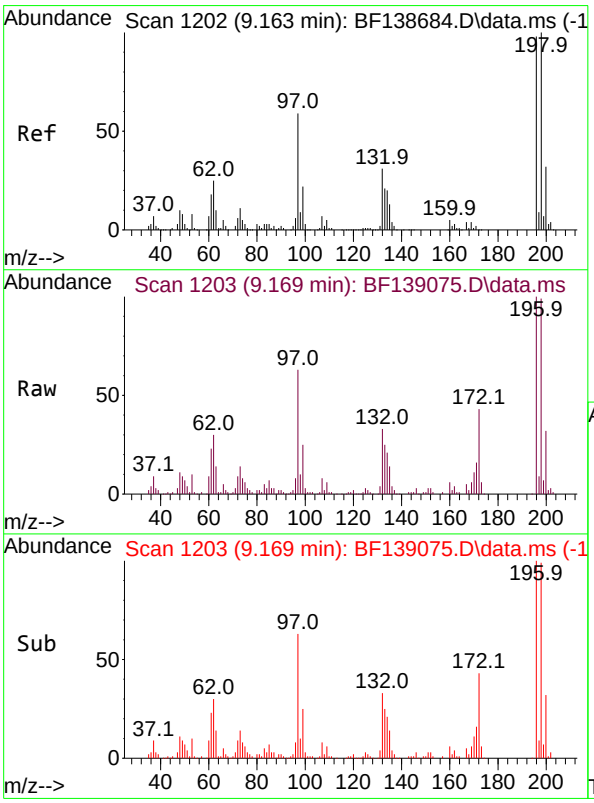
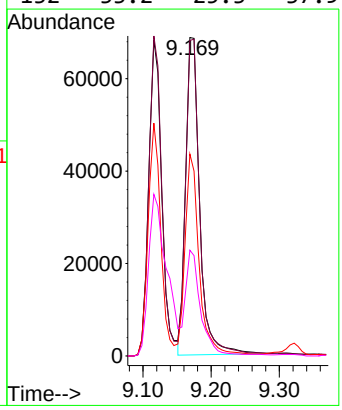
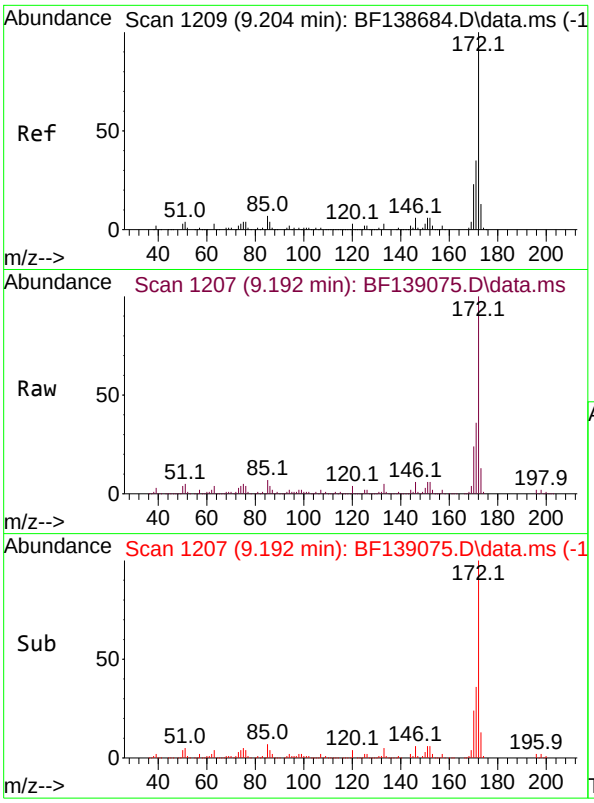


#44
2,4,5-Trichlorophenol
Concen: 43.196 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:196 Resp: 97838

Ion	Ratio	Lower	Upper
196	100		
198	99.1	81.2	121.8
97	63.4	47.8	71.6
132	33.2	25.3	37.9

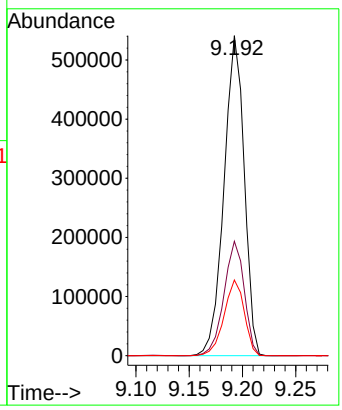




#45
2-Fluorobiphenyl
Concen: 87.738 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:172 Resp: 71431

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.6	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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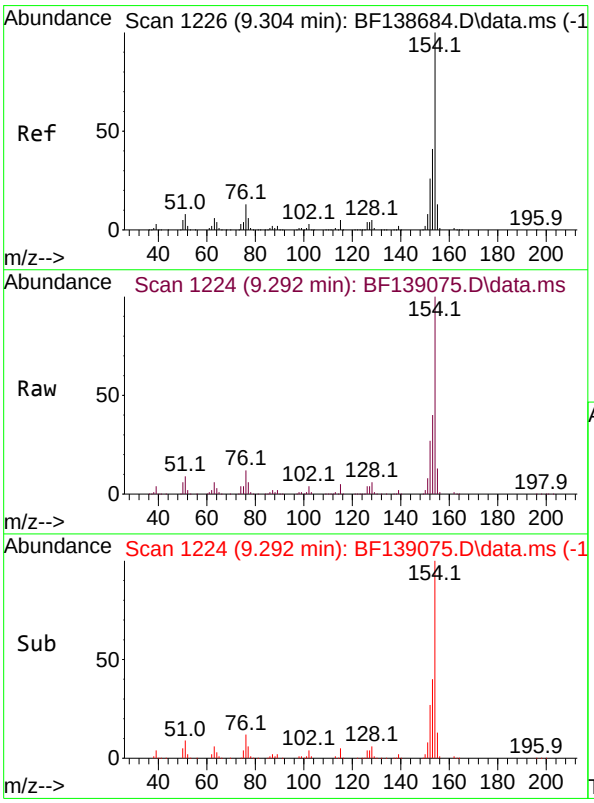
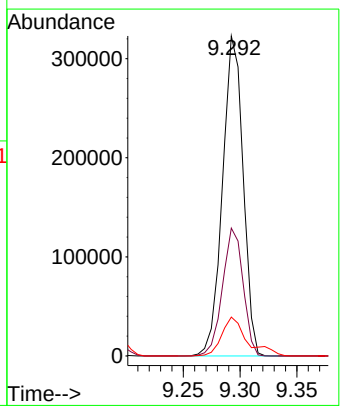
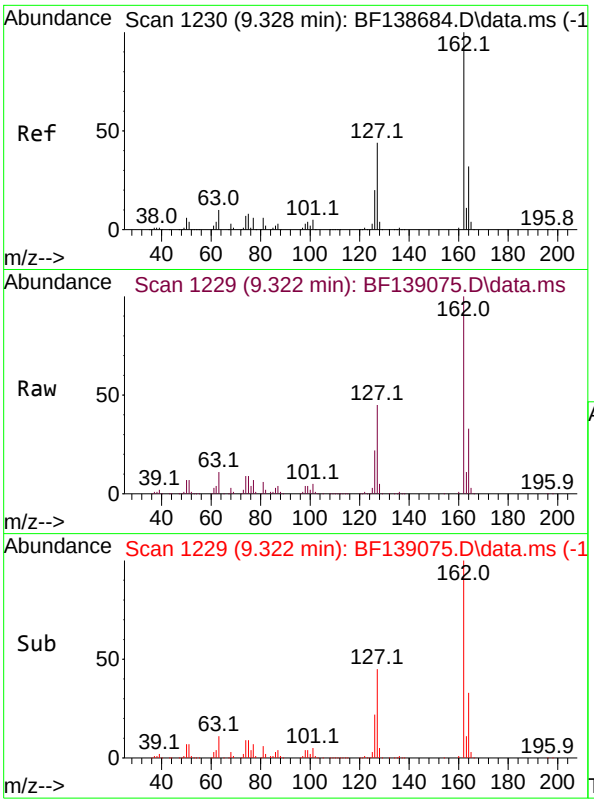


#46
1,1'-Biphenyl
Concen: 42.526 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:154 Resp: 407420

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.8	60.8
76	12.2	0.0	32.8

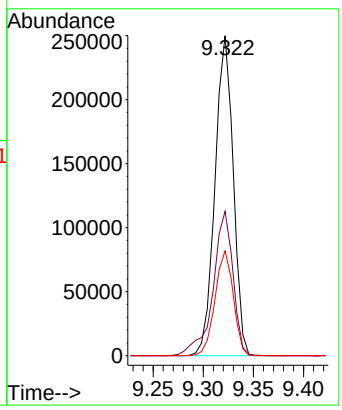




#47
2-Chloronaphthalene
Concen: 44.324 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:162 Resp: 31582

Ion	Ratio	Lower	Upper
162	100		
127	45.1	35.4	53.2
164	32.8	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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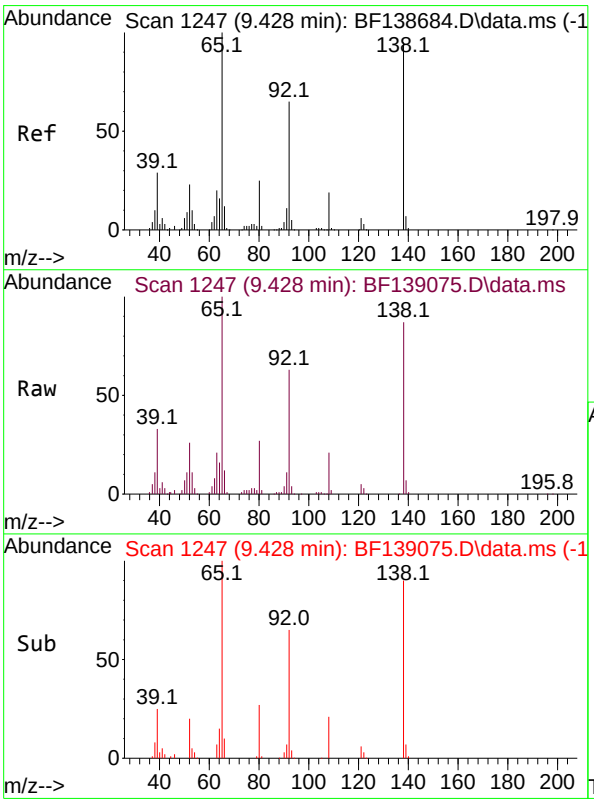
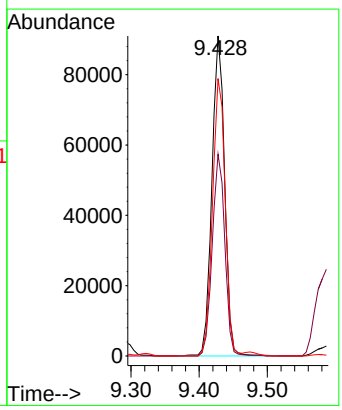
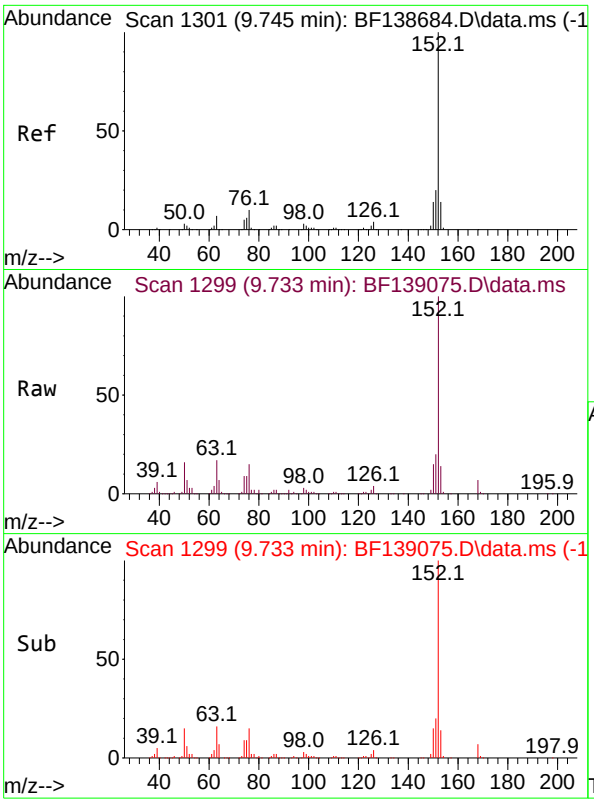


#48
2-Nitroaniline
Concen: 48.831 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 65 Resp: 117954

Ion	Ratio	Lower	Upper
65	100		
92	63.0	52.0	78.0
138	86.7	76.2	114.4

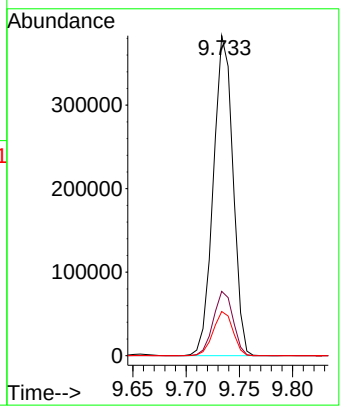




#49
Acenaphthylene
Concen: 48.591 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:152 Resp: 49105

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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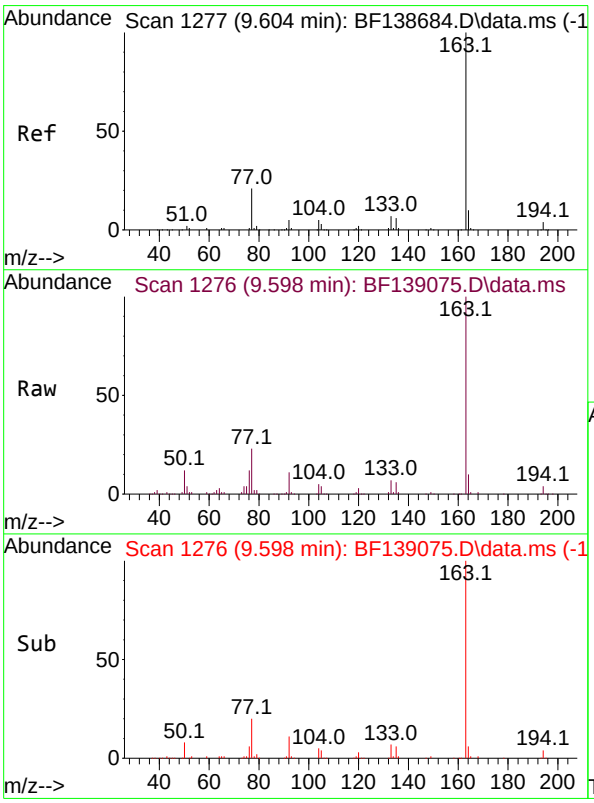
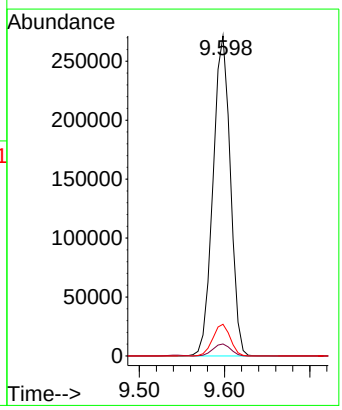
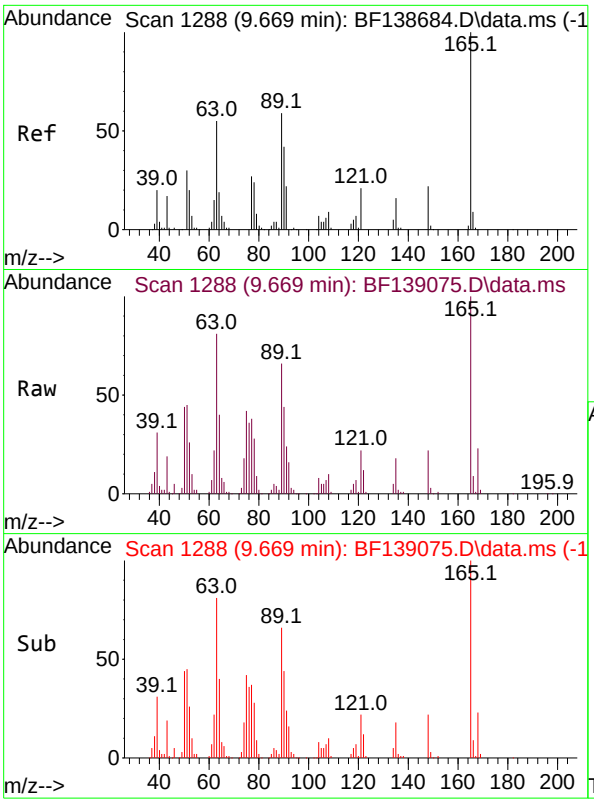


#50
Dimethylphthalate
Concen: 49.111 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:163 Resp: 384129

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.9	7.8	11.8

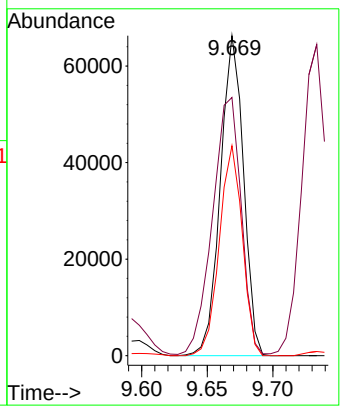




#51
2,6-Dinitrotoluene
Concen: 46.002 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:165 Resp: 8120

Ion	Ratio	Lower	Upper
165	100		
63	80.7	52.0	78.0
89	65.6	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
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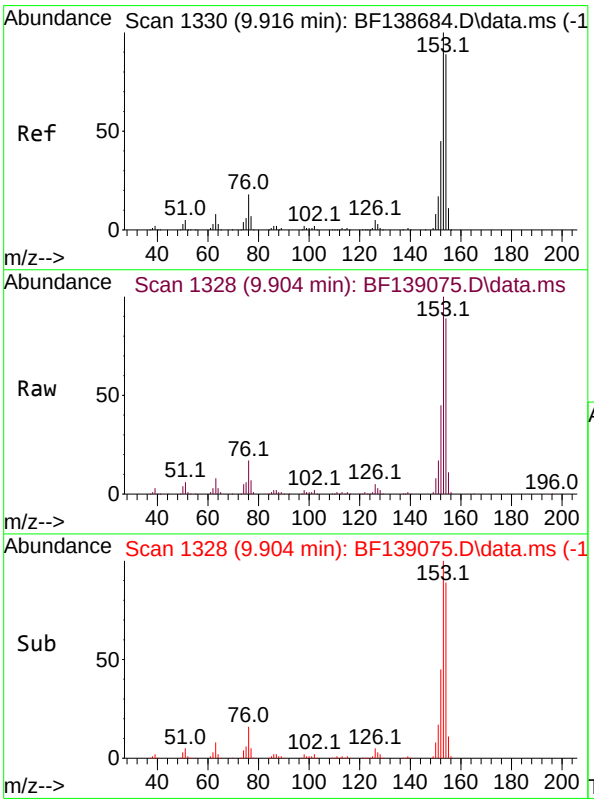
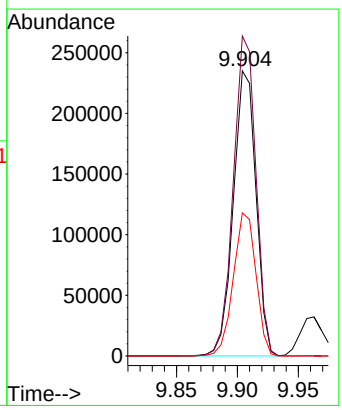
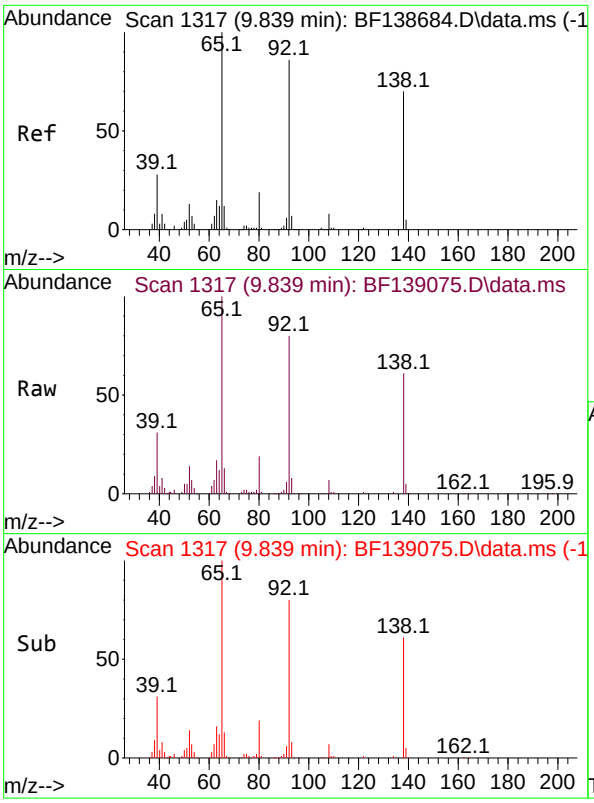


#52
Acenaphthene
Concen: 44.836 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:154 Resp: 304580

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.9	134.9
152	50.2	40.6	60.8

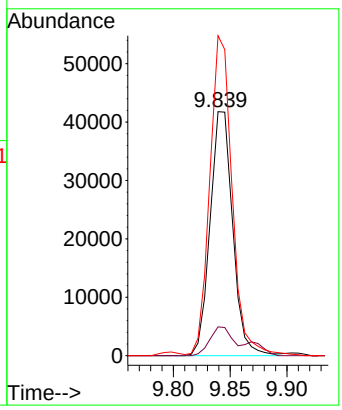




#53
3-Nitroaniline
Concen: 31.789 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:138 Resp: 5801

Ion	Ratio	Lower	Upper
138	100		
108	11.8	9.1	13.7
92	131.1	98.7	148.1



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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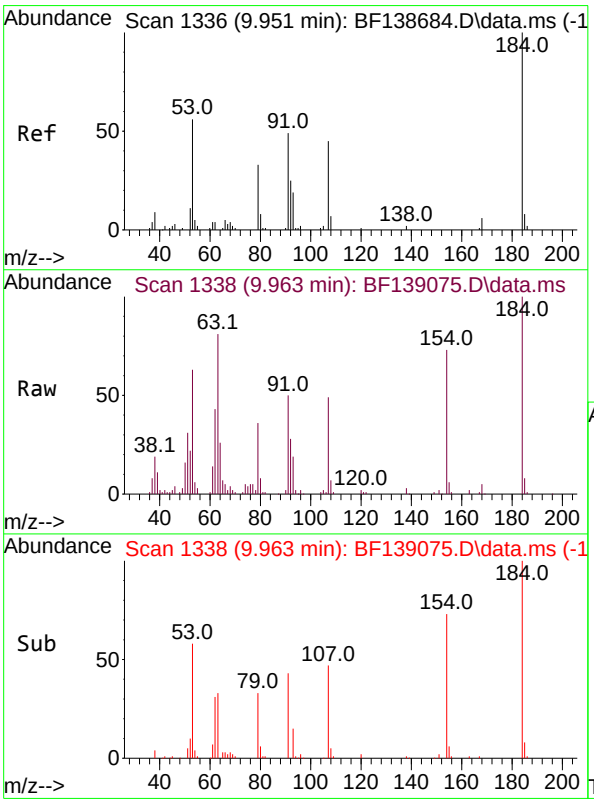
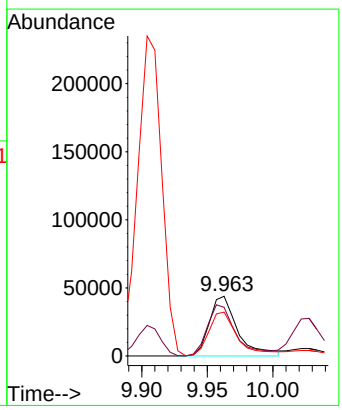
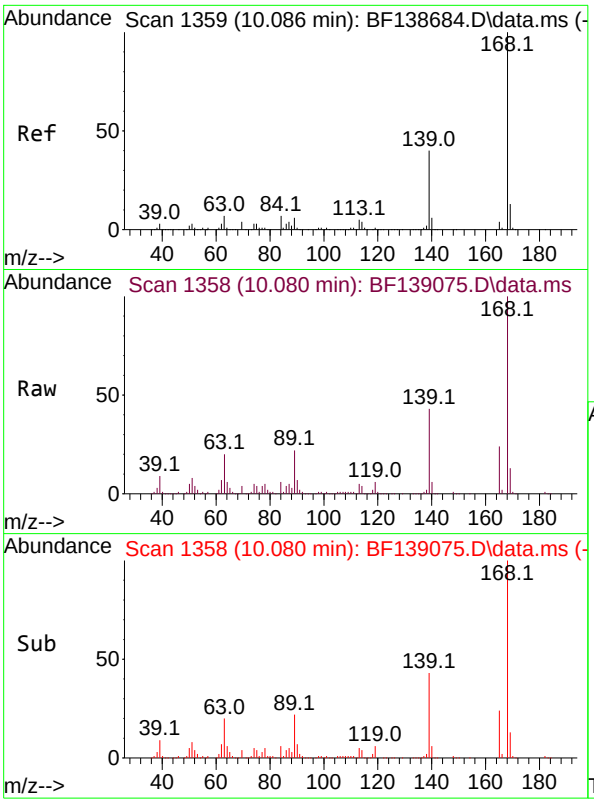


#54
2,4-Dinitrophenol
Concen: 80.928 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:184 Resp: 65761

Ion	Ratio	Lower	Upper
184	100		
63	81.5	57.5	86.3
154	73.5	51.7	77.5

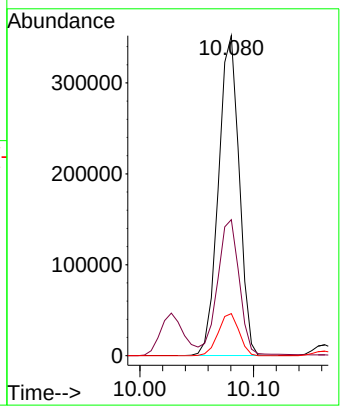




#55
Dibenzofuran
Concen: 46.404 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:168 Resp: 44498

Ion	Ratio	Lower	Upper
168	100		
139	42.5	32.6	49.0
169	13.2	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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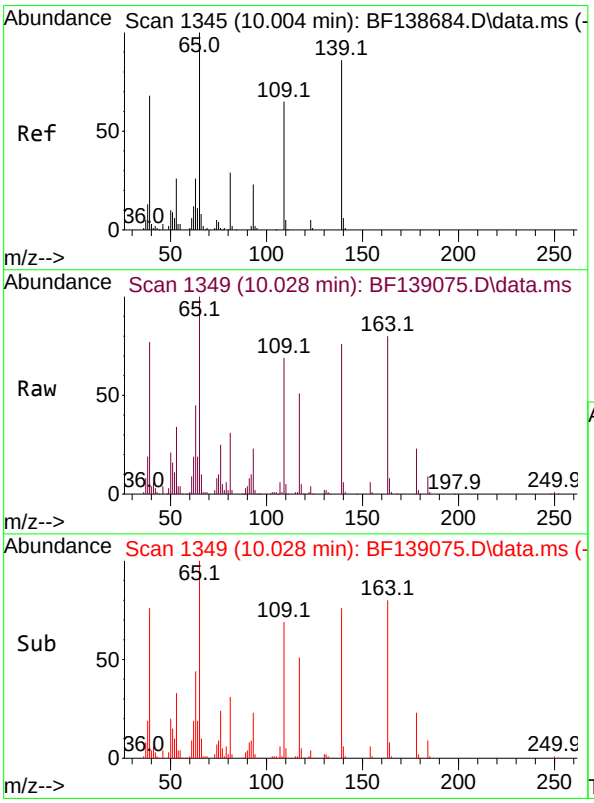
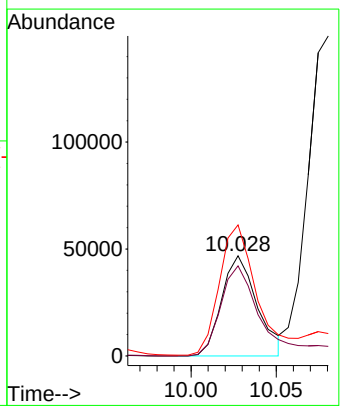
Supervised By :mohammad ahmed 08/21/2024

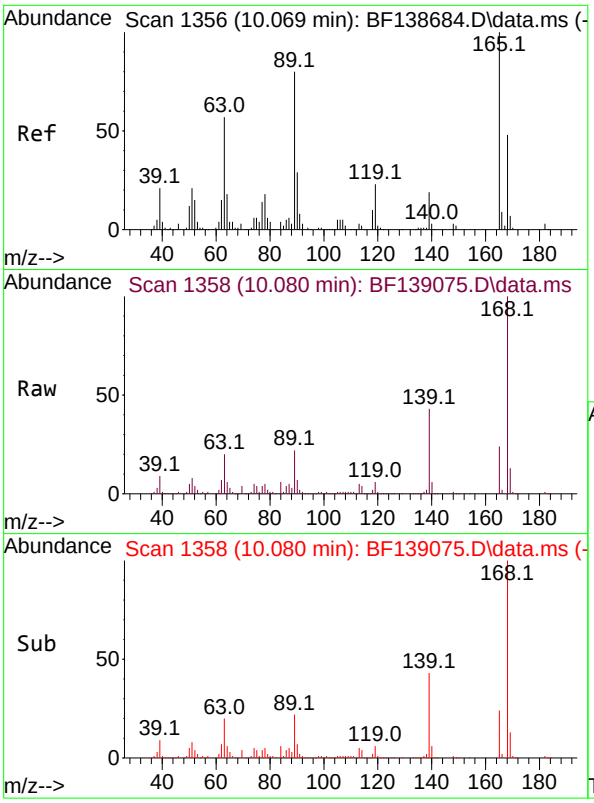


#56
4-Nitrophenol
Concen: 61.827 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:139 Resp: 67847

Ion	Ratio	Lower	Upper
139	100		
109	89.9	55.5	95.5
65	130.9	96.7	136.7

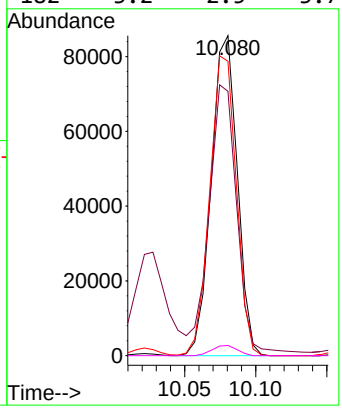




#57
2,4-Dinitrotoluene
Concen: 48.386 ng
RT: 10.080 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:165 Resp: 10897

Ion	Ratio	Lower	Upper
165	100		
63	82.6	46.3	69.5
89	92.0	64.2	96.4
182	3.2	2.5	3.7



Instrument :
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ClientSampleId :
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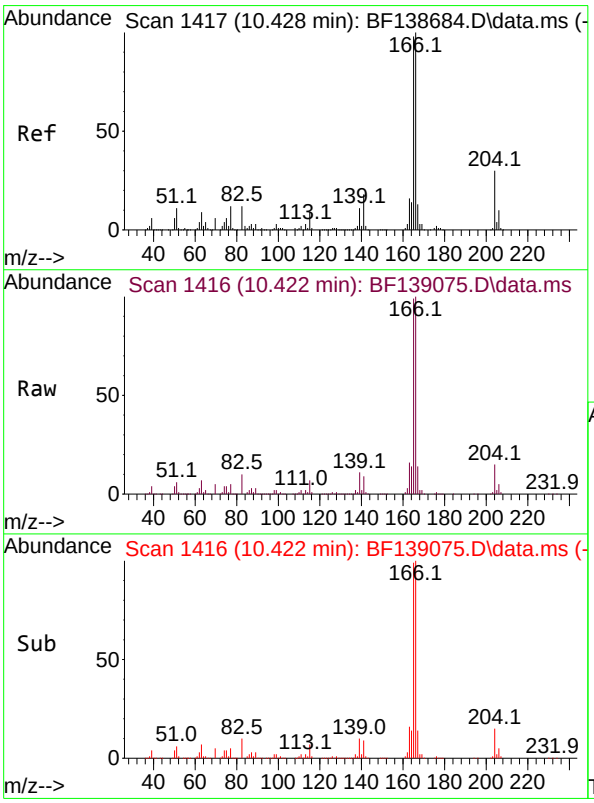
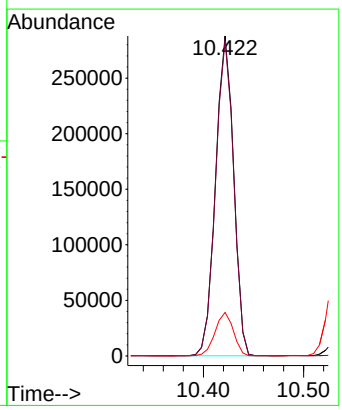
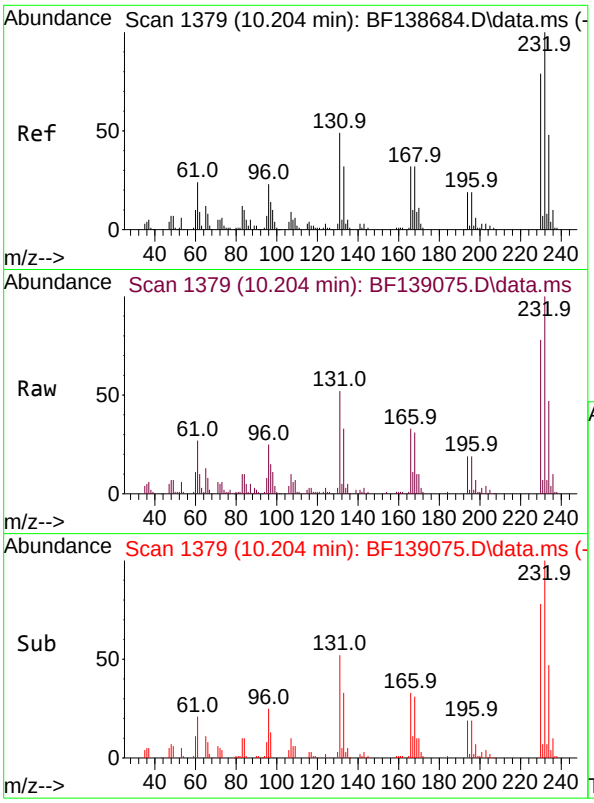


#58
Fluorene
Concen: 47.248 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:166 Resp: 360800

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.4	117.6
167	13.6	10.6	16.0

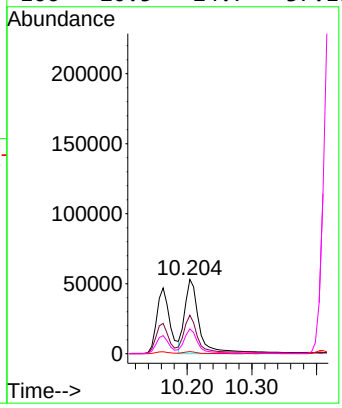




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.246 ng m
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:232 Resp: 8527

Ion	Ratio	Lower	Upper
232	100		
131	34.1	37.0	55.4#
130	2.2	2.0	3.0
166	20.5	24.7	37.1#



Instrument :
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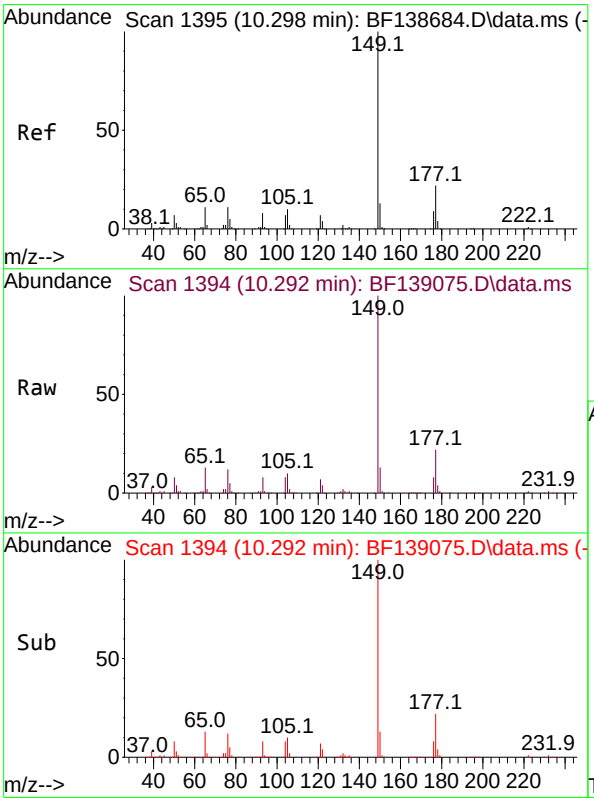
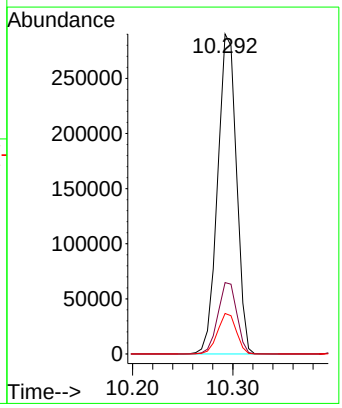
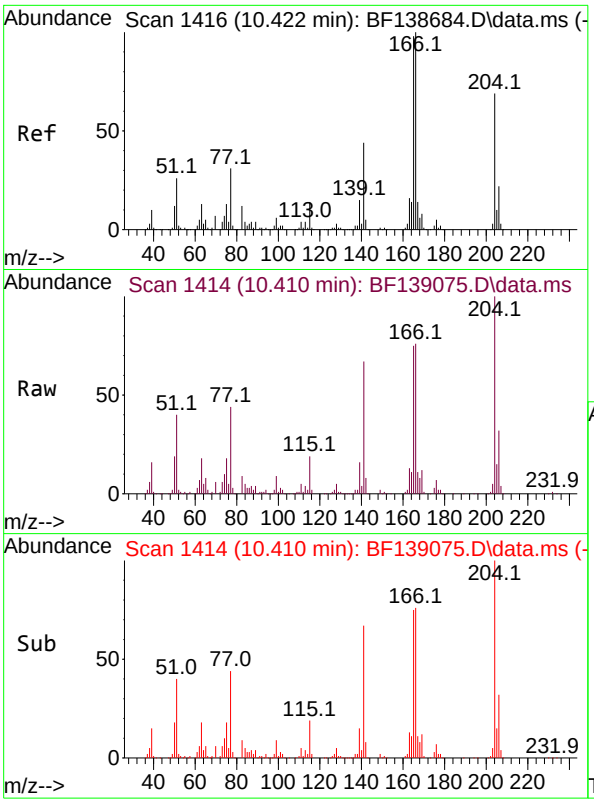


#60
Diethylphthalate
Concen: 51.016 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:149 Resp: 378354

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 48.248 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Instrument :
BNA_F
ClientSampleId :
PB162688BS

Tgt Ion:204 Resp: 18120

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.1	39.1
141	67.0	51.4	77.0

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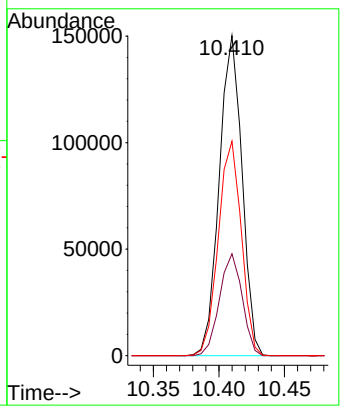
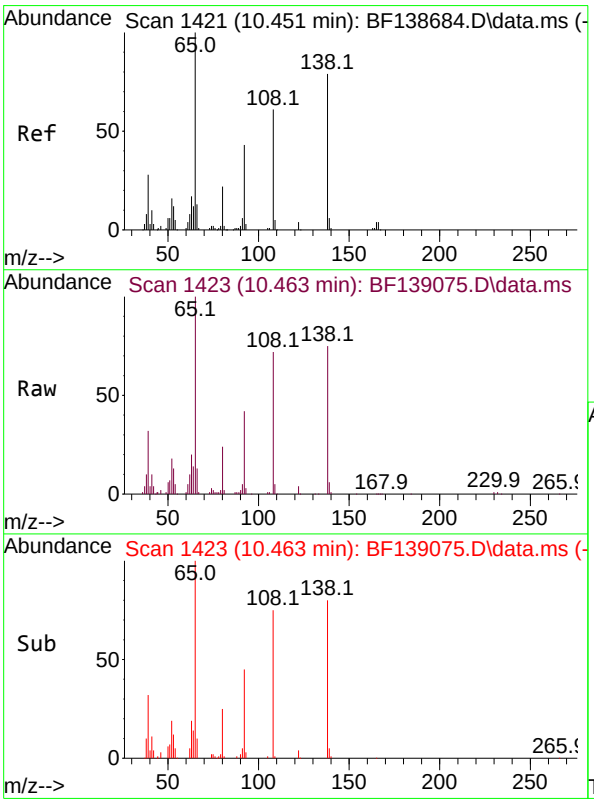
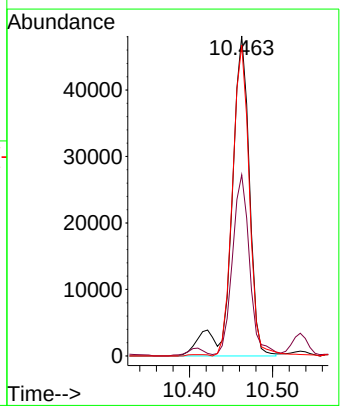


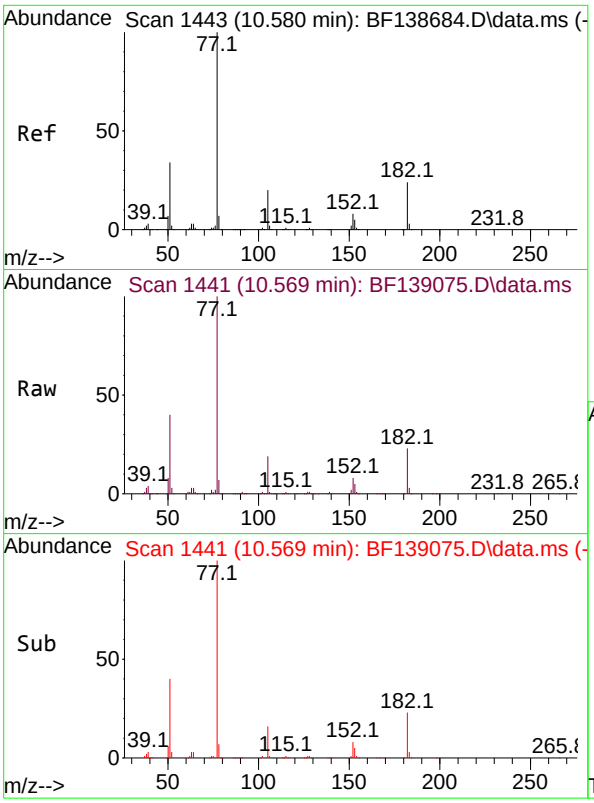


#62
4-Nitroaniline
Concen: 41.353 ng m
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:138 Resp: 71712

Ion	Ratio	Lower	Upper
138	100		
92	56.6	34.2	74.2
108	97.1	56.2	96.2#

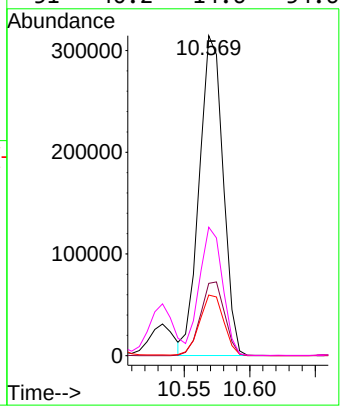




#63
Azobenzene
Concen: 48.313 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion: 77 Resp: 39739

Ion	Ratio	Lower	Upper
77	100		
182	22.6	3.4	43.4
105	19.0	0.2	40.2
51	40.2	14.6	54.6



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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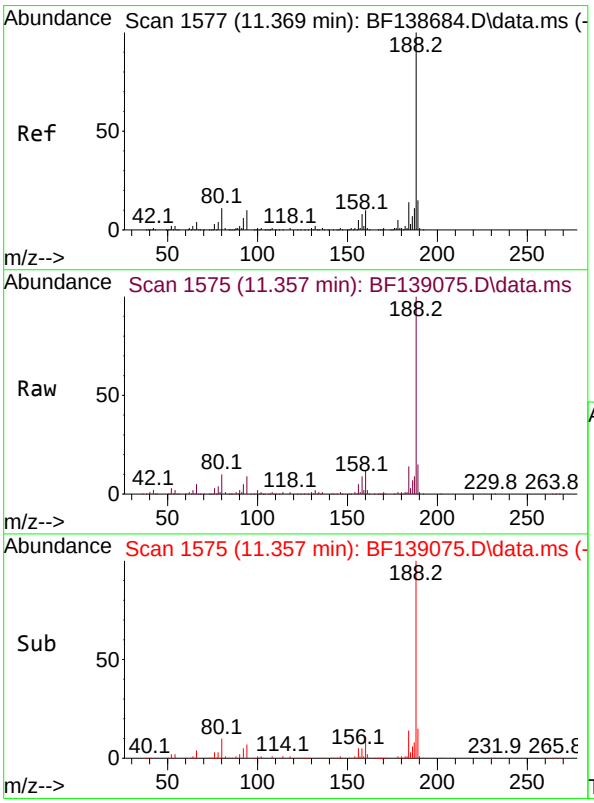
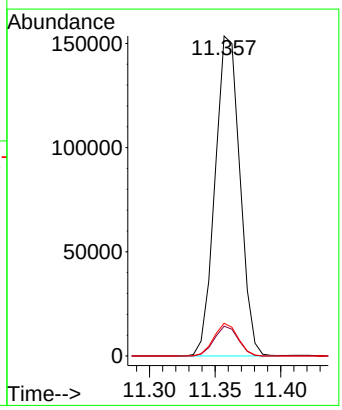
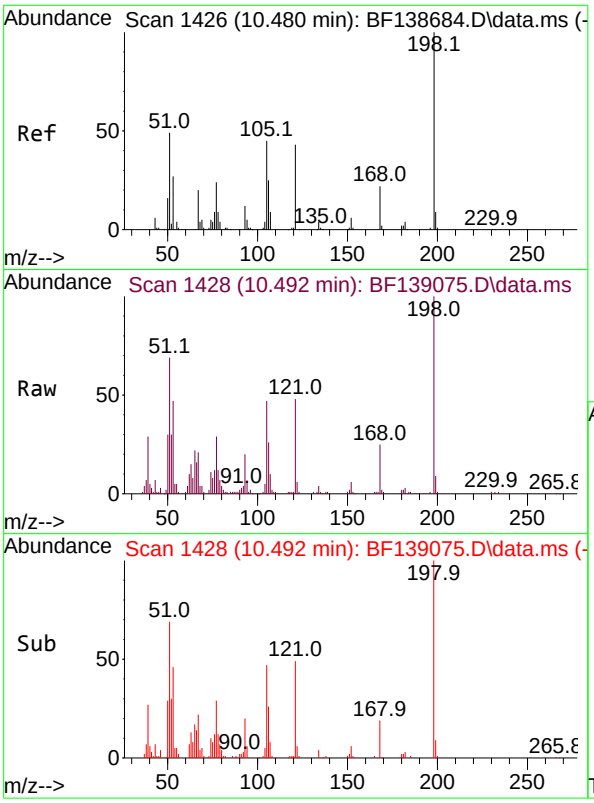


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:188 Resp: 202208

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.6	11.4
80	10.2	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 46.380 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:198 Resp: 5721(

Ion	Ratio	Lower	Upper
198	100		
51	68.8	39.9	79.9
105	46.6	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
PB162688BS

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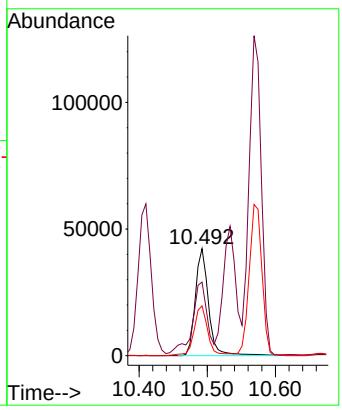
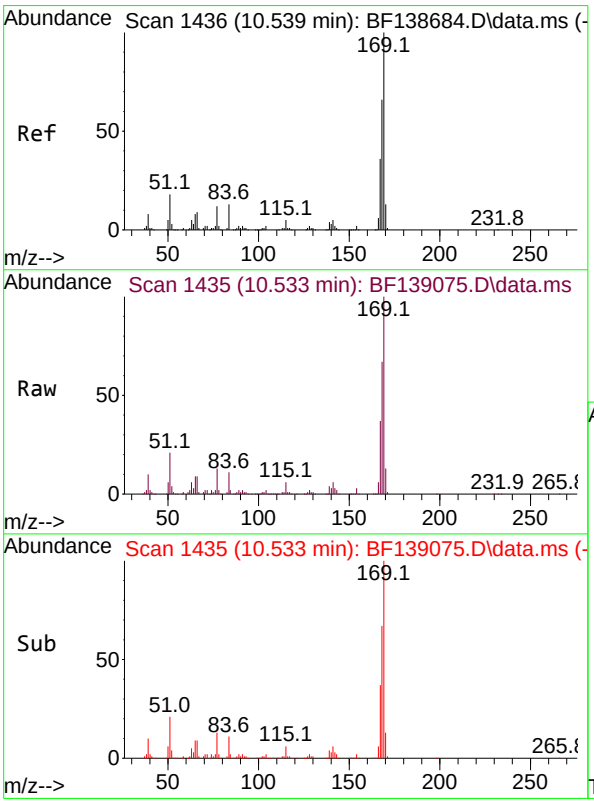
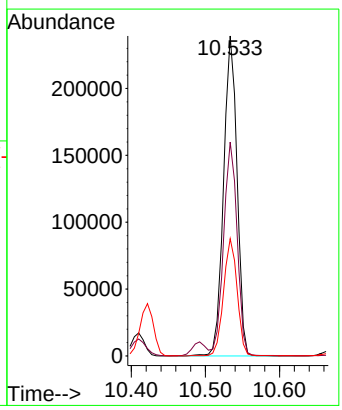


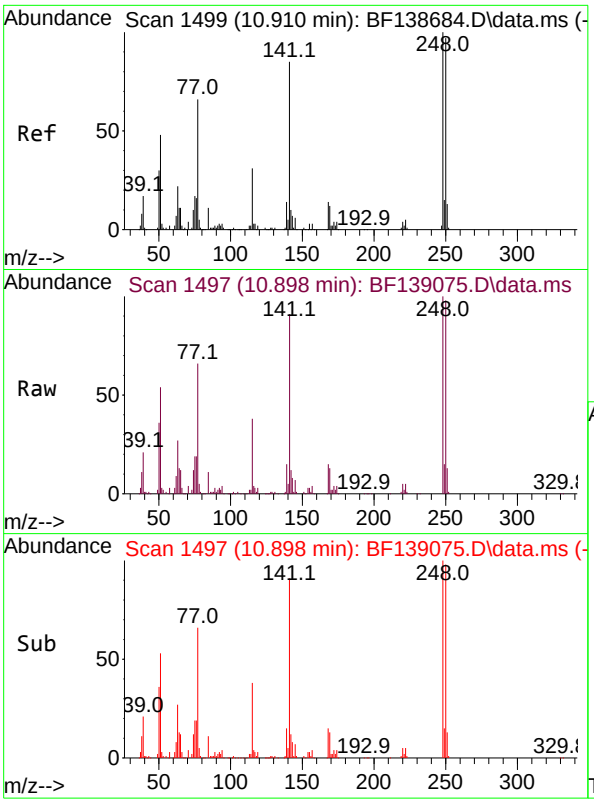


#66
n-Nitrosodiphenylamine
Concen: 47.877 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:169 Resp: 302611

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.6
167	36.6	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 46.241 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:248 Resp: 10123

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.7	116.5
141	91.4	68.0	102.0

Instrument :
BNA_F
ClientSampleId :
PB162688BS

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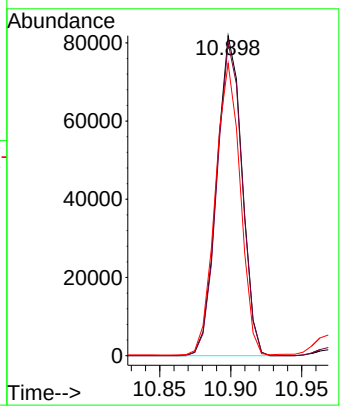
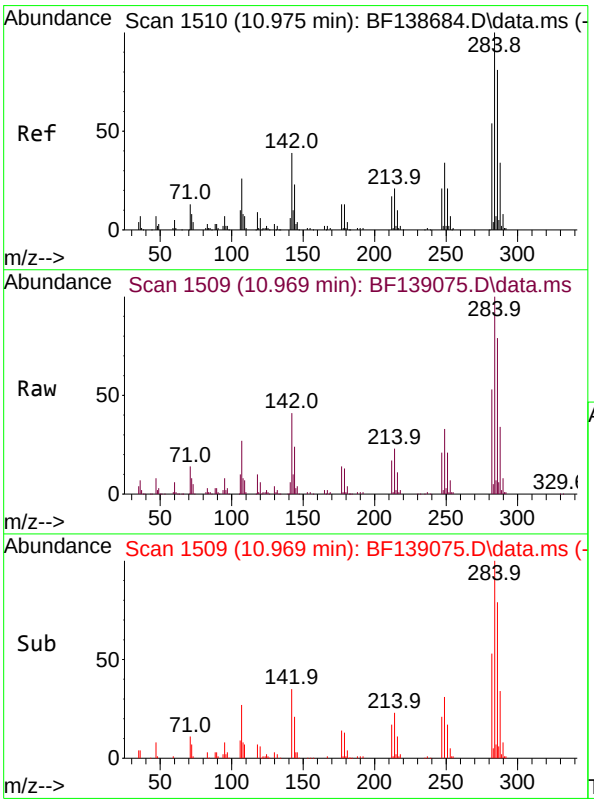
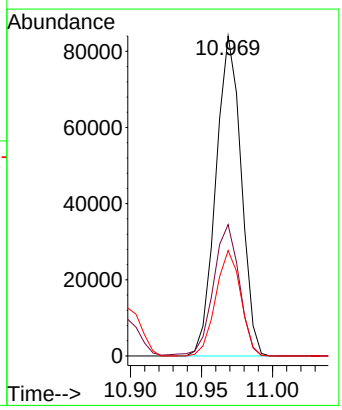


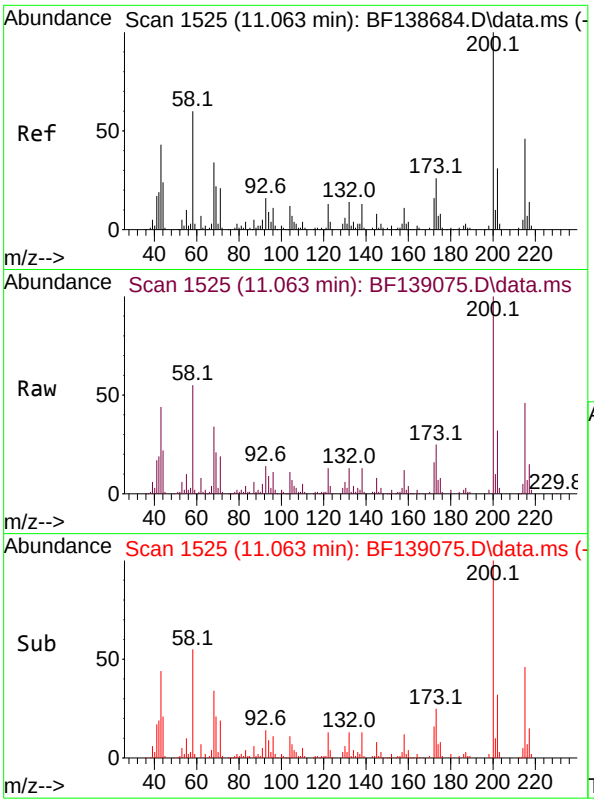


#68
Hexachlorobenzene
Concen: 46.078 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:284 Resp: 104156

Ion	Ratio	Lower	Upper
284	100		
142	41.1	31.3	46.9
249	33.0	27.2	40.8

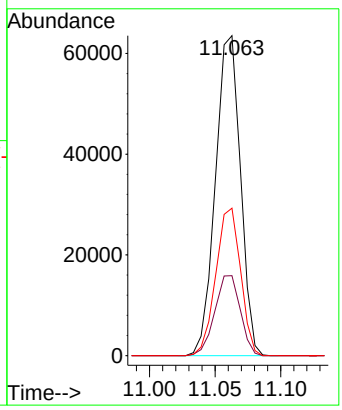




#69
Atrazine
Concen: 51.608 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:200 Resp: 8415

Ion	Ratio	Lower	Upper
200	100		
173	25.0	6.0	46.0
215	46.1	26.1	66.1



Instrument :
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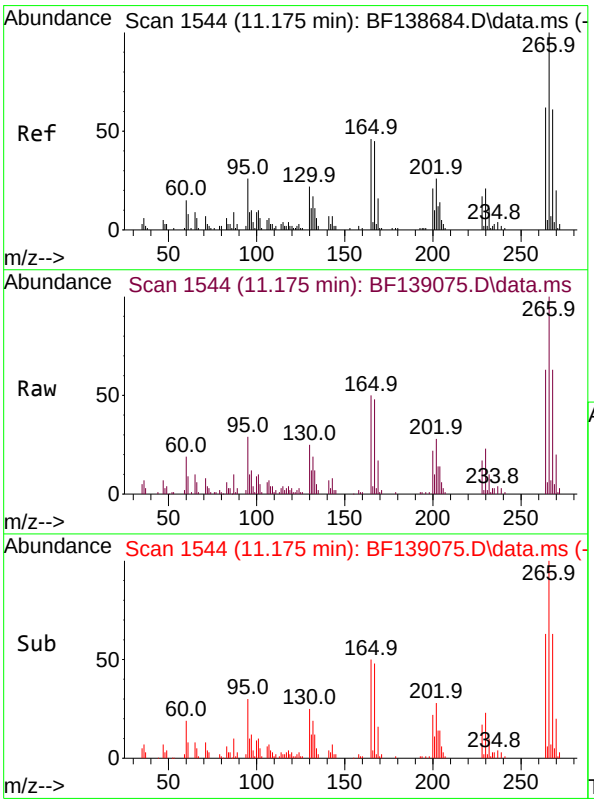
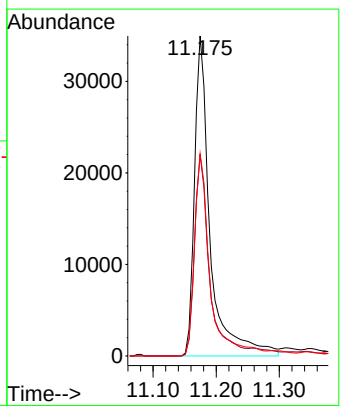
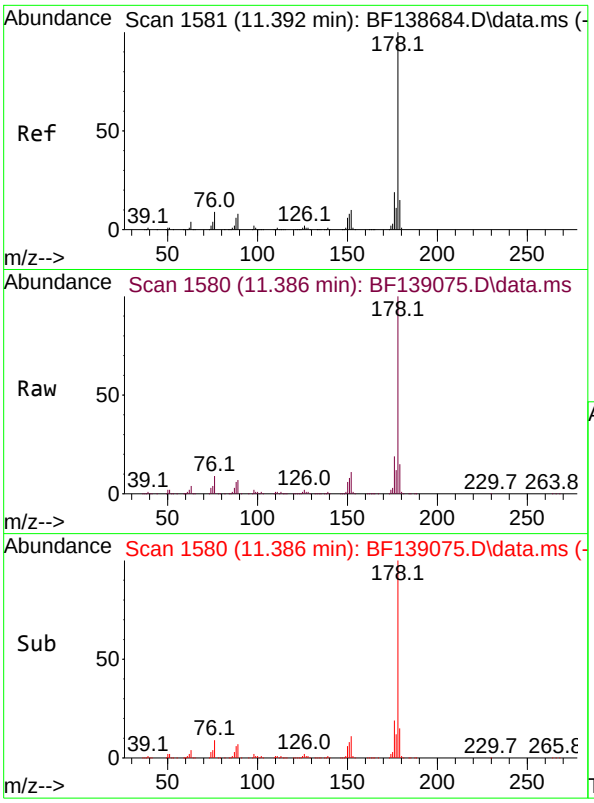


#70
Pentachlorophenol
Concen: 59.266 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:266 Resp: 60385

Ion	Ratio	Lower	Upper
266	100		
268	63.0	49.2	73.8
264	63.2	49.8	74.6

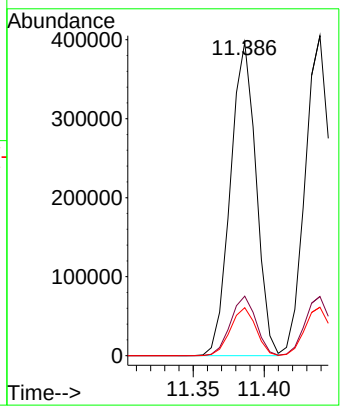




#71
Phenanthrene
Concen: 47.753 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:178 Resp: 49721

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
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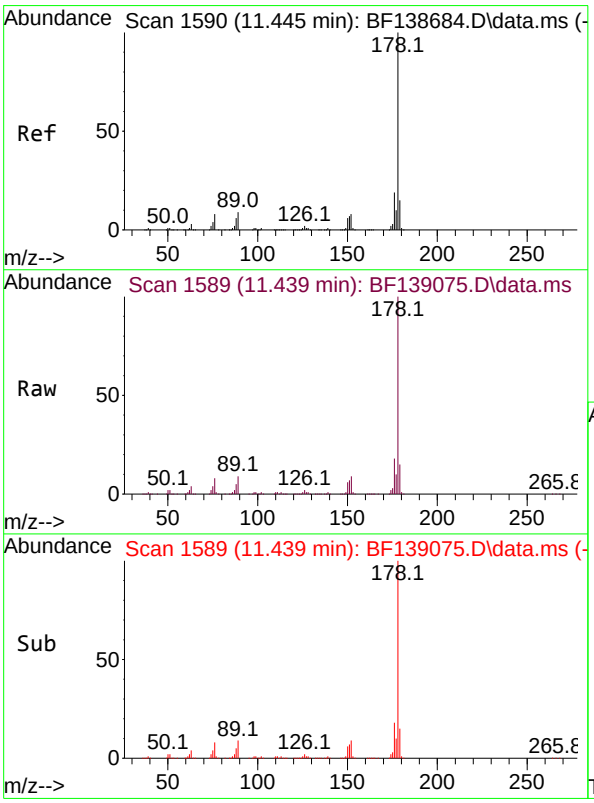
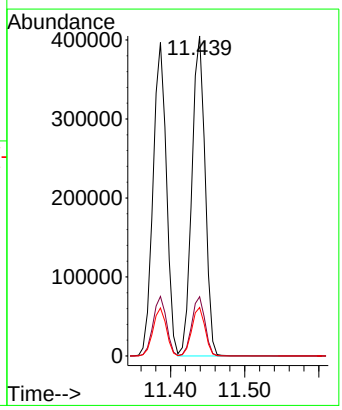
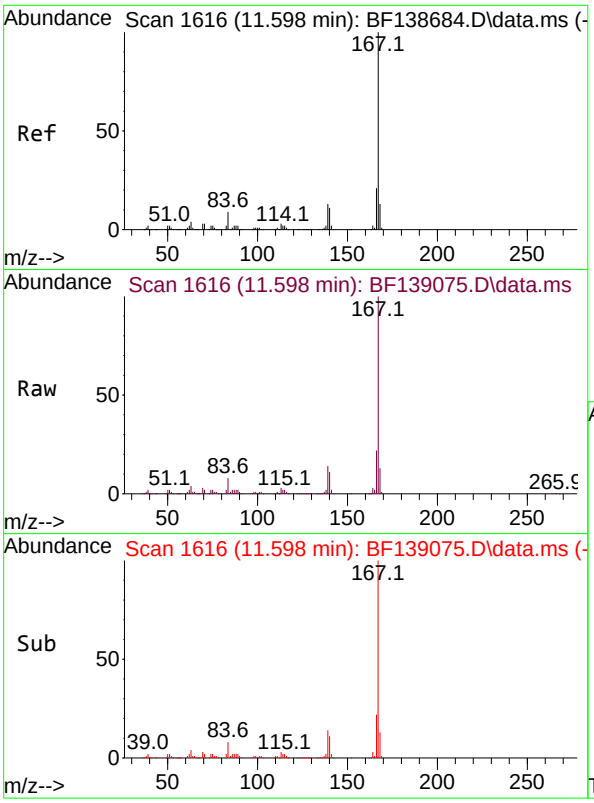


#72
Anthracene
Concen: 48.869 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:178 Resp: 501270

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.2	12.4	18.6





#73
Carbazole
Concen: 45.731 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:167 Resp: 40470

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	14.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
PB162688BS

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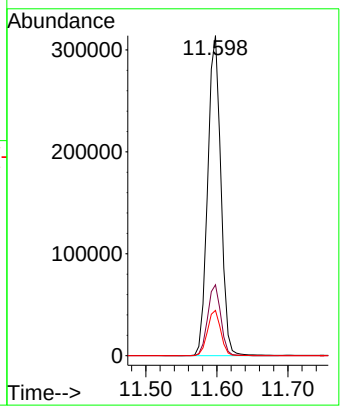
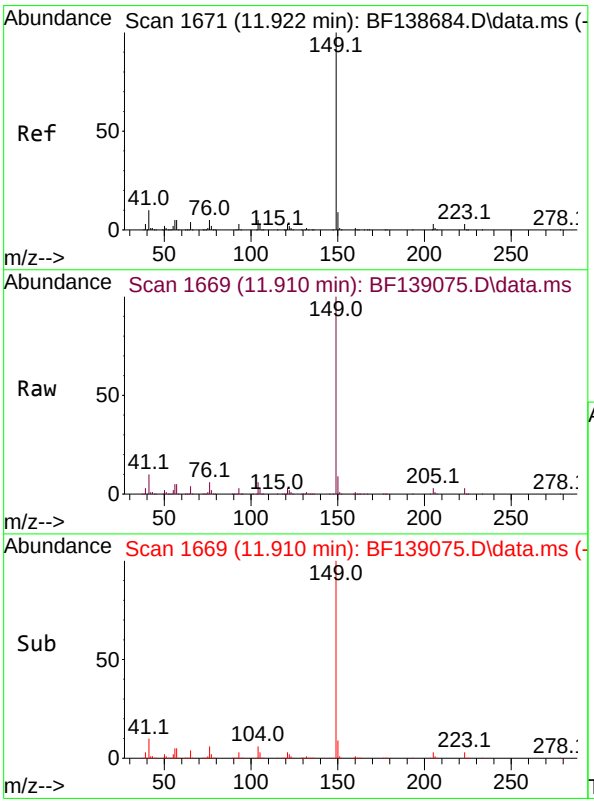
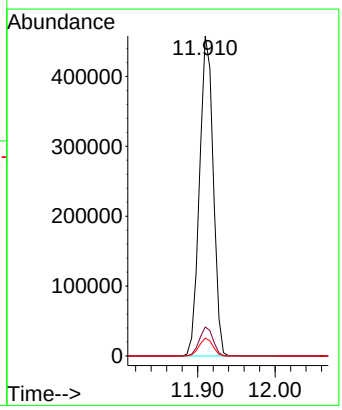


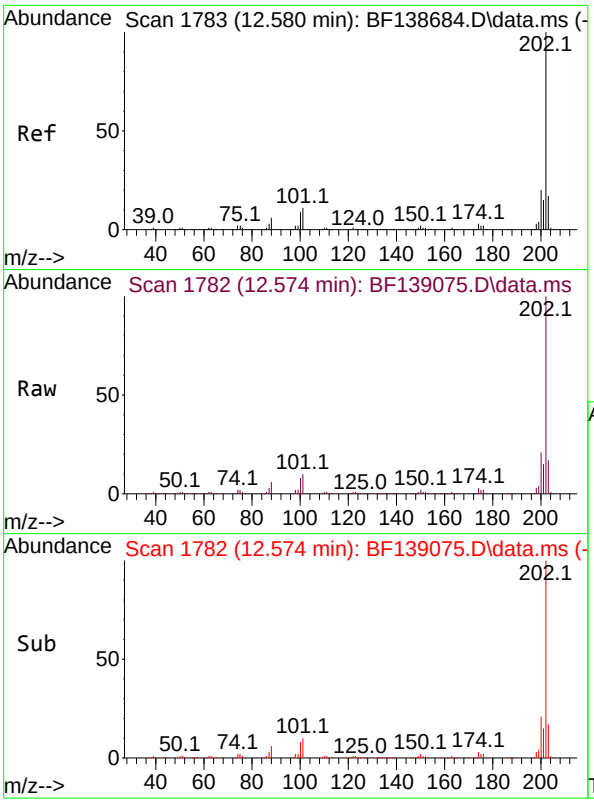


#74
Di-n-butylphthalate
Concen: 56.592 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:149 Resp: 562994

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.6	4.1	6.1

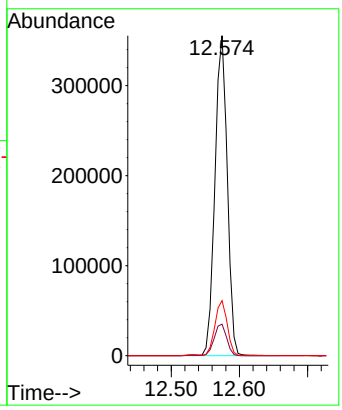




#75
Fluoranthene
Concen: 46.050 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:202 Resp: 44761

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.2
203	17.2	0.0	37.3



Instrument :
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ClientSampleId :
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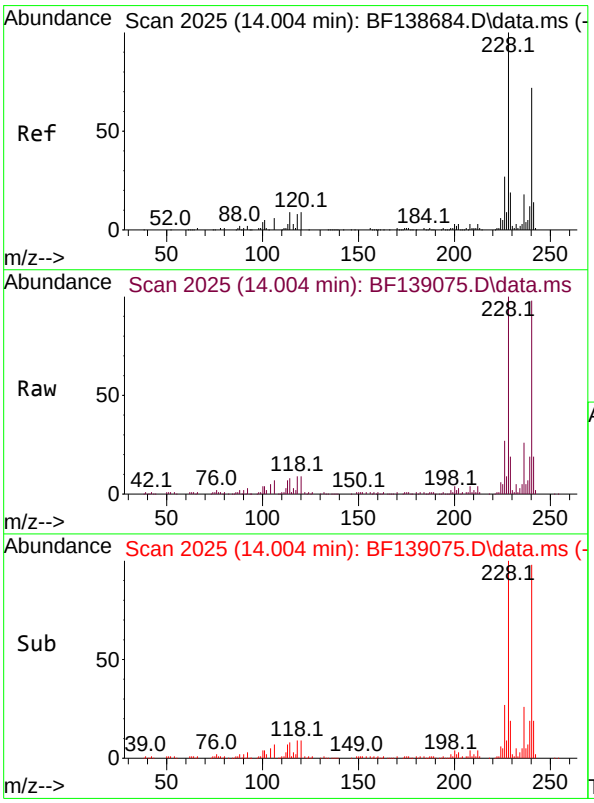
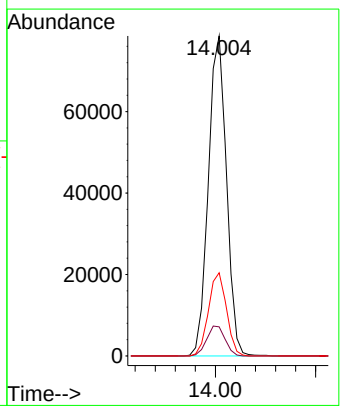
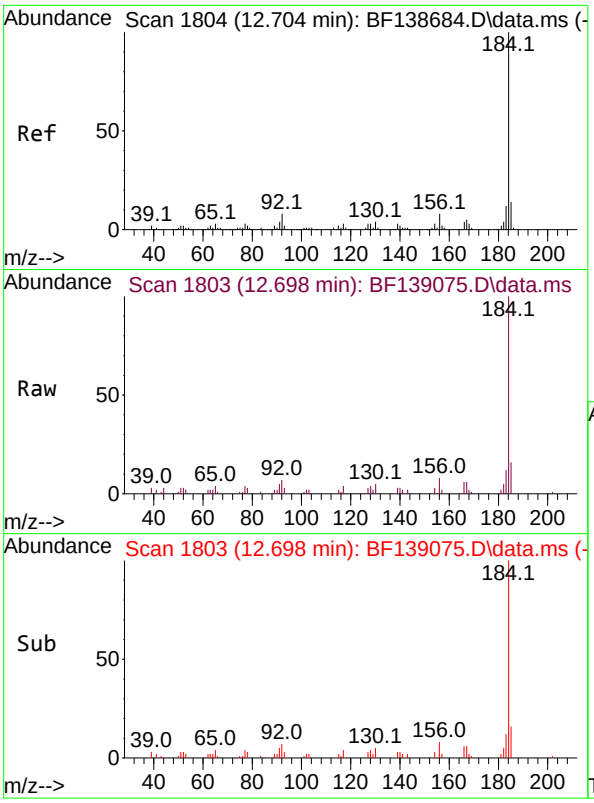


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:240 Resp: 98718

Ion	Ratio	Lower	Upper
240	100		
120	9.1	10.2	15.4#
236	26.0	19.8	29.8





#77
Benzidine
Concen: 10.106 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:184 Resp: 2386

Ion	Ratio	Lower	Upper
184	100		
185	15.7	11.1	16.7
183	12.1	9.6	14.4

Instrument :
BNA_F
ClientSampleId :
PB162688BS

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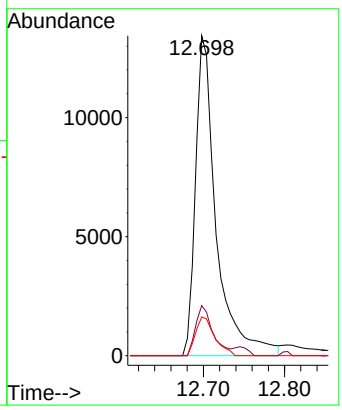
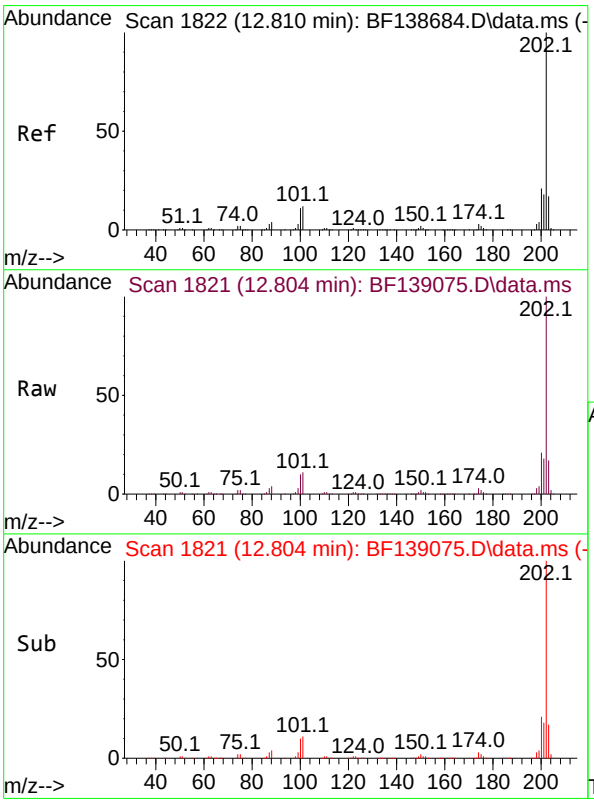
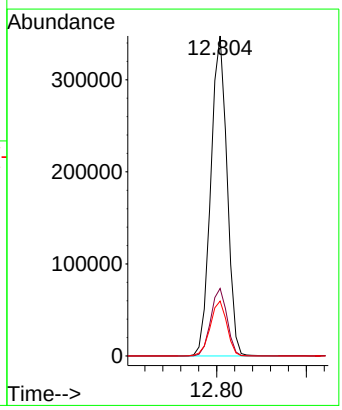


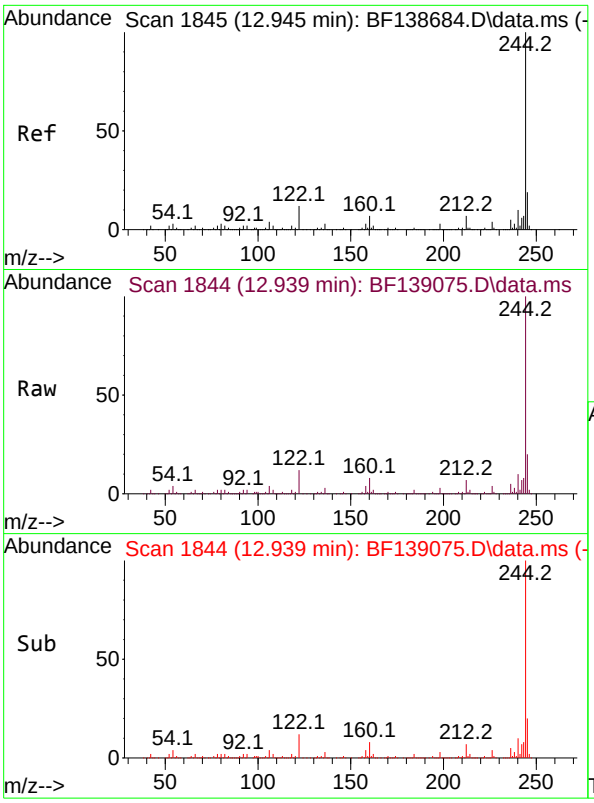


#78
Pyrene
Concen: 47.041 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:202 Resp: 437225

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.1	13.8	20.6

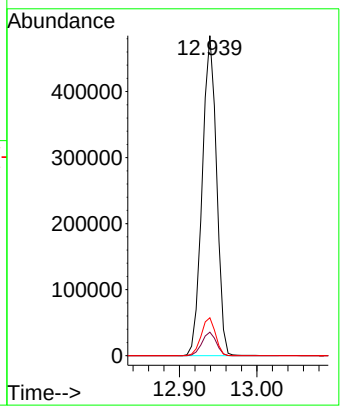




#79
Terphenyl-d14
Concen: 105.686 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:244 Resp: 62314

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	11.8	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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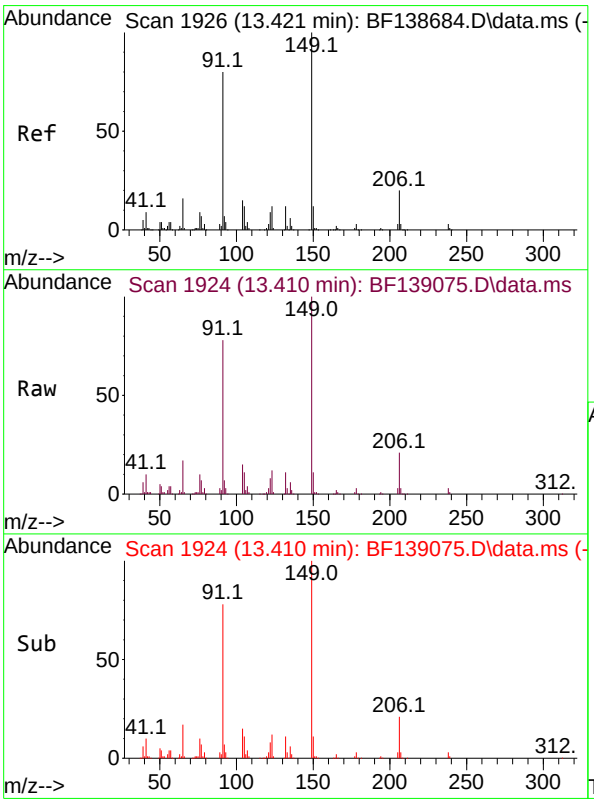
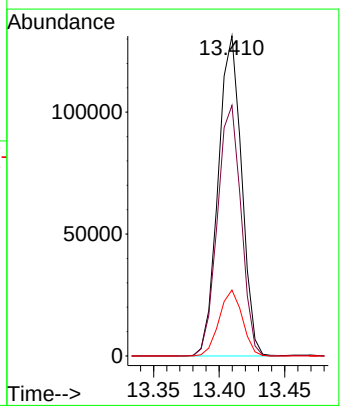
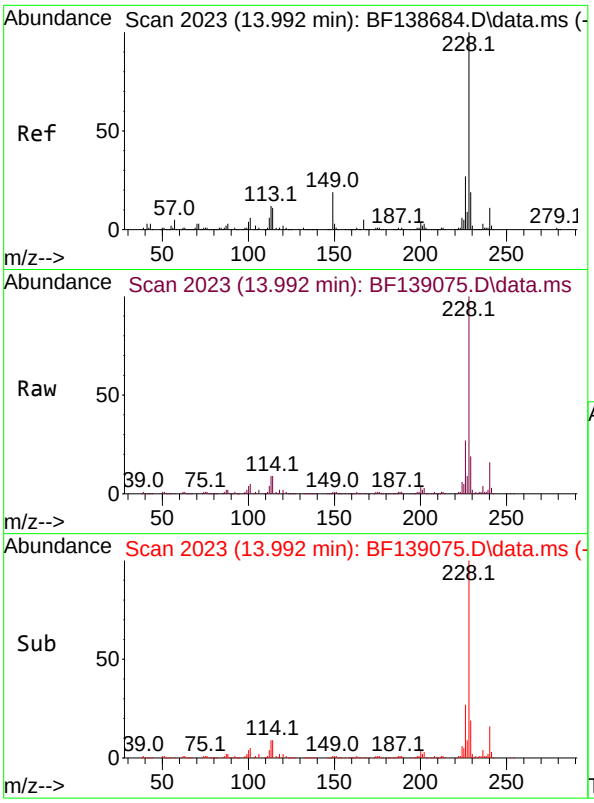


#80
Butylbenzylphthalate
Concen: 54.799 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:149 Resp: 163104

Ion	Ratio	Lower	Upper
149	100		
91	78.3	63.7	95.5
206	20.6	16.2	24.2

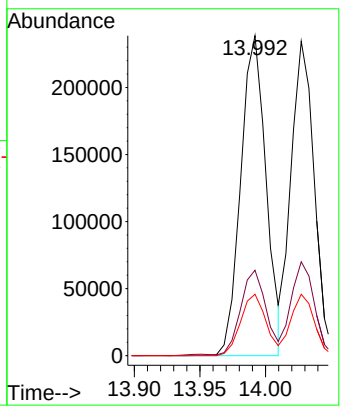




#81
Benzo(a)anthracene
Concen: 47.277 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:228 Resp: 32138

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.1	33.1
229	19.2	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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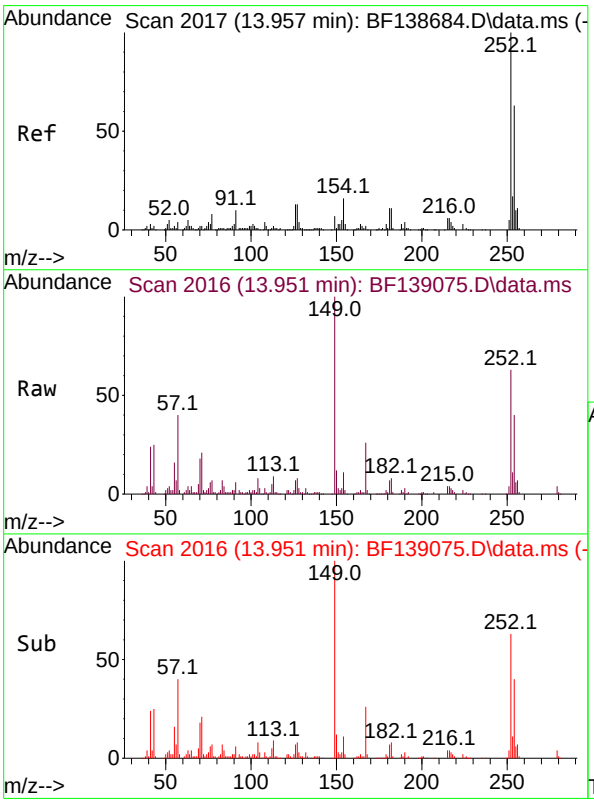
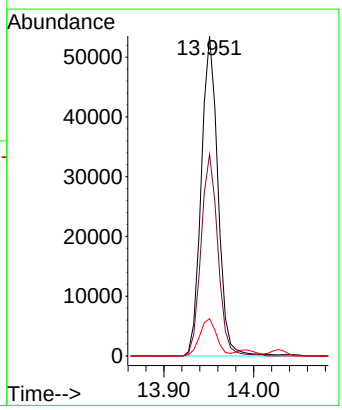
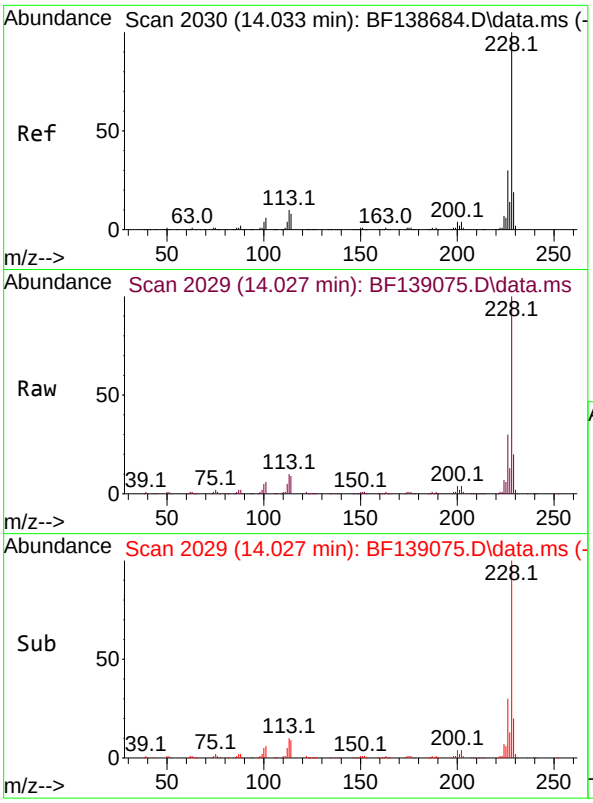


#82
3,3'-Dichlorobenzidine
Concen: 39.774 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:252 Resp: 69191

Ion	Ratio	Lower	Upper
252	100		
254	63.0	50.8	76.2
126	11.7	10.2	15.2

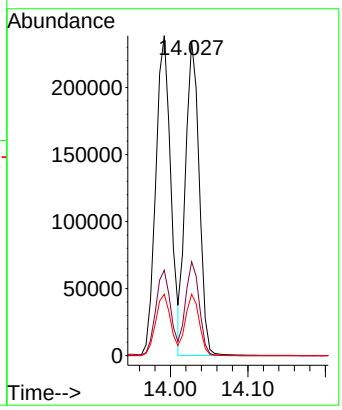




#83
Chrysene
Concen: 47.003 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:228 Resp: 28827

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	19.6	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
PB162688BS

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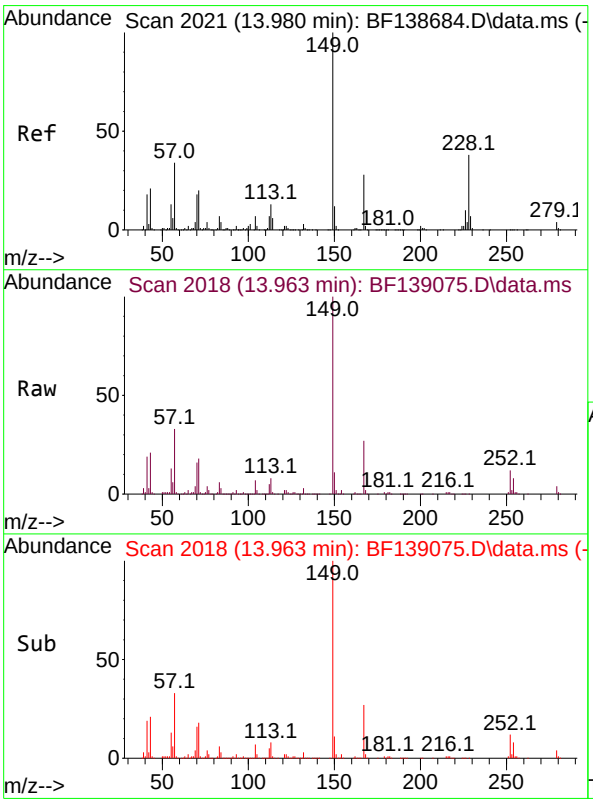
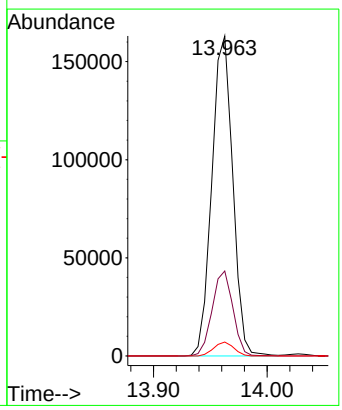
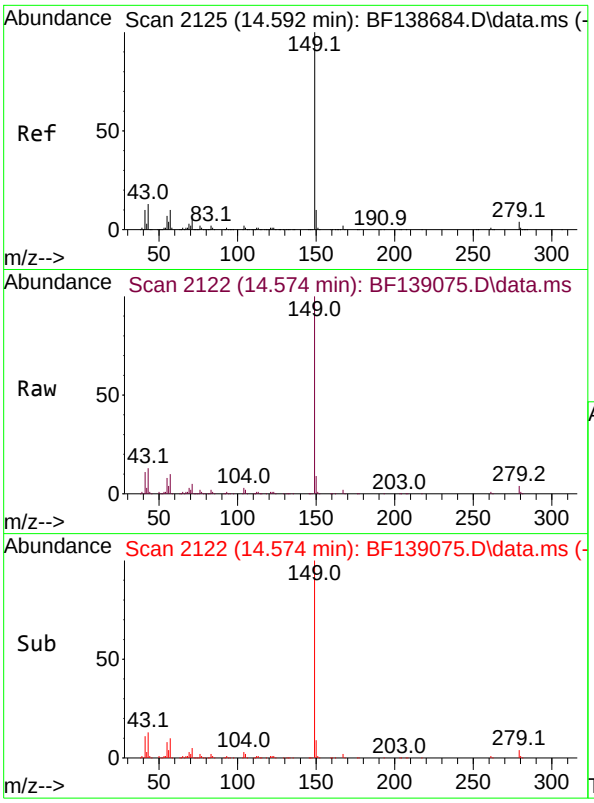


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.867 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:149 Resp: 208625

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.4
279	4.4	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 41.955 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:149 Resp: 33831

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.5	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
PB162688BS

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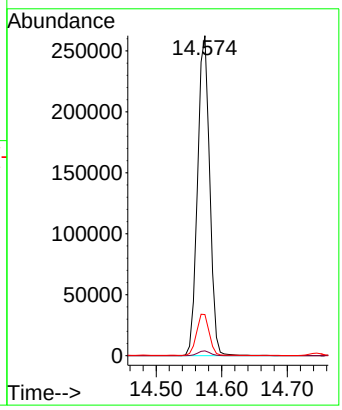
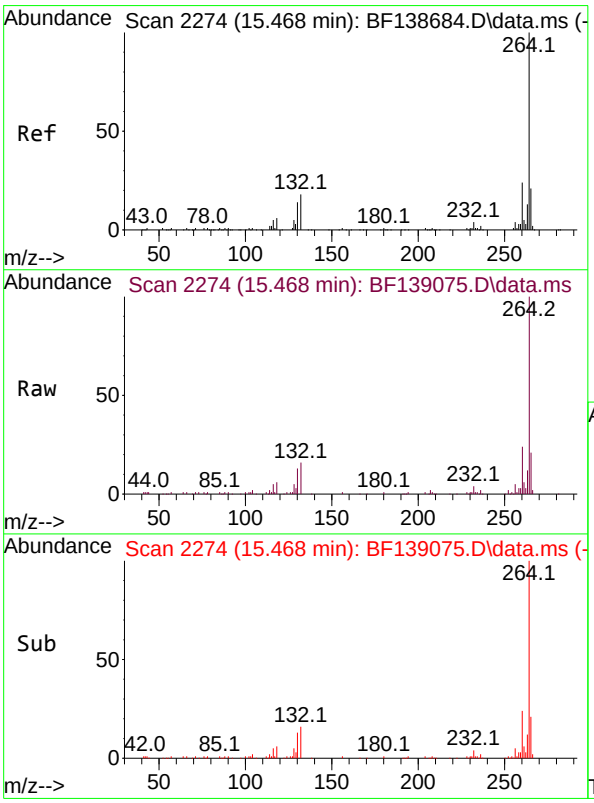
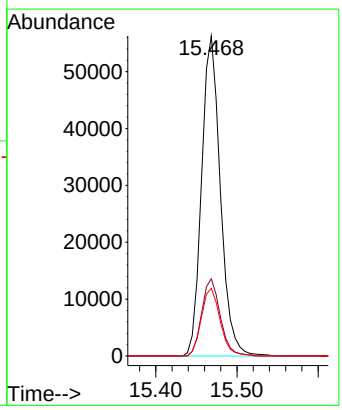


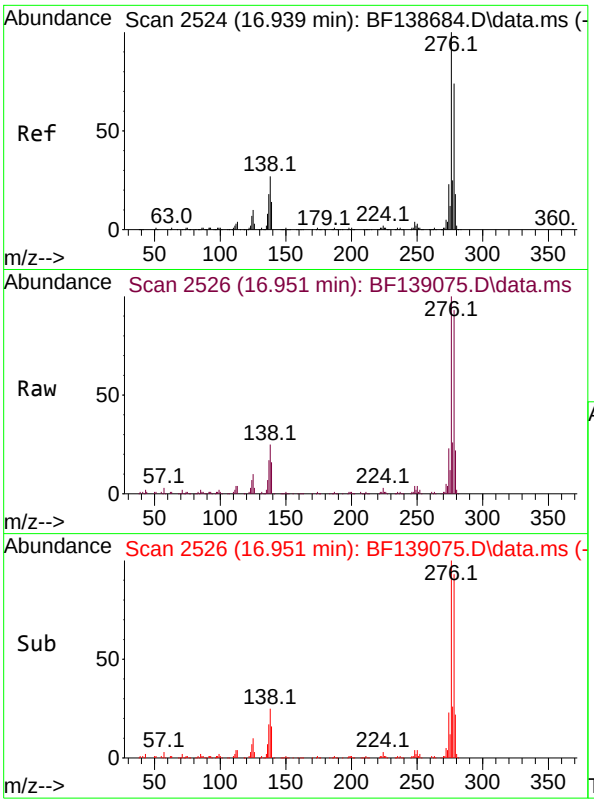


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:264 Resp: 90220

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	21.1	17.0	25.6

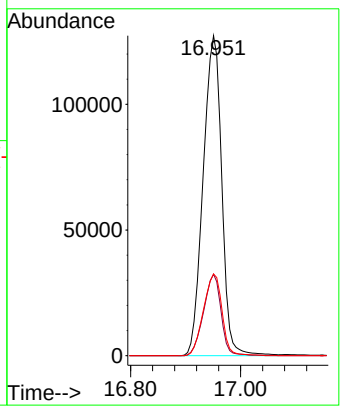




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.299 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:276 Resp: 29934

Ion	Ratio	Lower	Upper
276	100		
138	23.9	21.8	32.8
277	25.4	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
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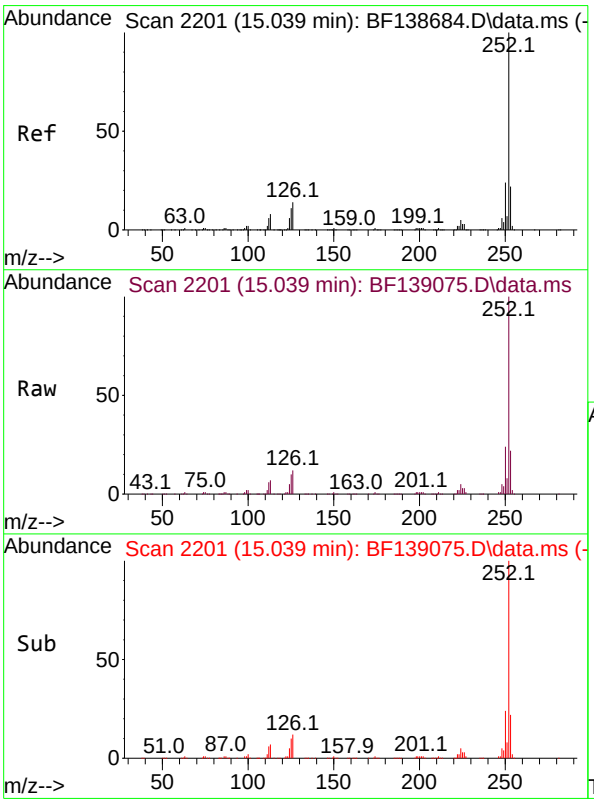
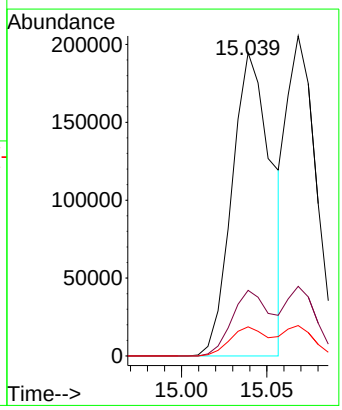
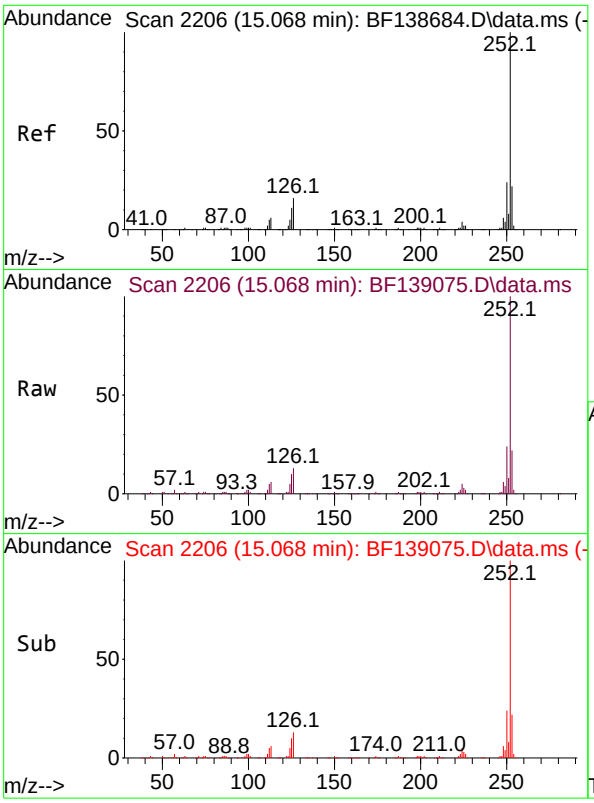


#88
Benzo(b)fluoranthene
Concen: 55.873 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:252 Resp: 312486

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	9.6	8.9	13.3

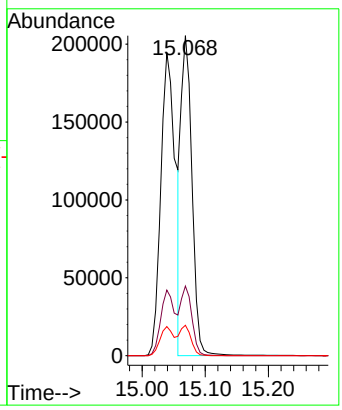




#89
Benzo(k)fluoranthene
Concen: 51.190 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:252 Resp: 24787

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.5	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
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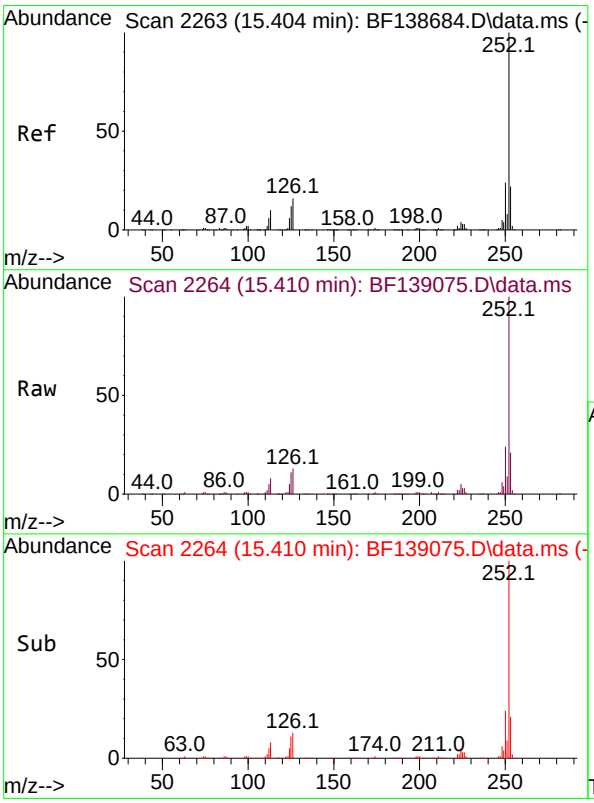
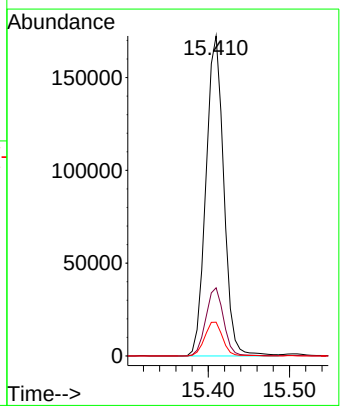
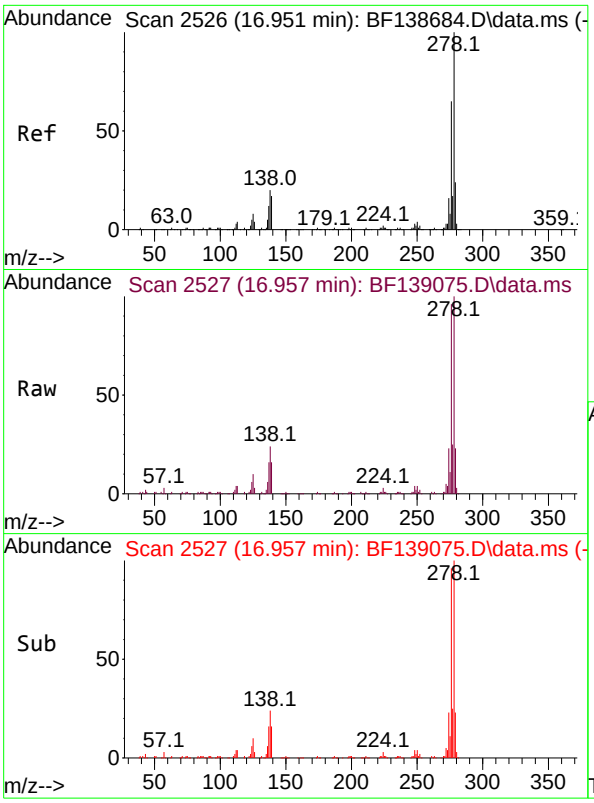


#90
Benzo(a)pyrene
Concen: 55.744 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:252 Resp: 262237

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	10.6	9.5	14.3

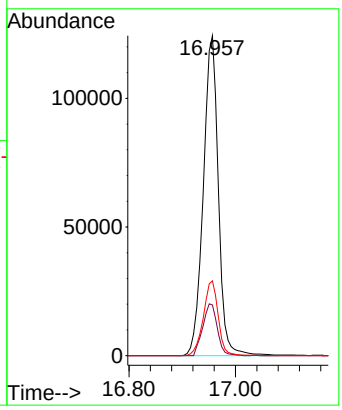




#91
Dibenzo(a,h)anthracene
Concen: 45.954 ng
RT: 16.957 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:278 Resp: 24389

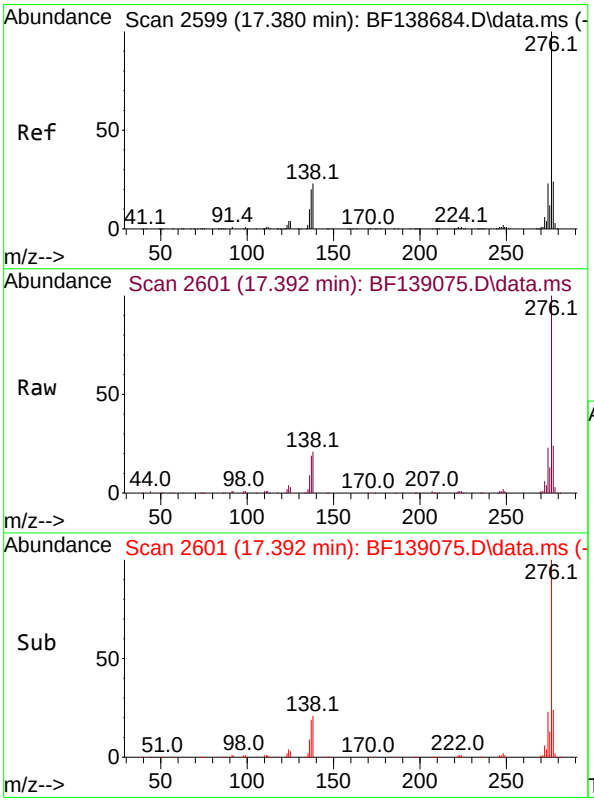
Ion	Ratio	Lower	Upper
278	100		
139	15.8	14.0	21.0
279	23.4	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
PB162688BS

Manual Integrations
APPROVED

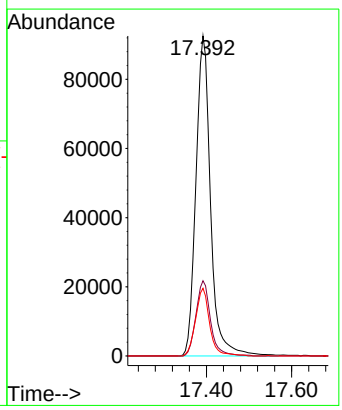
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#92
Benzo(g,h,i)perylene
Concen: 40.059 ng
RT: 17.392 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF139075.D
Acq: 19 Aug 2024 15:47

Tgt Ion:276 Resp: 220624

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	21.1	18.5	27.7



Raw Data: **BF139116.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162687BSD	SDG No.:	P3573
Lab Sample ID:	PB162687BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139116.D	1	08/13/24 08:33	08/22/24 11:53	PB162687

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
56-55-3	Benzo(a)anthracene	49.0		0.94	5.00	ug/L
50-32-8	Benzo(a)pyrene	52.1		1.70	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.4		1.20	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.5		30 (52) - 130 (132)	91%	SPK: 100
1718-51-0	Terphenyl-d14	106		30 (48) - 130 (125)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	98600	6.898			
1146-65-2	Naphthalene-d8	366000	8.181			
15067-26-2	Acenaphthene-d10	214000	9.939			
1517-22-2	Phenanthrene-d10	389000	11.421			
1719-03-5	Chrysene-d12	243000	14.062			
1520-96-3	Perylene-d12	204000	15.533			

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\BF082224\
Data File : BF139116.D
Acq On : 22 Aug 2024 11:53
Operator : RC/JU
Sample : PB162687BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 22 12:42:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	98594	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	365831	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	213614	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	389288	20.000	ng	0.00
76) Chrysene-d12	14.062	240	242651	20.000	ng	0.00
86) Perylene-d12	15.533	264	204282	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	831786	129.797	ng	0.02
7) Phenol-d6	6.528	99	1082504	130.730	ng	0.00
23) Nitrobenzene-d5	7.463	82	714781	113.851	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	319126	165.024	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1231363	91.459	ng	0.00
79) Terphenyl-d14	13.010	244	1545396	105.677	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.799	88	100483	36.558	ng	98
3) Pyridine	3.534	79	282409	40.433	ng	100
4) n-Nitrosodimethylamine	3.493	42	183580	43.509	ng	100
6) Aniline	6.563	93	352577	47.166	ng	99
8) 2-Chlorophenol	6.681	128	294505	47.780	ng	97
9) Benzaldehyde	6.451	77	220292	45.361	ng	100
10) Phenol	6.539	94	406662	47.200	ng	96
11) bis(2-Chloroethyl)ether	6.634	93	297975	43.006	ng	99
12) 1,3-Dichlorobenzene	6.839	146	325733	43.953	ng	100
13) 1,4-Dichlorobenzene	6.916	146	328153	44.287	ng	99
14) 1,2-Dichlorobenzene	7.069	146	315262	46.554	ng	99
15) Benzyl Alcohol	7.039	79	317265	48.478	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	451104	46.219	ng	99
17) 2-Methylphenol	7.145	107	248031	47.036	ng	97
18) Hexachloroethane	7.410	117	118522	45.615	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	245572	45.160	ng	98
20) 3+4-Methylphenols	7.298	107	317662	46.495	ng	97
22) Acetophenone	7.310	105	435271	46.599	ng	97
24) Nitrobenzene	7.481	77	364723	52.264	ng	100
25) Isophorone	7.722	82	648250	48.579	ng	99
26) 2-Nitrophenol	7.798	139	142263	57.242	ng	98
27) 2,4-Dimethylphenol	7.833	122	239009	56.483	ng	99
28) bis(2-Chloroethoxy)met...	7.933	93	357324	45.828	ng	99
29) 2,4-Dichlorophenol	8.033	162	254389	48.256	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	268535	43.503	ng	99
31) Naphthalene	8.204	128	848193	45.753	ng	100
32) Benzoic acid	7.951	122	179295	50.380	ng	98
33) 4-Chloroaniline	8.245	127	123695	19.483	ng	99
34) Hexachlorobutadiene	8.322	225	180247	44.700	ng	99
35) Caprolactam	8.622	113	83684m	50.070	ng	
36) 4-Chloro-3-methylphenol	8.728	107	286601	49.101	ng	100
37) 2-Methylnaphthalene	8.892	142	562078	47.269	ng	100
38) 1-Methylnaphthalene	8.992	142	518293	45.162	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	277079	47.648	ng	98
41) Hexachlorocyclopentadiene	9.045	237	384938	171.260	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	195540	49.546	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139116.D
Acq On : 22 Aug 2024 11:53
Operator : RC/JU
Sample : PB162687BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 22 12:42:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	198415	48.979	ng		100
46) 1,1'-Biphenyl	9.357	154	696322	47.586	ng		100
47) 2-Chloronaphthalene	9.380	162	536971	45.162	ng		99
48) 2-Nitroaniline	9.475	65	194753	56.072	ng		99
49) Acenaphthylene	9.798	152	864839	50.777	ng		100
50) Dimethylphthalate	9.663	163	664451	50.384	ng		99
51) 2,6-Dinitrotoluene	9.722	165	142379	53.277	ng		96
52) Acenaphthene	9.975	154	613312	54.513	ng		98
53) 3-Nitroaniline	9.886	138	91531	35.398	ng	#	97
54) 2,4-Dinitrophenol	9.992	184	149588	107.436	ng	#	53
55) Dibenzofuran	10.145	168	789610	48.319	ng		99
56) 4-Nitrophenol	10.045	139	243217	122.011	ng		99
57) 2,4-Dinitrotoluene	10.122	165	198813	58.571	ng		98
58) Fluorene	10.486	166	618565	47.364	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	178668	54.930	ng		99
60) Diethylphthalate	10.363	149	657819	50.343	ng		100
61) 4-Chlorophenyl-phenyle...	10.480	204	309045	47.381	ng		99
62) 4-Nitroaniline	10.504	138	142902	52.423	ng		99
63) Azobenzene	10.639	77	705585	48.591	ng		98
65) 4,6-Dinitro-2-methylph...	10.527	198	97927	63.065	ng		98
66) n-Nitrosodiphenylamine	10.598	169	547650	47.544	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	198419	48.101	ng		97
68) Hexachlorobenzene	11.027	284	208797	47.181	ng		98
69) Atrazine	11.127	200	199004	56.569	ng		100
70) Pentachlorophenol	11.221	266	282024	99.765	ng		99
71) Phenanthrene	11.451	178	945398	47.779	ng		100
72) Anthracene	11.498	178	959275	49.573	ng		100
73) Carbazole	11.651	167	842139	46.606	ng		99
74) Di-n-butylphthalate	11.986	149	1022711	48.812	ng		100
75) Fluoranthene	12.633	202	979592	46.384	ng		100
77) Benzidine	12.757	184	379731	75.760	ng		99
78) Pyrene	12.863	202	999478	49.358	ng		100
80) Butylbenzylphthalate	13.486	149	383145	54.691	ng		98
81) Benzo(a)anthracene	14.051	228	781103	48.969	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	146719	32.907	ng		98
83) Chrysene	14.086	228	728930	50.417	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	508659	54.769	ng		100
85) Di-n-octyl phthalate	14.662	149	732449	56.191	ng		99
87) Indeno(1,2,3-cd)pyrene	17.027	276	642904	53.774	ng		99
88) Benzo(b)fluoranthene	15.104	252	647901	48.649	ng		99
89) Benzo(k)fluoranthene	15.133	252	542228	48.884	ng		100
90) Benzo(a)pyrene	15.474	252	547775	52.053	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	524128	53.405	ng		99
92) Benzo(g,h,i)perylene	17.474	276	472711	42.498	ng		99

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

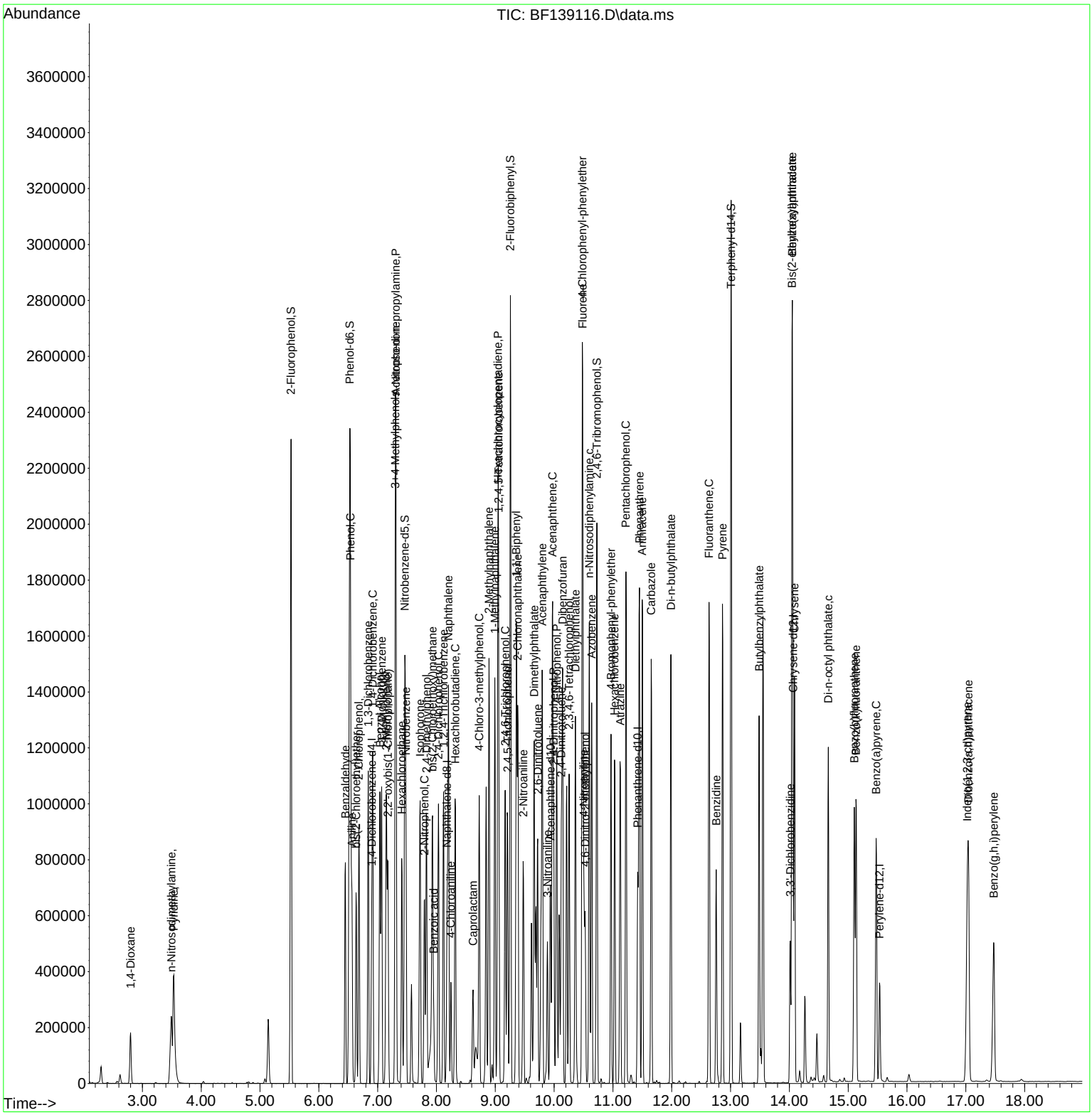
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139116.D
Acq On : 22 Aug 2024 11:53
Operator : RC/JU
Sample : PB162687BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

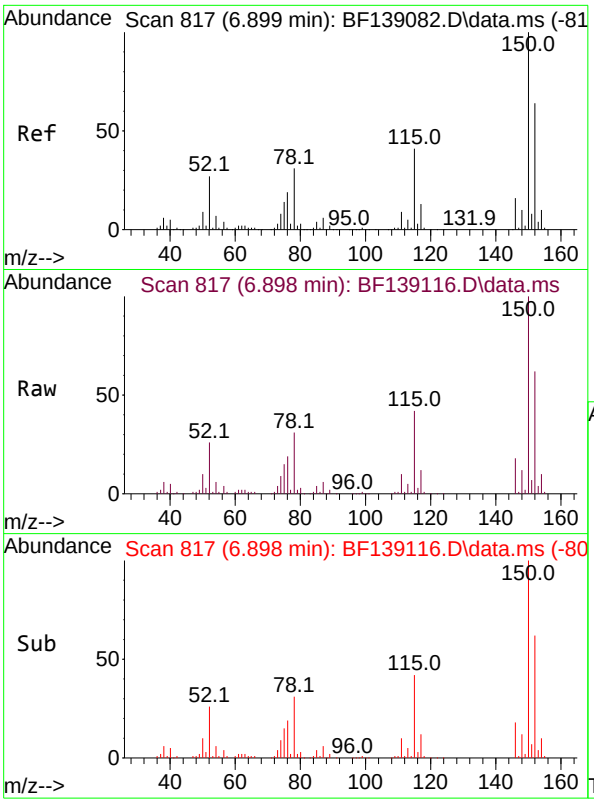
Quant Time: Aug 22 12:42:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

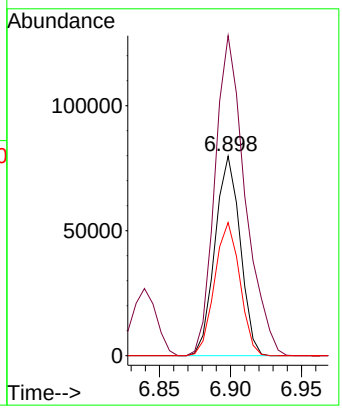




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:152 Resp: 9859

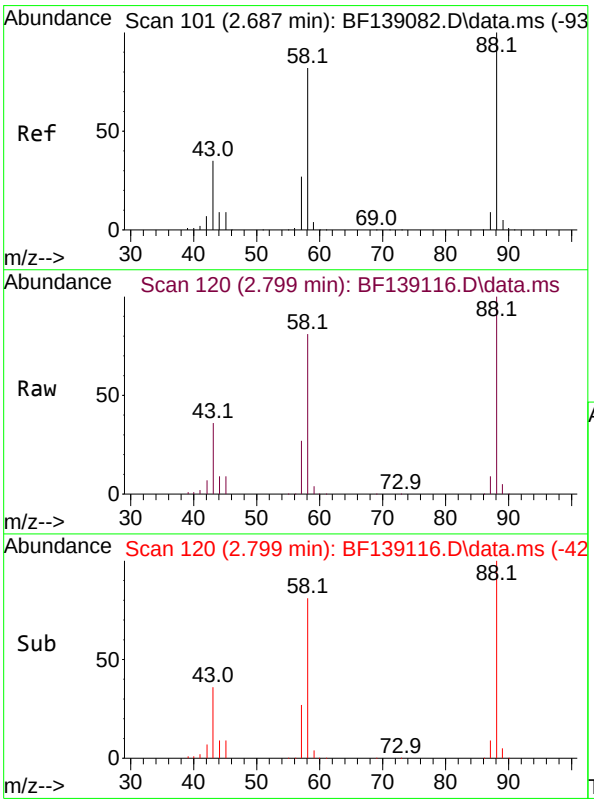
Ion	Ratio	Lower	Upper
152	100		
150	160.4	125.1	187.7
115	66.7	51.8	77.6



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

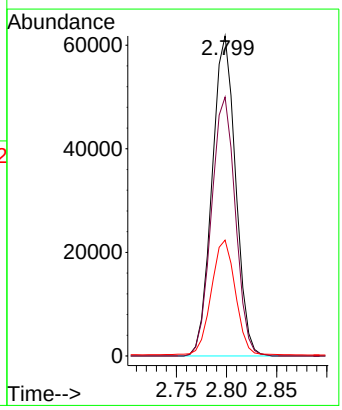
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

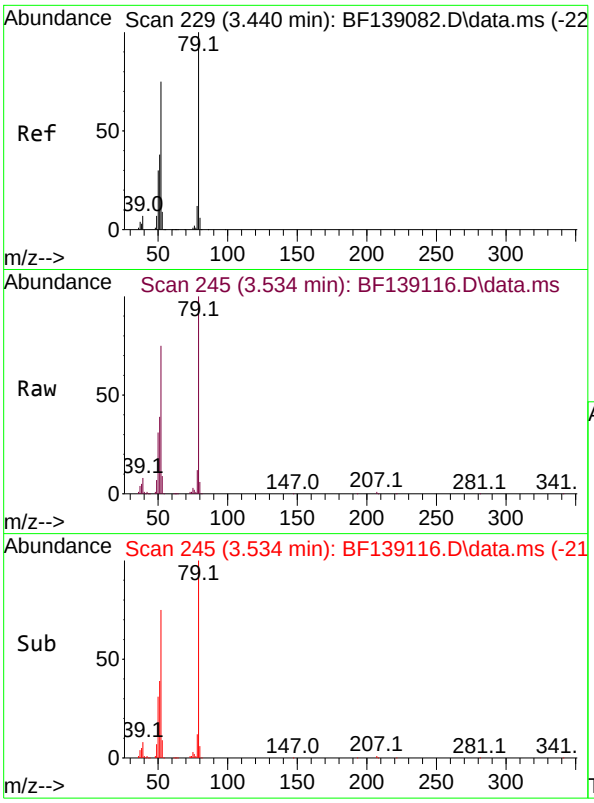


#2
1,4-Dioxane
Concen: 36.558 ng
RT: 2.799 min Scan# 120
Delta R.T. 0.111 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 88 Resp: 100483

Ion	Ratio	Lower	Upper
88	100		
58	82.4	65.4	98.0
43	37.1	27.9	41.9

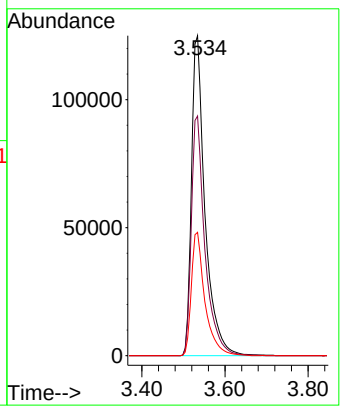




#3
Pyridine
Concen: 40.433 ng
RT: 3.534 min Scan# 24
Delta R.T. 0.094 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 79 Resp: 282409

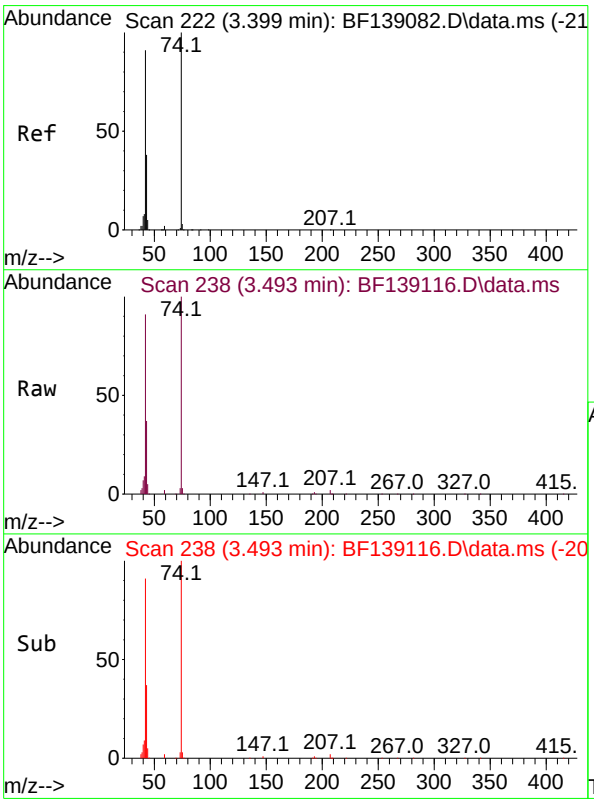
Ion	Ratio	Lower	Upper
79	100		
52	74.9	59.7	89.5
51	38.6	30.6	45.8



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

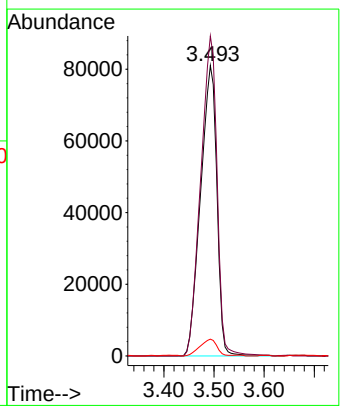
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

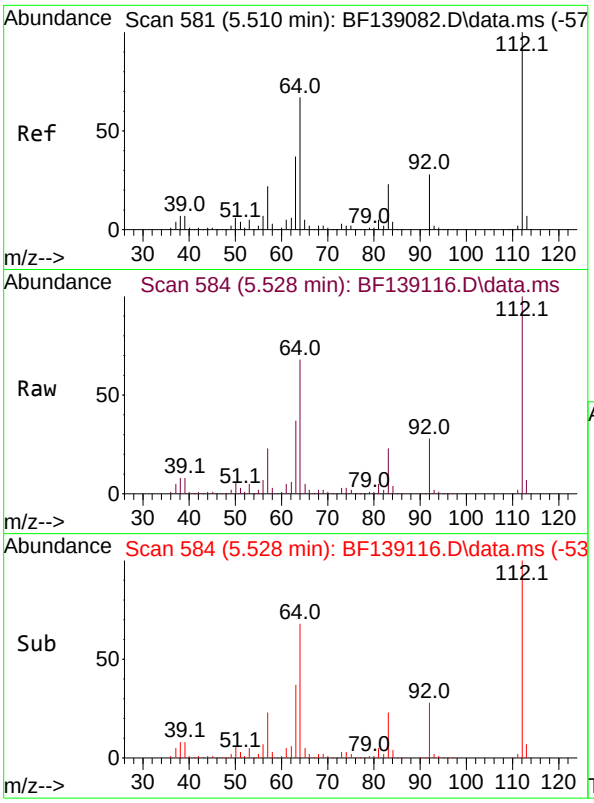


#4
n-Nitrosodimethylamine
Concen: 43.509 ng
RT: 3.493 min Scan# 238
Delta R.T. 0.094 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 42 Resp: 183580

Ion	Ratio	Lower	Upper
42	100		
74	110.2	88.2	132.2
44	5.8	5.4	8.0





#5
2-Fluorophenol
Concen: 129.797 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

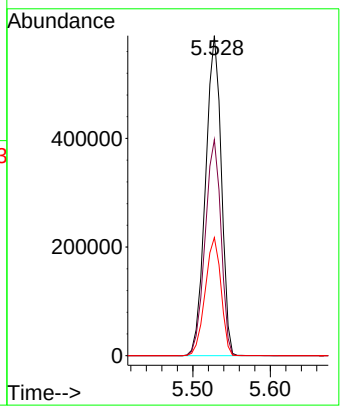
Tgt Ion:112 Resp: 83178

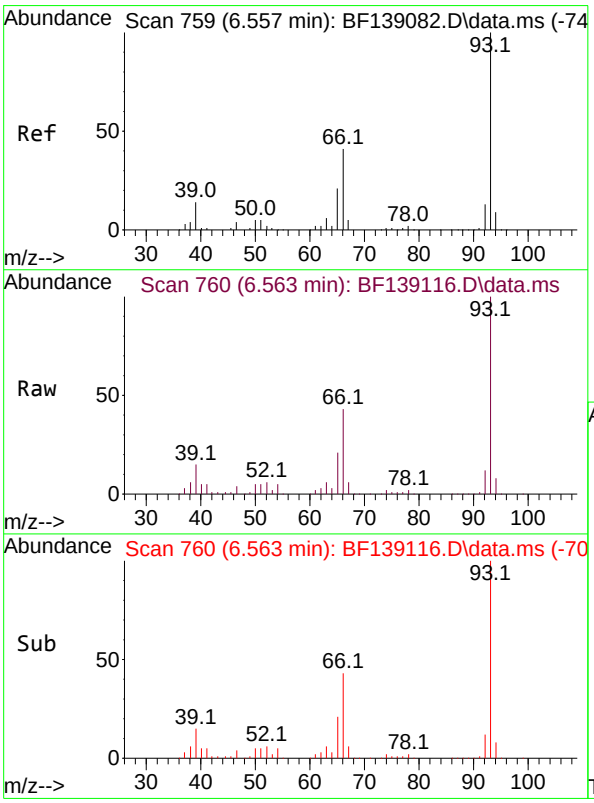
Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.8	80.6
63	36.9	29.4	44.2

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

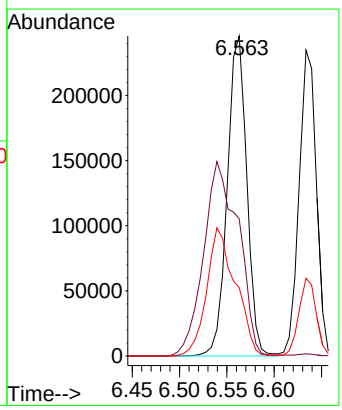


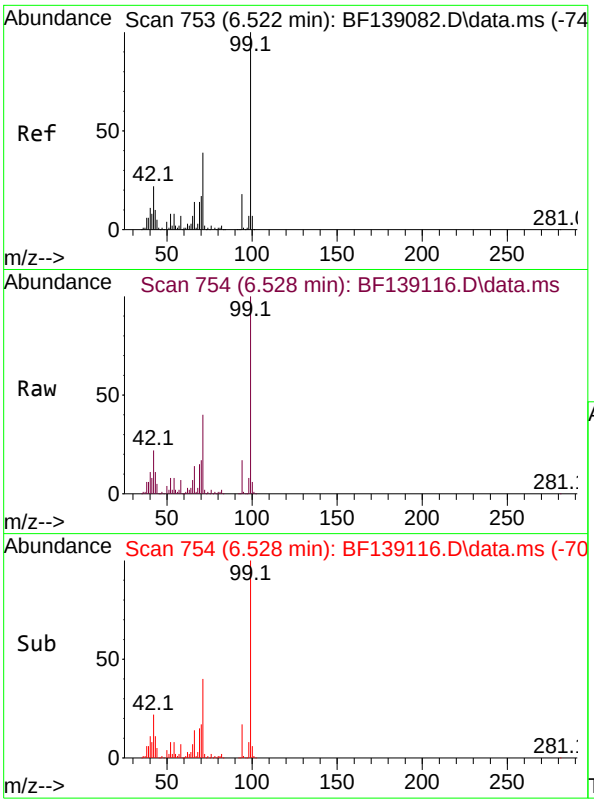


#6
Aniline
Concen: 47.166 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 93 Resp: 352577

Ion	Ratio	Lower	Upper
93	100		
66	42.9	35.1	52.7
65	21.4	17.4	26.2

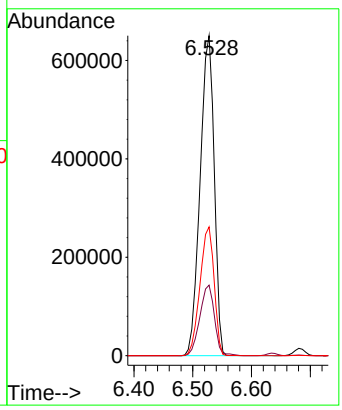




#7
Phenol-d6
Concen: 130.730 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 99 Resp: 108250

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.4	26.2
71	40.3	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
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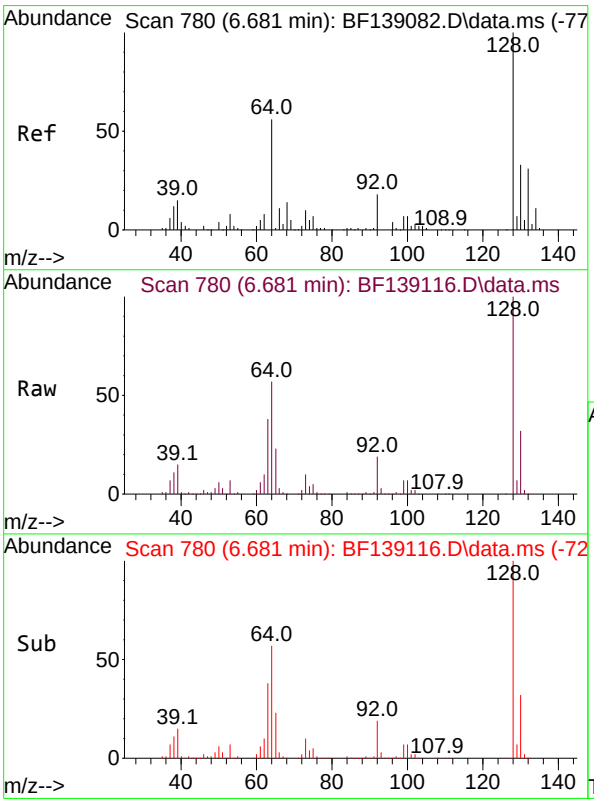
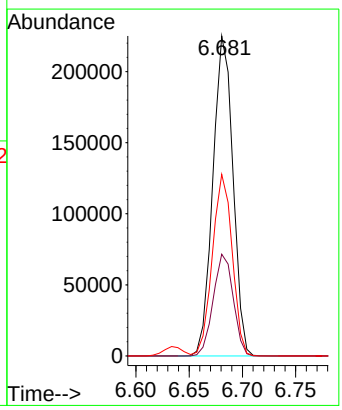
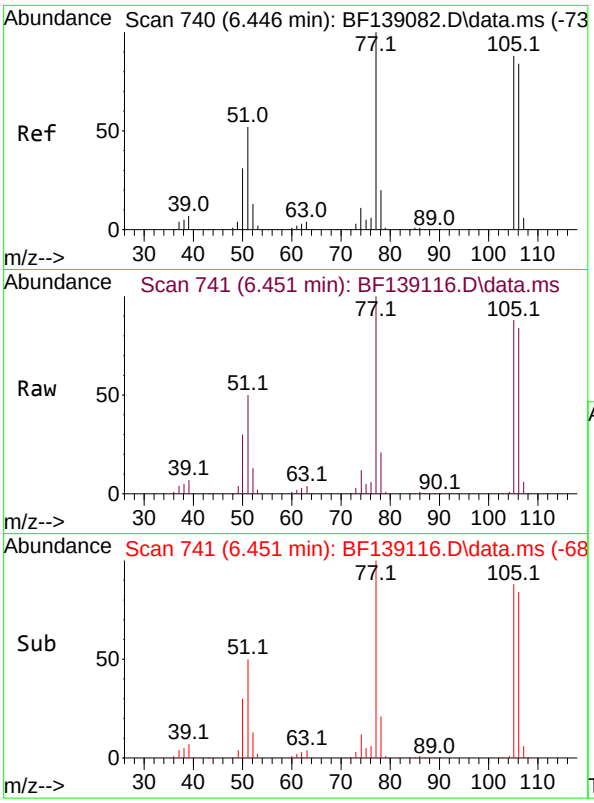


#8
2-Chlorophenol
Concen: 47.780 ng
RT: 6.681 min Scan# 780
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:128 Resp: 294505

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	56.7	39.1	79.1

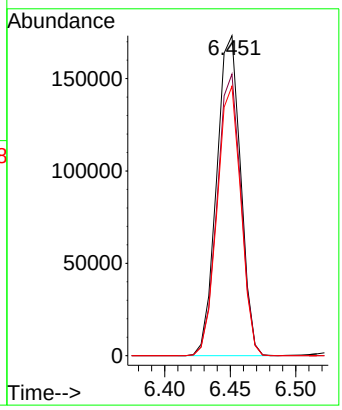




#9
Benzaldehyde
Concen: 45.361 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.005 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 77 Resp: 22029

Ion	Ratio	Lower	Upper
77	100		
105	88.0	68.2	108.2
106	84.2	63.8	103.8



Instrument :
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ClientSampleId :
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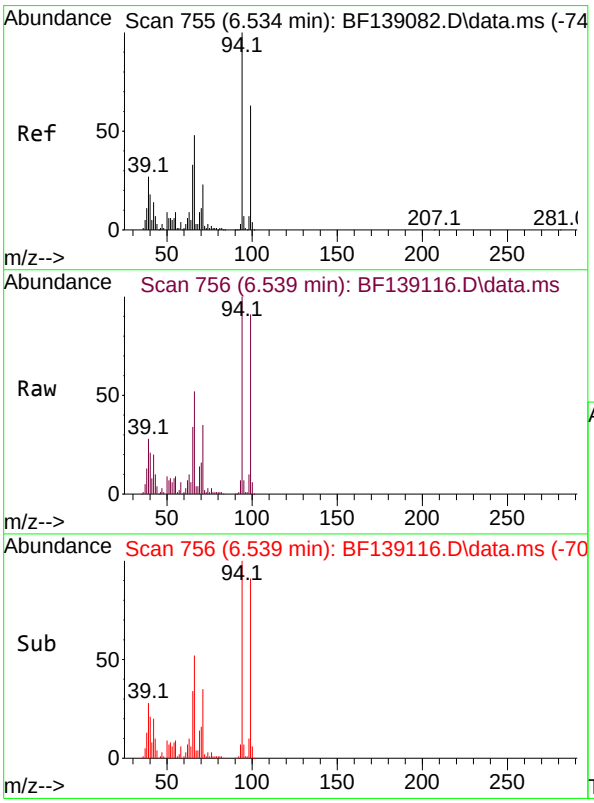
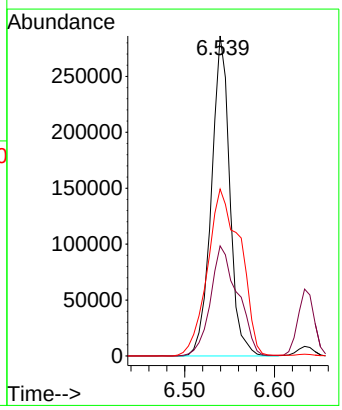
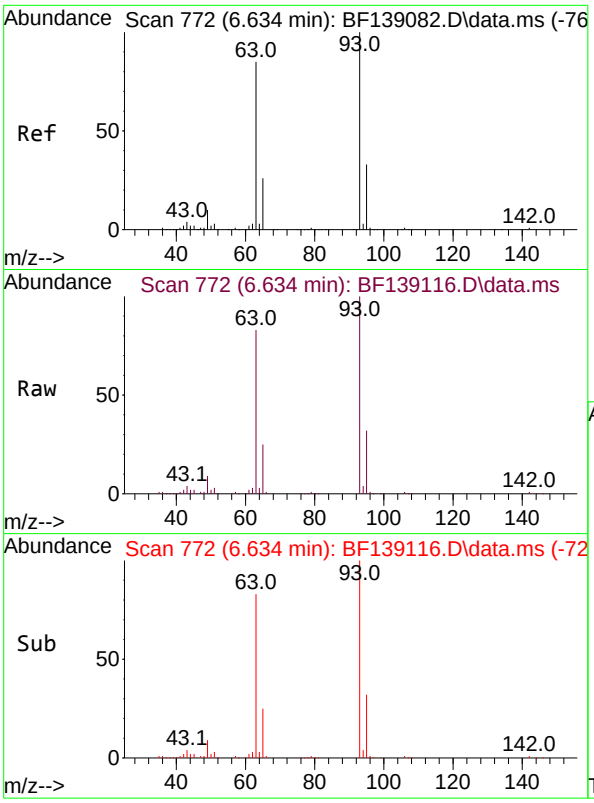


#10
Phenol
Concen: 47.200 ng
RT: 6.539 min Scan# 756
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 94 Resp: 406662

Ion	Ratio	Lower	Upper
94	100		
65	34.4	13.5	53.5
66	52.2	28.5	68.5

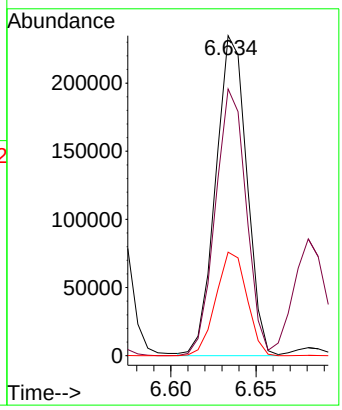




#11
bis(2-Chloroethyl)ether
Concen: 43.006 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 93 Resp: 29797

Ion	Ratio	Lower	Upper
93	100		
63	83.3	62.7	102.7
95	32.4	11.9	51.9



Instrument :
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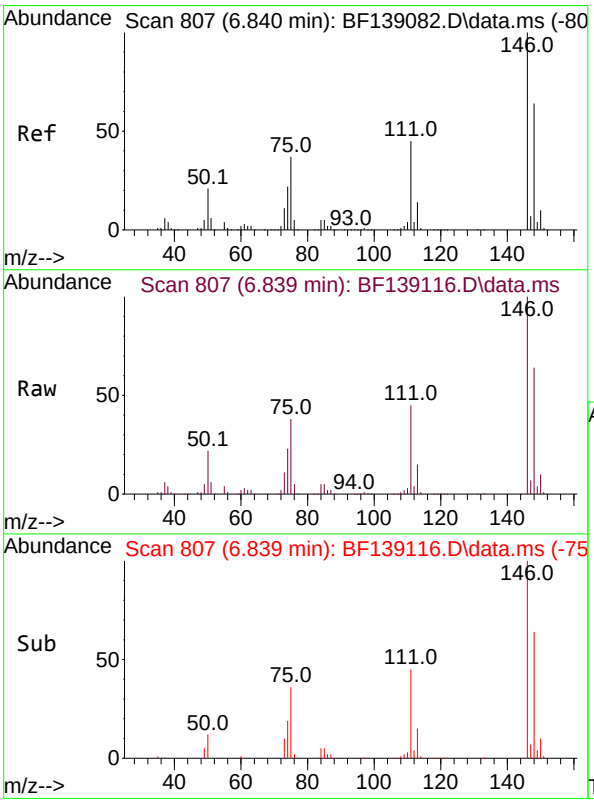
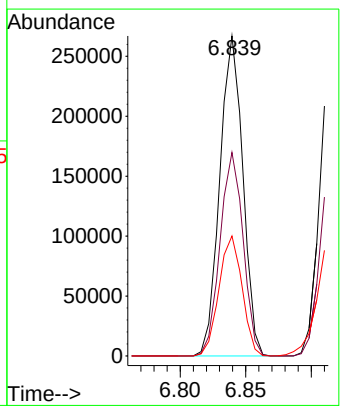
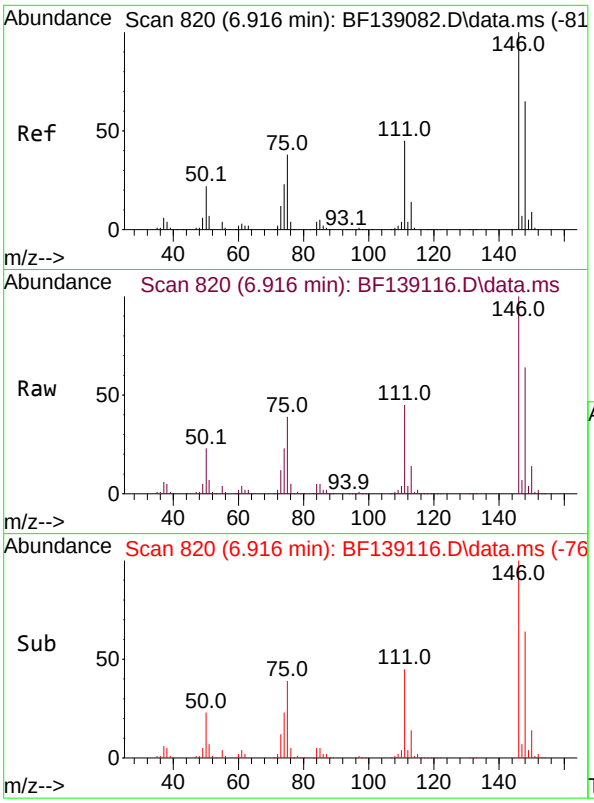


#12
1,3-Dichlorobenzene
Concen: 43.953 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:146 Resp: 325733

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	37.5	29.9	44.9





#13
1,4-Dichlorobenzene
Concen: 44.287 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:146 Resp: 32815

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
111	45.0	35.8	53.6

Instrument :
BNA_F
ClientSampleId :
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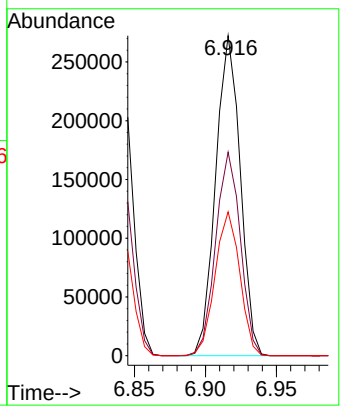
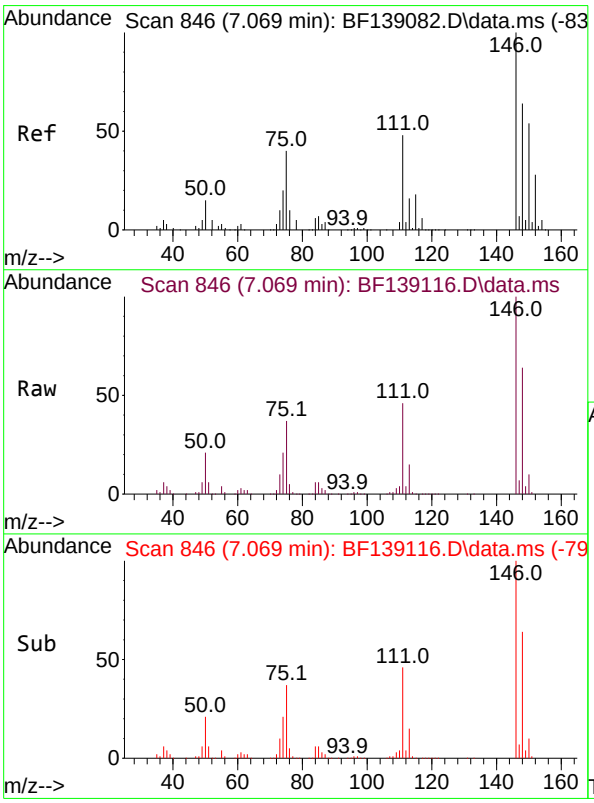
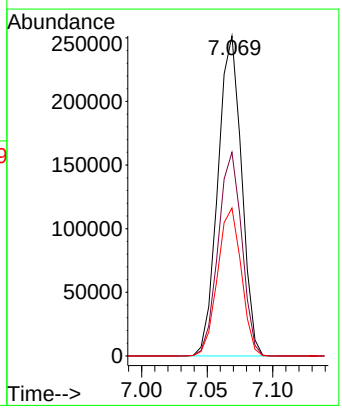


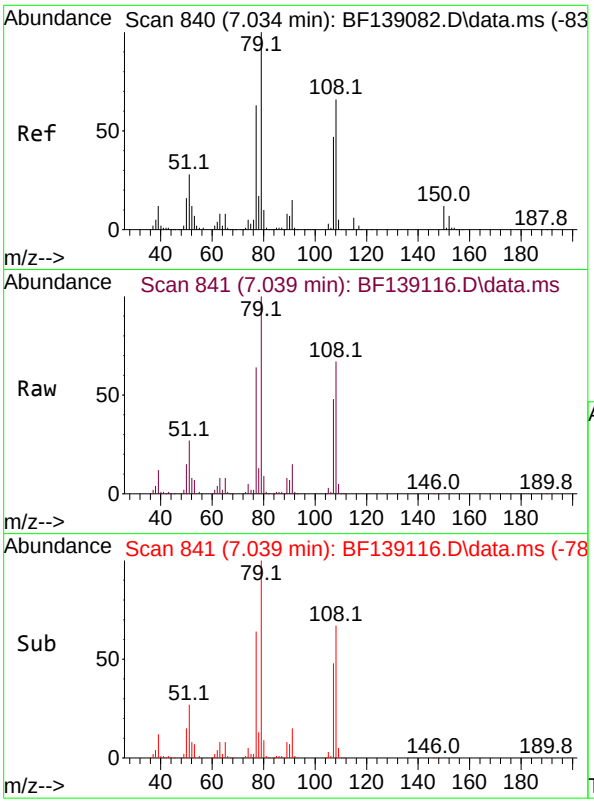


#14
1,2-Dichlorobenzene
Concen: 46.554 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:146 Resp: 315262

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
111	46.2	38.1	57.1

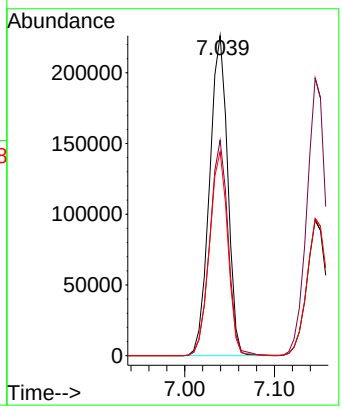




#15
Benzyl Alcohol
Concen: 48.478 ng
RT: 7.039 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 79 Resp: 31726

Ion	Ratio	Lower	Upper
79	100		
108	67.3	52.8	79.2
77	63.7	50.6	76.0



Instrument :
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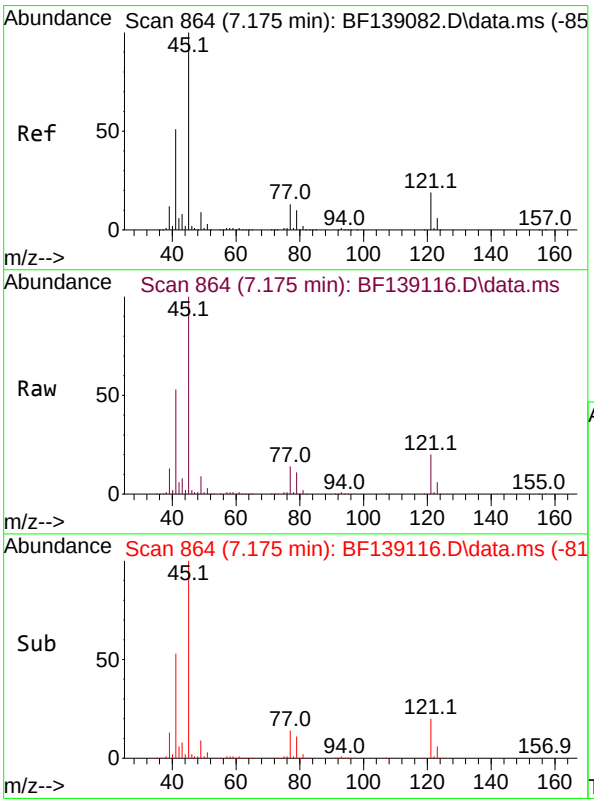
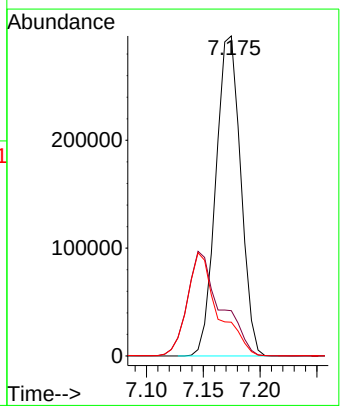
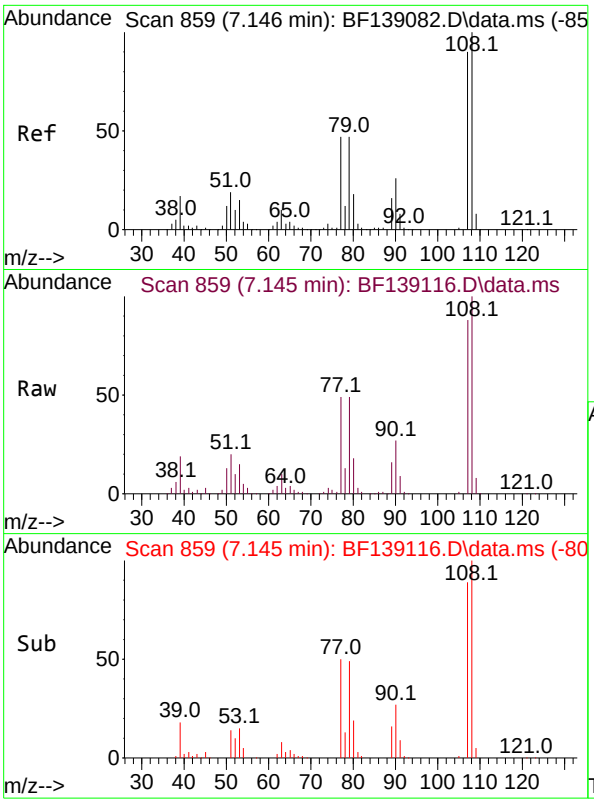


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.219 ng
RT: 7.175 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 45 Resp: 451104

Ion	Ratio	Lower	Upper
45	100		
77	14.2	0.0	33.7
79	10.5	0.0	30.4

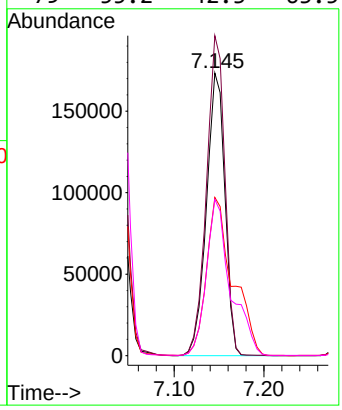




#17
2-Methylphenol
Concen: 47.036 ng
RT: 7.145 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:107 Resp: 24803

Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.1	133.7
77	56.0	42.1	63.1
79	55.2	42.3	63.5



Instrument :
BNA_F
ClientSampleId :
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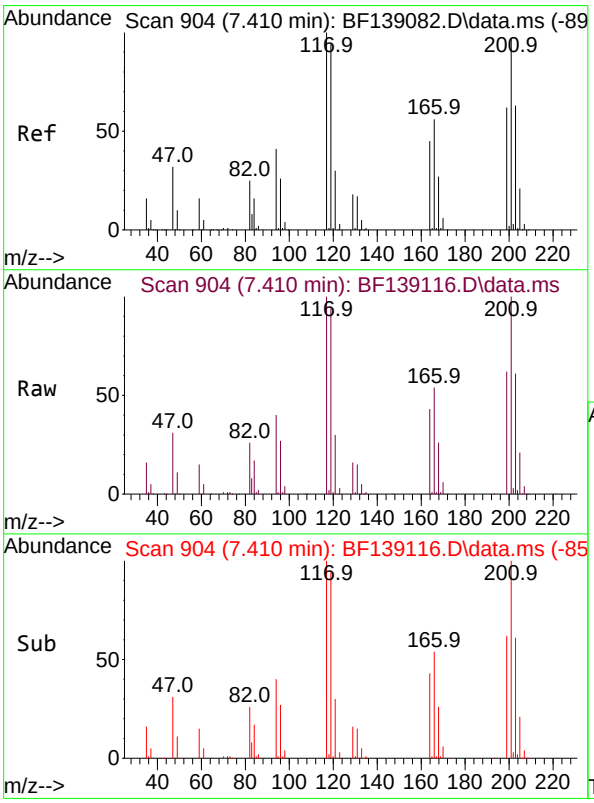
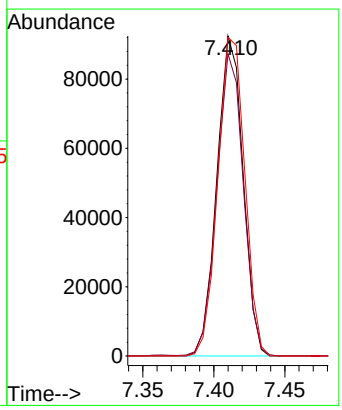
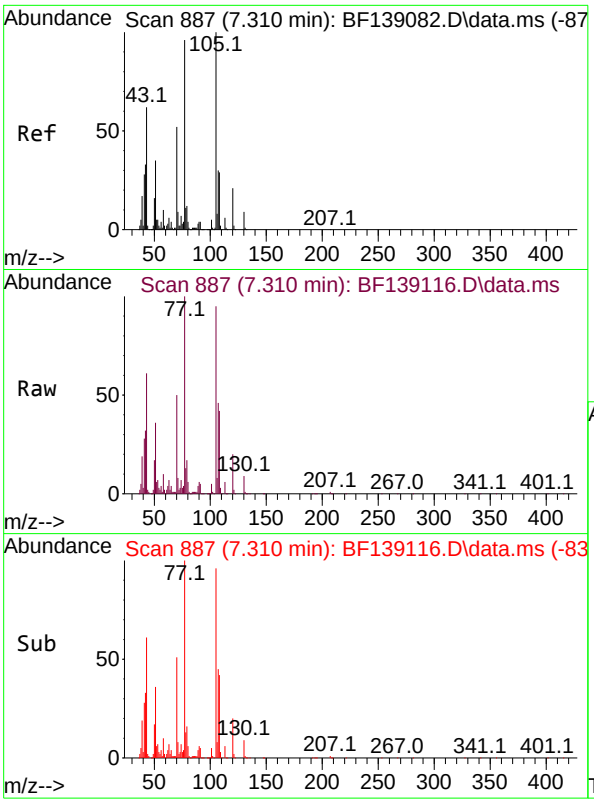


#18
Hexachloroethane
Concen: 45.615 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:117 Resp: 118522

Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.5	113.3
201	99.6	77.8	116.8

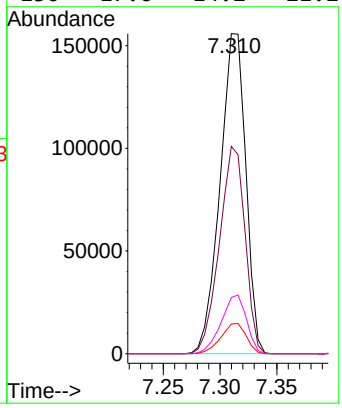




#19
n-Nitroso-di-n-propylamine
Concen: 45.160 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 70 Resp: 24557

Ion	Ratio	Lower	Upper
70	100		
42	64.8	50.5	75.7
101	9.2	7.2	10.8
130	17.6	14.2	21.2



Instrument :
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ClientSampleId :
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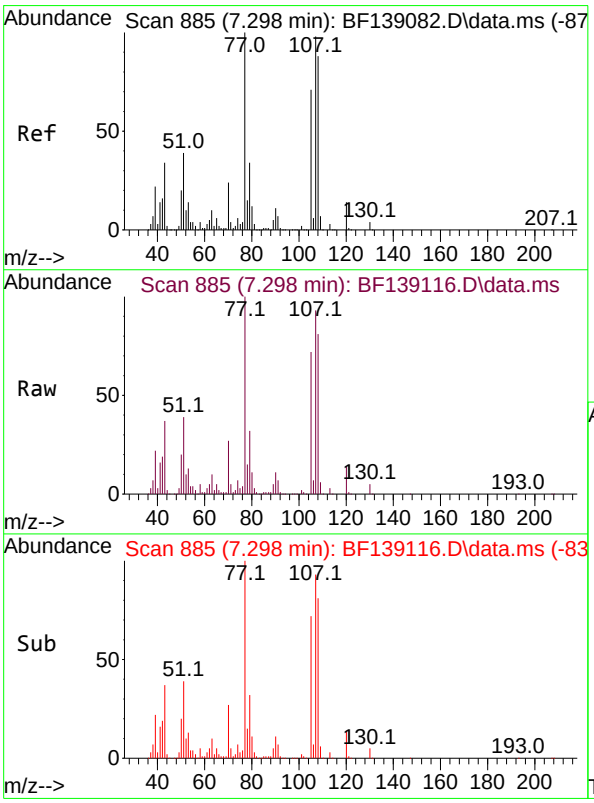
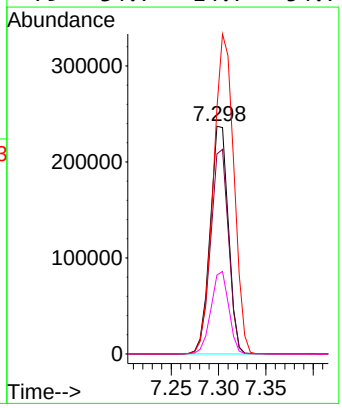
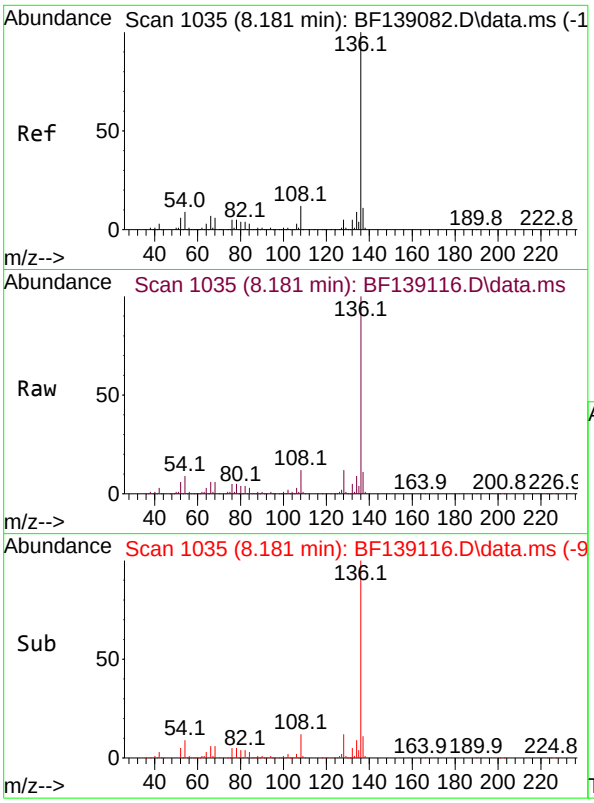


#20
3+4-Methylphenols
Concen: 46.495 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:107 Resp: 317662

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.2	110.2
77	107.9	82.7	122.7
79	34.7	14.7	54.7

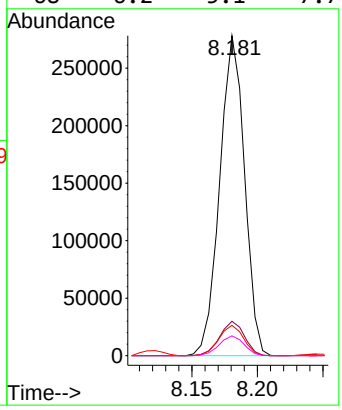




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:136 Resp: 36583

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.5	7.6	11.4
68	6.2	5.1	7.7



Instrument :
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ClientSampleId :
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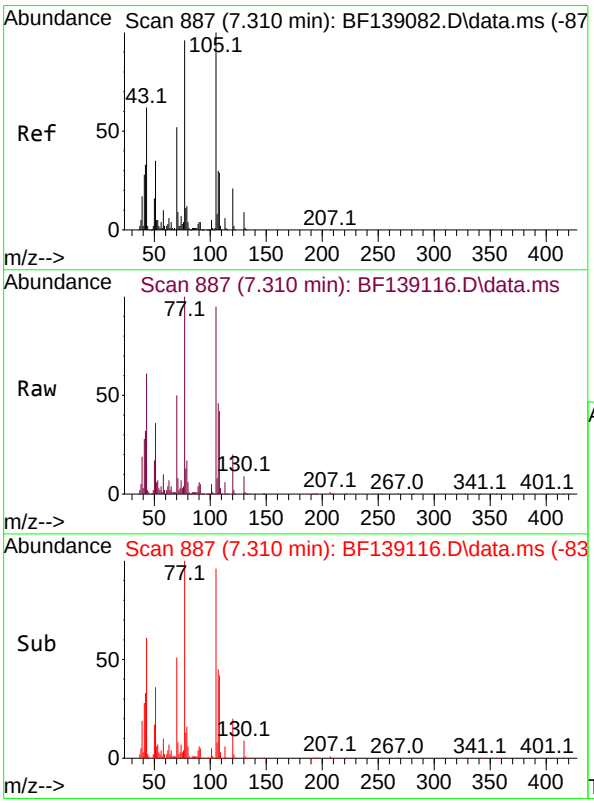
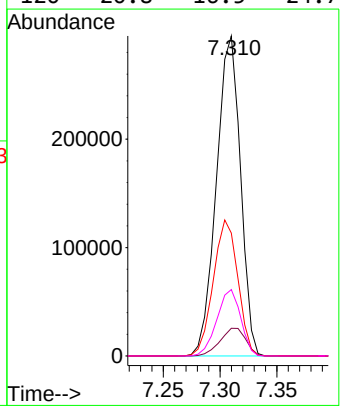
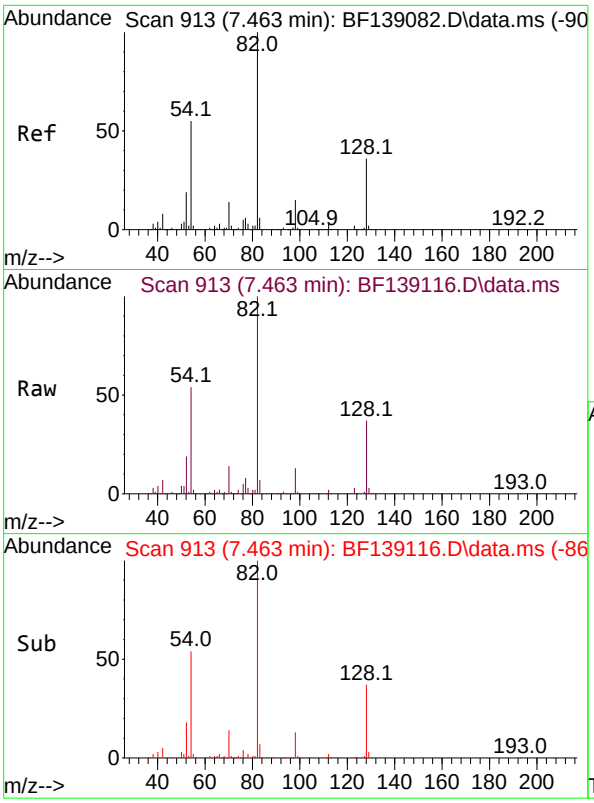


#22
Acetophenone
Concen: 46.599 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:105 Resp: 435271

Ion	Ratio	Lower	Upper
105	100		
71	8.6	7.0	10.6
51	38.4	28.0	42.0
120	20.8	16.5	24.7





#23
Nitrobenzene-d5
Concen: 113.851 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 82 Resp: 71478

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	54.2	43.4	65.2

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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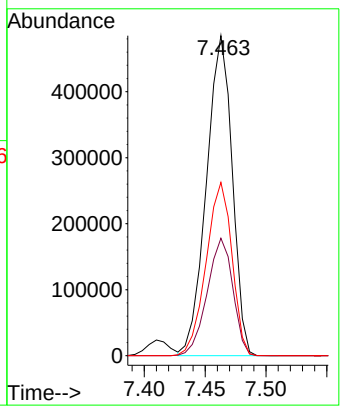
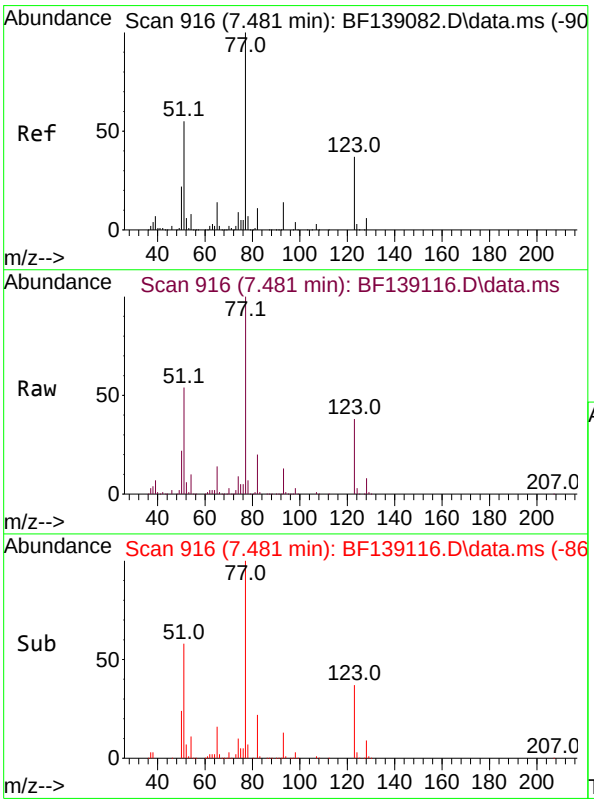
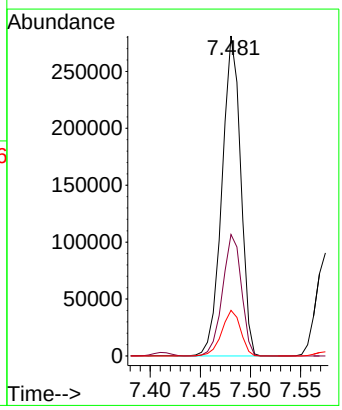


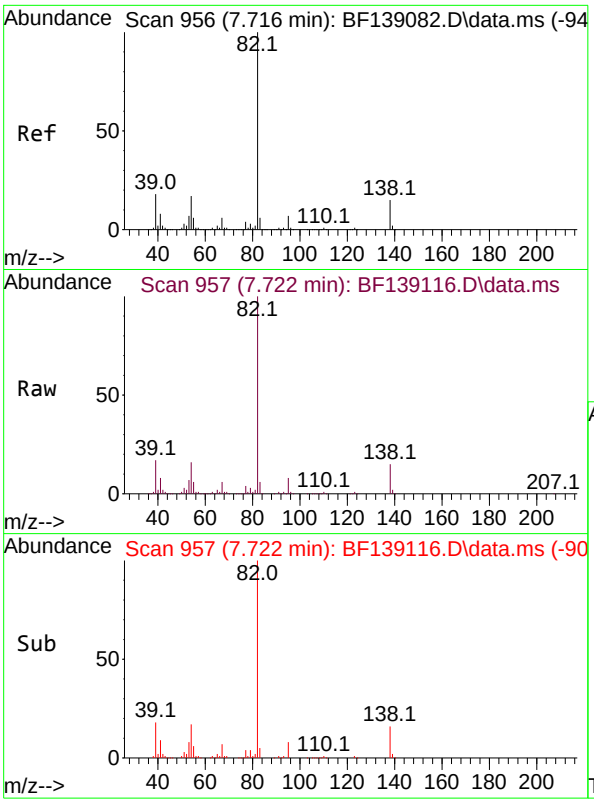


#24
Nitrobenzene
Concen: 52.264 ng
RT: 7.481 min Scan# 916
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 77 Resp: 364723

Ion	Ratio	Lower	Upper
77	100		
123	37.9	30.3	45.5
65	14.2	11.3	16.9





#25
Isophorone
Concen: 48.579 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 82 Resp: 64825

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	15.3	11.8	17.8

Instrument :
BNA_F
ClientSampleId :
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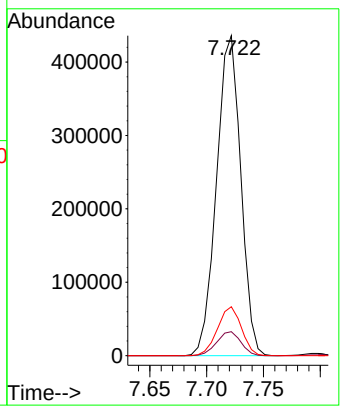
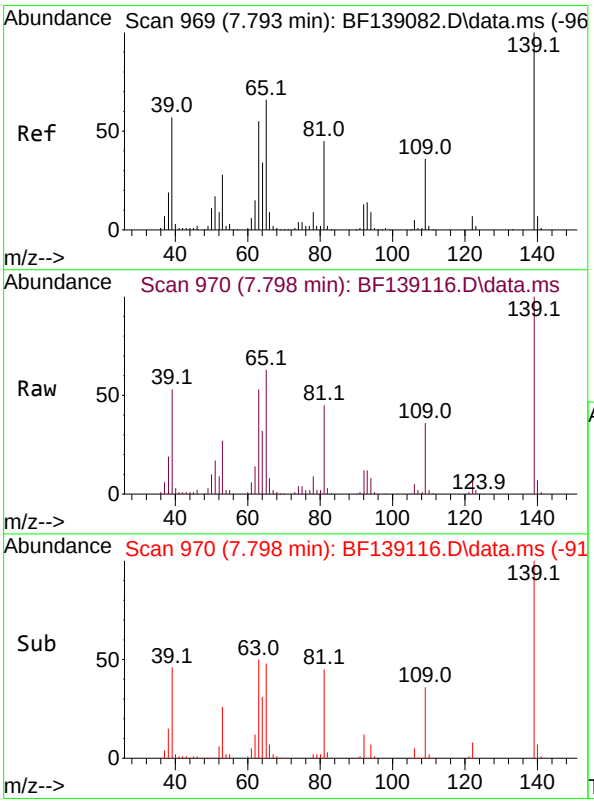
Supervised By :mohammad ahmed 08/23/2024

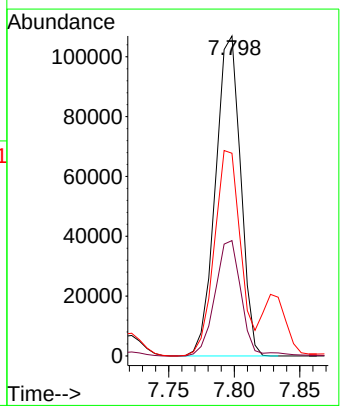


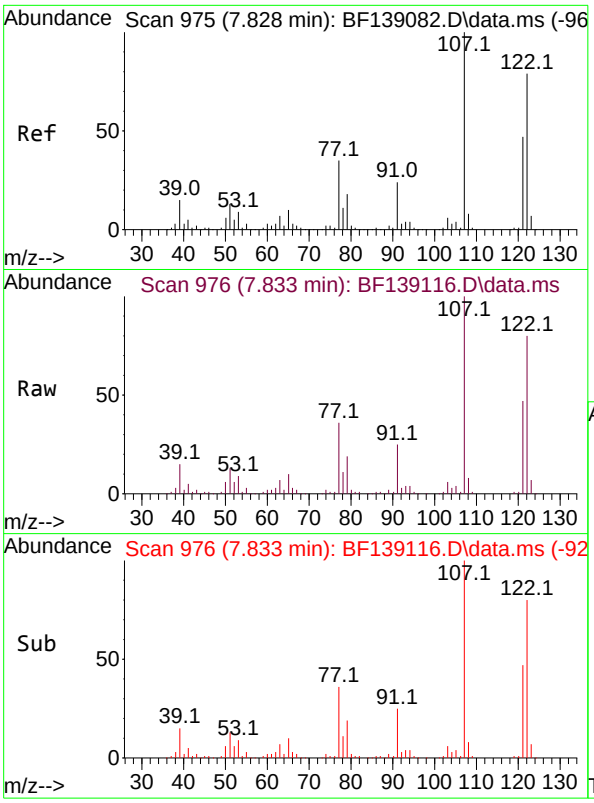


#26
2-Nitrophenol
Concen: 57.242 ng
RT: 7.798 min Scan# 970
Delta R.T. 0.005 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:139 Resp: 142263

Ion	Ratio	Lower	Upper
139	100		
109	36.1	29.2	43.8
65	63.3	52.7	79.1

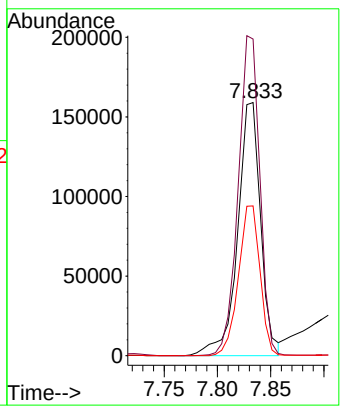




#27
2,4-Dimethylphenol
Concen: 56.483 ng
RT: 7.833 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:122 Resp: 23900

Ion	Ratio	Lower	Upper
122	100		
107	125.1	101.1	151.7
121	59.2	47.5	71.3



Instrument :
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ClientSampleId :
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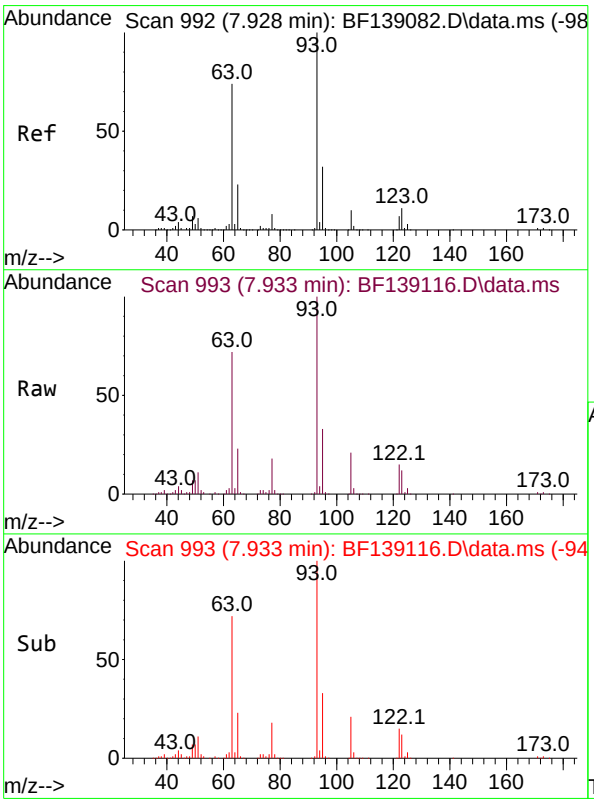
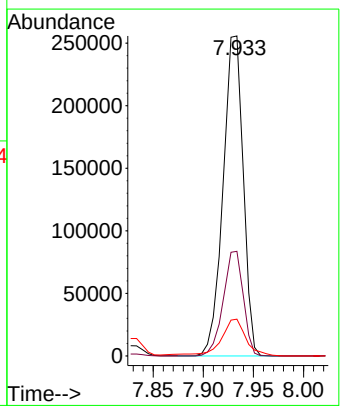
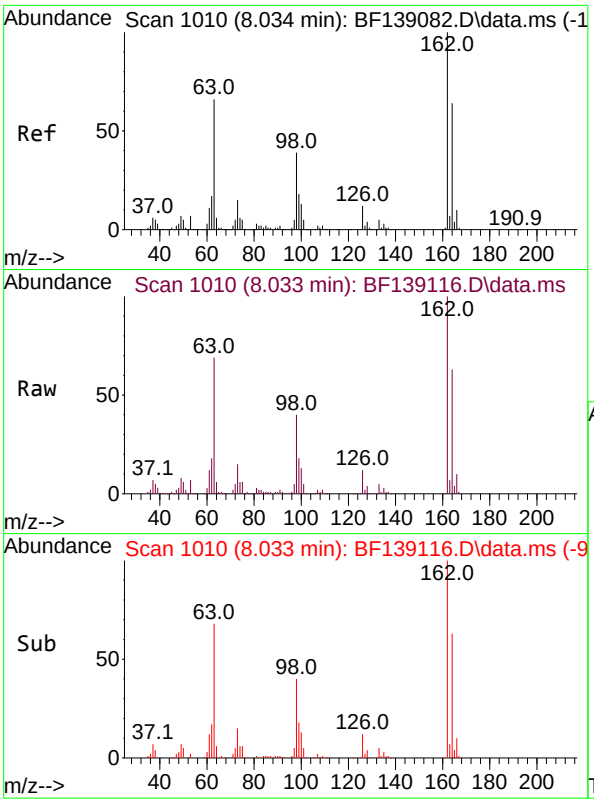


#28
bis(2-Chloroethoxy)methane
Concen: 45.828 ng
RT: 7.933 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 93 Resp: 357324

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	11.5	8.9	13.3

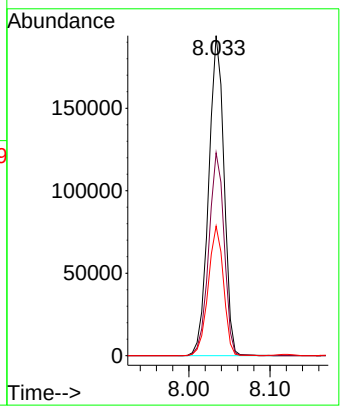




#29
2,4-Dichlorophenol
Concen: 48.256 ng
RT: 8.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:162 Resp: 25438

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.9	83.9
98	40.5	19.7	59.7



Instrument :
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ClientSampleId :
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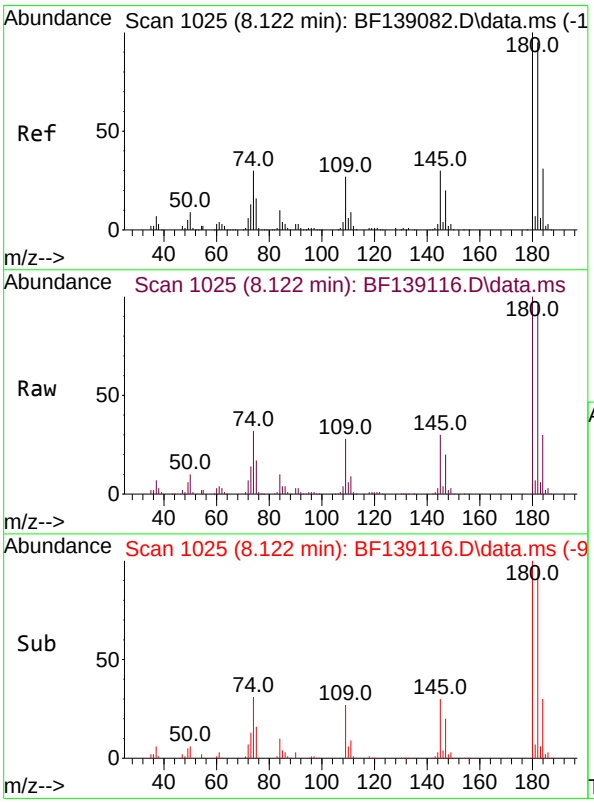
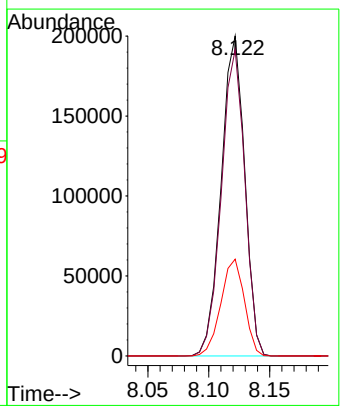
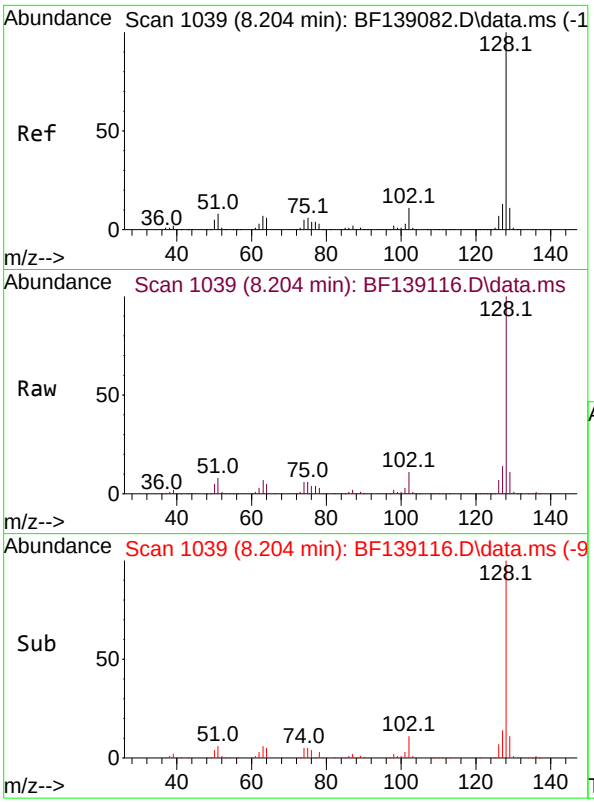


#30
1,2,4-Trichlorobenzene
Concen: 43.503 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:180 Resp: 268535

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	30.2	23.9	35.9

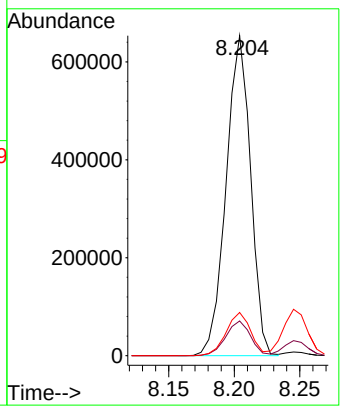




#31
Naphthalene
Concen: 45.753 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:128 Resp: 84819

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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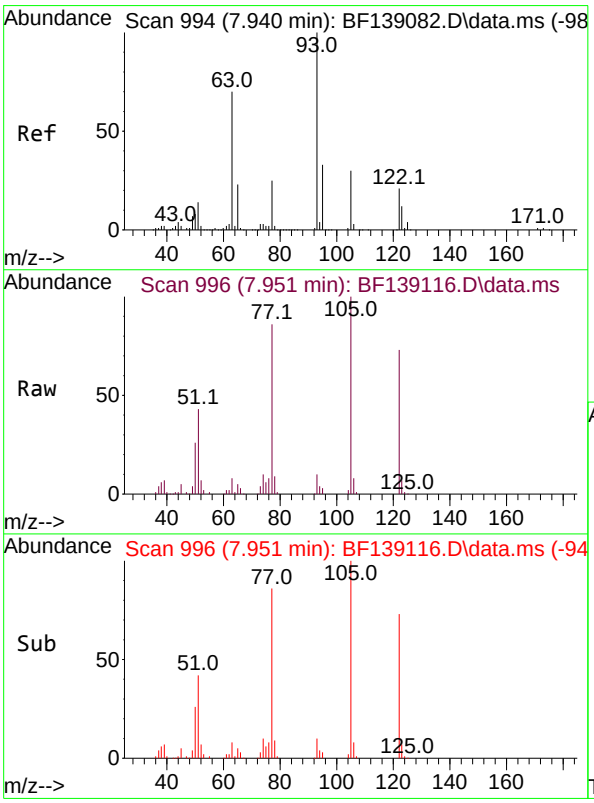
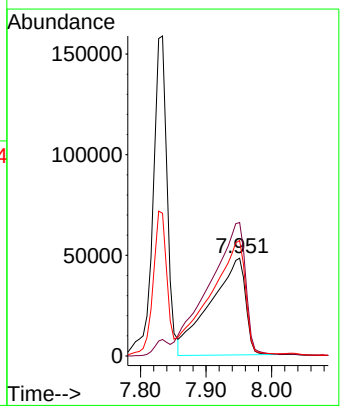
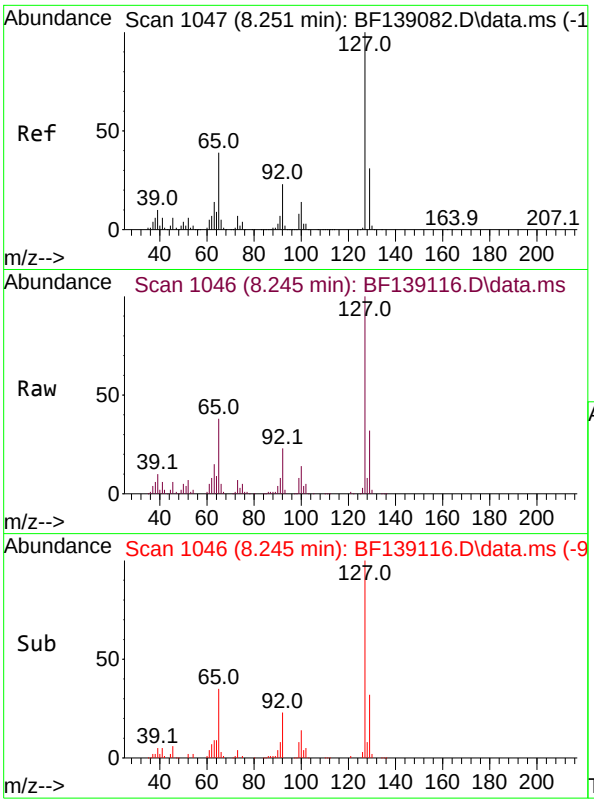


#32
Benzoic acid
Concen: 50.380 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.011 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:122 Resp: 179295

Ion	Ratio	Lower	Upper
122	100		
105	136.5	119.6	159.6
77	118.1	97.6	137.6

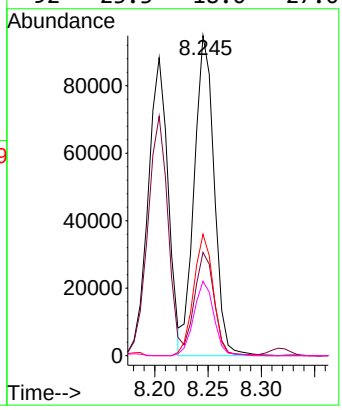




#33
4-Chloroaniline
Concen: 19.483 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:127 Resp: 12369

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	38.0	30.3	45.5
92	23.3	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
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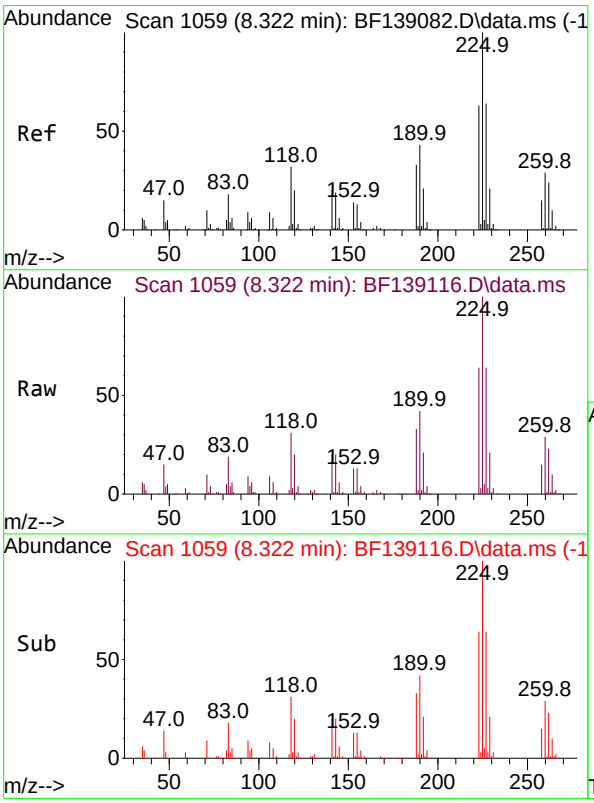
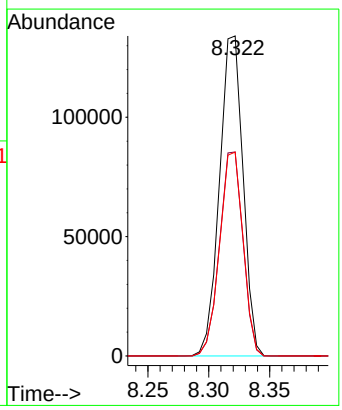
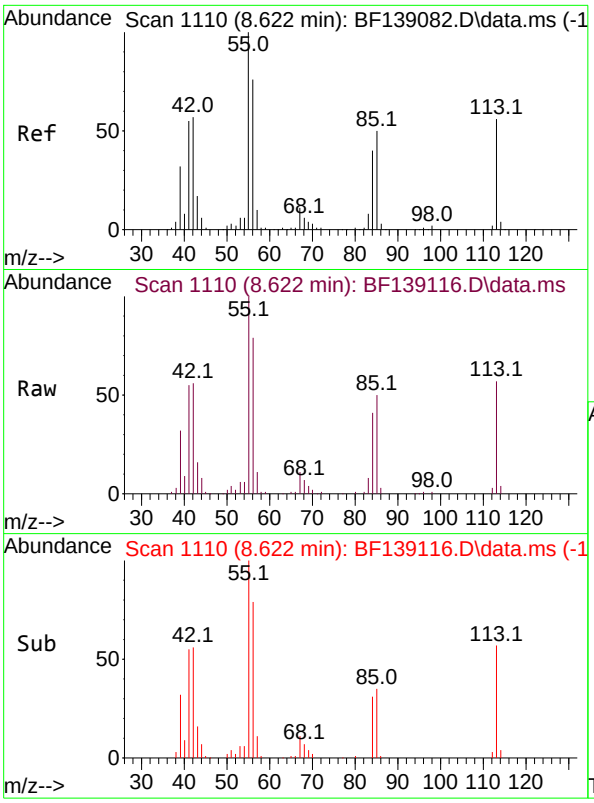


#34
Hexachlorobutadiene
Concen: 44.700 ng
RT: 8.322 min Scan# 1059
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:225 Resp: 180247

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.0	75.0
227	63.7	51.4	77.2

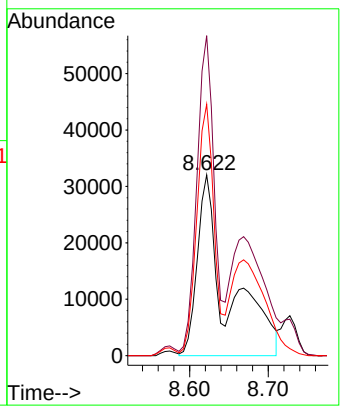




#35
Caprolactam
Concen: 50.070 ng m
RT: 8.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:113 Resp: 8368

Ion	Ratio	Lower	Upper
113	100		
55	176.9	158.6	198.6
56	139.0	115.9	155.9



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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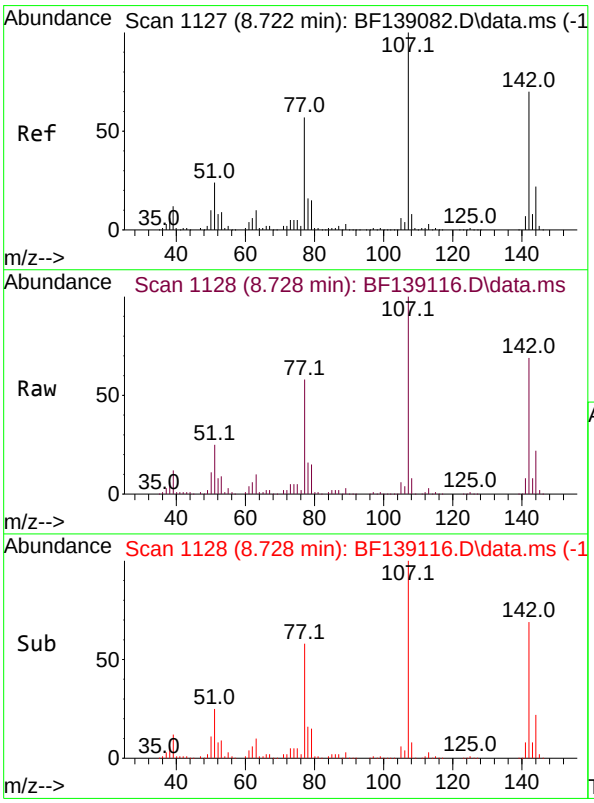
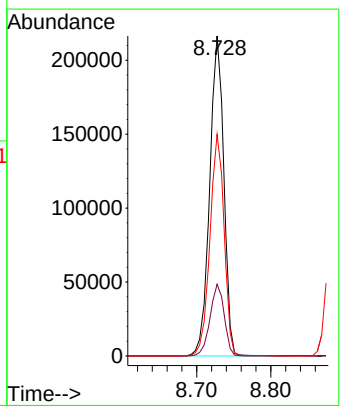
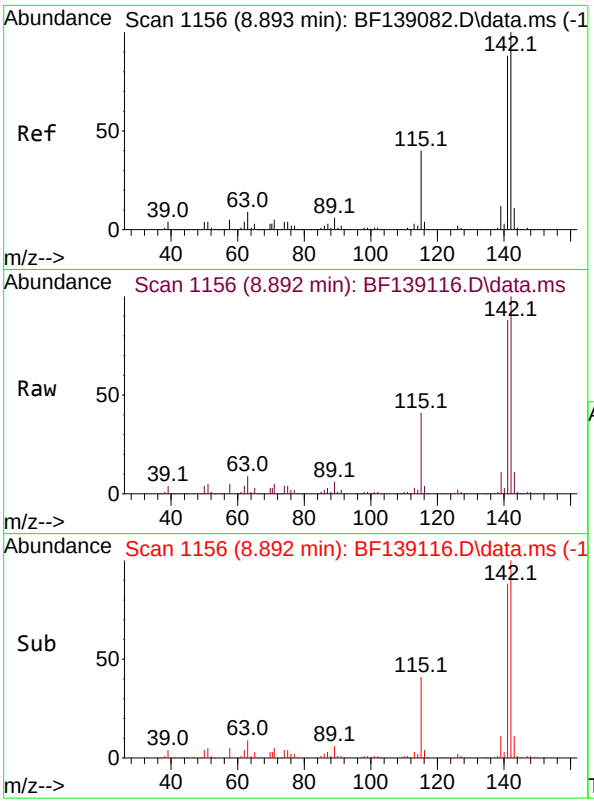


#36
4-Chloro-3-methylphenol
Concen: 49.101 ng
RT: 8.728 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:107 Resp: 286601

Ion	Ratio	Lower	Upper
107	100		
144	22.4	17.7	26.5
142	69.2	55.6	83.4





#37
2-Methylnaphthalene
Concen: 47.269 ng
RT: 8.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:142 Resp: 56207

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.6	105.8

Instrument :
BNA_F
ClientSampleId :
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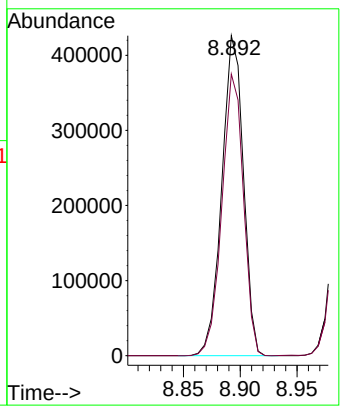
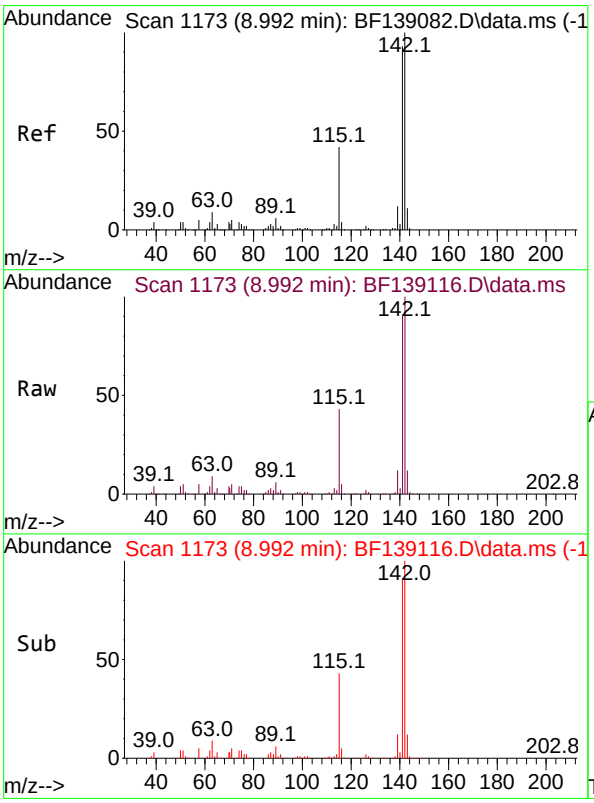
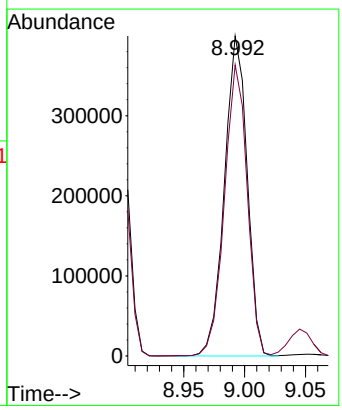


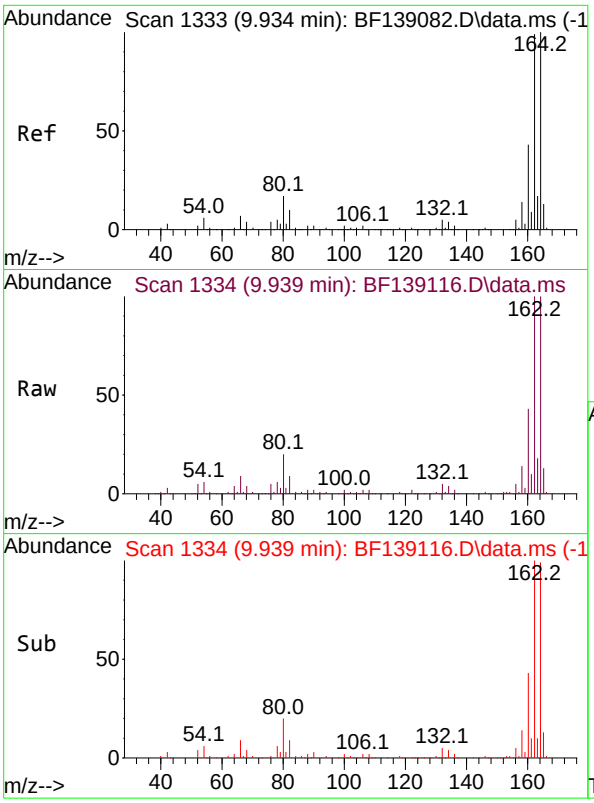


#38
1-Methylnaphthalene
Concen: 45.162 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:142 Resp: 518293

Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.1	111.1

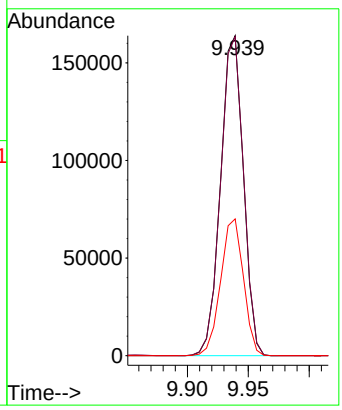




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:164 Resp: 21361

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.5	119.3
160	42.8	34.5	51.7



Instrument :
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ClientSampleId :
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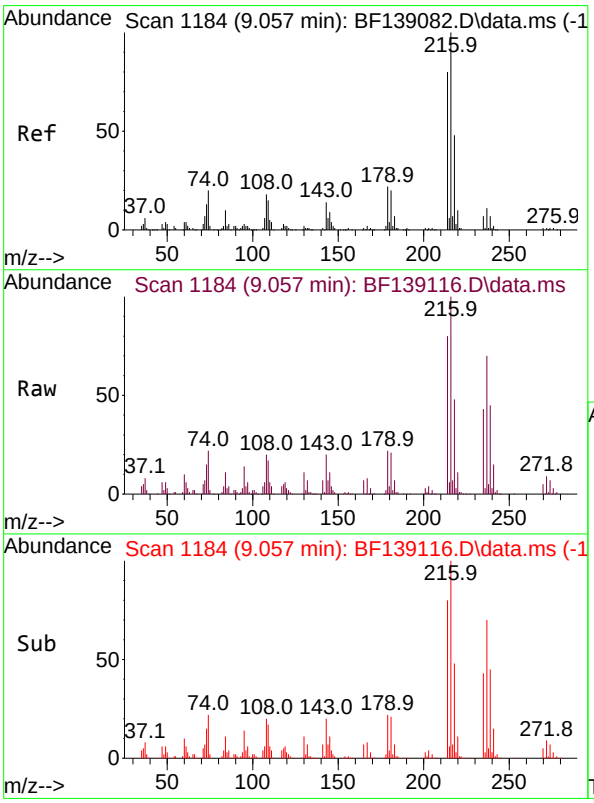
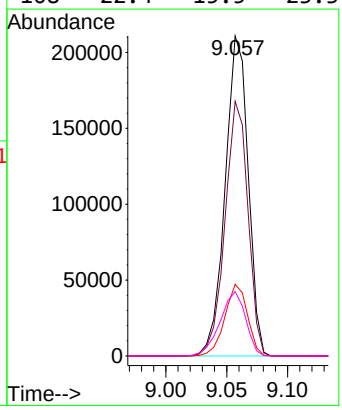
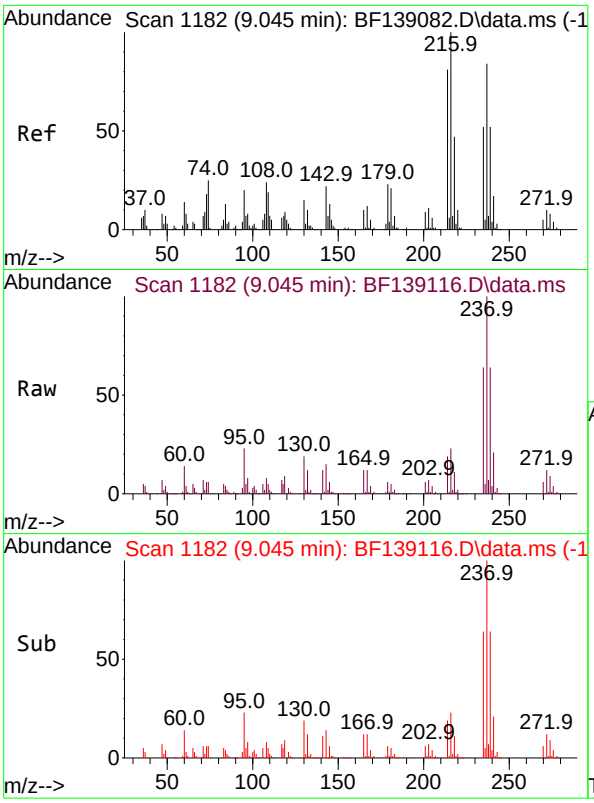


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.648 ng
RT: 9.057 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:216 Resp: 277079

Ion	Ratio	Lower	Upper
216	100		
214	79.1	64.2	96.2
179	22.1	17.4	26.2
108	22.4	15.5	23.3





#41
Hexachlorocyclopentadiene
Concen: 171.260 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Tgt Ion:237 Resp: 384938

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.5	82.5
272	11.9	0.0	32.0

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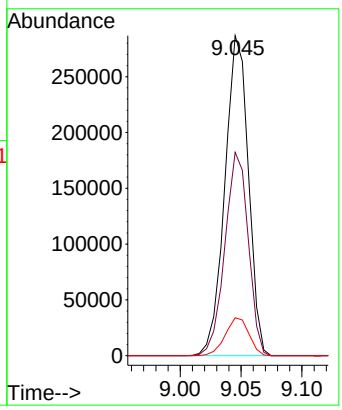
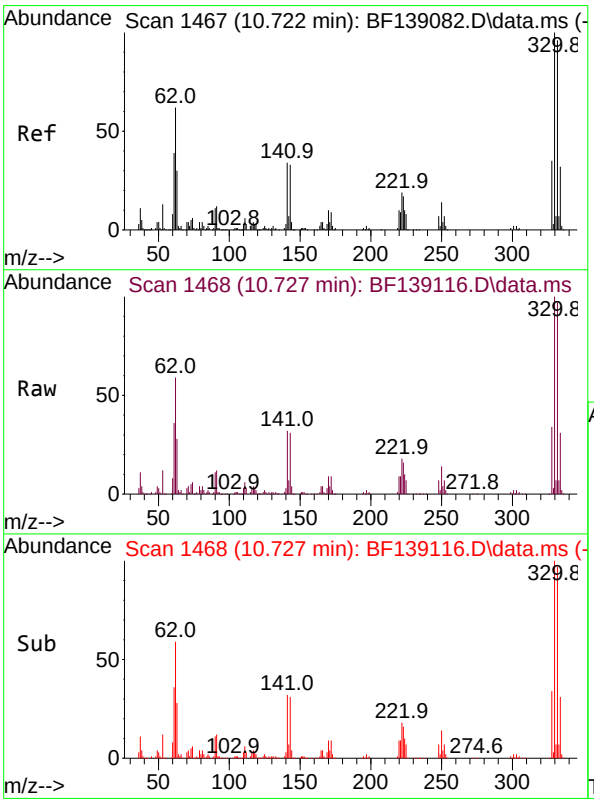
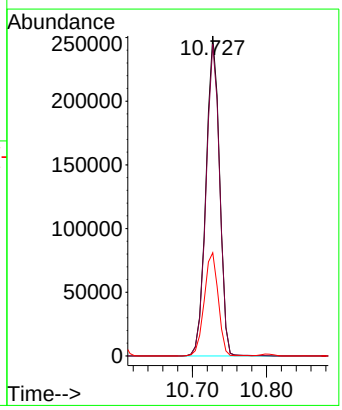


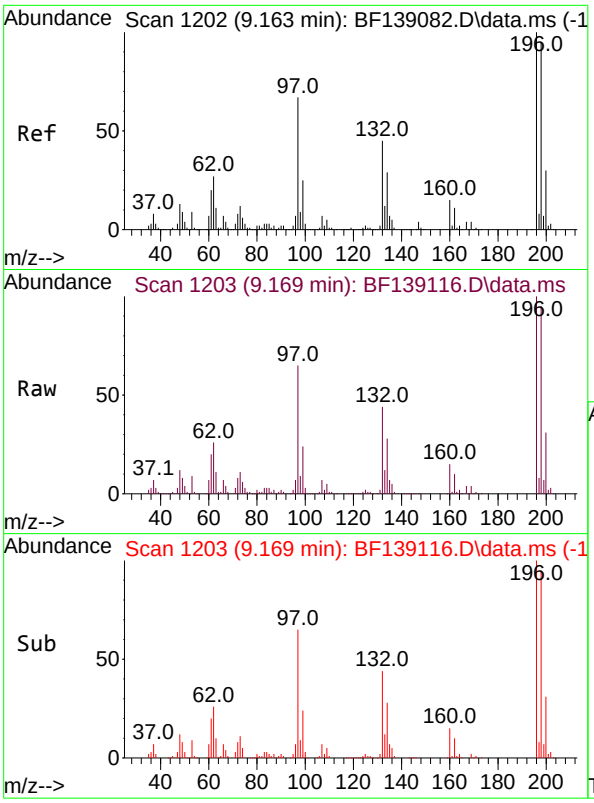


#42
2,4,6-Tribromophenol
Concen: 165.024 ng
RT: 10.727 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:330 Resp: 319126

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	33.2	27.5	41.3

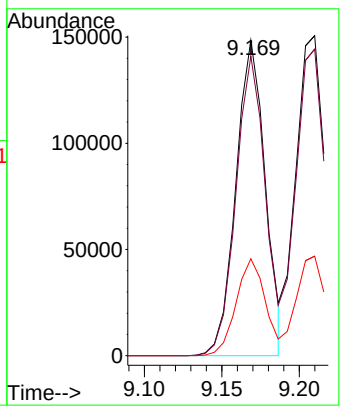




#43
2,4,6-Trichlorophenol
Concen: 49.546 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:196 Resp: 19554

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.4	114.6
200	30.7	23.8	35.8



Instrument :
BNA_F
ClientSampleId :
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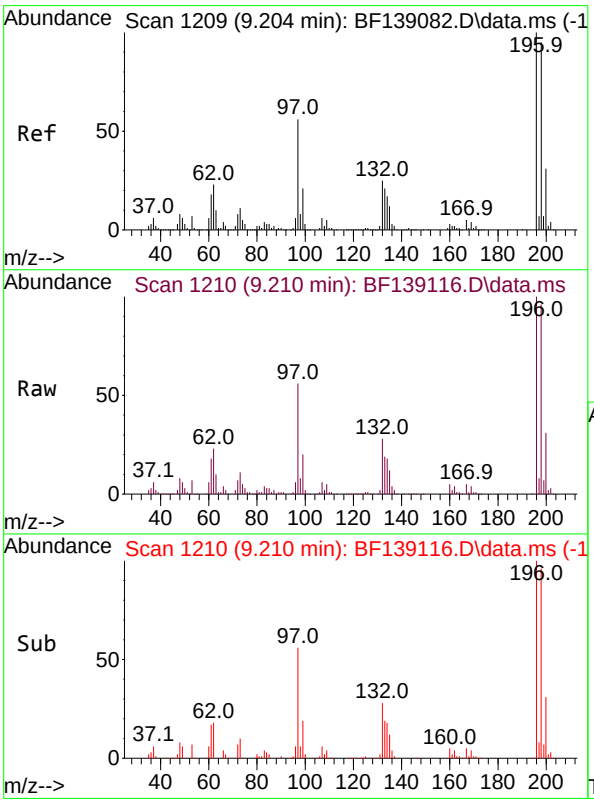
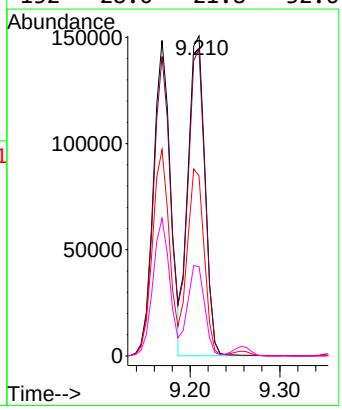
Supervised By :mohammad ahmed 08/23/2024

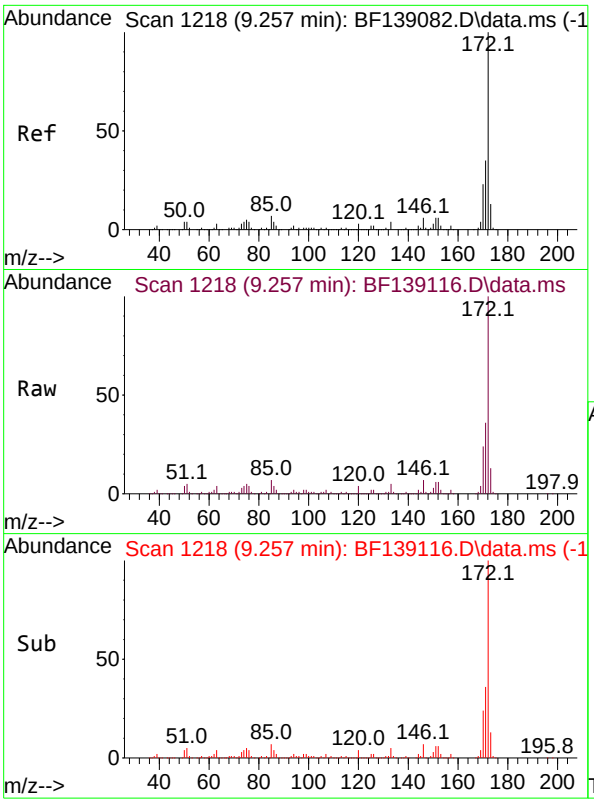


#44
2,4,5-Trichlorophenol
Concen: 48.979 ng
RT: 9.210 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:196 Resp: 198415

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	114.8
97	56.3	44.6	67.0
132	28.0	21.8	32.6

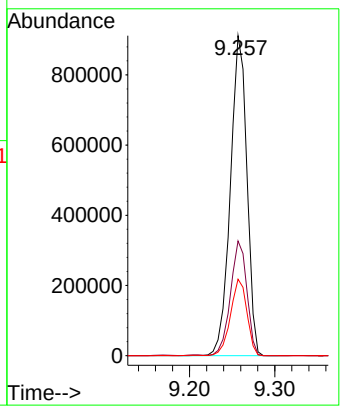




#45
2-Fluorobiphenyl
Concen: 91.459 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:172 Resp: 123136

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.9	18.8	28.2



Instrument :
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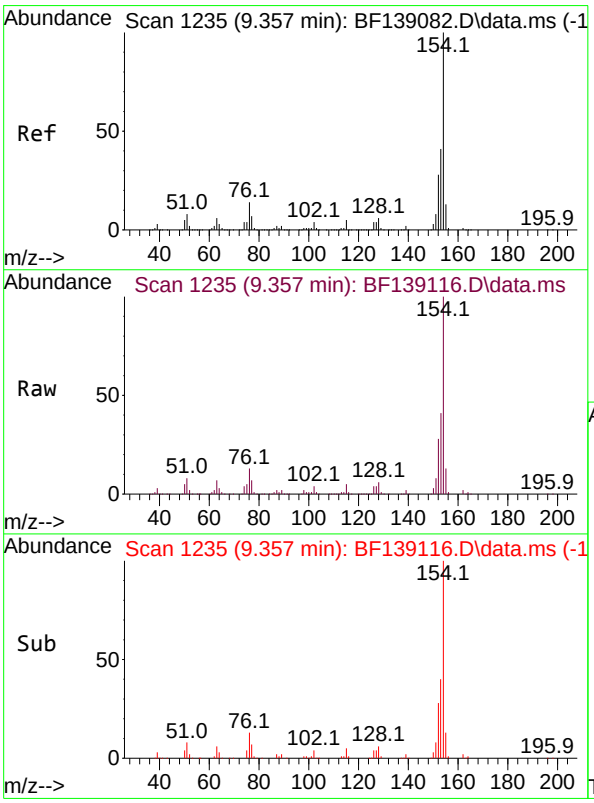
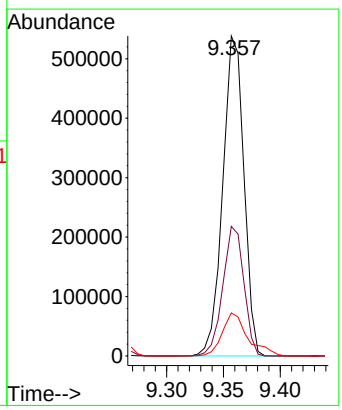
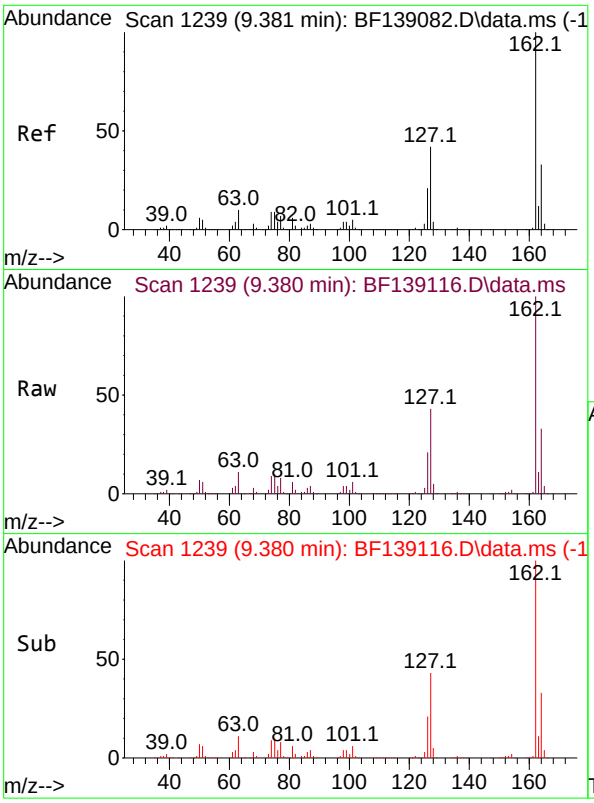


#46
1,1'-Biphenyl
Concen: 47.586 ng
RT: 9.357 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:154 Resp: 696322

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.6	60.6
76	13.5	0.0	33.6

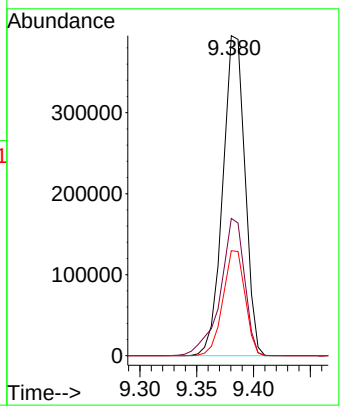




#47
2-Chloronaphthalene
Concen: 45.162 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:162 Resp: 53697

Ion	Ratio	Lower	Upper
162	100		
127	42.9	33.8	50.6
164	32.8	26.3	39.5



Instrument :
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ClientSampleId :
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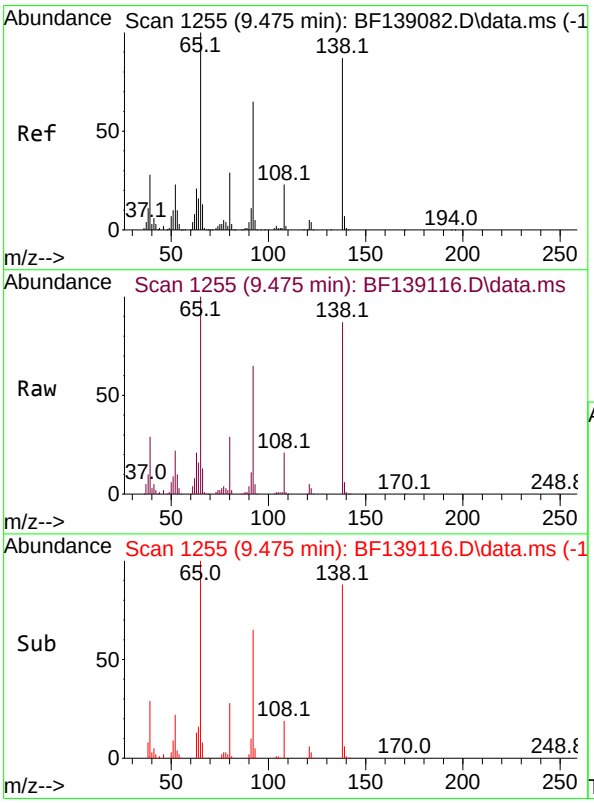
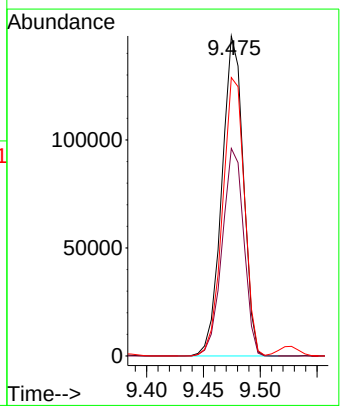
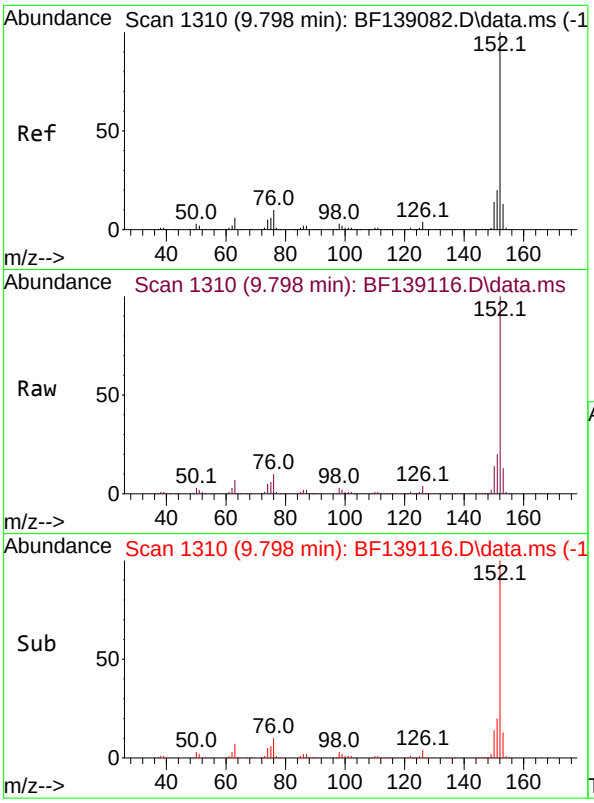


#48
2-Nitroaniline
Concen: 56.072 ng
RT: 9.475 min Scan# 1255
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 65 Resp: 194753

Ion	Ratio	Lower	Upper
65	100		
92	64.9	52.4	78.6
138	87.0	69.4	104.0

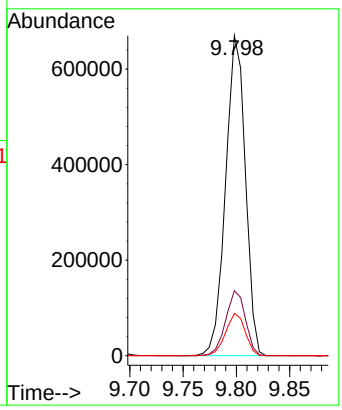




#49
Acenaphthylene
Concen: 50.777 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:152 Resp: 86483

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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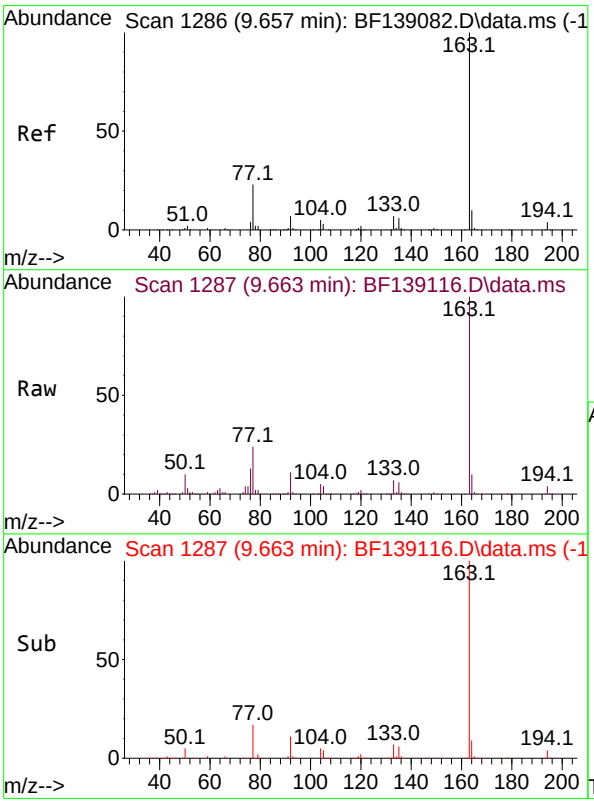
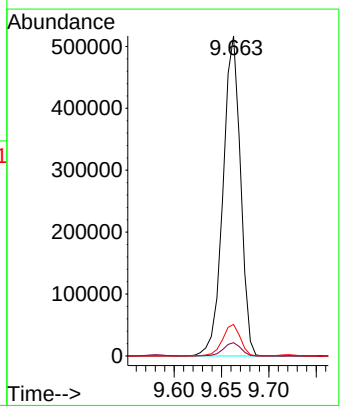
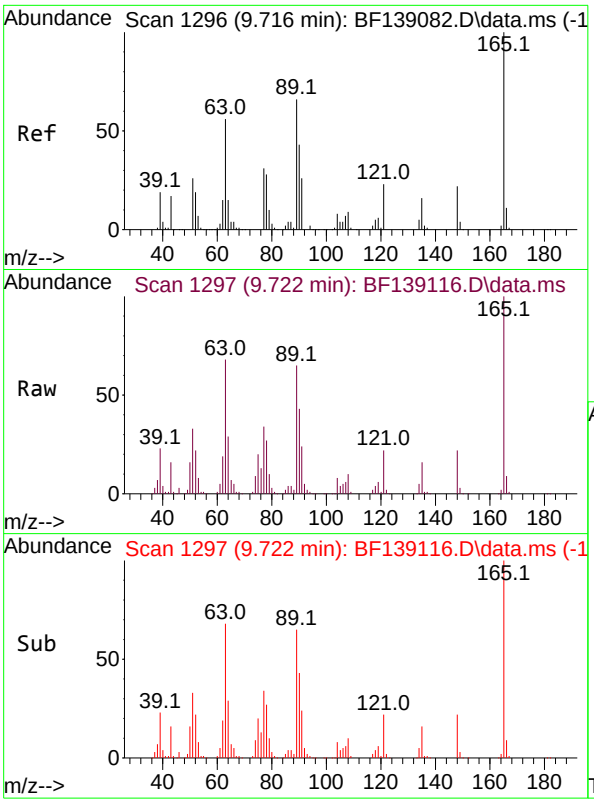


#50
Dimethylphthalate
Concen: 50.384 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:163 Resp: 664451

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 53.277 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:165 Resp: 14237

Ion	Ratio	Lower	Upper
165	100		
63	67.9	58.0	87.0
89	64.8	53.3	79.9

Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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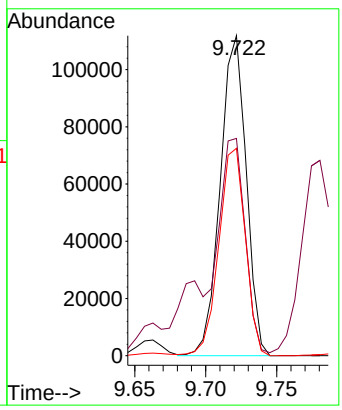
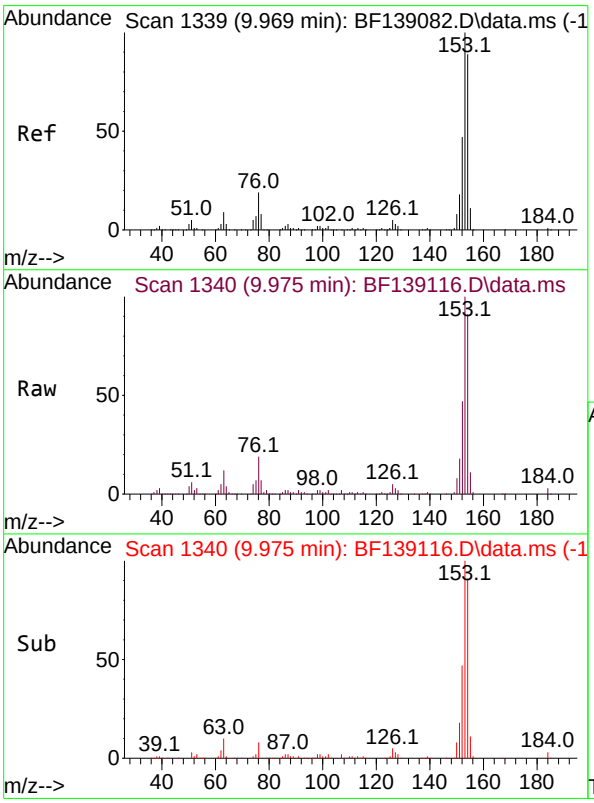
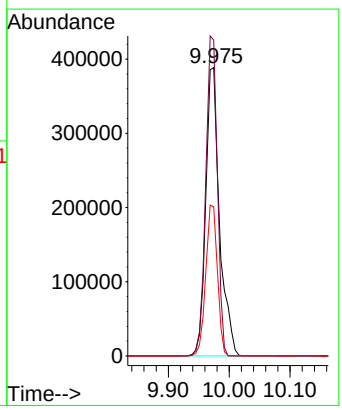


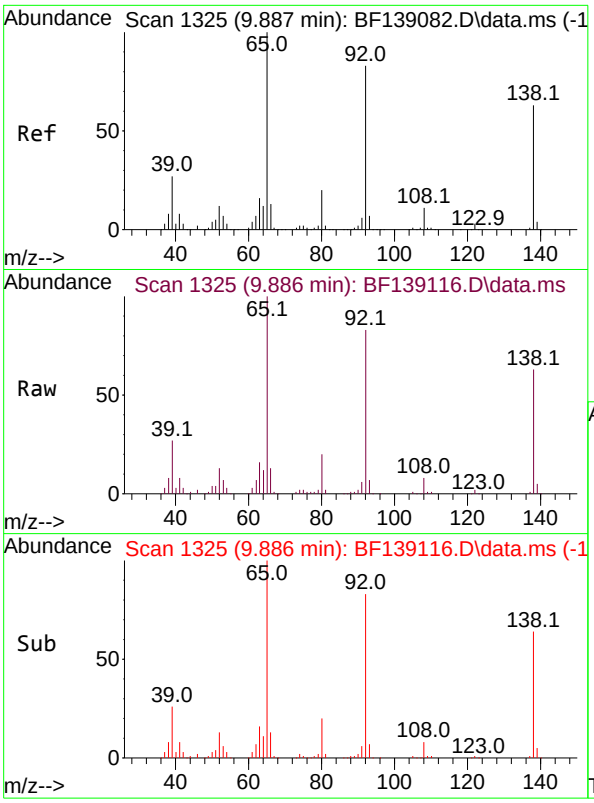


#52
Acenaphthene
Concen: 54.513 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:154 Resp: 613312

Ion	Ratio	Lower	Upper
154	100		
153	109.6	89.7	134.5
152	51.7	42.3	63.5





#53
3-Nitroaniline
Concen: 35.398 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:138 Resp: 9153

Ion	Ratio	Lower	Upper
138	100		
108	12.5	14.6	21.8#
92	130.7	105.9	158.9

Instrument :
BNA_F
ClientSampleId :
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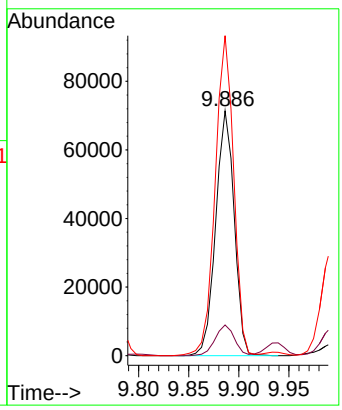
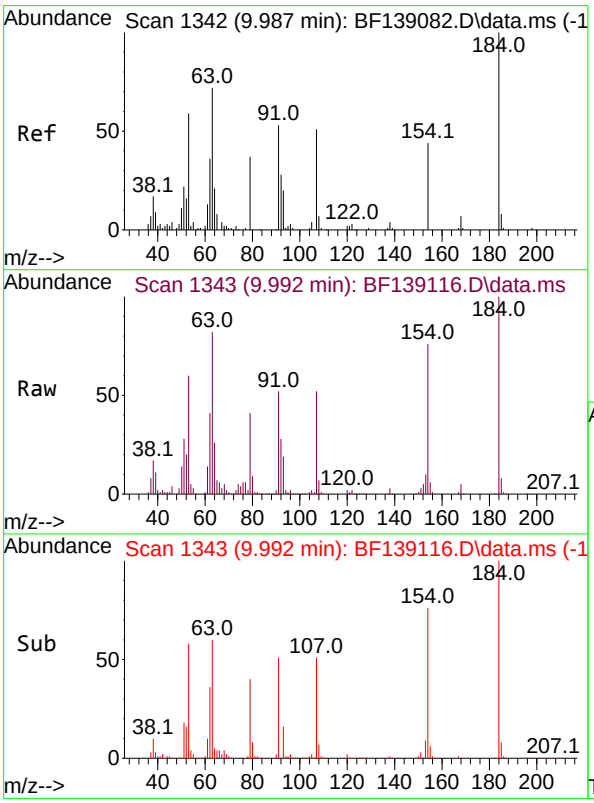
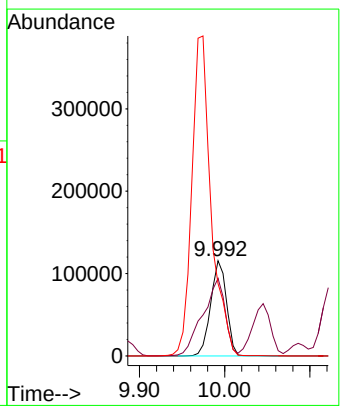


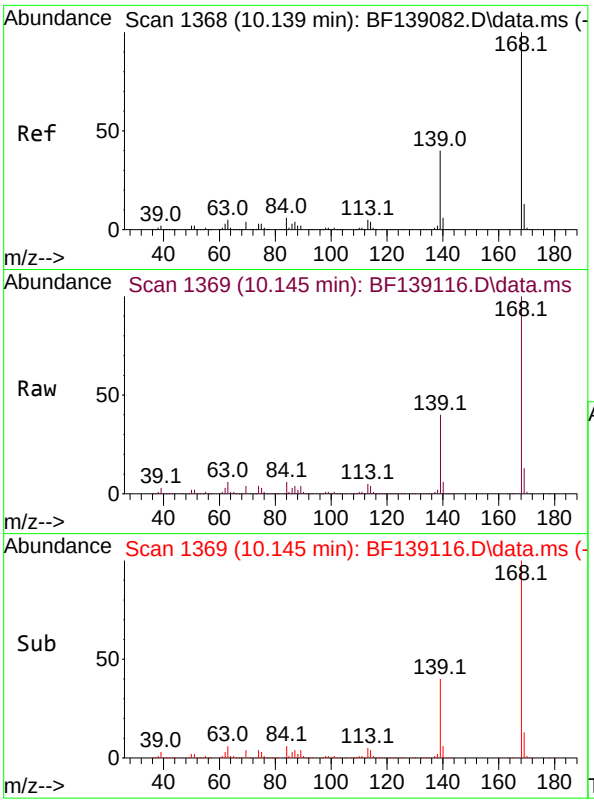


#54
2,4-Dinitrophenol
Concen: 107.436 ng
RT: 9.992 min Scan# 1343
Delta R.T. 0.005 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:184 Resp: 149588

Ion	Ratio	Lower	Upper
184	100		
63	81.6	70.5	105.7
154	76.1	135.0	202.6#





#55
Dibenzofuran
Concen: 48.319 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:168 Resp: 78961

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.6	47.4
169	13.4	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
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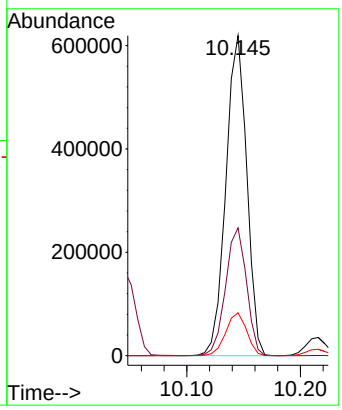
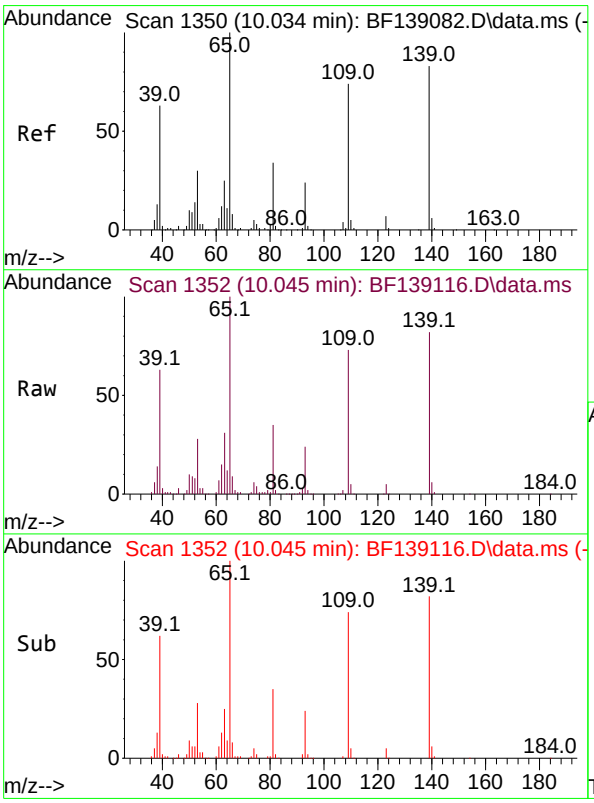
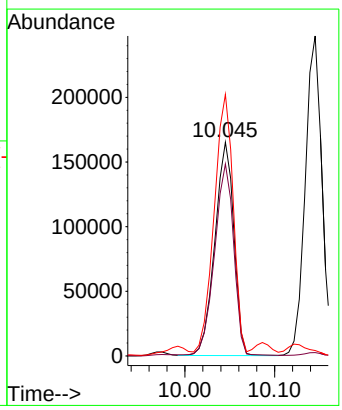


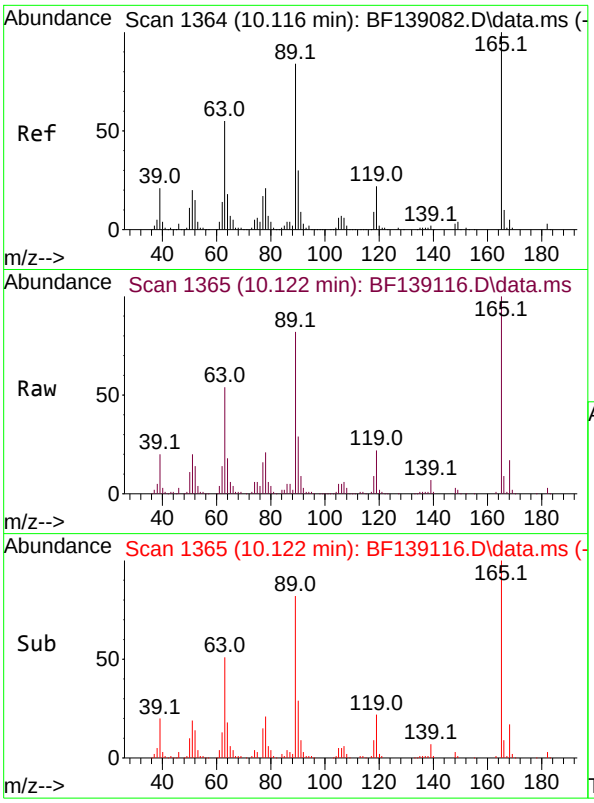


#56
4-Nitrophenol
Concen: 122.011 ng
RT: 10.045 min Scan# 1352
Delta R.T. 0.011 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:139 Resp: 243217

Ion	Ratio	Lower	Upper
139	100		
109	89.8	68.8	108.8
65	122.4	101.3	141.3

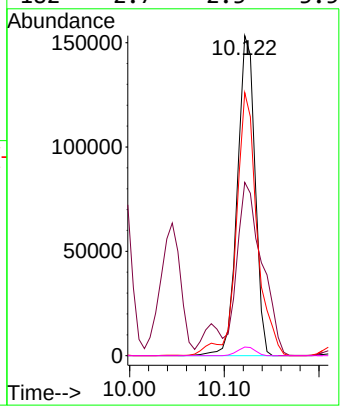




#57
2,4-Dinitrotoluene
Concen: 58.571 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:165 Resp: 19881

Ion	Ratio	Lower	Upper
165	100		
63	54.2	44.2	66.4
89	82.2	67.4	101.2
182	2.7	2.3	3.5



Instrument :
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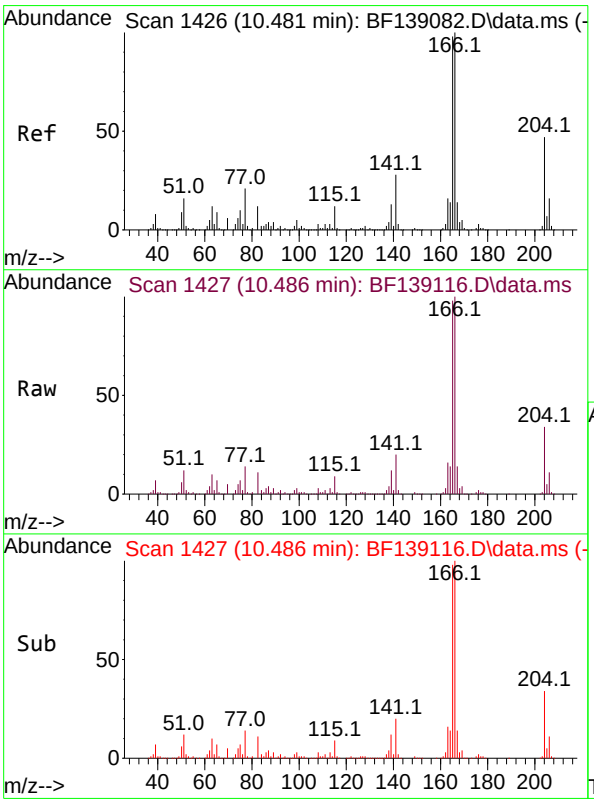
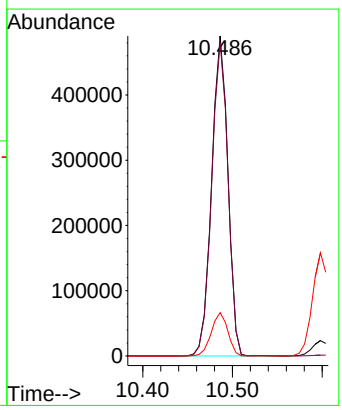
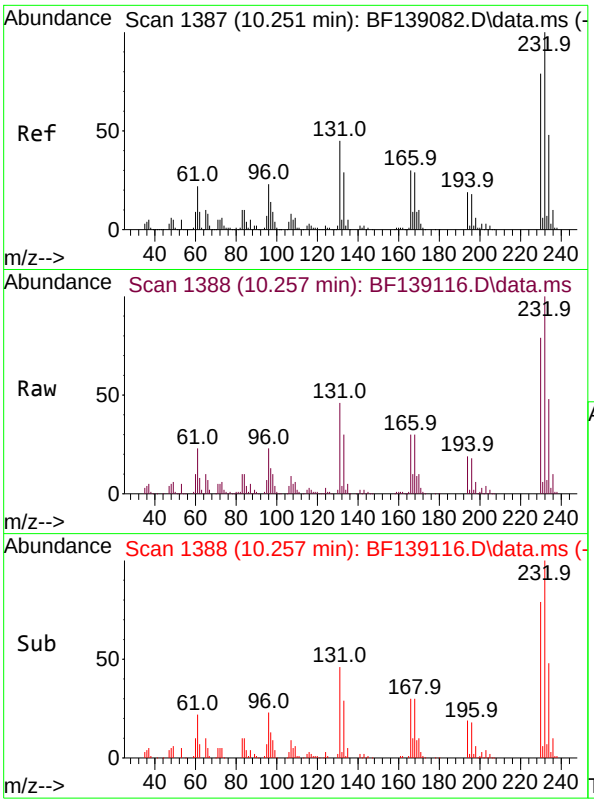


#58
Fluorene
Concen: 47.364 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:166 Resp: 618565

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.0	117.0
167	13.5	11.0	16.4

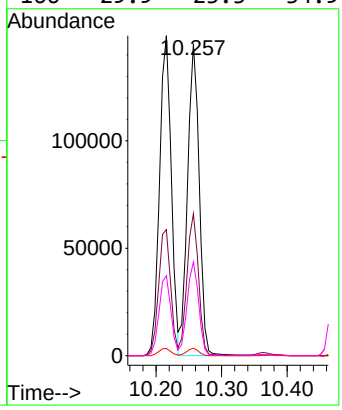




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.930 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:232 Resp: 17866

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.0	54.0
130	2.4	2.0	3.0
166	29.9	23.3	34.9



Instrument :
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ClientSampleId :
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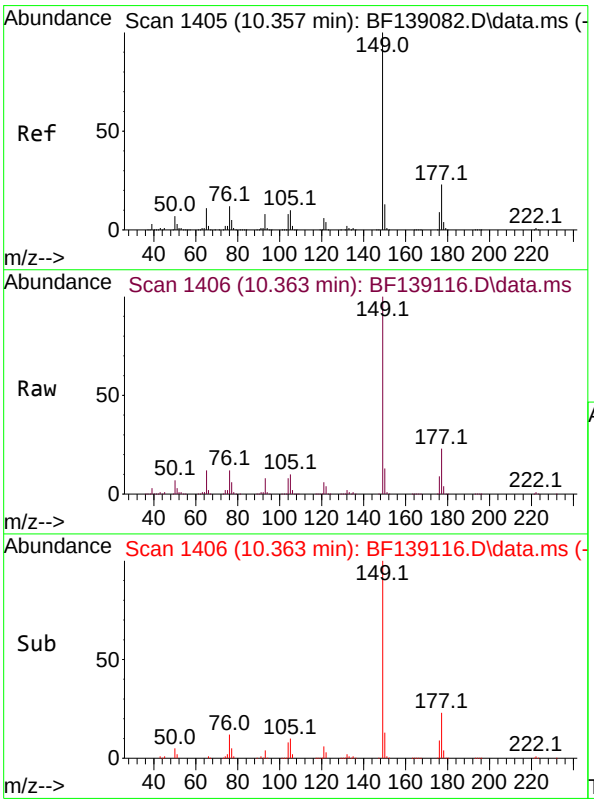
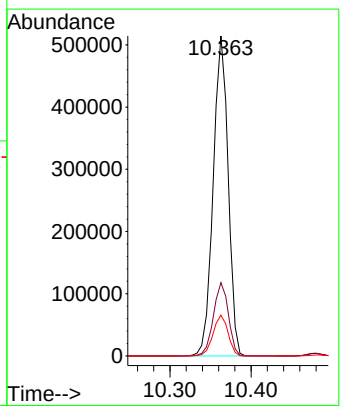
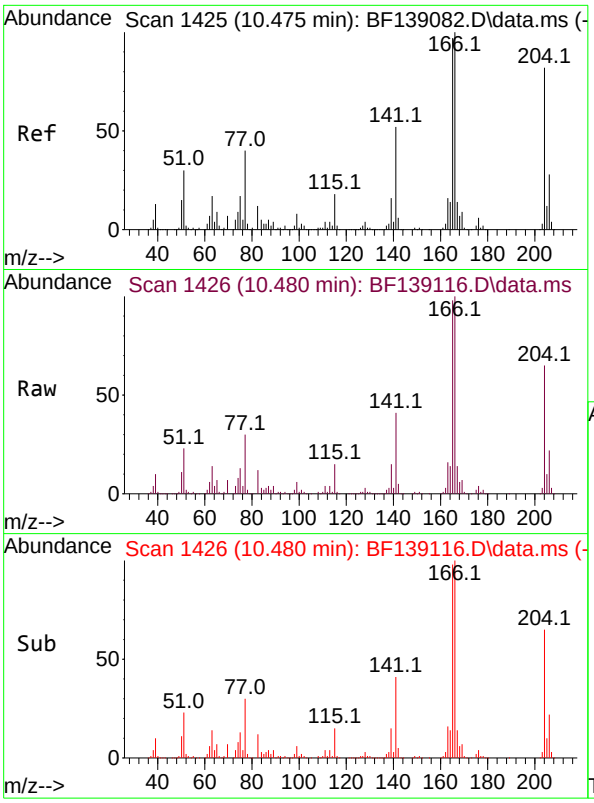


#60
Diethylphthalate
Concen: 50.343 ng
RT: 10.363 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:149 Resp: 657819

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.4	27.6
150	12.7	10.2	15.2

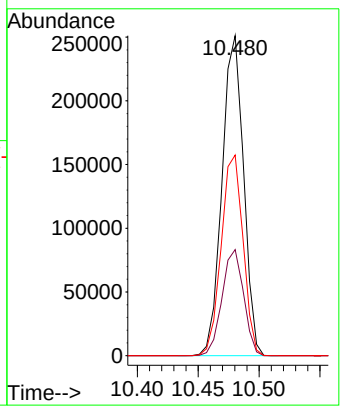




#61
4-Chlorophenyl-phenylether
Concen: 47.381 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:204 Resp: 30904

Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.0	40.4
141	62.7	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
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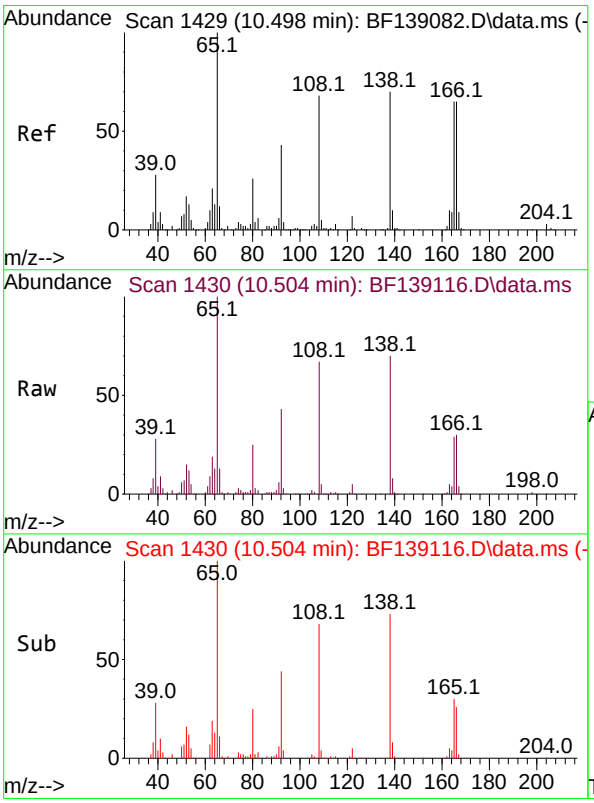
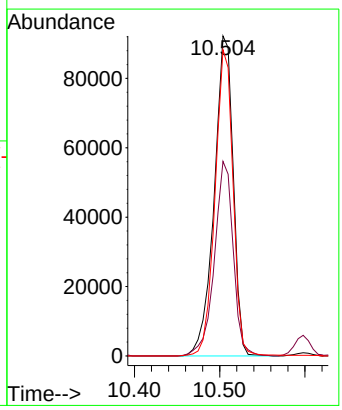
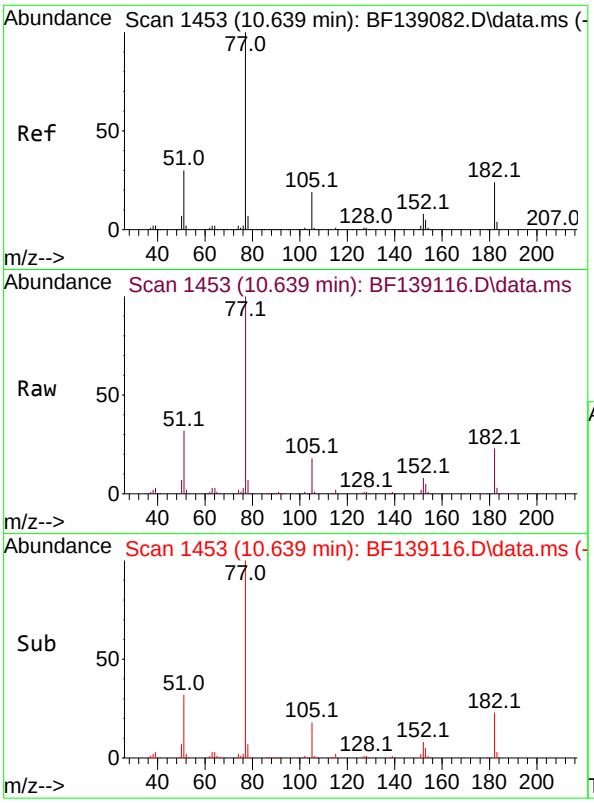


#62
4-Nitroaniline
Concen: 52.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:138 Resp: 142902

Ion	Ratio	Lower	Upper
138	100		
92	60.8	41.4	81.4
108	95.7	76.8	116.8

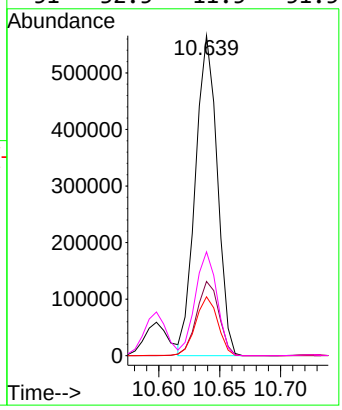




#63
Azobenzene
Concen: 48.591 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion: 77 Resp: 70558

Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.0	44.0
105	18.4	0.0	39.1
51	32.5	11.5	51.5



Instrument :
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ClientSampleId :
PB162687BSD

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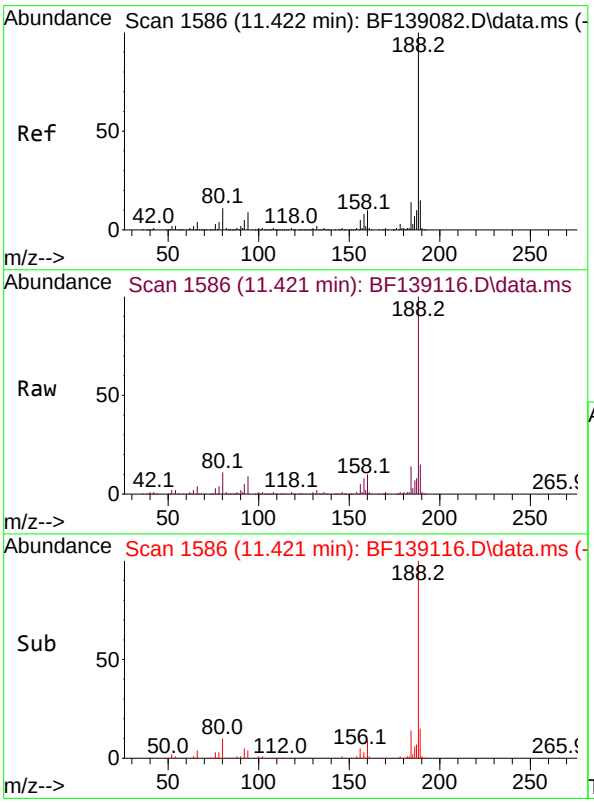
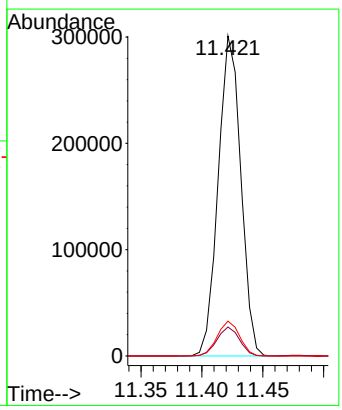
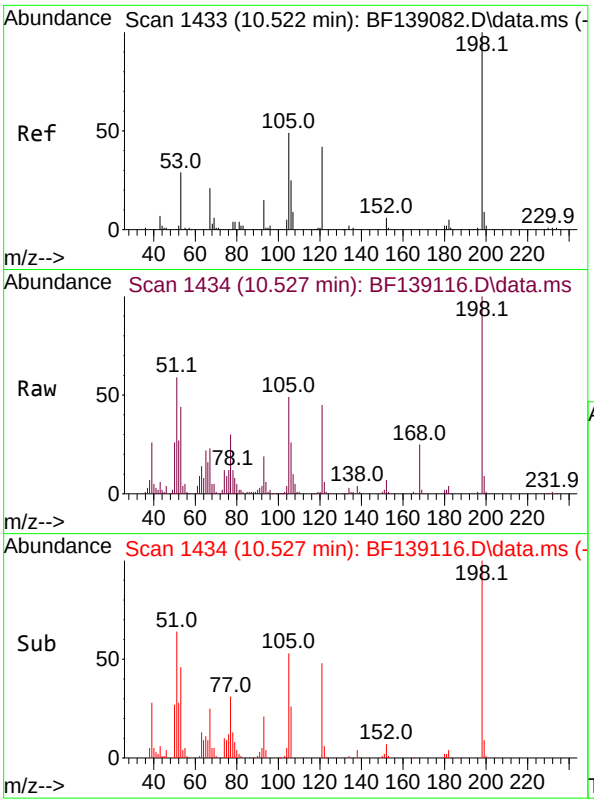


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:188 Resp: 389288

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.9	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 63.065 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:198 Resp: 9792

Ion	Ratio	Lower	Upper
198	100		
51	59.2	40.8	80.8
105	48.8	30.9	70.9

Instrument :
BNA_F
ClientSampleId :
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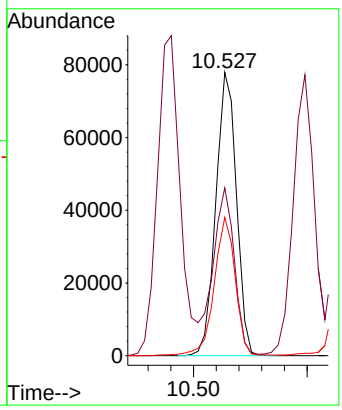
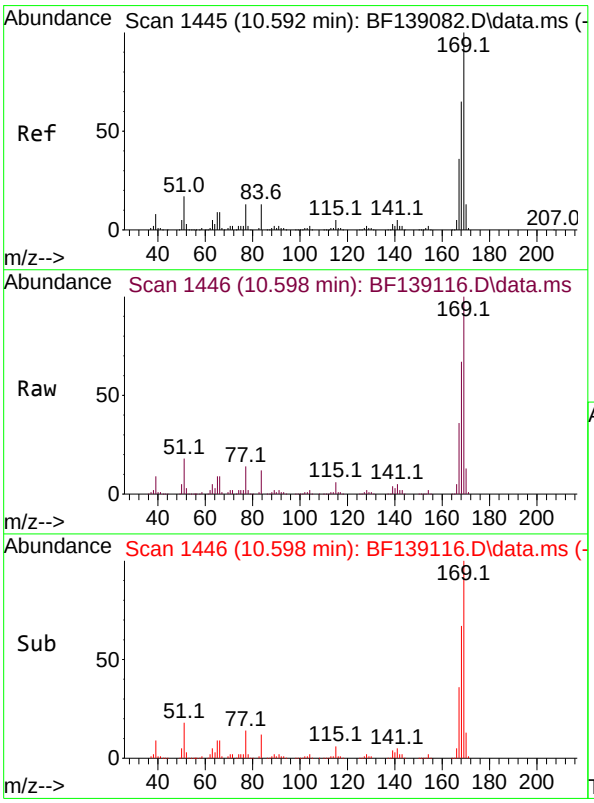
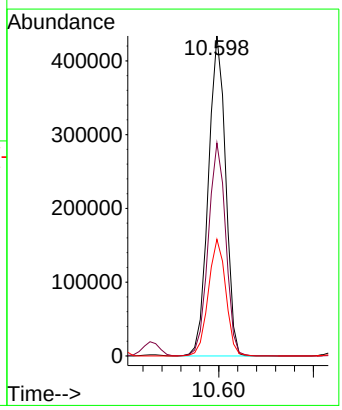


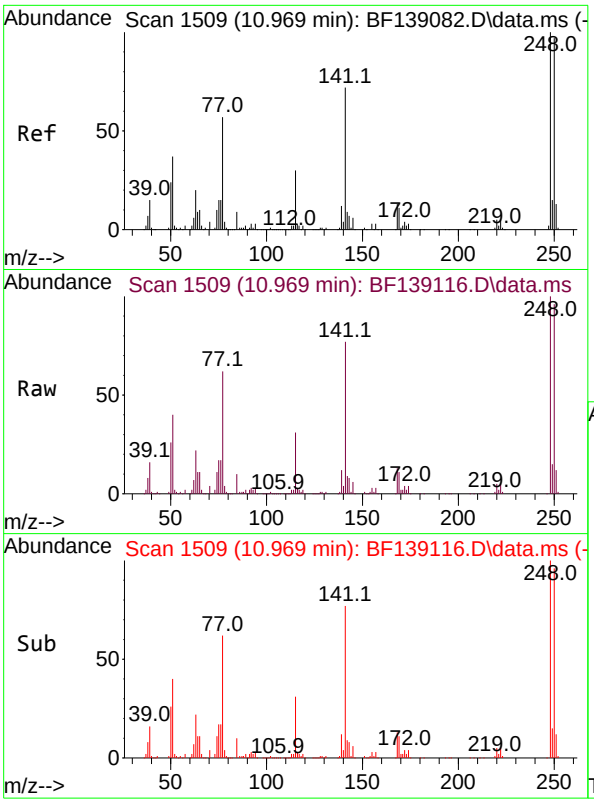


#66
n-Nitrosodiphenylamine
Concen: 47.544 ng
RT: 10.598 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:169 Resp: 547650

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.4	78.6
167	36.4	28.6	43.0

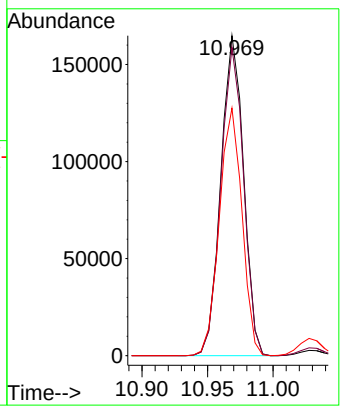




#67
4-Bromophenyl-phenylether
Concen: 48.101 ng
RT: 10.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:248 Resp: 19841

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.8	116.8
141	77.3	57.9	86.9



Instrument :
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ClientSampleId :
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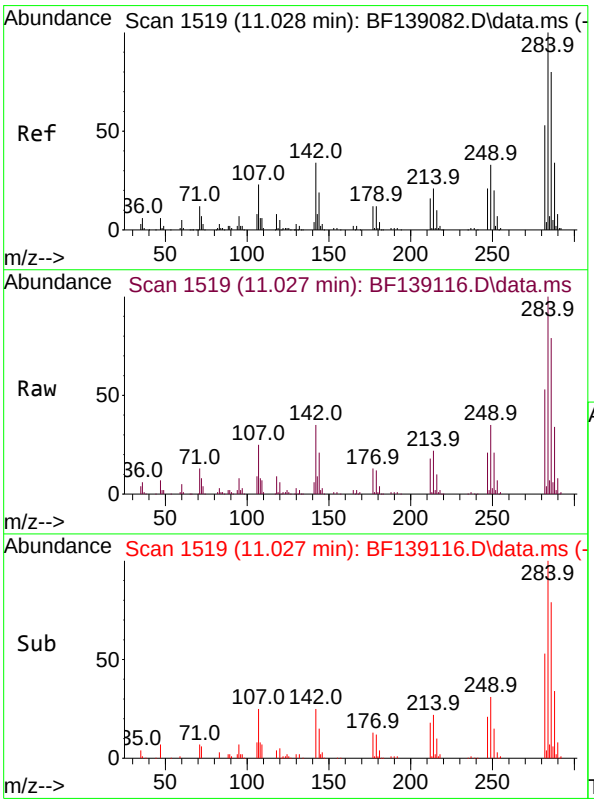
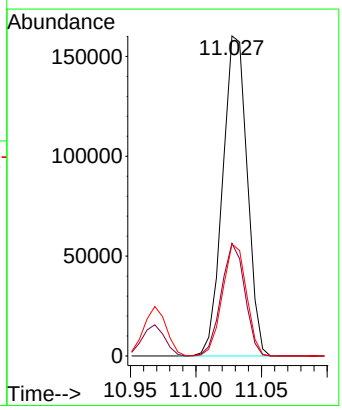
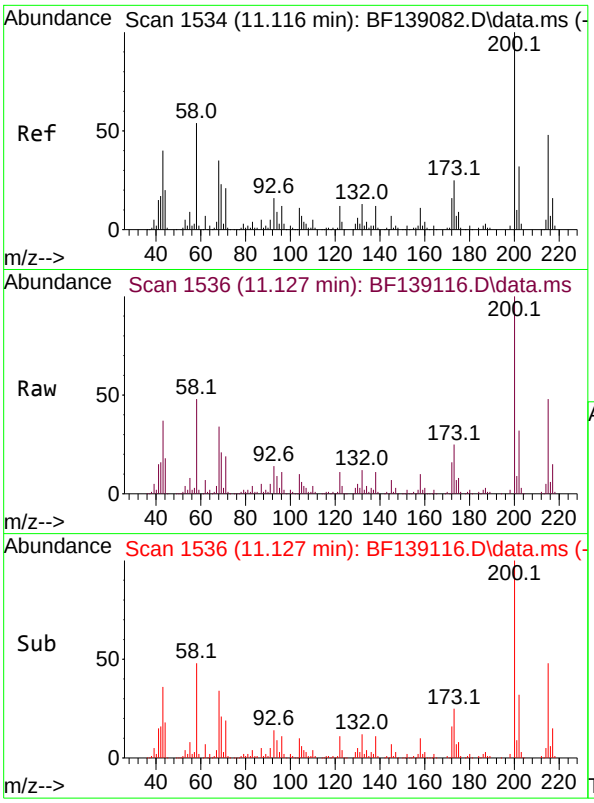


#68
Hexachlorobenzene
Concen: 47.181 ng
RT: 11.027 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:284 Resp: 208797

Ion	Ratio	Lower	Upper
284	100		
142	35.2	27.1	40.7
249	35.0	26.8	40.2

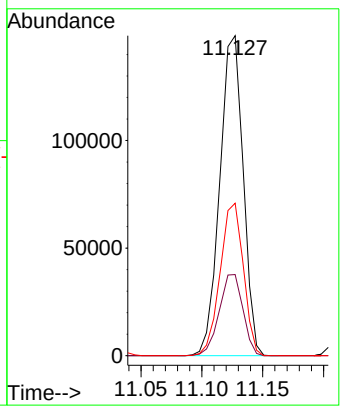




#69
Atrazine
Concen: 56.569 ng
RT: 11.127 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:200 Resp: 19900

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.2	45.2
215	47.7	27.9	67.9



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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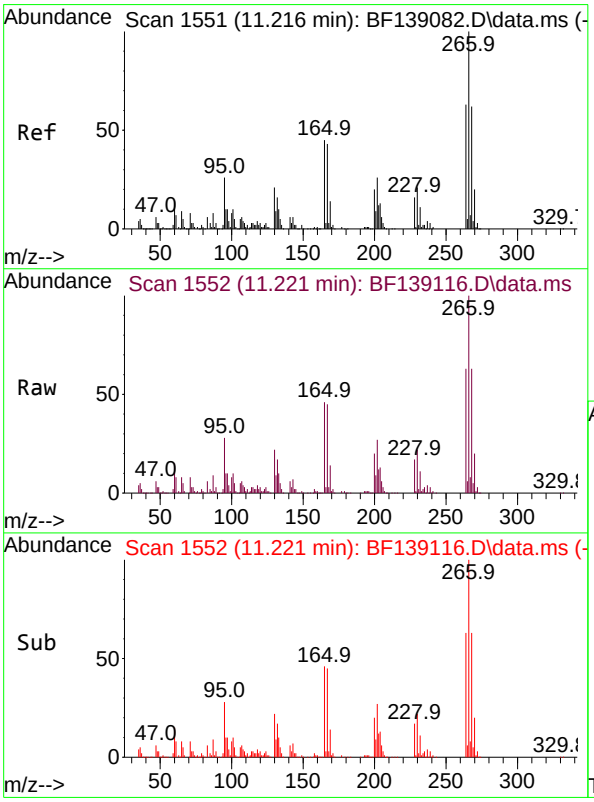
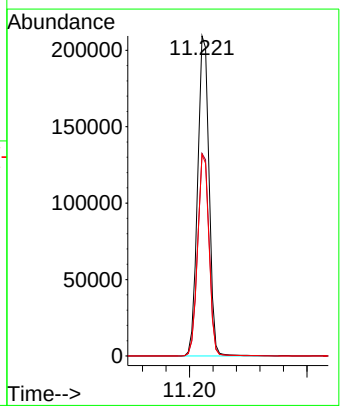
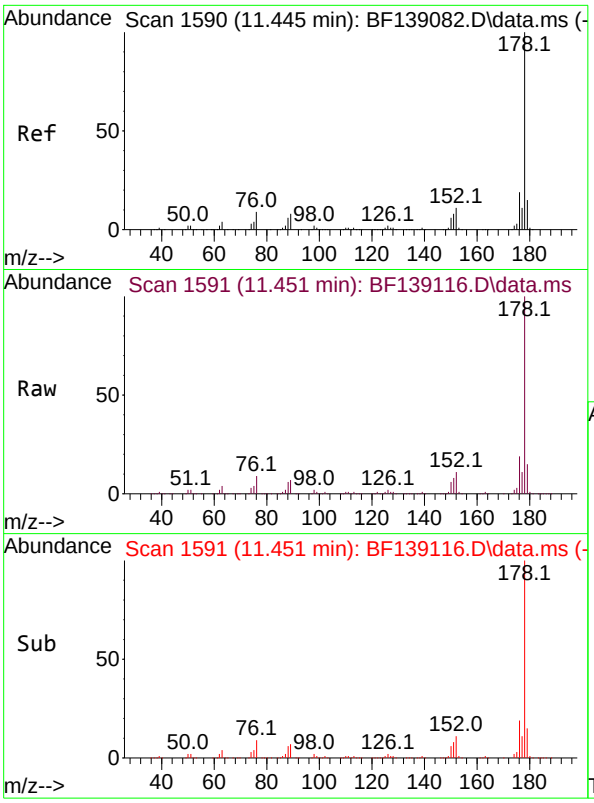


#70
Pentachlorophenol
Concen: 99.765 ng
RT: 11.221 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:266 Resp: 282024

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.5	74.3
264	63.0	50.0	75.0

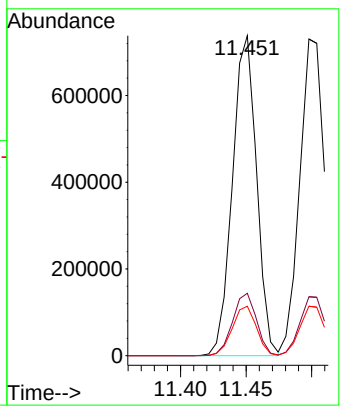




#71
Phenanthrene
Concen: 47.779 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:178 Resp: 94539

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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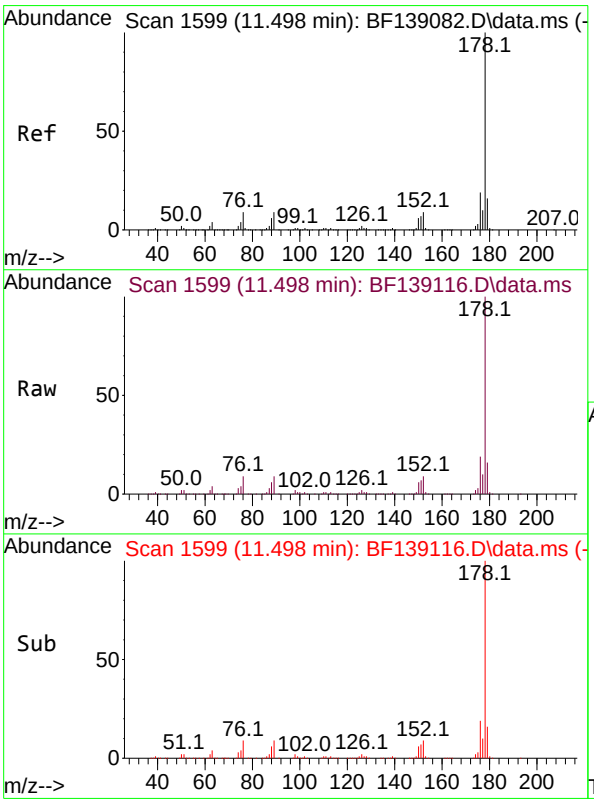
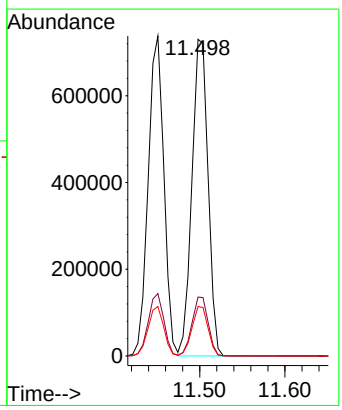
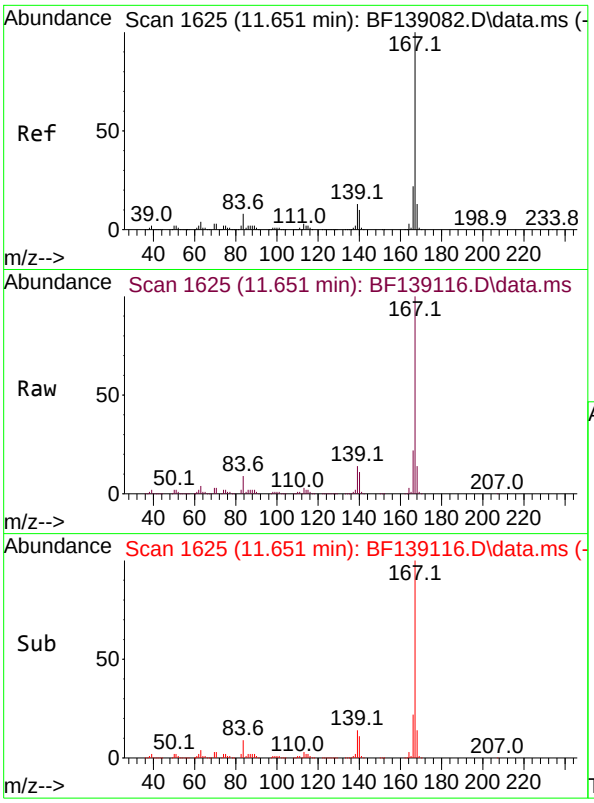


#72
Anthracene
Concen: 49.573 ng
RT: 11.498 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:178 Resp: 959275

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.6	12.4	18.6

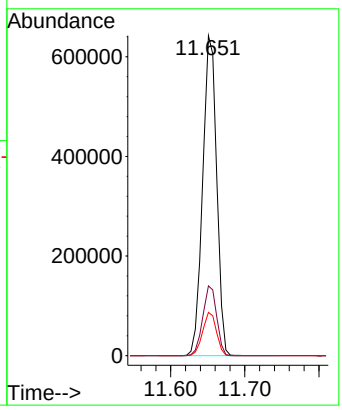




#73
Carbazole
Concen: 46.606 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:167 Resp: 84213

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.5	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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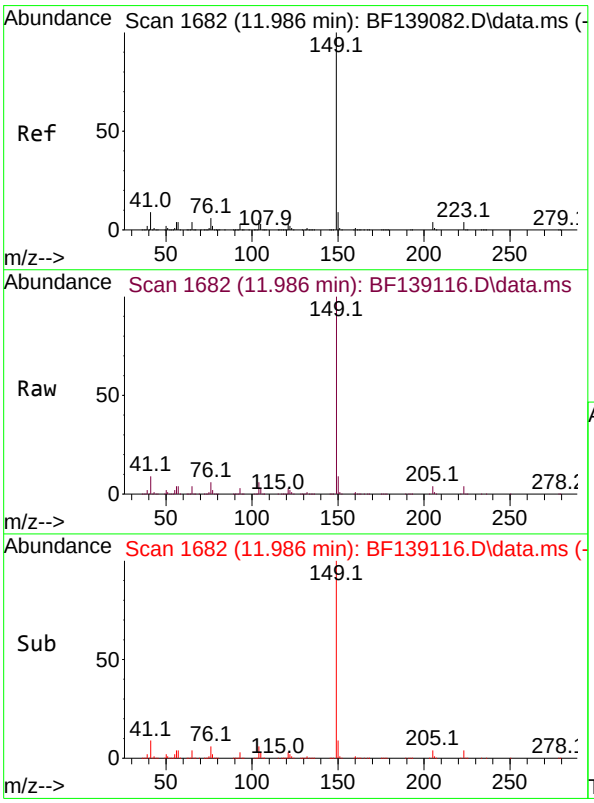
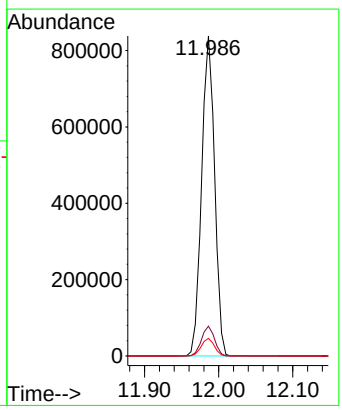
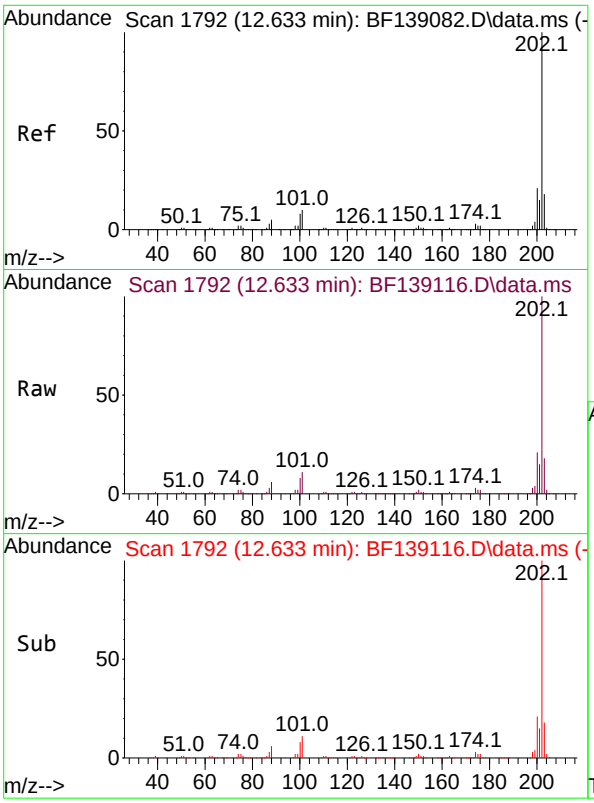


#74
Di-n-butylphthalate
Concen: 48.812 ng
RT: 11.986 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:149 Resp: 1022711

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.5	4.3	6.5

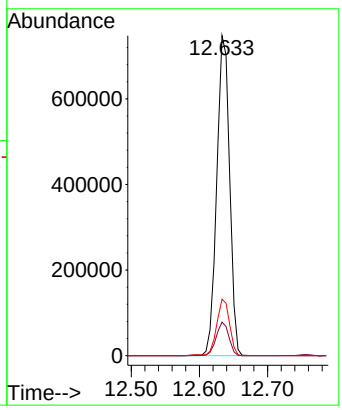




#75
Fluoranthene
Concen: 46.384 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:202 Resp: 97959

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.6	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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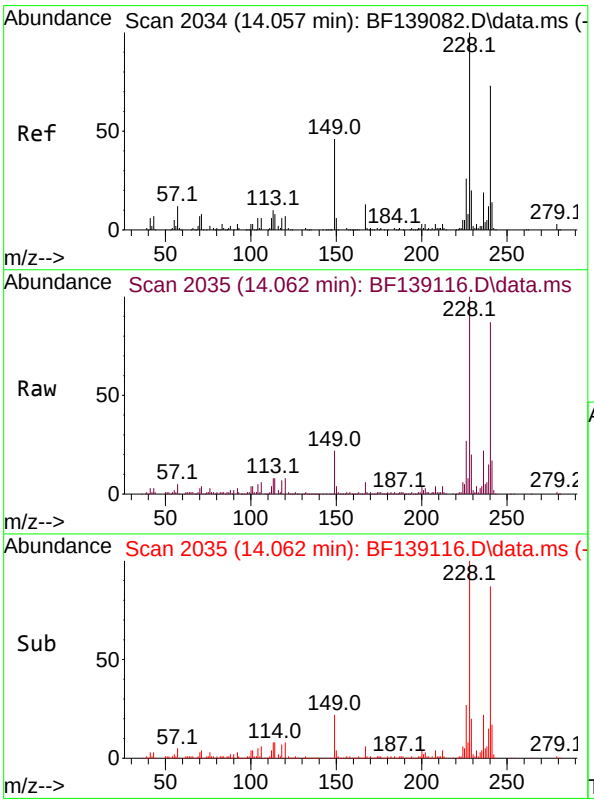
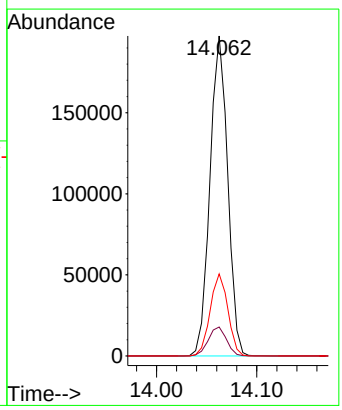
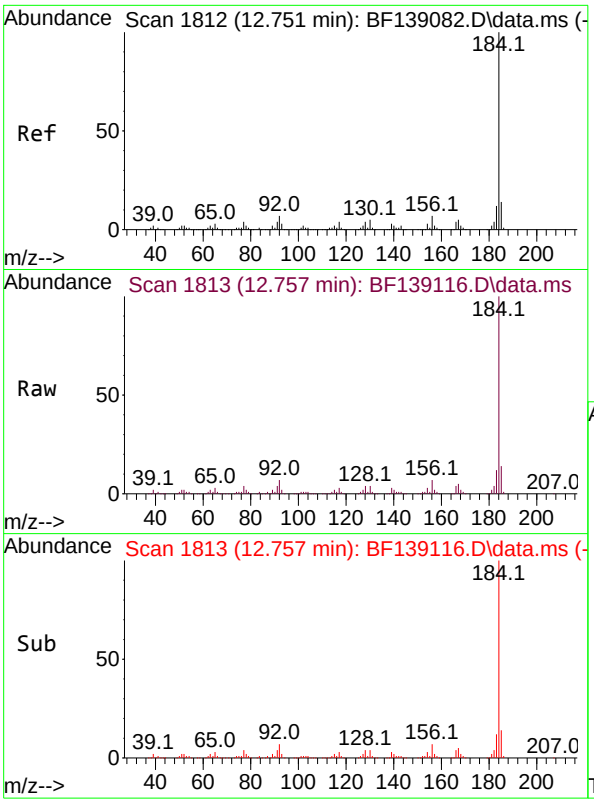


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:240 Resp: 242651

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.8	11.6
236	25.7	20.9	31.3

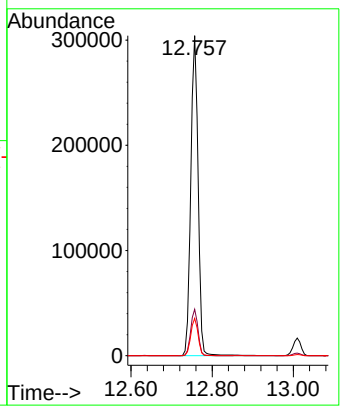




#77
Benzidine
Concen: 75.760 ng
RT: 12.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:184 Resp: 37973

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	11.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

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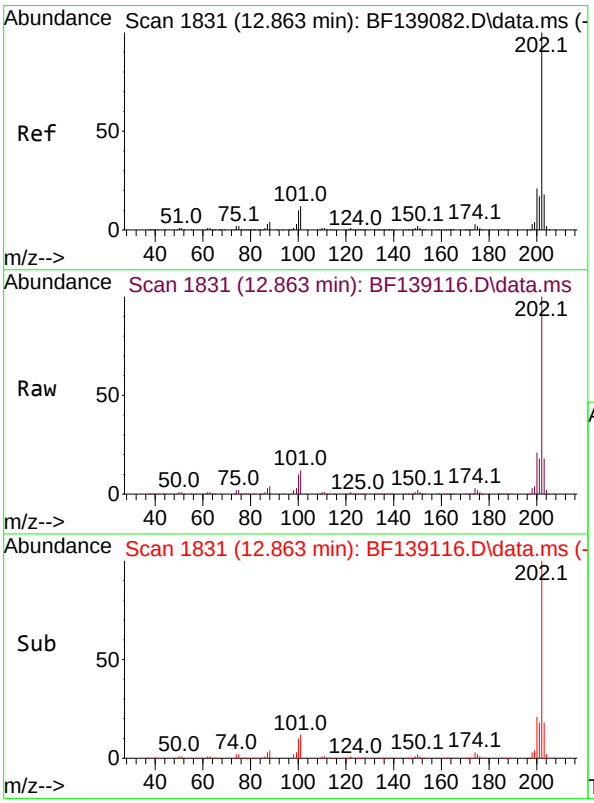
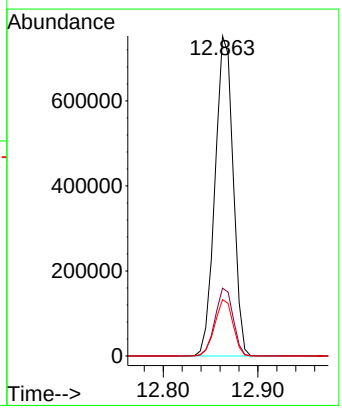
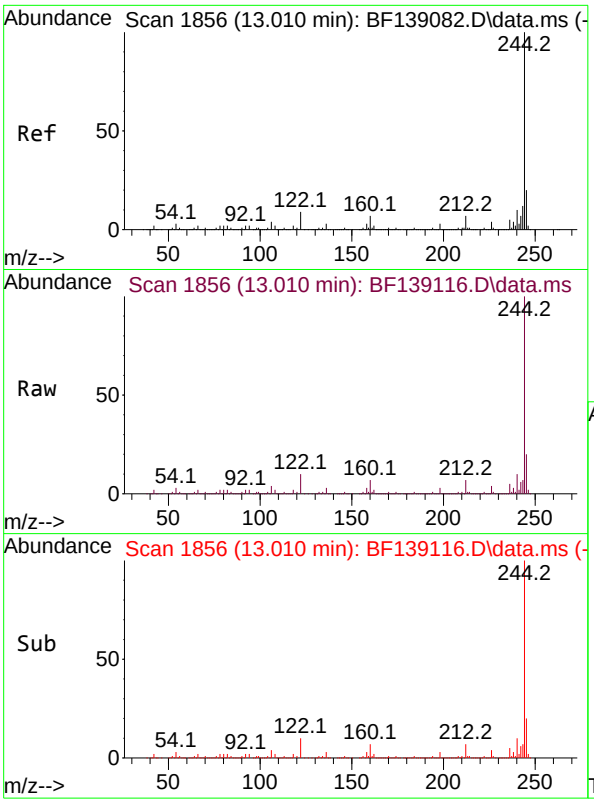


#78
Pyrene
Concen: 49.358 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:202 Resp: 999478

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	17.6	14.1	21.1

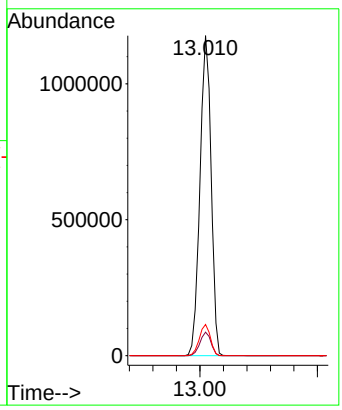




#79
Terphenyl-d14
Concen: 105.677 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:244 Resp: 154539

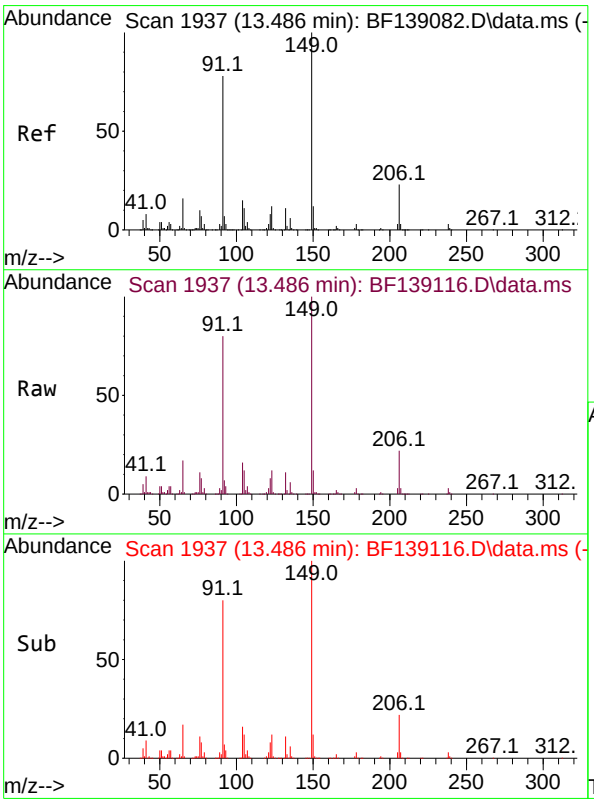
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.7	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

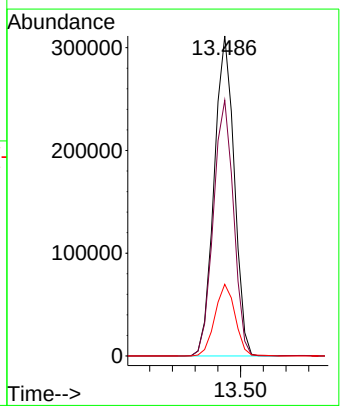
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

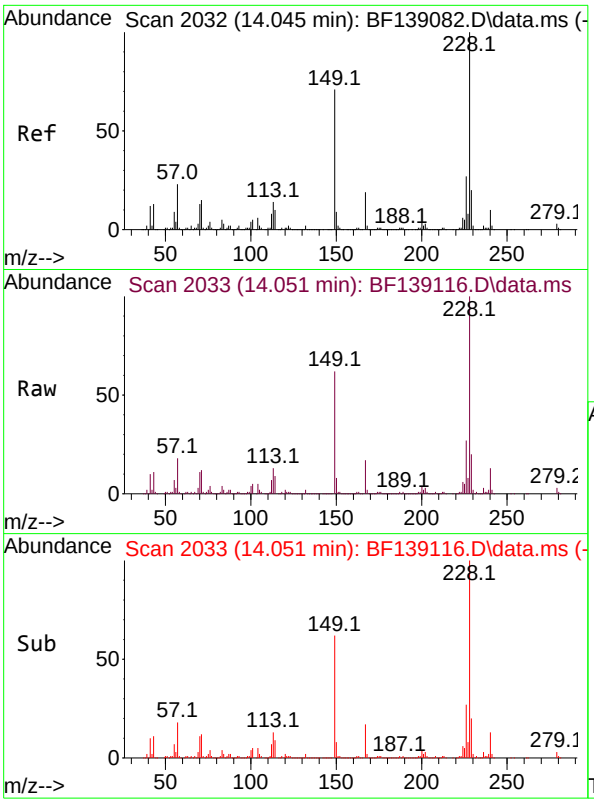


#80
Butylbenzylphthalate
Concen: 54.691 ng
RT: 13.486 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:149 Resp: 383145

Ion	Ratio	Lower	Upper
149	100		
91	79.9	62.1	93.1
206	22.4	18.0	27.0

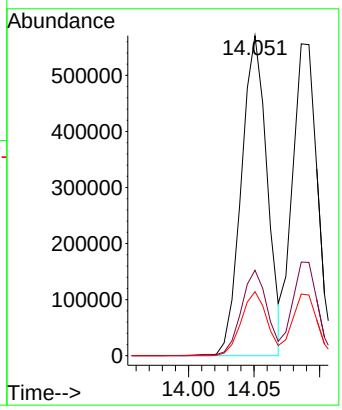




#81
Benzo(a)anthracene
Concen: 48.969 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:228 Resp: 78110

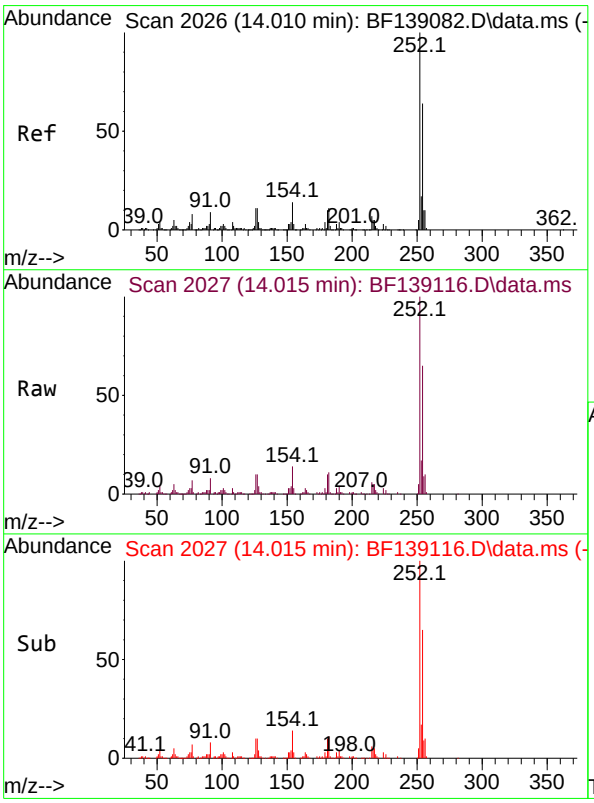
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

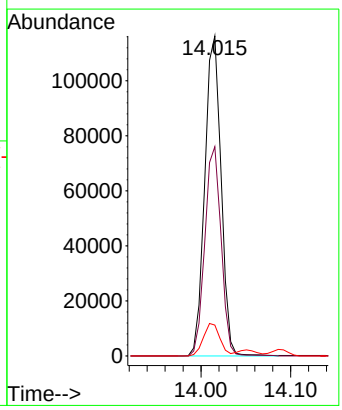
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

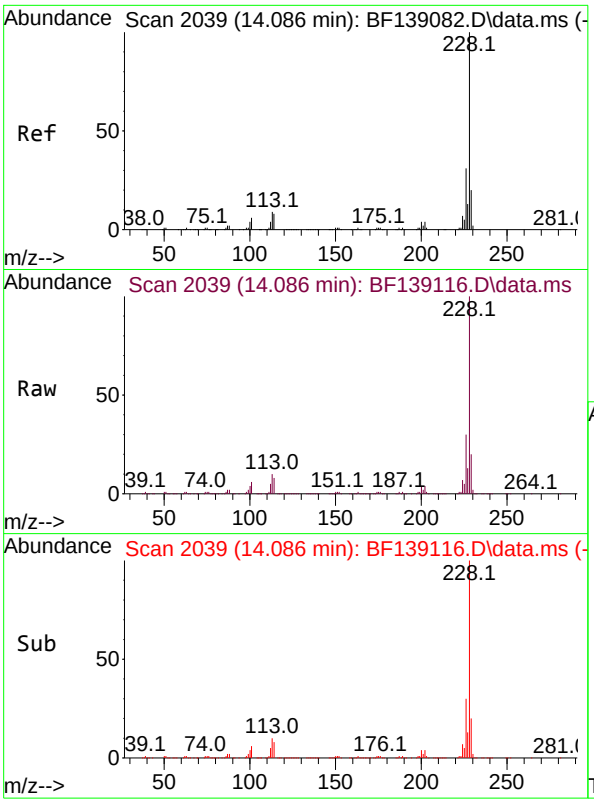


#82
3,3'-Dichlorobenzidine
Concen: 32.907 ng
RT: 14.015 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:252 Resp: 146719

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.4	77.0
126	9.6	8.6	12.8

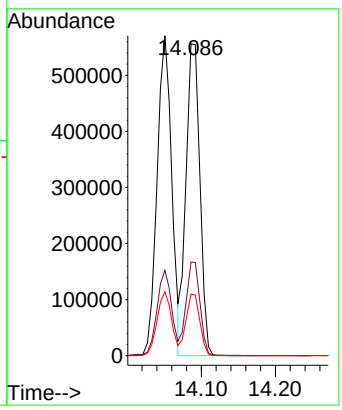




#83
Chrysene
Concen: 50.417 ng
RT: 14.086 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:228 Resp: 72893(

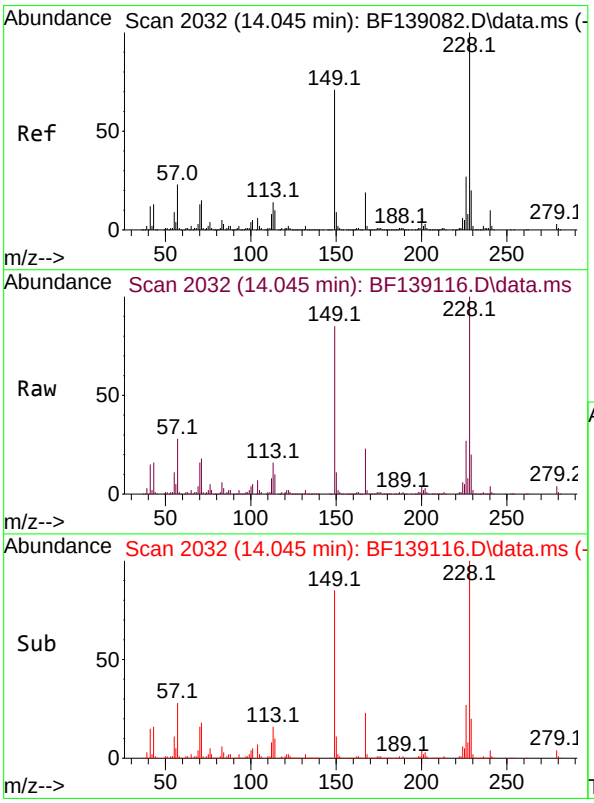
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	19.7	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

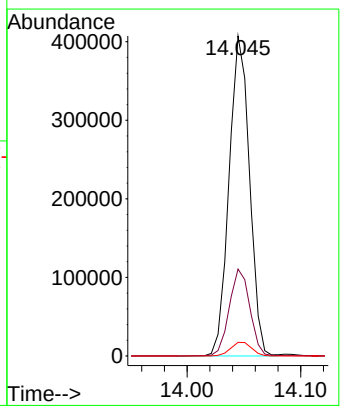
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

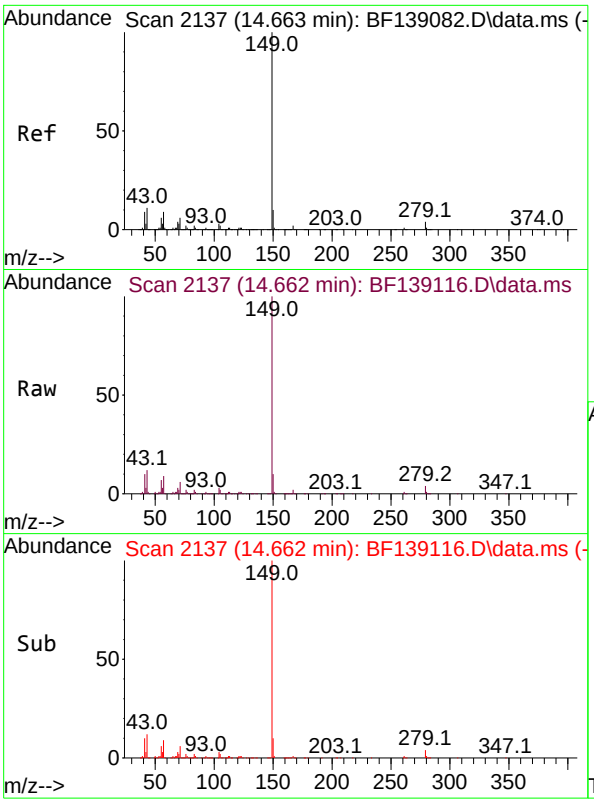


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.769 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:149 Resp: 508659

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.6
279	4.2	3.5	5.3

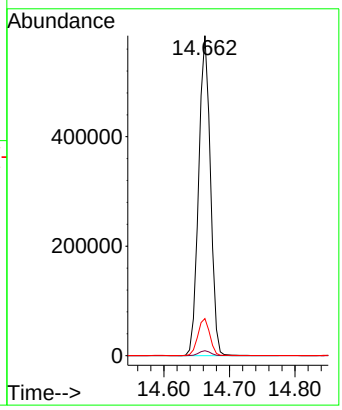




#85
Di-n-octyl phthalate
Concen: 56.191 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:149 Resp: 73244

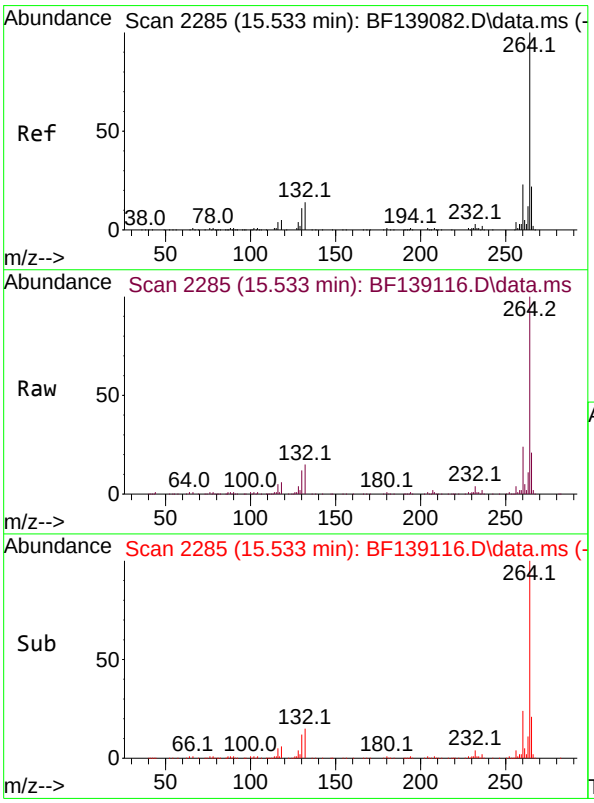
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

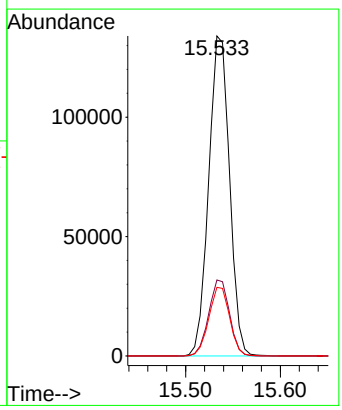
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

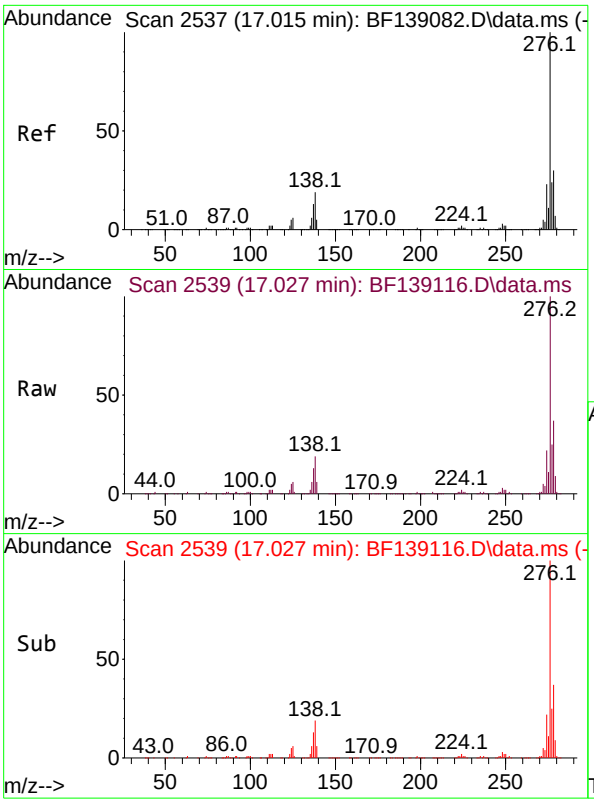


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:264 Resp: 204282

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.4	17.4	26.2

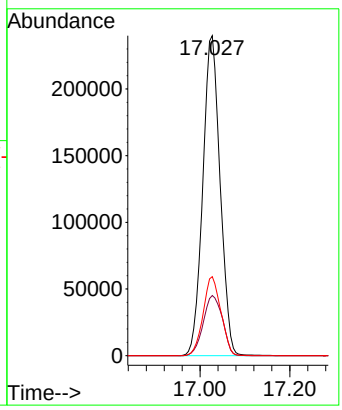




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.774 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.011 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:276 Resp: 64290

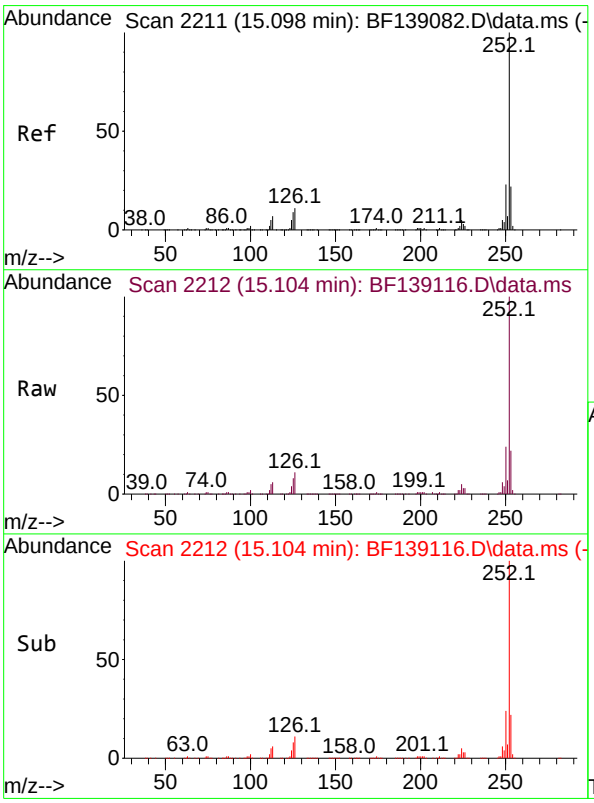
Ion	Ratio	Lower	Upper
276	100		
138	20.8	17.3	25.9
277	25.3	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

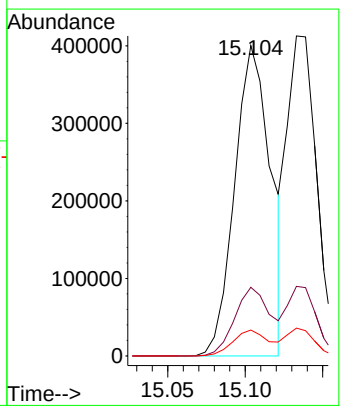
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

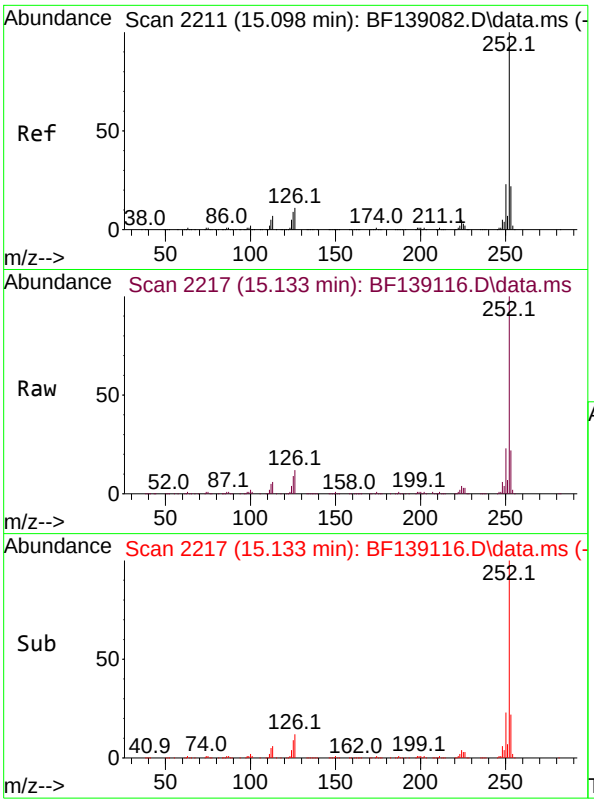


#88
Benzo(b)fluoranthene
Concen: 48.649 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:252 Resp: 647901

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	8.4	7.0	10.6

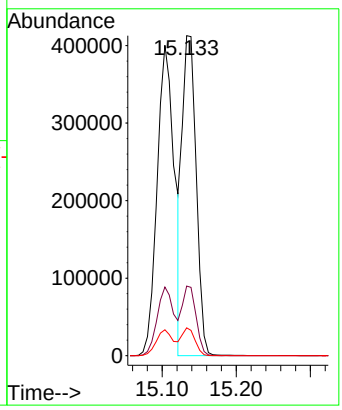




#89
Benzo(k)fluoranthene
Concen: 48.884 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:252 Resp: 54222

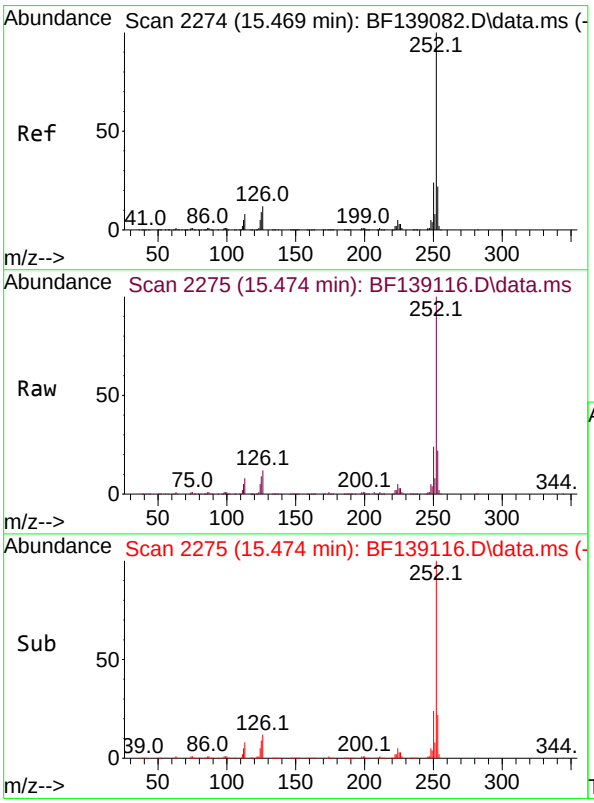
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.7	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

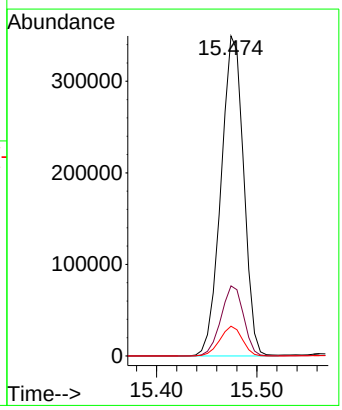
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024

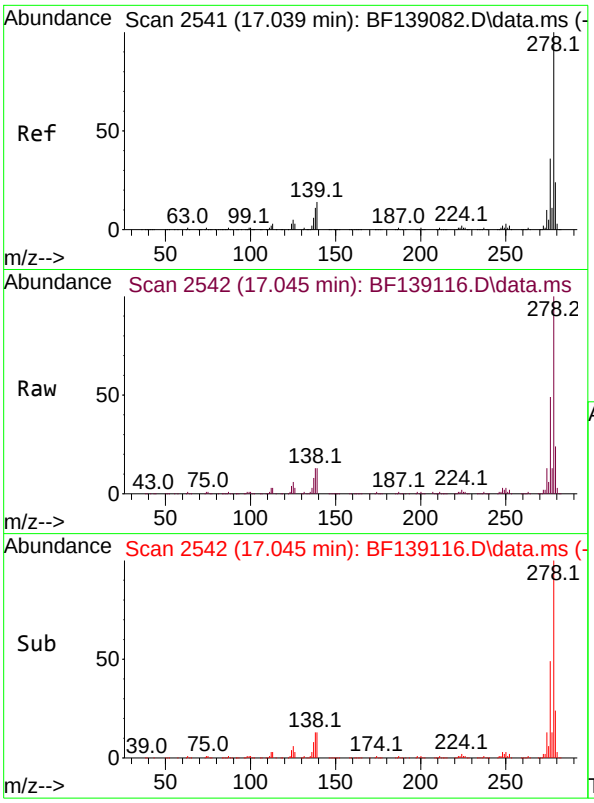


#90
Benzo(a)pyrene
Concen: 52.053 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:252 Resp: 547775

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	9.3	7.4	11.2

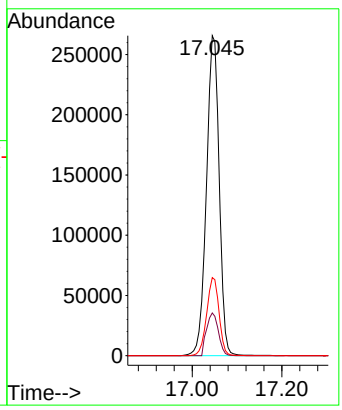




#91
Dibenzo(a,h)anthracene
Concen: 53.405 ng
RT: 17.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:278 Resp: 52412

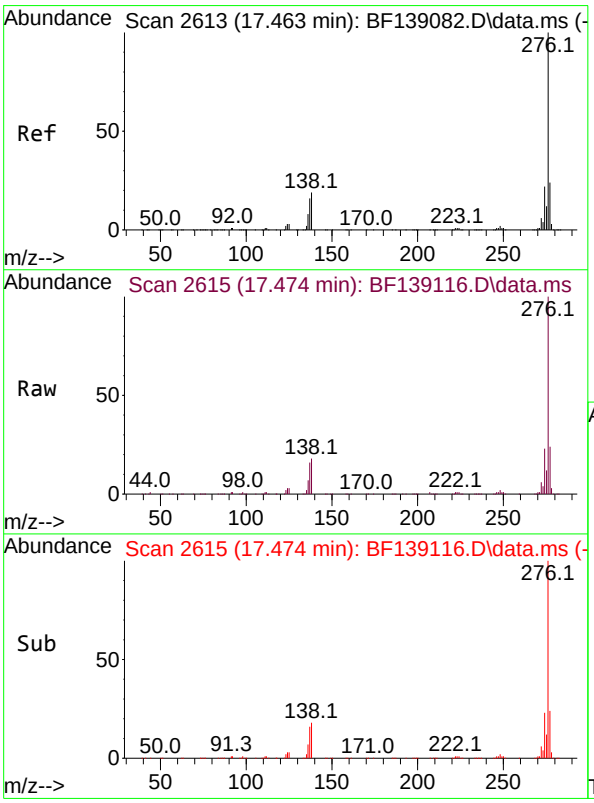
Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.8	16.2
279	24.4	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
PB162687BSD

Manual Integrations
APPROVED

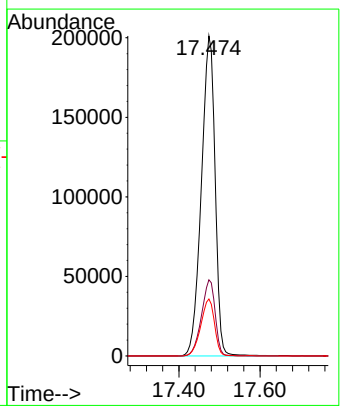
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/23/2024



#92
Benzo(g,h,i)perylene
Concen: 42.498 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.011 min
Lab File: BF139116.D
Acq: 22 Aug 2024 11:53

Tgt Ion:276 Resp: 472711

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	17.8	15.0	22.4



Raw Data: **BF139038.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-1-1.5-080924MS	SDG No.:	P3573
Lab Sample ID:	P3573-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139038.D	1	08/13/24 08:30	08/15/24 23:17	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	2000		99.9	210	ug/Kg
50-32-8	Benzo(a)pyrene	2300		120	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		100	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	62.1		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.2		30 (20) - 130 (109)	61%	SPK: 100
1718-51-0	Terphenyl-d14	61.4		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41100	6.834			
1146-65-2	Naphthalene-d8	165000	8.116			
15067-26-2	Acenaphthene-d10	90300	9.869			
1517-22-2	Phenanthrene-d10	146000	11.357			
1719-03-5	Chrysene-d12	76400	13.998			
1520-96-3	Perylene-d12	81500	15.463			

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: **BF139038.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139038.D
Acq On : 15 Aug 2024 23:17
Operator : RC/JU
Sample : P3573-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 16 00:49:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	41126	20.000	ng		-0.01
21) Naphthalene-d8	8.116	136	165281	20.000	ng		-0.01
39) Acenaphthene-d10	9.869	164	90313	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	145618	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	76395	20.000	ng		# 0.00
86) Perylene-d12	15.463	264	81462	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	242031	90.846	ng		0.00
7) Phenol-d6	6.487	99	326113	91.170	ng		0.00
23) Nitrobenzene-d5	7.404	82	209902	62.091	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	65822	88.975	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	368101	61.239	ng		-0.02
79) Terphenyl-d14	12.933	244	280234	61.416	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	49660	42.575	ng		95
3) Pyridine	3.416	79	118747	42.026	ng		92
4) n-Nitrosodimethylamine	3.387	42	95095	56.509	ng		81
6) Aniline	6.504	93	158379	49.649	ng	#	62
8) 2-Chlorophenol	6.628	128	140385	50.083	ng		99
9) Benzaldehyde	6.393	77	105853	49.367	ng		97
10) Phenol	6.498	94	186052	49.401	ng	#	73
11) bis(2-Chloroethyl)ether	6.575	93	134683	46.472	ng		99
12) 1,3-Dichlorobenzene	6.775	146	149560	47.666	ng		98
13) 1,4-Dichlorobenzene	6.851	146	149807	47.310	ng		100
14) 1,2-Dichlorobenzene	7.004	146	143743	48.573	ng		99
15) Benzyl Alcohol	6.987	79	138215	53.612	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	240232	48.166	ng	#	41
17) 2-Methylphenol	7.104	107	113433	49.008	ng	#	87
18) Hexachloroethane	7.340	117	59082	49.568	ng		97
19) n-Nitroso-di-n-propyla...	7.251	70	111344	51.538	ng		96
20) 3+4-Methylphenols	7.257	107	150960	50.833	ng	#	82
22) Acetophenone	7.251	105	210797	52.089	ng		98
24) Nitrobenzene	7.422	77	167636	48.732	ng		98
25) Isophorone	7.663	82	289704	50.187	ng		98
26) 2-Nitrophenol	7.740	139	75564	51.057	ng		94
27) 2,4-Dimethylphenol	7.781	122	107243	60.564	ng		97
28) bis(2-Chloroethoxy)met...	7.869	93	167881	47.758	ng		99
29) 2,4-Dichlorophenol	7.987	162	114972	50.528	ng		98
30) 1,2,4-Trichlorobenzene	8.057	180	123181	46.911	ng		99
31) Naphthalene	8.140	128	415710	47.783	ng		99
32) Benzoic acid	7.928	122	45018	32.342	ng		89
33) 4-Chloroaniline	8.192	127	92357	31.625	ng		96
34) Hexachlorobutadiene	8.245	225	78512	49.364	ng		99
35) Caprolactam	8.575	113	35425m	52.176	ng		
36) 4-Chloro-3-methylphenol	8.687	107	135172	51.980	ng		98
37) 2-Methylnaphthalene	8.828	142	275772	50.191	ng		100
38) 1-Methylnaphthalene	8.928	142	252514	46.900	ng		98
40) 1,2,4,5-Tetrachloroben...	8.992	216	124273	49.535	ng		97
41) Hexachlorocyclopentadiene	8.975	237	72267	106.319	ng		99
43) 2,4,6-Trichlorophenol	9.116	196	71174	46.530	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139038.D
Acq On : 15 Aug 2024 23:17
Operator : RC/JU
Sample : P3573-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 16 00:49:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	77522	46.359	ng		99
46) 1,1'-Biphenyl	9.292	154	347565	49.138	ng		98
47) 2-Chloronaphthalene	9.316	162	252912	48.077	ng		99
48) 2-Nitroaniline	9.422	65	95659	53.639	ng		94
49) Acenaphthylene	9.734	152	388065	52.012	ng		99
50) Dimethylphthalate	9.592	163	302944	52.460	ng		99
51) 2,6-Dinitrotoluene	9.663	165	65661	50.383	ng	#	84
52) Acenaphthene	9.904	154	248990	49.645	ng		99
53) 3-Nitroaniline	9.839	138	49015	36.381	ng		98
54) 2,4-Dinitrophenol	9.957	184	52267	87.122	ng		83
55) Dibenzofuran	10.075	168	359295	50.749	ng		96
56) 4-Nitrophenol	10.022	139	60233	74.345	ng		87
57) 2,4-Dinitrotoluene	10.075	165	87279	52.491	ng	#	79
58) Fluorene	10.422	166	288288	51.134	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	62532	48.913	ng		95
60) Diethylphthalate	10.292	149	296462	54.144	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	141903	51.176	ng		98
62) 4-Nitroaniline	10.457	138	63449m	49.557	ng		
63) Azobenzene	10.569	77	309915	51.033	ng		96
65) 4,6-Dinitro-2-methylph...	10.486	198	42129	47.422	ng		94
66) n-Nitrosodiphenylamine	10.533	169	242146	53.199	ng		100
67) 4-Bromophenyl-phenylether	10.898	248	80196	50.867	ng		100
68) Hexachlorobenzene	10.969	284	79821	49.035	ng		99
69) Atrazine	11.057	200	79947	68.078	ng		97
70) Pentachlorophenol	11.175	266	45023	61.361	ng		98
71) Phenanthrene	11.380	178	385884	51.464	ng		100
72) Anthracene	11.433	178	382585	51.794	ng		100
73) Carbazole	11.592	167	302821	47.517	ng		99
74) Di-n-butylphthalate	11.910	149	407674	56.905	ng		99
75) Fluoranthene	12.569	202	315733	45.105	ng		98
77) Benzidine	12.698	184	96350	52.730	ng		98
78) Pyrene	12.798	202	313098	43.529	ng		100
80) Butylbenzylphthalate	13.410	149	127336	55.283	ng		97
81) Benzo(a)anthracene	13.986	228	256541	48.765	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	66030	49.048	ng		97
83) Chrysene	14.027	228	246263	51.887	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	167438	49.643	ng		100
85) Di-n-octyl phthalate	14.569	149	294649	47.217	ng		99
87) Indeno(1,2,3-cd)pyrene	16.939	276	197436	33.820	ng		95
88) Benzo(b)fluoranthene	15.039	252	259912	51.469	ng		97
89) Benzo(k)fluoranthene	15.063	252	236478	54.086	ng		99
90) Benzo(a)pyrene	15.404	252	232945	54.841	ng		98
91) Dibenzo(a,h)anthracene	16.939	278	162031	33.812	ng		98
92) Benzo(g,h,i)perylene	17.380	276	138196	27.790	ng		95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139038.D
Acq On : 15 Aug 2024 23:17
Operator : RC/JU
Sample : P3573-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 16 00:49:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations APPROVED

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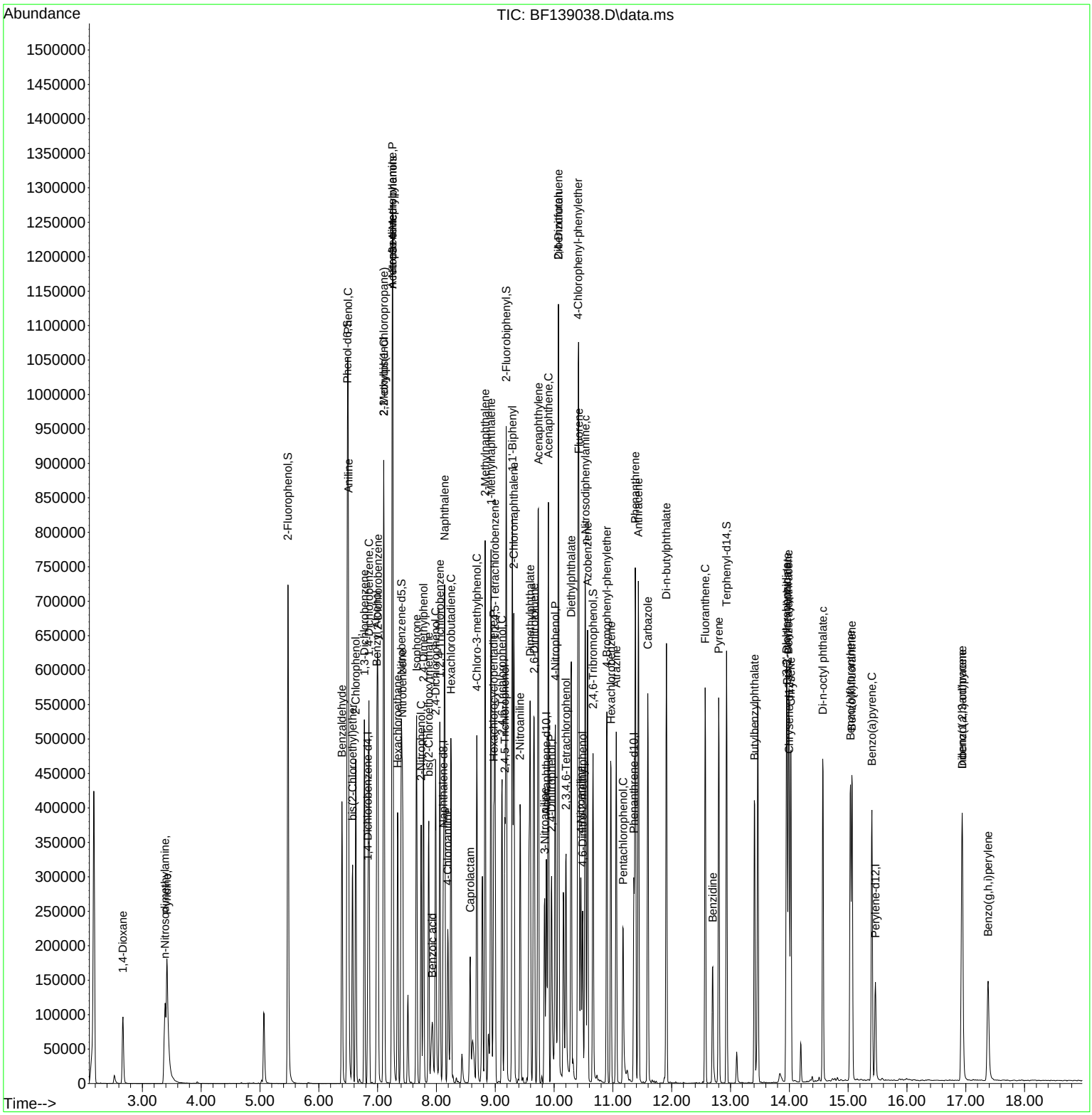
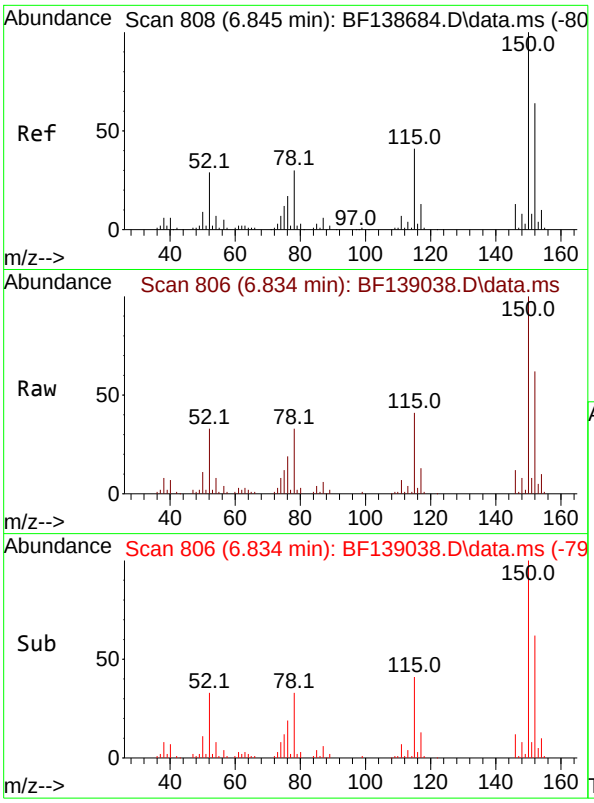
Supervised By :mohammad ahmed 08/17/2024

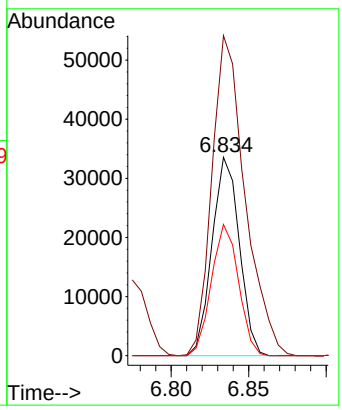




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8(
Delta R.T. -0.011 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:152 Resp: 4112(

Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.0	189.0
115	66.1	51.7	77.5



Instrument :
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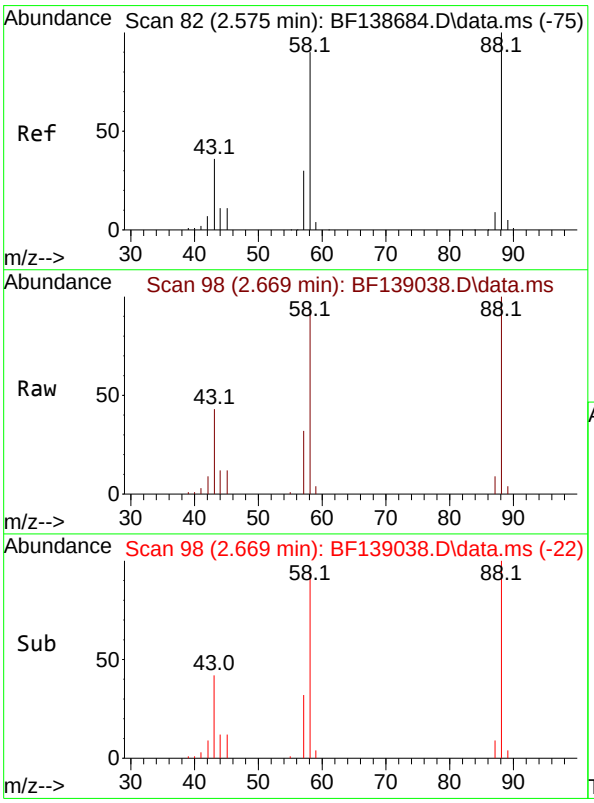
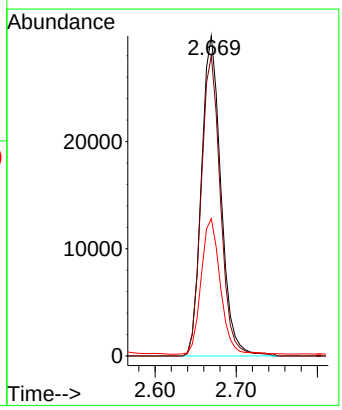
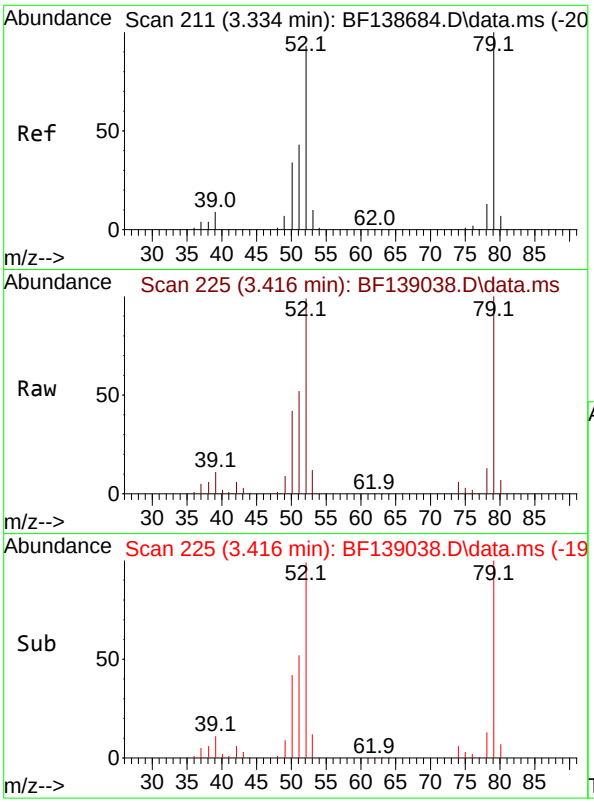


#2
1,4-Dioxane
Concen: 42.575 ng
RT: 2.669 min Scan# 98
Delta R.T. 0.094 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 88 Resp: 49660

Ion	Ratio	Lower	Upper
88	100		
58	92.5	71.6	107.4
43	41.7	28.7	43.1

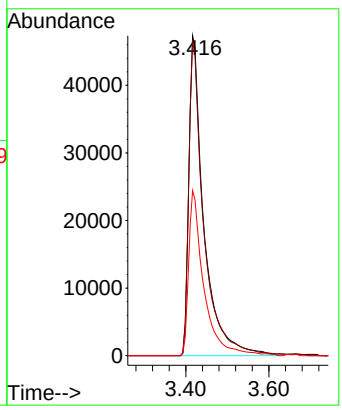




#3
Pyridine
Concen: 42.026 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 79 Resp: 11874

Ion	Ratio	Lower	Upper
79	100		
52	98.7	74.7	112.1
51	51.6	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
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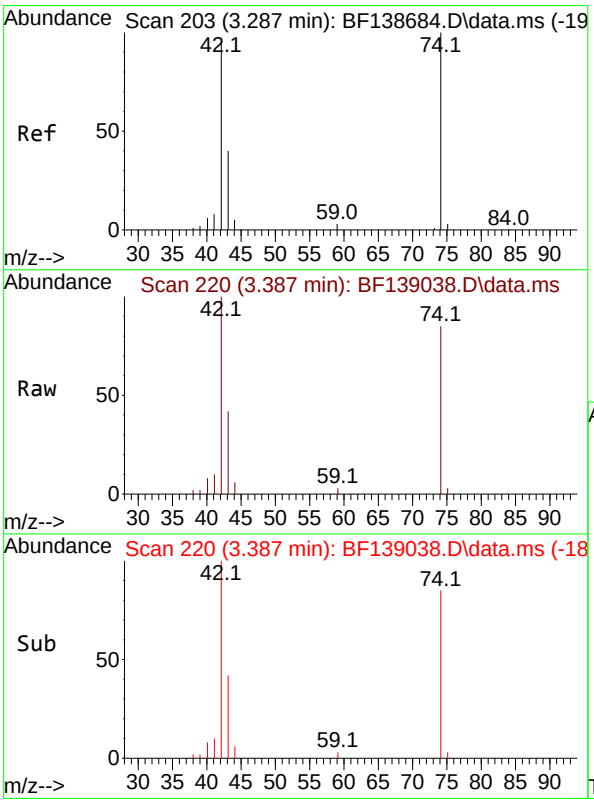
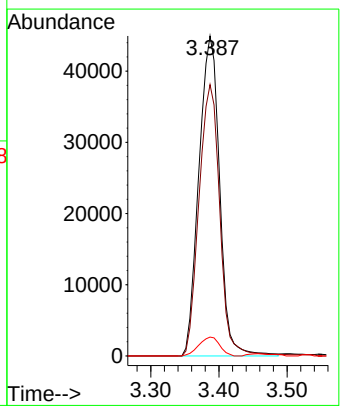
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

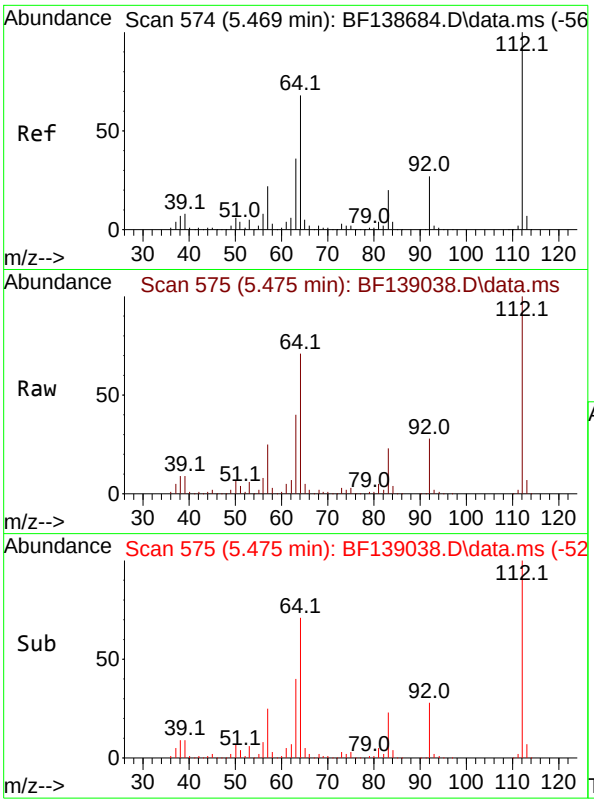


#4
n-Nitrosodimethylamine
Concen: 56.509 ng
RT: 3.387 min Scan# 220
Delta R.T. 0.100 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 42 Resp: 95095

Ion	Ratio	Lower	Upper
42	100		
74	84.8	84.2	126.4
44	5.9	4.9	7.3

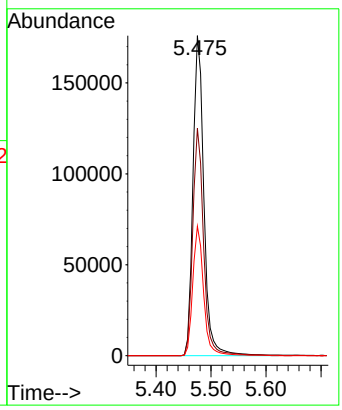




#5
2-Fluorophenol
Concen: 90.846 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:112 Resp: 24203

Ion	Ratio	Lower	Upper
112	100		
64	71.0	54.2	81.4
63	40.5	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
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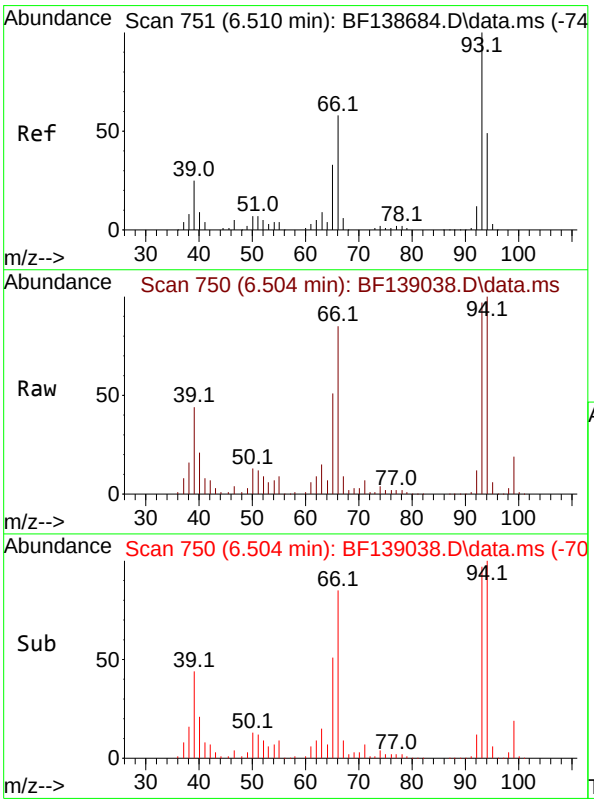
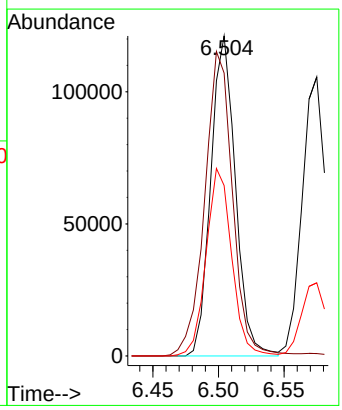
Supervised By :mohammad ahmed 08/17/2024

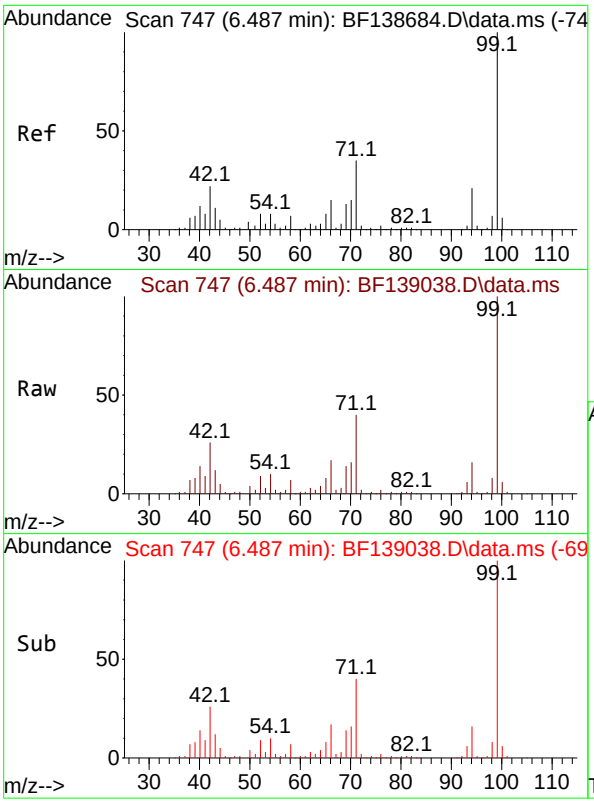


#6
Aniline
Concen: 49.649 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 93 Resp: 158379

Ion	Ratio	Lower	Upper
93	100		
66	88.4	46.9	70.3#
65	53.3	26.5	39.7#

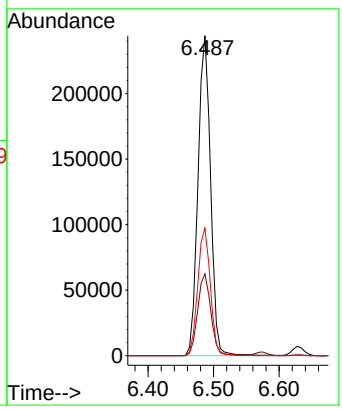




#7
Phenol-d6
Concen: 91.170 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 99 Resp: 32611

Ion	Ratio	Lower	Upper
99	100		
42	25.6	17.4	26.0
71	39.9	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
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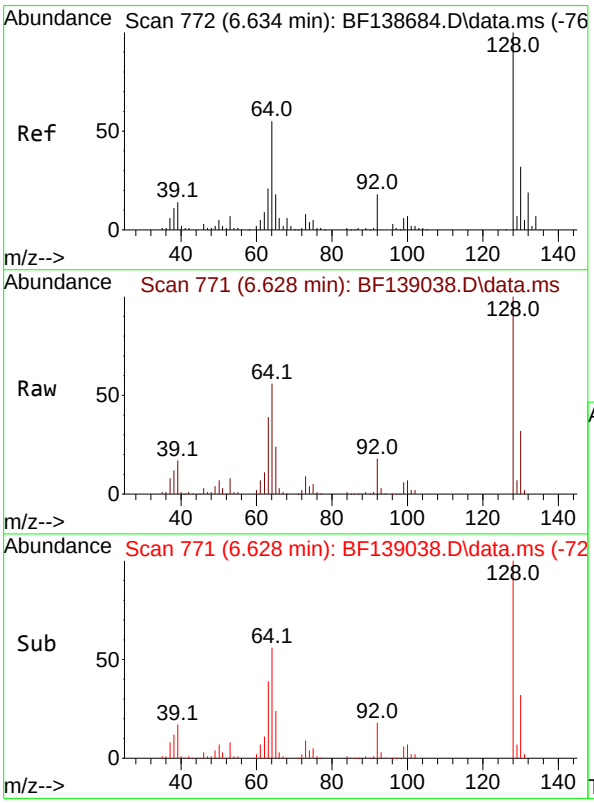
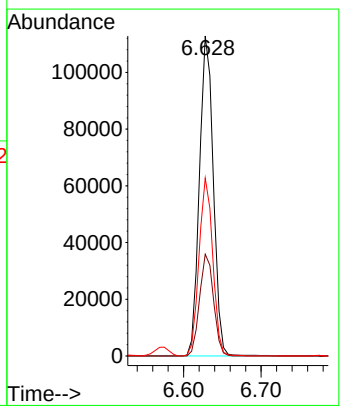
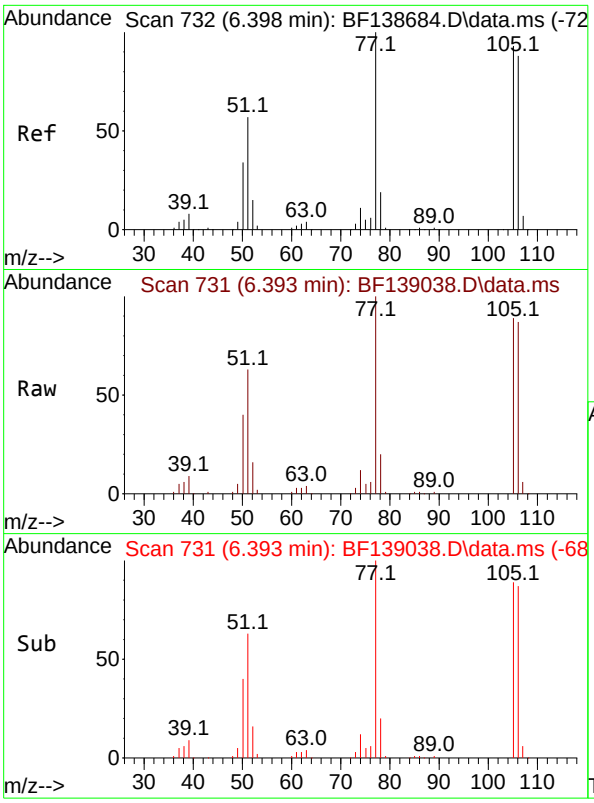


#8
2-Chlorophenol
Concen: 50.083 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:128 Resp: 140385

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.0	52.0
64	55.6	36.3	76.3





#9
Benzaldehyde
Concen: 49.367 ng
RT: 6.393 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 77 Resp: 10585

Ion	Ratio	Lower	Upper
77	100		
105	88.8	72.9	112.9
106	87.0	68.4	108.4

Instrument :
BNA_F
ClientSampleId :
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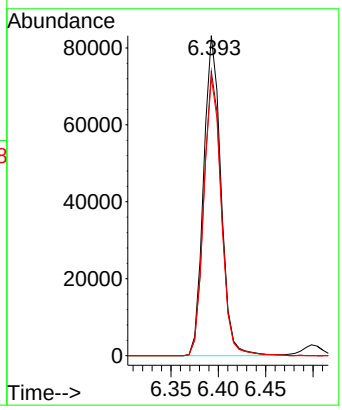
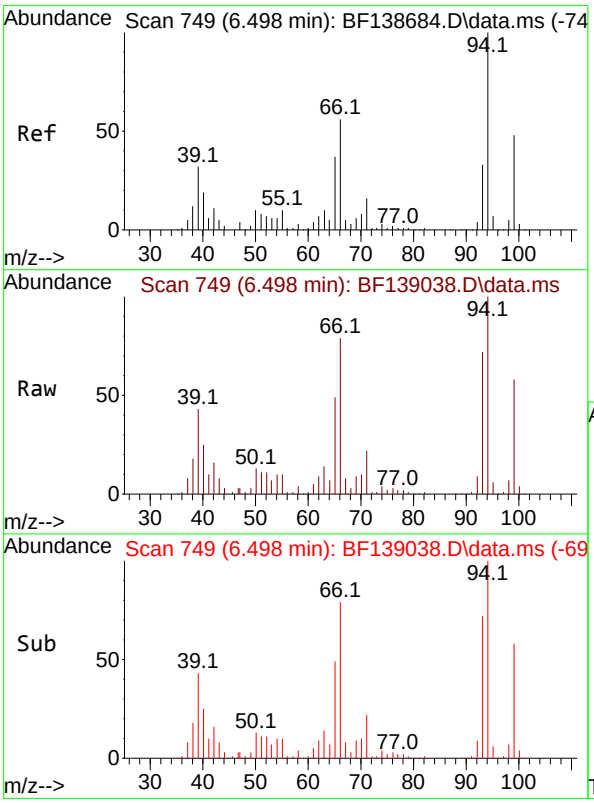
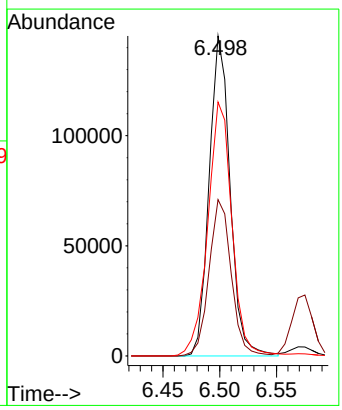


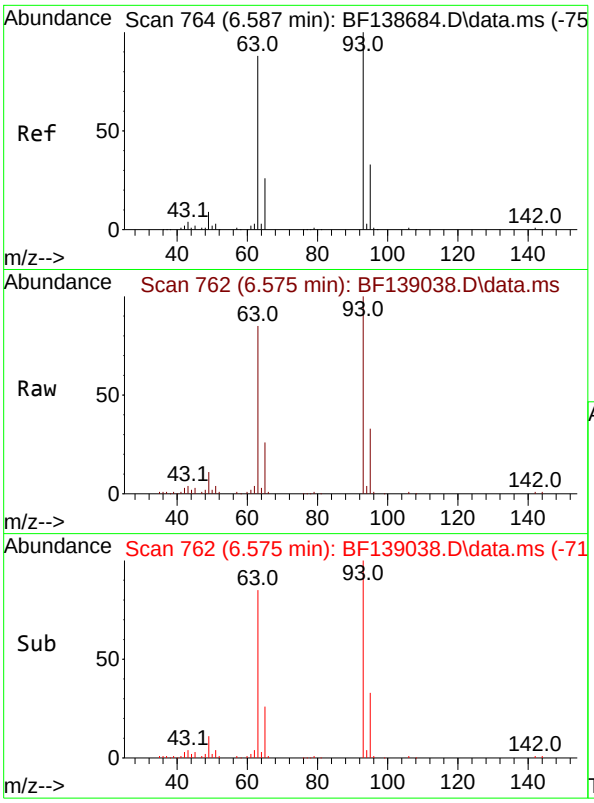


#10
Phenol
Concen: 49.401 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 94 Resp: 186052

Ion	Ratio	Lower	Upper
94	100		
65	48.9	16.9	56.9
66	79.4	36.5	76.5#

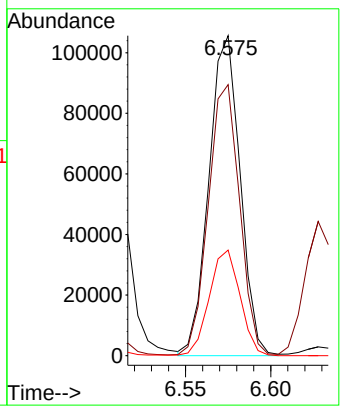




#11
bis(2-Chloroethyl)ether
Concen: 46.472 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 93 Resp: 13468

Ion	Ratio	Lower	Upper
93	100		
63	84.7	65.3	105.3
95	33.0	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
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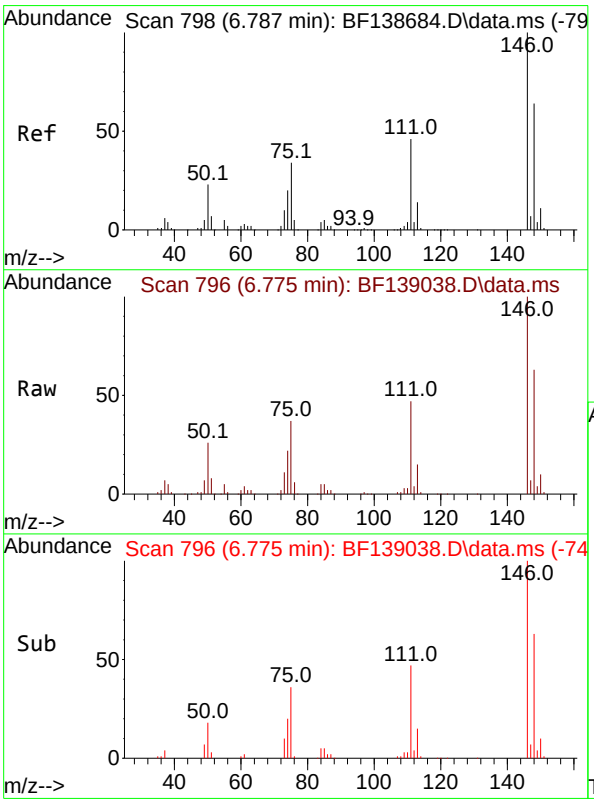
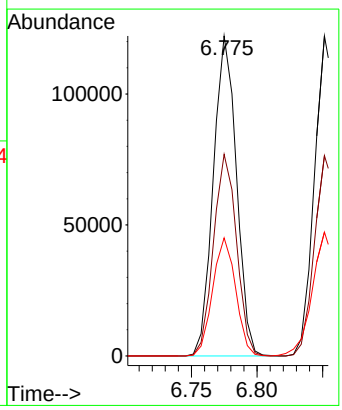
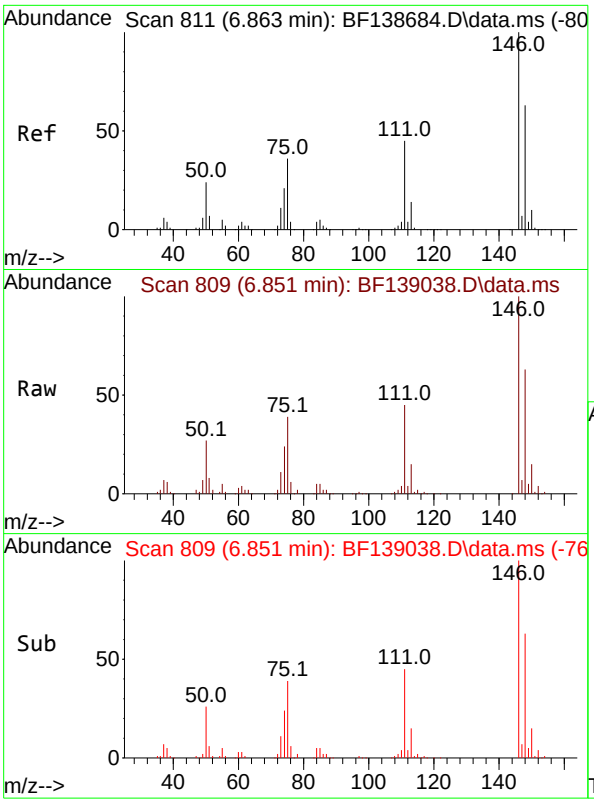


#12
1,3-Dichlorobenzene
Concen: 47.666 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:146 Resp: 149560

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.2	76.8
75	36.9	27.4	41.2

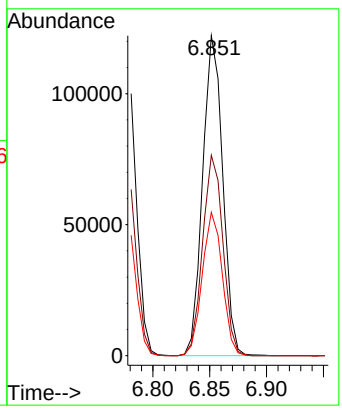




#13
1,4-Dichlorobenzene
Concen: 47.310 ng
RT: 6.851 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:146 Resp: 14980

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.2	75.2
111	44.8	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
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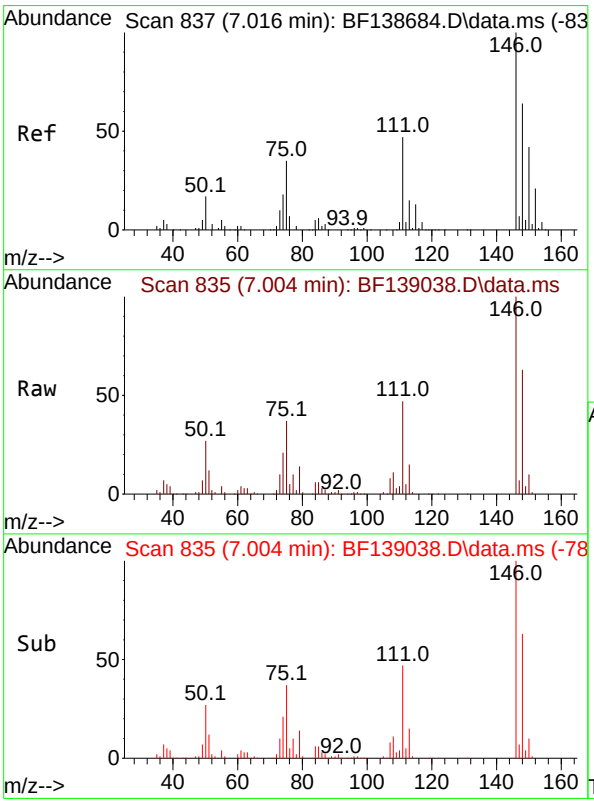
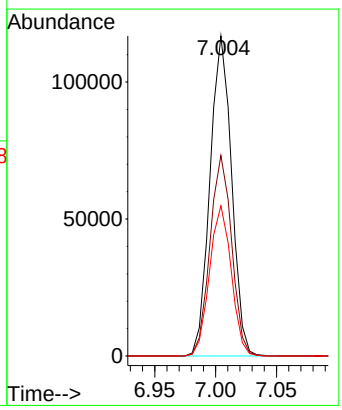
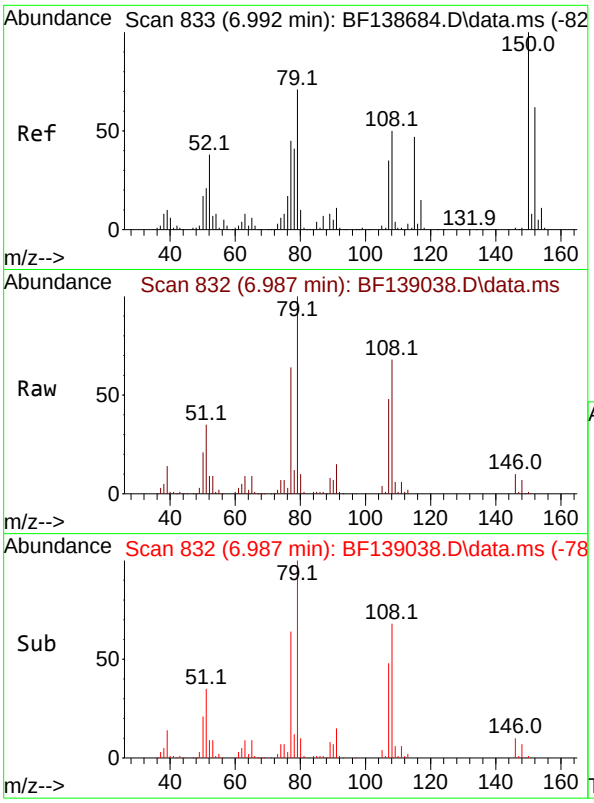


#14
1,2-Dichlorobenzene
Concen: 48.573 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:146 Resp: 143743

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.8	76.2
111	46.9	37.4	56.2





#15
Benzyl Alcohol
Concen: 53.612 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 79 Resp: 13821

Ion	Ratio	Lower	Upper
79	100		
108	68.0	56.6	85.0
77	64.5	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
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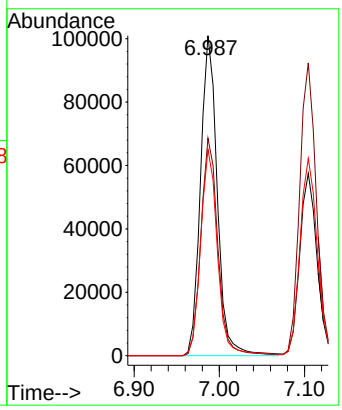
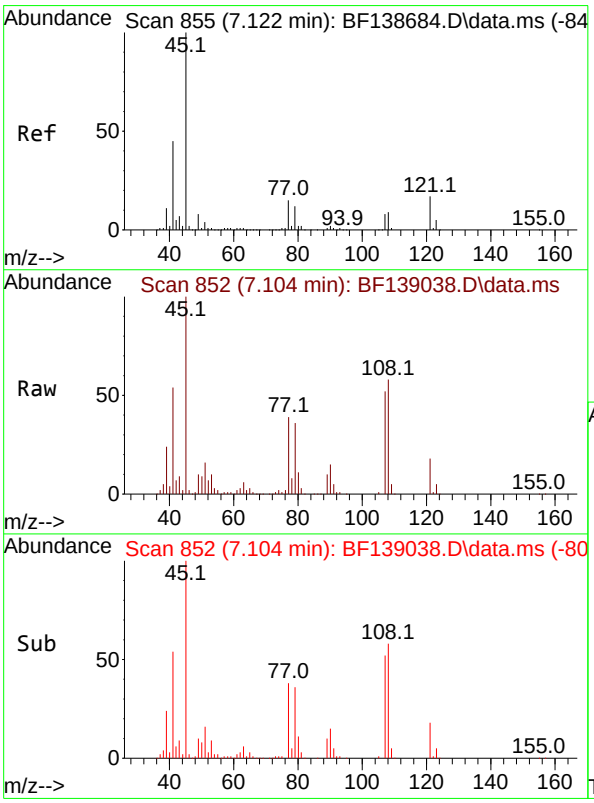
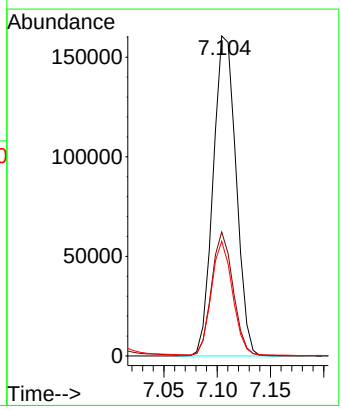


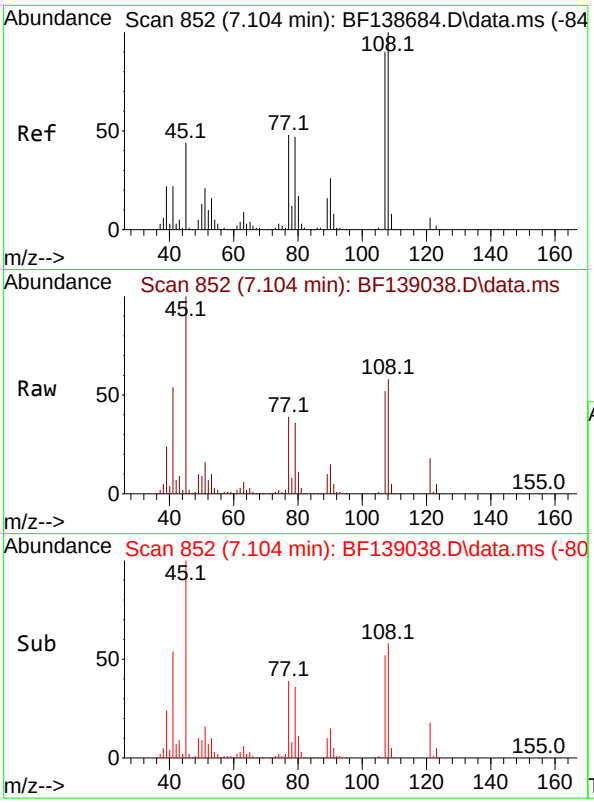


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.166 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 45 Resp: 240232

Ion	Ratio	Lower	Upper
45	100		
77	38.7	0.0	34.9#
79	35.8	0.0	32.2#

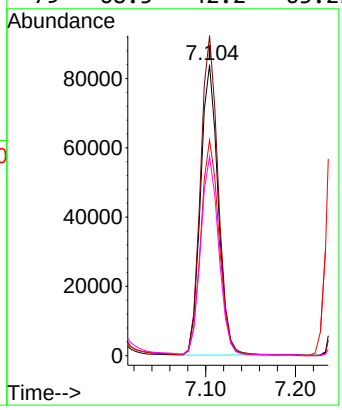




#17
2-Methylphenol
Concen: 49.008 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:107 Resp: 11343

Ion	Ratio	Lower	Upper
107	100		
108	110.0	89.2	133.8
77	74.1	43.0	64.4#
79	68.5	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
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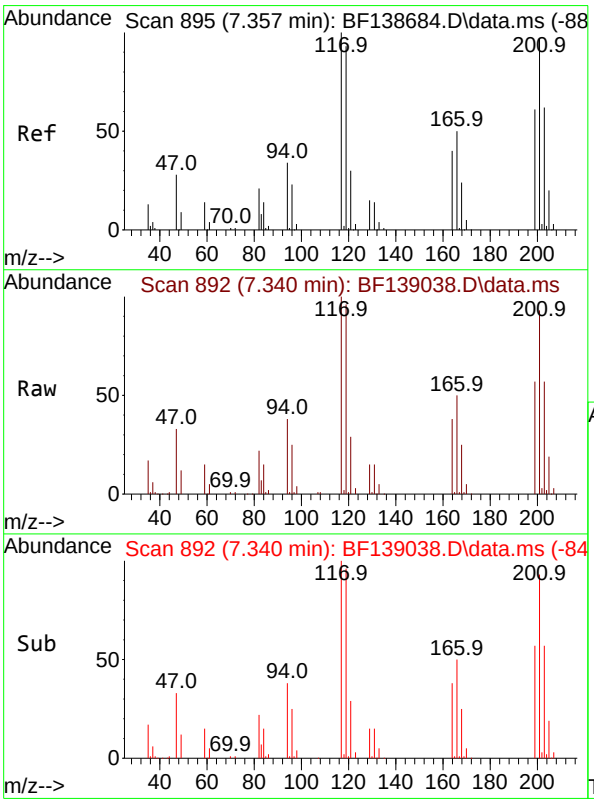
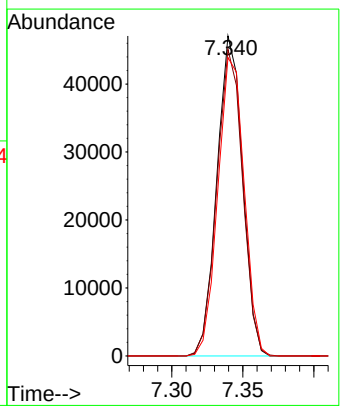
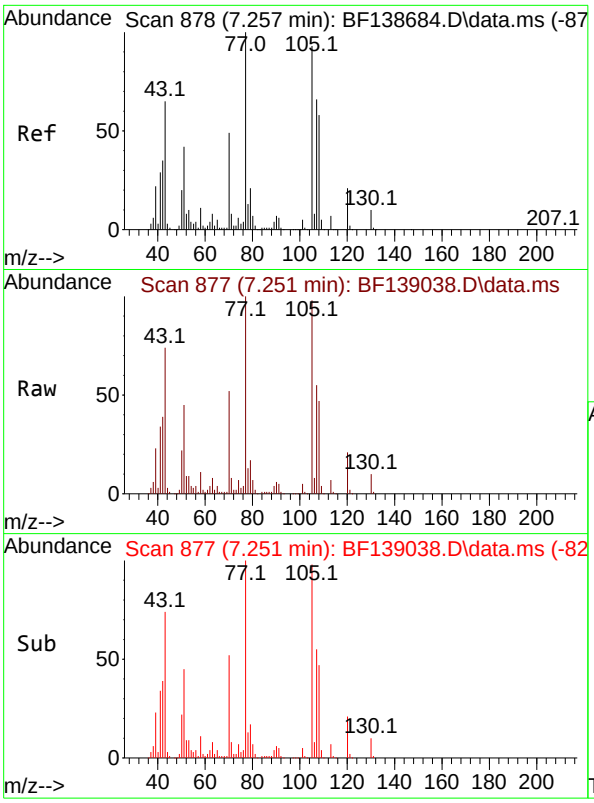


#18
Hexachloroethane
Concen: 49.568 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:117 Resp: 59082

Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.6	111.8
201	93.3	77.2	115.8

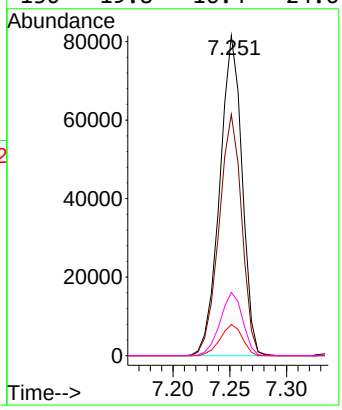




#19
n-Nitroso-di-n-propylamine
Concen: 51.538 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 70 Resp: 11134

Ion	Ratio	Lower	Upper
70	100		
42	75.4	57.4	86.0
101	9.8	7.5	11.3
130	19.8	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
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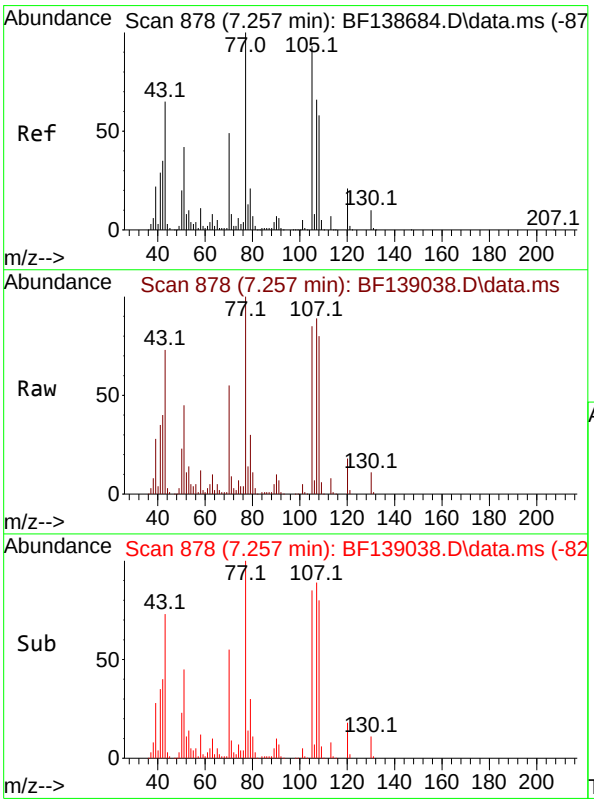
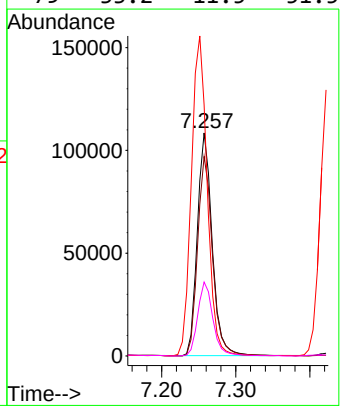
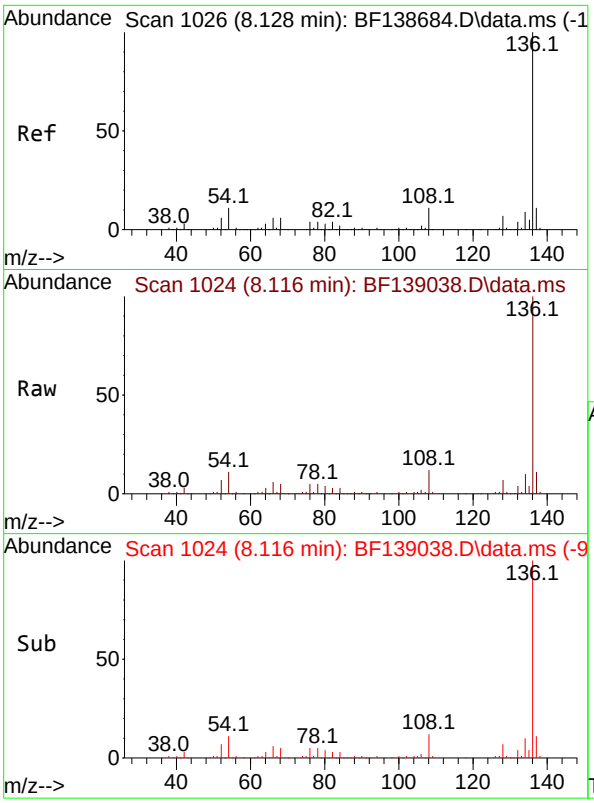


#20
3+4-Methylphenols
Concen: 50.833 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:107 Resp: 150960

Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.2	108.2
77	112.5	132.1	172.1#
79	33.2	11.5	51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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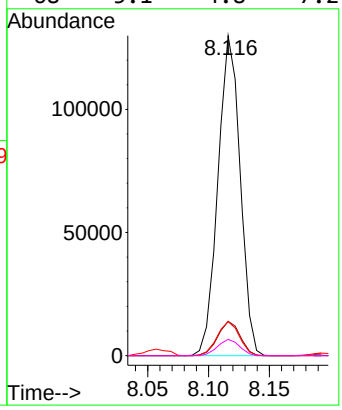
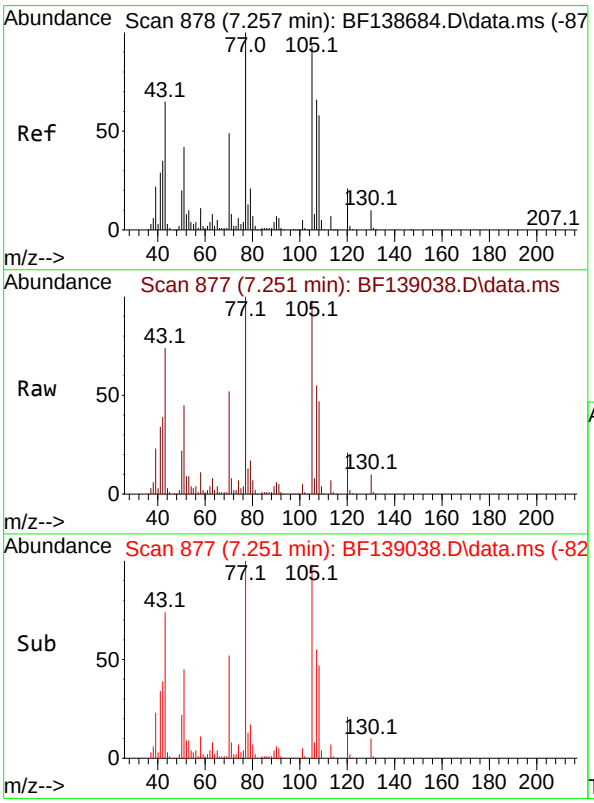
Tgt Ion:136 Resp: 16528

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.6	8.6	12.8
68	5.1	4.8	7.2

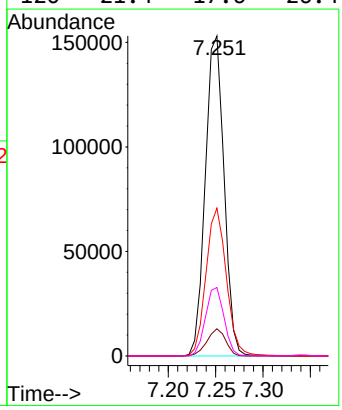


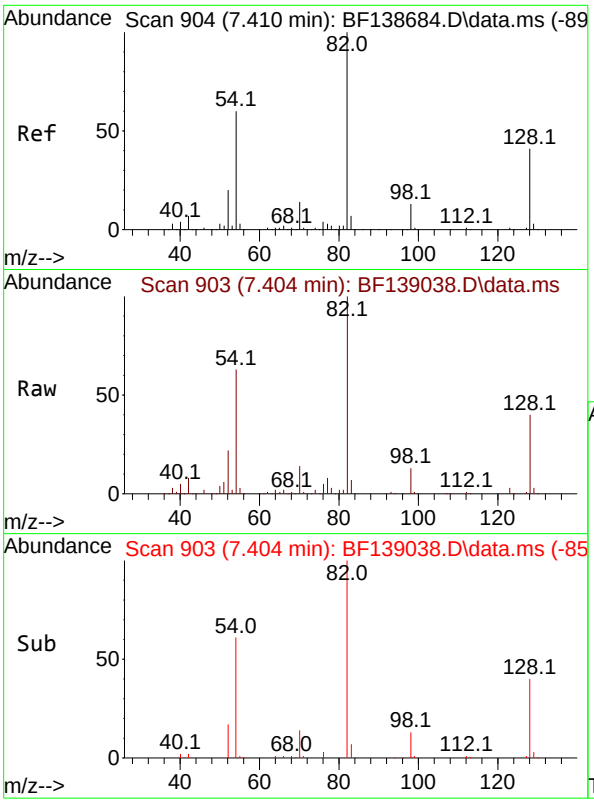


#22
Acetophenone
Concen: 52.089 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:105 Resp: 210797

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	46.2	35.9	53.9
120	21.4	17.6	26.4

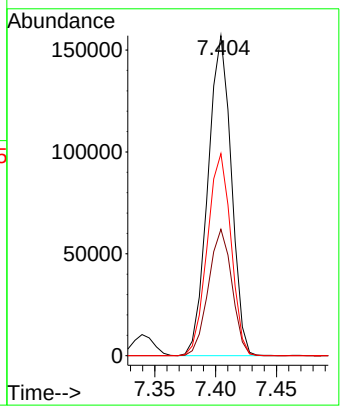




#23
Nitrobenzene-d5
Concen: 62.091 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 82 Resp: 20990

Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.8	49.2
54	63.1	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
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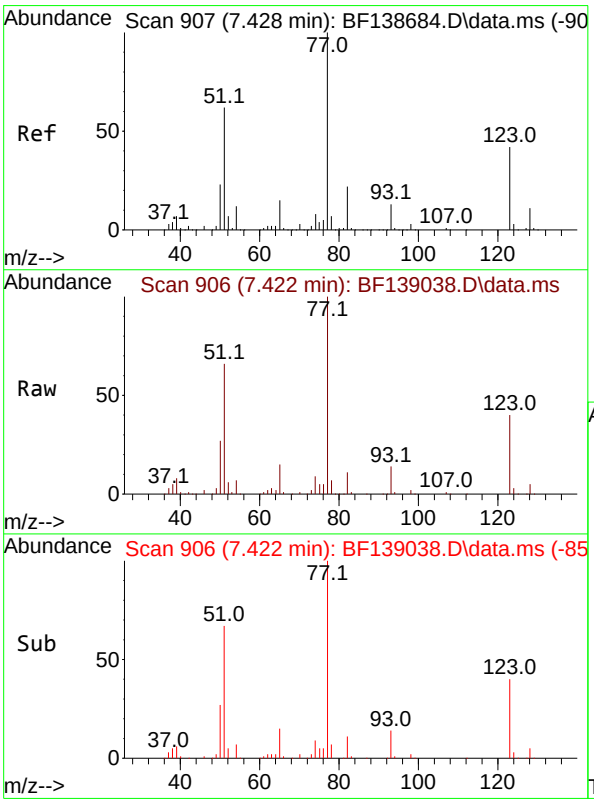
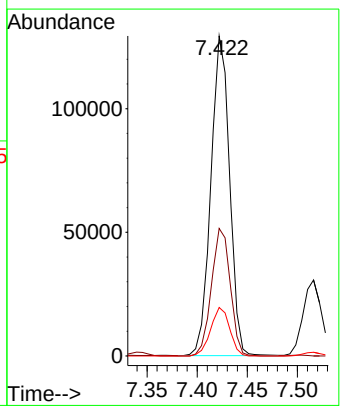
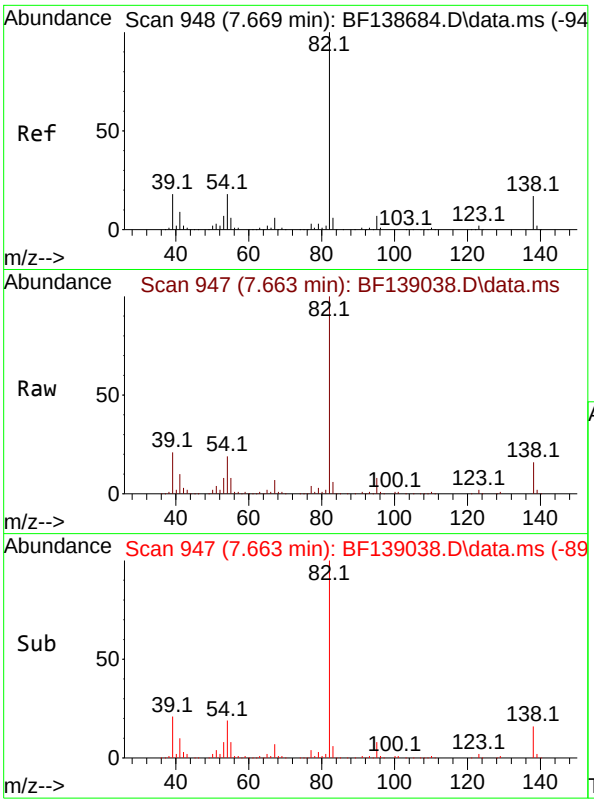


#24
Nitrobenzene
Concen: 48.732 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 77 Resp: 167636

Ion	Ratio	Lower	Upper
77	100		
123	39.8	33.3	49.9
65	15.2	11.9	17.9





#25
Isophorone
Concen: 50.187 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Tgt Ion: 82 Resp: 28970

Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.7	8.5
138	16.4	13.7	20.5

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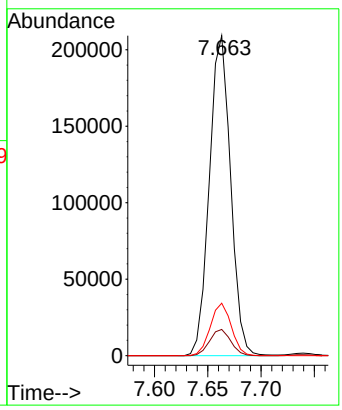
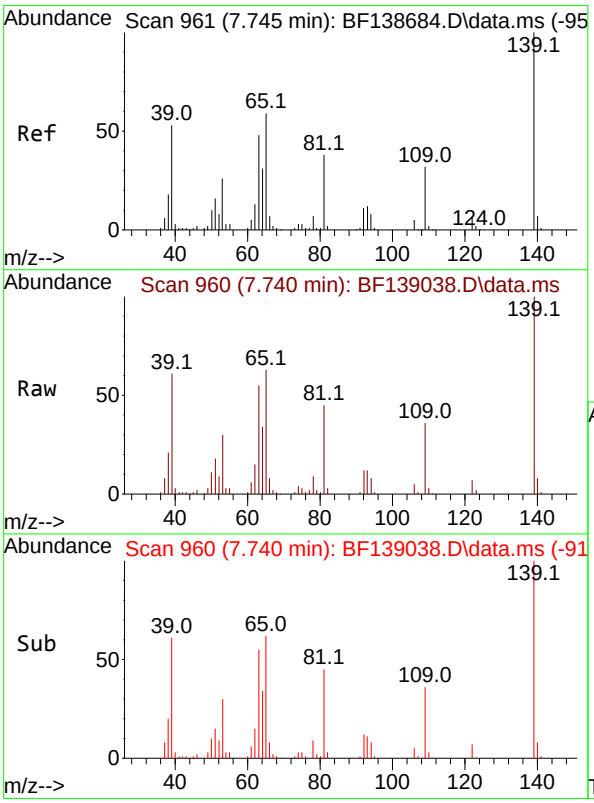
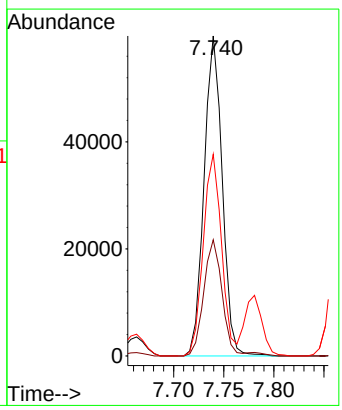


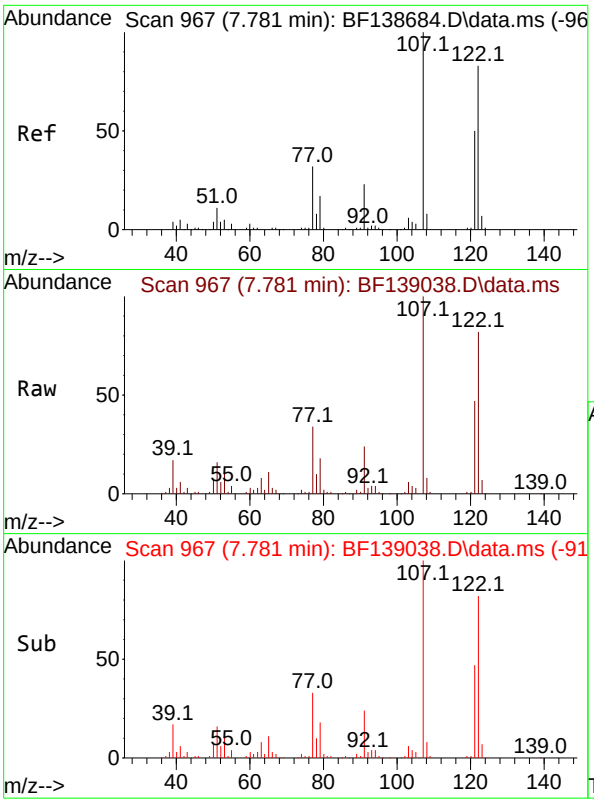


#26
2-Nitrophenol
Concen: 51.057 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:139 Resp: 75564

Ion	Ratio	Lower	Upper
139	100		
109	36.3	25.9	38.9
65	63.0	47.0	70.6

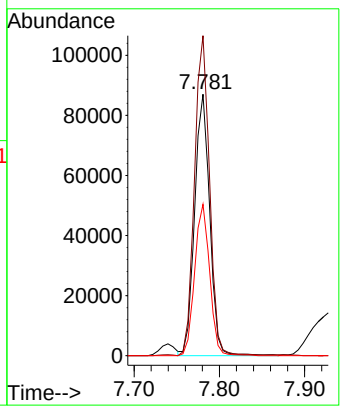




#27
2,4-Dimethylphenol
Concen: 60.564 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:122 Resp: 10724

Ion	Ratio	Lower	Upper
122	100		
107	122.4	95.0	142.6
121	57.9	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
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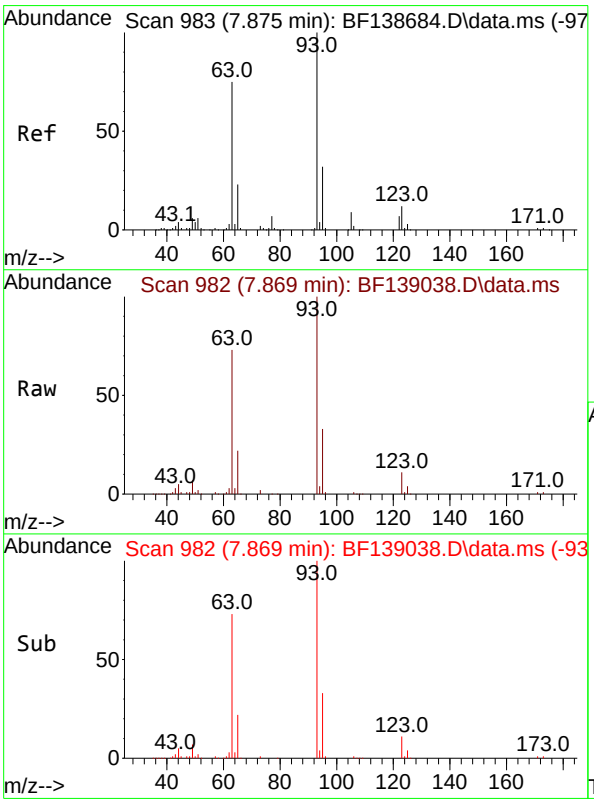
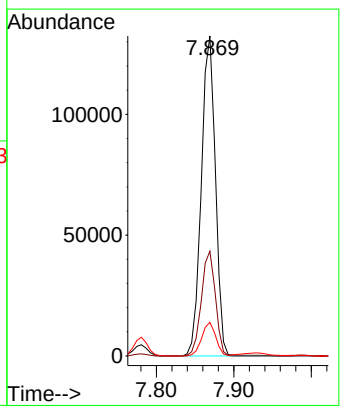
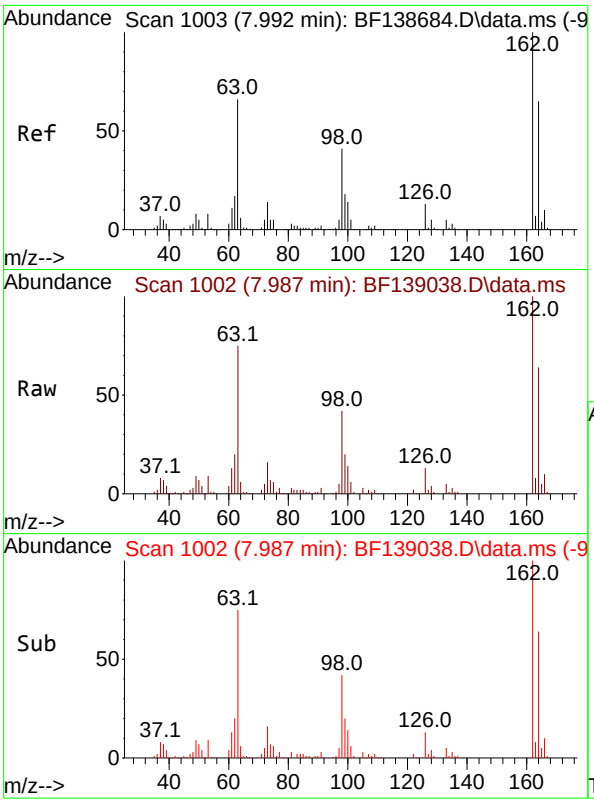


#28
bis(2-Chloroethoxy)methane
Concen: 47.758 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 93 Resp: 167881

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	10.5	9.4	14.0

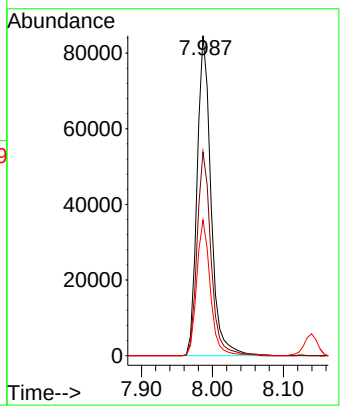




#29
2,4-Dichlorophenol
Concen: 50.528 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:162 Resp: 11497

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.7	84.7
98	42.4	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
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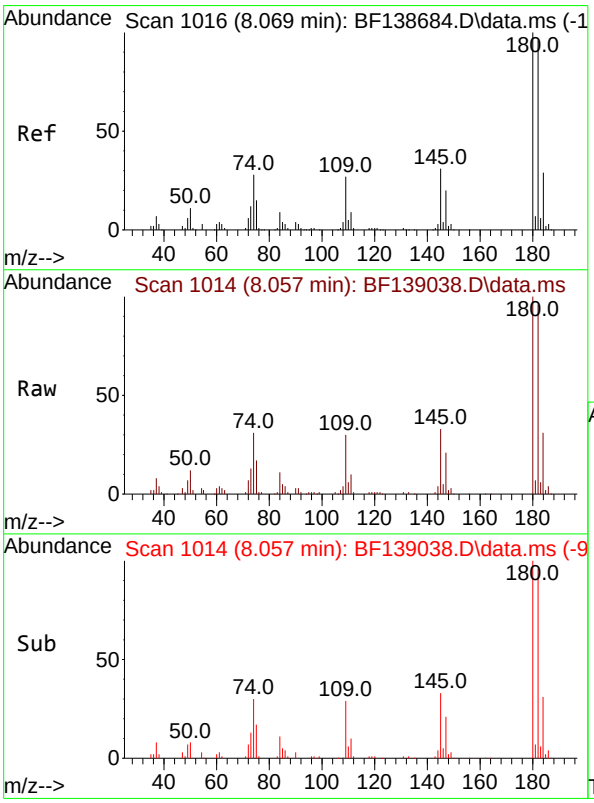
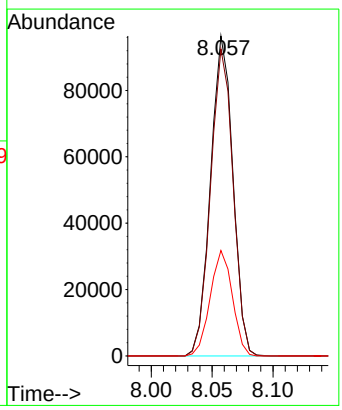
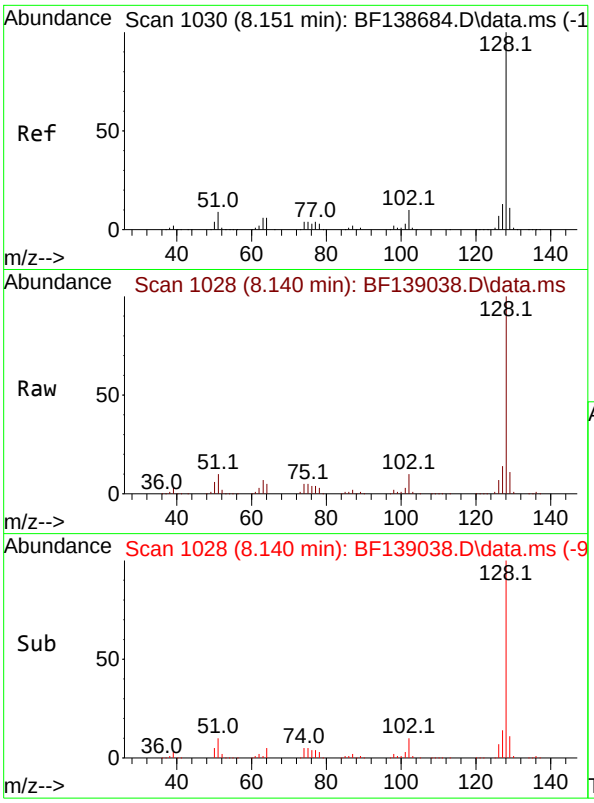


#30
1,2,4-Trichlorobenzene
Concen: 46.911 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:180 Resp: 123181

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.9	115.3
145	33.0	25.0	37.4

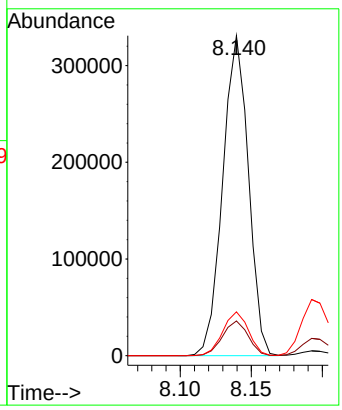




#31
Naphthalene
Concen: 47.783 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:128 Resp: 41571

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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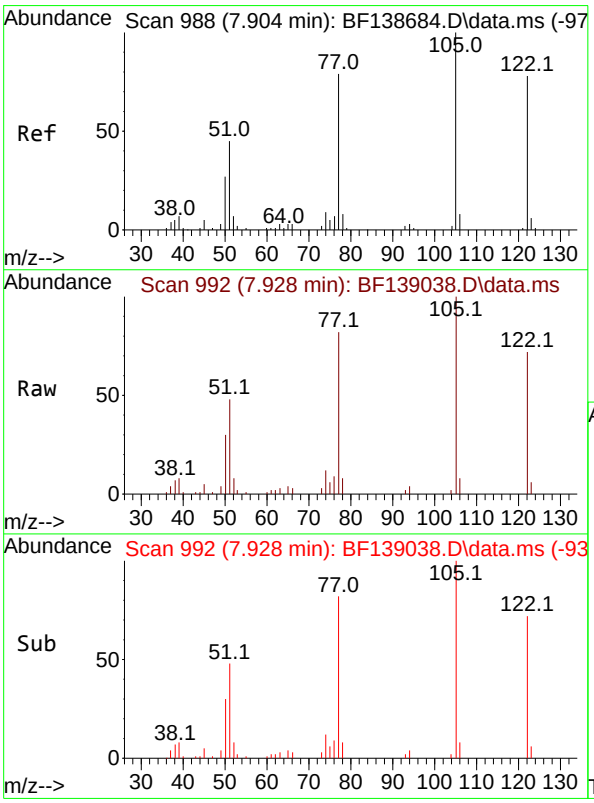
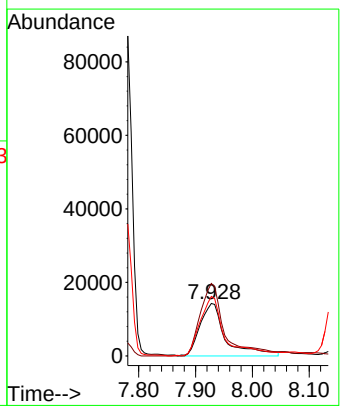
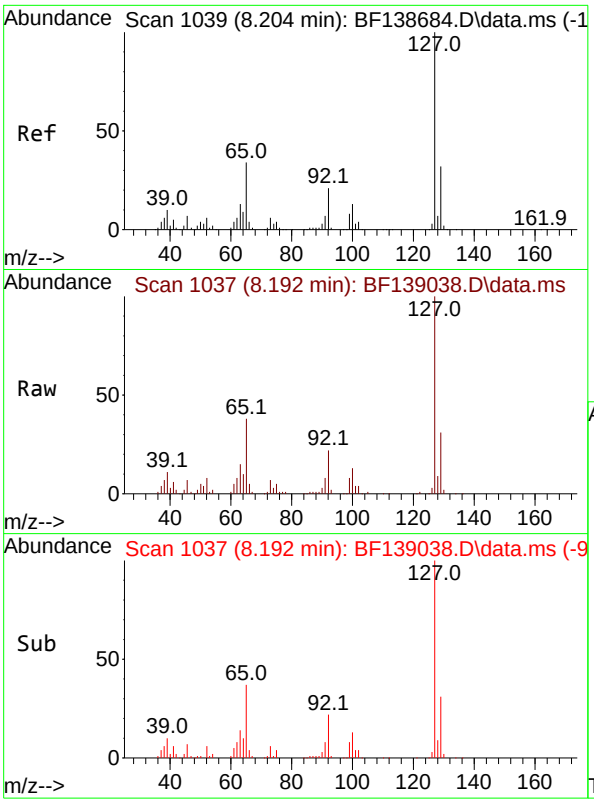


#32
Benzoic acid
Concen: 32.342 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.024 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:122 Resp: 45018

Ion	Ratio	Lower	Upper
122	100		
105	138.0	106.7	146.7
77	113.5	81.1	121.1

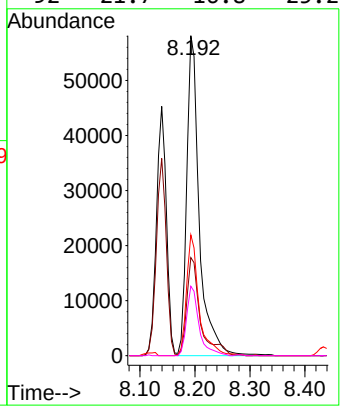




#33
4-Chloroaniline
Concen: 31.625 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:127 Resp: 9235

Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.9	38.9
65	37.8	27.6	41.4
92	21.7	16.8	25.2



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ClientSampleId :
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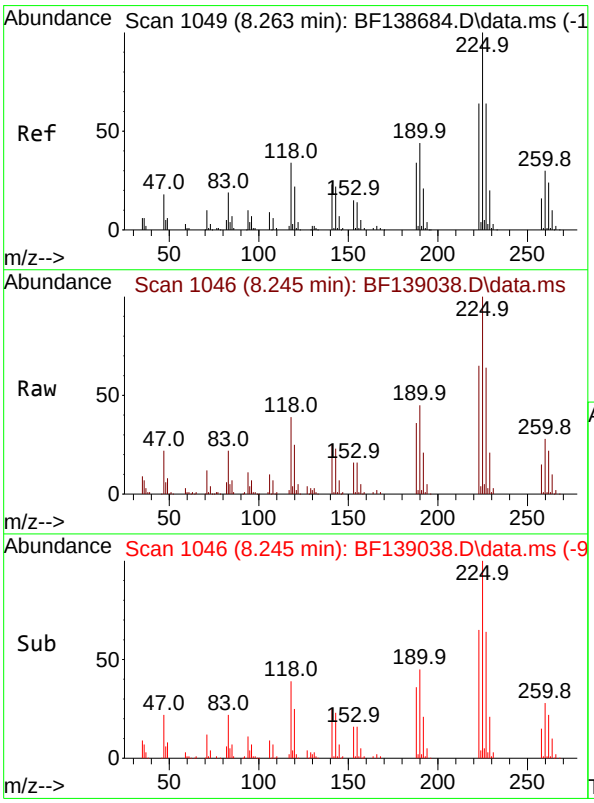
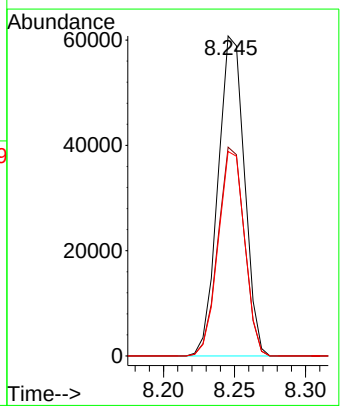
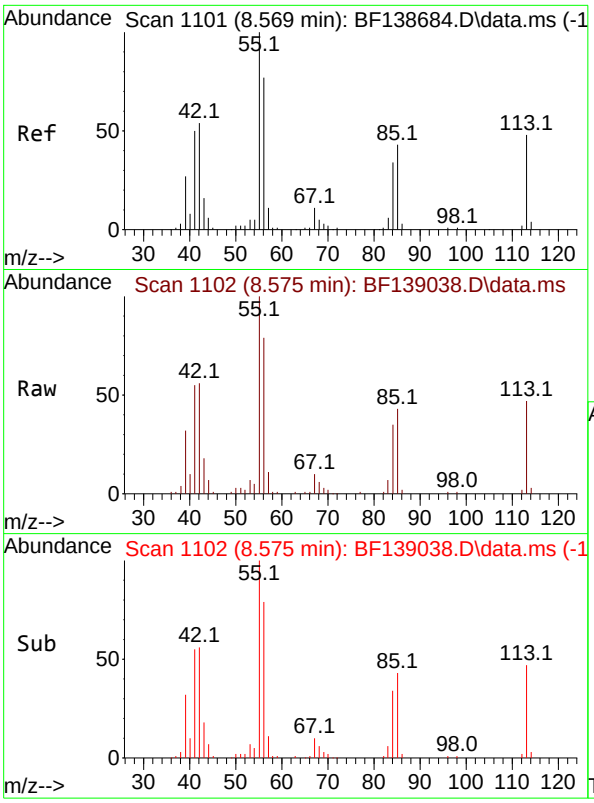


#34
Hexachlorobutadiene
Concen: 49.364 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:225 Resp: 78512

Ion	Ratio	Lower	Upper
225	100		
223	65.3	51.2	76.8
227	63.9	51.1	76.7

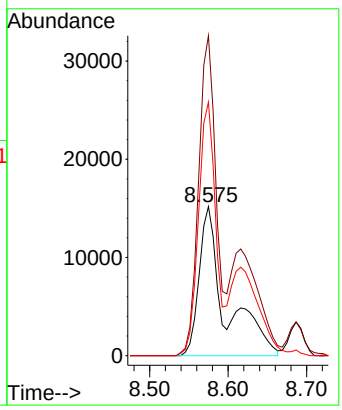




#35
Caprolactam
Concen: 52.176 ng m
RT: 8.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:113 Resp: 3542

Ion	Ratio	Lower	Upper
113	100		
55	214.5	186.7	226.7
56	169.9	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
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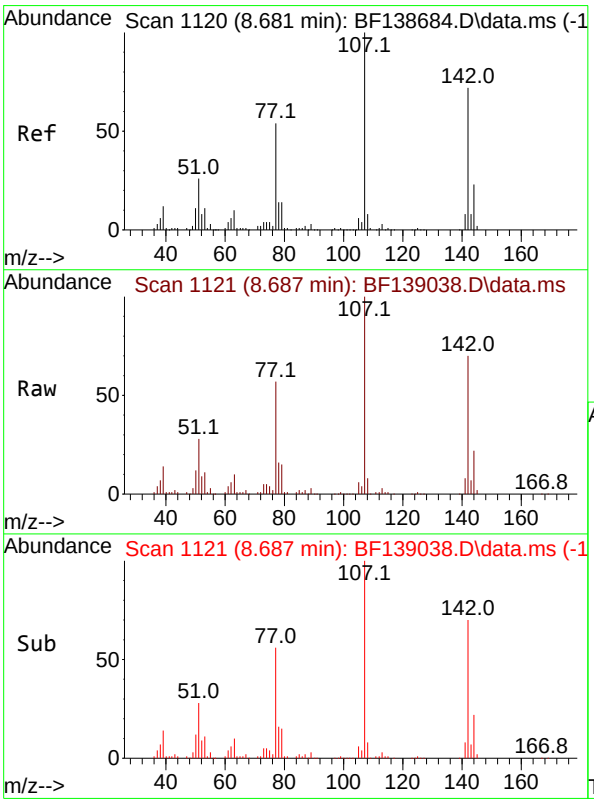
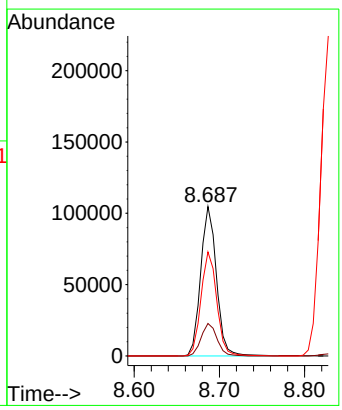
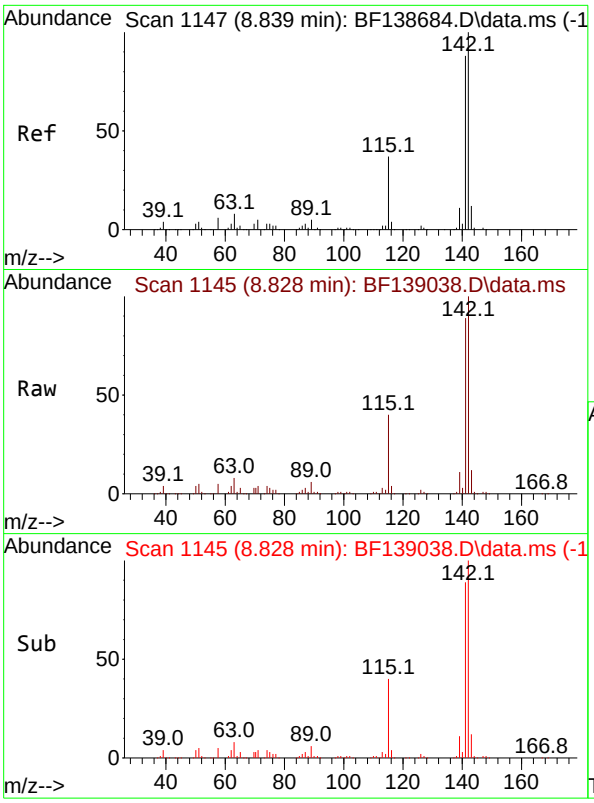


#36
4-Chloro-3-methylphenol
Concen: 51.980 ng
RT: 8.687 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:107 Resp: 135172

Ion	Ratio	Lower	Upper
107	100		
144	21.7	18.2	27.2
142	69.7	57.4	86.2





#37
2-Methylnaphthalene
Concen: 50.191 ng
RT: 8.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:142 Resp: 27577

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
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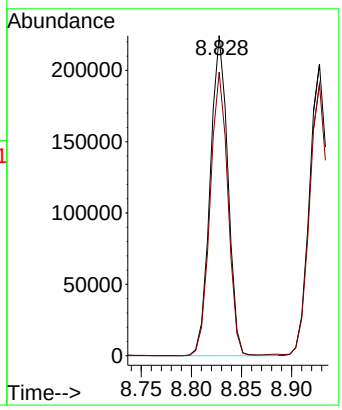
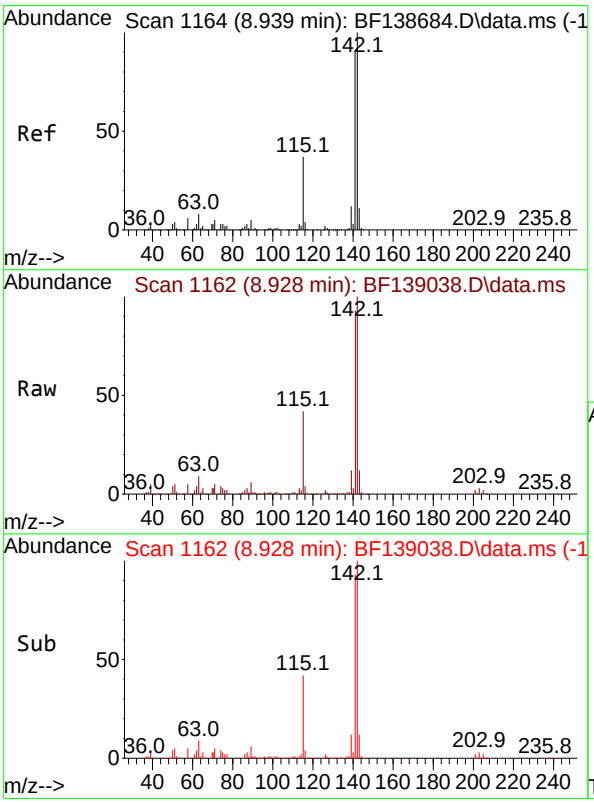
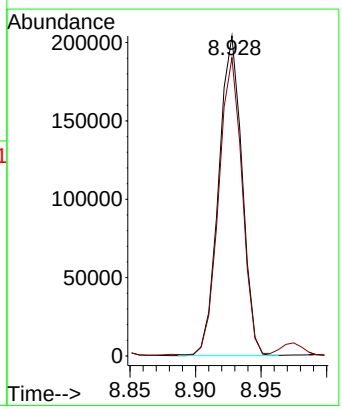


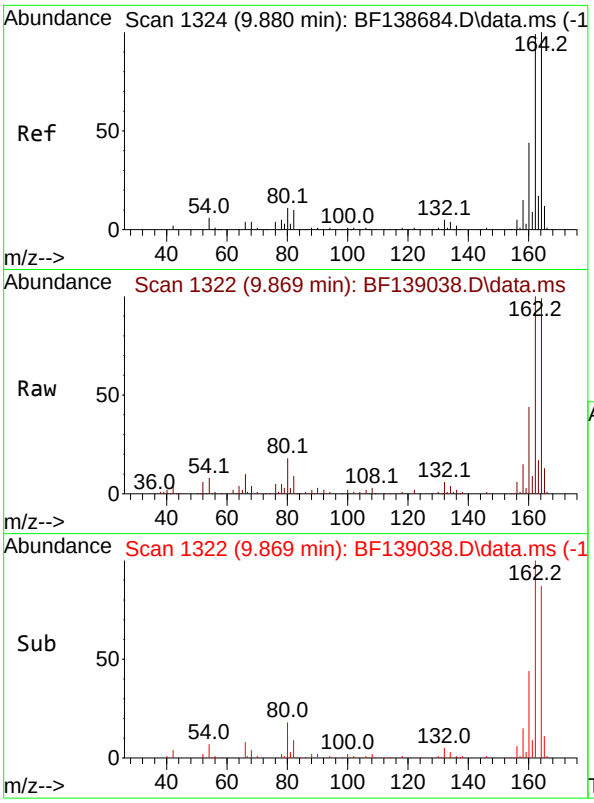


#38
1-Methylnaphthalene
Concen: 46.900 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:142 Resp: 252514

Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.1	109.7

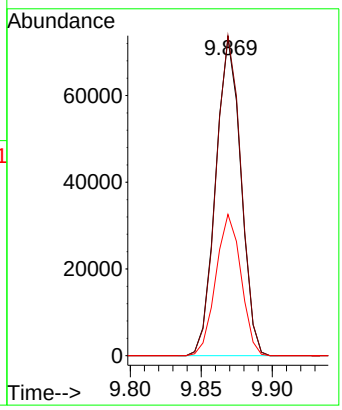




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:164 Resp: 9031

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.0
160	44.6	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
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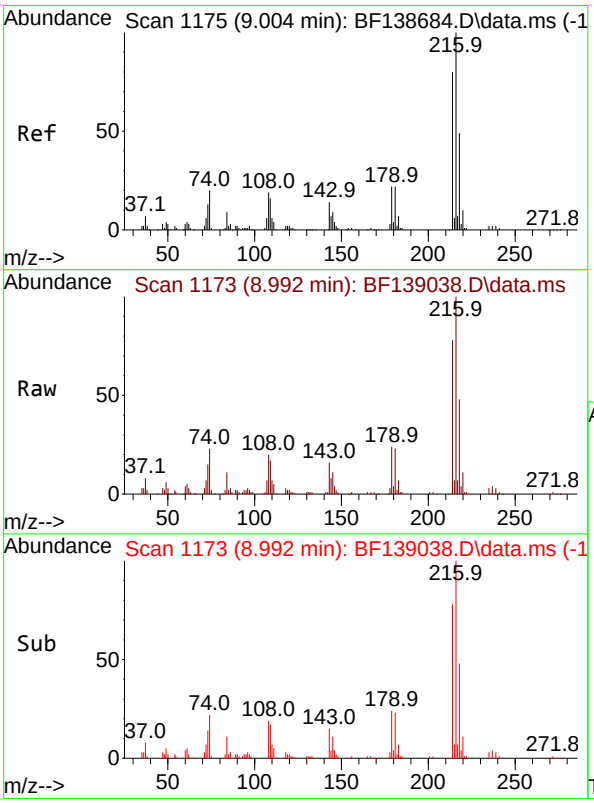
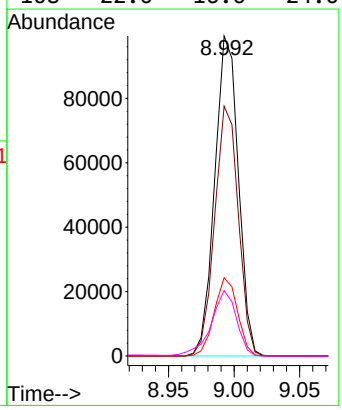
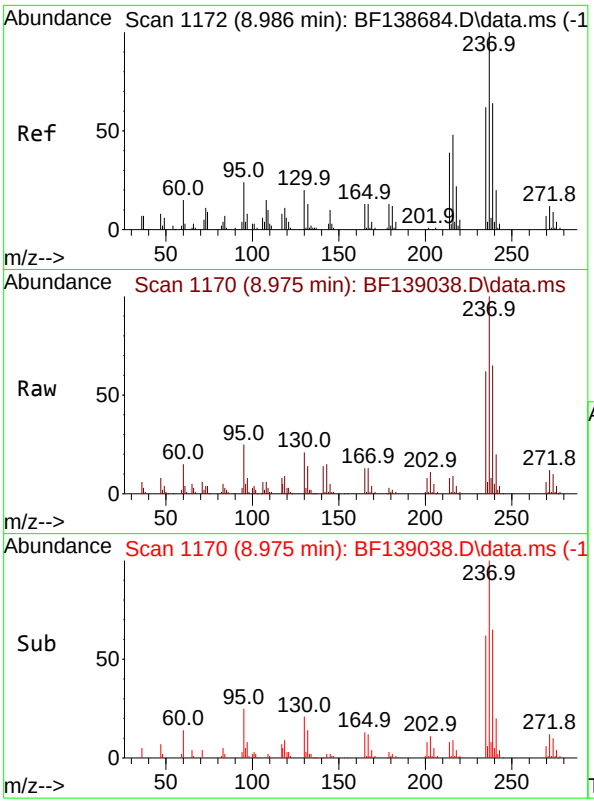


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.535 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:216 Resp: 124273

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.9	95.9
179	24.1	17.8	26.6
108	22.0	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 106.319 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:237 Resp: 7226

Ion	Ratio	Lower	Upper
237	100		
235	62.3	41.8	81.8
272	11.8	0.0	32.2

Instrument :
BNA_F
ClientSampleId :
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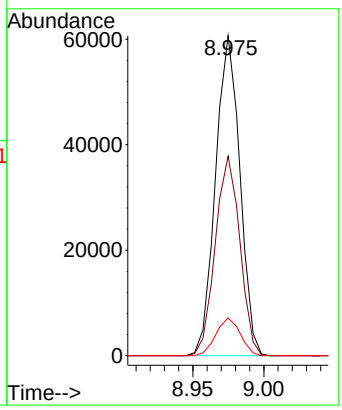
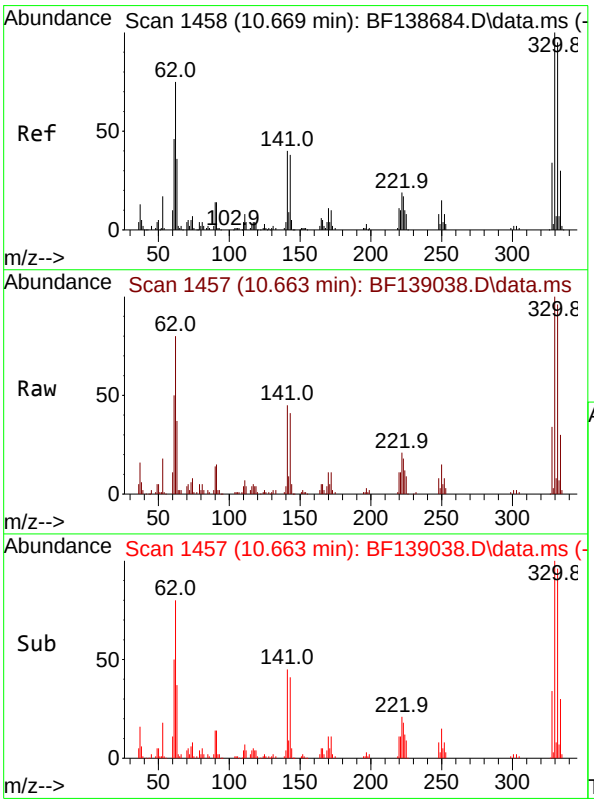
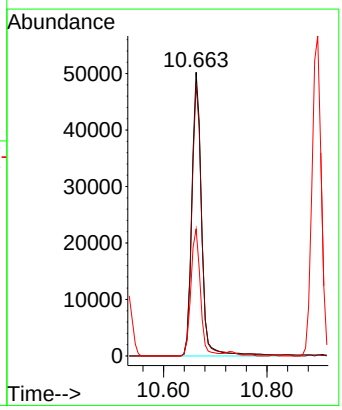


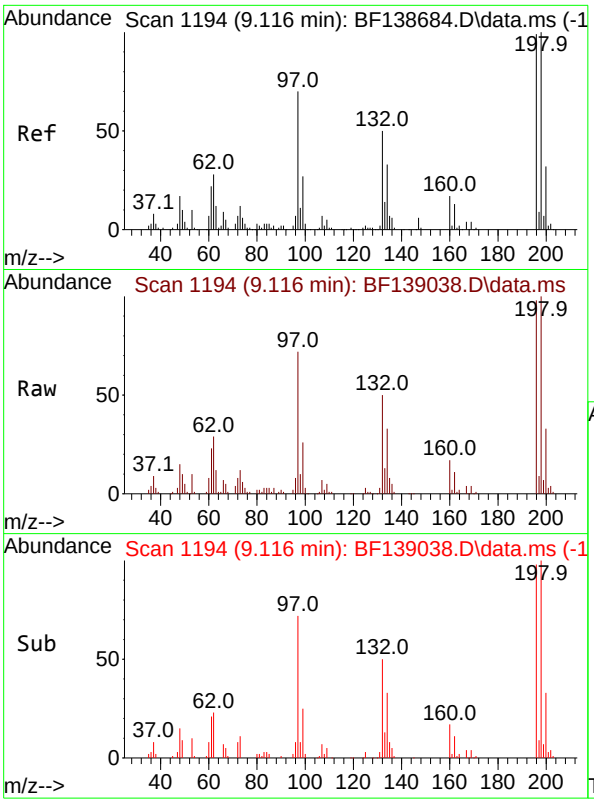


#42
2,4,6-Tribromophenol
Concen: 88.975 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:330 Resp: 65822

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.4	114.6
141	43.6	31.1	46.7

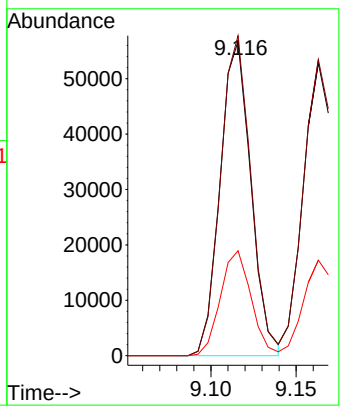




#43
2,4,6-Trichlorophenol
Concen: 46.530 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:196 Resp: 7117

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.5	120.7
200	33.4	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
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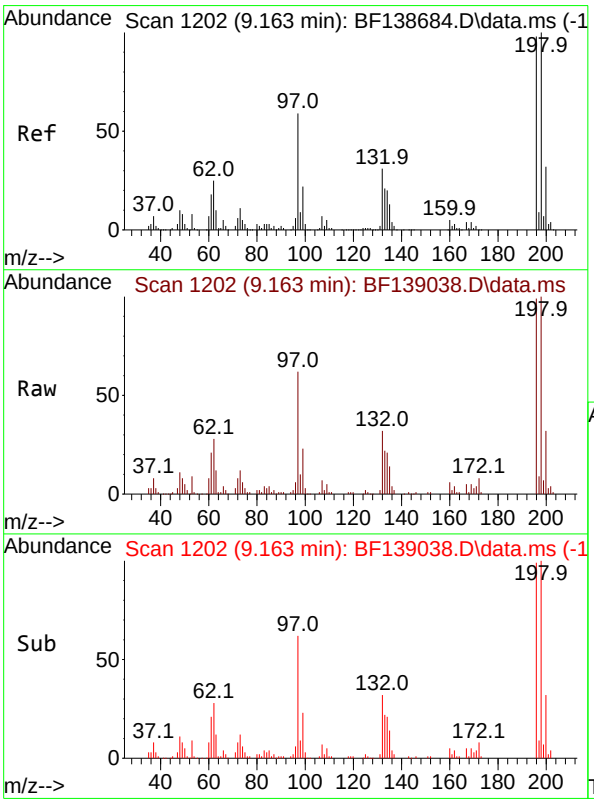
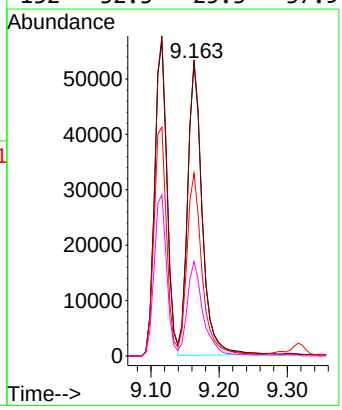
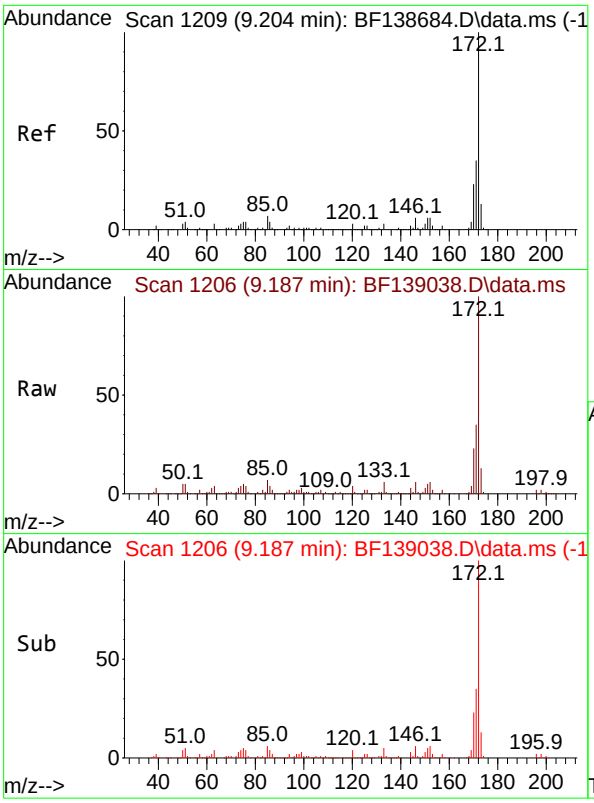


#44
2,4,5-Trichlorophenol
Concen: 46.359 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:196 Resp: 77522

Ion	Ratio	Lower	Upper
196	100		
198	101.2	81.2	121.8
97	62.3	47.8	71.6
132	32.3	25.3	37.9

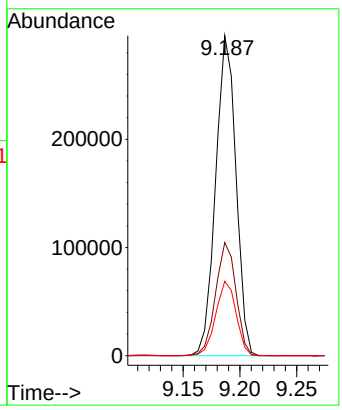




#45
2-Fluorobiphenyl
Concen: 61.239 ng
RT: 9.187 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:172 Resp: 36810

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.2	18.8	28.2



Instrument :
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ClientSampleId :
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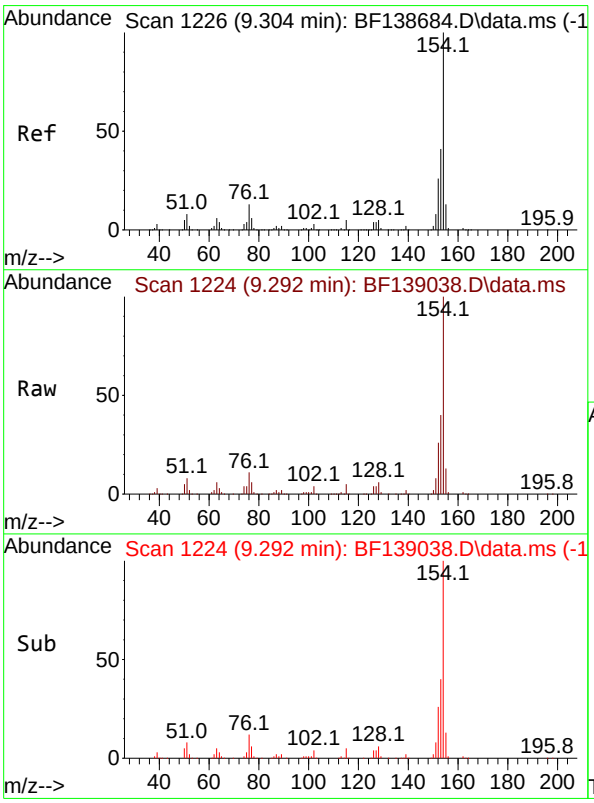
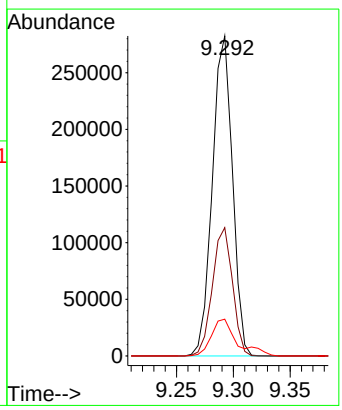
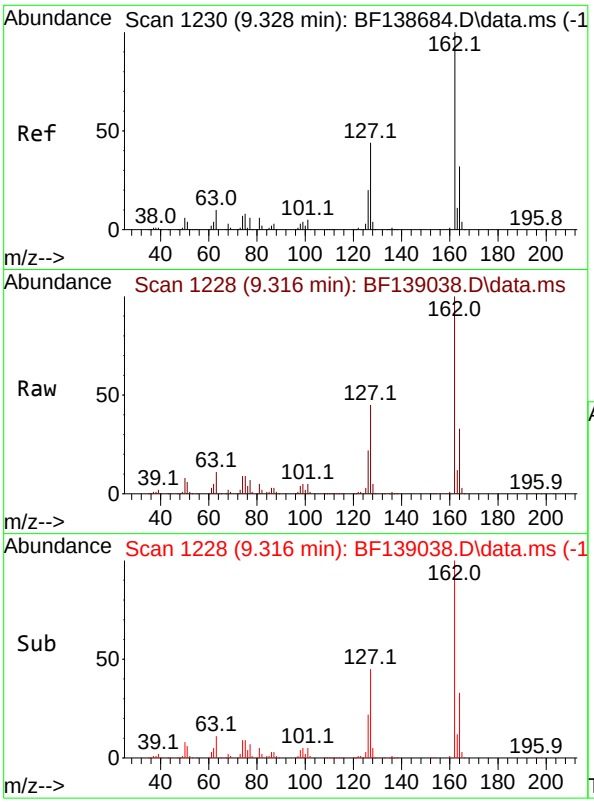


#46
1,1'-Biphenyl
Concen: 49.138 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:154 Resp: 347565

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.8	60.8
76	11.5	0.0	32.8

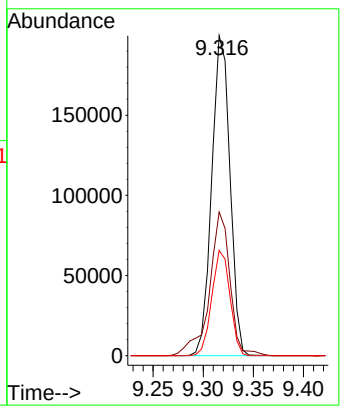




#47
2-Chloronaphthalene
Concen: 48.077 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:162 Resp: 25291

Ion	Ratio	Lower	Upper
162	100		
127	44.9	35.4	53.2
164	32.9	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
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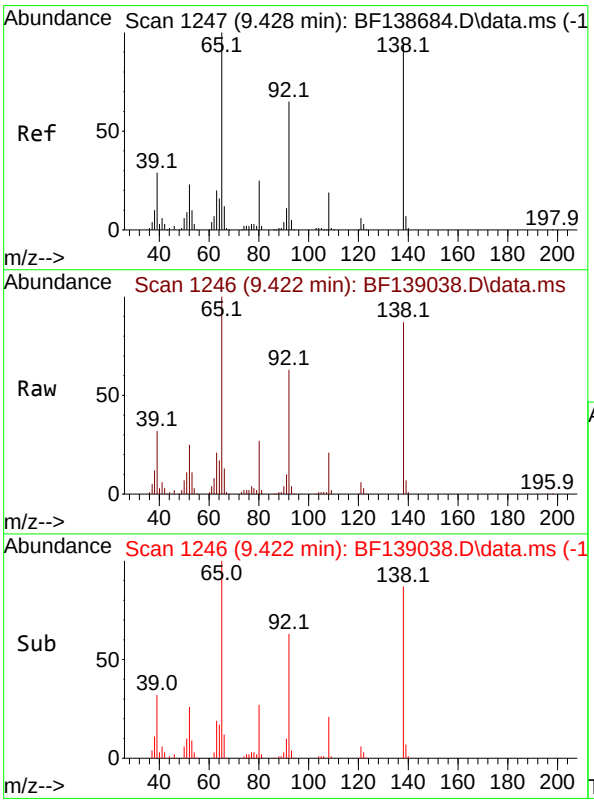
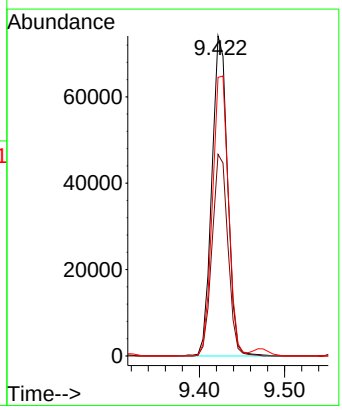
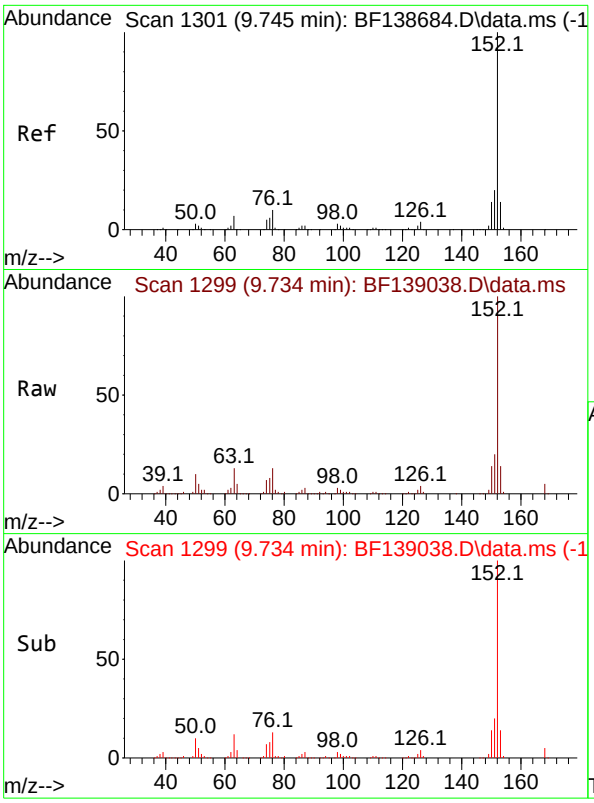


#48
2-Nitroaniline
Concen: 53.639 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion: 65 Resp: 95659

Ion	Ratio	Lower	Upper
65	100		
92	63.0	52.0	78.0
138	87.1	76.2	114.4

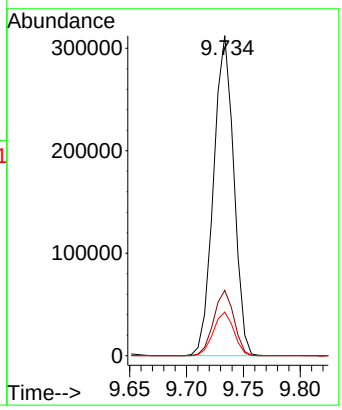




#49
Acenaphthylene
Concen: 52.012 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:152 Resp: 38806

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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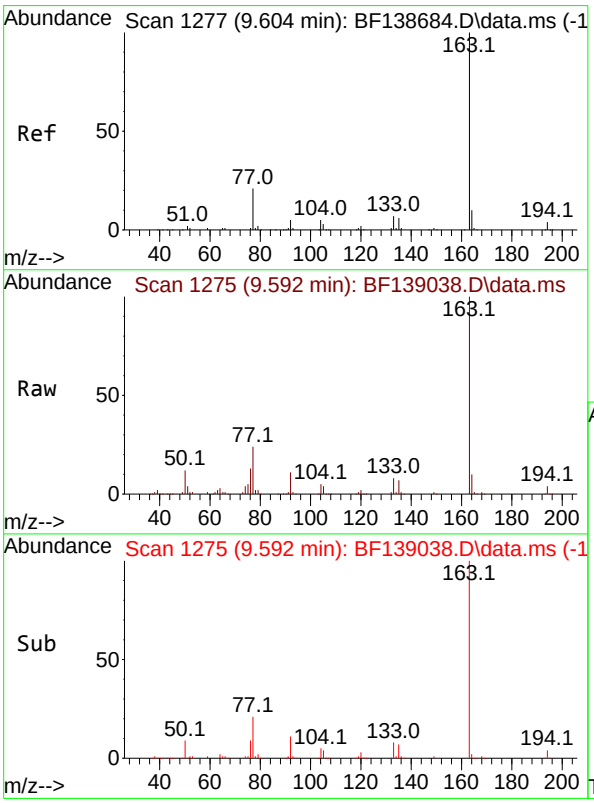
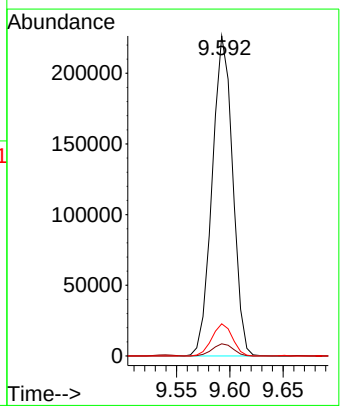
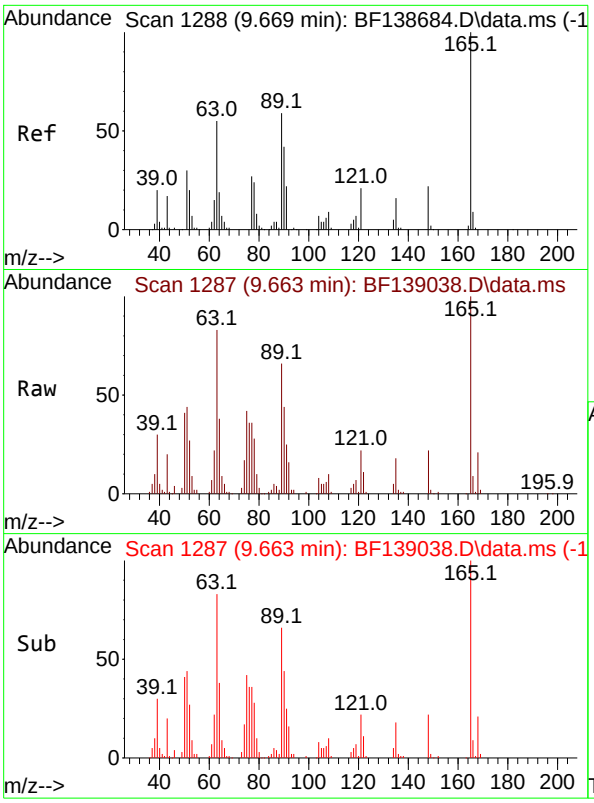


#50
Dimethylphthalate
Concen: 52.460 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:163 Resp: 302944

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.0	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 50.383 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:165 Resp: 6566

Ion	Ratio	Lower	Upper
165	100		
63	82.6	52.0	78.0
89	66.0	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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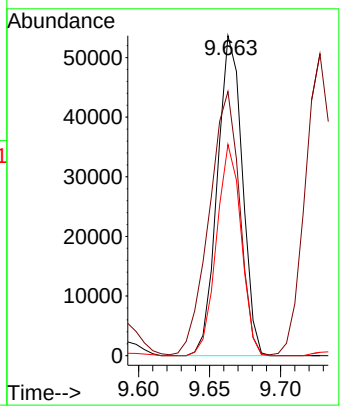
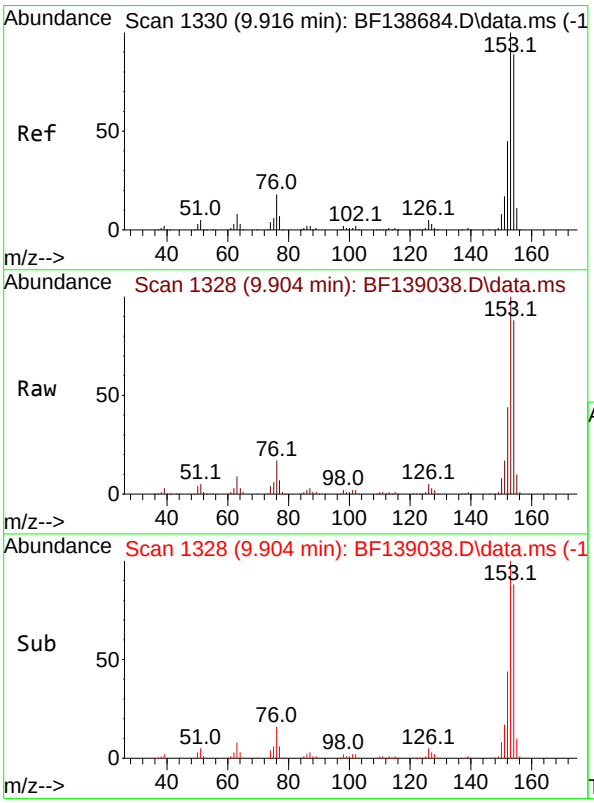
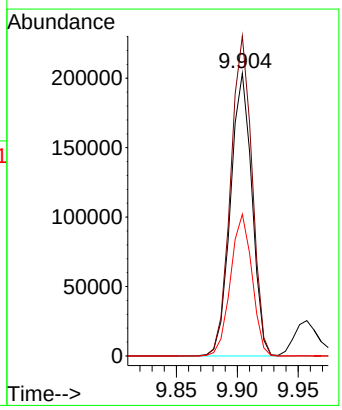


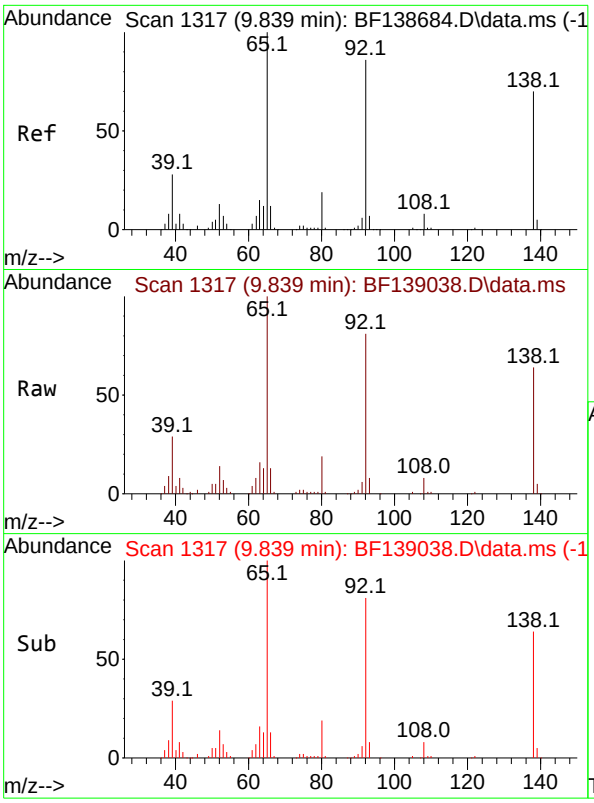


#52
Acenaphthene
Concen: 49.645 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:154 Resp: 248990

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.9	134.9
152	50.2	40.6	60.8

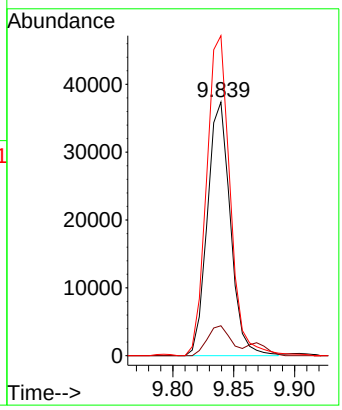




#53
3-Nitroaniline
Concen: 36.381 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:138 Resp: 4901

Ion	Ratio	Lower	Upper
138	100		
108	11.8	9.1	13.7
92	126.2	98.7	148.1



Instrument :
BNA_F
ClientSampleId :
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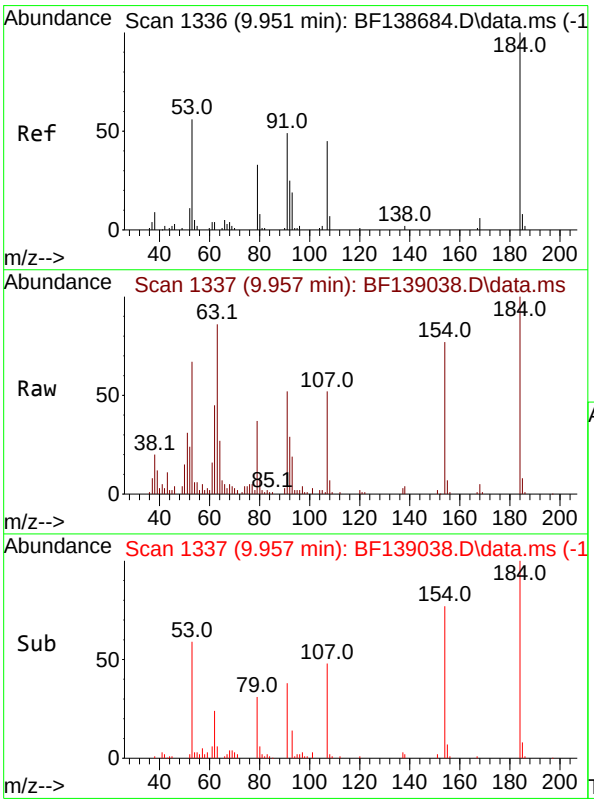
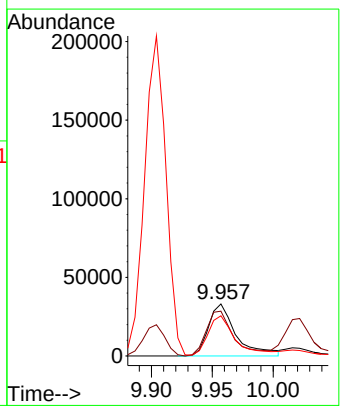
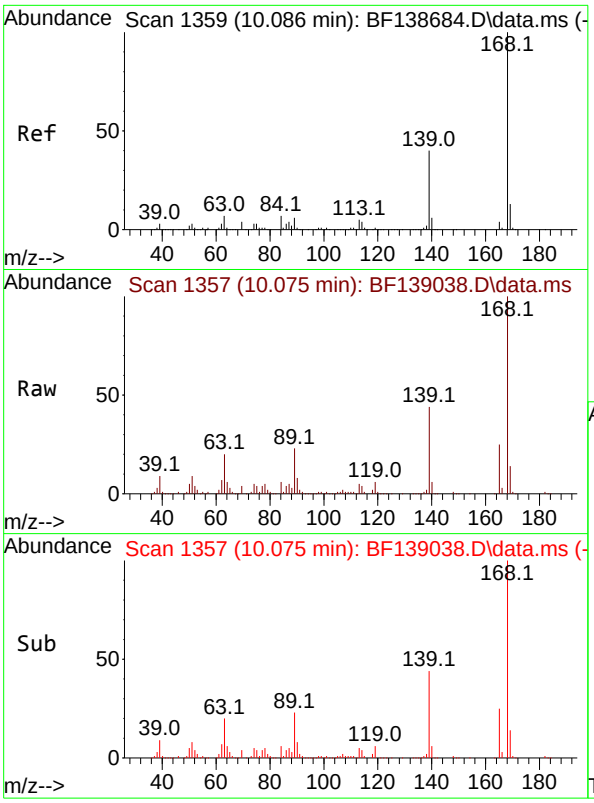


#54
2,4-Dinitrophenol
Concen: 87.122 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:184 Resp: 52267

Ion	Ratio	Lower	Upper
184	100		
63	86.2	57.5	86.3
154	77.2	51.7	77.5

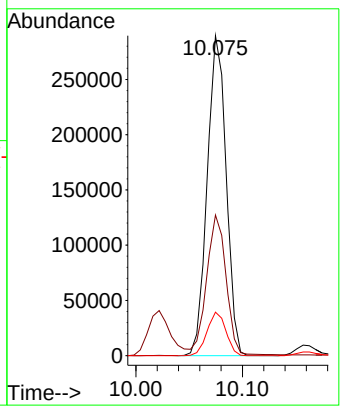




#55
Dibenzofuran
Concen: 50.749 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:168 Resp: 35929

Ion	Ratio	Lower	Upper
168	100		
139	43.9	32.6	49.0
169	13.6	10.7	16.1



Instrument :
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ClientSampleId :
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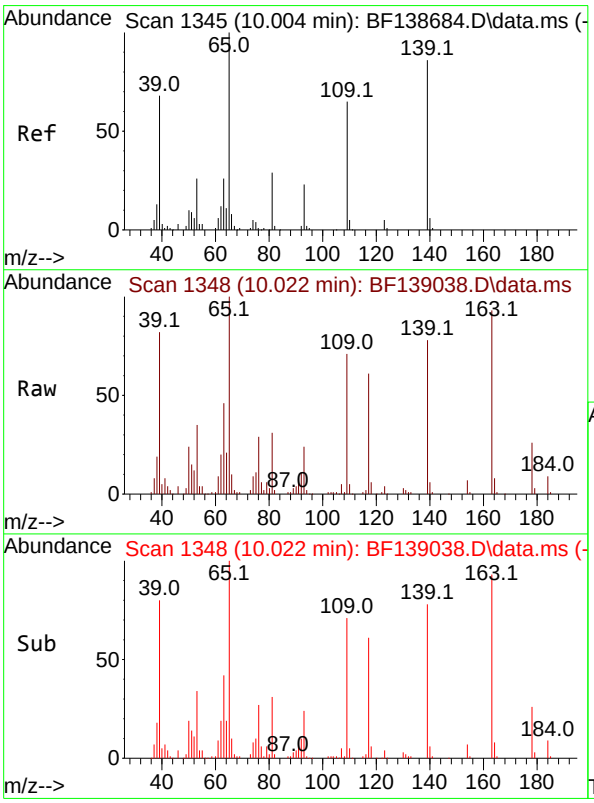
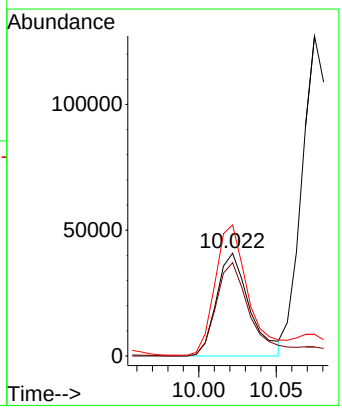
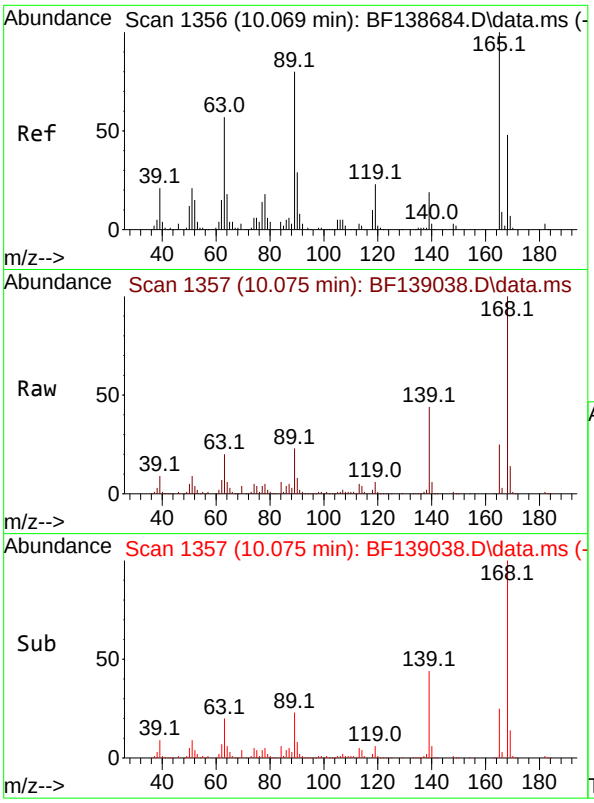


#56
4-Nitrophenol
Concen: 74.345 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:139 Resp: 60233

Ion	Ratio	Lower	Upper
139	100		
109	90.8	55.5	95.5
65	127.4	96.7	136.7

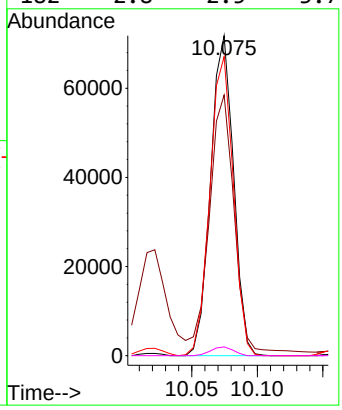




#57
2,4-Dinitrotoluene
Concen: 52.491 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:165 Resp: 8727

Ion	Ratio	Lower	Upper
165	100		
63	81.4	46.3	69.5#
89	93.4	64.2	96.4
182	2.8	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
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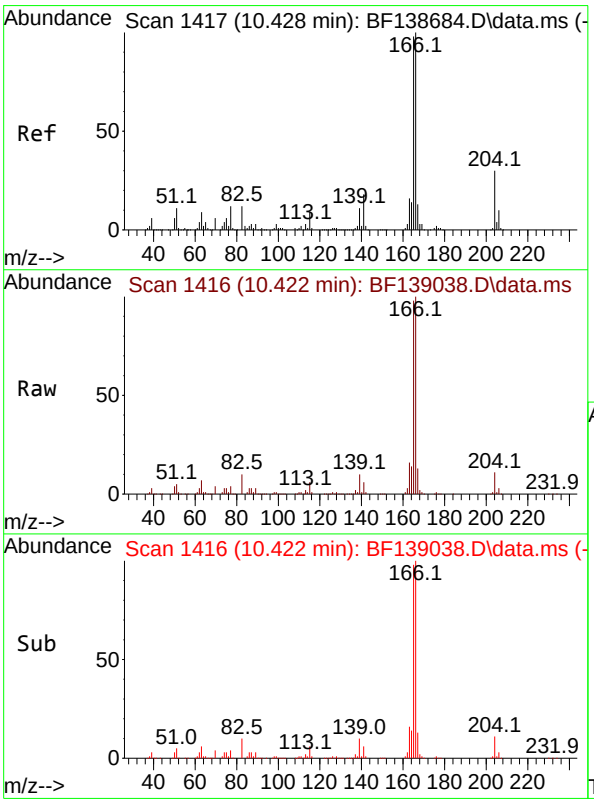
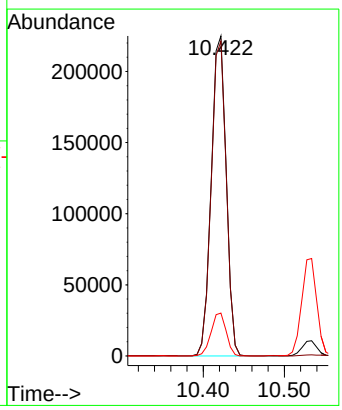
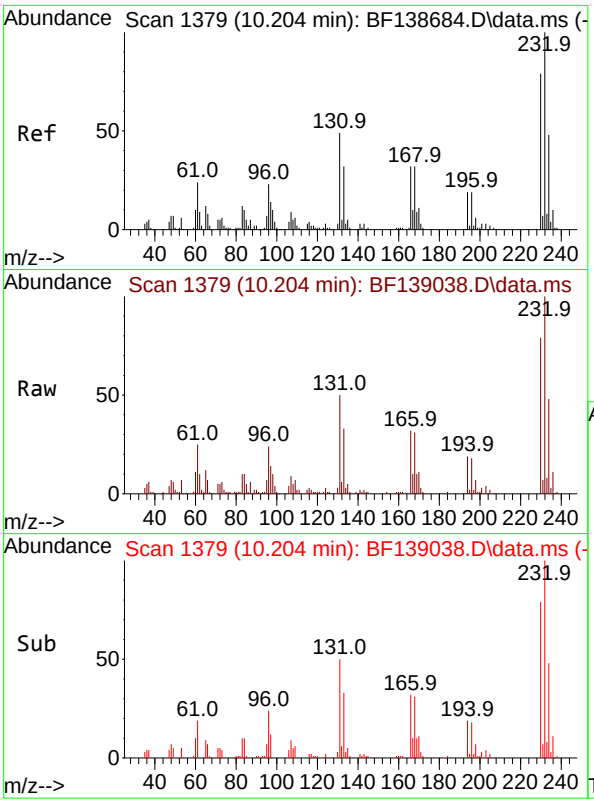


#58
Fluorene
Concen: 51.134 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:166 Resp: 288288

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.4	117.6
167	13.4	10.6	16.0

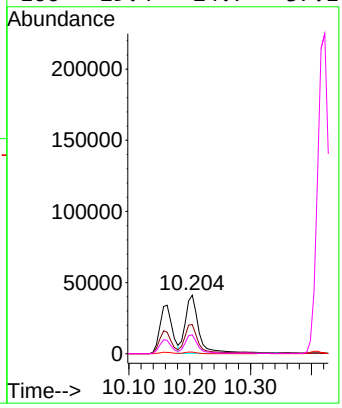




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.913 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:232 Resp: 6253

Ion	Ratio	Lower	Upper
232	100		
131	50.2	37.0	55.4
130	2.6	2.0	3.0
166	29.4	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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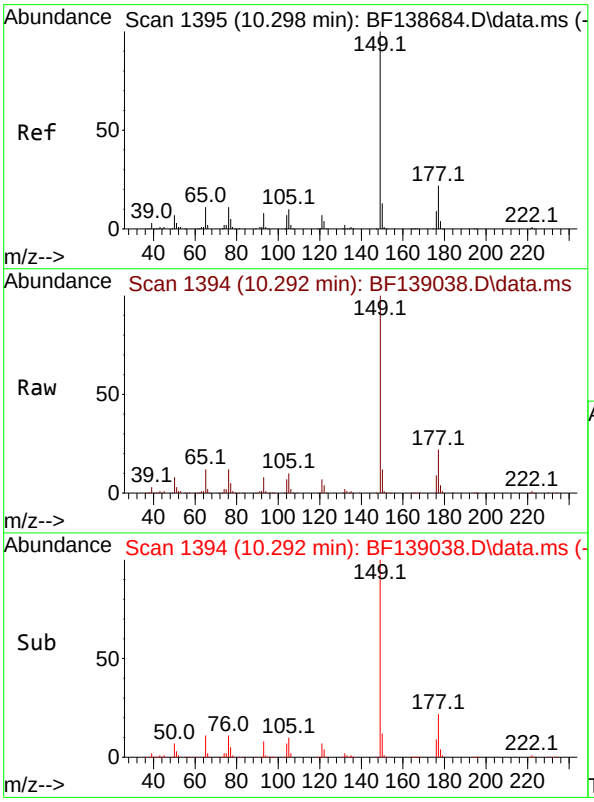
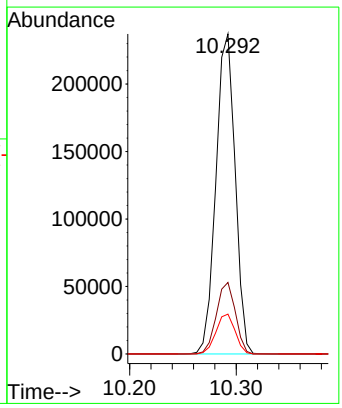
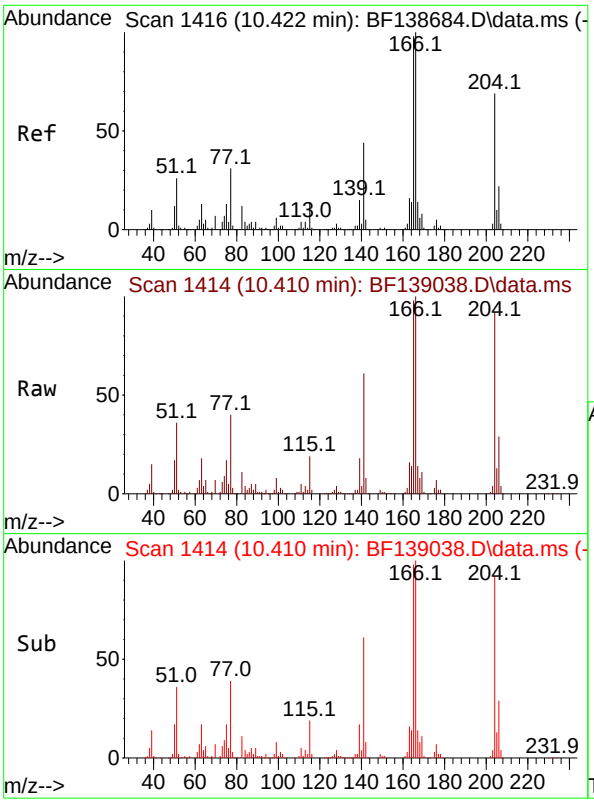


#60
Diethylphthalate
Concen: 54.144 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:149 Resp: 296462

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.8
150	12.5	10.1	15.1

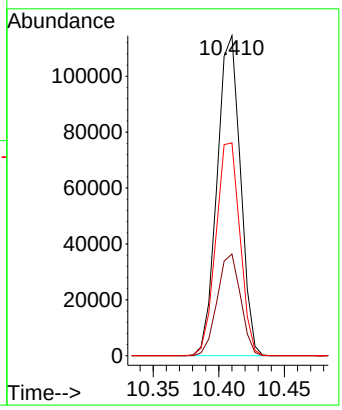




#61
4-Chlorophenyl-phenylether
Concen: 51.176 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:204 Resp: 14190

Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.1	39.1
141	66.5	51.4	77.0



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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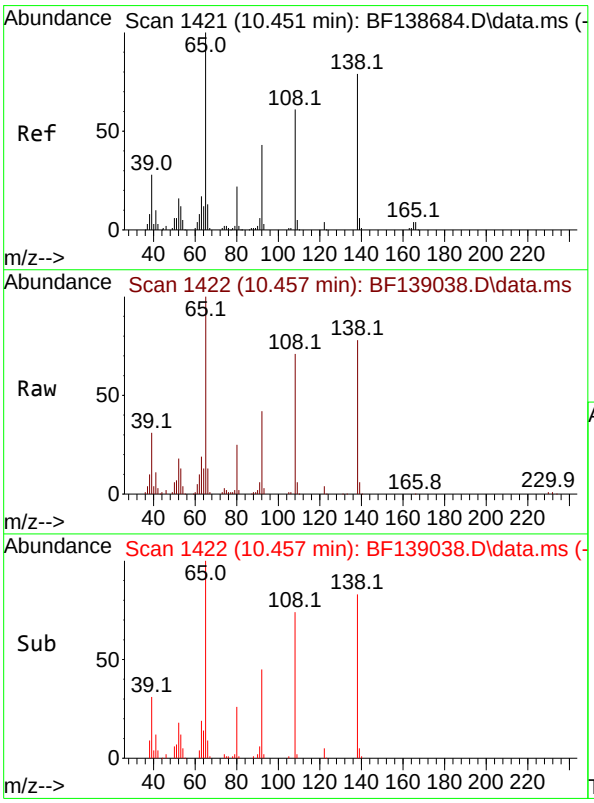
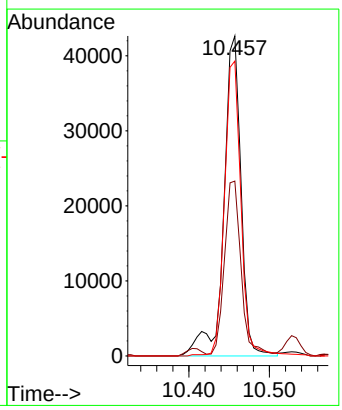
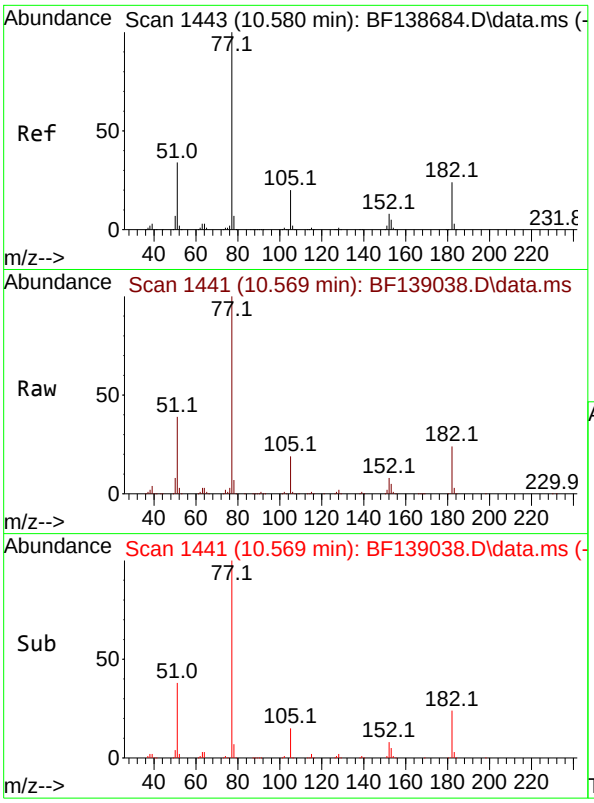


#62
4-Nitroaniline
Concen: 49.557 ng m
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:138 Resp: 63449

Ion	Ratio	Lower	Upper
138	100		
92	54.6	34.2	74.2
108	92.1	56.2	96.2





#63
Azobenzene
Concen: 51.033 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Tgt Ion: 77 Resp: 30991

Ion	Ratio	Lower	Upper
77	100		
182	23.7	3.4	43.4
105	19.3	0.2	40.2
51	38.9	14.6	54.6

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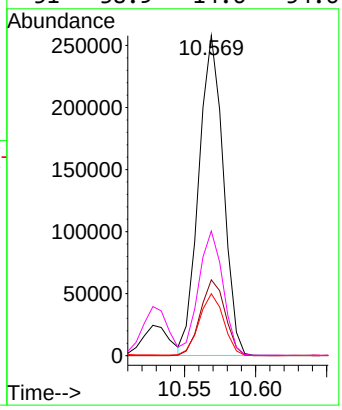
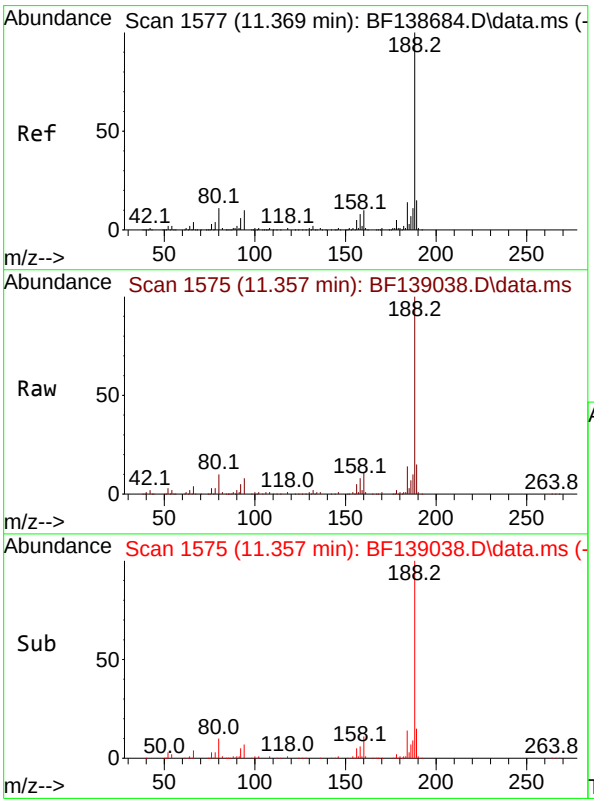
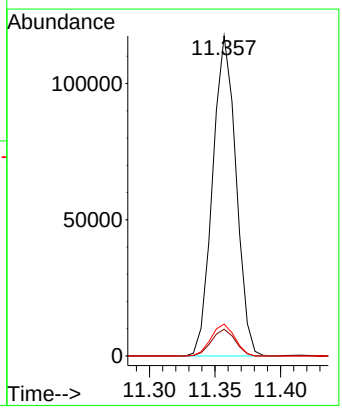


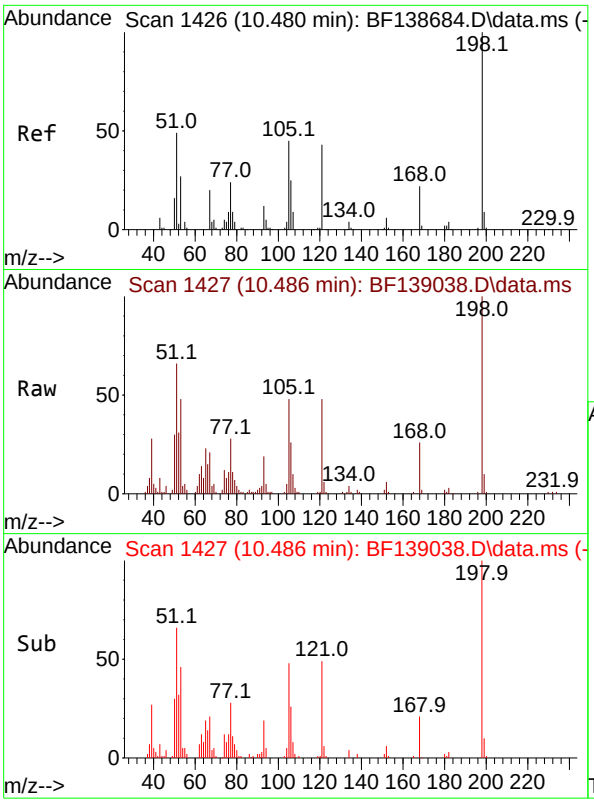


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:188 Resp: 145618

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.6	11.4
80	9.9	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 47.422 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:198 Resp: 4212

Ion	Ratio	Lower	Upper
198	100		
51	66.3	39.9	79.9
105	47.6	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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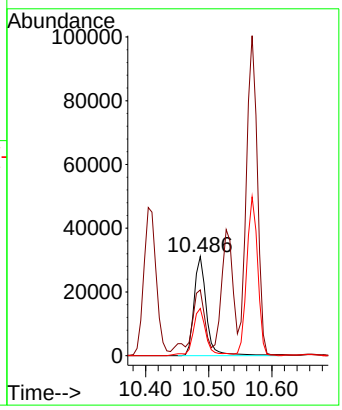
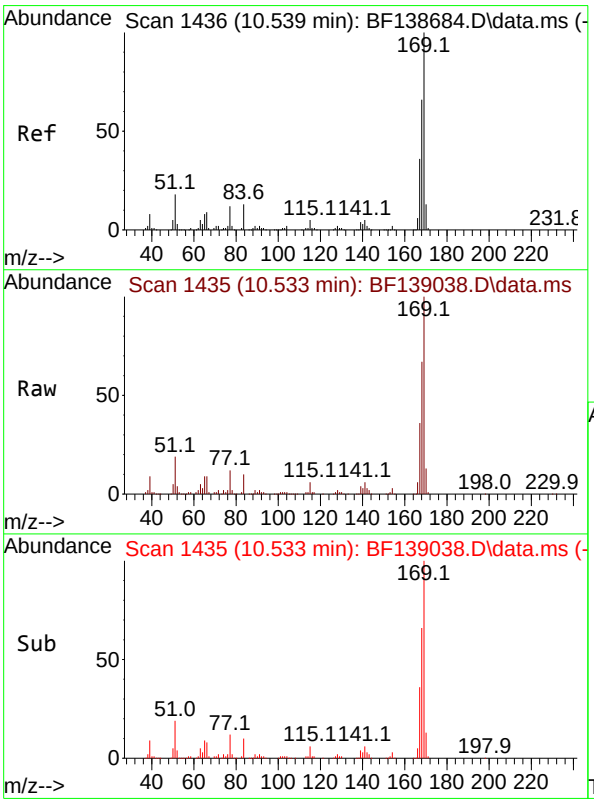
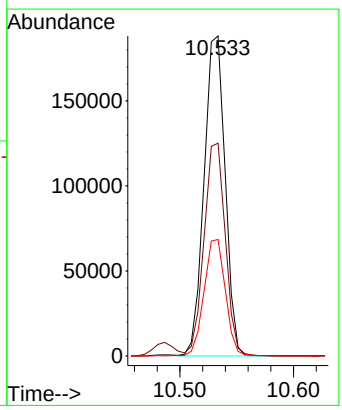


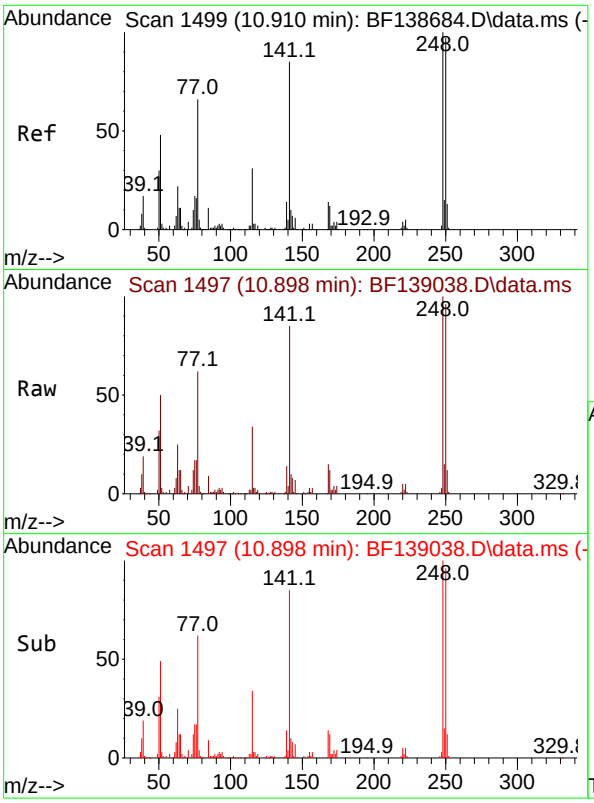


#66
n-Nitrosodiphenylamine
Concen: 53.199 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:169 Resp: 242146

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.4	29.0	43.6

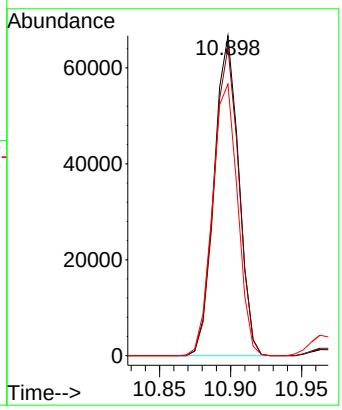




#67
4-Bromophenyl-phenylether
Concen: 50.867 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:248 Resp: 8019(

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.7	116.5
141	84.9	68.0	102.0



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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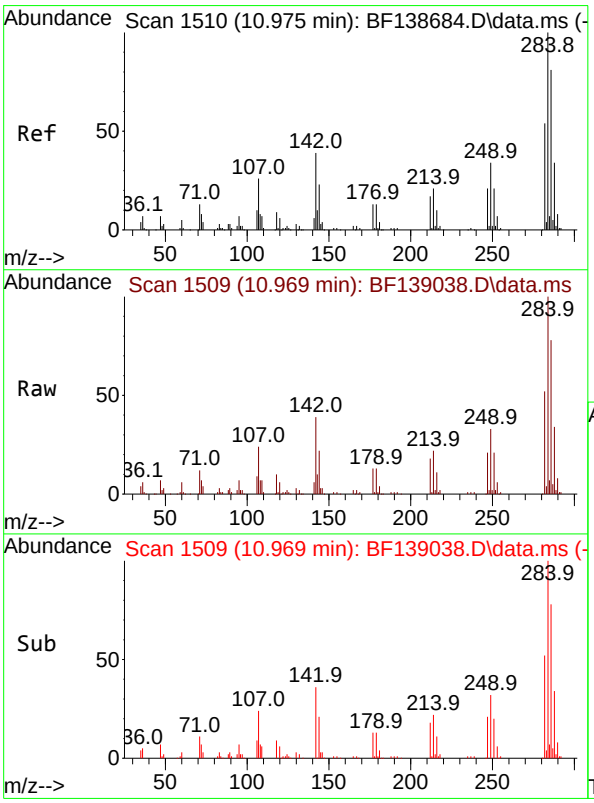
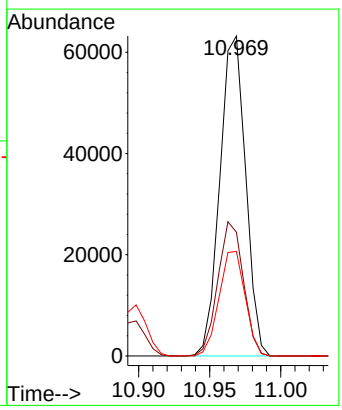
Supervised By :mohammad ahmed 08/17/2024

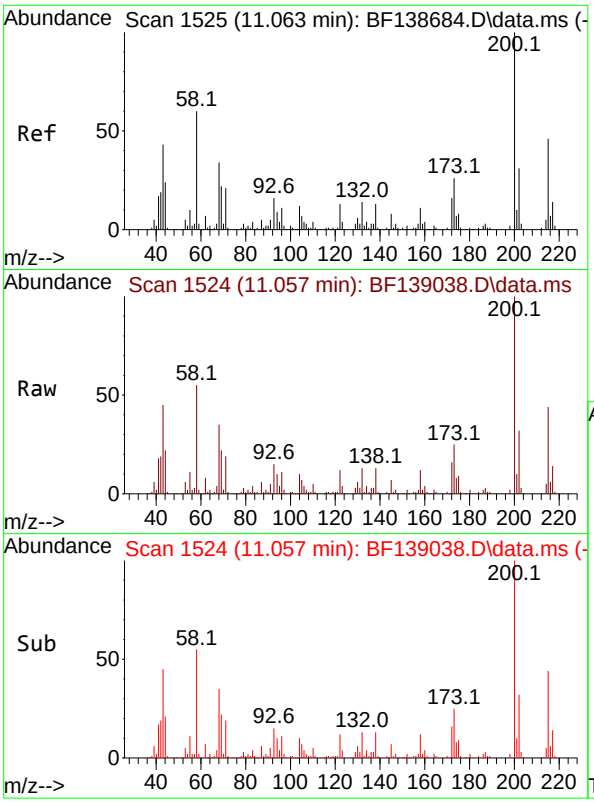


#68
Hexachlorobenzene
Concen: 49.035 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:284 Resp: 79821

Ion	Ratio	Lower	Upper
284	100		
142	38.6	31.3	46.9
249	32.7	27.2	40.8

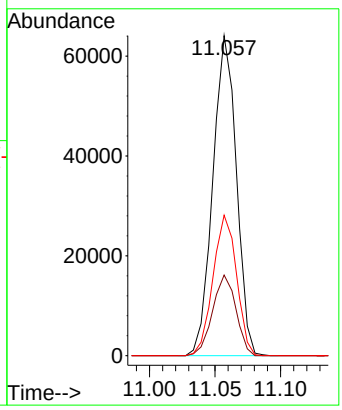




#69
Atrazine
Concen: 68.078 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:200 Resp: 7994

Ion	Ratio	Lower	Upper
200	100		
173	25.2	6.0	46.0
215	43.9	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
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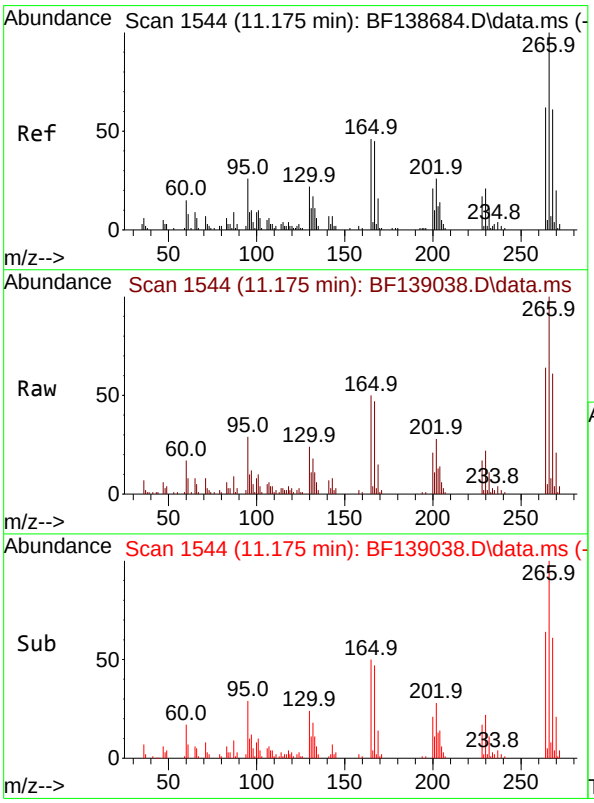
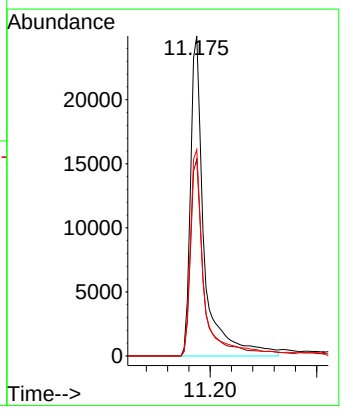
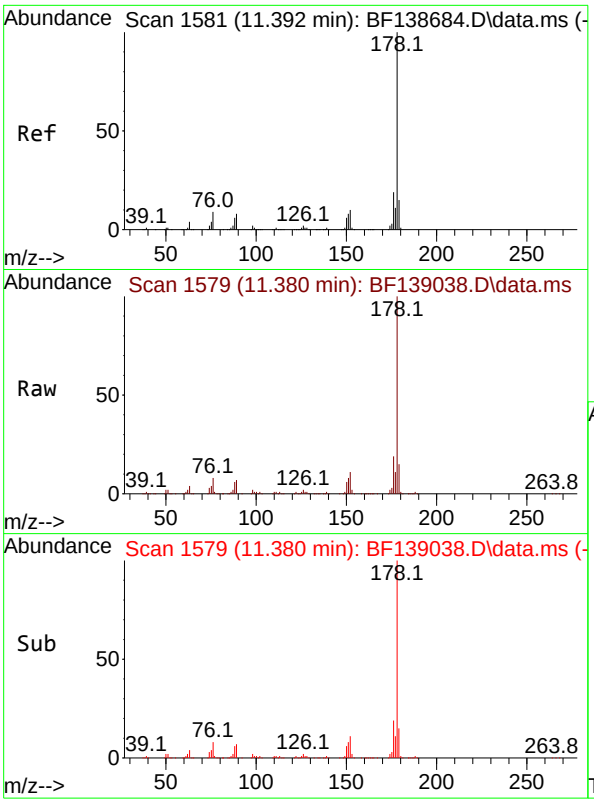


#70
Pentachlorophenol
Concen: 61.361 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:266 Resp: 45023

Ion	Ratio	Lower	Upper
266	100		
268	61.4	49.2	73.8
264	64.5	49.8	74.6

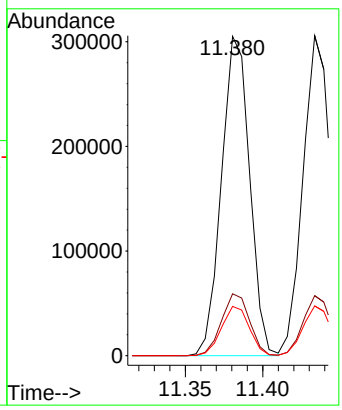




#71
Phenanthrene
Concen: 51.464 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:178 Resp: 38588

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.4	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
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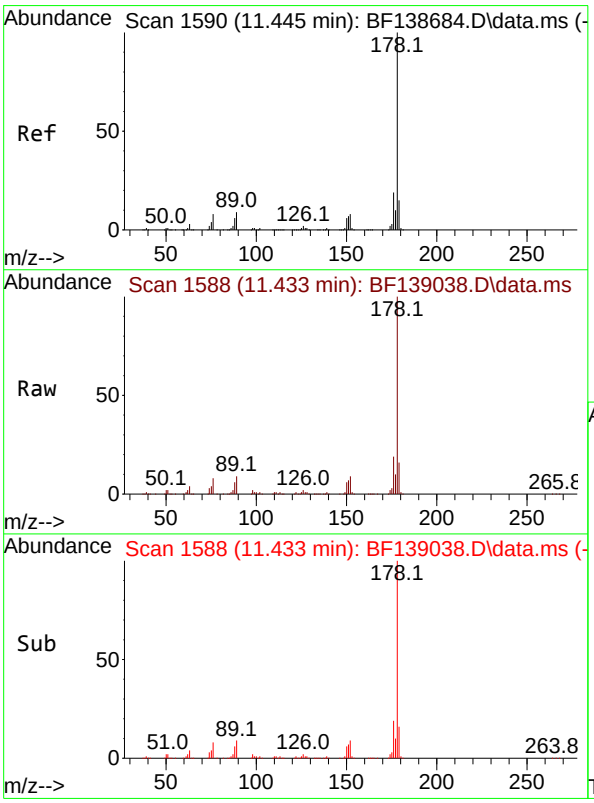
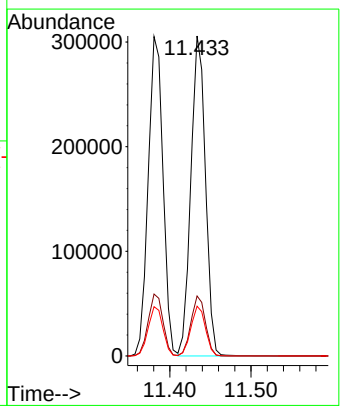
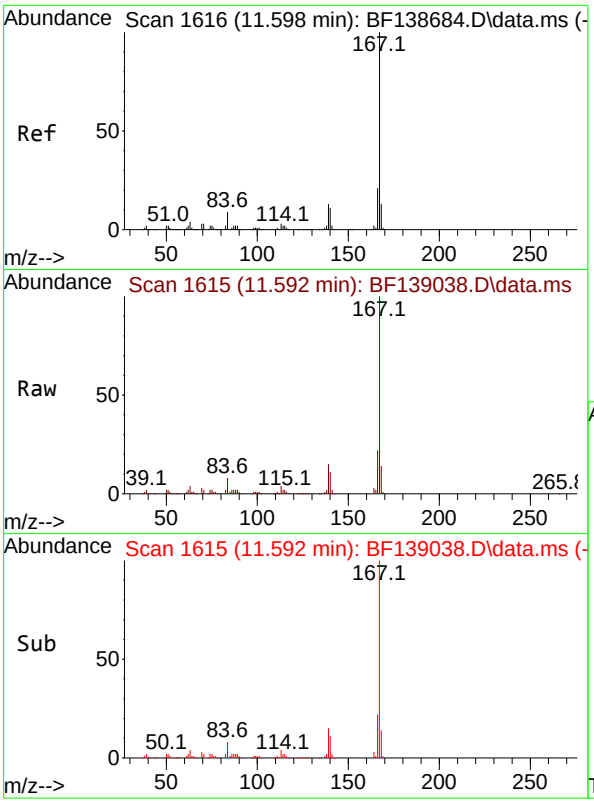


#72
Anthracene
Concen: 51.794 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:178 Resp: 382585

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	12.4	18.6

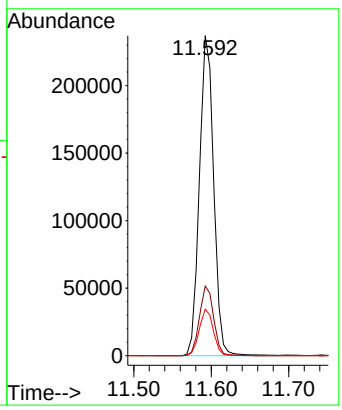




#73
Carbazole
Concen: 47.517 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:167 Resp: 30282

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	14.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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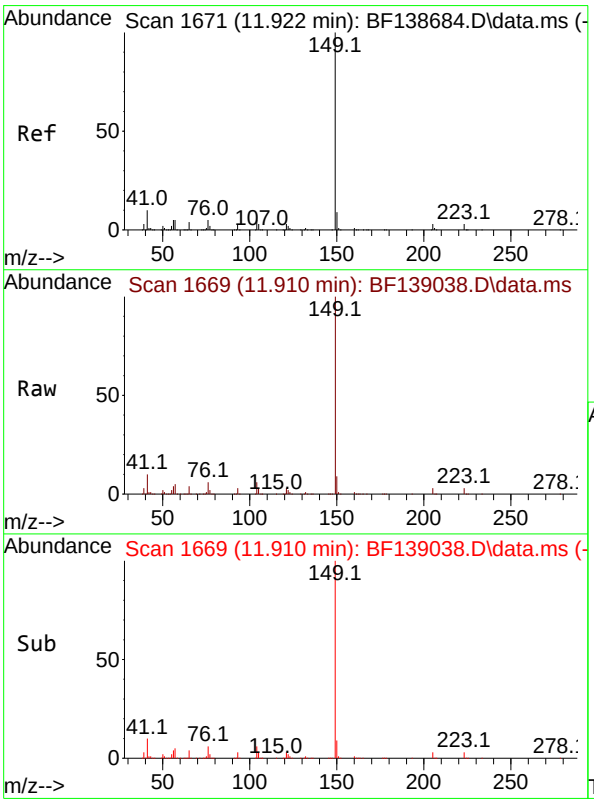
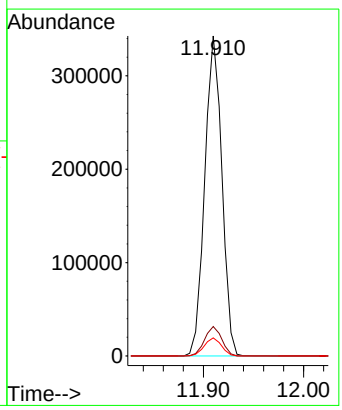
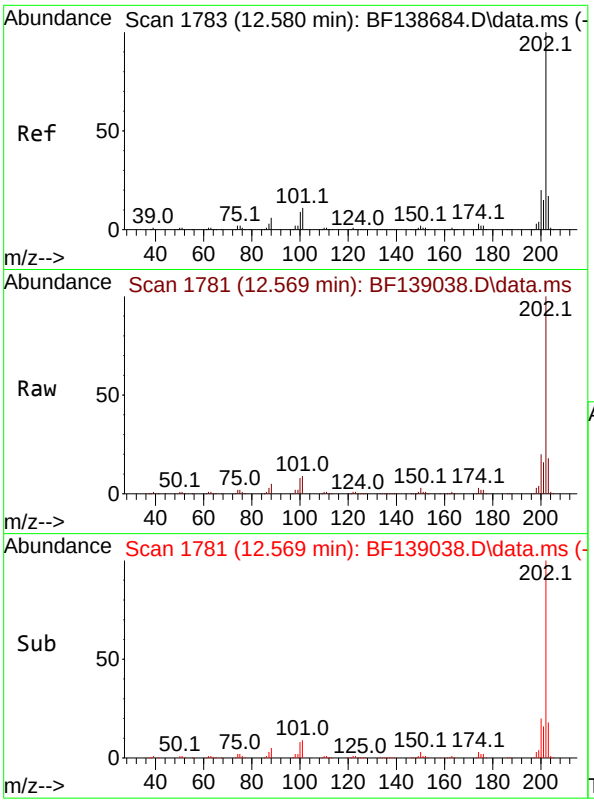


#74
Di-n-butylphthalate
Concen: 56.905 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:149 Resp: 407674

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.6	4.1	6.1

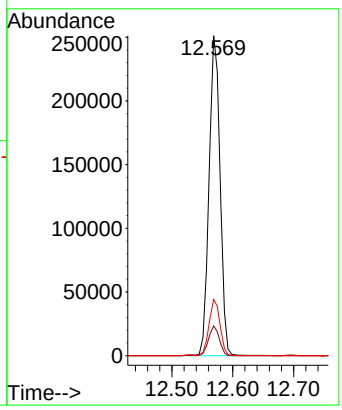




#75
Fluoranthene
Concen: 45.105 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:202 Resp: 31573

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.2
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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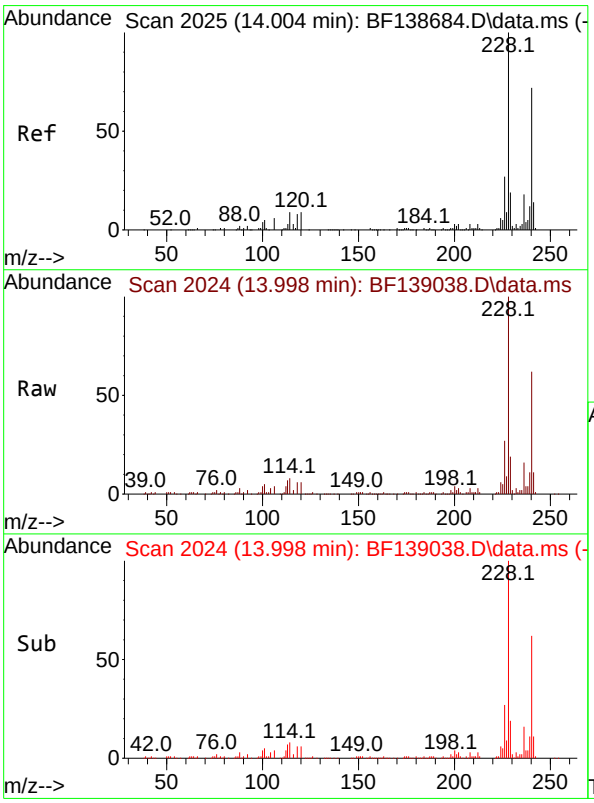
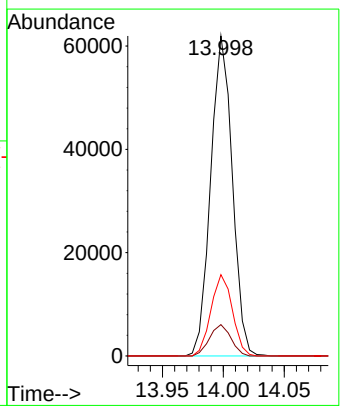
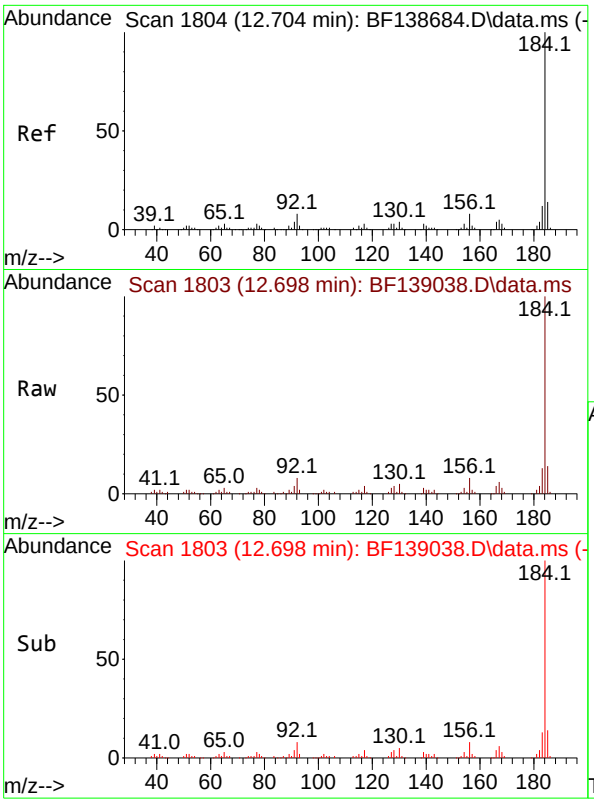


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:240 Resp: 76395

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.2	15.4#
236	25.4	19.8	29.8

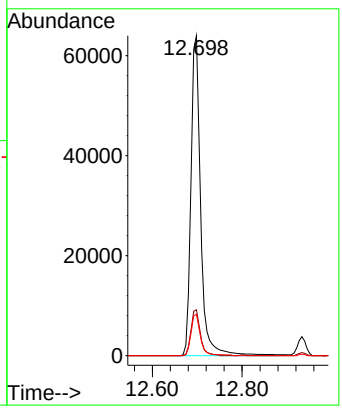




#77
Benzidine
Concen: 52.730 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:184 Resp: 9635

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.1	16.7
183	12.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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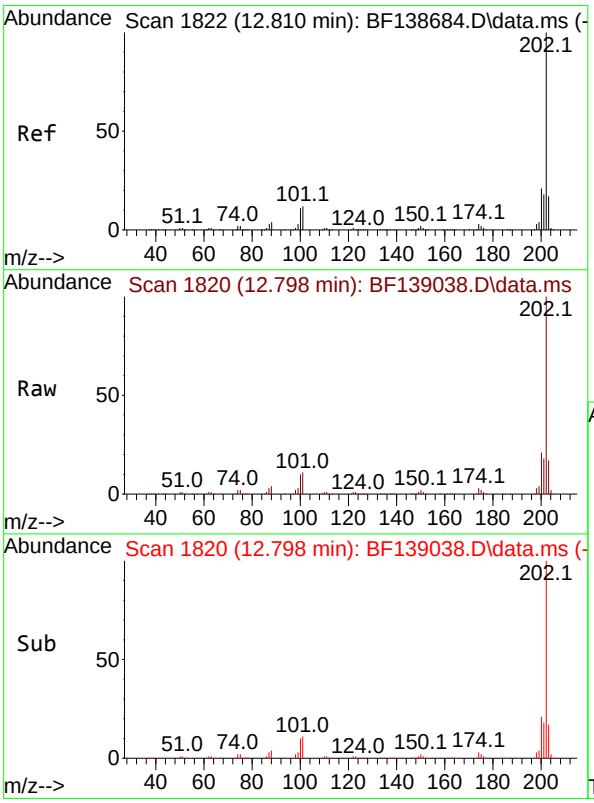
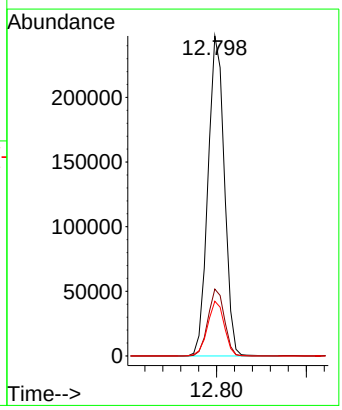
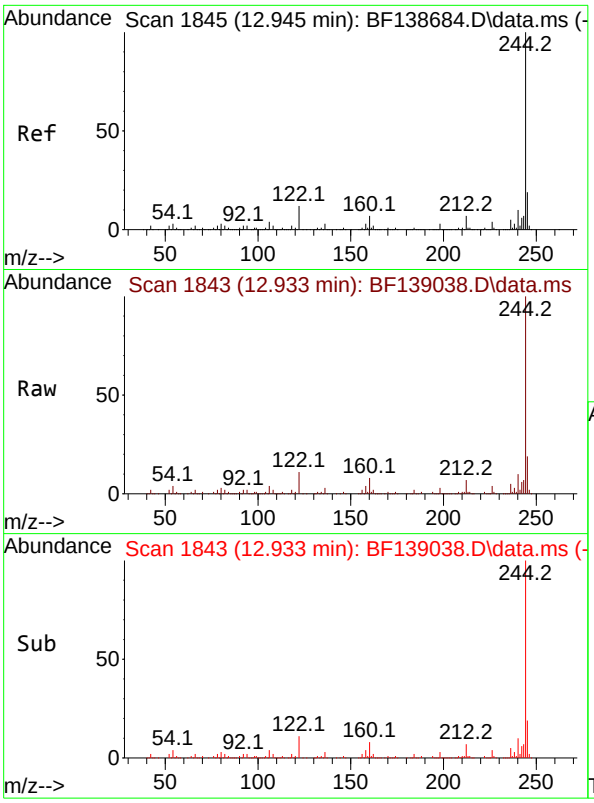


#78
Pyrene
Concen: 43.529 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:202 Resp: 313098

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.1	13.8	20.6

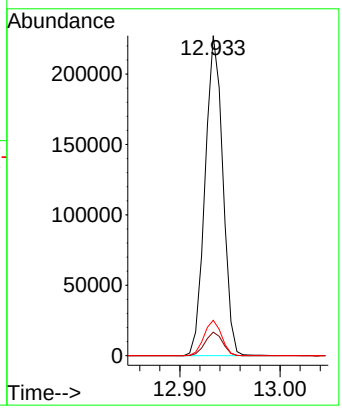




#79
Terphenyl-d14
Concen: 61.416 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:244 Resp: 28023

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	11.1	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
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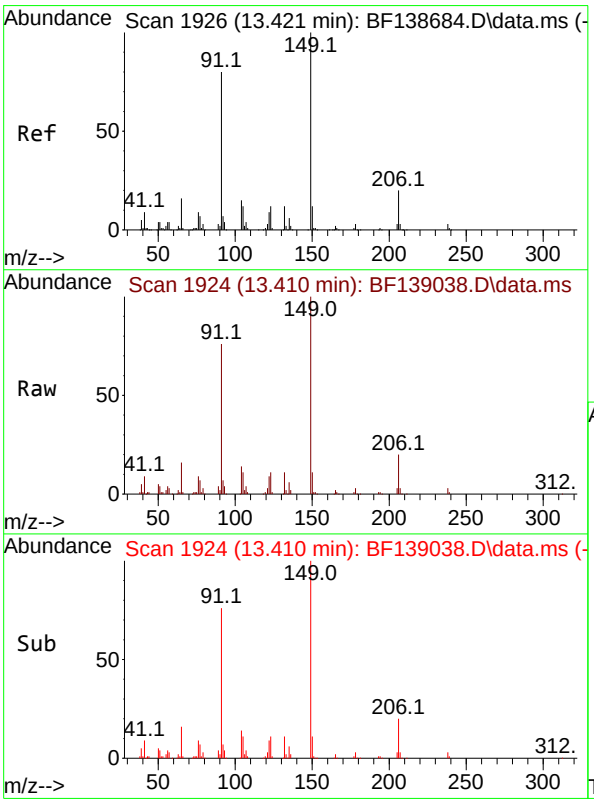
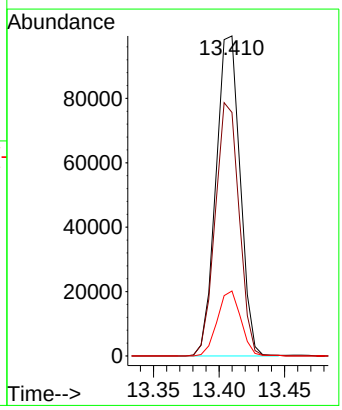
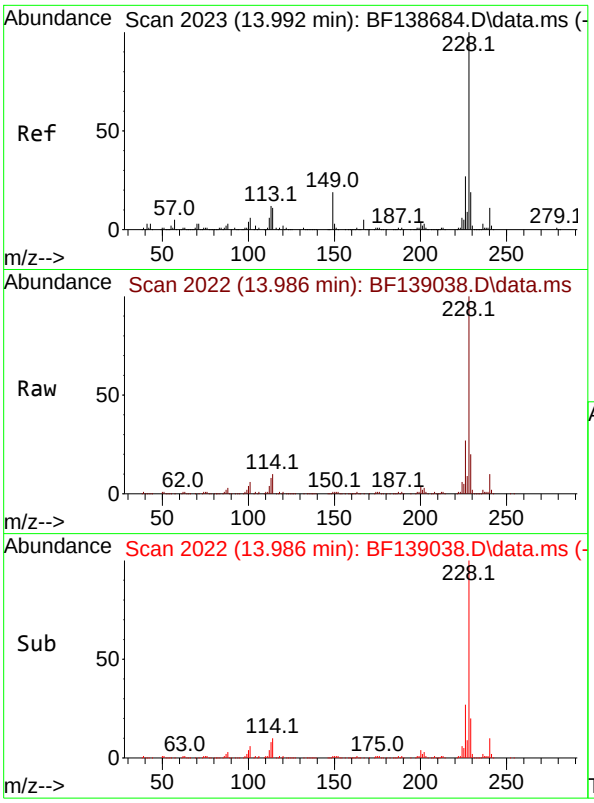


#80
Butylbenzylphthalate
Concen: 55.283 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:149 Resp: 127336

Ion	Ratio	Lower	Upper
149	100		
91	76.1	63.7	95.5
206	20.3	16.2	24.2

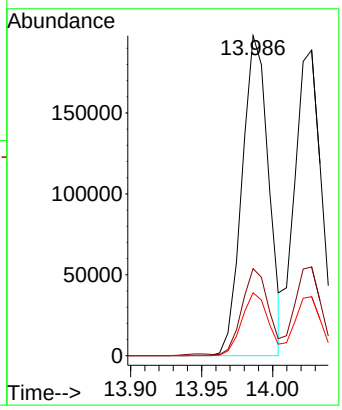




#81
Benzo(a)anthracene
Concen: 48.765 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:228 Resp: 25654

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.6	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
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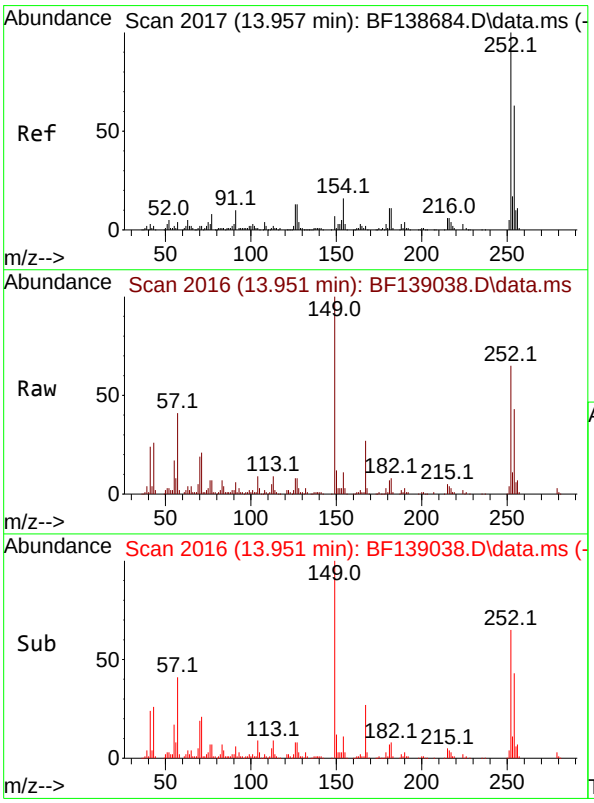
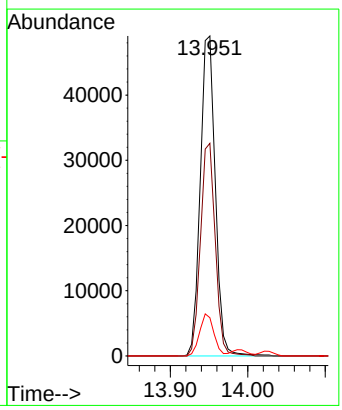
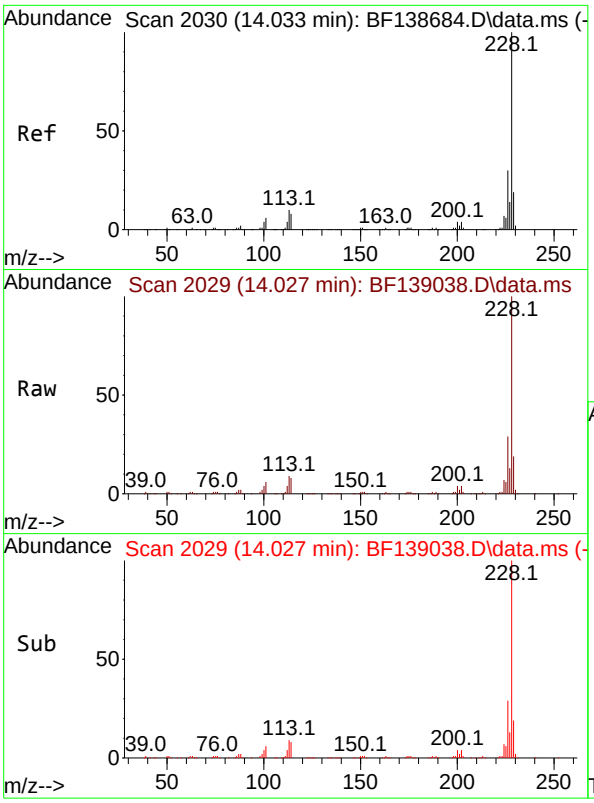


#82
3,3'-Dichlorobenzidine
Concen: 49.048 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:252 Resp: 66030

Ion	Ratio	Lower	Upper
252	100		
254	66.4	50.8	76.2
126	12.0	10.2	15.2

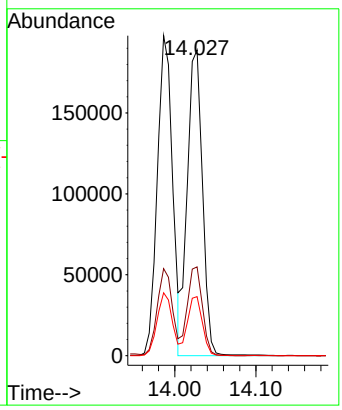




#83
Chrysene
Concen: 51.887 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:228 Resp: 24626

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.7	35.5
229	19.3	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

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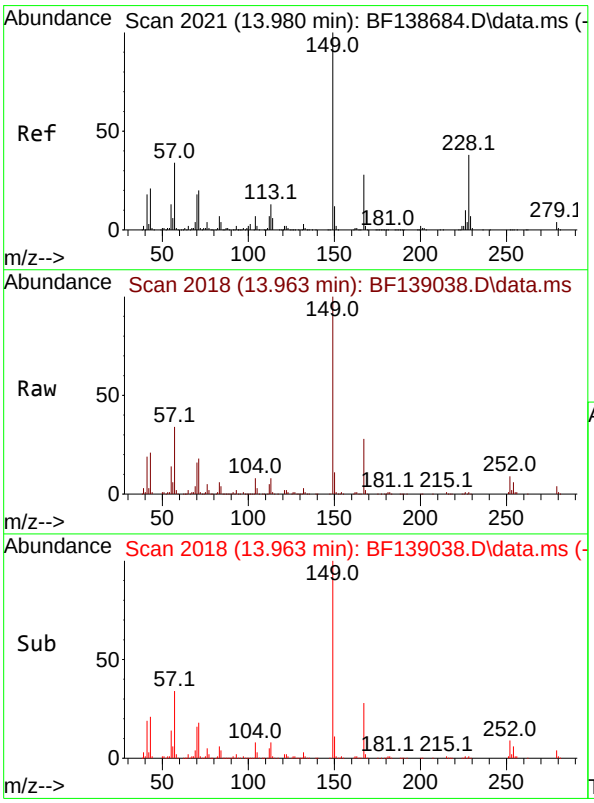
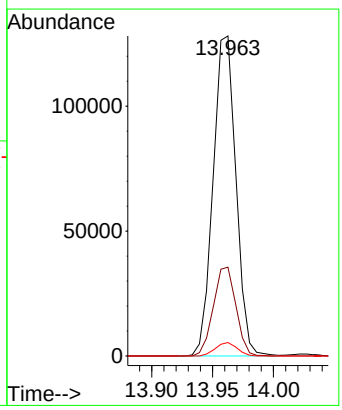
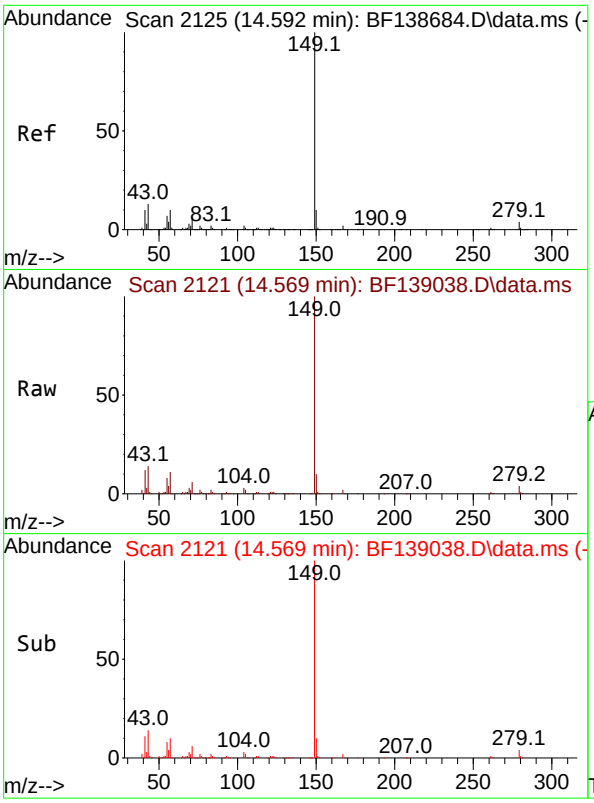


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.643 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:149 Resp: 167438

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.2	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 47.217 ng
RT: 14.569 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

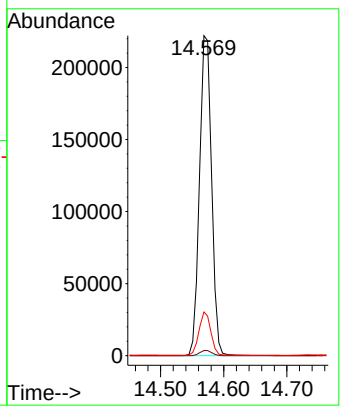
Tgt Ion:149 Resp: 29464

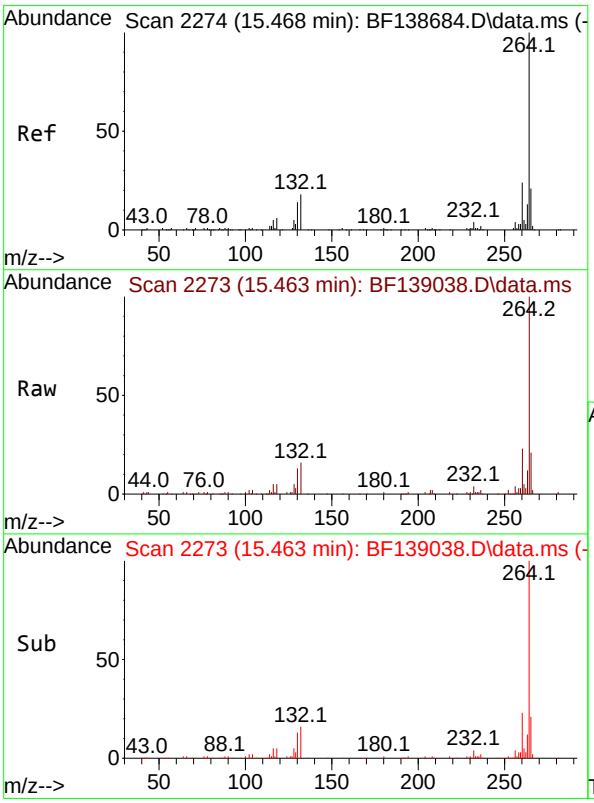
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.3	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

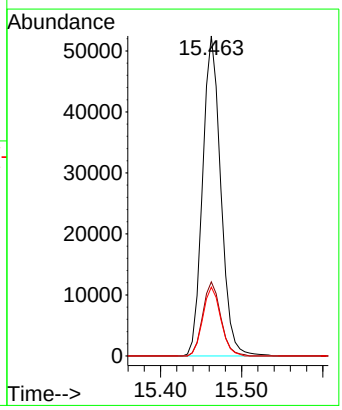


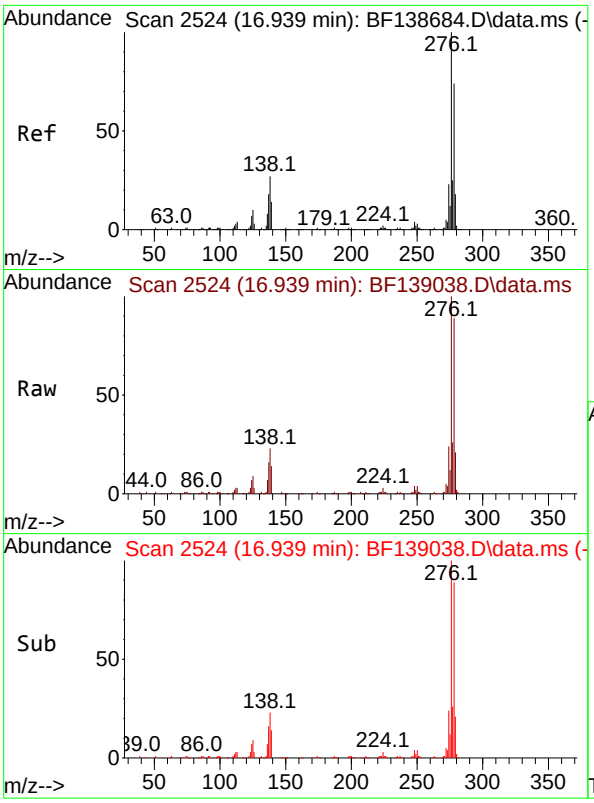


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:264 Resp: 81462

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.6
265	21.5	17.0	25.6

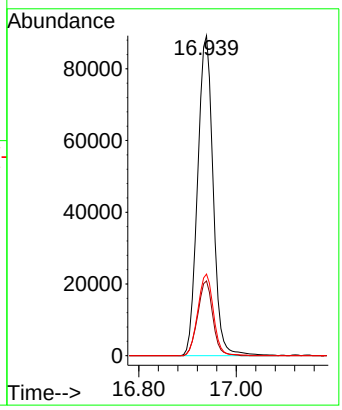




#87
Indeno(1,2,3-cd)pyrene
Concen: 33.820 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:276 Resp: 19743

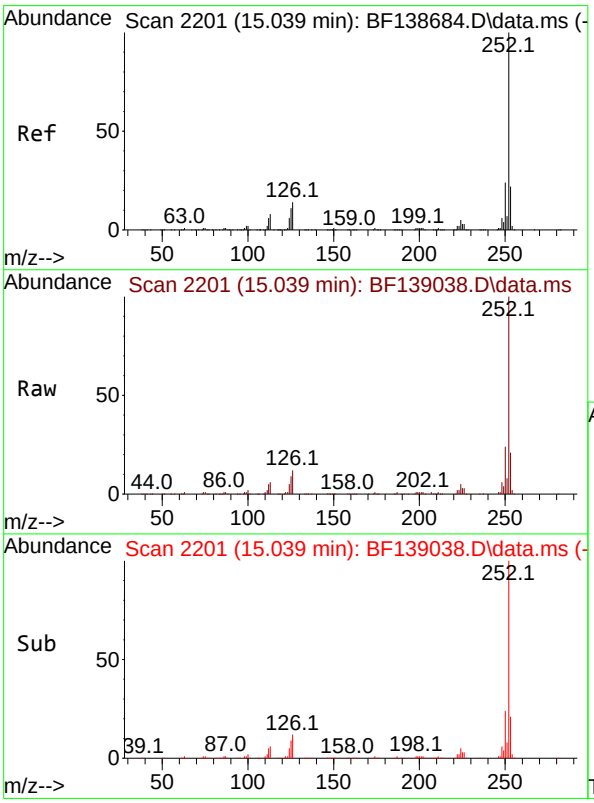
Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.8	32.8
277	25.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
APPROVED

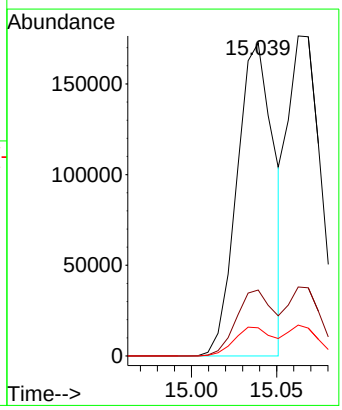
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

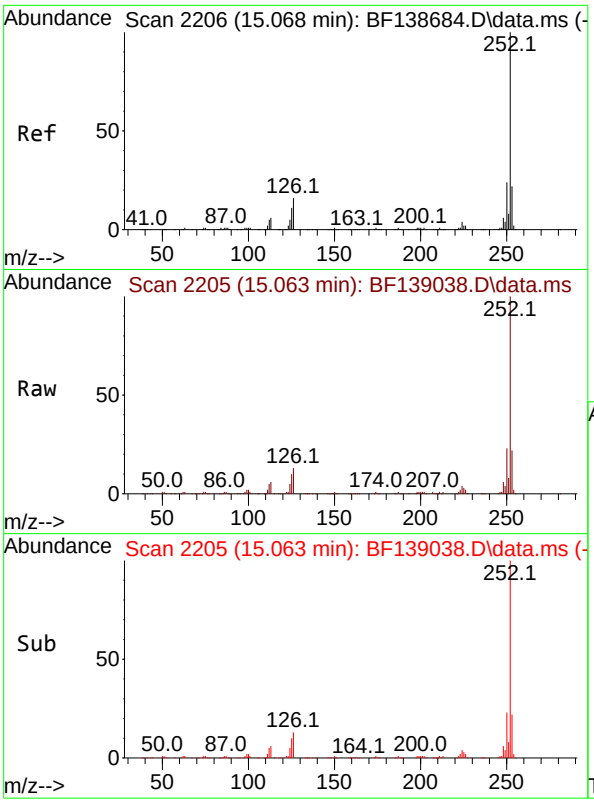


#88
Benzo(b)fluoranthene
Concen: 51.469 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:252 Resp: 259912

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	9.0	8.9	13.3

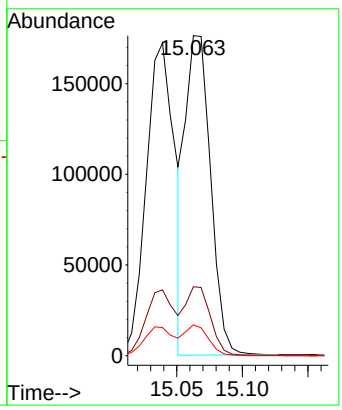




#89
Benzo(k)fluoranthene
Concen: 54.086 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:252 Resp: 23647

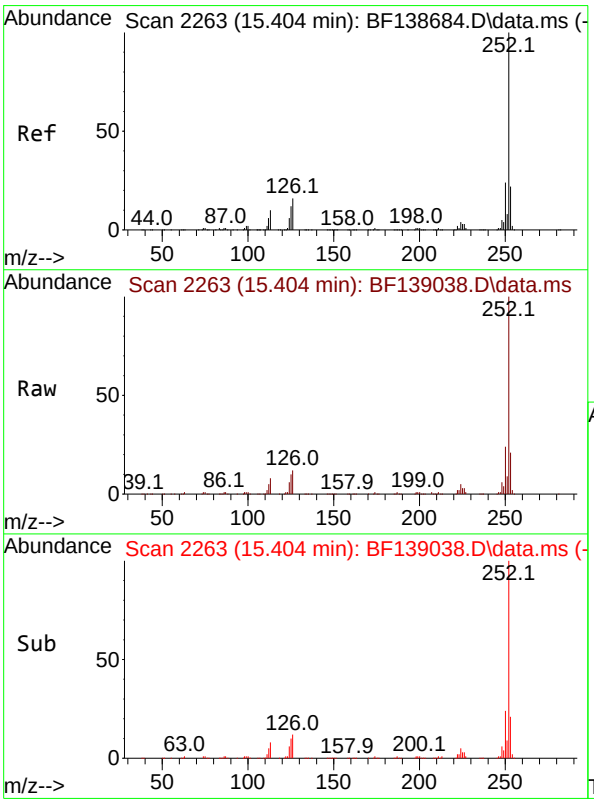
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	9.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
APPROVED

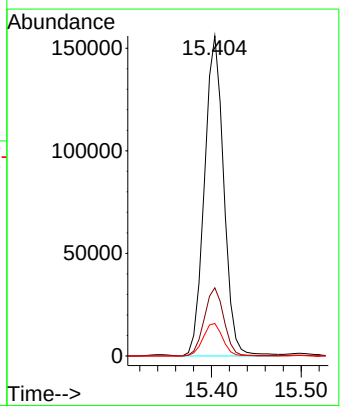
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

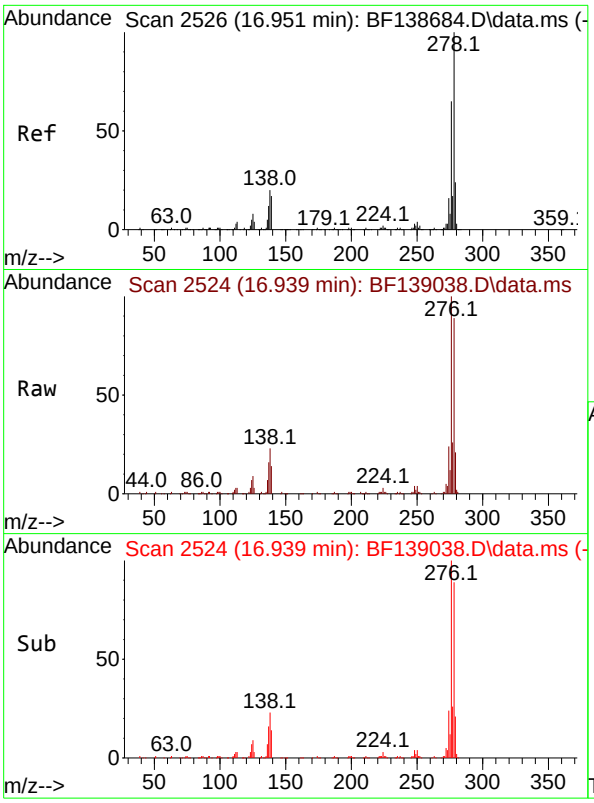


#90
Benzo(a)pyrene
Concen: 54.841 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:252 Resp: 232945

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	10.2	9.5	14.3

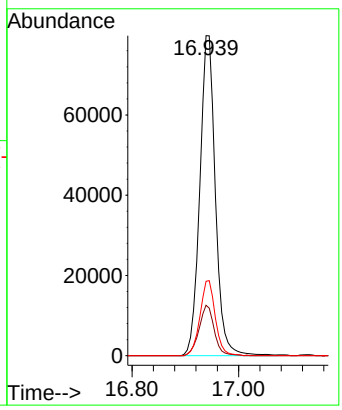




#91
Dibenzo(a,h)anthracene
Concen: 33.812 ng
RT: 16.939 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:278 Resp: 16203

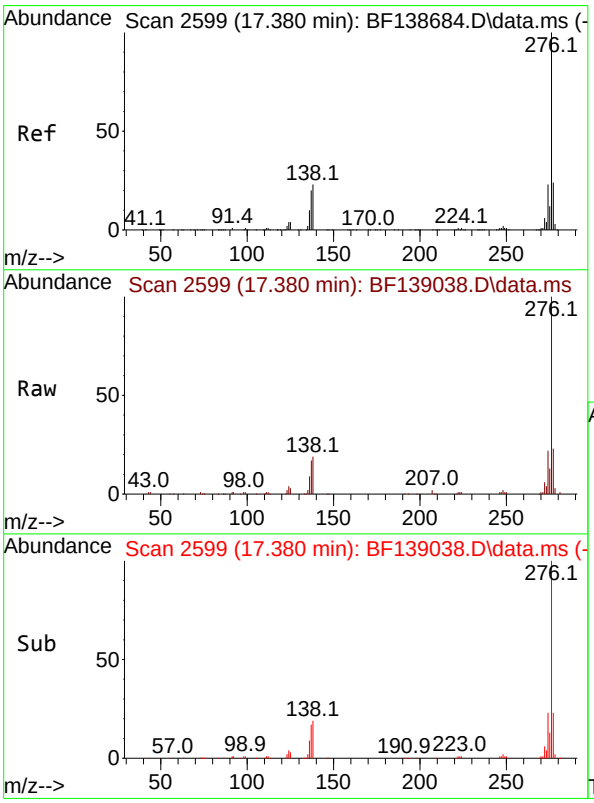
Ion	Ratio	Lower	Upper
278	100		
139	15.8	14.0	21.0
279	23.2	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MS

Manual Integrations
APPROVED

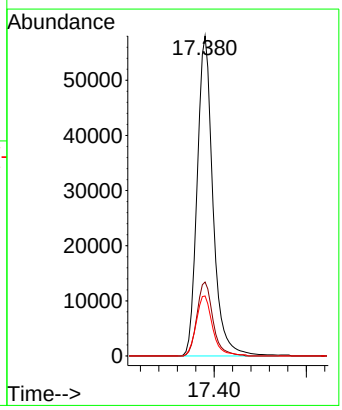
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#92
Benzo(g,h,i)perylene
Concen: 27.790 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF139038.D
Acq: 15 Aug 2024 23:17

Tgt Ion:276 Resp: 138196

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	18.7	18.5	27.7



Raw Data: **BF139039.D**

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/09/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/09/24
Client Sample ID:	S-856-J-SO-1-1.5-080924MSD	SDG No.:	P3573
Lab Sample ID:	P3573-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
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
BF139039.D	1	08/13/24 08:30	08/15/24 23:47	PB162688

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	2300		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2400		120	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		100	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	65.4		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.4		30 (20) - 130 (109)	64%	SPK: 100
1718-51-0	Terphenyl-d14	67.9		30 (10) - 130 (105)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	39300	6.834			
1146-65-2	Naphthalene-d8	163000	8.116			
15067-26-2	Acenaphthene-d10	89300	9.869			
1517-22-2	Phenanthrene-d10	143000	11.357			
1719-03-5	Chrysene-d12	73100	13.998			
1520-96-3	Perylene-d12	76000	15.463			

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: **BF139039.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139039.D
Acq On : 15 Aug 2024 23:47
Operator : RC/JU
Sample : P3573-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 16 00:49:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	39294	20.000	ng		-0.01
21) Naphthalene-d8	8.116	136	163267	20.000	ng		-0.01
39) Acenaphthene-d10	9.869	164	89298	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	143290	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	73082	20.000	ng		# 0.00
86) Perylene-d12	15.463	264	76023	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	251354	98.744	ng		0.00
7) Phenol-d6	6.487	99	336661	98.507	ng		0.00
23) Nitrobenzene-d5	7.404	82	218281	65.366	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	69004	94.336	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	382576	64.371	ng		-0.02
79) Terphenyl-d14	12.933	244	296202	67.858	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	50239	45.080	ng		95
3) Pyridine	3.422	79	128378	47.553	ng		94
4) n-Nitrosodimethylamine	3.393	42	98363	61.176	ng		82
6) Aniline	6.504	93	164290	53.903	ng	#	60
8) 2-Chlorophenol	6.628	128	146913	54.856	ng		98
9) Benzaldehyde	6.393	77	109807	53.598	ng		97
10) Phenol	6.498	94	194252	53.984	ng	#	76
11) bis(2-Chloroethyl)ether	6.575	93	137100	49.512	ng		99
12) 1,3-Dichlorobenzene	6.775	146	153279	51.129	ng		98
13) 1,4-Dichlorobenzene	6.851	146	158574	52.414	ng		99
14) 1,2-Dichlorobenzene	7.004	146	147964	52.331	ng		99
15) Benzyl Alcohol	6.987	79	146125	59.322	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	245364	51.488	ng	#	39
17) 2-Methylphenol	7.104	107	117656	53.202	ng	#	87
18) Hexachloroethane	7.340	117	61242	53.776	ng		97
19) n-Nitroso-di-n-propyla...	7.251	70	116345	56.364	ng		97
20) 3+4-Methylphenols	7.257	107	154629	54.496	ng	#	84
22) Acetophenone	7.251	105	215846	53.994	ng		99
24) Nitrobenzene	7.422	77	173965	51.195	ng		99
25) Isophorone	7.663	82	302179	52.994	ng		98
26) 2-Nitrophenol	7.740	139	76274	52.173	ng		90
27) 2,4-Dimethylphenol	7.781	122	110528	63.189	ng		97
28) bis(2-Chloroethoxy)met...	7.869	93	172434	49.658	ng		98
29) 2,4-Dichlorophenol	7.987	162	120589	53.650	ng		98
30) 1,2,4-Trichlorobenzene	8.057	180	128127	49.396	ng		99
31) Naphthalene	8.140	128	440995	51.315	ng		100
32) Benzoic acid	7.934	122	50231	36.532	ng		92
33) 4-Chloroaniline	8.192	127	90190	31.264	ng		96
34) Hexachlorobutadiene	8.245	225	81572	51.920	ng		97
35) Caprolactam	8.575	113	37941m	56.571	ng		
36) 4-Chloro-3-methylphenol	8.687	107	138794	54.031	ng		98
37) 2-Methylnaphthalene	8.828	142	284386	52.397	ng		98
38) 1-Methylnaphthalene	8.928	142	262690	49.392	ng		99
40) 1,2,4,5-Tetrachloroben...	8.992	216	128058	51.624	ng		98
41) Hexachlorocyclopentadiene	8.975	237	80577	119.003	ng		97
43) 2,4,6-Trichlorophenol	9.116	196	75410	49.860	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139039.D
Acq On : 15 Aug 2024 23:47
Operator : RC/JU
Sample : P3573-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 16 00:49:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	81034	49.010	ng		97
46) 1,1'-Biphenyl	9.292	154	358638	51.280	ng		99
47) 2-Chloronaphthalene	9.316	162	262748	50.515	ng		99
48) 2-Nitroaniline	9.422	65	98957	56.119	ng		94
49) Acenaphthylene	9.733	152	404292	54.803	ng		99
50) Dimethylphthalate	9.592	163	317510	55.608	ng		100
51) 2,6-Dinitrotoluene	9.663	165	68933	53.494	ng	#	84
52) Acenaphthene	9.904	154	259051	52.238	ng		99
53) 3-Nitroaniline	9.839	138	50642	38.016	ng		96
54) 2,4-Dinitrophenol	9.957	184	56124	94.615	ng	#	84
55) Dibenzofuran	10.075	168	374298	53.469	ng		97
56) 4-Nitrophenol	10.022	139	61786	77.129	ng		83
57) 2,4-Dinitrotoluene	10.075	165	91302	55.535	ng	#	78
58) Fluorene	10.422	166	300013	53.818	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	60859	48.145	ng		93
60) Diethylphthalate	10.292	149	308006	56.892	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	145982	53.246	ng		97
62) 4-Nitroaniline	10.457	138	65191m	51.496	ng		
63) Azobenzene	10.569	77	323287	53.840	ng		96
65) 4,6-Dinitro-2-methylph...	10.486	198	43991	50.322	ng		93
66) n-Nitrosodiphenylamine	10.528	169	255508	57.047	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	82017	52.867	ng		97
68) Hexachlorobenzene	10.969	284	85108	53.132	ng		97
69) Atrazine	11.057	200	83094	71.907	ng		99
70) Pentachlorophenol	11.175	266	50733	70.267	ng		99
71) Phenanthrene	11.380	178	406658	55.115	ng		100
72) Anthracene	11.433	178	407318	56.038	ng		99
73) Carbazole	11.592	167	323331	51.560	ng		98
74) Di-n-butylphthalate	11.910	149	437421	62.049	ng		99
75) Fluoranthene	12.569	202	339723	49.320	ng		98
77) Benzidine	12.698	184	107255	61.359	ng		100
78) Pyrene	12.798	202	335144	48.706	ng		100
80) Butylbenzylphthalate	13.410	149	133815	60.730	ng		97
81) Benzo(a)anthracene	13.986	228	279699	55.578	ng		100
82) 3,3'-Dichlorobenzidine	13.951	252	70169	54.485	ng		99
83) Chrysene	14.027	228	231355	50.955	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	177738	55.085	ng		100
85) Di-n-octyl phthalate	14.568	149	302017	50.591	ng		99
87) Indeno(1,2,3-cd)pyrene	16.939	276	195298	35.847	ng		96
88) Benzo(b)fluoranthene	15.039	252	265847	56.411	ng		97
89) Benzo(k)fluoranthene	15.063	252	241905	59.286	ng		98
90) Benzo(a)pyrene	15.404	252	233141	58.814	ng		98
91) Dibenzo(a,h)anthracene	16.945	278	158502	35.442	ng		98
92) Benzo(g,h,i)perylene	17.380	276	138769	29.902	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139039.D
Acq On : 15 Aug 2024 23:47
Operator : RC/JU
Sample : P3573-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 16 00:49:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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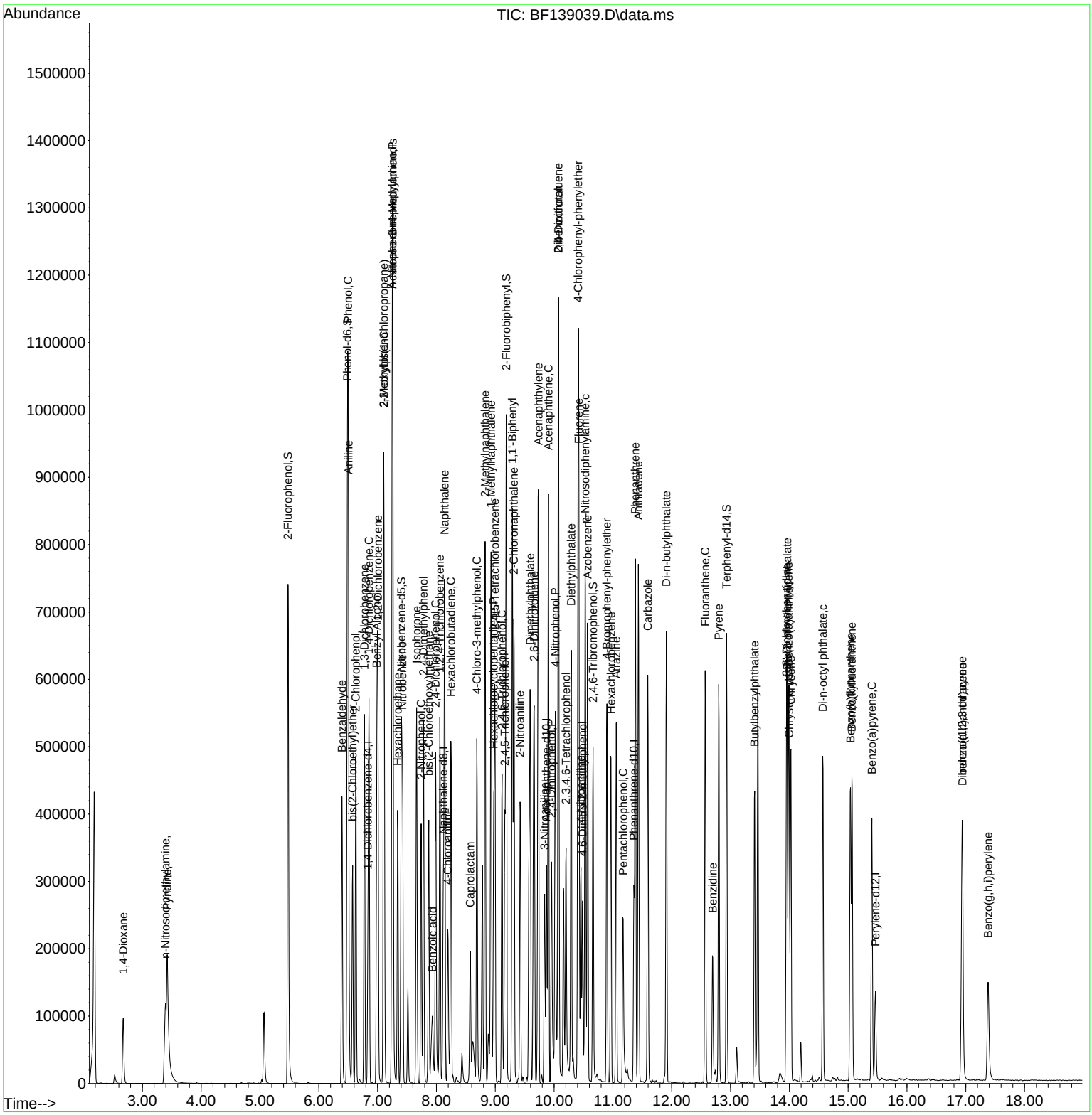
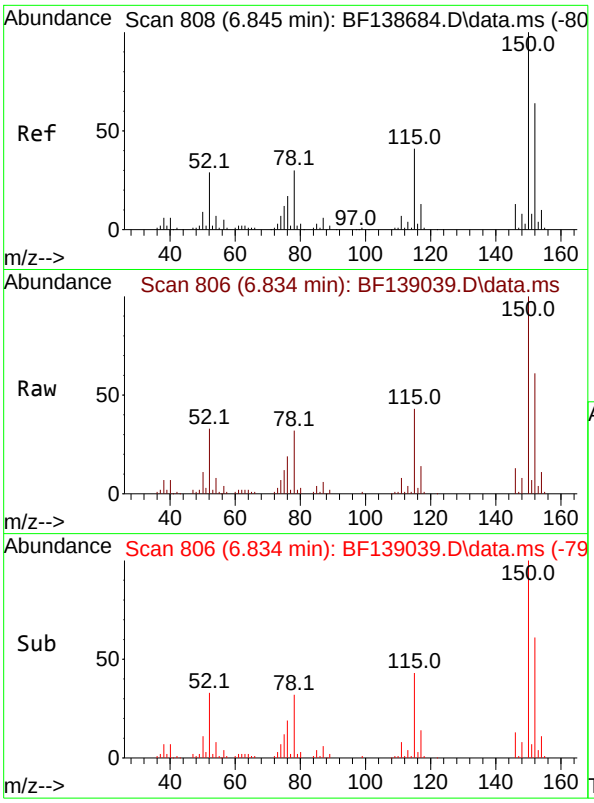
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

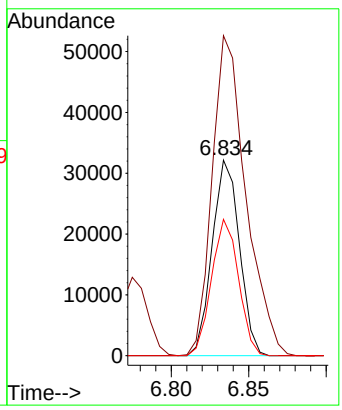




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:152 Resp: 3929

Ion	Ratio	Lower	Upper
152	100		
150	163.6	126.0	189.0
115	69.7	51.7	77.5



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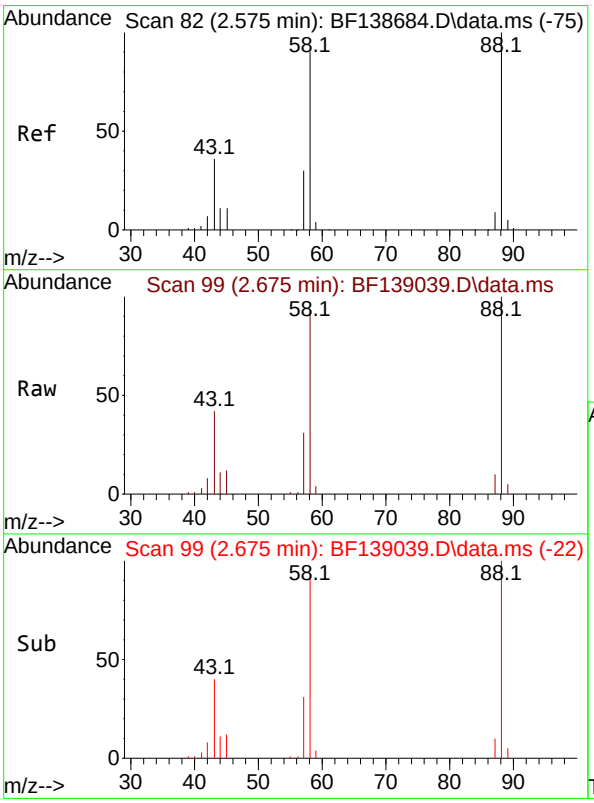
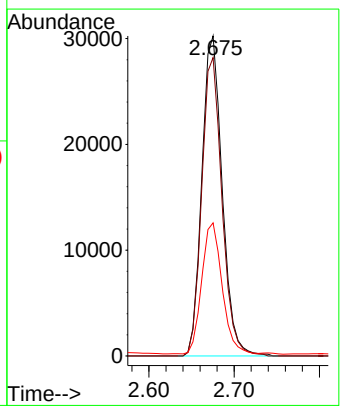
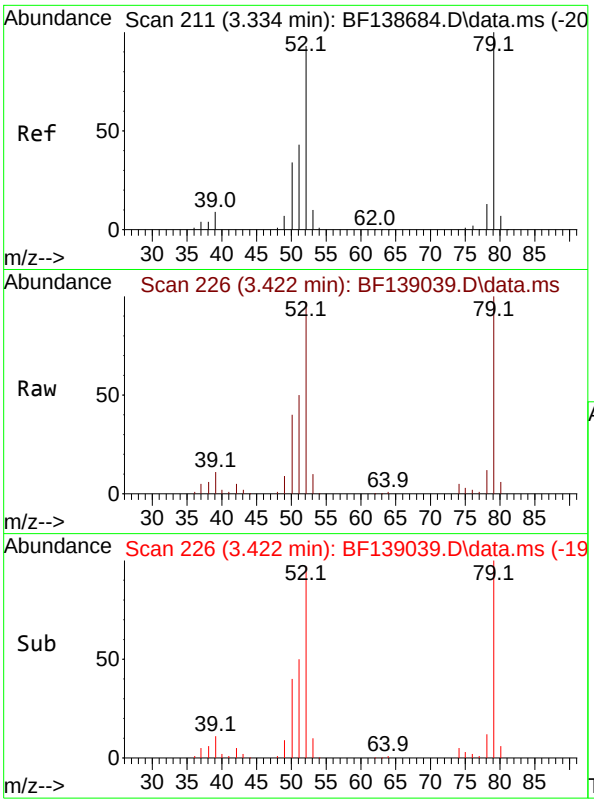


#2
1,4-Dioxane
Concen: 45.080 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.100 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 88 Resp: 50239

Ion	Ratio	Lower	Upper
88	100		
58	92.6	71.6	107.4
43	40.8	28.7	43.1

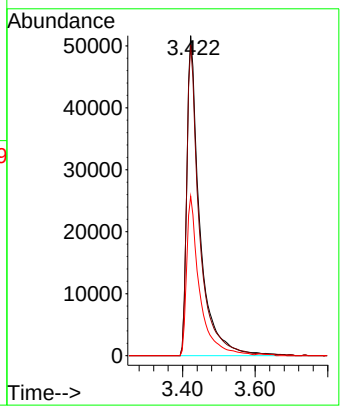




#3
Pyridine
Concen: 47.553 ng
RT: 3.422 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 79 Resp: 12837

Ion	Ratio	Lower	Upper
79	100		
52	97.2	74.7	112.1
51	49.8	34.6	51.8



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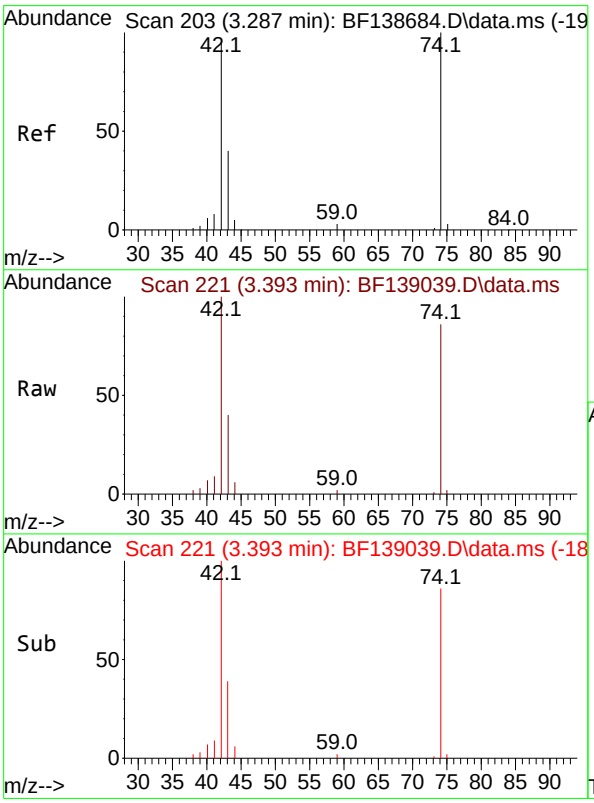
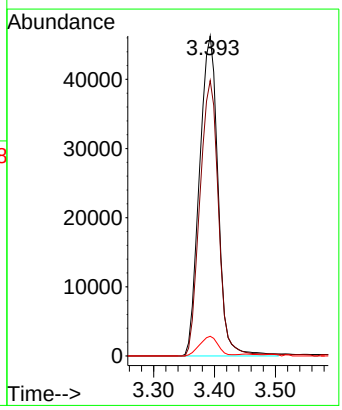
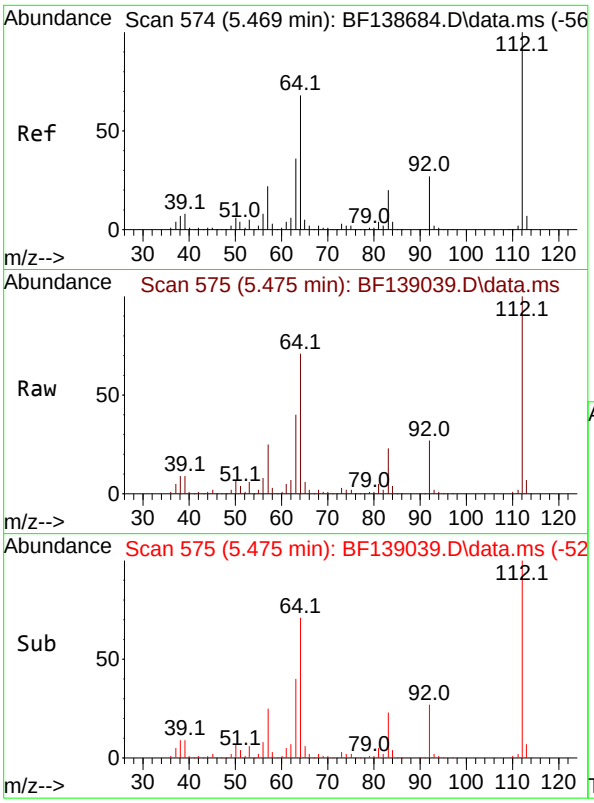


#4
n-Nitrosodimethylamine
Concen: 61.176 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.106 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 42 Resp: 98363

Ion	Ratio	Lower	Upper
42	100		
74	86.1	84.2	126.4
44	6.1	4.9	7.3

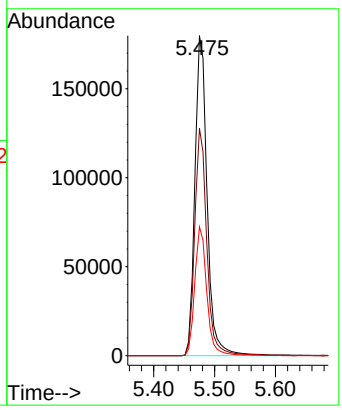




#5
2-Fluorophenol
Concen: 98.744 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:112 Resp: 25135

Ion	Ratio	Lower	Upper
112	100		
64	71.0	54.2	81.4
63	40.2	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
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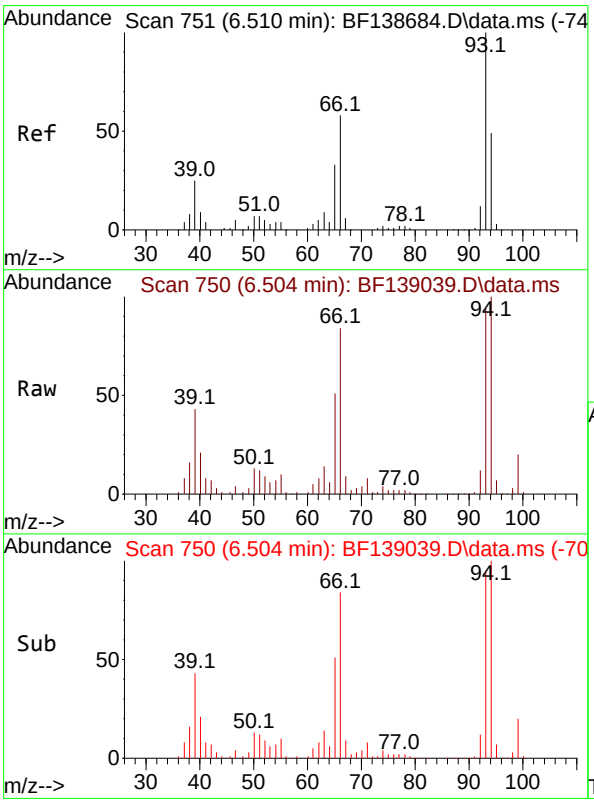
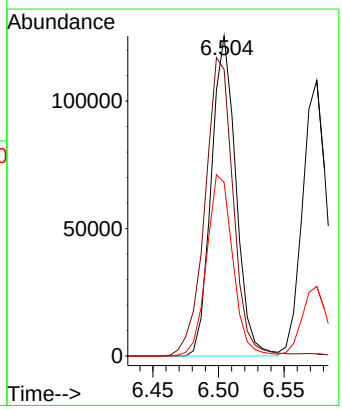
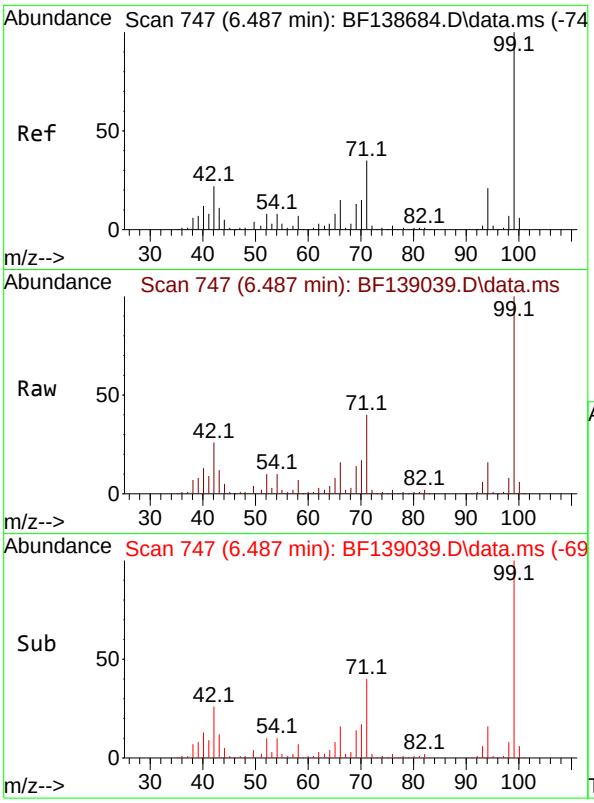


#6
Aniline
Concen: 53.903 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 93 Resp: 164290

Ion	Ratio	Lower	Upper
93	100		
66	89.6	46.9	70.3#
65	54.3	26.5	39.7#

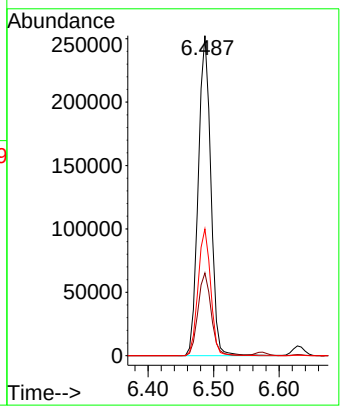




#7
Phenol-d6
Concen: 98.507 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 99 Resp: 33666

Ion	Ratio	Lower	Upper
99	100		
42	25.8	17.4	26.0
71	39.6	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
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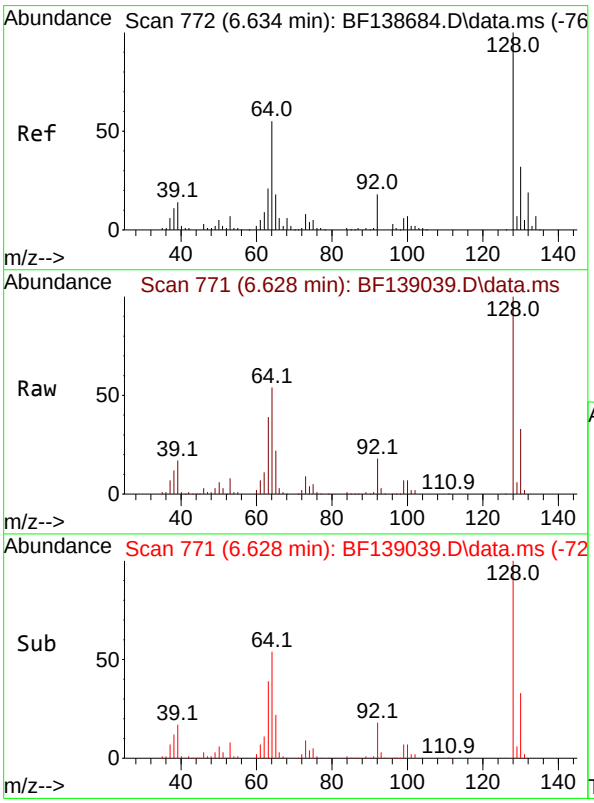
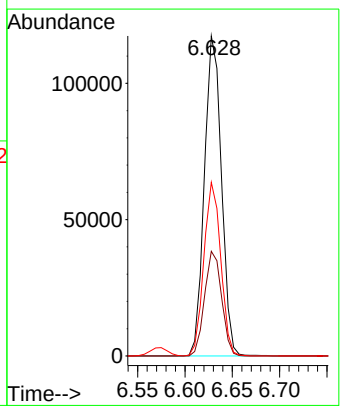
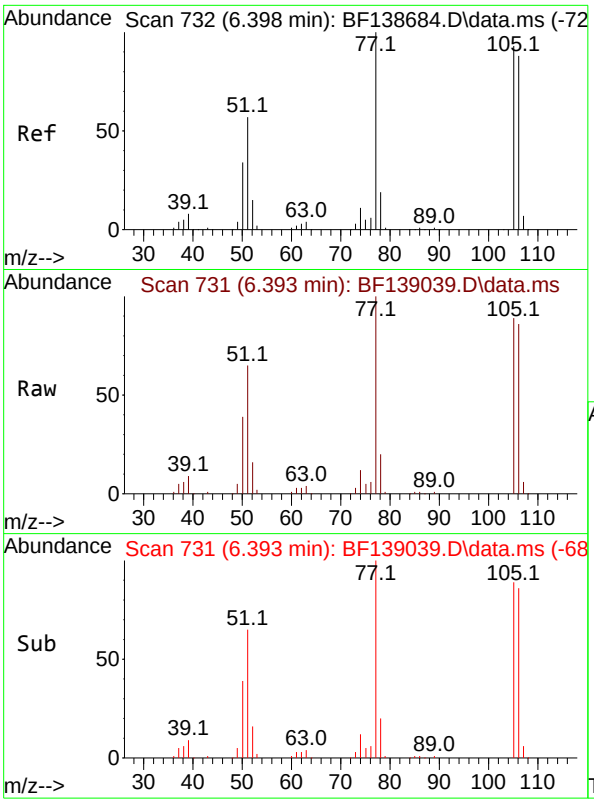


#8
2-Chlorophenol
Concen: 54.856 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:128 Resp: 146913

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.0	52.0
64	54.2	36.3	76.3

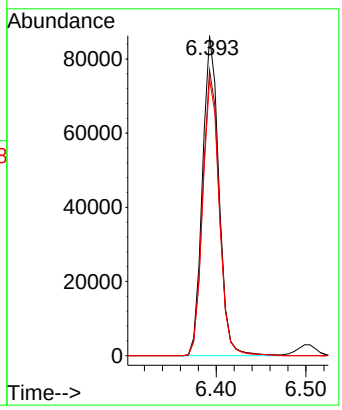




#9
Benzaldehyde
Concen: 53.598 ng
RT: 6.393 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 77 Resp: 10980

Ion	Ratio	Lower	Upper
77	100		
105	89.2	72.9	112.9
106	86.5	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
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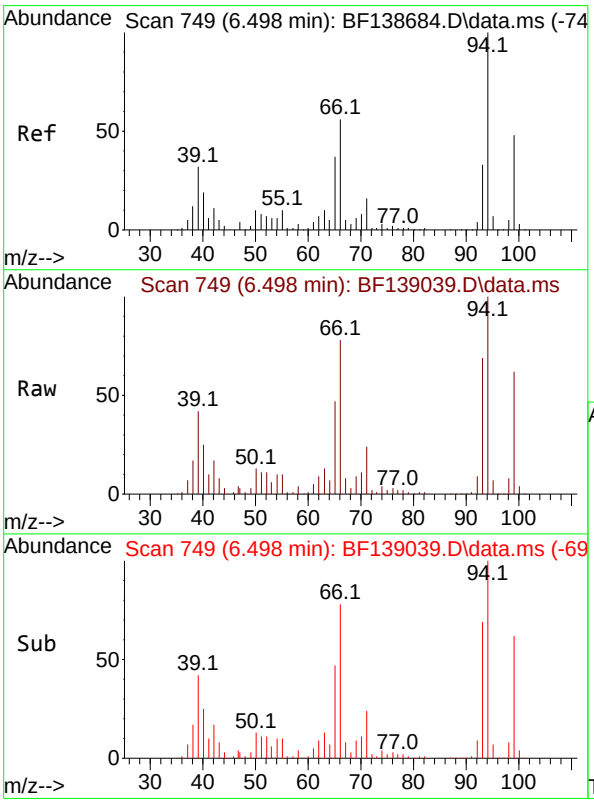
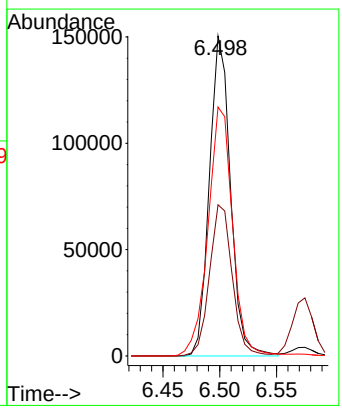
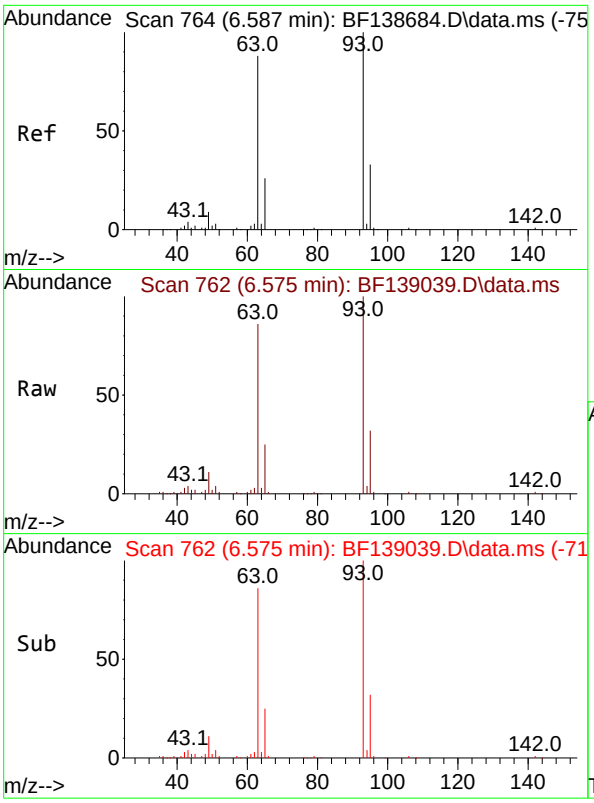


#10
Phenol
Concen: 53.984 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 94 Resp: 194252

Ion	Ratio	Lower	Upper
94	100		
65	47.3	16.9	56.9
66	77.8	36.5	76.5#

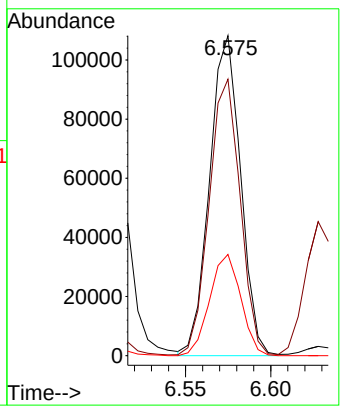




#11
bis(2-Chloroethyl)ether
Concen: 49.512 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 93 Resp: 13710

Ion	Ratio	Lower	Upper
93	100		
63	86.4	65.3	105.3
95	31.7	12.4	52.4



Instrument :
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ClientSampleId :
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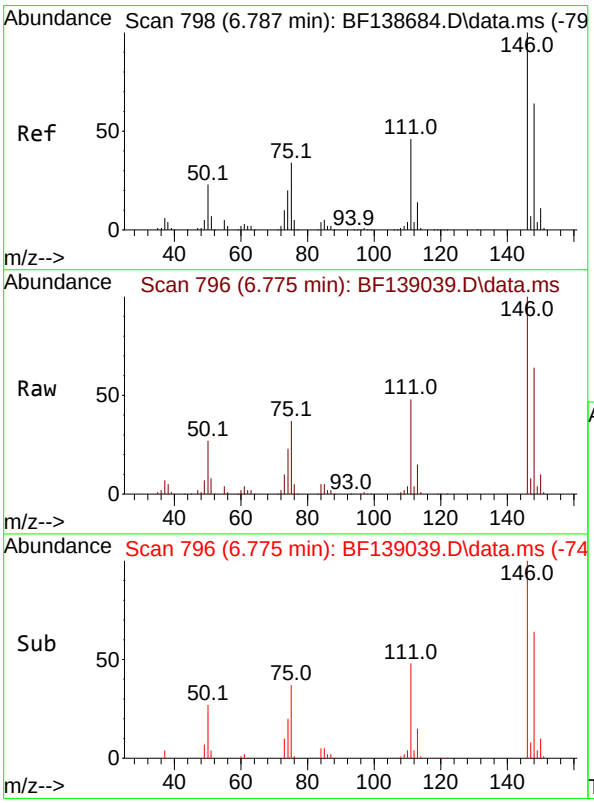
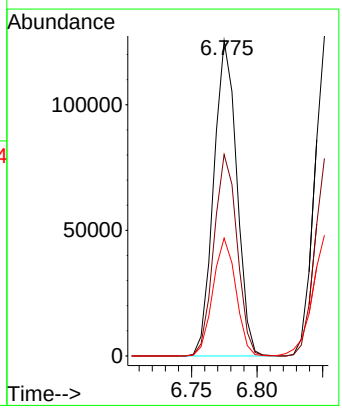
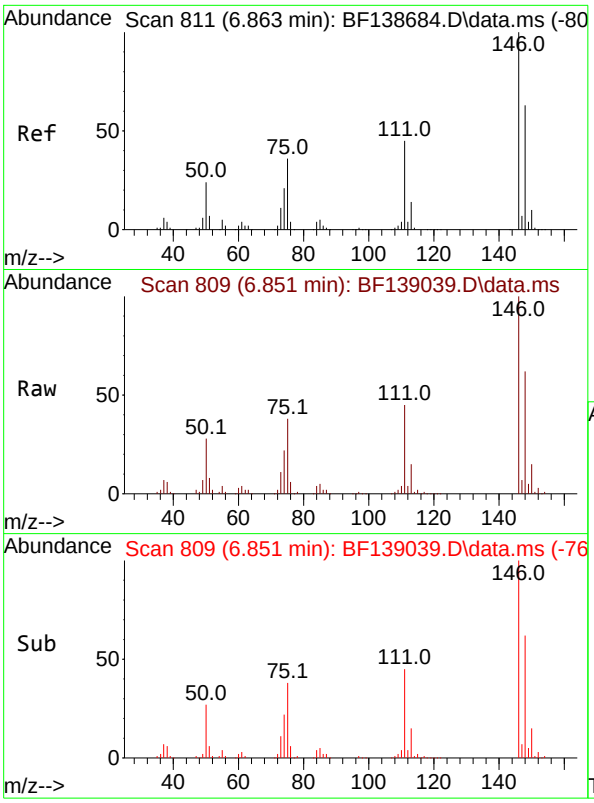


#12
1,3-Dichlorobenzene
Concen: 51.129 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:146 Resp: 153279

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
75	37.3	27.4	41.2

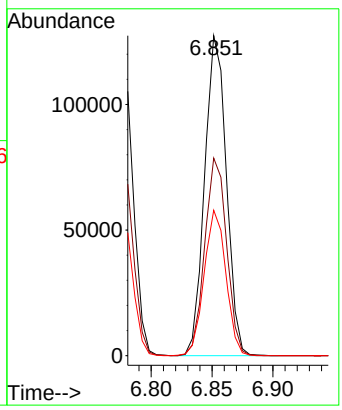




#13
1,4-Dichlorobenzene
Concen: 52.414 ng
RT: 6.851 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:146 Resp: 15857

Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.2	75.2
111	45.5	35.9	53.9



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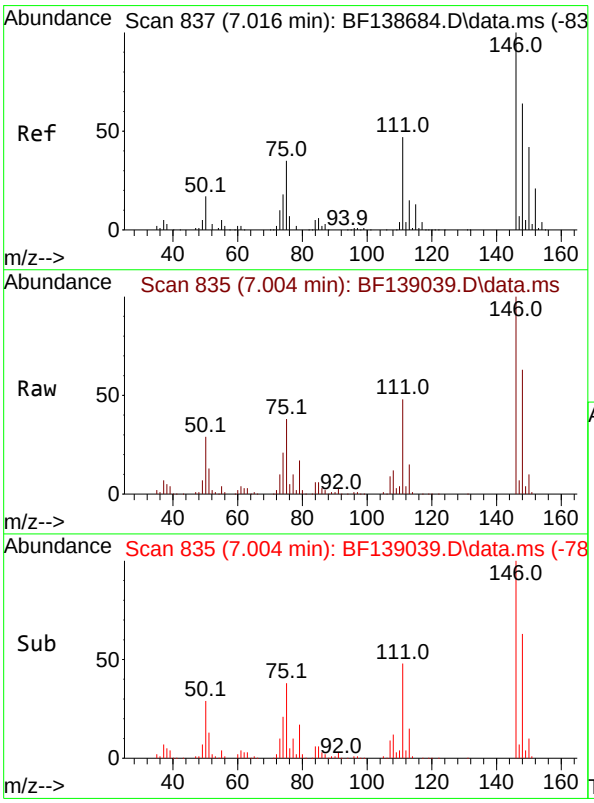
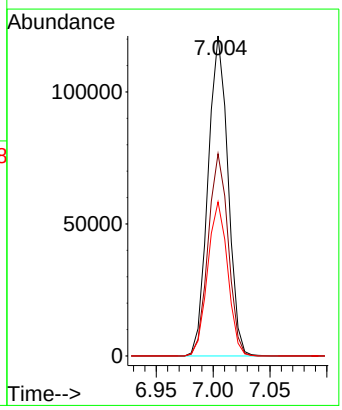
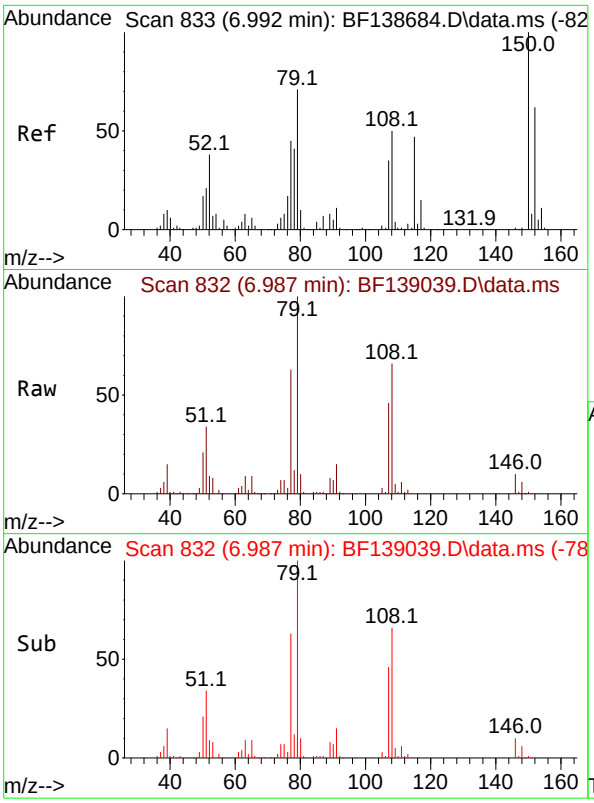


#14
1,2-Dichlorobenzene
Concen: 52.331 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:146 Resp: 147964

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	48.1	37.4	56.2





#15
Benzyl Alcohol
Concen: 59.322 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 79 Resp: 14612

Ion	Ratio	Lower	Upper
79	100		
108	66.3	56.6	85.0
77	63.4	50.3	75.5

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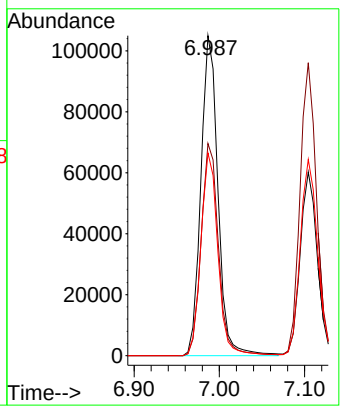
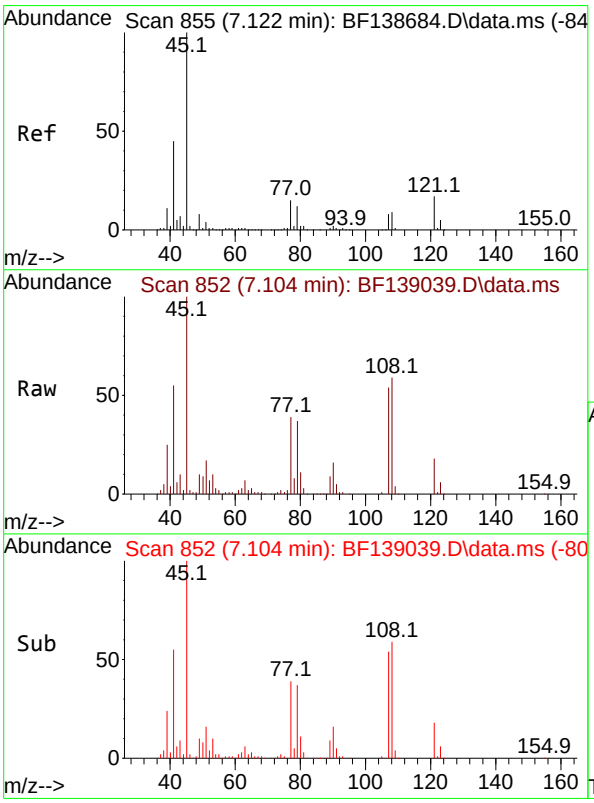
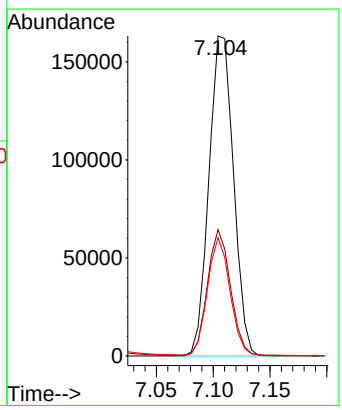


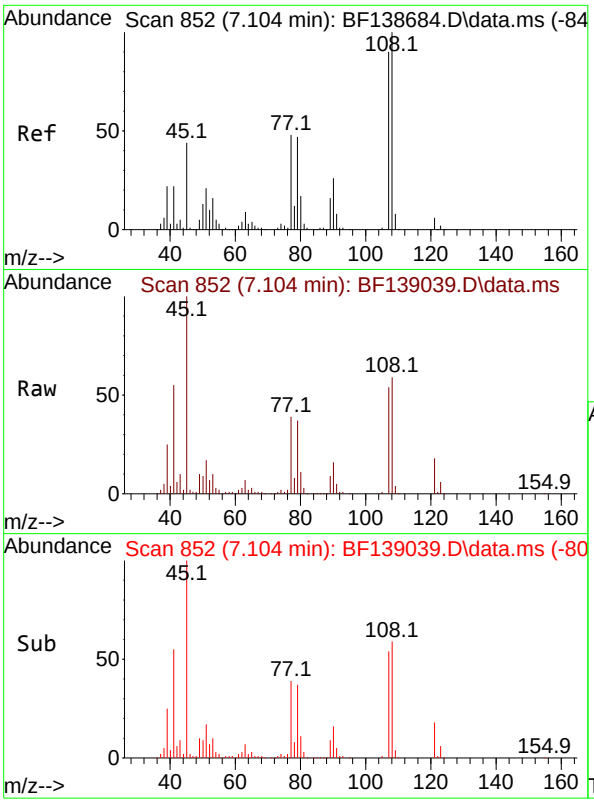


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.488 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 45 Resp: 245364

Ion	Ratio	Lower	Upper
45	100		
77	39.4	0.0	34.9#
79	36.9	0.0	32.2#

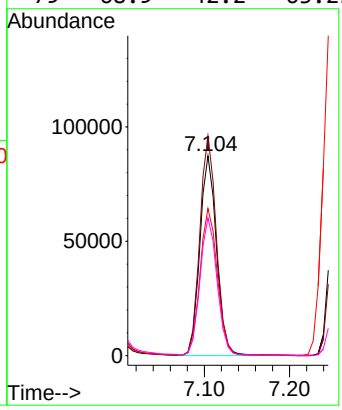




#17
2-Methylphenol
Concen: 53.202 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:107 Resp: 11765

Ion	Ratio	Lower	Upper
107	100		
108	110.0	89.2	133.8
77	73.7	43.0	64.4#
79	68.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
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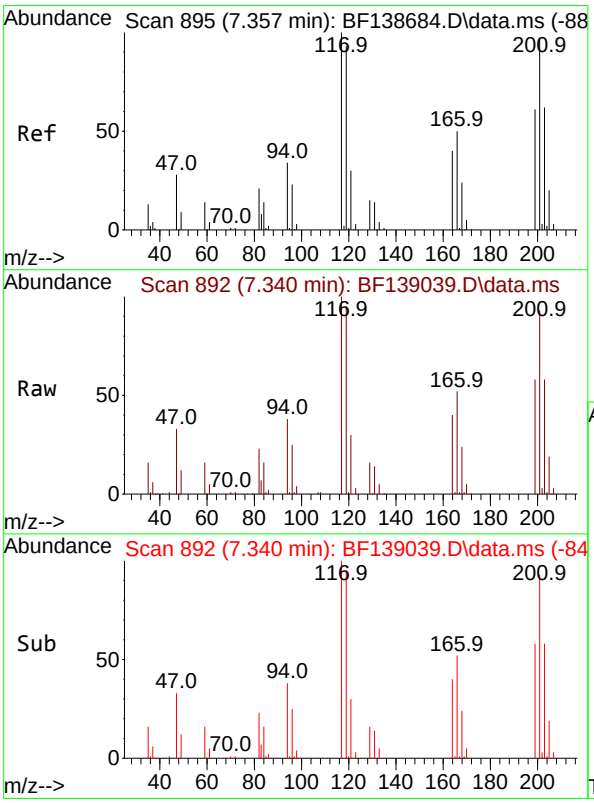
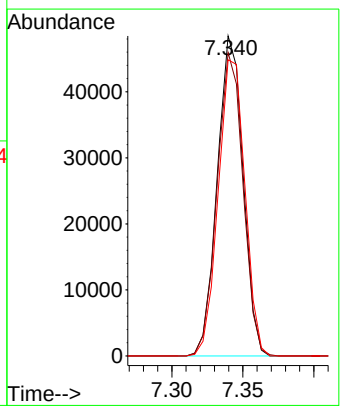
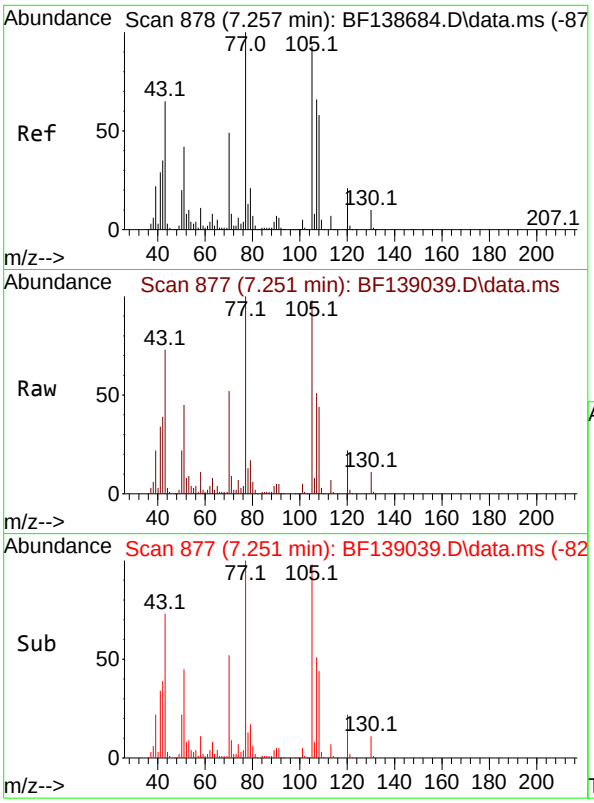


#18
Hexachloroethane
Concen: 53.776 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:117 Resp: 61242

Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.6	111.8
201	92.6	77.2	115.8

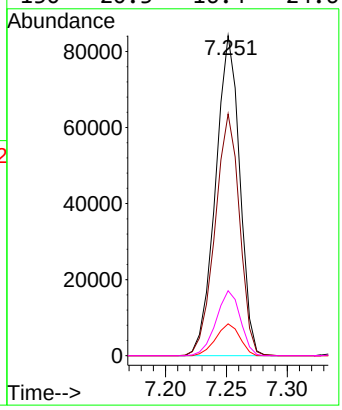




#19
n-Nitroso-di-n-propylamine
Concen: 56.364 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 70 Resp: 11634

Ion	Ratio	Lower	Upper
70	100		
42	75.6	57.4	86.0
101	9.9	7.5	11.3
130	20.3	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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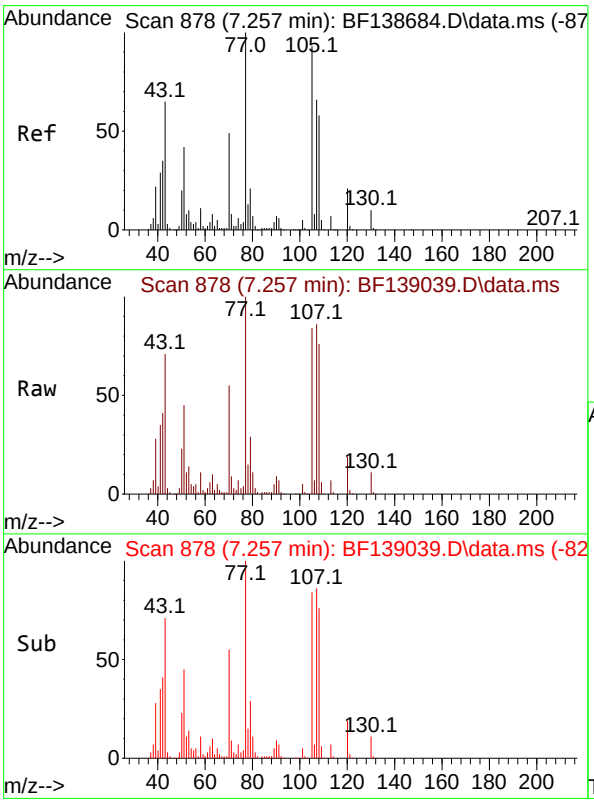
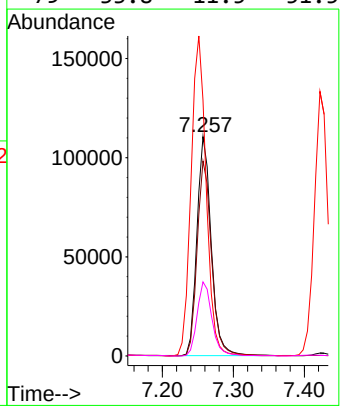
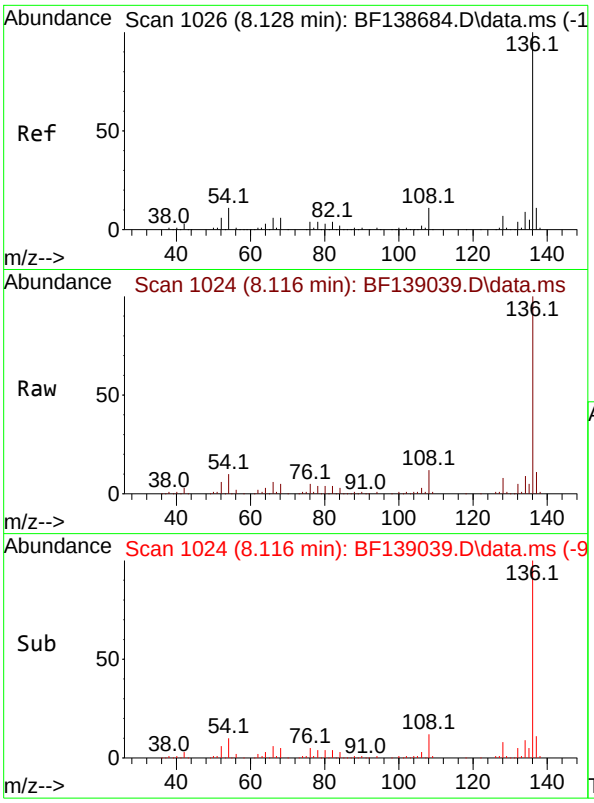


#20
3+4-Methylphenols
Concen: 54.496 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:107 Resp: 154629

Ion	Ratio	Lower	Upper
107	100		
108	88.8	68.2	108.2
77	116.5	132.1	172.1#
79	33.8	11.5	51.5

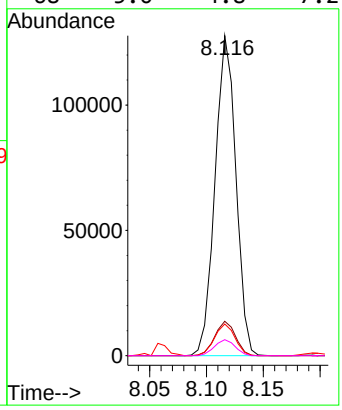




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:136 Resp: 16326

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.9	8.6	12.8
68	5.0	4.8	7.2



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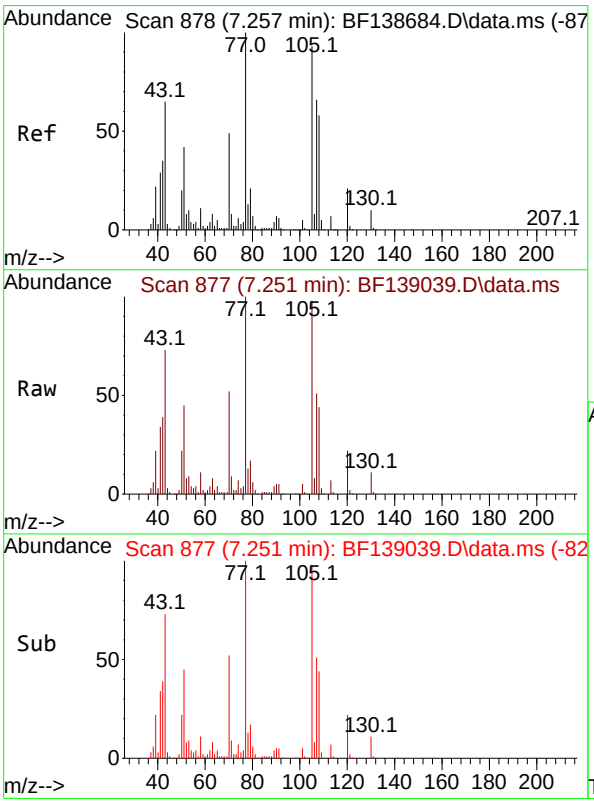
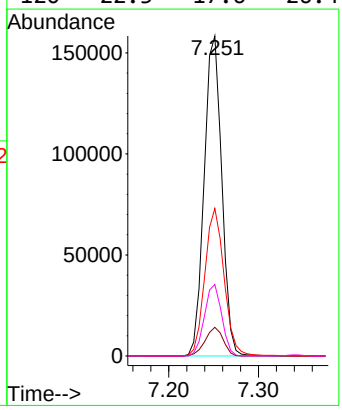
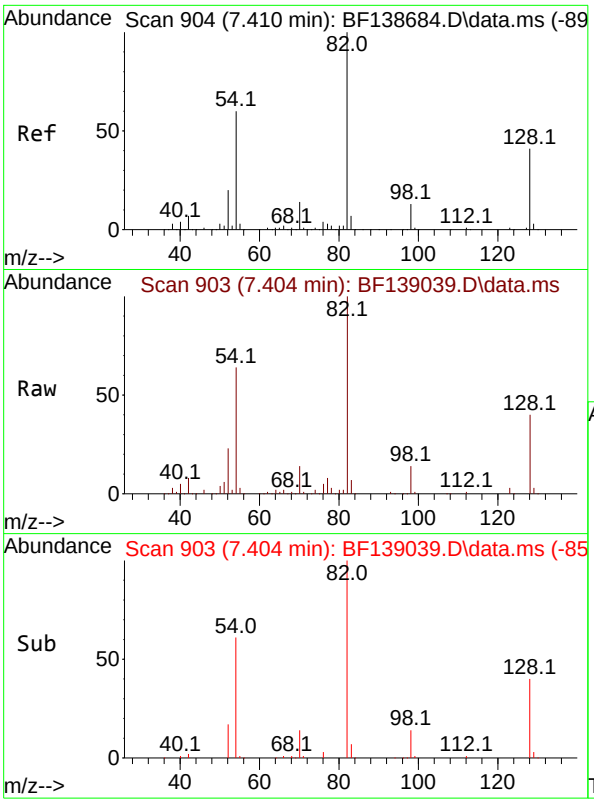


#22
Acetophenone
Concen: 53.994 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:105 Resp: 215846

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	46.1	35.9	53.9
120	22.3	17.6	26.4





#23
Nitrobenzene-d5
Concen: 65.366 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 82 Resp: 21828

Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.8	49.2
54	63.5	48.3	72.5

Instrument :
BNA_F
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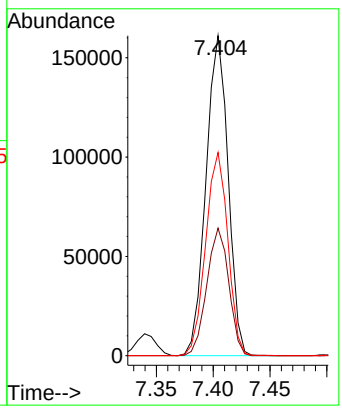
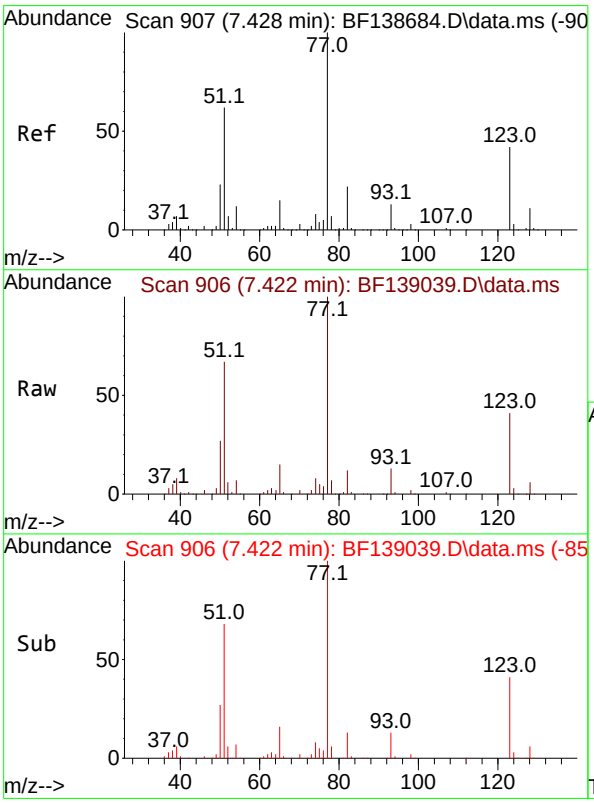
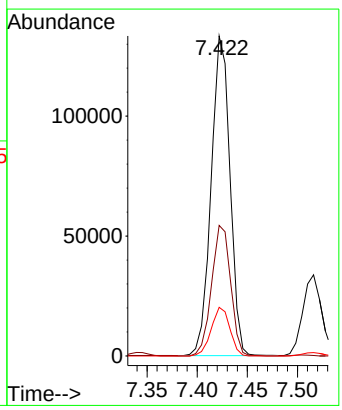


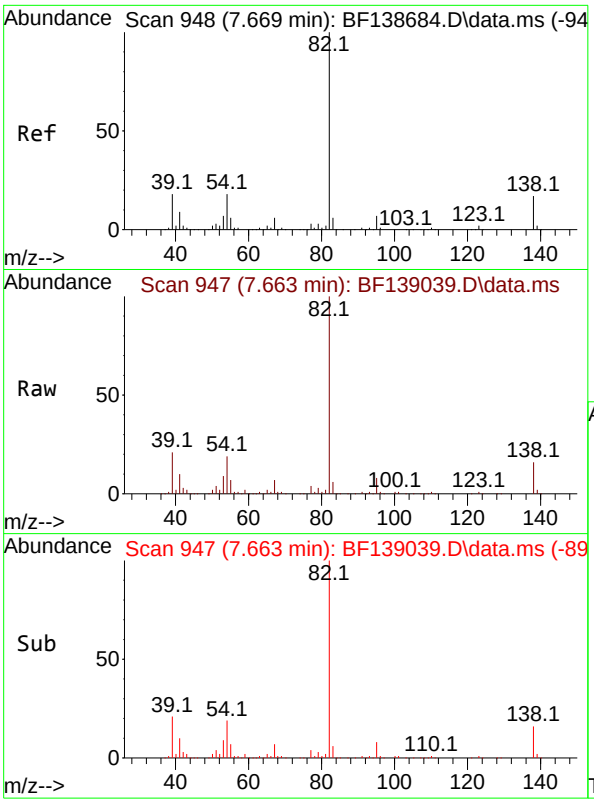


#24
Nitrobenzene
Concen: 51.195 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 77 Resp: 173965

Ion	Ratio	Lower	Upper
77	100		
123	40.8	33.3	49.9
65	15.2	11.9	17.9

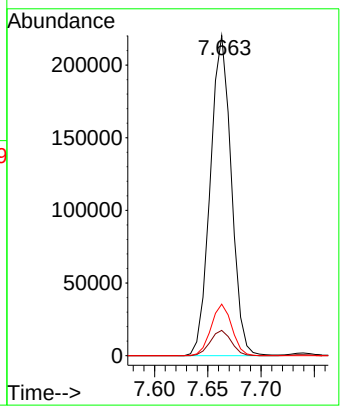




#25
Isophorone
Concen: 52.994 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 82 Resp: 30217

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.7	8.5
138	16.1	13.7	20.5



Instrument :
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ClientSampleId :
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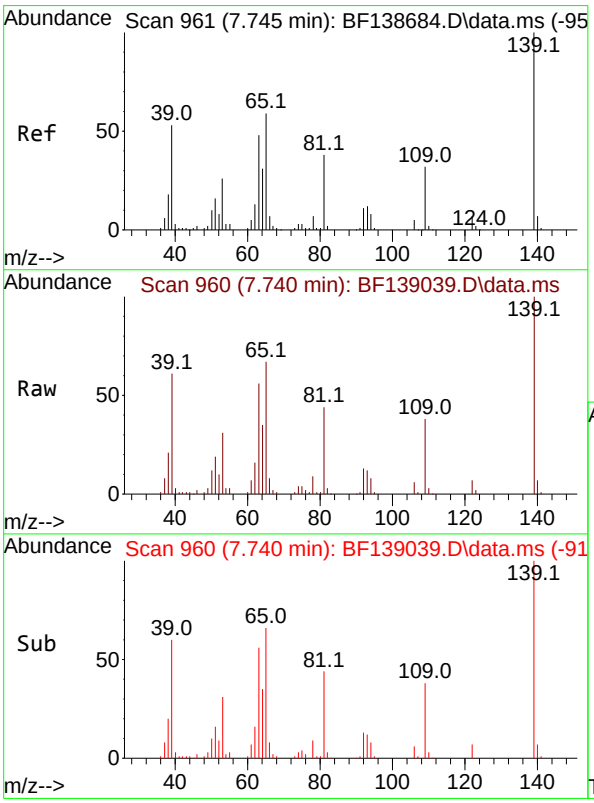
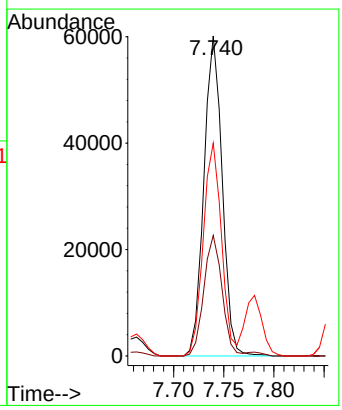
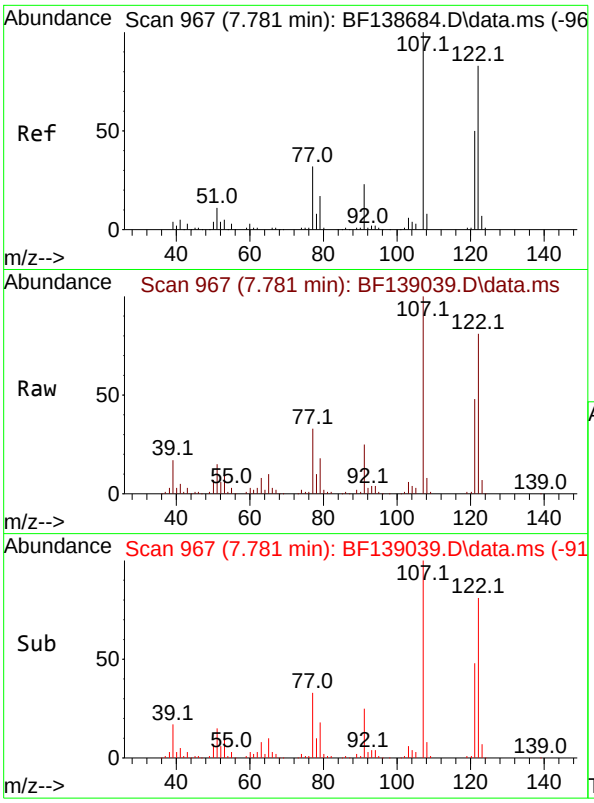


#26
2-Nitrophenol
Concen: 52.173 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:139 Resp: 76274

Ion	Ratio	Lower	Upper
139	100		
109	37.6	25.9	38.9
65	66.5	47.0	70.6

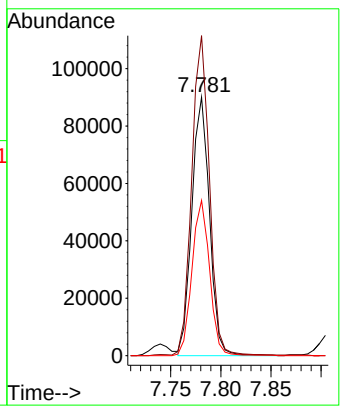




#27
2,4-Dimethylphenol
Concen: 63.189 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:122 Resp: 11052

Ion	Ratio	Lower	Upper
122	100		
107	123.8	95.0	142.6
121	60.0	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
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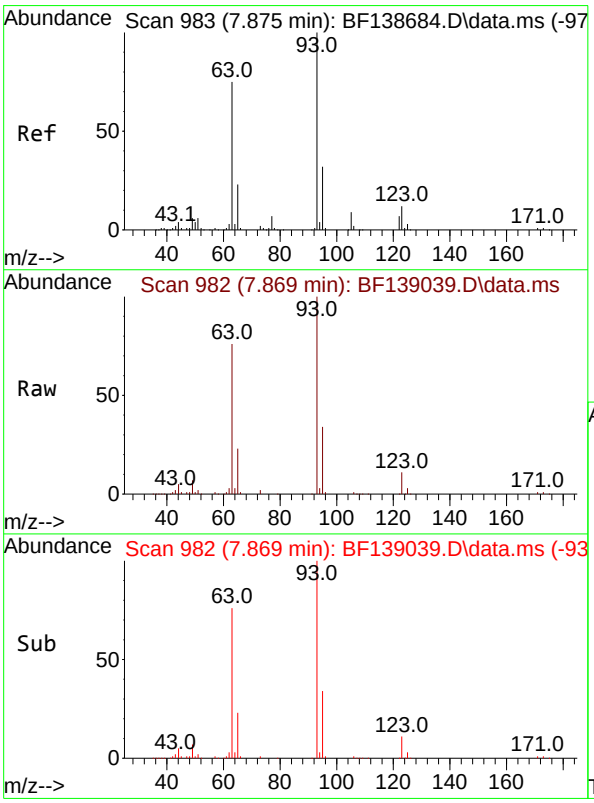
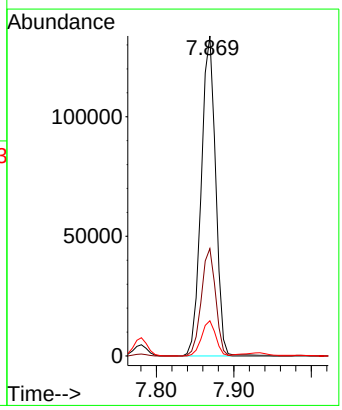
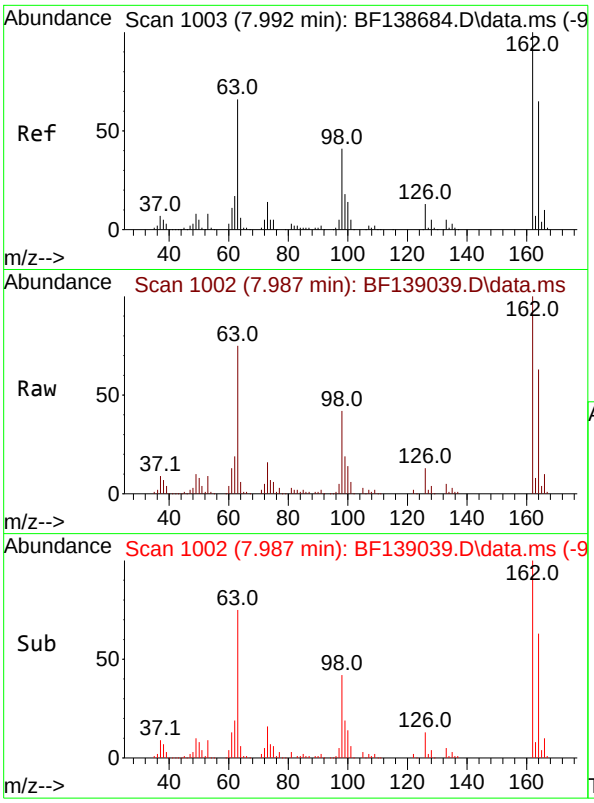


#28
bis(2-Chloroethoxy)methane
Concen: 49.658 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 93 Resp: 172434

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	11.0	9.4	14.0

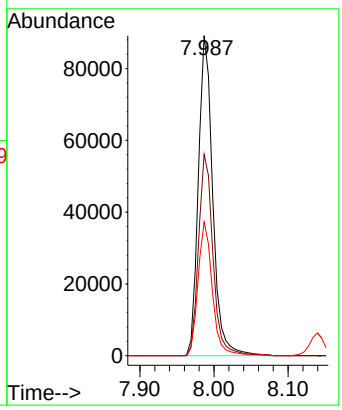




#29
2,4-Dichlorophenol
Concen: 53.650 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:162 Resp: 12058

Ion	Ratio	Lower	Upper
162	100		
164	62.9	44.7	84.7
98	41.8	20.8	60.8



Instrument :
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ClientSampleId :
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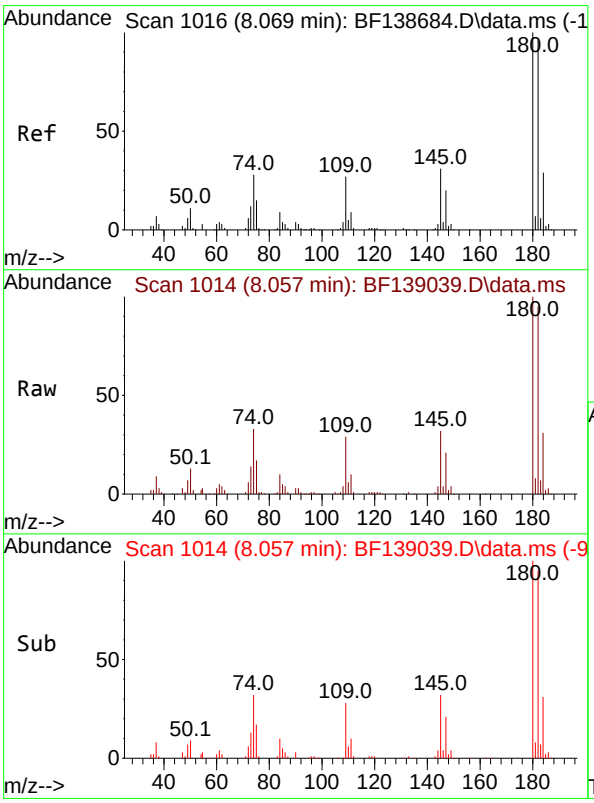
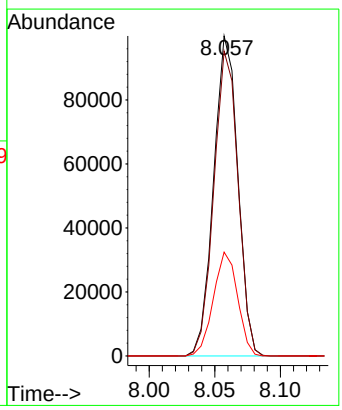
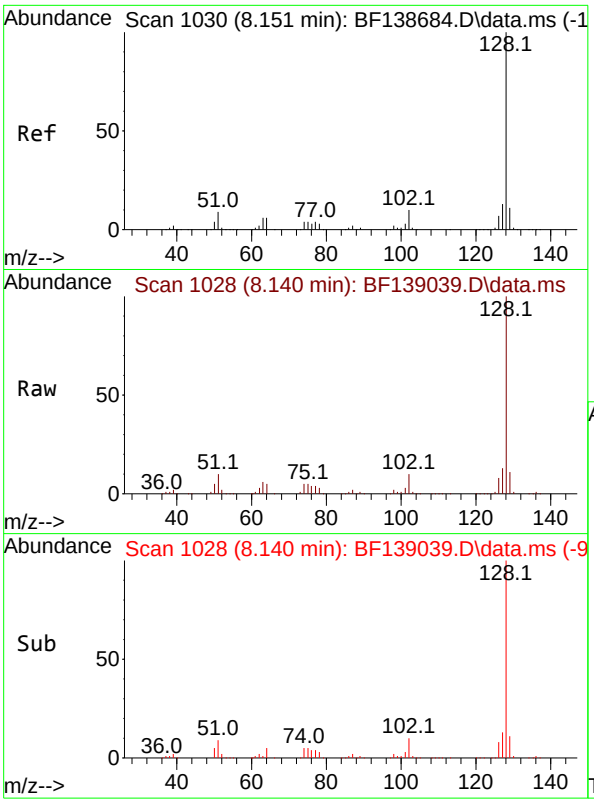


#30
1,2,4-Trichlorobenzene
Concen: 49.396 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:180 Resp: 128127

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
145	32.4	25.0	37.4





#31
Naphthalene
Concen: 51.315 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:128 Resp: 44099

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.3	10.6	16.0

Instrument :
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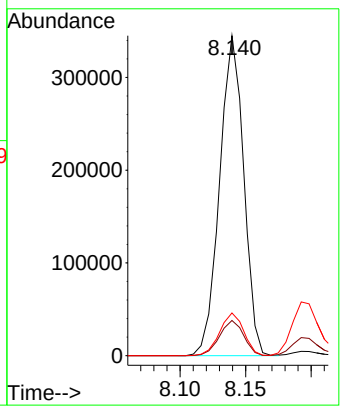
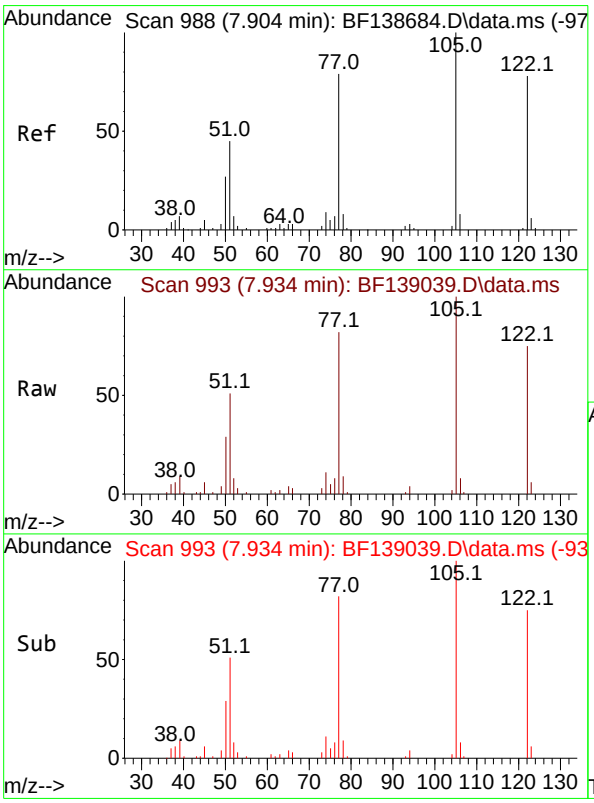
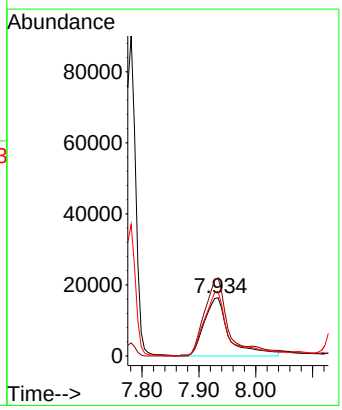


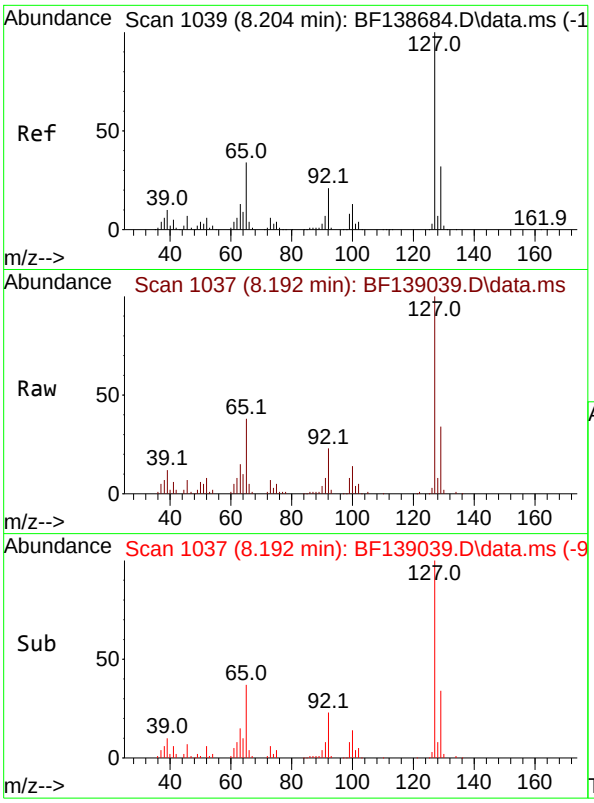


#32
Benzoic acid
Concen: 36.532 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:122 Resp: 50231

Ion	Ratio	Lower	Upper
122	100		
105	134.1	106.7	146.7
77	110.5	81.1	121.1

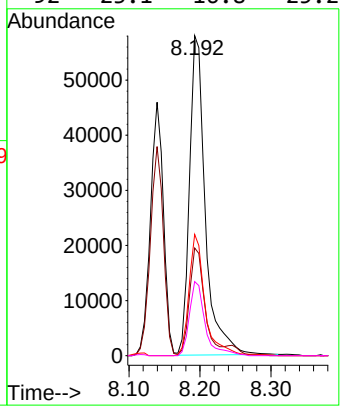




#33
4-Chloroaniline
Concen: 31.264 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:127 Resp: 9019

Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.9	38.9
65	37.9	27.6	41.4
92	23.1	16.8	25.2



Instrument :
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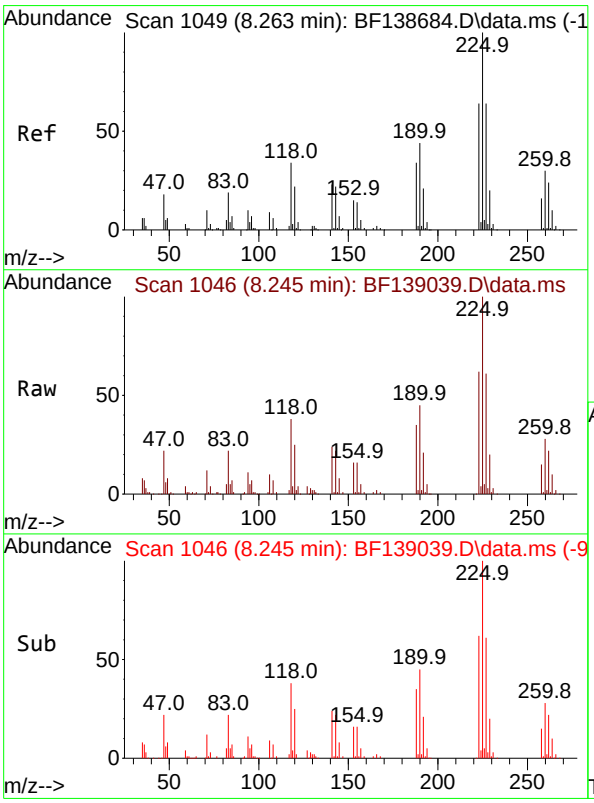
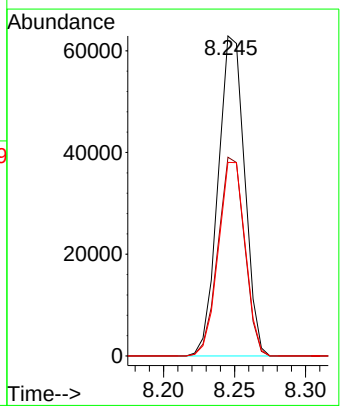
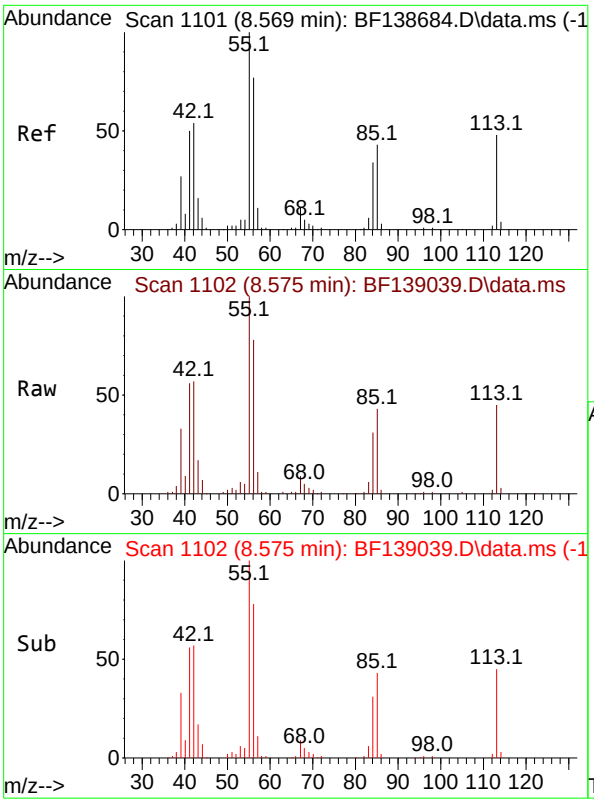


#34
Hexachlorobutadiene
Concen: 51.920 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.018 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:225 Resp: 81572

Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.2	76.8
227	60.5	51.1	76.7

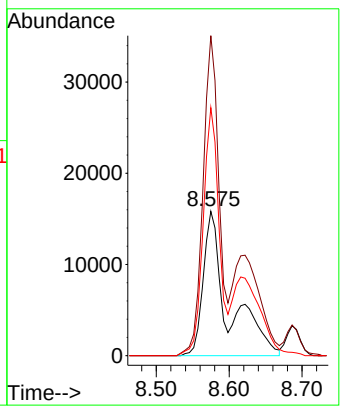




#35
Caprolactam
Concen: 56.571 ng m
RT: 8.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:113 Resp: 3794

Ion	Ratio	Lower	Upper
113	100		
55	221.7	186.7	226.7
56	171.8	138.9	178.9



Instrument :
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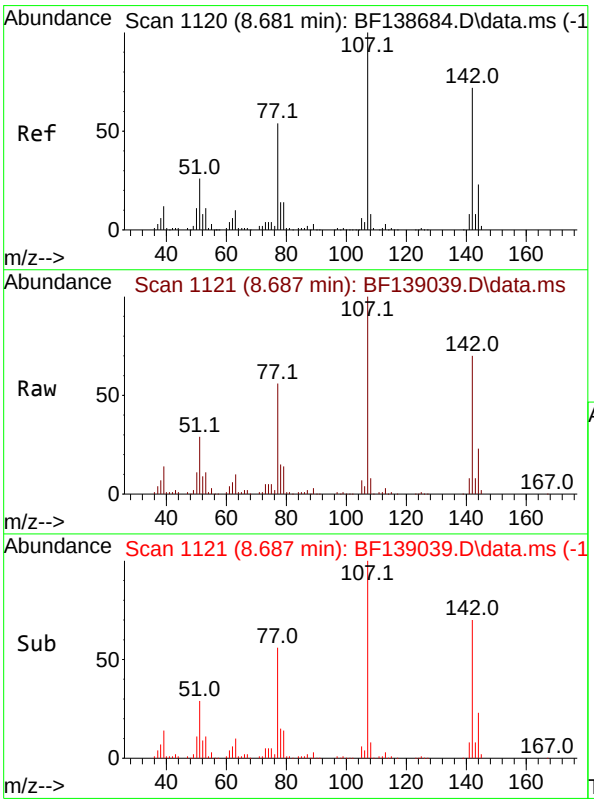
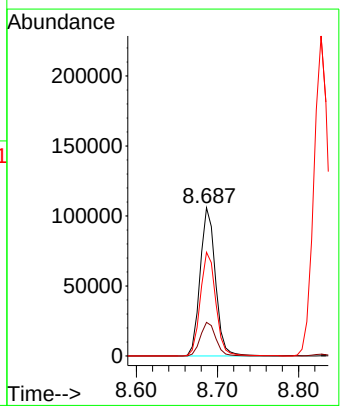
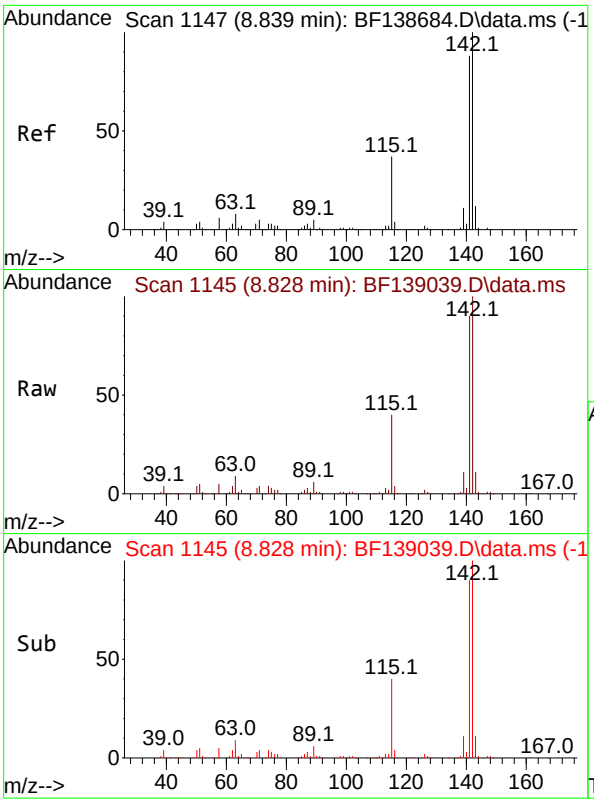


#36
4-Chloro-3-methylphenol
Concen: 54.031 ng
RT: 8.687 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:107 Resp: 138794

Ion	Ratio	Lower	Upper
107	100		
144	22.7	18.2	27.2
142	70.0	57.4	86.2





#37
2-Methylnaphthalene
Concen: 52.397 ng
RT: 8.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:142 Resp: 28438

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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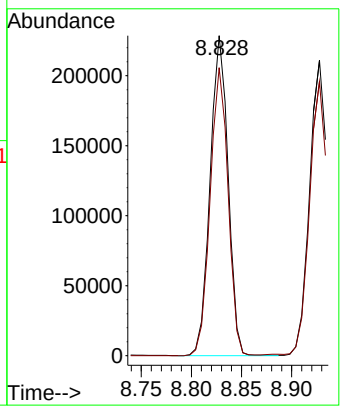
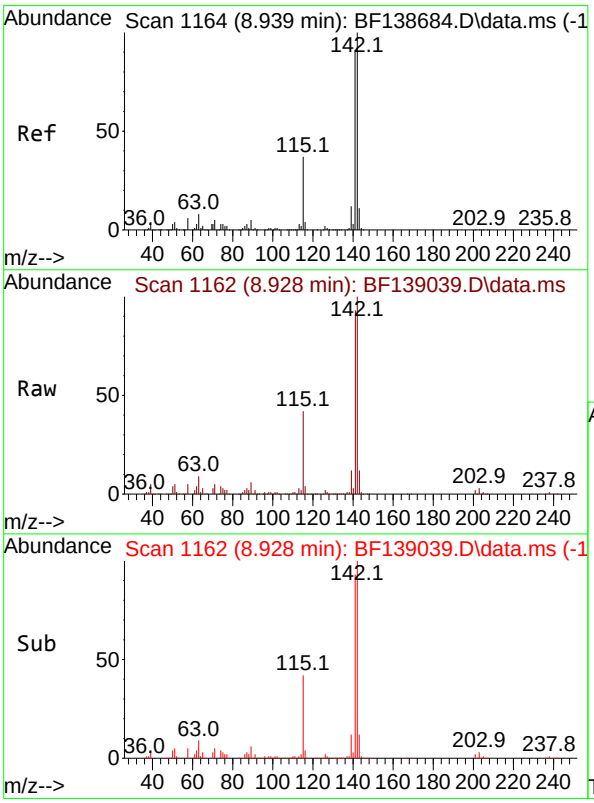
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

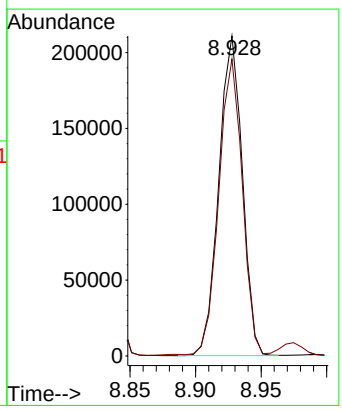


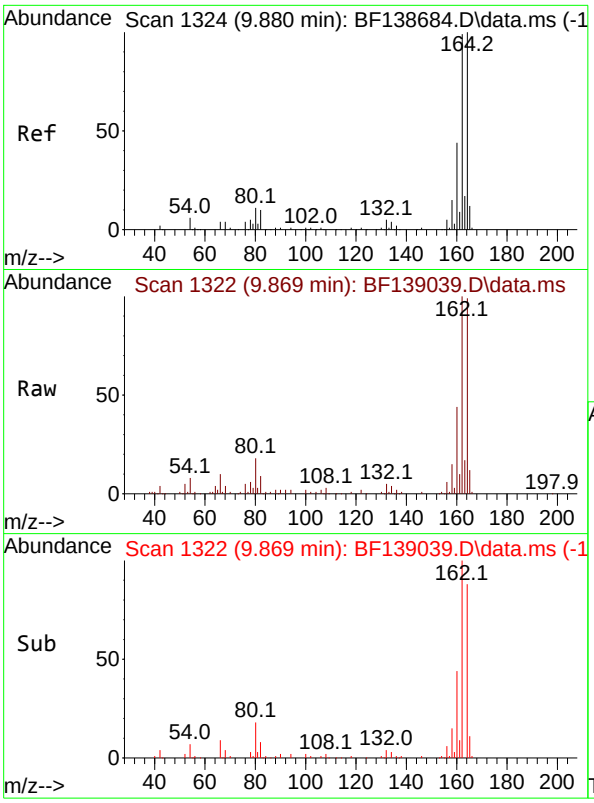


#38
1-Methylnaphthalene
Concen: 49.392 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:142 Resp: 262690

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.1	109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:164 Resp: 8929

Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.4	119.0
160	44.5	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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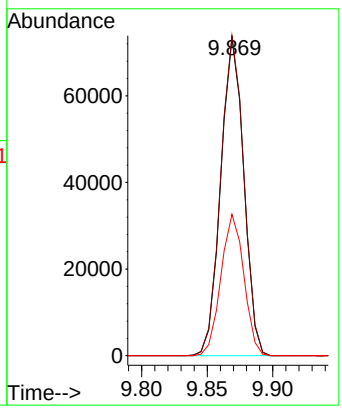
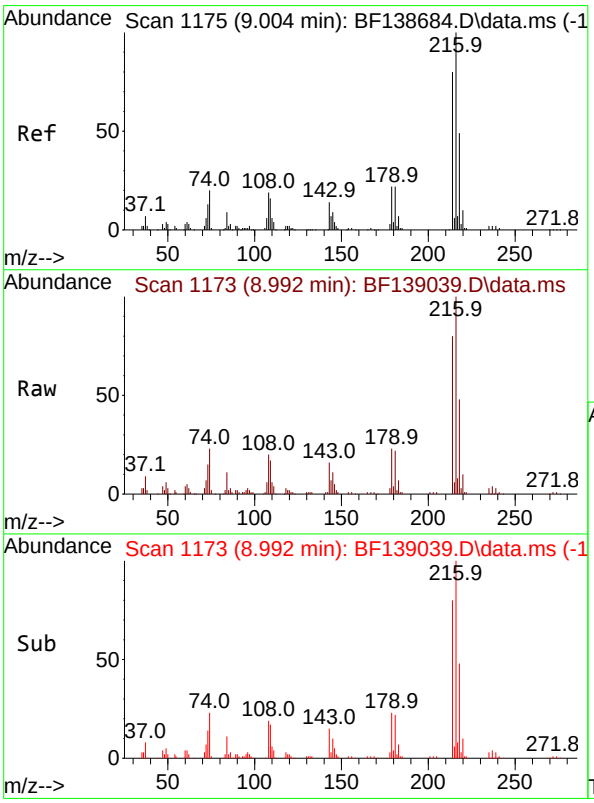
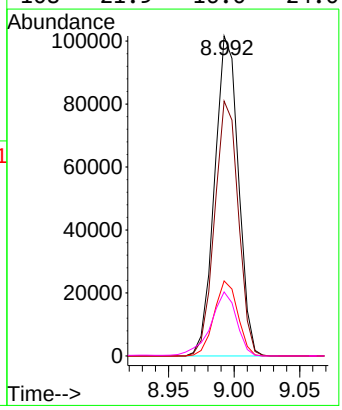


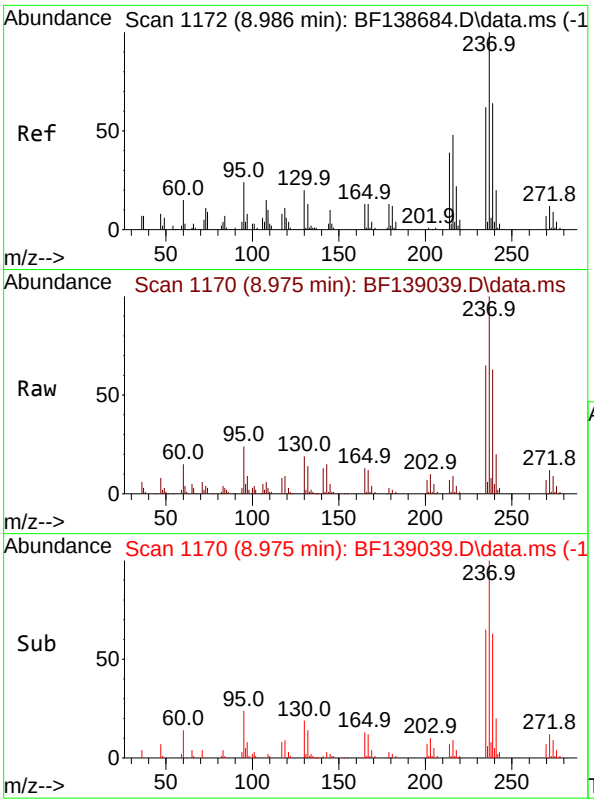


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.624 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:216 Resp: 128058

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.9	95.9
179	23.3	17.8	26.6
108	21.9	16.0	24.0

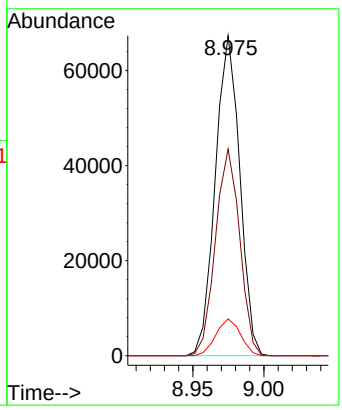




#41
Hexachlorocyclopentadiene
Concen: 119.003 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:237 Resp: 8057

Ion	Ratio	Lower	Upper
237	100		
235	64.5	41.8	81.8
272	11.5	0.0	32.2



Instrument :
BNA_F
ClientSampleId :
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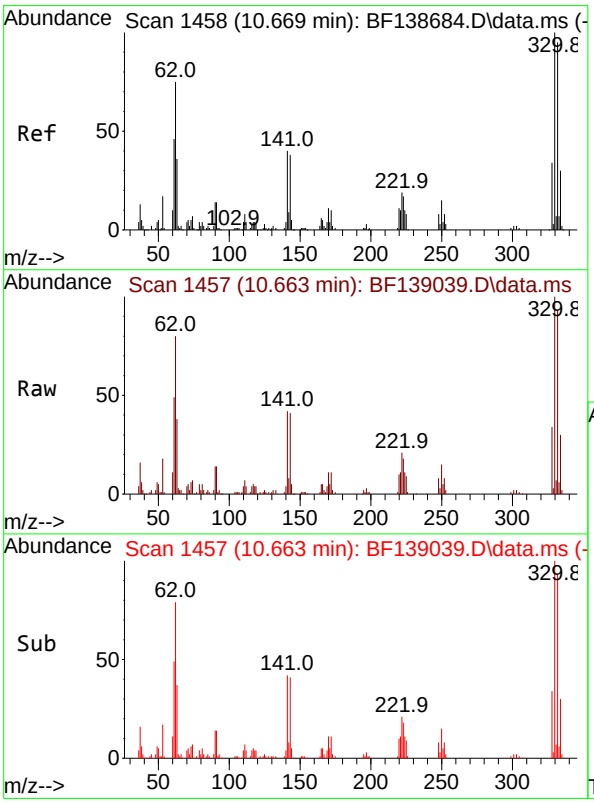
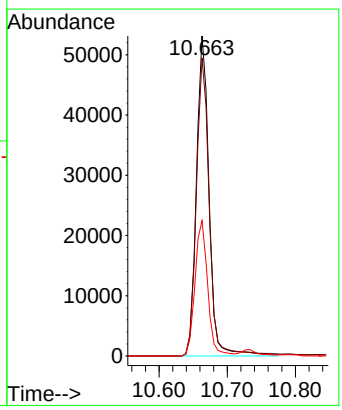
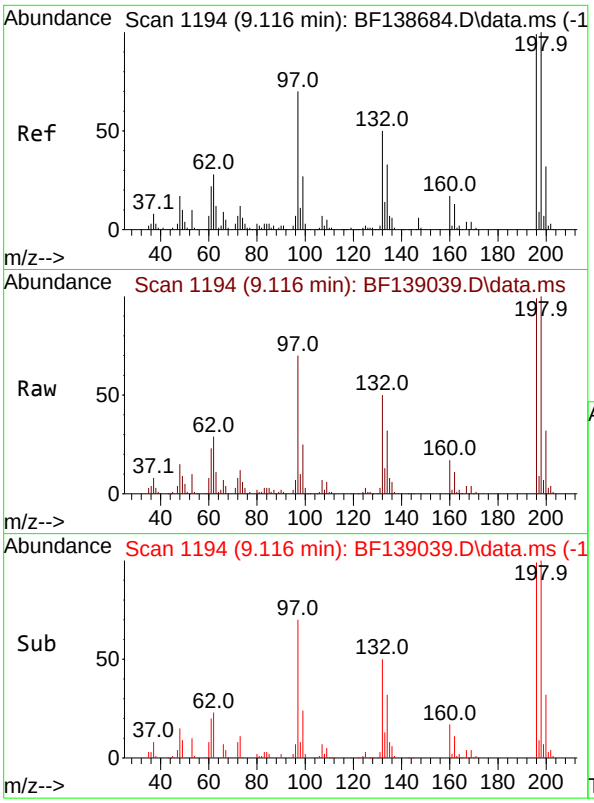


#42
2,4,6-Tribromophenol
Concen: 94.336 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:330 Resp: 69004

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.4	114.6
141	42.0	31.1	46.7

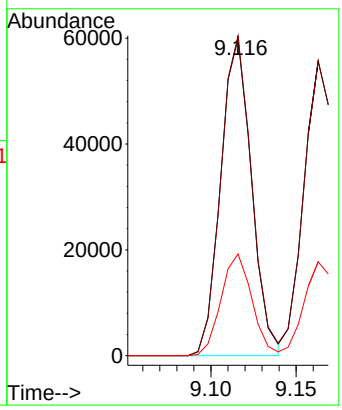




#43
2,4,6-Trichlorophenol
Concen: 49.860 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:196 Resp: 7541

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.5	120.7
200	32.1	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
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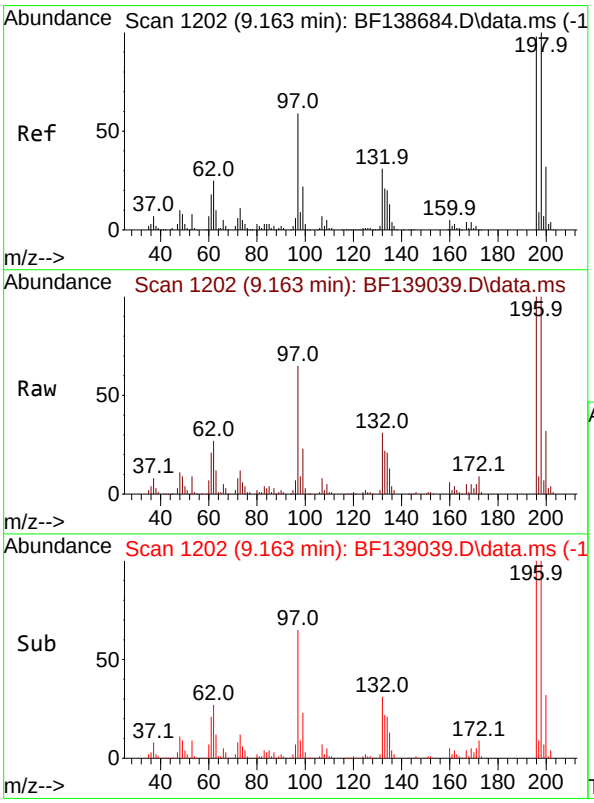
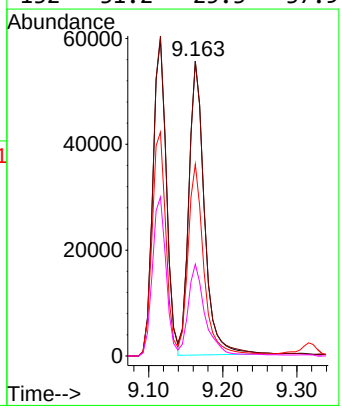
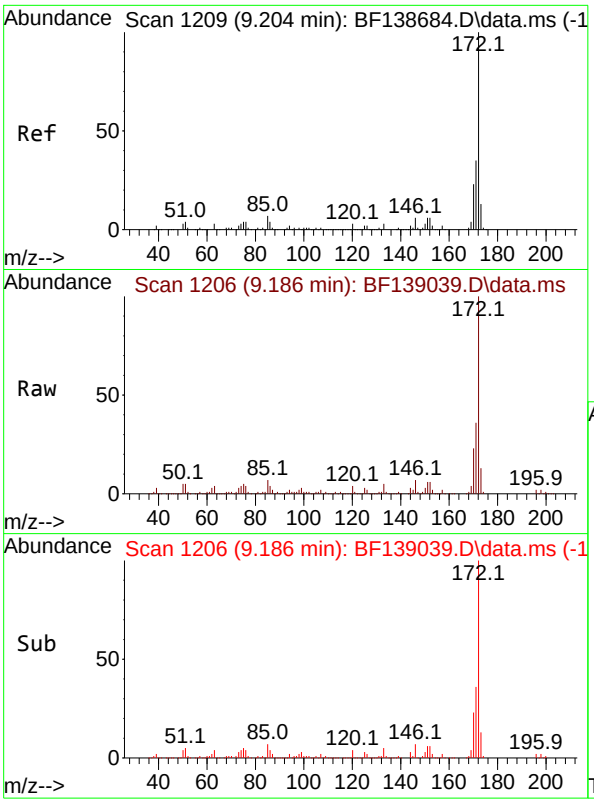


#44
2,4,5-Trichlorophenol
Concen: 49.010 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:196 Resp: 81034

Ion	Ratio	Lower	Upper
196	100		
198	99.9	81.2	121.8
97	65.0	47.8	71.6
132	31.2	25.3	37.9

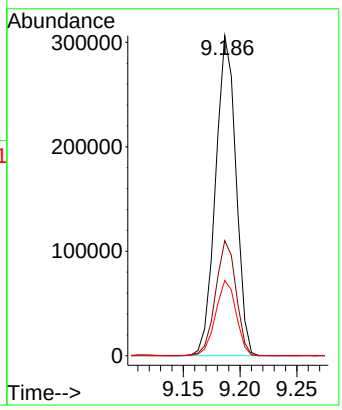




#45
2-Fluorobiphenyl
Concen: 64.371 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:172 Resp: 38257

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.3	42.5
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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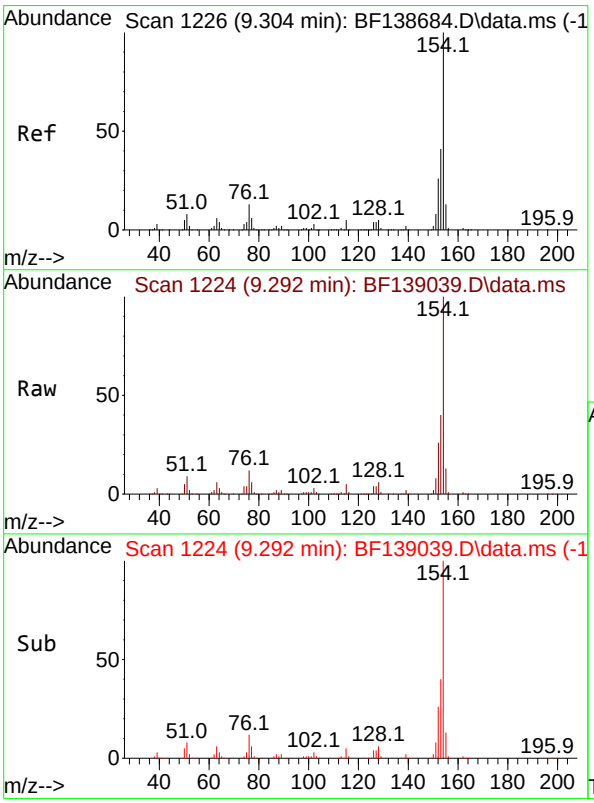
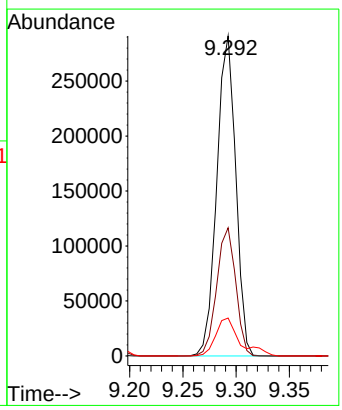
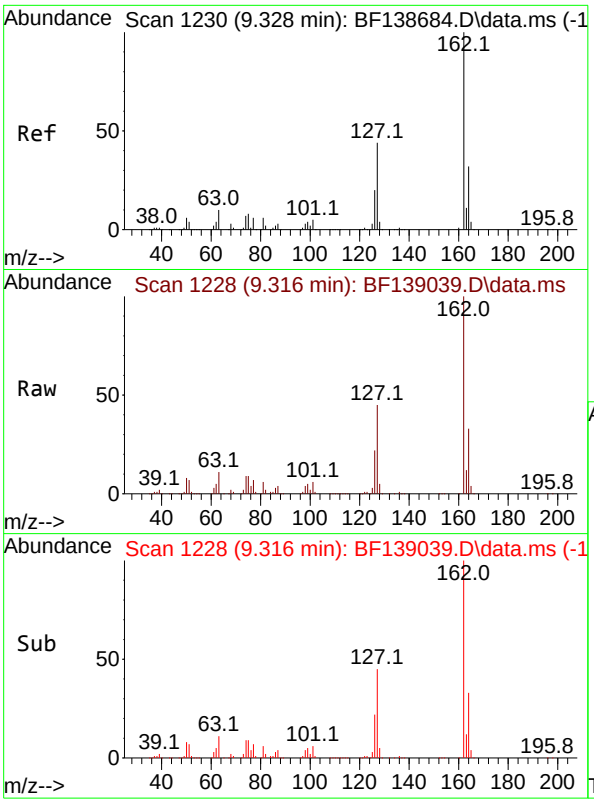


#46
1,1'-Biphenyl
Concen: 51.280 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:154 Resp: 358638

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.8	60.8
76	11.9	0.0	32.8

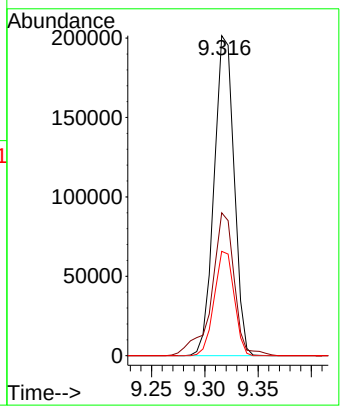




#47
2-Chloronaphthalene
Concen: 50.515 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:162 Resp: 26274

Ion	Ratio	Lower	Upper
162	100		
127	44.7	35.4	53.2
164	32.6	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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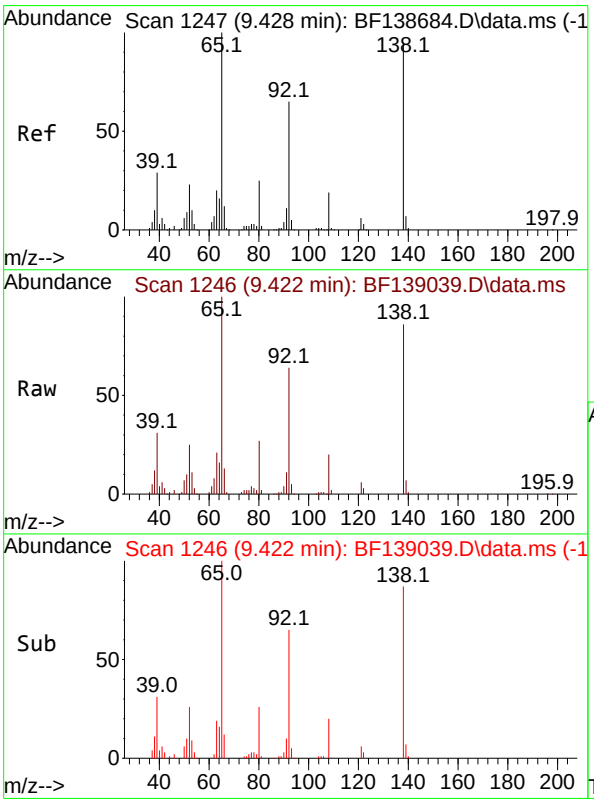
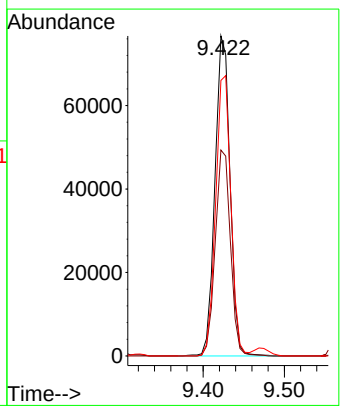
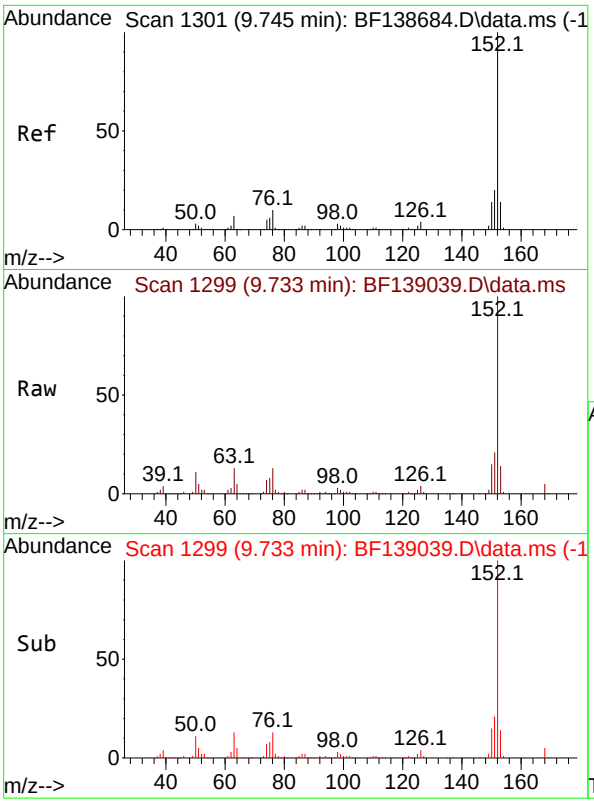


#48
2-Nitroaniline
Concen: 56.119 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion: 65 Resp: 98957

Ion	Ratio	Lower	Upper
65	100		
92	64.4	52.0	78.0
138	86.1	76.2	114.4





#49
Acenaphthylene
Concen: 54.803 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:152 Resp: 40429

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.0	24.0
153	13.7	11.0	16.4

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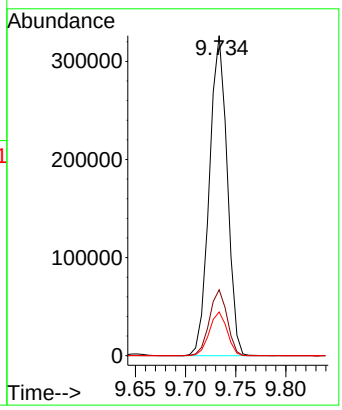
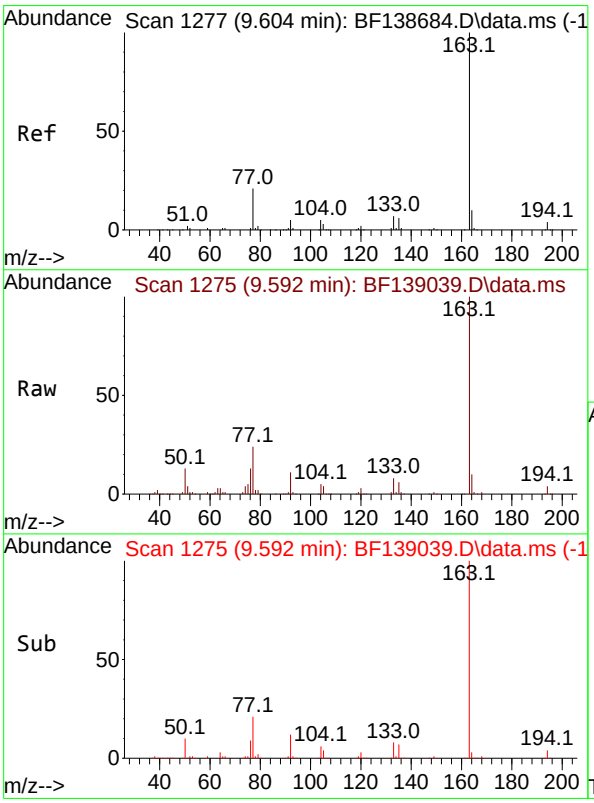
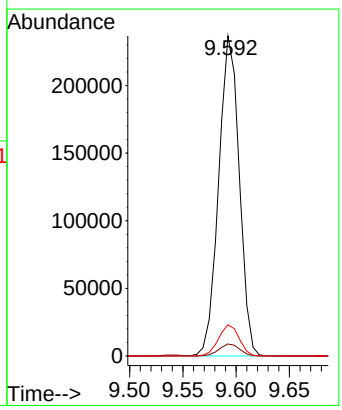


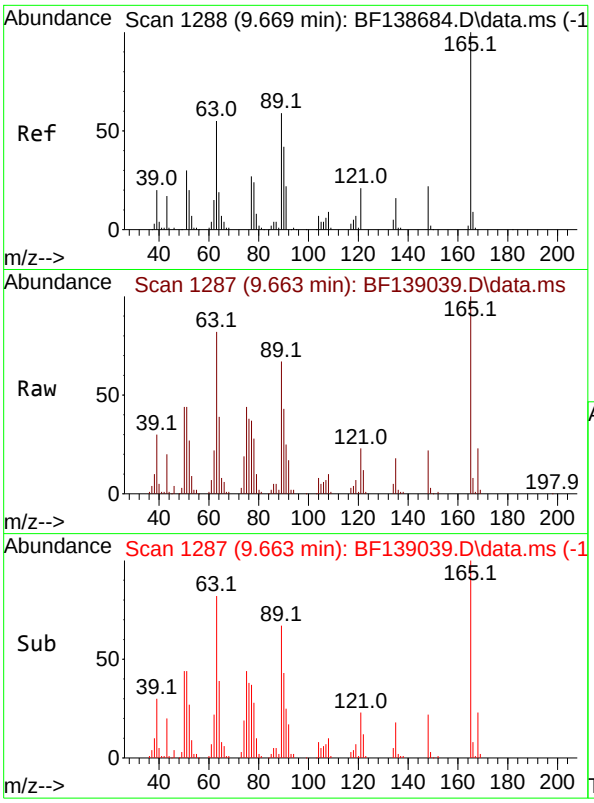


#50
Dimethylphthalate
Concen: 55.608 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:163 Resp: 317510

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.8	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 53.494 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:165 Resp: 6893

Ion	Ratio	Lower	Upper
165	100		
63	82.3	52.0	78.0
89	66.6	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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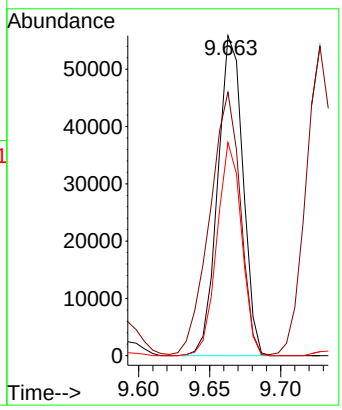
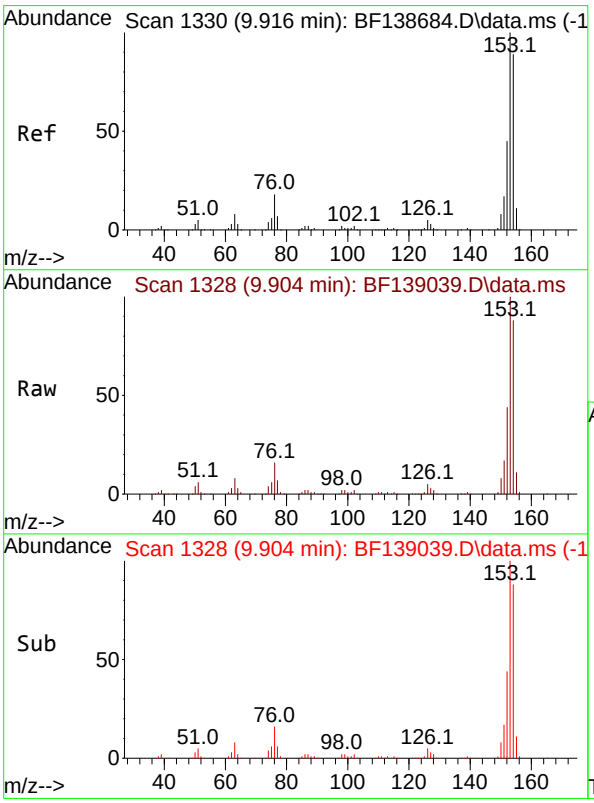
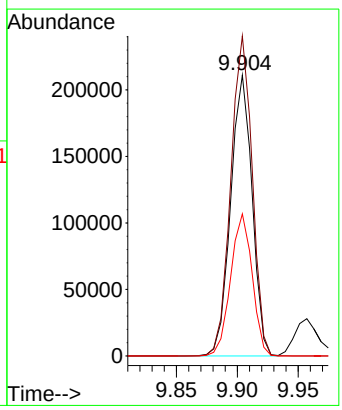


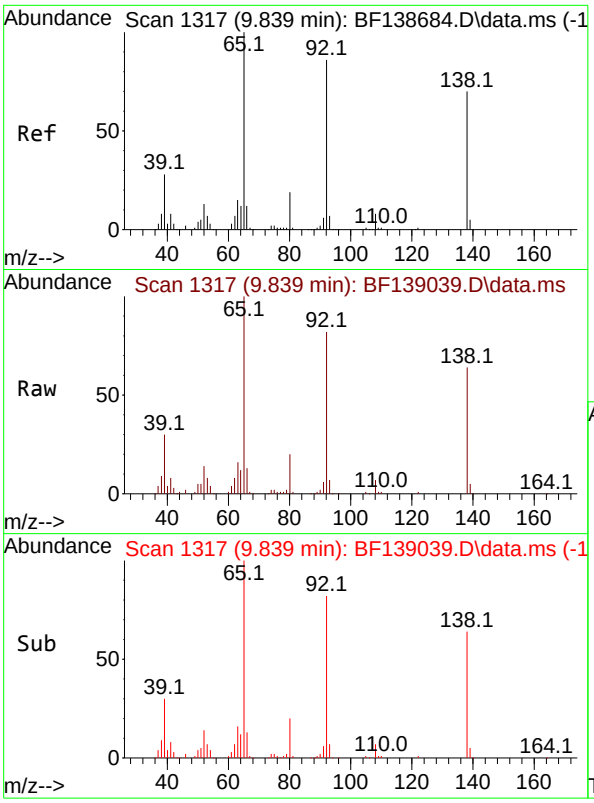


#52
Acenaphthene
Concen: 52.238 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:154 Resp: 259051

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.9	134.9
152	50.6	40.6	60.8





#53
3-Nitroaniline
Concen: 38.016 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:138 Resp: 5064

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.1	13.7
92	128.8	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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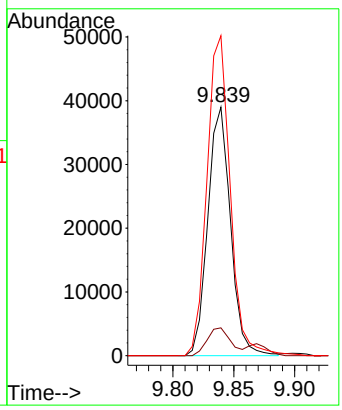
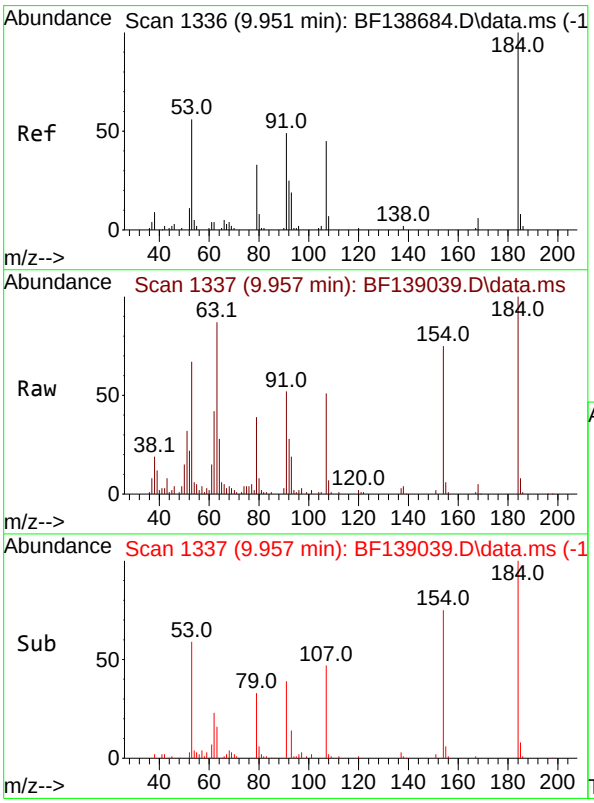
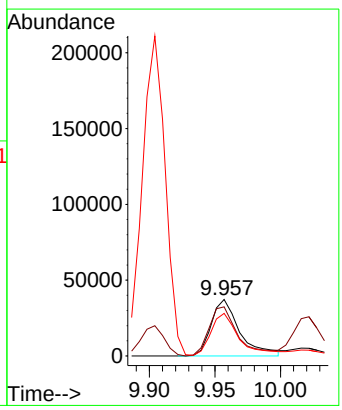


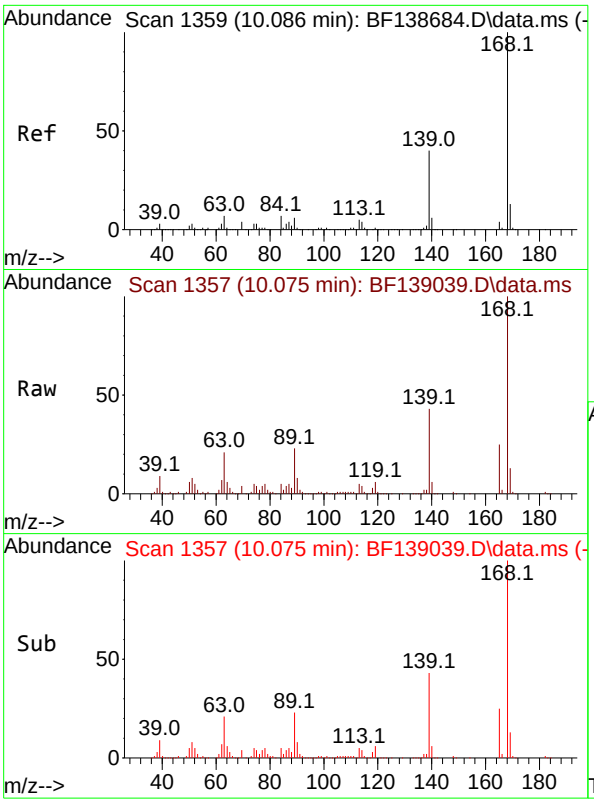


#54
2,4-Dinitrophenol
Concen: 94.615 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:184 Resp: 56124

Ion	Ratio	Lower	Upper
184	100		
63	87.0	57.5	86.3#
154	75.3	51.7	77.5

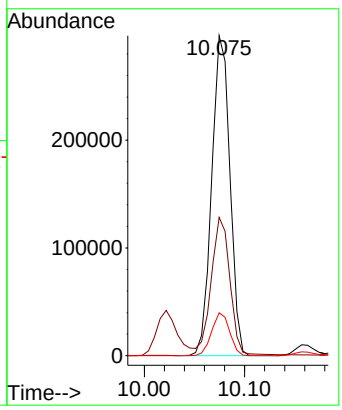




#55
Dibenzofuran
Concen: 53.469 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:168 Resp: 37429

Ion	Ratio	Lower	Upper
168	100		
139	43.2	32.6	49.0
169	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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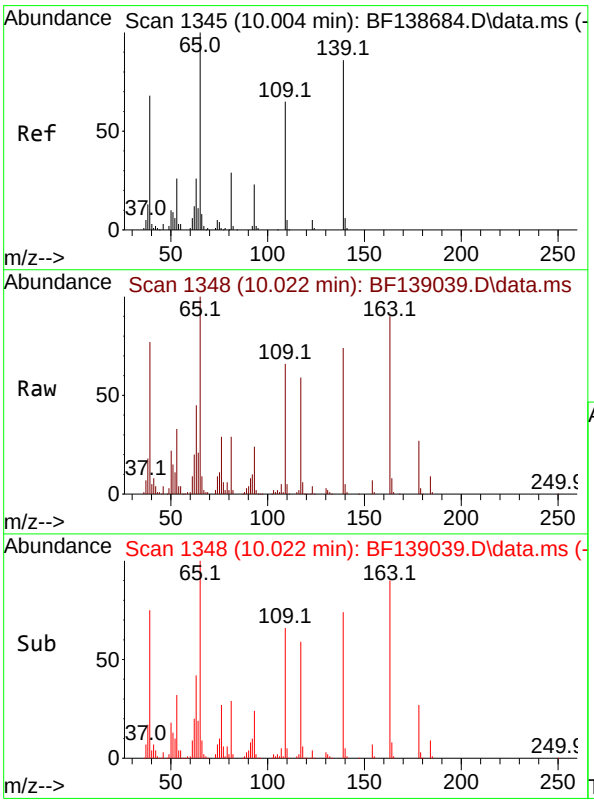
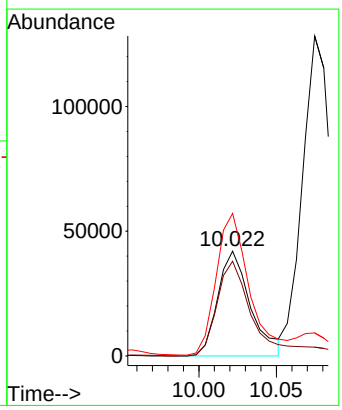
Supervised By :mohammad ahmed 08/17/2024

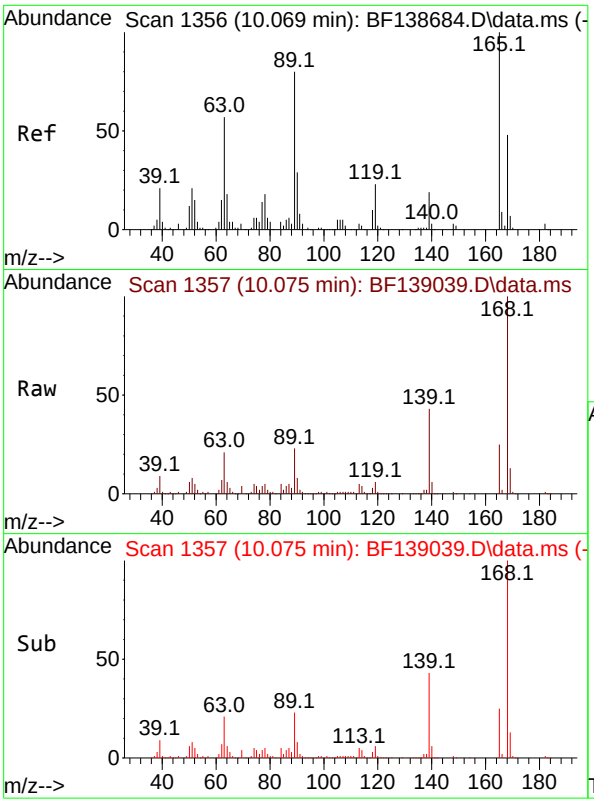


#56
4-Nitrophenol
Concen: 77.129 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:139 Resp: 61786

Ion	Ratio	Lower	Upper
139	100		
109	90.3	55.5	95.5
65	135.9	96.7	136.7

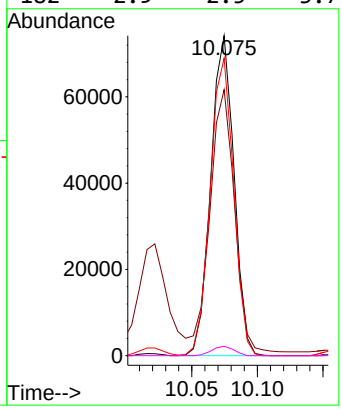




#57
2,4-Dinitrotoluene
Concen: 55.535 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:165 Resp: 9130

Ion	Ratio	Lower	Upper
165	100		
63	83.1	46.3	69.5#
89	92.9	64.2	96.4
182	2.9	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
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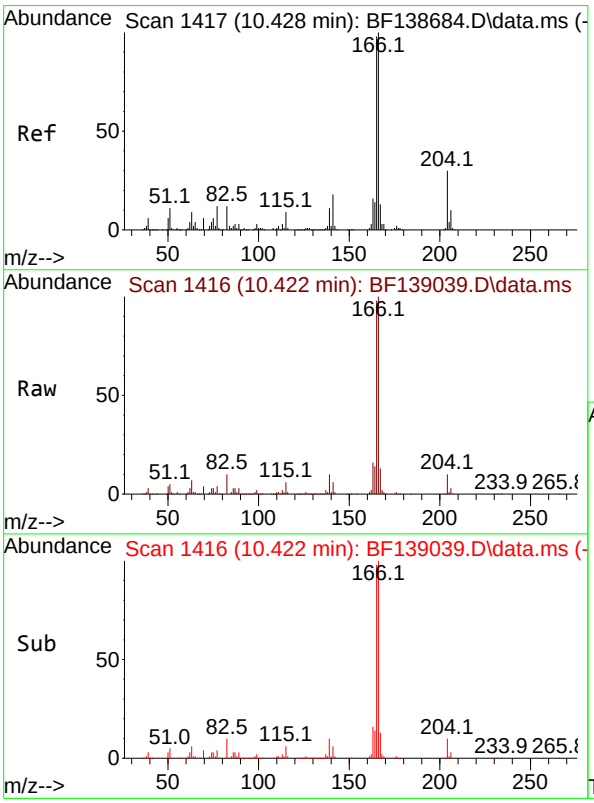
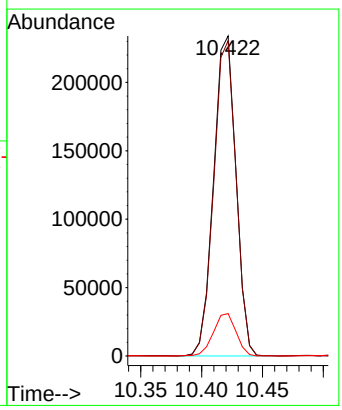
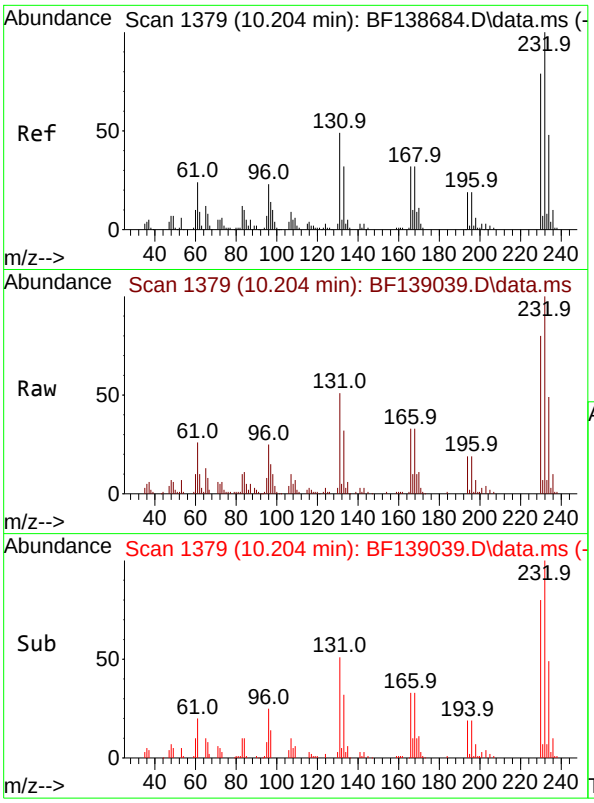


#58
Fluorene
Concen: 53.818 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:166 Resp: 300013

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.4	117.6
167	13.3	10.6	16.0

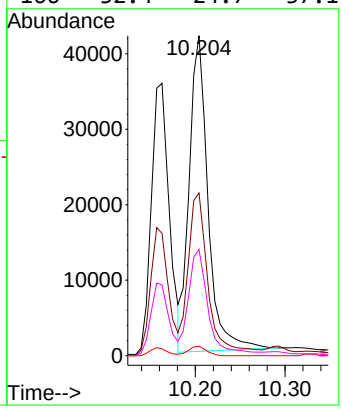




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.145 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:232 Resp: 6085

Ion	Ratio	Lower	Upper
232	100		
131	53.0	37.0	55.4
130	2.9	2.0	3.0
166	32.4	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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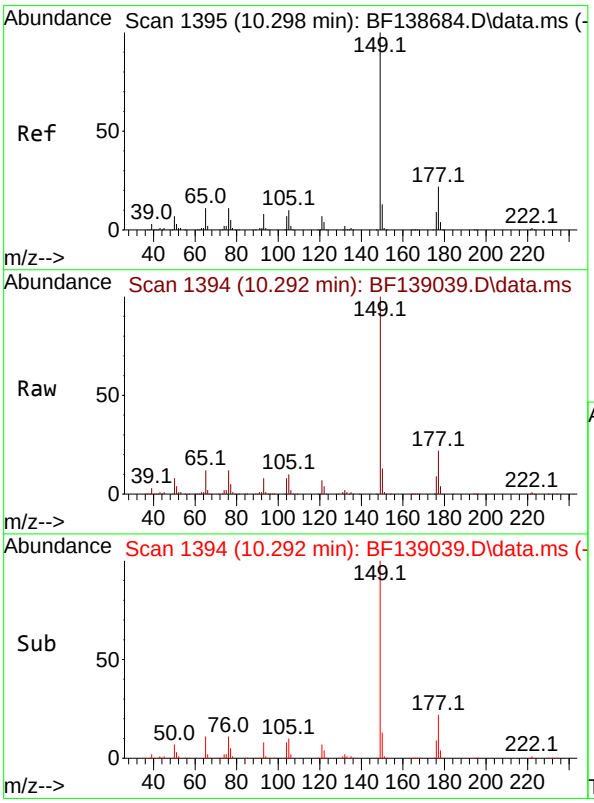
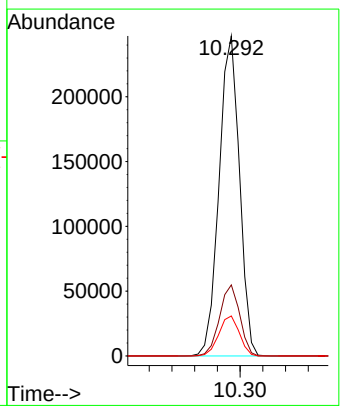
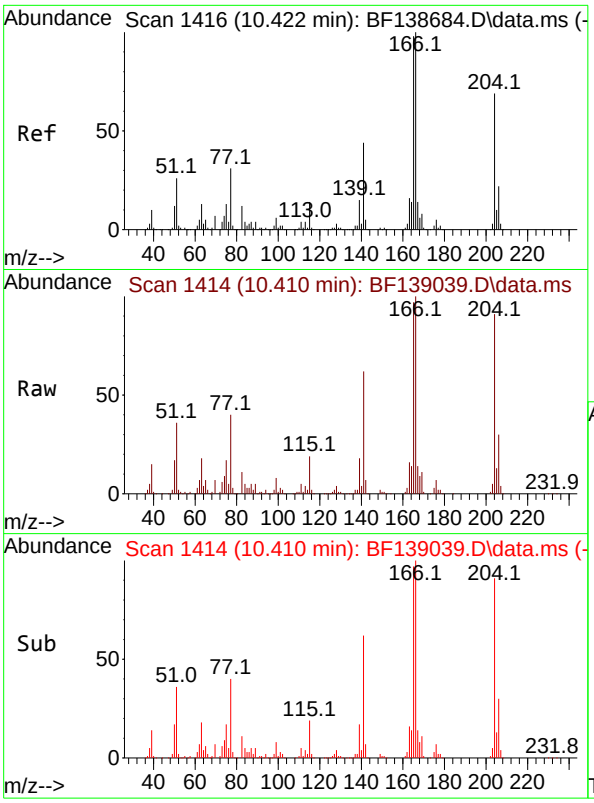


#60
Diethylphthalate
Concen: 56.892 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:149 Resp: 308006

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 53.246 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:204 Resp: 14598

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.1	39.1
141	68.1	51.4	77.0

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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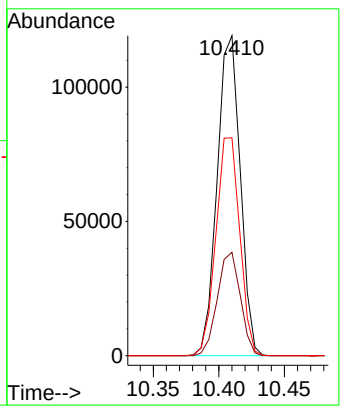
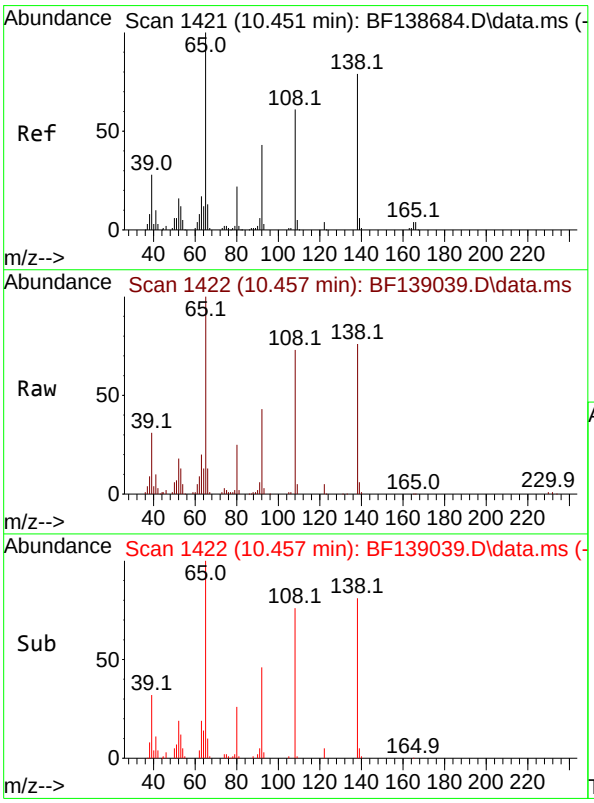
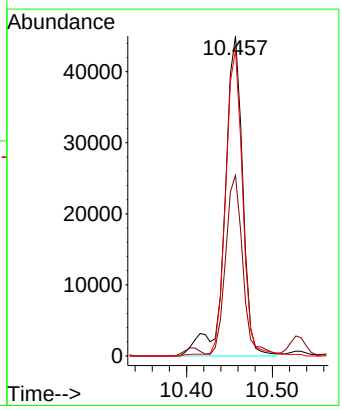


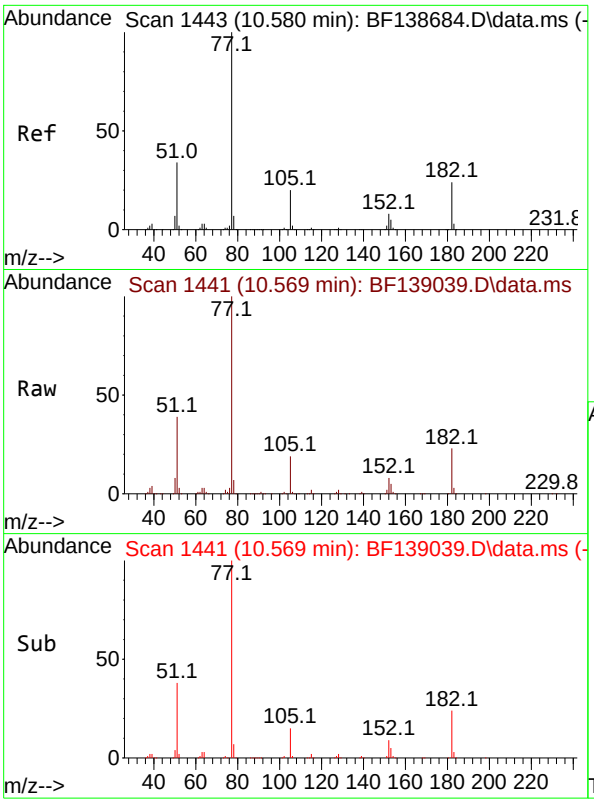


#62
4-Nitroaniline
Concen: 51.496 ng m
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:138 Resp: 65191

Ion	Ratio	Lower	Upper
138	100		
92	56.4	34.2	74.2
108	95.6	56.2	96.2





#63
Azobenzene
Concen: 53.840 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Tgt Ion: 77 Resp: 32328

Ion	Ratio	Lower	Upper
77	100		
182	23.0	3.4	43.4
105	19.3	0.2	40.2
51	38.9	14.6	54.6

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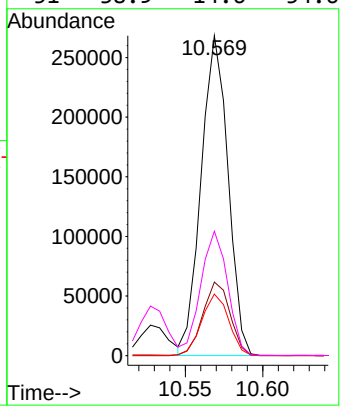
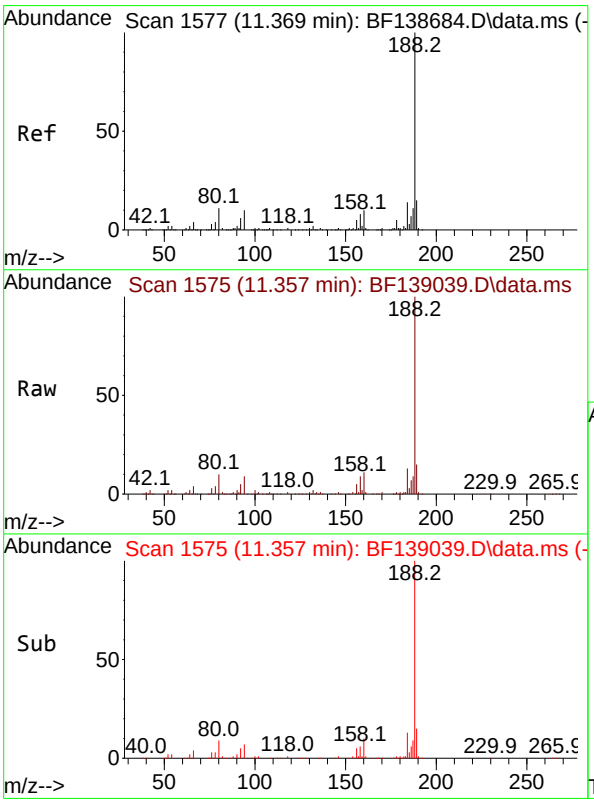
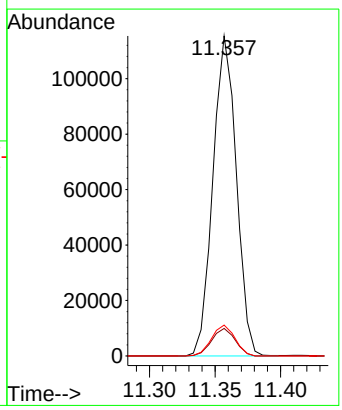


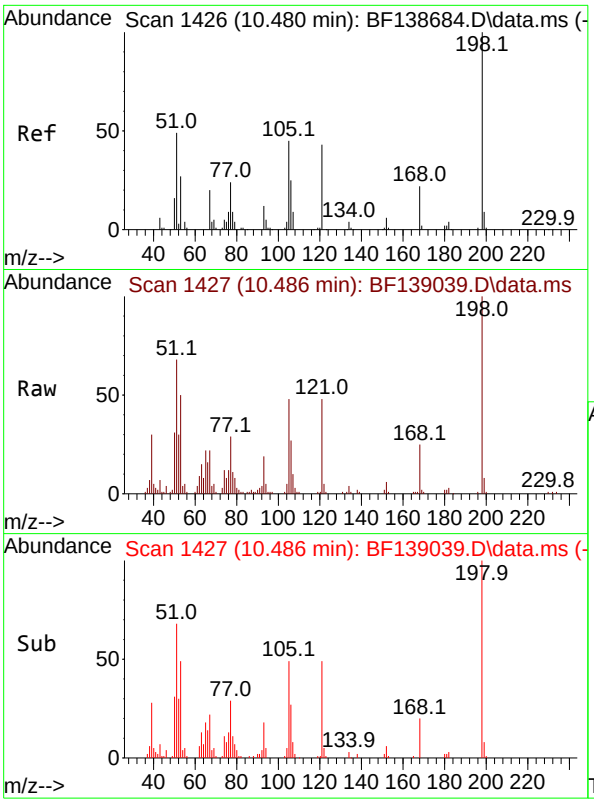


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:188 Resp: 143290

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.6	11.4
80	9.6	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 50.322 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:198 Resp: 4399

Ion	Ratio	Lower	Upper
198	100		
51	68.2	39.9	79.9
105	48.1	26.1	66.1

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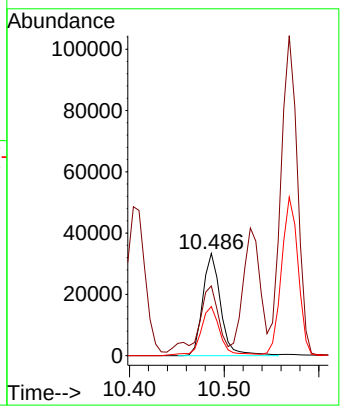
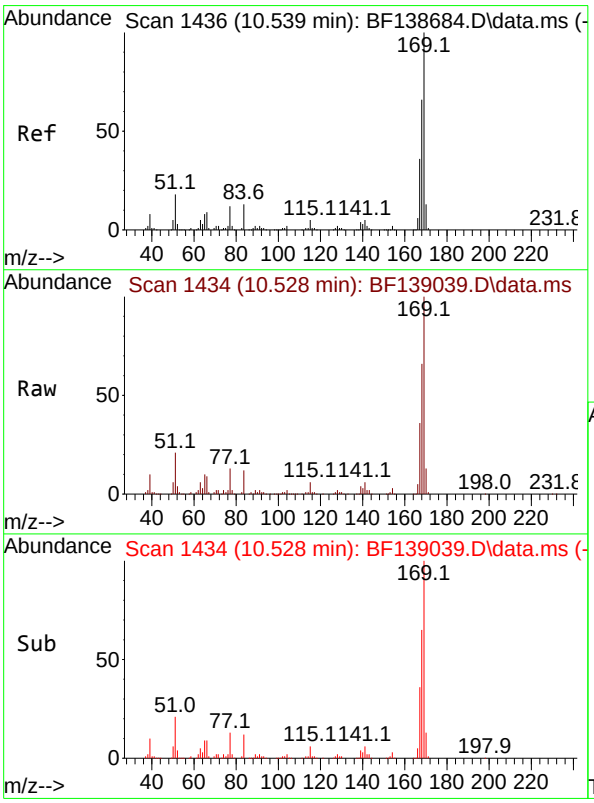
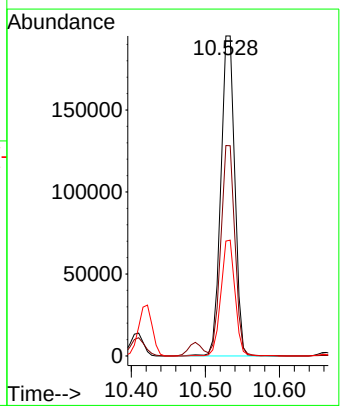


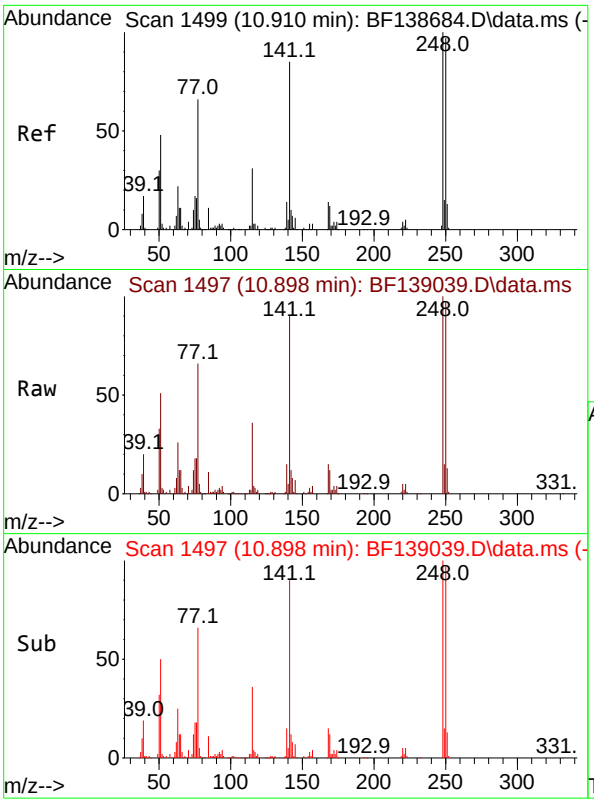


#66
n-Nitrosodiphenylamine
Concen: 57.047 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:169 Resp: 255508

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.6
167	35.9	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 52.867 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:248 Resp: 8201

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	90.1	68.0	102.0

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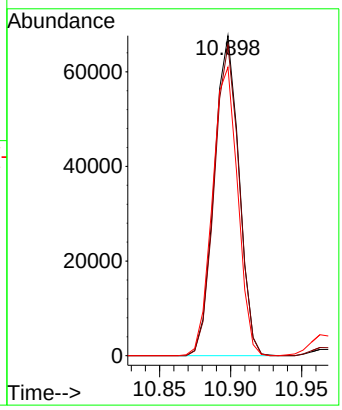
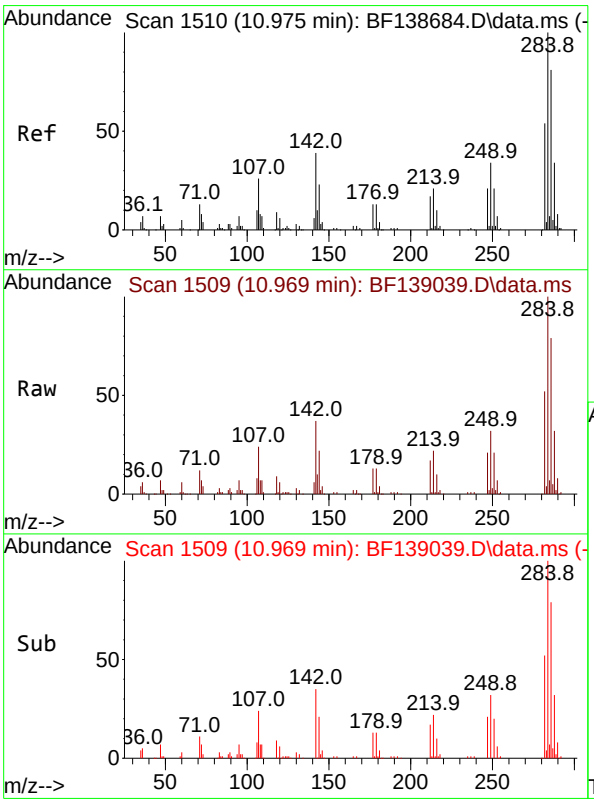
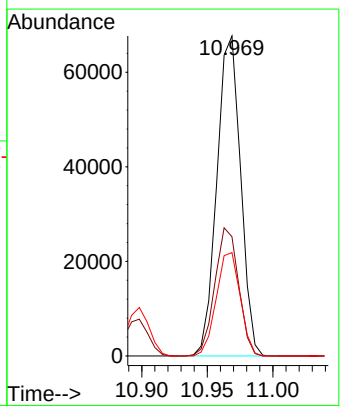


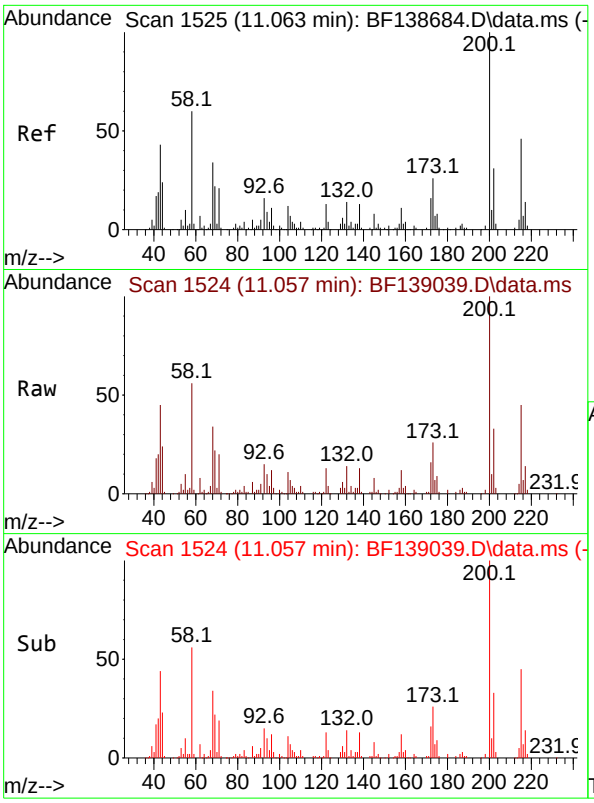


#68
Hexachlorobenzene
Concen: 53.132 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:284 Resp: 85108

Ion	Ratio	Lower	Upper
284	100		
142	37.2	31.3	46.9
249	32.3	27.2	40.8

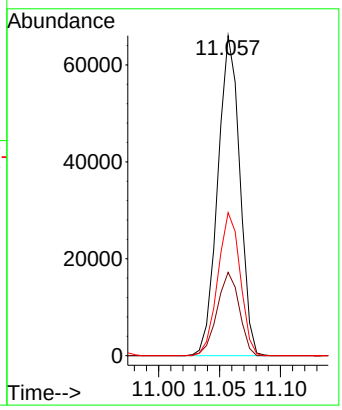




#69
Atrazine
Concen: 71.907 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:200 Resp: 8309

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.0	46.0
215	44.7	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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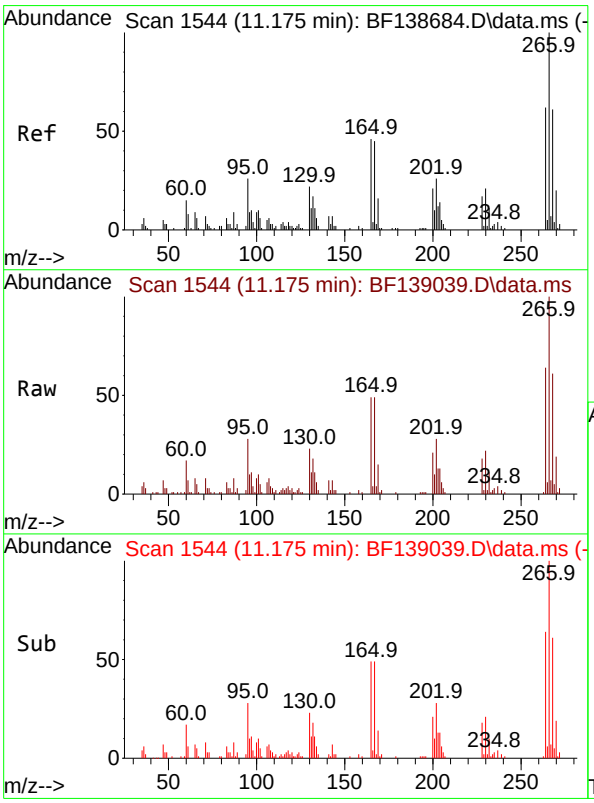
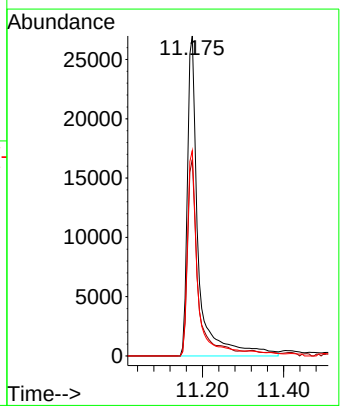
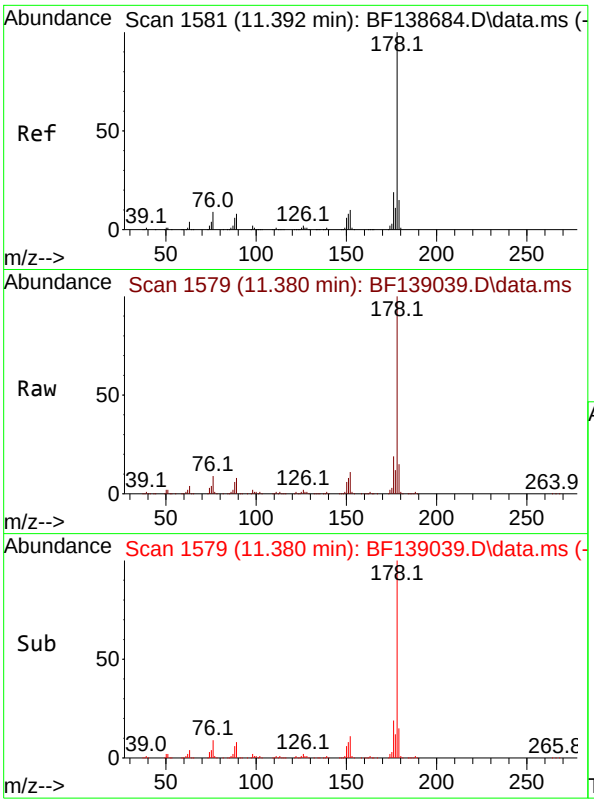


#70
Pentachlorophenol
Concen: 70.267 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:266 Resp: 50733

Ion	Ratio	Lower	Upper
266	100		
268	61.3	49.2	73.8
264	64.2	49.8	74.6

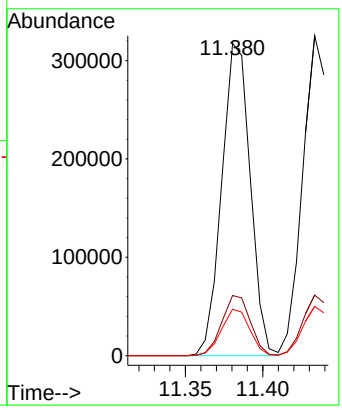




#71
Phenanthrene
Concen: 55.115 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:178 Resp: 40665

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	14.9	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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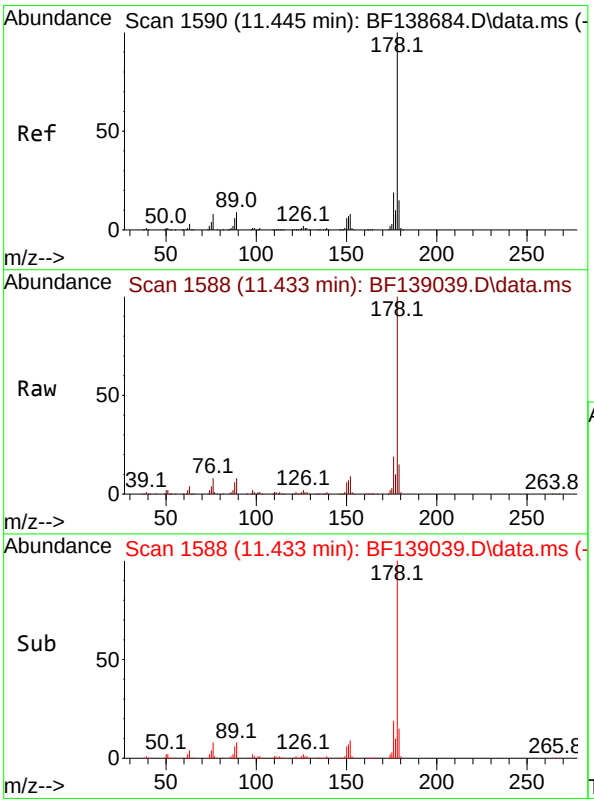
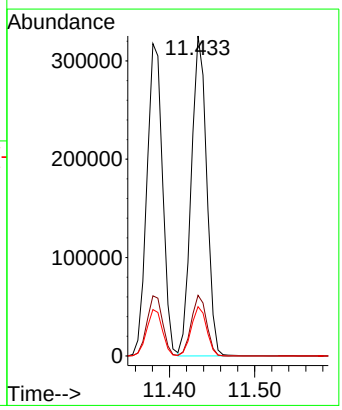
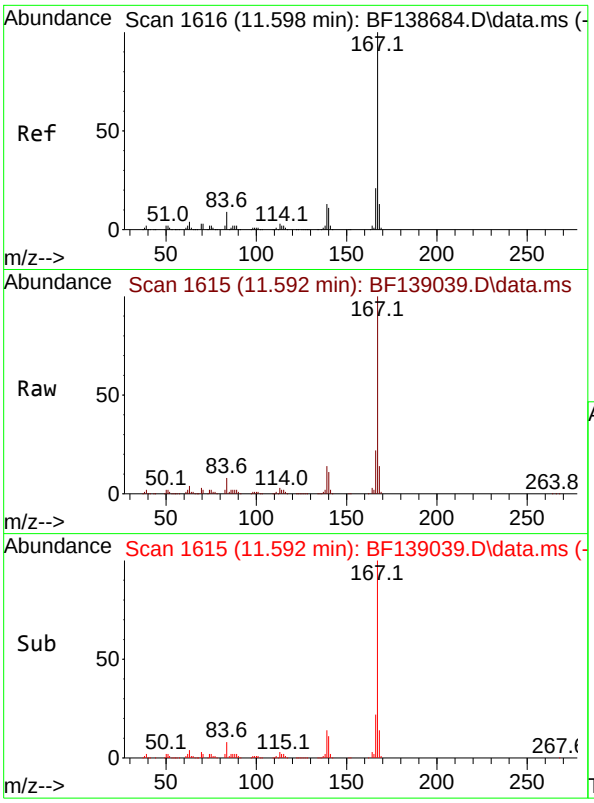


#72
Anthracene
Concen: 56.038 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:178 Resp: 407318

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.4	12.4	18.6





#73
Carbazole
Concen: 51.560 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:167 Resp: 32333

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.2	25.8
139	14.2	10.6	16.0

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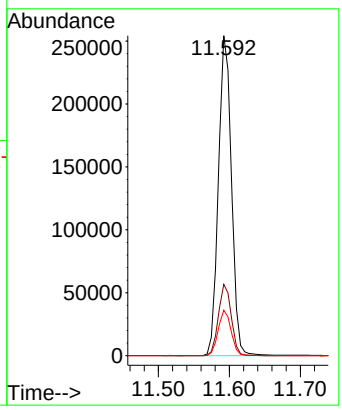
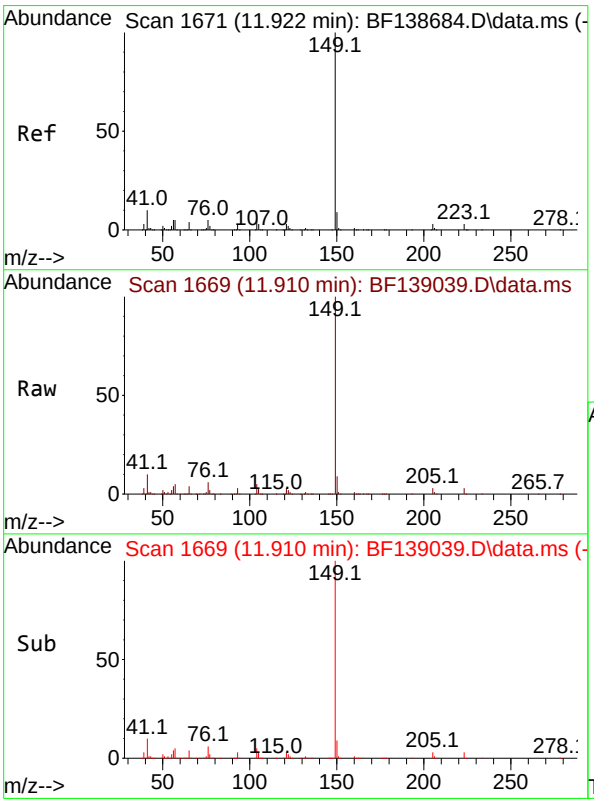
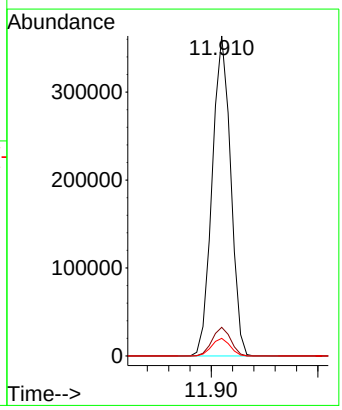


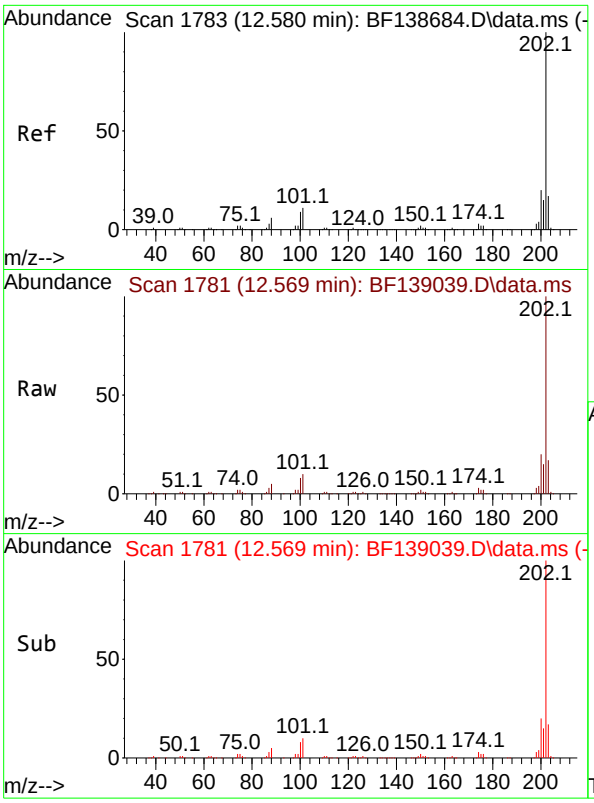


#74
Di-n-butylphthalate
Concen: 62.049 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:149 Resp: 437421

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	5.5	4.1	6.1





#75
Fluoranthene
Concen: 49.320 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:202 Resp: 33972

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.2
203	17.4	0.0	37.3

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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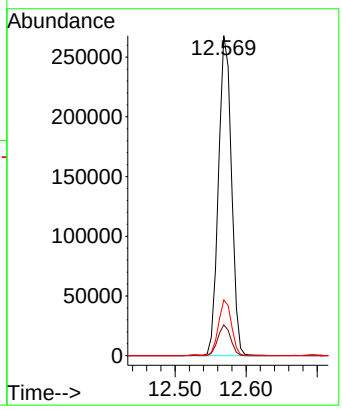
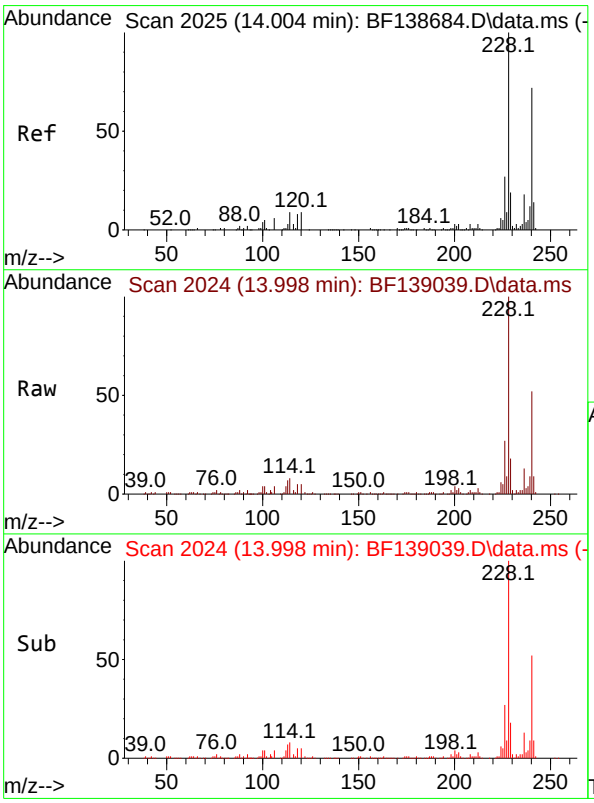
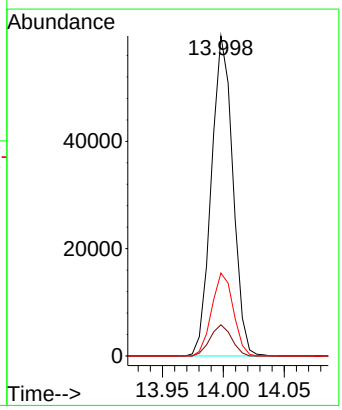


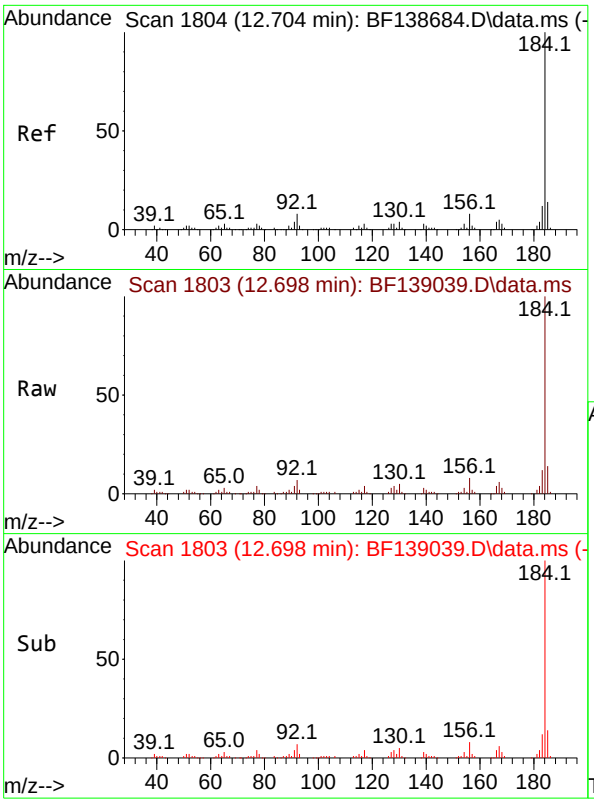


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:240 Resp: 73082

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.2	15.4#
236	25.9	19.8	29.8

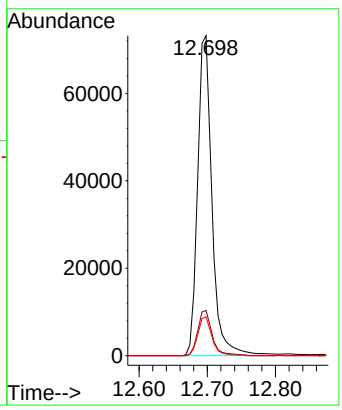




#77
Benzidine
Concen: 61.359 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:184 Resp: 10725

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.1	16.7
183	12.1	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
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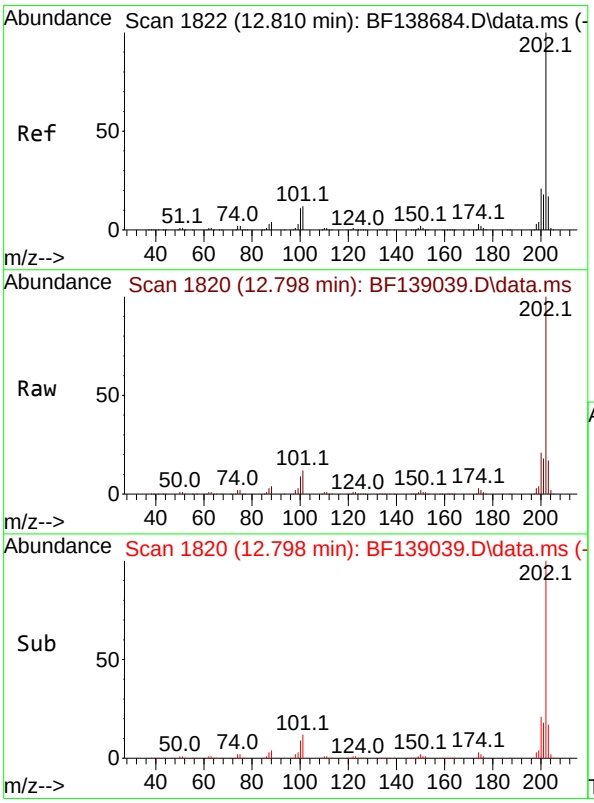
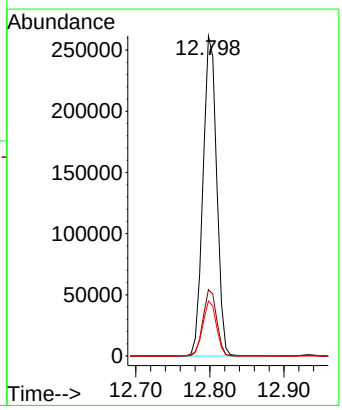
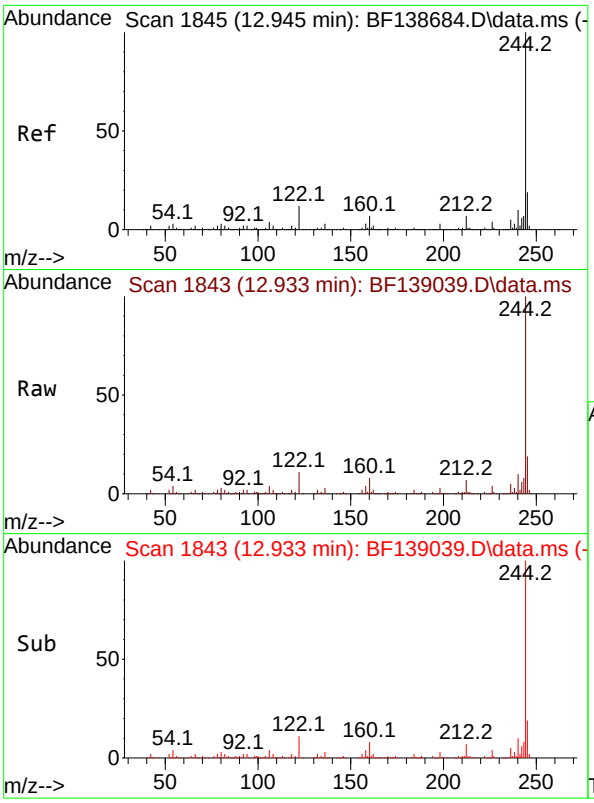


#78
Pyrene
Concen: 48.706 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:202 Resp: 335144

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.2	13.8	20.6

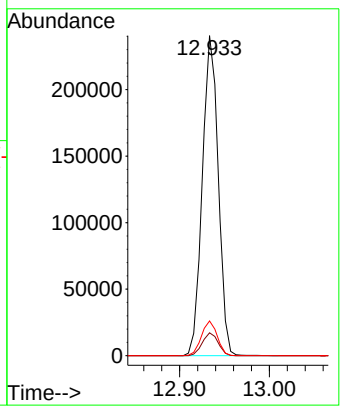




#79
Terphenyl-d14
Concen: 67.858 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:244 Resp: 29620

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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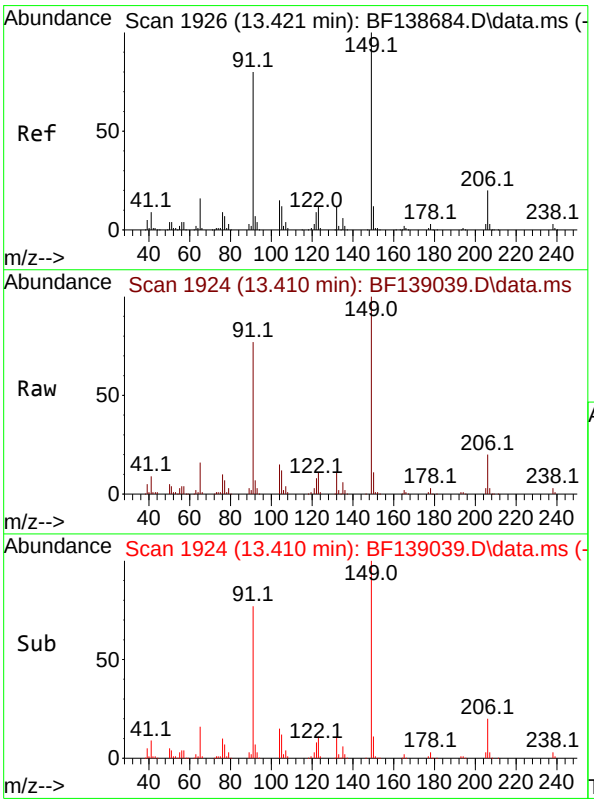
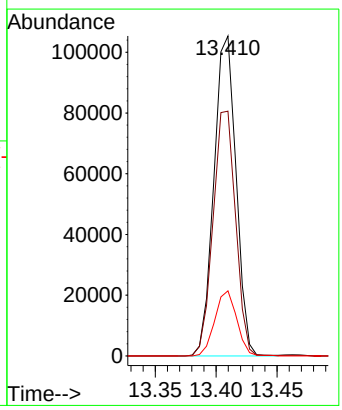
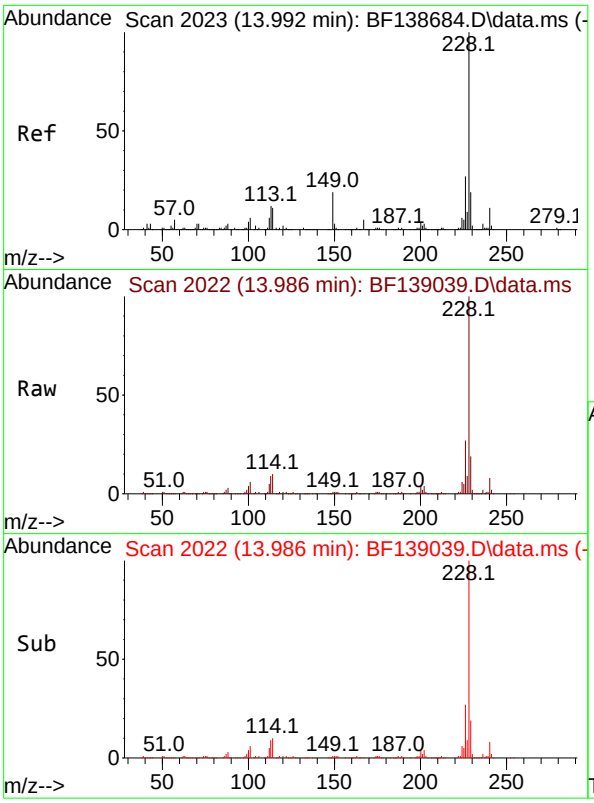


#80
Butylbenzylphthalate
Concen: 60.730 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:149 Resp: 133815

Ion	Ratio	Lower	Upper
149	100		
91	76.5	63.7	95.5
206	20.4	16.2	24.2

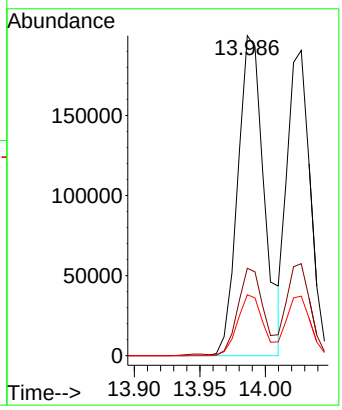




#81
Benzo(a)anthracene
Concen: 55.578 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:228 Resp: 27969

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.1	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
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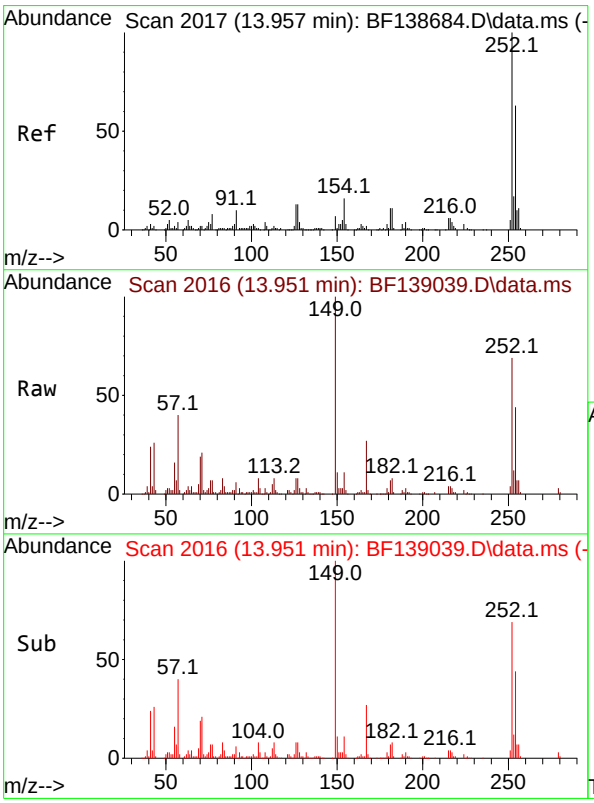
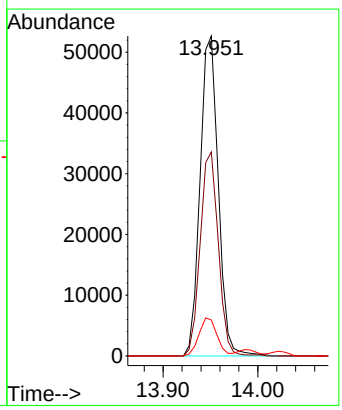
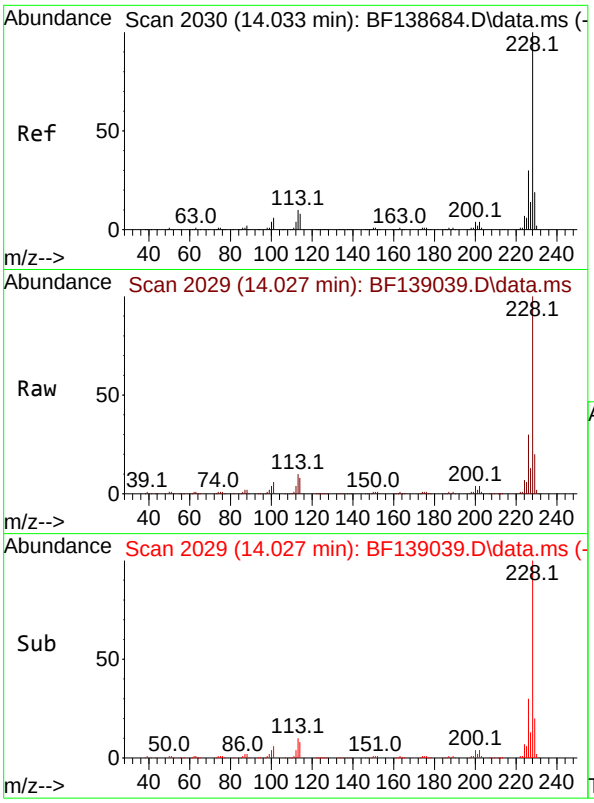


#82
3,3'-Dichlorobenzidine
Concen: 54.485 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:252 Resp: 70169

Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.8	76.2
126	11.3	10.2	15.2

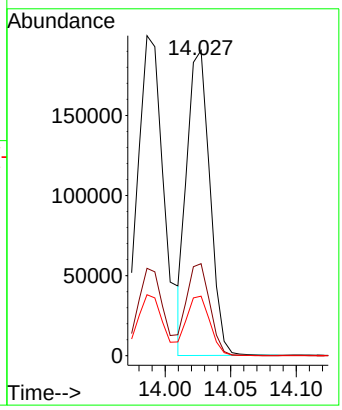




#83
Chrysene
Concen: 50.955 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:228 Resp: 23135

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	19.5	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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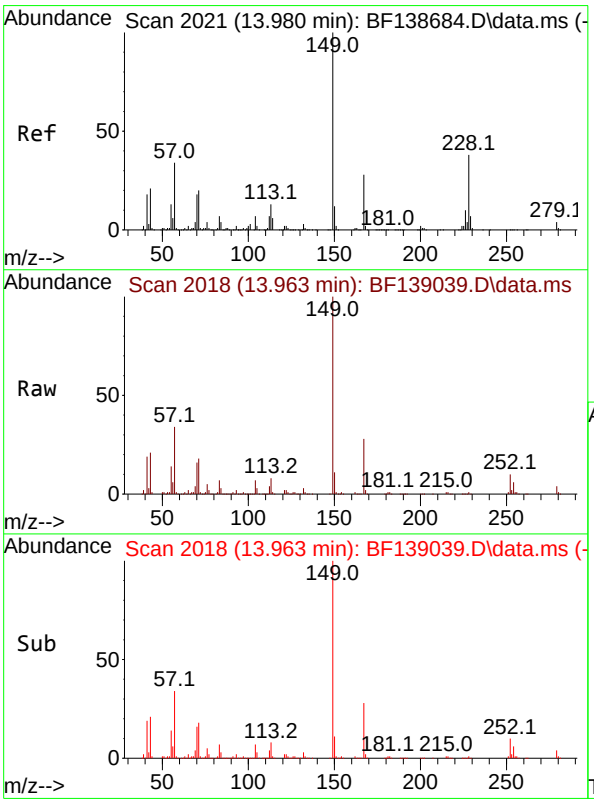
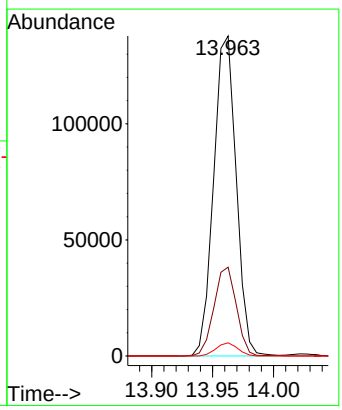
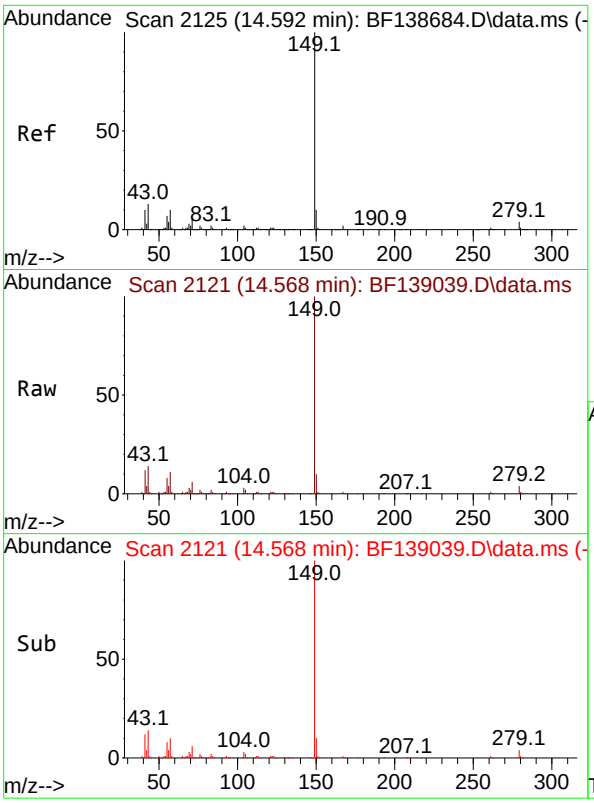


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.085 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:149 Resp: 177738

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.1	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 50.591 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:149 Resp: 30201

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.4	2.0
43	13.3	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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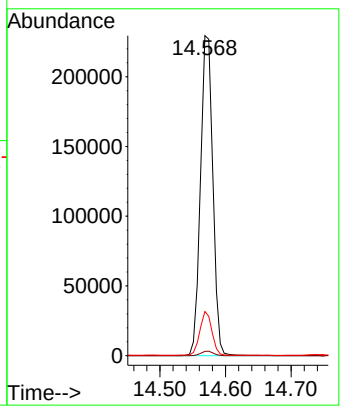
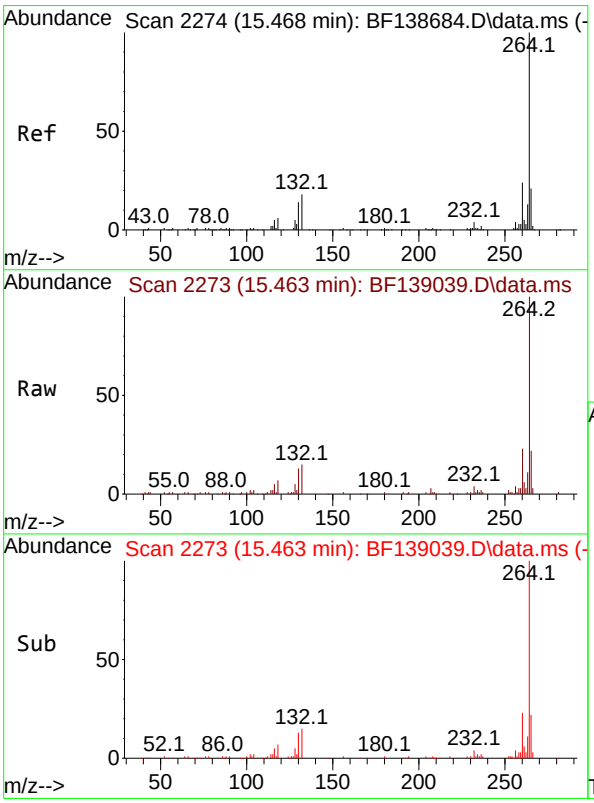
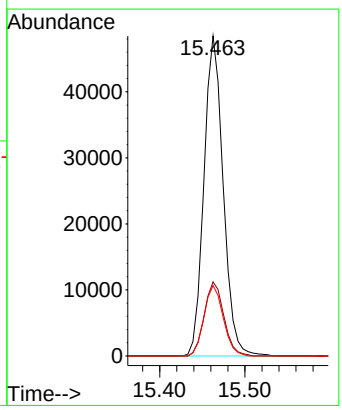


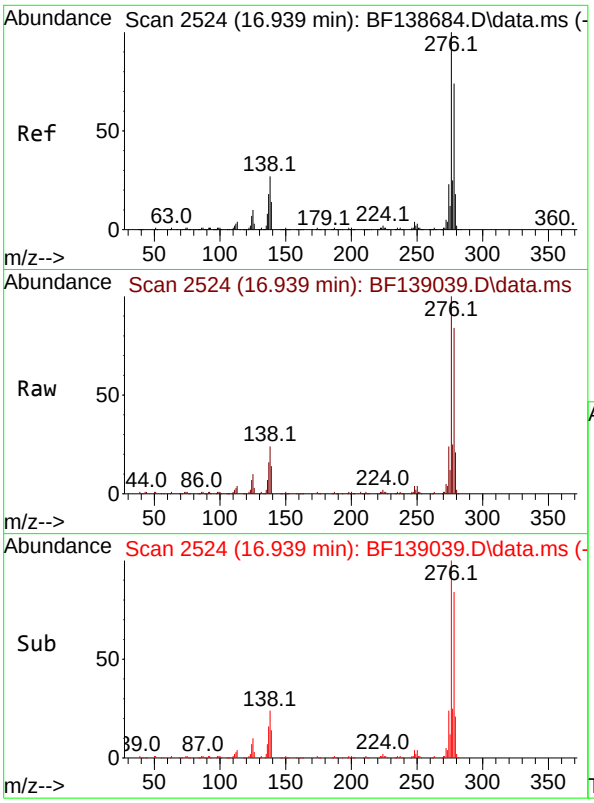


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:264 Resp: 76023

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	22.0	17.0	25.6

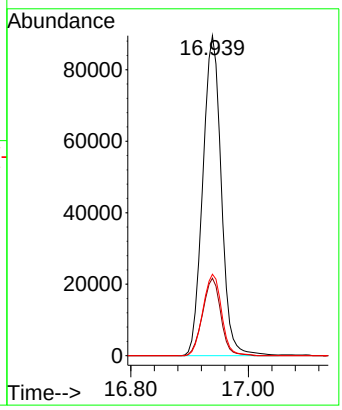




#87
Indeno(1,2,3-cd)pyrene
Concen: 35.847 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:276 Resp: 19529

Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.8	32.8
277	25.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
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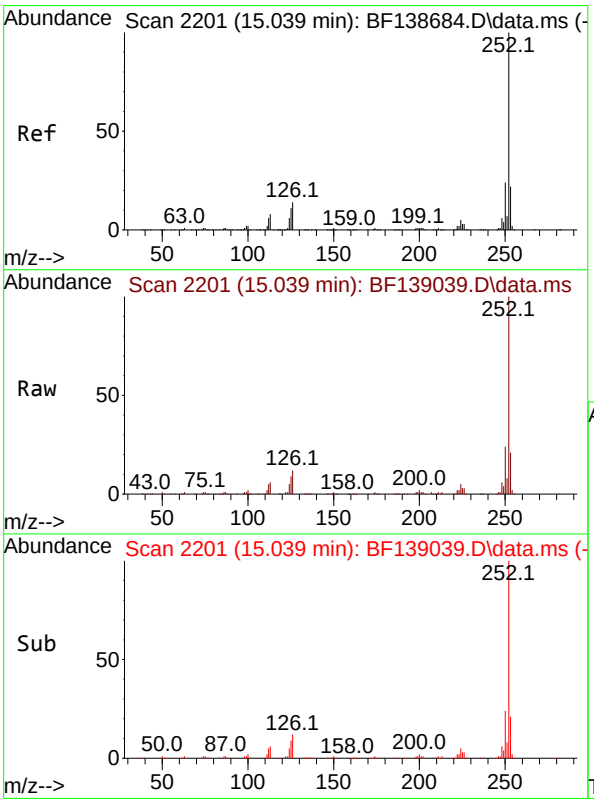
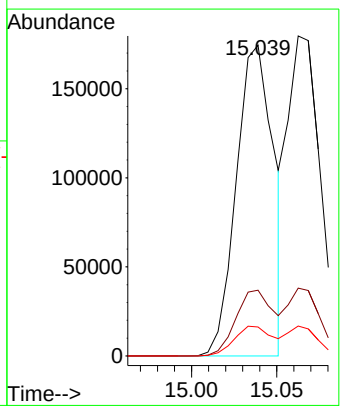
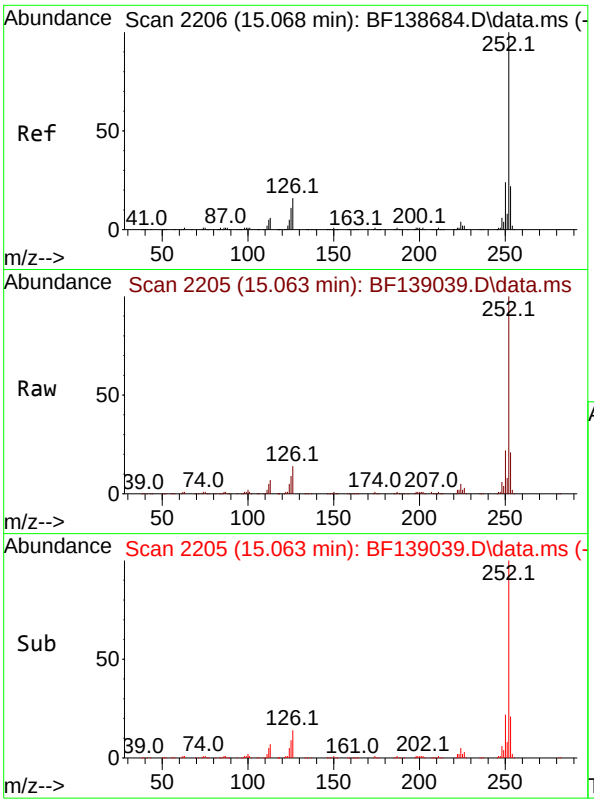


#88
Benzo(b)fluoranthene
Concen: 56.411 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:252 Resp: 265847

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	9.3	8.9	13.3

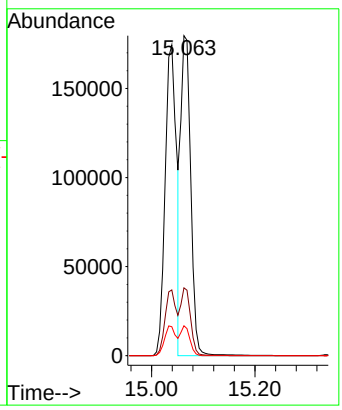




#89
Benzo(k)fluoranthene
Concen: 59.286 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:252 Resp: 24190

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	9.4	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

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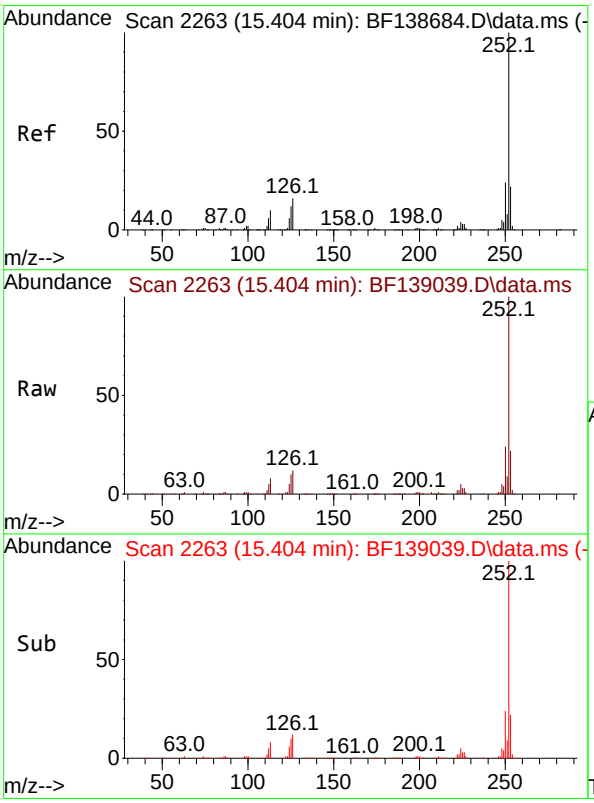
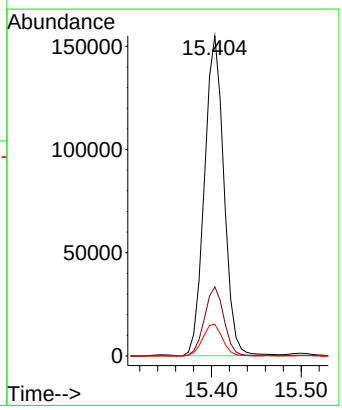
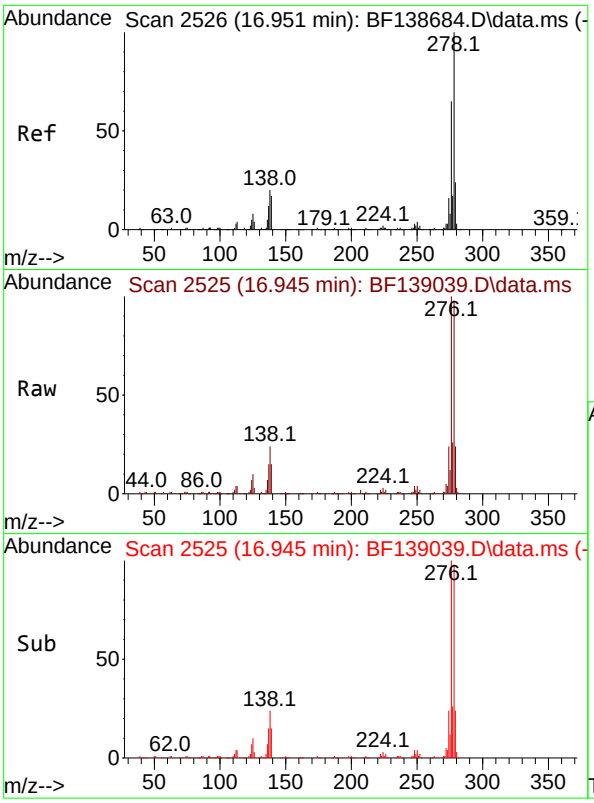


#90
Benzo(a)pyrene
Concen: 58.814 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:252 Resp: 233141

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.9	9.5	14.3

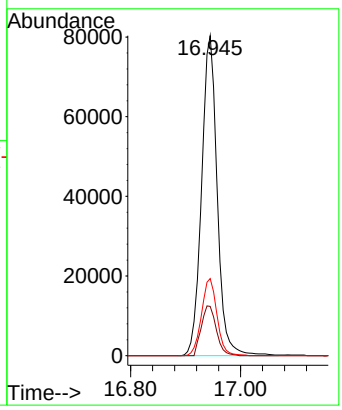




#91
Dibenzo(a,h)anthracene
Concen: 35.442 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:278 Resp: 15850

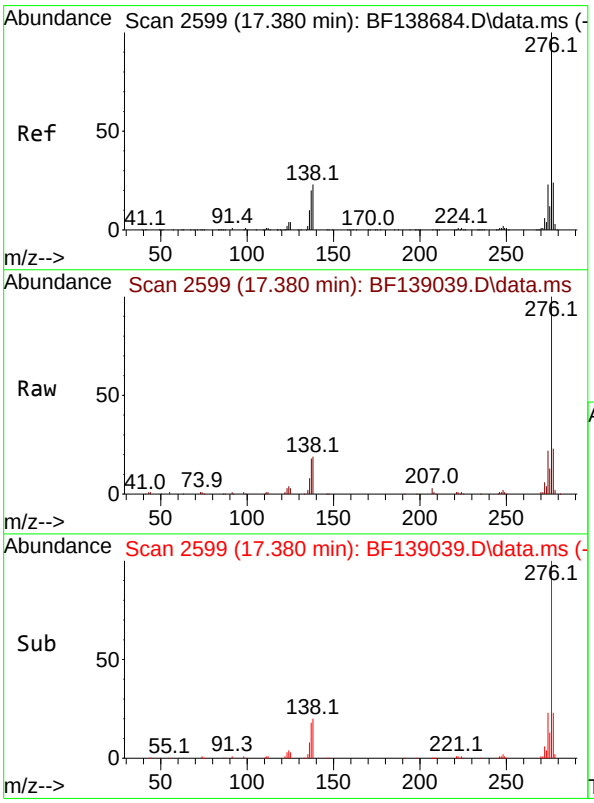
Ion	Ratio	Lower	Upper
278	100		
139	15.4	14.0	21.0
279	24.1	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
S-856-J-SO-1-1.5-080924MSD

Manual Integrations
APPROVED

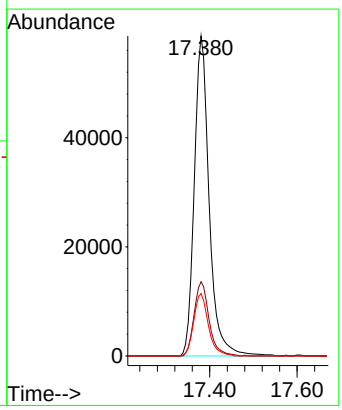
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#92
Benzo(g,h,i)perylene
Concen: 29.902 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF139039.D
Acq: 15 Aug 2024 23:47

Tgt Ion:276 Resp: 138769

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	19.5	18.5	27.7



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Manual Integration Report

Sequence:	bf073024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF138682.D	Benzoic acid	yogesh	7/31/2024 6:39:36 AM	mohammad	7/31/2024 8:08:34 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF081524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139012.D	Caprolactam	Jagrut	8/16/2024 10:57:03 AM	mohammad	8/17/2024 2:51:27 AM	Peak Integrated by Software
SSTDCCC040	BF139025.D	4-Nitroaniline	Jagrut	8/16/2024 10:57:13 AM	mohammad	8/17/2024 2:51:27 AM	Peak Integrated by Software
P3573-05MS	BF139038.D	4-Nitroaniline	Jagrut	8/16/2024 10:57:17 AM	mohammad	8/17/2024 2:51:27 AM	Peak Integrated by Software
P3573-05MS	BF139038.D	Caprolactam	Jagrut	8/16/2024 10:57:17 AM	mohammad	8/17/2024 2:51:27 AM	Peak Integrated by Software
P3573-05MSD	BF139039.D	4-Nitroaniline	Jagrut	8/16/2024 10:57:19 AM	mohammad	8/17/2024 2:51:27 AM	Peak Integrated by Software
P3573-05MSD	BF139039.D	Caprolactam	Jagrut	8/16/2024 10:57:19 AM	mohammad	8/17/2024 2:51:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF081924	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139065.D	4-Nitroaniline	Jagrut	8/20/2024 8:51:16 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
SSTDCCC040	BF139065.D	Benzo(b)fluoranthene	Jagrut	8/20/2024 8:51:16 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
SSTDCCC040	BF139065.D	Benzoic acid	Jagrut	8/20/2024 8:51:16 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
PB162688BS	BF139075.D	2,3,4,6-Tetrachlorophenol	Jagrut	8/20/2024 8:51:32 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
PB162688BS	BF139075.D	4-Nitroaniline	Jagrut	8/20/2024 8:51:32 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
PB162688BS	BF139075.D	Benzoic acid	Jagrut	8/20/2024 8:51:32 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
PB162688BS	BF139075.D	Caprolactam	Jagrut	8/20/2024 8:51:32 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software
SSTDCCC040	BF139076.D	4-Nitroaniline	Jagrut	8/20/2024 8:51:35 AM	mohammad	8/21/2024 1:24:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF082024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF139079.D	Phenol	Jagrut	8/21/2024 10:34:41 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICCC040	BF139082.D	Caprolactam	Jagrut	8/21/2024 10:34:31 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC060	BF139084.D	Aniline	Jagrut	8/21/2024 10:34:33 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC080	BF139085.D	Aniline	Jagrut	8/21/2024 10:34:36 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC080	BF139085.D	Benzoic acid	Jagrut	8/21/2024 10:34:36 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software
SSTDICC080	BF139085.D	bis(2-Chloroethyl)ether	Jagrut	8/21/2024 10:34:36 AM	mohammad	8/22/2024 7:52:09 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Bf082224	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB162687BS	BF139115.D	Caprolactam	yogesh	8/23/2024 6:47:15 AM	mohammad	8/23/2024 6:56:56 AM	Peak Integrated by Software
PB162687BSD	BF139116.D	Caprolactam	yogesh	8/23/2024 6:47:17 AM	mohammad	8/23/2024 6:56:56 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP021482.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:54 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC010	BP021483.D	2,2"-oxybis(1-Chloropropane)	yogesh	8/14/2024 5:48:55 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC020	BP021484.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:57 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Pyridine	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Pyridine	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Pyridine	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Caprolactam	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Pyridine	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICV040	BP021489.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP021489.D	Pyridine	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081524	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP021506.D	2,2"-oxybis(1-Chloropropane)	Jagrut	8/16/2024 9:23:34 AM	mohammad	8/17/2024 2:51:46 AM	Peak Integrated by Software
SSTDCCC040	BP021506.D	Indeno(1,2,3-cd)pyrene	Jagrut	8/16/2024 9:23:34 AM	mohammad	8/17/2024 2:51:46 AM	Peak Integrated by Software
SSTDCCC040	BP021513.D	Indeno(1,2,3-cd)pyrene	Jagrut	8/16/2024 9:23:43 AM	mohammad	8/17/2024 2:51:46 AM	Peak Integrated by Software
SSTDCCC040	BP021513.D	Pyridine	Jagrut	8/16/2024 9:23:43 AM	mohammad	8/17/2024 2:51:46 AM	Peak Integrated by Software
SSTDCCC040	BP021515.D	Indeno(1,2,3-cd)pyrene	Jagrut	8/16/2024 9:23:48 AM	mohammad	8/17/2024 2:51:46 AM	Peak Integrated by Software
SSTDCCC040	BP021515.D	Pyridine	Jagrut	8/16/2024 9:23:48 AM	mohammad	8/17/2024 2:51:46 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF073024

Review By	yogesh	Review On	7/31/2024 6:39:45 AM		
Supervise By	mohammad	Supervise On	7/31/2024 8:08:34 AM		
SubDirectory	BF073024	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12036 10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF138679.D	30 Jul 2024 12:24	RC/JU	Ok
2	SSTDICC2.5	BF138680.D	30 Jul 2024 12:54	RC/JU	Ok
3	SSTDICC005	BF138681.D	30 Jul 2024 13:25	RC/JU	Ok
4	SSTDICC010	BF138682.D	30 Jul 2024 13:56	RC/JU	Ok,M
5	SSTDICC020	BF138683.D	30 Jul 2024 14:25	RC/JU	Ok
6	SSTDICCC040	BF138684.D	30 Jul 2024 14:56	RC/JU	Ok
7	SSTDICC050	BF138685.D	30 Jul 2024 15:27	RC/JU	Ok
8	SSTDICC060	BF138686.D	30 Jul 2024 15:58	RC/JU	Ok
9	SSTDICC080	BF138687.D	30 Jul 2024 16:29	RC/JU	Ok
10	SSTDICV040	BF138688.D	30 Jul 2024 17:55	RC/JU	Ok
11	PB162188BL	BF138689.D	30 Jul 2024 18:26	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081524

Review By	Jagrut	Review On	8/16/2024 10:58:33 AM				
Supervise By	mohammad	Supervise On	8/17/2024 2:51:27 AM				
SubDirectory	BF081524	HP Acquire Method	BNA_F			HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139011.D	15 Aug 2024 09:17	RC/JU	Ok
2	SSTDCCC040	BF139012.D	15 Aug 2024 09:47	RC/JU	Ok,M
3	PB162727BL	BF139013.D	15 Aug 2024 10:16	RC/JU	Ok
4	PB162590TB	BF139014.D	15 Aug 2024 10:46	RC/JU	Ok
5	PB162727BS	BF139015.D	15 Aug 2024 11:15	RC/JU	Ok,M
6	PB162682TB	BF139016.D	15 Aug 2024 11:45	RC/JU	Ok
7	PB162588TB	BF139017.D	15 Aug 2024 12:15	RC/JU	Ok
8	PB162683TB	BF139018.D	15 Aug 2024 12:45	RC/JU	Ok
9	PB162621TB	BF139019.D	15 Aug 2024 13:16	RC/JU	Ok
10	P3574-01	BF139020.D	15 Aug 2024 13:51	RC/JU	Ok
11	P3574-01MS	BF139021.D	15 Aug 2024 14:22	RC/JU	Ok,M
12	P3574-01MSD	BF139022.D	15 Aug 2024 14:52	RC/JU	Ok,M
13	P3574-02	BF139023.D	15 Aug 2024 15:23	RC/JU	Ok
14	DFTPP	BF139024.D	15 Aug 2024 16:00	RC/JU	Ok
15	SSTDCCC040	BF139025.D	15 Aug 2024 16:31	RC/JU	Ok,M
16	PB162688BL	BF139026.D	15 Aug 2024 17:03	RC/JU	Ok
17	P3580-03	BF139027.D	15 Aug 2024 17:37	RC/JU	Ok
18	P3580-04	BF139028.D	15 Aug 2024 18:08	RC/JU	Ok
19	P3580-05	BF139029.D	15 Aug 2024 18:40	RC/JU	Ok
20	P3580-06	BF139030.D	15 Aug 2024 19:11	RC/JU	Ok
21	P3580-07	BF139031.D	15 Aug 2024 19:41	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081524

Review By	Jagrut	Review On	8/16/2024 10:58:33 AM				
Supervise By	mohammad	Supervise On	8/17/2024 2:51:27 AM				
SubDirectory	BF081524	HP Acquire Method	BNA_F		HP Processing Method	bf073024	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3580-08	BF139032.D	15 Aug 2024 20:12	RC/JU	Ok
23	P3600-04	BF139033.D	15 Aug 2024 20:44	RC/JU	Ok,M
24	P3475-01	BF139034.D	15 Aug 2024 21:14	RC/JU	Ok
25	P3573-07	BF139035.D	15 Aug 2024 21:45	RC/JU	Ok
26	P3573-09	BF139036.D	15 Aug 2024 22:16	RC/JU	Ok
27	P3573-05	BF139037.D	15 Aug 2024 22:47	RC/JU	Ok
28	P3573-05MS	BF139038.D	15 Aug 2024 23:17	RC/JU	Ok,M
29	P3573-05MSD	BF139039.D	15 Aug 2024 23:47	RC/JU	Ok,M
30	P3485-01	BF139040.D	16 Aug 2024 00:18	RC/JU	Ok
31	P3485-01MS	BF139041.D	16 Aug 2024 00:48	RC/JU	Ok,M
32	P3485-01MSD	BF139042.D	16 Aug 2024 01:18	RC/JU	Ok,M
33	P3483-01	BF139043.D	16 Aug 2024 01:49	RC/JU	Ok,M
34	P3597-01	BF139044.D	16 Aug 2024 02:19	RC/JU	Ok,M
35	P3548-06RE	BF139045.D	16 Aug 2024 02:49	RC/JU	Confirms
36	P3548-12RE	BF139046.D	16 Aug 2024 03:20	RC/JU	Confirms
37	P3526-01	BF139047.D	16 Aug 2024 03:50	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081924

Review By	Jagrut	Review On	8/20/2024 8:53:23 AM				
Supervise By	mohammad	Supervise On	8/21/2024 1:24:27 AM				
SubDirectory	BF081924	HP Acquire Method	BNA_F			HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139064.D	19 Aug 2024 08:41	RC/JU	Ok
2	SSTDCCC040	BF139065.D	19 Aug 2024 09:41	RC/JU	Ok,M
3	PB162549BL	BF139066.D	19 Aug 2024 10:10	RC/JU	Ok
4	PB162553BL	BF139067.D	19 Aug 2024 10:40	RC/JU	Ok
5	P3390-03	BF139068.D	19 Aug 2024 11:16	RC/JU	Ok,M
6	P3390-03	BF139069.D	19 Aug 2024 11:46	RC/JU	Ok,M
7	P3390-09	BF139070.D	19 Aug 2024 12:32	RC/JU	Ok,M
8	P3390-09	BF139071.D	19 Aug 2024 13:02	RC/JU	Ok,M
9	PB162612BL	BF139072.D	19 Aug 2024 14:17	RC/JU	Ok
10	PB162612BS	BF139073.D	19 Aug 2024 14:46	RC/JU	Ok,M
11	PB162549BS	BF139074.D	19 Aug 2024 15:17	RC/JU	Ok,M
12	PB162688BS	BF139075.D	19 Aug 2024 15:47	RC/JU	Ok,M
13	SSTDCCC040	BF139076.D	19 Aug 2024 16:18	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082024

Review By	Jagrut	Review On	8/21/2024 10:35:25 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:52:09 AM		
SubDirectory	BF082024	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139077.D	20 Aug 2024 16:39	RC/JU	Ok
2	SSTDICC2.5	BF139078.D	20 Aug 2024 17:10	RC/JU	Ok
3	SSTDICC005	BF139079.D	20 Aug 2024 17:40	RC/JU	Ok,M
4	SSTDICC010	BF139080.D	20 Aug 2024 18:10	RC/JU	Ok
5	SSTDICC020	BF139081.D	20 Aug 2024 18:40	RC/JU	Ok
6	SSTDICCC040	BF139082.D	20 Aug 2024 19:10	RC/JU	Ok,M
7	SSTDICC050	BF139083.D	20 Aug 2024 19:41	RC/JU	Ok
8	SSTDICC060	BF139084.D	20 Aug 2024 20:11	RC/JU	Ok,M
9	SSTDICC080	BF139085.D	20 Aug 2024 20:41	RC/JU	Ok,M
10	SSTDICV040	BF139086.D	20 Aug 2024 21:41	RC/JU	Ok
11	PB162687BL	BF139087.D	20 Aug 2024 22:10	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM				
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM				
SubDirectory	BF082224	HP Acquire Method	BNA_F		HP Processing Method	bf082024	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139112.D	22 Aug 2024 09:55	RC/JU	Ok
2	SSTDCCC040	BF139113.D	22 Aug 2024 10:25	RC/JU	Ok
3	PB162782BL	BF139114.D	22 Aug 2024 10:54	RC/JU	Not Ok
4	PB162687BS	BF139115.D	22 Aug 2024 11:23	RC/JU	Ok,M
5	PB162687BSD	BF139116.D	22 Aug 2024 11:53	RC/JU	Ok,M
6	P3641-04	BF139117.D	22 Aug 2024 12:22	RC/JU	Ok,M
7	P3663-03	BF139118.D	22 Aug 2024 12:52	RC/JU	Ok,M
8	P3641-02	BF139119.D	22 Aug 2024 13:22	RC/JU	Ok,M
9	P3640-01	BF139120.D	22 Aug 2024 13:51	RC/JU	Not Ok
10	P3641-06	BF139121.D	22 Aug 2024 14:20	RC/JU	Ok,M
11	P3641-08	BF139122.D	22 Aug 2024 14:50	RC/JU	Ok,M
12	P3641-09	BF139123.D	22 Aug 2024 15:21	RC/JU	Ok,M
13	P3641-10	BF139124.D	22 Aug 2024 15:51	RC/JU	Ok,M
14	P3641-01	BF139125.D	22 Aug 2024 16:21	RC/JU	Ok,M
15	P3663-09	BF139126.D	22 Aug 2024 16:51	RC/JU	Ok,M
16	P3663-11	BF139127.D	22 Aug 2024 17:21	RC/JU	Ok,M
17	P3663-12	BF139128.D	22 Aug 2024 17:51	RC/JU	Ok,M
18	P3641-03	BF139129.D	22 Aug 2024 18:21	RC/JU	Dilution
19	P3660-03DL	BF139130.D	22 Aug 2024 18:50	RC/JU	Ok,M
20	P3660-04DL	BF139131.D	22 Aug 2024 19:20	RC/JU	Ok,M
21	P3663-10DL	BF139132.D	22 Aug 2024 19:50	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM		
SubDirectory	BF082224	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3641-05	BF139133.D	22 Aug 2024 20:20	RC/JU	Ok,M
23	P3641-07	BF139134.D	22 Aug 2024 20:50	RC/JU	Ok,M
24	P3671-12	BF139135.D	22 Aug 2024 21:20	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021480.D	13 Aug 2024 11:49	RC/JU	Ok
2	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32	RC/JU	Ok
3	SSTDICC005	BP021482.D	13 Aug 2024 13:15	RC/JU	Ok,M
4	SSTDICC010	BP021483.D	13 Aug 2024 13:59	RC/JU	Ok,M
5	SSTDICC020	BP021484.D	13 Aug 2024 14:42	RC/JU	Ok,M
6	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	RC/JU	Ok,M
7	SSTDICC050	BP021486.D	13 Aug 2024 16:09	RC/JU	Ok,M
8	SSTDICC060	BP021487.D	13 Aug 2024 16:53	RC/JU	Ok,M
9	SSTDICC080	BP021488.D	13 Aug 2024 17:36	RC/JU	Ok,M
10	SSTDICV040	BP021489.D	13 Aug 2024 19:03	RC/JU	Ok,M
11	PB162612TB	BP021490.D	13 Aug 2024 19:46	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081524

Review By	Jagrut	Review On	8/16/2024 9:58:34 AM				
Supervise By	mohammad	Supervise On	8/17/2024 2:51:46 AM				
SubDirectory	BP081524	HP Acquire Method	BNA_P		HP Processing Method	BP081324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021505.D	15 Aug 2024 08:28	RC/JU	Ok
2	SSTDCCC040	BP021506.D	15 Aug 2024 09:10	RC/JU	Ok,M
3	PB162549BL	BP021507.D	15 Aug 2024 09:52	RC/JU	Ok
4	PB162553BL	BP021508.D	15 Aug 2024 10:34	RC/JU	Ok
5	P3390-03	BP021509.D	15 Aug 2024 11:18	RC/JU	Ok
6	P3390-03	BP021510.D	15 Aug 2024 12:00	RC/JU	Ok,M
7	P3390-09	BP021511.D	15 Aug 2024 12:43	RC/JU	Ok,M
8	P3390-09	BP021512.D	15 Aug 2024 13:26	RC/JU	Ok
9	SSTDCCC040	BP021513.D	15 Aug 2024 14:09	RC/JU	Ok,M
10	DFTPP	BP021514.D	15 Aug 2024 14:54	RC/JU	Ok
11	SSTDCCC040	BP021515.D	15 Aug 2024 15:37	RC/JU	Ok,M
12	PB162688BL	BP021516.D	15 Aug 2024 16:19	RC/JU	Not Ok
13	P3573-12	BP021517.D	15 Aug 2024 17:09	RC/JU	Ok
14	P3582-07	BP021518.D	15 Aug 2024 17:53	RC/JU	Ok
15	P3582-02	BP021519.D	15 Aug 2024 18:37	RC/JU	Ok
16	P3582-04	BP021520.D	15 Aug 2024 19:20	RC/JU	Ok
17	P3582-03	BP021521.D	15 Aug 2024 20:03	RC/JU	Ok
18	P3573-06	BP021522.D	15 Aug 2024 20:47	RC/JU	Ok
19	P3573-08	BP021523.D	15 Aug 2024 21:30	RC/JU	Ok
20	P3573-10	BP021524.D	15 Aug 2024 22:14	RC/JU	Ok
21	P3607-01	BP021525.D	15 Aug 2024 22:57	RC/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081524

Review By	Jagrut	Review On	8/16/2024 9:58:34 AM				
Supervise By	mohammad	Supervise On	8/17/2024 2:51:46 AM				
SubDirectory	BP081524	HP Acquire Method	BNA_P		HP Processing Method	BP081324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3607-01MS	BP021526.D	15 Aug 2024 23:41	RC/JU	Ok,M
23	P3607-01MSD	BP021527.D	16 Aug 2024 00:24	RC/JU	Ok,M
24	P3579-02	BP021528.D	16 Aug 2024 01:07	RC/JU	Ok,M
25	P3598-01	BP021529.D	16 Aug 2024 01:51	RC/JU	Ok
26	P3598-03	BP021530.D	16 Aug 2024 02:34	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF073024

Review By	yogesh	Review On	7/31/2024 6:39:45 AM		
Supervise By	mohammad	Supervise On	7/31/2024 8:08:34 AM		
SubDirectory	BF073024	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12036 10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF138679.D	30 Jul 2024 12:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF138680.D	30 Jul 2024 12:54		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF138681.D	30 Jul 2024 13:25	Compound#32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF138682.D	30 Jul 2024 13:56		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF138683.D	30 Jul 2024 14:25	Comopund#41 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF138684.D	30 Jul 2024 14:56	The calibration is good for 8270 DOD & 625.1	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF138685.D	30 Jul 2024 15:27		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF138686.D	30 Jul 2024 15:58	Compound#9 removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF138687.D	30 Jul 2024 16:29	Compound#9,77 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF073024	BF138688.D	30 Jul 2024 17:55		RC/JU	Ok
11	PB162188BL	PB162188BL	BF138689.D	30 Jul 2024 18:26		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081524

Review By	Jagrut	Review On	8/16/2024 10:58:33 AM		
Supervise By	mohammad	Supervise On	8/17/2024 2:51:27 AM		
SubDirectory	BF081524	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139011.D	15 Aug 2024 09:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139012.D	15 Aug 2024 09:47		RC/JU	Ok,M
3	PB162727BL	PB162727BL	BF139013.D	15 Aug 2024 10:16		RC/JU	Ok
4	PB162590TB	PB162590TB	BF139014.D	15 Aug 2024 10:46		RC/JU	Ok
5	PB162727BS	PB162727BS	BF139015.D	15 Aug 2024 11:15		RC/JU	Ok,M
6	PB162682TB	PB162682TB	BF139016.D	15 Aug 2024 11:45		RC/JU	Ok
7	PB162588TB	PB162588TB	BF139017.D	15 Aug 2024 12:15		RC/JU	Ok
8	PB162683TB	PB162683TB	BF139018.D	15 Aug 2024 12:45		RC/JU	Ok
9	PB162621TB	PB162621TB	BF139019.D	15 Aug 2024 13:16		RC/JU	Ok
10	P3574-01	WC-S-06-202408	BF139020.D	15 Aug 2024 13:51		RC/JU	Ok
11	P3574-01MS	WC-S-06-202408MS	BF139021.D	15 Aug 2024 14:22		RC/JU	Ok,M
12	P3574-01MSD	WC-S-06-202408MSD	BF139022.D	15 Aug 2024 14:52		RC/JU	Ok,M
13	P3574-02	WC-W-06-202408	BF139023.D	15 Aug 2024 15:23		RC/JU	Ok
14	DFTPP	DFTPP	BF139024.D	15 Aug 2024 16:00		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139025.D	15 Aug 2024 16:31		RC/JU	Ok,M
16	PB162688BL	PB162688BL	BF139026.D	15 Aug 2024 17:03		RC/JU	Ok
17	P3580-03	925-K1-SD-0-0.5-08122	BF139027.D	15 Aug 2024 17:37		RC/JU	Ok
18	P3580-04	925-K1-SD-0.5-1-08122	BF139028.D	15 Aug 2024 18:08		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081524

Review By	Jagrut	Review On	8/16/2024 10:58:33 AM		
Supervise By	mohammad	Supervise On	8/17/2024 2:51:27 AM		
SubDirectory	BF081524	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3580-05	923-K1-SD-0-0.5-08122	BF139029.D	15 Aug 2024 18:40		RC/JU	Ok
20	P3580-06	923-K1-SD-0.5-1-08122	BF139030.D	15 Aug 2024 19:11		RC/JU	Ok
21	P3580-07	922-K1-SD-0-0.5-08122	BF139031.D	15 Aug 2024 19:41		RC/JU	Ok
22	P3580-08	922-K1-SD-0.5-1-08122	BF139032.D	15 Aug 2024 20:12		RC/JU	Ok
23	P3600-04	VCPS-B3-081324-0-10	BF139033.D	15 Aug 2024 20:44		RC/JU	Ok,M
24	P3475-01	S-866-N-SO-0-0.5-0805	BF139034.D	15 Aug 2024 21:14		RC/JU	Ok
25	P3573-07	S-856-J-SO-1.5-2-0809	BF139035.D	15 Aug 2024 21:45		RC/JU	Ok
26	P3573-09	S-856-J-SO-3-3.5-0809	BF139036.D	15 Aug 2024 22:16		RC/JU	Ok
27	P3573-05	S-856-J-SO-1-1.5-0809	BF139037.D	15 Aug 2024 22:47		RC/JU	Ok
28	P3573-05MS	S-856-J-SO-1-1.5-0809	BF139038.D	15 Aug 2024 23:17		RC/JU	Ok,M
29	P3573-05MSD	S-856-J-SO-1-1.5-0809	BF139039.D	15 Aug 2024 23:47		RC/JU	Ok,M
30	P3485-01	C-SOIL	BF139040.D	16 Aug 2024 00:18		RC/JU	Ok
31	P3485-01MS	C-SOILMS	BF139041.D	16 Aug 2024 00:48		RC/JU	Ok,M
32	P3485-01MSD	C-SOILMSD	BF139042.D	16 Aug 2024 01:18		RC/JU	Ok,M
33	P3483-01	A-TOPSOIL	BF139043.D	16 Aug 2024 01:49	Parameter list is not updated	RC/JU	Ok,M
34	P3597-01	SP-1-COMP	BF139044.D	16 Aug 2024 02:19		RC/JU	Ok,M
35	P3548-06RE	343RE	BF139045.D	16 Aug 2024 02:49	Fax is already given	RC/JU	Confirms
36	P3548-12RE	IN-SITU-SOILRE	BF139046.D	16 Aug 2024 03:20	Fax is already given	RC/JU	Confirms
37	P3526-01	SP-1-COMP	BF139047.D	16 Aug 2024 03:50		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081524

Review By	Jagrut	Review On	8/16/2024 10:58:33 AM		
Supervise By	mohammad	Supervise On	8/17/2024 2:51:27 AM		
SubDirectory	BF081524	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081924

Review By	Jagrut	Review On	8/20/2024 8:53:23 AM		
Supervise By	mohammad	Supervise On	8/21/2024 1:24:27 AM		
SubDirectory	BF081924	HP Acquire Method	BNA_F	HP Processing Method	bf073024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557
CCC	SP6553
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139064.D	19 Aug 2024 08:41		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139065.D	19 Aug 2024 09:41		RC/JU	Ok,M
3	PB162549BL	PB162549BL	BF139066.D	19 Aug 2024 10:10		RC/JU	Ok
4	PB162553BL	PB162553BL	BF139067.D	19 Aug 2024 10:40		RC/JU	Ok
5	P3390-03	MDL-SOIL-03-QT3-202	BF139068.D	19 Aug 2024 11:16	MDL-SOIL-4 ppm	RC/JU	Ok,M
6	P3390-03	MDL-SOIL-03-QT3-202	BF139069.D	19 Aug 2024 11:46	MDL-SOIL-8 ppm	RC/JU	Ok,M
7	P3390-09	MDL-WATER-03-QT3-2	BF139070.D	19 Aug 2024 12:32	MDL-WATER-4 ppm	RC/JU	Ok,M
8	P3390-09	MDL-WATER-03-QT3-2	BF139071.D	19 Aug 2024 13:02	MDL-WATER-8 ppm	RC/JU	Ok,M
9	PB162612BL	PB162612BL	BF139072.D	19 Aug 2024 14:17		RC/JU	Ok
10	PB162612BS	PB162612BS	BF139073.D	19 Aug 2024 14:46		RC/JU	Ok,M
11	PB162549BS	PB162549BS	BF139074.D	19 Aug 2024 15:17		RC/JU	Ok,M
12	PB162688BS	PB162688BS	BF139075.D	19 Aug 2024 15:47		RC/JU	Ok,M
13	SSTDCCC040	SSTDCCC040EC	BF139076.D	19 Aug 2024 16:18		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082024

Review By	Jagrut	Review On	8/21/2024 10:35:25 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:52:09 AM		
SubDirectory	BF082024	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139077.D	20 Aug 2024 16:39		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139078.D	20 Aug 2024 17:10		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139079.D	20 Aug 2024 17:40	Compound #9,32,54,56,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF139080.D	20 Aug 2024 18:10	Com#26 and 48 Fail for %RE Criteria in the Calibration.	RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139081.D	20 Aug 2024 18:40	Compound #26,32,40,48,51,53,57,62,92 Kept on LR and Compound #54,65 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139082.D	20 Aug 2024 19:10	The Calibration is Good For 8270 E NON-DOD except com#26 and 48 and good for 625.1 Method for all compounds.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139083.D	20 Aug 2024 19:41		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF139084.D	20 Aug 2024 20:11		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139085.D	20 Aug 2024 20:41	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF082024	BF139086.D	20 Aug 2024 21:41		RC/JU	Ok
11	PB162687BL	PB162687BL	BF139087.D	20 Aug 2024 22:10		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM		
SubDirectory	BF082224	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF139112.D	22 Aug 2024 09:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139113.D	22 Aug 2024 10:25		RC/JU	Ok
3	PB162782BL	PB162782BL	BF139114.D	22 Aug 2024 10:54	Analyzed for contamination check	RC/JU	Not Ok
4	PB162687BS	PB162687BS	BF139115.D	22 Aug 2024 11:23		RC/JU	Ok,M
5	PB162687BSD	PB162687BSD	BF139116.D	22 Aug 2024 11:53		RC/JU	Ok,M
6	P3641-04	S-908-K1-0.5-1.0-0815	BF139117.D	22 Aug 2024 12:22		RC/JU	Ok,M
7	P3663-03	914-J-SD-0-0.5-081624	BF139118.D	22 Aug 2024 12:52		RC/JU	Ok,M
8	P3641-02	S-907-K1-0.5-1.0-0815	BF139119.D	22 Aug 2024 13:22		RC/JU	Ok,M
9	P3640-01	SP-1-COMP	BF139120.D	22 Aug 2024 13:51	Com#26 and 48 Fail for %RE Criteria in the Calibration.	RC/JU	Not Ok
10	P3641-06	S-909-K1-0.5-1.0-0815	BF139121.D	22 Aug 2024 14:20	SIM Analysis not required	RC/JU	Ok,M
11	P3641-08	S-910-K1-0-0.5-081524	BF139122.D	22 Aug 2024 14:50	FD,Sim Analysis Not Required	RC/JU	Ok,M
12	P3641-09	S-910-K1-0.5-1.0-0815	BF139123.D	22 Aug 2024 15:21	Sim Analysis not required	RC/JU	Ok,M
13	P3641-10	S-910-K1-0.5-1.0-0815	BF139124.D	22 Aug 2024 15:51	Sim Analysis not required	RC/JU	Ok,M
14	P3641-01	S-907-K1-0-0.5-081524	BF139125.D	22 Aug 2024 16:21		RC/JU	Ok,M
15	P3663-09	915-J-SD-0-0.5-081624	BF139126.D	22 Aug 2024 16:51	SIM Analysis not required	RC/JU	Ok,M
16	P3663-11	919-J-SD-0-0.5-1-0816	BF139127.D	22 Aug 2024 17:21	SIM Analysis not required	RC/JU	Ok,M
17	P3663-12	919-J-SD-0.5-1-081624	BF139128.D	22 Aug 2024 17:51		RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF082224

Review By	yogesh	Review On	8/23/2024 6:48:24 AM		
Supervise By	mohammad	Supervise On	8/23/2024 6:56:56 AM		
SubDirectory	BF082224	HP Acquire Method	BNA_F	HP Processing Method	bf082024

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3641-03	S-908-K1-0-0.5-081524	BF139129.D	22 Aug 2024 18:21	Need 5X Dilution, SIM Analysis not required	RC/JU	Dilution
19	P3660-03DL	S-902-J-0-0.5-081624D	BF139130.D	22 Aug 2024 18:50		RC/JU	Ok,M
20	P3660-04DL	S-902-J-0.5-1-081624D	BF139131.D	22 Aug 2024 19:20		RC/JU	Ok,M
21	P3663-10DL	915-J-SD-0.5-1-081624	BF139132.D	22 Aug 2024 19:50		RC/JU	Ok,M
22	P3641-05	S-909-K1-0-0.5-081524	BF139133.D	22 Aug 2024 20:20	SIM Analysis not required	RC/JU	Ok,M
23	P3641-07	S-910-K1-0-0.5-081524	BF139134.D	22 Aug 2024 20:50	Sim Analysis not required	RC/JU	Ok,M
24	P3671-12	S-903-J-SO-0.5-1.0-08	BF139135.D	22 Aug 2024 21:20		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021480.D	13 Aug 2024 11:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP021482.D	13 Aug 2024 13:15	Compound #32,54,56,65,70,77,85 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP021483.D	13 Aug 2024 13:59		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP021484.D	13 Aug 2024 14:42	Compound #48,51,53,56,57,62,80,85 Kept on LR and Compound #26,32,54,65,77 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	The Calibration is Good For 8270 DOD except com#32,77 and good for 8270E	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP021486.D	13 Aug 2024 16:09		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP021487.D	13 Aug 2024 16:53		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP021488.D	13 Aug 2024 17:36	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBP081324	BP021489.D	13 Aug 2024 19:03	Com#32 and 77 failed in ICV for 8270 DOD Criteria	RC/JU	Ok,M
11	PB162612TB	PB162612TB	BP021490.D	13 Aug 2024 19:46	Already analyzed with ok status	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081524

Review By	Jagrut	Review On	8/16/2024 9:58:34 AM		
Supervise By	mohammad	Supervise On	8/17/2024 2:51:46 AM		
SubDirectory	BP081524	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021505.D	15 Aug 2024 08:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP021506.D	15 Aug 2024 09:10		RC/JU	Ok,M
3	PB162549BL	PB162549BL	BP021507.D	15 Aug 2024 09:52		RC/JU	Ok
4	PB162553BL	PB162553BL	BP021508.D	15 Aug 2024 10:34		RC/JU	Ok
5	P3390-03	MDL-SOIL-03-QT3-202	BP021509.D	15 Aug 2024 11:18	MDL-SOIL-4 ppm	RC/JU	Ok
6	P3390-03	MDL-SOIL-03-QT3-202	BP021510.D	15 Aug 2024 12:00	MDL-SOIL-8 ppm	RC/JU	Ok,M
7	P3390-09	MDL-WATER-03-QT3-2	BP021511.D	15 Aug 2024 12:43	MDL-WATER-4 ppm	RC/JU	Ok,M
8	P3390-09	MDL-WATER-03-QT3-2	BP021512.D	15 Aug 2024 13:26	MDL-WATER-8 ppm	RC/JU	Ok
9	SSTDCCC040	SSTDCCC040EC	BP021513.D	15 Aug 2024 14:09		RC/JU	Ok,M
10	DFTPP	DFTPP	BP021514.D	15 Aug 2024 14:54		RC/JU	Ok
11	SSTDCCC040	SSTDCCC040	BP021515.D	15 Aug 2024 15:37		RC/JU	Ok,M
12	PB162688BL	PB162688BL	BP021516.D	15 Aug 2024 16:19	Not Used	RC/JU	Not Ok
13	P3573-12	EB-01-080924	BP021517.D	15 Aug 2024 17:09		RC/JU	Ok
14	P3582-07	EB-01-081224	BP021518.D	15 Aug 2024 17:53		RC/JU	Ok
15	P3582-02	S-855-J-SO-1.5-2-0812	BP021519.D	15 Aug 2024 18:37		RC/JU	Ok
16	P3582-04	S-855-J-SO-3-3.5-0812	BP021520.D	15 Aug 2024 19:20		RC/JU	Ok
17	P3582-03	S-855-J-SO-2-2.5-0812	BP021521.D	15 Aug 2024 20:03		RC/JU	Ok
18	P3573-06	S-856-J-SO-1-1.5-0809	BP021522.D	15 Aug 2024 20:47		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081524

Review By	Jagrut	Review On	8/16/2024 9:58:34 AM		
Supervise By	mohammad	Supervise On	8/17/2024 2:51:46 AM		
SubDirectory	BP081524	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3573-08	S-856-J-SO-2-2.5-0809	BP021523.D	15 Aug 2024 21:30		RC/JU	Ok
20	P3573-10	S-856-J-SO-4-4.5-0809	BP021524.D	15 Aug 2024 22:14		RC/JU	Ok
21	P3607-01	NB-08-08142024	BP021525.D	15 Aug 2024 22:57		RC/JU	Ok,M
22	P3607-01MS	NB-08-08142024MS	BP021526.D	15 Aug 2024 23:41		RC/JU	Ok,M
23	P3607-01MSD	NB-08-08142024MSD	BP021527.D	16 Aug 2024 00:24		RC/JU	Ok,M
24	P3579-02	VCPS-B1-081224-0-16	BP021528.D	16 Aug 2024 01:07		RC/JU	Ok,M
25	P3598-01	JC-03-081324-A	BP021529.D	16 Aug 2024 01:51		RC/JU	Ok
26	P3598-03	JC-03-081324-B	BP021530.D	16 Aug 2024 02:34		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 08/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131957

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
P3361-06	VHBLK001	1	1.00	1.00	2.00	2.00	100.0	
P3406-04	D3614	2	1.00	1.00	2.00	2.00	100.0	debris
P3406-05	CONCRETE-PADS	3	1.00	1.00	2.00	2.00	100.0	CONCRETE-PADS
P3550-08	R061-B1	4	1.12	8.77	9.89	8.98	89.6	
P3573-01	S-858-KI-S0-2-2.5-080924	5	1.15	8.75	9.9	8.37	82.5	
P3573-02	S-859-KI-S0-2-2.5-080924	6	1.15	8.83	9.98	8.49	83.1	
P3573-03	S-859-KI-S0-2-2.5-080924-FD	7	1.15	8.42	9.57	8.15	83.1	
P3573-04	S-860-KI-S0-2-2.5-080924	8	1.15	8.76	9.91	8.53	84.2	
P3573-05	S-856-J-S0-1-1.5-080924	9	1.12	8.50	9.62	7.96	80.5	
P3573-06	S-856-J-S0-1-1.5-080924-FD	10	1.15	8.84	9.99	8.44	82.5	
P3573-07	S-856-J-S0-1.5-2-080924	11	1.15	8.51	9.66	8.00	80.5	
P3573-08	S-856-J-S0-2-2.5-080924	12	1.18	8.79	9.97	8.23	80.2	
P3573-09	S-856-J-S0-3-3.5-080924	13	1.15	8.82	9.97	8.27	80.7	
P3573-10	S-856-J-S0-4-4.5-080924	14	1.19	8.72	9.91	7.45	71.8	
P3577-01	OILY-DEBRIS	15	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 131957

WorkList Name : %1-081224 **WorkList ID :** 182547 **Department :** Wet-Chemistry **Date :** 08-12-2024 07:39:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3361-06	VHBLK001	Solid	Percent Solids	Cool 4 deg C	USEP04	C12	07/25/2024	Chemtech -SO
P3406-04	D3614	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/30/2024	Chemtech -SO
P3406-05	CONCRETE-PADS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/30/2024	Chemtech -SO
P3550-08	R061-B1	Solid	Percent Solids	Cool 4 deg C	ATCE02	D21	08/09/2024	Chemtech -SO
P3573-01	S-858-KI-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-02	S-859-KI-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-03	S-859-KI-S0-2-2.5-080924-FD	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-04	S-860-KI-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-05	S-856-J-S0-1-1.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-06	S-856-J-S0-1-1.5-080924-FD	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-07	S-856-J-S0-1.5-2-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-08	S-856-J-S0-2-2.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-09	S-856-J-S0-3-3.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3573-10	S-856-J-S0-4-4.5-080924	Solid	Percent Solids	Cool 4 deg C	JACO05	D11	08/09/2024	Chemtech -SO
P3577-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/12/2024	Chemtech -SO

Date/Time 08/12/24 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/12/24 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162687

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/13/2024
Matrix :	Water			**Extraction Start Time :**	08:33
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	08/13/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	15:10
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

Extraction Method: ☑ Seperatory Funne ☐ 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	SP6604
Surrogate	1.0ML	100/150 PPM	SP6524
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
Methylene Chloride	N/A	E3787
Baked Na2SO4	N/A	EP2521
10N NaoH	N/A	EP2514
H2SO4 1:1	N/A	EP2499
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.p H Adjusted<2 with1:1 H2SO4 &>11 with 10 N NaOH. P3582-07 Added in batch at 10:20.

KD Bath ID:	Water bath -01	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/24	RP (Spot Lab)	RC/SVOC
15:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162687

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 08/13/2024

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162687BL	SBLK687	SVOCMS Group2	1000	6	RUPESH	rajesh	1			SEP-01
PB162687BS	SLCS687	SVOCMS Group2	1000	6	RUPESH	rajesh	1			2
PB162687BSD	SLCSD687	SVOCMS Group2	1000	6	RUPESH	rajesh	1			3
P3536-01	MANHOLE	SVOCMS Group1	990	6	RUPESH	rajesh	1	H		4
P3573-12	EB-01-080924	SVOCMS Group2	1000	6	RUPESH	rajesh	1	C		5
P3582-07	EB-01-081224	SVOCMS Group2	1000	6	RUPESH	rajesh	1	A		6

* **Extracts relinguished on the same date as received.**

8/13/24

G2667
8:33

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3573S **WorkList ID :** 182586 **Department :** Extraction **Date :** 08-13-2024 08:25:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3536-01	MANHOLE	Water	SVOCMS Group1	Cool 4 deg C	SPEC01	D21	08/08/2024	8270E
P3573-12	EB-01-080924	Water	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E

Date/Time 08/13/24 8:30
Raw Sample Received by: RP (Eet Lab
Raw Sample Relinquished by: K. C (Jan)

Date/Time 08/13/24 8:55
Raw Sample Received by: K. C (Jan)
Raw Sample Relinquished by: RP (Eet Lab

182603
10:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3582 **WorkList ID :** 182603 **Department :** Extraction **Date :** 08-13-2024 10:20:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3582-07	EB-01-081224	Water	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E

Date/Time 08/13/24 10:20
Raw Sample Received by: RP (Sat 24hr)
Raw Sample Relinquished by: CP

Date/Time 08/13/24 10:35
Raw Sample Received by: CP
Raw Sample Relinquished by: RP (Sat 24hr)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162688

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/13/2024
Matrix :	Solid			**Extraction Start Time :**	08:30
Weigh By:	EH	**Extraction By:**	RS	**Extraction End Date :**	08/13/2024
Balance check:	RS	**Filter By:**	RS	**Extraction End Time :**	13:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

Extraction Method: ☐ Seperatory Funne ☐ 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	SP6604
Surrogate	1.0ML	100/150 PPM	SP6524
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	EP2511
Baked Na2SO4	N/A	EP2521
Sand	N/A	E2865
Methylene Chloride	N/A	E3787
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. P3580,3582 Added in batch at 10:11.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/24	RP (Soil Lab)	RC/SVOC
13:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162688

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 08/13/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162688BL	SBLK688	SVOCMS Group2	30.02	N/A	RUPESH	Evelyn	1			U4-1
PB162688BS	SLCS688	SVOCMS Group2	30.01	N/A	RUPESH	Evelyn	1			2
P3573-05	S-856-J-S0-1-1.5-080924	SVOCMS Group2	30.04	N/A	RUPESH	Evelyn	1			3
P3573-05MS	S-856-J-S0-1-1.5-080924MS	SVOCMS Group2	30.09	N/A	RUPESH	Evelyn	1			4
P3573-05MSD	S-856-J-S0-1-1.5-080924MSD	SVOCMS Group2	30.07	N/A	RUPESH	Evelyn	1			5
P3573-06	S-856-J-S0-1-1.5-080924-FD	SVOCMS Group2	30.03	N/A	RUPESH	Evelyn	1			6
P3573-07	S-856-J-S0-1.5-2-080924	SVOCMS Group2	30.08	N/A	RUPESH	Evelyn	1			U5-1
P3573-08	S-856-J-S0-2-2.5-080924	SVOCMS Group2	30.10	N/A	RUPESH	Evelyn	1			2
P3573-09	S-856-J-S0-3-3.5-080924	SVOCMS Group2	30.08	N/A	RUPESH	Evelyn	1			3
P3573-10	S-856-J-S0-4-4.5-080924	SVOCMS Group2	30.06	N/A	RUPESH	Evelyn	1			4
P3580-01	926-KI-SD-0-0.5-081224	SVOCMS Group5	30.04	N/A	RUPESH	Evelyn	1	C		5
P3580-02	926-KI-SD-0.5-1-081224	SVOCMS Group5	30.05	N/A	RUPESH	Evelyn	1	C		6
P3580-03	925-KI-SD-0-0.5-081224	SVOCMS Group5	30.07	N/A	RUPESH	Evelyn	1	C		U6-1
P3580-04	925-KI-SD-0.5-1-081224	SVOCMS Group5	30.01	N/A	RUPESH	Evelyn	1	C		2
P3580-05	923-KI-SD-0-0.5-081224	SVOCMS Group5	30.03	N/A	RUPESH	Evelyn	1	C		3
P3580-06	923-KI-SD-0.5-1-081224	SVOCMS Group5	30.05	N/A	RUPESH	Evelyn	1	C		4
P3580-07	922-KI-SD-0-0.5-081224	SVOCMS Group5	30.02	N/A	RUPESH	Evelyn	1	C		5
P3580-08	922-KI-SD-0.5-1-081224	SVOCMS Group5	30.08	N/A	RUPESH	Evelyn	1	C		6
P3582-01	S-855-J-SO-1-1.5-081224	SVOCMS Group2	30.04	N/A	RUPESH	Evelyn	1	A		U7-1
P3582-02	S-855-J-SO-1.5-2-081224	SVOCMS Group2	30.07	N/A	RUPESH	Evelyn	1			2
P3582-03	S-855-J-SO-2-2.5-081224	SVOCMS Group2	30.06	N/A	RUPESH	Evelyn	1			3
P3582-04	S-855-J-SO-3-3.5-081224	SVOCMS Group2	30.03	N/A	RUPESH	Evelyn	1			4
P3582-05	S-855-J-SO-4-4.5-081224	SVOCMS Group2	30.08	N/A	RUPESH	Evelyn	1			5
P3582-06	S-855-J-SO-1.5-2-081224-FD	SVOCMS Group2	30.05	N/A	RUPESH	Evelyn	1			6

* **Extracts relinquished on the same date as received.**

8/13/24

182596

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3580 **WorkList ID :** 182596 **Department :** Extraction **Date :** 08-13-2024 10:11:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3580-01	926-KI-SD-0-0.5-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-02	926-KI-SD-0.5-1-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-03	925-KI-SD-0-0.5-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-04	925-KI-SD-0.5-1-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-05	923-KI-SD-0-0.5-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-06	923-KI-SD-0.5-1-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-07	922-KI-SD-0-0.5-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3580-08	922-KI-SD-0.5-1-081224	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3582-01	S-855-J-SO-1-1.5-081224	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3582-02	S-855-J-SO-1.5-2-081224	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3582-03	S-855-J-SO-2-2.5-081224	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3582-04	S-855-J-SO-3-3.5-081224	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3582-05	S-855-J-SO-4-4.5-081224	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E
P3582-06	S-855-J-SO-1.5-2-081224-FD	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D21	08/12/2024	8270E

Date/Time 08/13/24 10:11

Raw Sample Received by: RS (Geo Tech)

Raw Sample Relinquished by: K. C (Sun)

Date/Time 08/13/24 10:35

Raw Sample Received by: K. C (Sun)

Raw Sample Relinquished by: RS (Geo Tech)

182584
8:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3573 **WorkList ID :** 182584 **Department :** Extraction **Date :** 08-13-2024 08:23:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3573-05	S-856-J-S0-1-1.5-080924	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E
P3573-06	S-856-J-S0-1-1.5-080924-FD	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E
P3573-07	S-856-J-S0-1.5-2-080924	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E
P3573-08	S-856-J-S0-2-2.5-080924	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E
P3573-09	S-856-J-S0-3-3.5-080924	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E
P3573-10	S-856-J-S0-4-4.5-080924	Solid	SVOCMS Group2	Cool 4 deg C	JACO05	D11	08/09/2024	8270E

Date/Time 08/13/24 8:25
Raw Sample Received by: RS (Sax Log)
Raw Sample Relinquished by: J.C (Sun)

Date/Time 08/13/24 8:55
Raw Sample Received by: J.C (Sun)
Raw Sample Relinquished by: RS (Cat Log)

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Prep Standard - Chemical Standard Summary

Order ID : P3573

Test : SVOCMS Group2

Prepbatch ID : PB162687,PB162688,

Sequence ID/Qc Batch ID: BF081524,BF081924,BF082024,Bf082224,BP081524,

Standard ID :
EP2499,EP2511,EP2514,EP2521,SP6524,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3657,E3744,E3746,E3768,E3769,E3780,E3786,E3787,M5037,S10102,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11092,S11093,S11096,S11097,S11102,S11103,S11138,S11141,S11148,S11434,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12041,S12076,S12077,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12449,S12450,S12451,S12452,S12453,W2606,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2499	06/17/2024	10/24/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 06/17/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W2606 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2511	07/12/2024	01/08/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 07/12/2024

FROM 8000.00000ml of E3768 + 8000.00000ml of E3769 = Final Quantity: 16000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2514	07/17/2024	01/17/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 07/17/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2521	08/10/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/10/2024

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	SP6524	05/31/2024	11/29/2024	Jagrut Upadhyay	None	None	Yogesh Patel 06/13/2024

FROM 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6549	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.26700ml of S10102 + 0.40000ml of S11434 + 0.50000ml of S12112 + 1.00000ml of S11092 + 1.00000ml of S11096 + 1.00000ml of S11102 + 1.00000ml of S11148 + 1.00000ml of S12076 + 3.83300ml of E3746 = 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	SP6550	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.20000ml of E3746 + 0.80000ml of SP6549 = 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	SP6551	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.40000ml of E3746 + 0.60000ml of SP6549 = 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	SP6552	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6549 = 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	SP6553	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3746 + 0.40000ml of SP6549 = 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	SP6554	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.80000ml of E3746 + 0.20000ml of SP6549 = 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	SP6555	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.90000ml of E3746 + 0.10000ml of SP6549 = 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	SP6556	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.95000ml of E3746 + 0.05000ml of SP6549 = 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	SP6557	07/09/2024	08/26/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/09/2024

FROM 0.01000ml of S12033 + 0.50000ml of E3746 + 0.50000ml of SP6556 = 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
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = 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
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6587	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 + 1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = 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	SP6588	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = 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	SP6589	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = 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	SP6590	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = 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	SP6591	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = 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	SP6592	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = 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	SP6593	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

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	SP6594	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = 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	SP6595	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6604	08/12/2024	10/26/2024	Rahul Chavli	None	None	Yogesh Patel 08/21/2024

FROM 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = Final Quantity: 200.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

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)	23H14626005	11/29/2024	05/29/2024 / Rajesh	05/23/2024 / Rajesh	E3744

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)	24C0162011	11/25/2024	05/25/2024 / Rajesh	05/08/2024 / Rajesh	E3746

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)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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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)	23H1462005	01/12/2025	07/12/2024 /	07/02/2024 / Rajesh	E3769

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)	23H1462005	02/10/2025	08/10/2024 / Rajesh	07/24/2024 / Rajesh	E3780

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)	24F1062004	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

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)	24G0862022	02/13/2025	08/13/2024 / Rajesh	08/07/2024 / Rajesh	E3787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

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	09/29/2024	03/29/2024 / Jagrut	12/09/2021 / Christian	S10102

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

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	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10973

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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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10974

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10975

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

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	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10997

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10998

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10999

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11000

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

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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]	A0193449	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

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	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11084

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	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11092

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

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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	01/09/2025	07/09/2024 / Jagrut	02/07/2023 / Christian	S11102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	01/09/2025	07/09/2024 / Jagrut	03/06/2023 / Christian	S11148

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	503442	08/26/2024	07/09/2024 / Jagrut	07/26/2023 / yogesh	S11434

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

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]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

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	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

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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	01/12/2025	07/12/2024 / Rahul	11/21/2023 / Rahul	S11767

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11768

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11769

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11770

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	A0201320	01/01/2025	07/01/2024 / Rahul	12/21/2023 / Rahul	S12033

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	A0201320	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

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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	A0201320	02/13/2025	08/13/2024 / anahy	12/21/2023 / Rahul	S12041

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	01/09/2025	07/09/2024 / Jagrut	01/31/2024 / Rahul	S12076

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	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

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]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12098

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12099

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12100

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12101

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12102

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12103

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12104

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

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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	01/09/2025	07/09/2024 / Jagrut	03/08/2024 / Rahul	S12112

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	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

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	01/10/2025 / Jagrut	03/15/2024 / Rahul	S12118

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12119

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12120

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12121

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	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12122

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12123

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12124

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12125

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12449

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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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12450

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12451

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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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

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S11084
to
S11088

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Certified By: _____
Jacob Mulloy
Chemist

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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

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

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S11089
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Certified By: _____
Shane Overcash
Chemist

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
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S11089
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Certified By: _____
Shane Overcash
Chemist

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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

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S9236
to
S9240

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

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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

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S9236
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Certified By: Erica Castiglione

Erica Castiglione
Chemist

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

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Briana Smith
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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

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Briana Smith
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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

Scott Hunter
Chemist

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

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02/07/23
by CG

S11101
to
S11103

*Not a certified value

S. Hunter

Certified By: _____

Scott Hunter
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Received on 03/18/22 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)

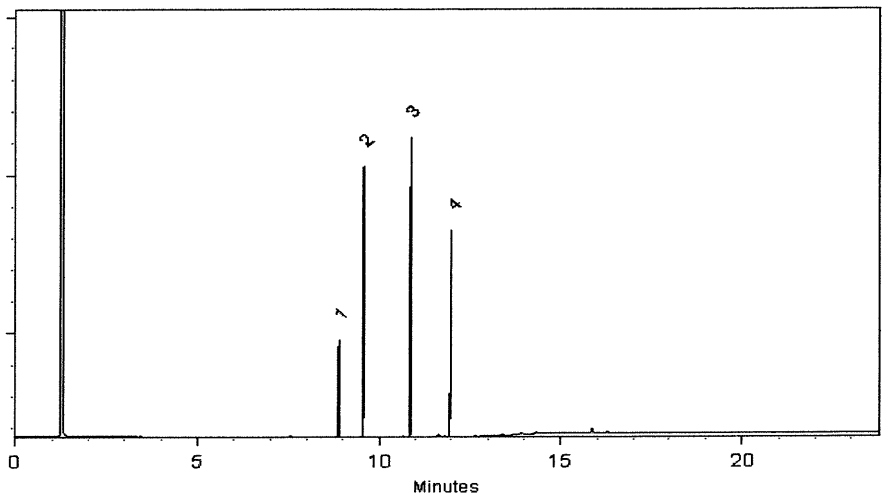
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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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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 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

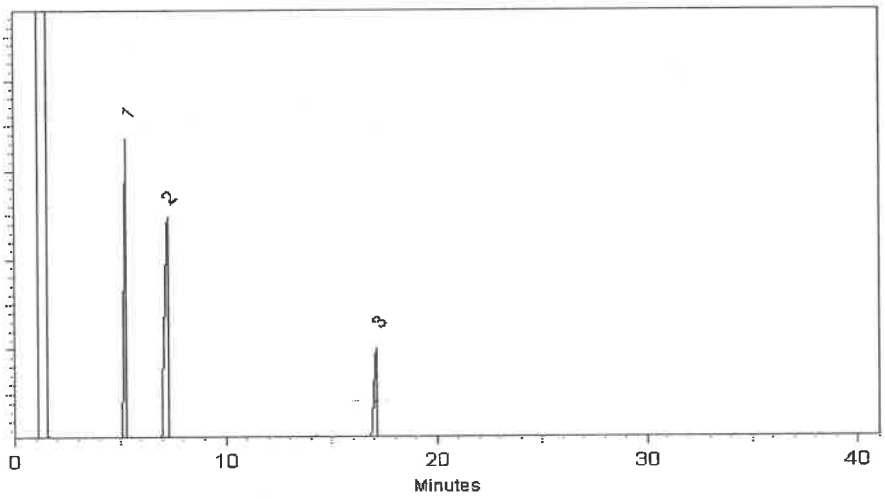
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

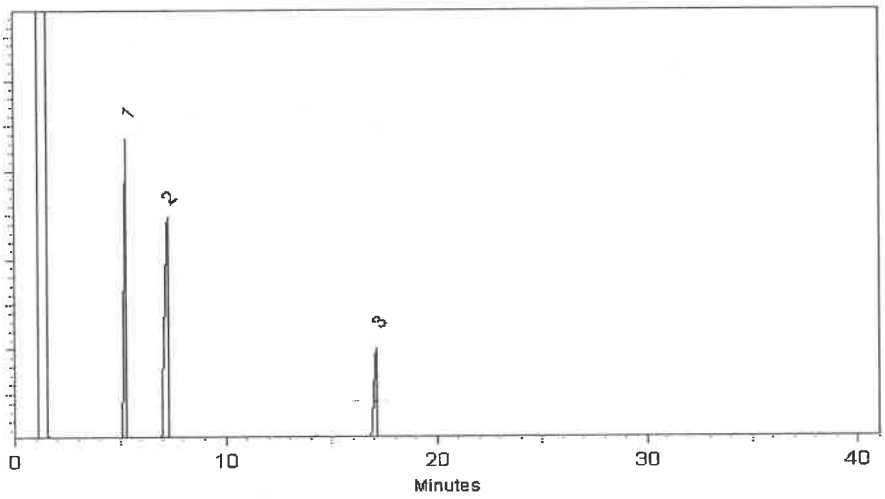
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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)

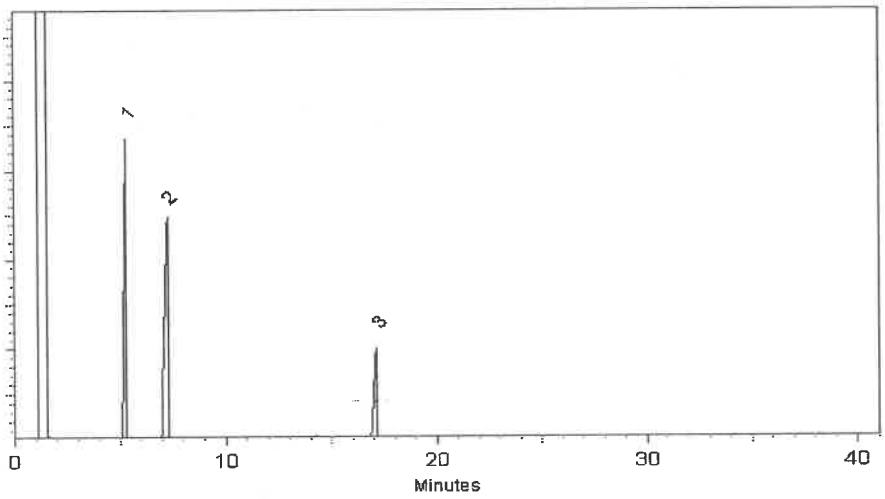
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

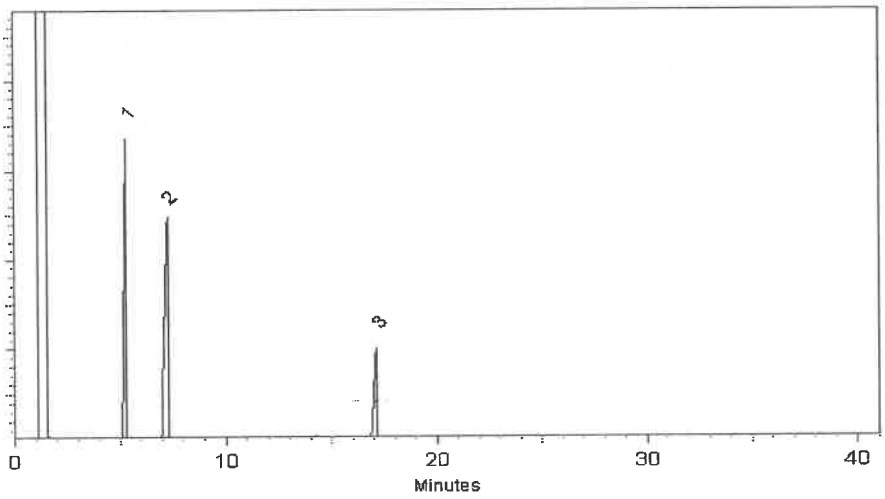
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

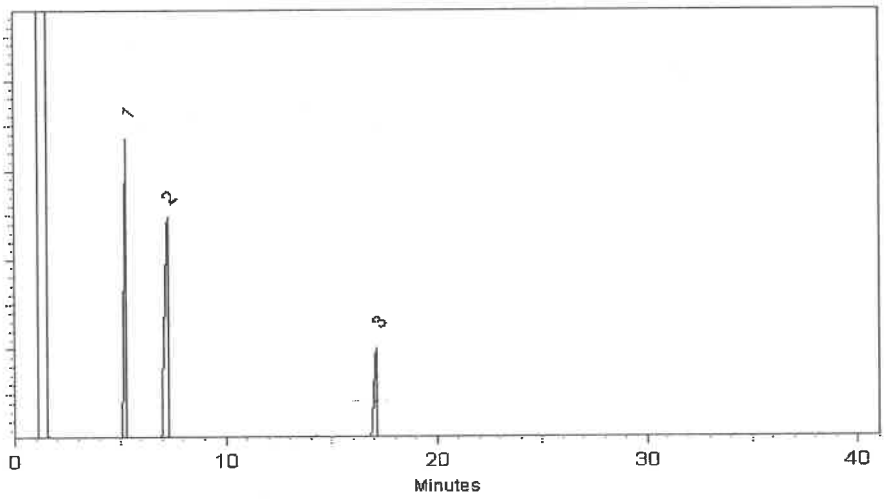
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

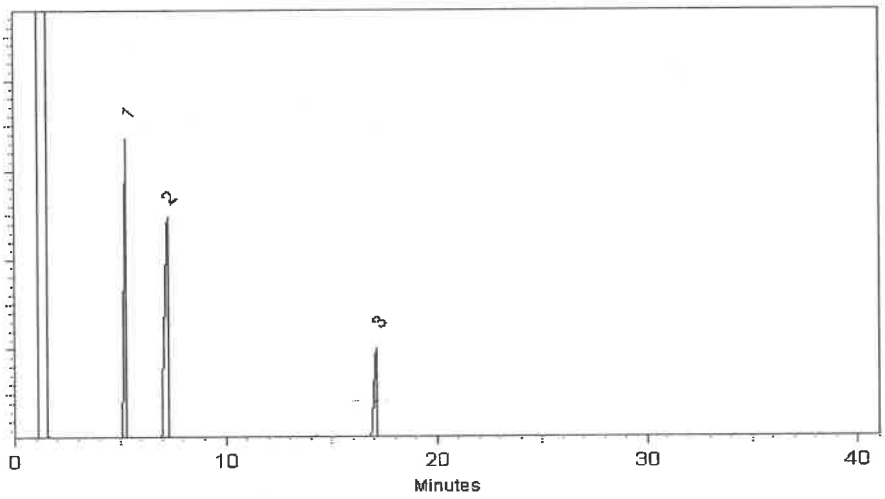
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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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)

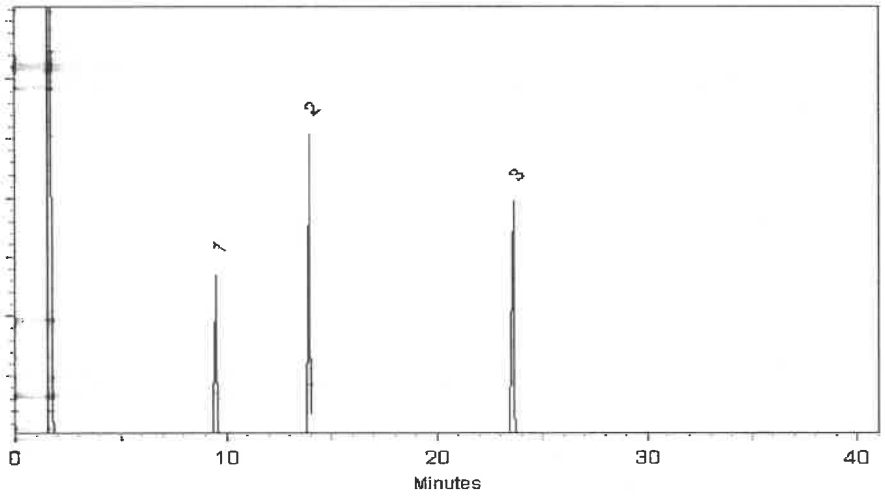
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

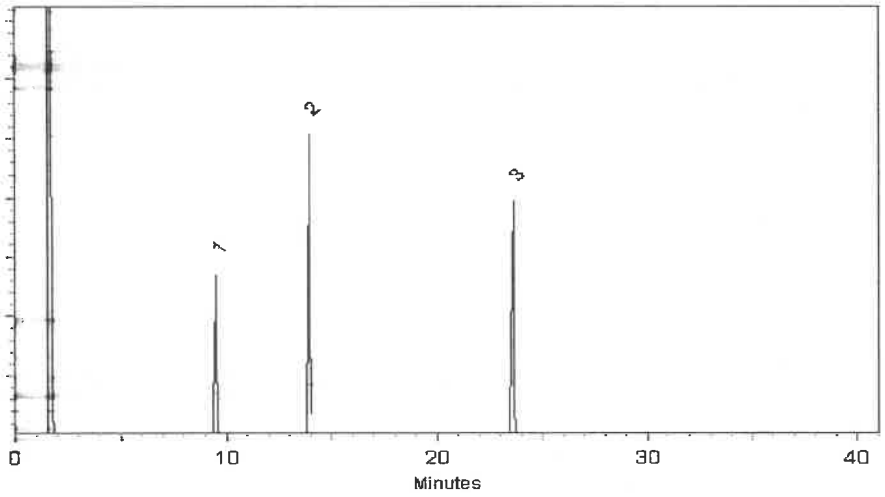
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

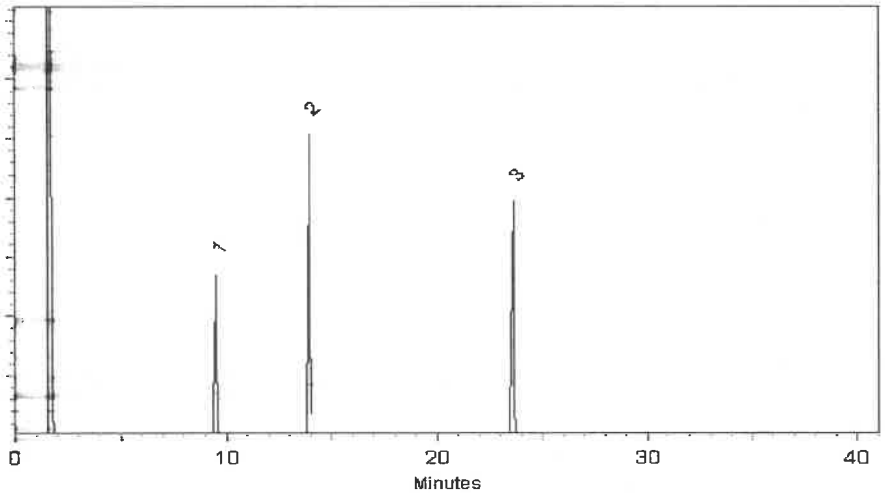
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

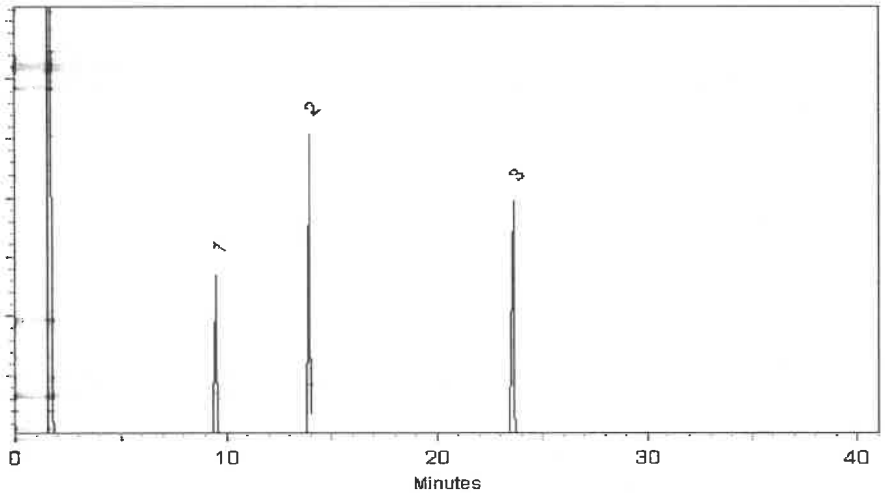
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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)

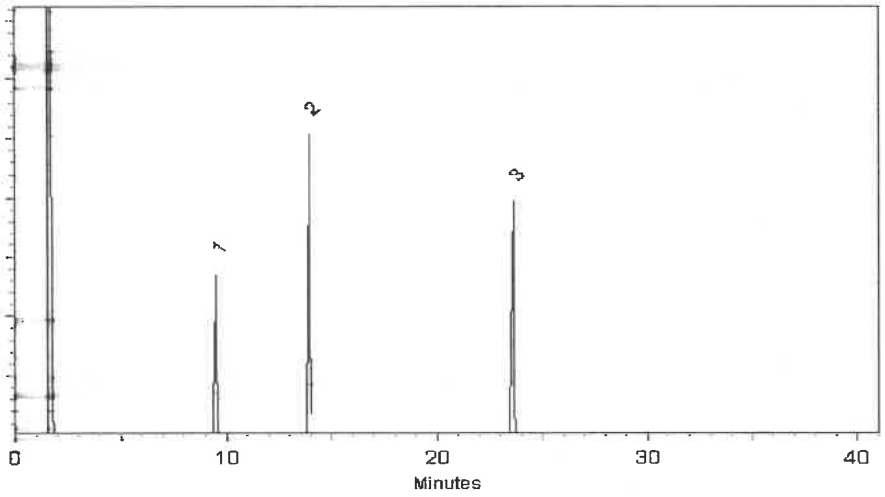
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

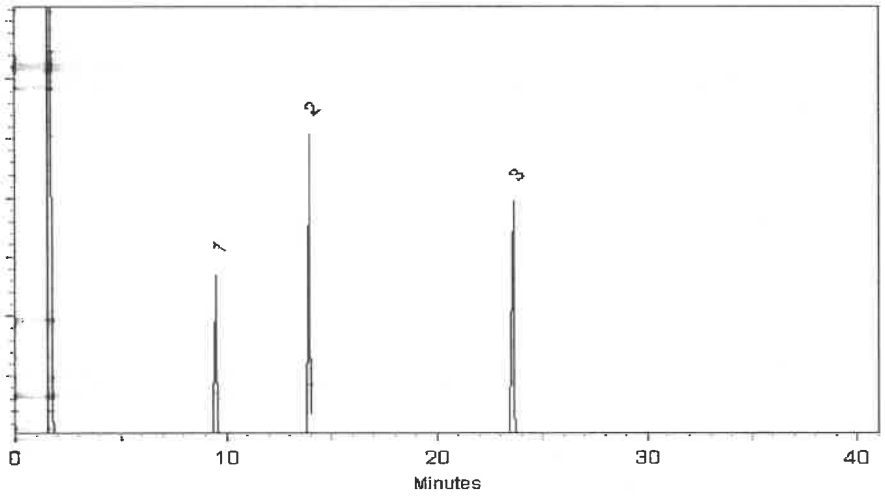
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

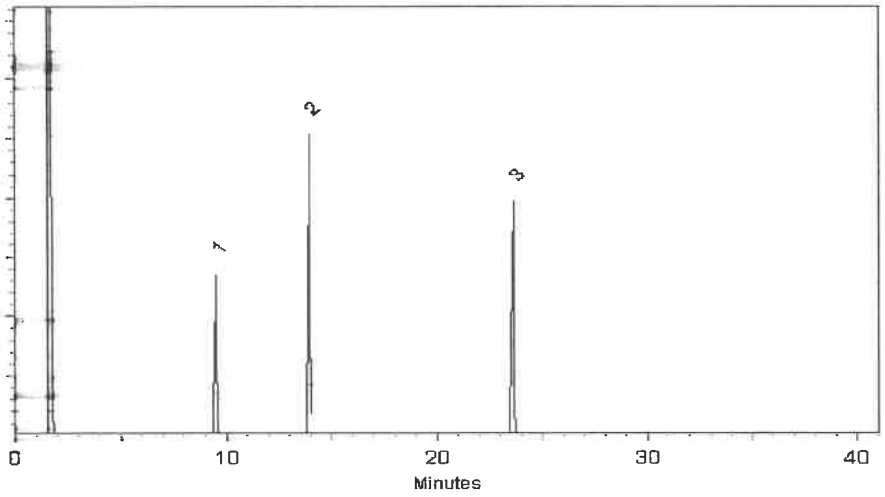
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.

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)

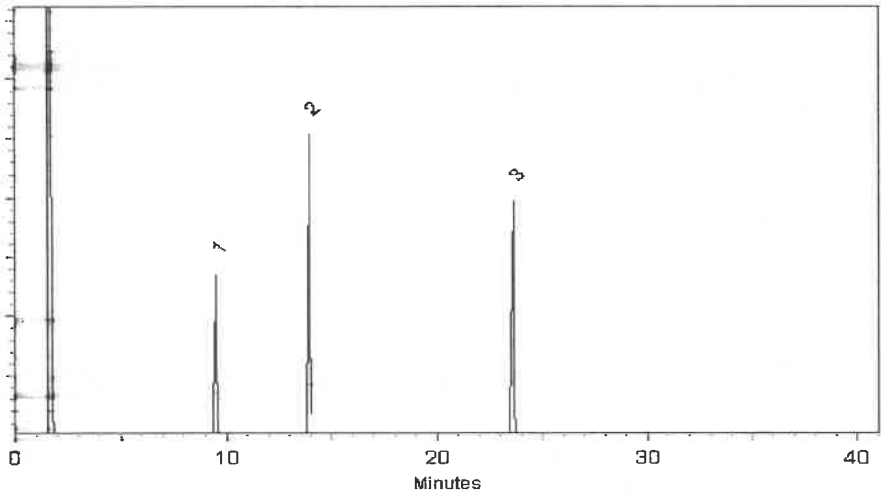
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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.

Received on 01/13/23 by CG S11011 to S11015

Catalog No. : 555872 **Lot No.:** A0193449

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 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	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I **Date Mixed:** 11-Jan-2023 **Balance:** B442140311

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

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.

Re

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

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 inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability n, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with dards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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.

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24C0162011
Manufactured Date: 2024-01-04
Expiration Date: 2025-04-04
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 Heptachlor Epoxide) 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	10
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24A04224

E 3746

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
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	0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	7
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	0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

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.: 24G0862022
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4
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	0.3 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F05012

E 3787

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M5037-38-39-40
ND

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

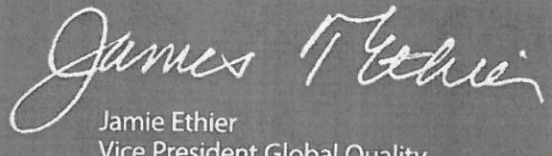
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



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

511434 } Y.P. 07/20/23

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	503442	≤ -10 °C	Methylene Chloride	8/26/2024	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	5052 ± 122.61
2-fluorobiphenyl	321-60-8	99.7	8.7.1.1P	5005 ± 121.47
nitrobenzene-d_5	4165-60-0	100	7.9.2P	5040 ± 122.21
p-terphenyl-d_{14}	1718-51-0	99.6	9.12.9P	5027 ± 122

*Not a certified value

Certified By: Joanna Radu

Joanna Radu
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

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555223 **Lot No.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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511568
Y.P. 091191

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

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

gravimetric

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. : 555223 **Lot No.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 555223 **Lot No.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- 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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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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.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Y.P. 091191

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
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4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

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 of isomeric compounds is reported as the sum of the isomers.
- 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.

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.)

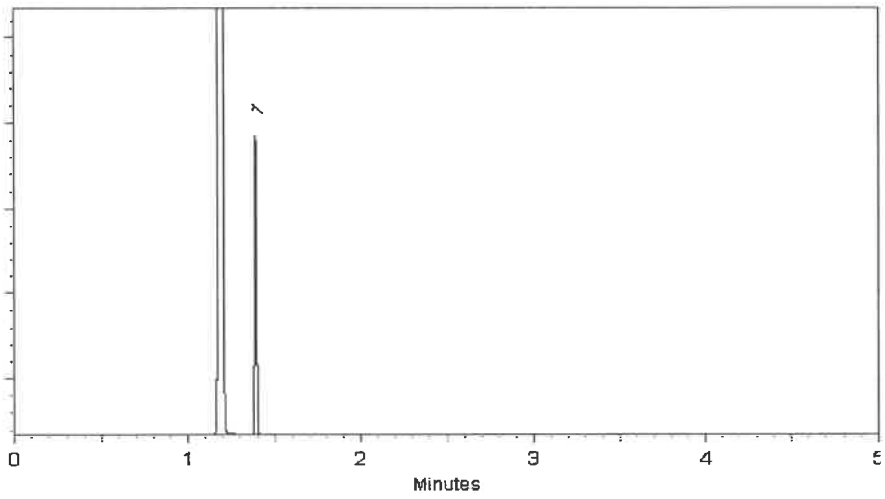
Inj. Temp:
250°C

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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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.)

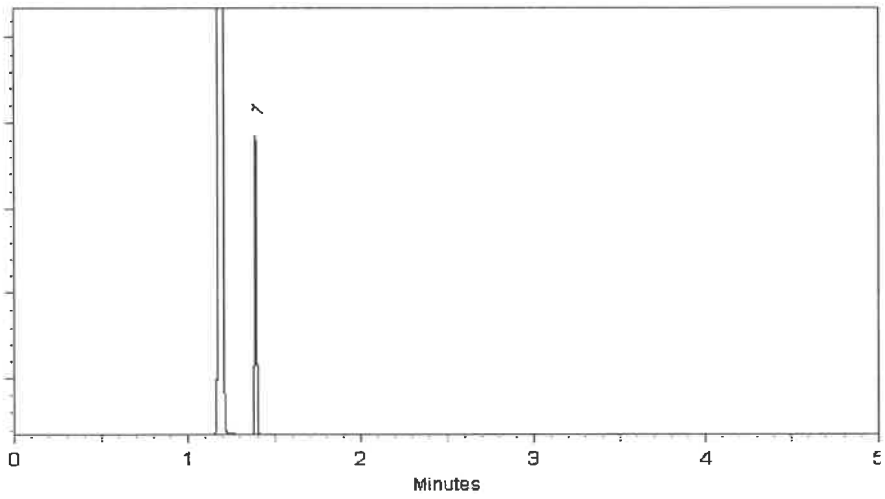
Inj. Temp:
250°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

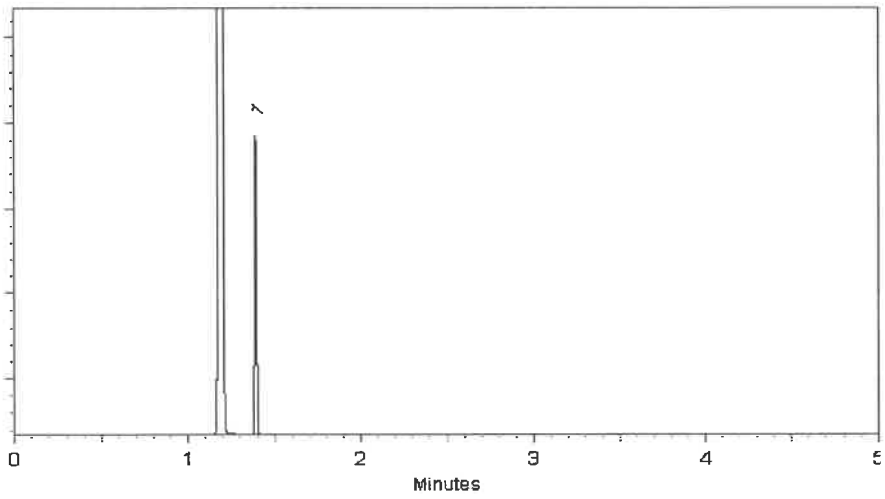
Inj. Temp:
250°C

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.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling 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.)

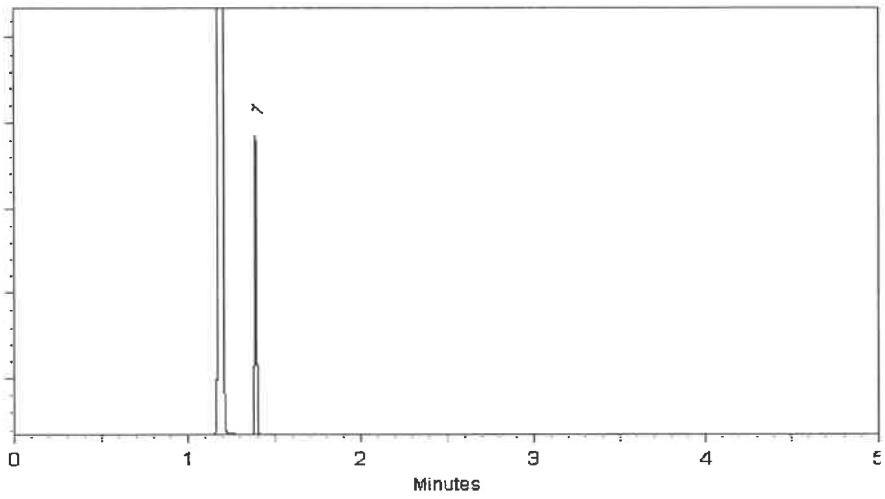
Inj. Temp:
250°C

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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Manufacturing Notes:

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Handling 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.)

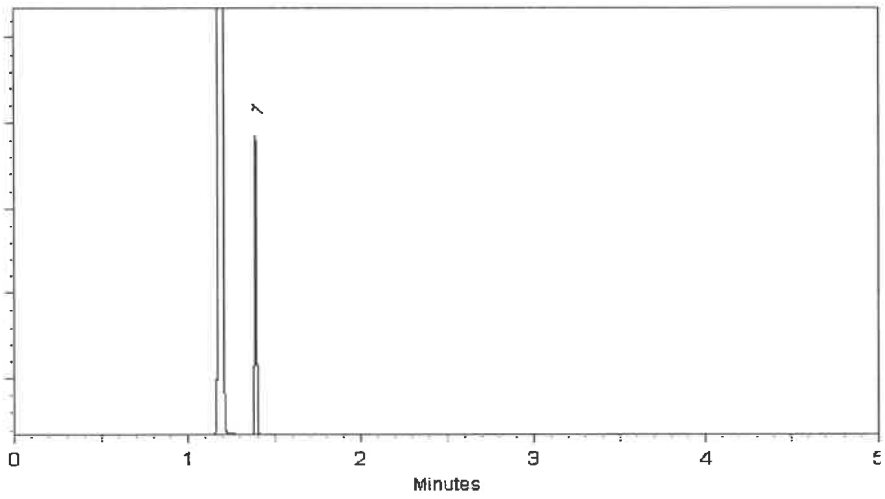
Inj. Temp:
250°C

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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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

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 : July 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%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

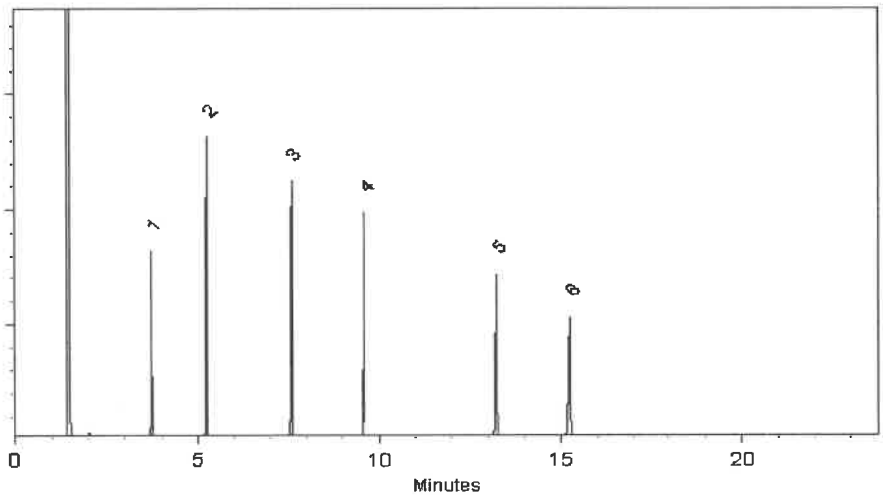
Inj. Temp:
250°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

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 : July 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%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

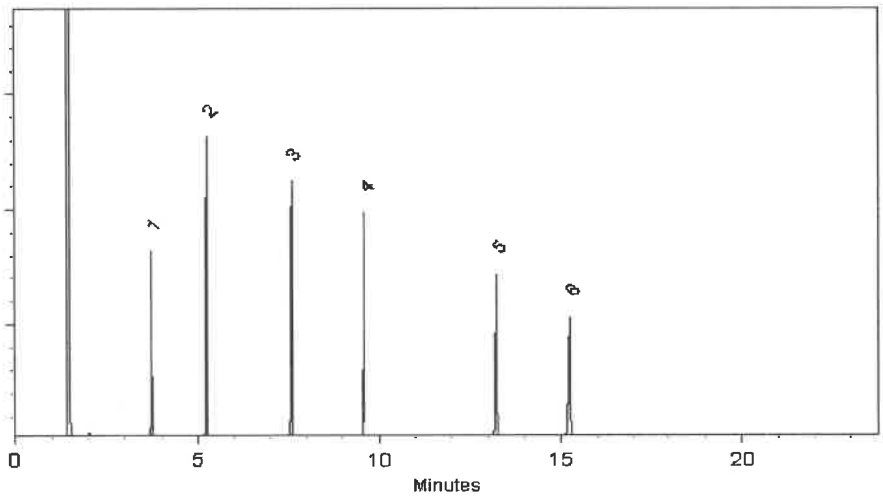
Inj. Temp:
250°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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110 Benner Circle
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

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 : July 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%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

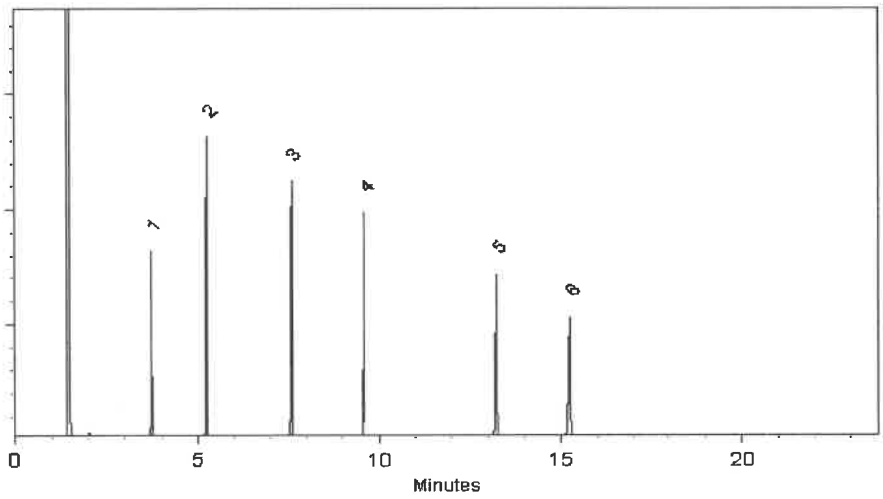
Inj. Temp:
250°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

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Shane Overcash
Chemist

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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.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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
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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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Description : Custom 8270 Plus Standard #2

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S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
CAS # 75-09-2
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John Friedline - Operations Technician I

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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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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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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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S12117 ↓ S12146 RC/ 03/18/24

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2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
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
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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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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
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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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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
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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. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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
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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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
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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

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12117 ↓ S12146 RC/ 03/18/24

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%	1,001.6 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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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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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

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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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

- 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

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:

- 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.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P3573
QUOTE NO.
COC Number 2041339

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201)936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

PRESERVATIVES: 1 = E, 2 = E; 3 = Ag, 4 = PAH

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	S-858-K1-SO-2-2.5-080924	SO	X		8-9-24	0850	1	1									Hold pending analysis of smaller sample
2.	S-859-K1-SO-2-2.5-080924	SO	X		8-9-24	0930	1	1									
3.	S-859-K1-SO-2-2.5-080924-FD	SO	X		8-9-24	0935	1	1									
4.	S-860-K1-SO-2-2.5-080924	SO	X		8-9-24	1000	1	1									
5.	S-856-J-SO-1-1.5-080924	SO	X		8-9-24	1100	1		1								
6.	S-856-J-SO-1-1.5-080924-FD	SO	X		8-9-24	1105	1		1								
7.	S-856-J-SO-1.5-2-080924	SO	X		8-9-24	1110	1		1								
8.	S-856-J-SO-2-2.5-080924	SO	X		8-9-24	1115	1		1								
9.	S-856-J-SO-3-3.5-080924	SO	X		8-9-24	1120	1		1								
10.	S-856-J-SO-4-4.5-080924	SO	X		8-9-24	1135	1		1								Extract and hold pending analysis

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8-9-24 1620	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
Comments: The following PAHs are to be reported only for: Benzo(a)anthracene, Benzo(a)pyrene, Dibenzo(a,h)anthracene

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. P3573

COC Number 2041310

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs

ADDRESS: 412 Mt Kemble Ave Suite #100

CITY Morristown STATE: NJ ZIP: 07960

ATTENTION: John Yinfanti

PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC

PROJECT NO.: D3779922 LOCATION: Princeton Junction

PROJECT MANAGER: Mary Murphy

e-mail: Mary.Murphy@Jacobs.com

PHONE (201) 926-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*

HARDCOPY (DATA PACKAGE): DAYS*

EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

PAHs (24) Ag (10)

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E	E/B								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	EB-01-080824	DI		X	8-9-24	1300	3	2	1								
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8-9-24 1620	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5°C °C

Comments: The following PAHs are to be reported only for: Benzo(a)anthracene, Benzo(a)pyrene, Dibenzo(a,h)anthracene

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Friday, May 30, 2025 7:57 PM
To: Yazmeen Gomez
Subject: another sample ID correction - in P3475 and P3573

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Yazmeen,

It was also pointed out to me that SDGs P3475 and P3573 logged in soil samples with “S0” (number zero) in the ID instead of “SO” (letter O). Can you resubmit those files with the “SO” in the sample IDs which indicates that they are soil samples in our database. Thanks.

John Ynfante
Jacobs
Chemist
281-414-1719 mobile
John.Ynfante@jacobs.com
www.jacobs.com

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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

QA Control Code: A2070148