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Cover Page

Order ID : P3475

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3475-01	S-866-N-SO-0-0.5-080524
P3475-02	S-866-N-SO-1.0-1.5-080524
P3475-03	S-866-N-SO-1.0-1.5-080524MS
P3475-04	S-866-N-SO-1.0-1.5-080524MSD
P3475-05	S-858-K1-SO-1.0-1.5-080524
P3475-06	S-858-K1-SO-1.0-1.5-080524MS
P3475-07	S-858-K1-SO-1.0-1.5-080524MSD

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 # P3475
Test Name: SVOCMS Group2

A. Number of Samples and Date of Receipt:
7 Solid samples were received on 08/05/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Metals Group5, PCB, SVOCMS Group2 and SVOCMS Group5. 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 analysis of SVOCMS Group2 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for S-866-N-SO-0-0.5-080524[2-Fluorobiphenyl - 26%, Terphenyl-d14 - 28%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements except for S-866-N-SO-1.0-1.5-080524, S-866-N-SO-1.0-1.5-080524MS and S-866-N-SO-1.0-1.5-080524MSD, due to matrix interference, no corrective action is required.

The Retention Times were acceptable for all samples.

The MS {P3475-03MS} with File ID: BF139008.D recoveries met the requirements for all compounds except for Benzo(a)pyrene[132%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {P3475-04MSD} with File ID: BF139009.D recoveries met the acceptable requirements except for Benzo(a)anthracene[132%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix
interference no corrective action is required.

The RPD met criteria .
The Blank Spike met requirements for all samples .

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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
This data Package has been revised due to Client Id changed as per client request.
The Sample S-866-N-SO-1.0-1.5-080524, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <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: P3475 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements .			
	The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for S-866-N-SO-0-0.5-080524[2-Fluorobiphenyl - 26%, Terphenyl-d14 - 28%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.			
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 MSD {P3475-04MSD} with File ID: BF139009.D recoveries met the acceptable requirements except for Benzo(a)anthracene[132%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.			
	The Blank Spike 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: The Internal Standards Areas met the acceptable requirements except for S-866-N-SO-1.0-1.5-080524, S-866-N-SO-1.0-1.5-080524MS and S-866-N-SO-1.0-1.5-080524MSD, due to matrix interference, no corrective action is required.			
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 Sample S-866-N-SO-1.0-1.5-080524, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

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

The not QT review data is reported in the Miscellaneous.

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

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P3475**

	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:	P3475	**OrderDate:**	8/6/2024 10:01:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3475-01	**S-866-N-SO-0-0.5-080524**	**SOIL**			**08/05/24**			**08/05/24**
			SVOCMS Group2	8270E		08/06/24	08/15/24	
P3475-02	**S-866-N-SO-1.0-1.5-080524**	**SOIL**			**08/05/24**			**08/05/24**
			SVOCMS Group2	8270E		08/06/24	08/14/24	

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Hit Summary Sheet
SW-846

SDG No.: P3475

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.: P3475

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3475-01	S-866-N-SO-0-0.5-080524	Nitrobenzene-d5	100	30.3	30		30 (18)	130 (107)
		2-Fluorobiphenyl	100	26.3	26	*	30 (20)	130 (109)
		Terphenyl-d14	100	28.3	28	*	30 (10)	130 (105)
P3475-02	S-866-N-SO-1.0-1.5-080524	Nitrobenzene-d5	100	86.4	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.7	74		30 (20)	130 (109)
		Terphenyl-d14	100	81.8	82		30 (10)	130 (105)
P3475-03MS	S-866-N-S0-1.0-1.5-080524MS	Nitrobenzene-d5	100	96.9	97		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.1	85		30 (20)	130 (109)
		Terphenyl-d14	100	94.3	94		30 (10)	130 (105)
P3475-04MSD	S-866-N-S0-1.0-1.5-080524MSD	Nitrobenzene-d5	100	101	101		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.9	87		30 (20)	130 (109)
		Terphenyl-d14	100	98.7	99		30 (10)	130 (105)
PB162520BL	PB162520BL	Nitrobenzene-d5	100	80.7	81		30 (18)	130 (107)
		2-Fluorobiphenyl	100	80.0	80		30 (20)	130 (109)
		Terphenyl-d14	100	95.8	96		30 (10)	130 (105)
PB162520BS	PB162520BS	Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.9	87		30 (20)	130 (109)
		Terphenyl-d14	100	111	111		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3475

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: P3475-03MS		**Client Sample ID: S-866-N-S0-1.0-1.5-080524MS**						**DataFile: BF139008.D**			
Benzo(a)anthracene	1900	0	2400	ug/Kg	126				70 (71)	130 (114)	
Benzo(a)pyrene	1900	0	2500	ug/Kg	132	*			70 (70)	130 (142)	
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100				70 (43)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P3475

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: P3475-04MSD		**Client Sample ID: S-866-N-S0-1.0-1.5-080524MSD**						**DataFile: BF139009.D**			
Benzo(a)anthracene	1900	0	2500	ug/Kg	132	*	5		70 (71)	130 (114)	30 (20)
Benzo(a)pyrene	1900	0	2400	ug/Kg	126		5		70 (70)	130 (142)	30 (20)
Dibenz(a,h)anthracene	1900	0	1800	ug/Kg	95		5		70 (43)	130 (123)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3475

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF138967.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB162520BS	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Benzo(a)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (103)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162520BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

Lab File ID: BF139050.D Lab Sample ID: PB162520BL

Instrument ID: BNA_F Date Extracted: 08/06/2024

Matrix: (soil/water) SOIL Date Analyzed: 08/16/2024

Level: (low/med) LOW Time Analyzed: 10:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162520BS	PB162520BS	BF138967.D	08/13/2024
S-866-N-SO-1.0-1.5-080524	P3475-02	BF139007.D	08/14/2024
S-866-N-S0-1.0-1.5-080524MS	P3475-03MS	BF139008.D	08/14/2024
S-866-N-S0-1.0-1.5-080524MSD	P3475-04MSD	BF139009.D	08/14/2024
S-866-N-SO-0-0.5-080524	P3475-01	BF139034.D	08/15/2024

COMMENTS:

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3475 SDG NO.: P3475

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3475 SDG NO.: P3475

Lab File ID: BF138964.D DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.1
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	42.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	50.9
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	7.2
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (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	BF138965.D	08/13/2024	10:08
PB162520BS	PB162520BS	BF138967.D	08/13/2024	11:08

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3475 SDG NO.: P3475

Lab File ID: BF138987.D DFTPP Injection Date: 08/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.7
68	Less than 2.0% of mass 69	0.8 (1.8) 1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	50.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.8 (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
SSTDCCC040	SSTDCCC040	BF138988.D	08/14/2024	12:03
S-866-N-SO-1.0-1.5-080524	P3475-02	BF139007.D	08/14/2024	21:47
S-866-N-S0-1.0-1.5-080524MS	P3475-03MS	BF139008.D	08/14/2024	22:17
S-866-N-S0-1.0-1.5-080524MSD	P3475-04MSD	BF139009.D	08/14/2024	22:47

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3475 SDG NO.: P3475

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
S-866-N-SO-0-0.5-080524	P3475-01	BF139034.D	08/15/2024	21:14

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3475 SDG NO.: P3475

Lab File ID: BF139048.D DFTPP Injection Date: 08/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	49.9
68	Less than 2.0% of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	42.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	50.4
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	6.5
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	10
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.2 (18.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139049.D	08/16/2024	10:14
PB162520BL	PB162520BL	BF139050.D	08/16/2024	10:43

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3475 SAS No.: P3475 SDG NO.: P3475

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/13/2024

Lab File ID: BF138965.D Time Analyzed: 10:08

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	46987	6.839	189694	8.12	108534	9.88
	UPPER LIMIT	93974	7.339	379388	8.622	217068	10.375
	LOWER LIMIT	23493.5	6.339	94847	7.622	54267	9.375
	EPA SAMPLE NO.						
01	PB162520BS	49442	6.84	209908	8.12	120228	9.88

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.: P3475 SAS No.: P3475 SDG NO.: P3475

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/13/2024

Lab File ID: BF138965.D Time Analyzed: 10:08

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	193718	11.363	93804	13.998	93639	15.462
	UPPER LIMIT	387436	11.863	187608	14.498	187278	15.962
	LOWER LIMIT	96859	10.863	46902	13.498	46819.5	14.962
	EPA SAMPLE NO.						
01	PB162520BS	210367	11.36	104150	14.00	91923	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.: P3475 SAS No.: P3475 SDG NO.: P3475

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/14/2024

Lab File ID: BF138988.D Time Analyzed: 12:03

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	46569	6.839	180395	8.12	100753		9.87
	UPPER LIMIT	93138	7.339	360790	8.622	201506		10.369
	LOWER LIMIT	23284.5	6.339	90197.5	7.622	50376.5		9.369
	EPA SAMPLE NO.							
01	S-866-N-SO-1.0-1.5-080524	30152	6.83	98470	8.12	45260	*	9.87
02	S-866-N-S0-1.0-1.5-080524MS	30988	6.84	101717	8.12	45061	*	9.87
03	S-866-N-S0-1.0-1.5-080524MSD	29660	6.83	99216	8.12	44771	*	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.: P3475 SAS No.: P3475 SDG NO.: P3475

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/14/2024

Lab File ID: BF138988.D Time Analyzed: 12:03

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	170882		11.357	83079	13.998	87305		15.462
	UPPER LIMIT	341764		11.857	166158	14.498	174610		15.962
	LOWER LIMIT	85441		10.857	41539.5	13.498	43652.5		14.962
	EPA SAMPLE NO.								
01	S-866-N-SO-1.0-1.5-080524	90263		11.36	59157	14.00	44596		15.46
02	S-866-N-S0-1.0-1.5-080524M:	82982	*	11.36	54235	14.00	41522	*	15.46
03	S-866-N-S0-1.0-1.5-080524M:	83010	*	11.36	51880	14.00	42398	*	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.: P3475 SAS No.: P3475 SDG NO.: P3475

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	S-866-N-SO-0-0.5-080524	38760	6.83	154054	8.12	81517	9.86

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.: P3475 SAS No.: P3475 SDG NO.: P3475

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	S-866-N-SO-0-0.5-080524	134152	11.35	66522	14.00	75058	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.: P3475 SAS No.: P3475 SDG NO.: P3475

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/16/2024

Lab File ID: BF139049.D Time Analyzed: 10:14

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	62968	6.84	249711	8.12	137022	9.88
	UPPER LIMIT	125936	7.34	499422	8.622	274044	10.375
	LOWER LIMIT	31484	6.34	124856	7.622	68511	9.375
	EPA SAMPLE NO.						
01	PB162520BL	46870	6.83	190657	8.12	110837	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.: P3475 SAS No.: P3475 SDG NO.: P3475

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/16/2024

Lab File ID: BF139049.D Time Analyzed: 10:14

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	227673	11.357	105031	14.004	114377	15.468
	UPPER LIMIT	455346	11.857	210062	14.504	228754	15.968
	LOWER LIMIT	113837	10.857	52515.5	13.504	57188.5	14.968
	EPA SAMPLE NO.						
01	PB162520BL	209233	11.36	121458	14.00	88021	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.



SAMPLE DATA

Raw Data: **BF139034.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-0-0.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.2
Sample Wt/Vol:	30.05 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
BF139034.D	1	08/06/24 08:26	08/15/24 21:14	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	96.8	U	96.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.4	U	97.4	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	30.3		30 (18) - 130 (107)	30%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.3	*	30 (20) - 130 (109)	26%	SPK: 100
1718-51-0	Terphenyl-d14	28.3	*	30 (10) - 130 (105)	28%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	38800	6.834			
1146-65-2	Naphthalene-d8	154000	8.116			
15067-26-2	Acenaphthene-d10	81500	9.863			
1517-22-2	Phenanthrene-d10	134000	11.351			
1719-03-5	Chrysene-d12	66500	13.998			
1520-96-3	Perylene-d12	75100	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 : BF139034.D
Acq On : 15 Aug 2024 21:14
Operator : RC/JU
Sample : P3475-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Quant Time: Aug 16 00:28:12 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	38760	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	154054	20.000	ng	#-0.01
39) Acenaphthene-d10	9.863	164	81517	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	134152	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	66522	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	75058	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	107935	42.986	ng	0.00
7) Phenol-d6	6.481	99	153974	45.674	ng	0.00
23) Nitrobenzene-d5	7.398	82	95344	30.259	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	30479	45.645	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	142934	26.345	ng	-0.02
79) Terphenyl-d14	12.933	244	112397	28.289	ng	-0.01
Target Compounds						Qvalue

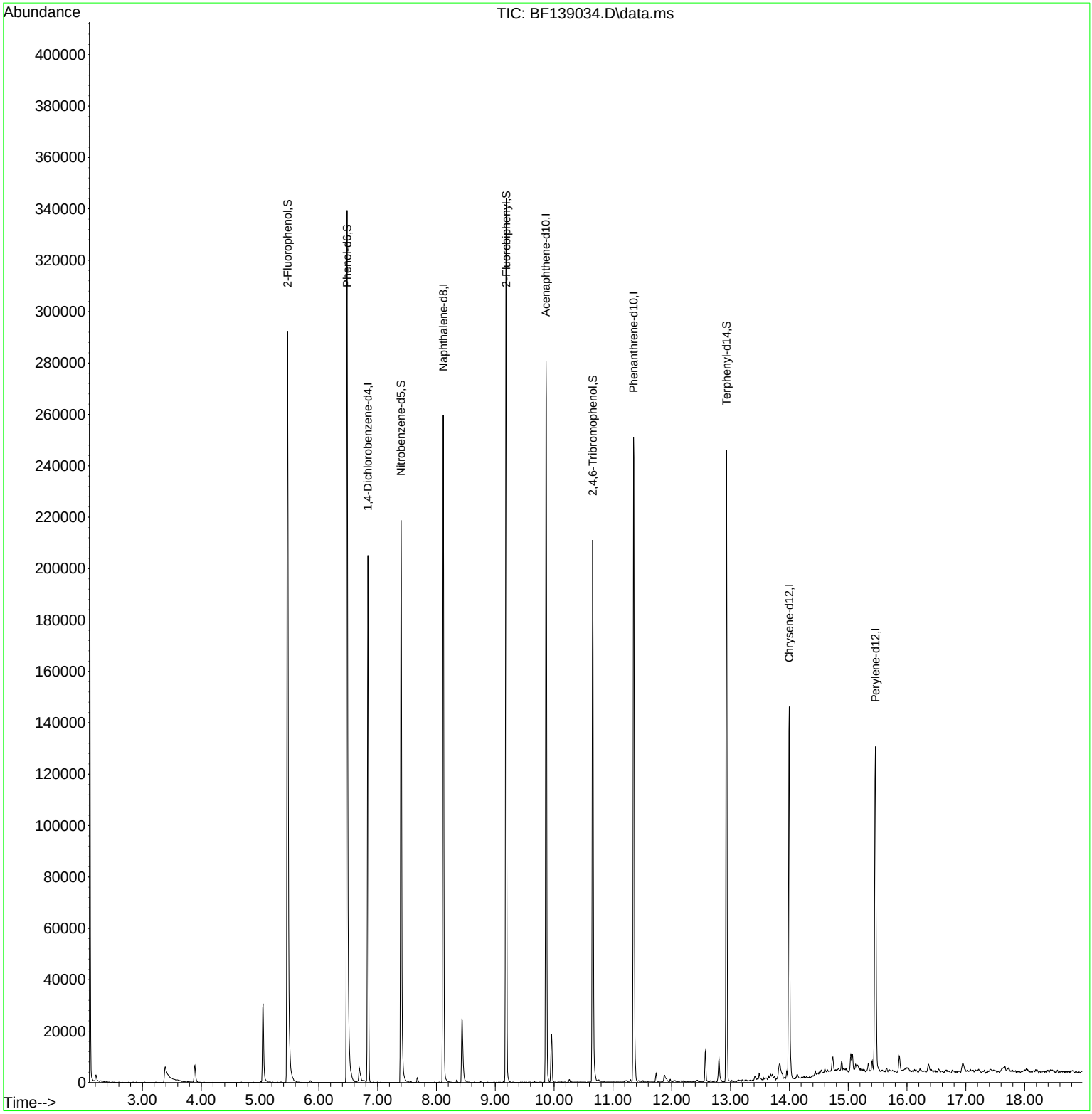
(#) = qualifier out of range (m) = manual integration (+) = signals summed

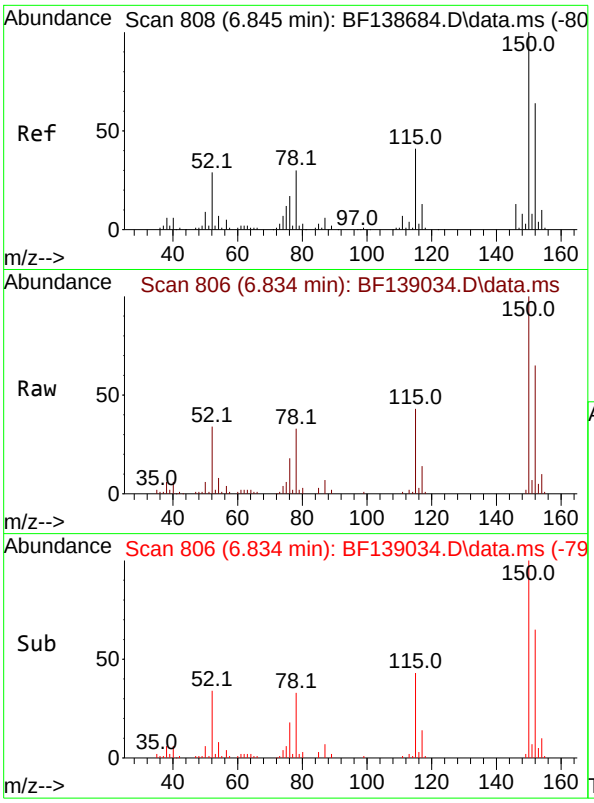
Sample Results: **BF139034.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139034.D
Acq On : 15 Aug 2024 21:14
Operator : RC/JU
Sample : P3475-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Quant Time: Aug 16 00:28:12 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



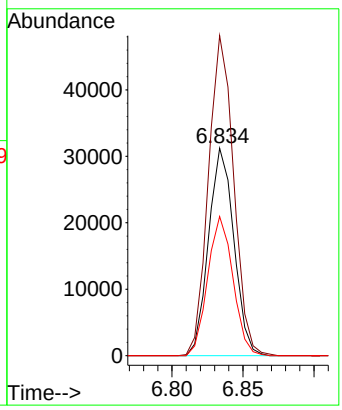


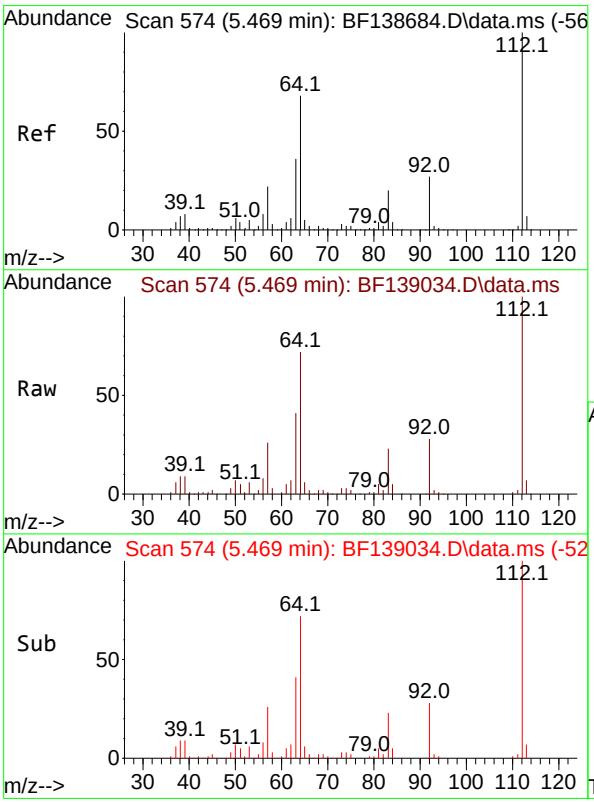
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Tgt Ion:152 Resp: 38760

Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.0	189.0
115	67.0	51.7	77.5

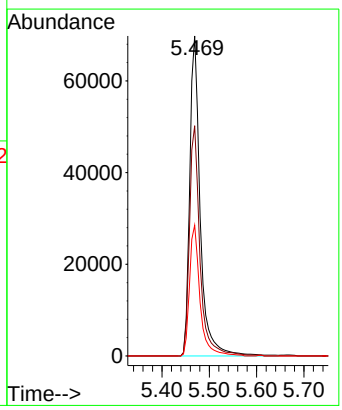


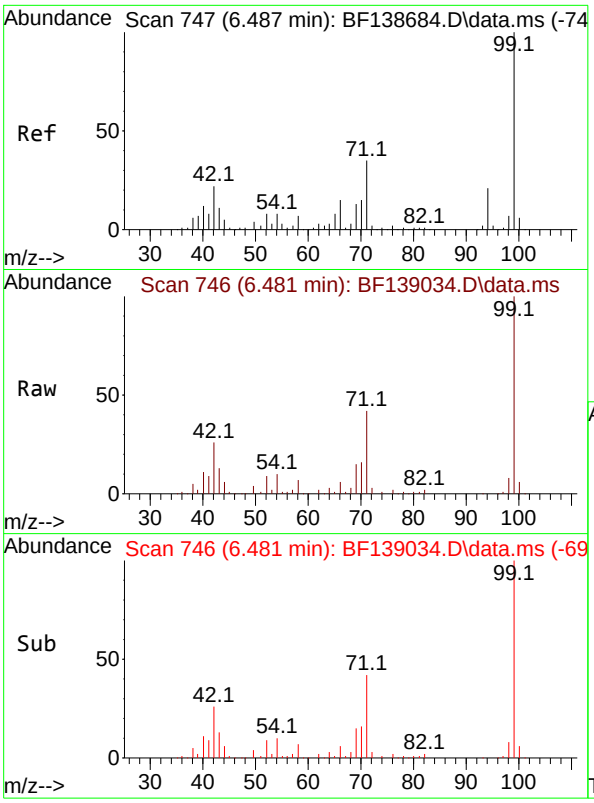


#5
2-Fluorophenol
Concen: 42.986 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Tgt Ion:112 Resp: 107935

Ion	Ratio	Lower	Upper
112	100		
64	72.0	54.2	81.4
63	40.8	28.7	43.1



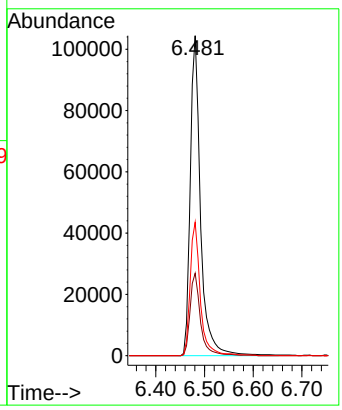


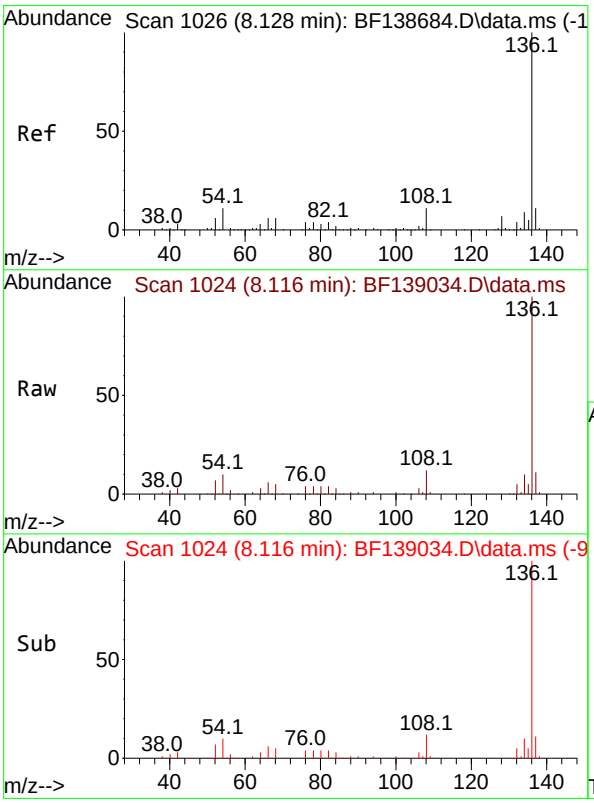
#7
Phenol-d6
Concen: 45.674 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Tgt Ion: 99 Resp: 153974

Ion	Ratio	Lower	Upper
99	100		
42	25.7	17.4	26.0
71	41.7	28.1	42.1

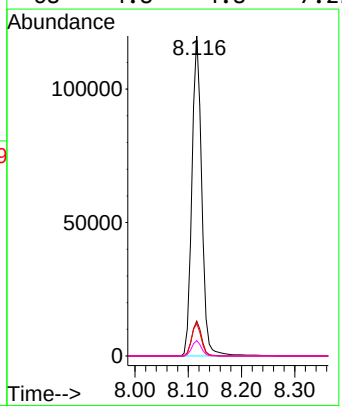


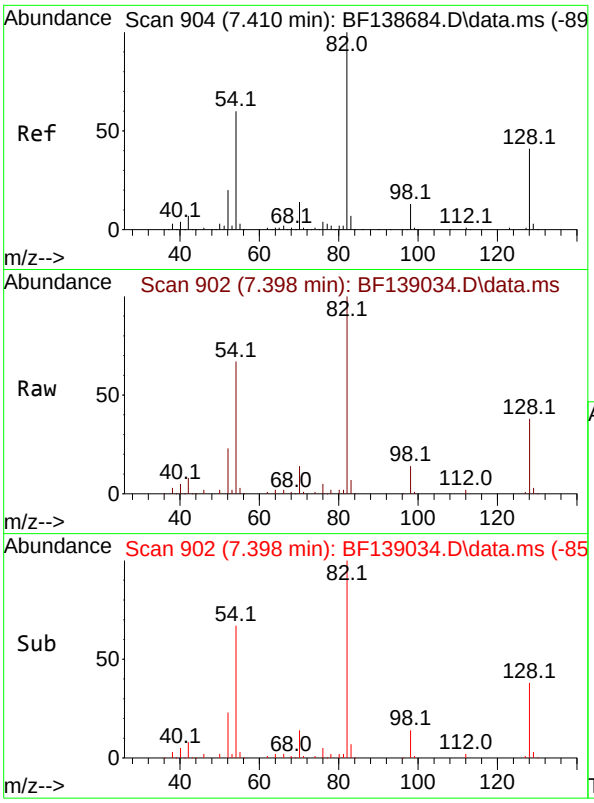


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Tgt Ion:136 Resp: 154054

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	8.6	12.8
68	4.8	4.8	7.2#



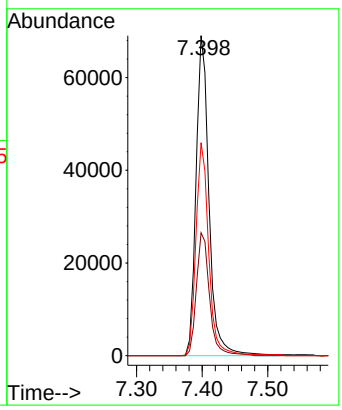


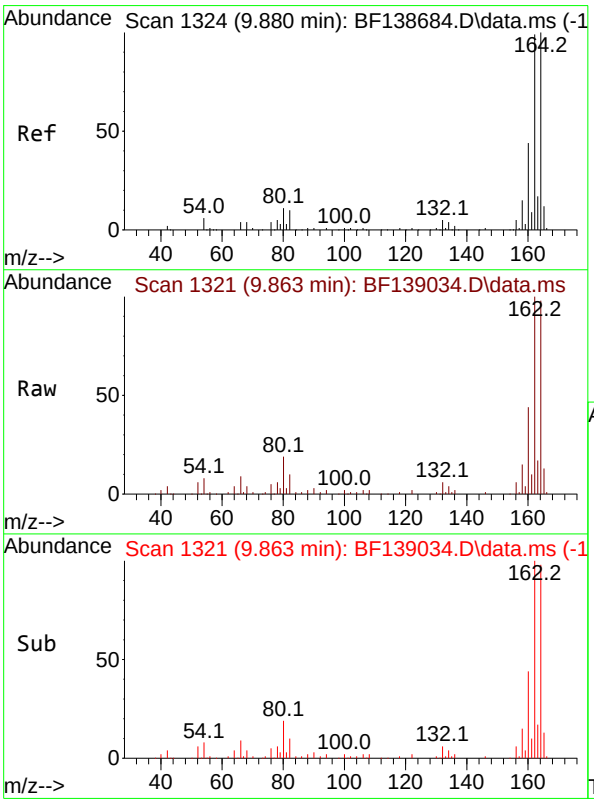
#23
Nitrobenzene-d5
Concen: 30.259 ng
RT: 7.398 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Tgt Ion: 82 Resp: 95344

Ion	Ratio	Lower	Upper
82	100		
128	38.4	32.8	49.2
54	66.6	48.3	72.5

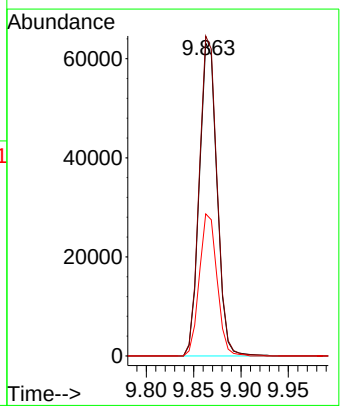


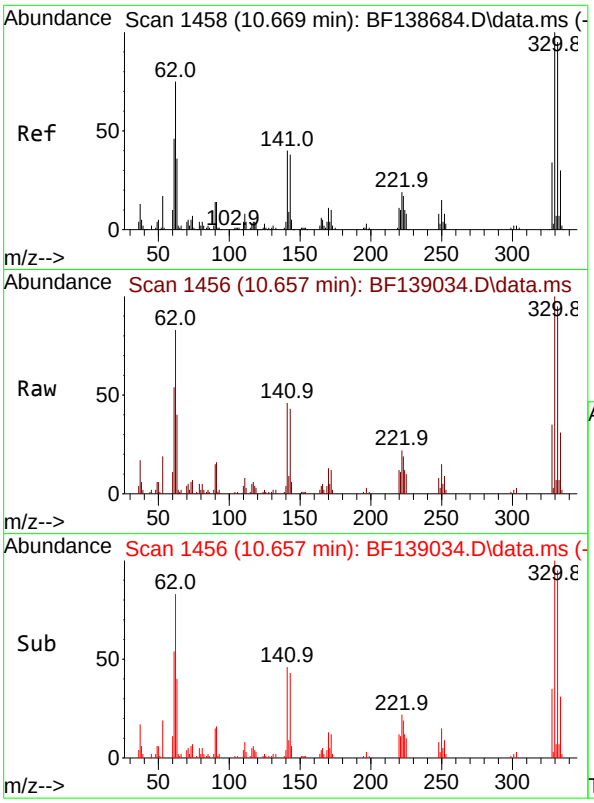


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Tgt Ion:164 Resp: 81517

Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.4	119.0
160	45.5	35.1	52.7



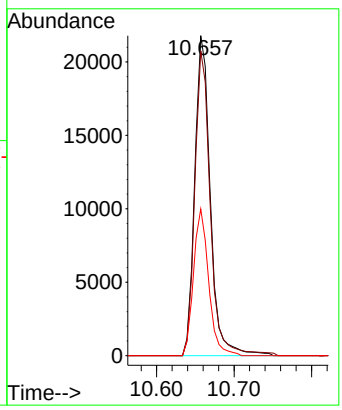


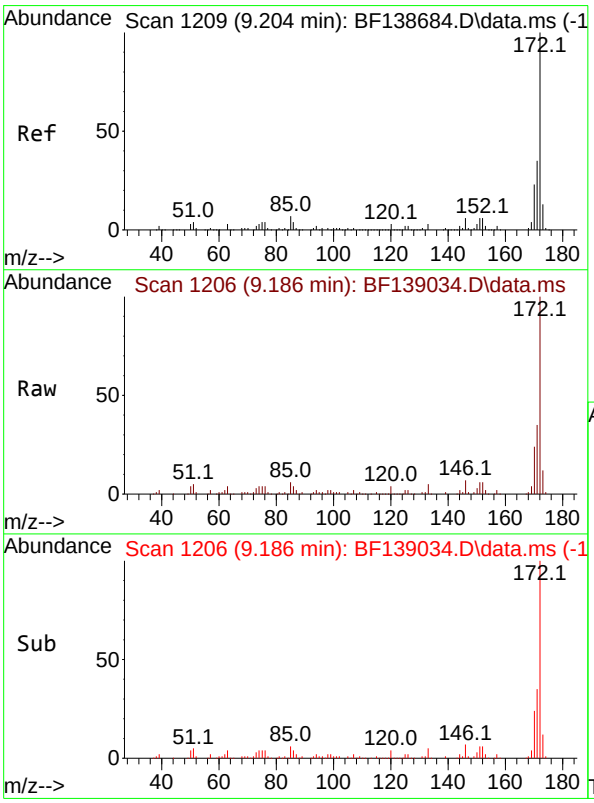
#42
2,4,6-Tribromophenol
Concen: 45.645 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Tgt Ion:330 Resp: 30479

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.4	114.6
141	44.5	31.1	46.7

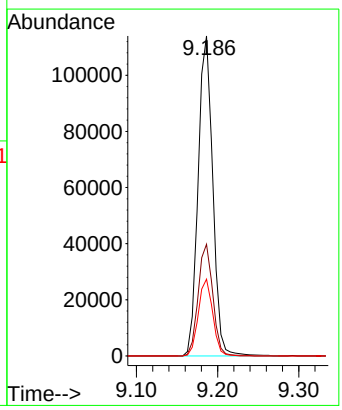


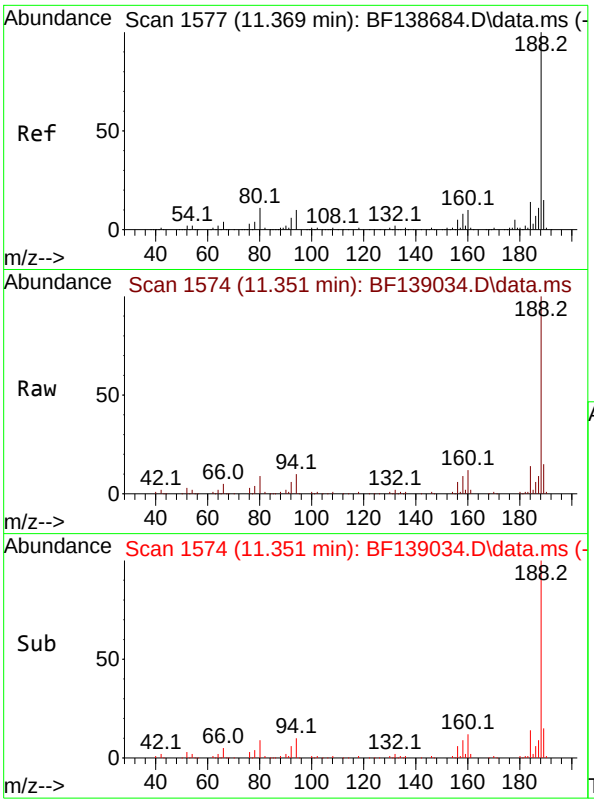


#45
2-Fluorobiphenyl
Concen: 26.345 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Tgt Ion:172 Resp: 142934

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	24.0	18.8	28.2



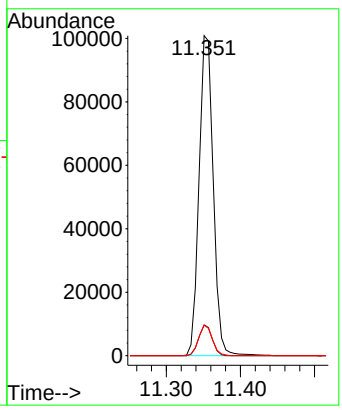


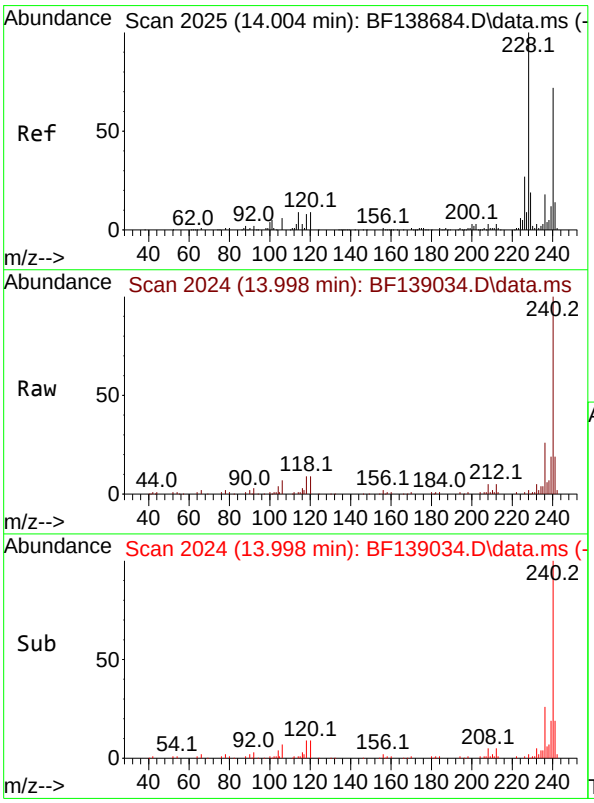
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Tgt Ion:188 Resp: 134152

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.6	11.4
80	9.5	8.6	12.8

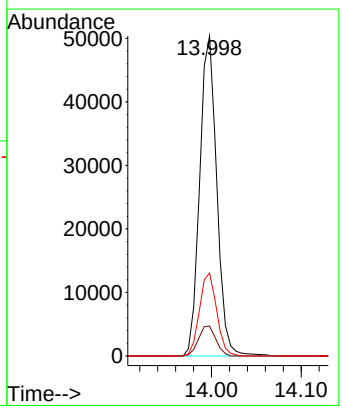


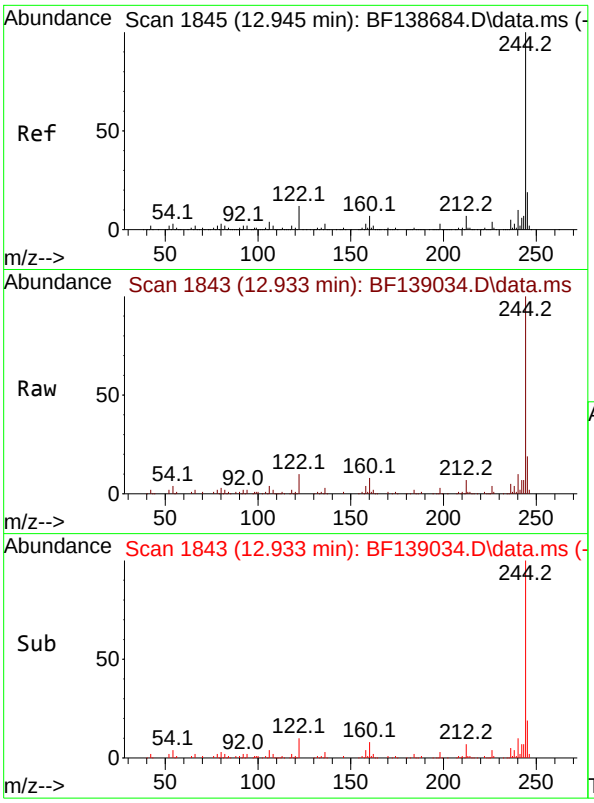


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Tgt Ion:240 Resp: 66522

Ion	Ratio	Lower	Upper
240	100		
120	9.3	10.2	15.4#
236	25.9	19.8	29.8



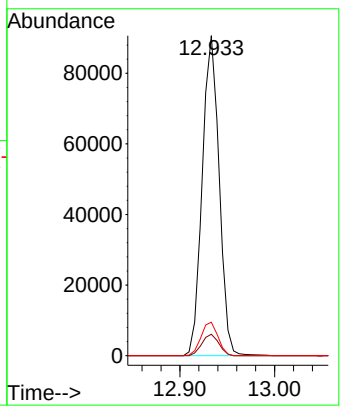


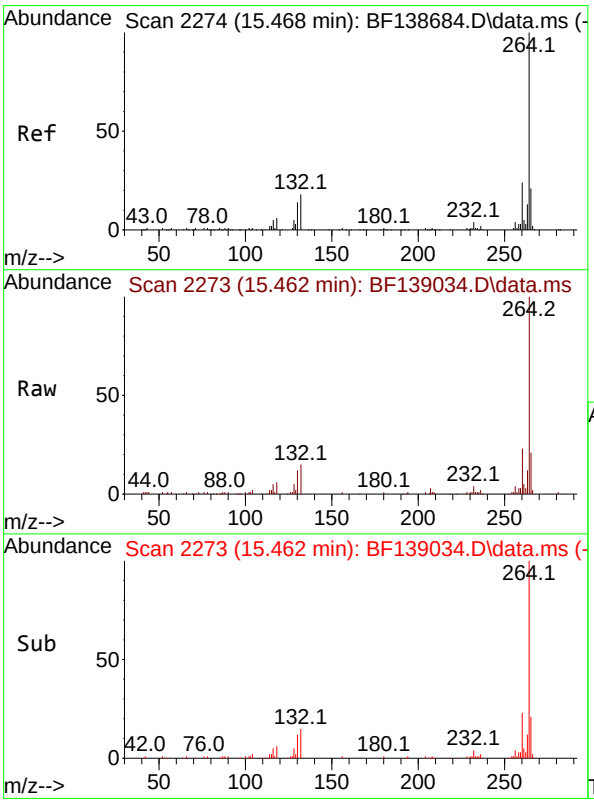
#79
Terphenyl-d14
Concen: 28.289 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-0-0.5-080524

Tgt Ion:244 Resp: 112397

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.5	9.6	14.4

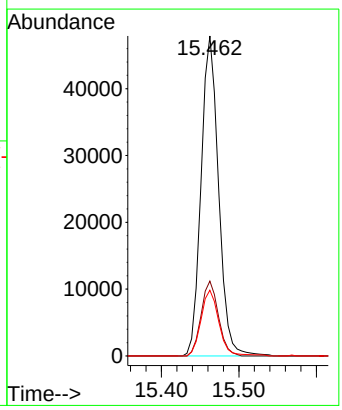




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139034.D
Acq: 15 Aug 2024 21:14

Tgt Ion:264 Resp: 75058

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



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:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-1.0-1.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
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
BF139007.D	1	08/06/24 08:26	08/14/24 21:47	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	94.0	U	94.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.6	U	94.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	86.4		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		30 (20) - 130 (109)	74%	SPK: 100
1718-51-0	Terphenyl-d14	81.8		30 (10) - 130 (105)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	30200	6.834			
1146-65-2	Naphthalene-d8	98500	8.116			
15067-26-2	Acenaphthene-d10	45300	9.869			
1517-22-2	Phenanthrene-d10	90300	11.357			
1719-03-5	Chrysene-d12	59200	13.998			
1520-96-3	Perylene-d12	44600	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

Quantitation Report (LSC Reviewed)

Sample Results: **BF139007.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139007.D
Acq On : 14 Aug 2024 21:47
Operator : RC/JU
Sample : P3475-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 15 01:14:15 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	30152	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	98470	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	45260	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	90263	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	59157	20.000	ng	0.00
86) Perylene-d12	15.463	264	44596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	227779	116.613	ng	0.00
7) Phenol-d6	6.481	99	283780	108.210	ng	0.00
23) Nitrobenzene-d5	7.398	82	174059	86.422	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	49491	133.492	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	221959	73.684	ng	-0.02
79) Terphenyl-d14	12.933	244	289167	81.840	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.569	202	23630	5.446	ng	97
78) Pyrene	12.798	202	20203	3.627	ng	98
83) Chrysene	14.021	228	8307	2.260	ng	94
88) Benzo(b)fluoranthene	15.039	252	9202m	3.329	ng	
90) Benzo(a)pyrene	15.404	252	5795	2.492	ng	95

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

Sample Results: **BF139007.D**

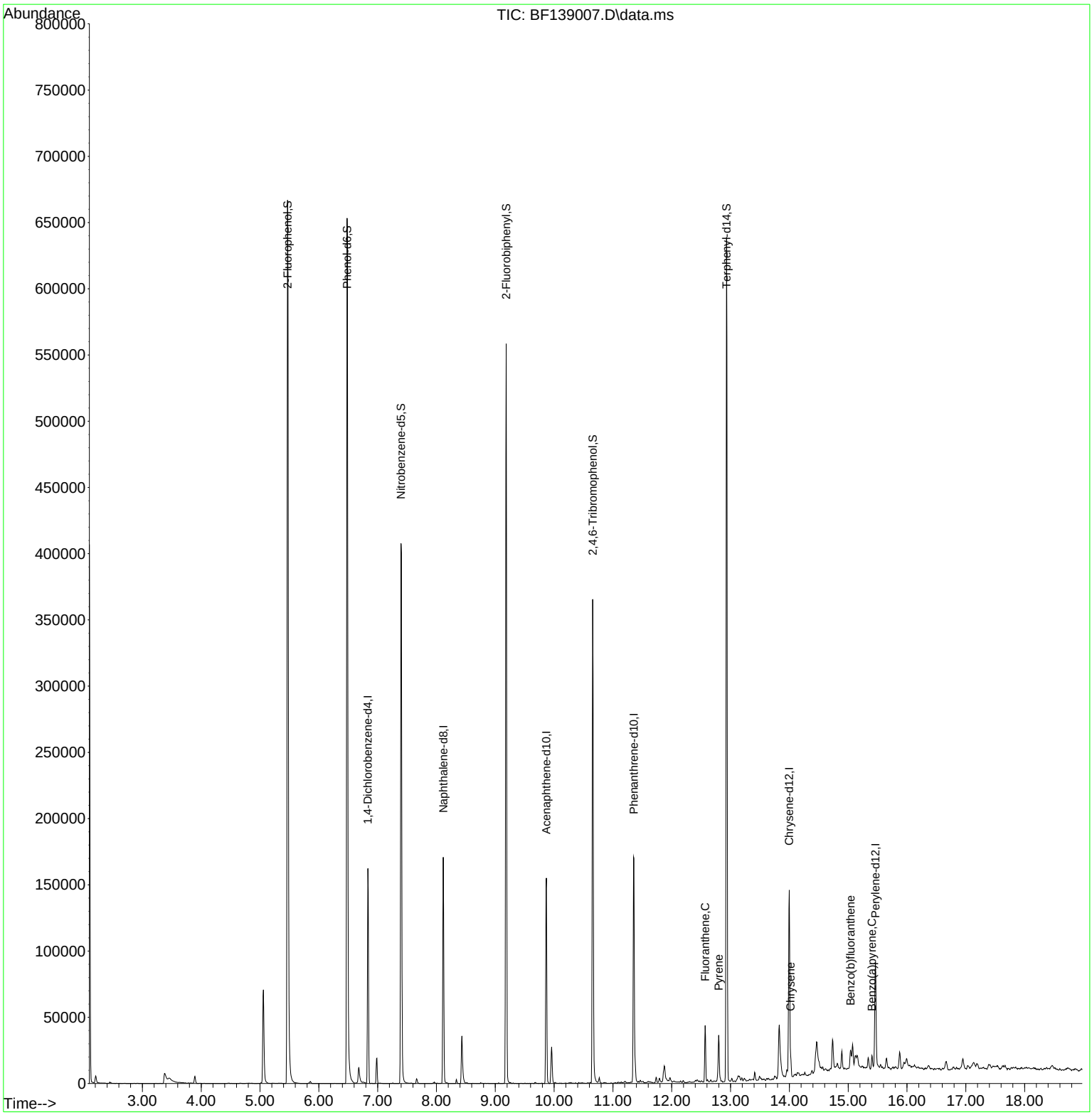
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139007.D
Acq On : 14 Aug 2024 21:47
Operator : RC/JU
Sample : P3475-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

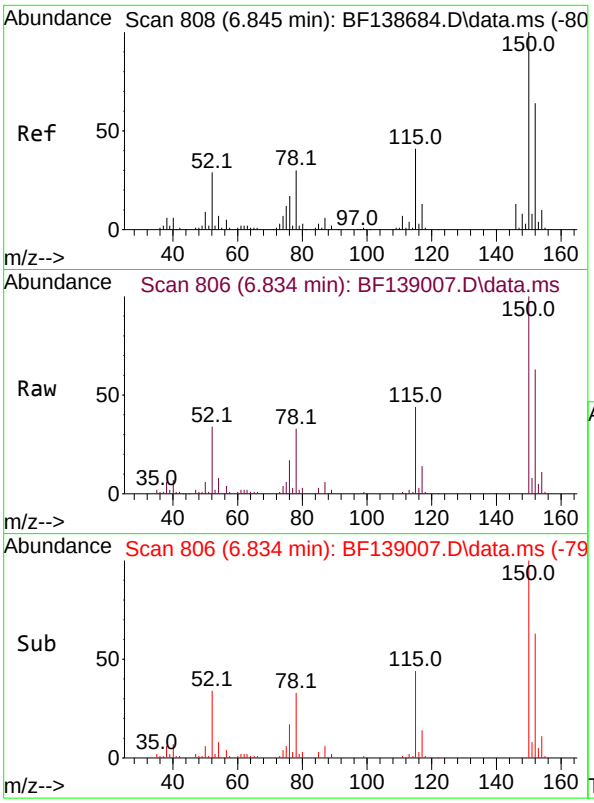
Quant Time: Aug 15 01:14:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

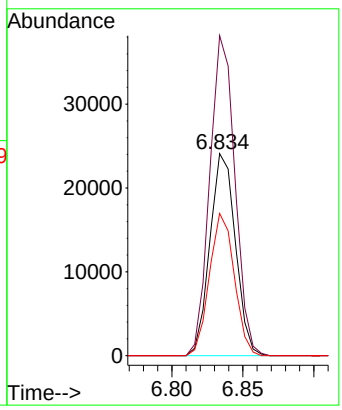




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:152 Resp: 3015

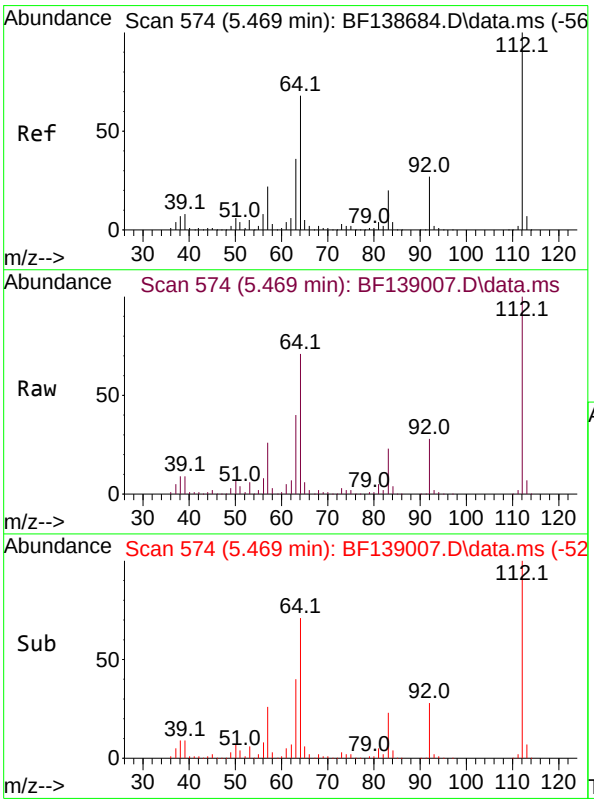
Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.0	189.0
115	70.4	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

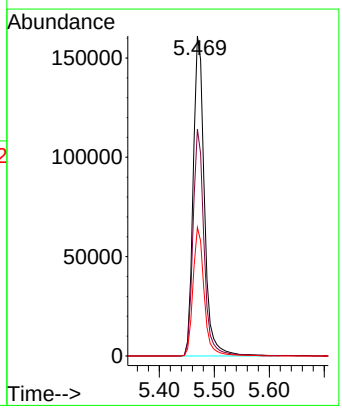
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

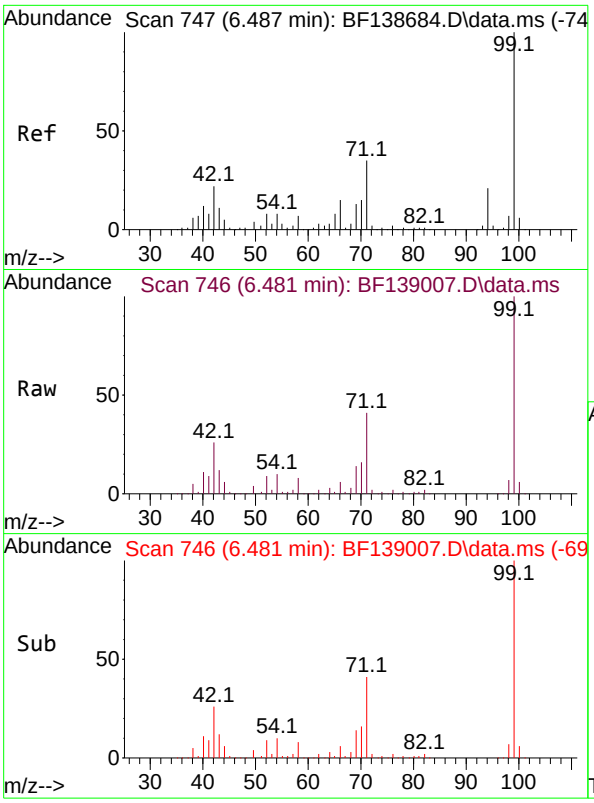


#5
2-Fluorophenol
Concen: 116.613 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:112 Resp: 227779

Ion	Ratio	Lower	Upper
112	100		
64	70.9	54.2	81.4
63	40.2	28.7	43.1





#7
Phenol-d6
Concen: 108.210 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

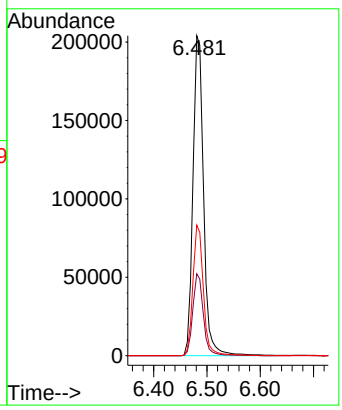
Tgt Ion: 99 Resp: 28378

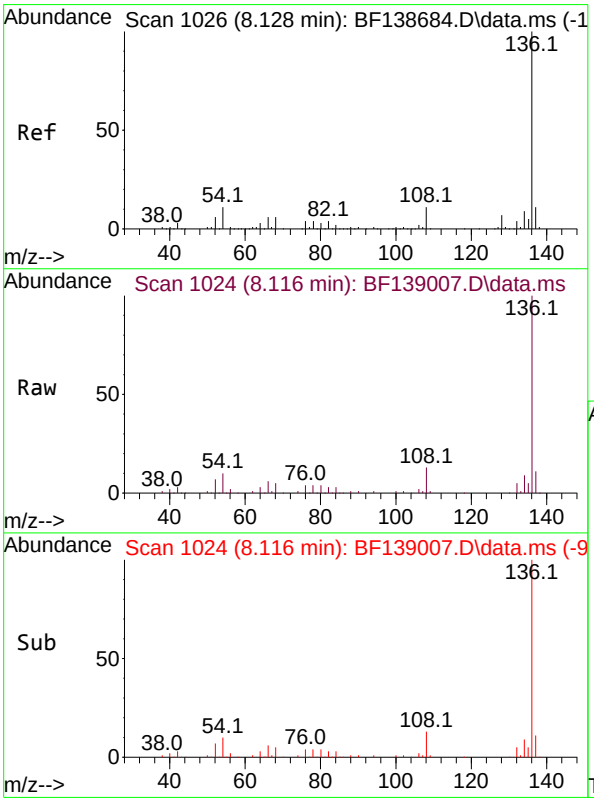
Ion	Ratio	Lower	Upper
99	100		
42	25.6	17.4	26.0
71	40.8	28.1	42.1

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

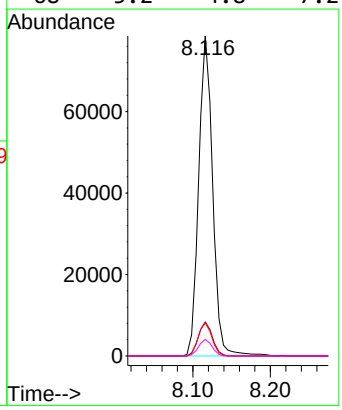


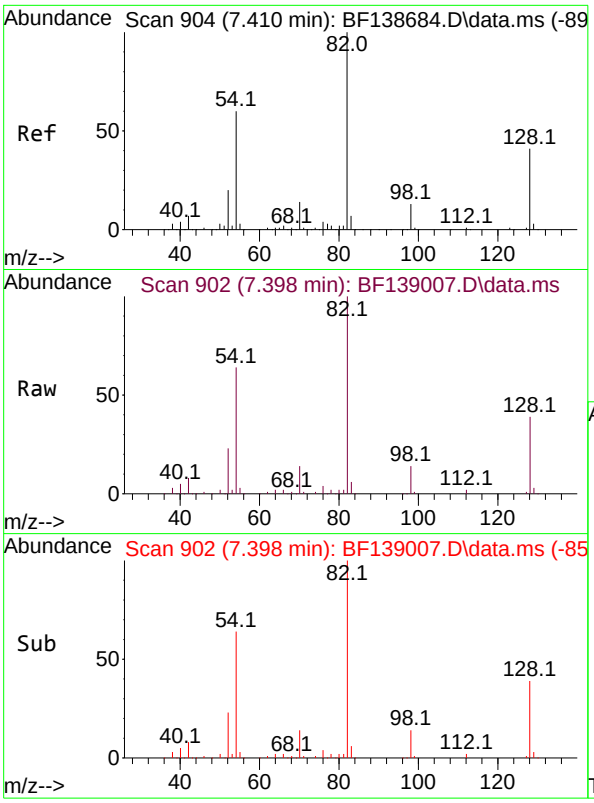


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:136 Resp: 98470

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.3	8.6	12.8
68	5.2	4.8	7.2





#23
Nitrobenzene-d5
Concen: 86.422 ng
RT: 7.398 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

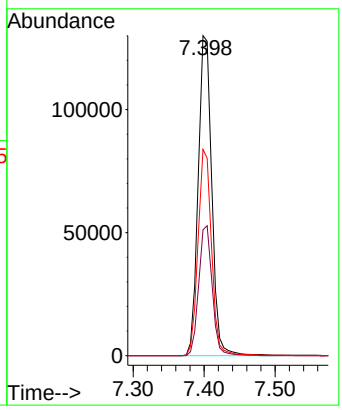
Tgt Ion: 82 Resp: 17405

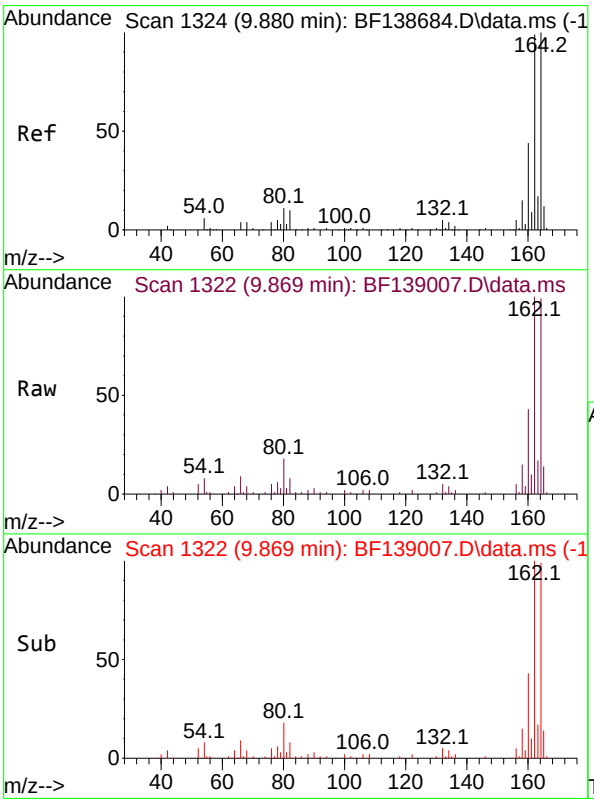
Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.8	49.2
54	64.5	48.3	72.5

Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

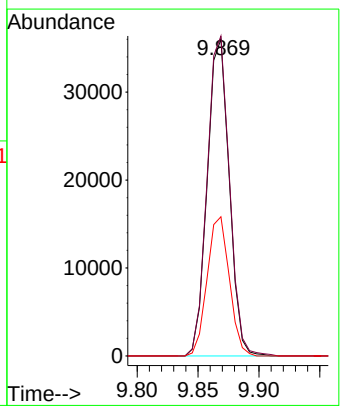


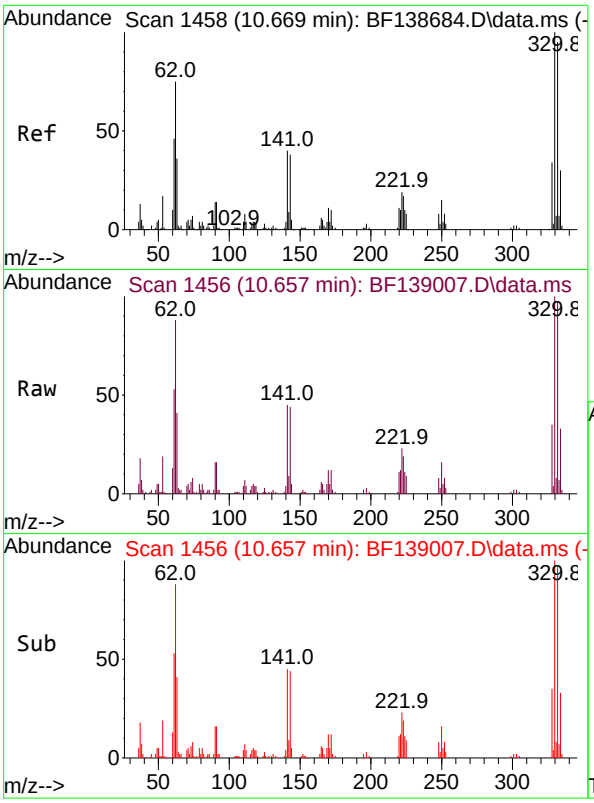


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:164 Resp: 45260

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.4	119.0
160	43.9	35.1	52.7

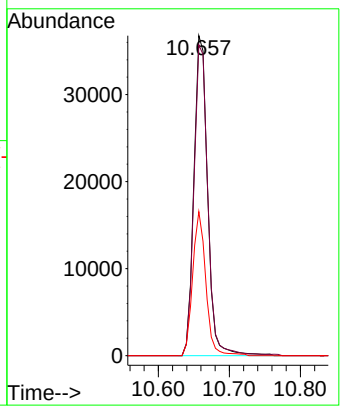




#42
2,4,6-Tribromophenol
Concen: 133.492 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:330 Resp: 4949

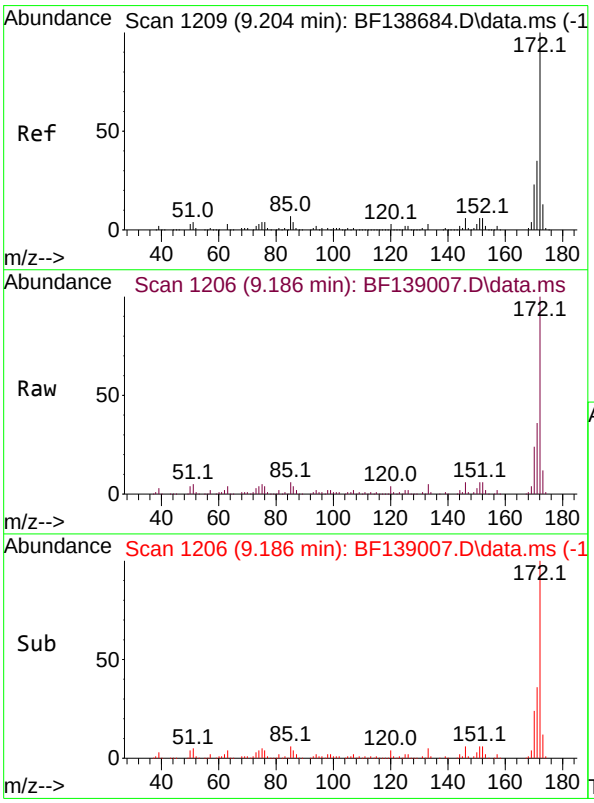
Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.4	114.6
141	43.2	31.1	46.7



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

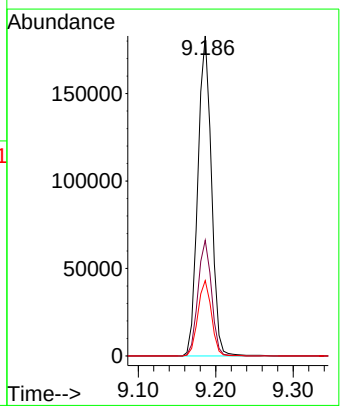
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

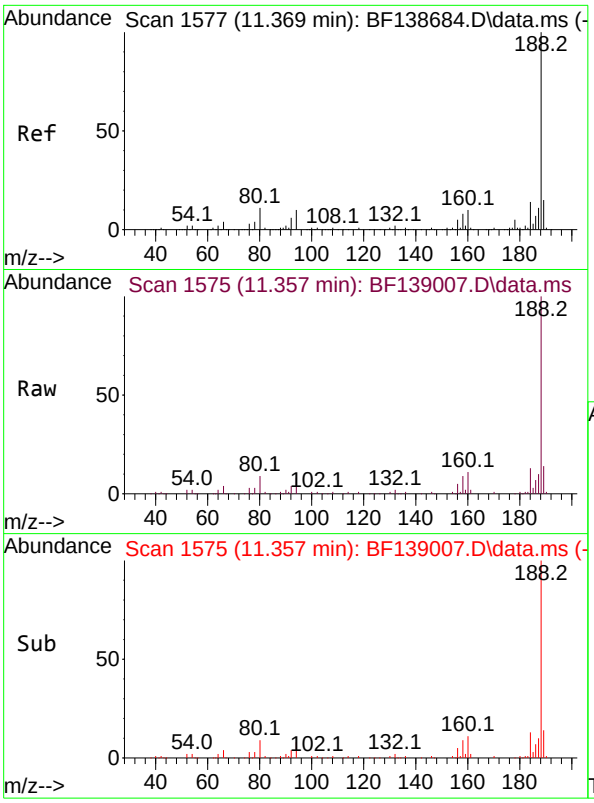


#45
2-Fluorobiphenyl
Concen: 73.684 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:172 Resp: 221959

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	23.6	18.8	28.2

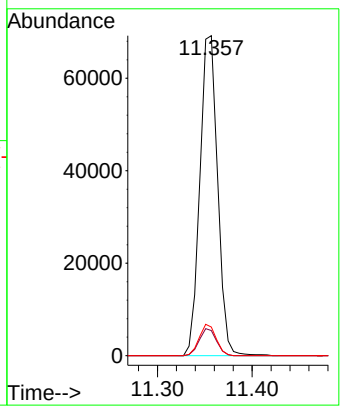




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:188 Resp: 9026

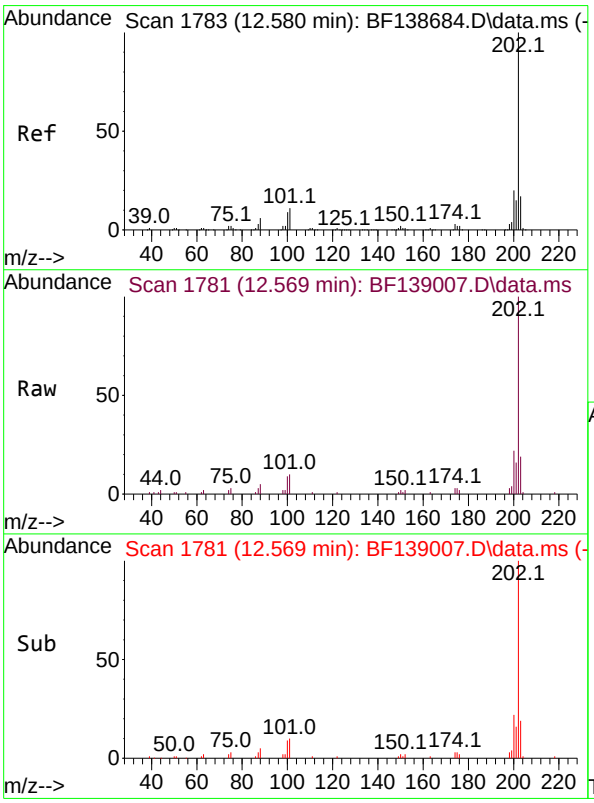
Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.6	11.4
80	8.9	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

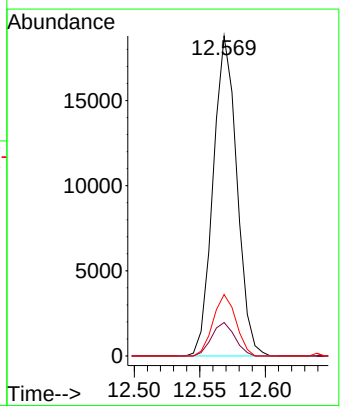
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

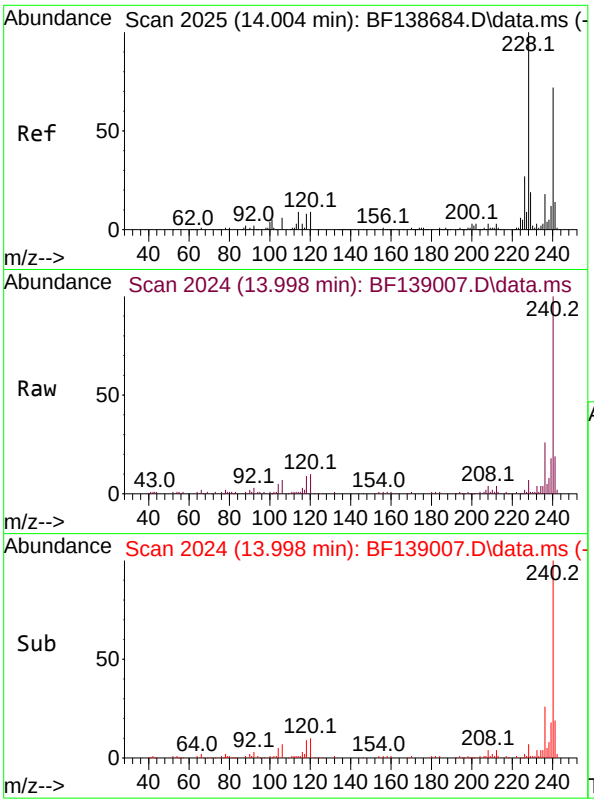


#75
Fluoranthene
Concen: 5.446 ng
RT: 12.569 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:202 Resp: 23630

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.2
203	19.2	0.0	37.3

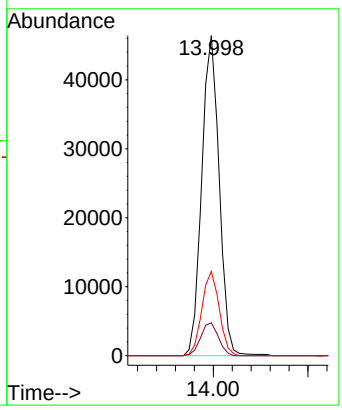




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:240 Resp: 5915

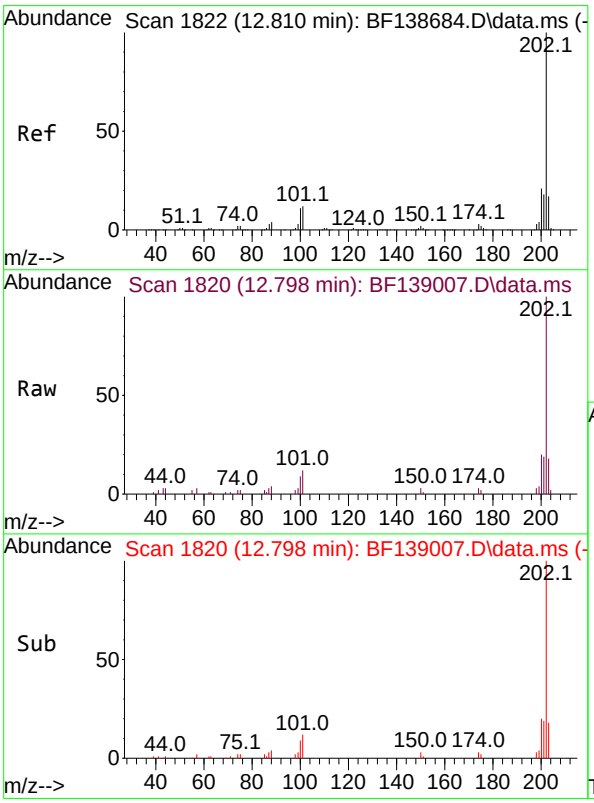
Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.2	15.4
236	26.3	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

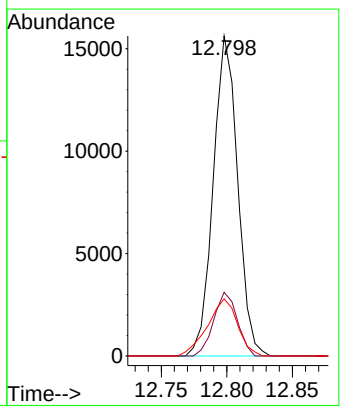
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

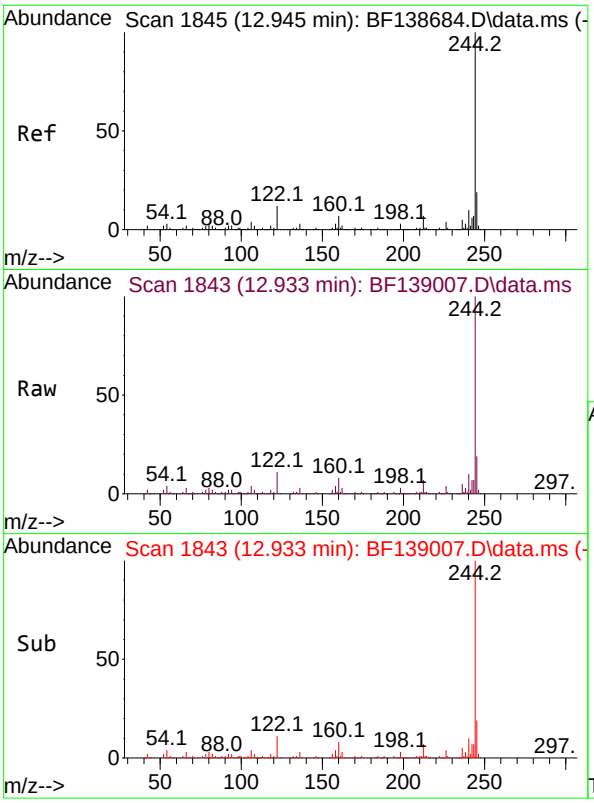


#78
Pyrene
Concen: 3.627 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:202 Resp: 20203

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.8	25.2
203	17.9	13.8	20.6

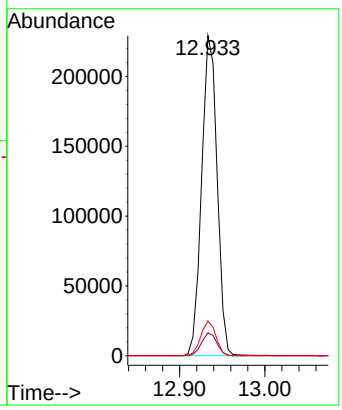




#79
Terphenyl-d14
Concen: 81.840 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:244 Resp: 28916

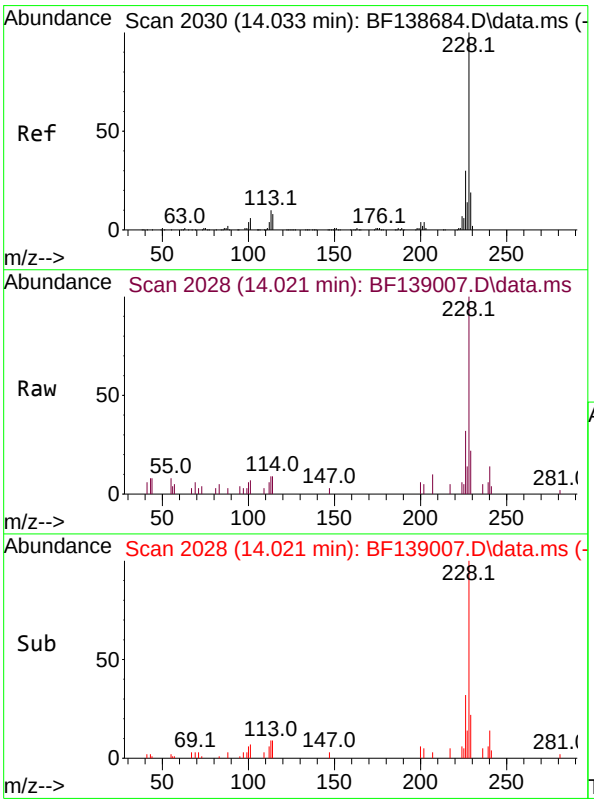
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.2
122	10.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

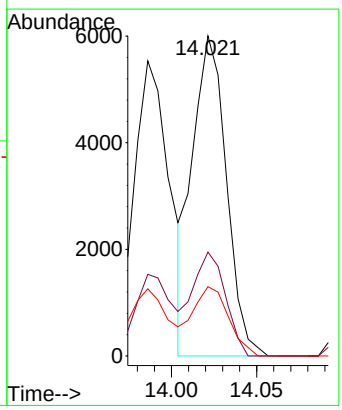
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

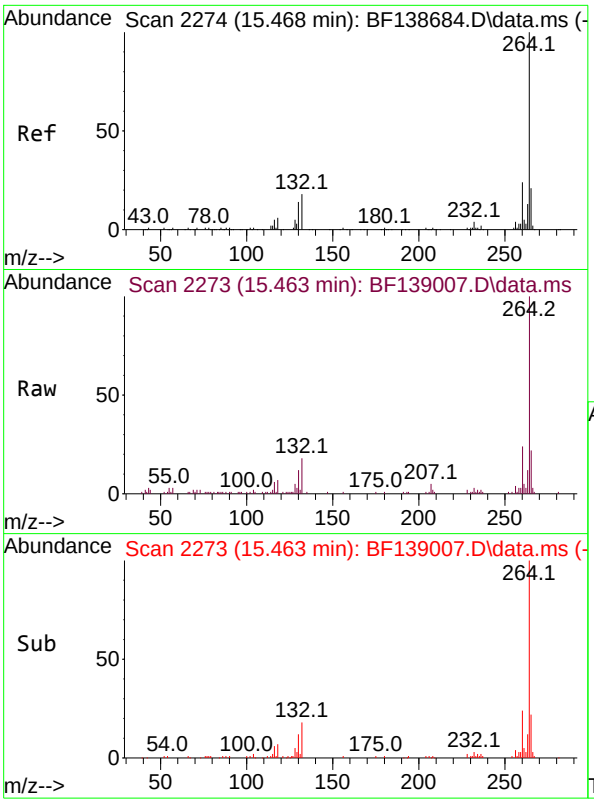


#83
Chrysene
Concen: 2.260 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:228 Resp: 8307

Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.7	35.5
229	21.7	15.0	22.6

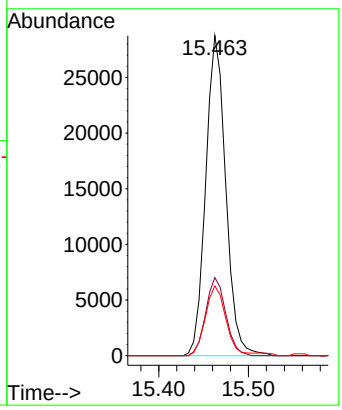




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:264 Resp: 4459

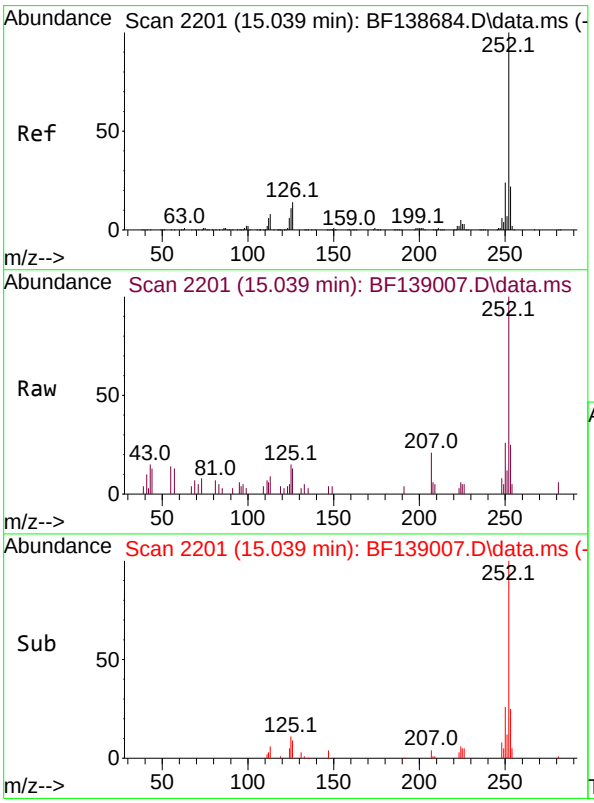
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	21.8	17.0	25.6



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

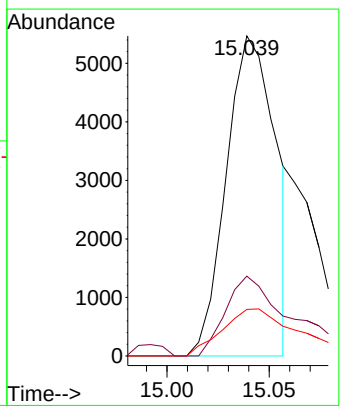
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

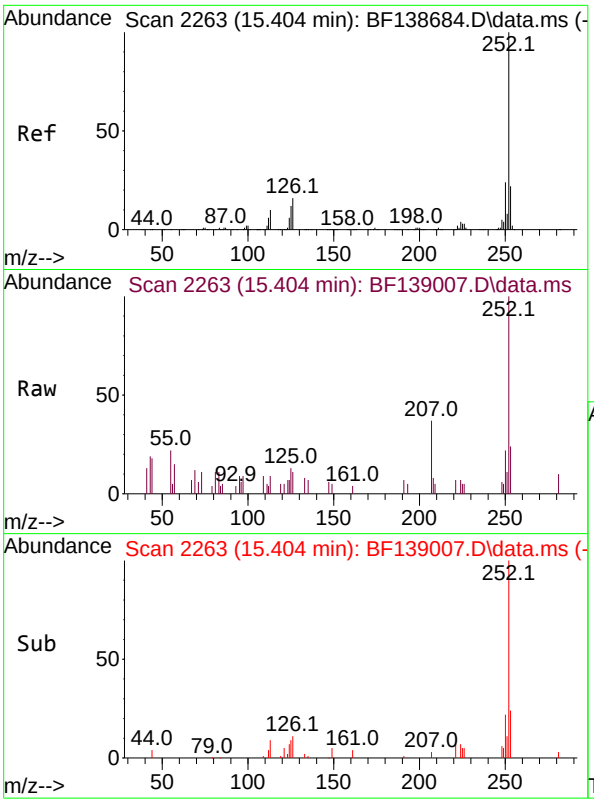


#88
Benzo(b)fluoranthene
Concen: 3.329 ng m
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:252 Resp: 9202

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	14.5	8.9	13.3#

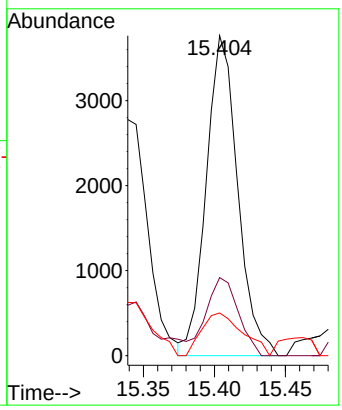




#90
Benzo(a)pyrene
Concen: 2.492 ng
RT: 15.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:252 Resp: 579

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	13.4	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

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

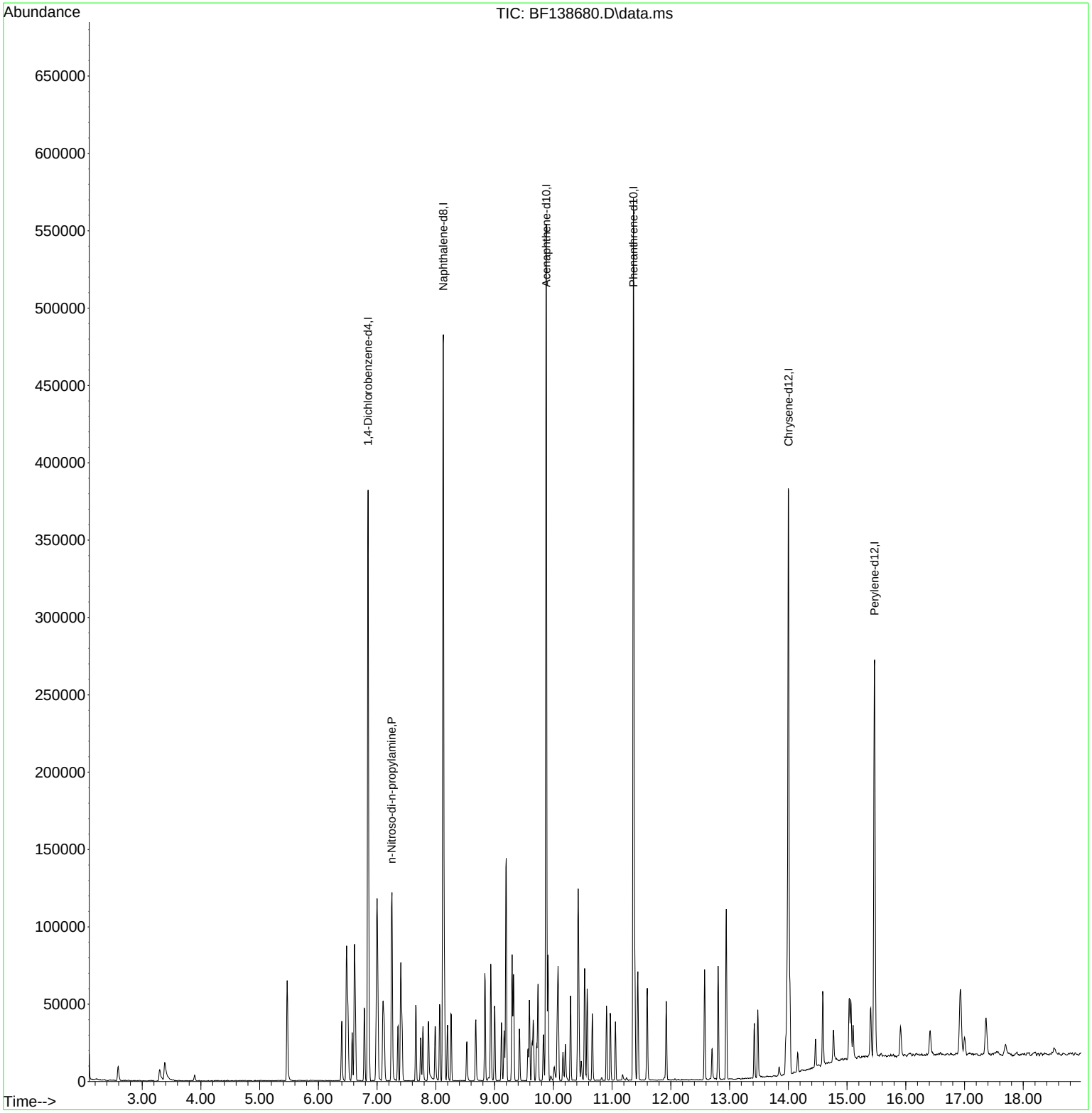
(#) = qualifier out of range (m) = manual integration (+) = signals summed

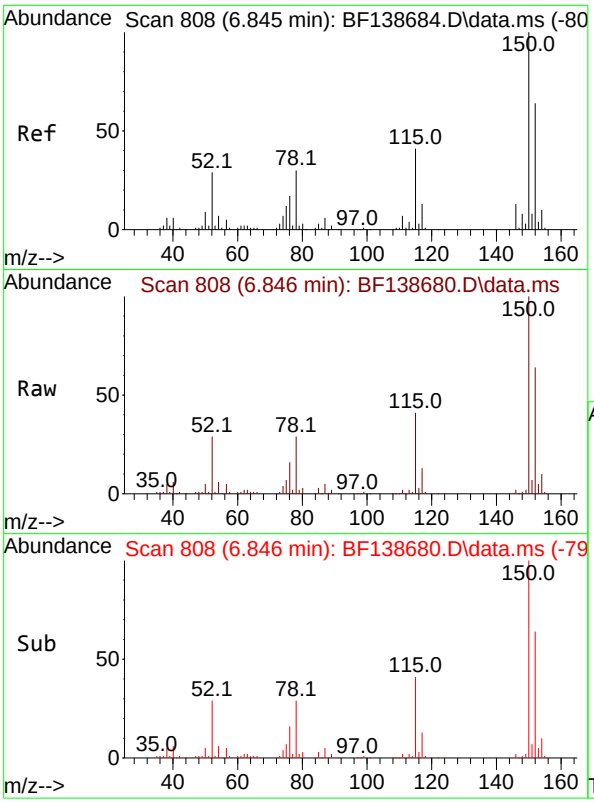
ICAL Form

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



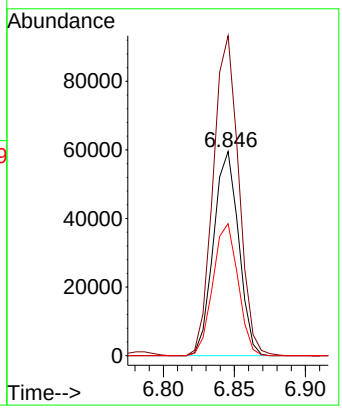


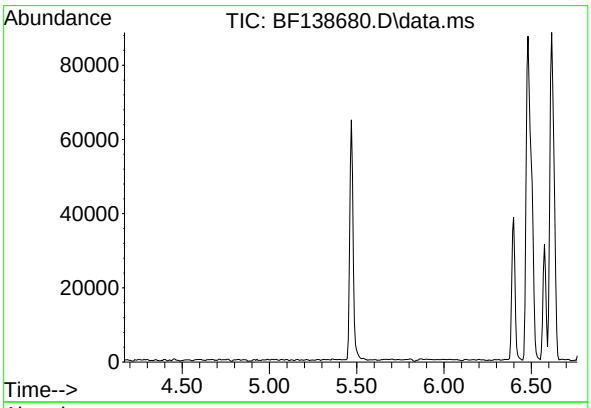
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



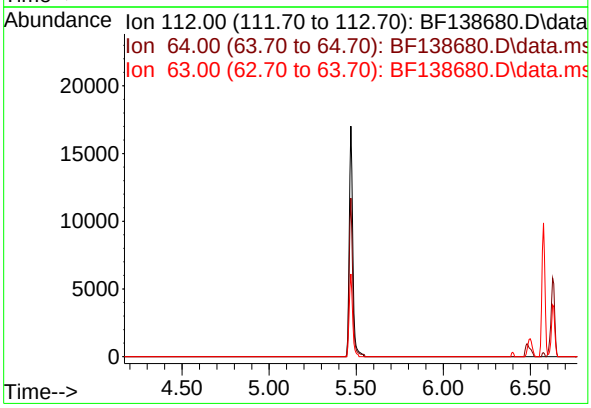


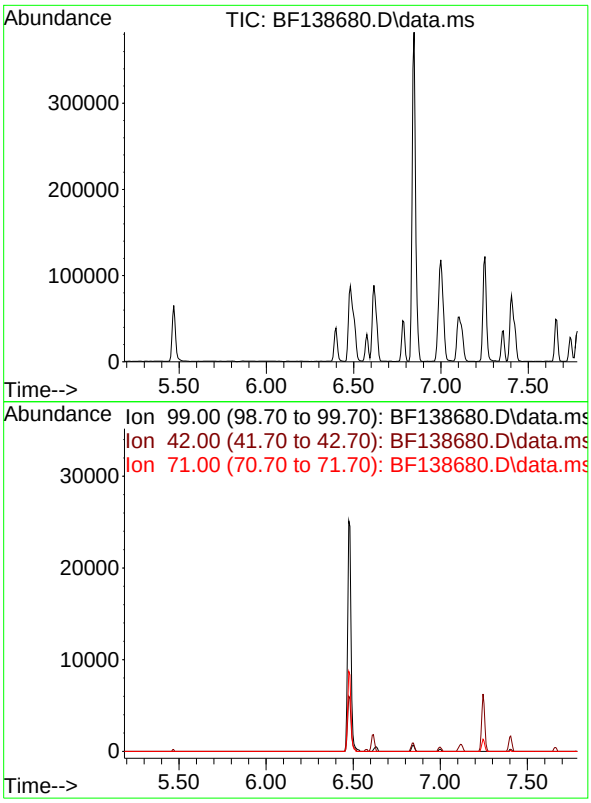
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.47 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.8
63	35.9





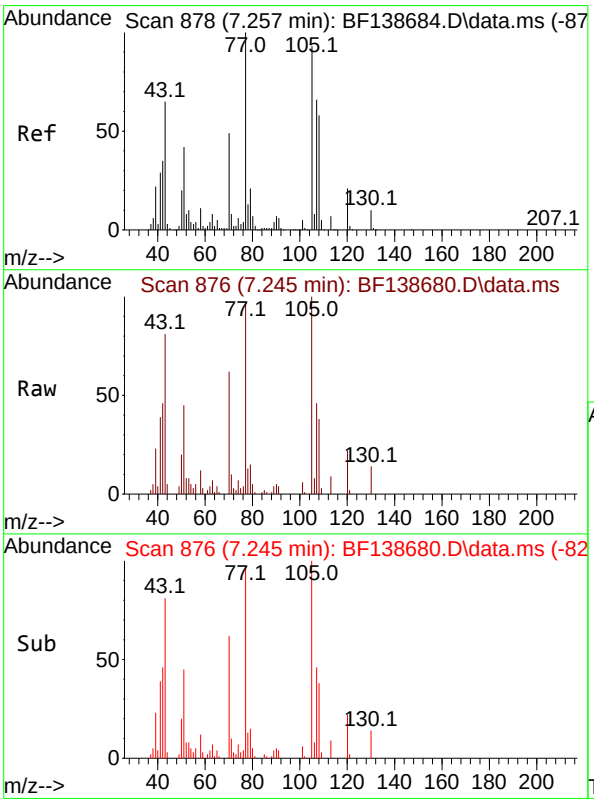
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.49 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

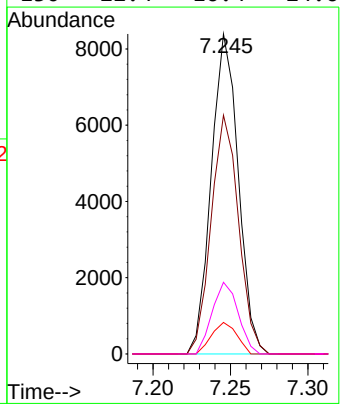
Sig	Exp Ratio
99	100
42	21.7
71	35.1

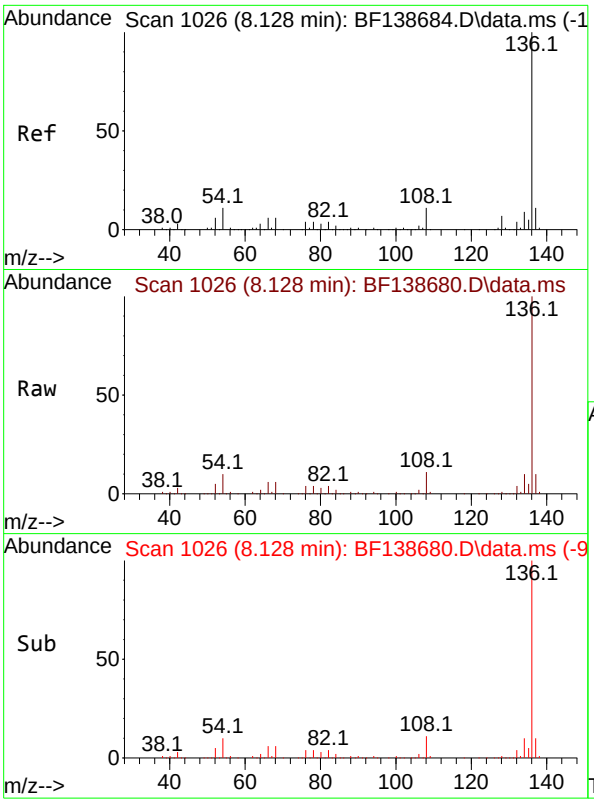


#19
n-Nitroso-di-n-propylamine
Concen: 2.640 ng
RT: 7.245 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



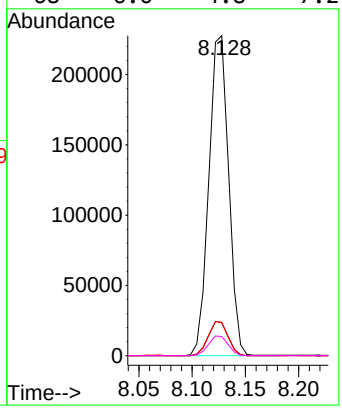


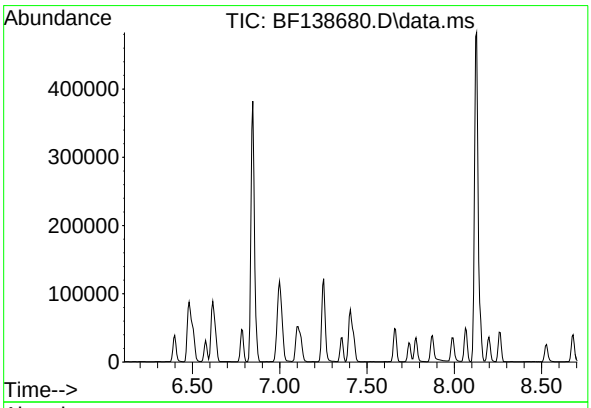
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



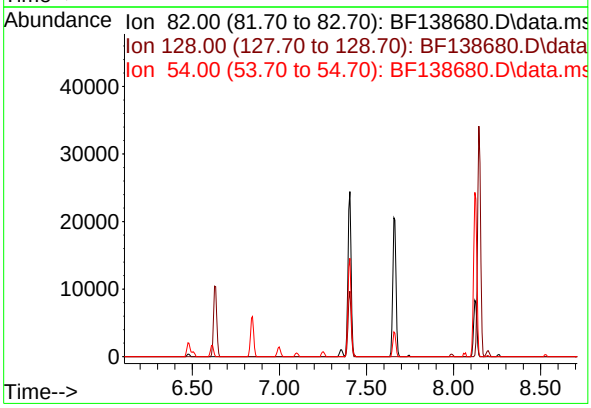


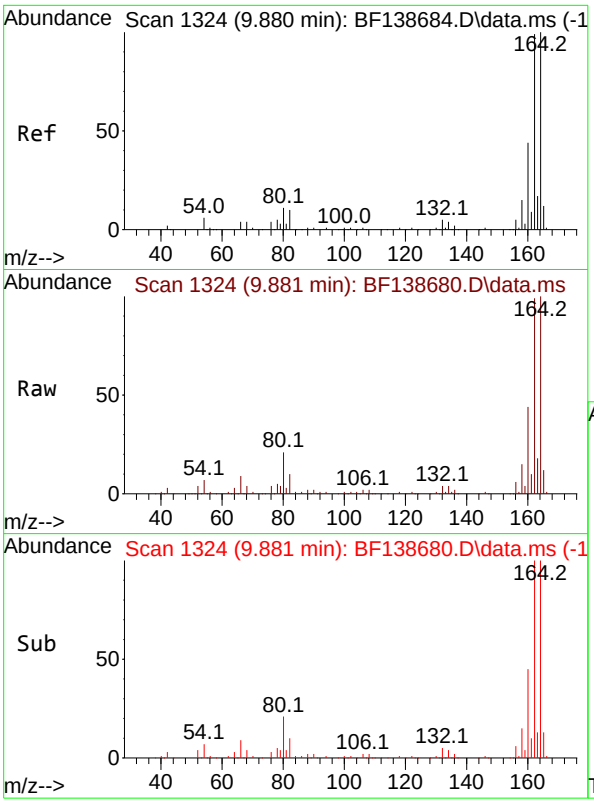
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.41 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.0
54	60.4



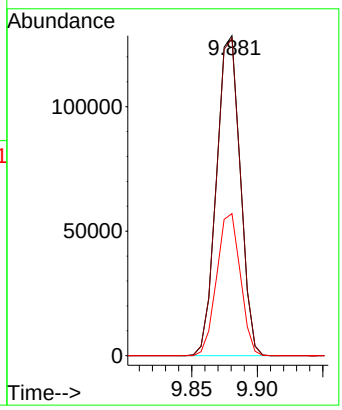


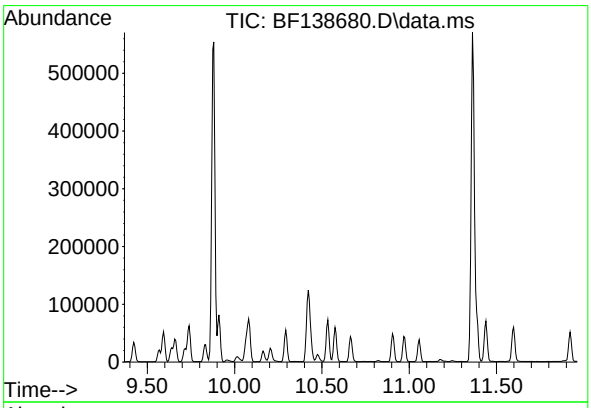
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



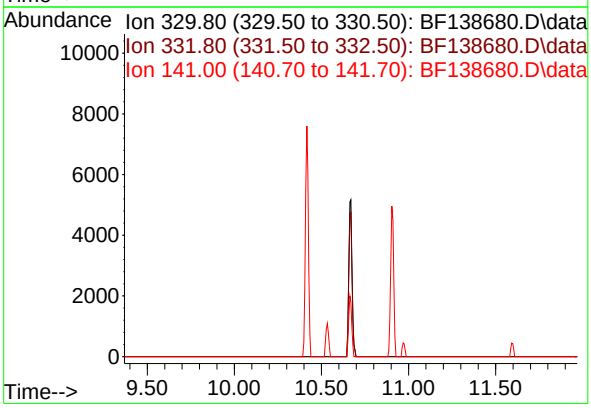


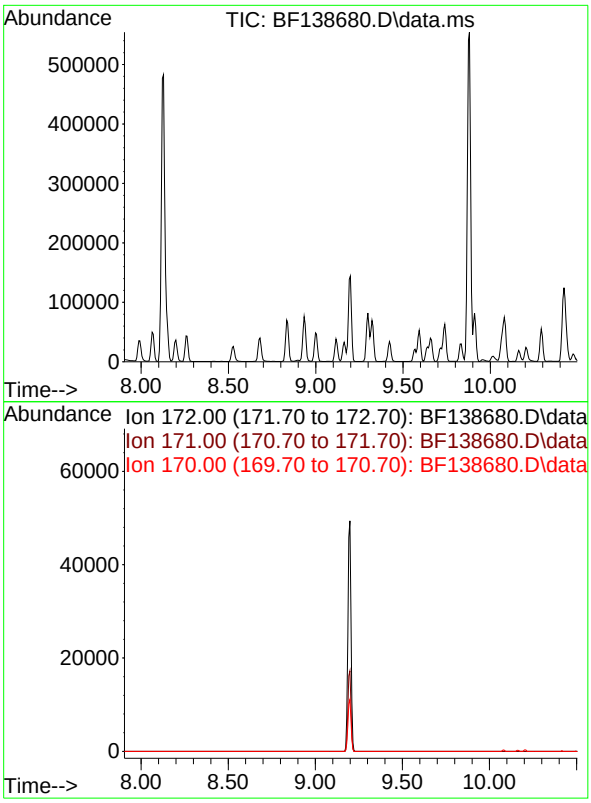
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.67 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.5
141	38.9





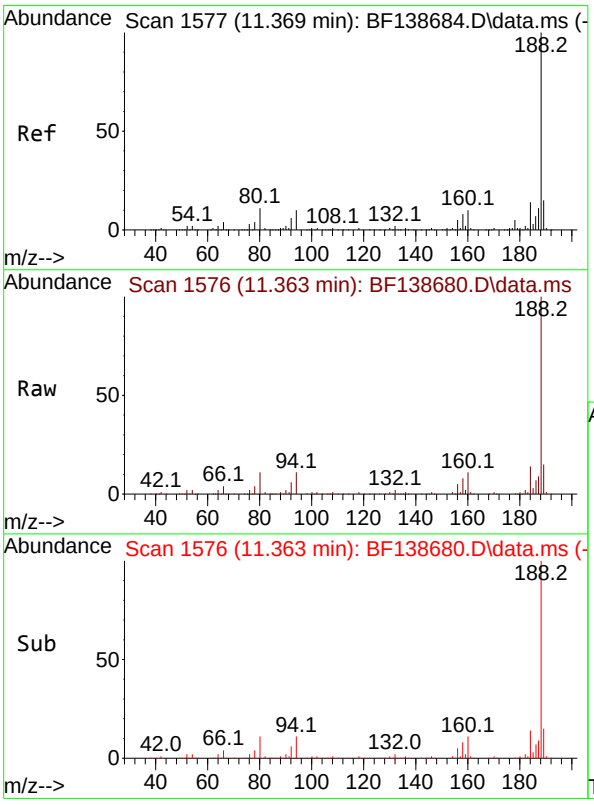
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.20 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

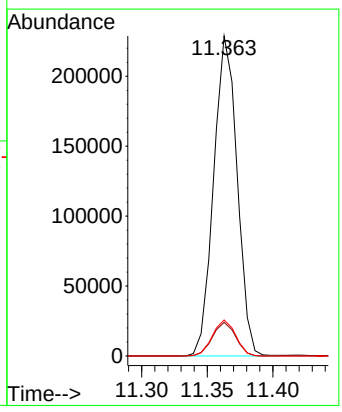
Sig	Exp Ratio
172	100
171	35.4
170	23.5

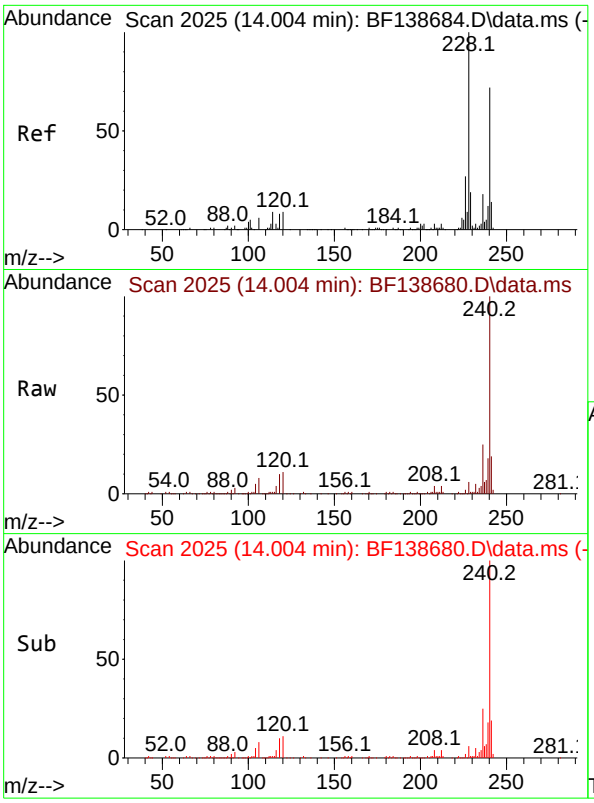


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



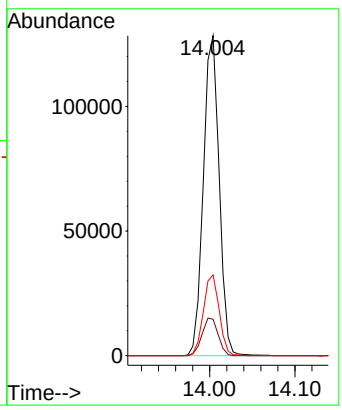


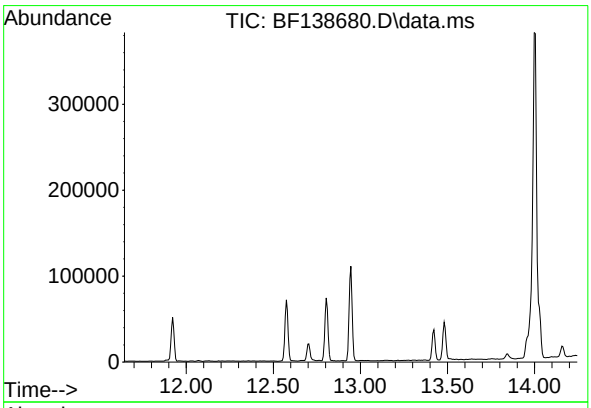
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



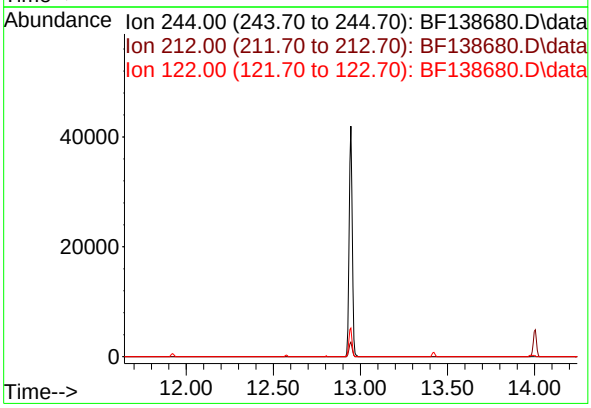


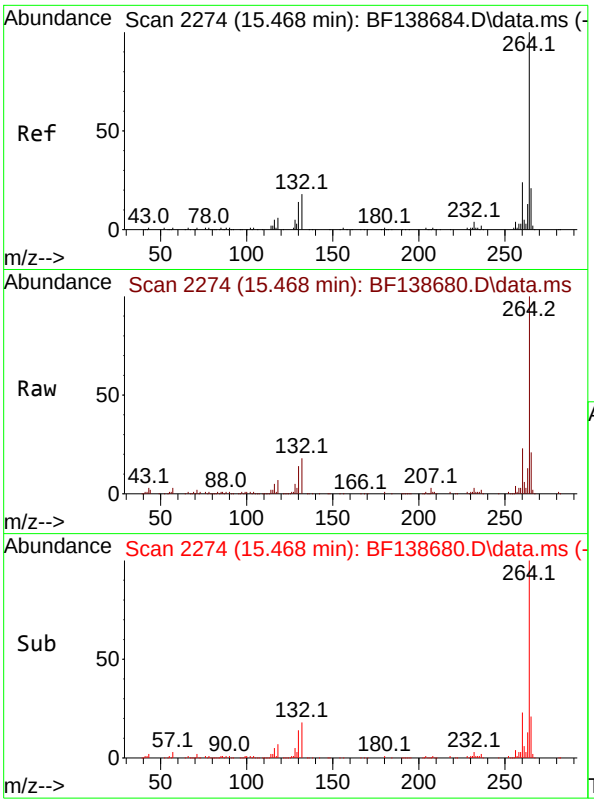
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.95 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.8
122	12.0



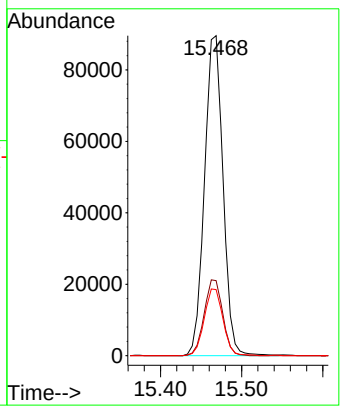


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138680.D
Acq: 30 Jul 2024 12:54

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



Quantitation Report (QT Reviewed)

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

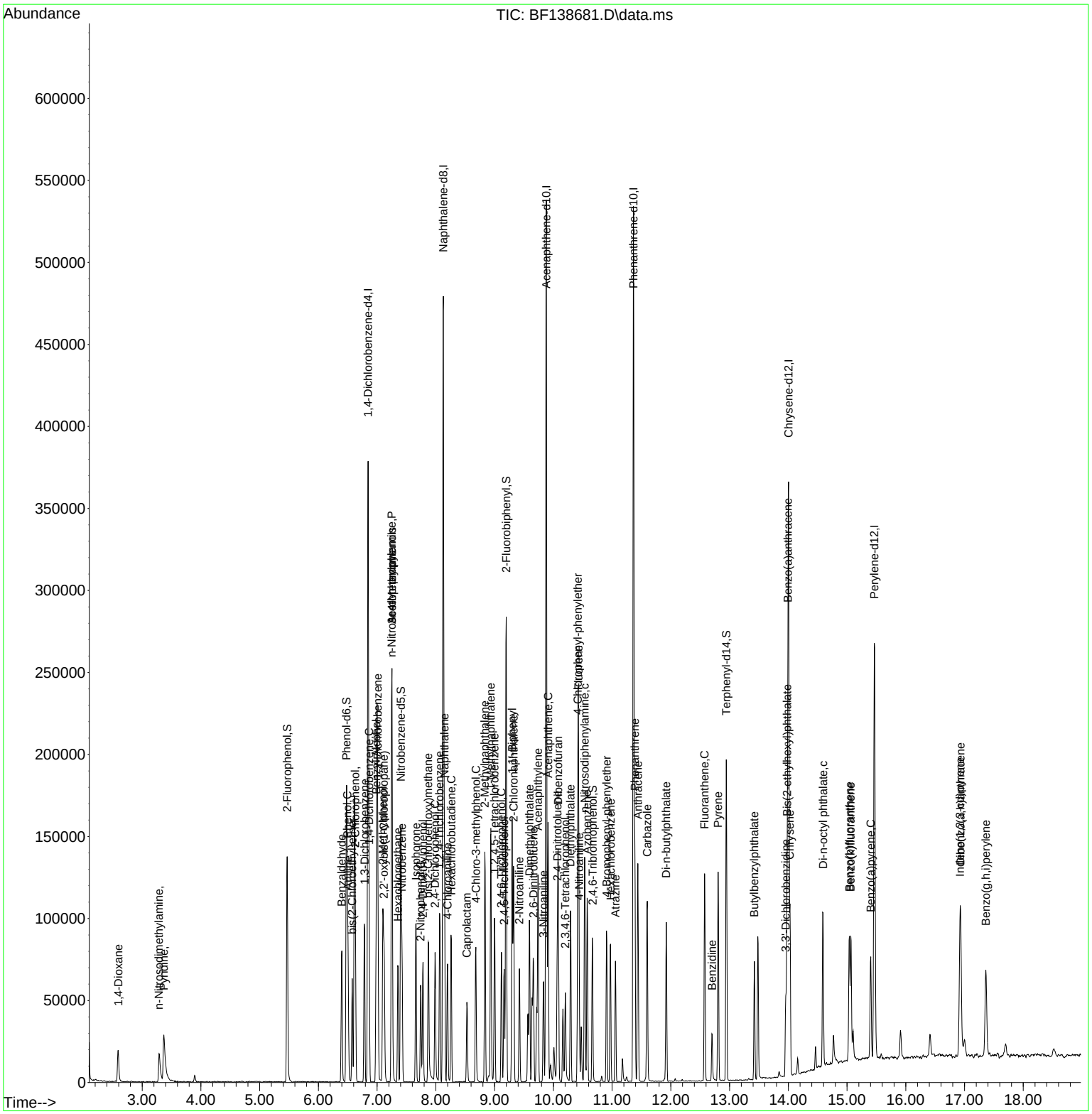
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.322	162	49660	5.421	ng		100
48) 2-Nitroaniline	9.422	65	15473	4.982	ng		95
49) Acenaphthylene	9.739	152	70622	5.435	ng		99
50) Dimethylphthalate	9.592	163	52521	5.223	ng		99
51) 2,6-Dinitrotoluene	9.663	165	11264	4.963	ng		95
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

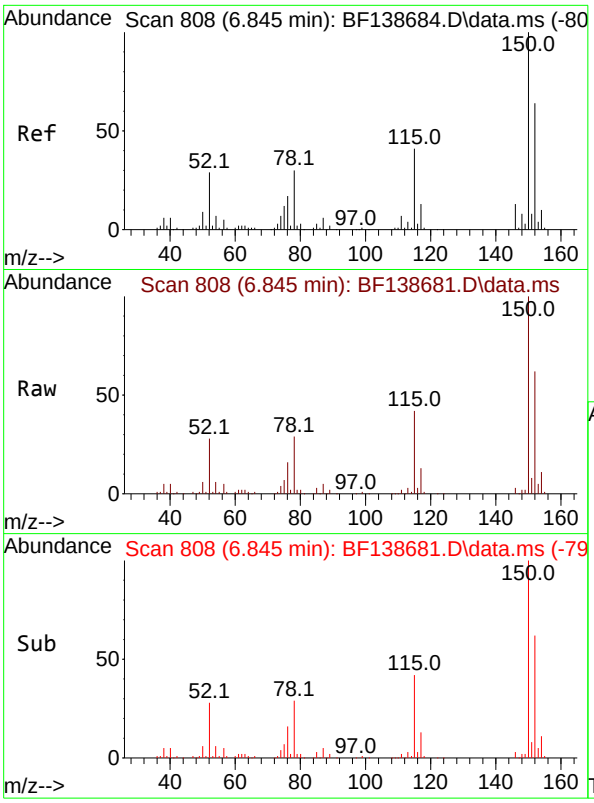
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138681.D
Acq On : 30 Jul 2024 13:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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
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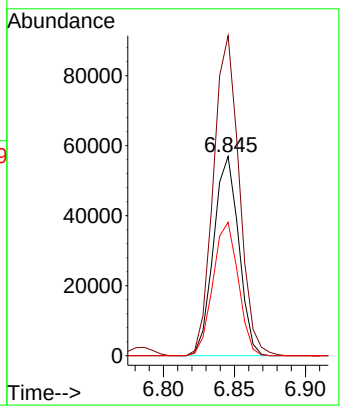


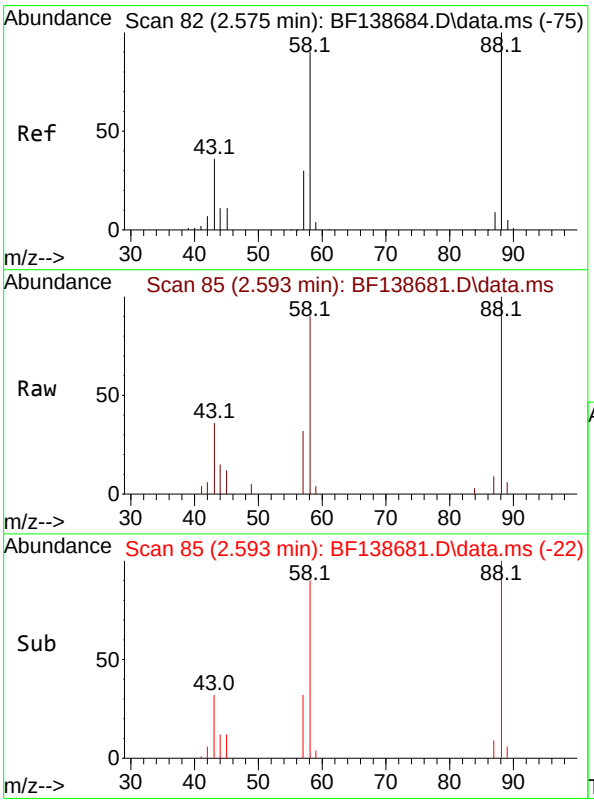
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

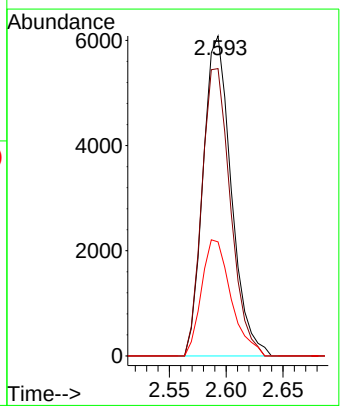


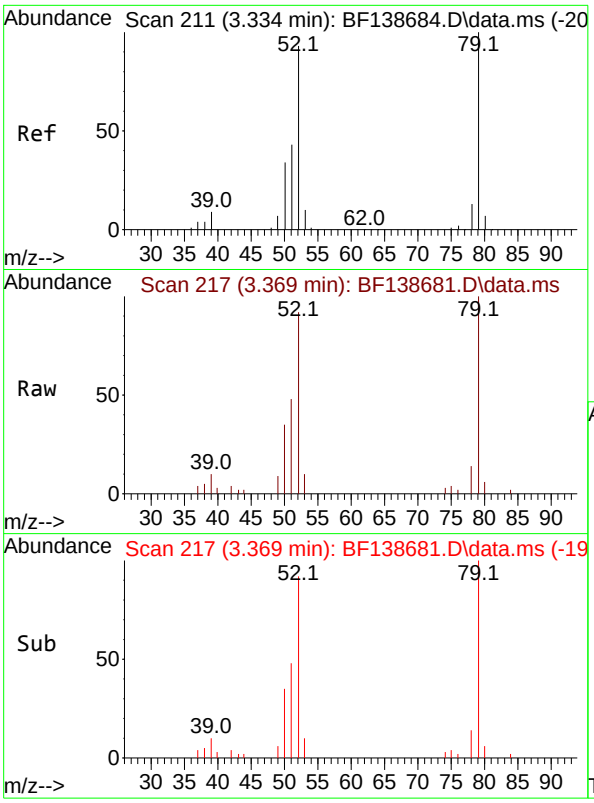


#2
1,4-Dioxane
Concen: 5.260 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



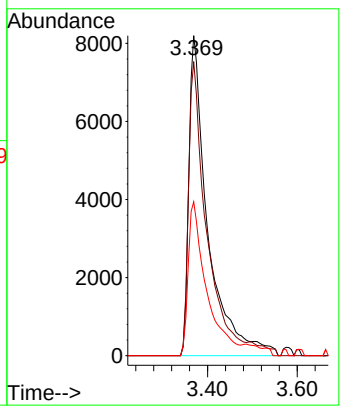


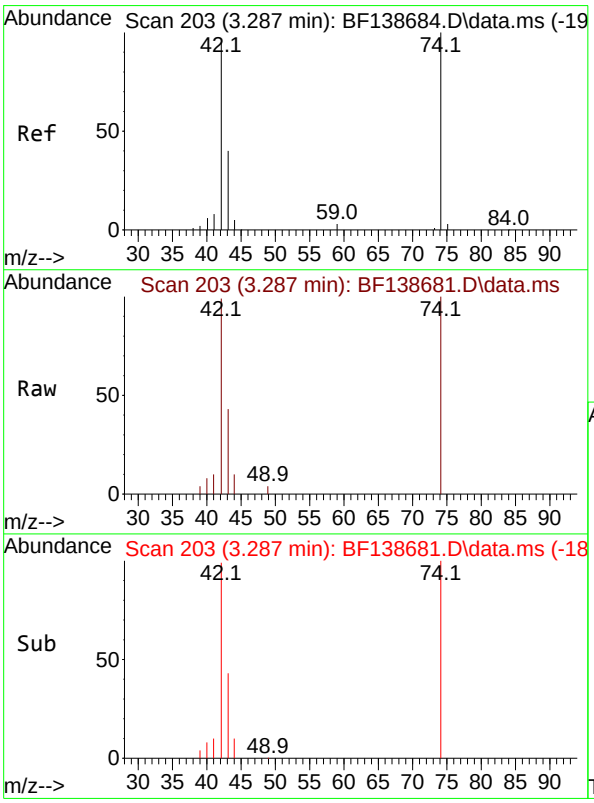
#3
Pyridine
Concen: 4.995 ng
RT: 3.369 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

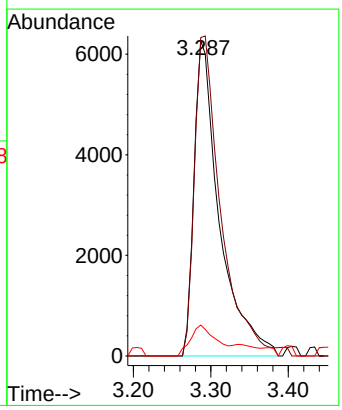


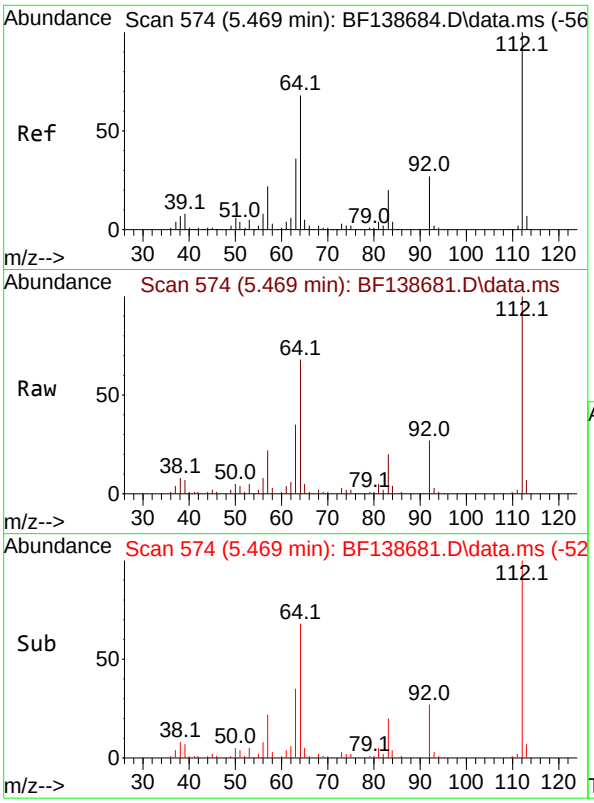


#4
n-Nitrosodimethylamine
Concen: 4.965 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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#



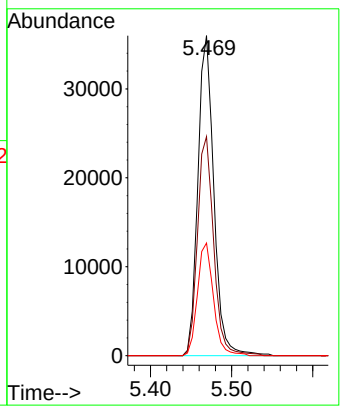


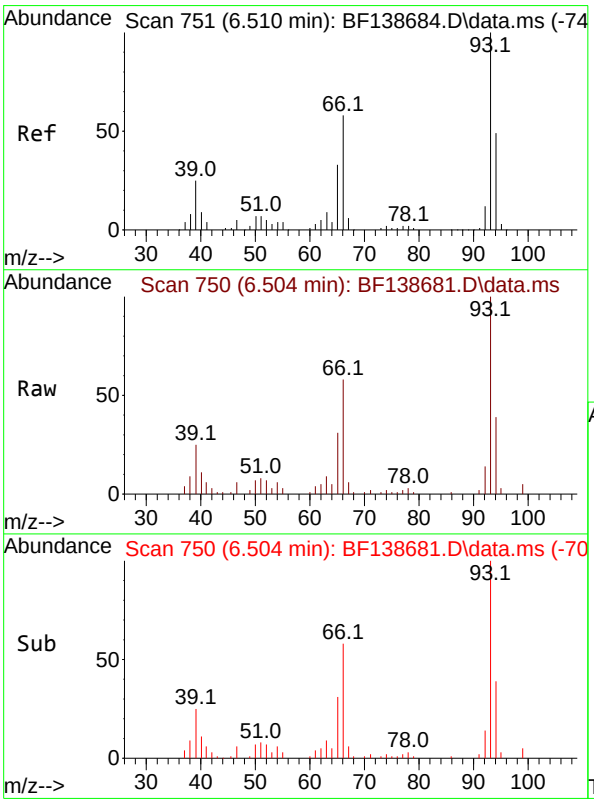
#5
2-Fluorophenol
Concen: 10.834 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

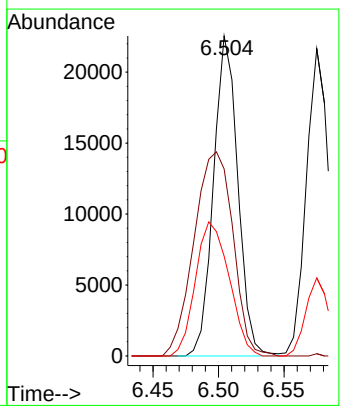


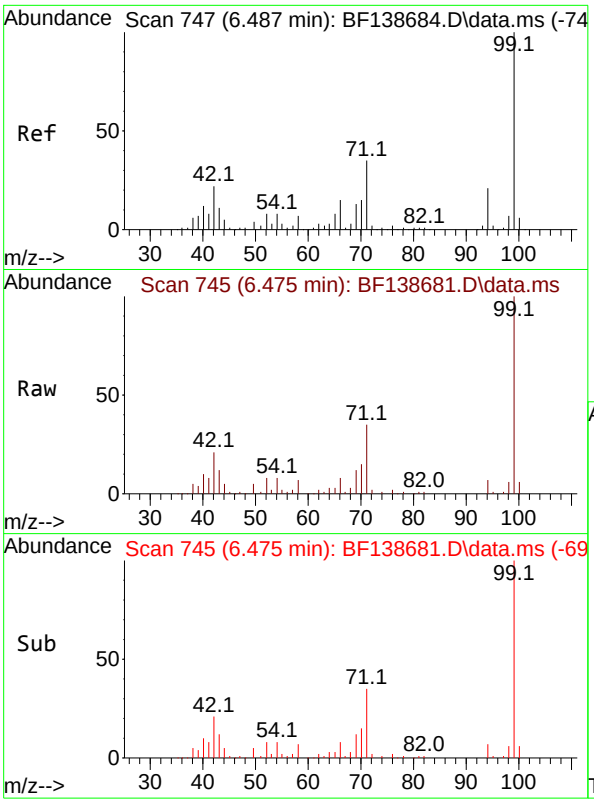


#6
Aniline
Concen: 5.339 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



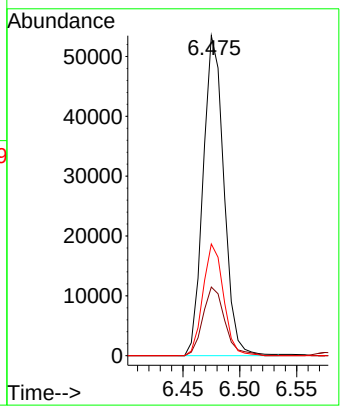


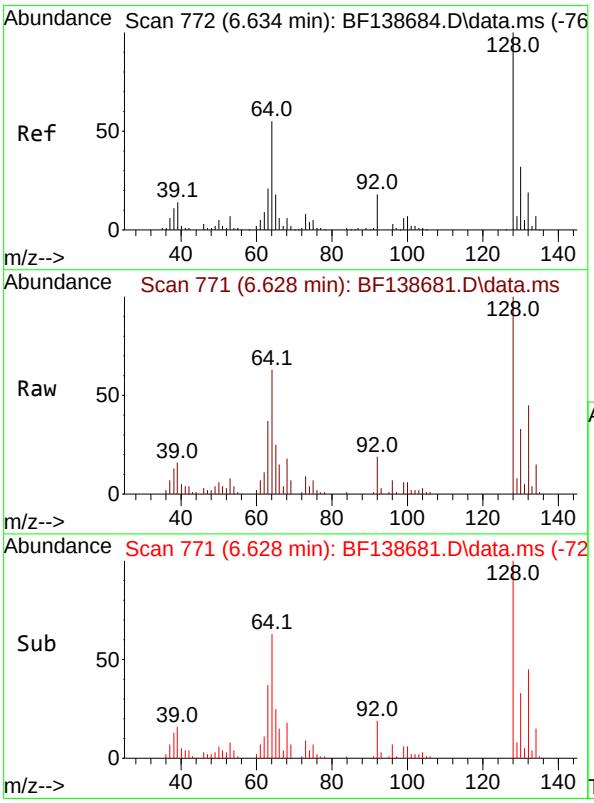
#7
Phenol-d6
Concen: 11.140 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

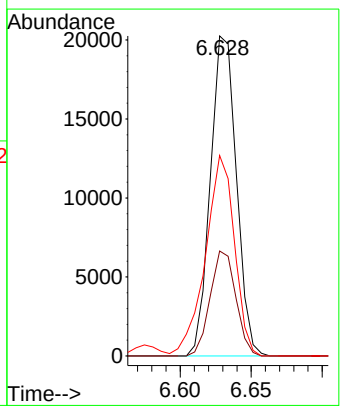


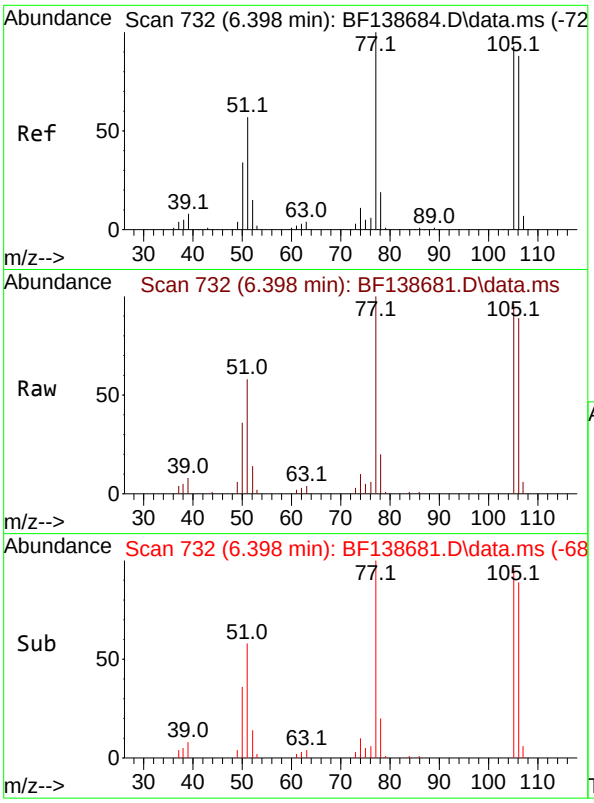


#8
2-Chlorophenol
Concen: 5.397 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



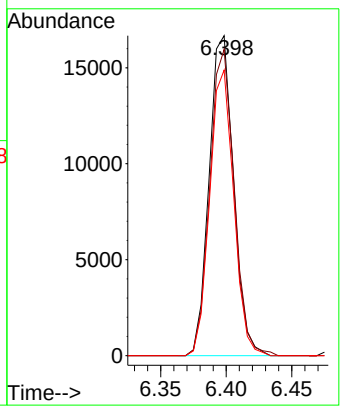


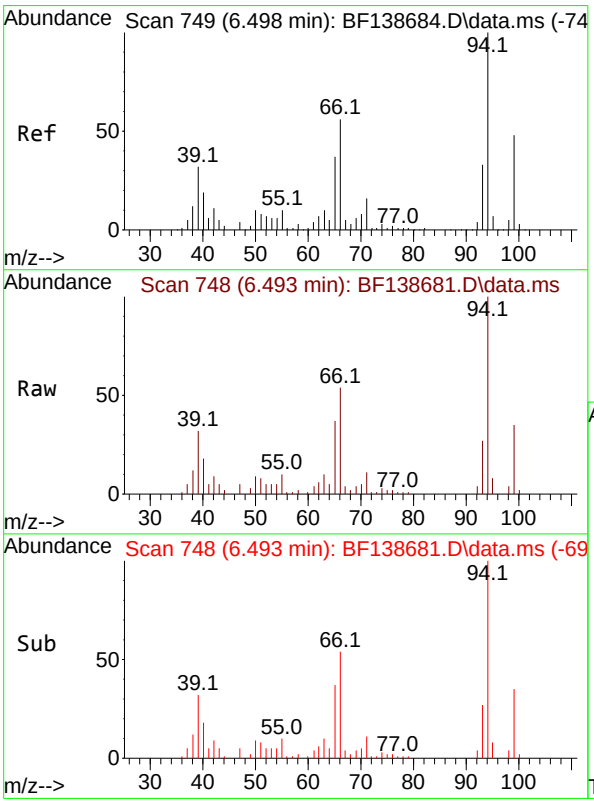
#9
Benzaldehyde
Concen: 5.896 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

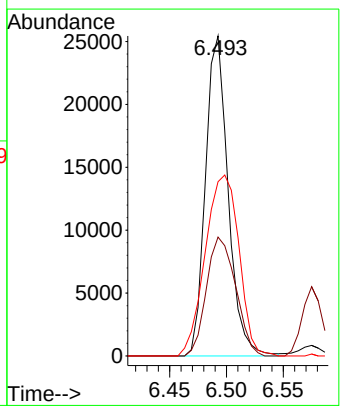


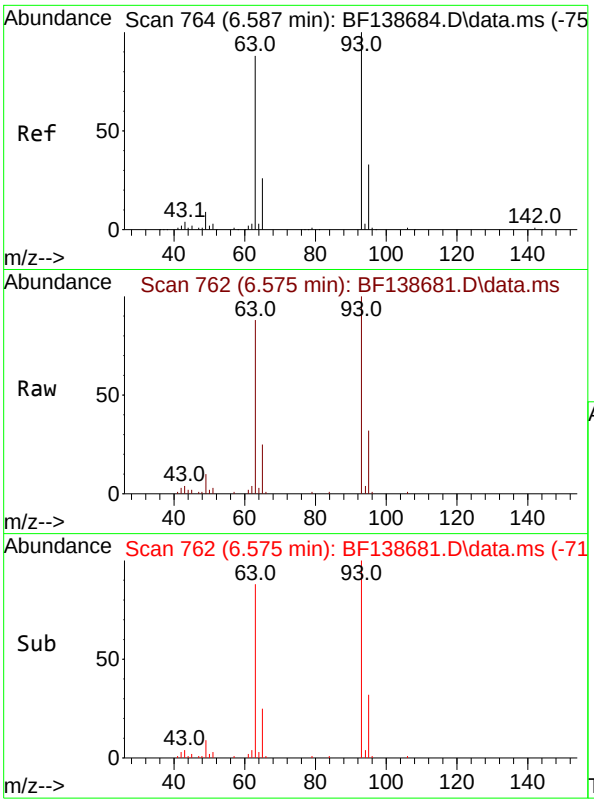


#10
Phenol
Concen: 5.492 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



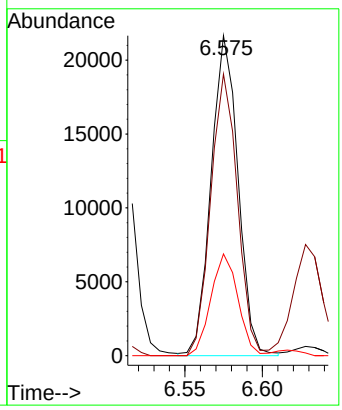


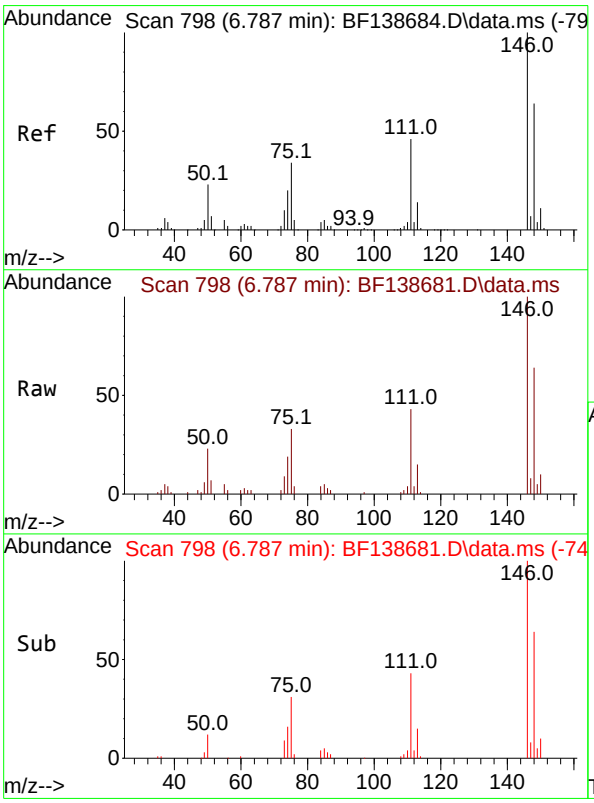
#11
bis(2-Chloroethyl)ether
Concen: 5.302 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

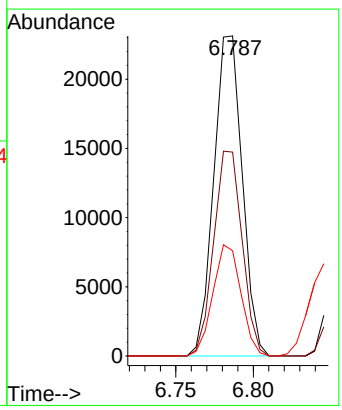


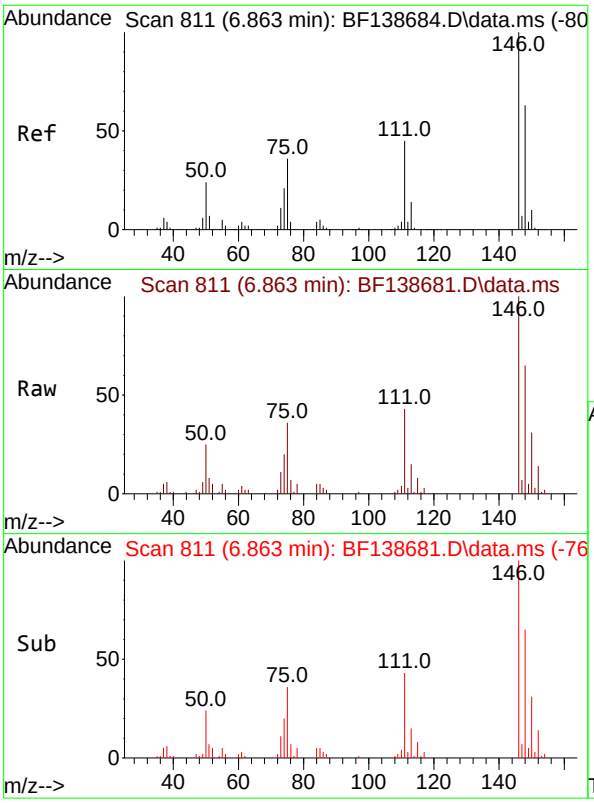


#12
1,3-Dichlorobenzene
Concen: 5.529 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



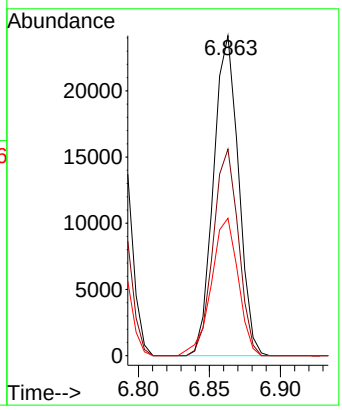


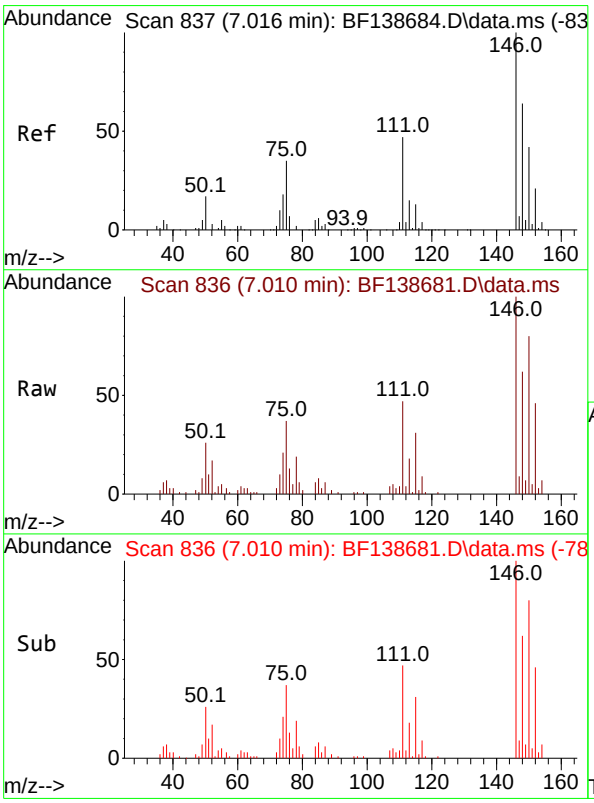
#13
1,4-Dichlorobenzene
Concen: 5.485 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

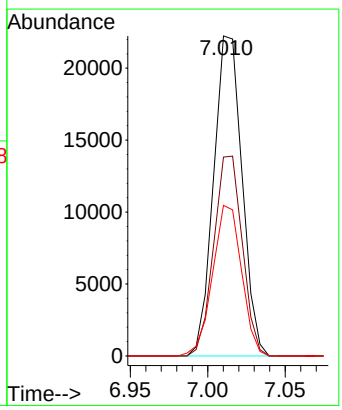


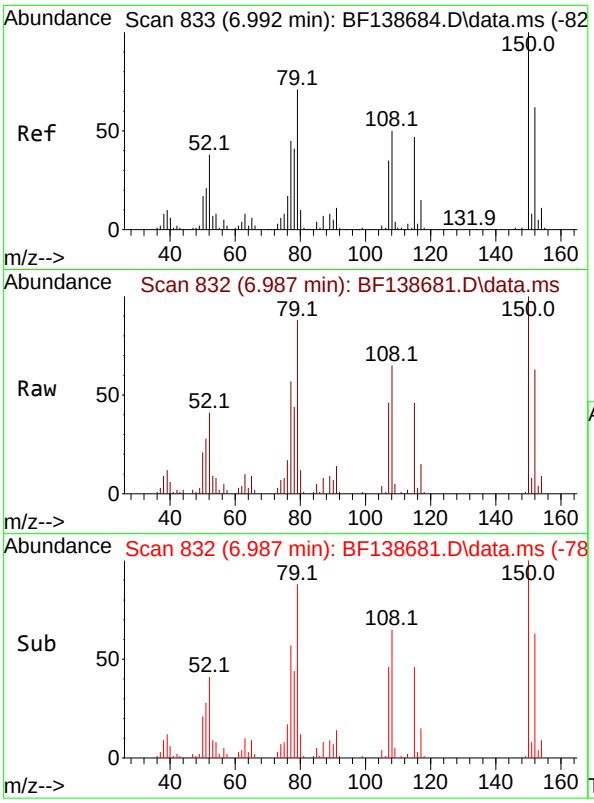


#14
1,2-Dichlorobenzene
Concen: 5.630 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



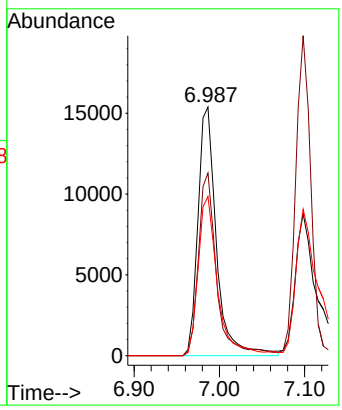


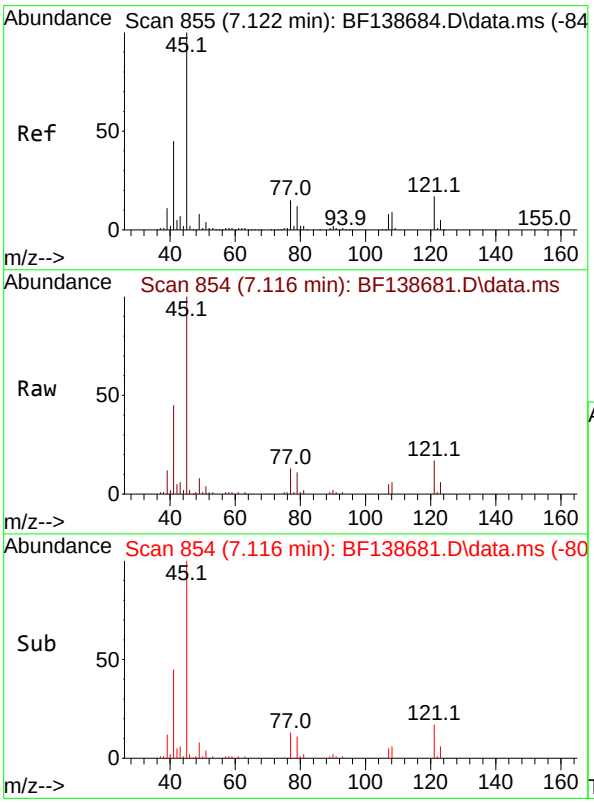
#15
Benzyl Alcohol
Concen: 5.287 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

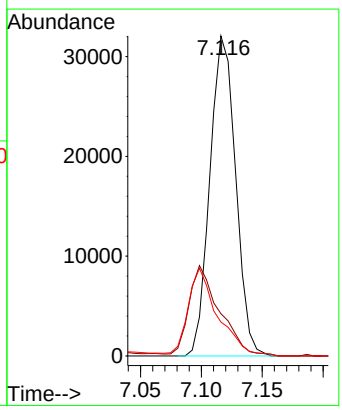


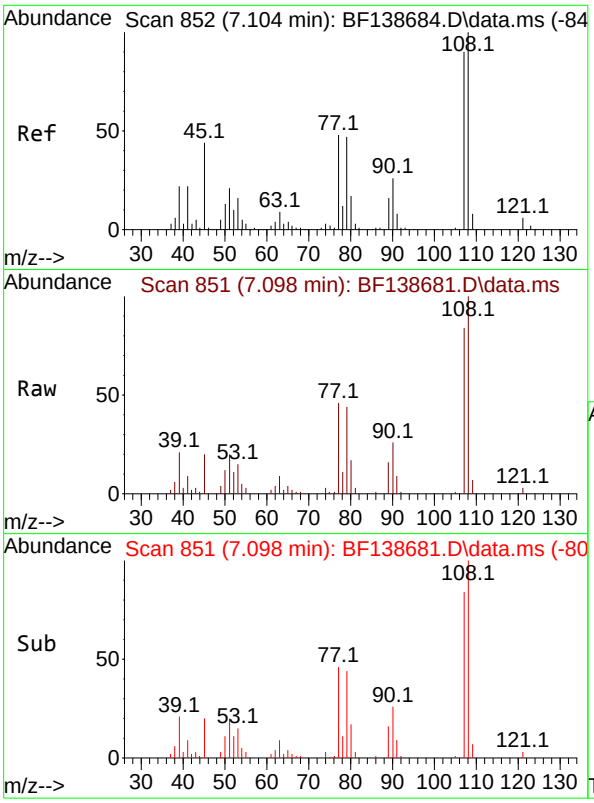


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.555 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



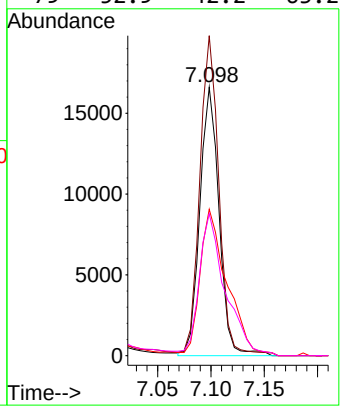


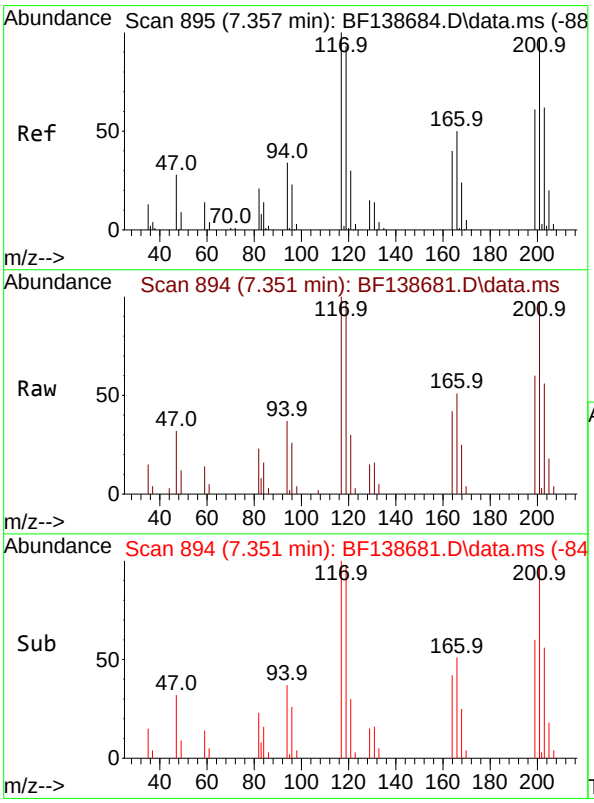
#17
2-Methylphenol
Concen: 5.293 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

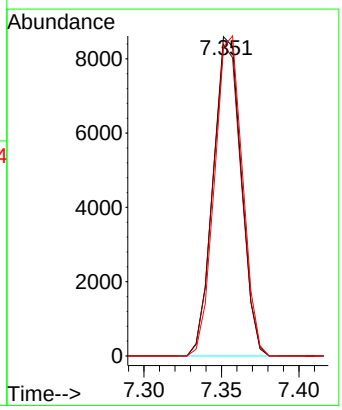


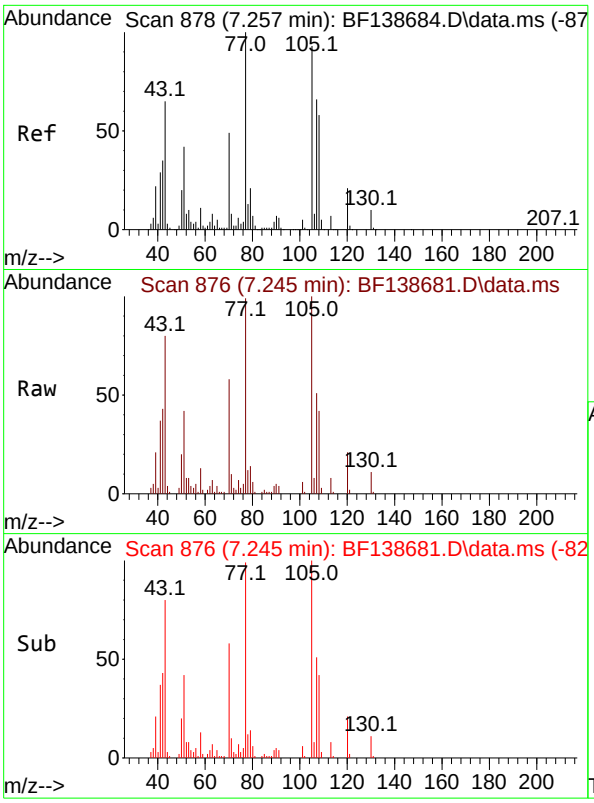


#18
Hexachloroethane
Concen: 5.342 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



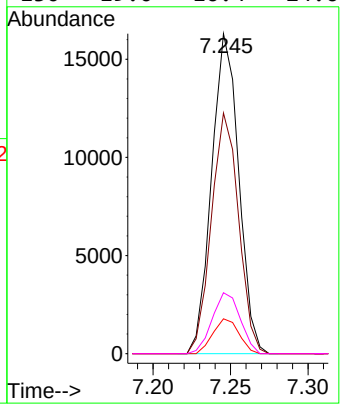


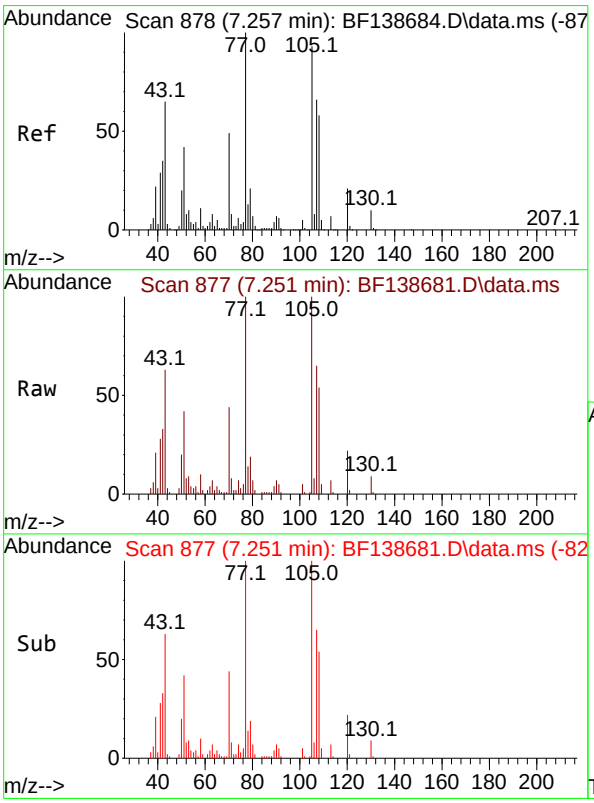
#19
n-Nitroso-di-n-propylamine
Concen: 5.375 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

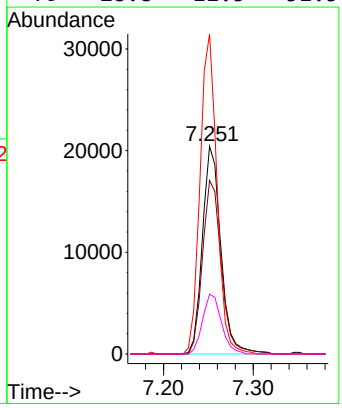


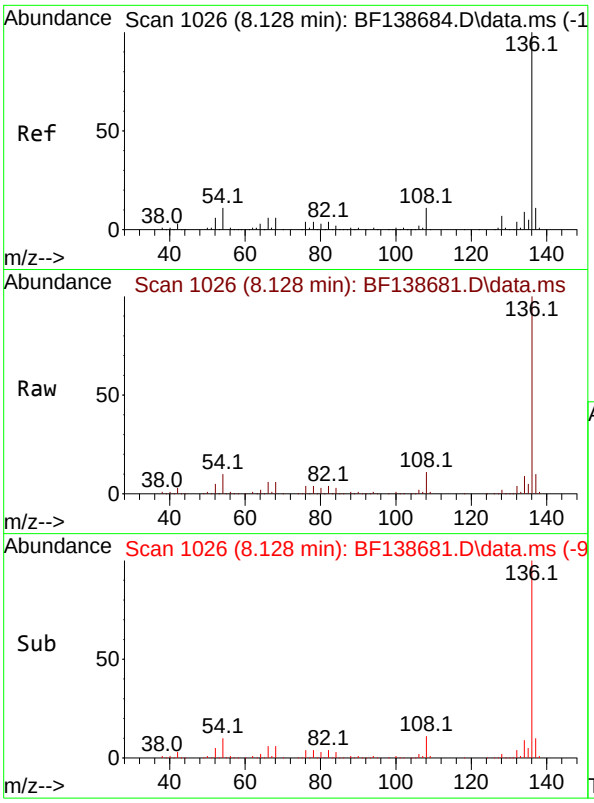


#20
3+4-Methylphenols
Concen: 5.750 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



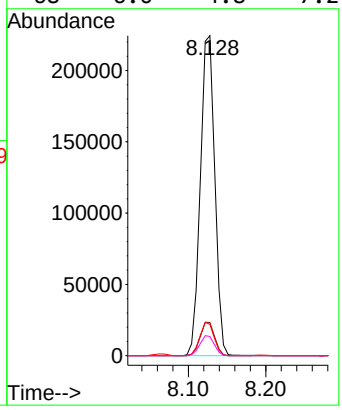


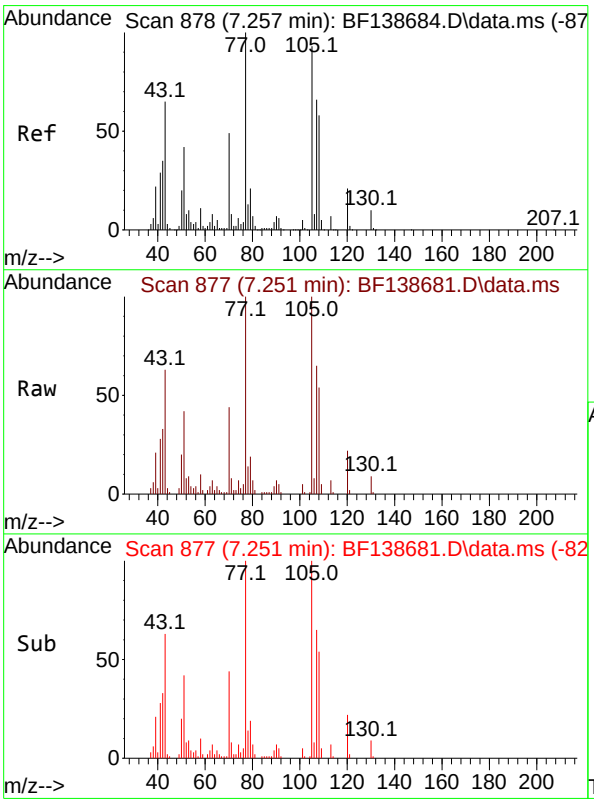
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

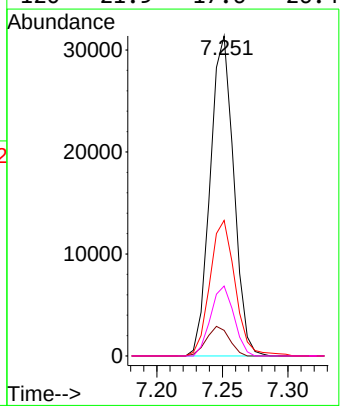


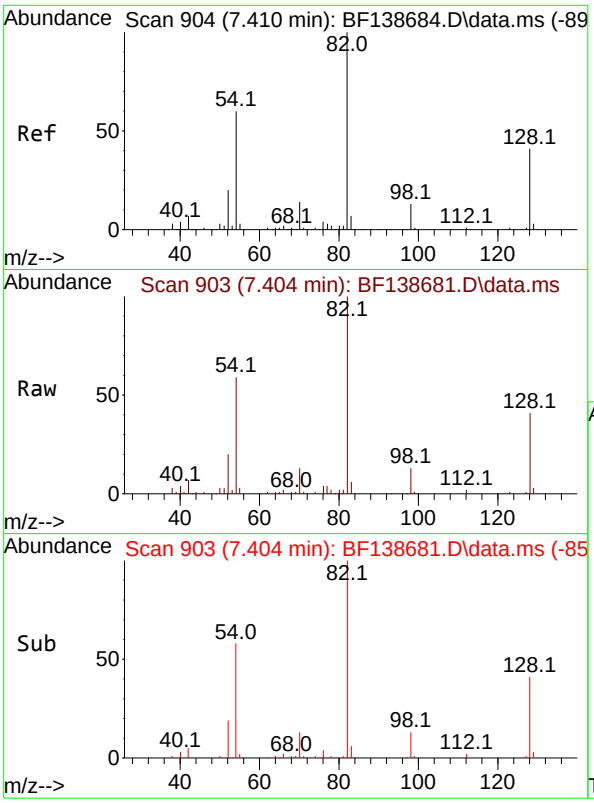


#22
Acetophenone
Concen: 5.496 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



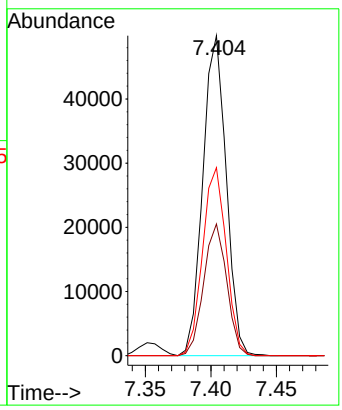


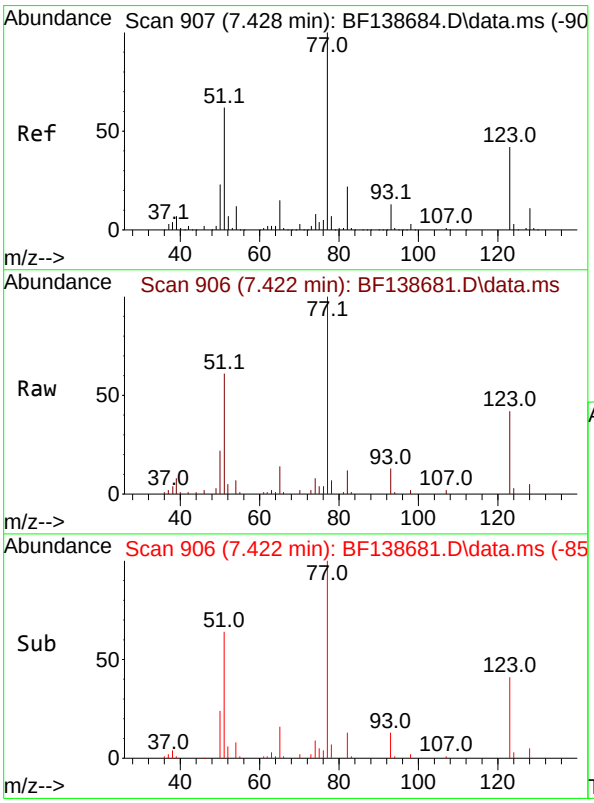
#23
Nitrobenzene-d5
Concen: 10.407 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

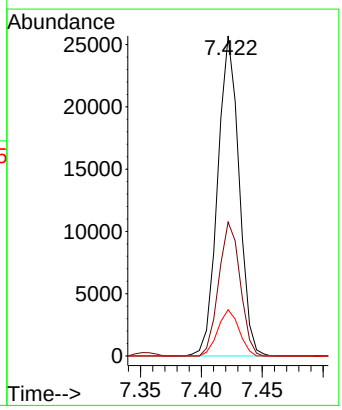


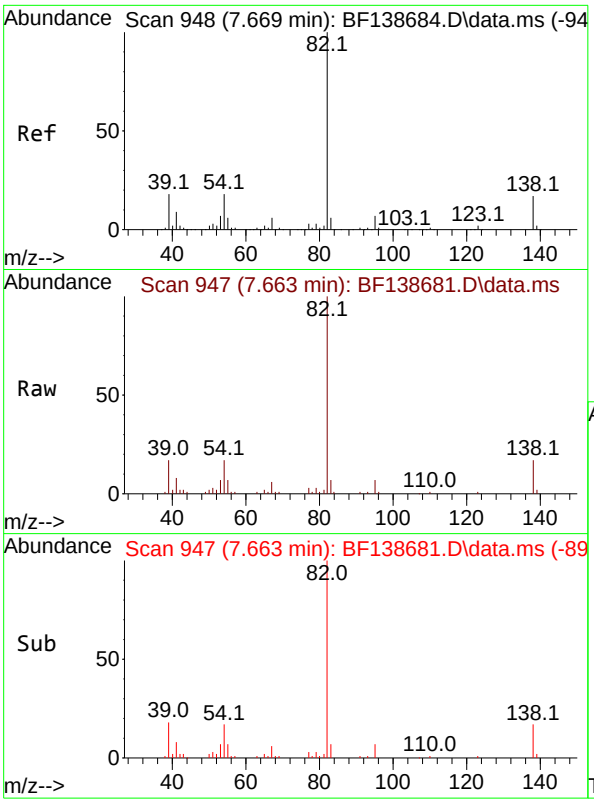


#24
Nitrobenzene
Concen: 5.183 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



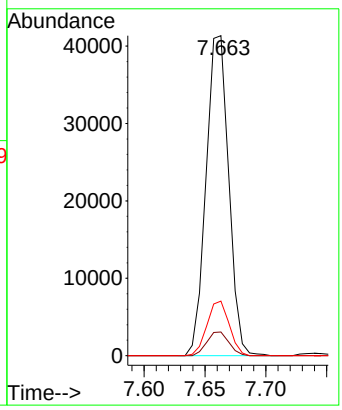


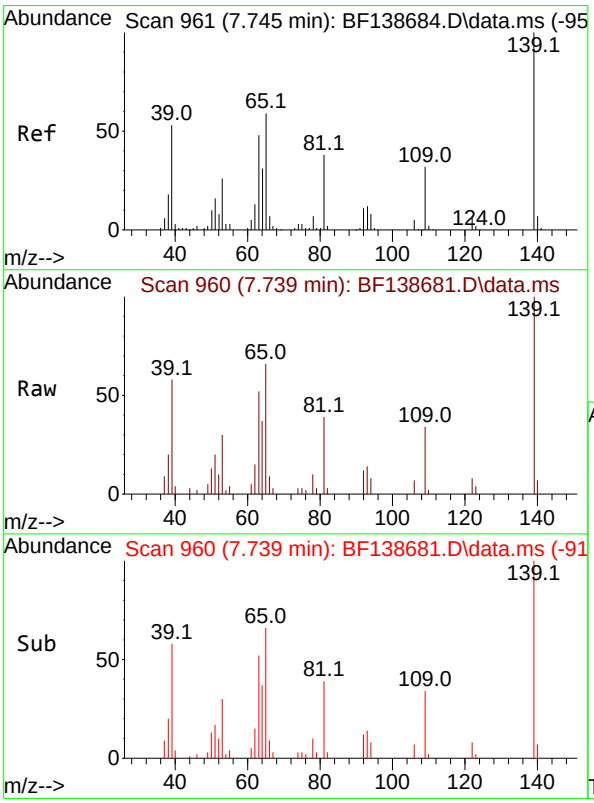
#25
Isophorone
Concen: 5.260 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

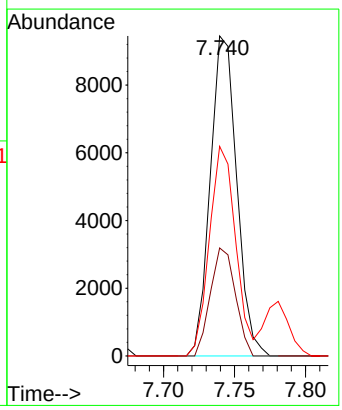


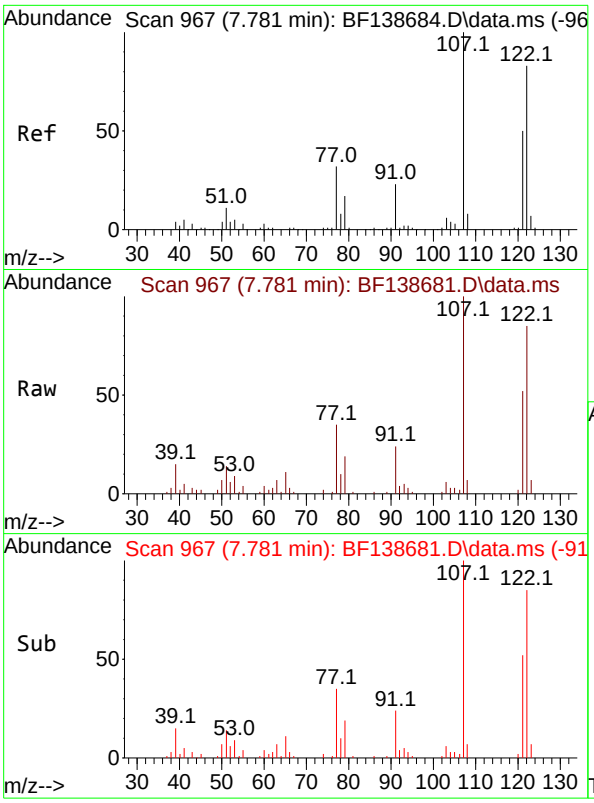


#26
2-Nitrophenol
Concen: 4.708 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



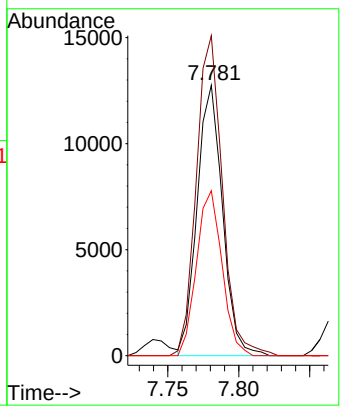


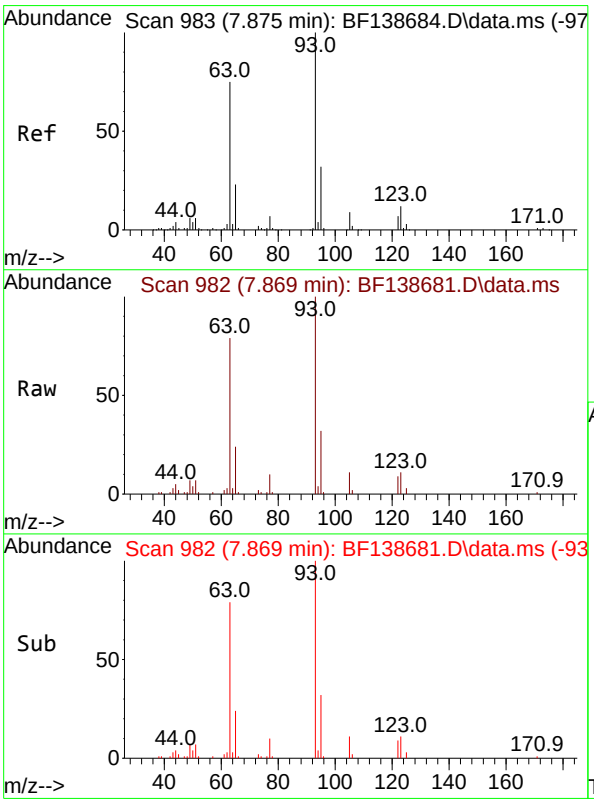
#27
2,4-Dimethylphenol
Concen: 5.102 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

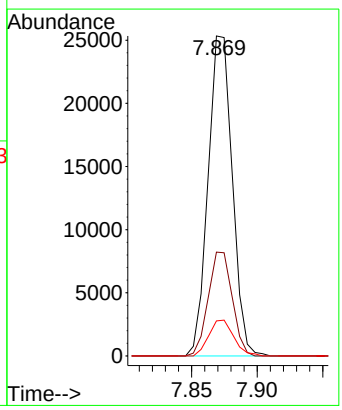


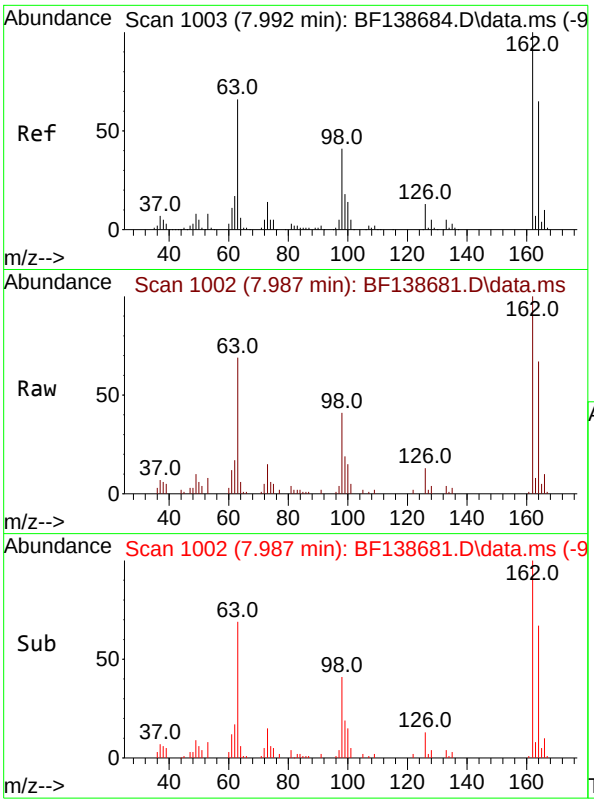


#28
bis(2-Chloroethoxy)methane
Concen: 5.263 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



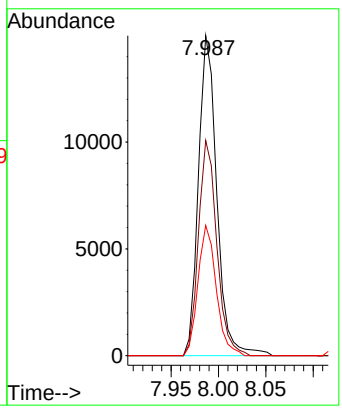


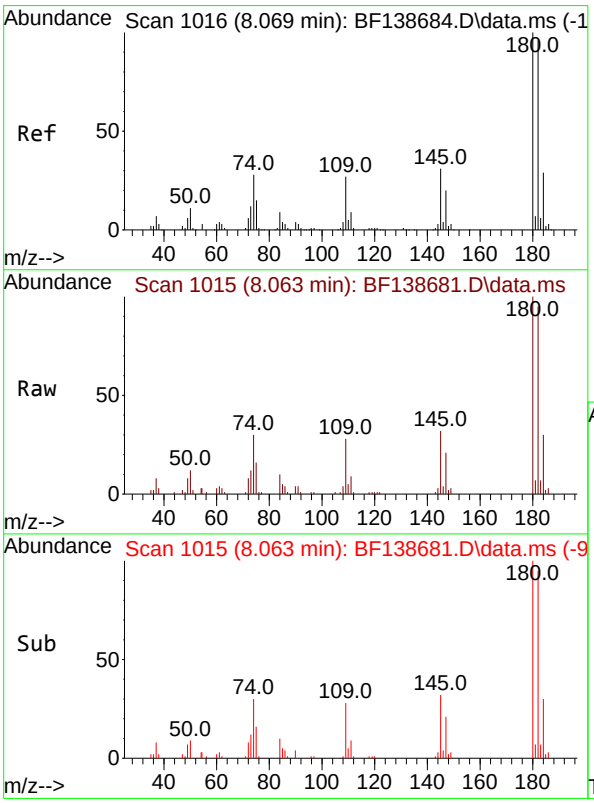
#29
2,4-Dichlorophenol
Concen: 5.058 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

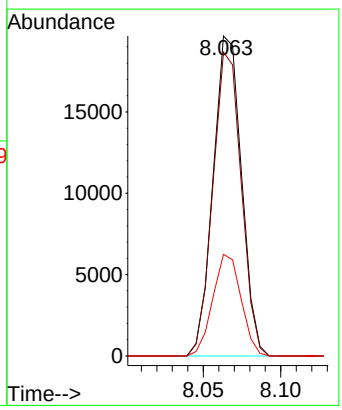


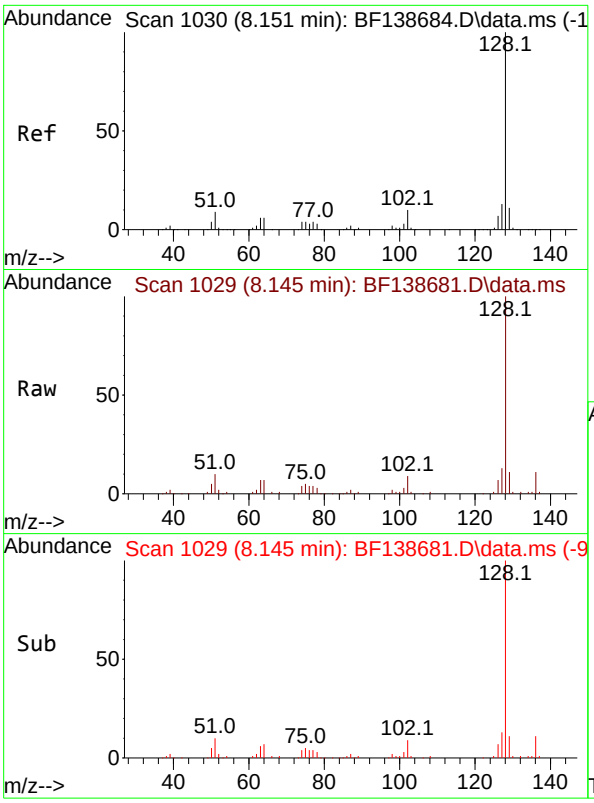


#30
1,2,4-Trichlorobenzene
Concen: 5.414 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



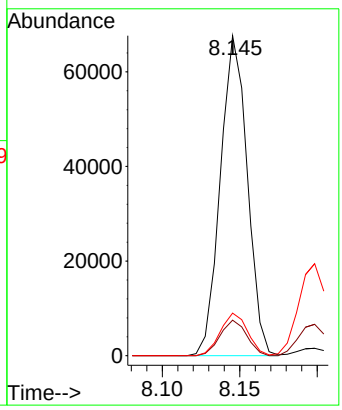


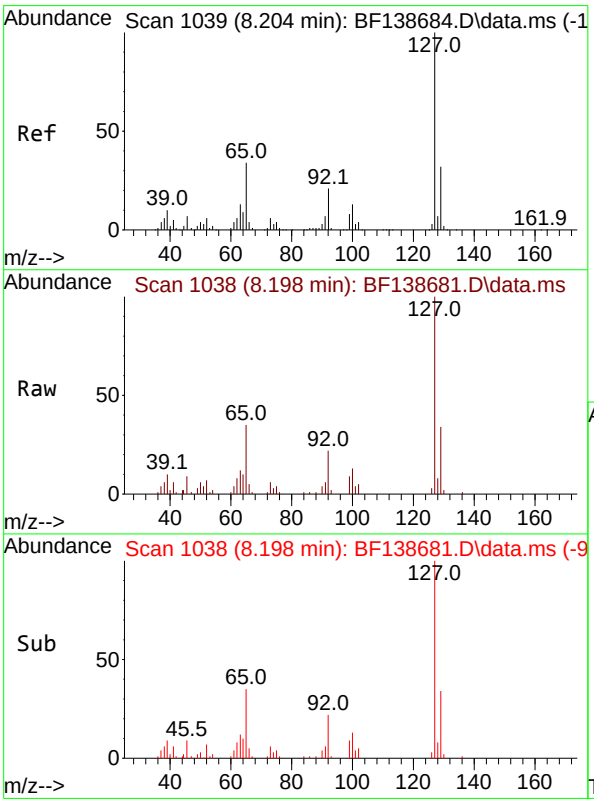
#31
Naphthalene
Concen: 5.338 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

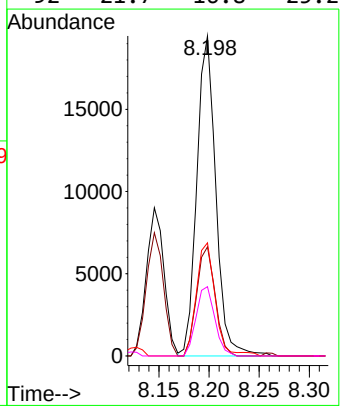


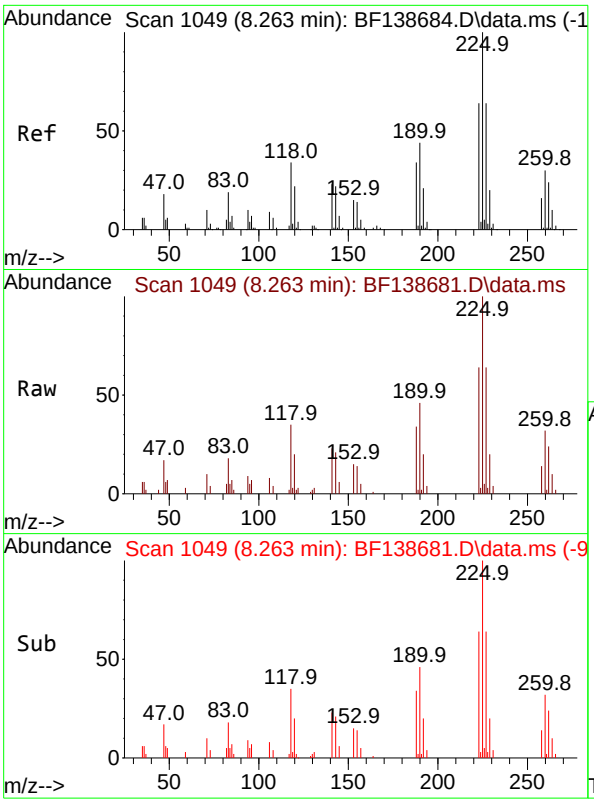


#33
4-Chloroaniline
Concen: 5.009 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



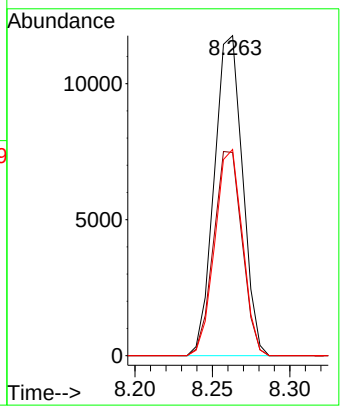


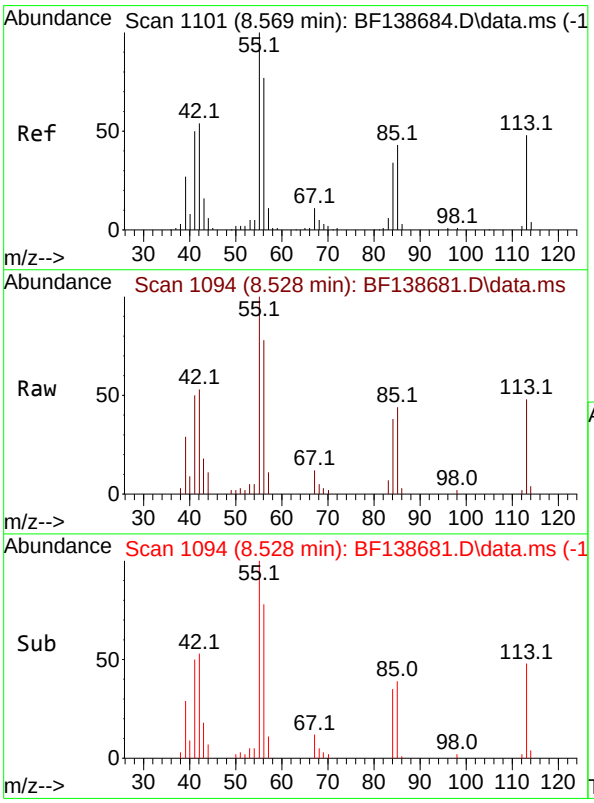
#34
Hexachlorobutadiene
Concen: 5.337 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

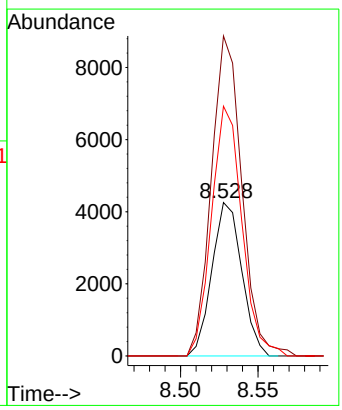


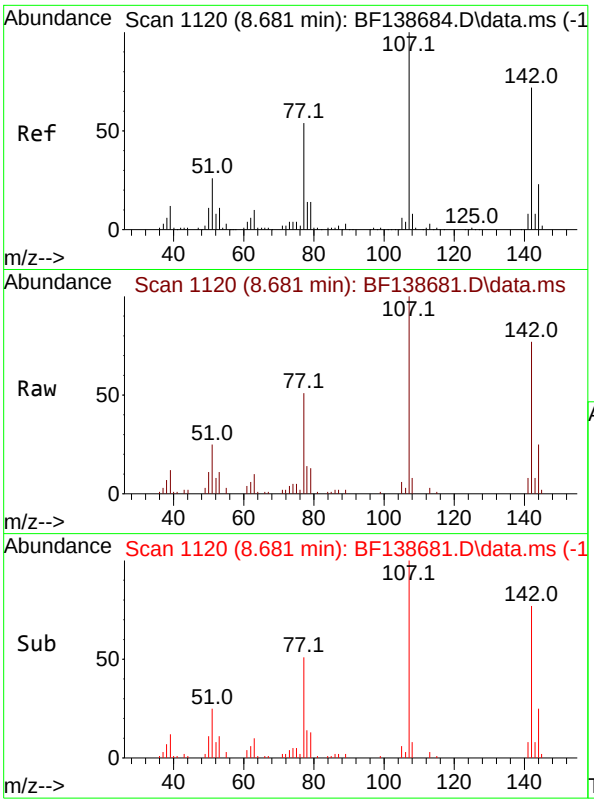


#35
Caprolactam
Concen: 4.763 ng
RT: 8.528 min Scan# 1094
Delta R.T. -0.041 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



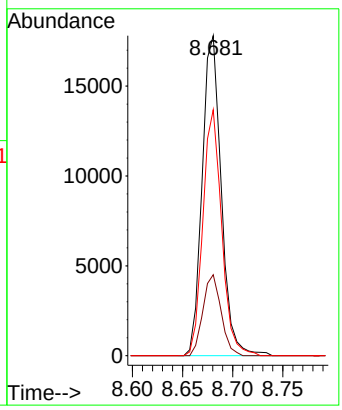


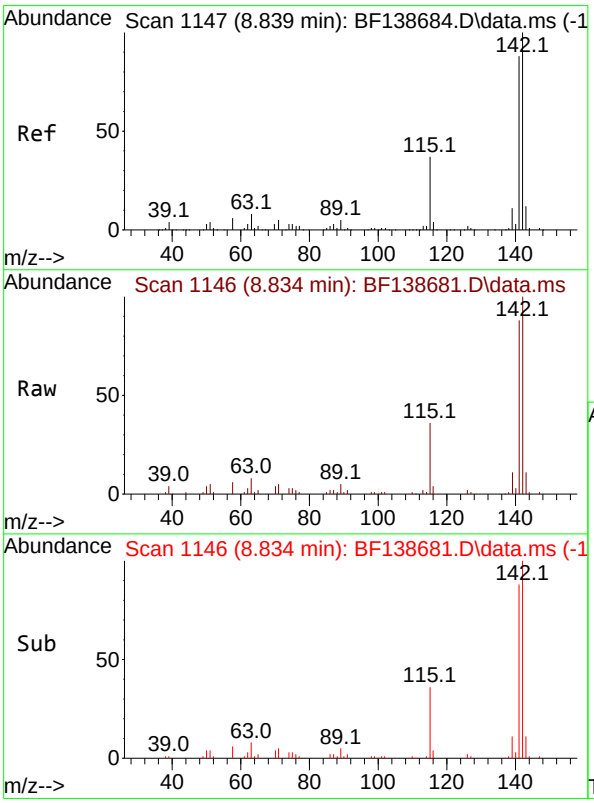
#36
4-Chloro-3-methylphenol
Concen: 5.173 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

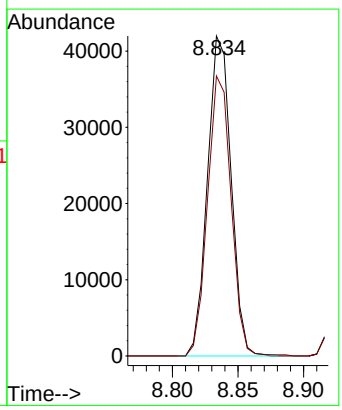


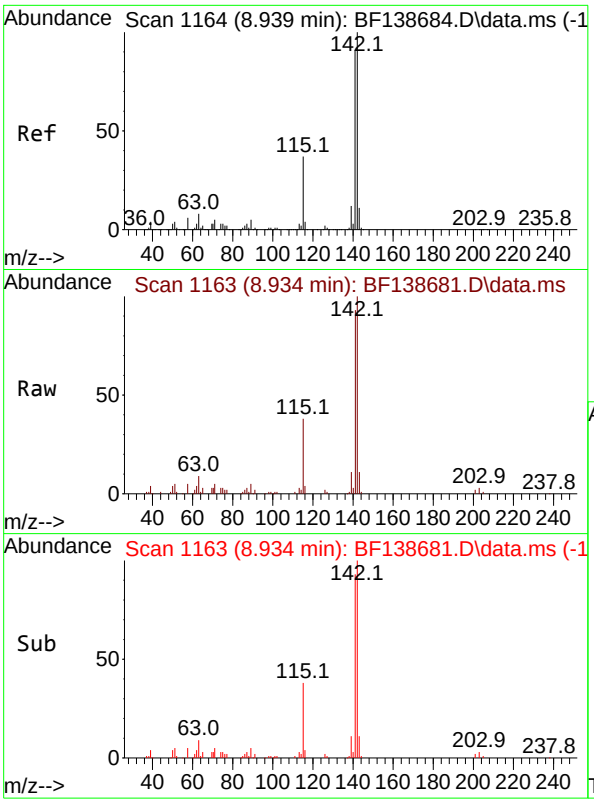


#37
2-Methylnaphthalene
Concen: 5.439 ng
RT: 8.834 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Tgt Ion:142 Resp: 52614

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2



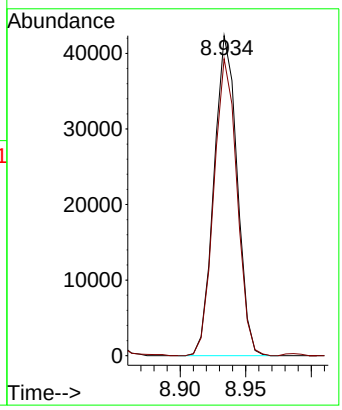


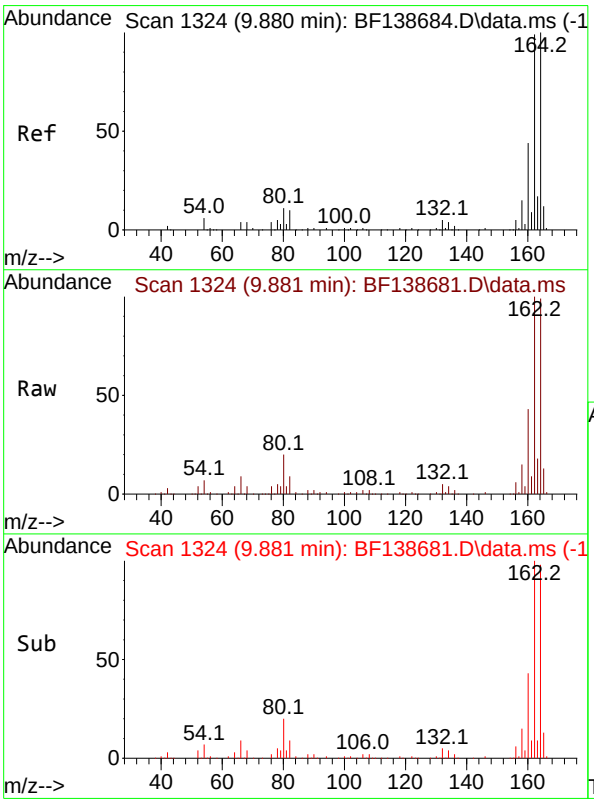
#38
1-Methylnaphthalene
Concen: 5.470 ng
RT: 8.934 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 51855

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.1	109.7

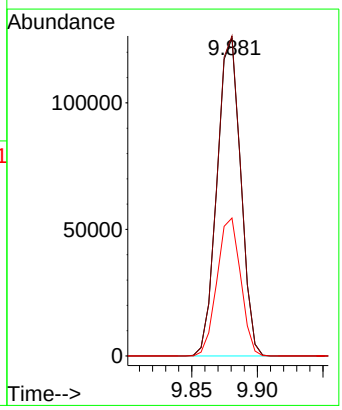


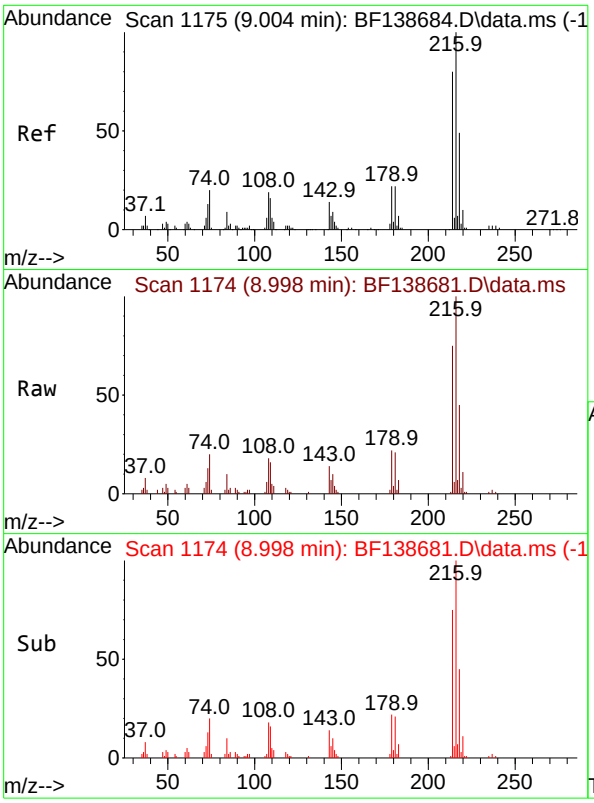


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



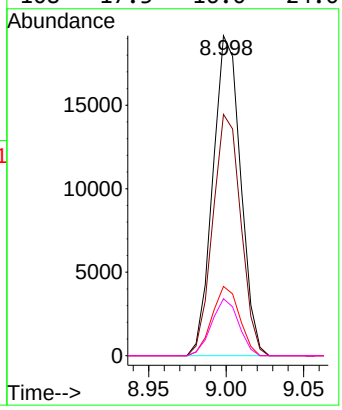


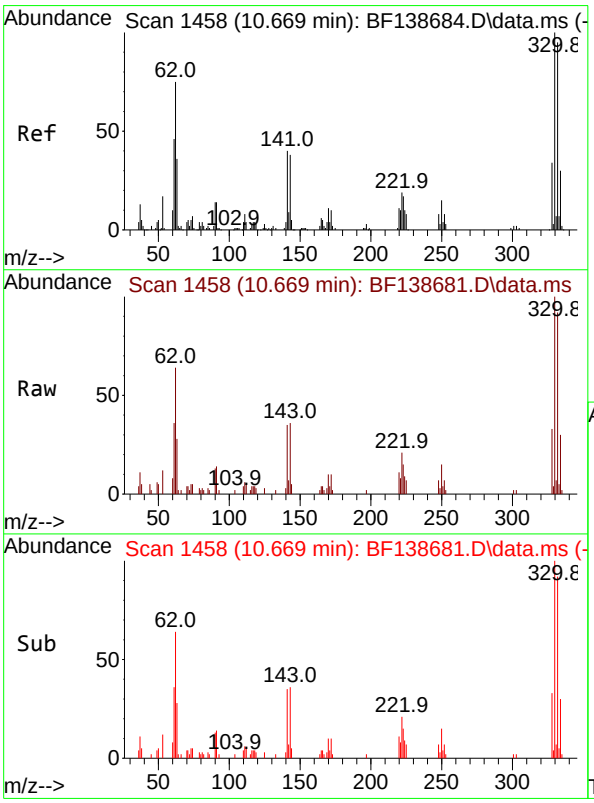
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.456 ng
RT: 8.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

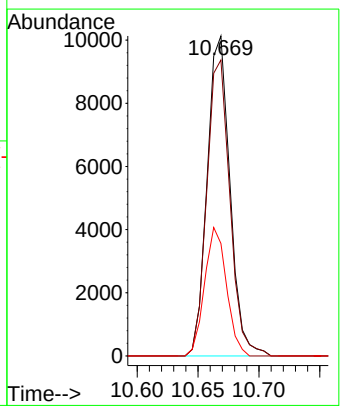


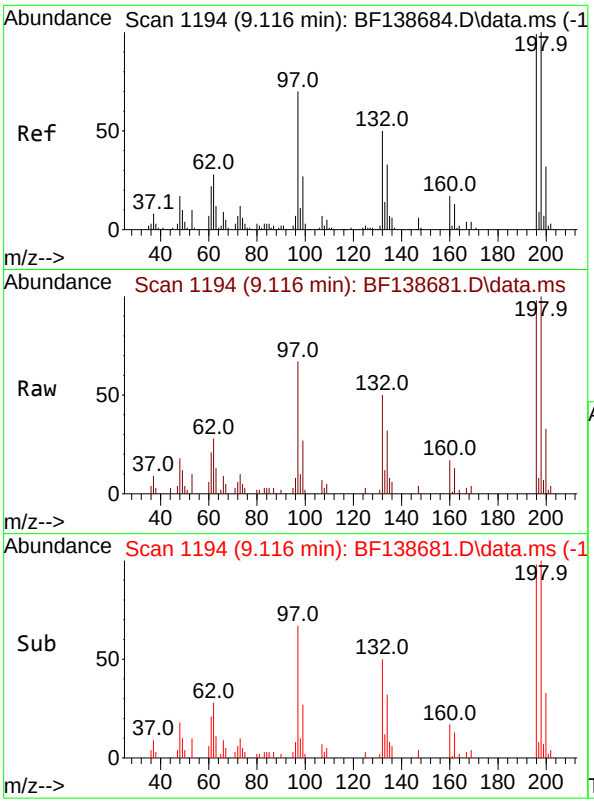


#42
2,4,6-Tribromophenol
Concen: 10.260 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



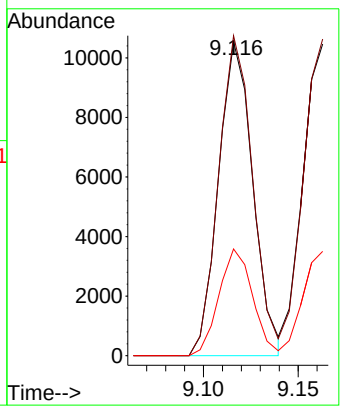


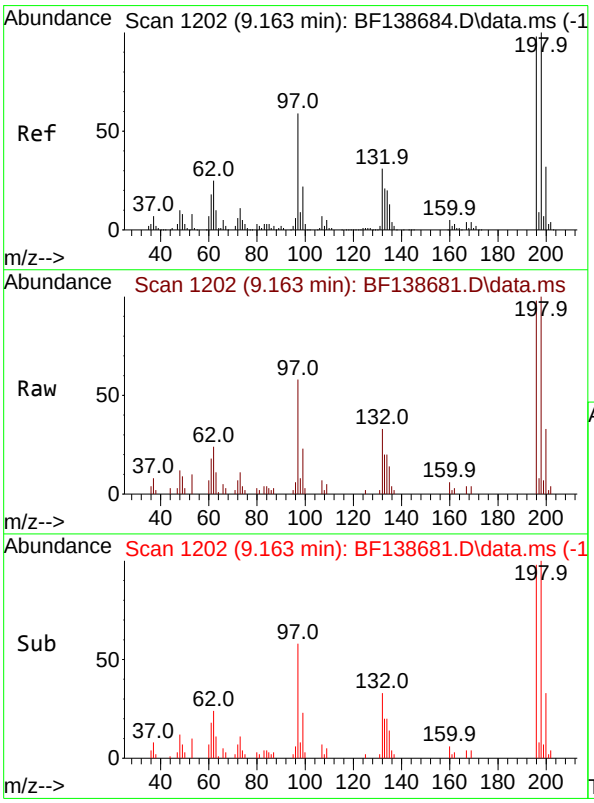
#43
2,4,6-Trichlorophenol
Concen: 4.994 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

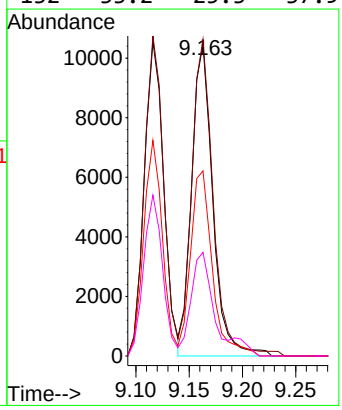


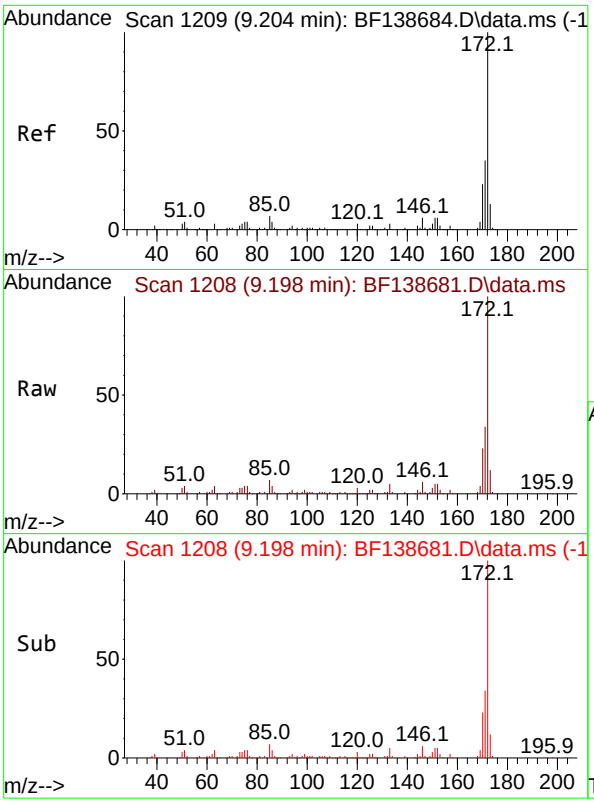


#44
2,4,5-Trichlorophenol
Concen: 4.972 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



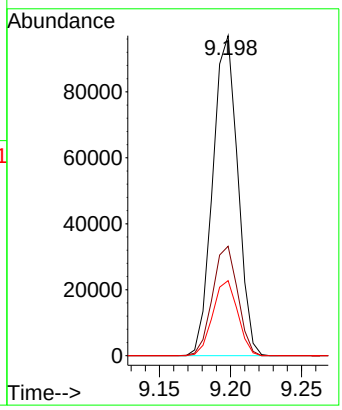


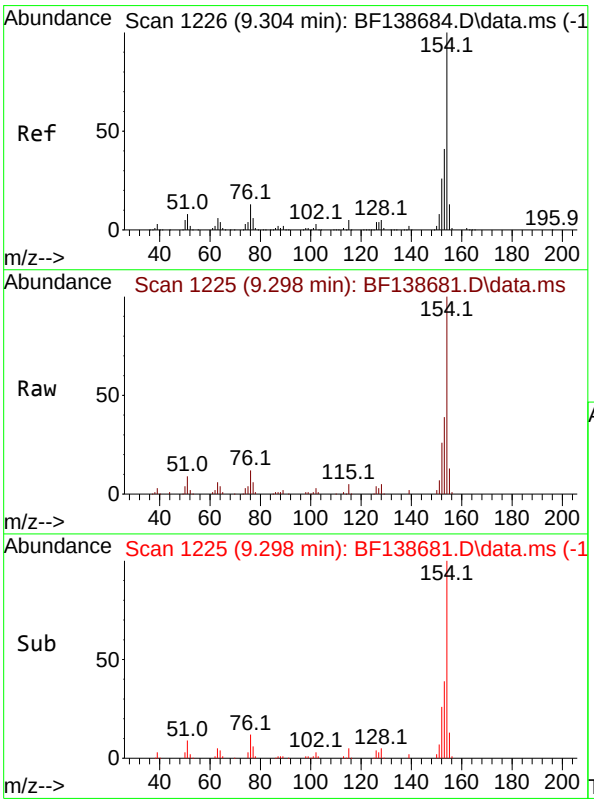
#45
2-Fluorobiphenyl
Concen: 11.357 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

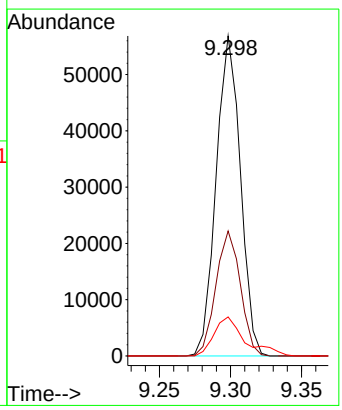


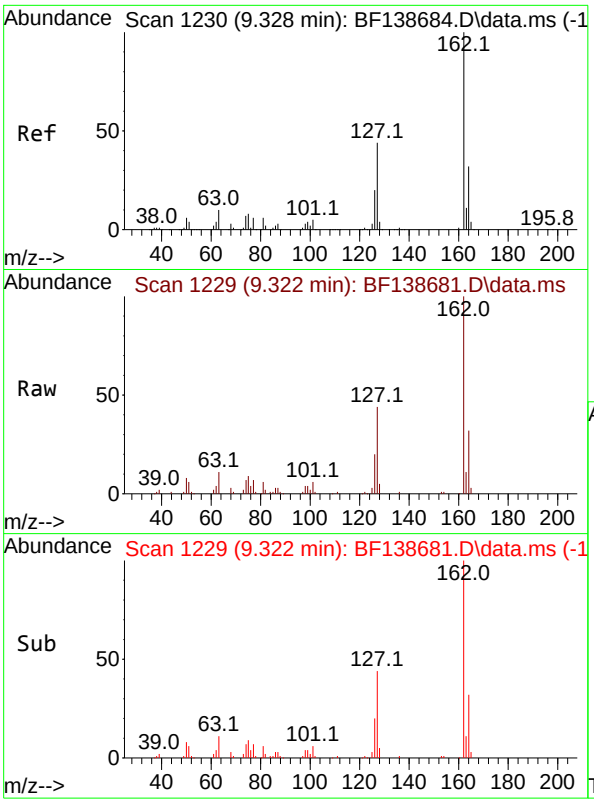


#46
1,1'-Biphenyl
Concen: 5.471 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



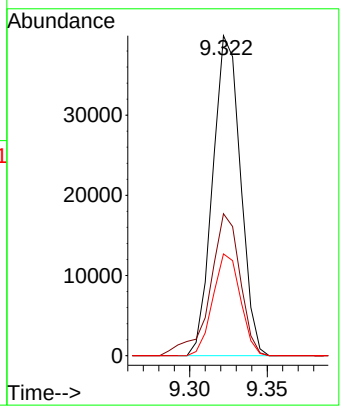


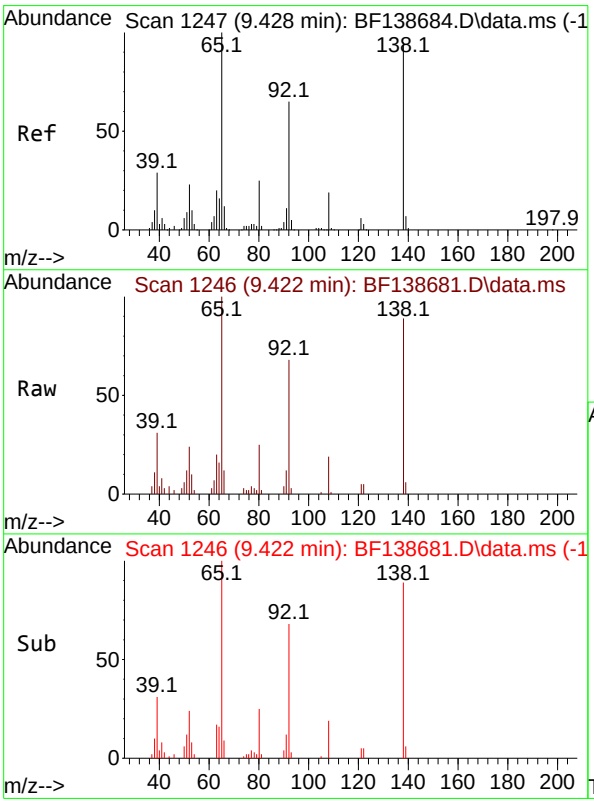
#47
2-Chloronaphthalene
Concen: 5.421 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

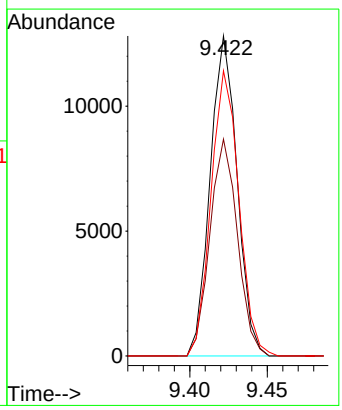


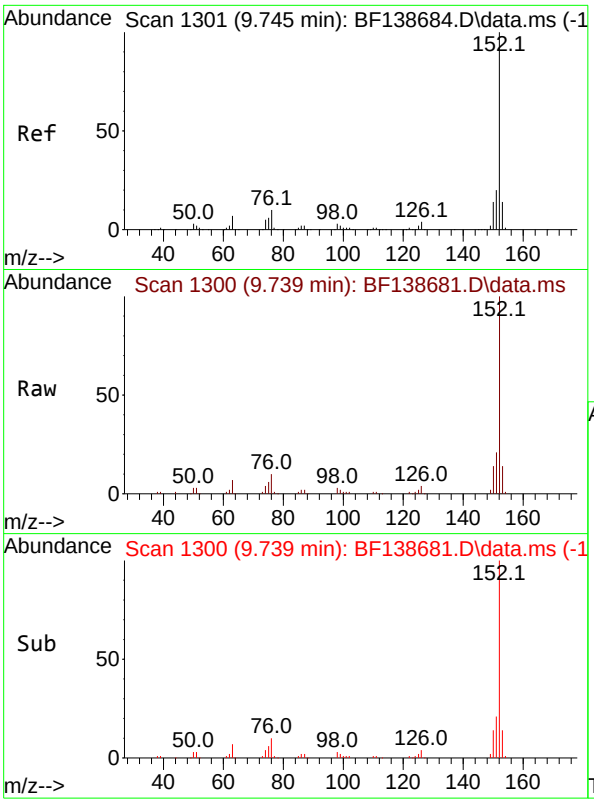


#48
2-Nitroaniline
Concen: 4.982 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



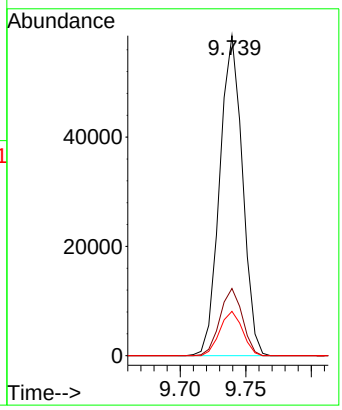


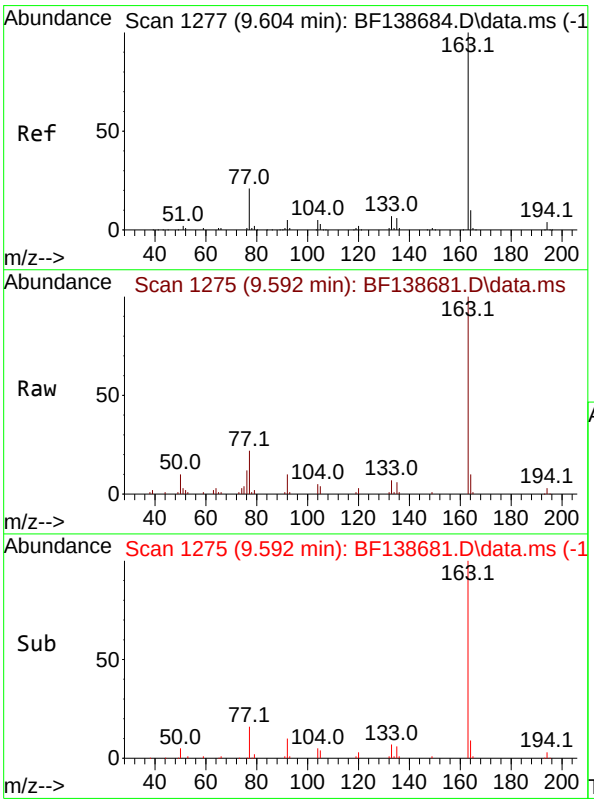
#49
Acenaphthylene
Concen: 5.435 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

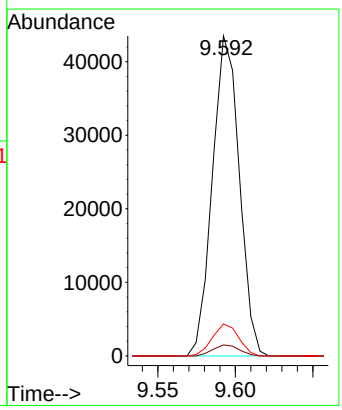


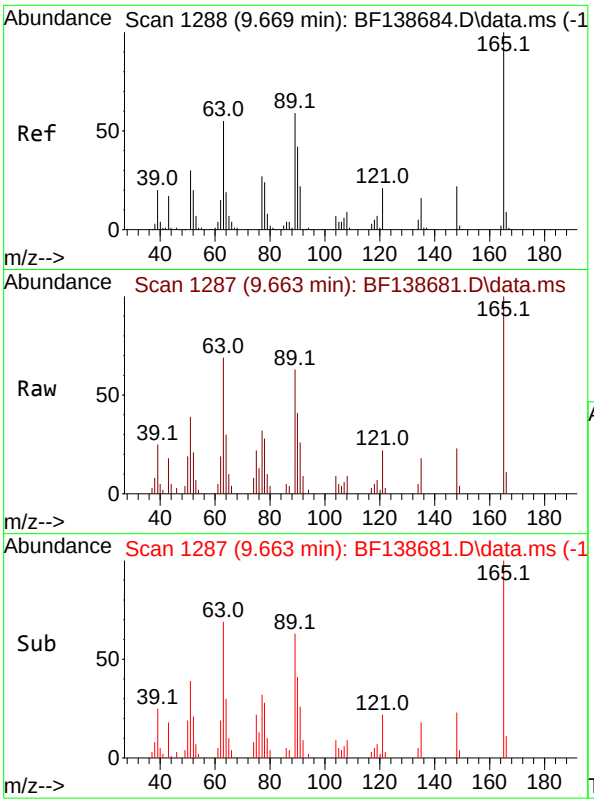


#50
Dimethylphthalate
Concen: 5.223 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



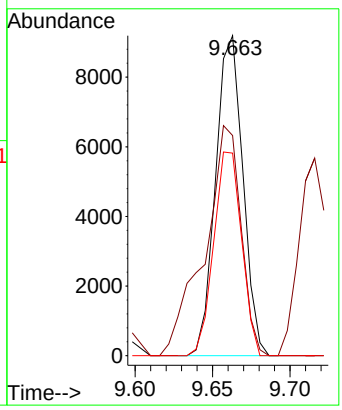


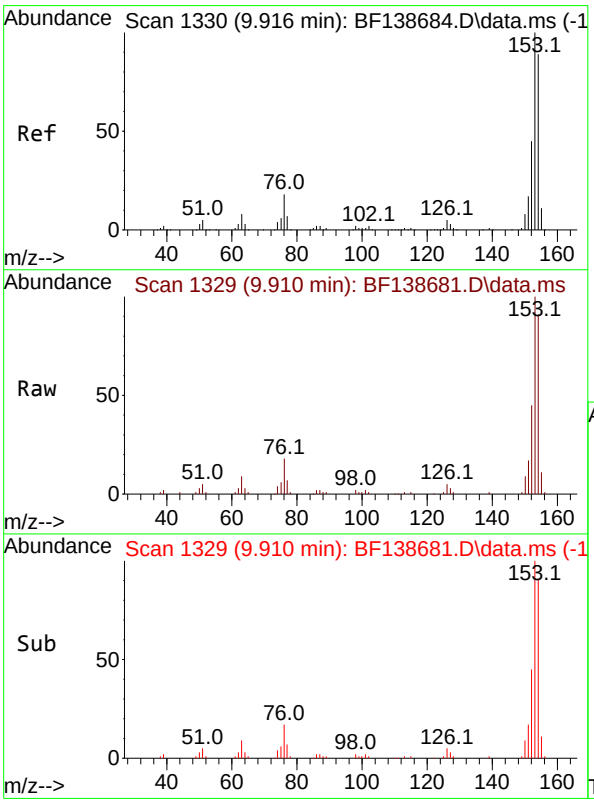
#51
2,6-Dinitrotoluene
Concen: 4.963 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

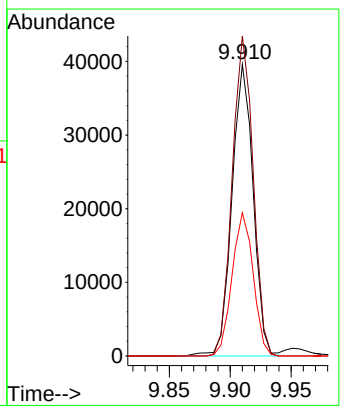


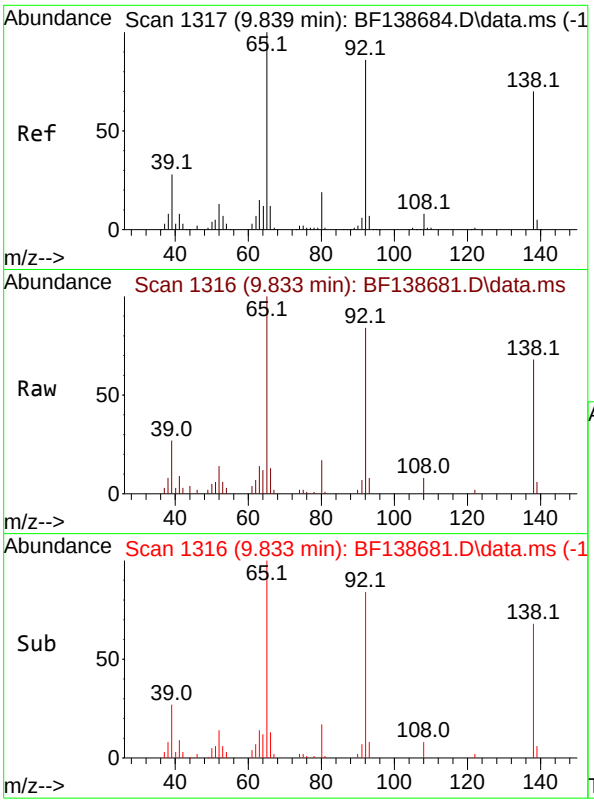


#52
Acenaphthene
Concen: 5.480 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



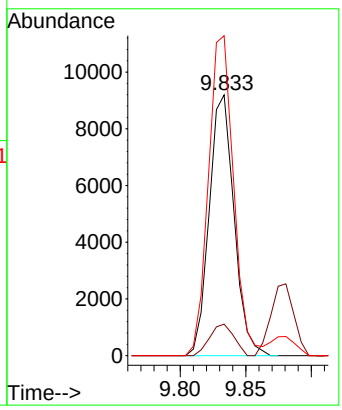


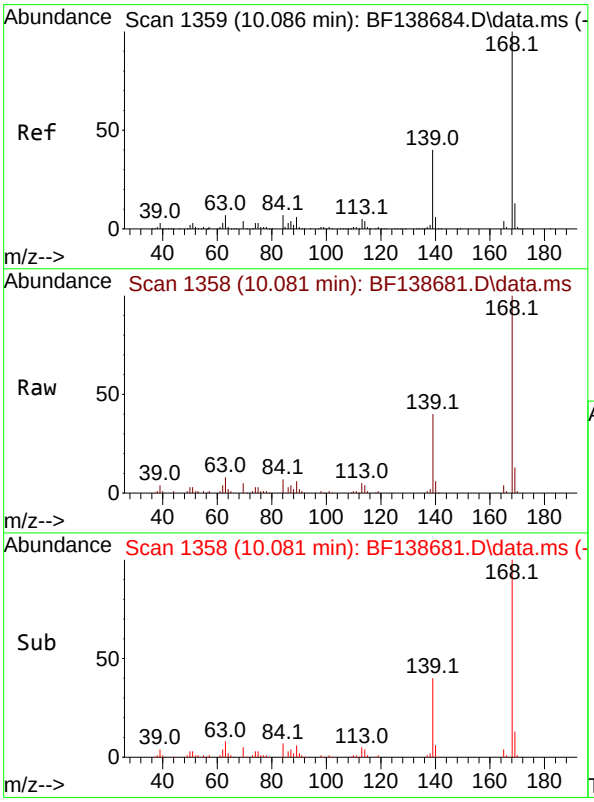
#53
3-Nitroaniline
Concen: 5.167 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

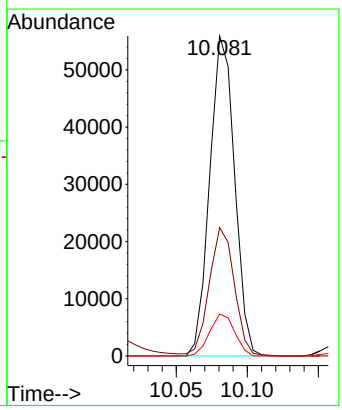


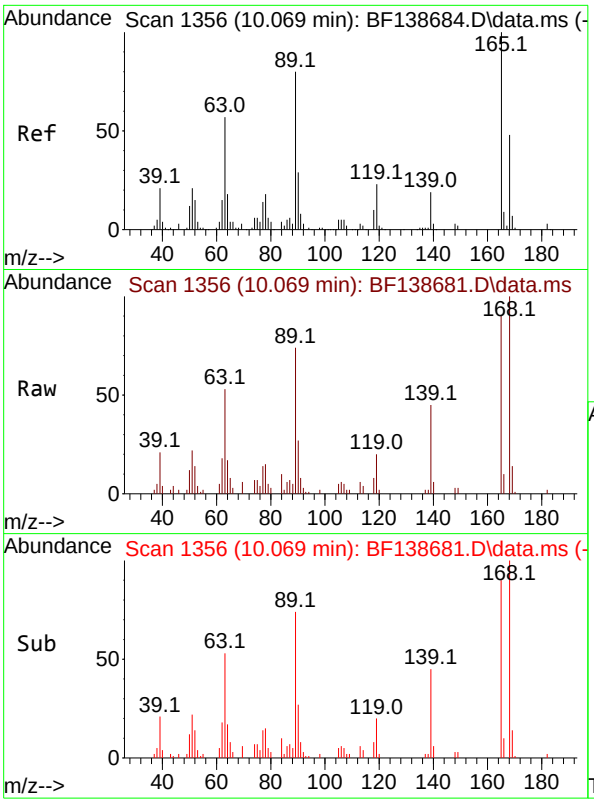


#55
Dibenzofuran
Concen: 5.515 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



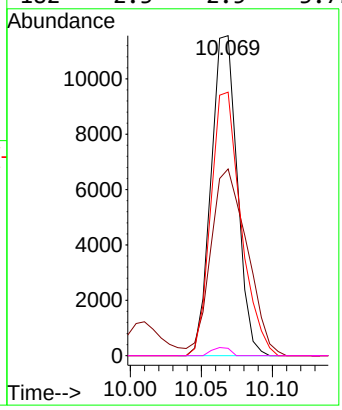


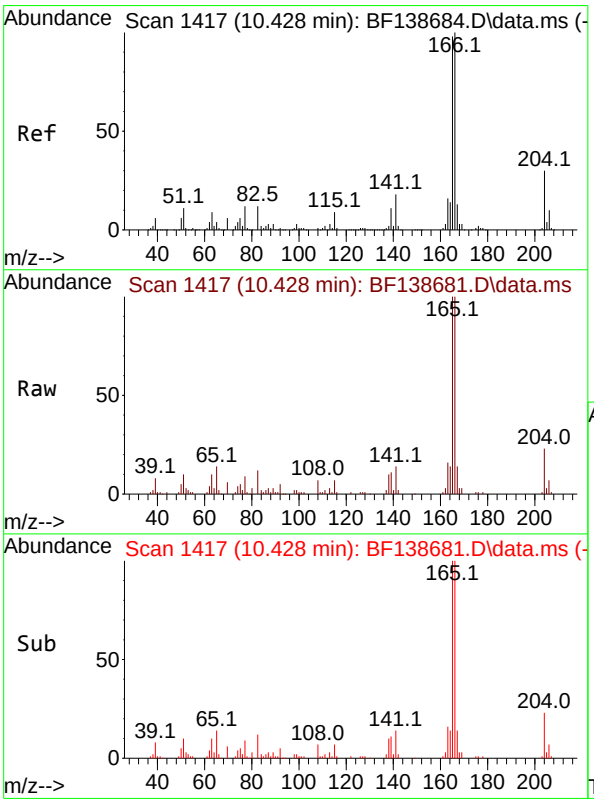
#57
2,4-Dinitrotoluene
Concen: 5.117 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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#

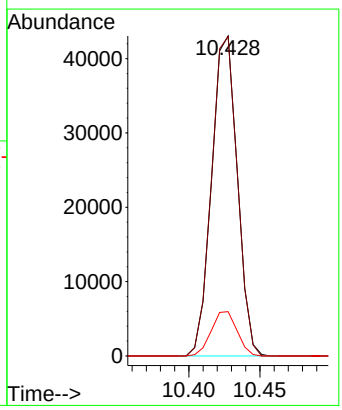


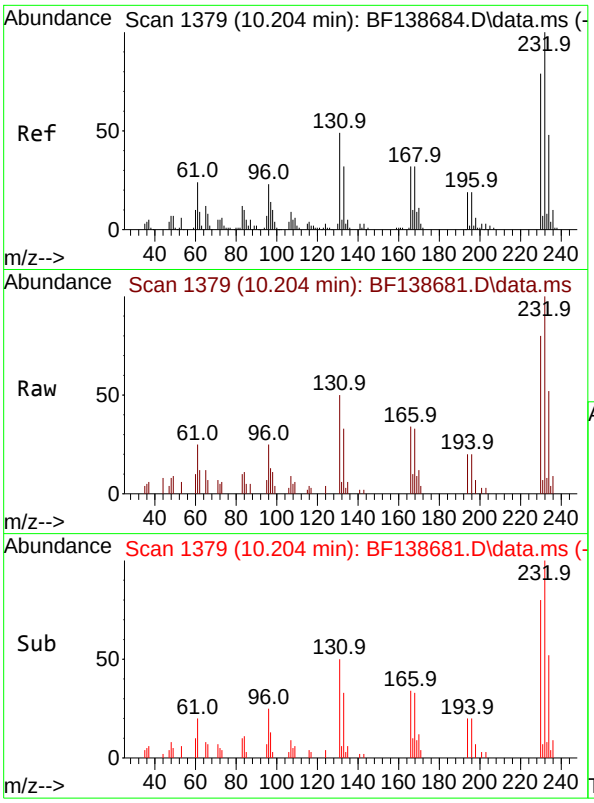


#58
Fluorene
Concen: 5.504 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



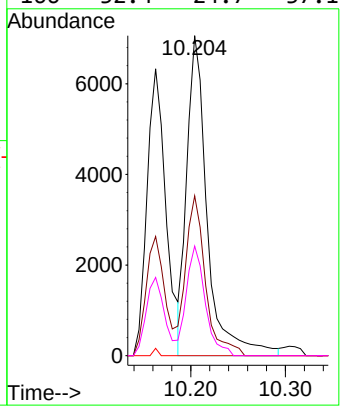


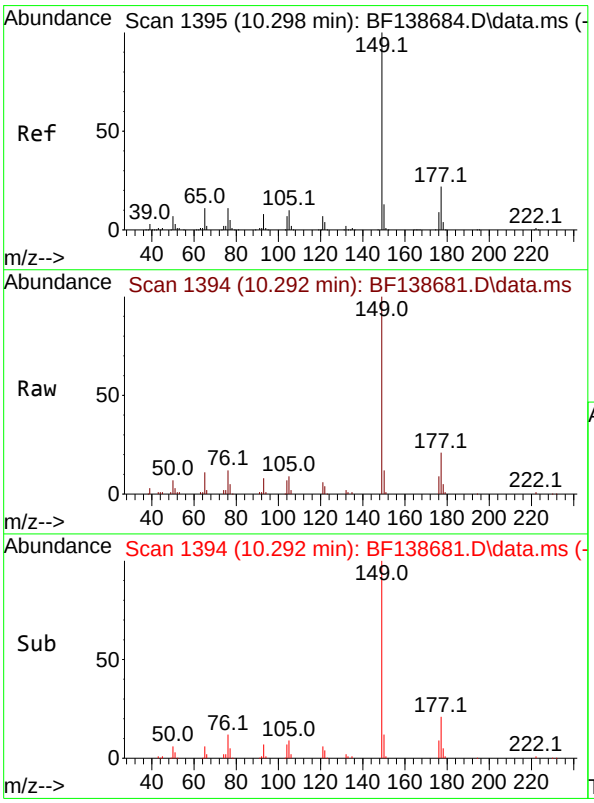
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.765 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

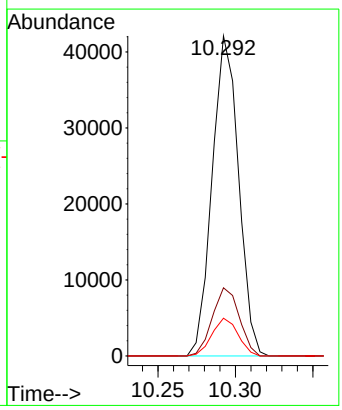


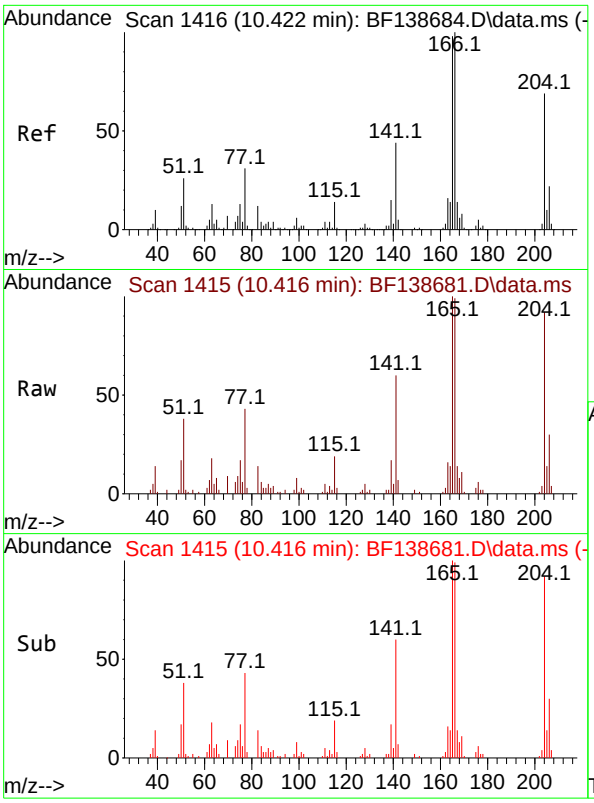


#60
Diethylphthalate
Concen: 5.228 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



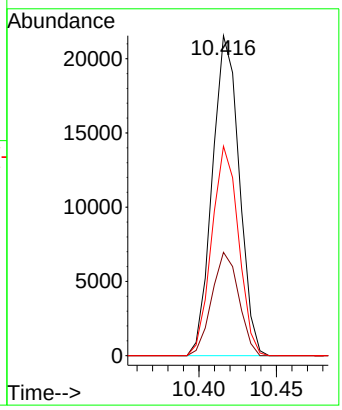


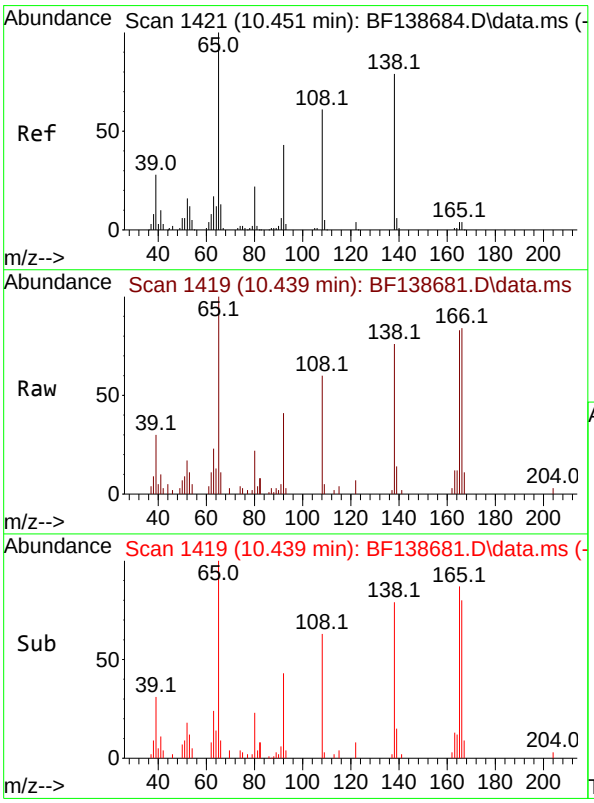
#61
4-Chlorophenyl-phenylether
Concen: 5.389 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

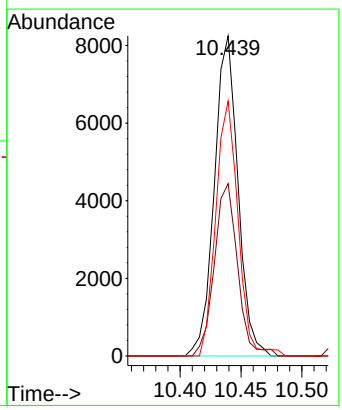


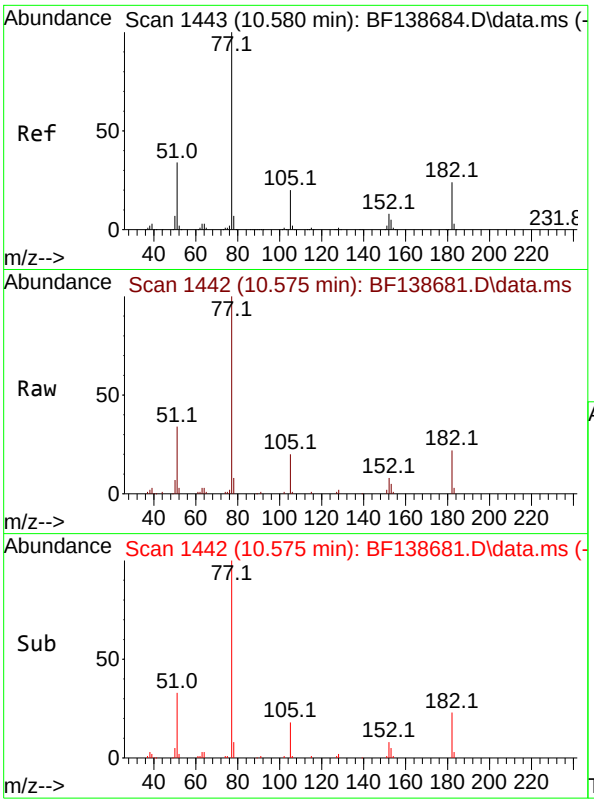


#62
4-Nitroaniline
Concen: 5.004 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



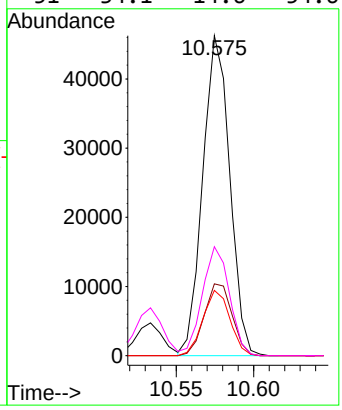


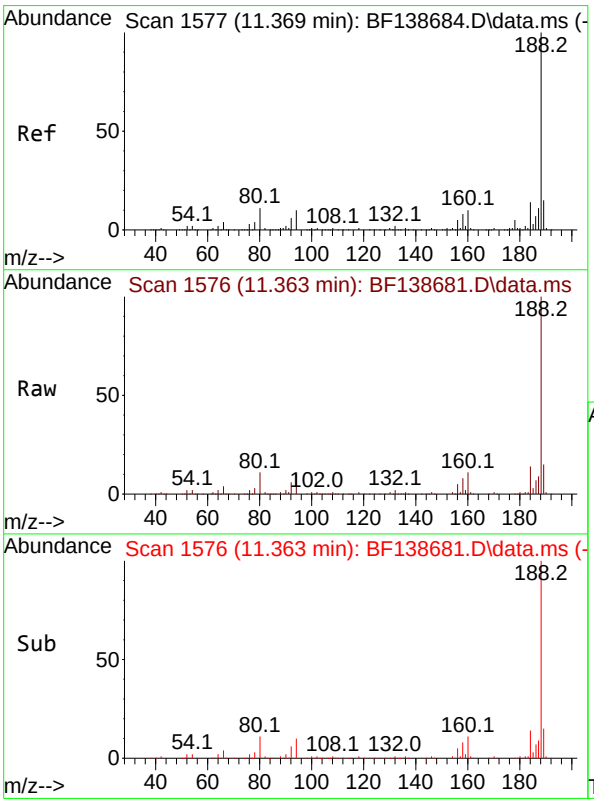
#63
Azobenzene
Concen: 5.304 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

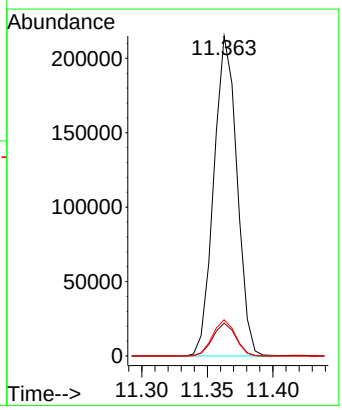


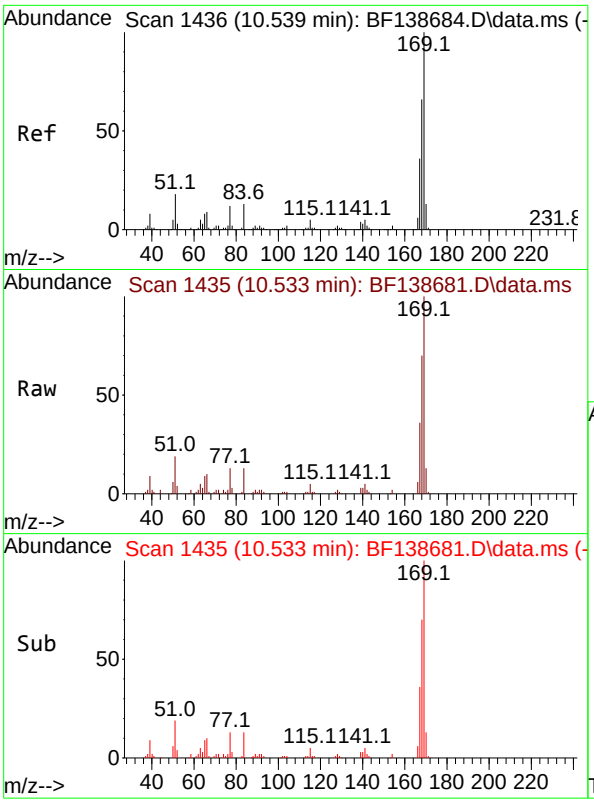


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



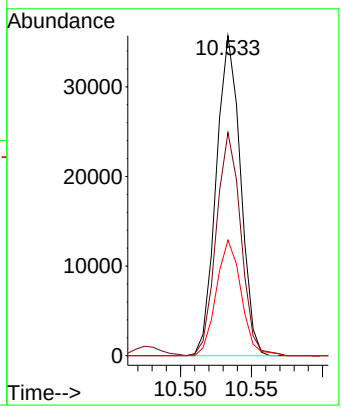


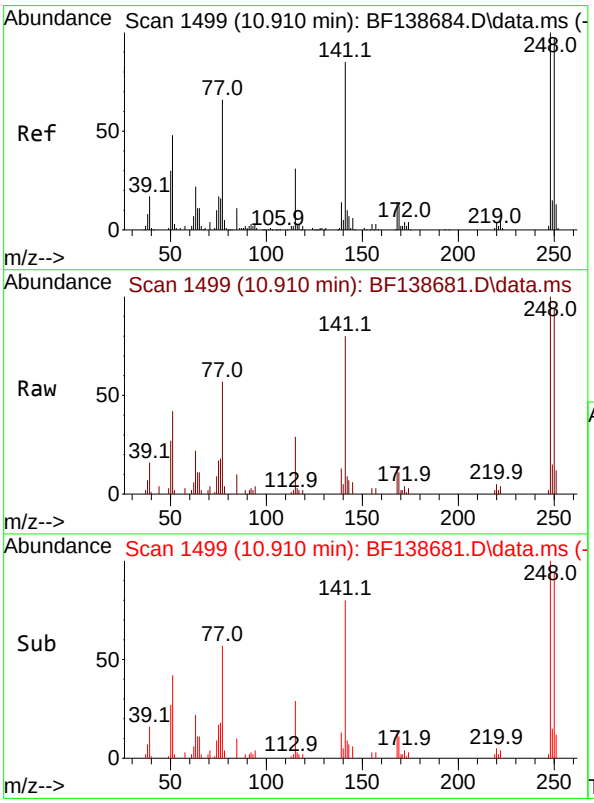
#66
n-Nitrosodiphenylamine
Concen: 5.138 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

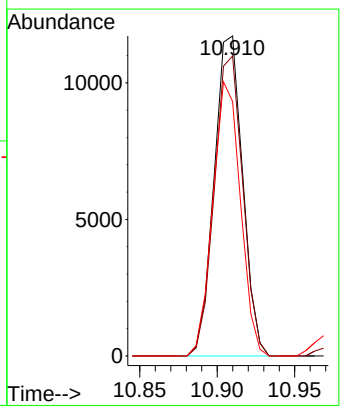


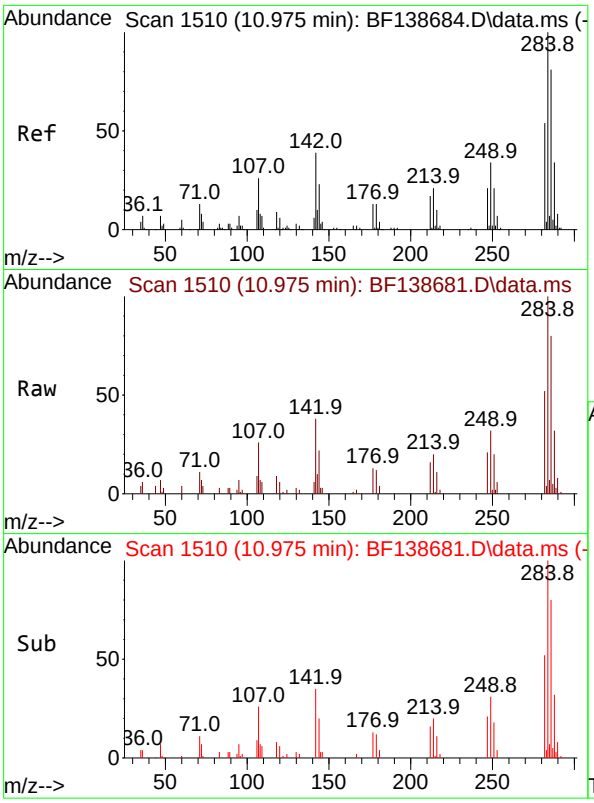


#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 10.910 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



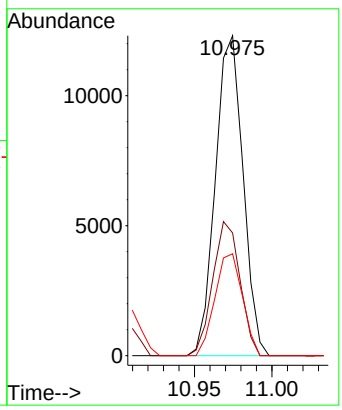


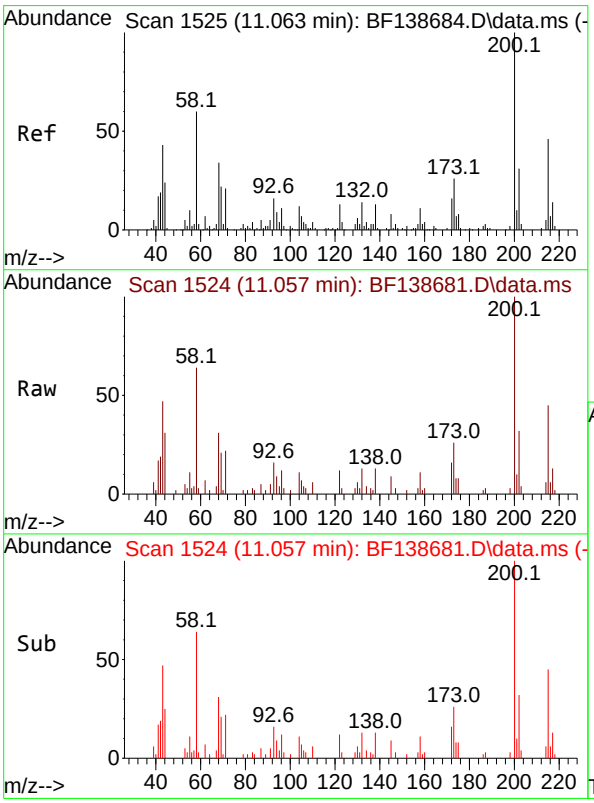
#68
Hexachlorobenzene
Concen: 5.173 ng
RT: 10.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

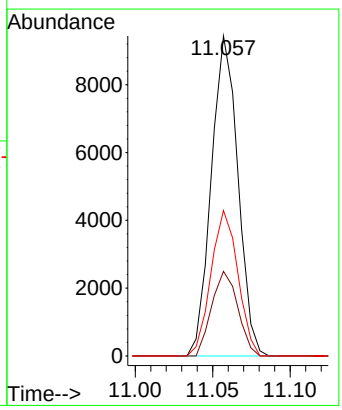


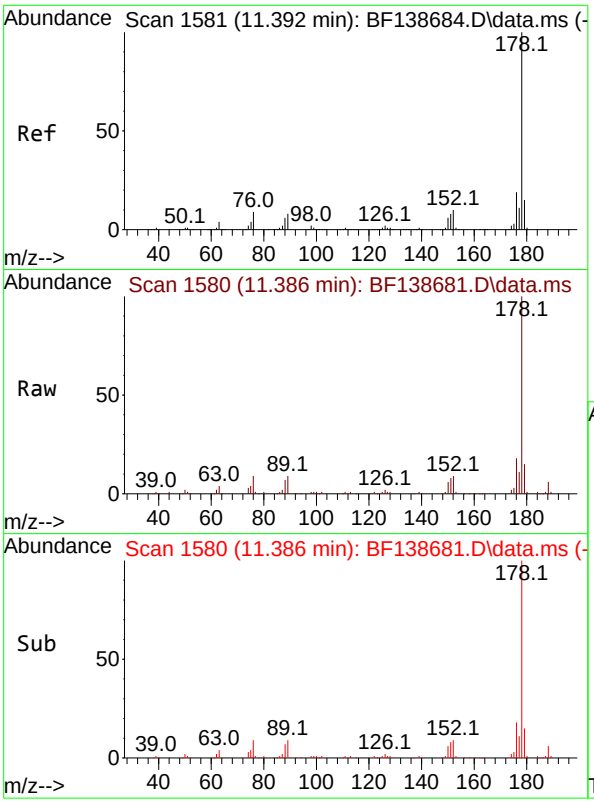


#69
Atrazine
Concen: 5.286 ng
RT: 11.057 min Scan# 1524
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



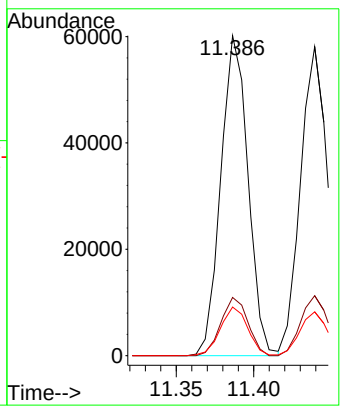


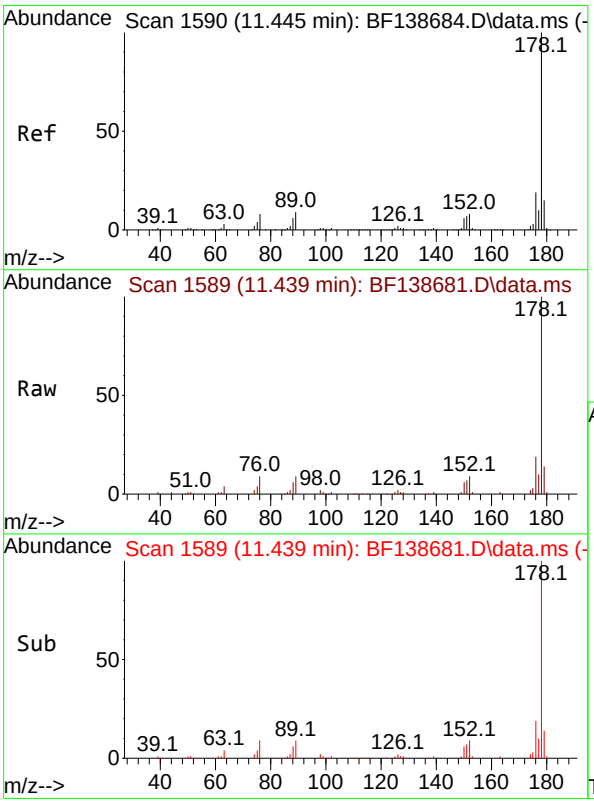
#71
Phenanthrene
Concen: 5.401 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

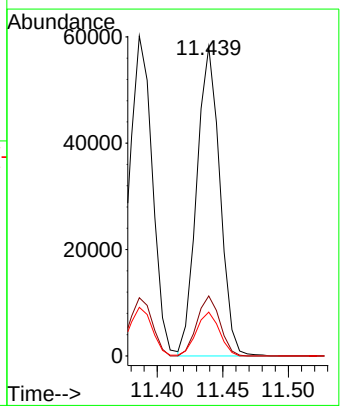


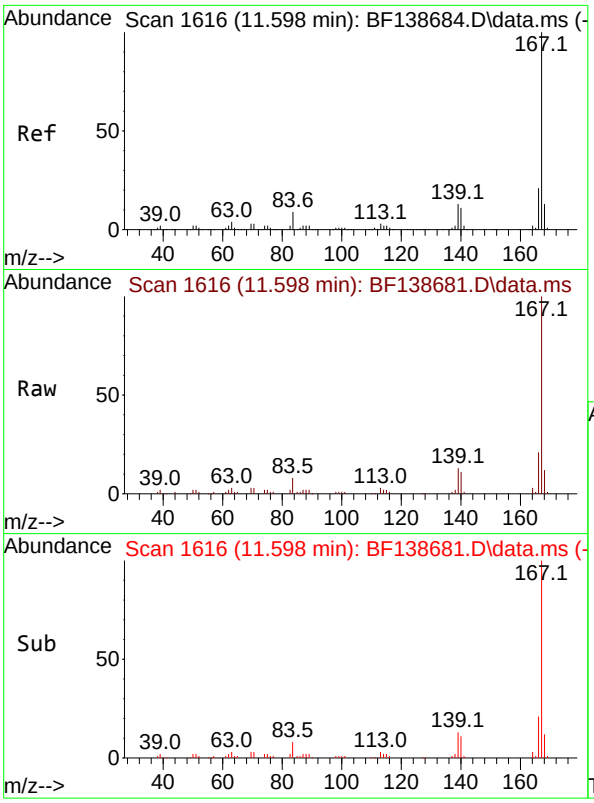


#72
Anthracene
Concen: 5.332 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



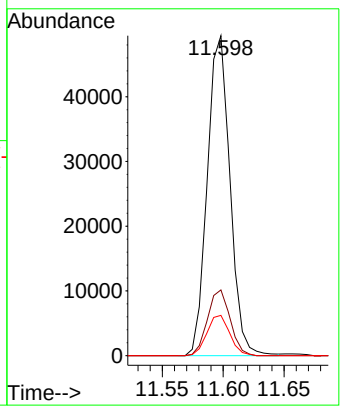


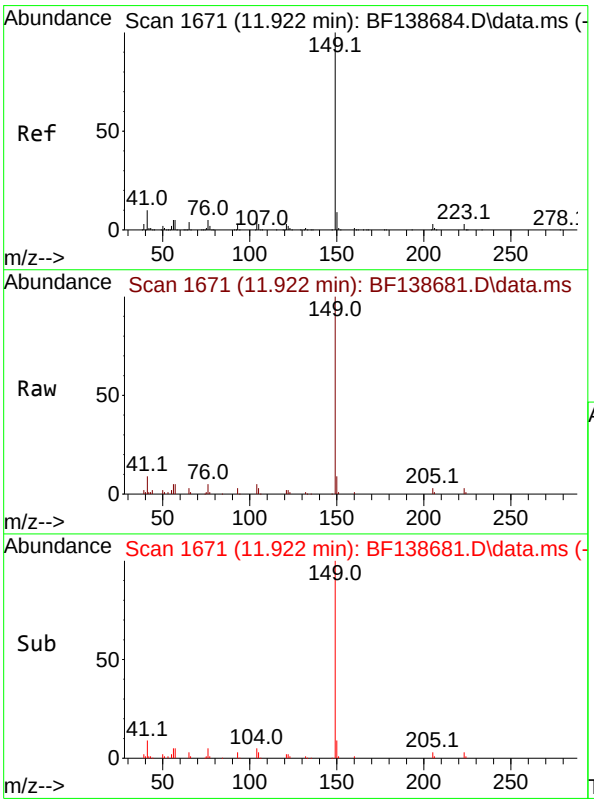
#73
Carbazole
Concen: 5.541 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

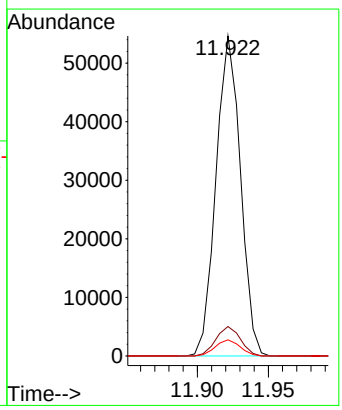


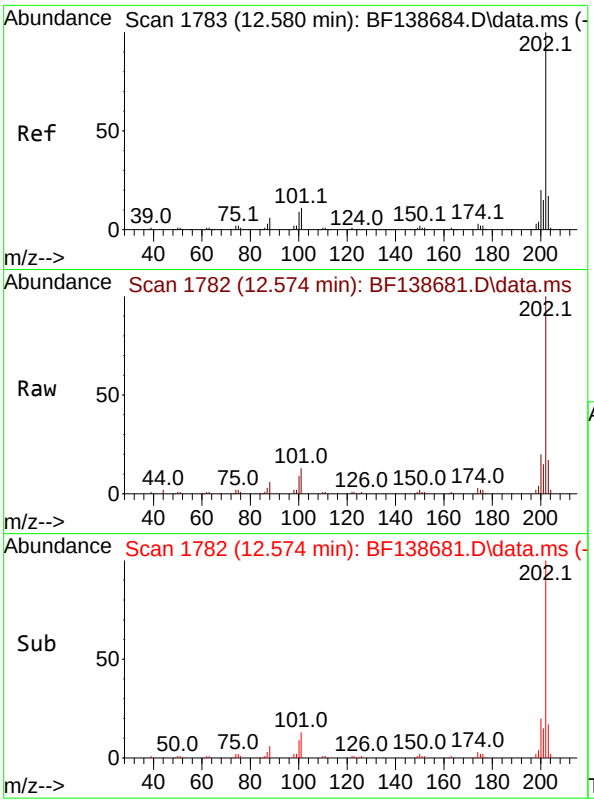


#74
Di-n-butylphthalate
Concen: 5.034 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



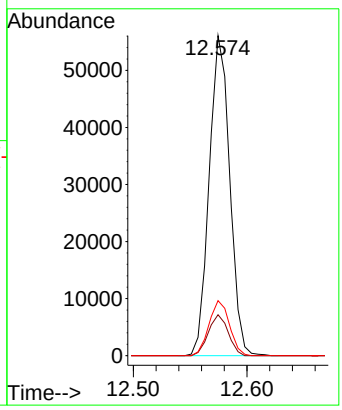


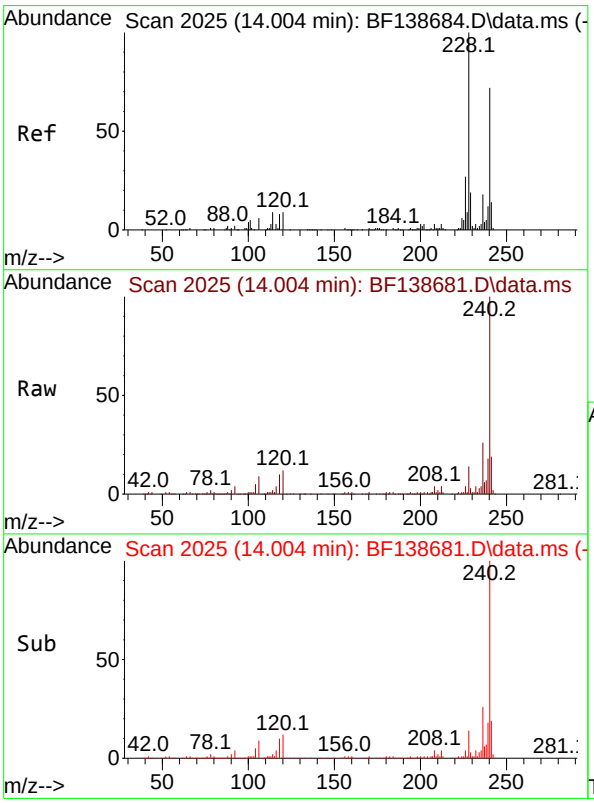
#75
Fluoranthene
Concen: 5.554 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

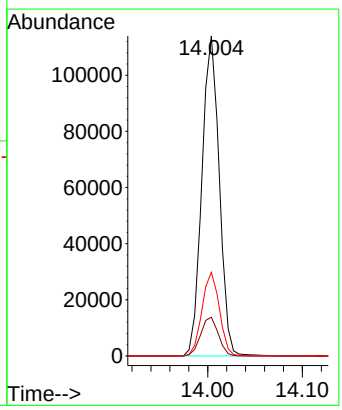


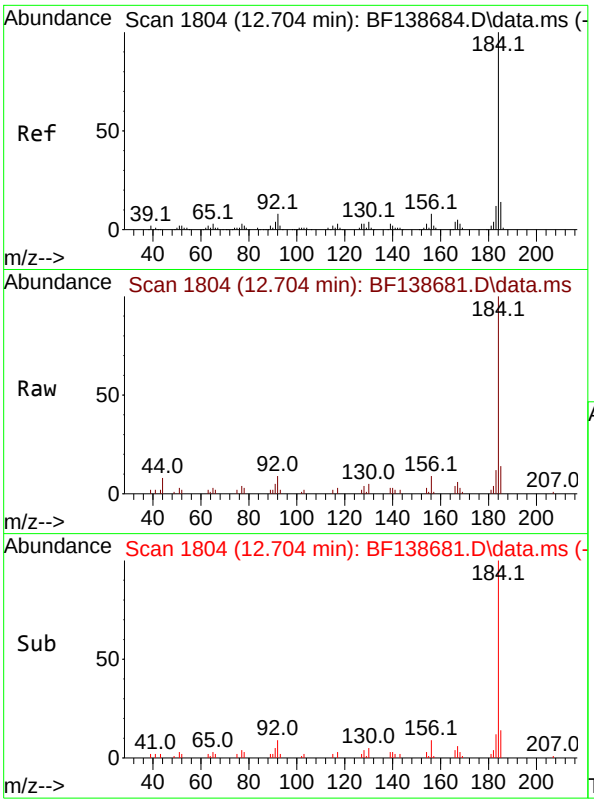


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



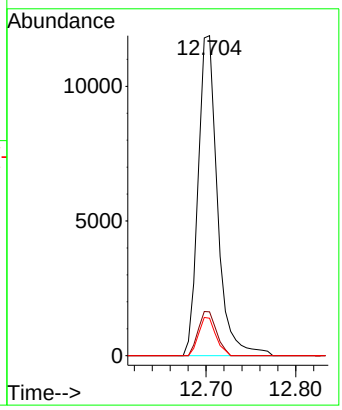


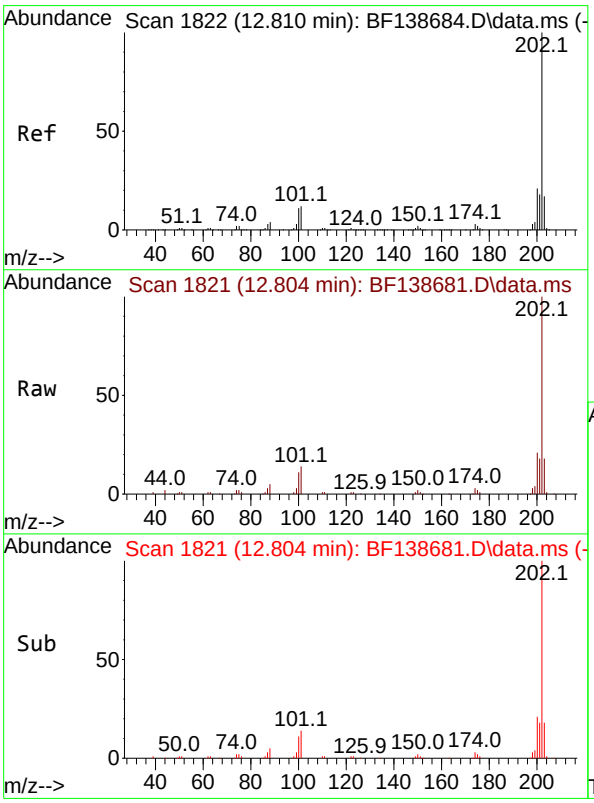
#77
Benzidine
Concen: 5.129 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

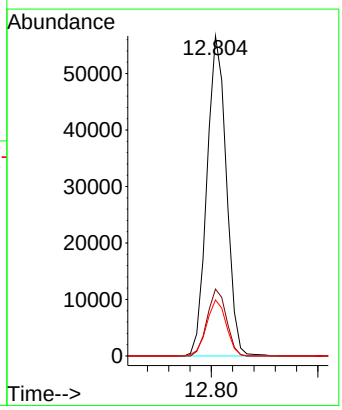


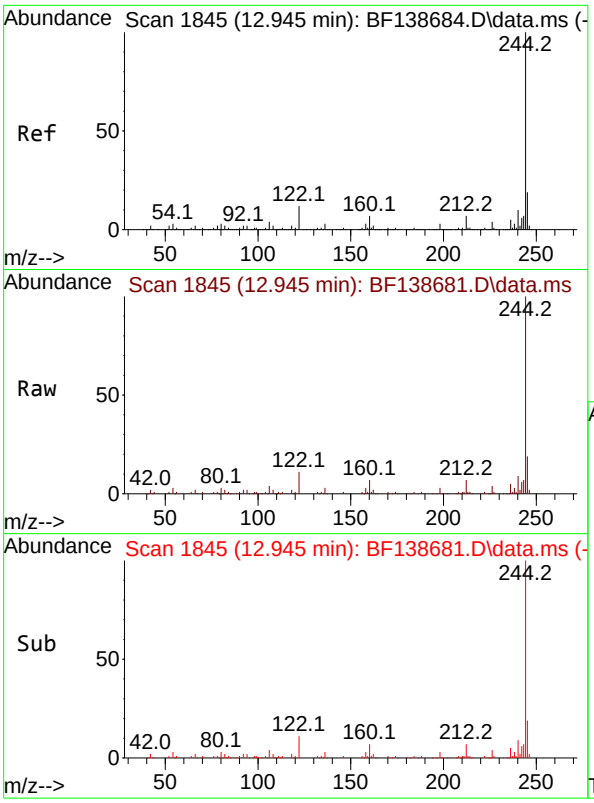


#78
Pyrene
Concen: 5.253 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



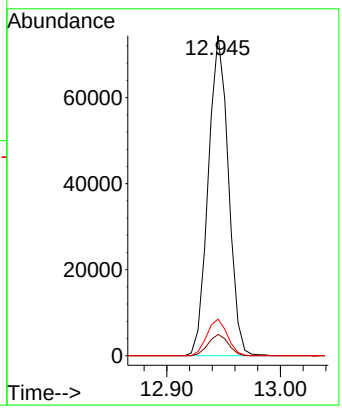


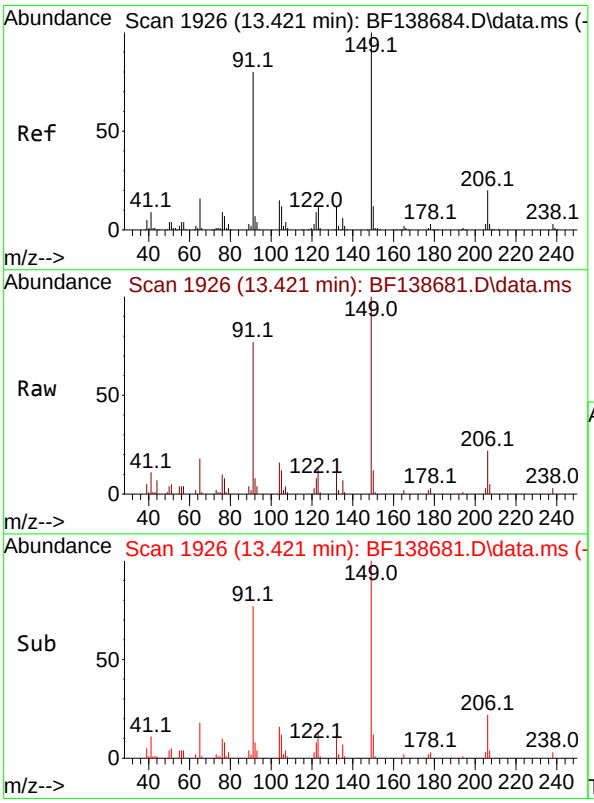
#79
Terphenyl-d14
Concen: 10.581 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

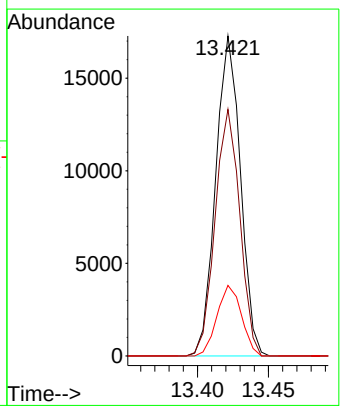


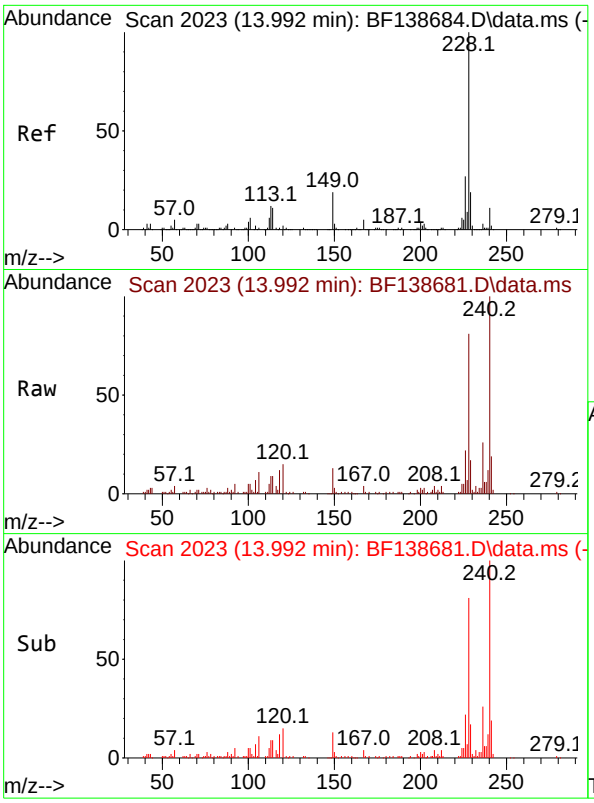


#80
Butylbenzylphthalate
Concen: 4.782 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



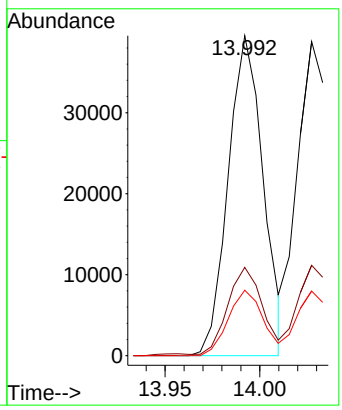


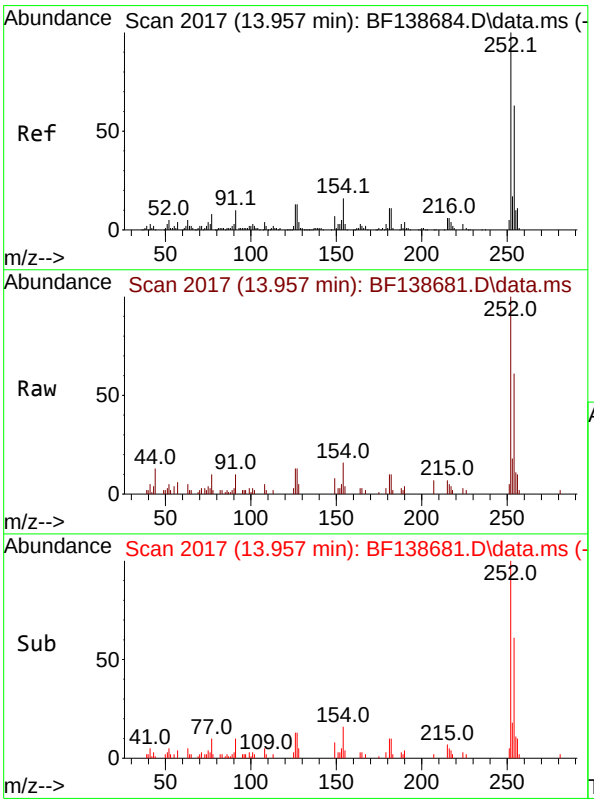
#81
Benzo(a)anthracene
Concen: 5.086 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

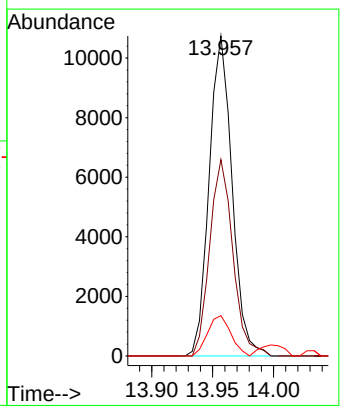


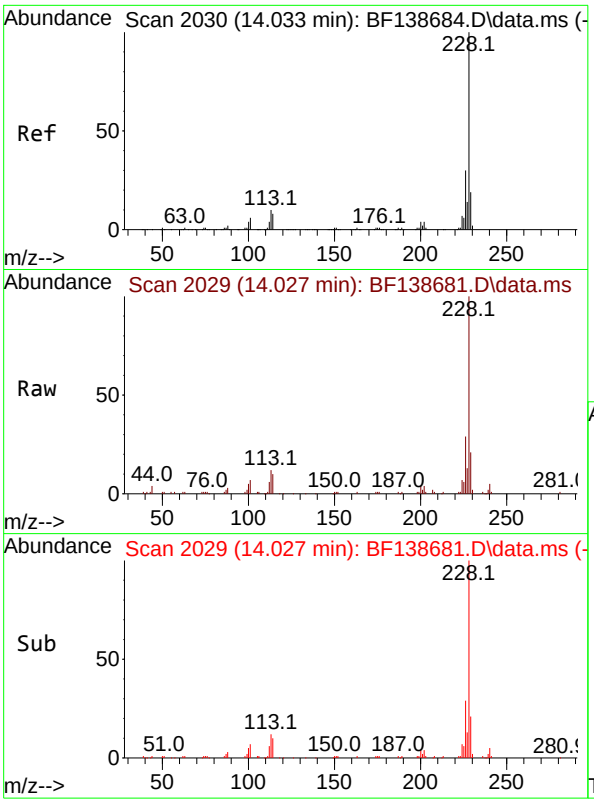


#82
3,3'-Dichlorobenzidine
Concen: 5.509 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



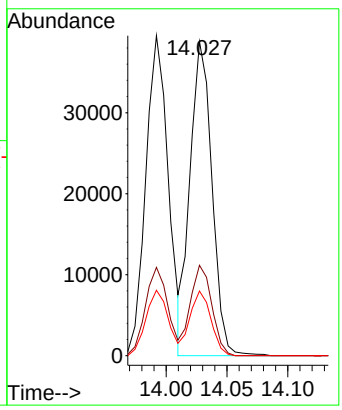


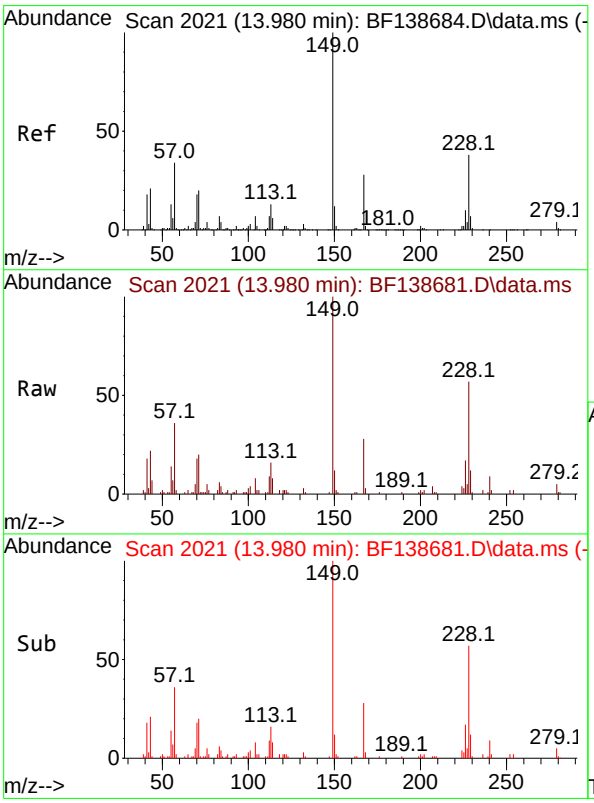
#83
Chrysene
Concen: 5.401 ng
RT: 14.027 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

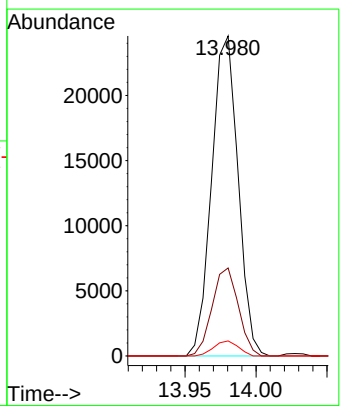


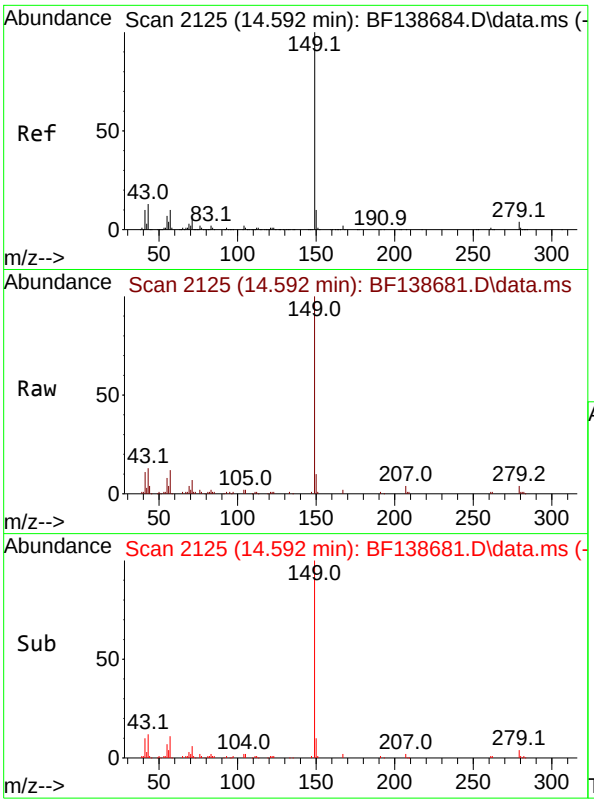


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.961 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



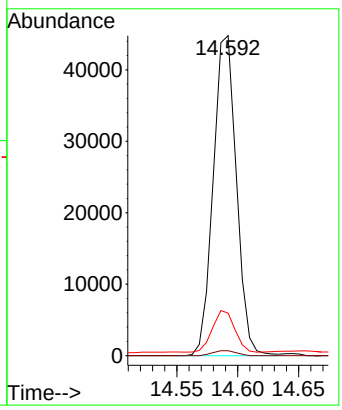


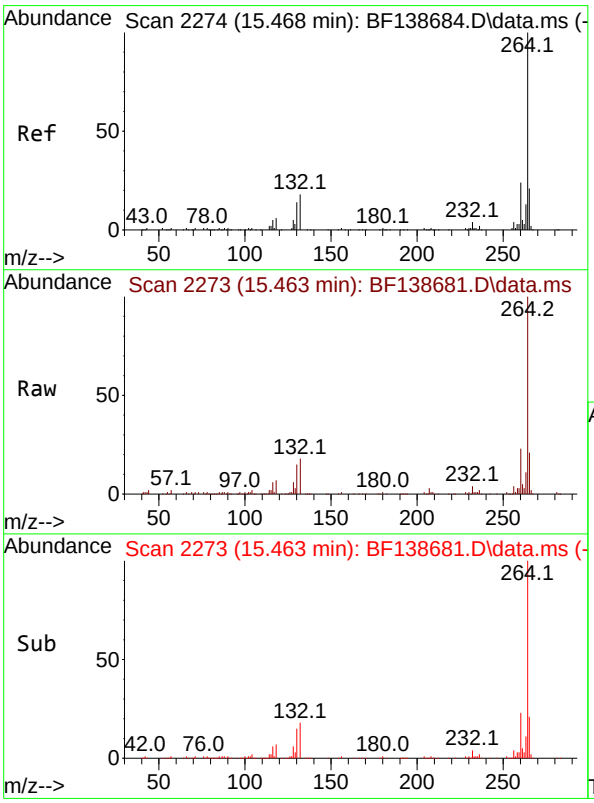
#85
Di-n-octyl phthalate
Concen: 5.011 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

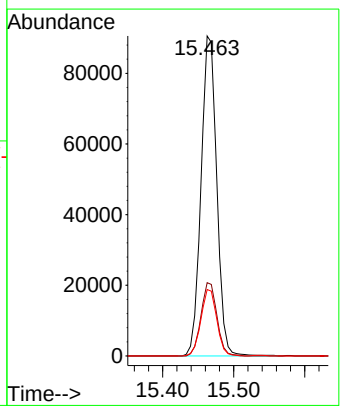


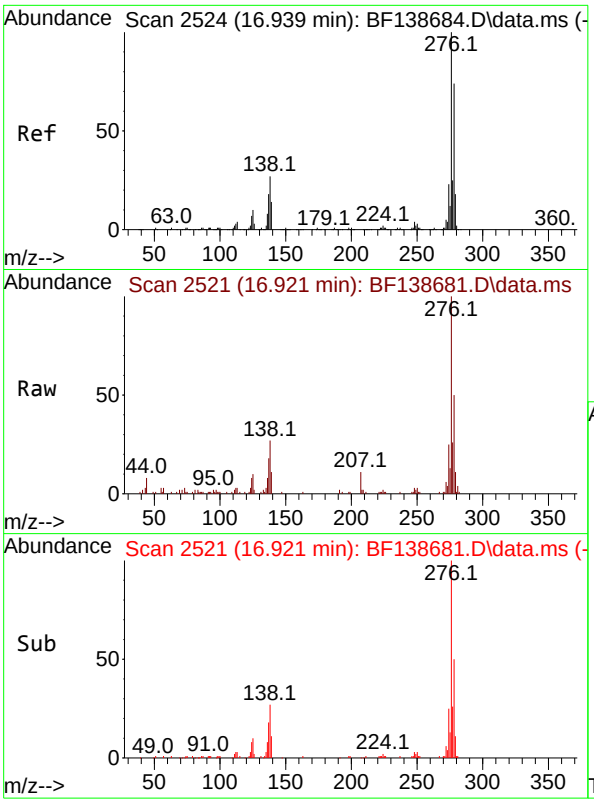


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



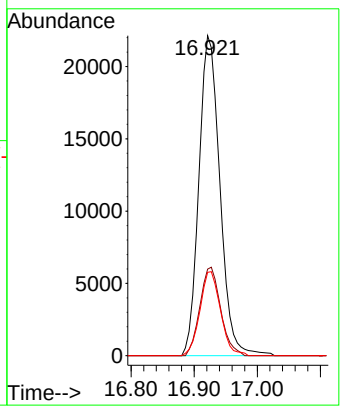


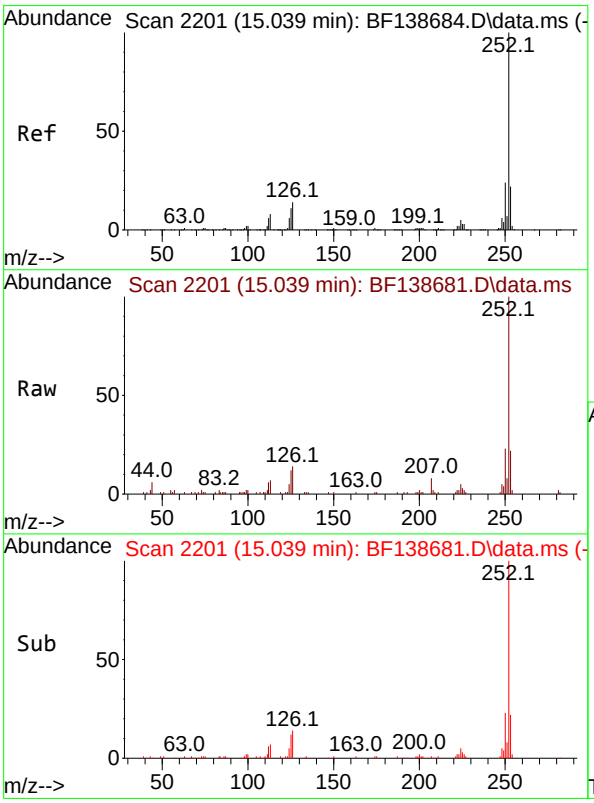
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.126 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

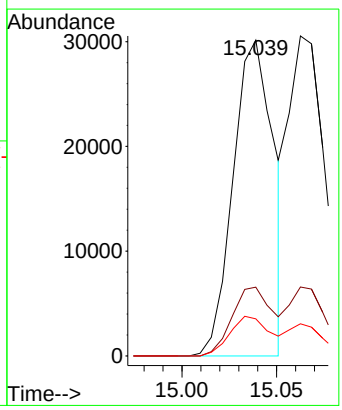


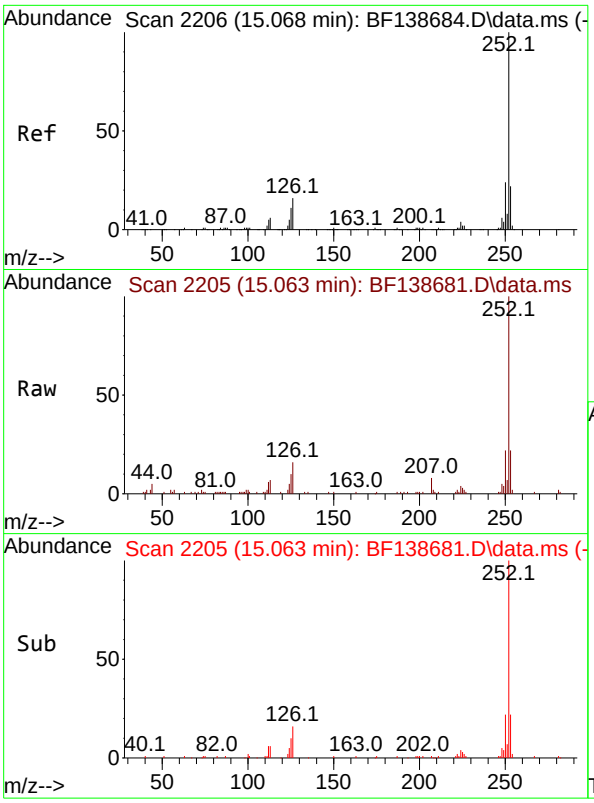


#88
Benzo(b)fluoranthene
Concen: 5.188 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



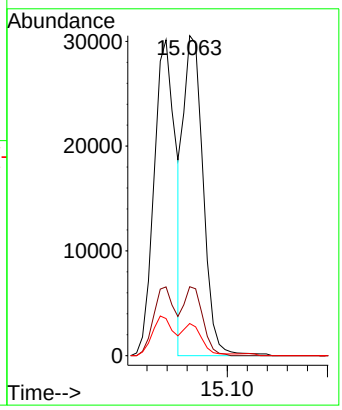


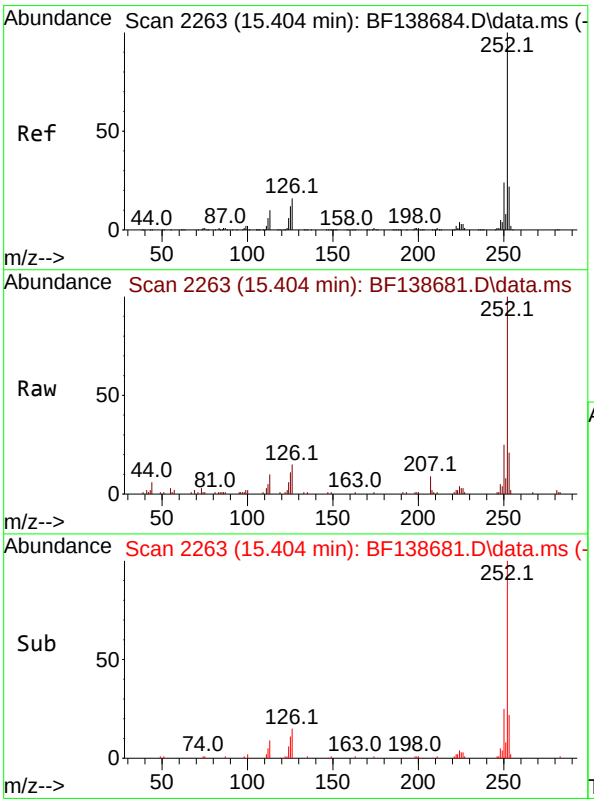
#89
Benzo(k)fluoranthene
Concen: 5.600 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

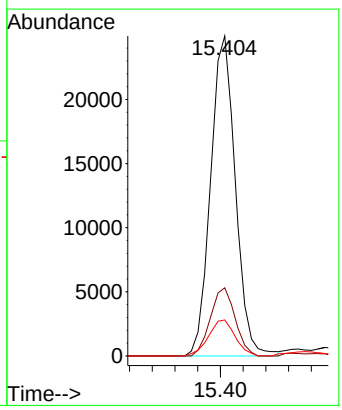


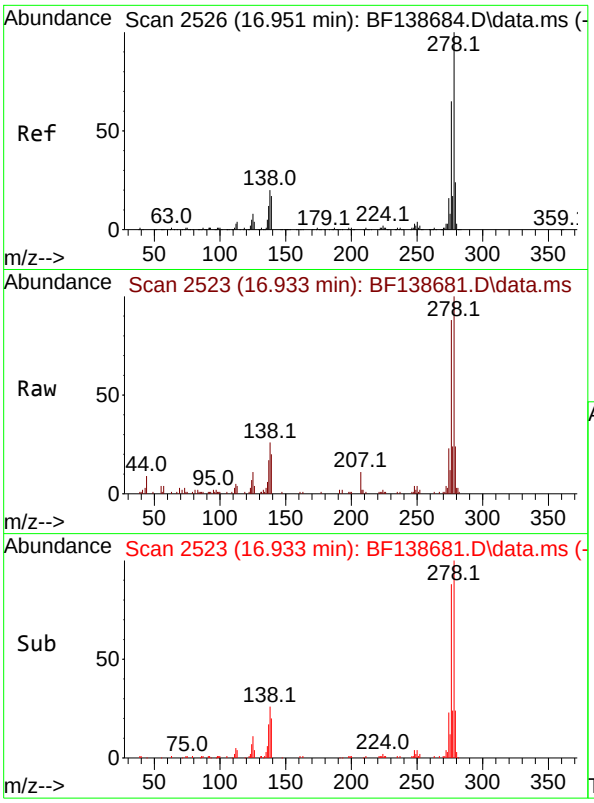


#90
Benzo(a)pyrene
Concen: 5.199 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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



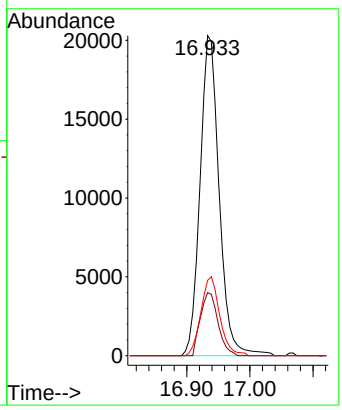


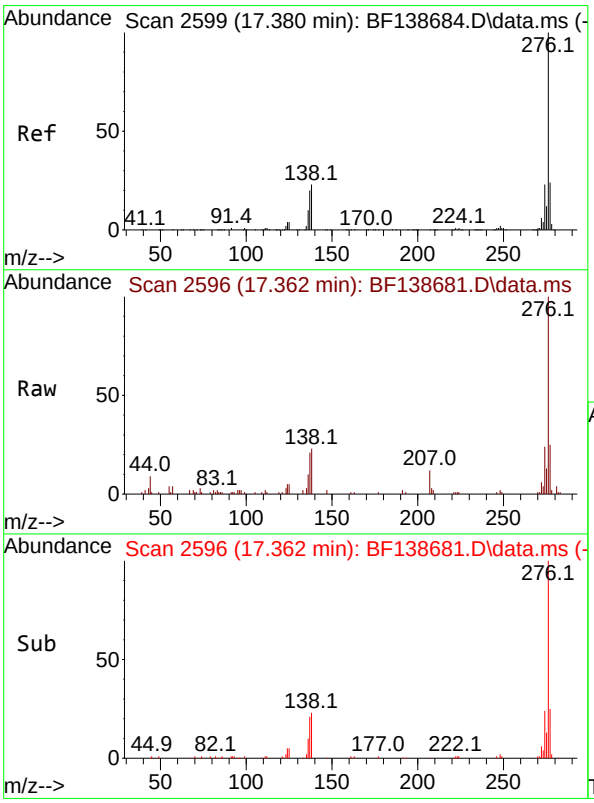
#91
Dibenzo(a,h)anthracene
Concen: 5.209 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

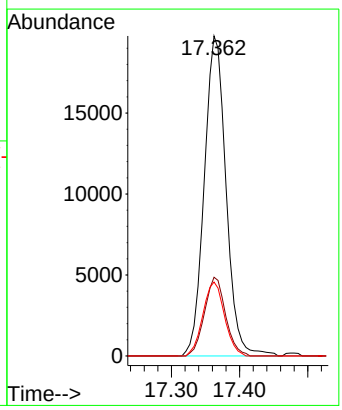




#92
Benzo(g,h,i)perylene
Concen: 5.165 ng
RT: 17.362 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BF138681.D
Acq: 30 Jul 2024 13:25

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

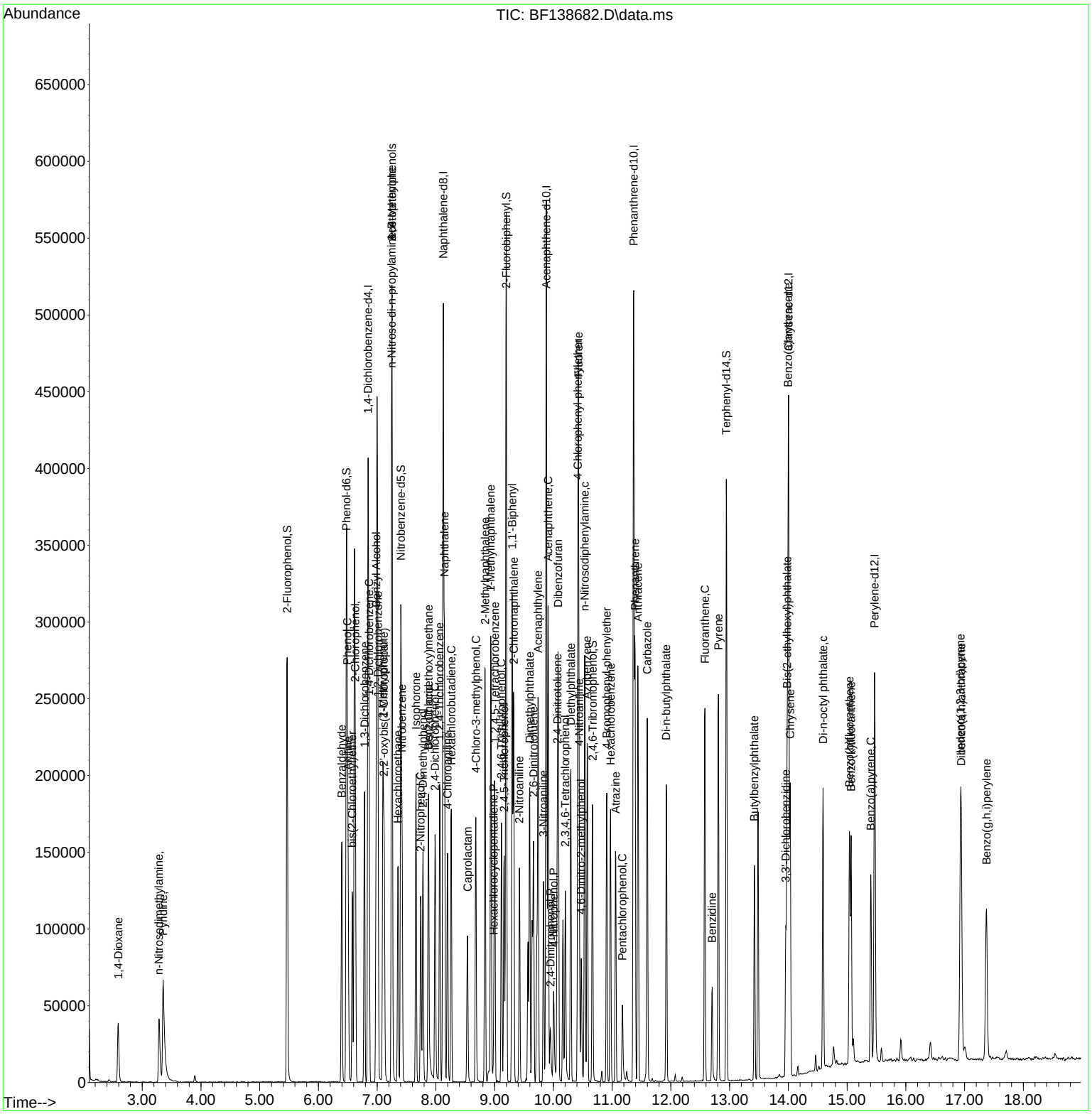
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Data File : BF138682.D
Acq On : 30 Jul 2024 13:56
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

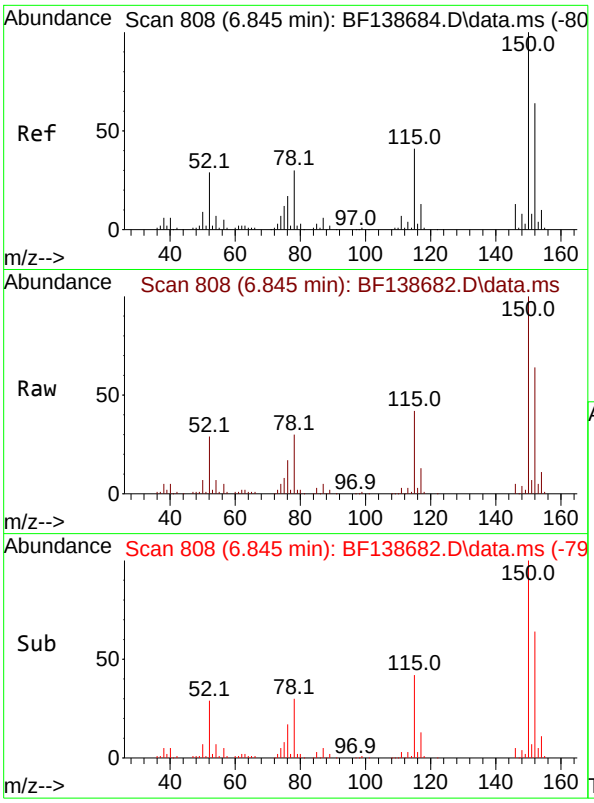
Quant Time: Jul 30 17:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:38:59 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

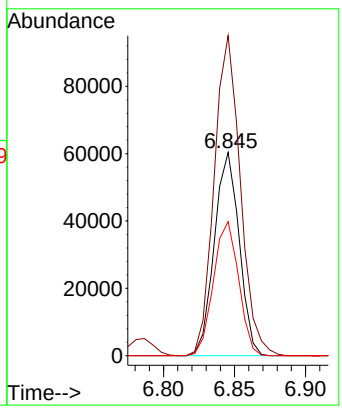




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:152 Resp: 7334

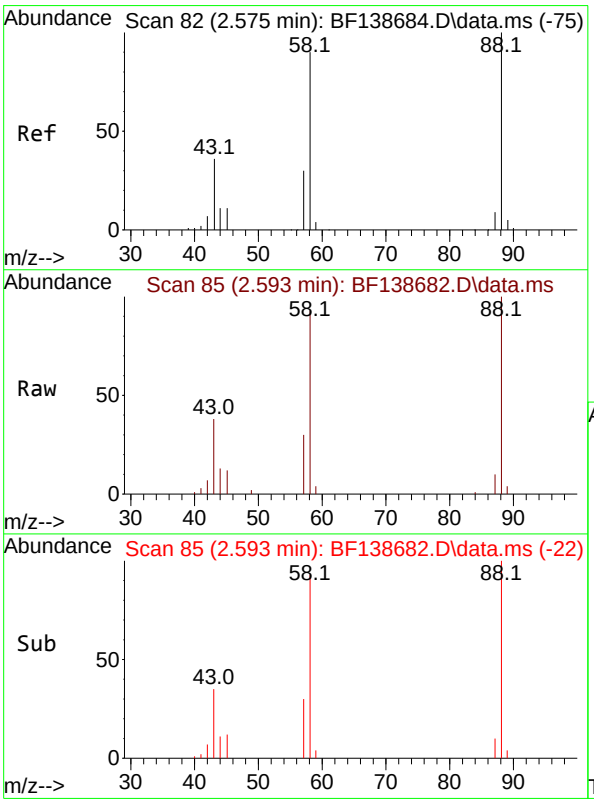
Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.0	189.0
115	66.0	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

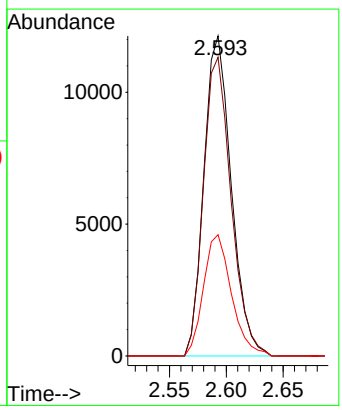
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

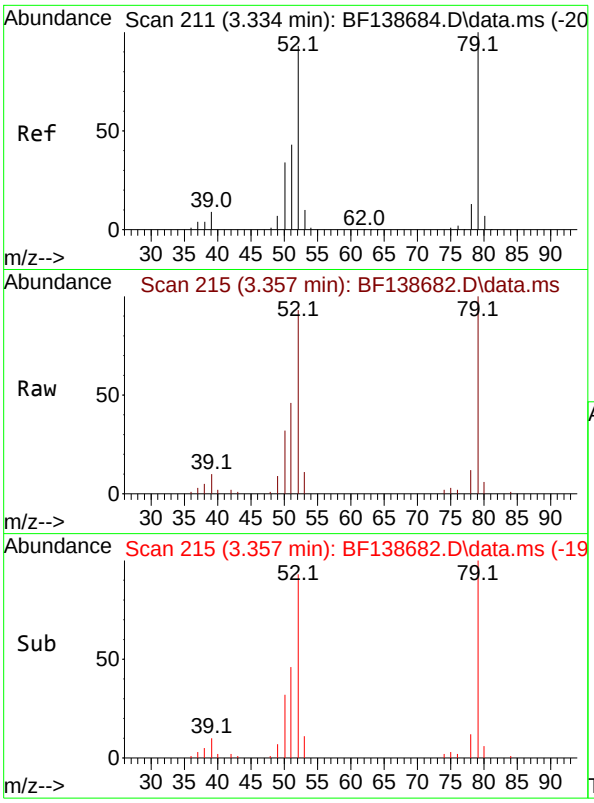


#2
1,4-Dioxane
Concen: 9.777 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.018 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

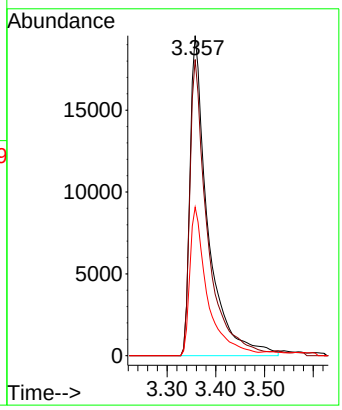
Tgt Ion: 79 Resp: 5005

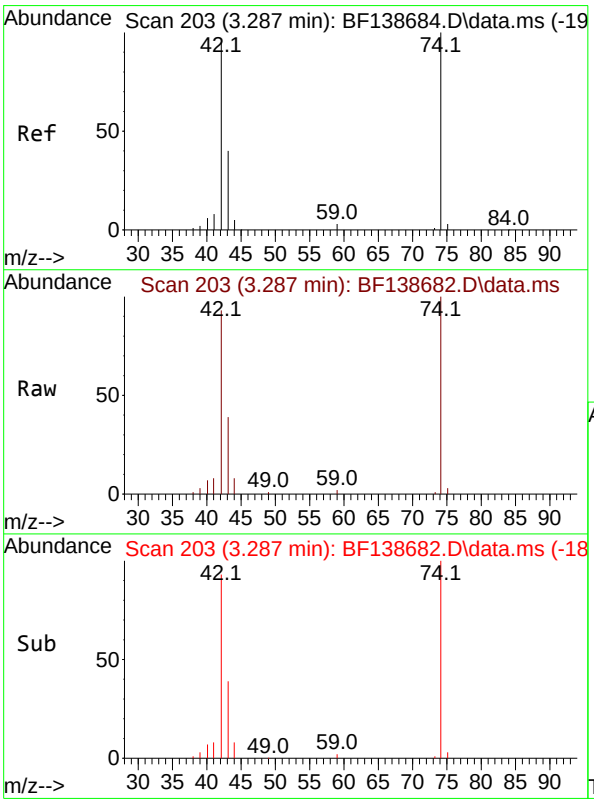
Ion	Ratio	Lower	Upper
79	100		
52	92.6	74.7	112.1
51	46.4	34.6	51.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

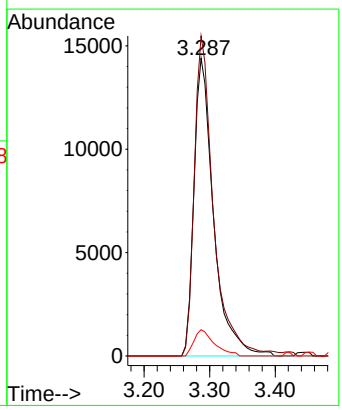


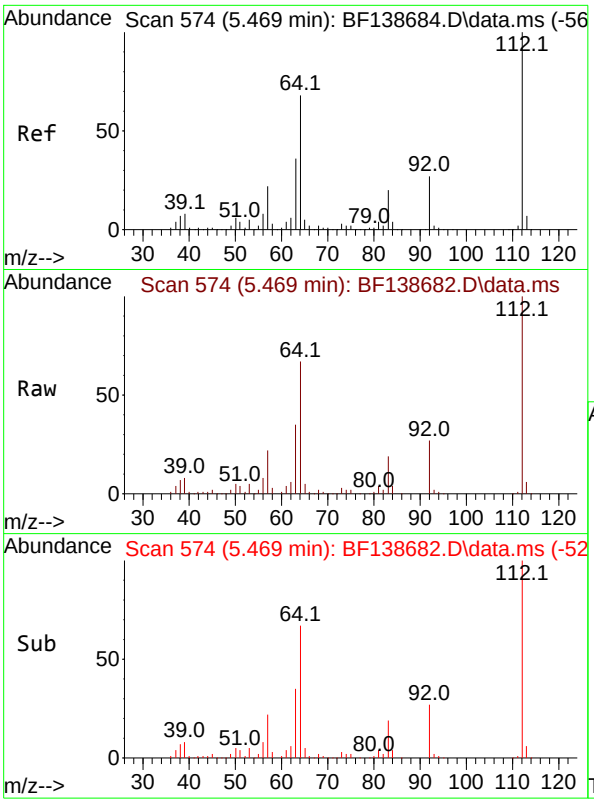


#4
n-Nitrosodimethylamine
Concen: 9.983 ng
RT: 3.287 min Scan# 203
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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#

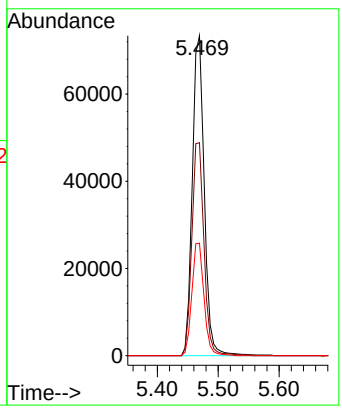




#5
2-Fluorophenol
Concen: 21.108 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:112 Resp: 10029

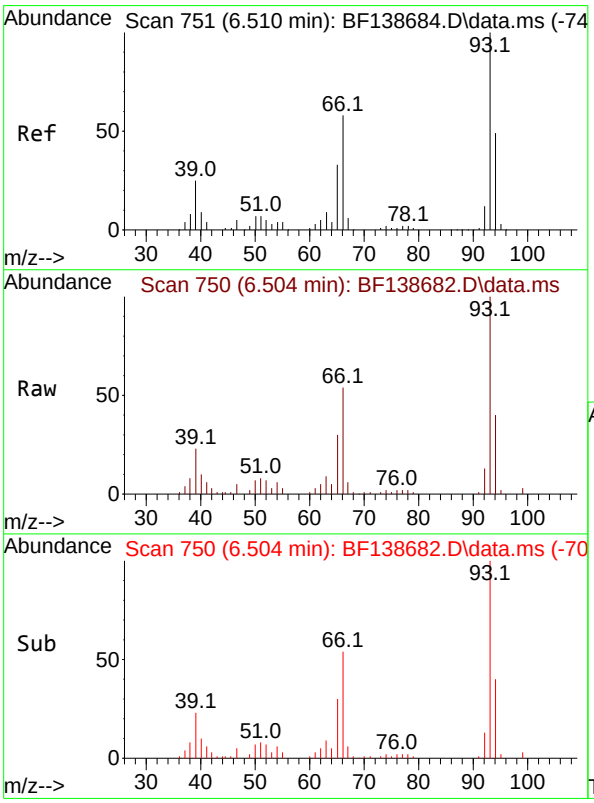
Ion	Ratio	Lower	Upper
112	100		
64	66.6	54.2	81.4
63	35.2	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

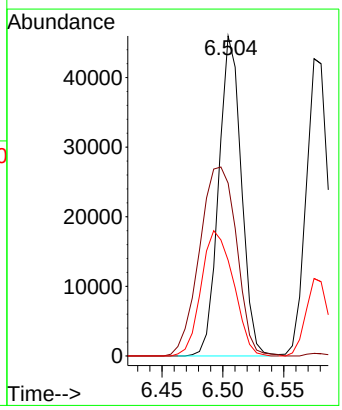
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

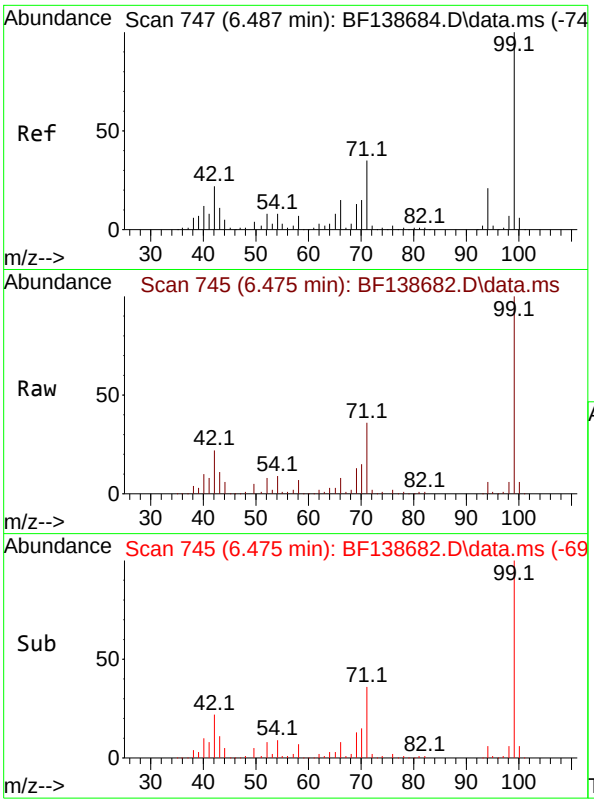


#6
Aniline
Concen: 10.481 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

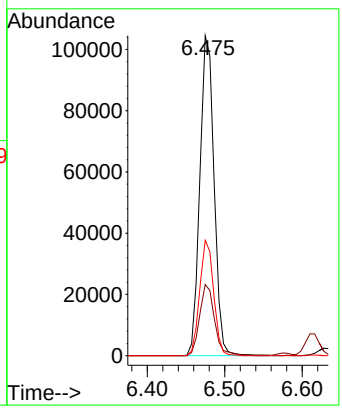




#7
Phenol-d6
Concen: 20.884 ng
RT: 6.475 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 99 Resp: 13323

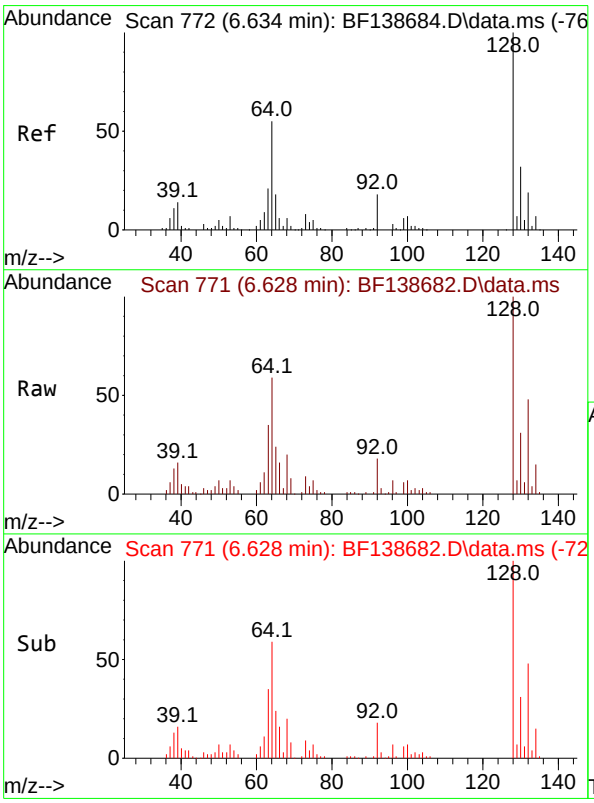
Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.0
71	36.0	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

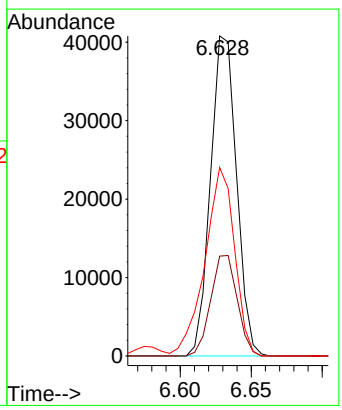
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

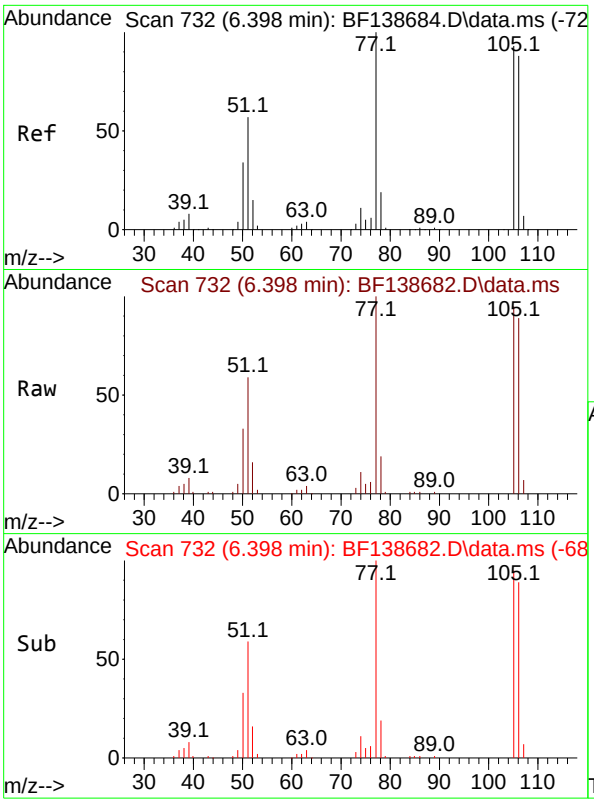


#8
2-Chlorophenol
Concen: 10.401 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

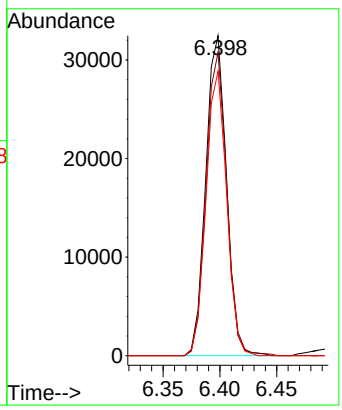




#9
Benzaldehyde
Concen: 10.733 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 4104

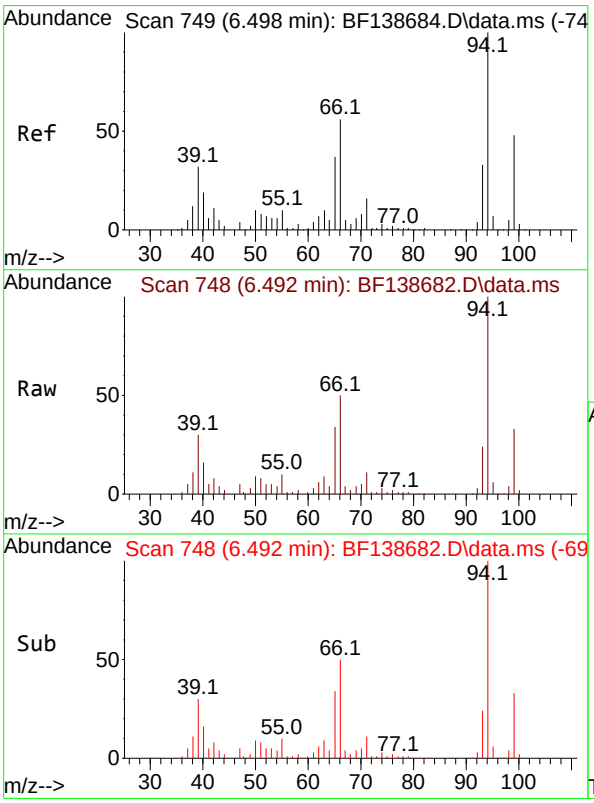
Ion	Ratio	Lower	Upper
77	100		
105	94.8	72.9	112.9
106	88.9	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

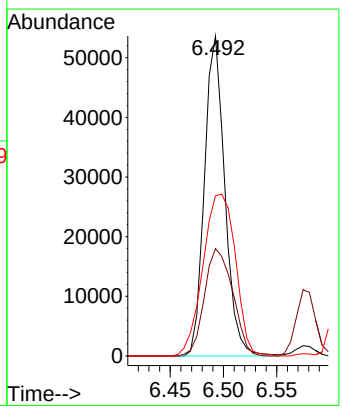
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

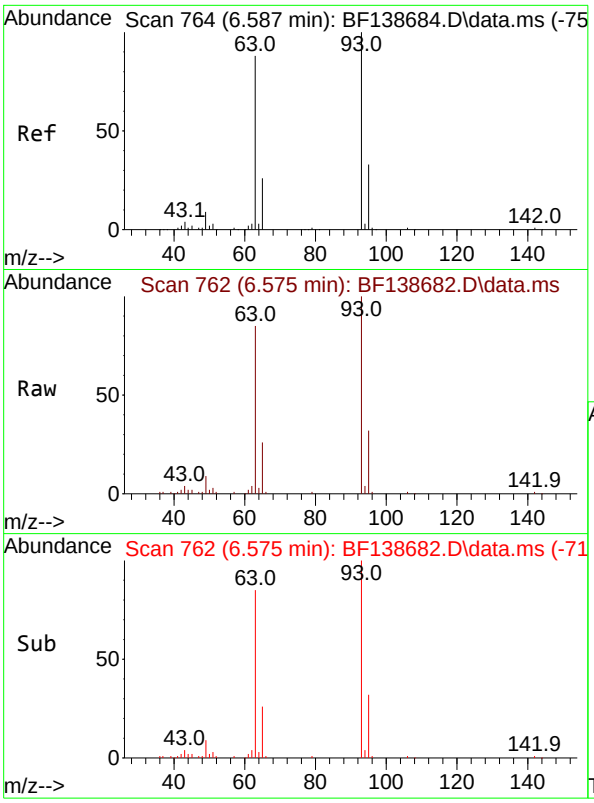


#10
Phenol
Concen: 10.626 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

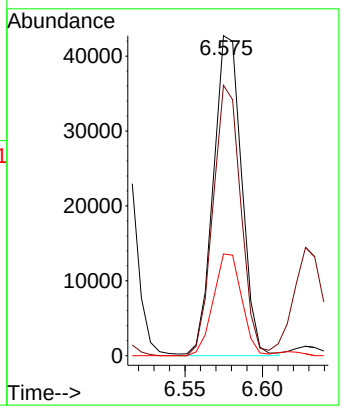




#11
bis(2-Chloroethyl)ether
Concen: 10.471 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 93 Resp: 5412

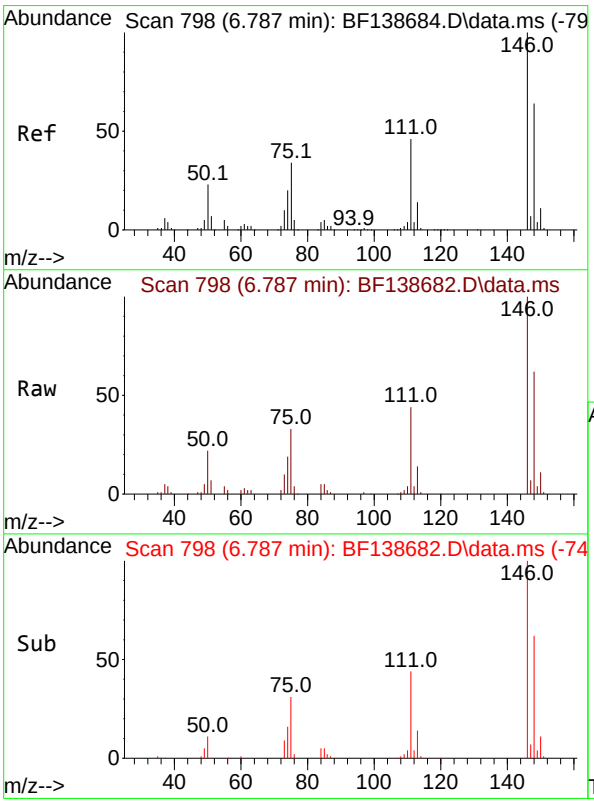
Ion	Ratio	Lower	Upper
93	100		
63	84.5	65.3	105.3
95	31.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

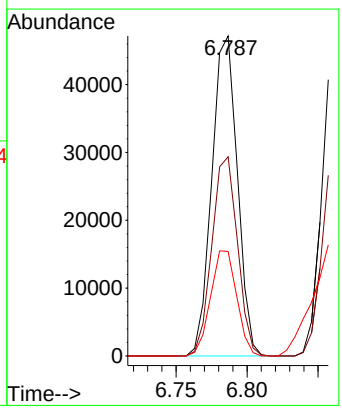
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

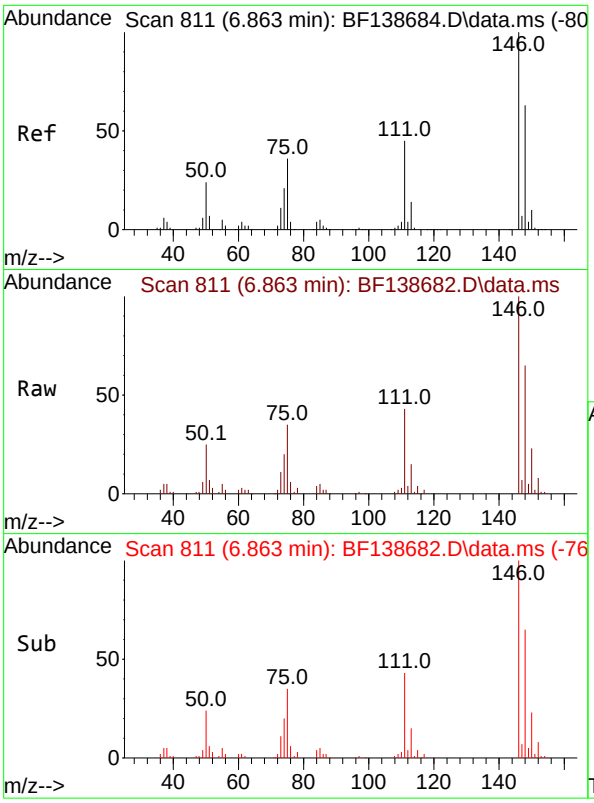


#12
1,3-Dichlorobenzene
Concen: 10.544 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

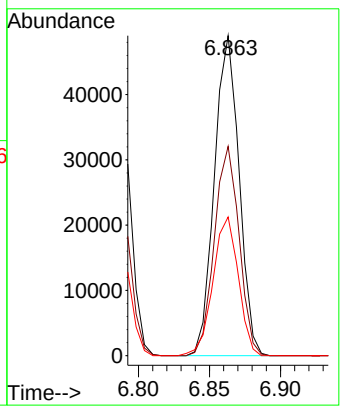




#13
1,4-Dichlorobenzene
Concen: 10.487 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:146 Resp: 5922

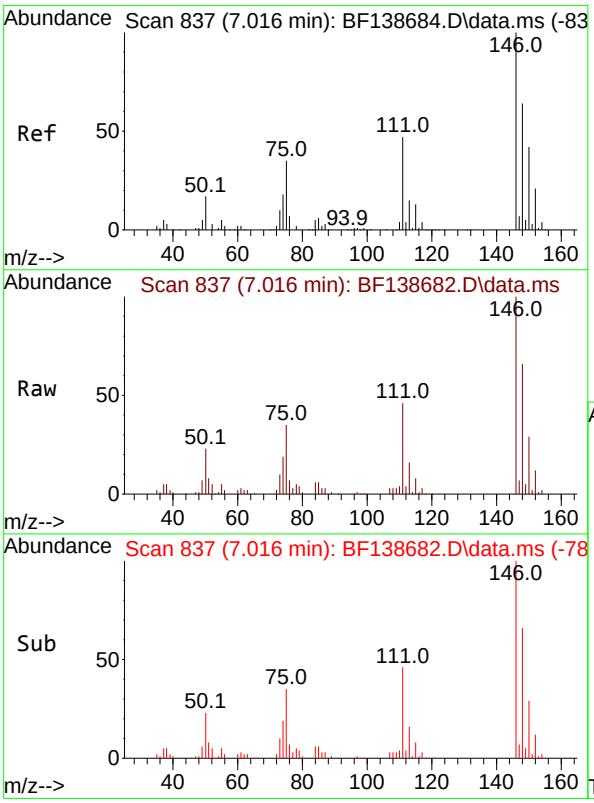
Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.2	75.2
111	43.4	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

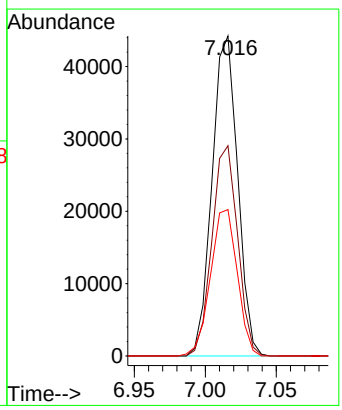
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

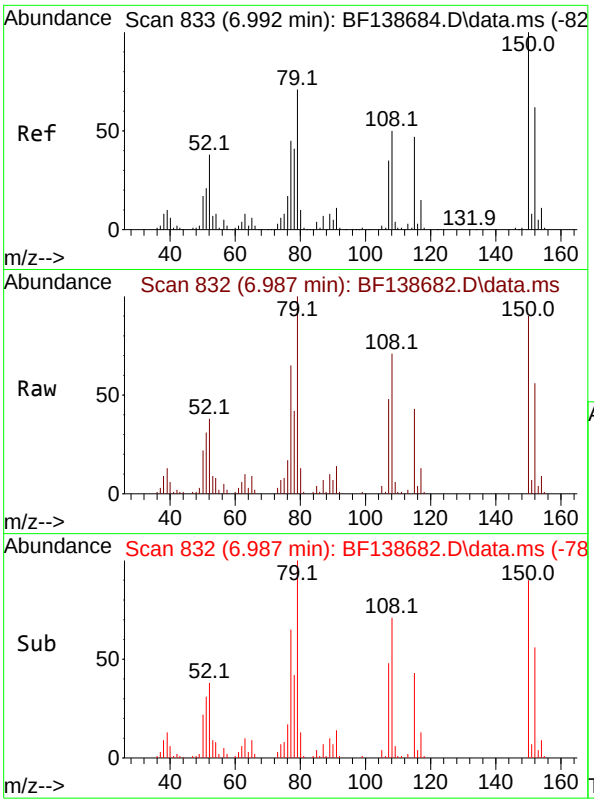


#14
1,2-Dichlorobenzene
Concen: 10.501 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

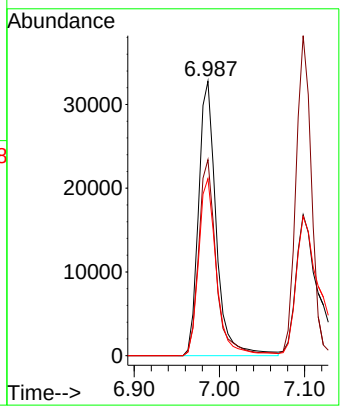




#15
Benzyl Alcohol
Concen: 10.267 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 79 Resp: 4720

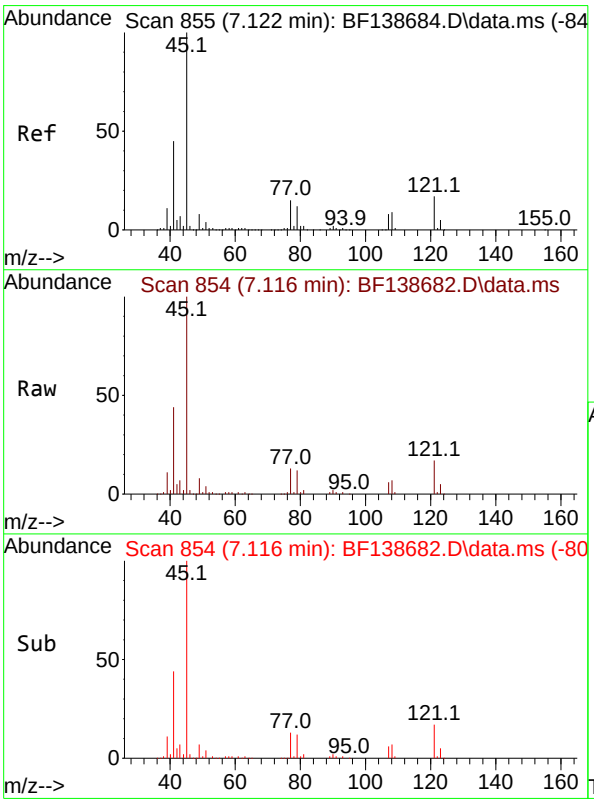
Ion	Ratio	Lower	Upper
79	100		
108	71.4	56.6	85.0
77	64.6	50.3	75.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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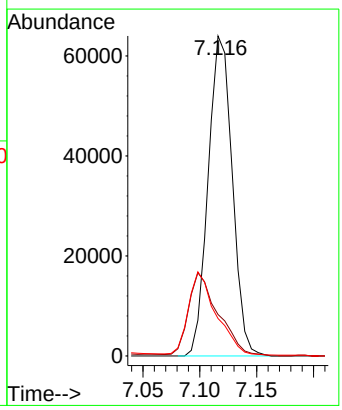
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

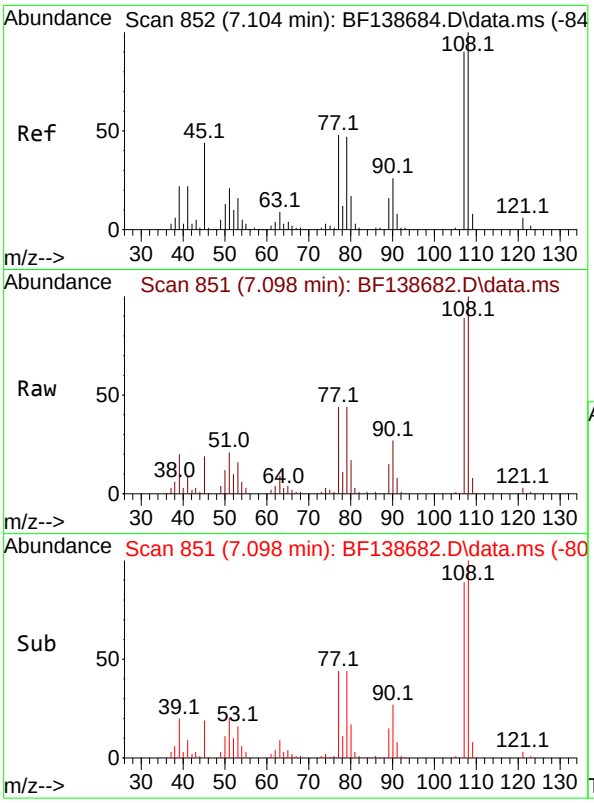


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.620 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

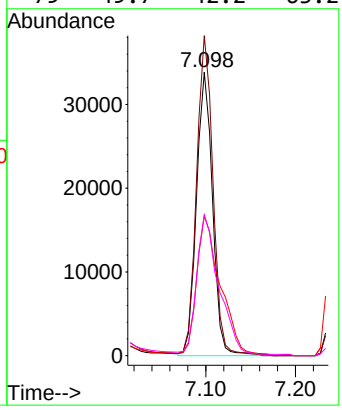




#17
2-Methylphenol
Concen: 10.252 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:107 Resp: 4232

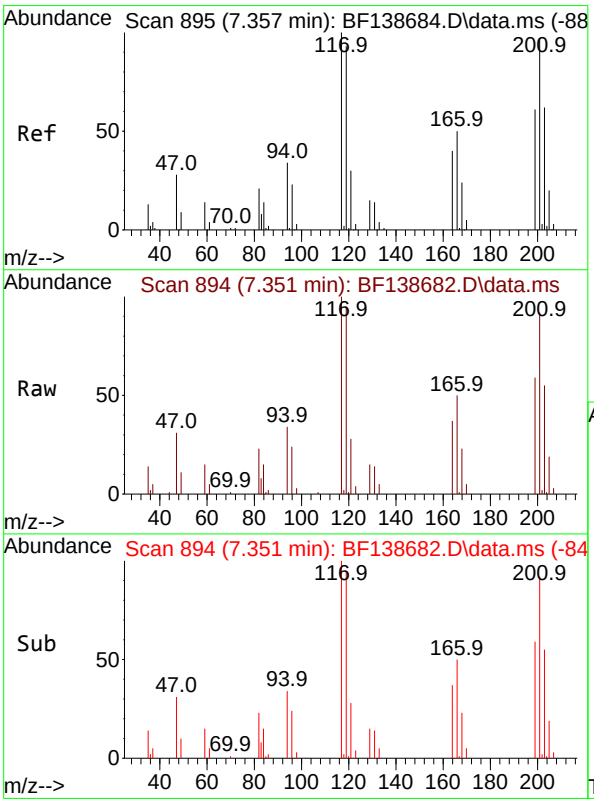
Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.2	133.8
77	49.1	43.0	64.4
79	49.7	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

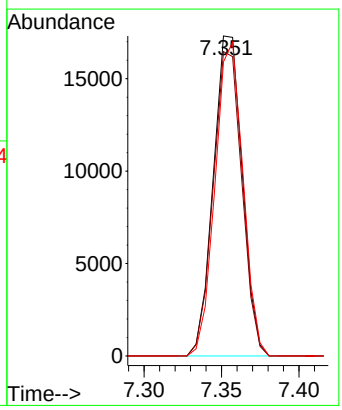
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

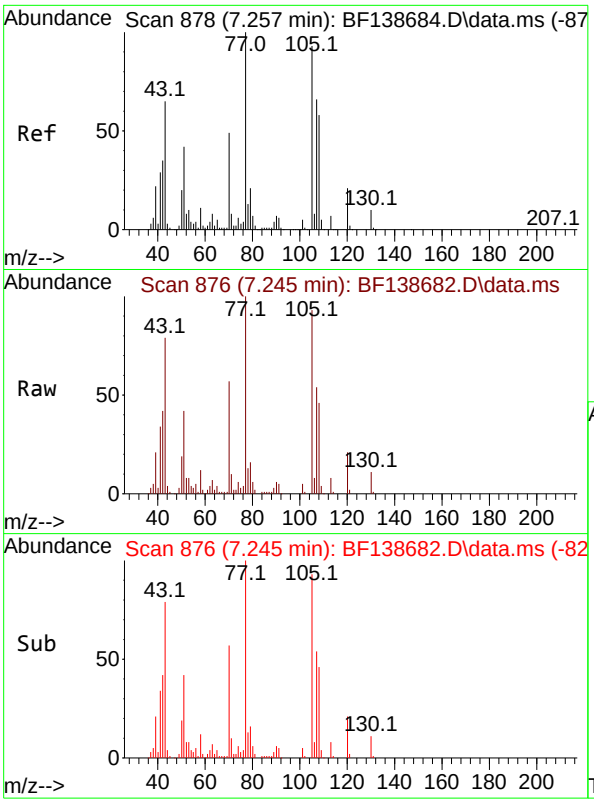


#18
Hexachloroethane
Concen: 10.598 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

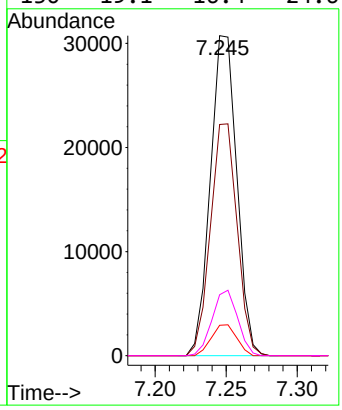




#19
n-Nitroso-di-n-propylamine
Concen: 10.345 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 70 Resp: 3986

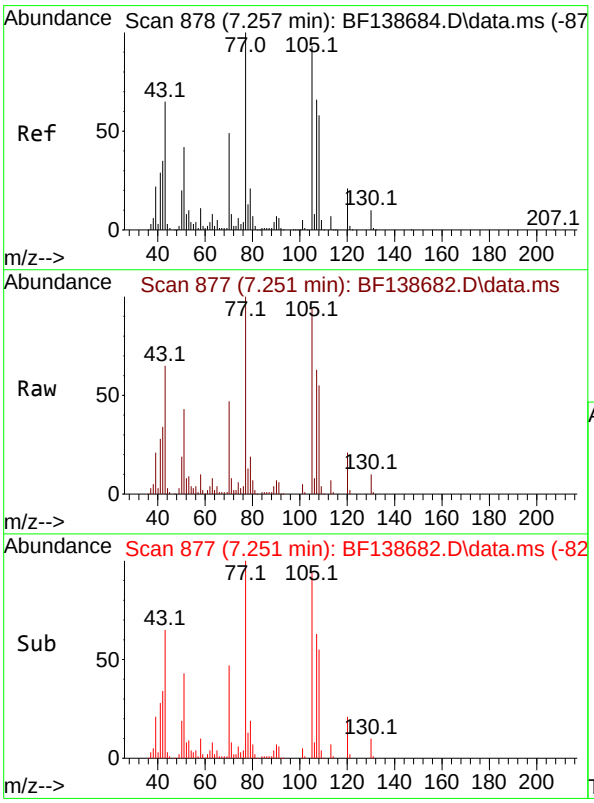
Ion	Ratio	Lower	Upper
70	100		
42	72.3	57.4	86.0
101	9.5	7.5	11.3
130	19.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

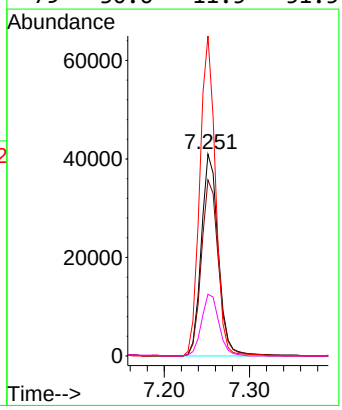
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

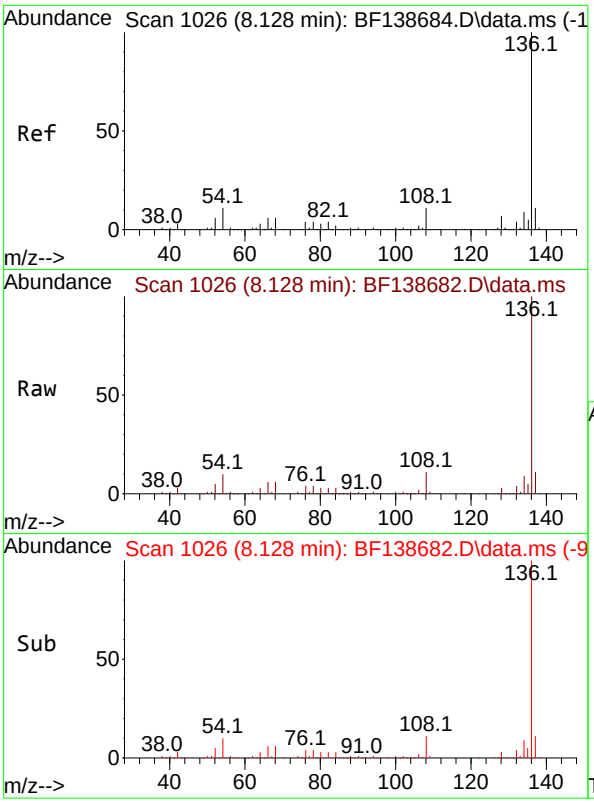


#20
3+4-Methylphenols
Concen: 10.760 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

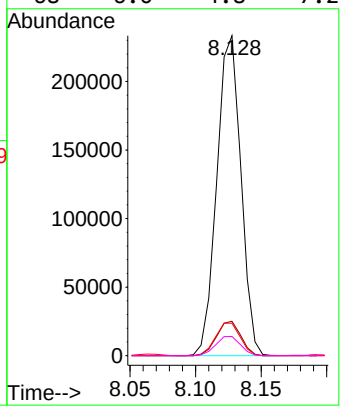
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

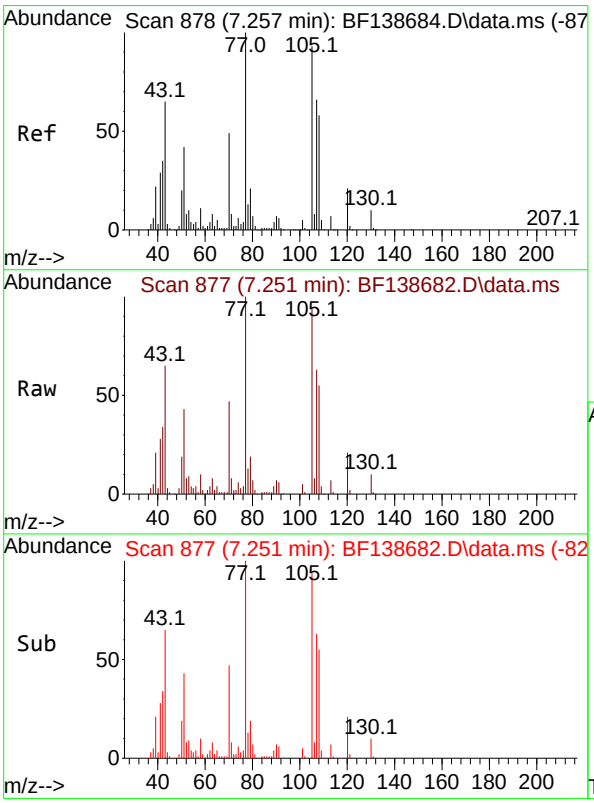
Tgt Ion:136 Resp: 29790

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

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

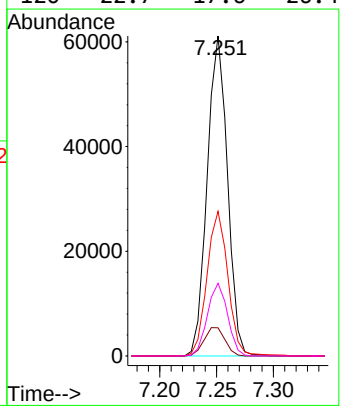


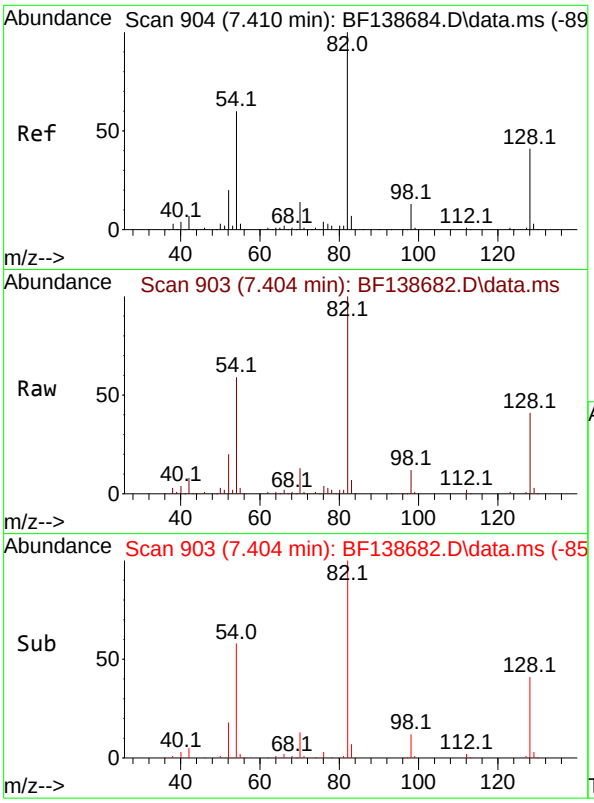


#22
Acetophenone
Concen: 10.404 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

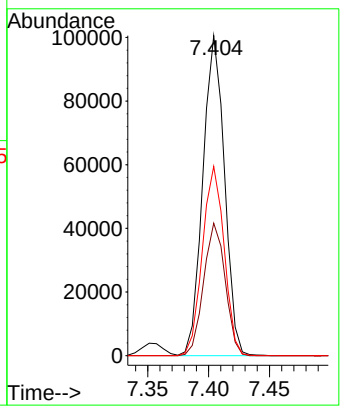




#23
Nitrobenzene-d5
Concen: 20.350 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 82 Resp: 12399

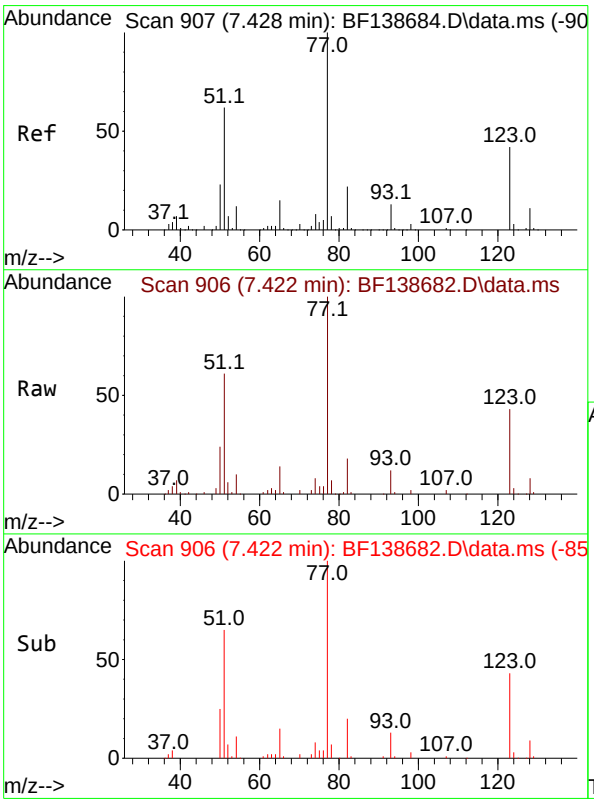
Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.8	49.2
54	59.1	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

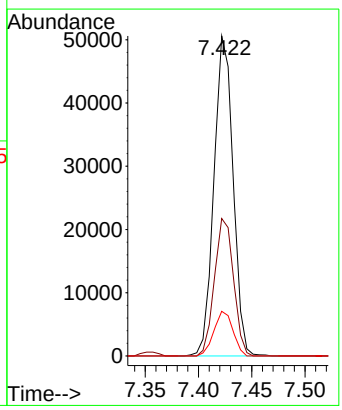
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

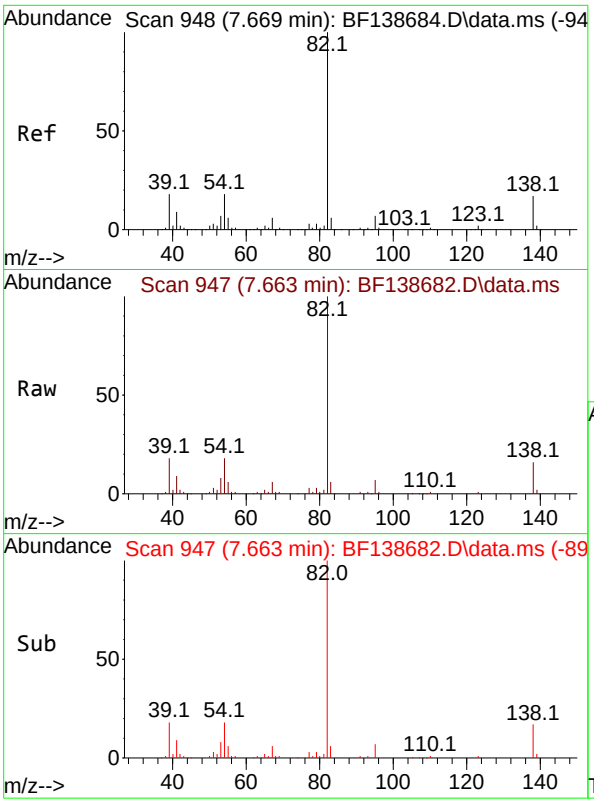


#24
Nitrobenzene
Concen: 10.164 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

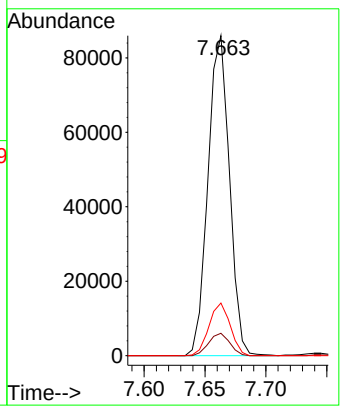




#25
Isophorone
Concen: 10.167 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 82 Resp: 10578

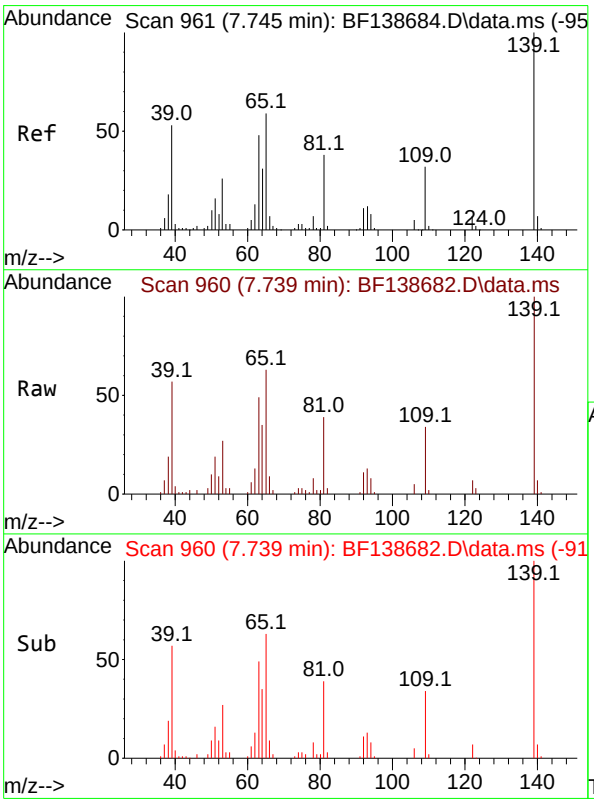
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	16.4	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

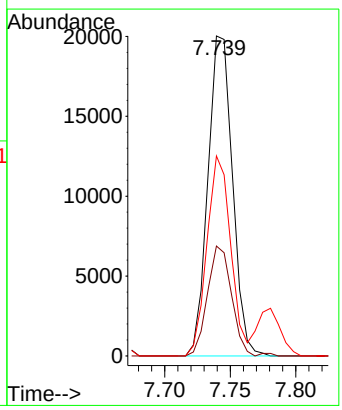
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

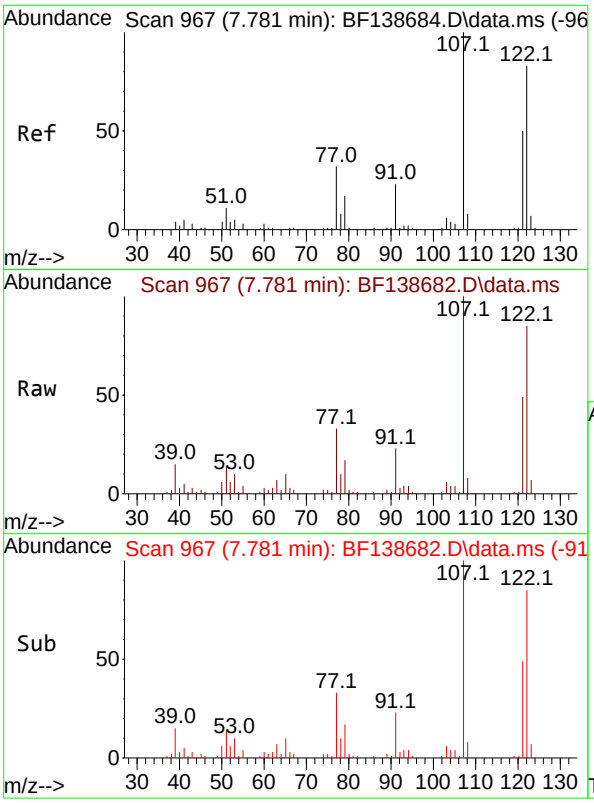


#26
2-Nitrophenol
Concen: 9.803 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

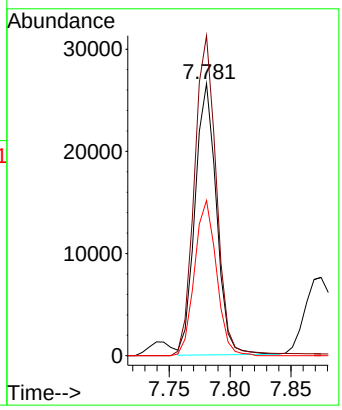




#27
2,4-Dimethylphenol
Concen: 10.147 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:122 Resp: 3238

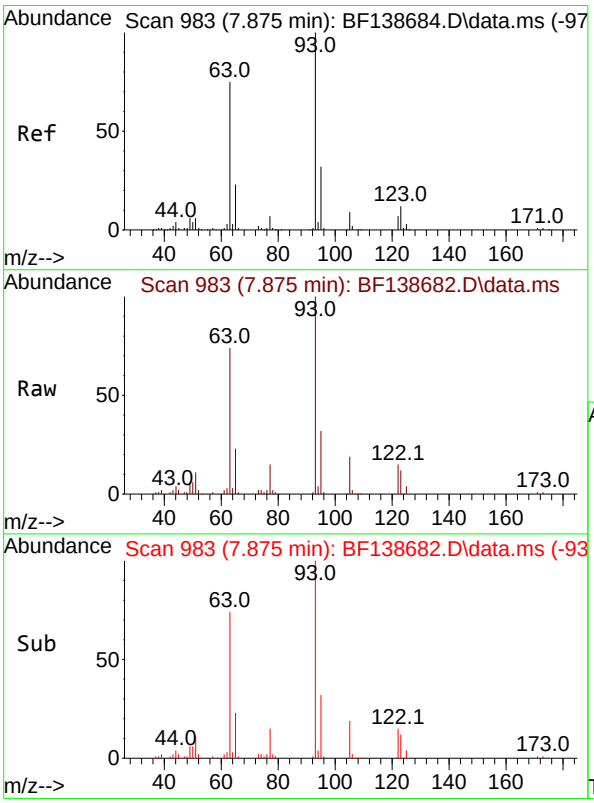
Ion	Ratio	Lower	Upper
122	100		
107	117.6	95.0	142.6
121	57.1	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

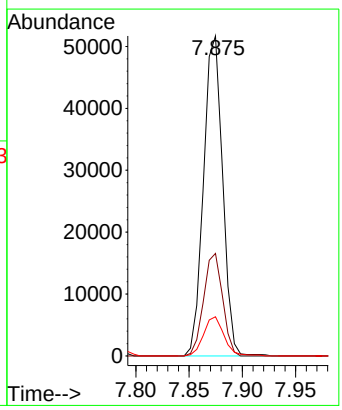
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

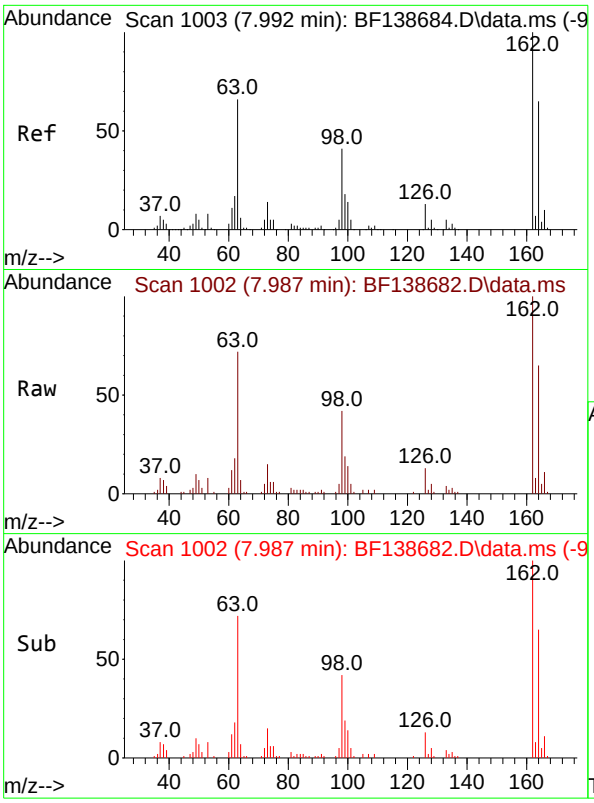


#28
bis(2-Chloroethoxy)methane
Concen: 10.191 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

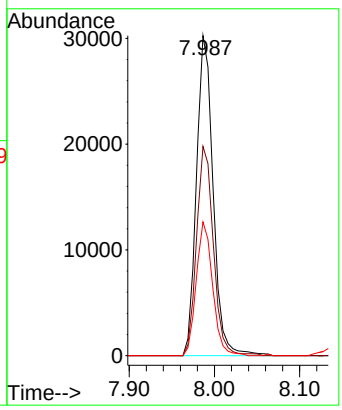




#29
2,4-Dichlorophenol
Concen: 10.031 ng
RT: 7.987 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:162 Resp: 4113

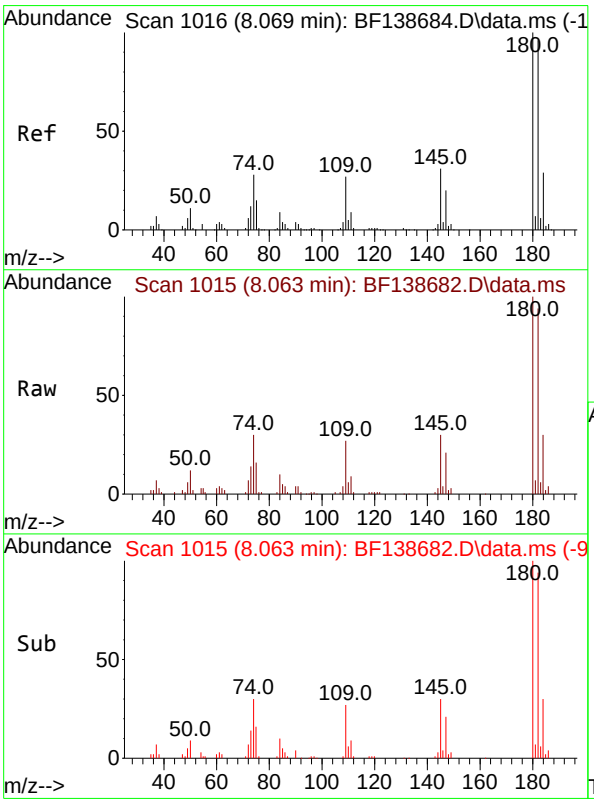
Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.7	84.7
98	41.8	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

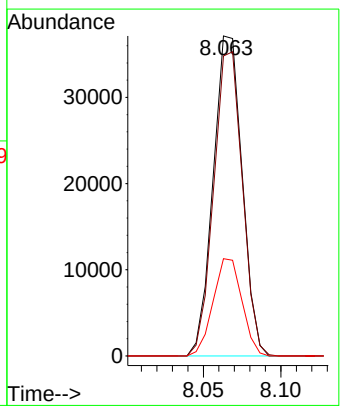
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

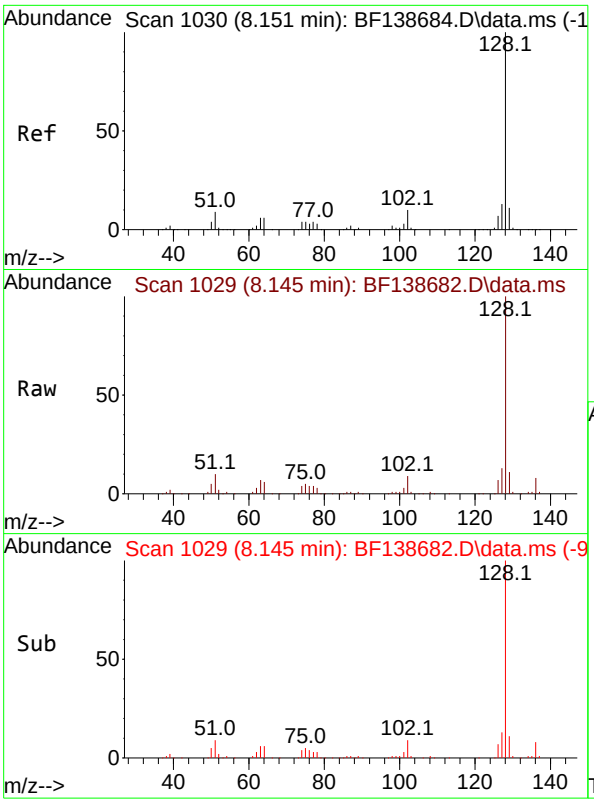


#30
1,2,4-Trichlorobenzene
Concen: 10.199 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

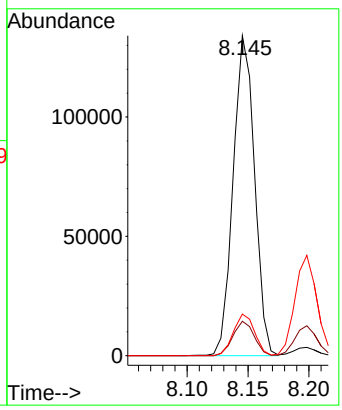




#31
Naphthalene
Concen: 10.469 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:128 Resp: 16416

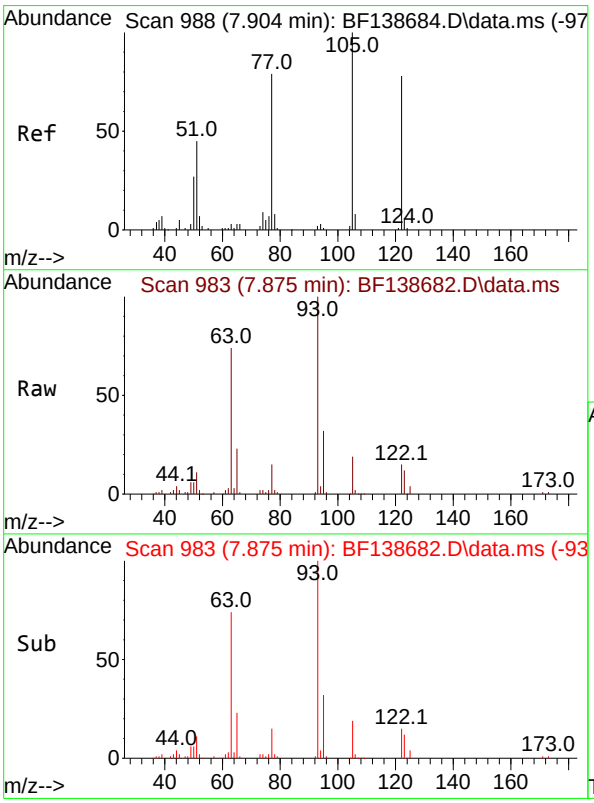
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.0	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

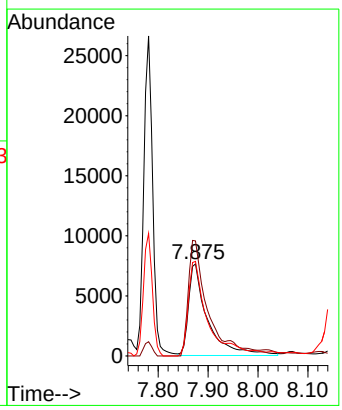
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

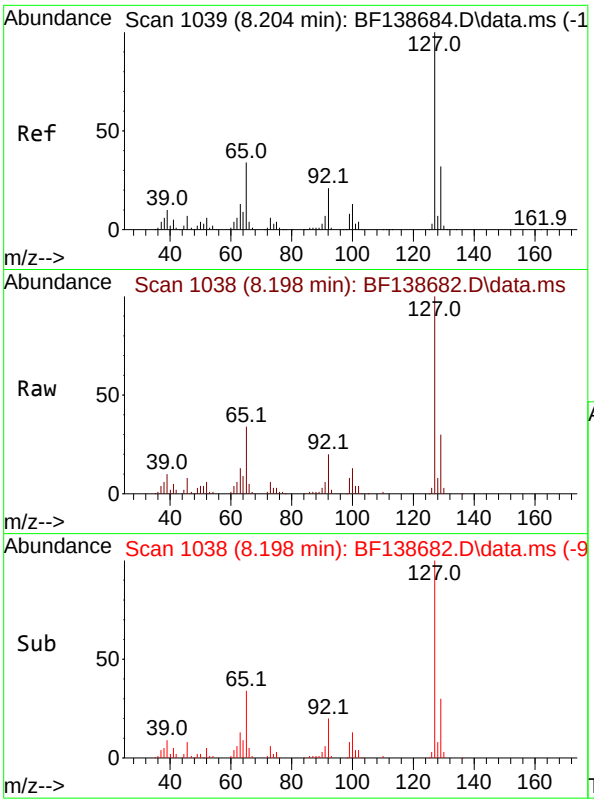


#32
Benzoic acid
Concen: 8.102 ng m
RT: 7.875 min Scan# 983
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

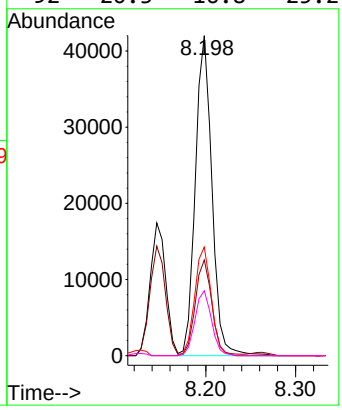




#33
4-Chloroaniline
Concen: 10.260 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:127 Resp: 5400

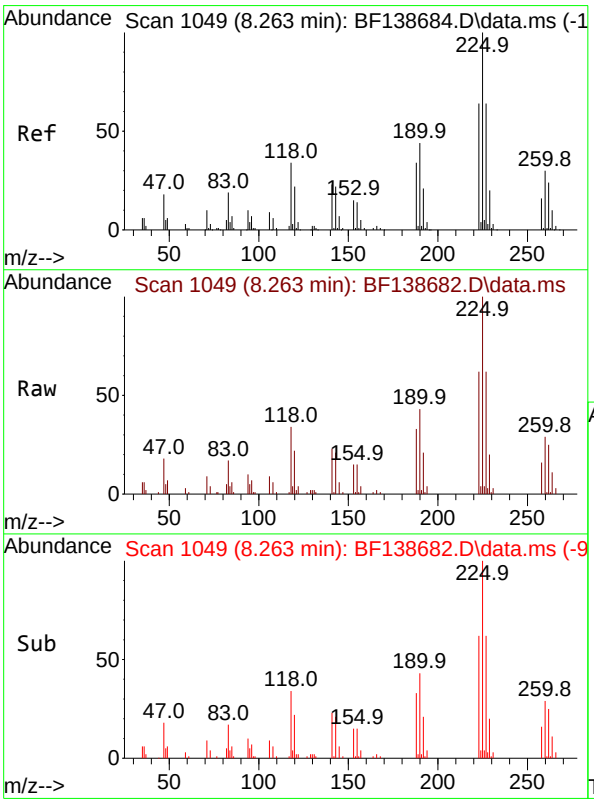
Ion	Ratio	Lower	Upper
127	100		
129	29.9	25.9	38.9
65	33.9	27.6	41.4
92	20.3	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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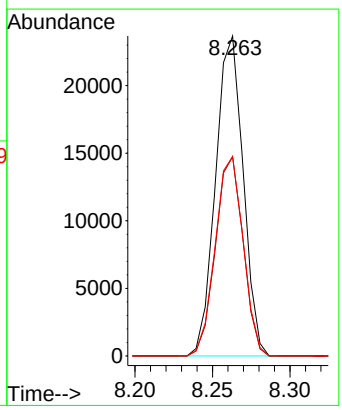
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

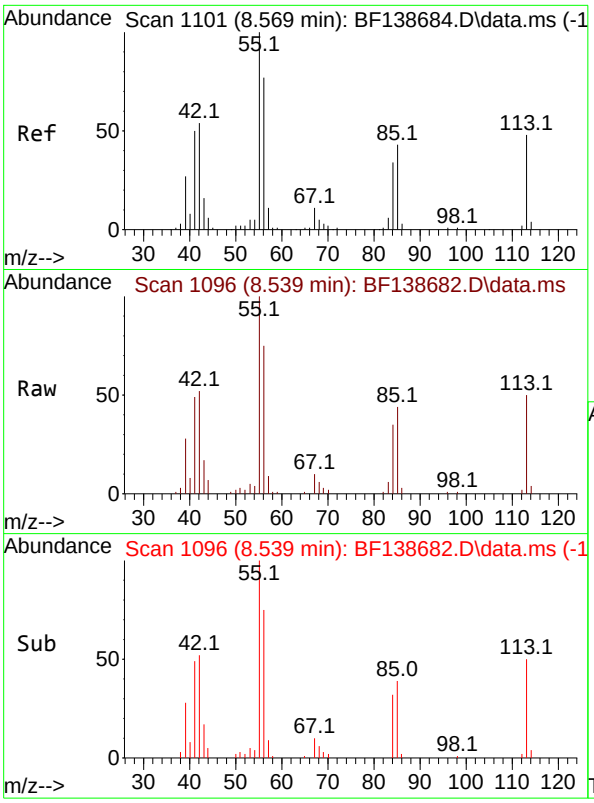


#34
Hexachlorobutadiene
Concen: 10.224 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

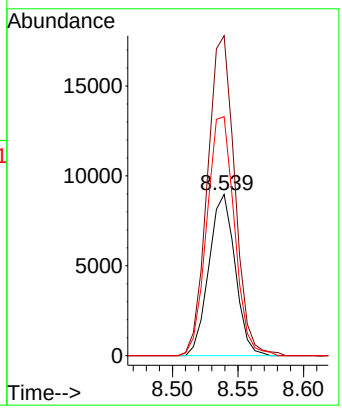




#35
Caprolactam
Concen: 10.193 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:113 Resp: 1247

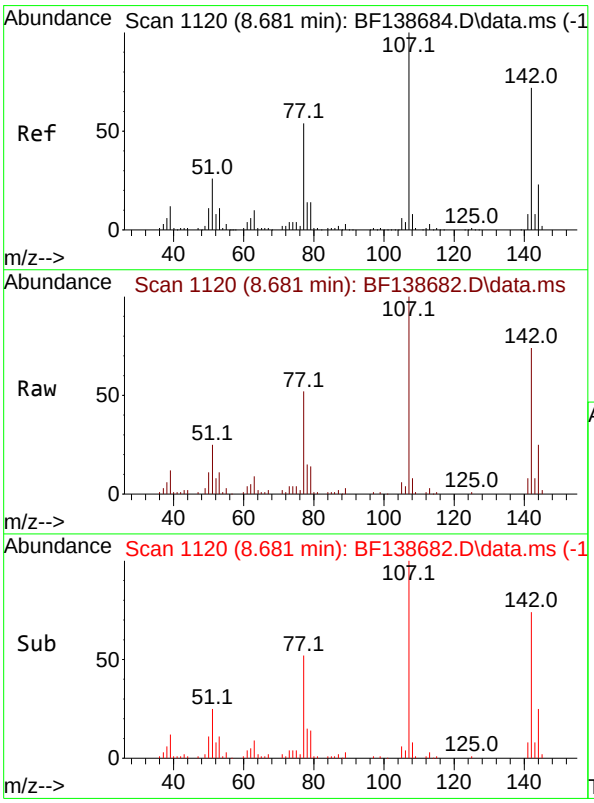
Ion	Ratio	Lower	Upper
113	100		
55	198.5	186.7	226.7
56	148.2	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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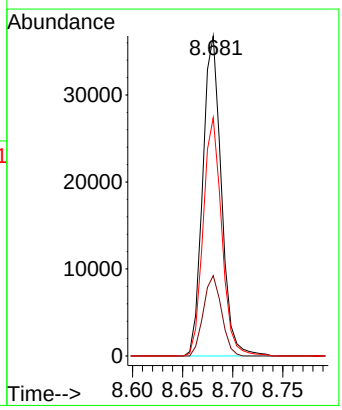
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

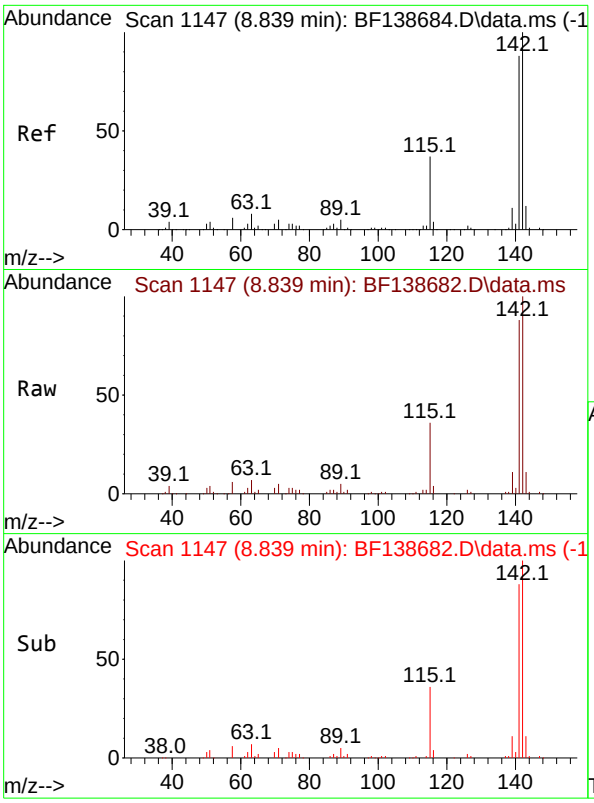


#36
4-Chloro-3-methylphenol
Concen: 10.152 ng
RT: 8.681 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

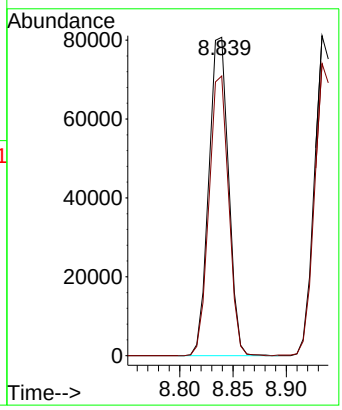
Tgt Ion:142 Resp: 10409

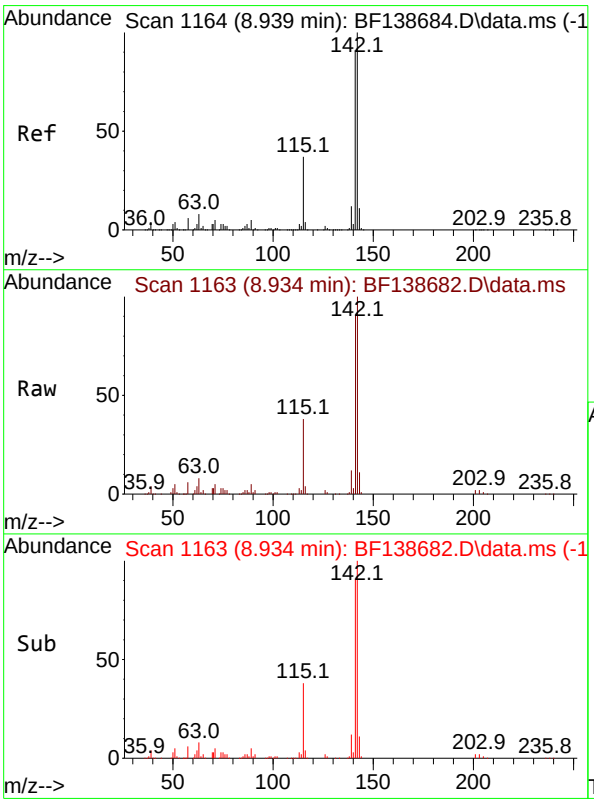
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

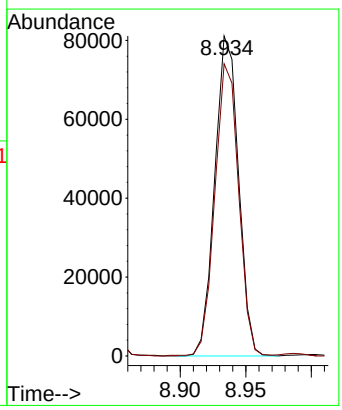


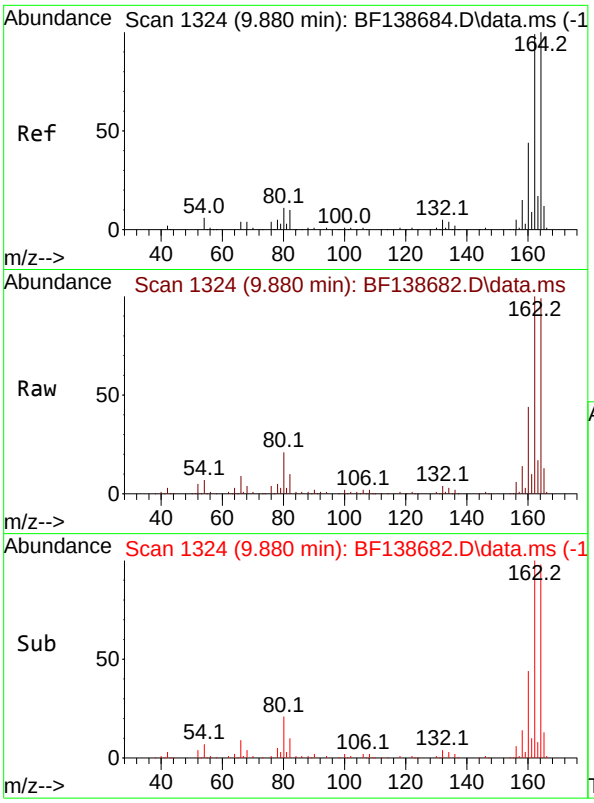


#38
1-Methylnaphthalene
Concen: 10.521 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:142 Resp: 102100

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7

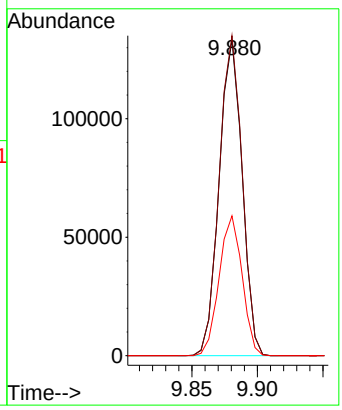




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:164 Resp: 16224

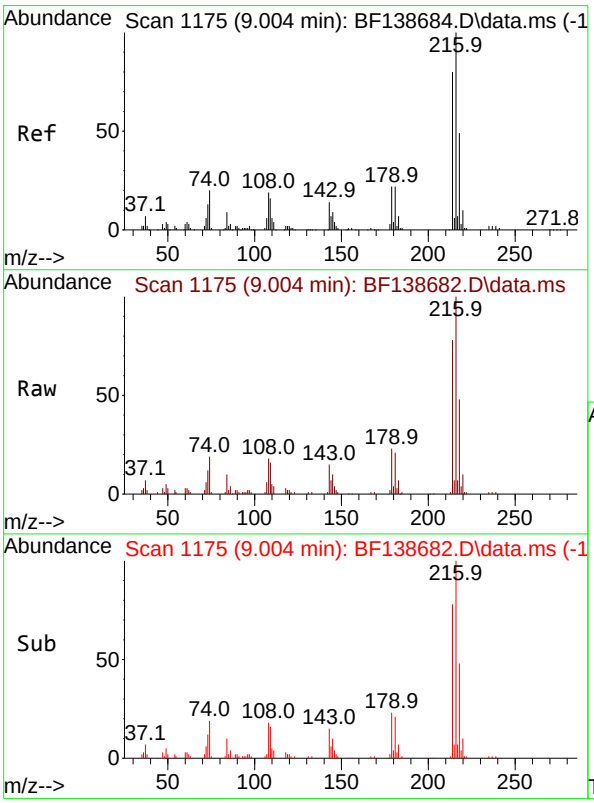
Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.4	119.0
160	44.3	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

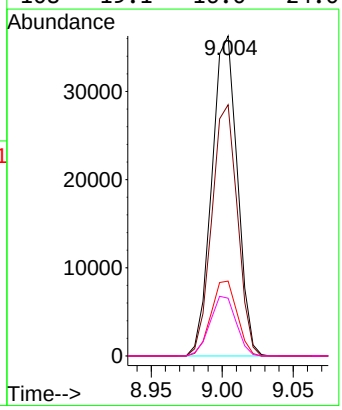
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

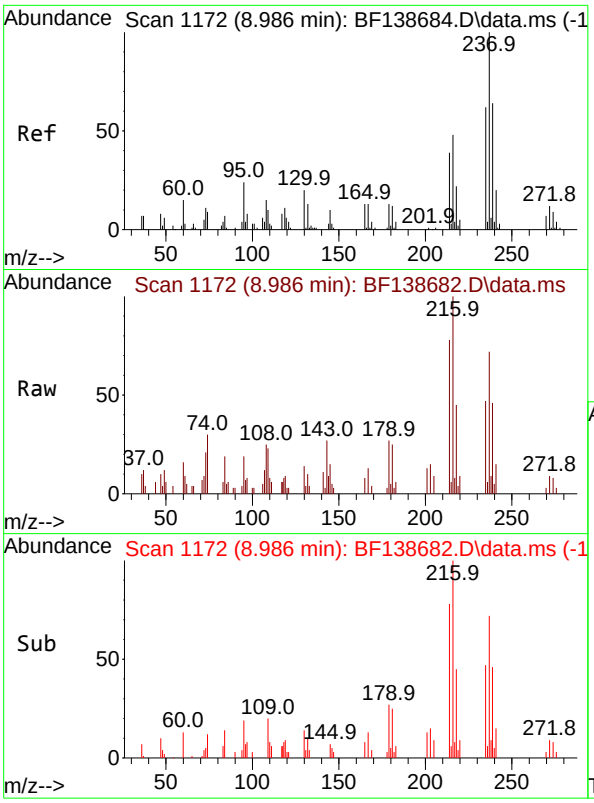


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.082 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

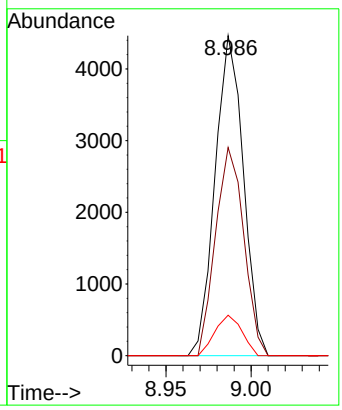
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

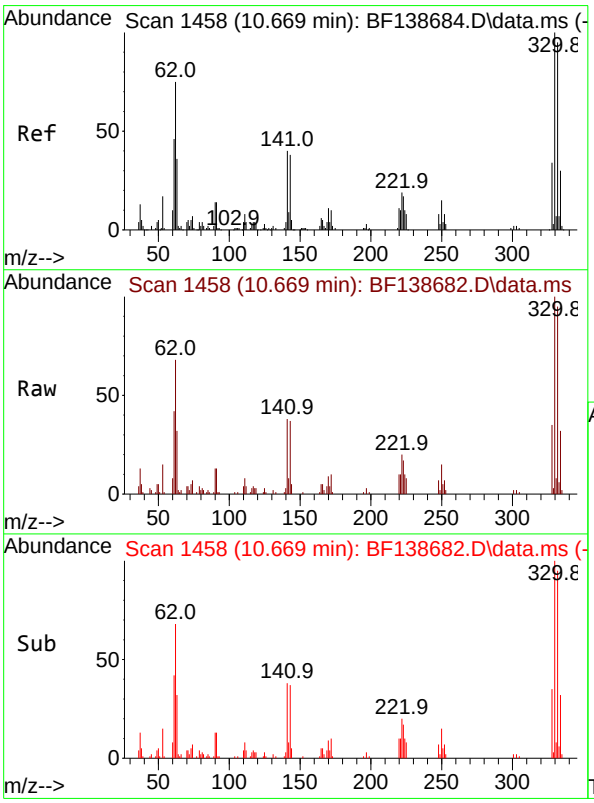
Tgt Ion:237 Resp: 516

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

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

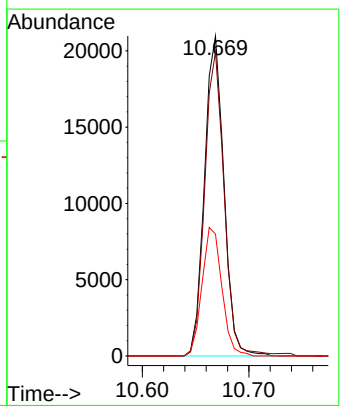


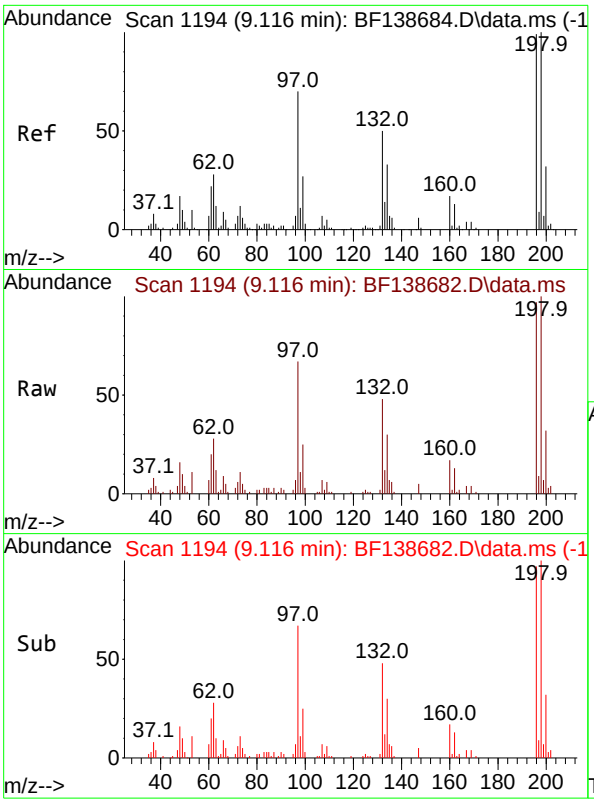


#42
2,4,6-Tribromophenol
Concen: 20.011 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

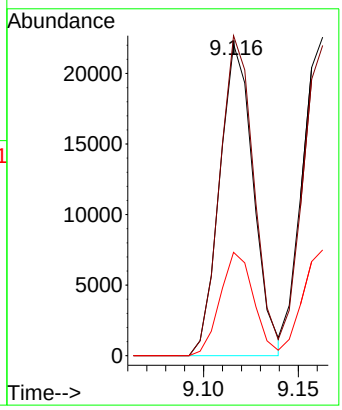




#43
2,4,6-Trichlorophenol
Concen: 9.985 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:196 Resp: 2743

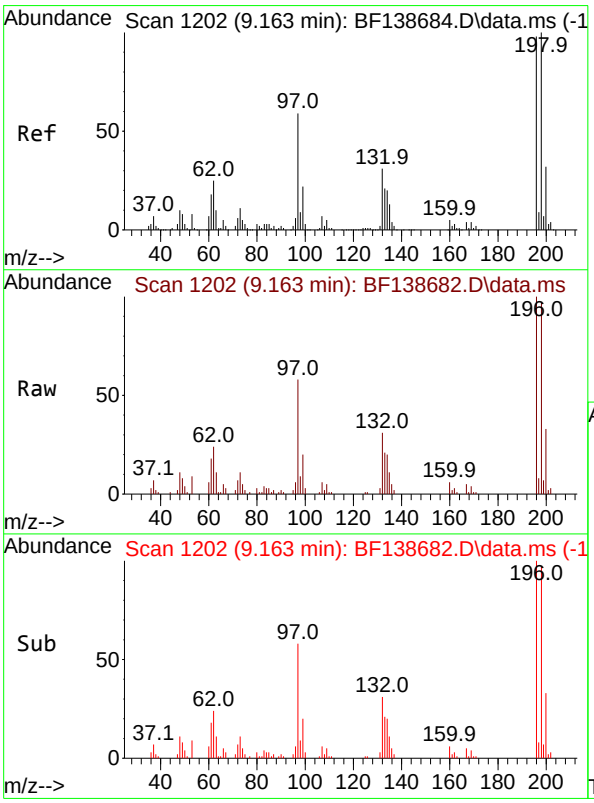
Ion	Ratio	Lower	Upper
196	100		
198	102.7	80.5	120.7
200	33.2	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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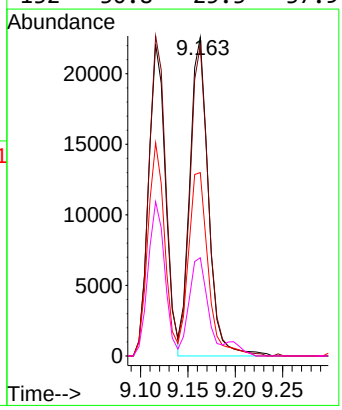
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

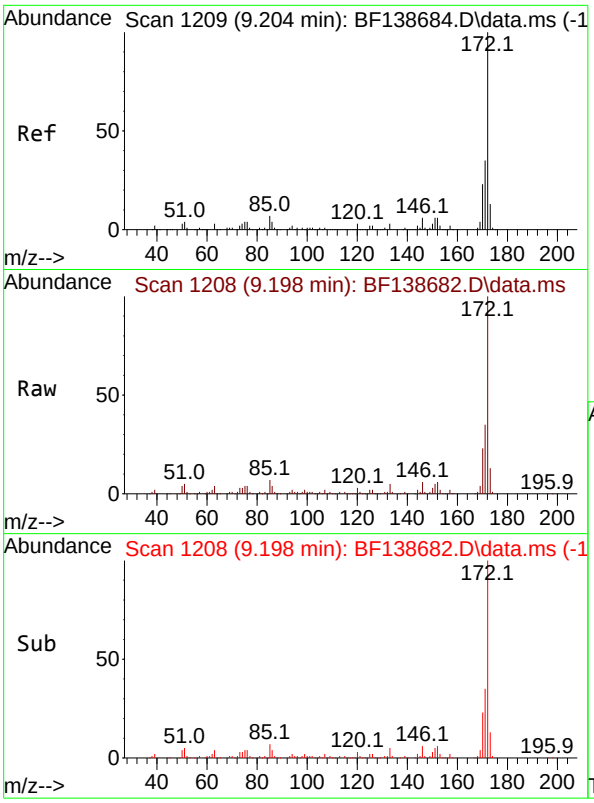


#44
2,4,5-Trichlorophenol
Concen: 10.247 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

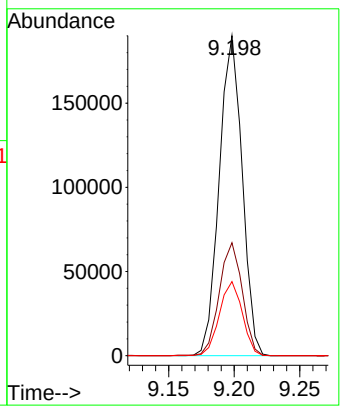




#45
2-Fluorobiphenyl
Concen: 21.392 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:172 Resp: 23100

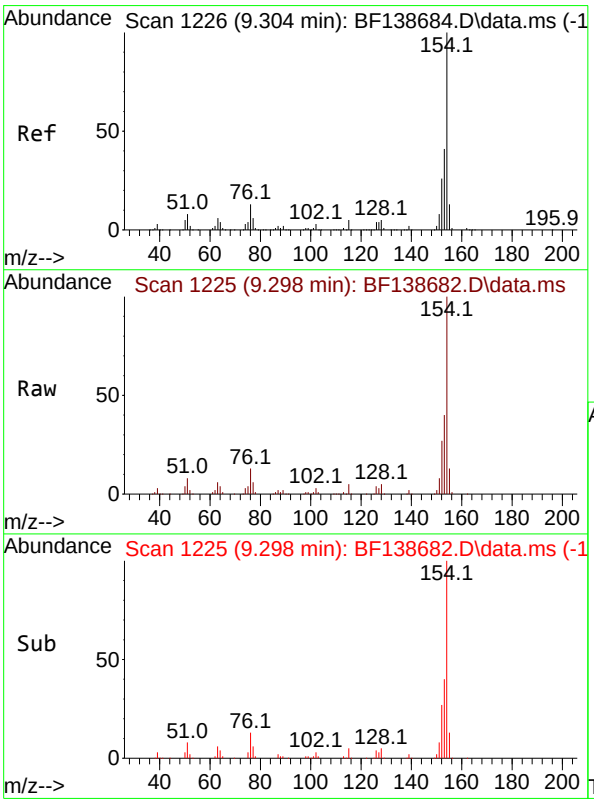
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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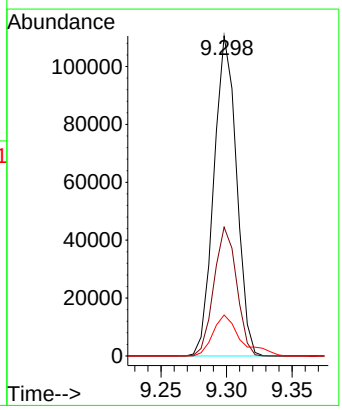
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

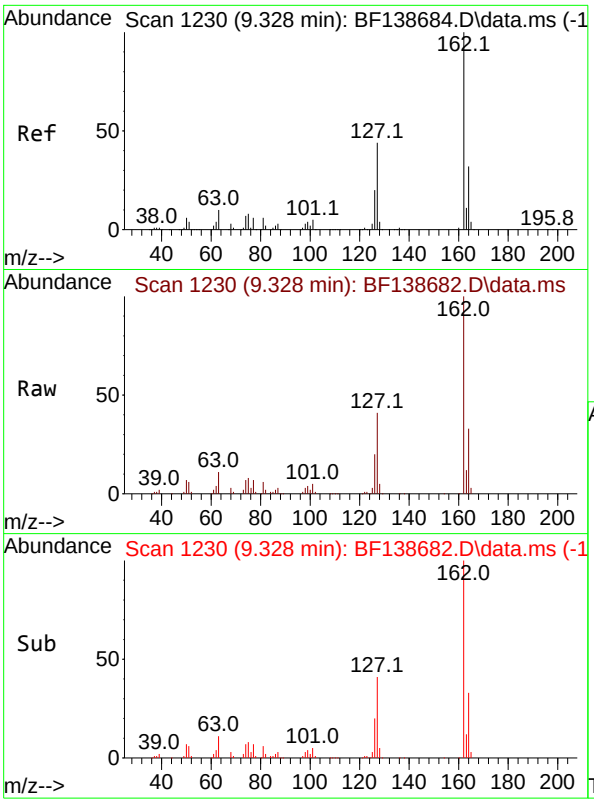


#46
1,1'-Biphenyl
Concen: 10.441 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

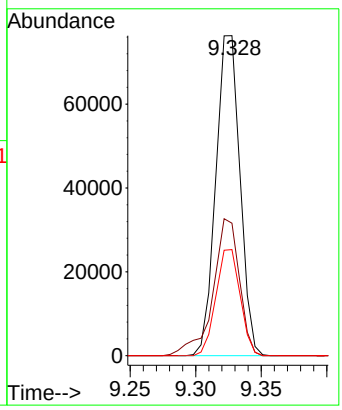




#47
2-Chloronaphthalene
Concen: 10.354 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:162 Resp: 9785

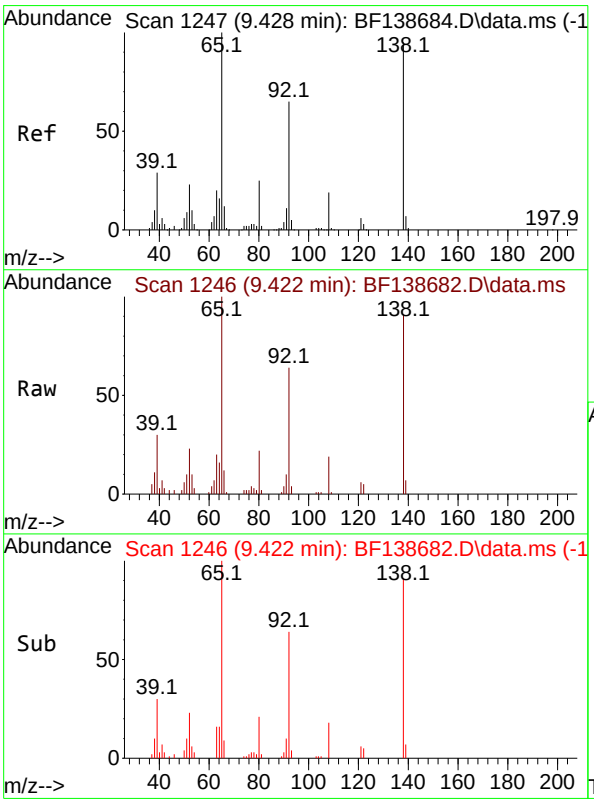
Ion	Ratio	Lower	Upper
162	100		
127	41.4	35.4	53.2
164	33.1	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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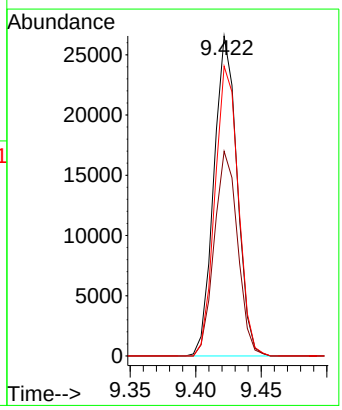
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

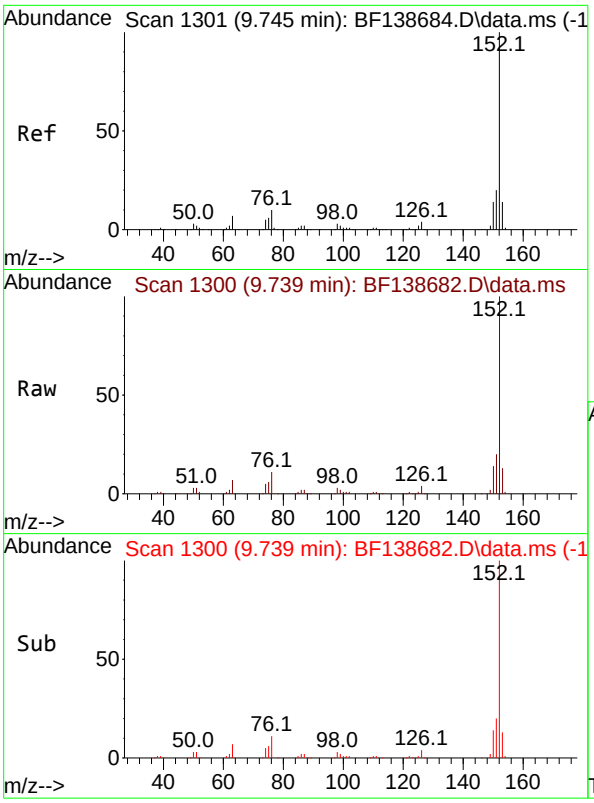


#48
2-Nitroaniline
Concen: 10.216 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

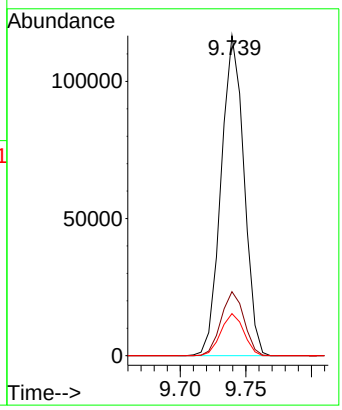
Tgt Ion:152 Resp: 14143

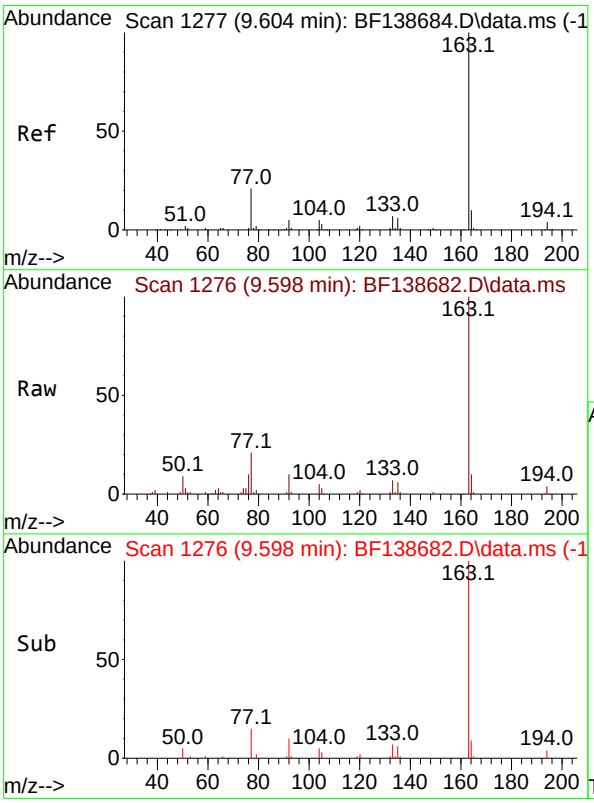
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

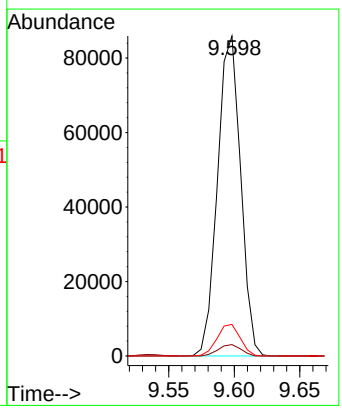


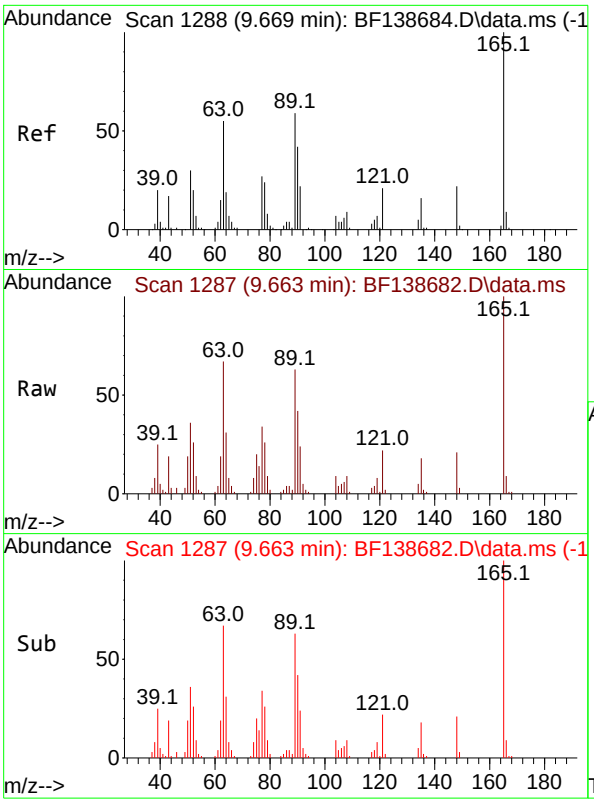


#50
Dimethylphthalate
Concen: 10.139 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

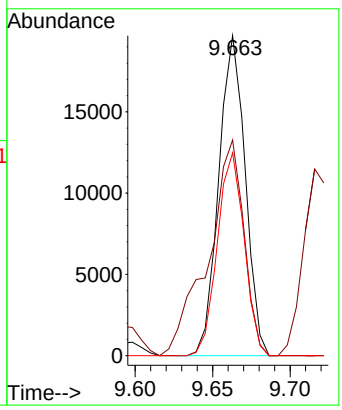
Tgt Ion:165 Resp: 2335

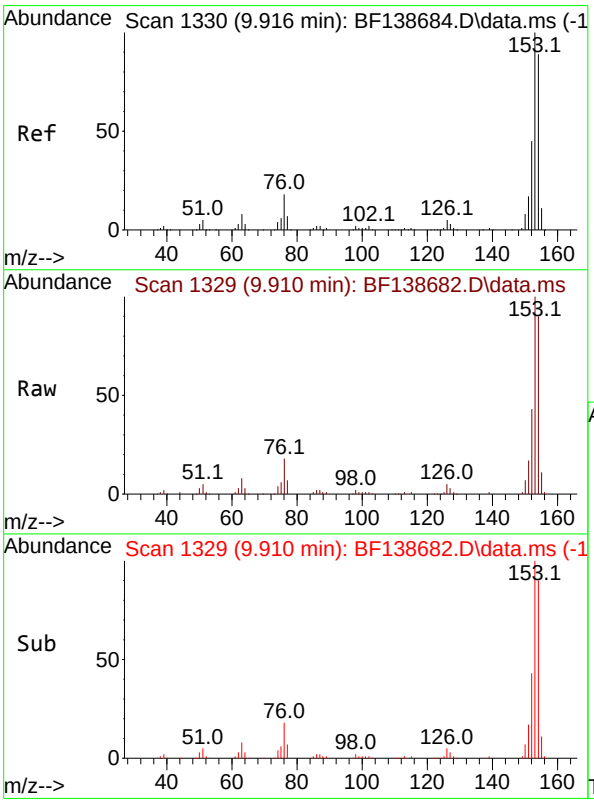
Ion	Ratio	Lower	Upper
165	100		
63	67.4	52.0	78.0
89	63.4	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

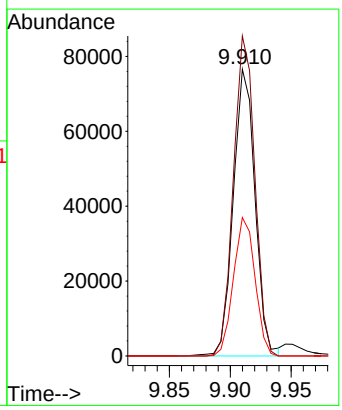


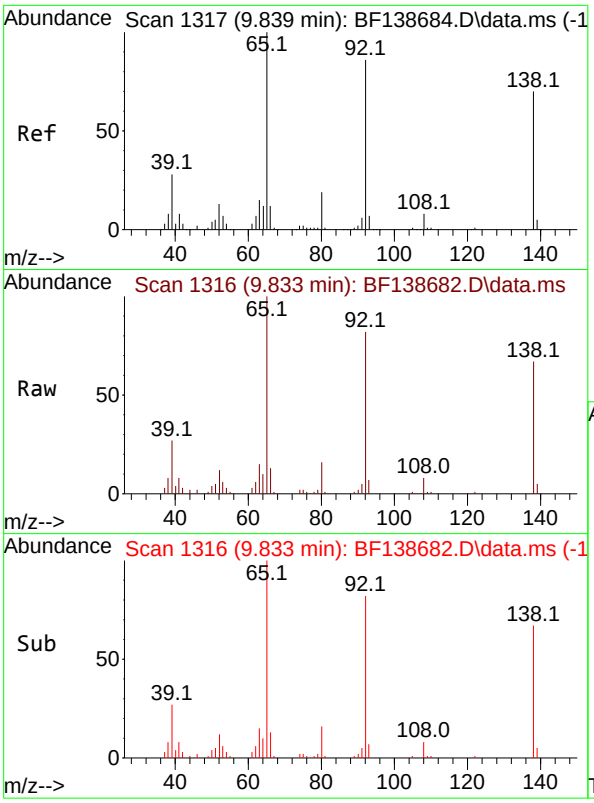


#52
Acenaphthene
Concen: 10.560 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

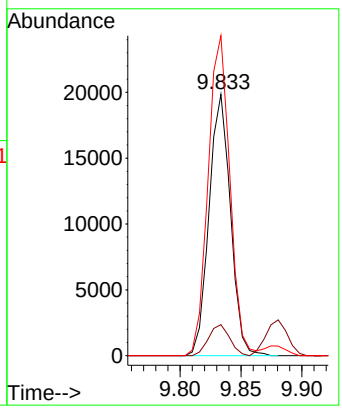
Tgt Ion:138 Resp: 2435

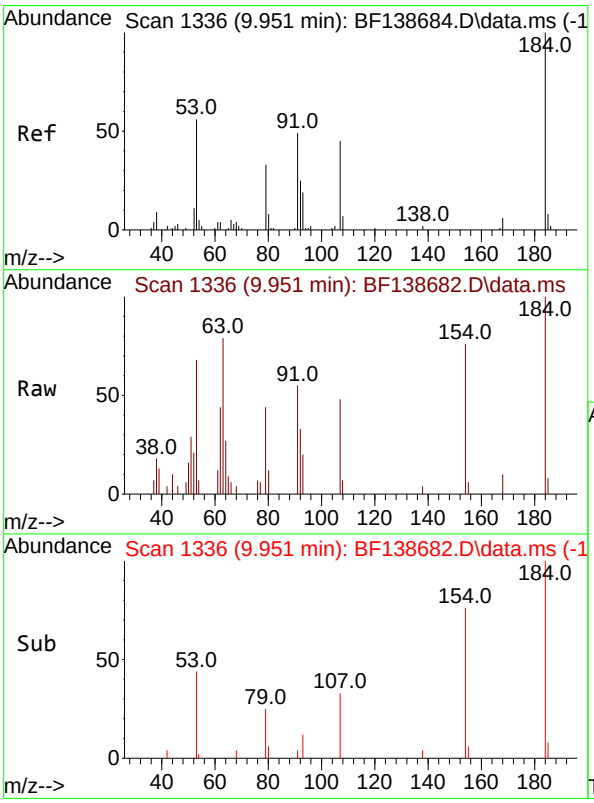
Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	122.5	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

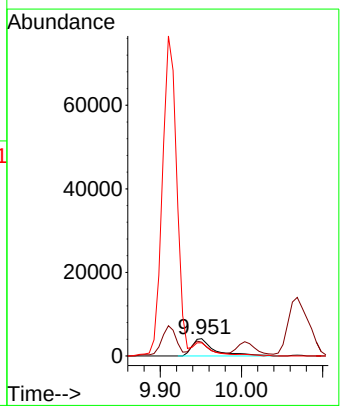


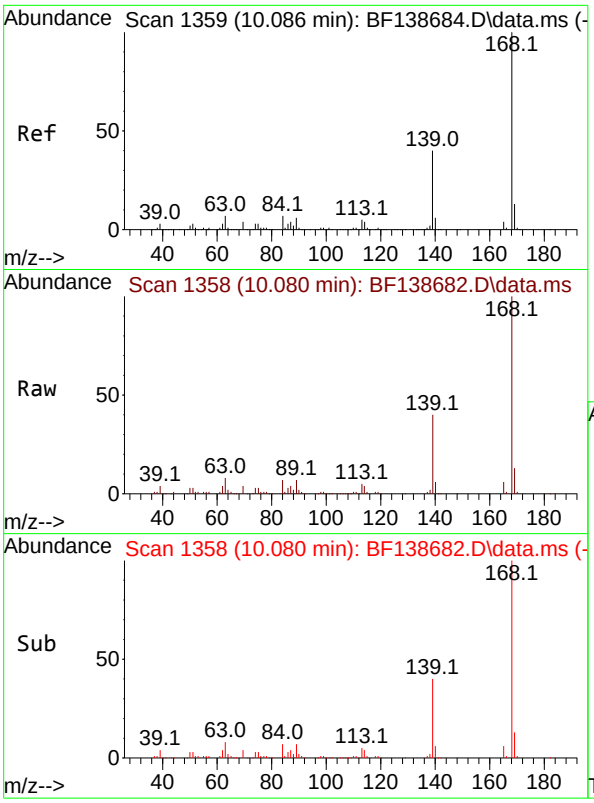


#54
2,4-Dinitrophenol
Concen: 7.337 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

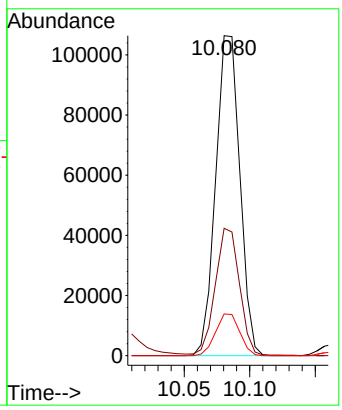




#55
Dibenzofuran
Concen: 10.717 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:168 Resp: 13630

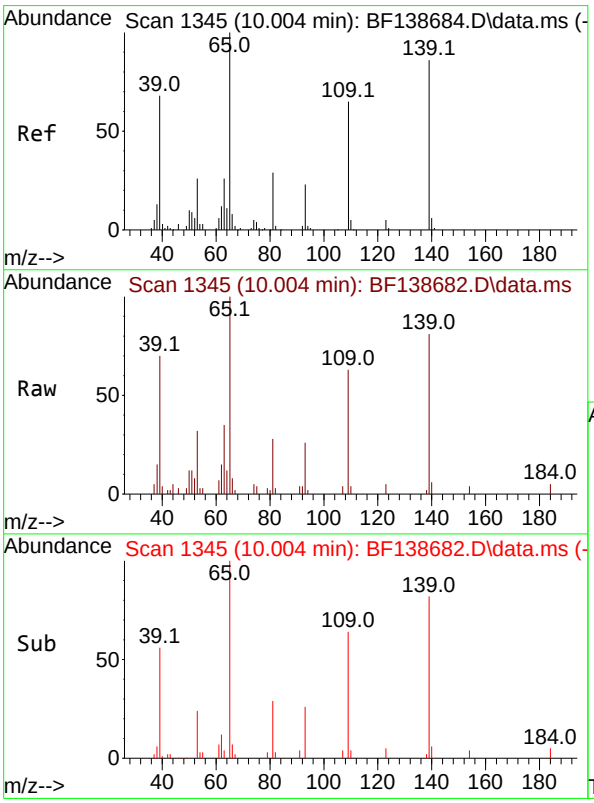
Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.6	49.0
169	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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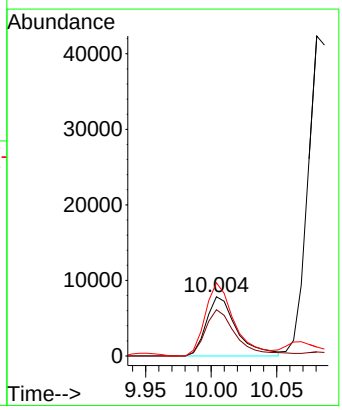
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

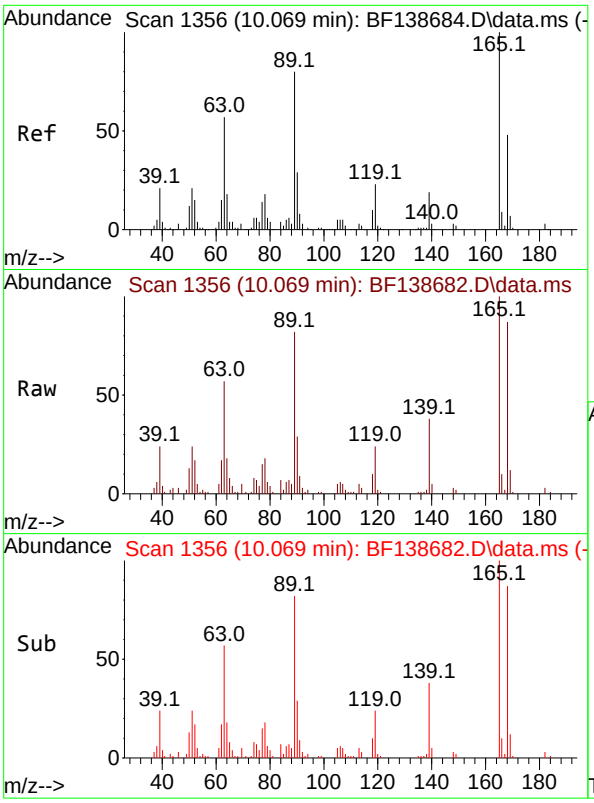


#56
4-Nitrophenol
Concen: 8.687 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

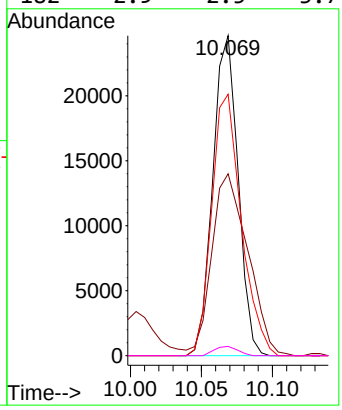




#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:165 Resp: 3046

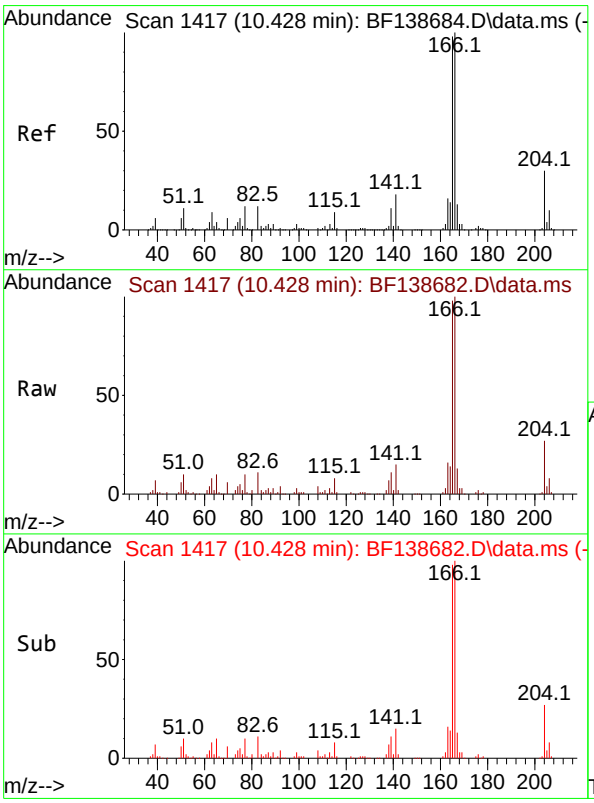
Ion	Ratio	Lower	Upper
165	100		
63	56.8	46.3	69.5
89	81.7	64.2	96.4
182	2.9	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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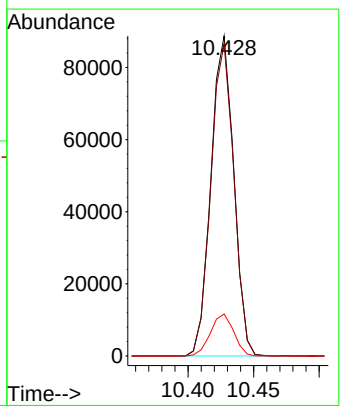
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

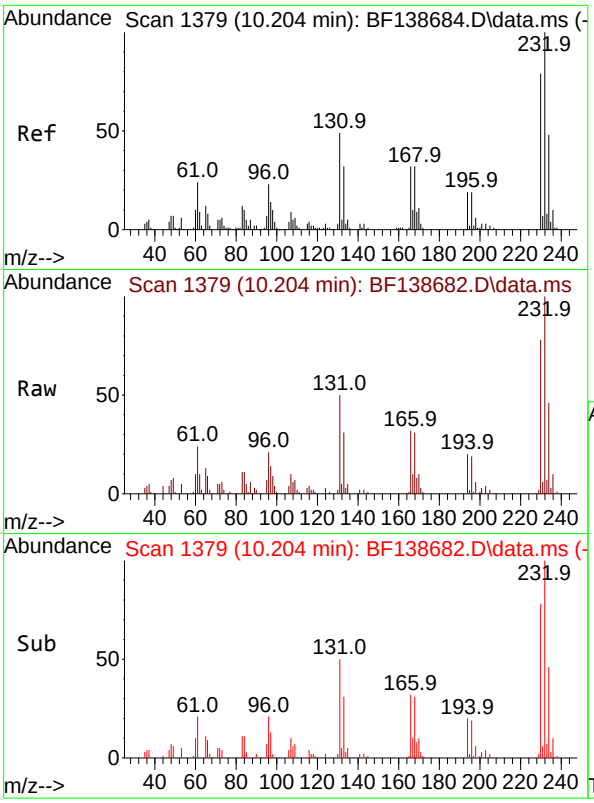


#58
Fluorene
Concen: 10.622 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

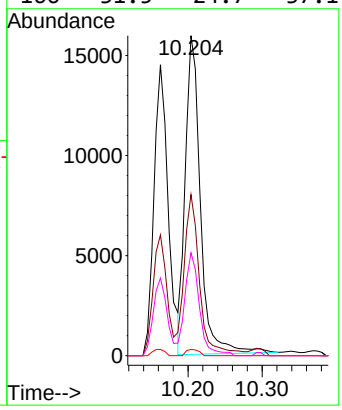




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.872 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:232 Resp: 2267

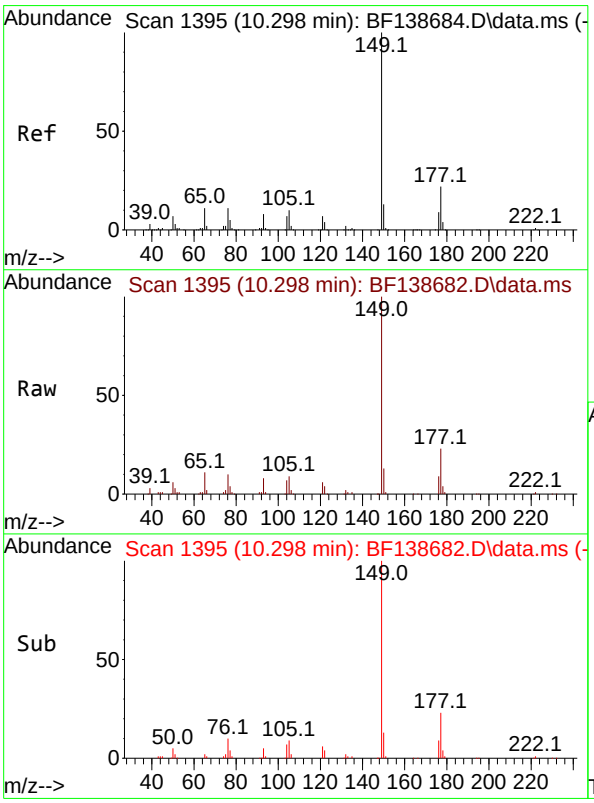
Ion	Ratio	Lower	Upper
232	100		
131	52.2	37.0	55.4
130	1.6	2.0	3.0#
166	31.5	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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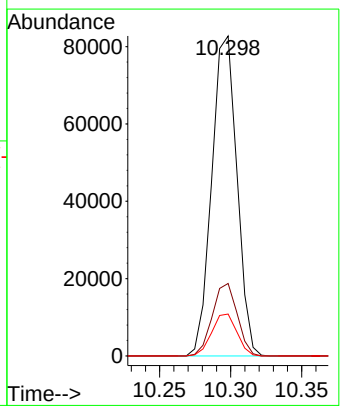
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

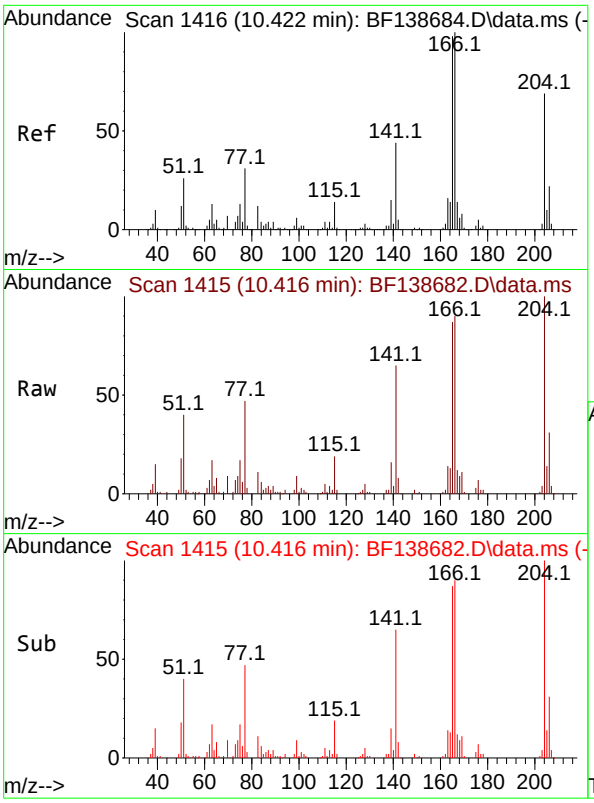


#60
Diethylphthalate
Concen: 10.381 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

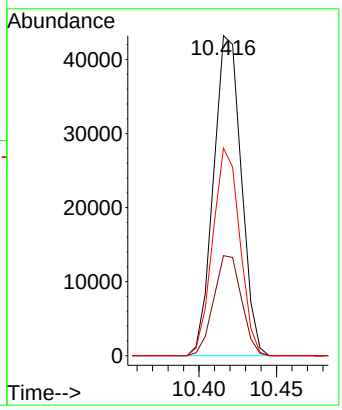
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

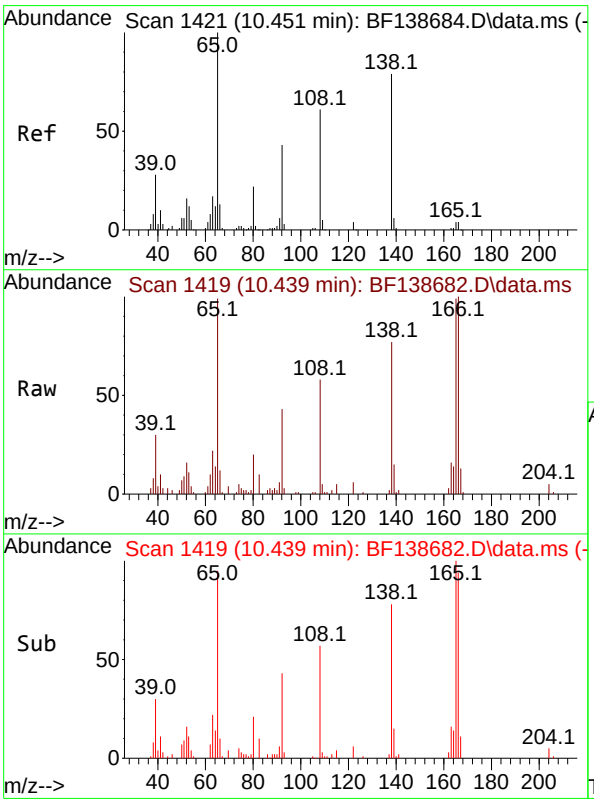
Tgt Ion:204 Resp: 5387

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

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

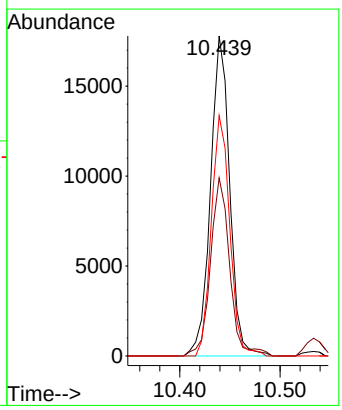


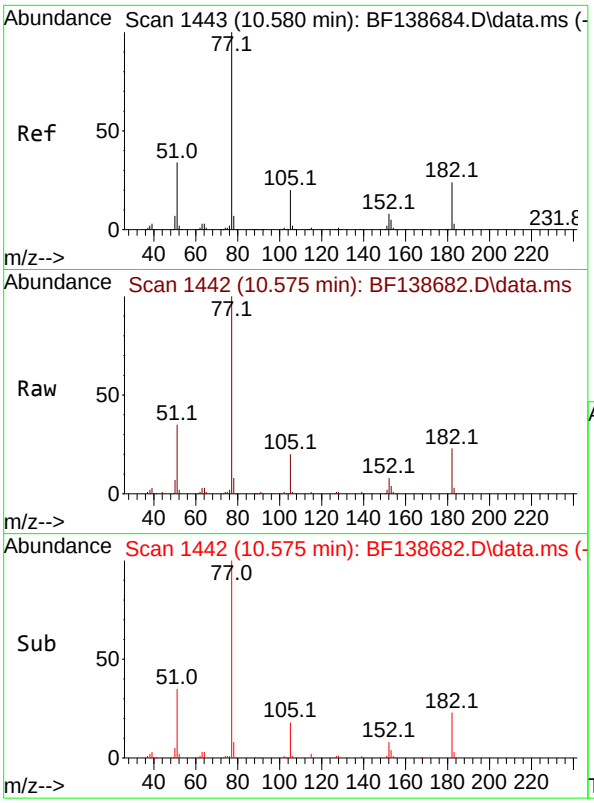


#62
4-Nitroaniline
Concen: 10.284 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

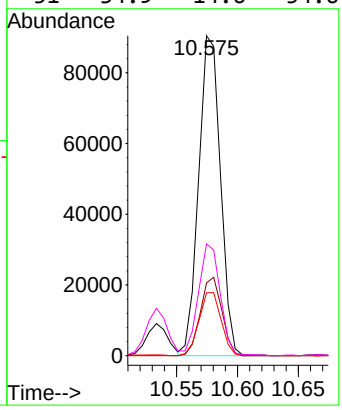




#63
Azobenzene
Concen: 10.347 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion: 77 Resp: 11288

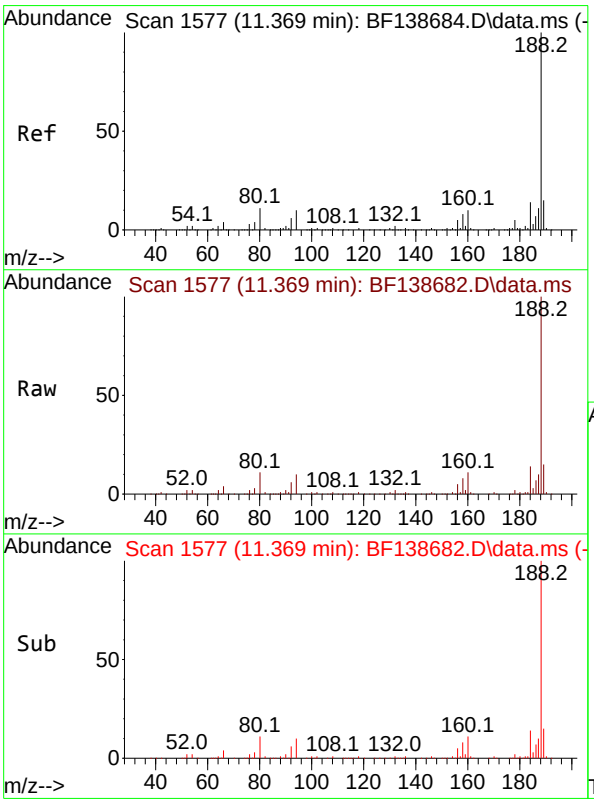
Ion	Ratio	Lower	Upper
77	100		
182	22.7	3.4	43.4
105	19.7	0.2	40.2
51	34.9	14.6	54.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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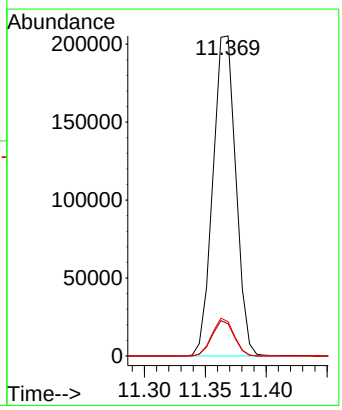
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

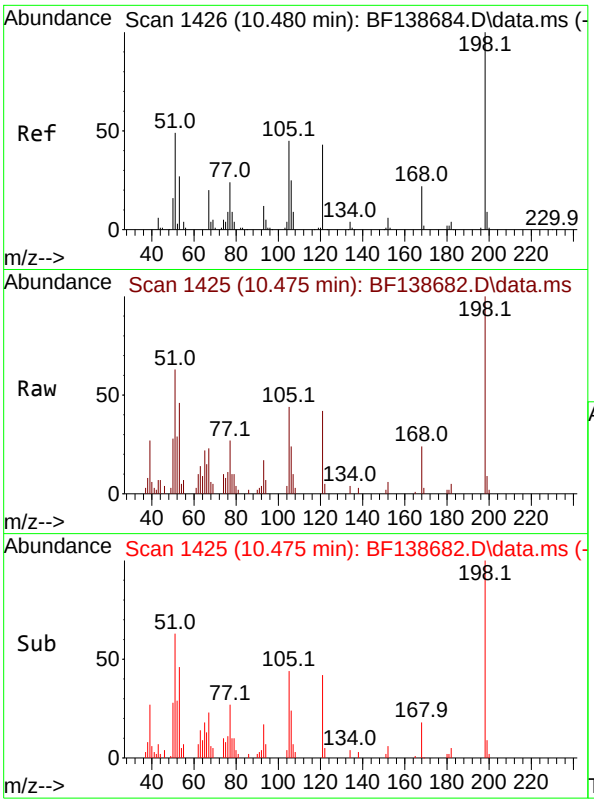


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

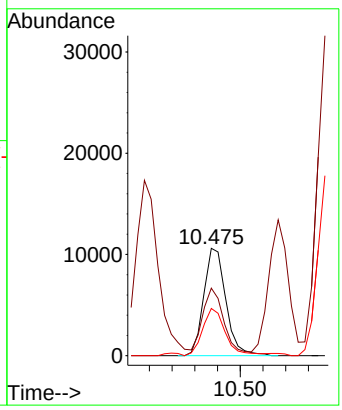
Tgt Ion:198 Resp: 1434

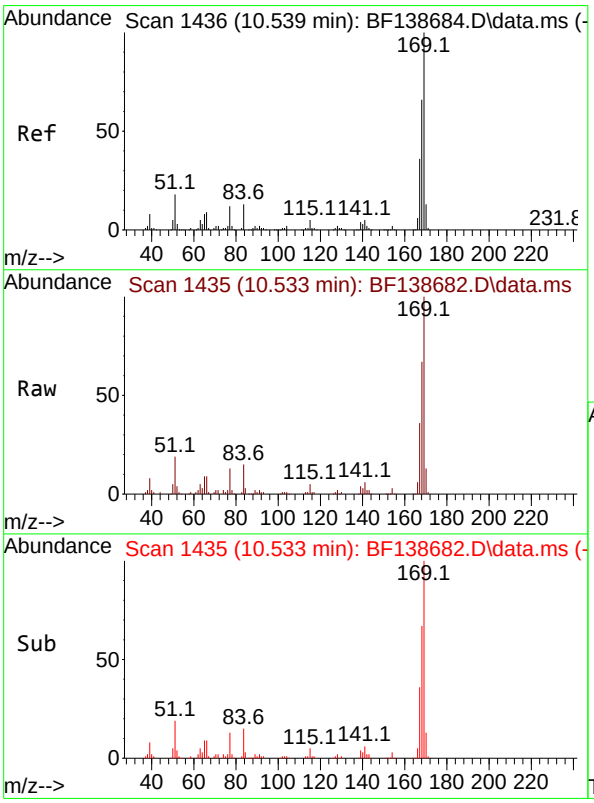
Ion	Ratio	Lower	Upper
198	100		
51	62.9	39.9	79.9
105	43.9	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

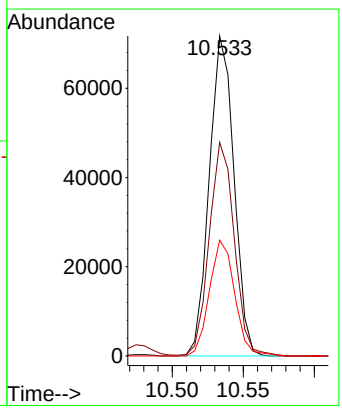


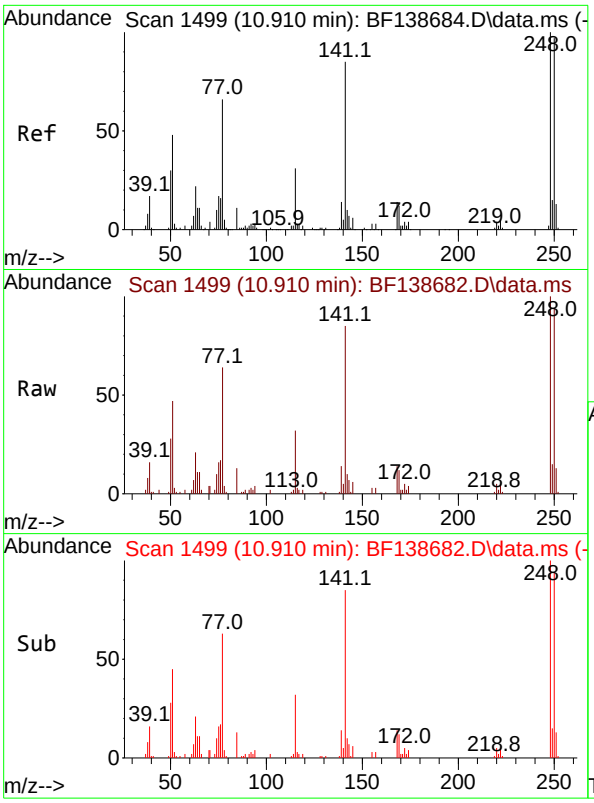


#66
n-Nitrosodiphenylamine
Concen: 10.316 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

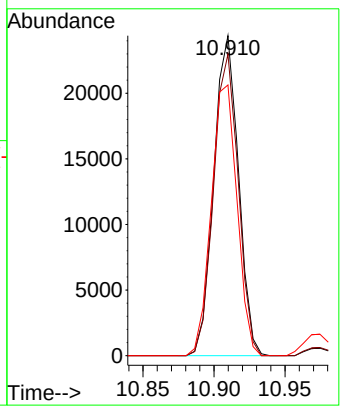
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

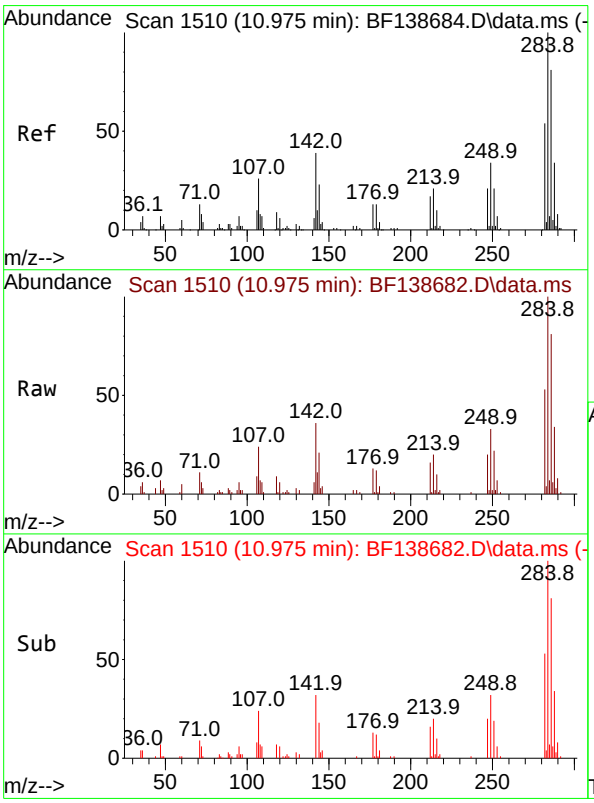
Tgt Ion:248 Resp: 2951

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

Manual Integrations
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Supervised By :mohammad ahmed 07/31/2024

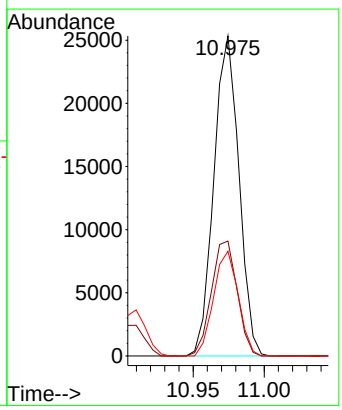


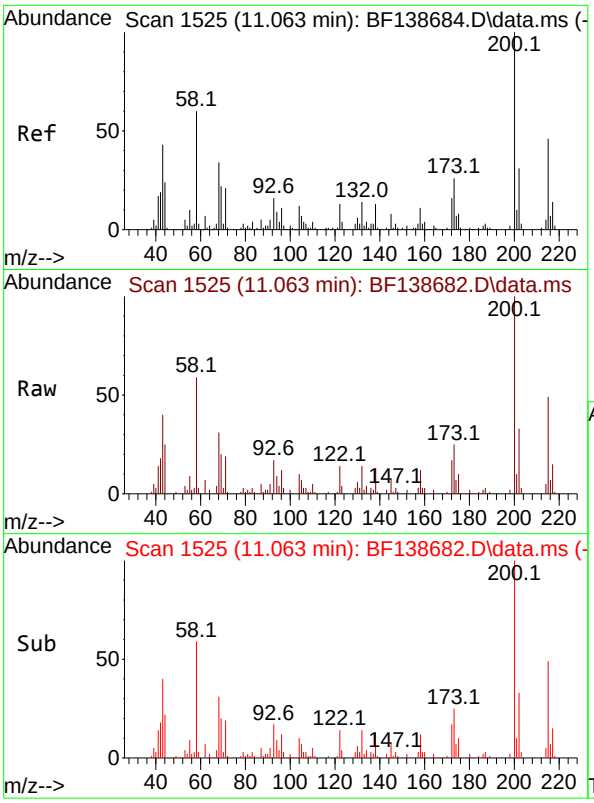


#68
Hexachlorobenzene
Concen: 10.317 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

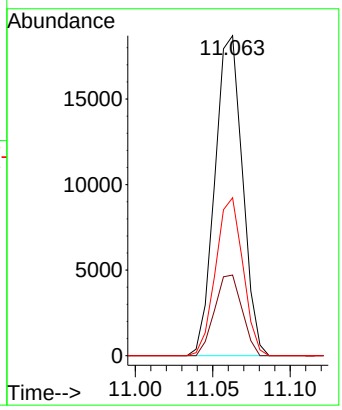




#69
Atrazine
Concen: 10.680 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:200 Resp: 2318

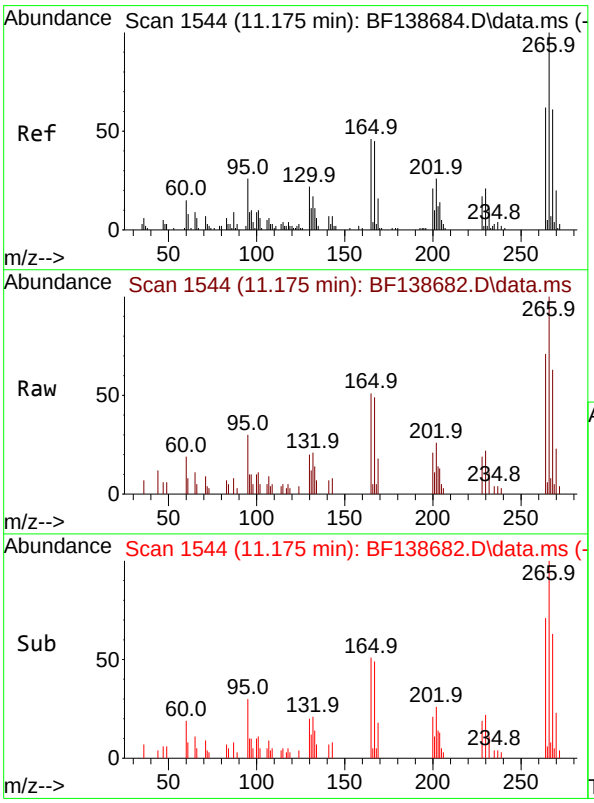
Ion	Ratio	Lower	Upper
200	100		
173	25.2	6.0	46.0
215	49.3	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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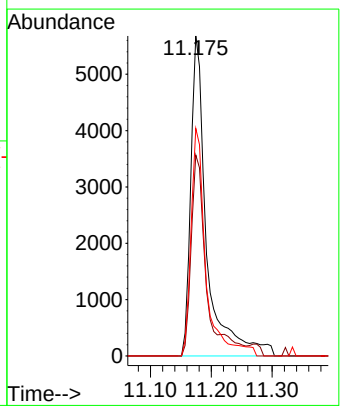
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

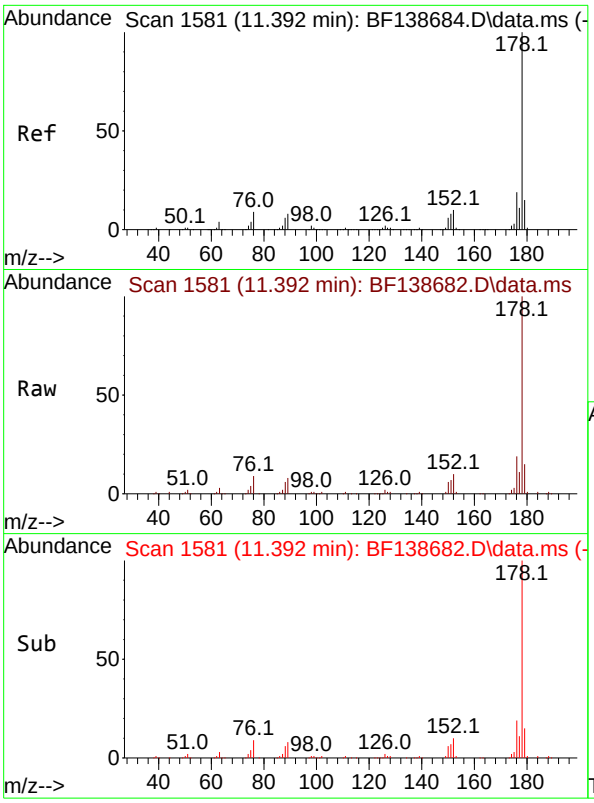


#70
Pentachlorophenol
Concen: 7.661 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

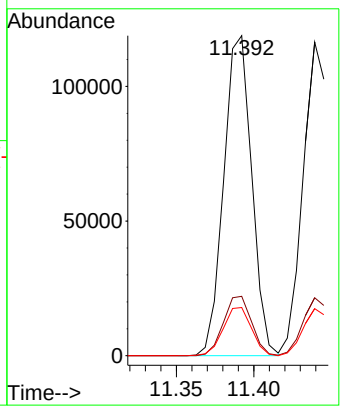




#71
Phenanthrene
Concen: 10.766 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:178 Resp: 14925

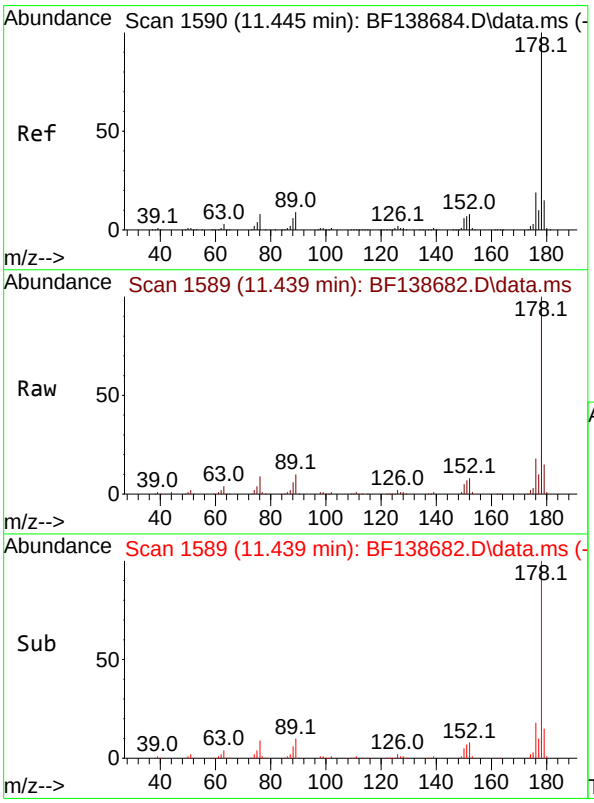
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

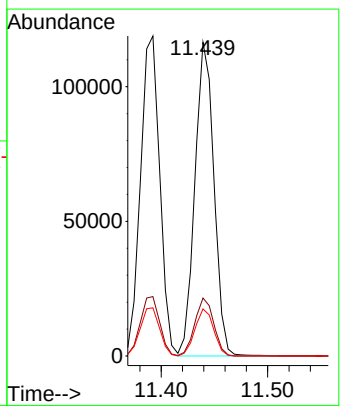
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

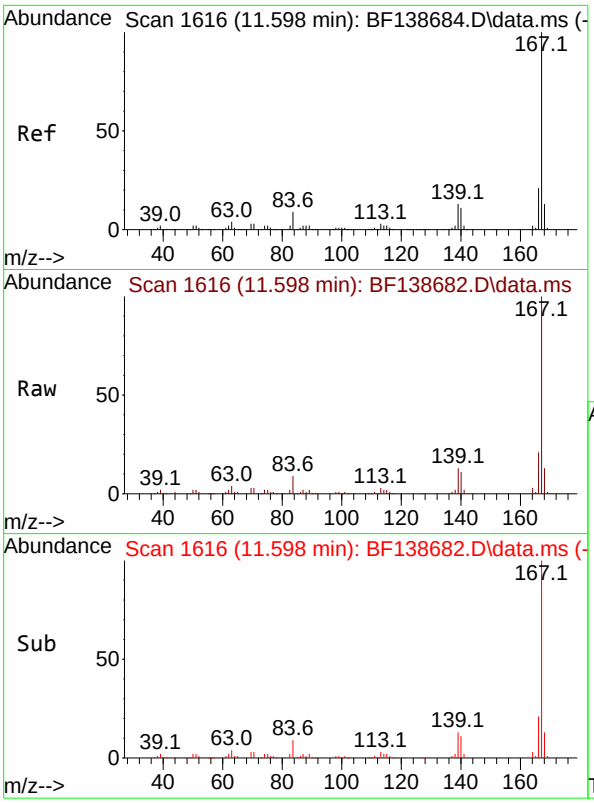


#72
Anthracene
Concen: 10.620 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

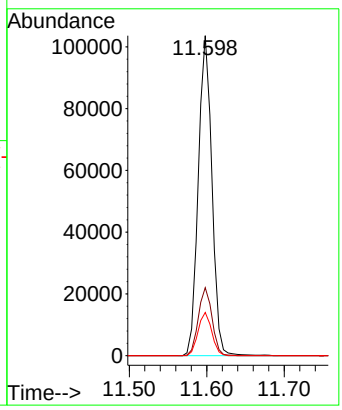




#73
Carbazole
Concen: 10.721 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:167 Resp: 12632

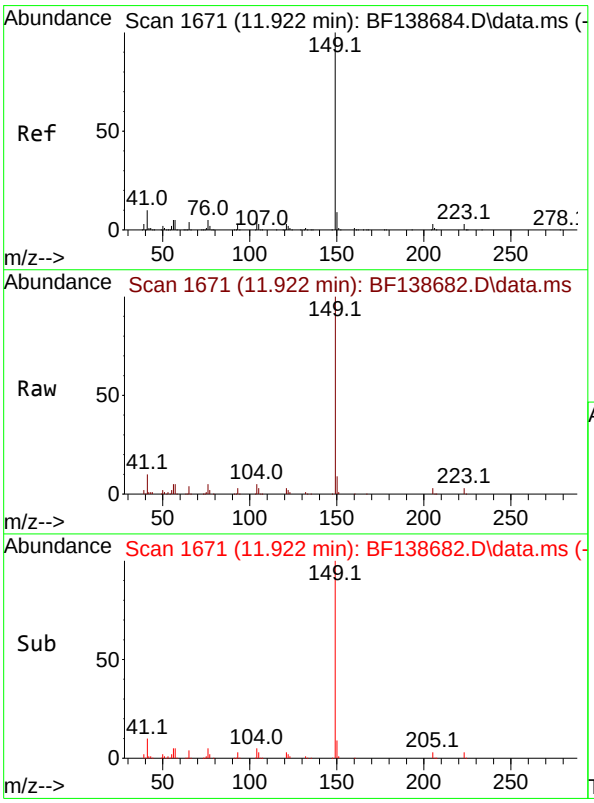
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

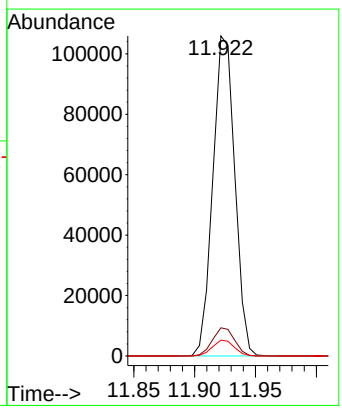
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

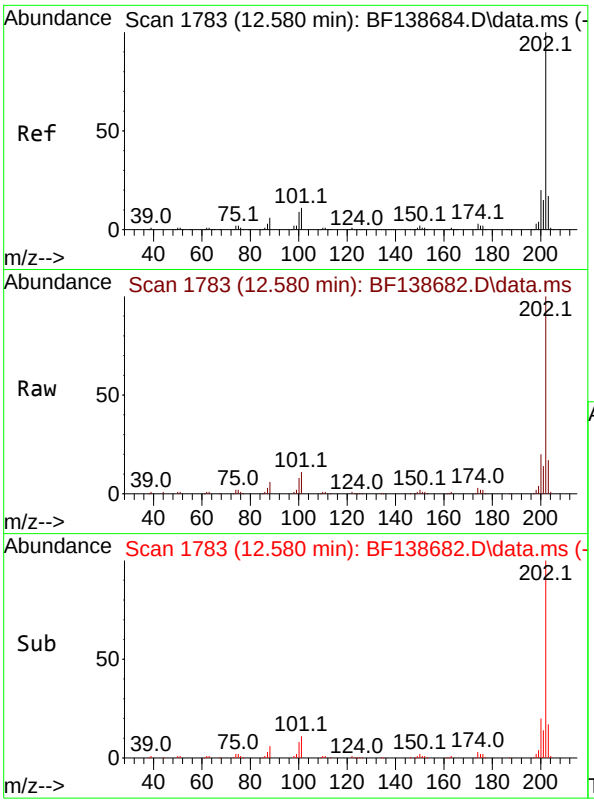


#74
Di-n-butylphthalate
Concen: 10.060 ng
RT: 11.922 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

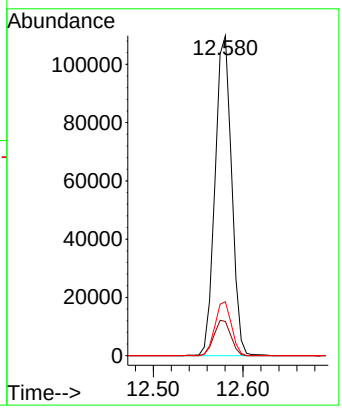




#75
Fluoranthene
Concen: 10.871 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:202 Resp: 14069

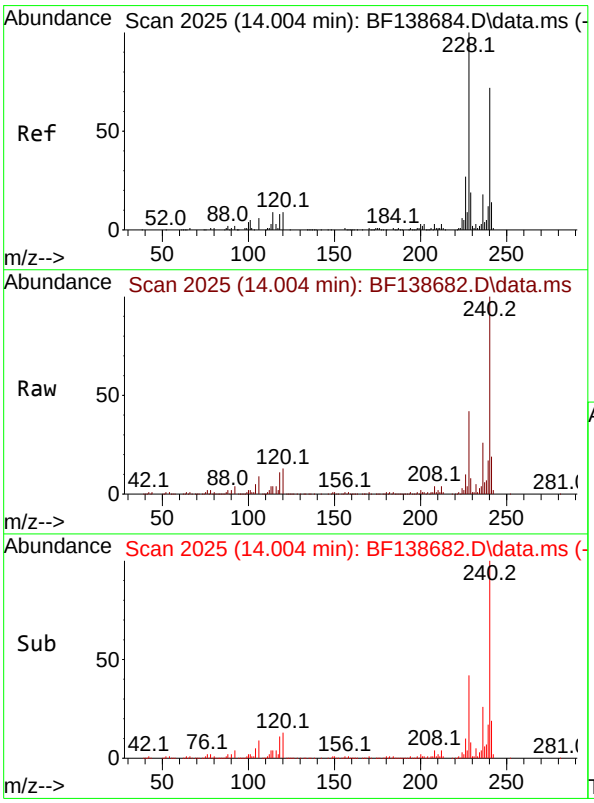
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.2
203	16.8	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

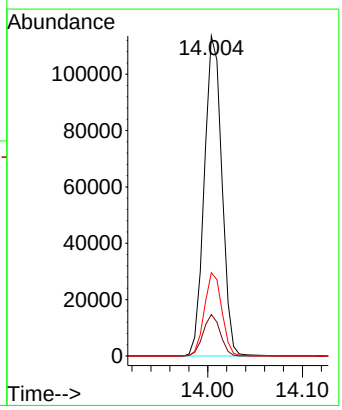
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

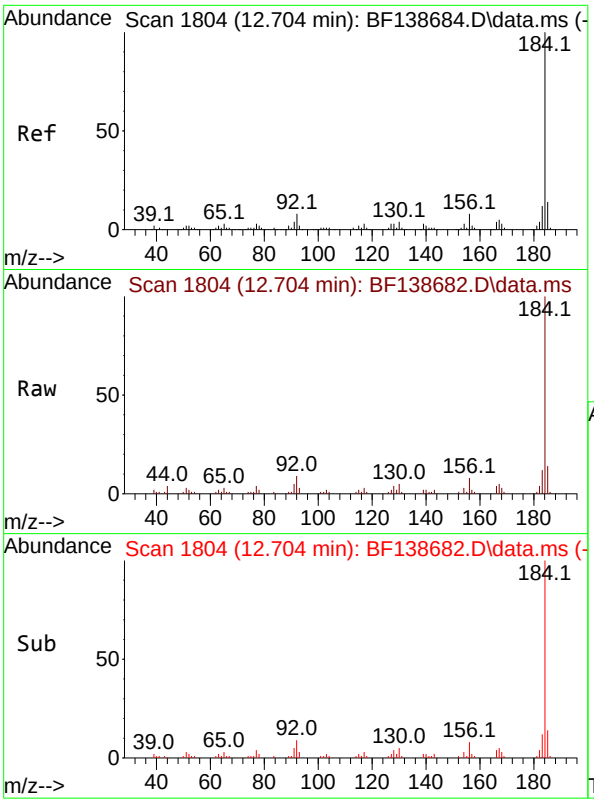


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

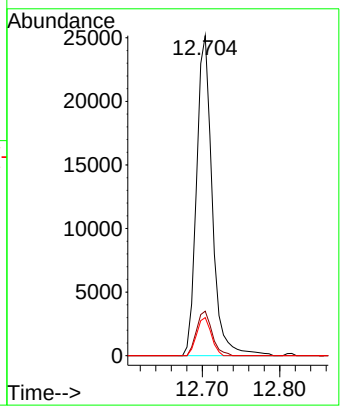




#77
Benzidine
Concen: 10.080 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:184 Resp: 3526

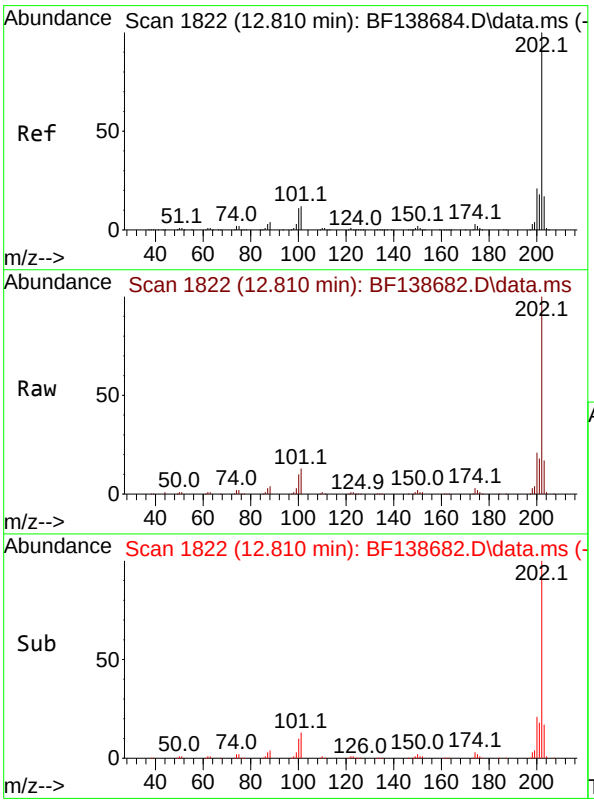
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.1	16.7
183	11.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

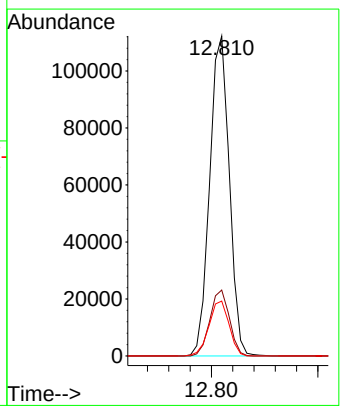
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

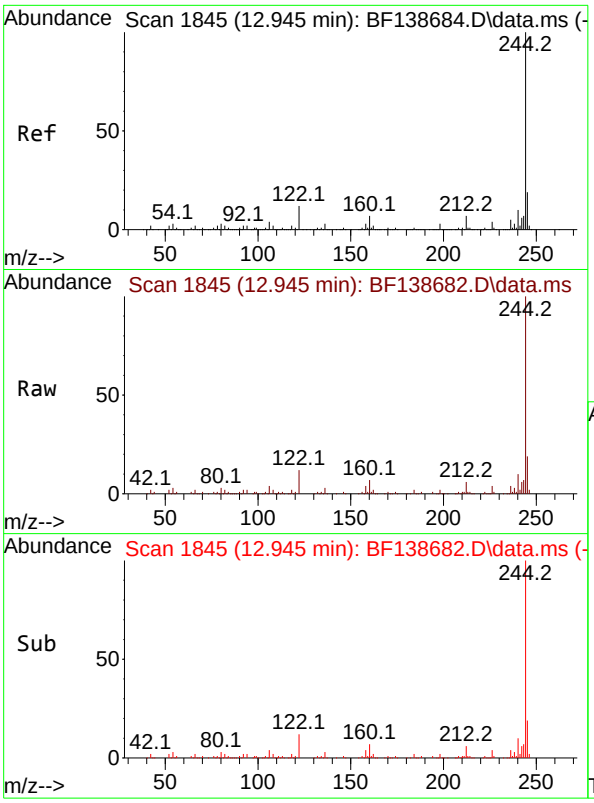


#78
Pyrene
Concen: 10.400 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

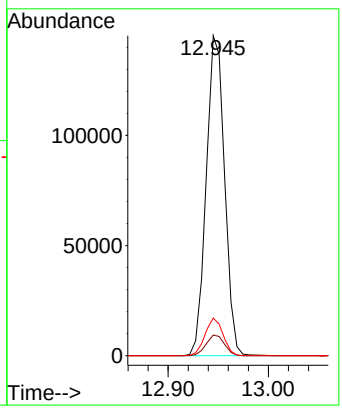




#79
Terphenyl-d14
Concen: 21.187 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:244 Resp: 18507

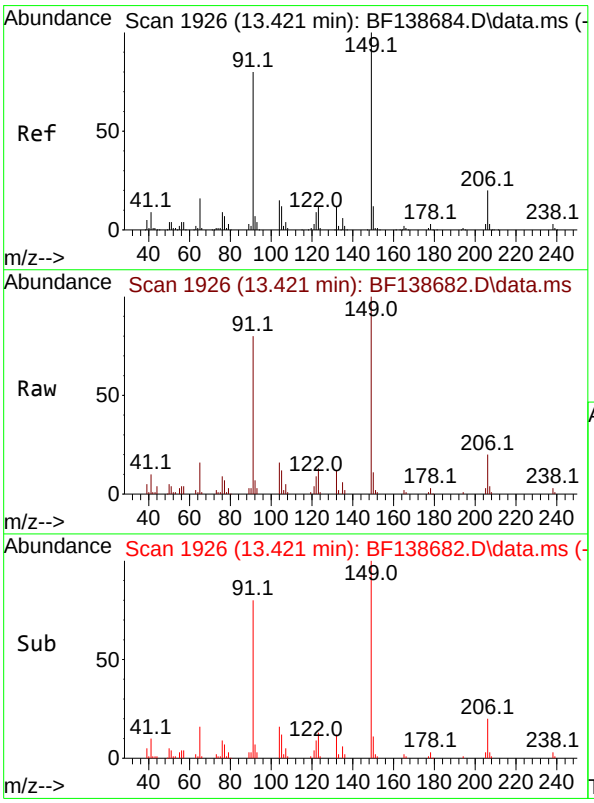
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	11.8	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

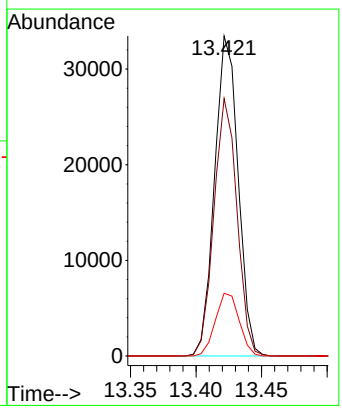
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

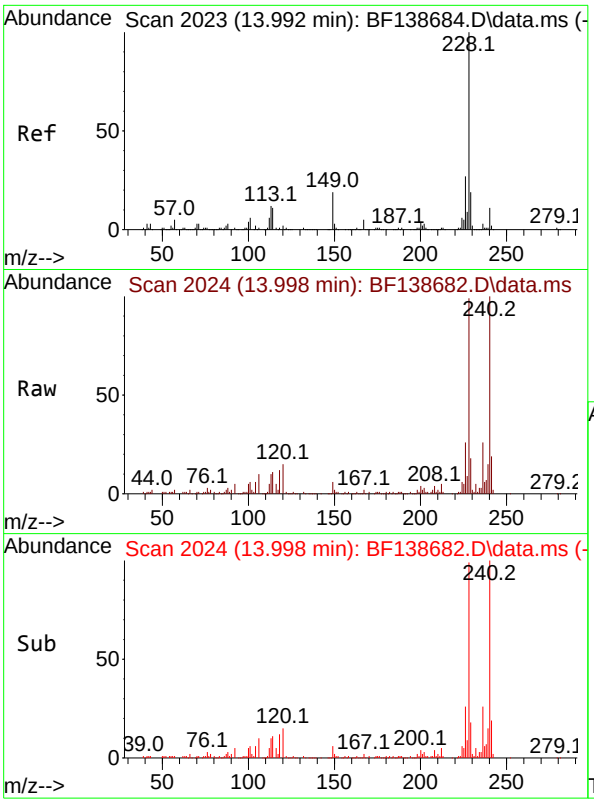


#80
Butylbenzylphthalate
Concen: 9.472 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

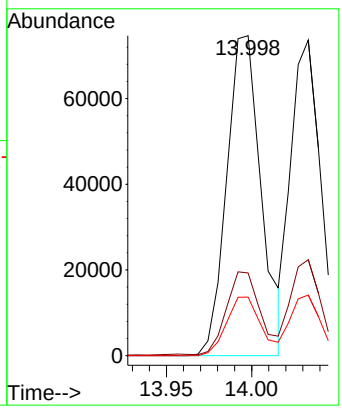




#81
Benzo(a)anthracene
Concen: 10.444 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:228 Resp: 10518

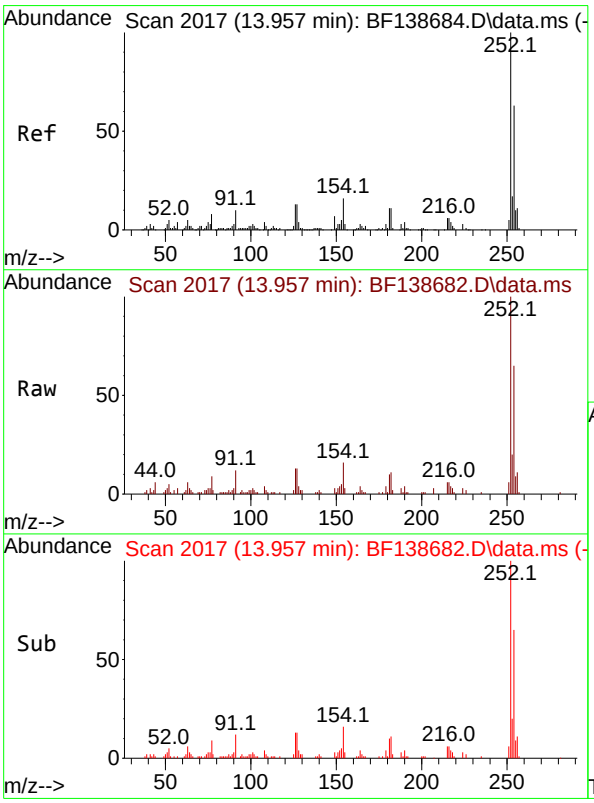
Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.1	33.1
229	18.3	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

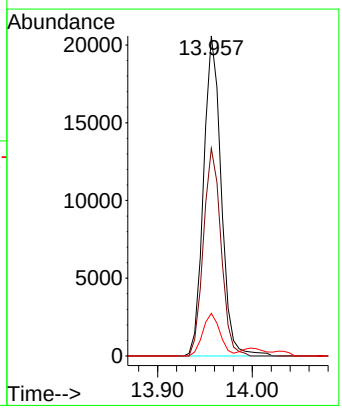
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

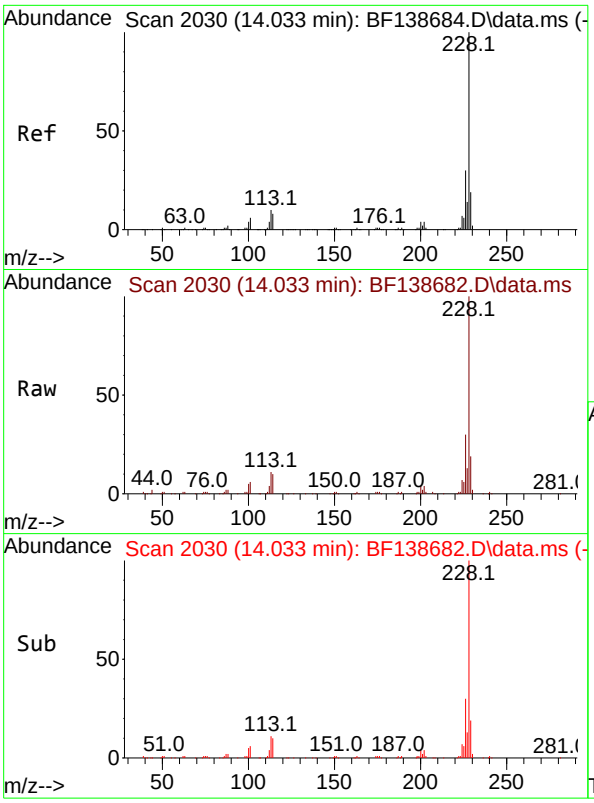


#82
3,3'-Dichlorobenzidine
Concen: 10.314 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

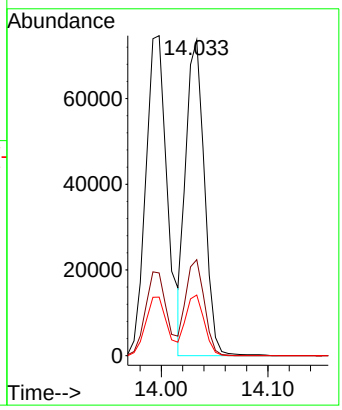




#83
Chrysene
Concen: 9.881 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:228 Resp: 8978

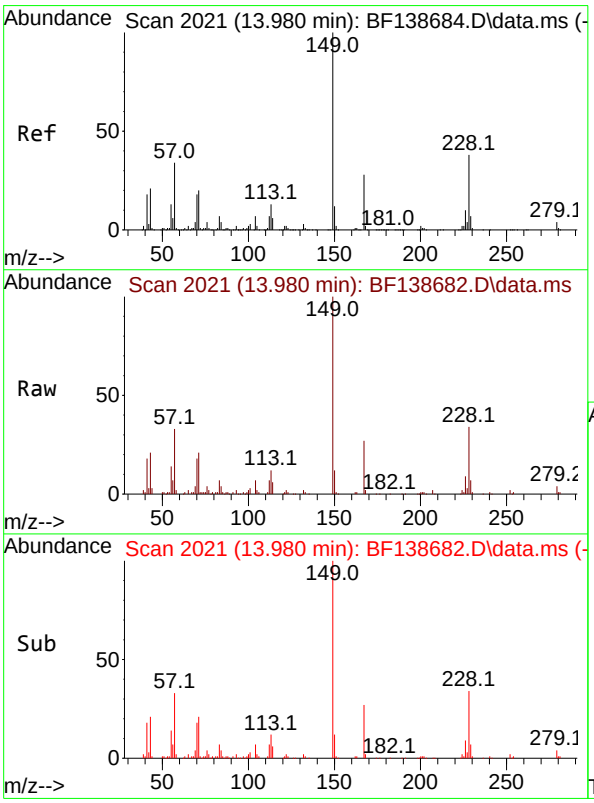
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	19.2	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

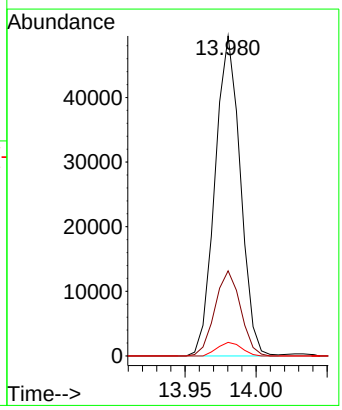
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

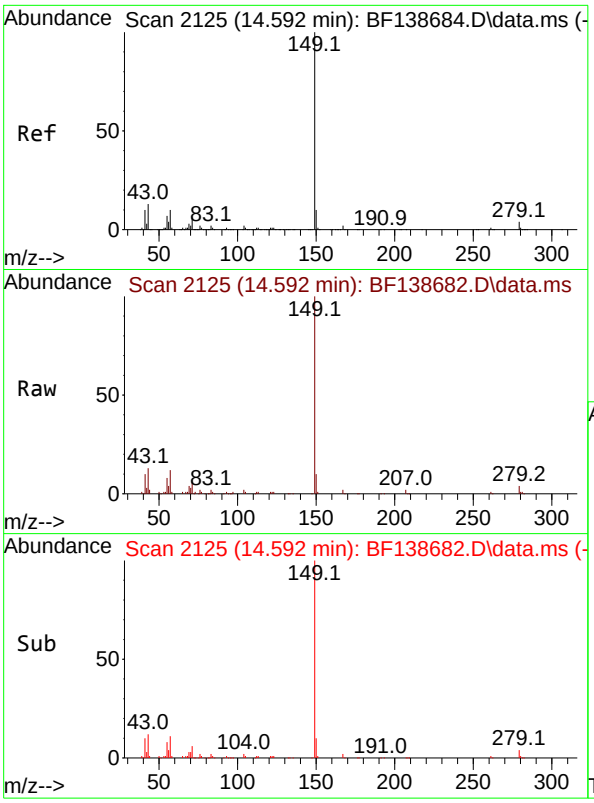


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.495 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

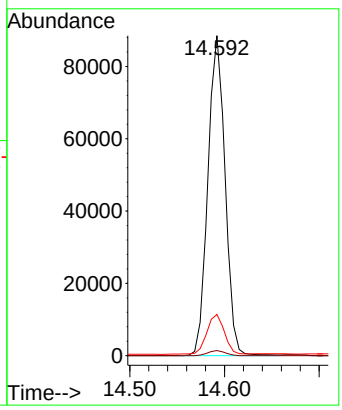
Tgt Ion:149 Resp: 11146

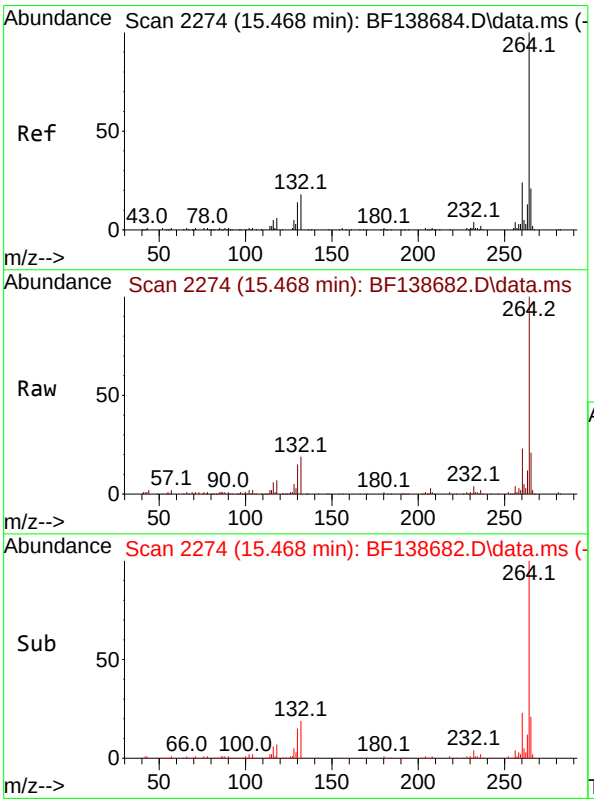
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	12.8	10.4	15.6

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

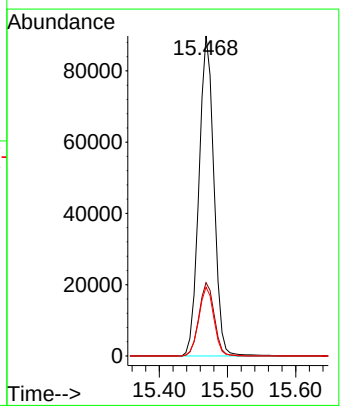


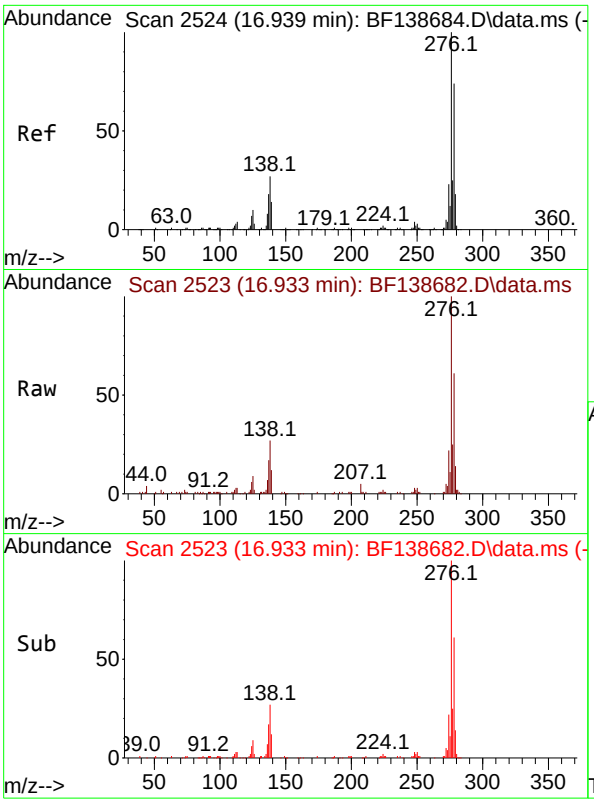


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

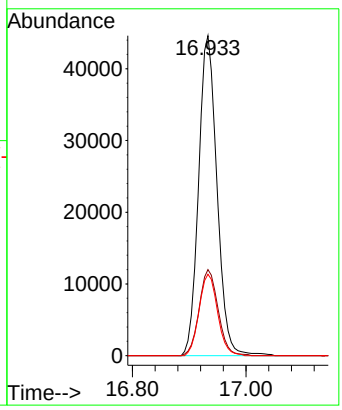




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.215 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:276 Resp: 10031

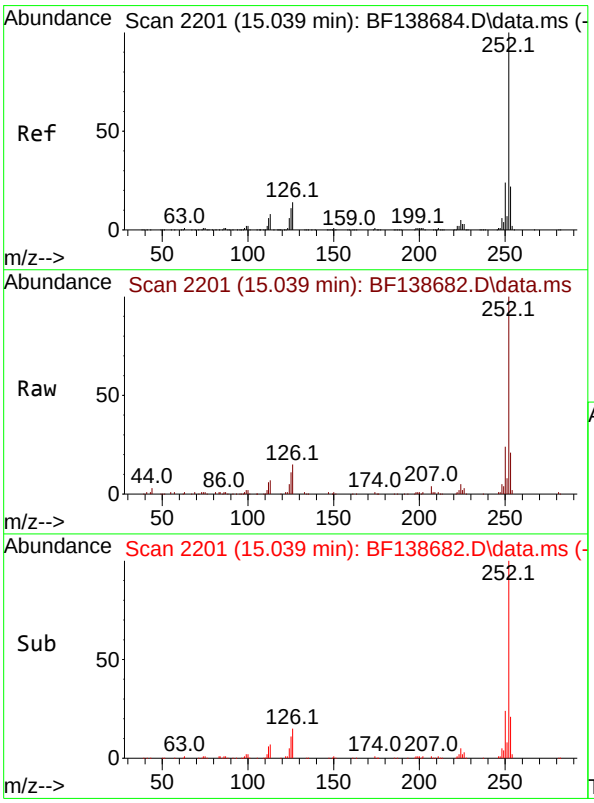
Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.8	32.8
277	25.5	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

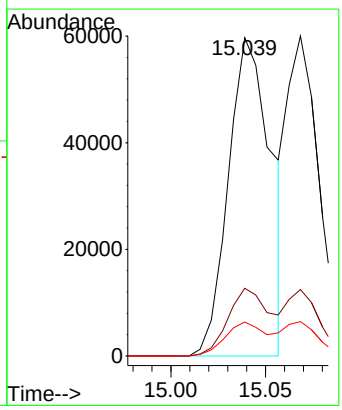
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

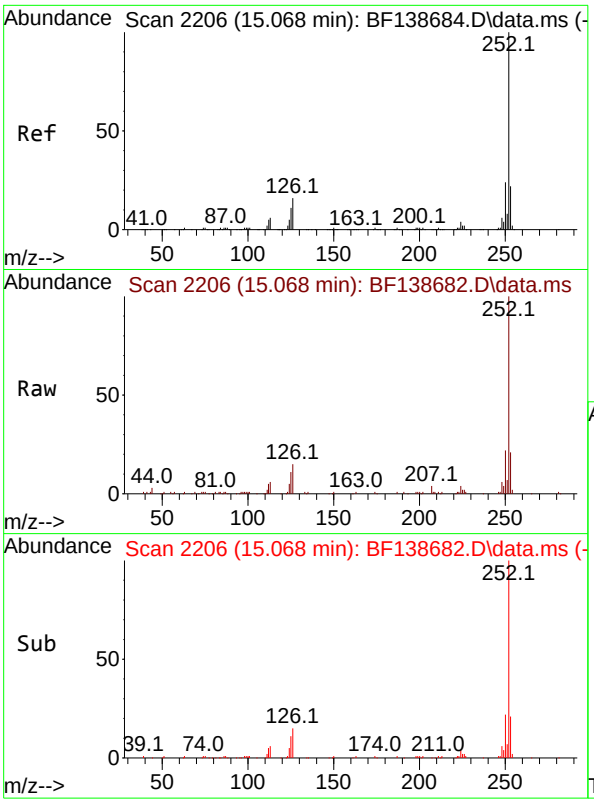


#88
Benzo(b)fluoranthene
Concen: 10.980 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

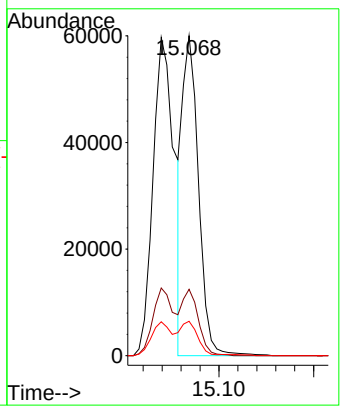




#89
Benzo(k)fluoranthene
Concen: 9.717 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:252 Resp: 7146

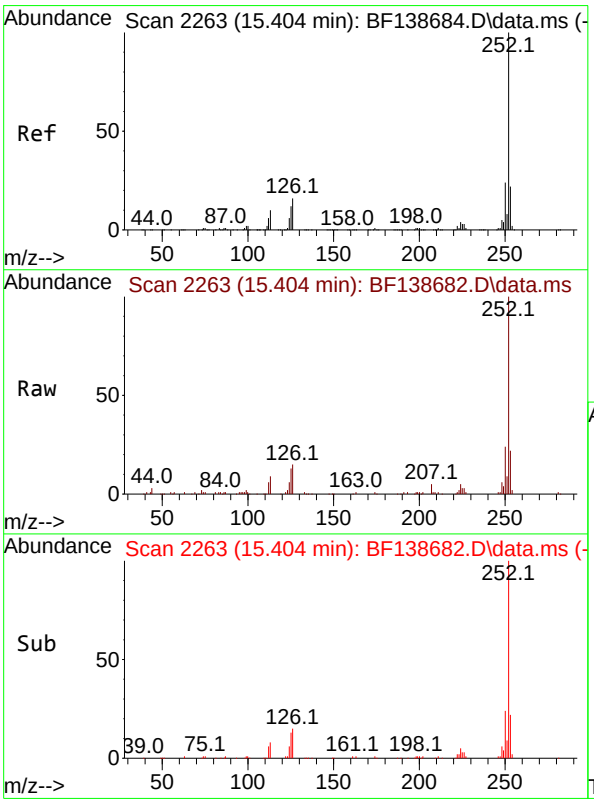
Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	10.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

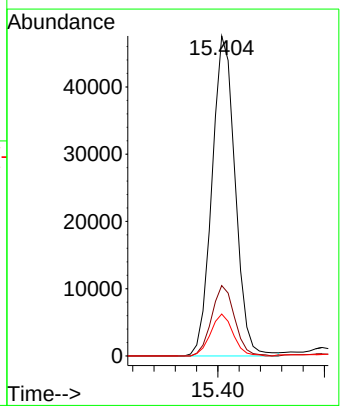
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024

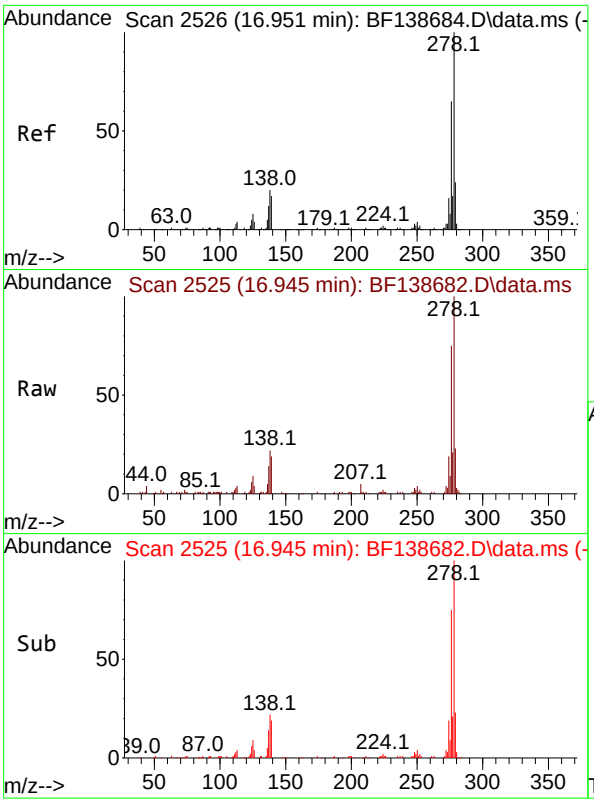


#90
Benzo(a)pyrene
Concen: 10.038 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

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

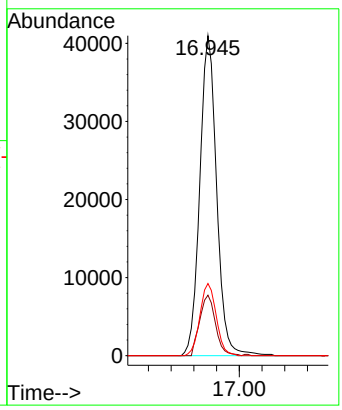




#91
Dibenzo(a,h)anthracene
Concen: 10.465 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138682.D
Acq: 30 Jul 2024 13:56

Tgt Ion:278 Resp: 8435

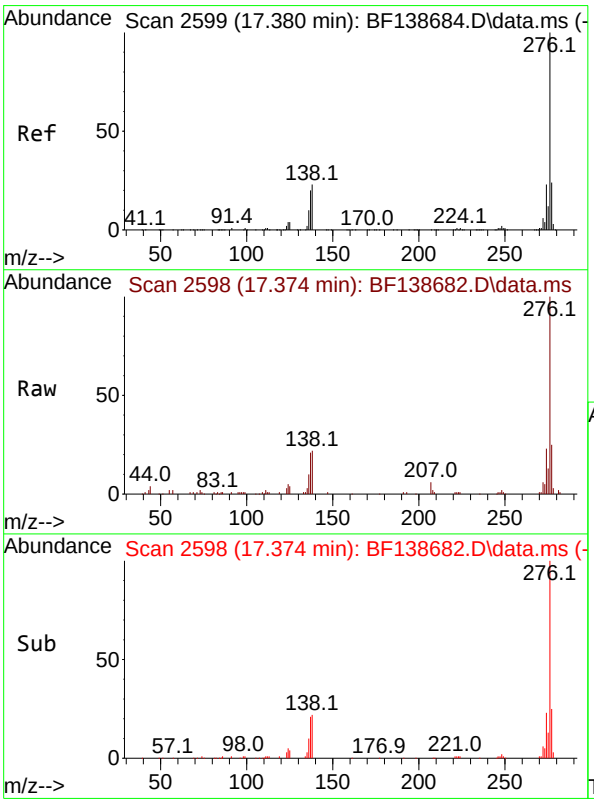
Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.0	21.0
279	22.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

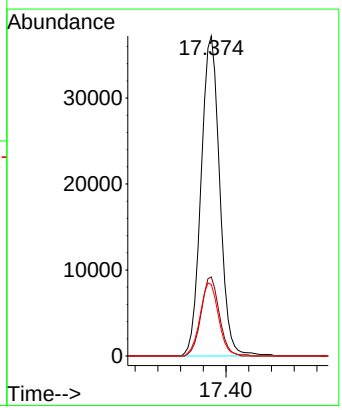
Reviewed By :Yogesh Patel 07/31/2024
Supervised By :mohammad ahmed 07/31/2024



#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)

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)
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

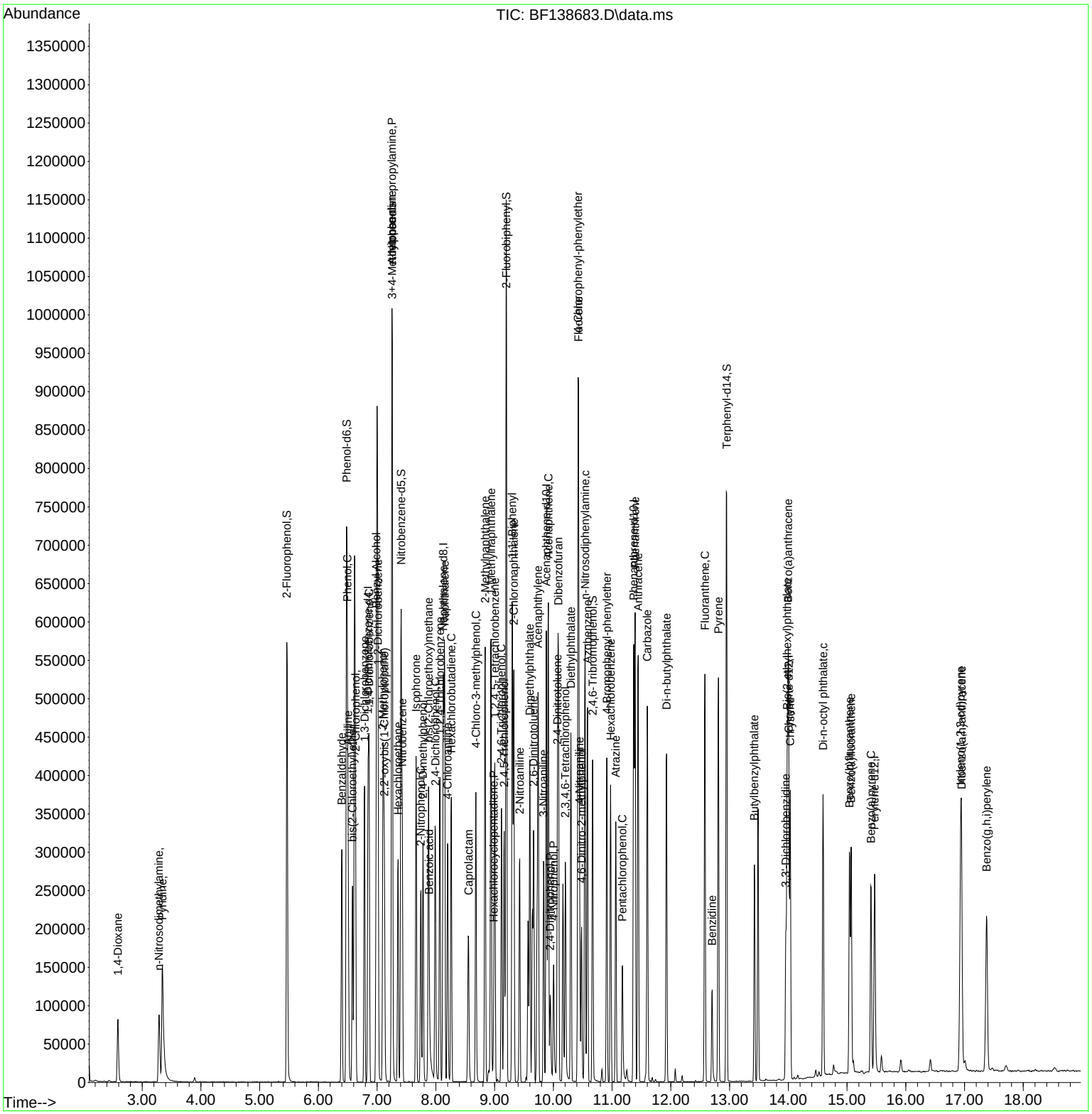
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	64272	20.907	ng	97
46) 1,1'-Biphenyl	9.298	154	270560	20.807	ng	100
47) 2-Chloronaphthalene	9.328	162	201367	20.822	ng	98
48) 2-Nitroaniline	9.428	65	68663	20.943	ng	97
49) Acenaphthylene	9.739	152	289321	21.093	ng	99
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

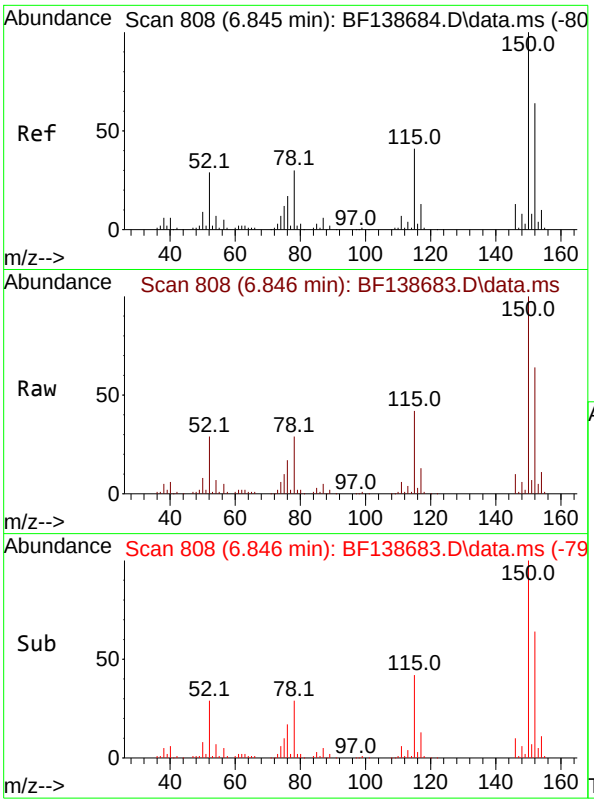
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



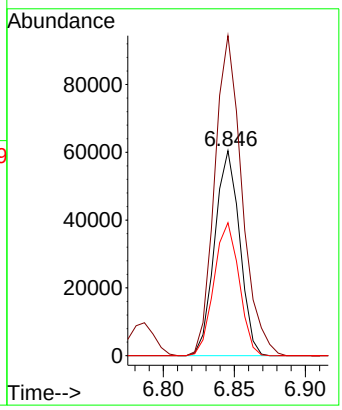


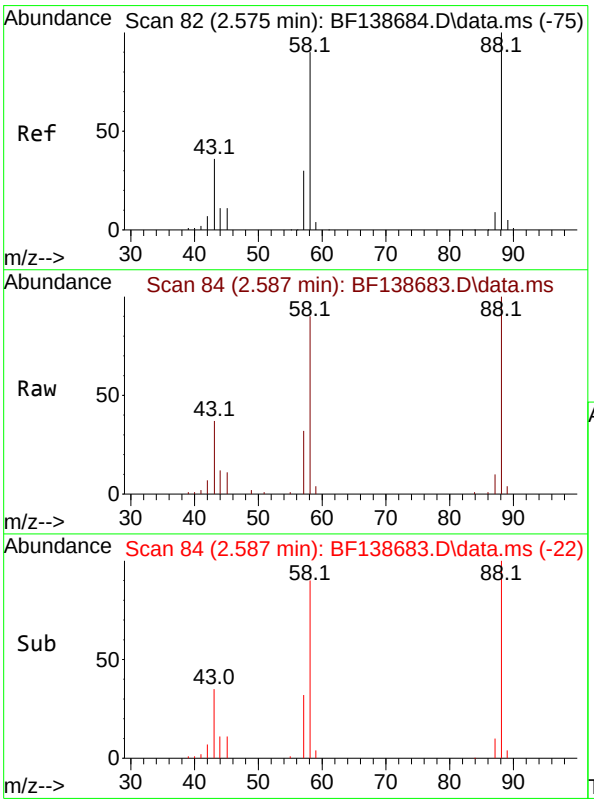
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

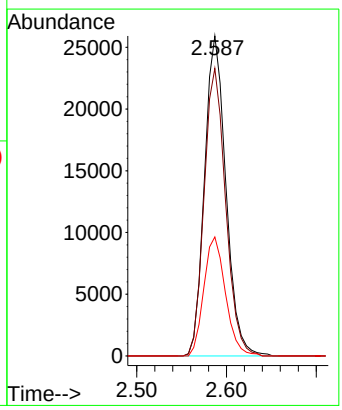


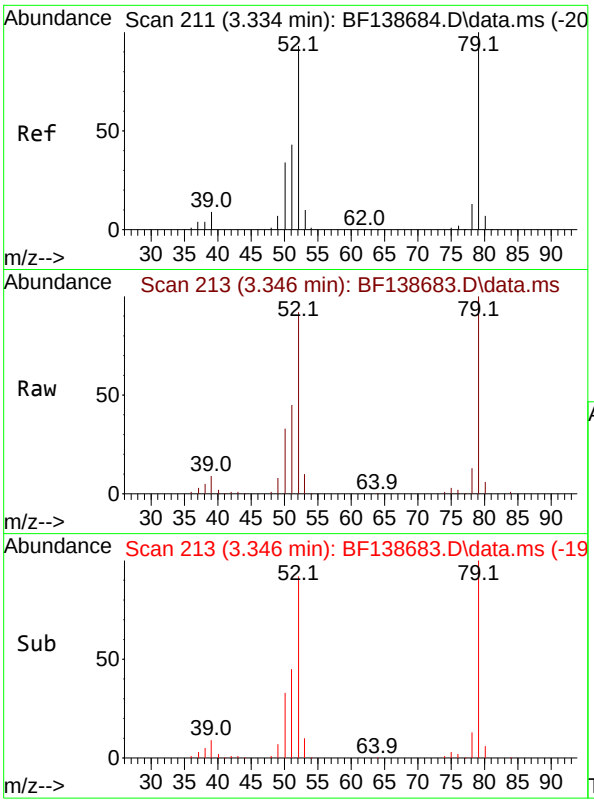


#2
1,4-Dioxane
Concen: 20.480 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



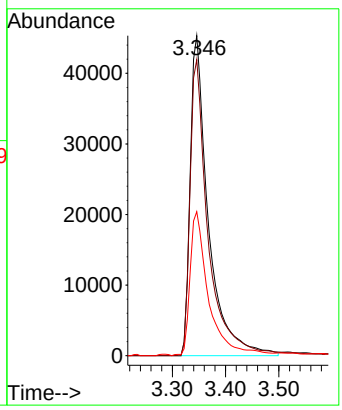


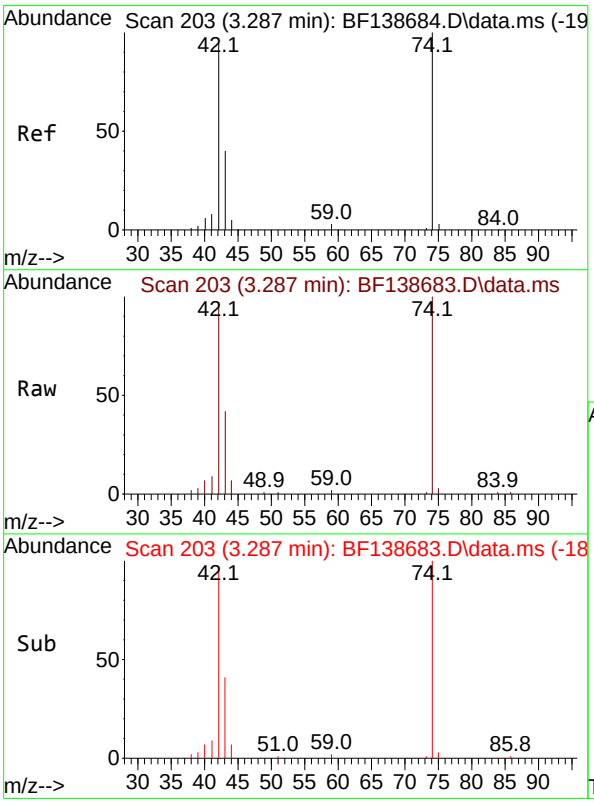
#3
Pyridine
Concen: 21.154 ng
RT: 3.346 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

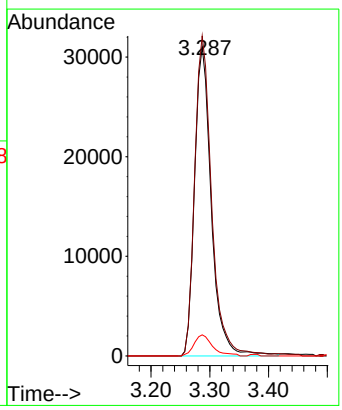


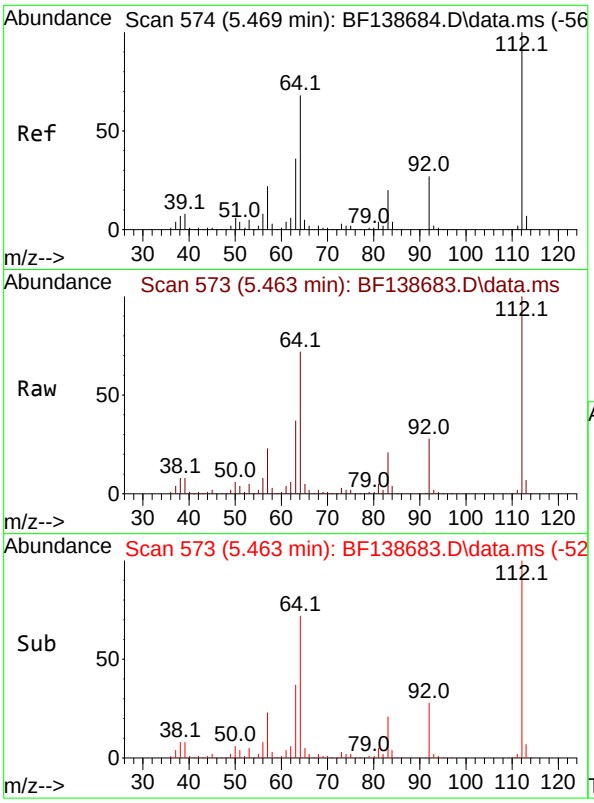


#4
n-Nitrosodimethylamine
Concen: 20.264 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



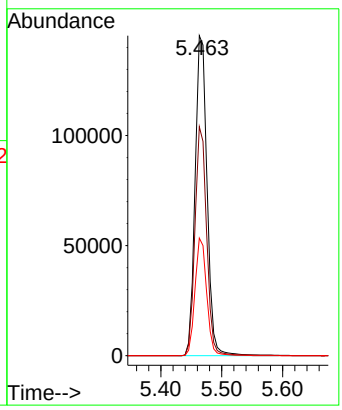


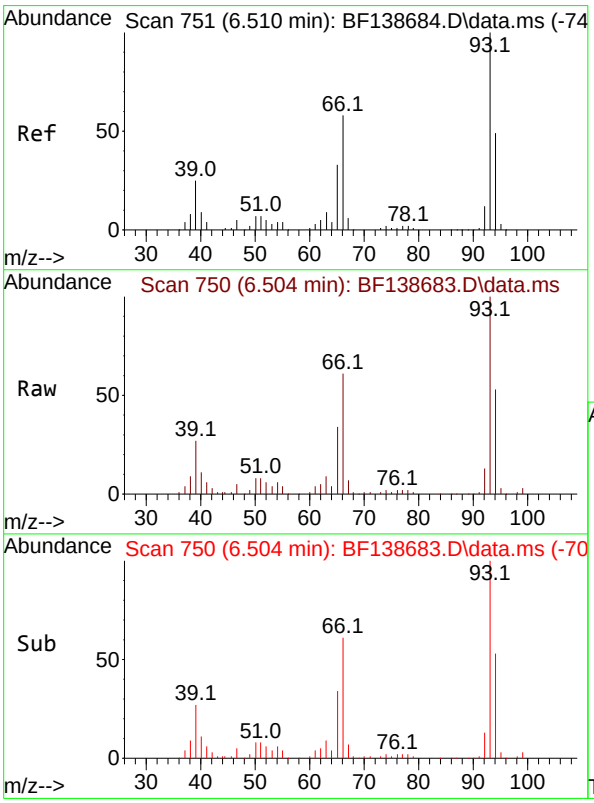
#5
2-Fluorophenol
Concen: 41.415 ng
RT: 5.463 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

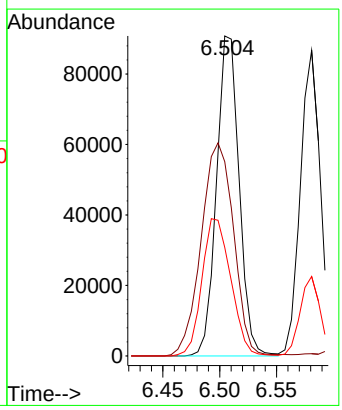


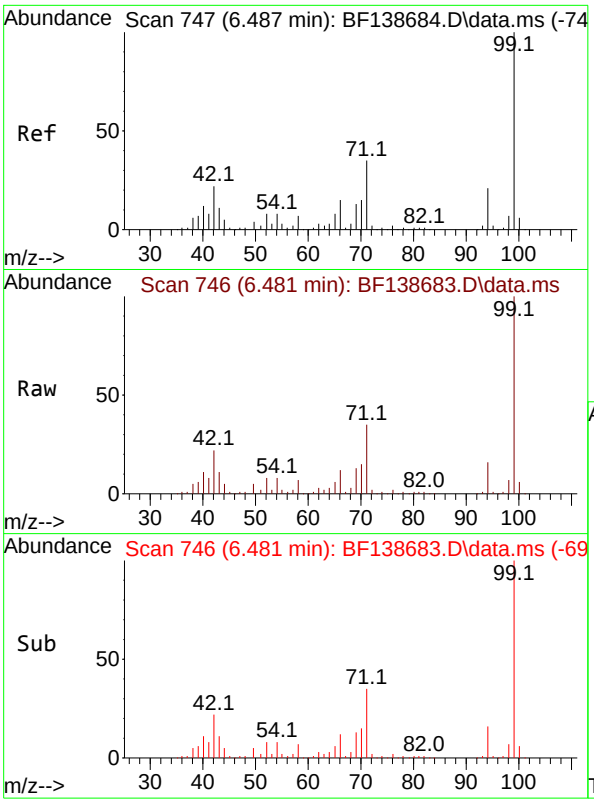


#6
Aniline
Concen: 21.965 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



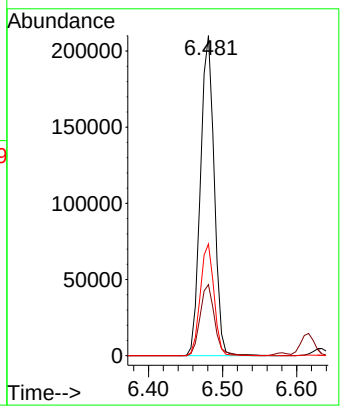


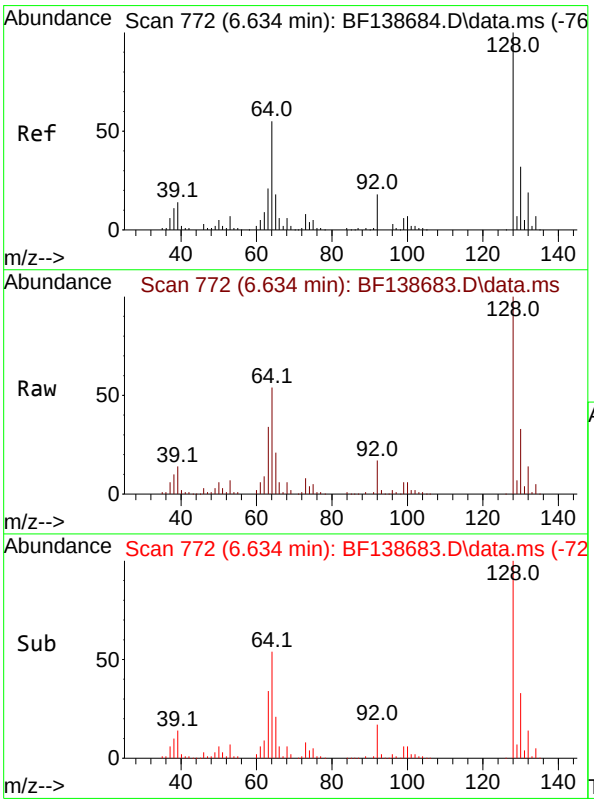
#7
Phenol-d6
Concen: 42.029 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

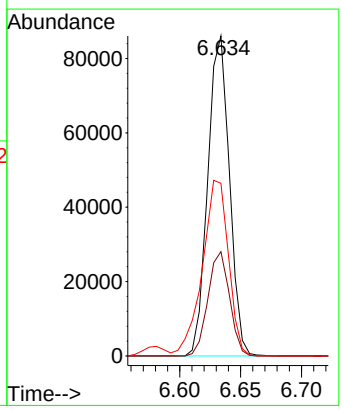


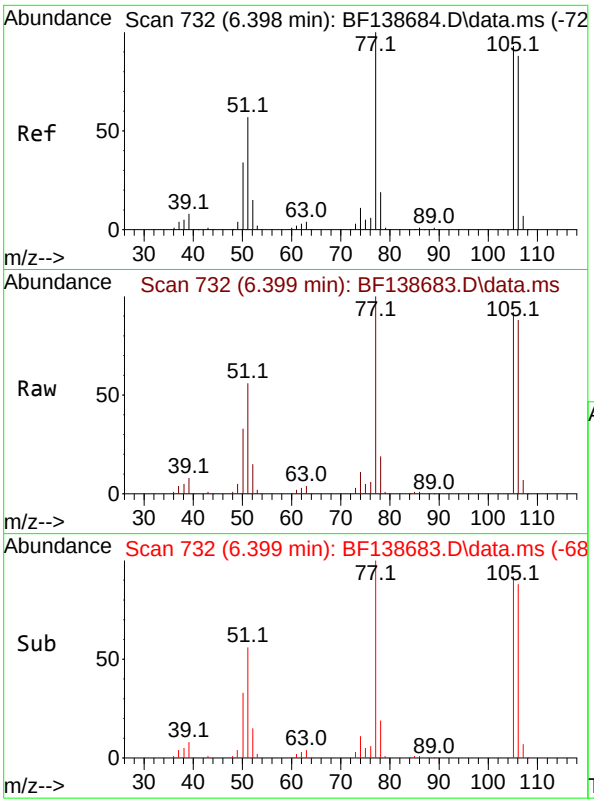


#8
2-Chlorophenol
Concen: 21.166 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



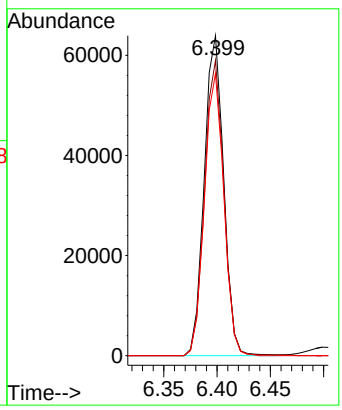


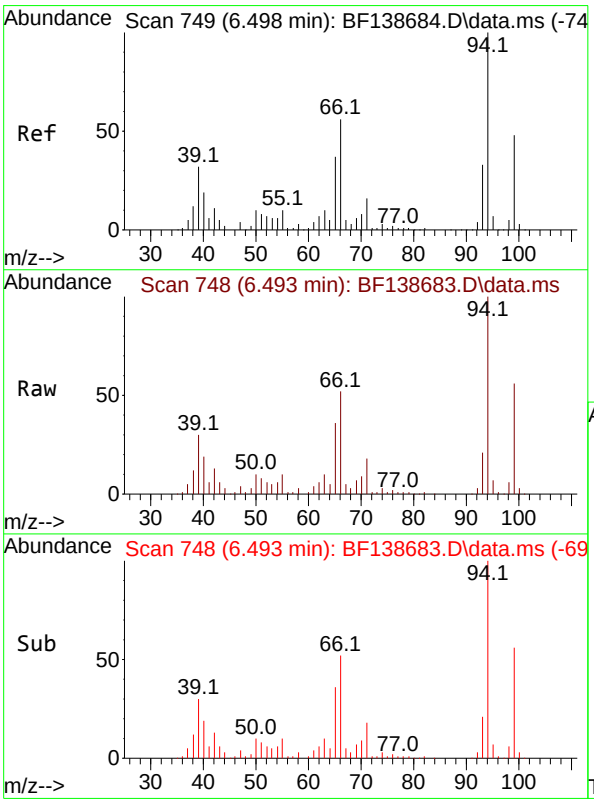
#9
Benzaldehyde
Concen: 21.071 ng
RT: 6.399 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

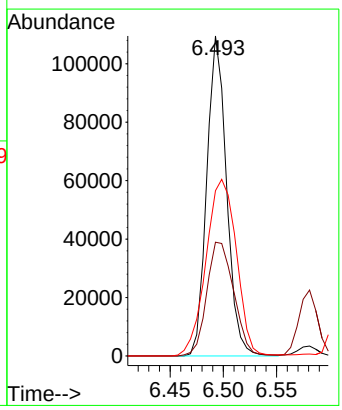


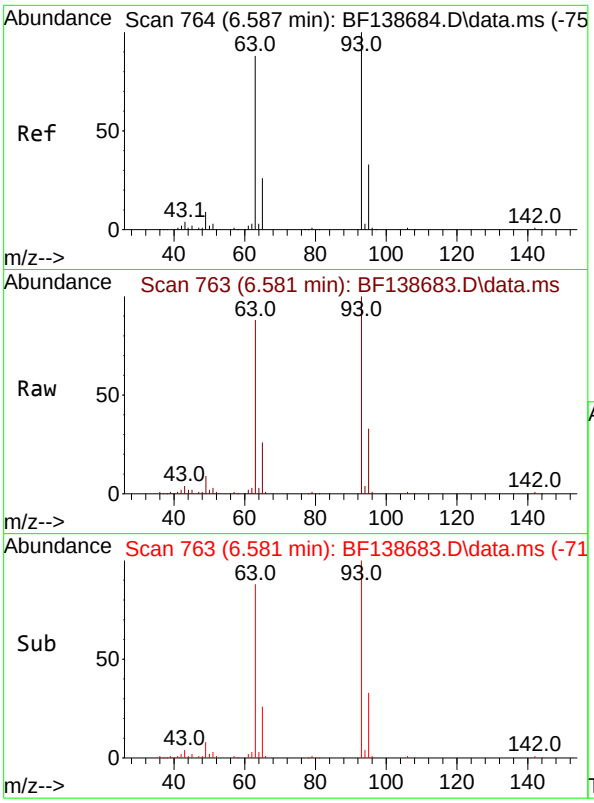


#10
Phenol
Concen: 20.890 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



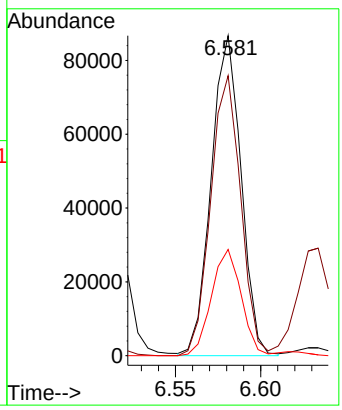


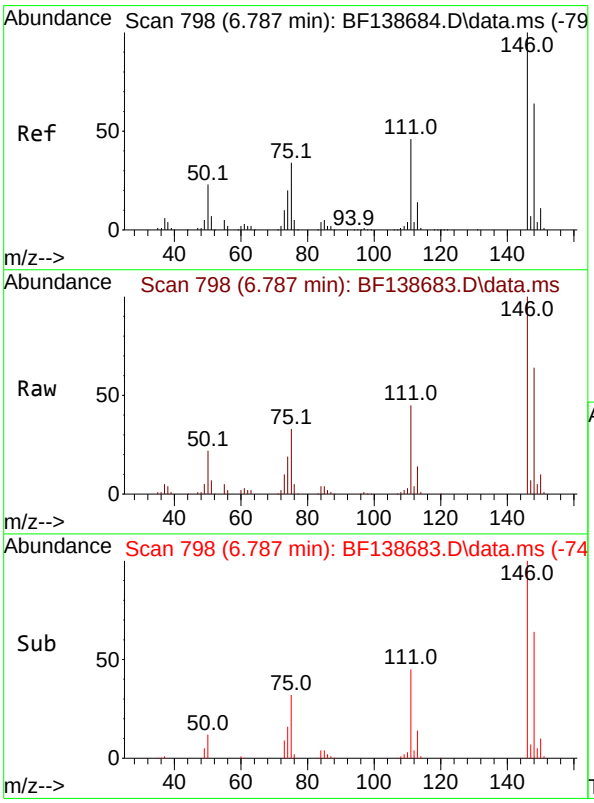
#11
bis(2-Chloroethyl)ether
Concen: 20.347 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

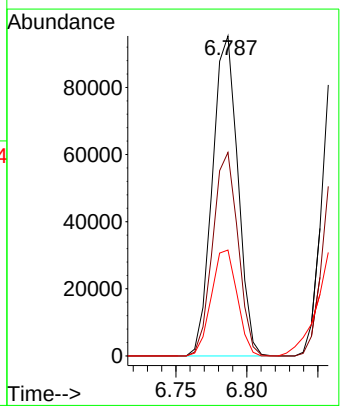


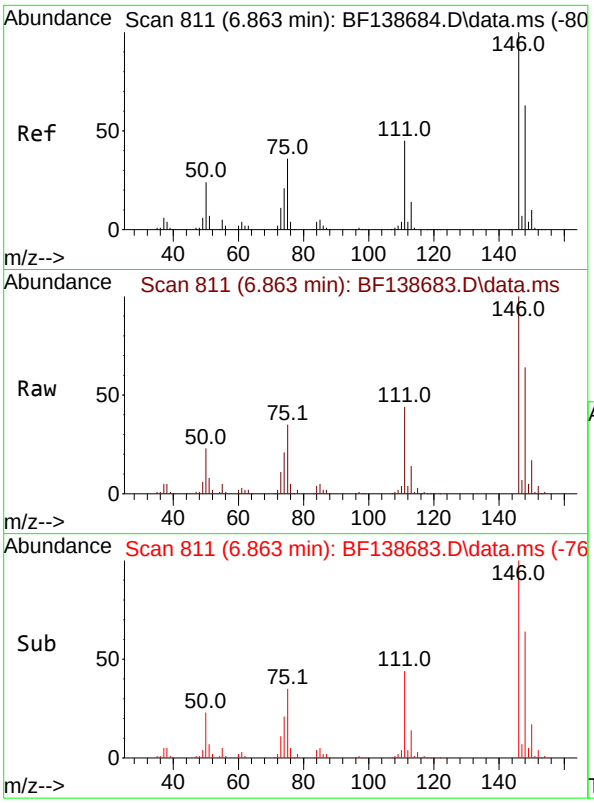


#12
1,3-Dichlorobenzene
Concen: 21.077 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



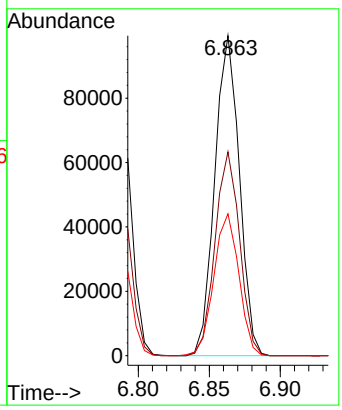


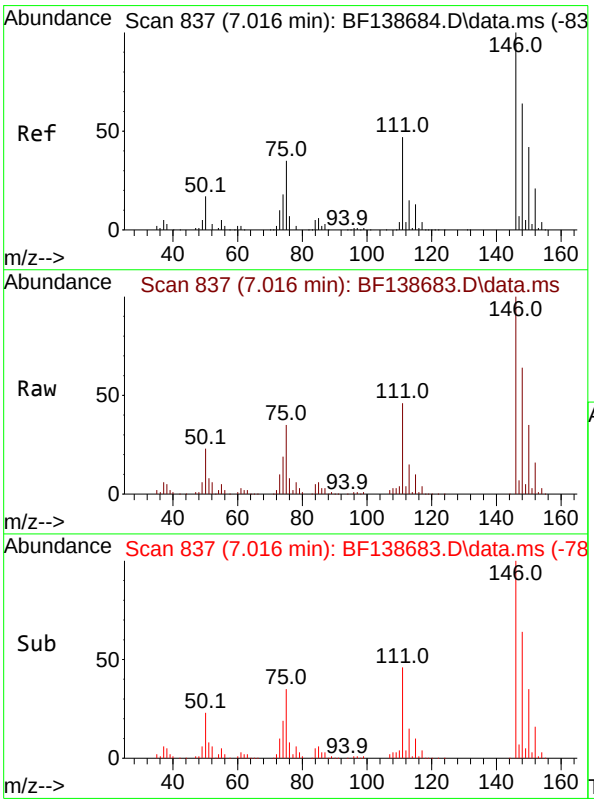
#13
1,4-Dichlorobenzene
Concen: 21.039 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

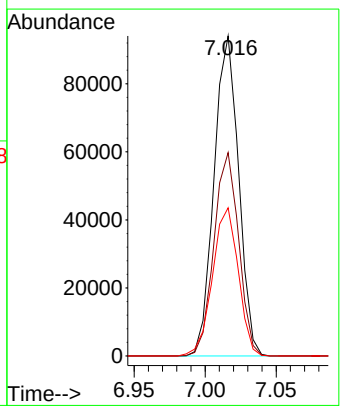


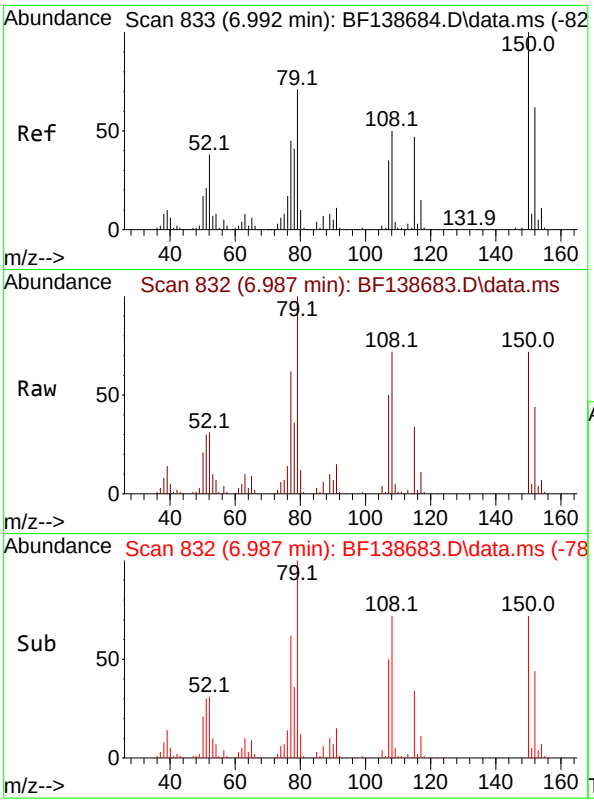


#14
1,2-Dichlorobenzene
Concen: 21.284 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



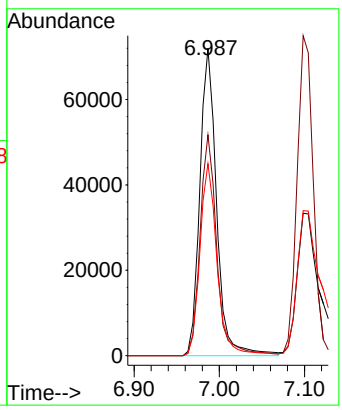


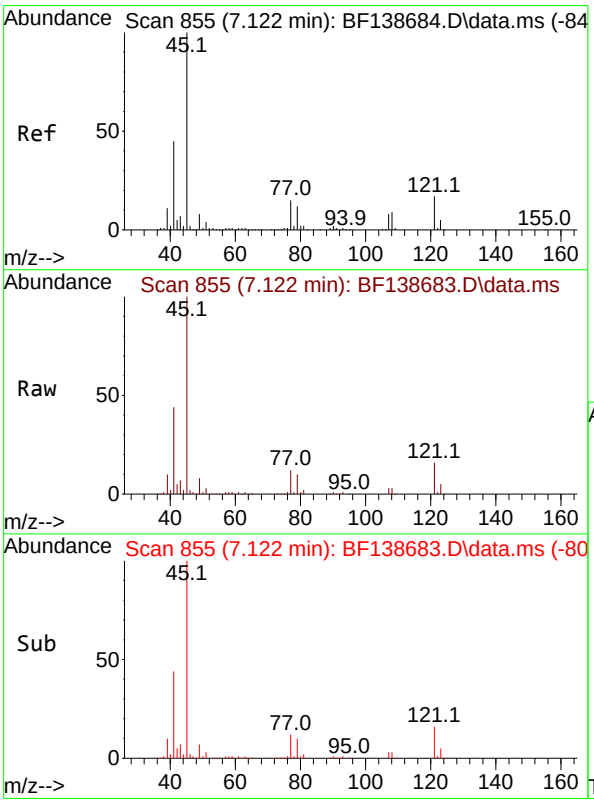
#15
Benzyl Alcohol
Concen: 21.284 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

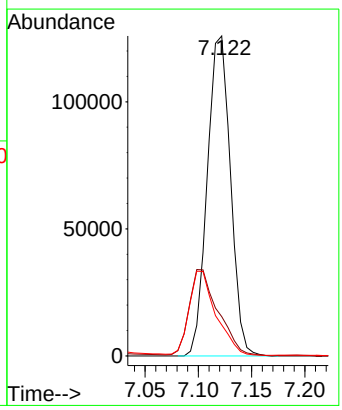


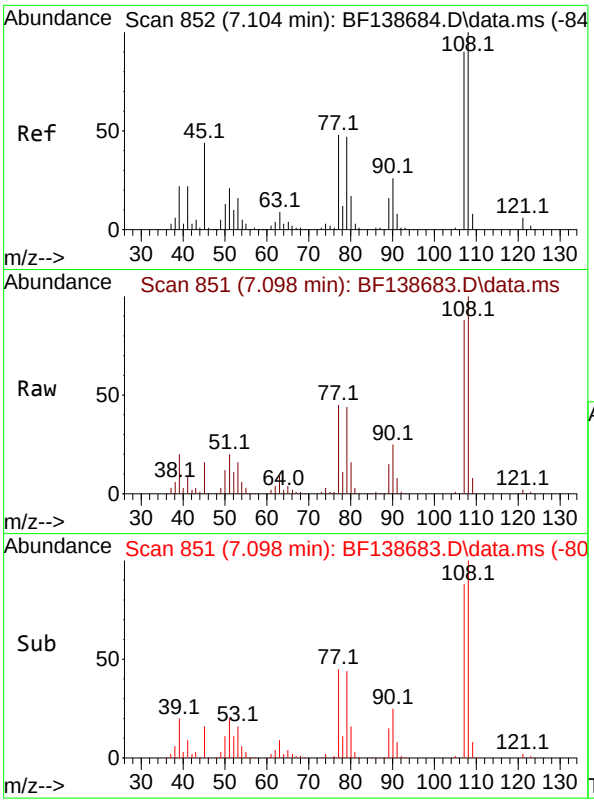


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.369 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



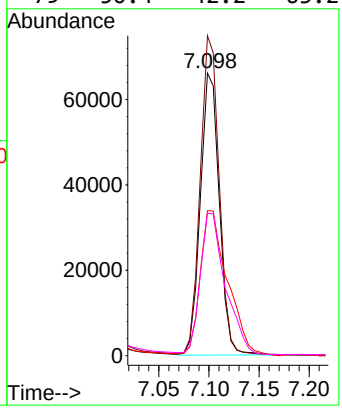


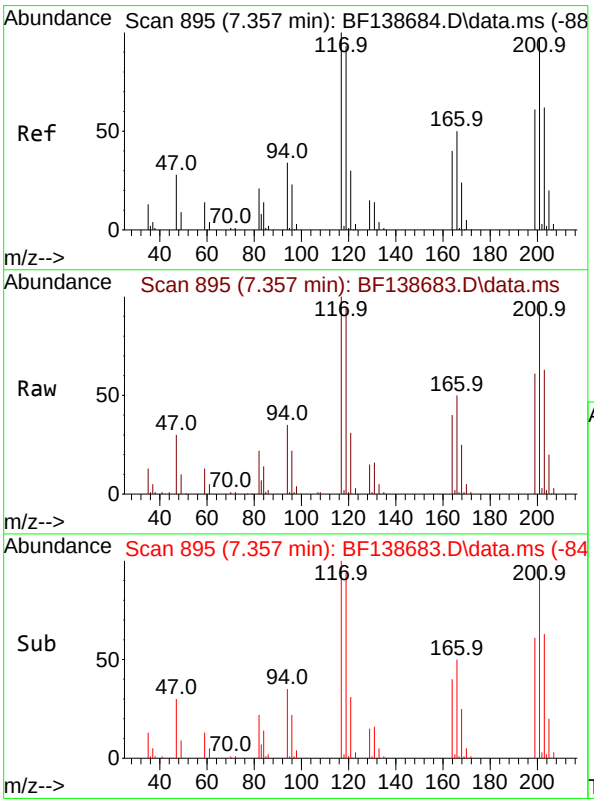
#17
2-Methylphenol
Concen: 21.024 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

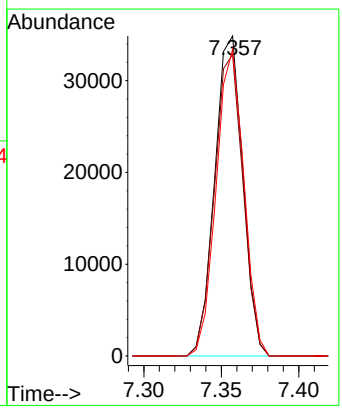


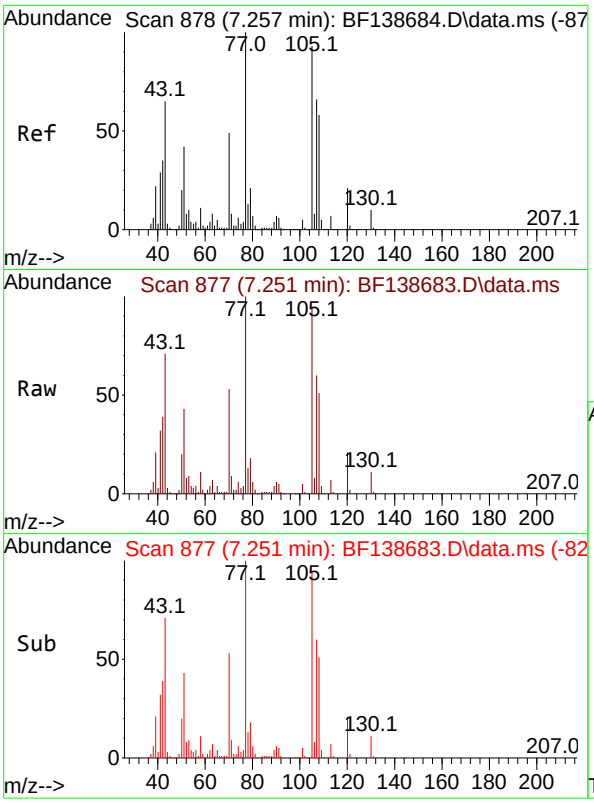


#18
Hexachloroethane
Concen: 20.620 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



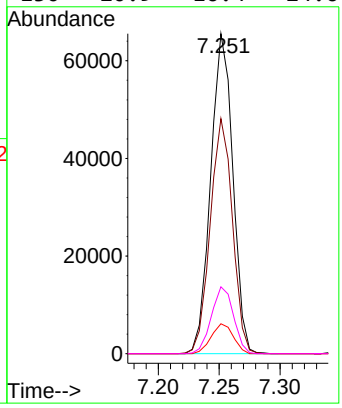


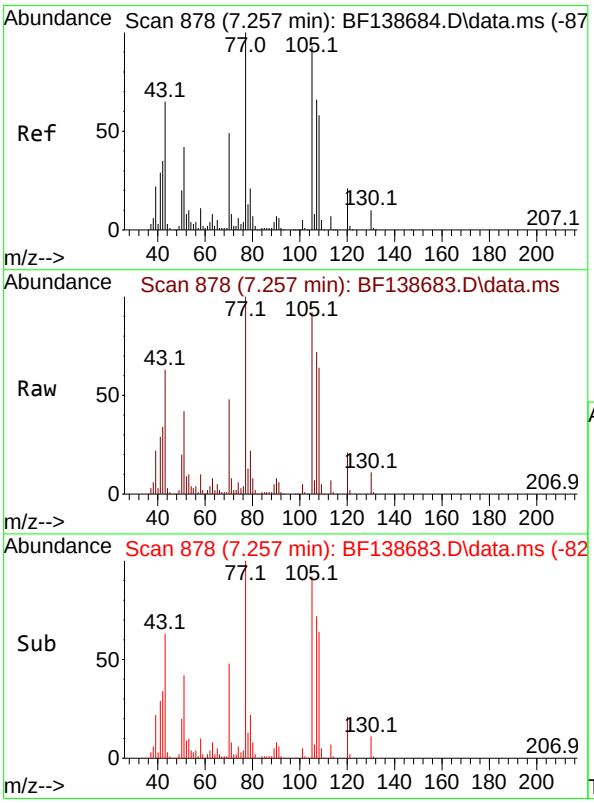
#19
n-Nitroso-di-n-propylamine
Concen: 21.369 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

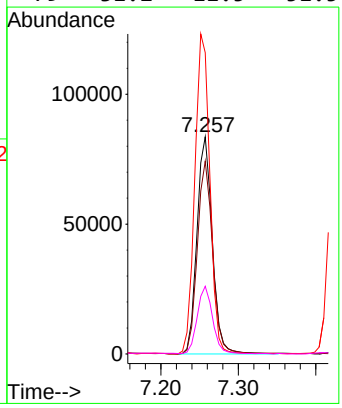


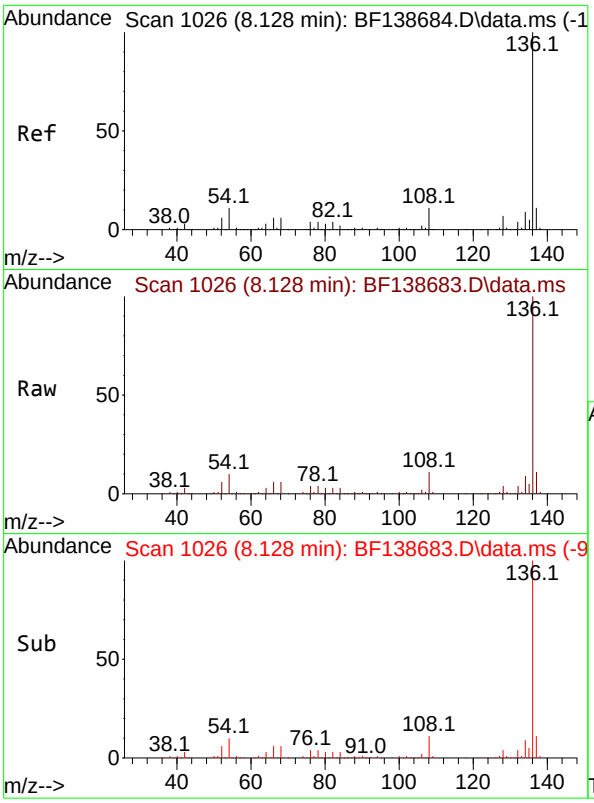


#20
3+4-Methylphenols
Concen: 21.577 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



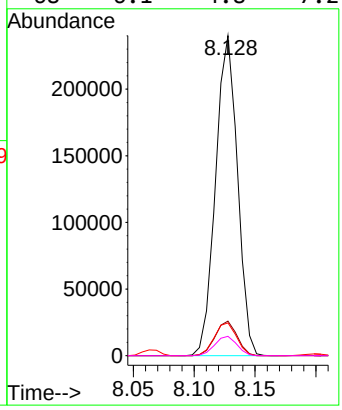


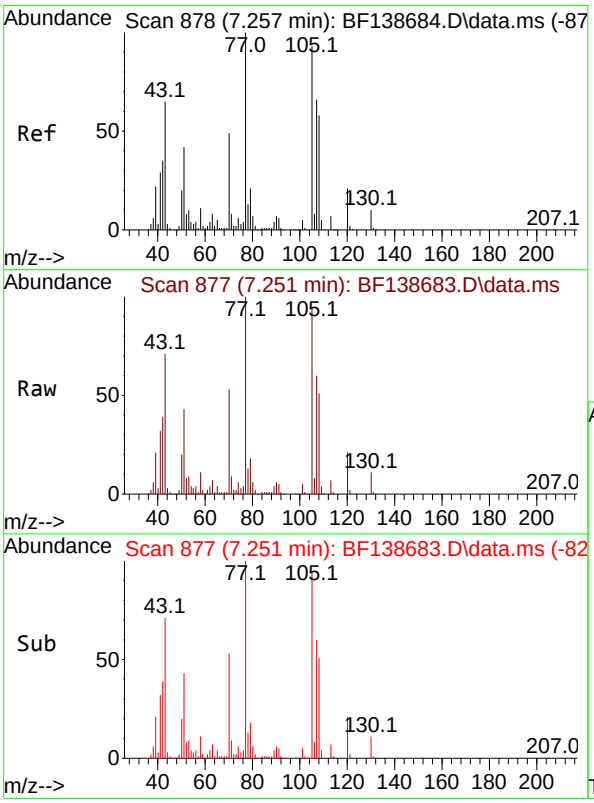
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

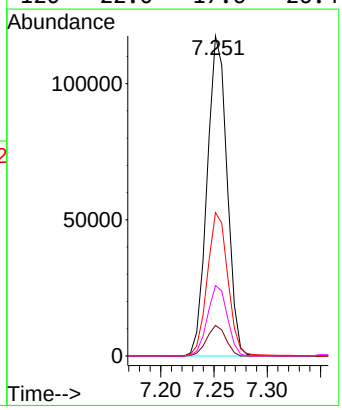


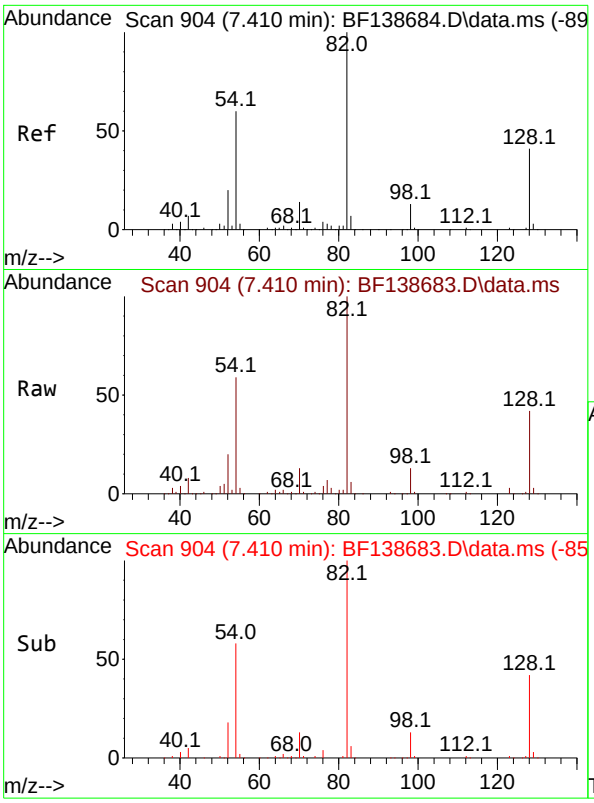


#22
Acetophenone
Concen: 20.738 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



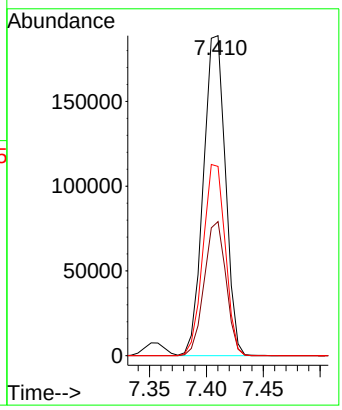


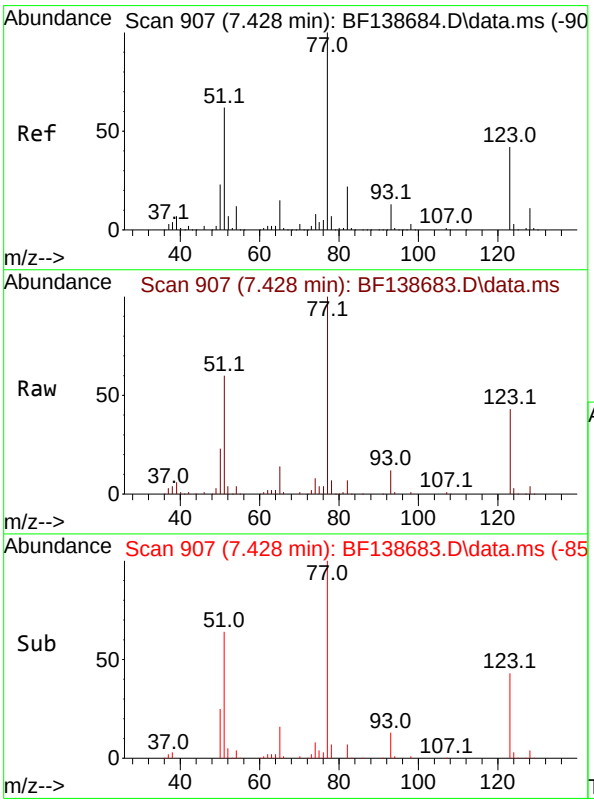
#23
Nitrobenzene-d5
Concen: 41.480 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

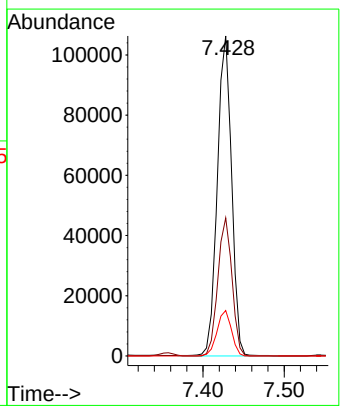


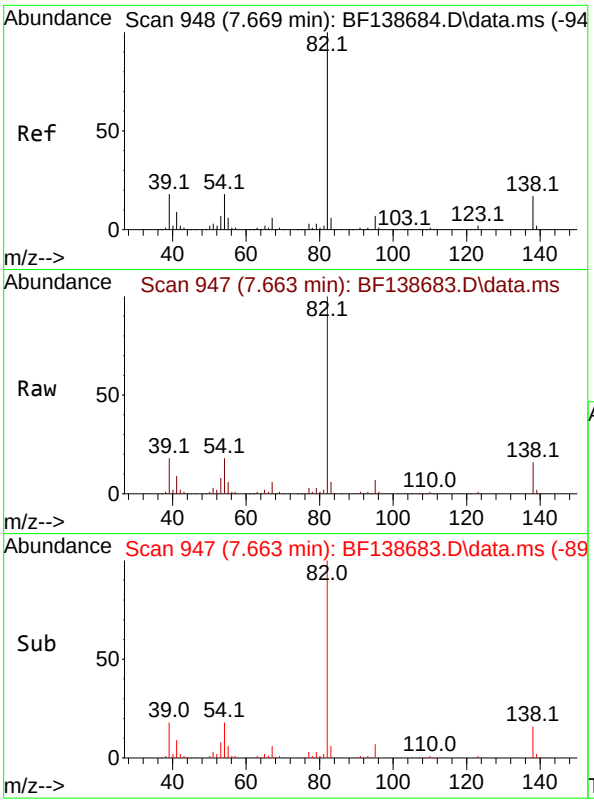


#24
Nitrobenzene
Concen: 20.819 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



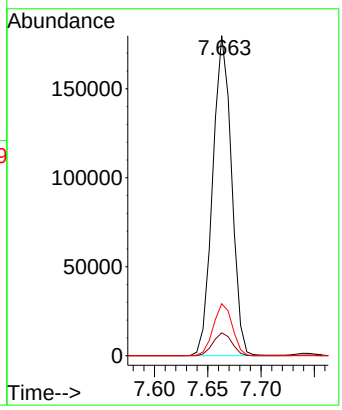


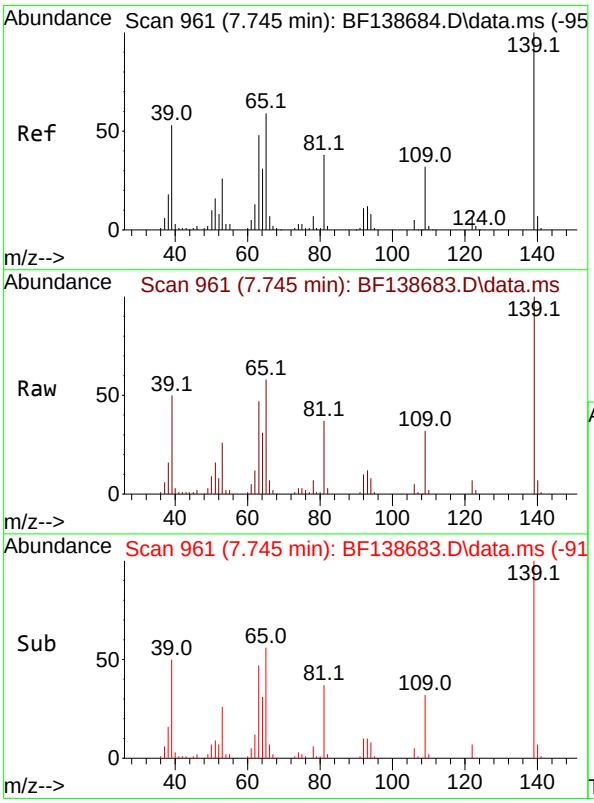
#25
Isophorone
Concen: 21.034 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

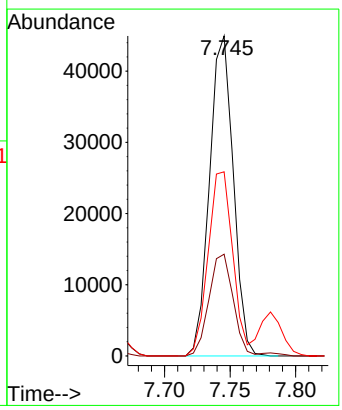


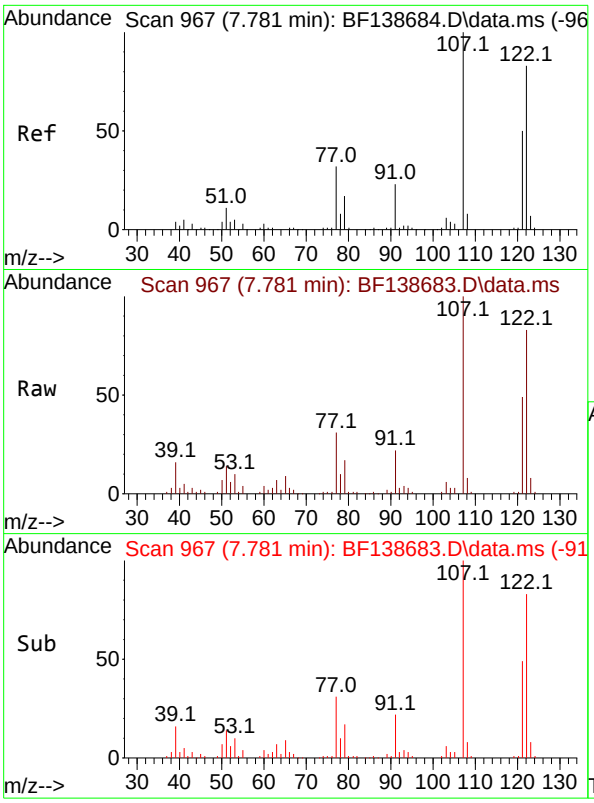


#26
2-Nitrophenol
Concen: 21.006 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



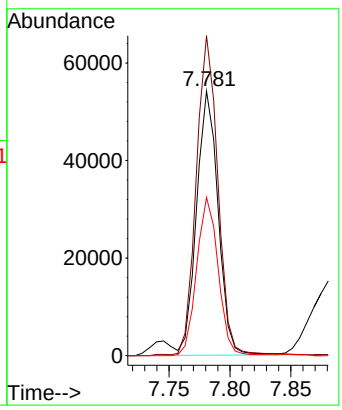


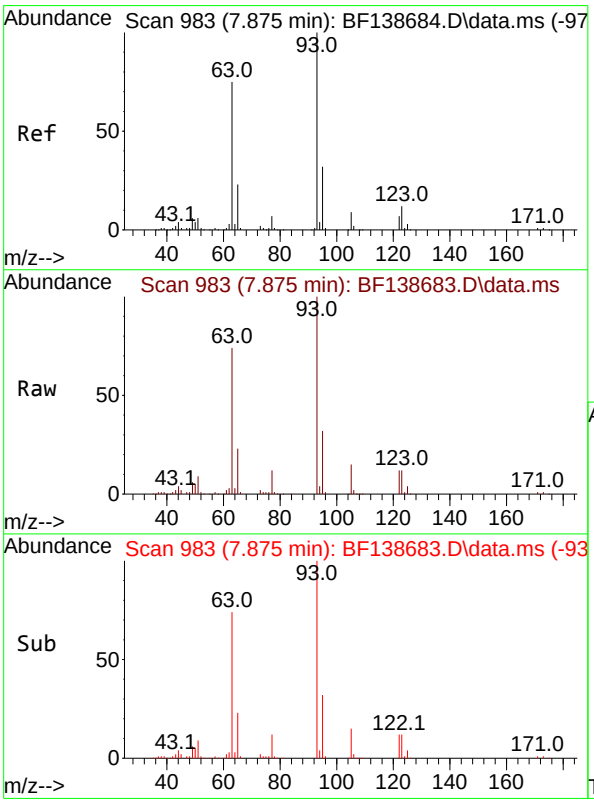
#27
2,4-Dimethylphenol
Concen: 20.620 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

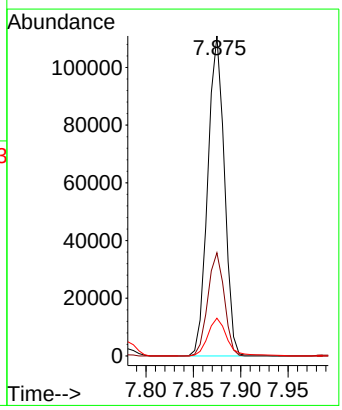


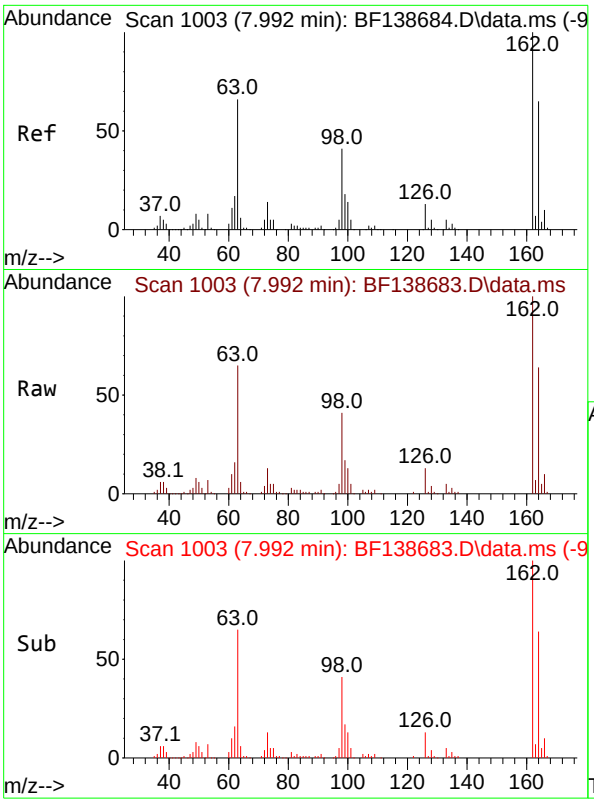


#28
bis(2-Chloroethoxy)methane
Concen: 21.118 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



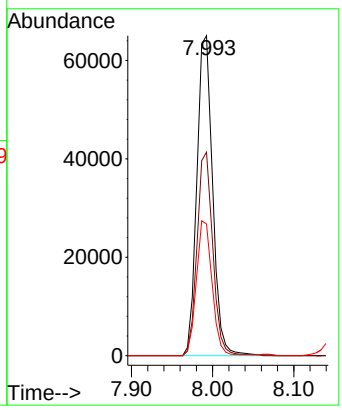


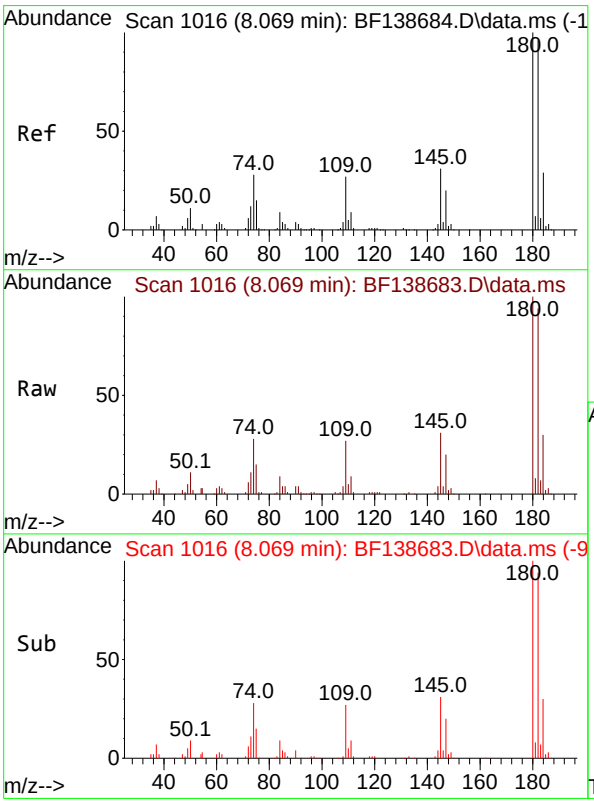
#29
2,4-Dichlorophenol
Concen: 21.289 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

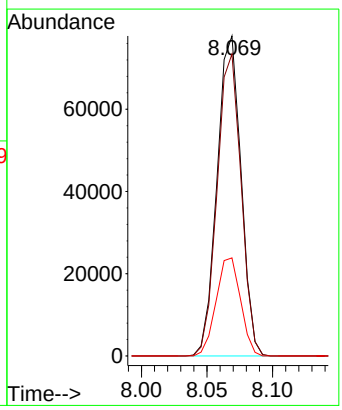


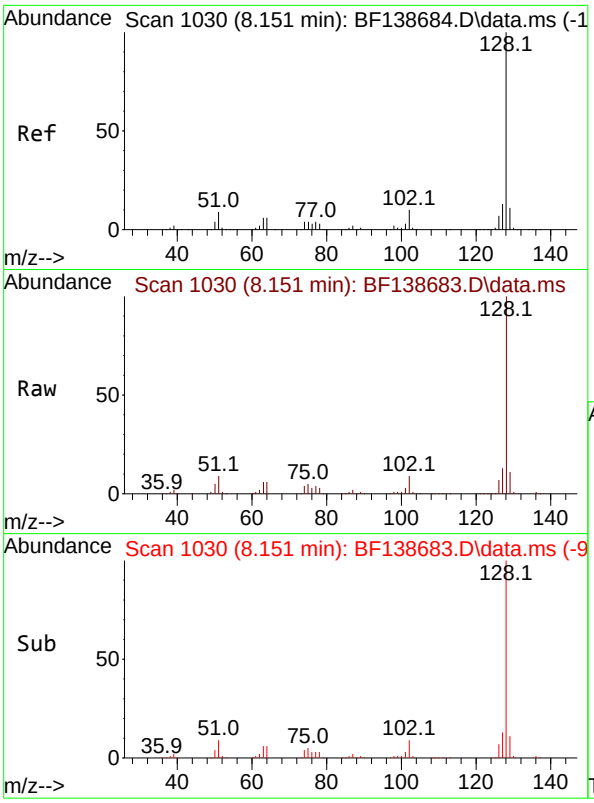


#30
1,2,4-Trichlorobenzene
Concen: 20.697 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



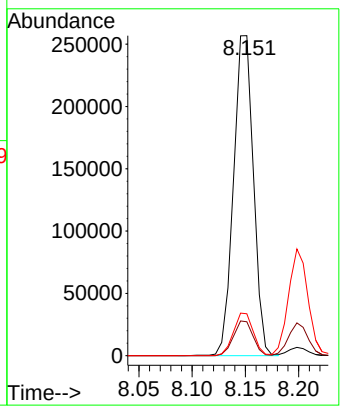


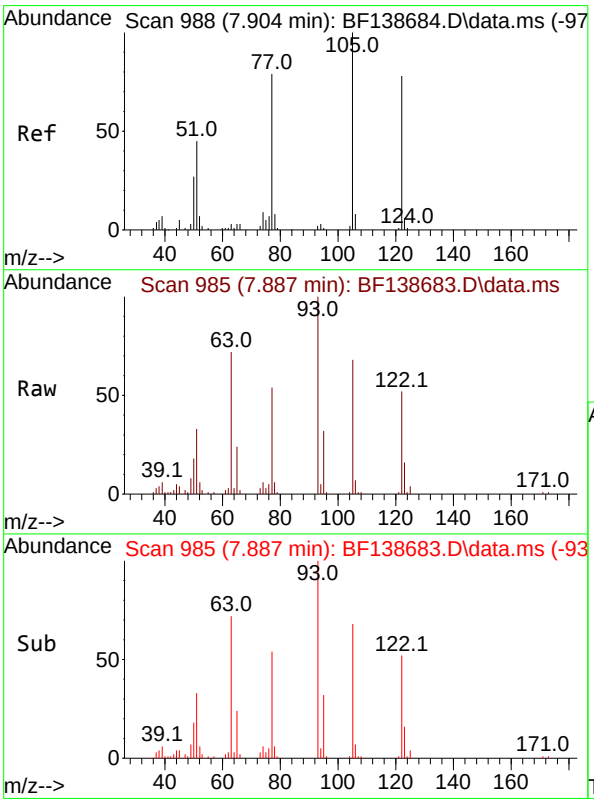
#31
Naphthalene
Concen: 21.084 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

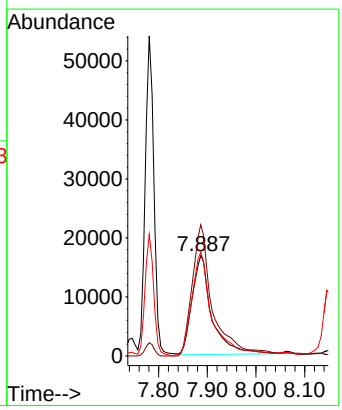


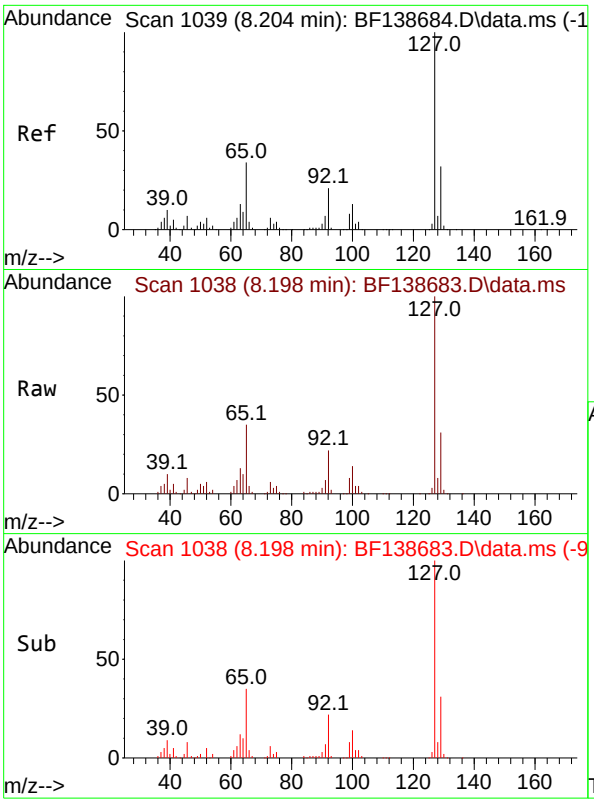


#32
Benzoic acid
Concen: 18.740 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.017 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



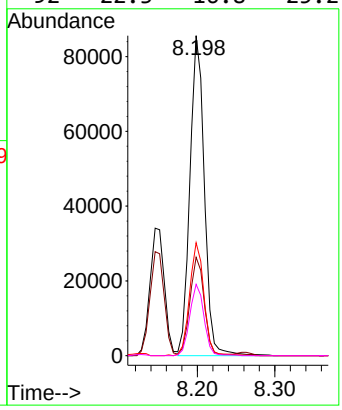


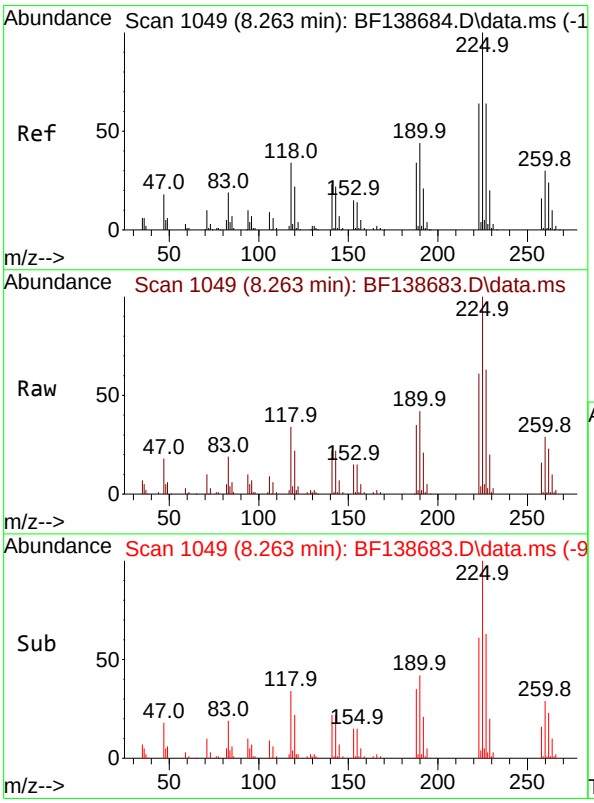
#33
4-Chloroaniline
Concen: 20.887 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

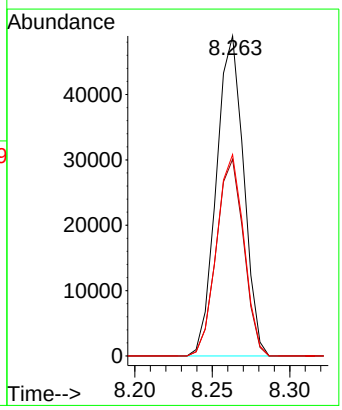


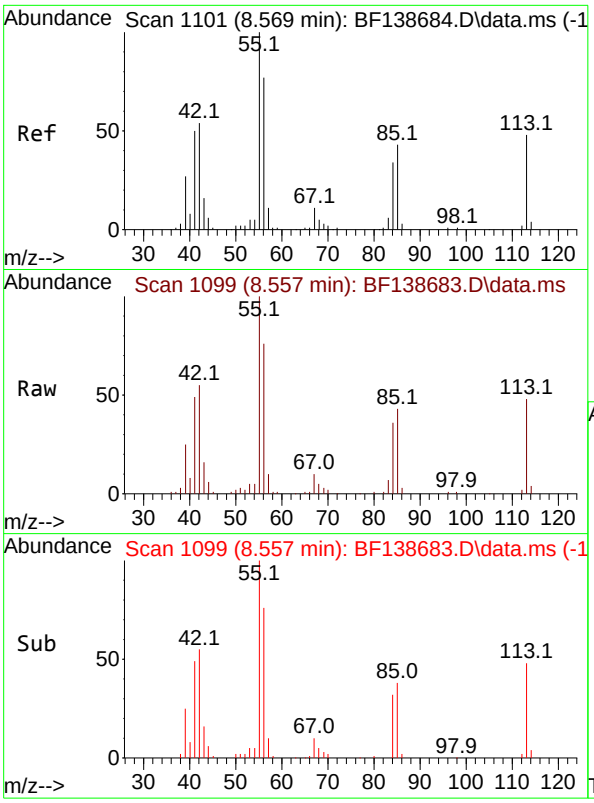


#34
Hexachlorobutadiene
Concen: 20.749 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



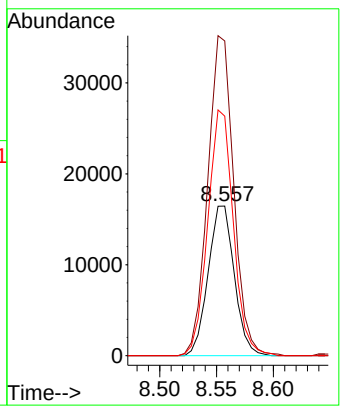


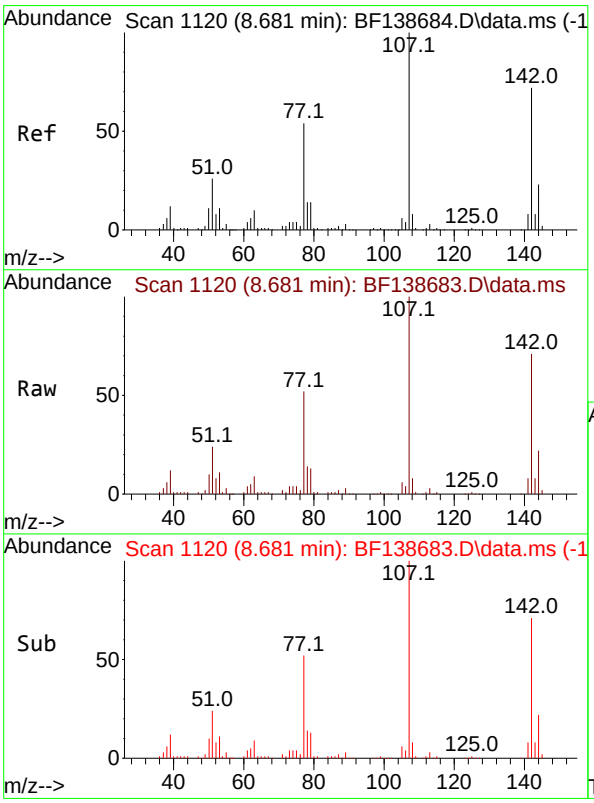
#35
Caprolactam
Concen: 21.333 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

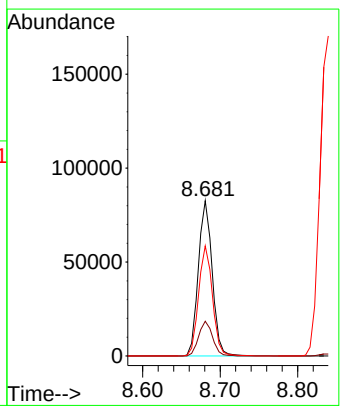


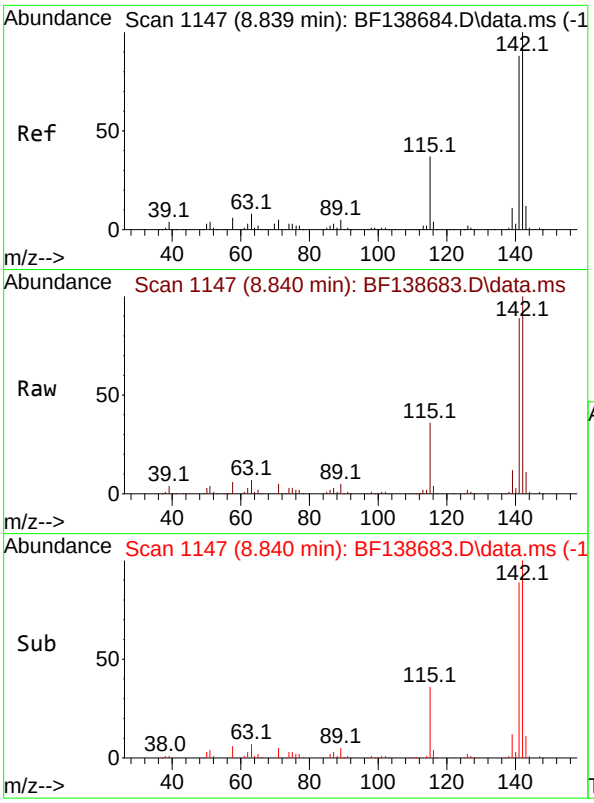


#36
4-Chloro-3-methylphenol
Concen: 21.794 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



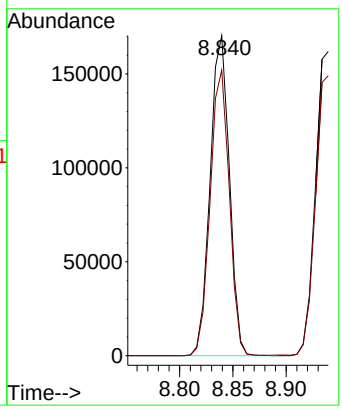


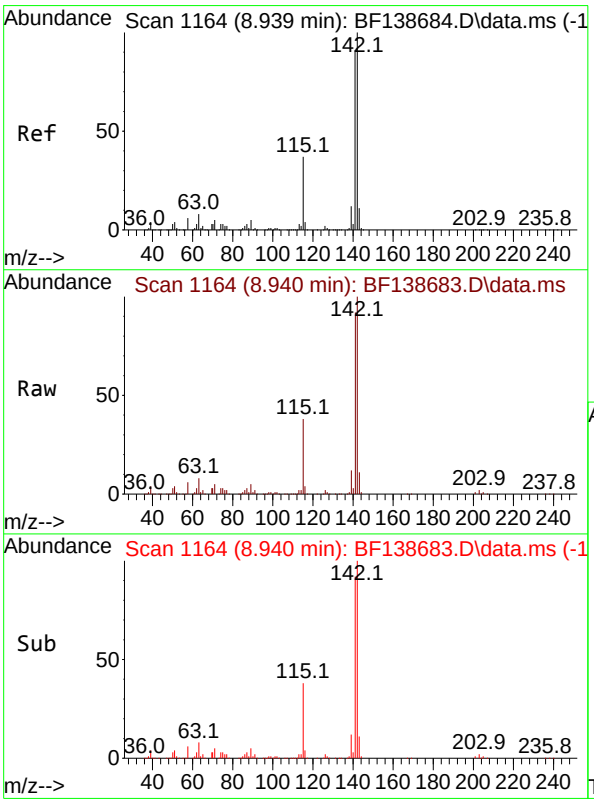
#37
2-Methylnaphthalene
Concen: 21.323 ng
RT: 8.840 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 213210

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2

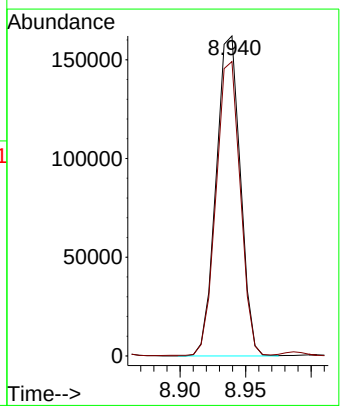


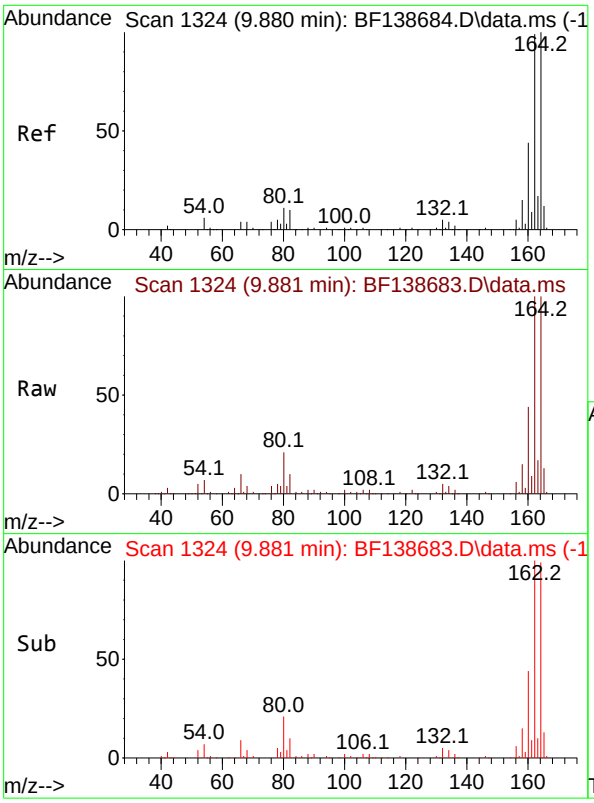


#38
1-Methylnaphthalene
Concen: 21.253 ng
RT: 8.940 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

Tgt Ion:142 Resp: 208242

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7



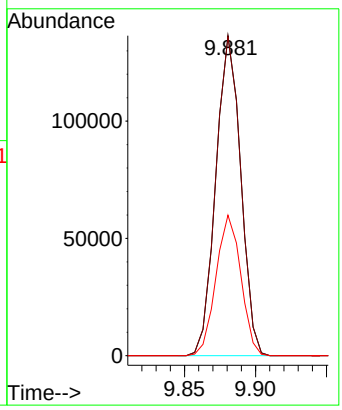


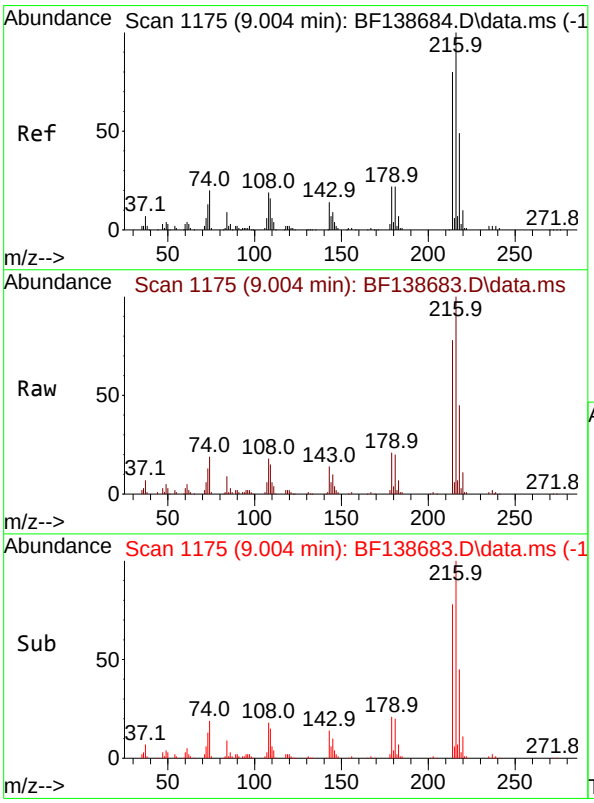
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

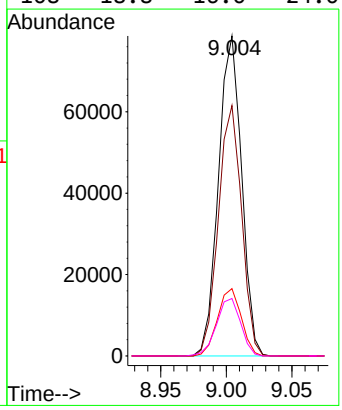


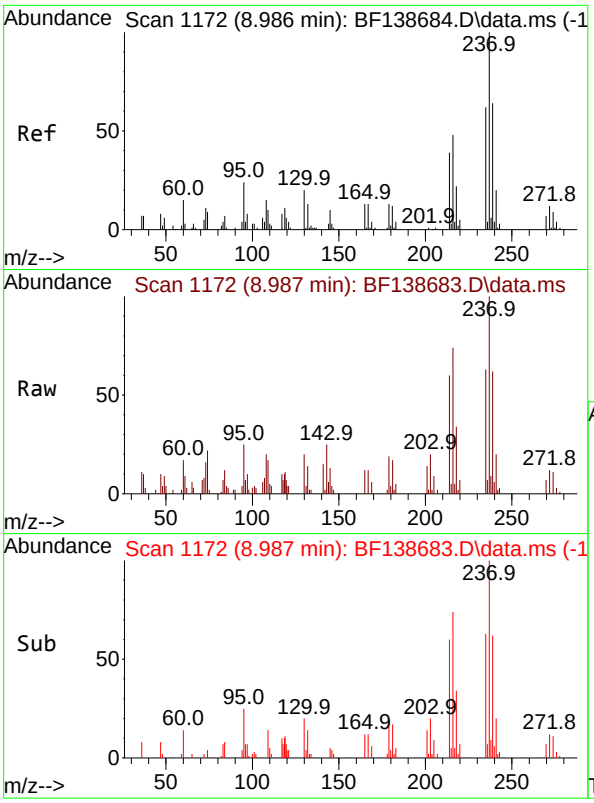


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.924 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



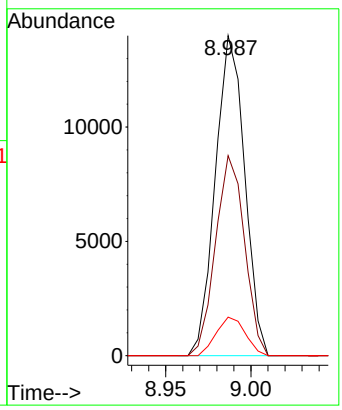


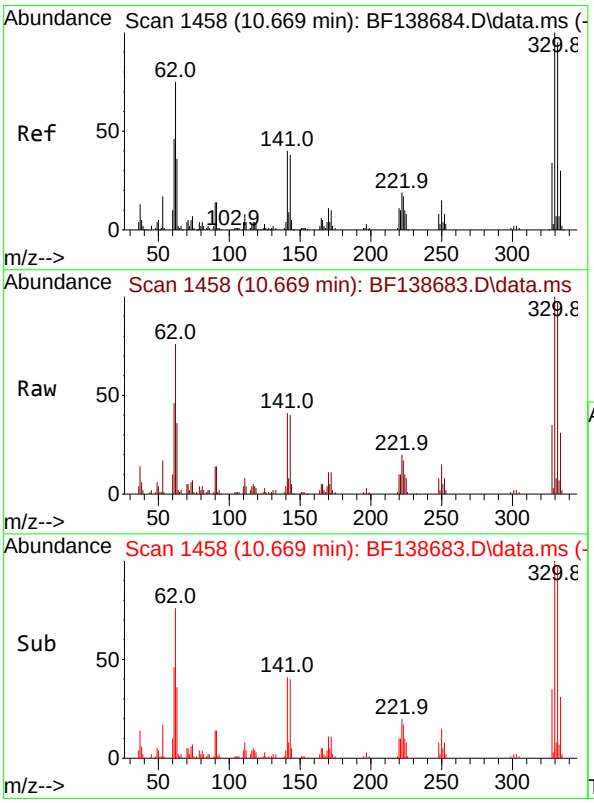
#41
Hexachlorocyclopentadiene
Concen: 19.505 ng
RT: 8.987 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

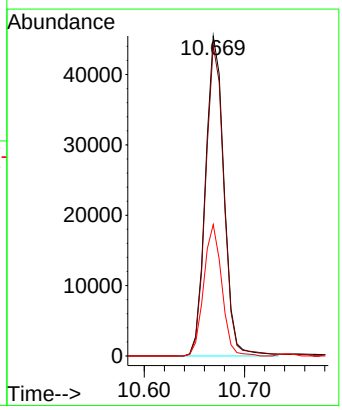


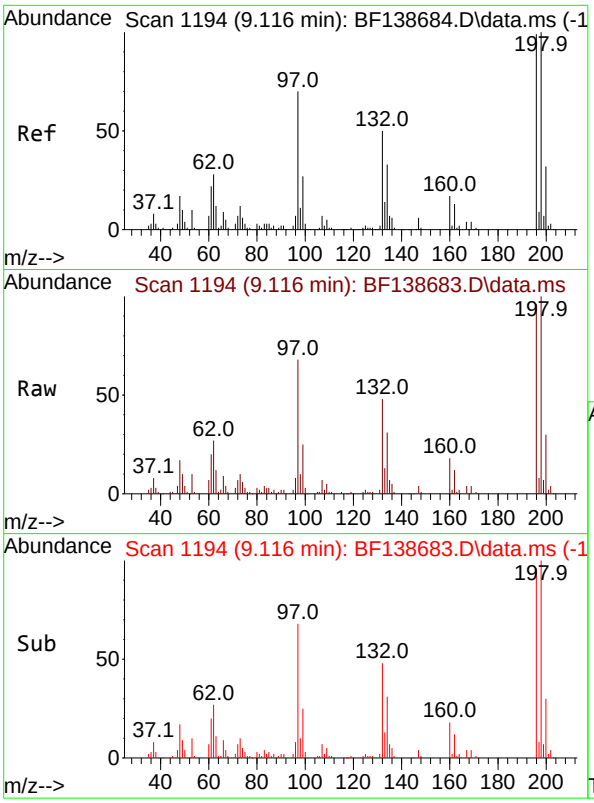


#42
2,4,6-Tribromophenol
Concen: 42.922 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



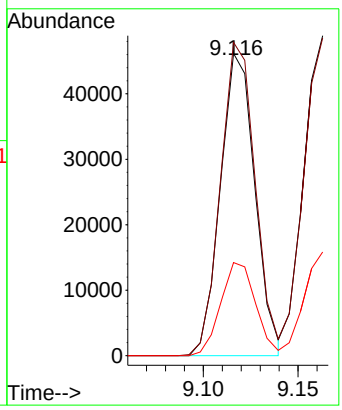


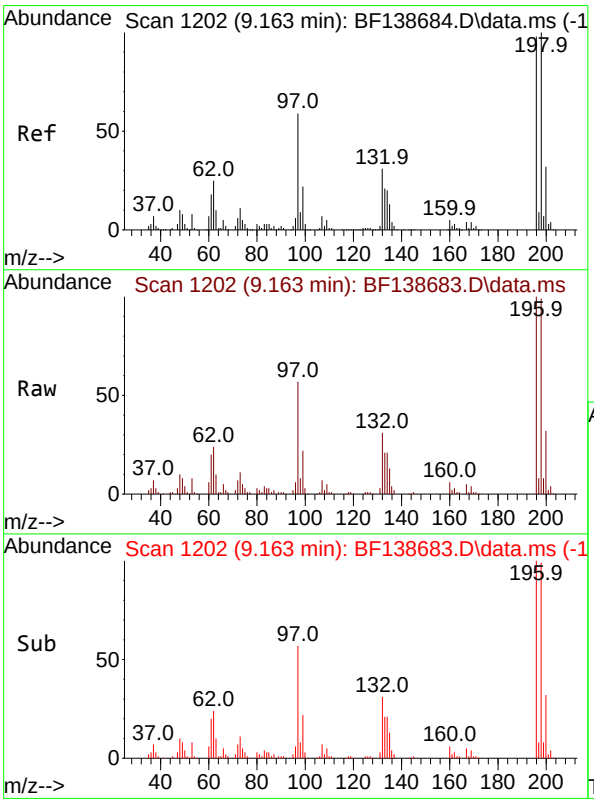
#43
2,4,6-Trichlorophenol
Concen: 20.830 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

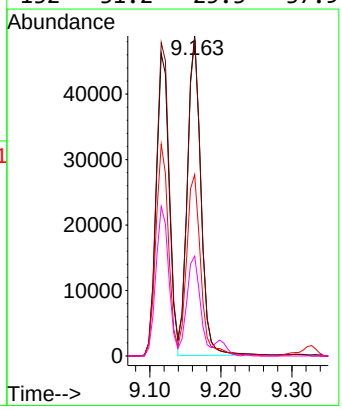


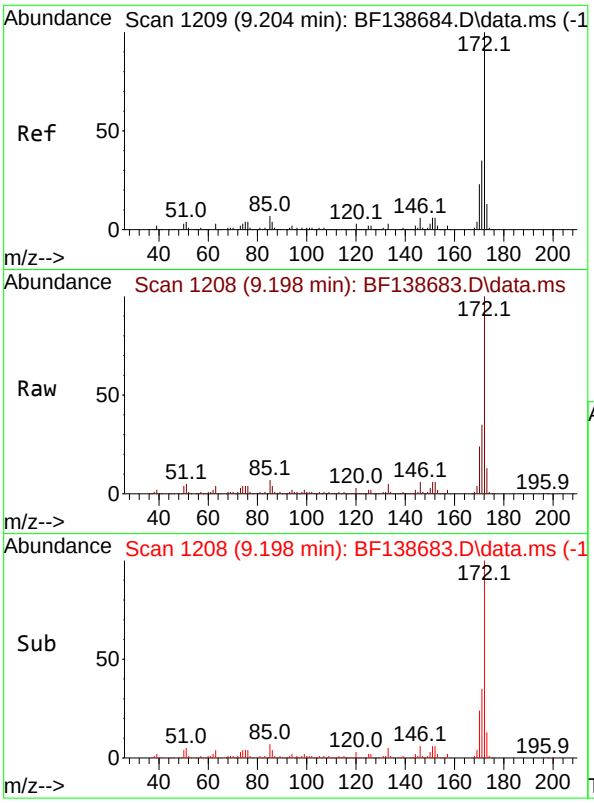


#44
2,4,5-Trichlorophenol
Concen: 20.907 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



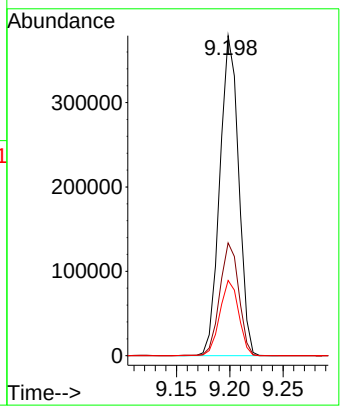


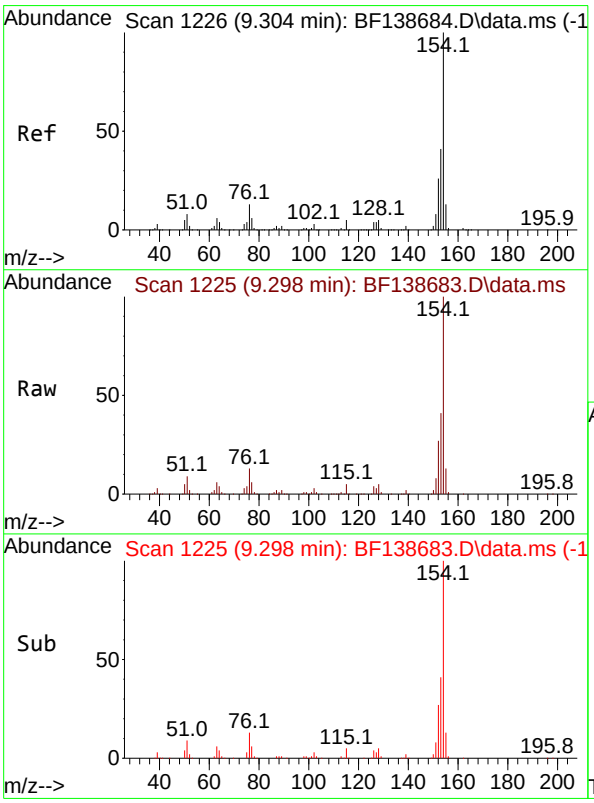
#45
2-Fluorobiphenyl
Concen: 42.138 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

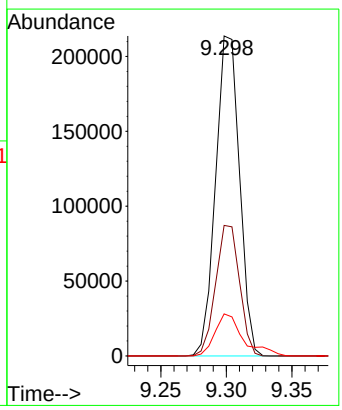


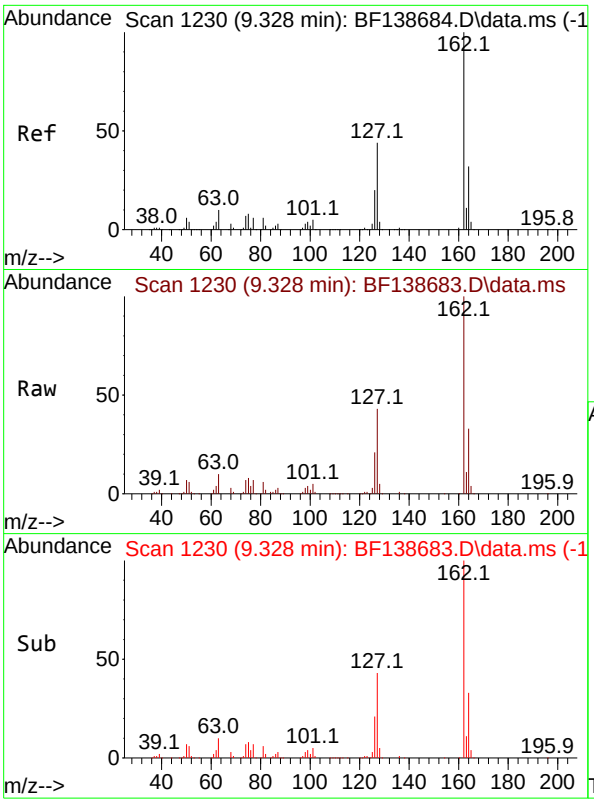


#46
1,1'-Biphenyl
Concen: 20.807 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



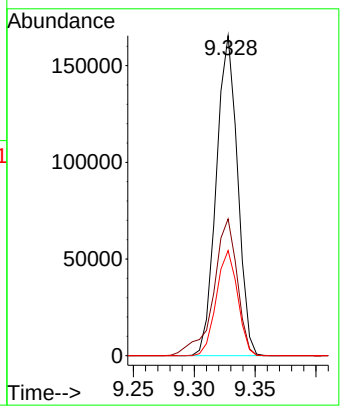


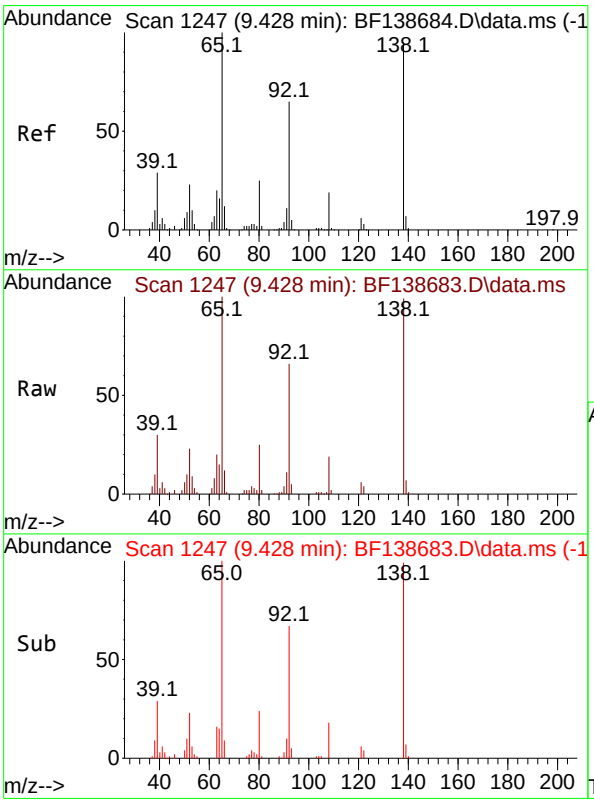
#47
2-Chloronaphthalene
Concen: 20.822 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

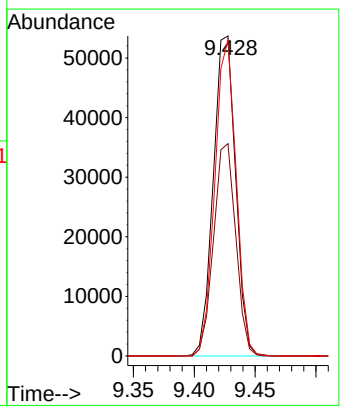


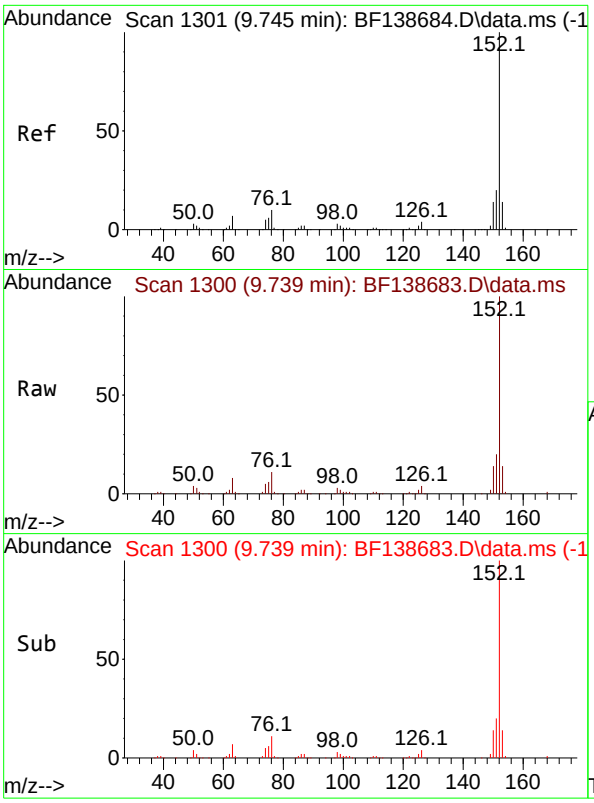


#48
2-Nitroaniline
Concen: 20.943 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



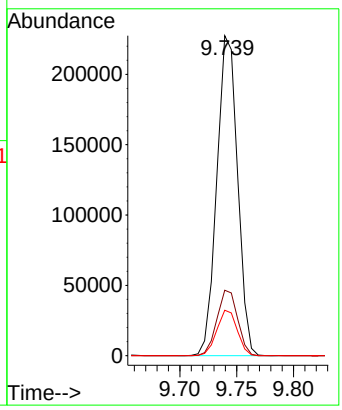


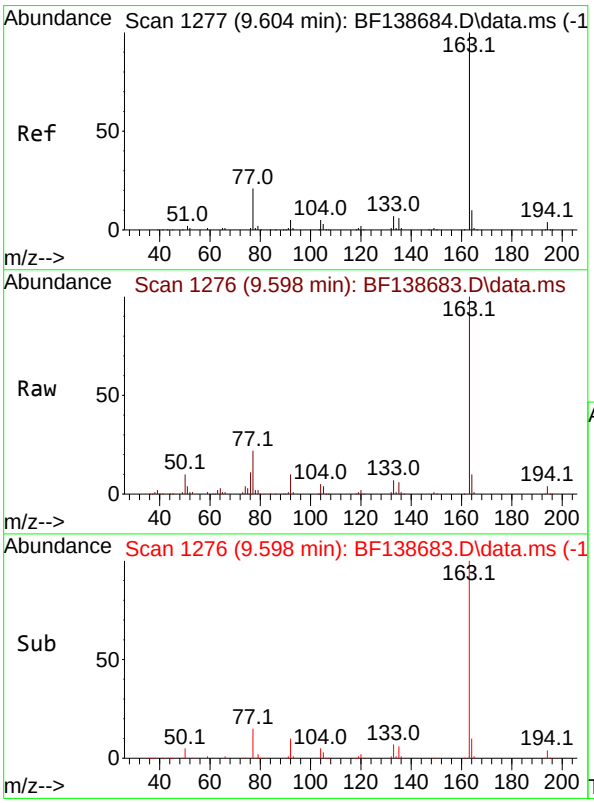
#49
Acenaphthylene
Concen: 21.093 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

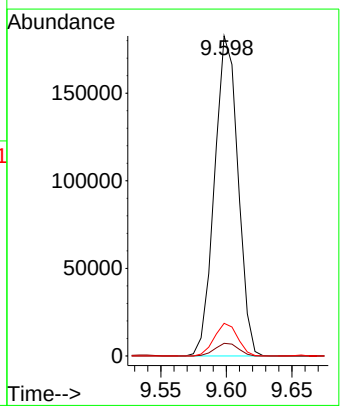


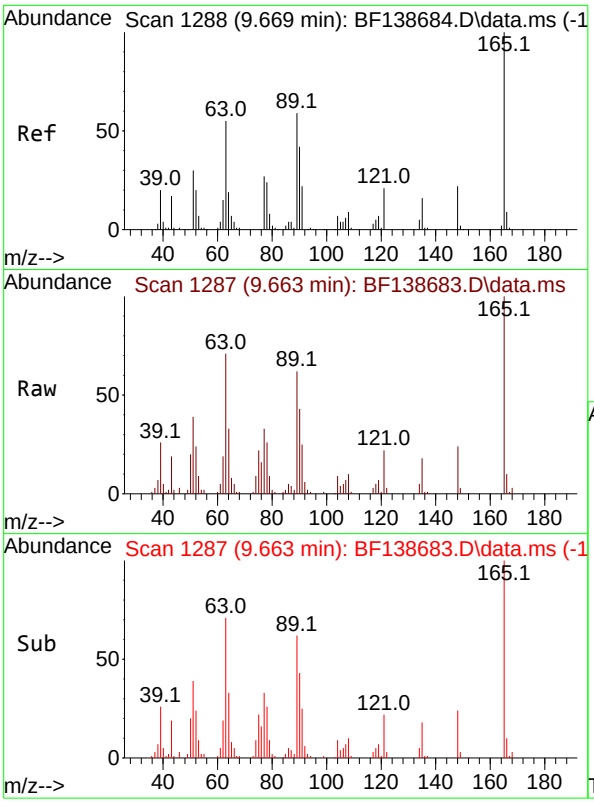


#50
Dimethylphthalate
Concen: 21.376 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



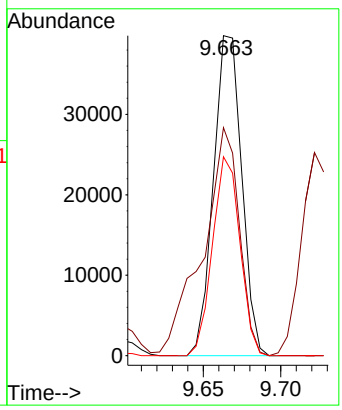


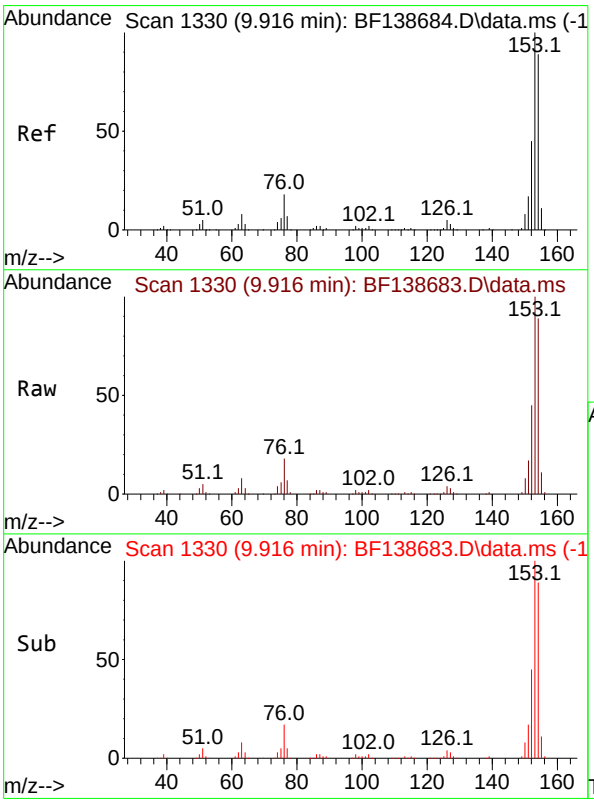
#51
2,6-Dinitrotoluene
Concen: 21.078 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

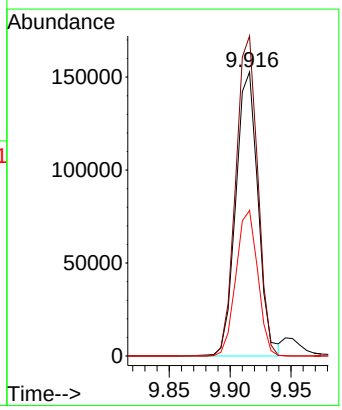


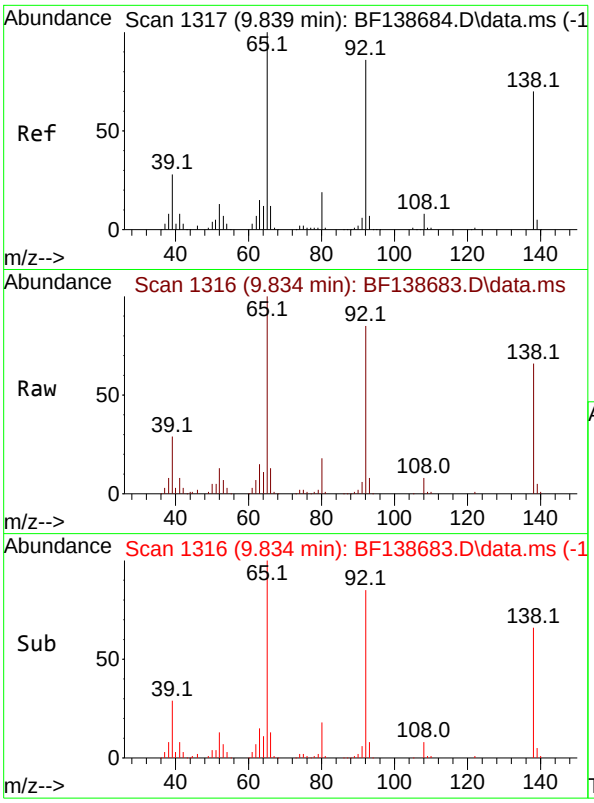


#52
Acenaphthene
Concen: 21.047 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



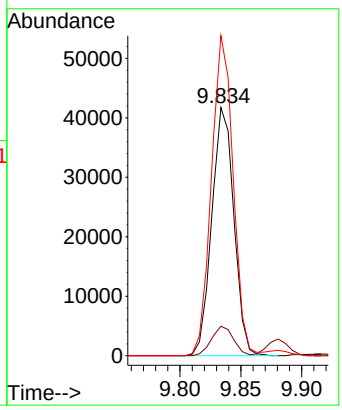


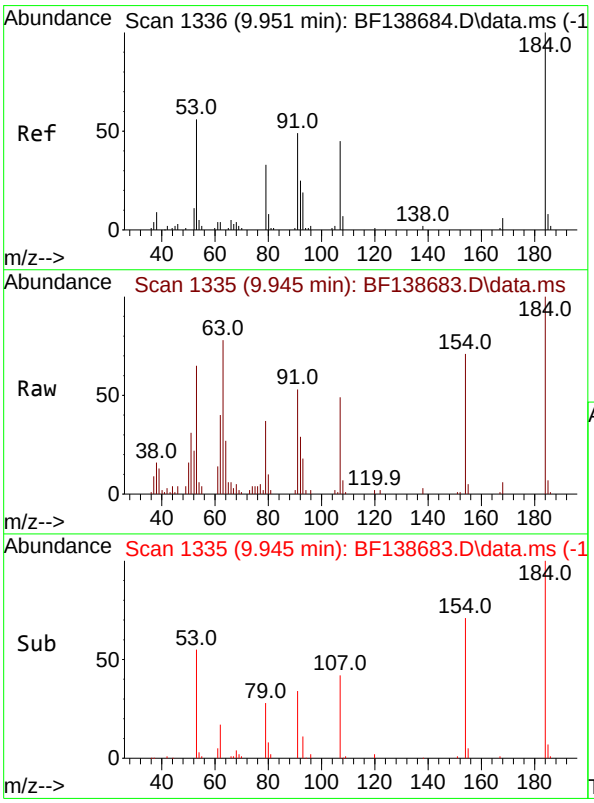
#53
3-Nitroaniline
Concen: 21.244 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

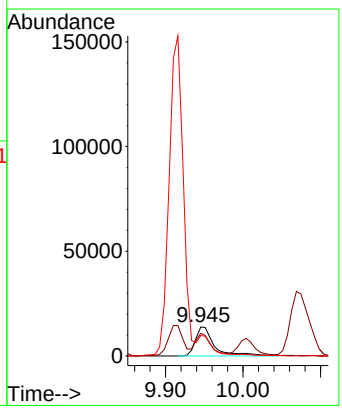


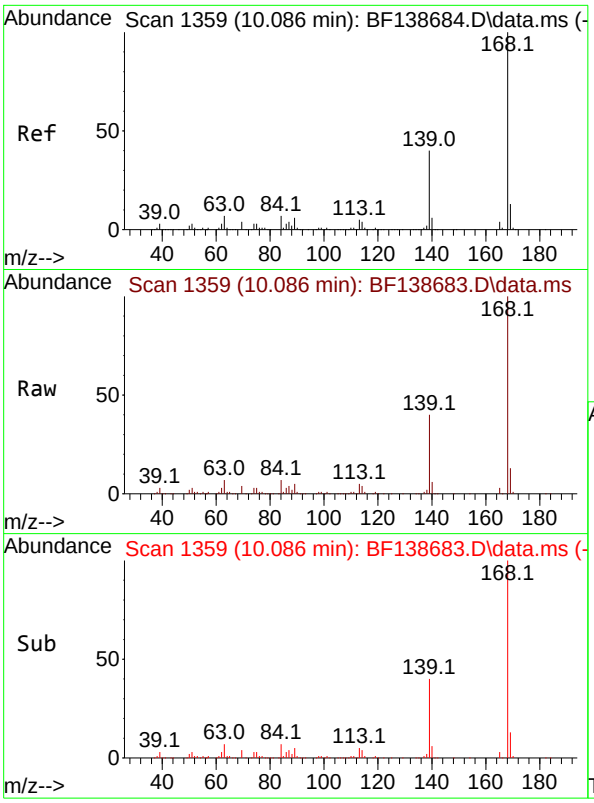


#54
2,4-Dinitrophenol
Concen: 21.374 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



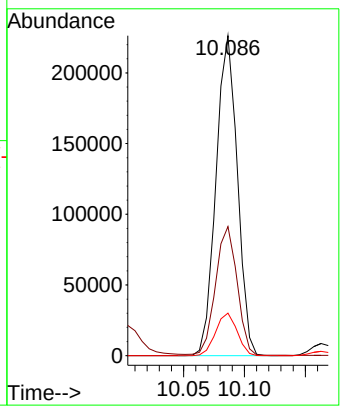


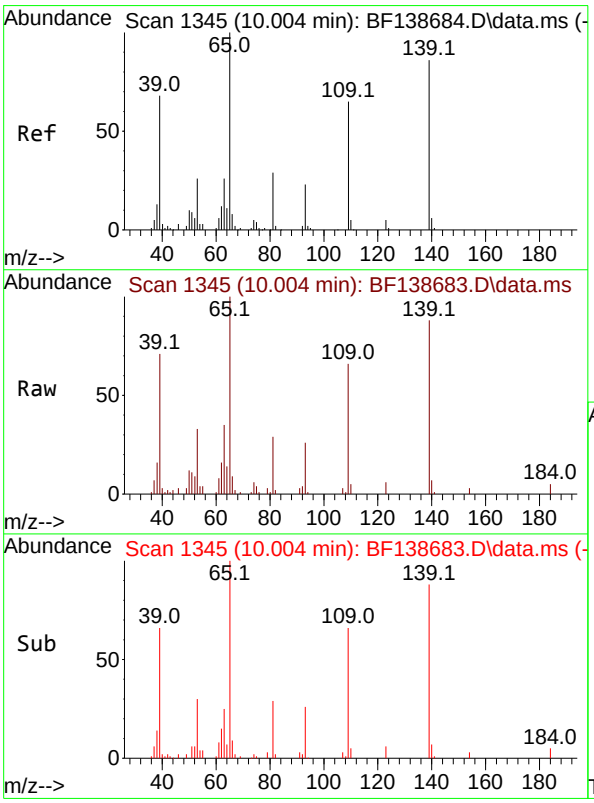
#55
Dibenzofuran
Concen: 21.249 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

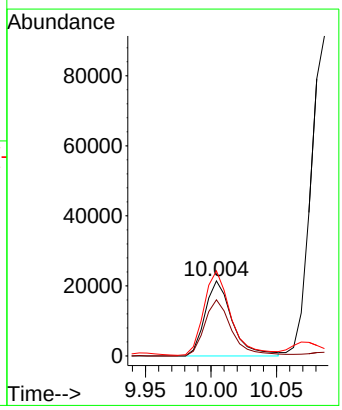


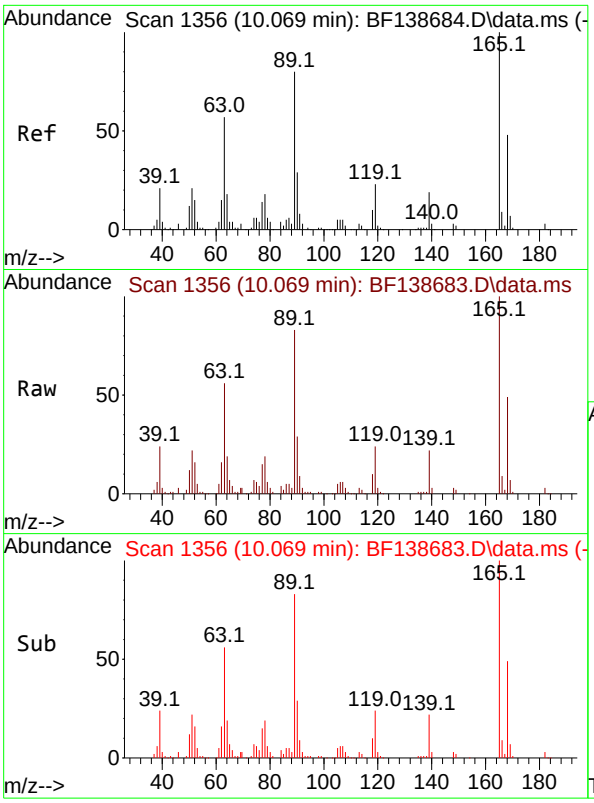


#56
4-Nitrophenol
Concen: 20.745 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



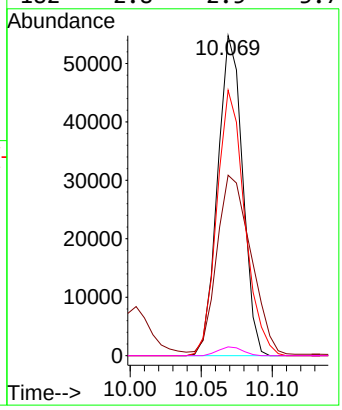


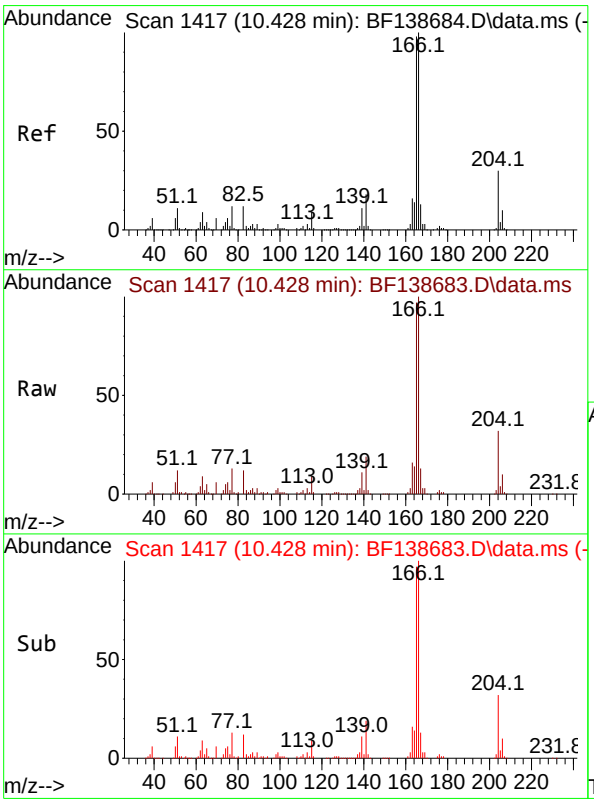
#57
2,4-Dinitrotoluene
Concen: 21.832 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

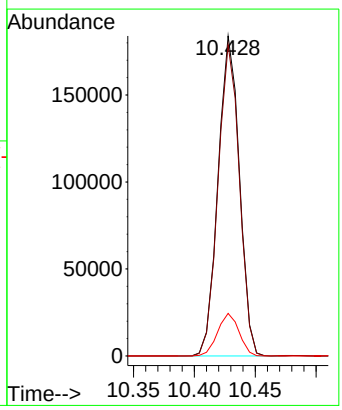


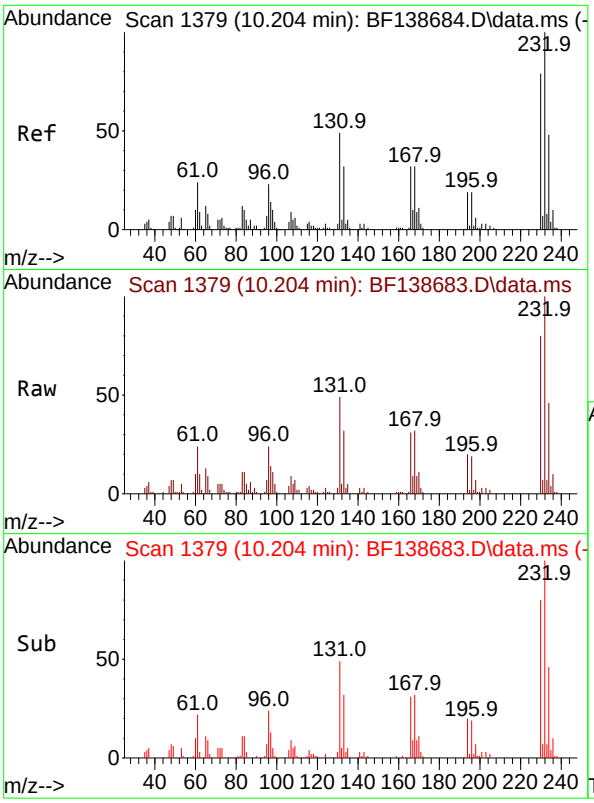


#58
Fluorene
Concen: 21.646 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



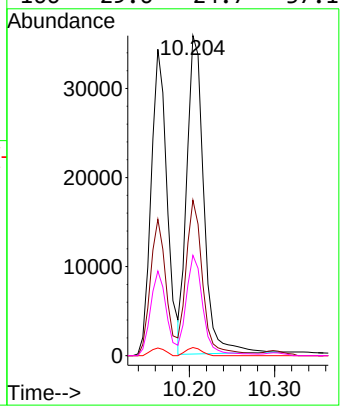


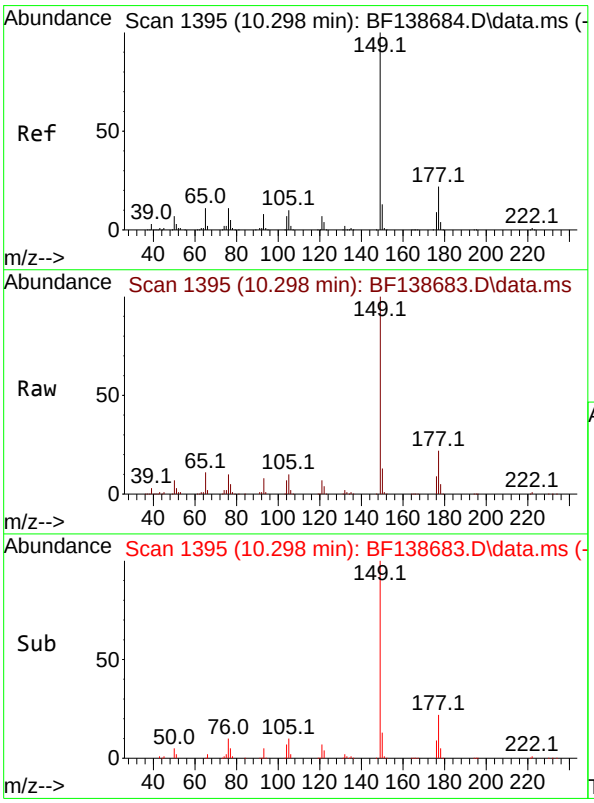
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.005 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

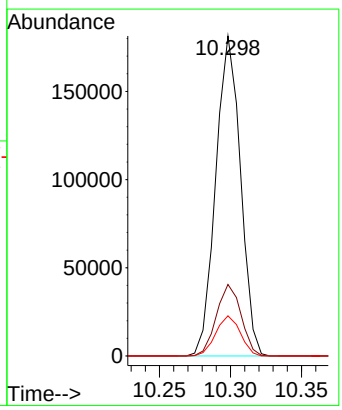


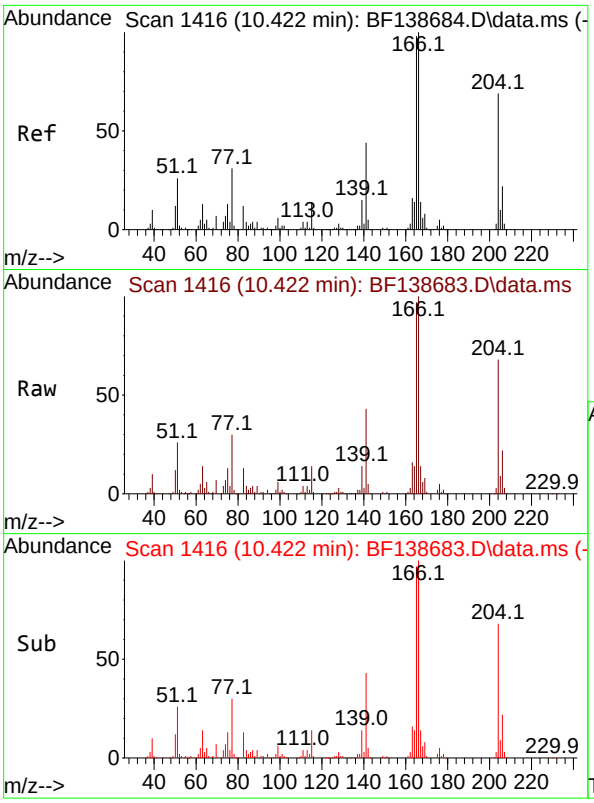


#60
Diethylphthalate
Concen: 21.793 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



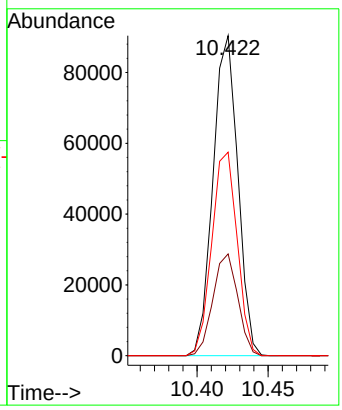


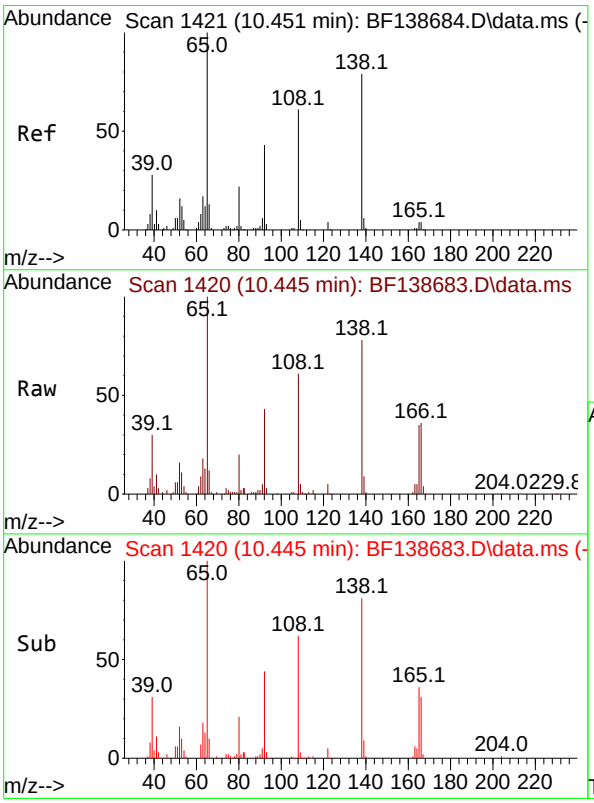
#61
4-Chlorophenyl-phenylether
Concen: 21.552 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

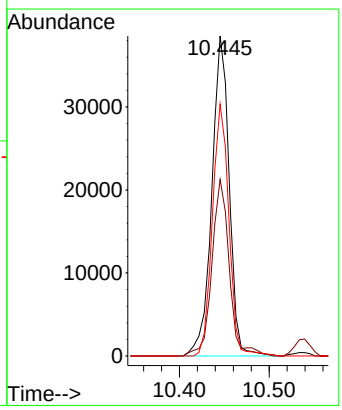


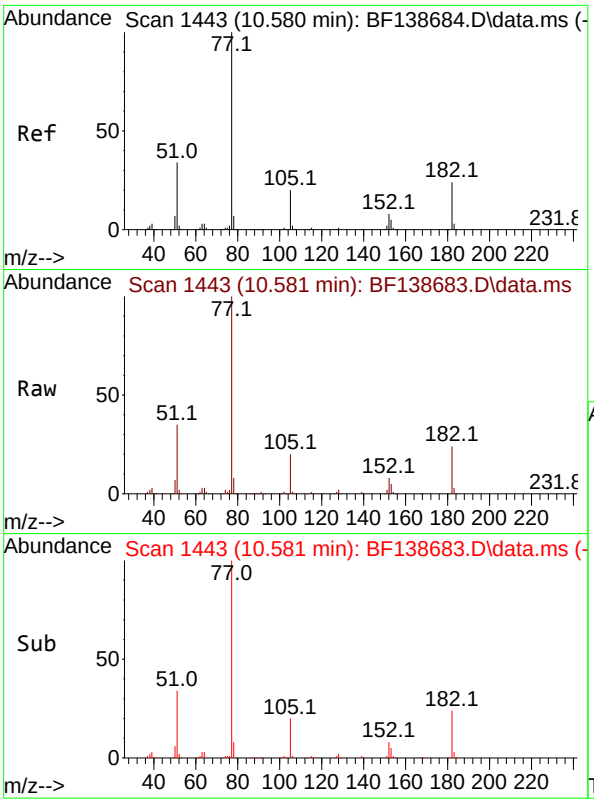


#62
4-Nitroaniline
Concen: 22.077 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



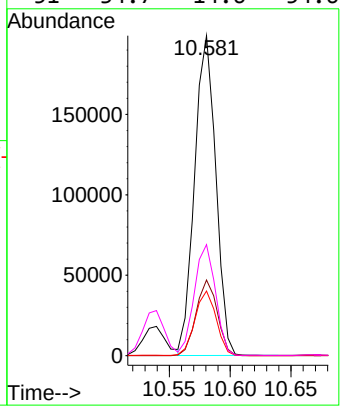


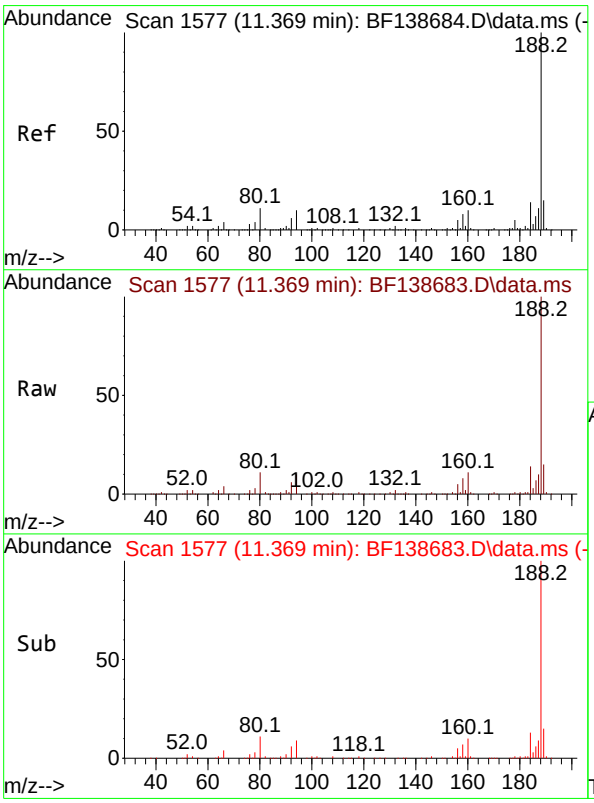
#63
Azobenzene
Concen: 21.566 ng
RT: 10.581 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

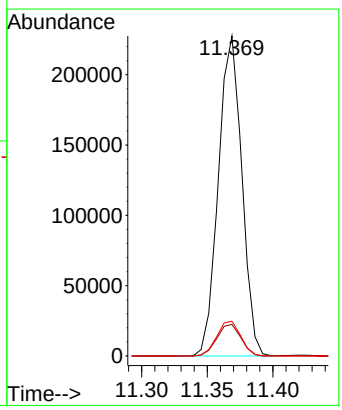


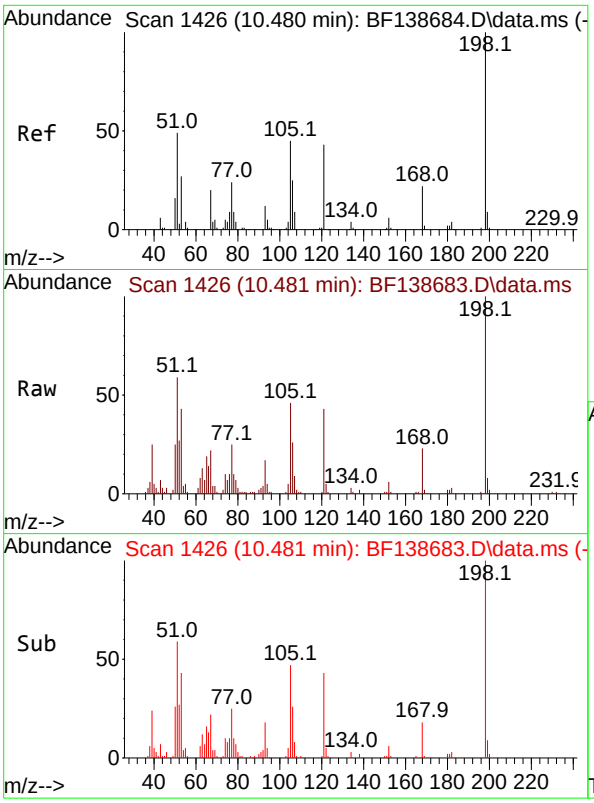


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



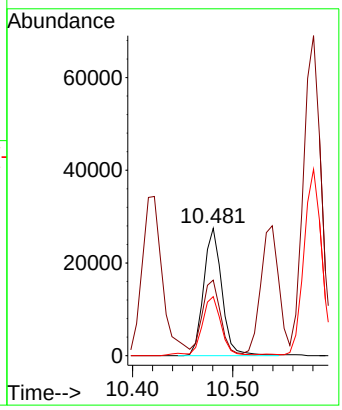


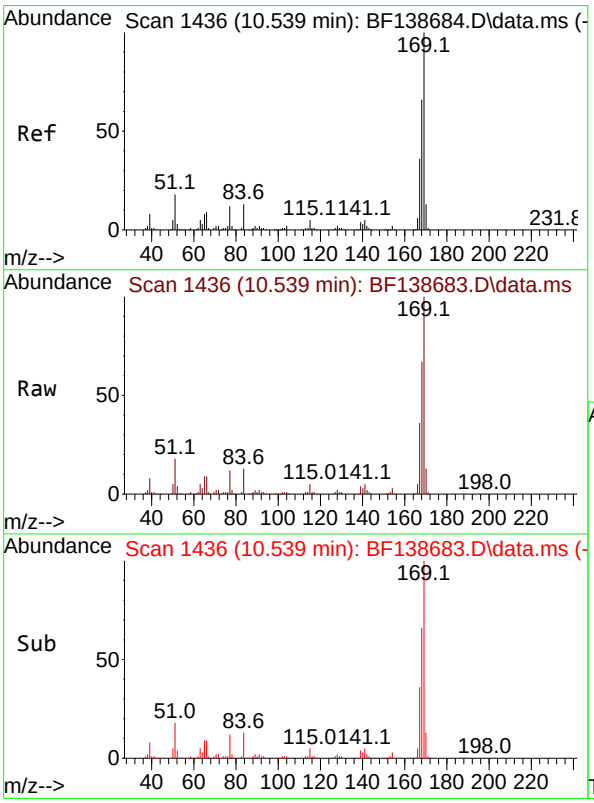
#65
4,6-Dinitro-2-methylphenol
Concen: 20.206 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

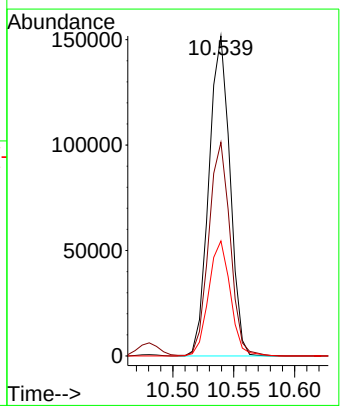


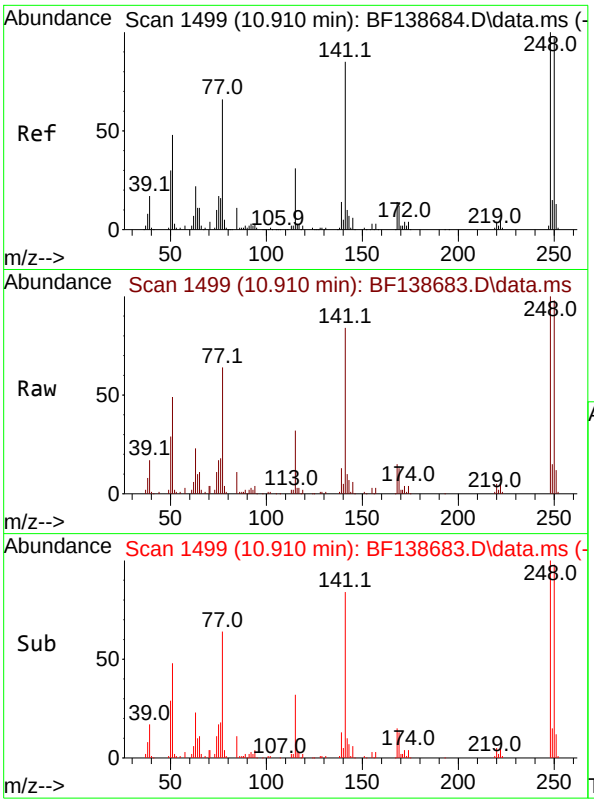


#66
n-Nitrosodiphenylamine
Concen: 20.636 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



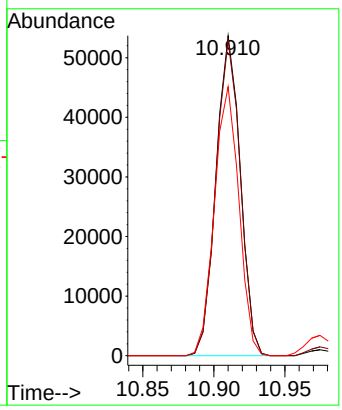


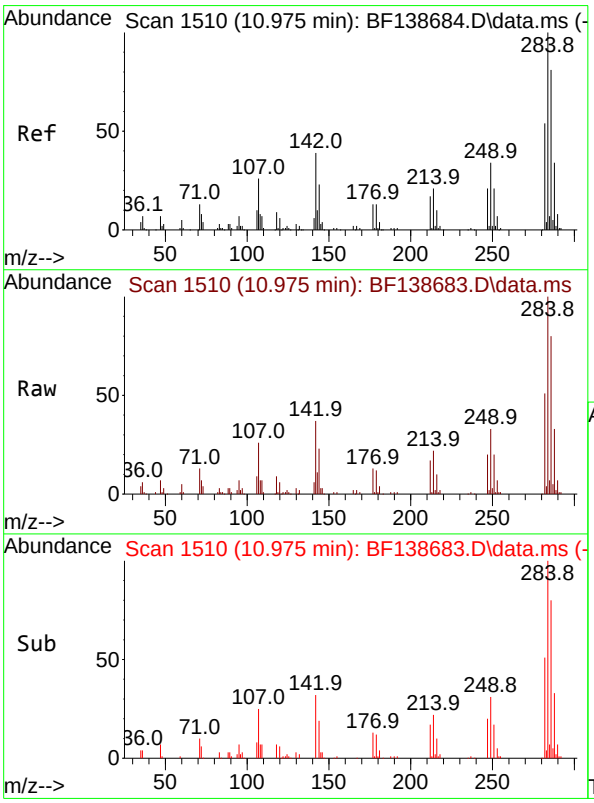
#67
4-Bromophenyl-phenylether
Concen: 20.903 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

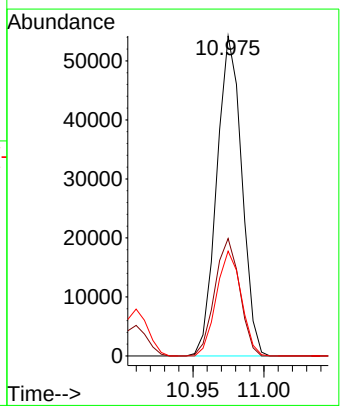


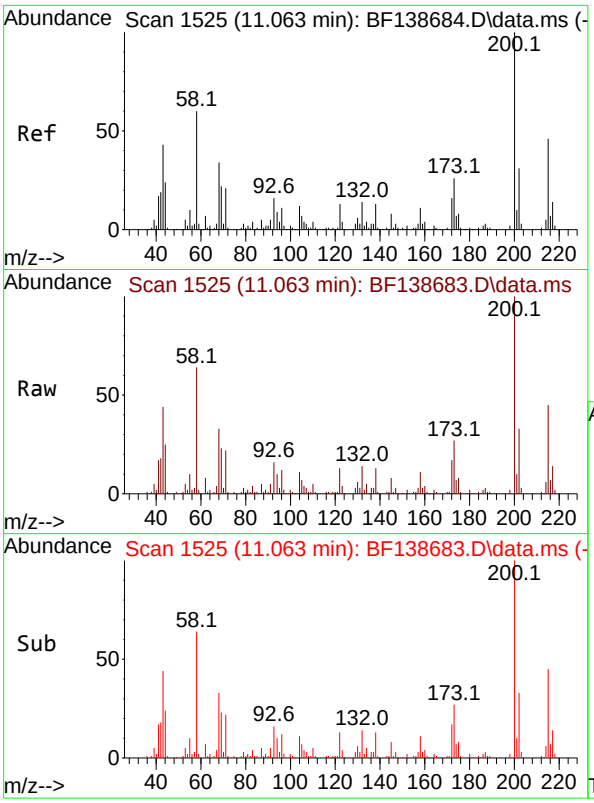


#68
Hexachlorobenzene
Concen: 20.966 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



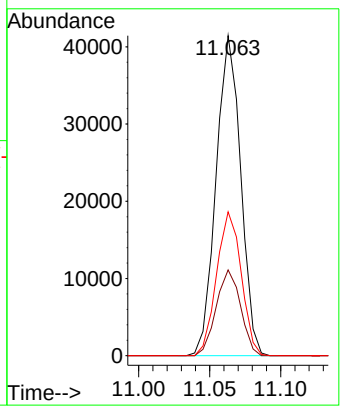


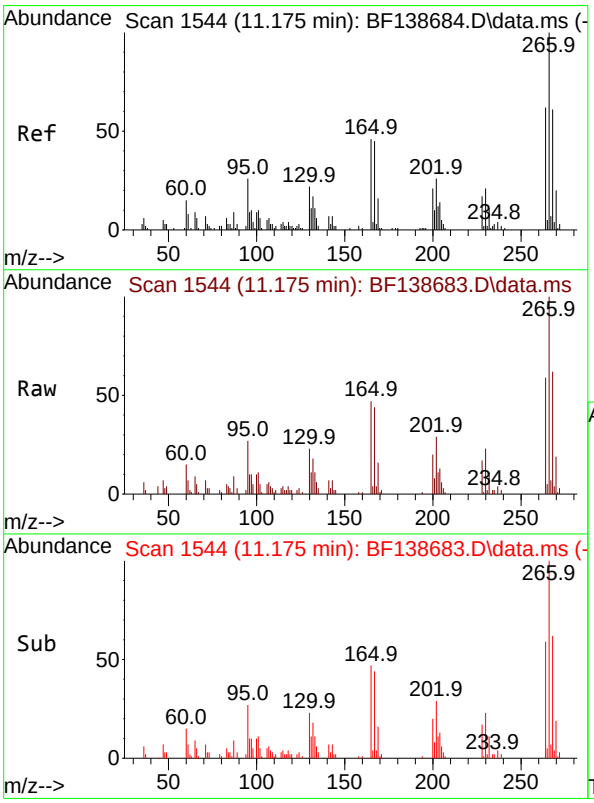
#69
Atrazine
Concen: 21.847 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

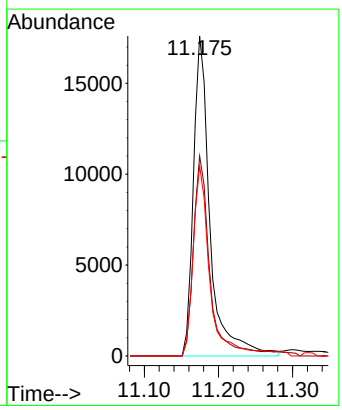


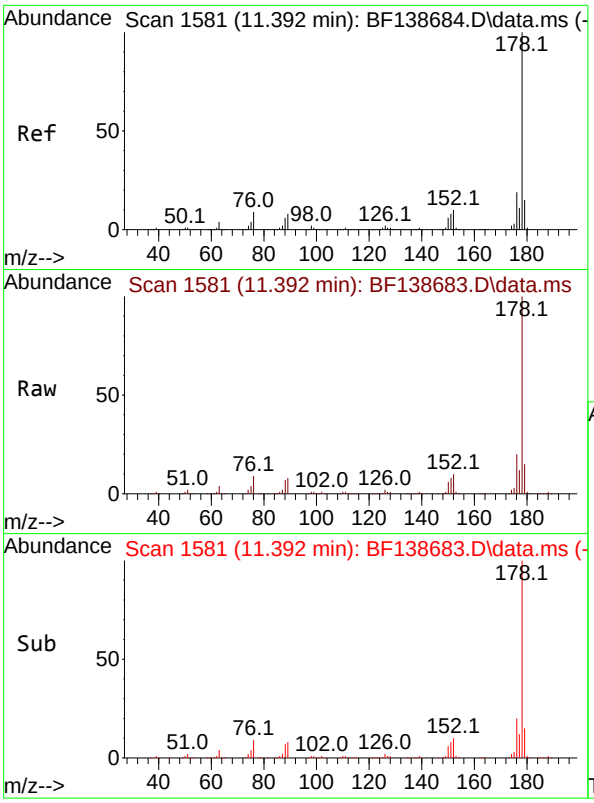


#70
Pentachlorophenol
Concen: 19.263 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



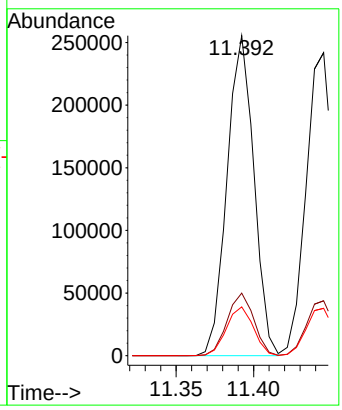


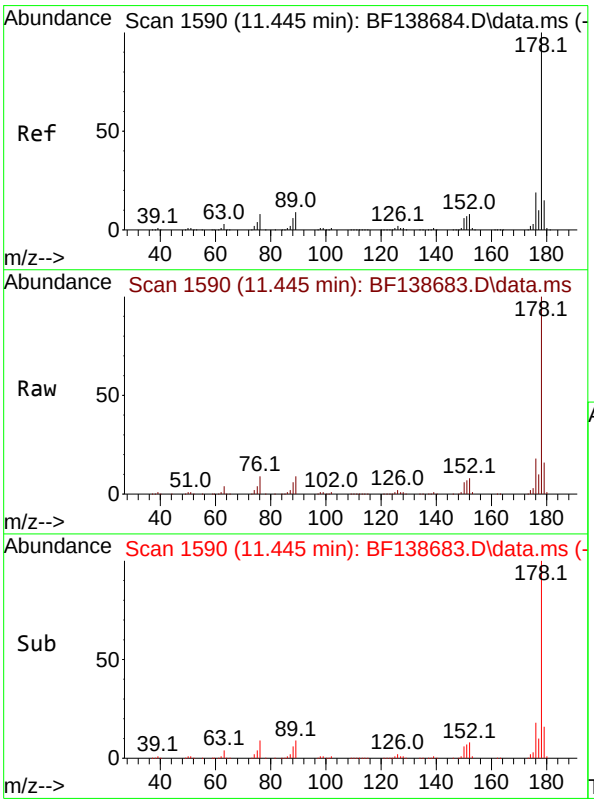
#71
Phenanthrene
Concen: 21.117 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

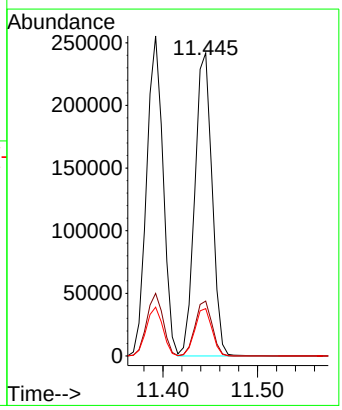


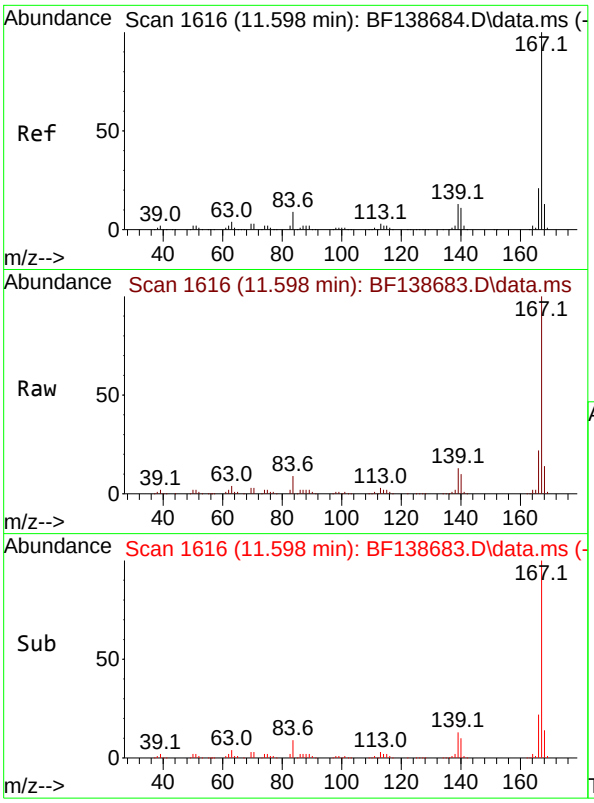


#72
Anthracene
Concen: 21.256 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



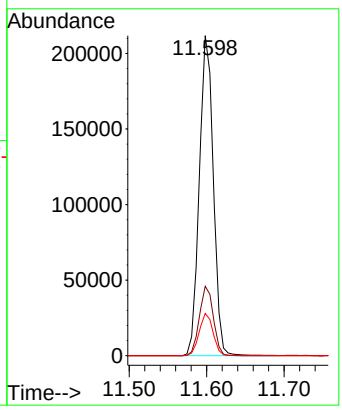


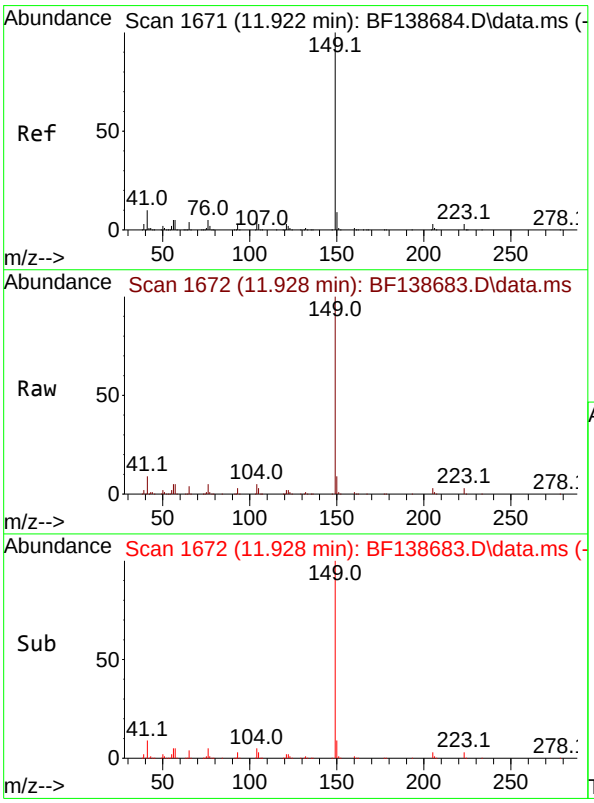
#73
Carbazole
Concen: 21.474 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

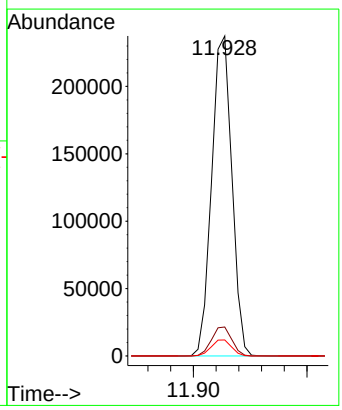


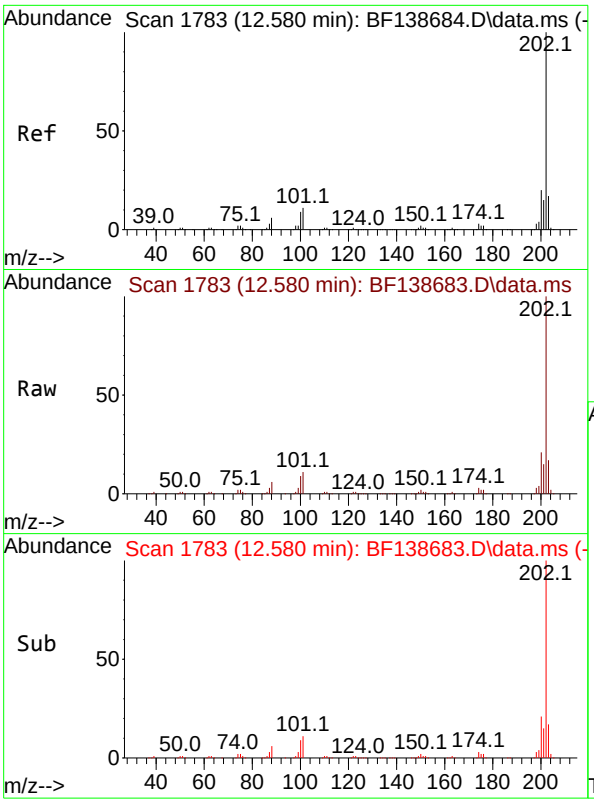


#74
Di-n-butylphthalate
Concen: 21.131 ng
RT: 11.928 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



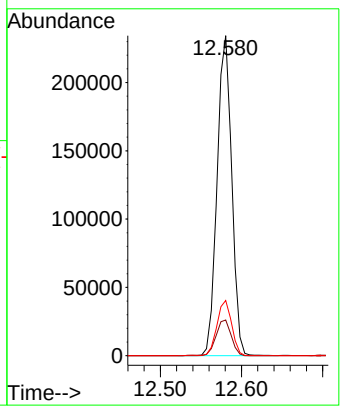


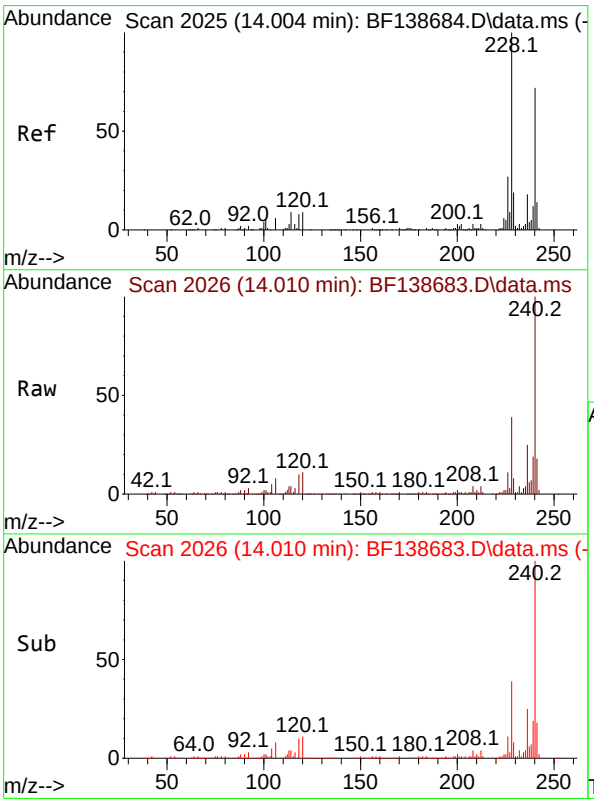
#75
Fluoranthene
Concen: 21.613 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

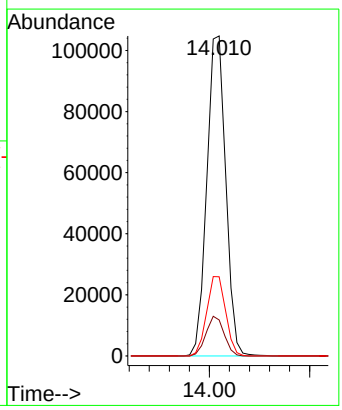


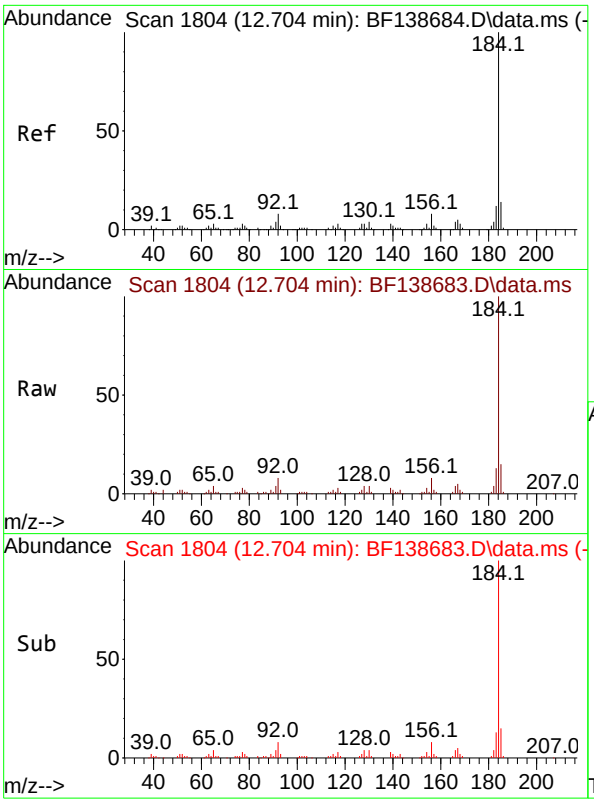


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



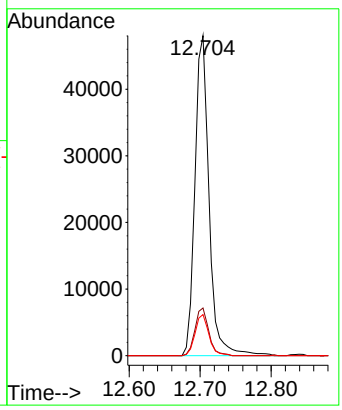


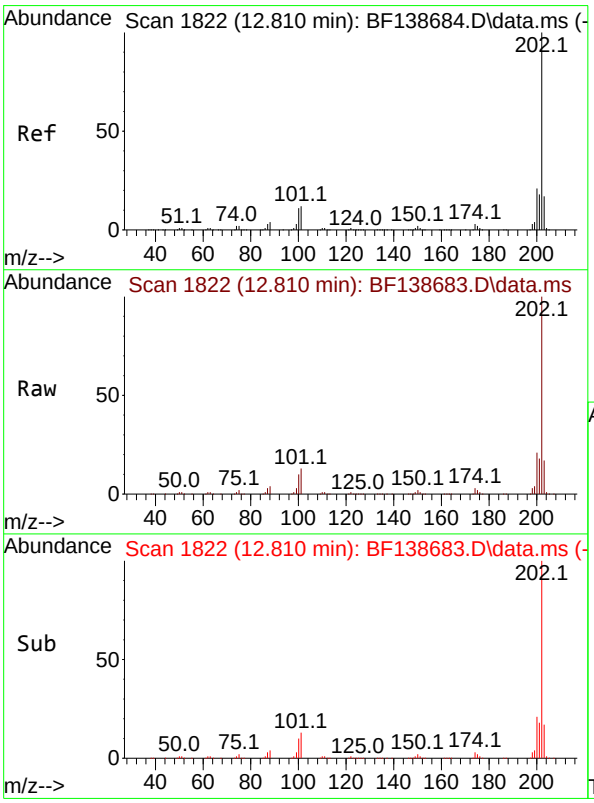
#77
Benzidine
Concen: 20.254 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

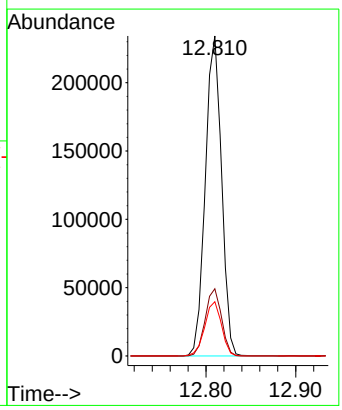


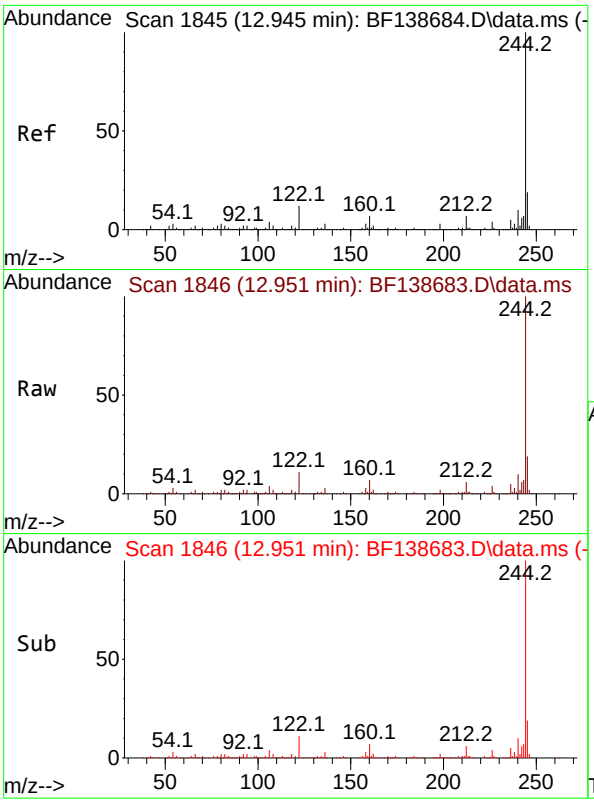


#78
Pyrene
Concen: 22.728 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



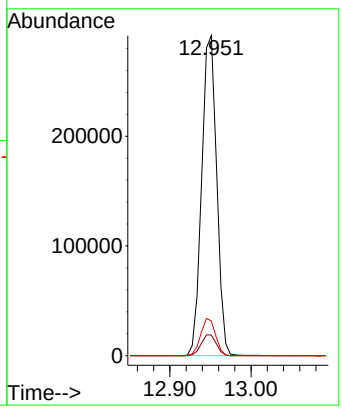


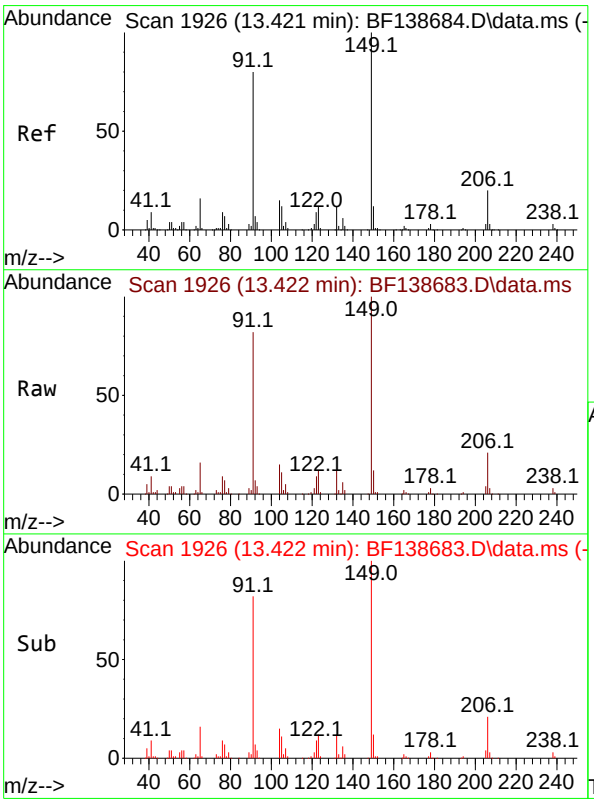
#79
Terphenyl-d14
Concen: 45.593 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

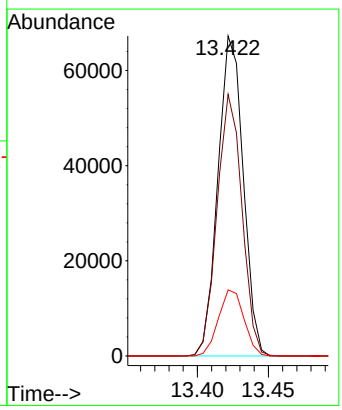


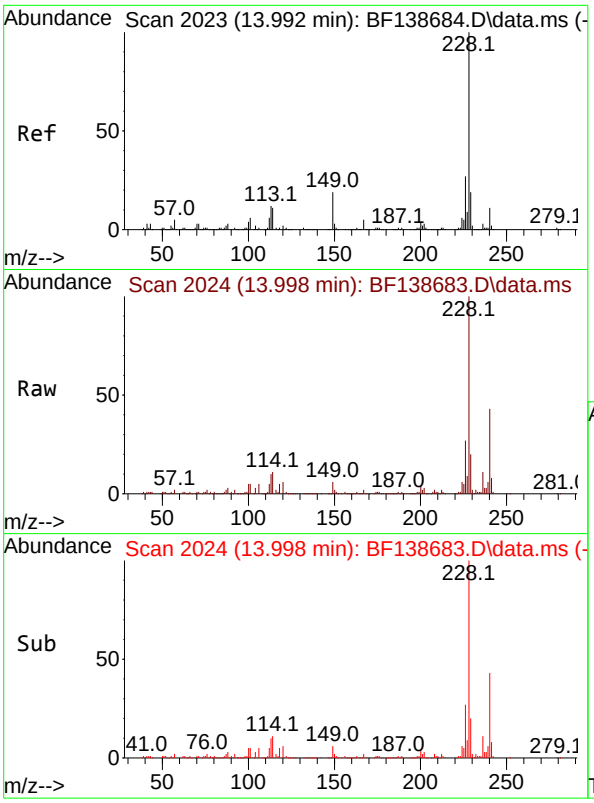


#80
Butylbenzylphthalate
Concen: 20.074 ng
RT: 13.422 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



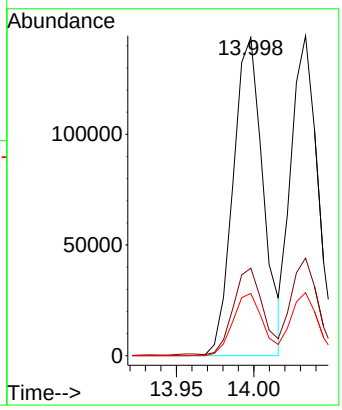


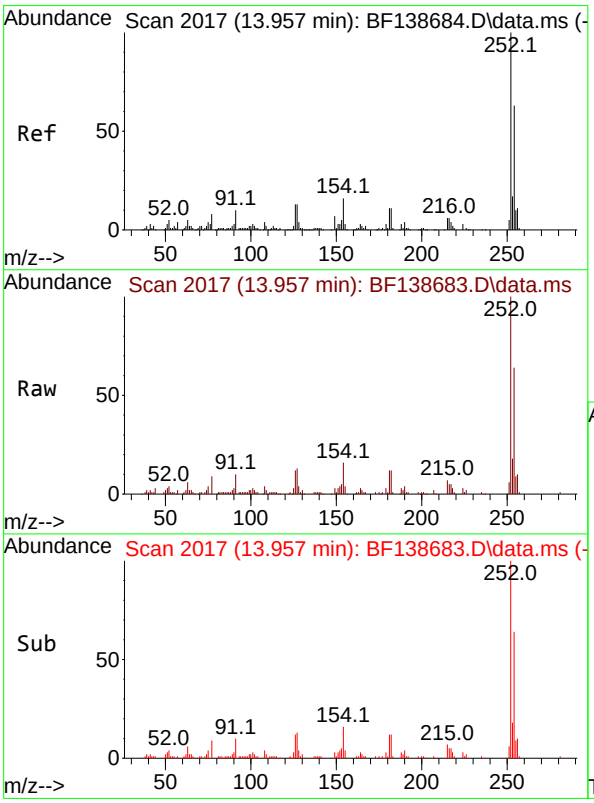
#81
Benzo(a)anthracene
Concen: 20.469 ng
RT: 13.998 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

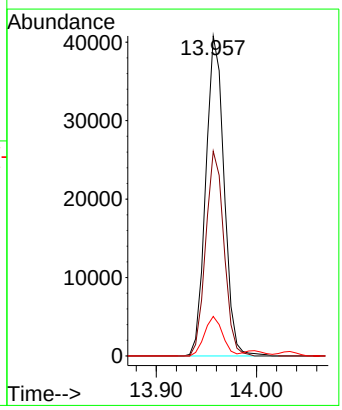


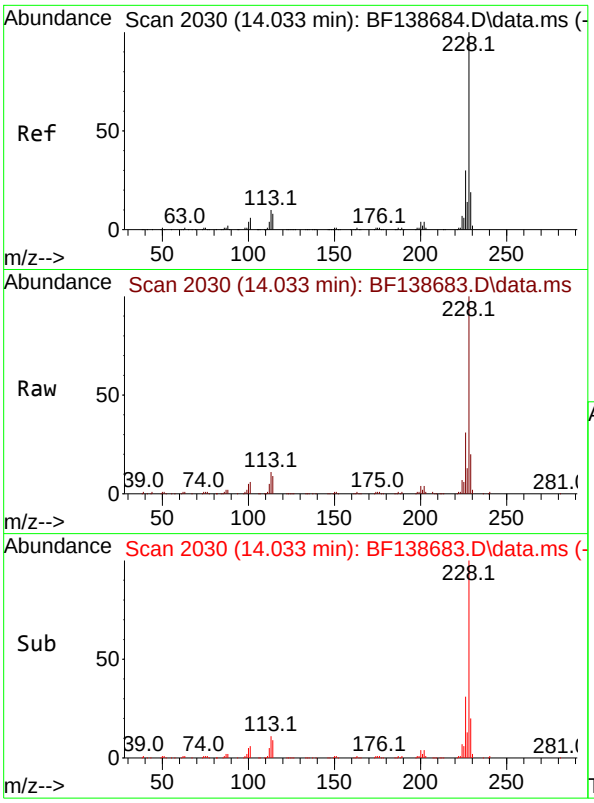


#82
3,3'-Dichlorobenzidine
Concen: 21.412 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



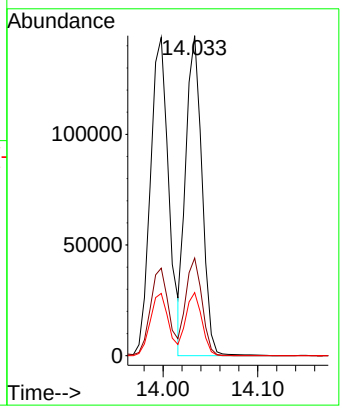


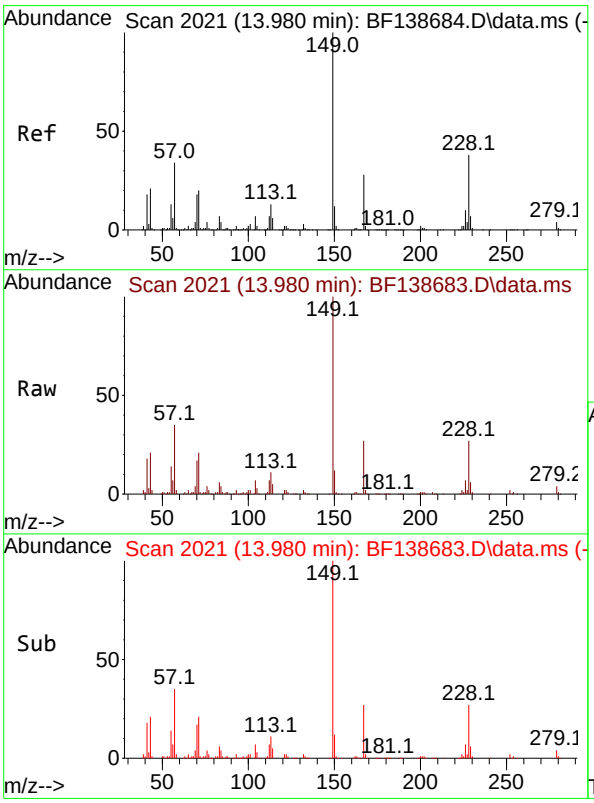
#83
Chrysene
Concen: 20.285 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

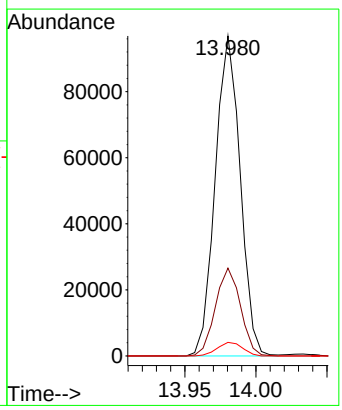


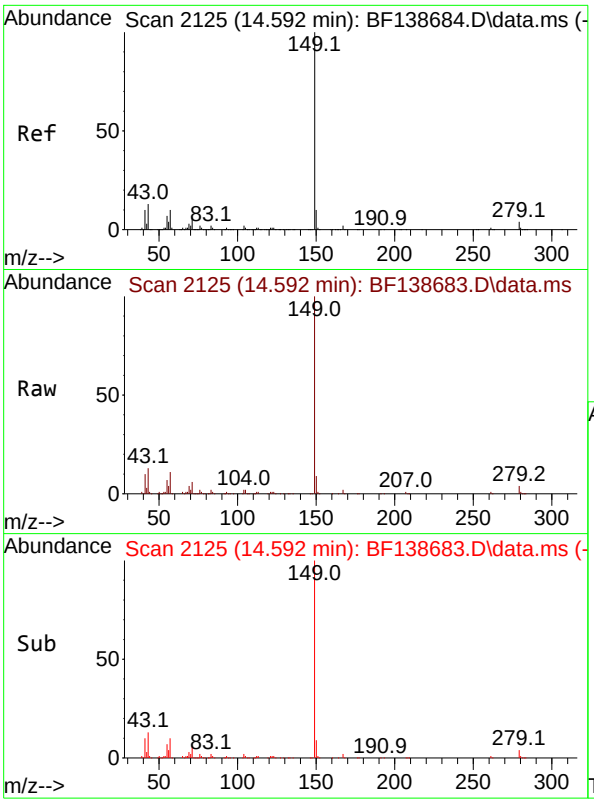


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.500 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



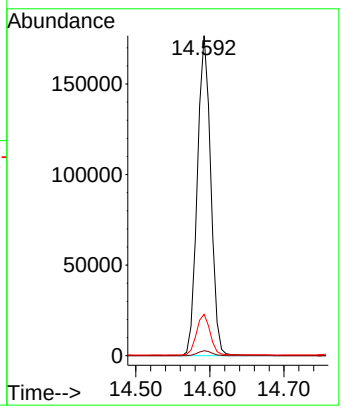


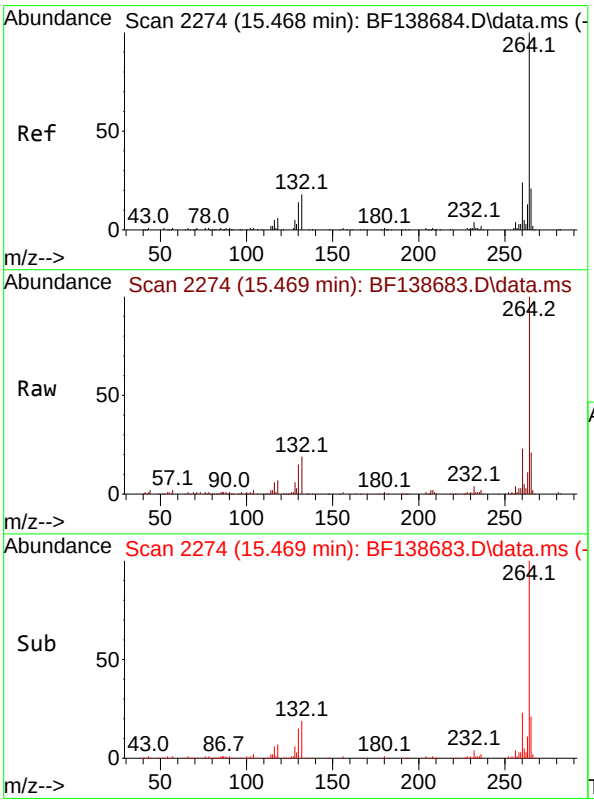
#85
Di-n-octyl phthalate
Concen: 19.758 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

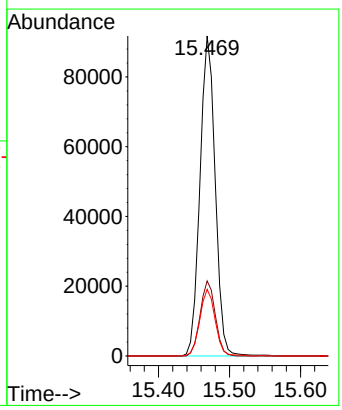


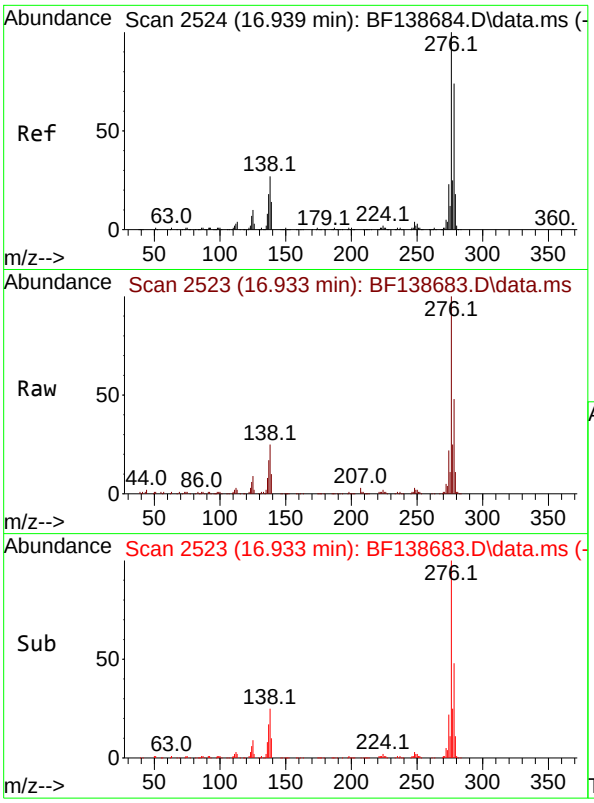


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.469 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



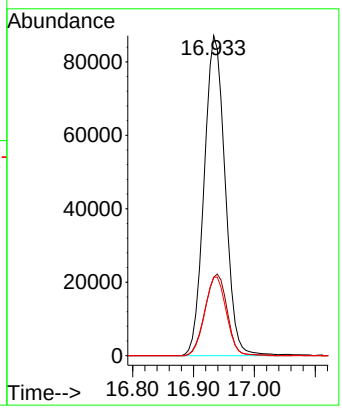


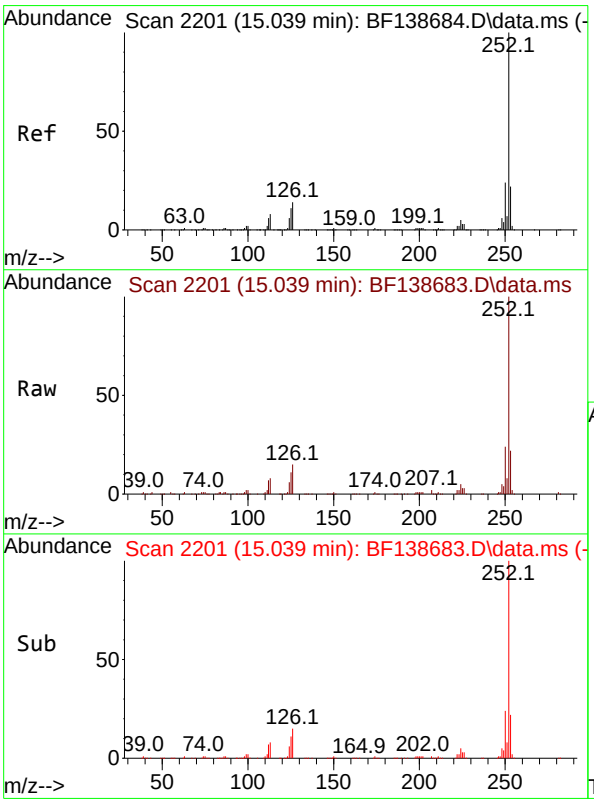
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.168 ng
RT: 16.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

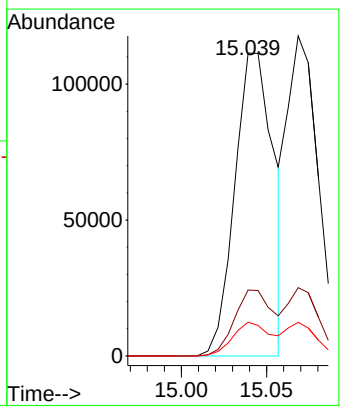


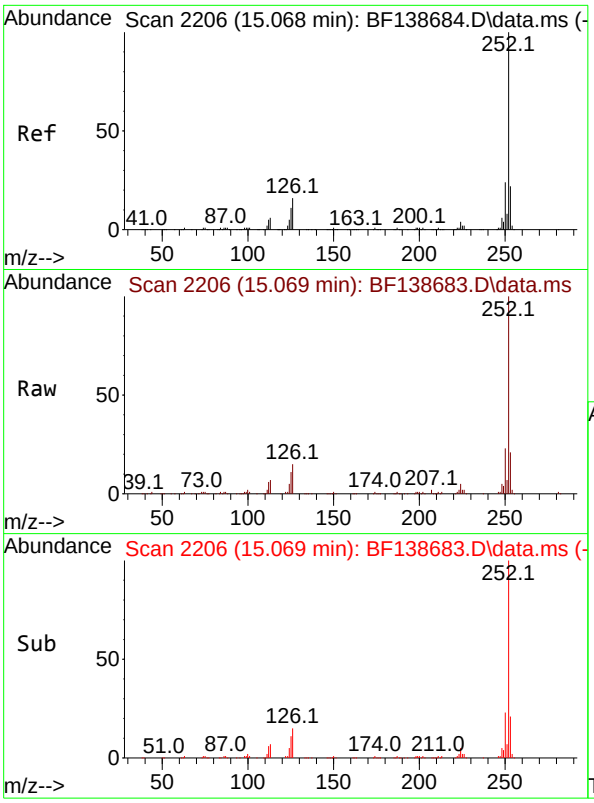


#88
Benzo(b)fluoranthene
Concen: 20.755 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



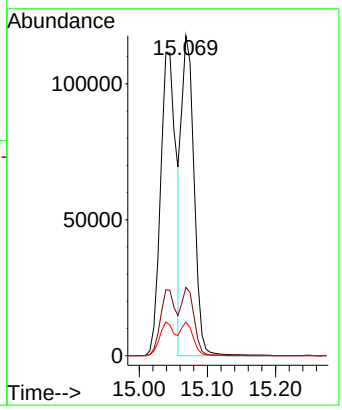


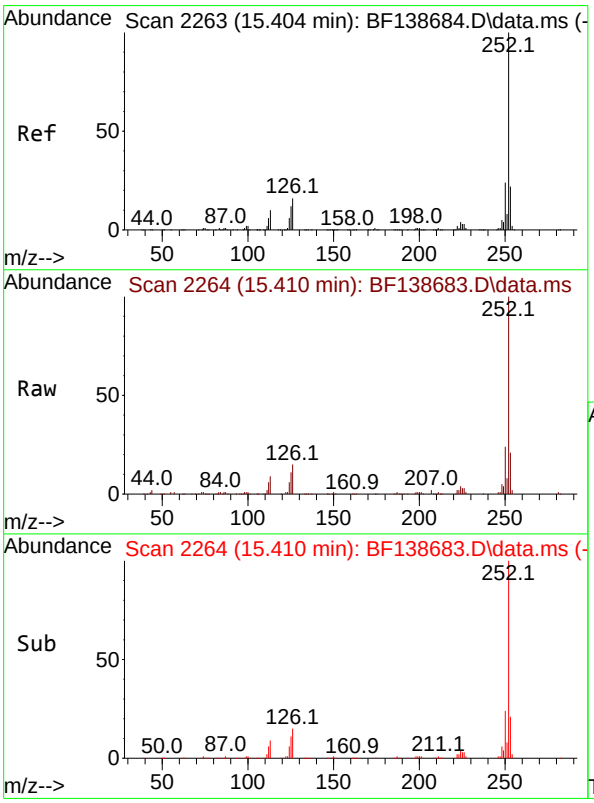
#89
Benzo(k)fluoranthene
Concen: 20.460 ng
RT: 15.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

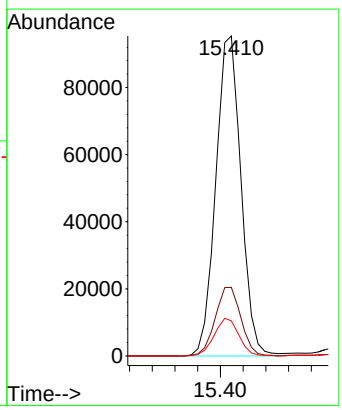


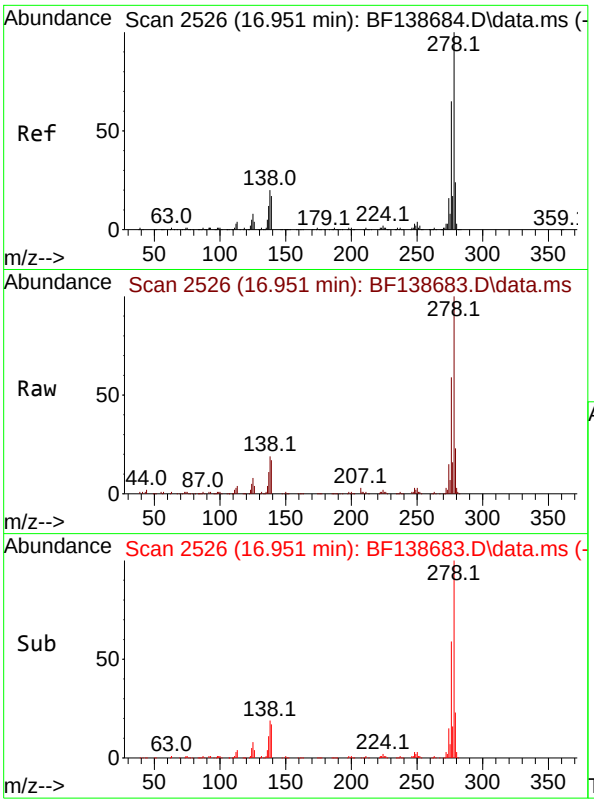


#90
Benzo(a)pyrene
Concen: 20.531 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



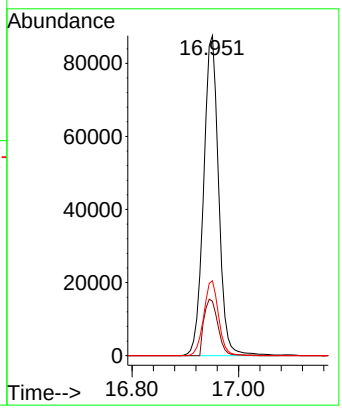


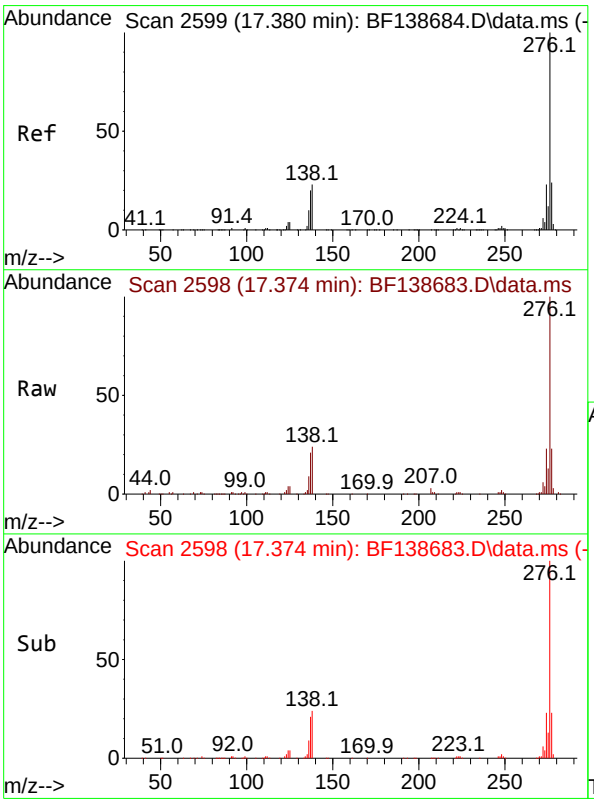
#91
Dibenzo(a,h)anthracene
Concen: 21.296 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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

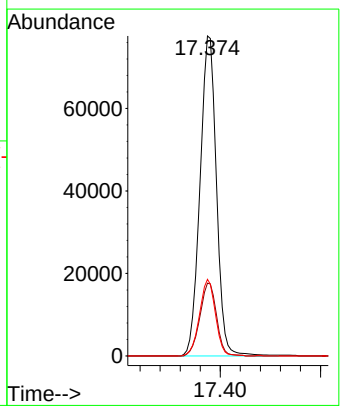




#92
Benzo(g,h,i)perylene
Concen: 21.110 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138683.D
Acq: 30 Jul 2024 14:25

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



Quantitation Report (QT Reviewed)

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

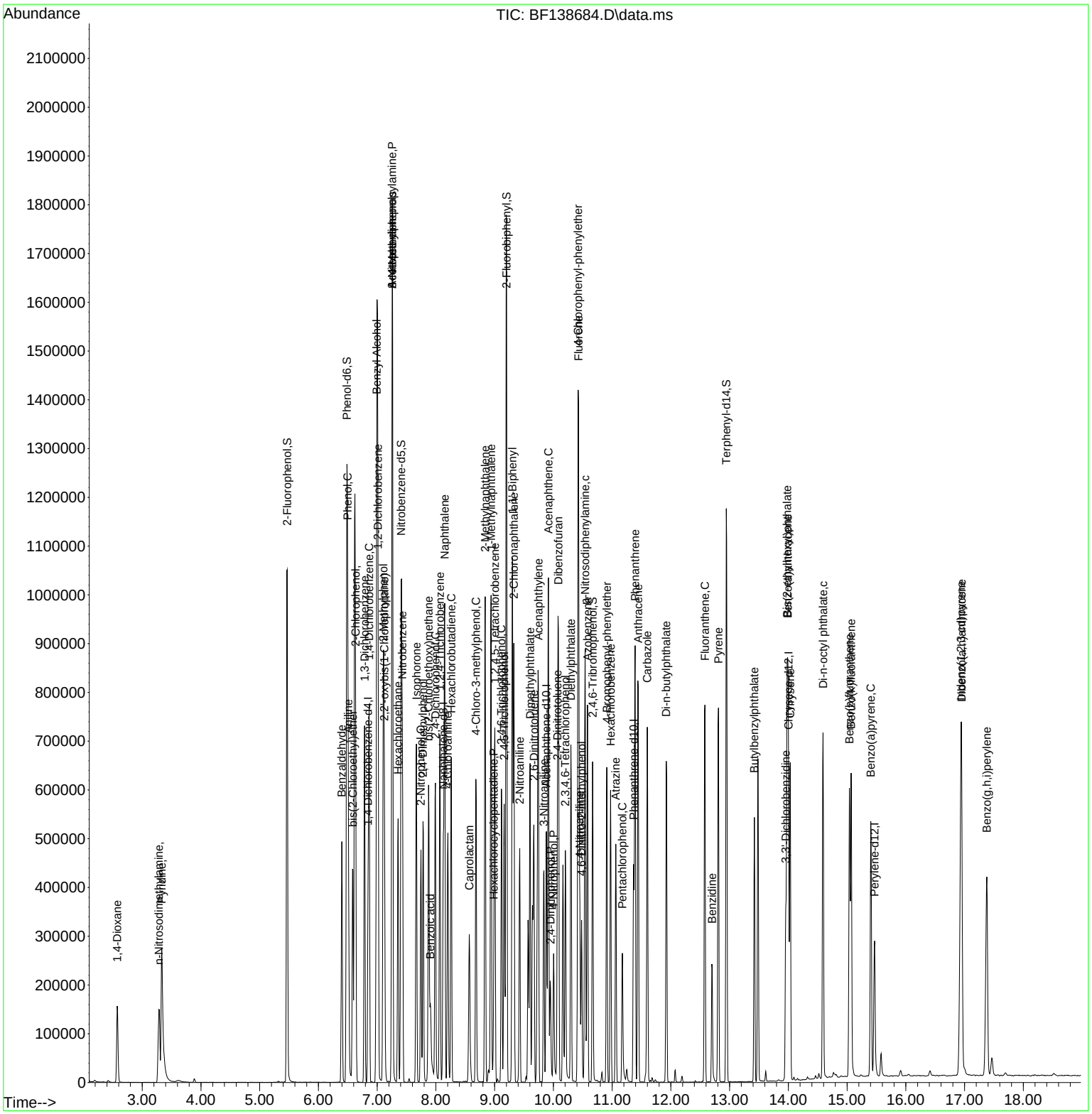
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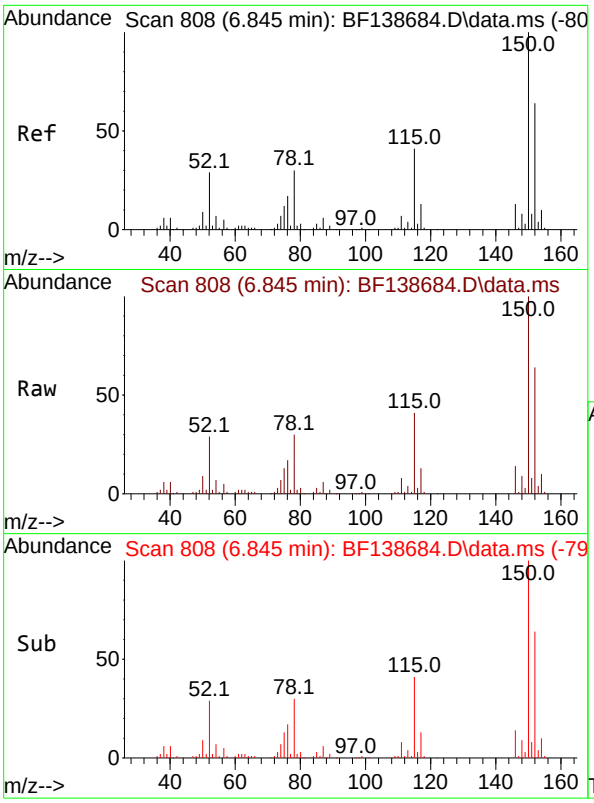
ICAL Form

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



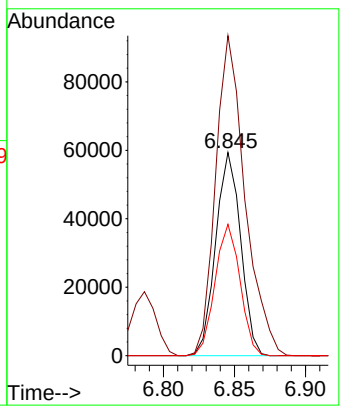


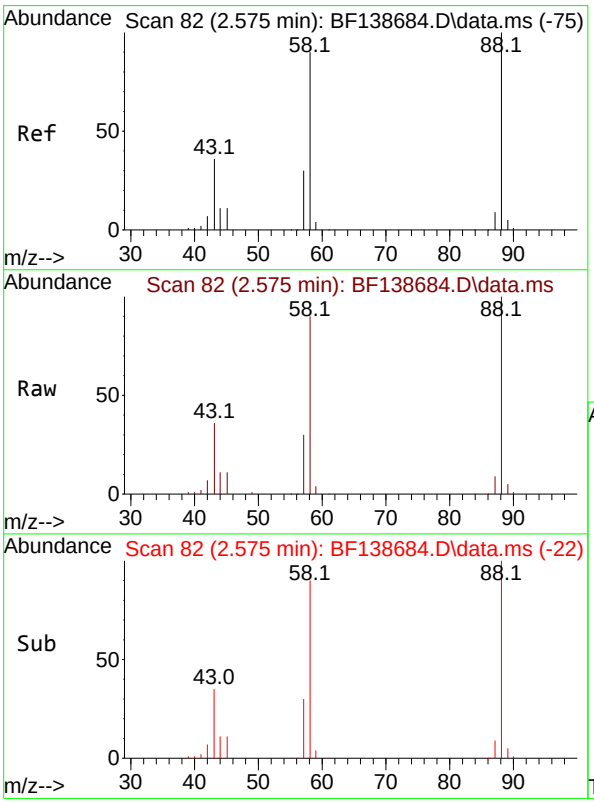
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

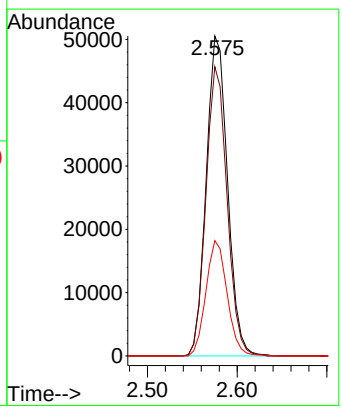


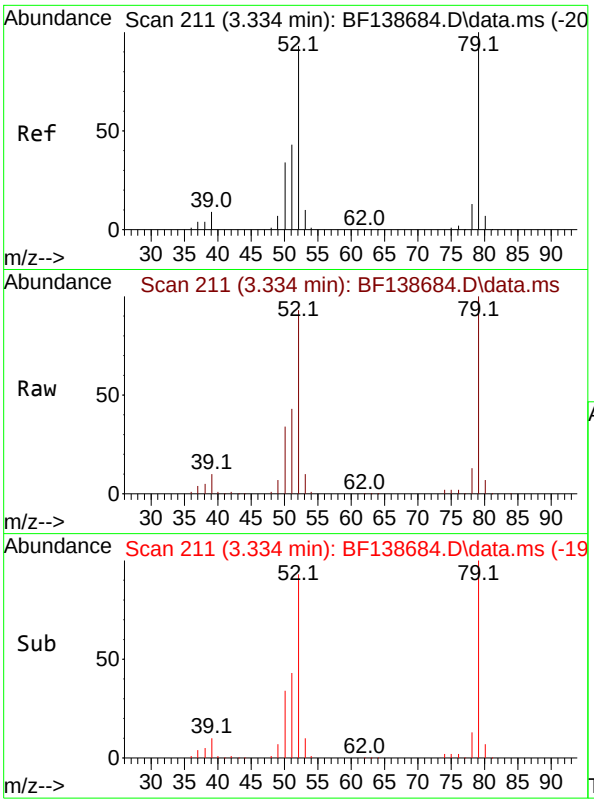


#2
1,4-Dioxane
Concen: 40.585 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



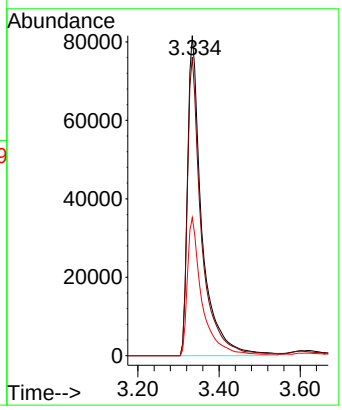


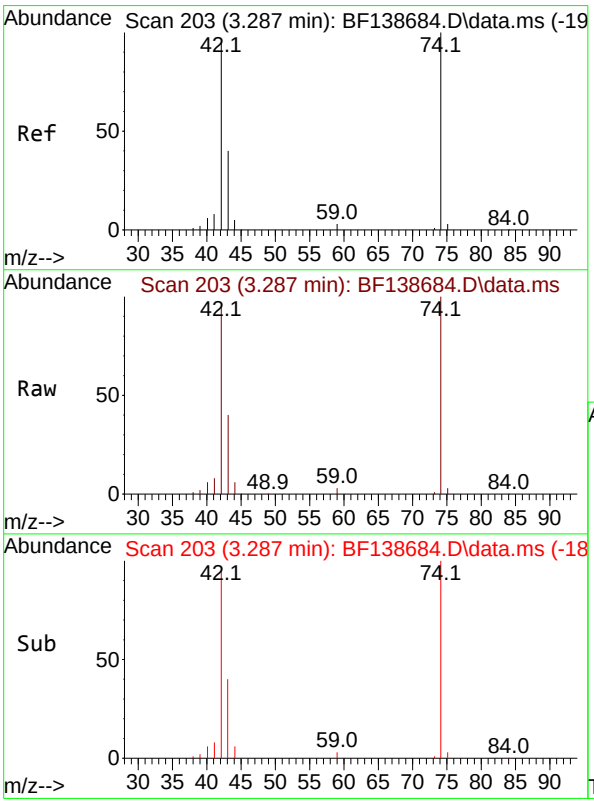
#3
Pyridine
Concen: 40.213 ng
RT: 3.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

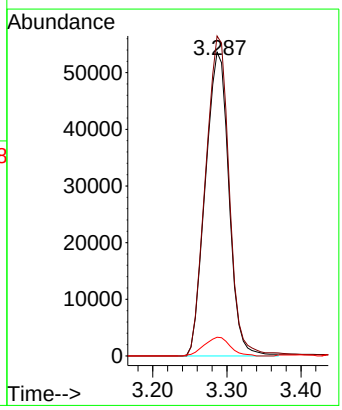


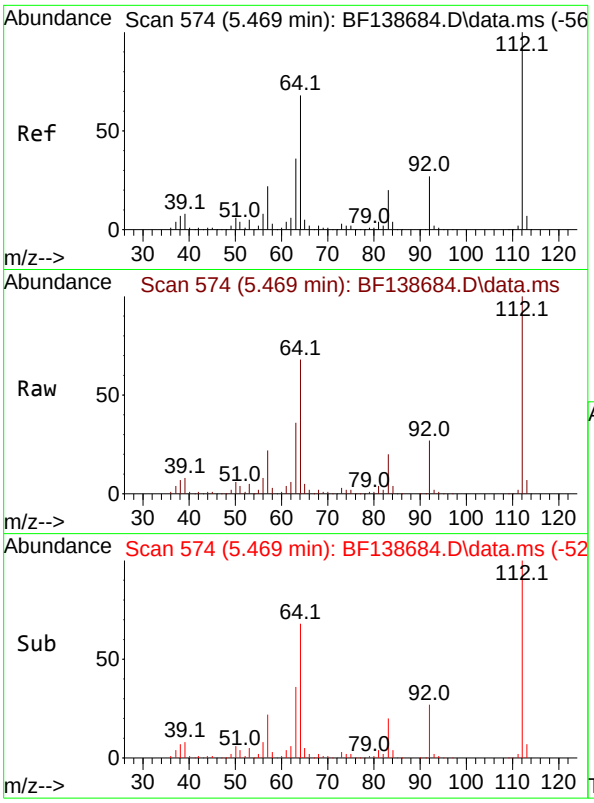


#4
n-Nitrosodimethylamine
Concen: 39.802 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



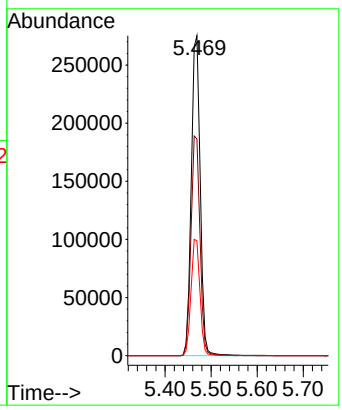


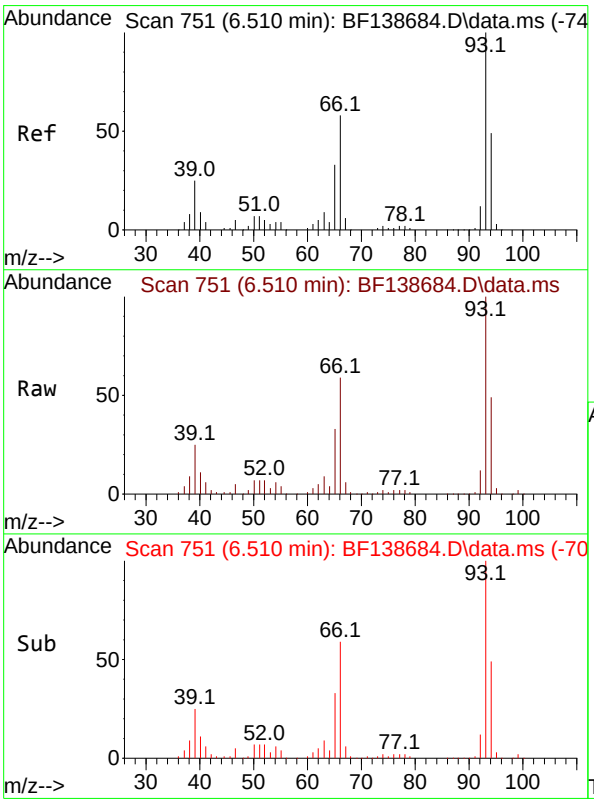
#5
2-Fluorophenol
Concen: 78.662 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

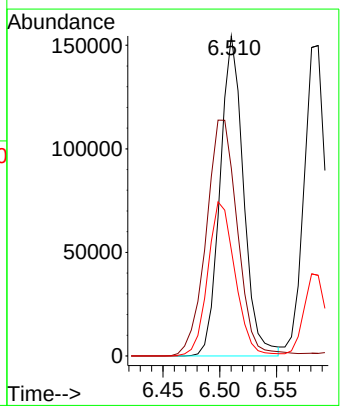


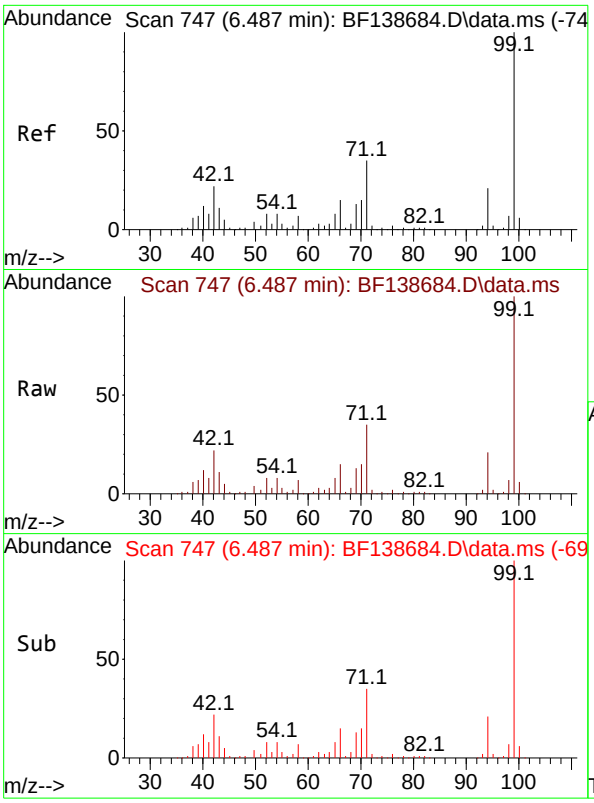


#6
Aniline
Concen: 39.503 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



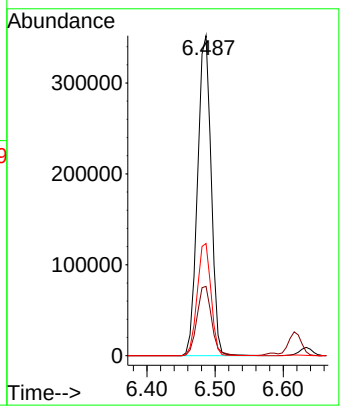


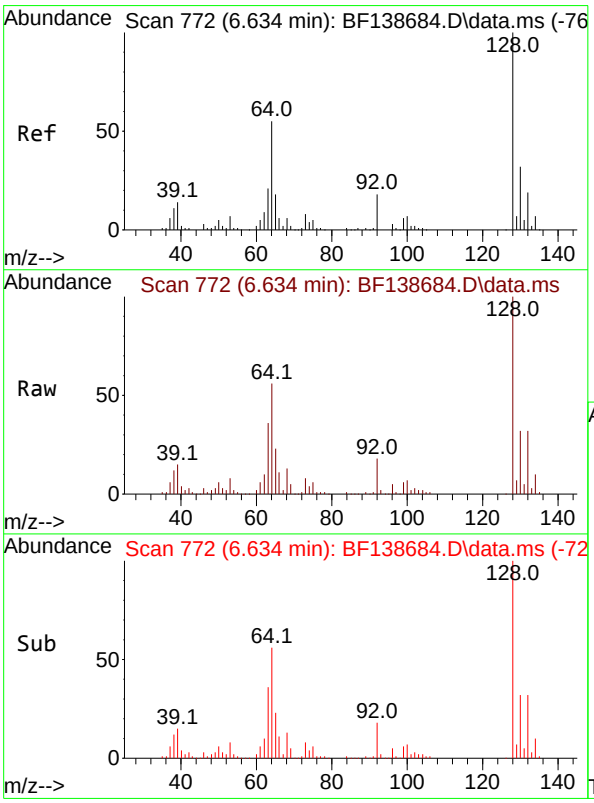
#7
Phenol-d6
Concen: 77.330 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

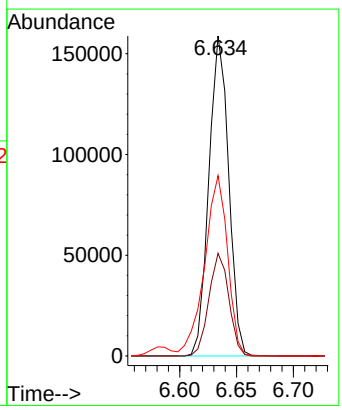


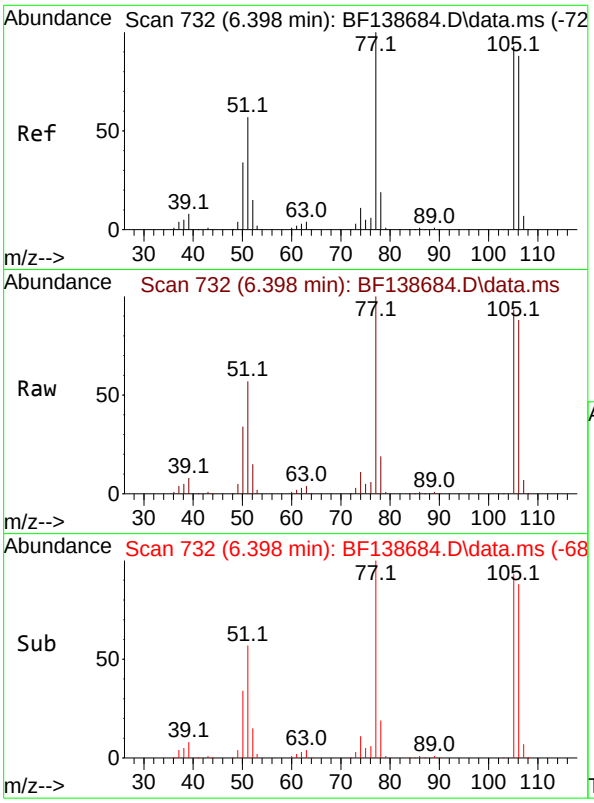


#8
2-Chlorophenol
Concen: 38.889 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



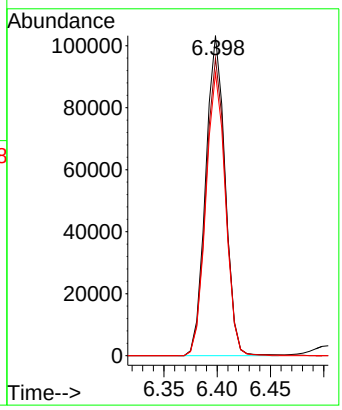


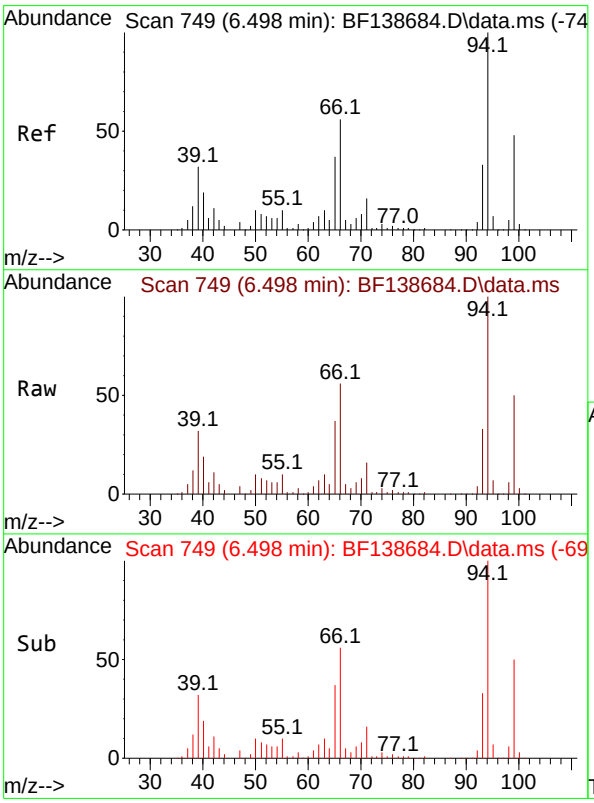
#9
Benzaldehyde
Concen: 34.687 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

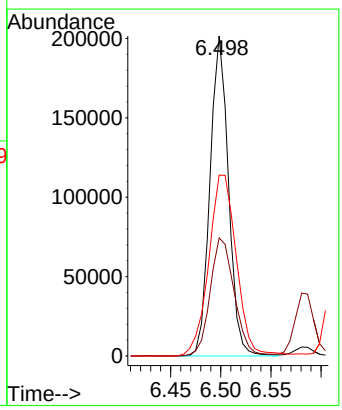


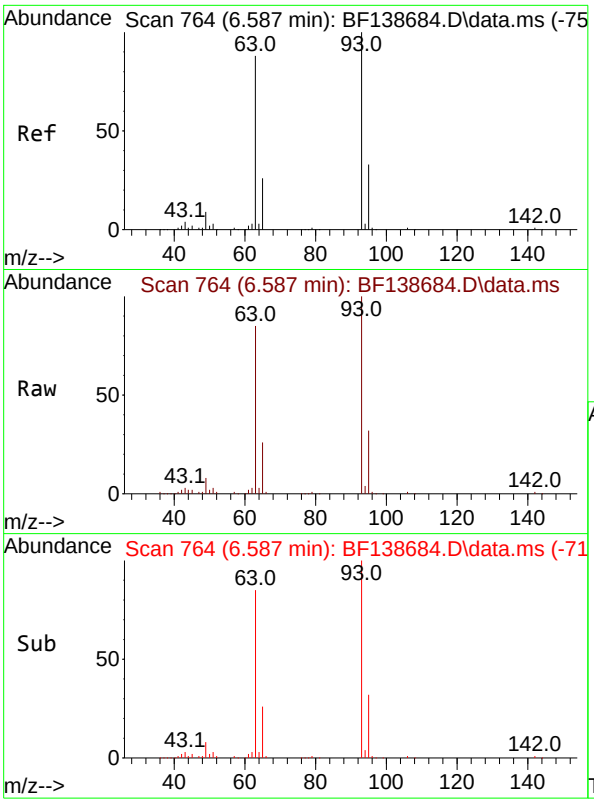


#10
Phenol
Concen: 38.764 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



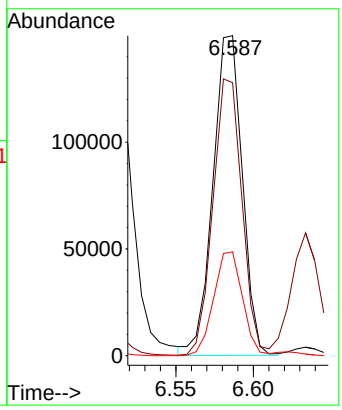


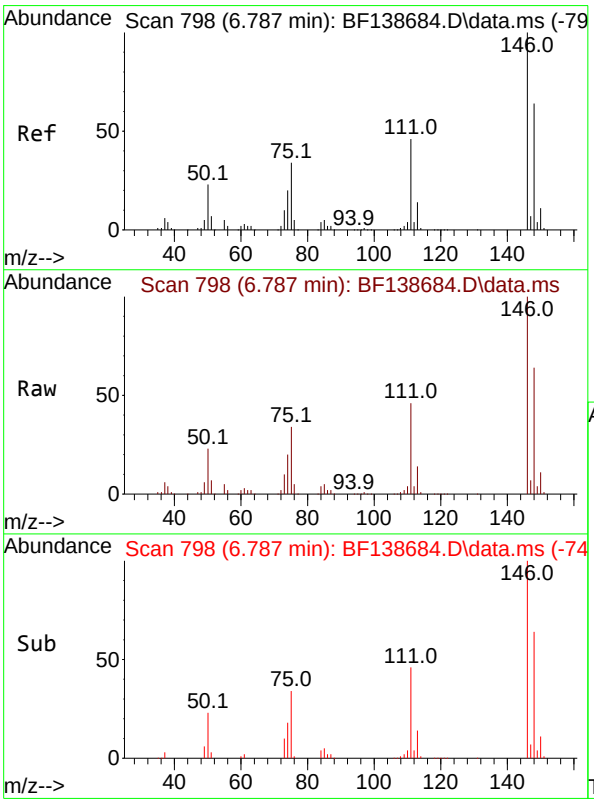
#11
bis(2-Chloroethyl)ether
Concen: 38.681 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

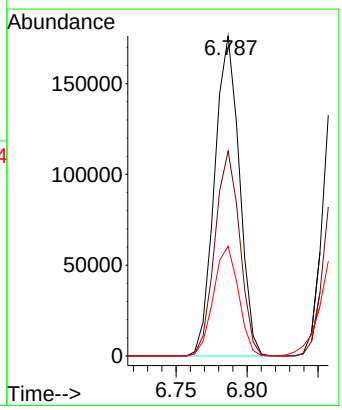


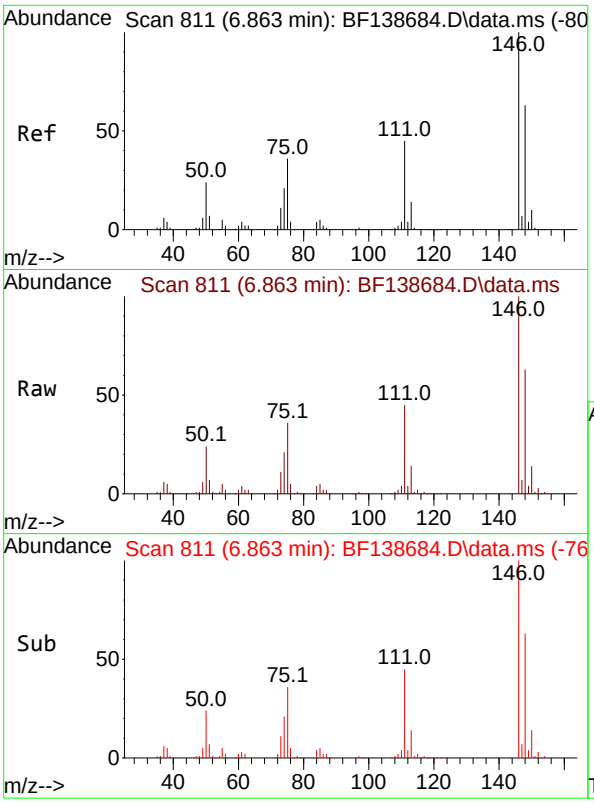


#12
1,3-Dichlorobenzene
Concen: 38.660 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



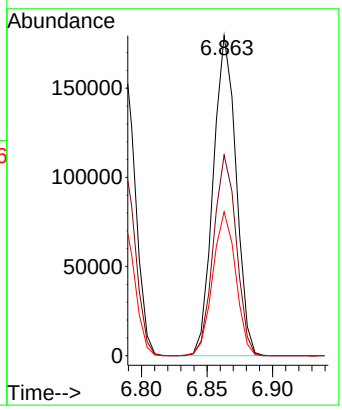


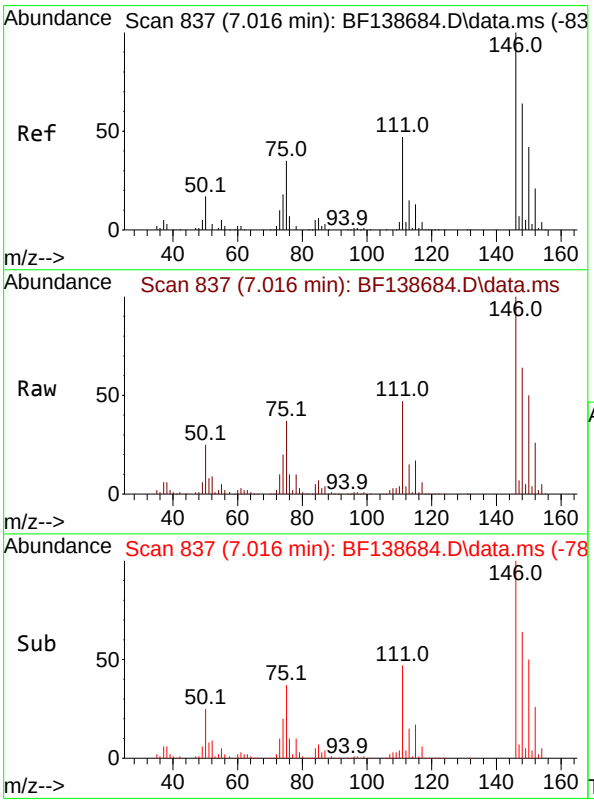
#13
1,4-Dichlorobenzene
Concen: 38.861 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

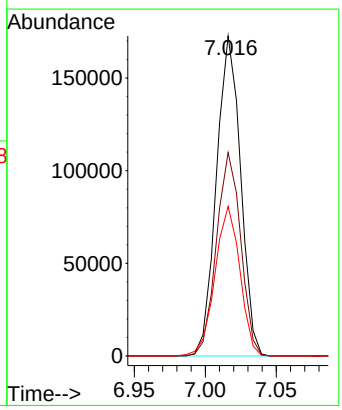


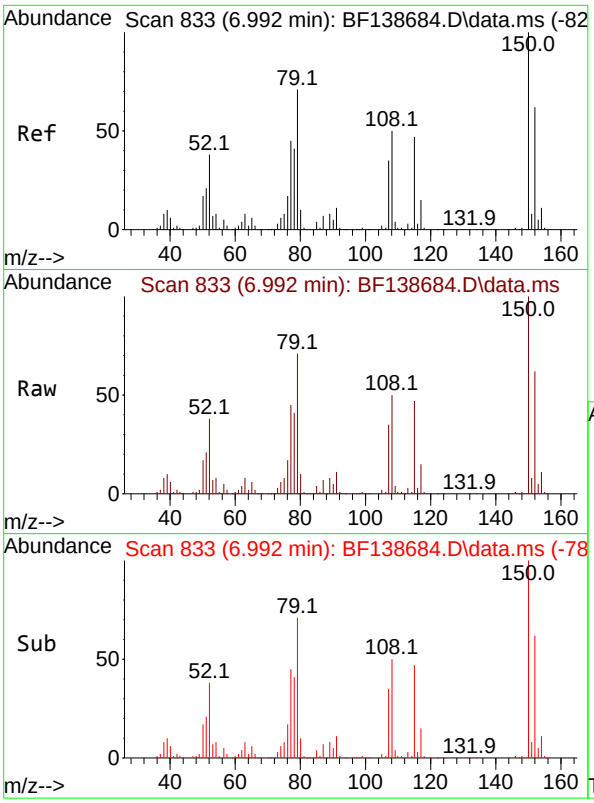


#14
1,2-Dichlorobenzene
Concen: 39.143 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



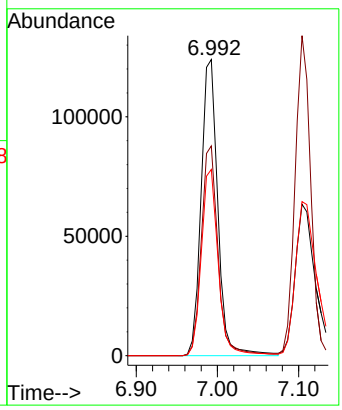


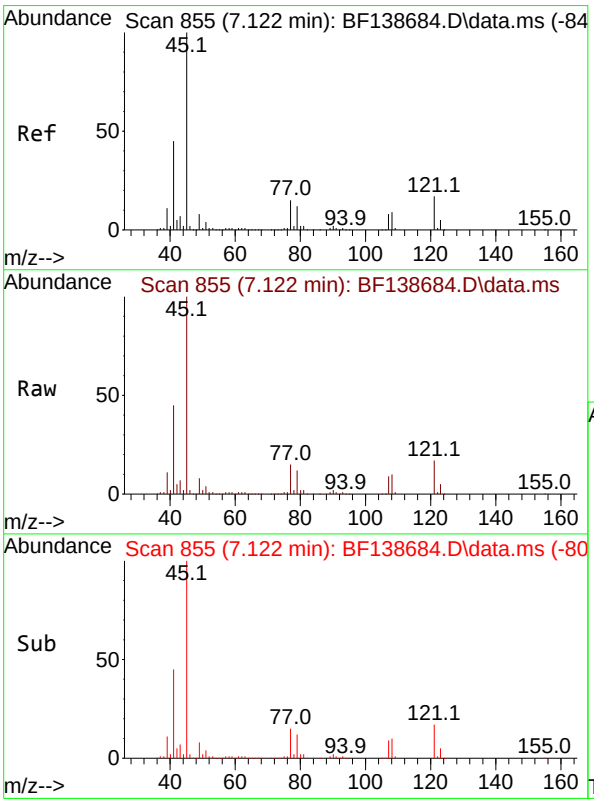
#15
Benzyl Alcohol
Concen: 38.872 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

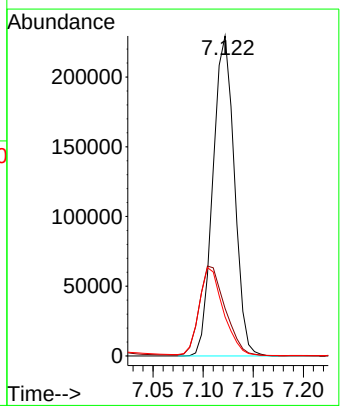


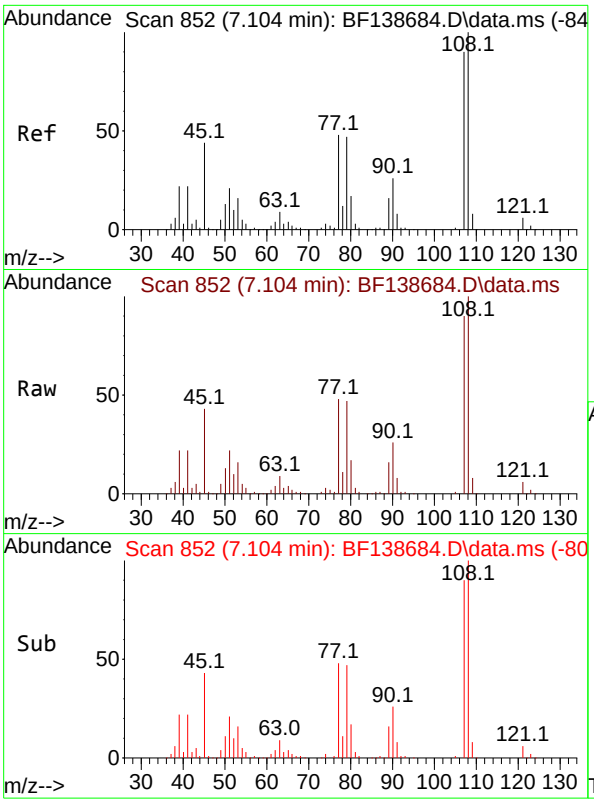


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.757 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



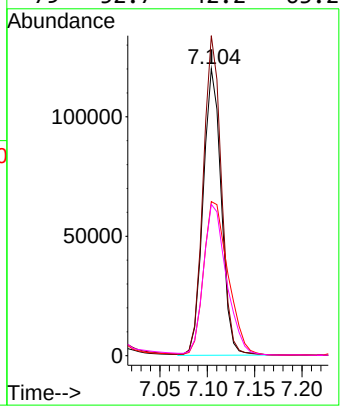


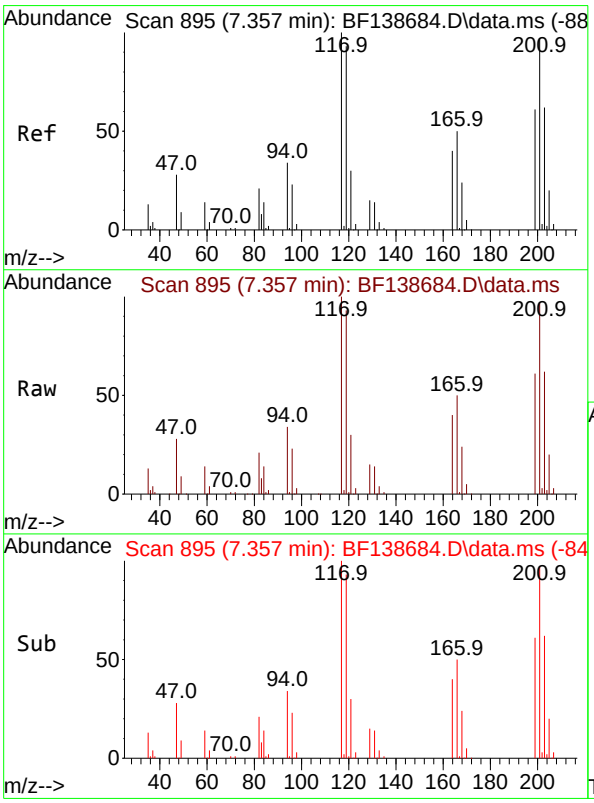
#17
2-Methylphenol
Concen: 39.204 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

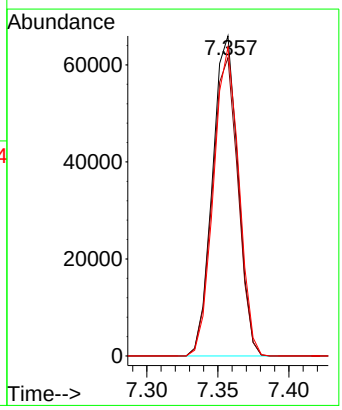


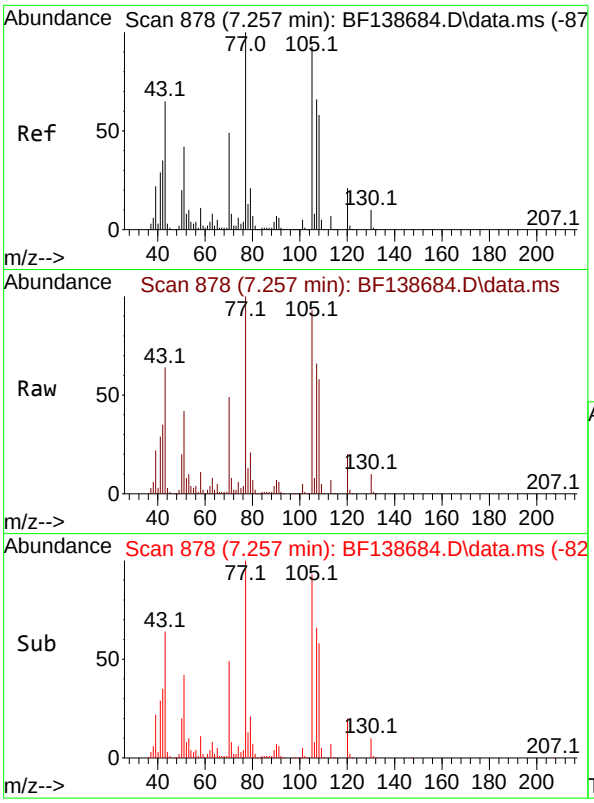


#18
Hexachloroethane
Concen: 39.176 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



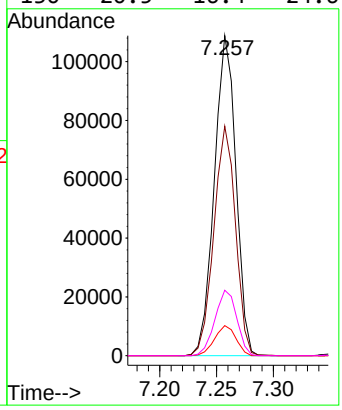


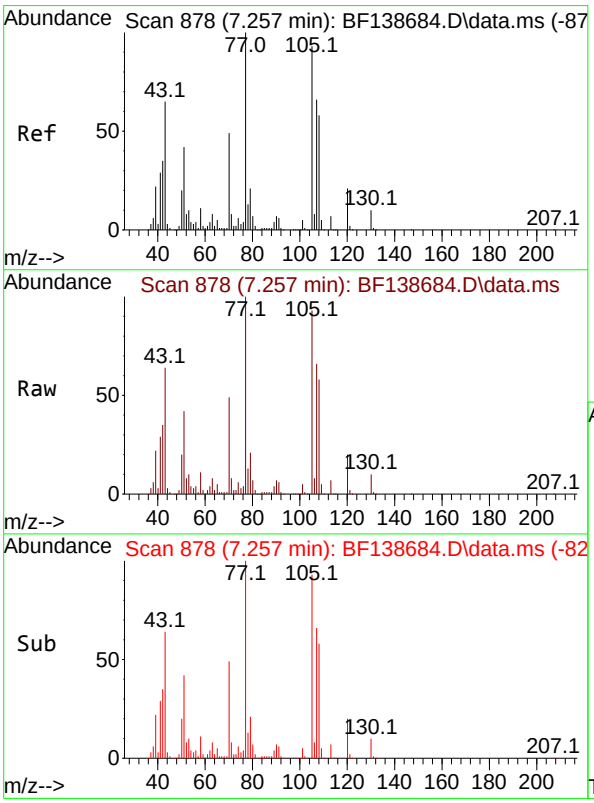
#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

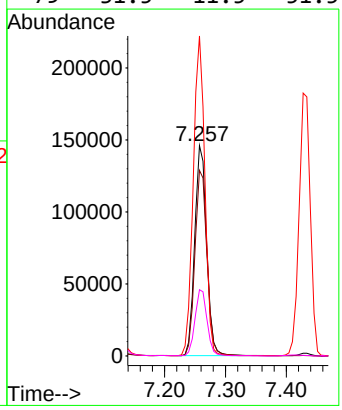


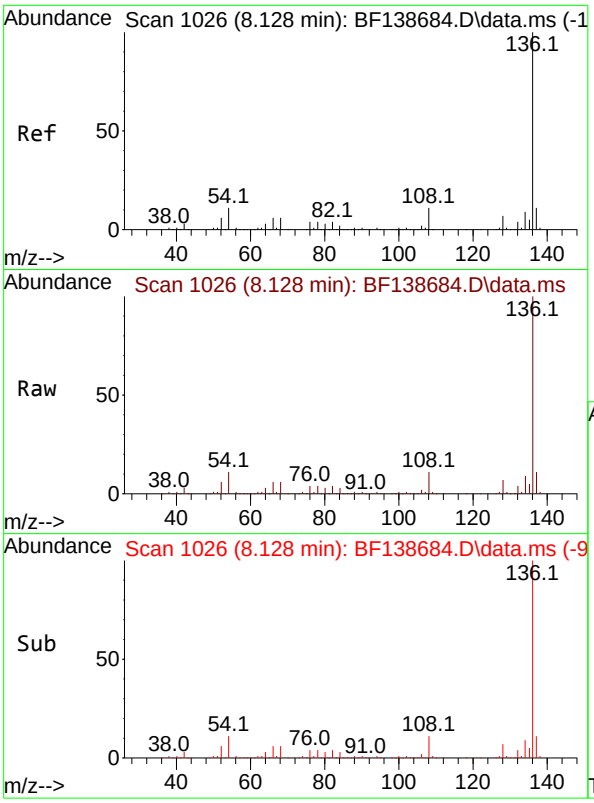


#20
3+4-Methylphenols
Concen: 37.862 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



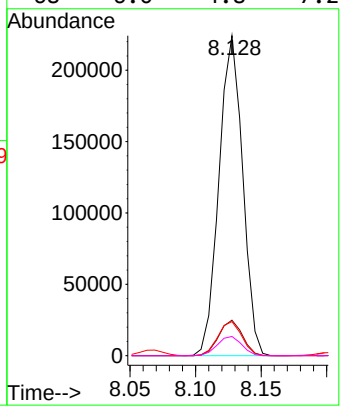


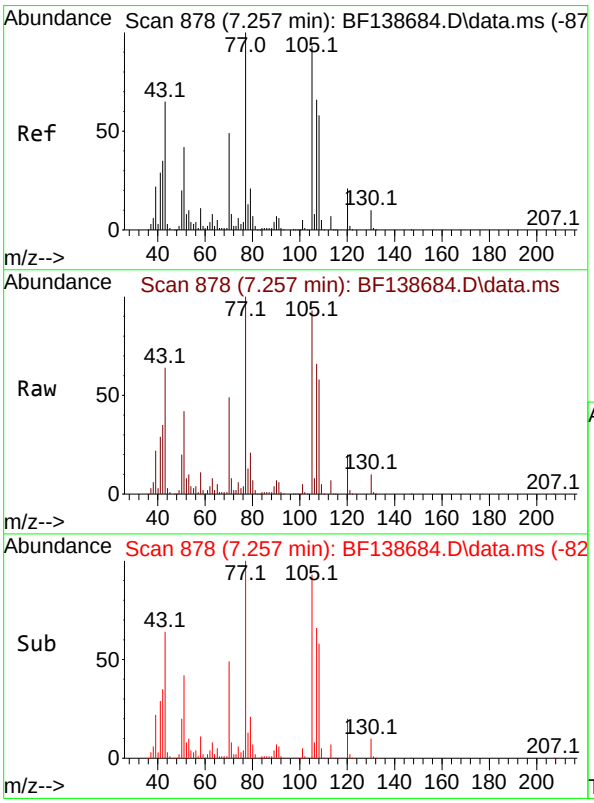
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

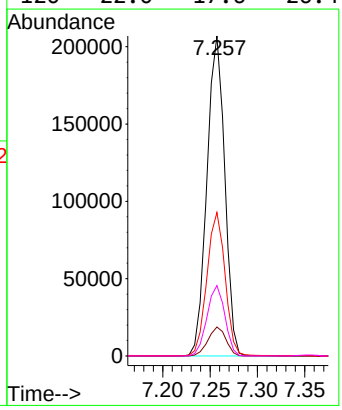


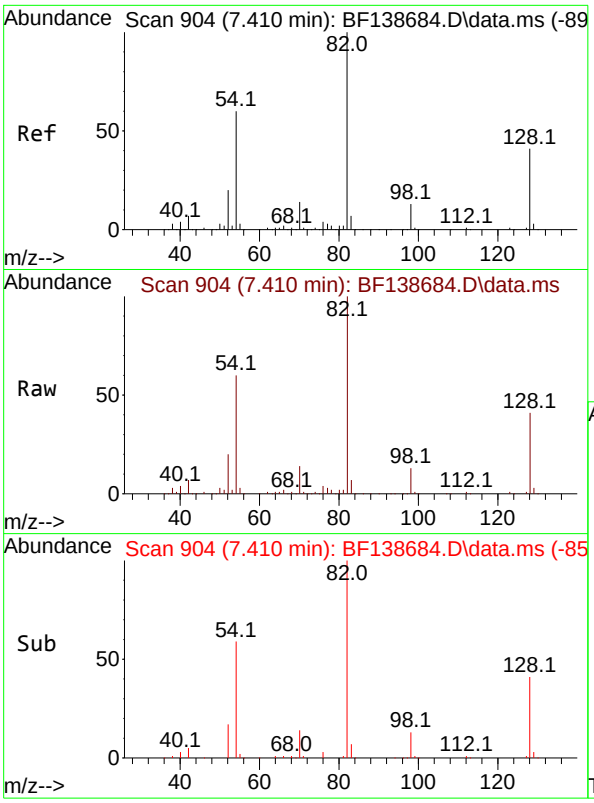


#22
Acetophenone
Concen: 39.378 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



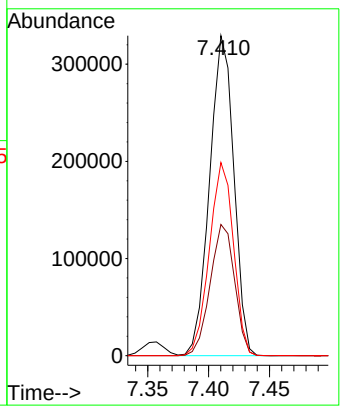


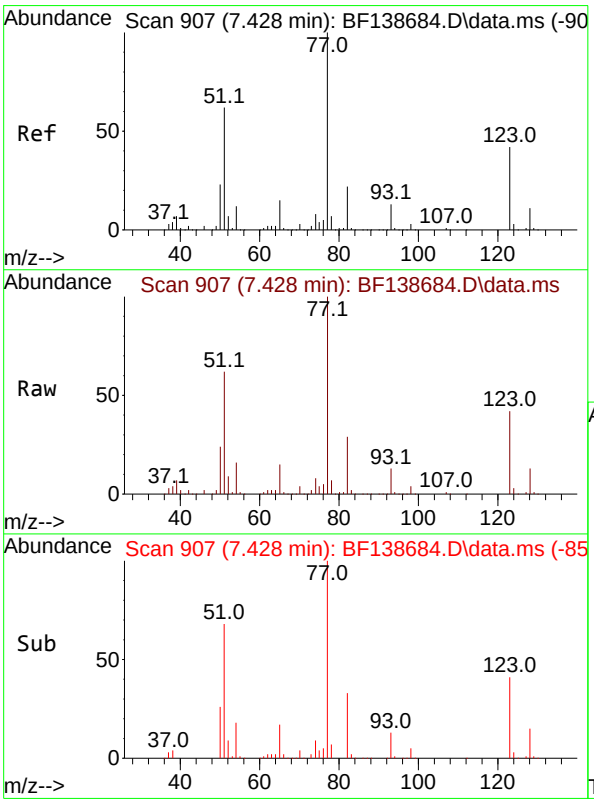
#23
Nitrobenzene-d5
Concen: 79.539 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

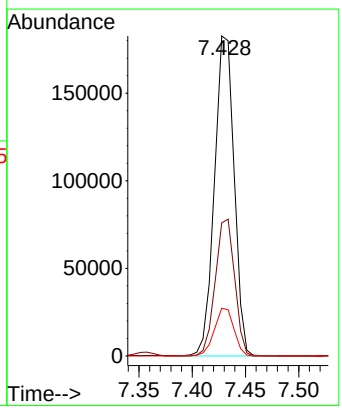


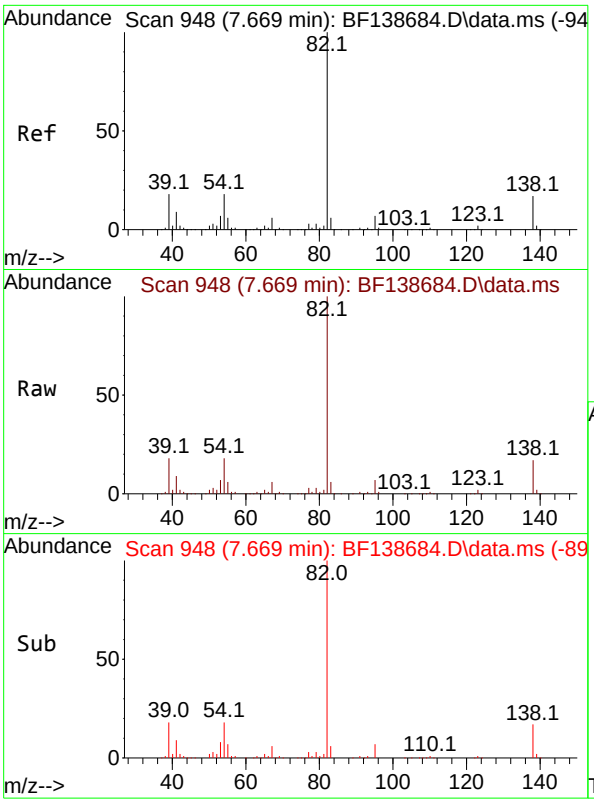


#24
Nitrobenzene
Concen: 40.040 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



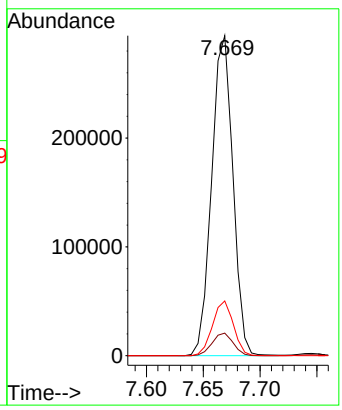


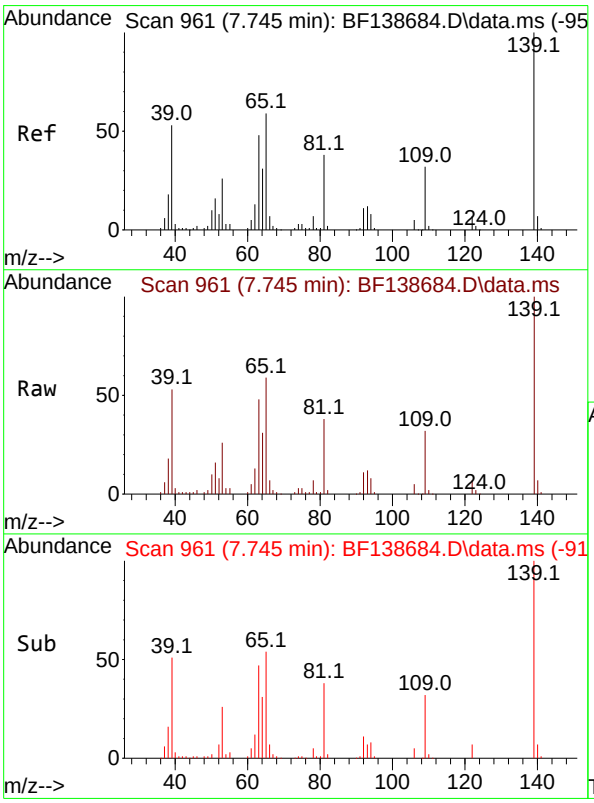
#25
Isophorone
Concen: 38.969 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

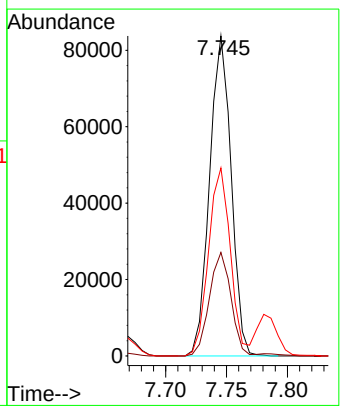


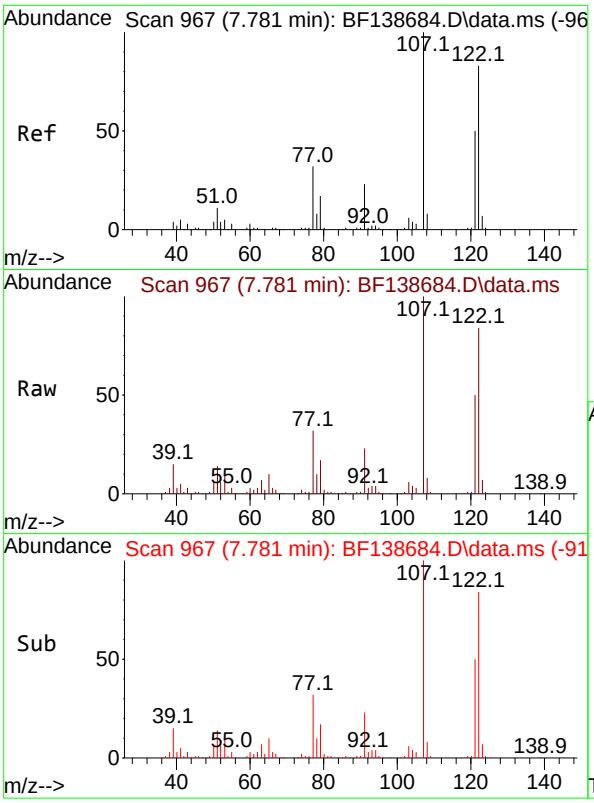


#26
2-Nitrophenol
Concen: 40.990 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



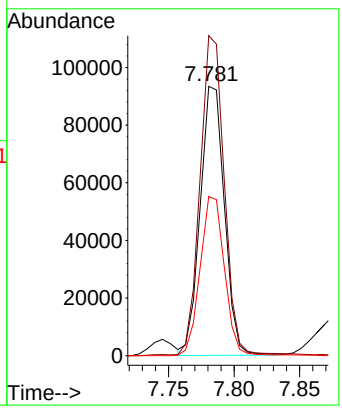


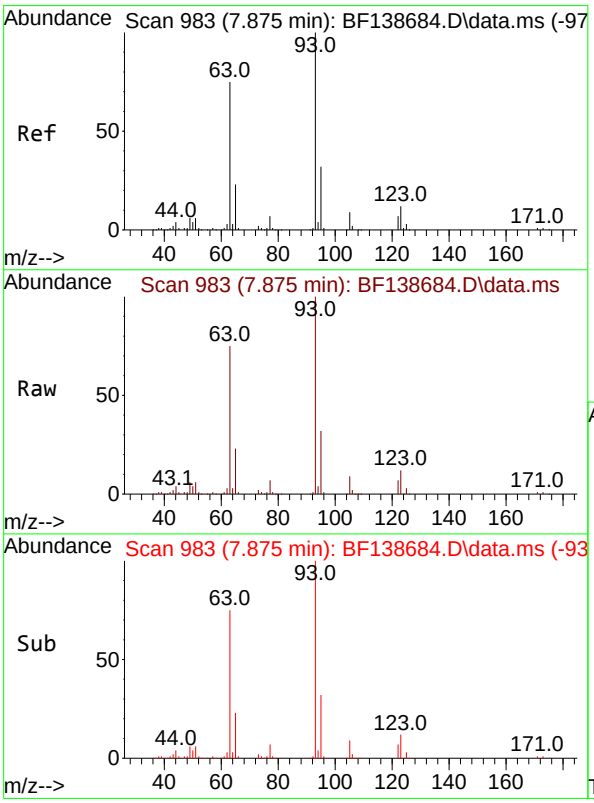
#27
2,4-Dimethylphenol
Concen: 39.890 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

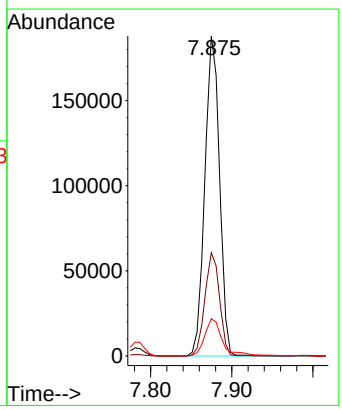


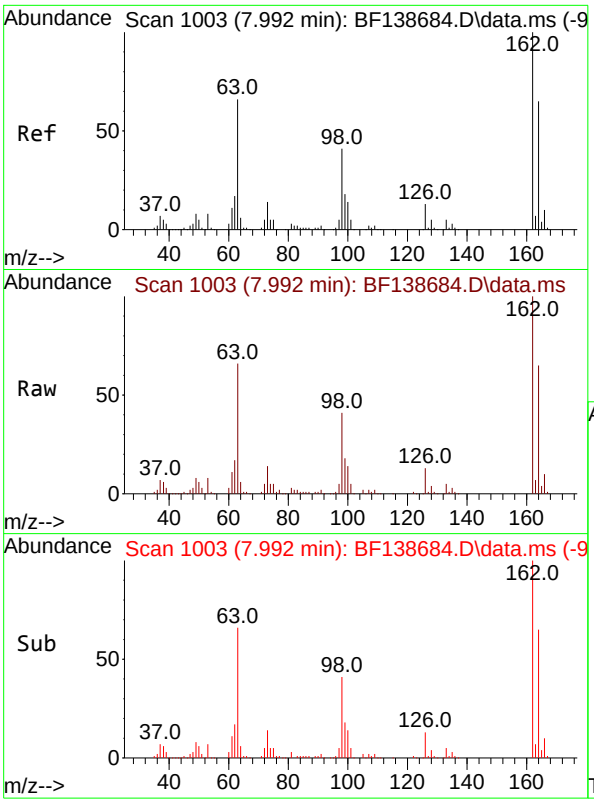


#28
bis(2-Chloroethoxy)methane
Concen: 39.348 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



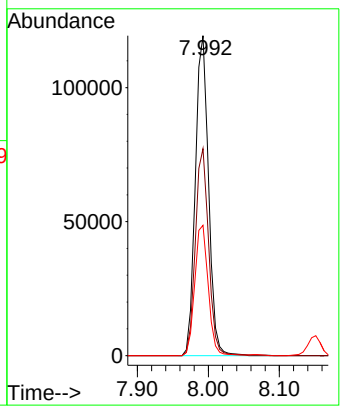


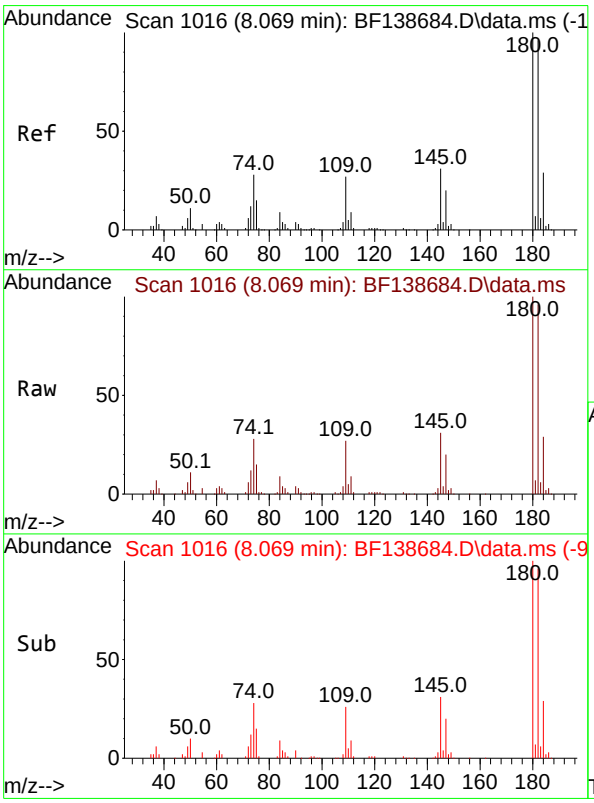
#29
2,4-Dichlorophenol
Concen: 40.030 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

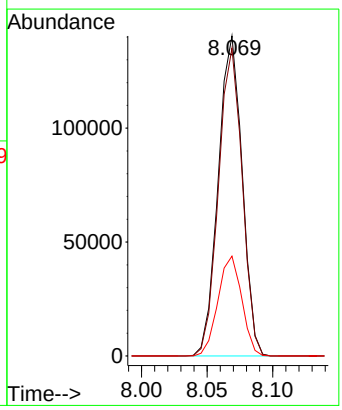


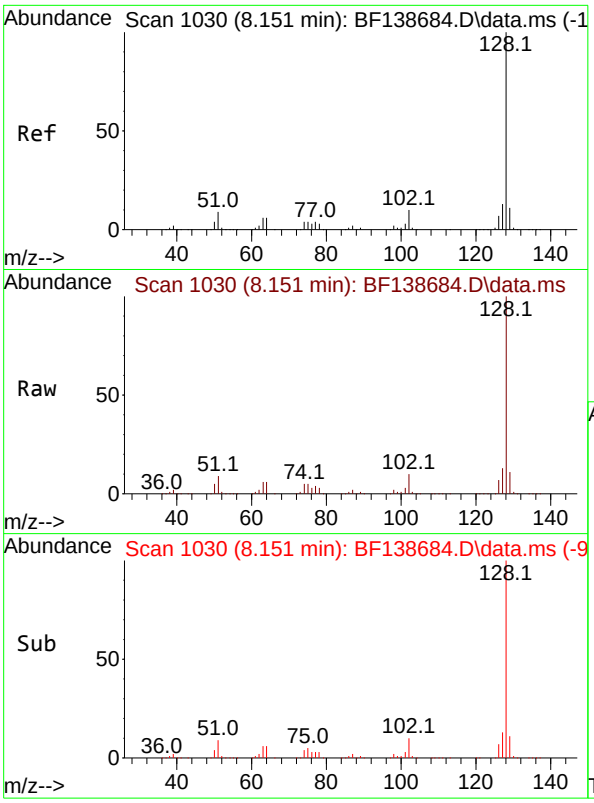


#30
1,2,4-Trichlorobenzene
Concen: 39.835 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



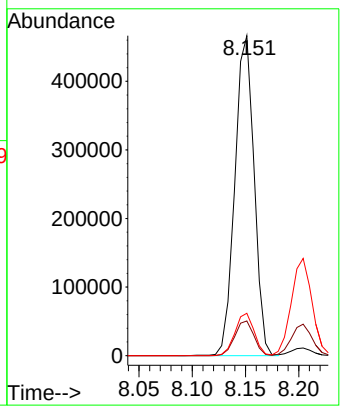


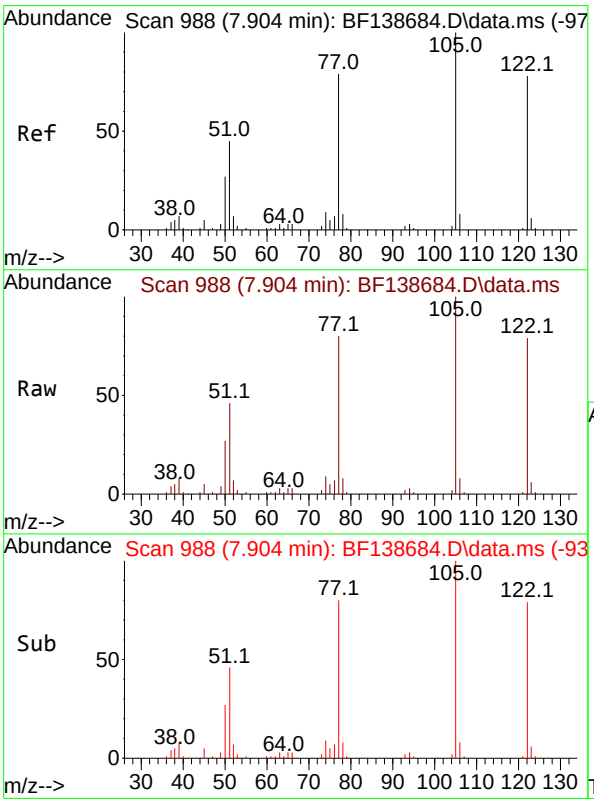
#31
Naphthalene
Concen: 39.655 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

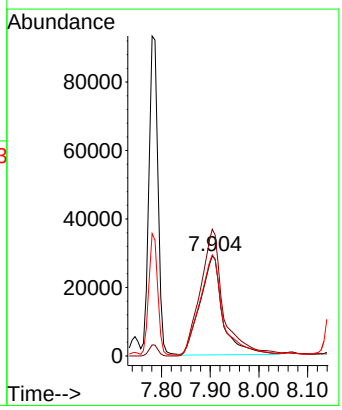


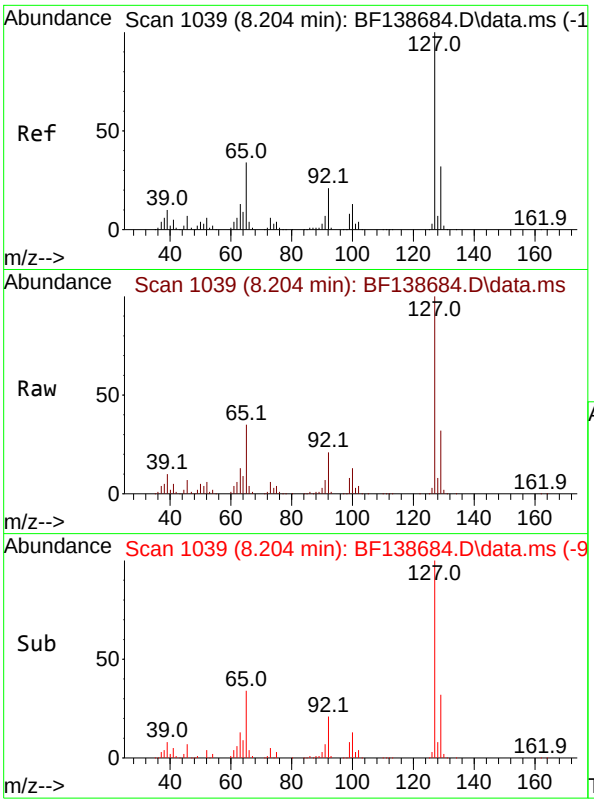


#32
Benzoic acid
Concen: 39.389 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



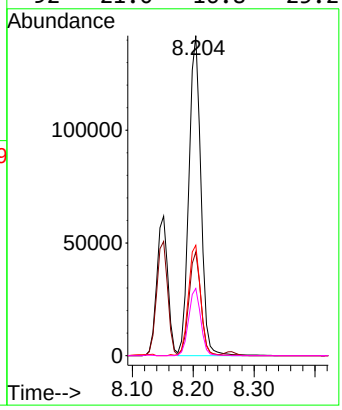


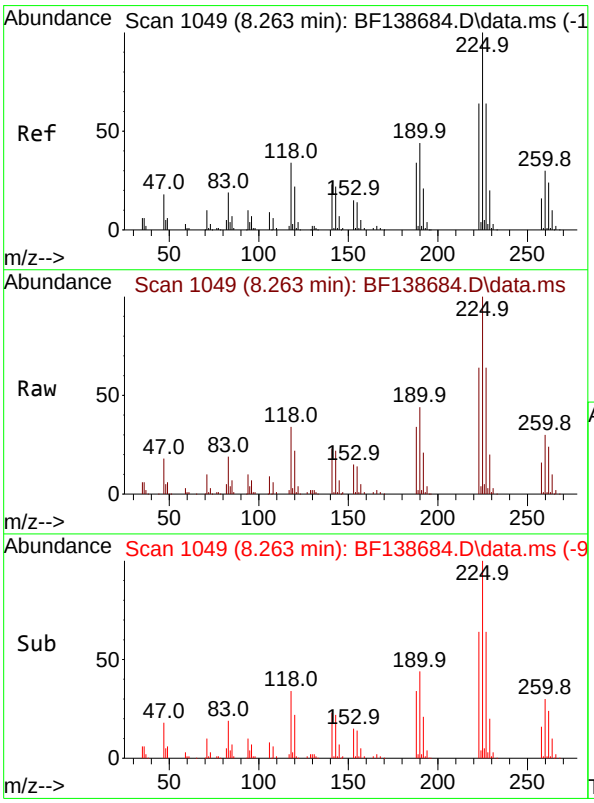
#33
4-Chloroaniline
Concen: 39.130 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

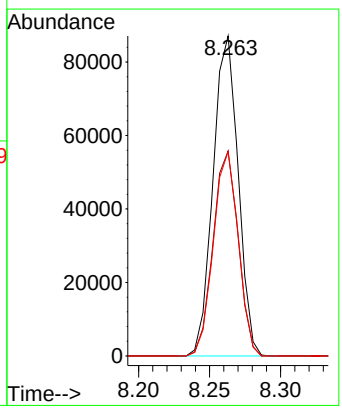


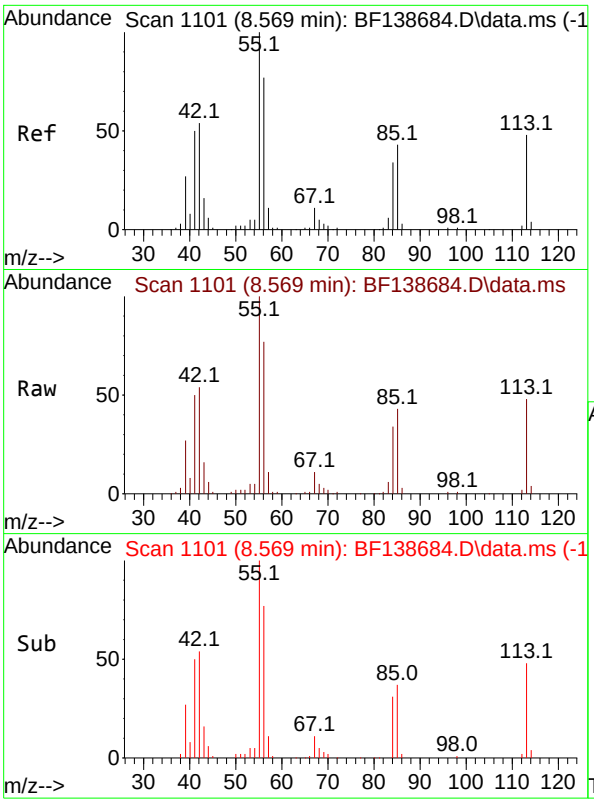


#34
Hexachlorobutadiene
Concen: 39.476 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



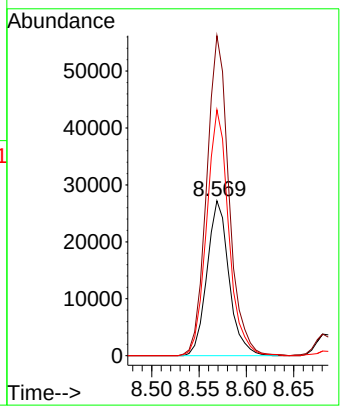


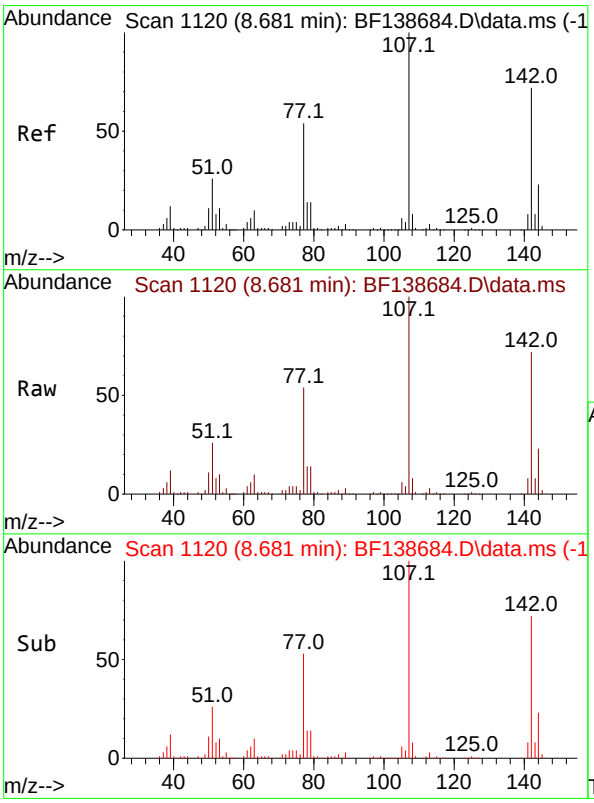
#35
Caprolactam
Concen: 37.984 ng
RT: 8.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

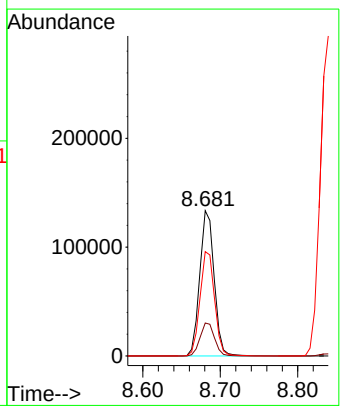


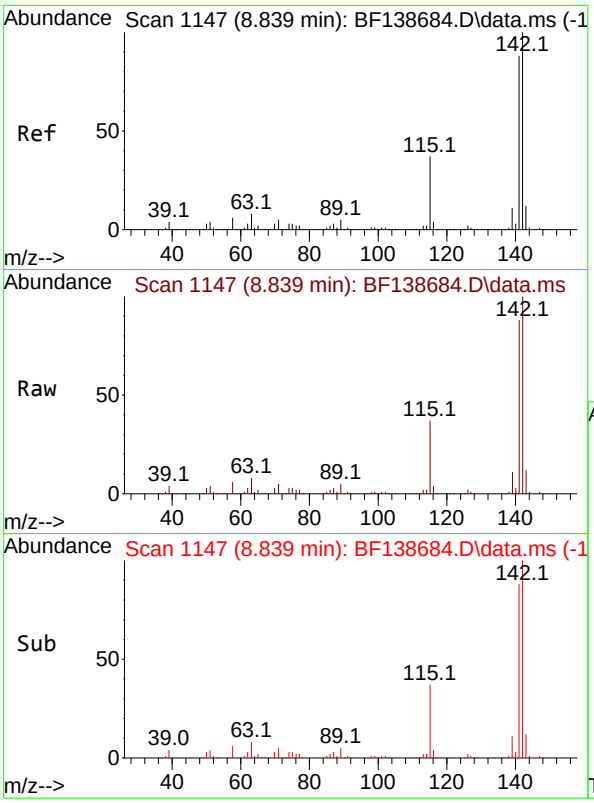


#36
4-Chloro-3-methylphenol
Concen: 38.983 ng
RT: 8.681 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



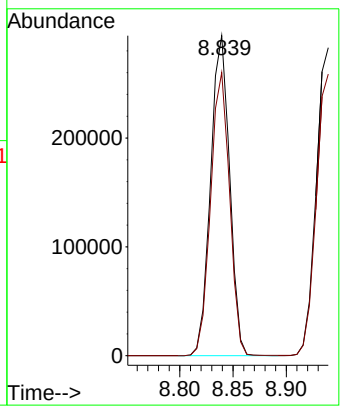


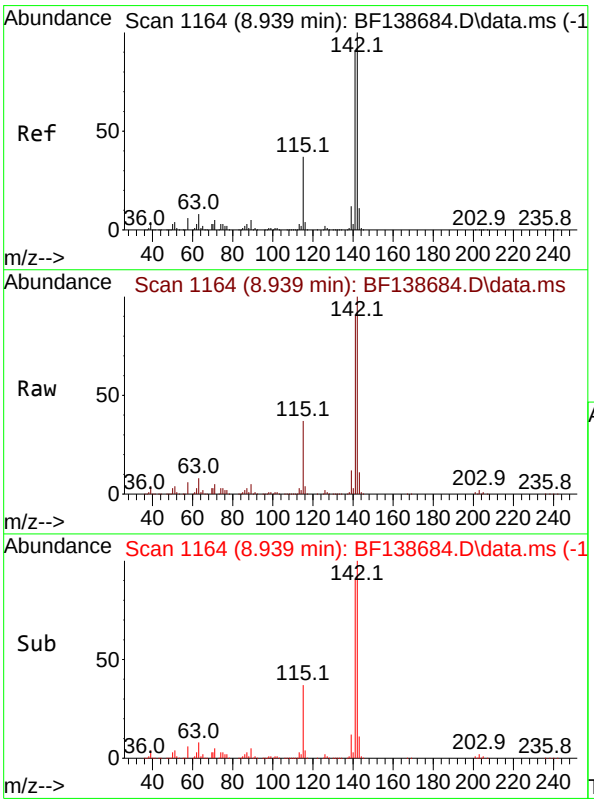
#37
2-Methylnaphthalene
Concen: 39.019 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 364899

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

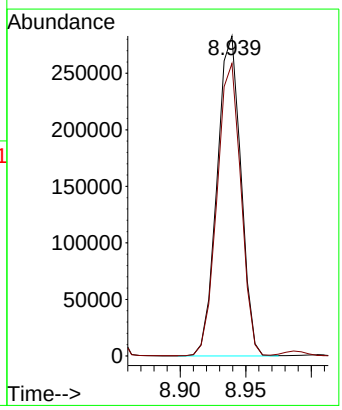


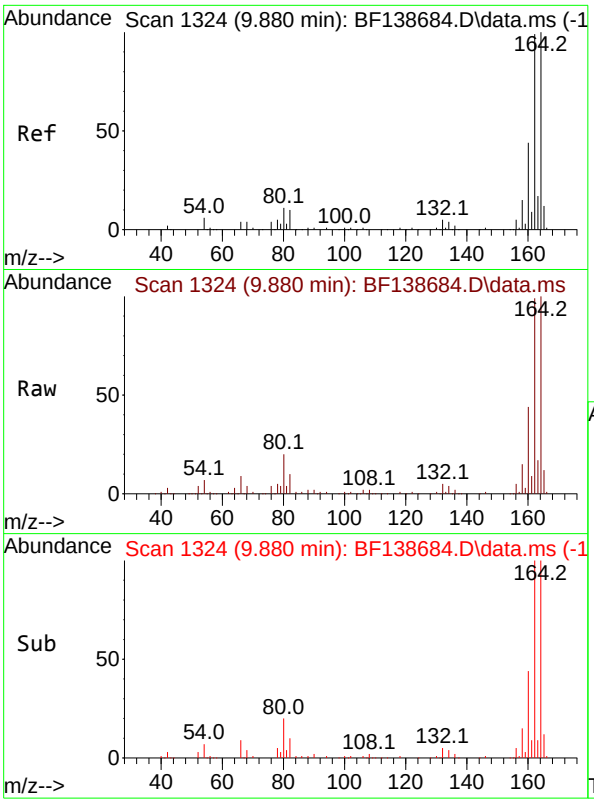


#38
1-Methylnaphthalene
Concen: 39.045 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

Tgt Ion:142 Resp: 357806

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7



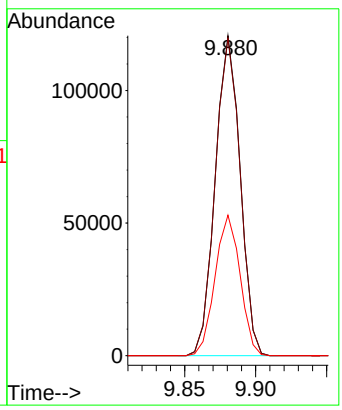


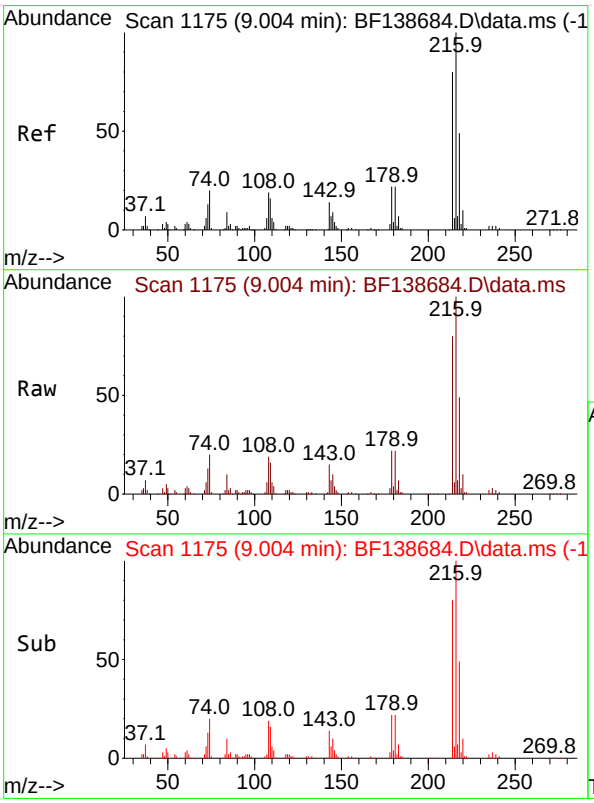
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

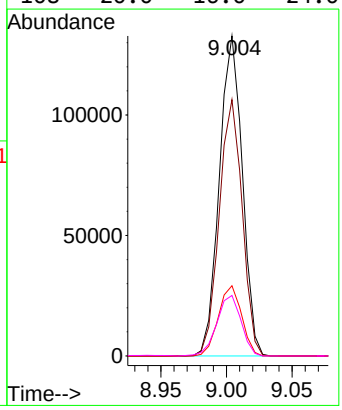


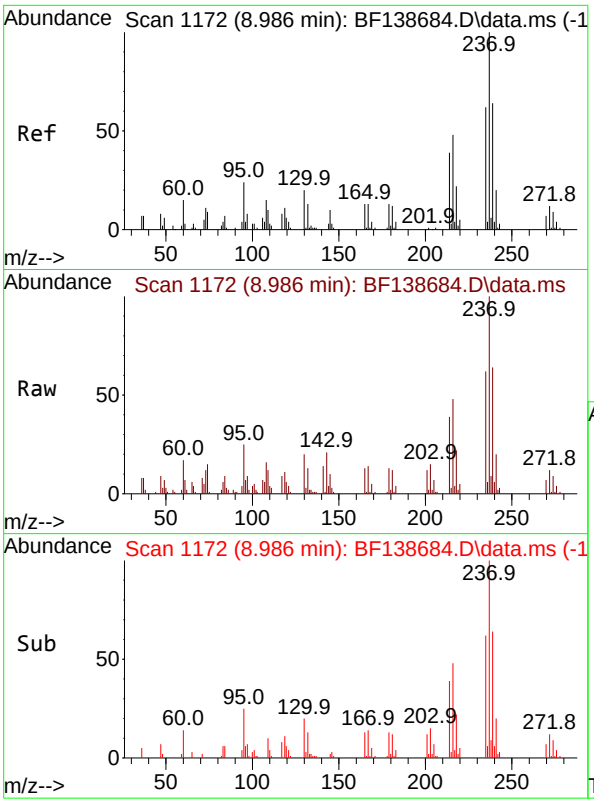


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.628 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



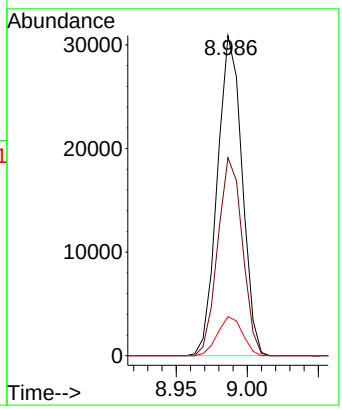


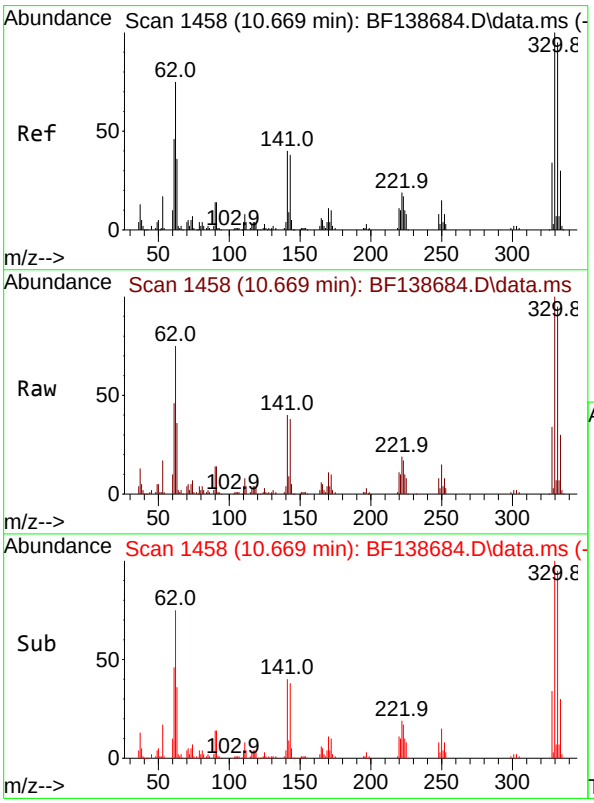
#41
Hexachlorocyclopentadiene
Concen: 38.484 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

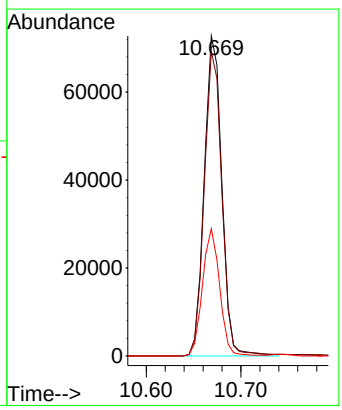


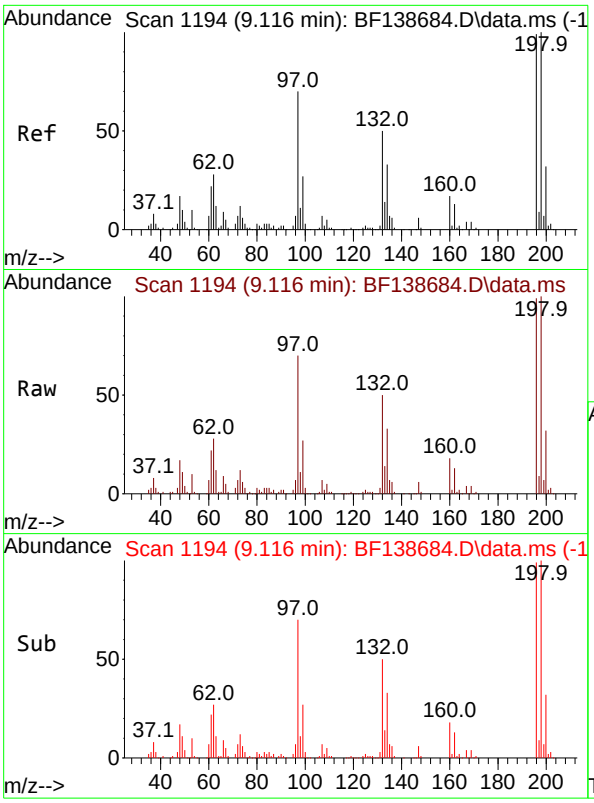


#42
2,4,6-Tribromophenol
Concen: 77.638 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



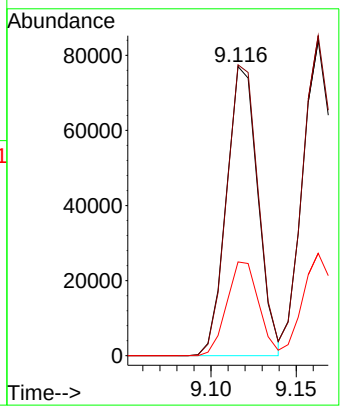


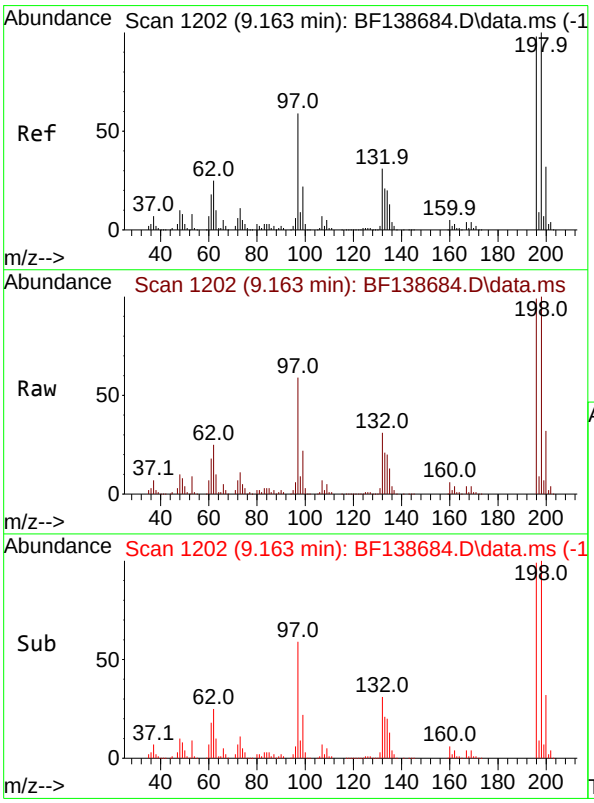
#43
2,4,6-Trichlorophenol
Concen: 39.709 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

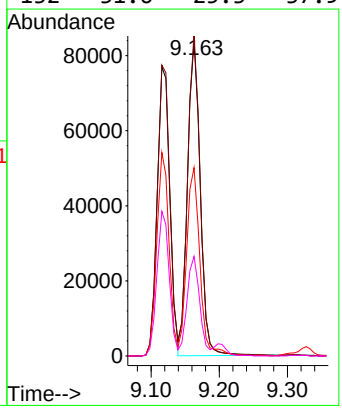


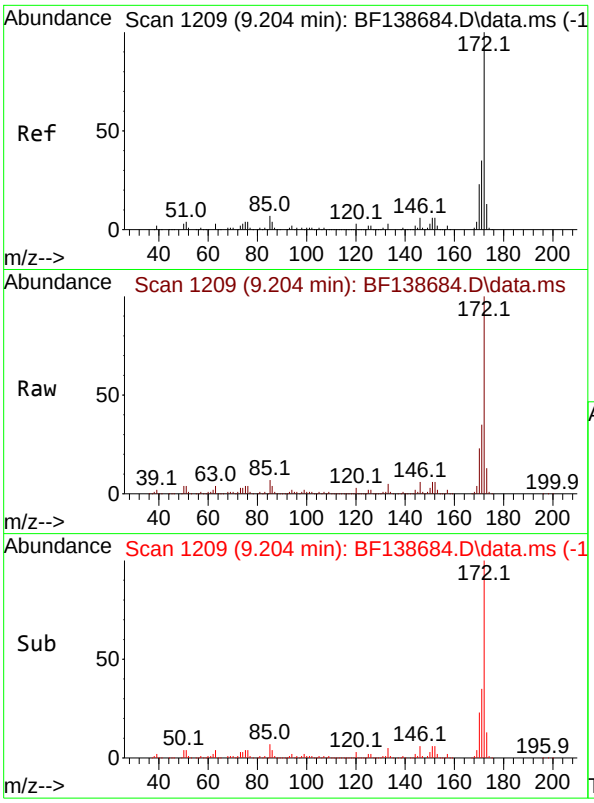


#44
2,4,5-Trichlorophenol
Concen: 39.788 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



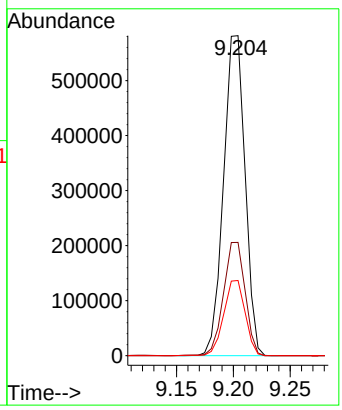


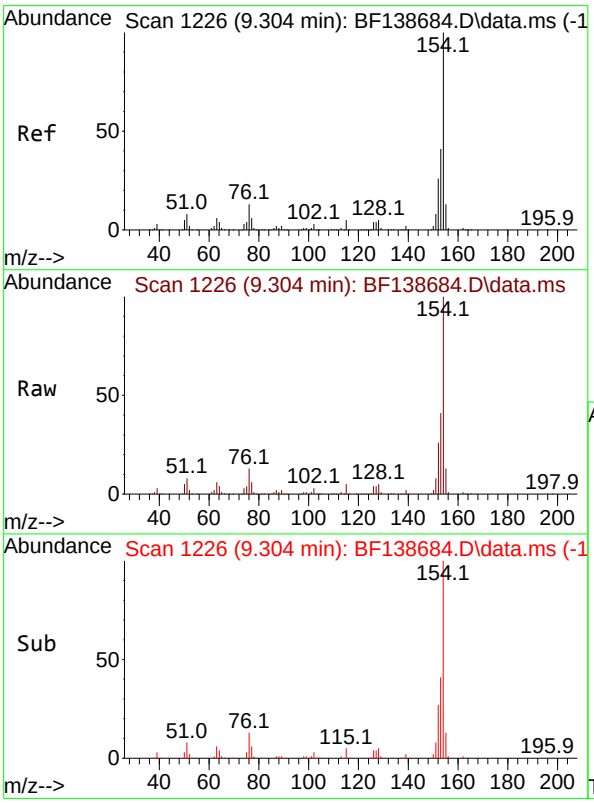
#45
2-Fluorobiphenyl
Concen: 78.480 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

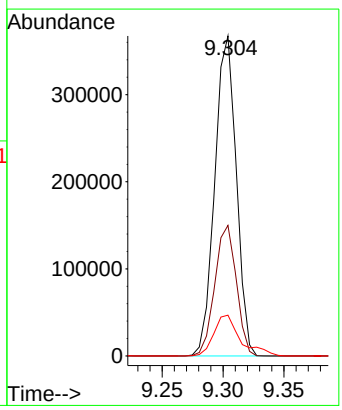


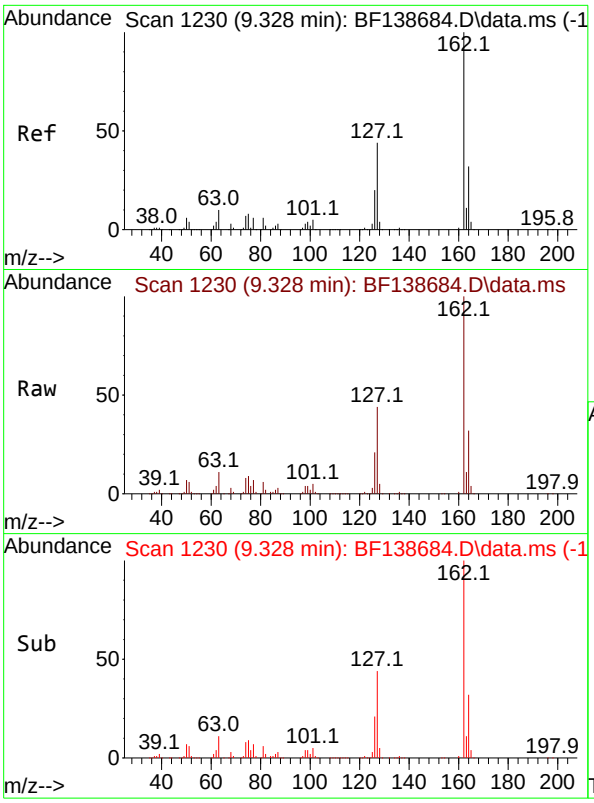


#46
1,1'-Biphenyl
Concen: 39.303 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



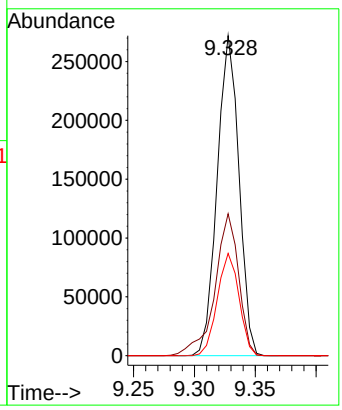


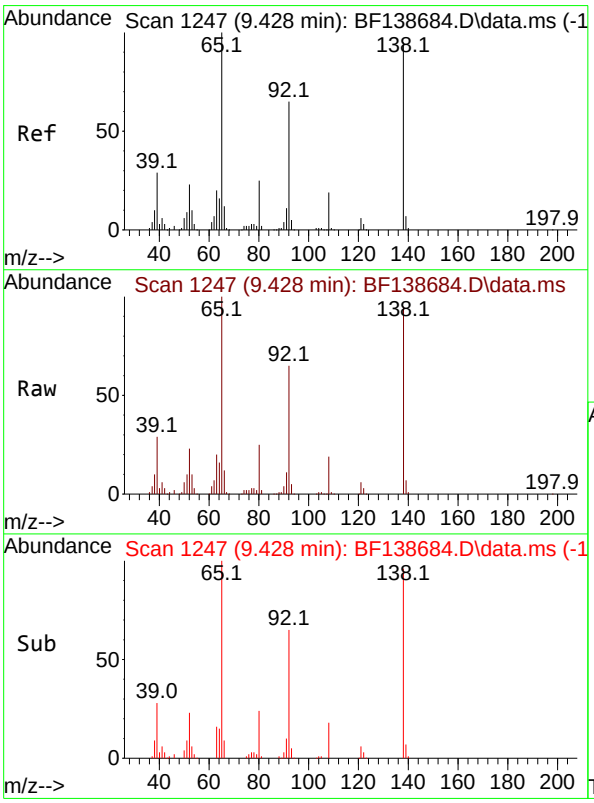
#47
2-Chloronaphthalene
Concen: 39.520 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

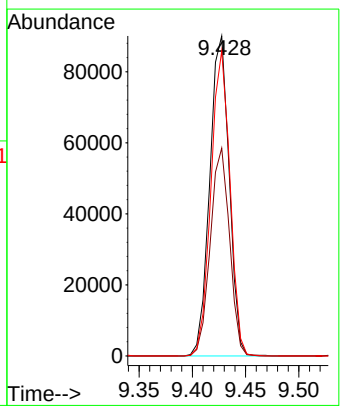


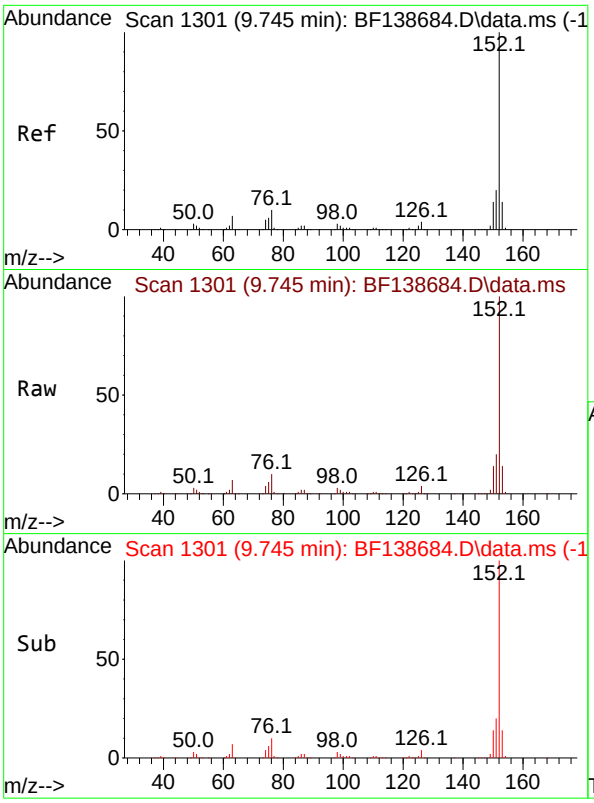


#48
2-Nitroaniline
Concen: 39.417 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



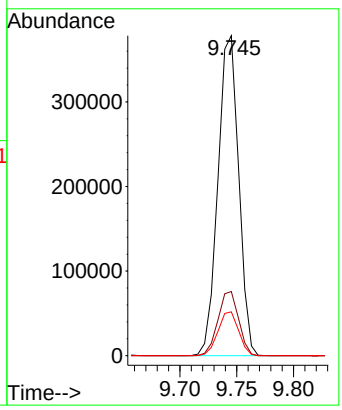


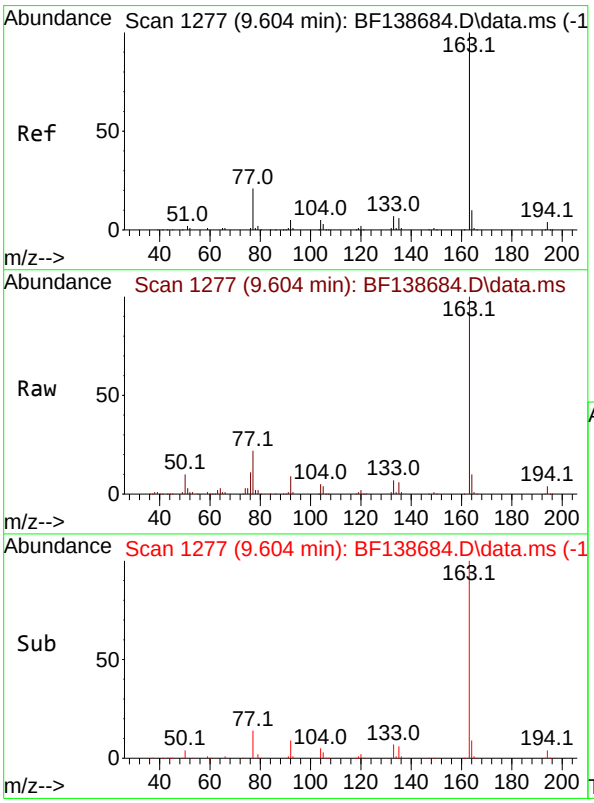
#49
Acenaphthylene
Concen: 39.633 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

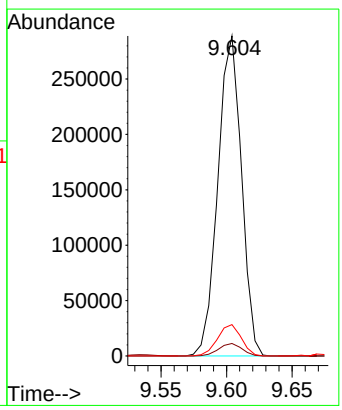


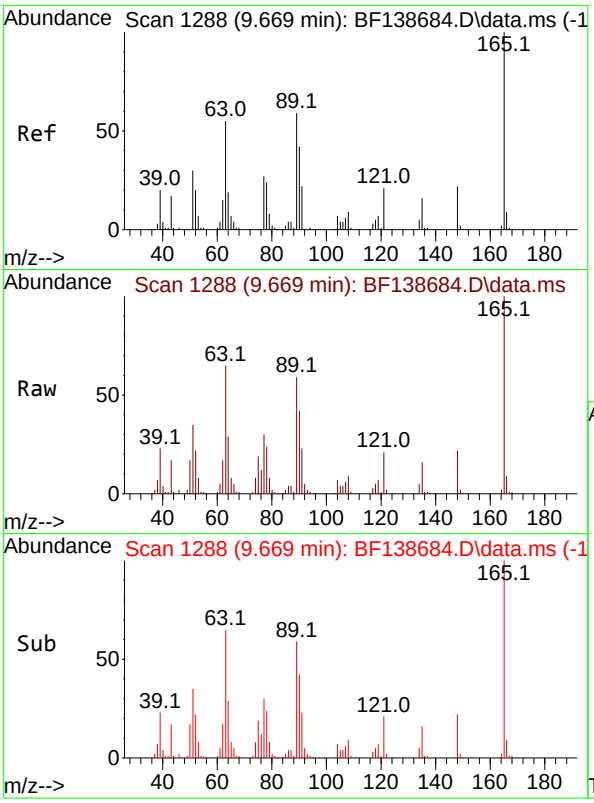


#50
Dimethylphthalate
Concen: 38.452 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



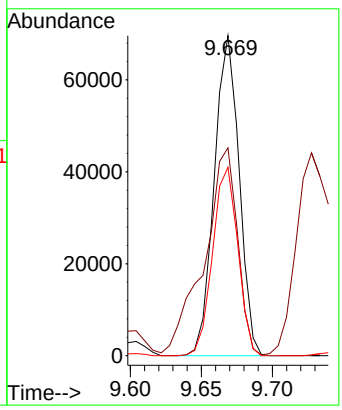


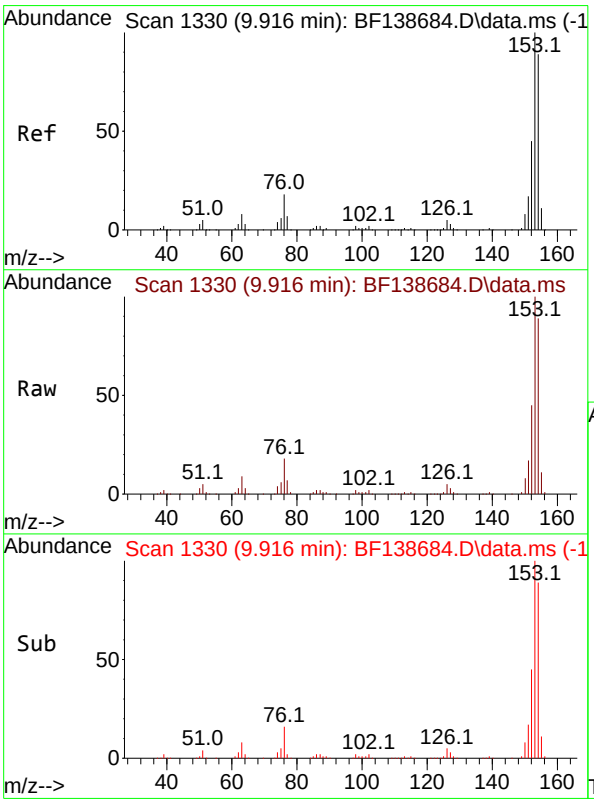
#51
2,6-Dinitrotoluene
Concen: 39.918 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

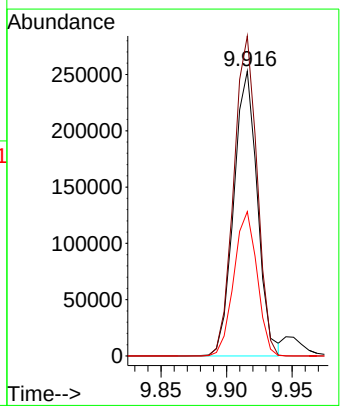


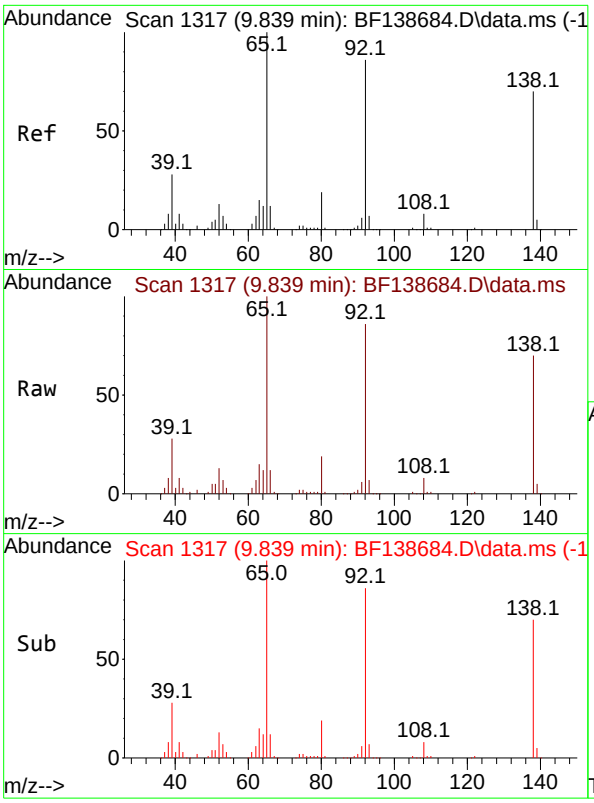


#52
Acenaphthene
Concen: 38.964 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



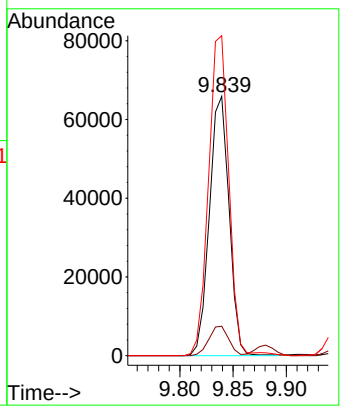


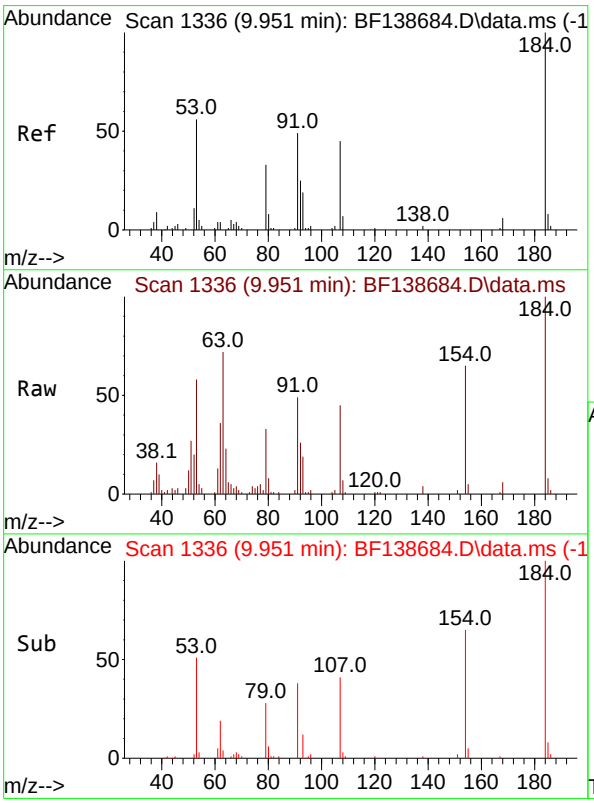
#53
3-Nitroaniline
Concen: 38.633 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

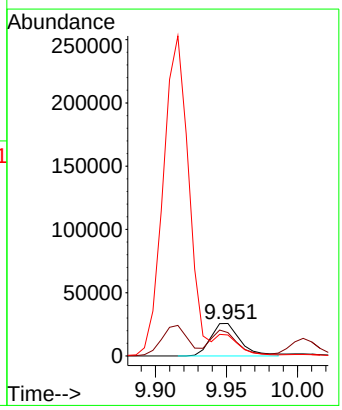


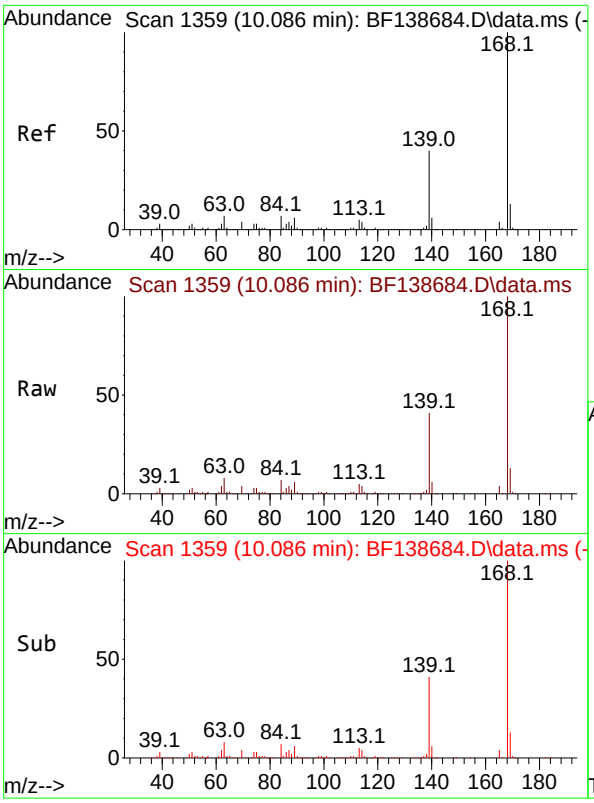


#54
2,4-Dinitrophenol
Concen: 38.289 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



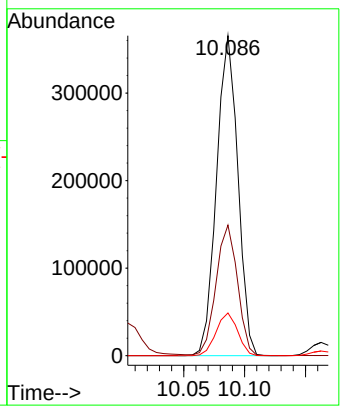


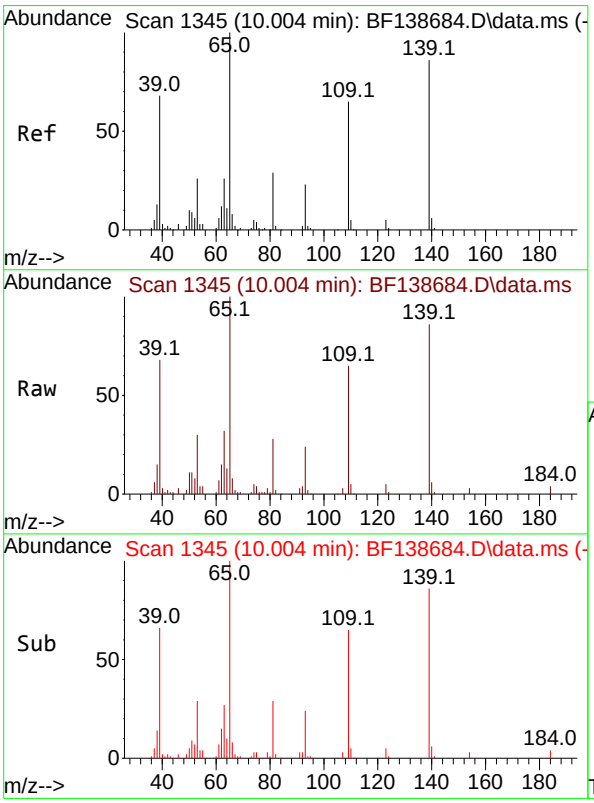
#55
Dibenzofuran
Concen: 38.648 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

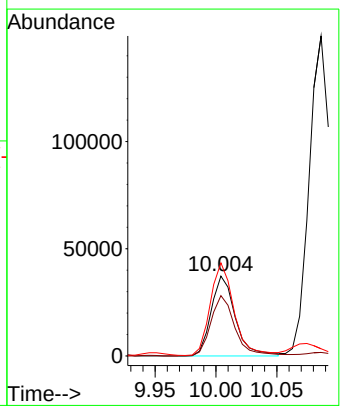


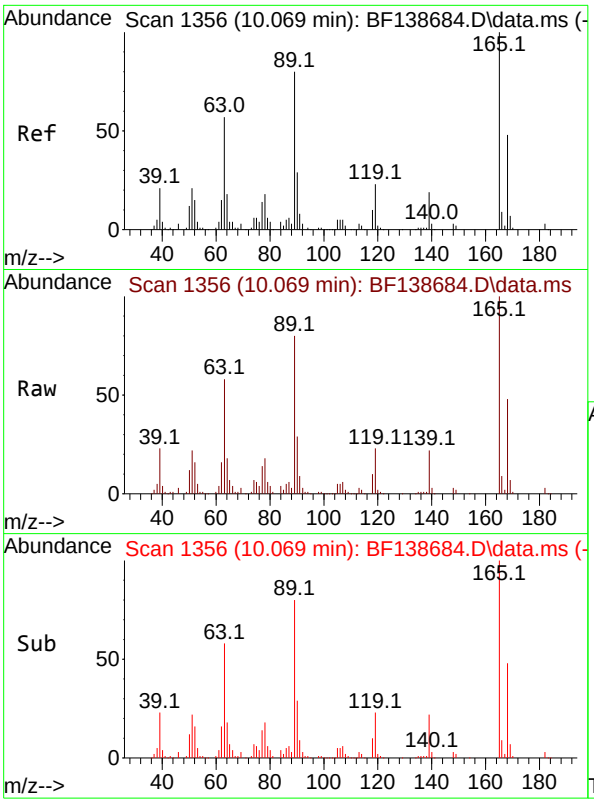


#56
4-Nitrophenol
Concen: 39.032 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



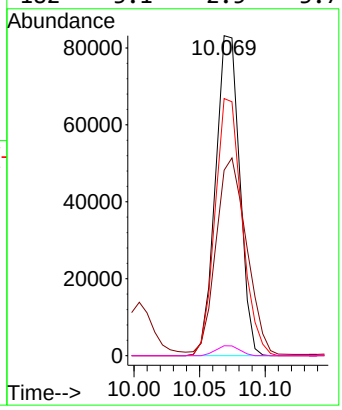


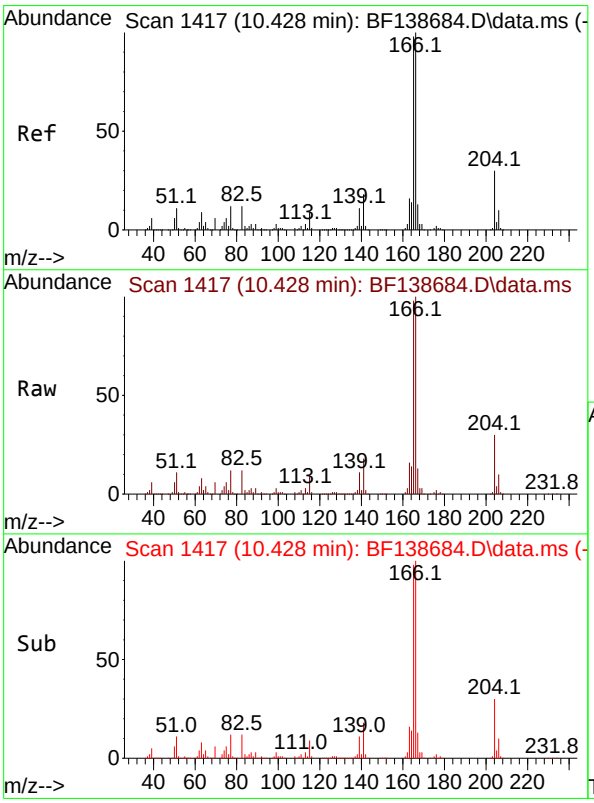
#57
2,4-Dinitrotoluene
Concen: 39.341 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

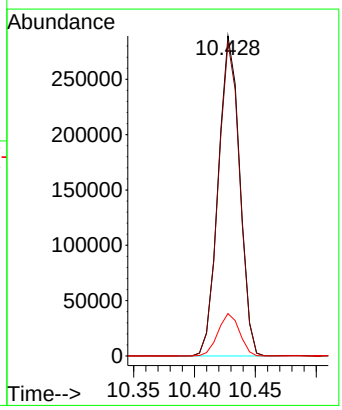


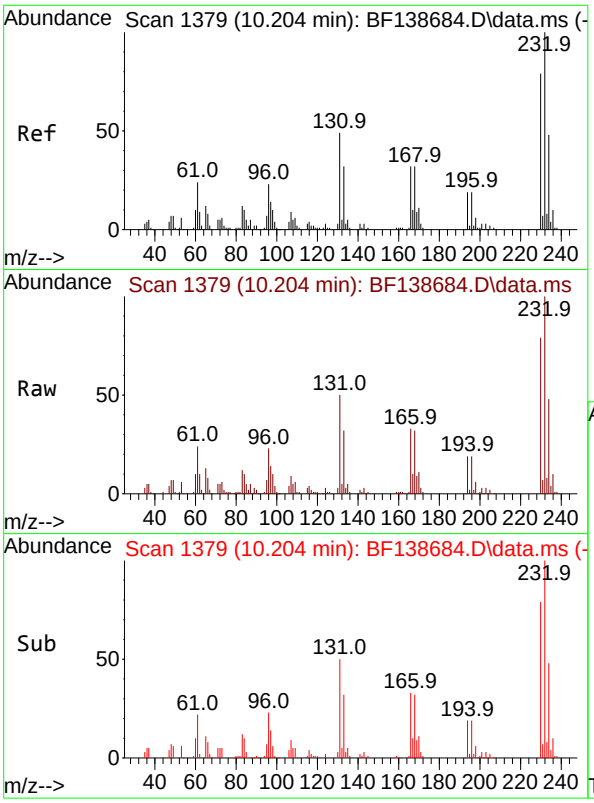


#58
Fluorene
Concen: 38.634 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



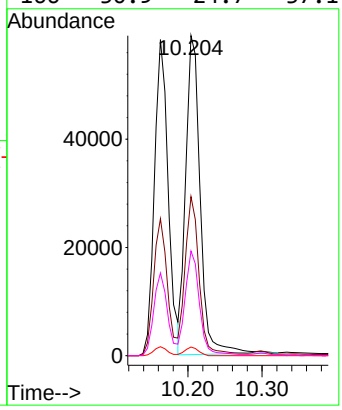


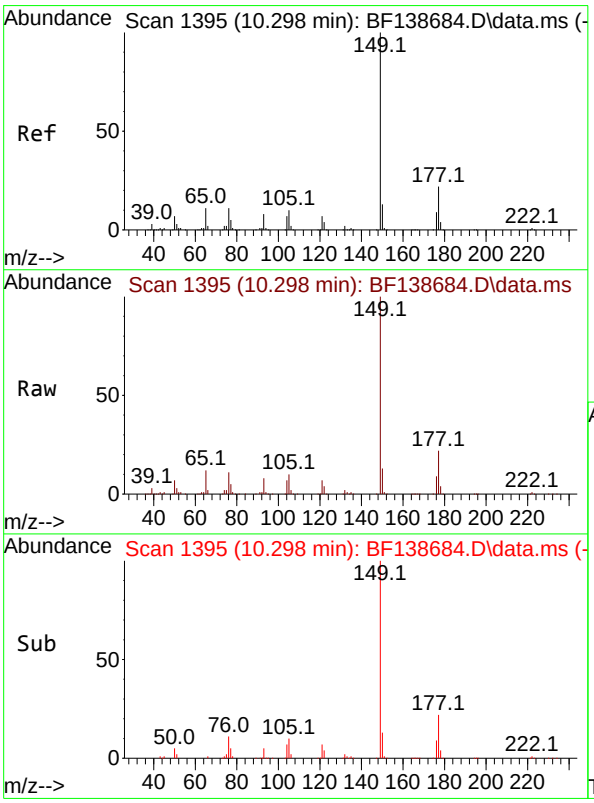
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.673 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

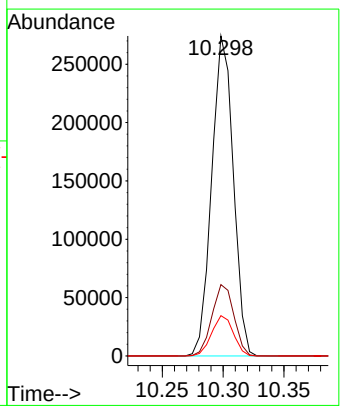


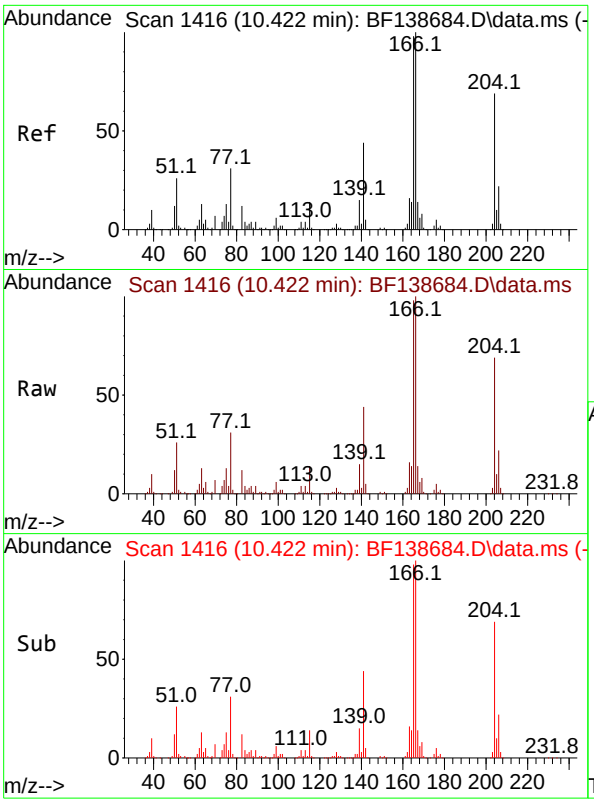


#60
Diethylphthalate
Concen: 38.114 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



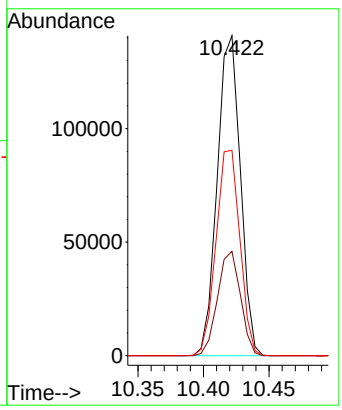


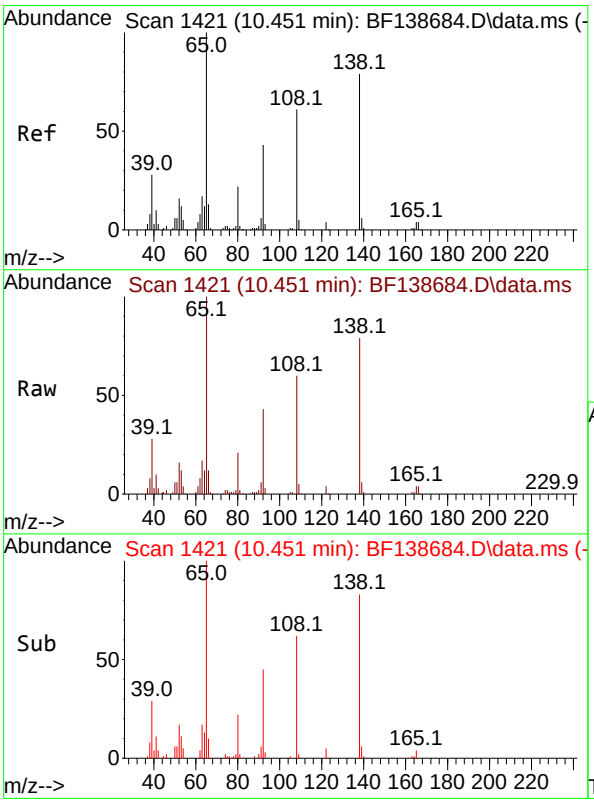
#61
4-Chlorophenyl-phenylether
Concen: 38.346 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

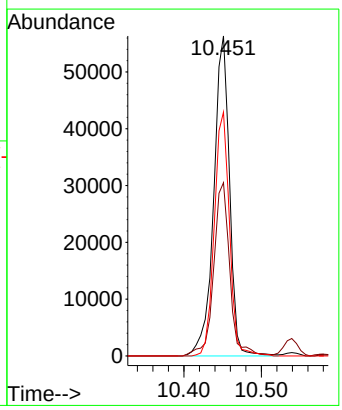


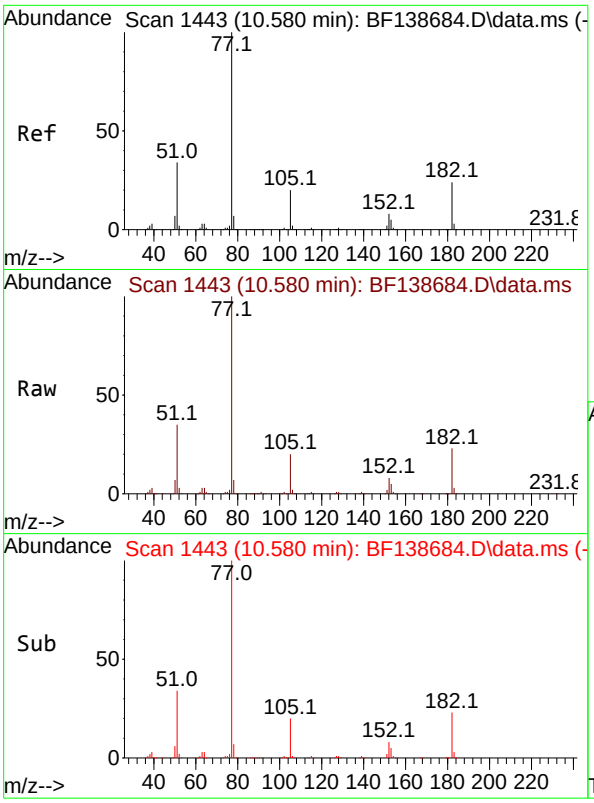


#62
4-Nitroaniline
Concen: 38.360 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



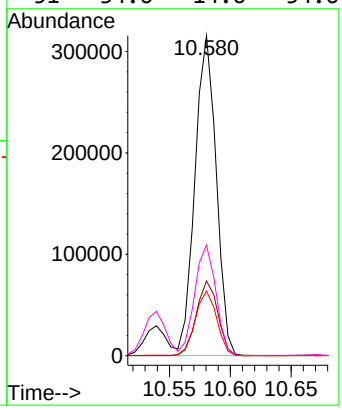


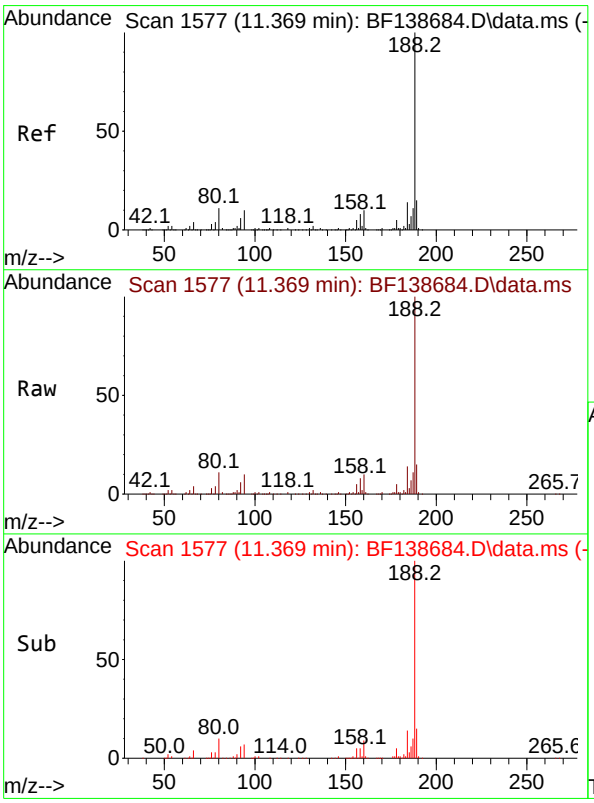
#63
Azobenzene
Concen: 38.662 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

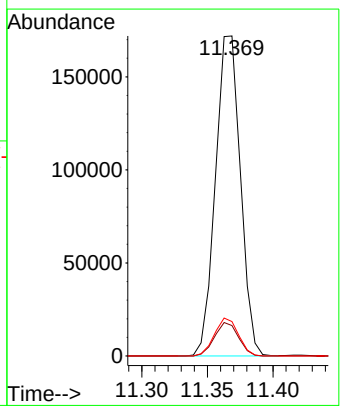


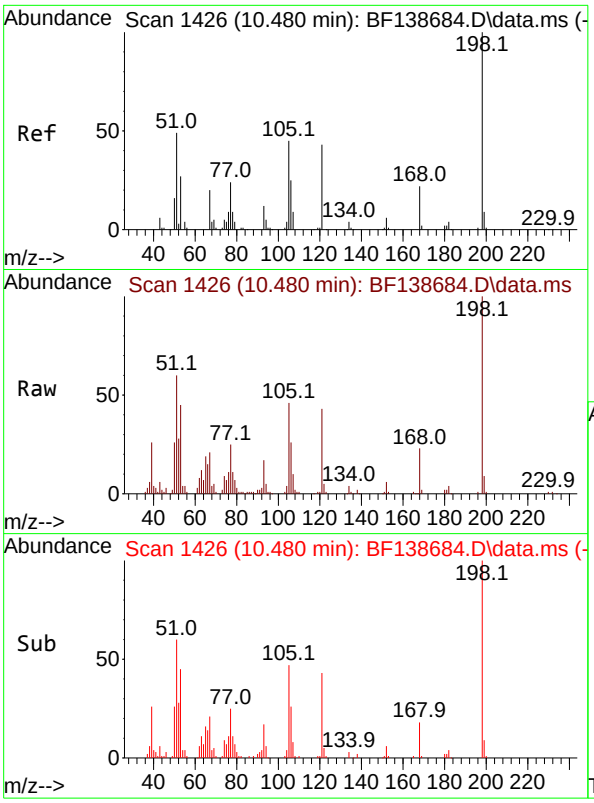


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



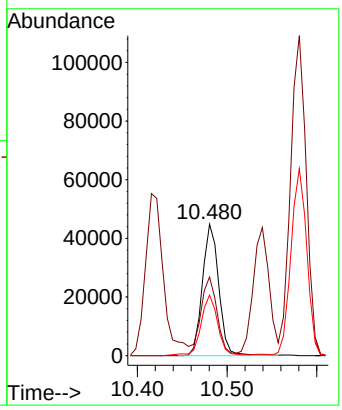


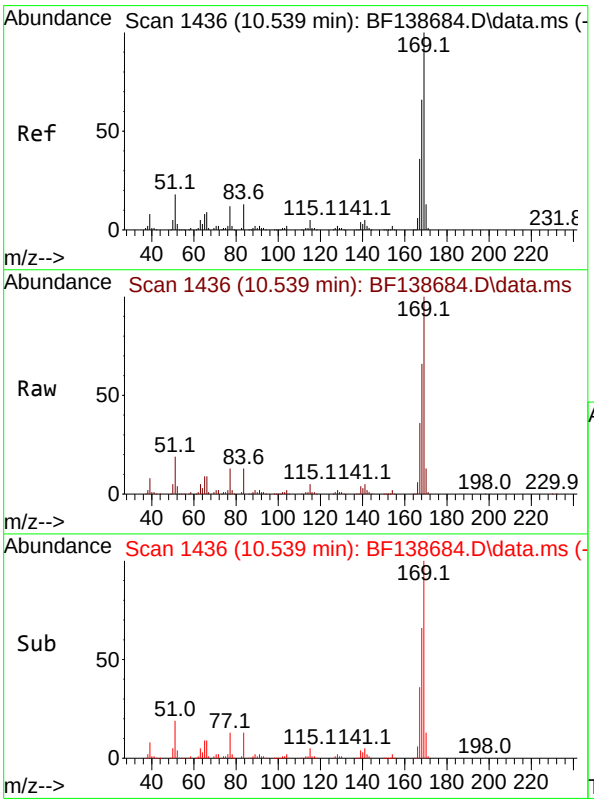
#65
4,6-Dinitro-2-methylphenol
Concen: 40.852 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

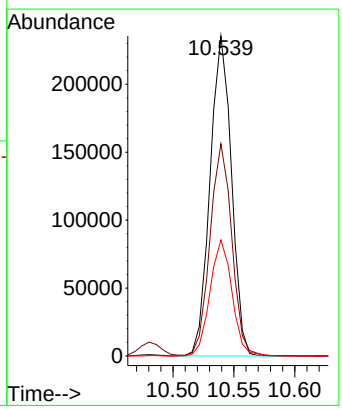


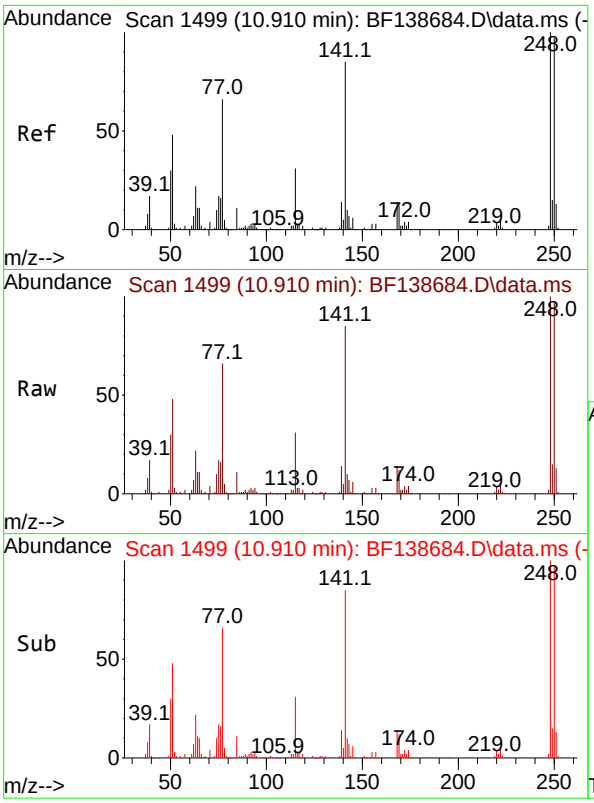


#66
n-Nitrosodiphenylamine
Concen: 40.397 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



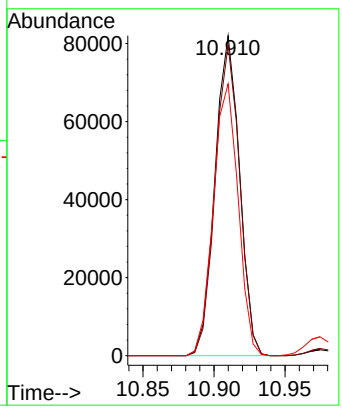


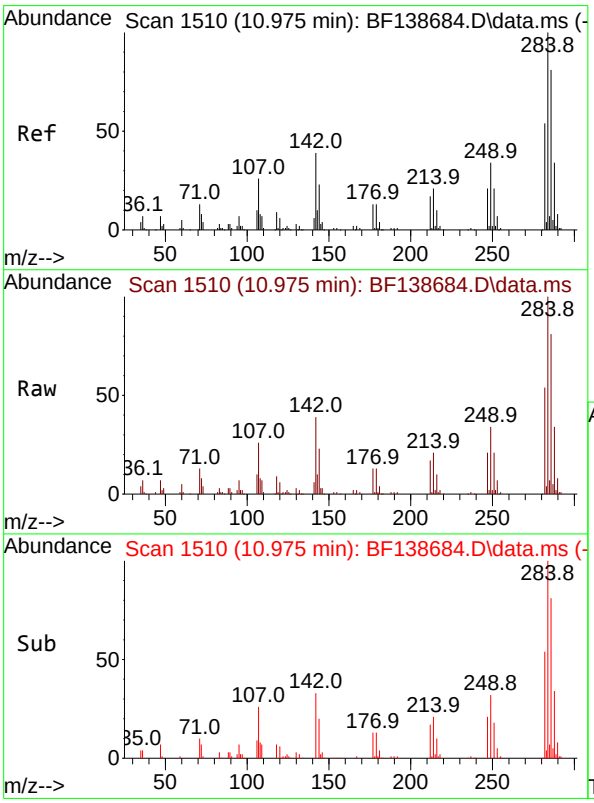
#67
4-Bromophenyl-phenylether
Concen: 40.031 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

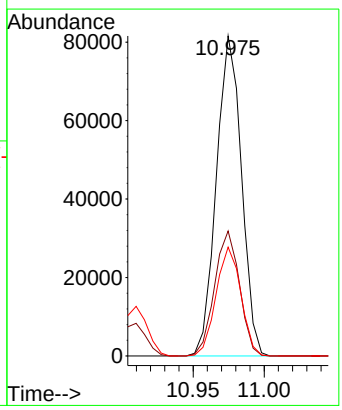


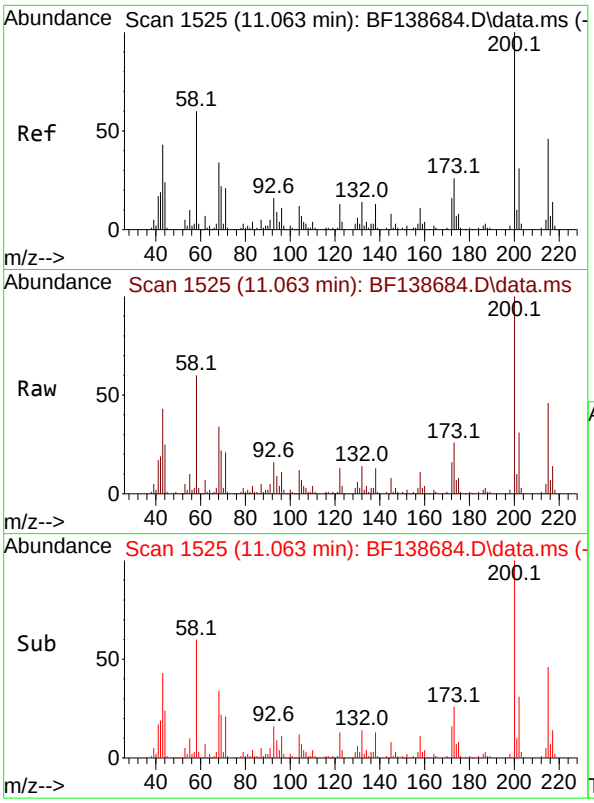


#68
Hexachlorobenzene
Concen: 39.354 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



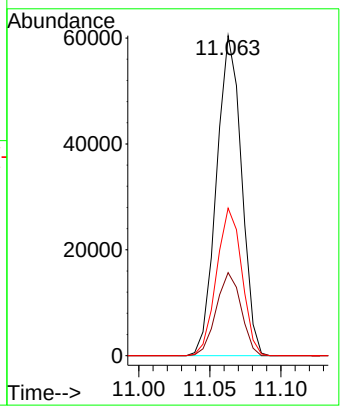


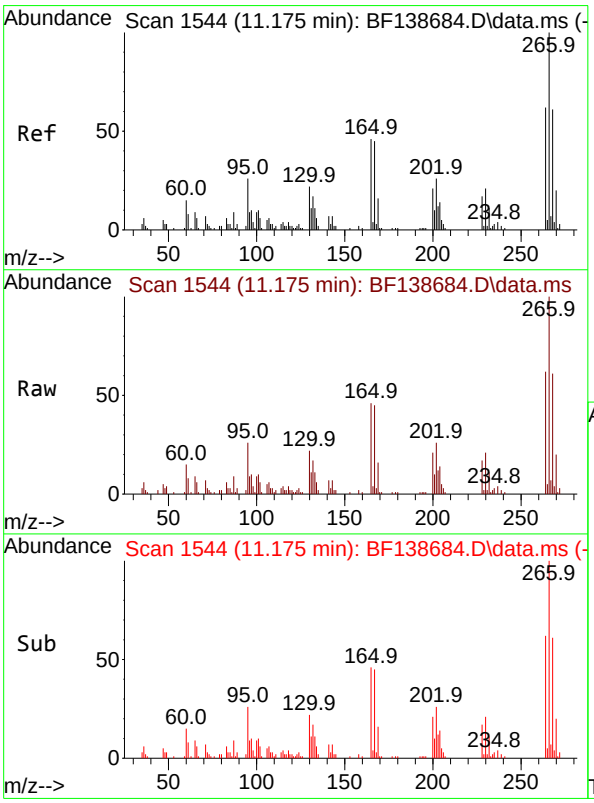
#69
Atrazine
Concen: 40.295 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

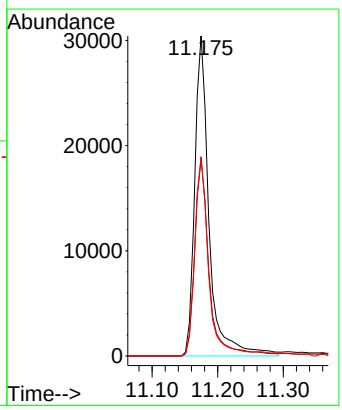


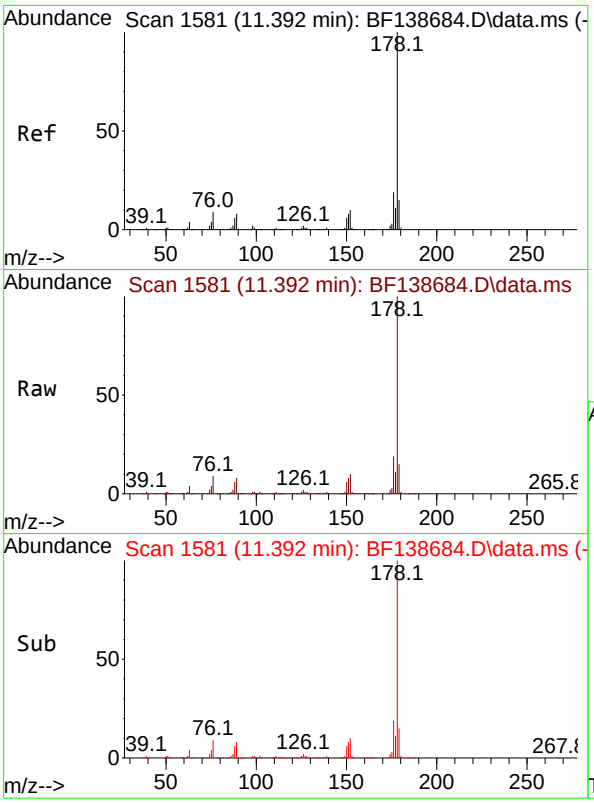


#70
Pentachlorophenol
Concen: 40.533 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



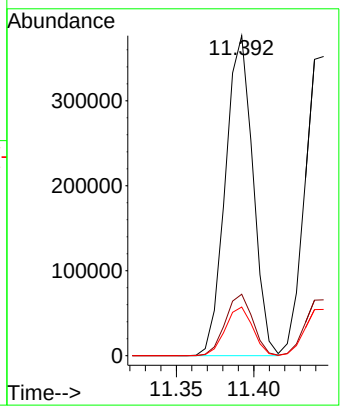


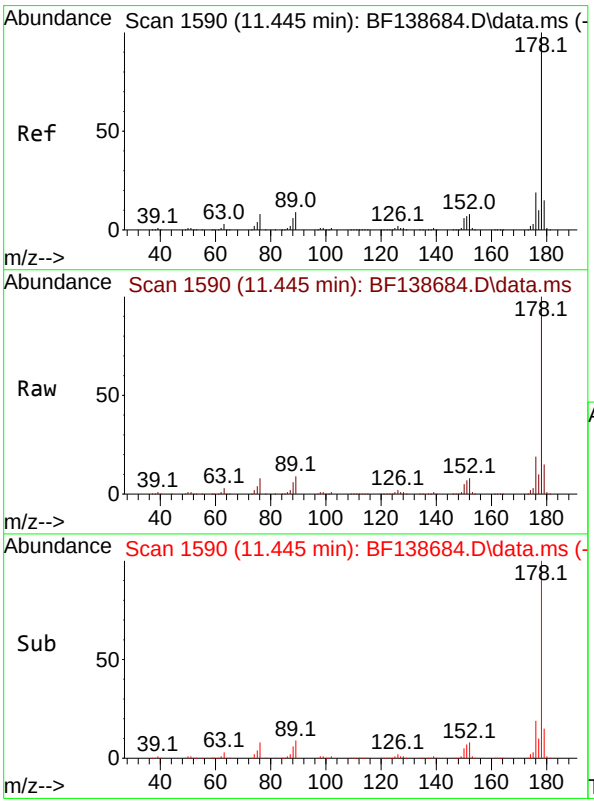
#71
Phenanthrene
Concen: 39.658 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

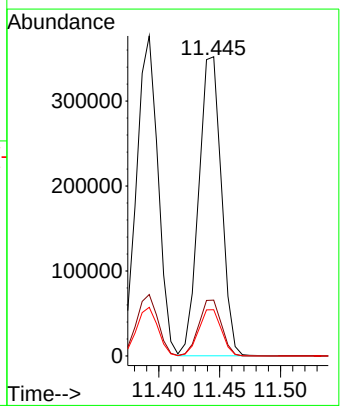


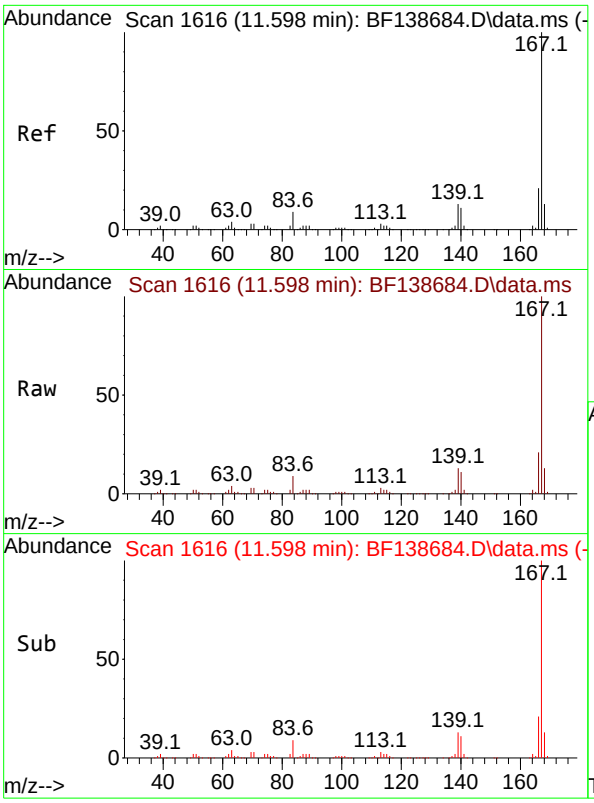


#72
Anthracene
Concen: 39.526 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



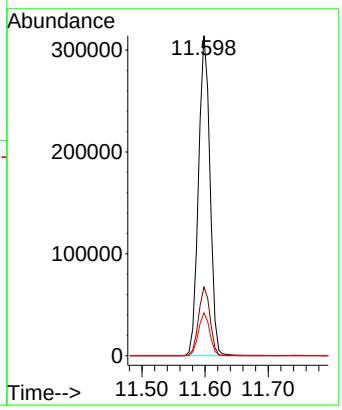


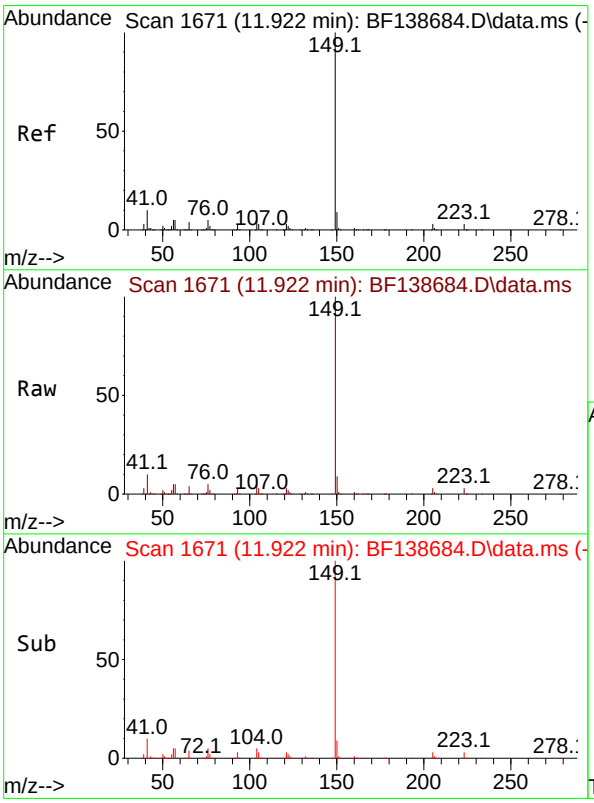
#73
Carbazole
Concen: 39.739 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

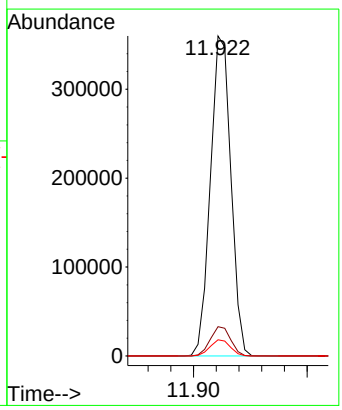


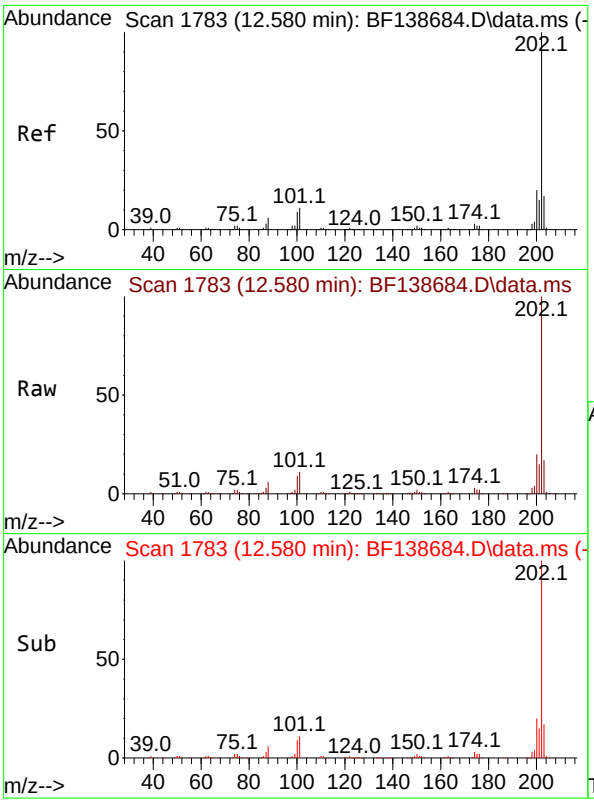


#74
Di-n-butylphthalate
Concen: 40.293 ng
RT: 11.922 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



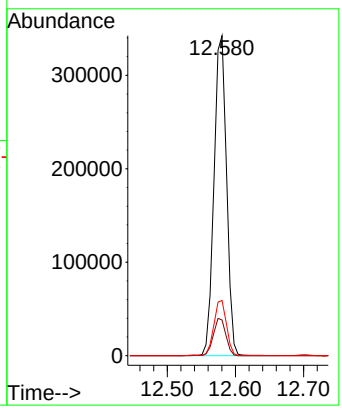


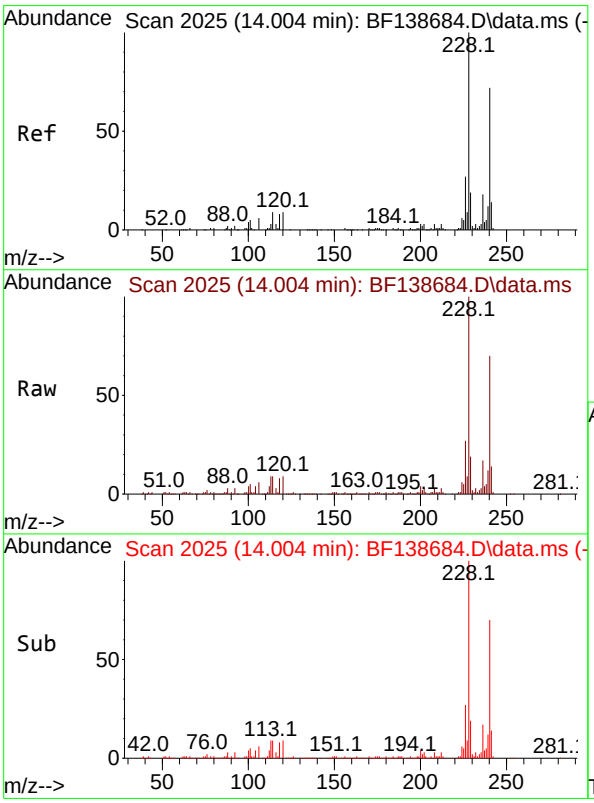
#75
Fluoranthene
Concen: 40.144 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

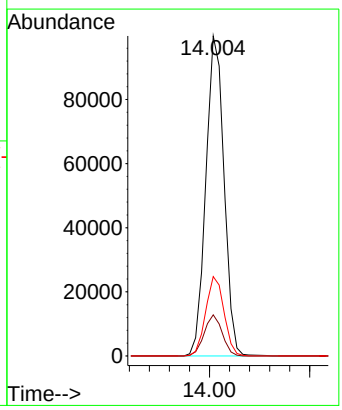


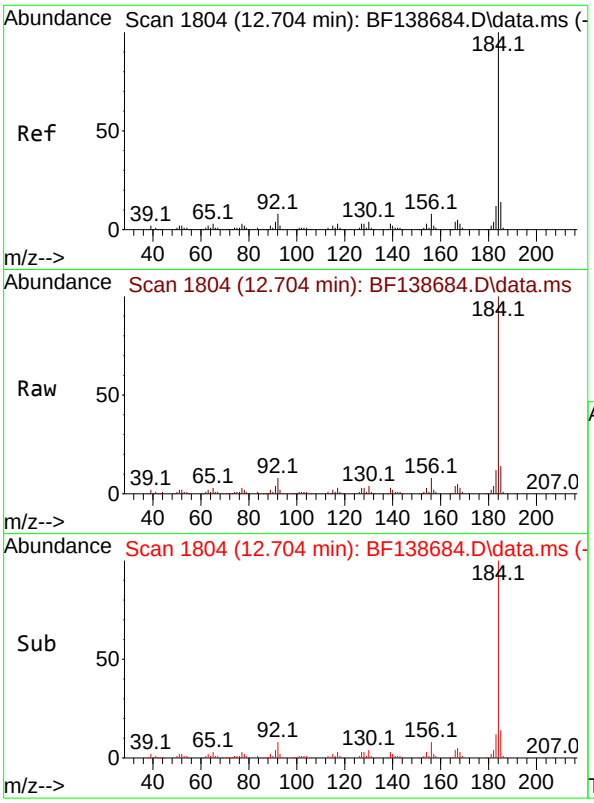


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



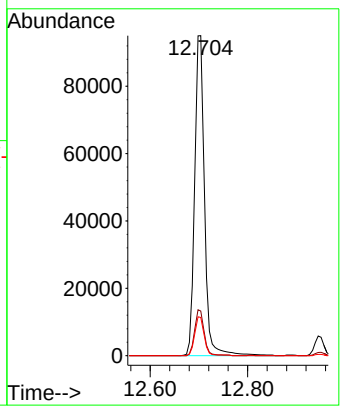


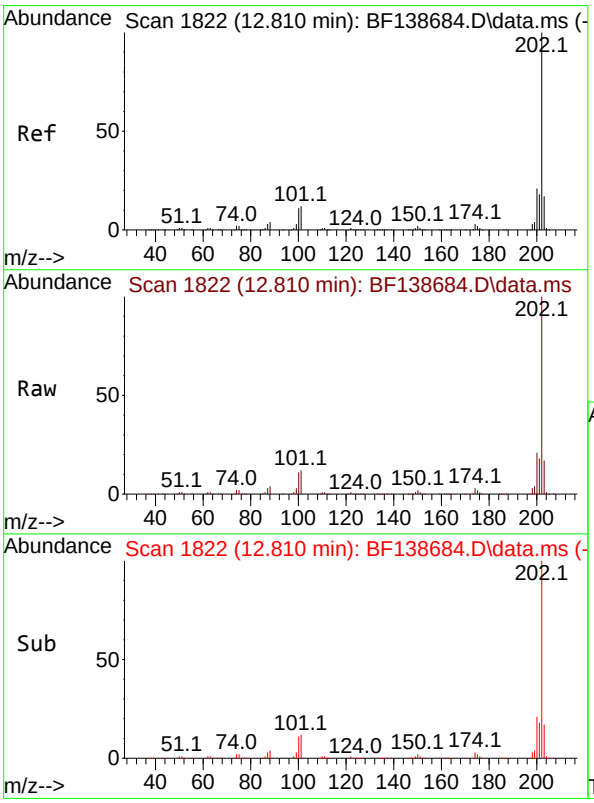
#77
Benzidine
Concen: 44.725 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

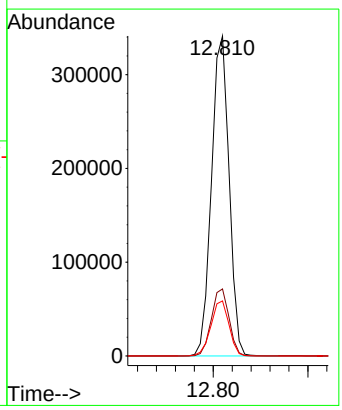


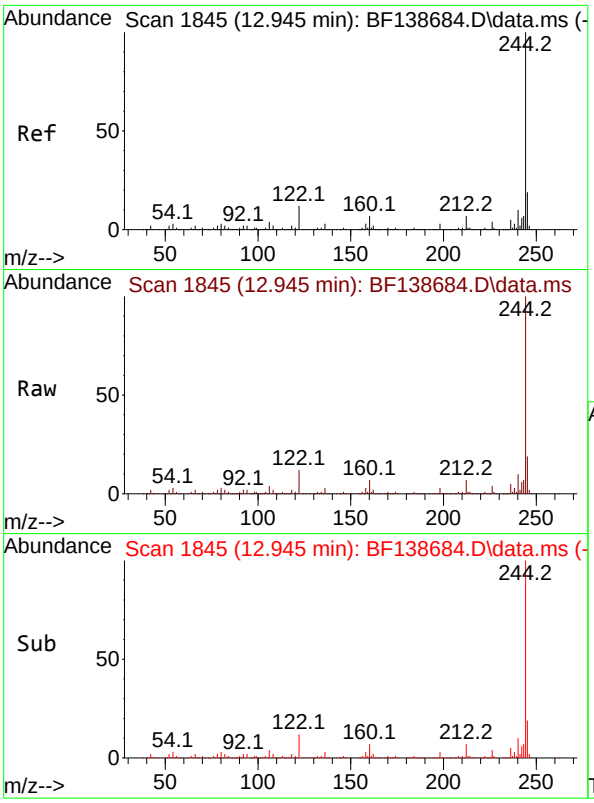


#78
Pyrene
Concen: 37.167 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



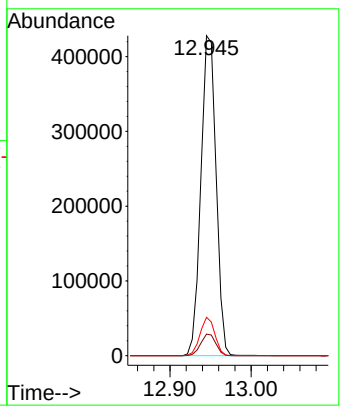


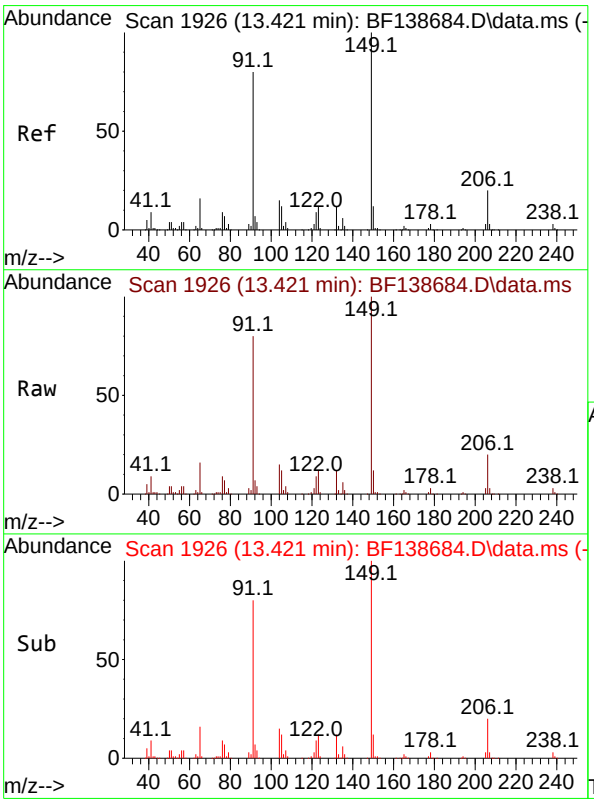
#79
Terphenyl-d14
Concen: 74.045 ng
RT: 12.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

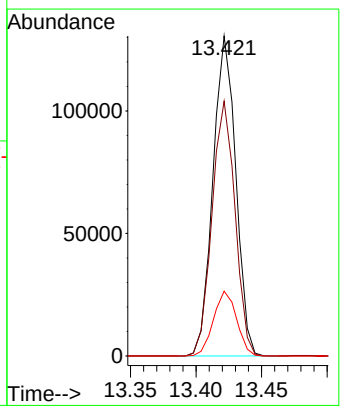


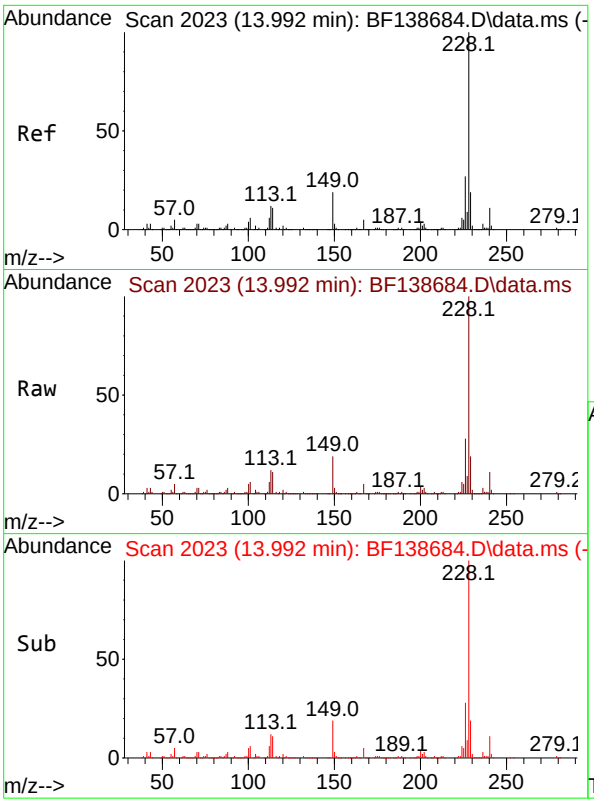


#80
Butylbenzylphthalate
Concen: 41.637 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



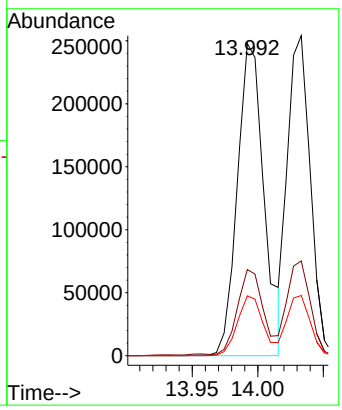


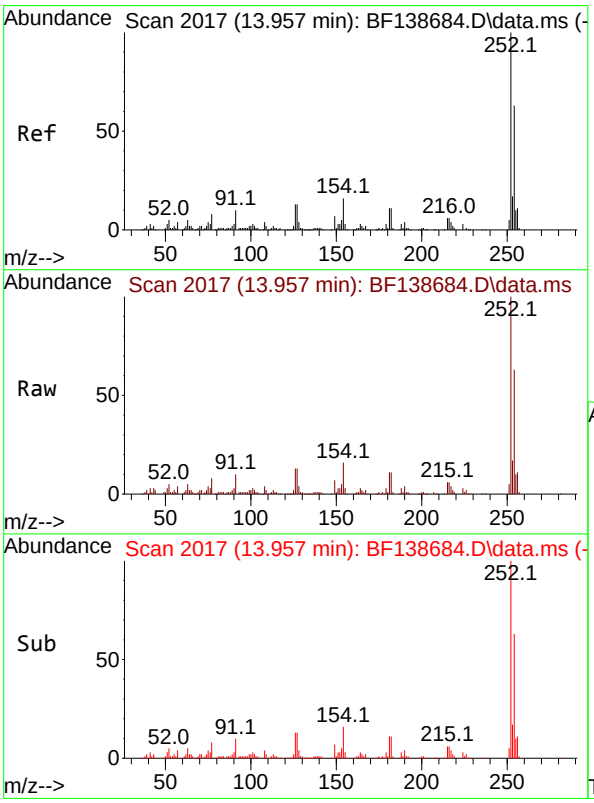
#81
Benzo(a)anthracene
Concen: 40.528 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

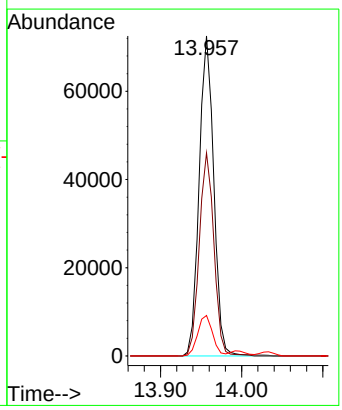


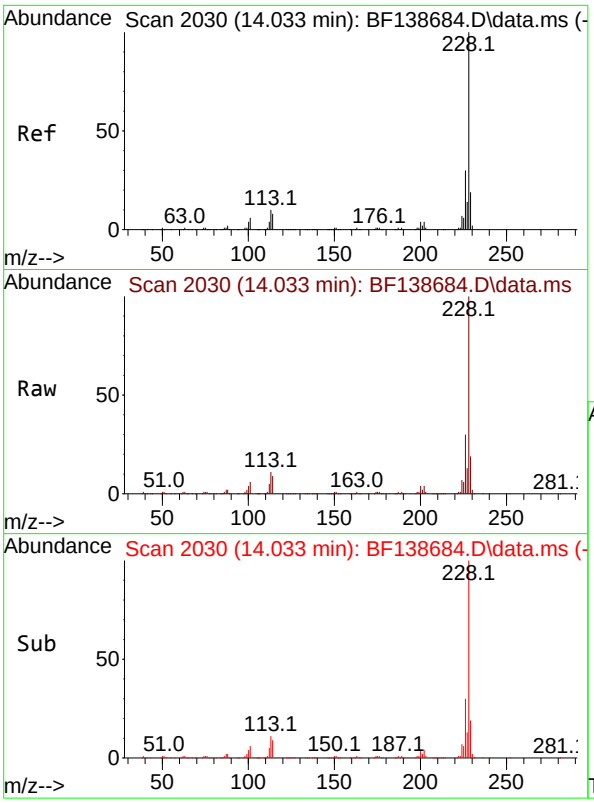


#82
3,3'-Dichlorobenzidine
Concen: 40.825 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



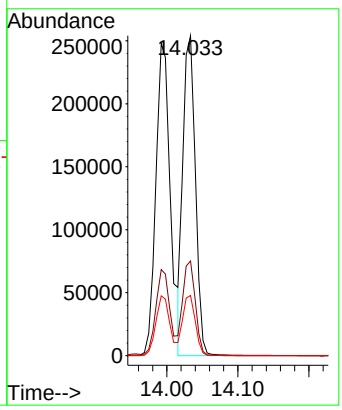


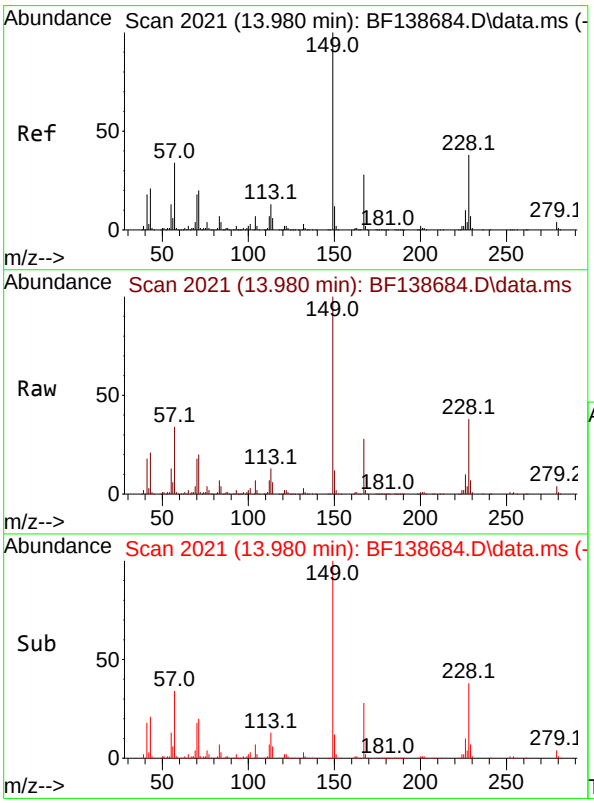
#83
Chrysene
Concen: 39.343 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

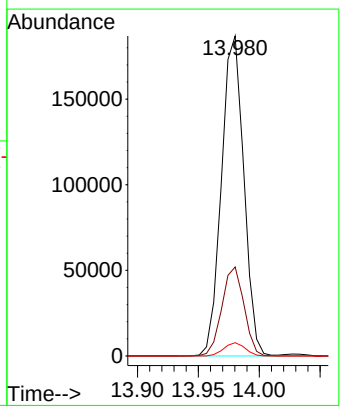


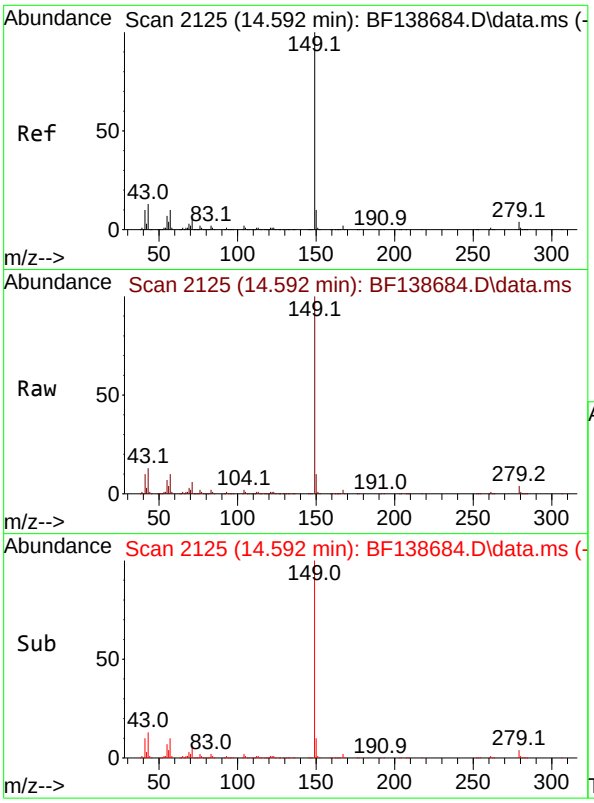


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.951 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



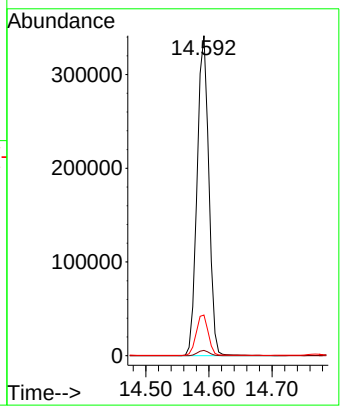


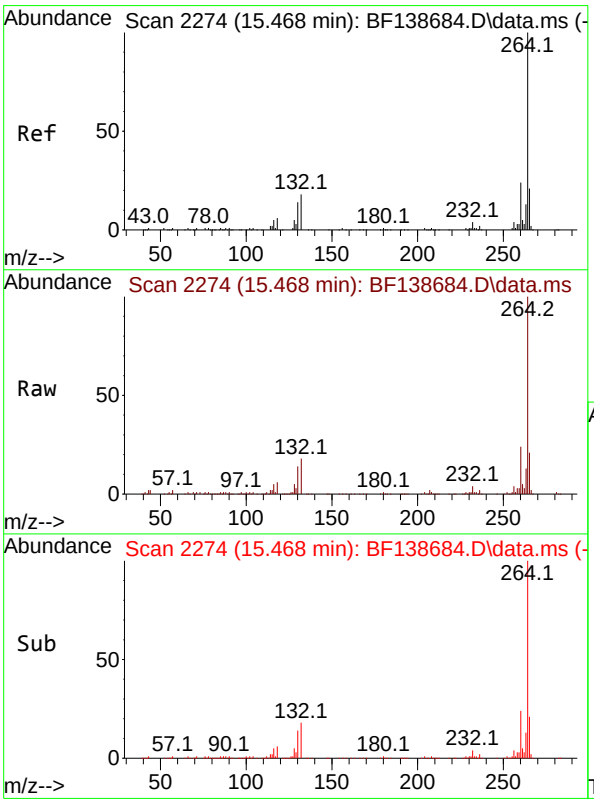
#85
Di-n-octyl phthalate
Concen: 42.690 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

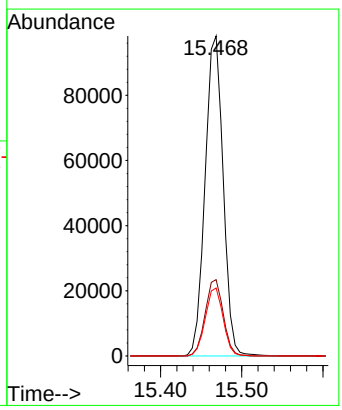


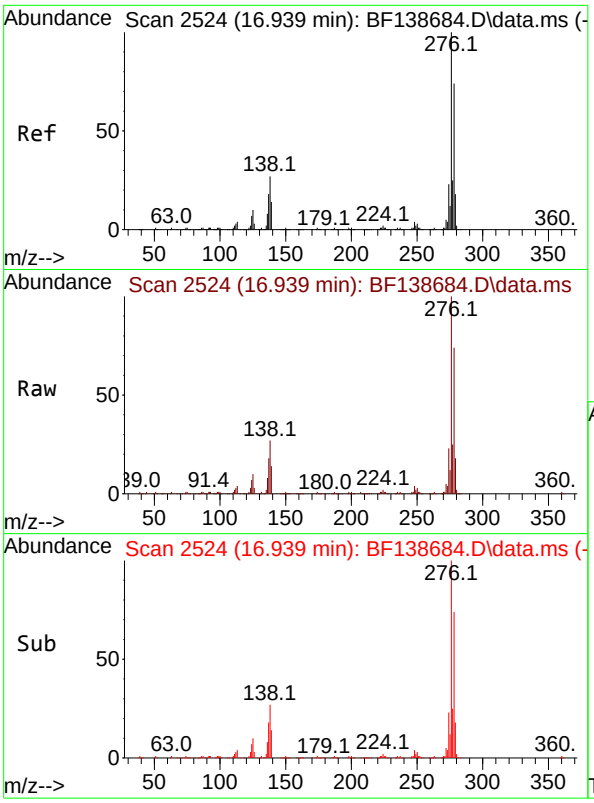


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



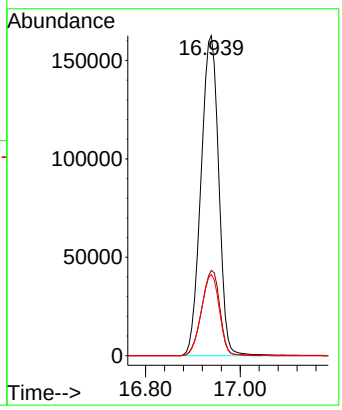


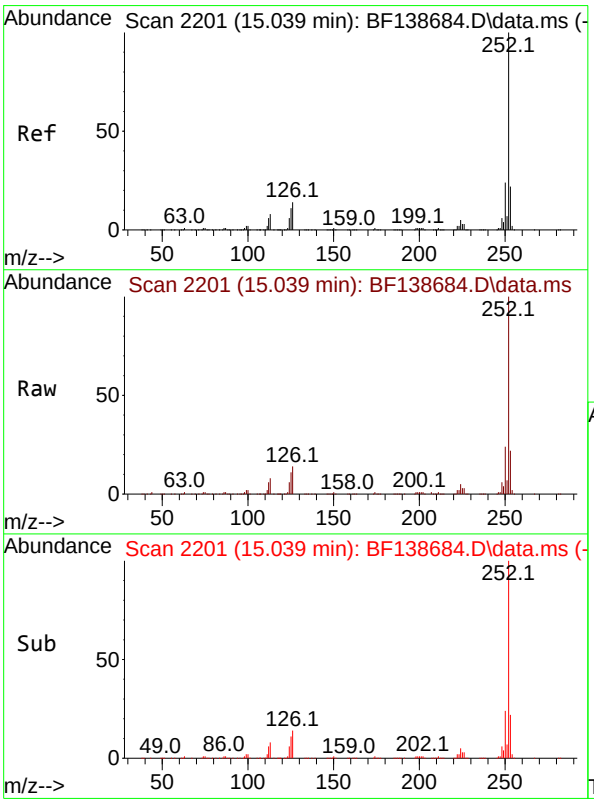
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.929 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

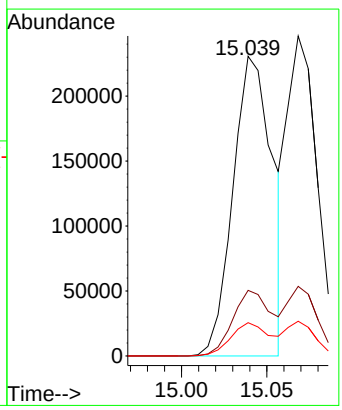


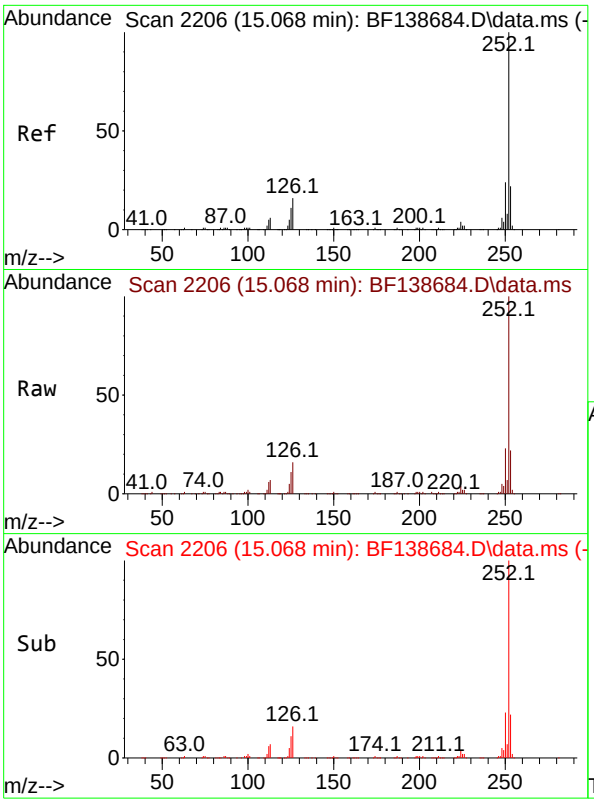


#88
Benzo(b)fluoranthene
Concen: 39.653 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



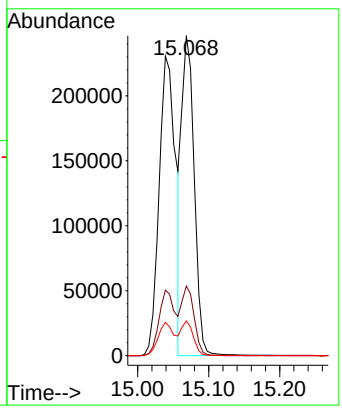


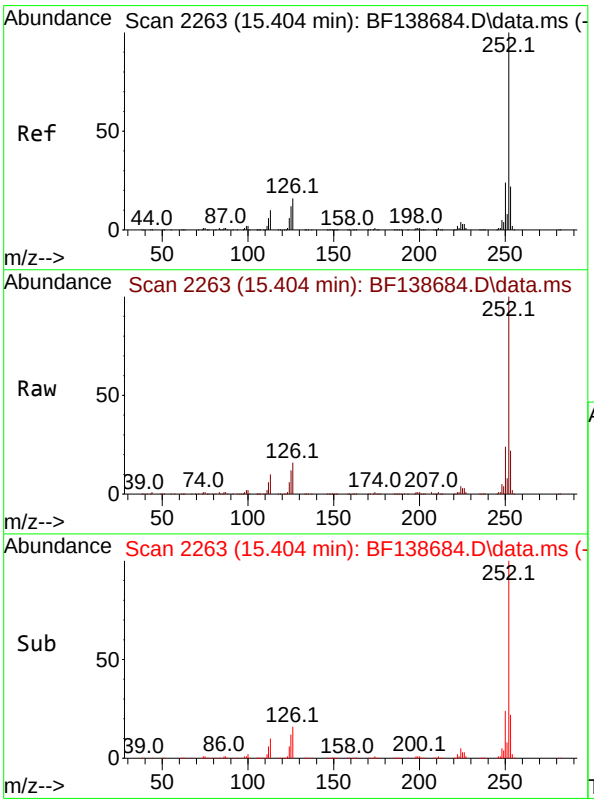
#89
Benzo(k)fluoranthene
Concen: 37.326 ng
RT: 15.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

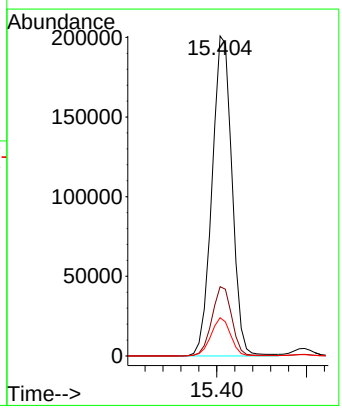


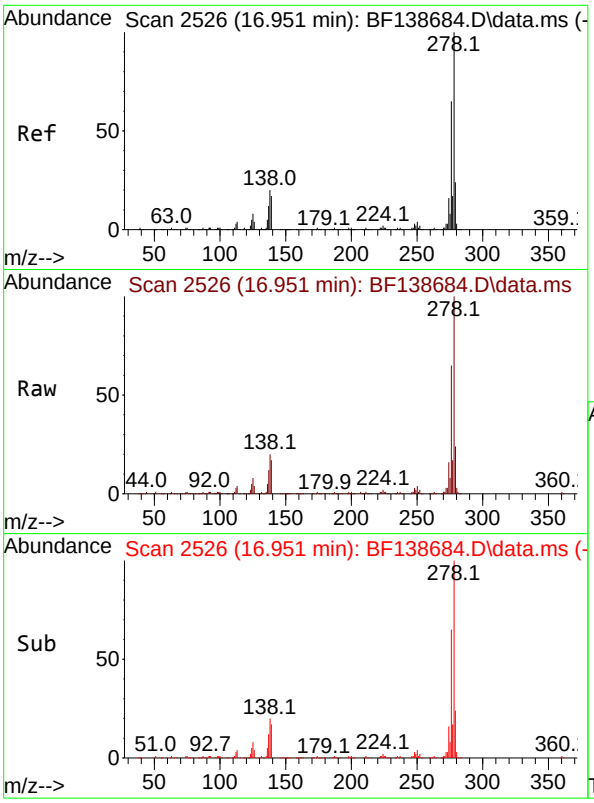


#90
Benzo(a)pyrene
Concen: 39.228 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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



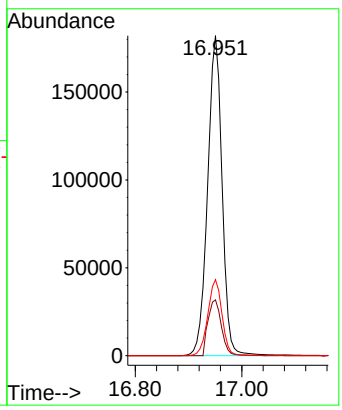


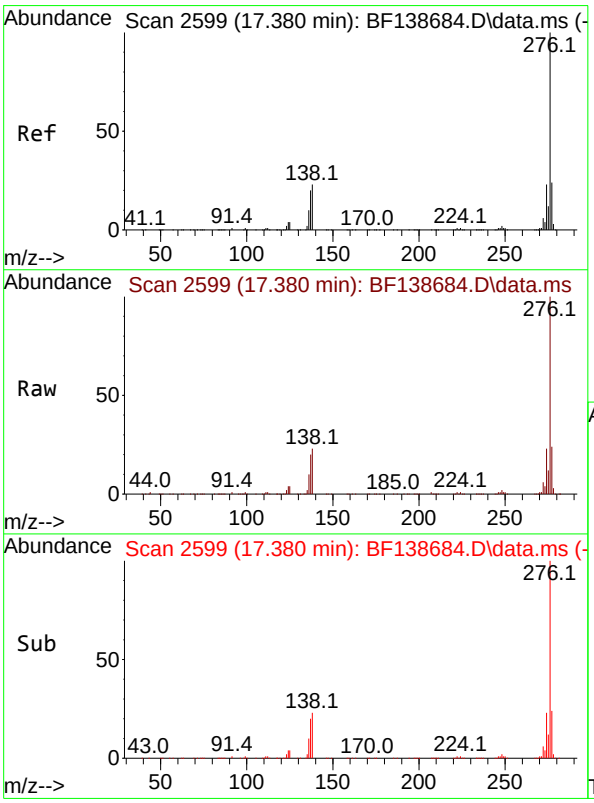
#91
Dibenzo(a,h)anthracene
Concen: 38.540 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

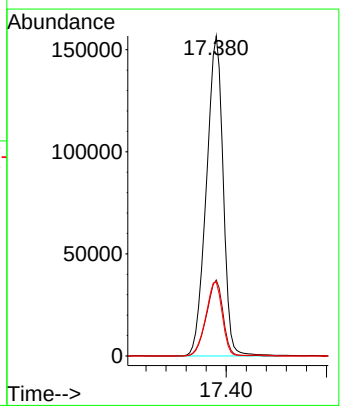




#92
Benzo(g,h,i)perylene
Concen: 39.273 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF138684.D
Acq: 30 Jul 2024 14:56

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

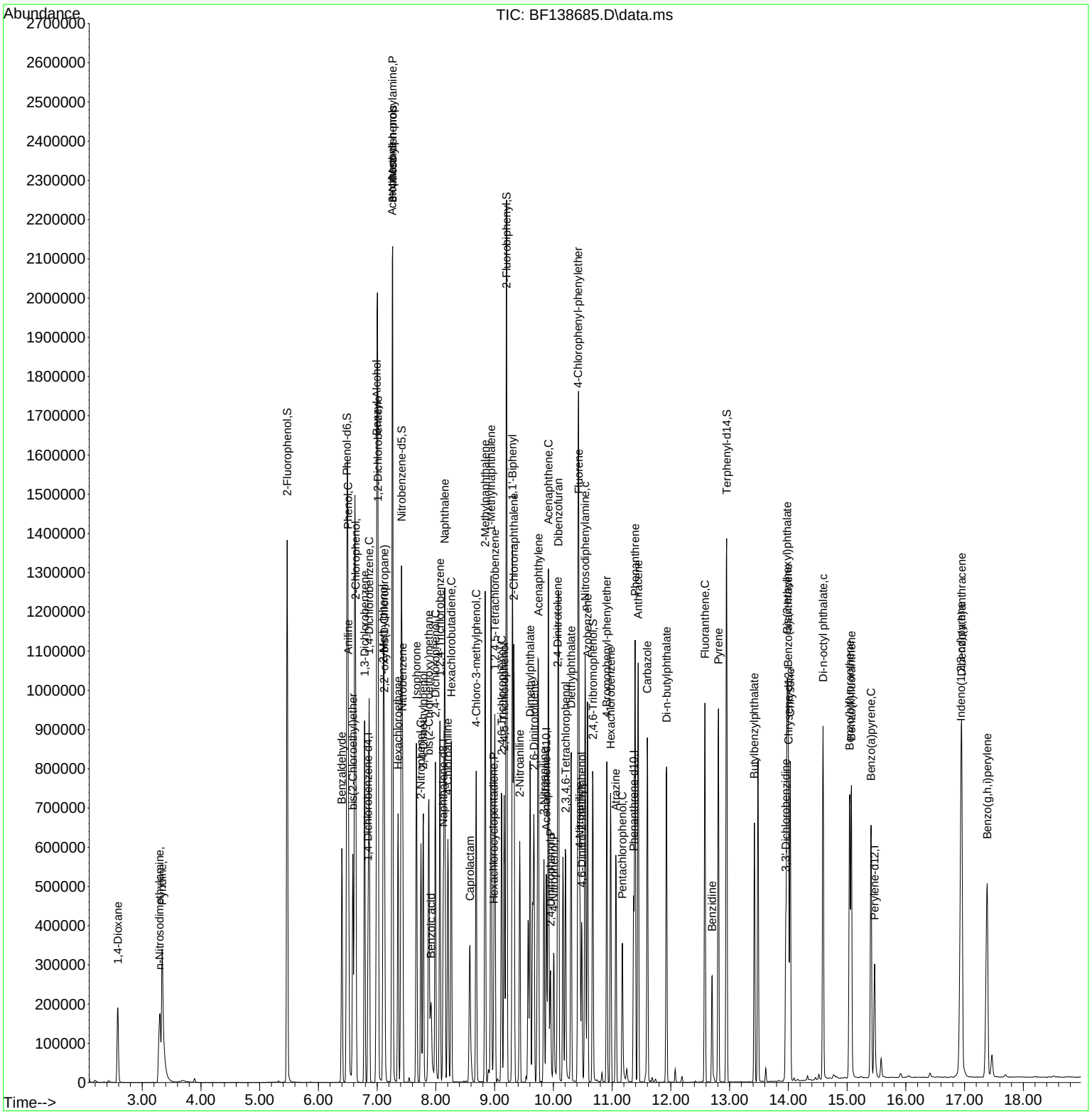
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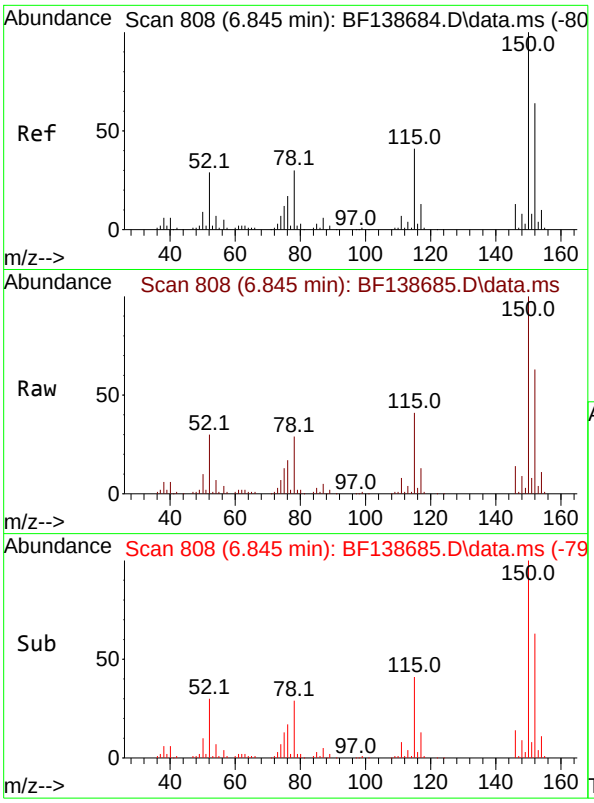
ICAL Form

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



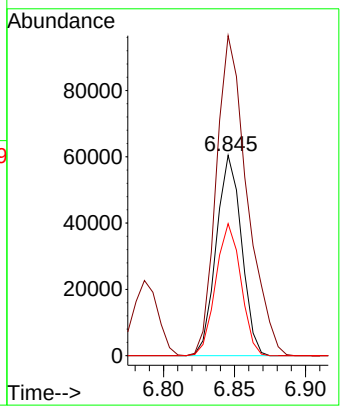


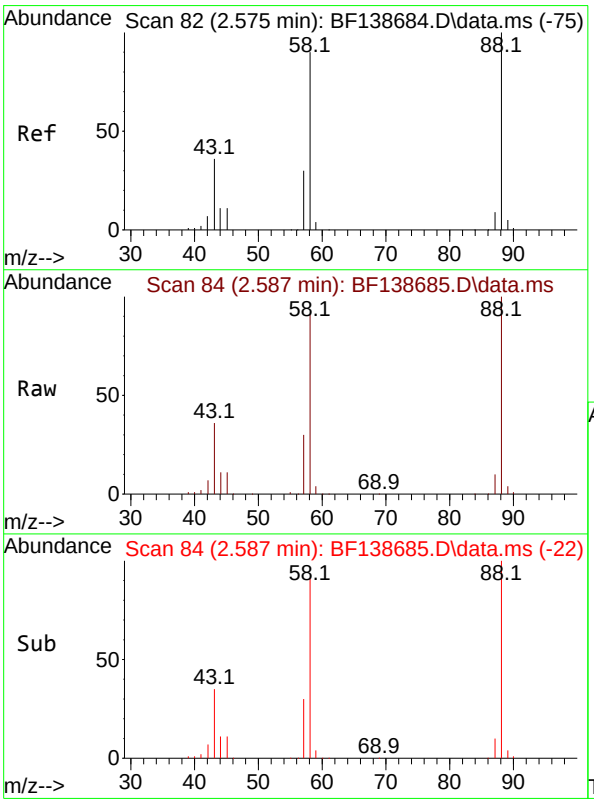
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

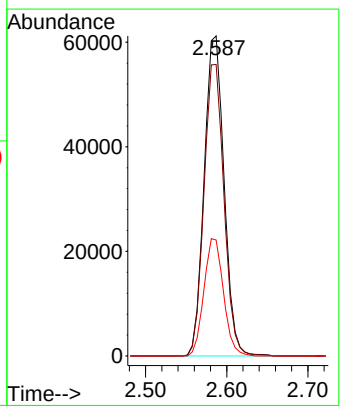


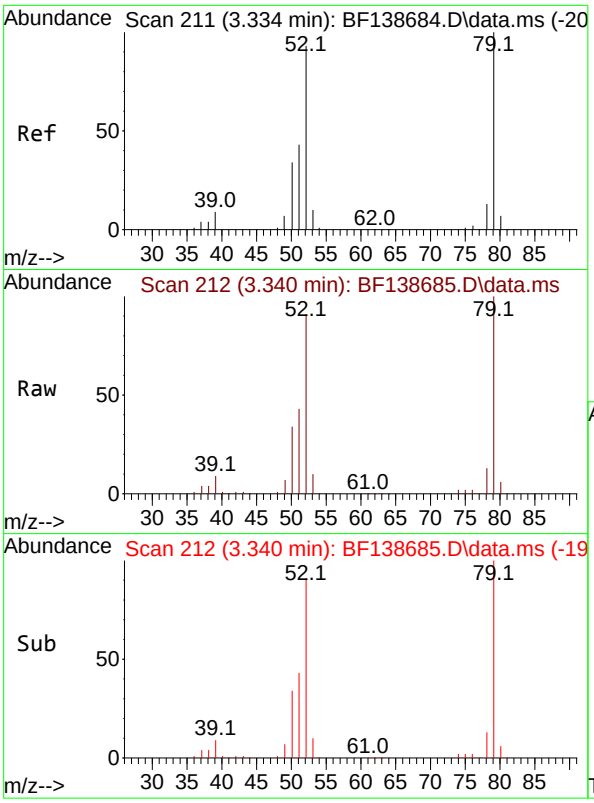


#2
1,4-Dioxane
Concen: 49.086 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



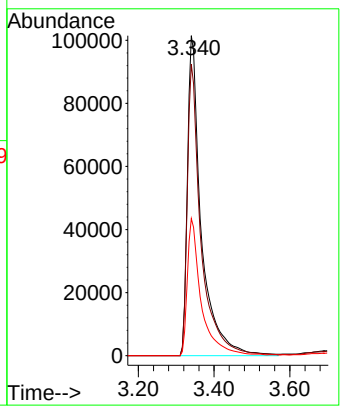


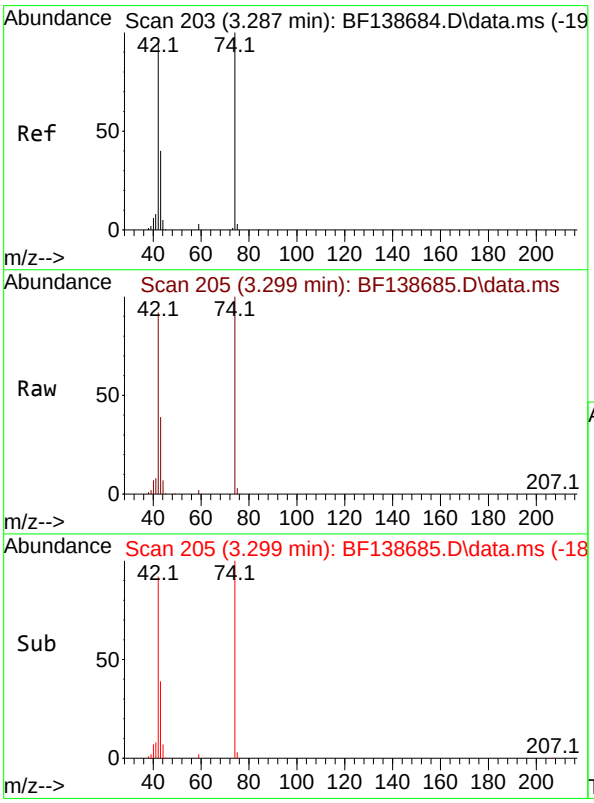
#3
Pyridine
Concen: 50.224 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

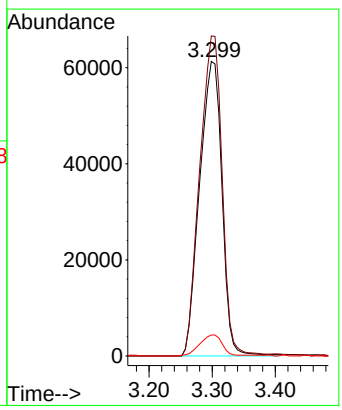


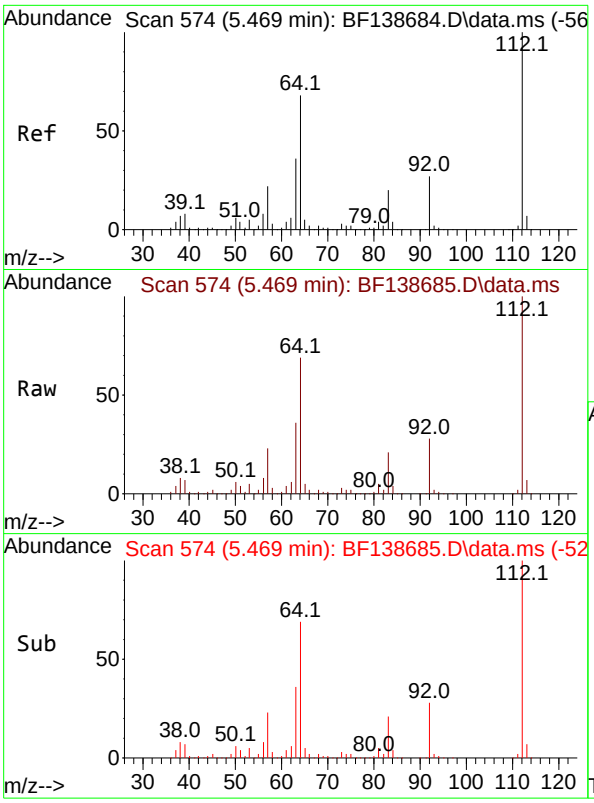


#4
n-Nitrosodimethylamine
Concen: 49.096 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



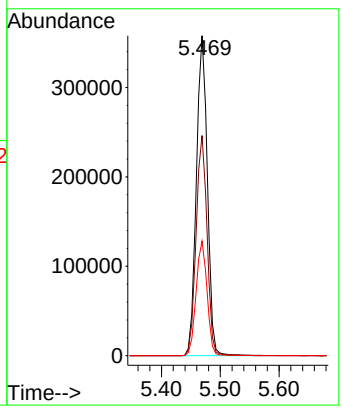


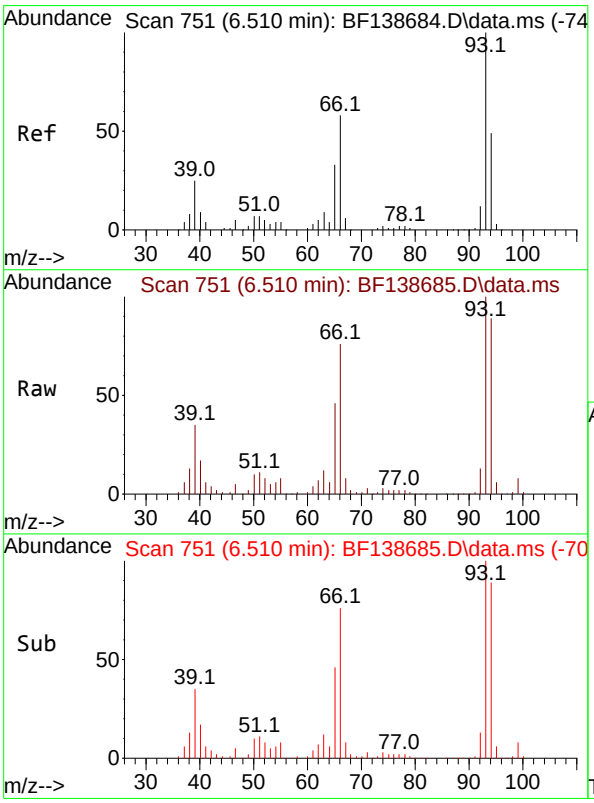
#5
2-Fluorophenol
Concen: 95.989 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

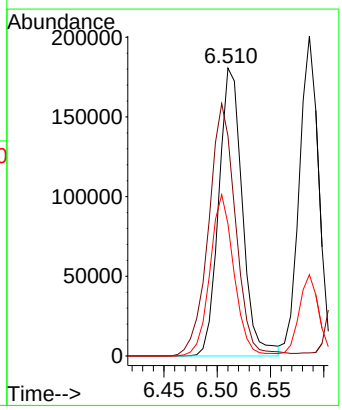


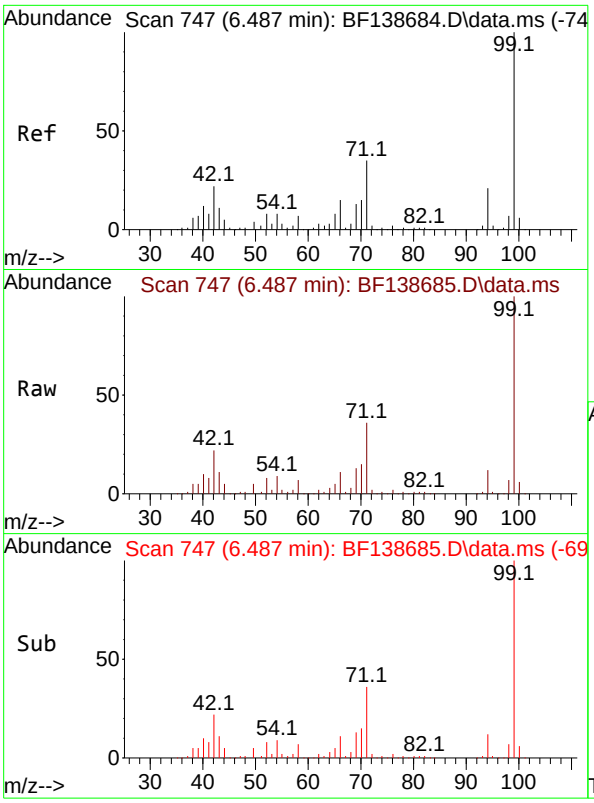


#6
Aniline
Concen: 47.911 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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#



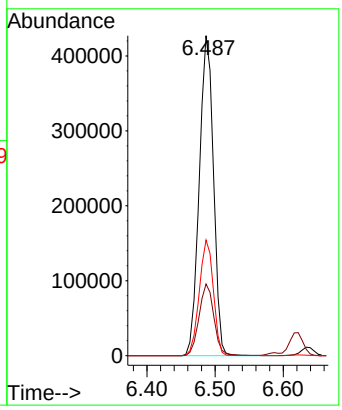


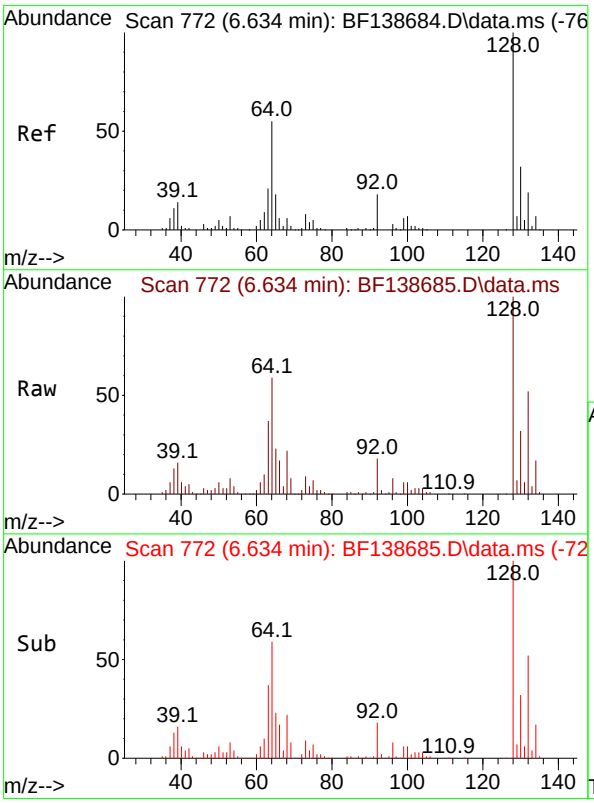
#7
Phenol-d6
Concen: 95.084 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

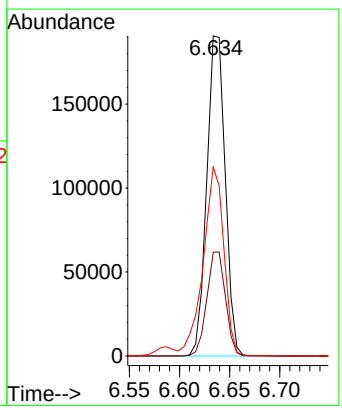


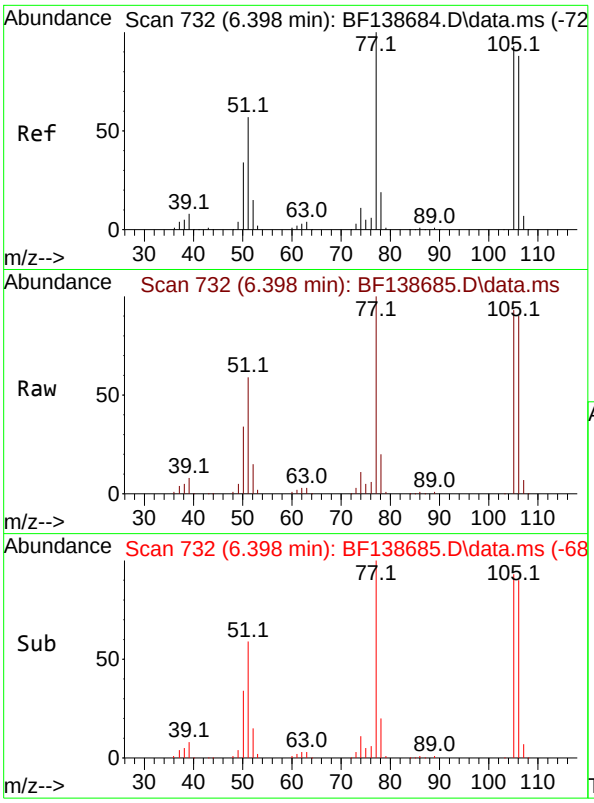


#8
2-Chlorophenol
Concen: 47.976 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



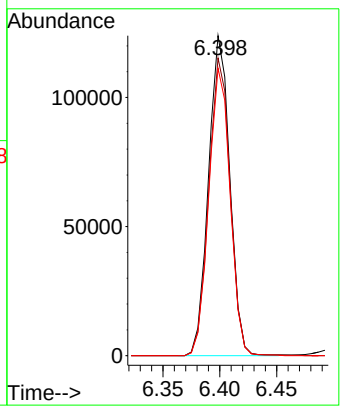


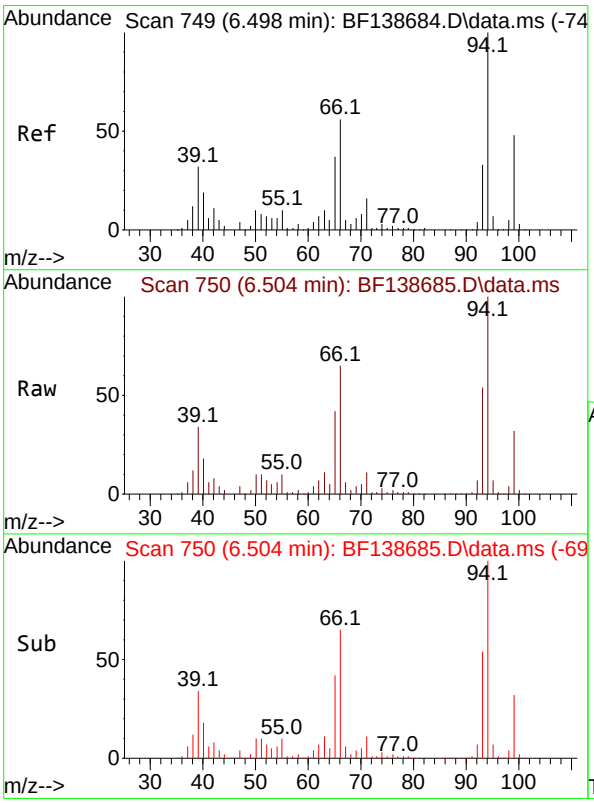
#9
Benzaldehyde
Concen: 41.333 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

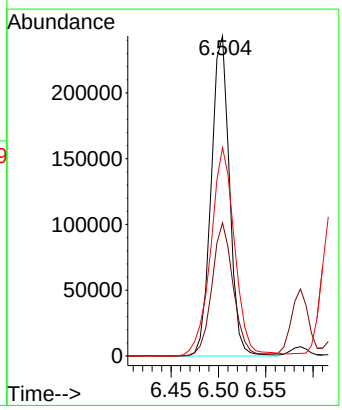


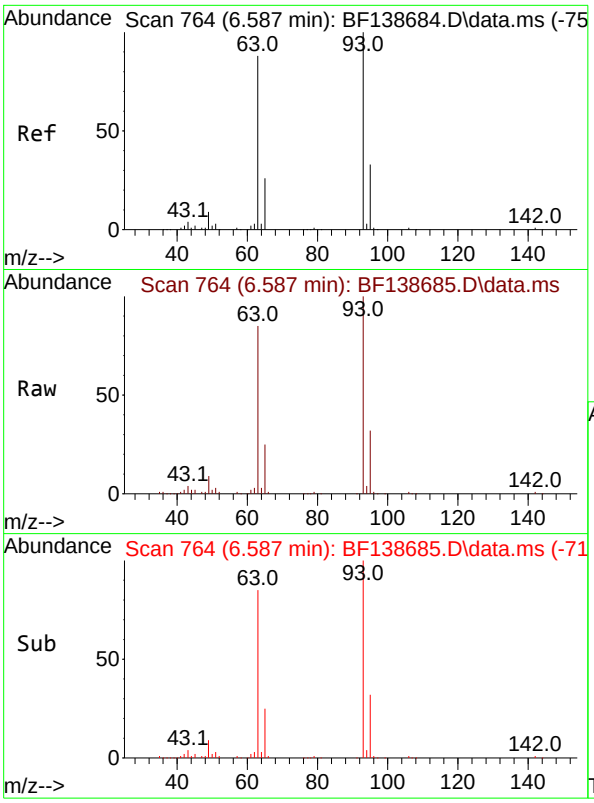


#10
Phenol
Concen: 47.487 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



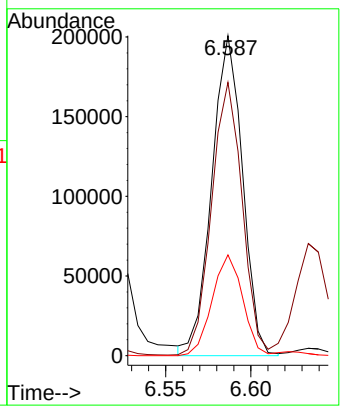


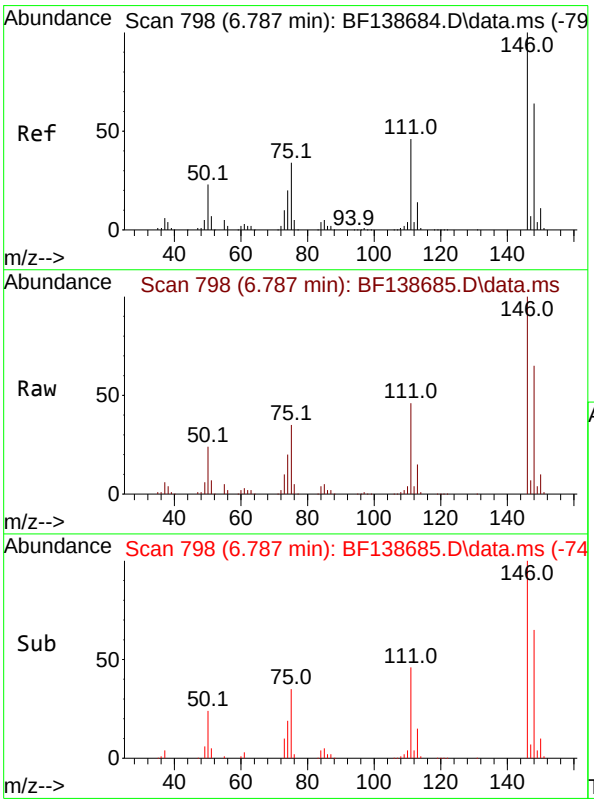
#11
bis(2-Chloroethyl)ether
Concen: 47.838 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

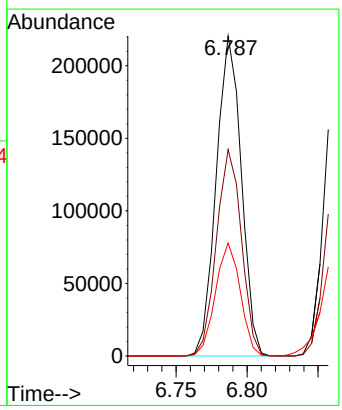


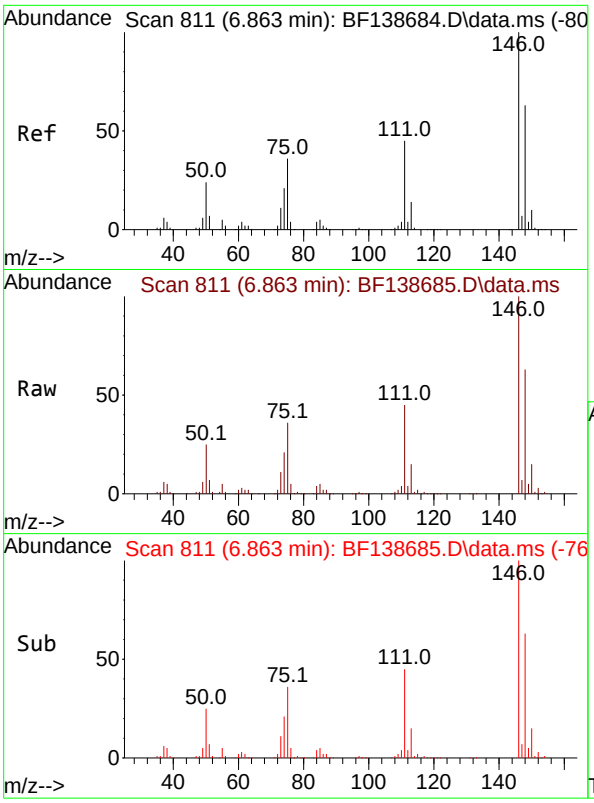


#12
1,3-Dichlorobenzene
Concen: 47.346 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



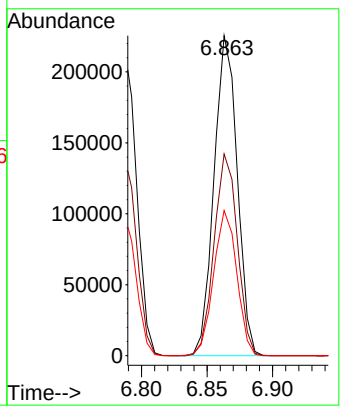


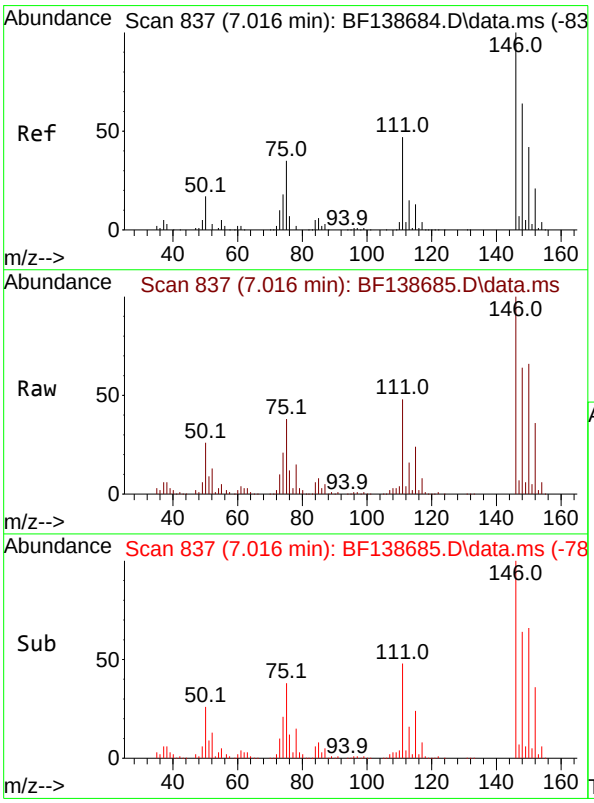
#13
1,4-Dichlorobenzene
Concen: 48.130 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

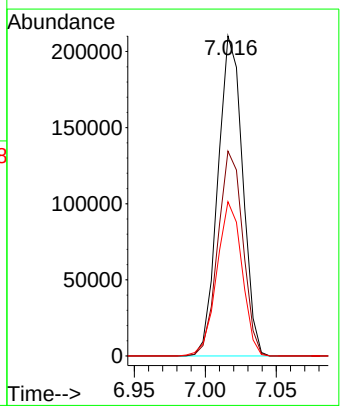


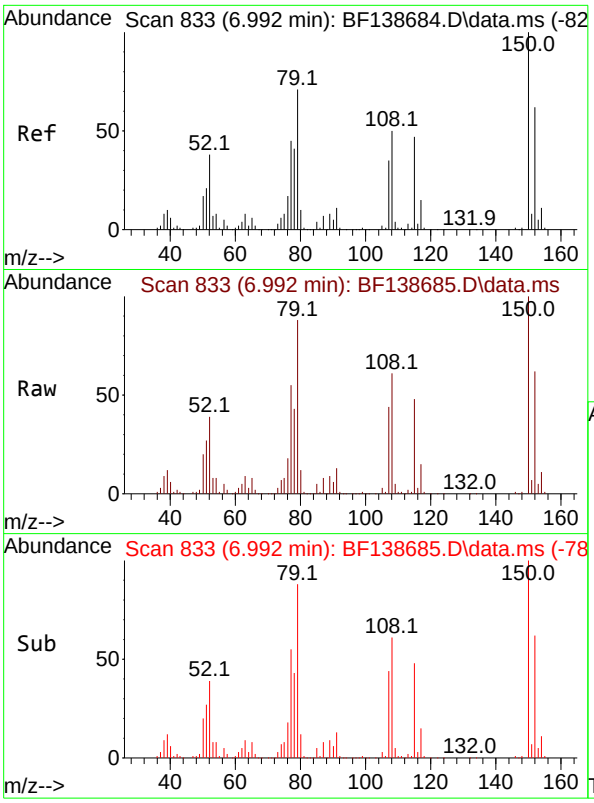


#14
1,2-Dichlorobenzene
Concen: 47.188 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



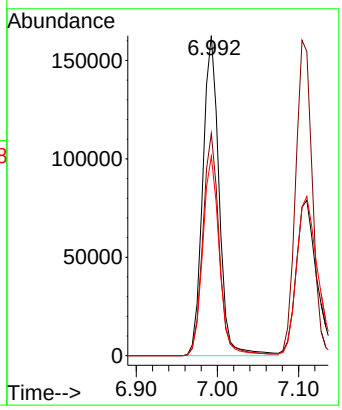


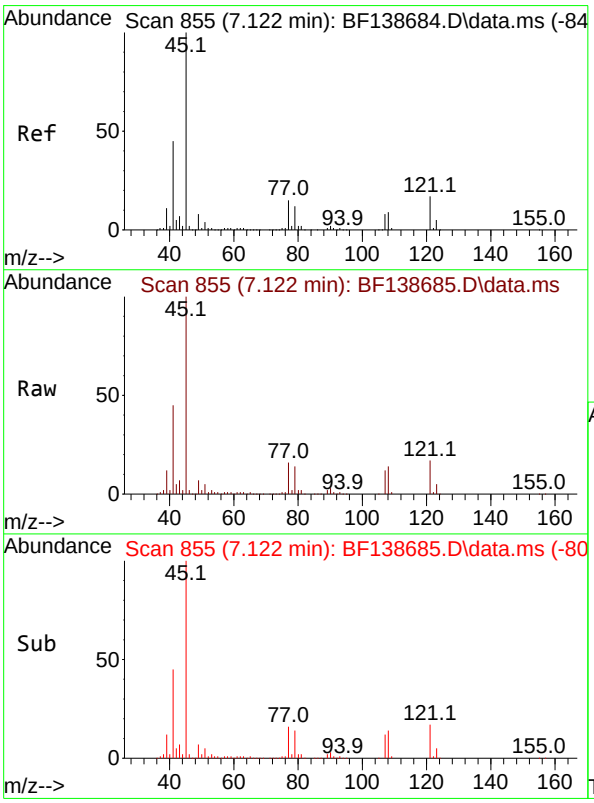
#15
Benzyl Alcohol
Concen: 48.392 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

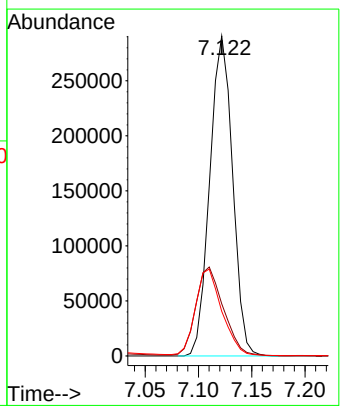


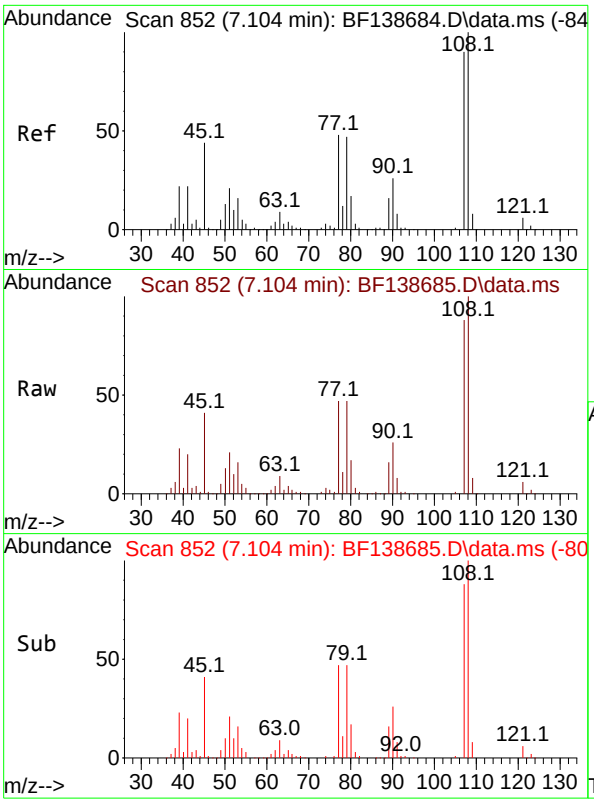


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.646 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



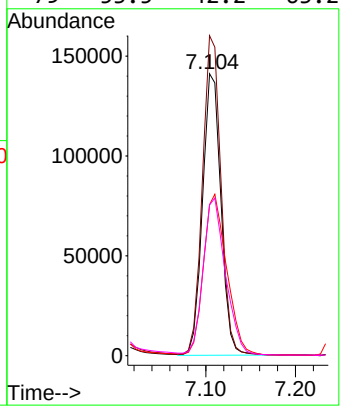


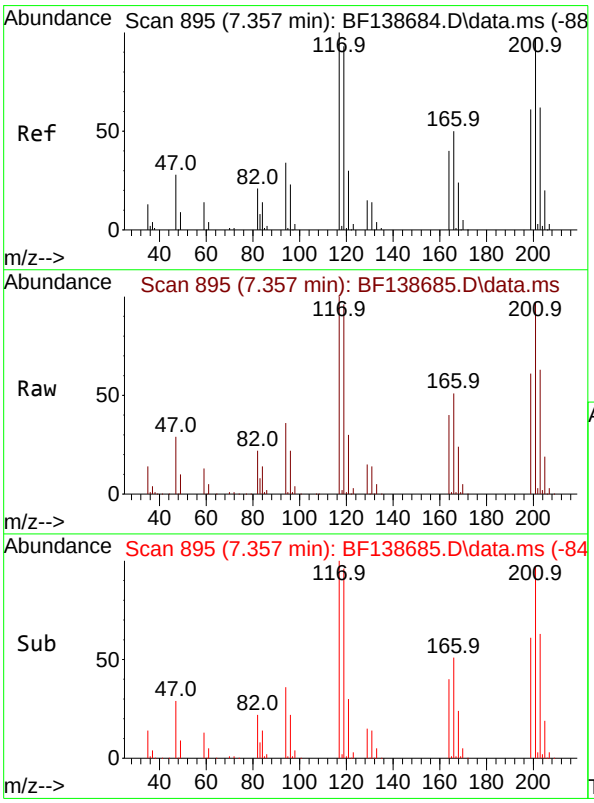
#17
2-Methylphenol
Concen: 47.638 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

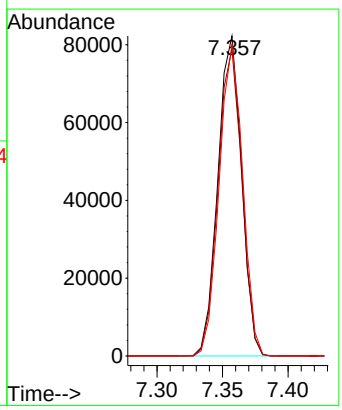


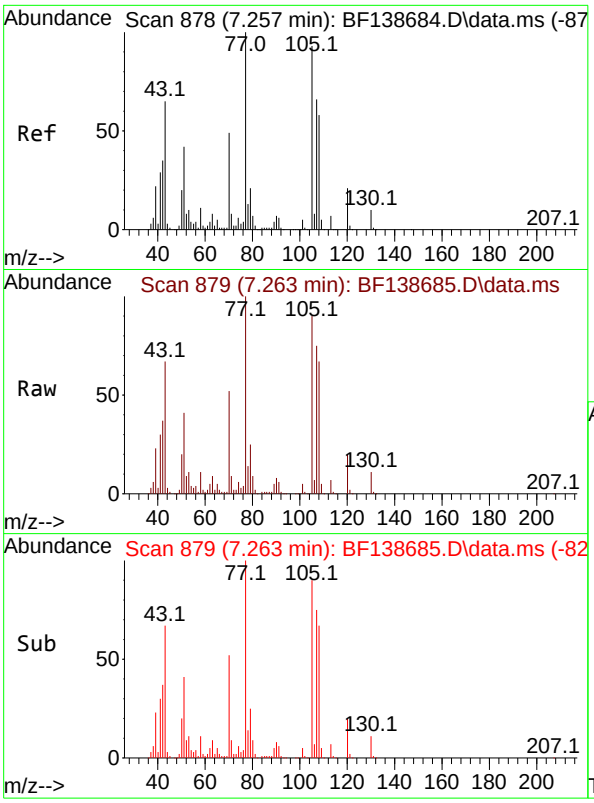


#18
Hexachloroethane
Concen: 47.780 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



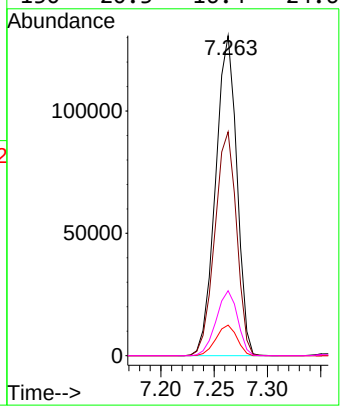


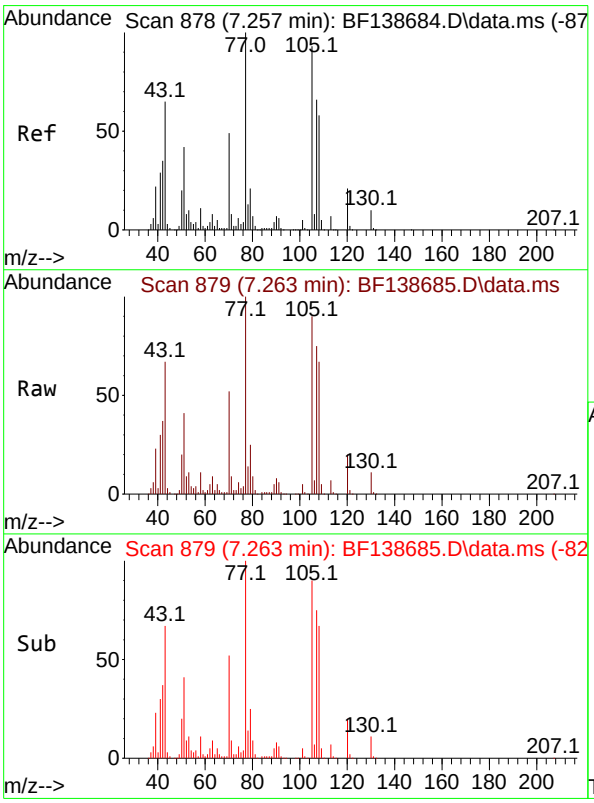
#19
n-Nitroso-di-n-propylamine
Concen: 46.154 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

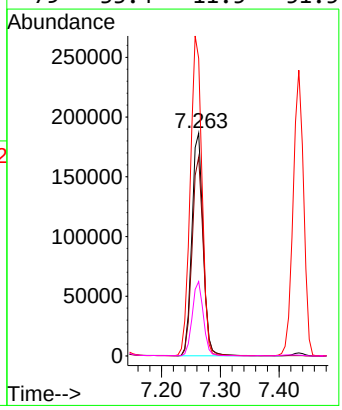


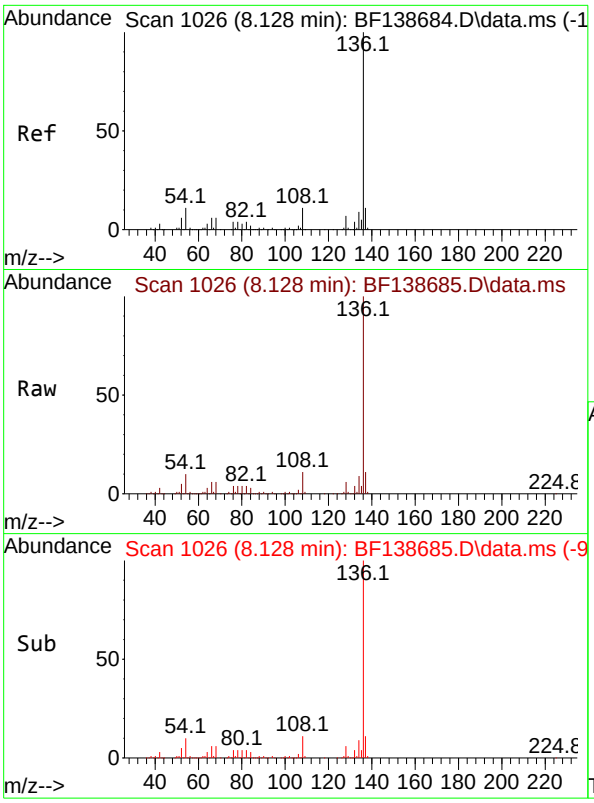


#20
3+4-Methylphenols
Concen: 45.970 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



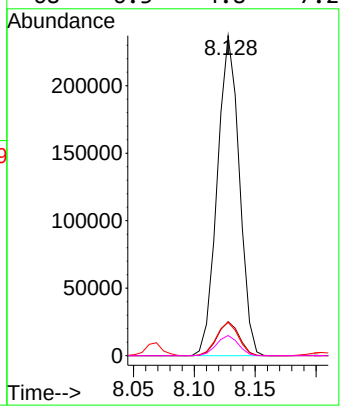


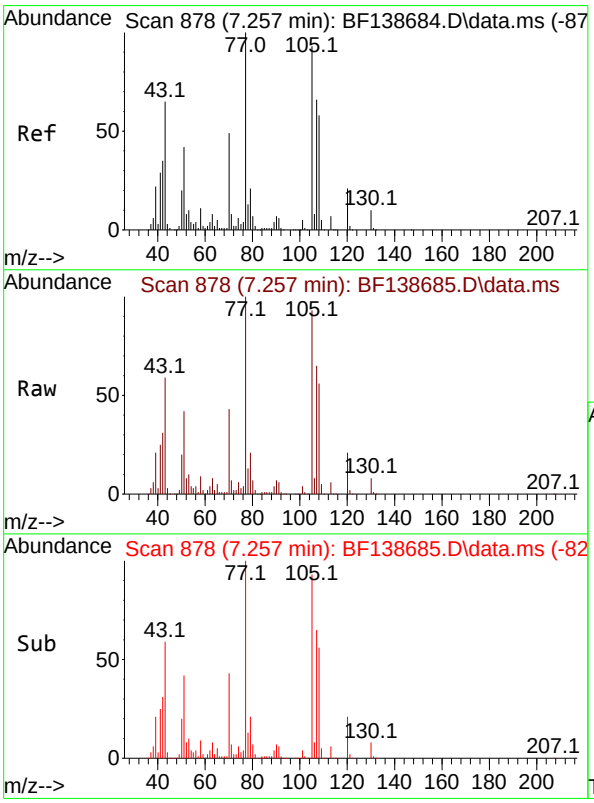
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

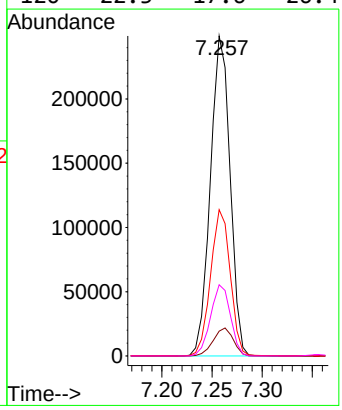


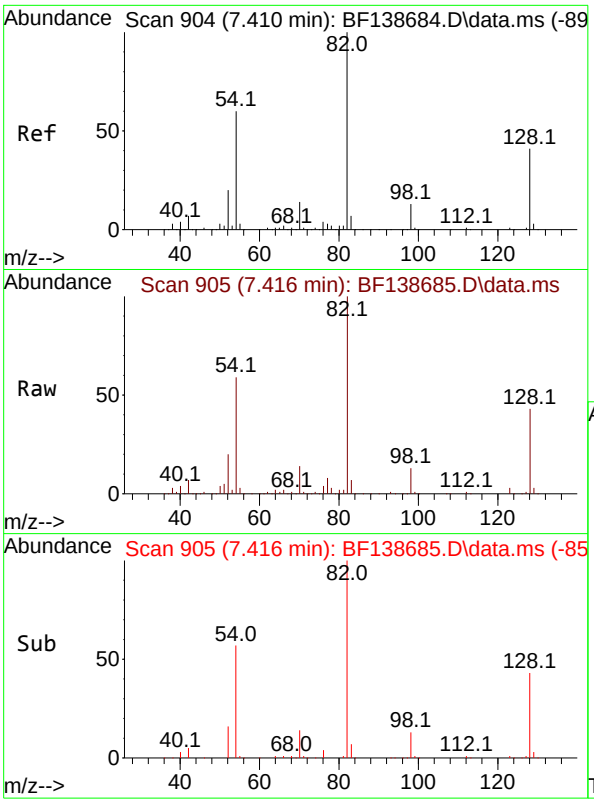


#22
Acetophenone
Concen: 46.663 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



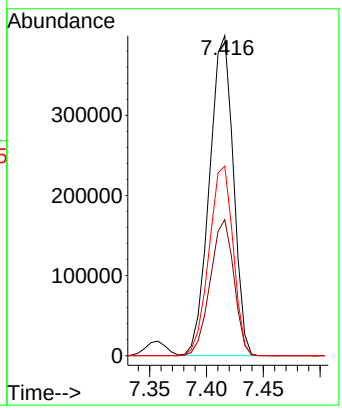


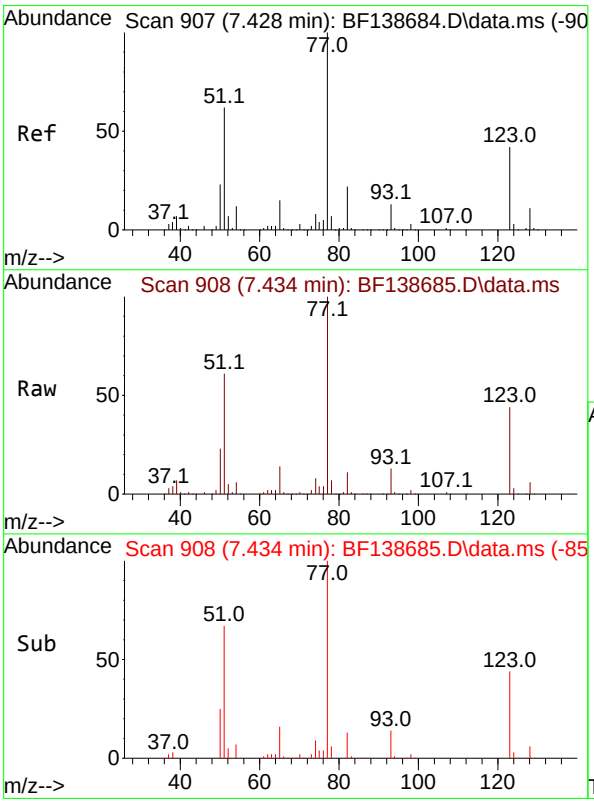
#23
Nitrobenzene-d5
Concen: 96.067 ng
RT: 7.416 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

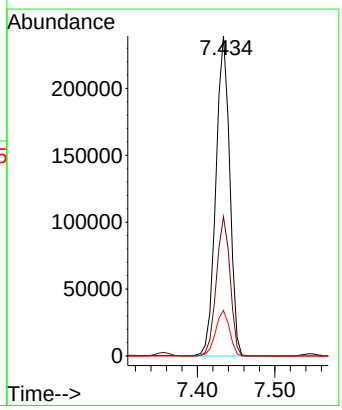


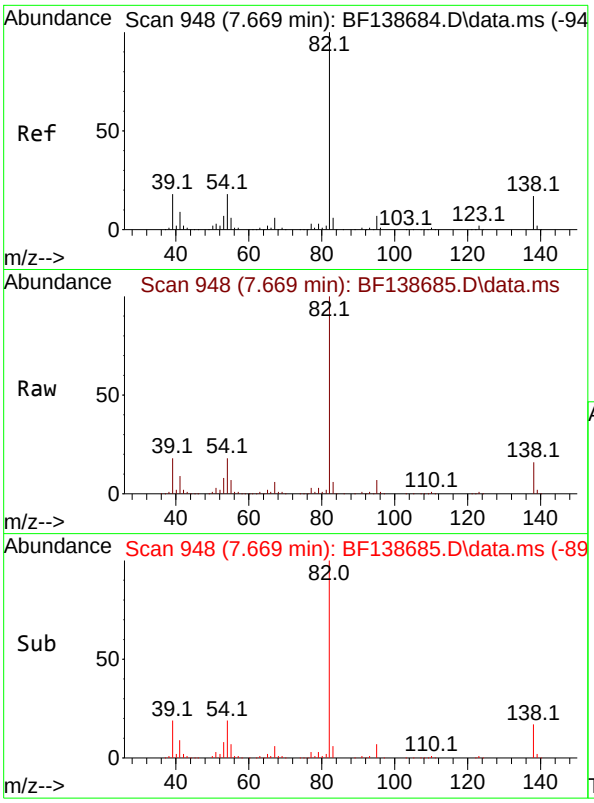


#24
Nitrobenzene
Concen: 48.005 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



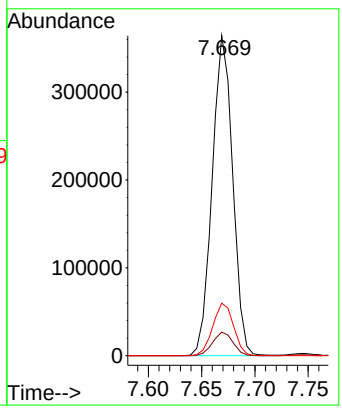


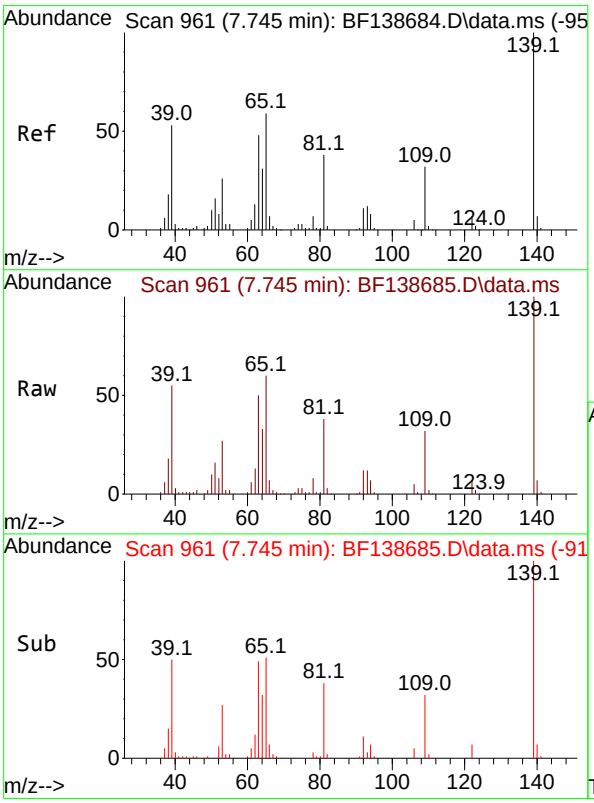
#25
Isophorone
Concen: 46.876 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

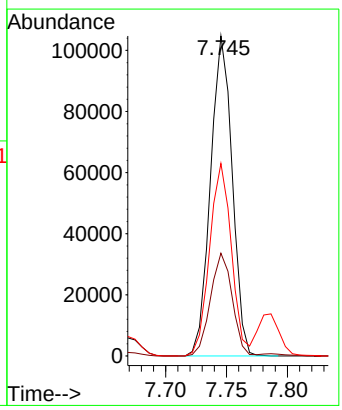


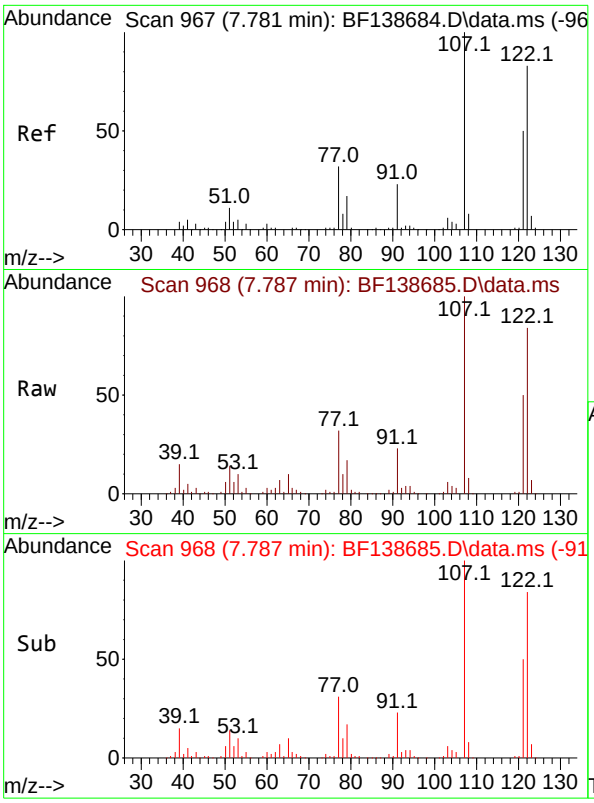


#26
2-Nitrophenol
Concen: 48.769 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



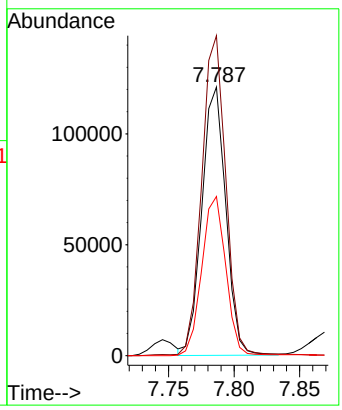


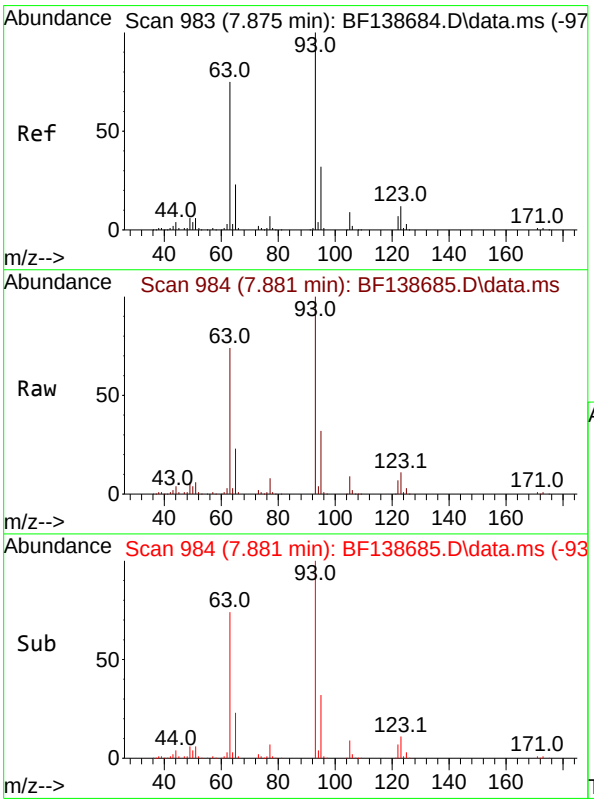
#27
2,4-Dimethylphenol
Concen: 48.328 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

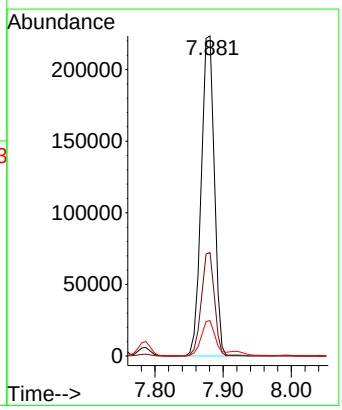


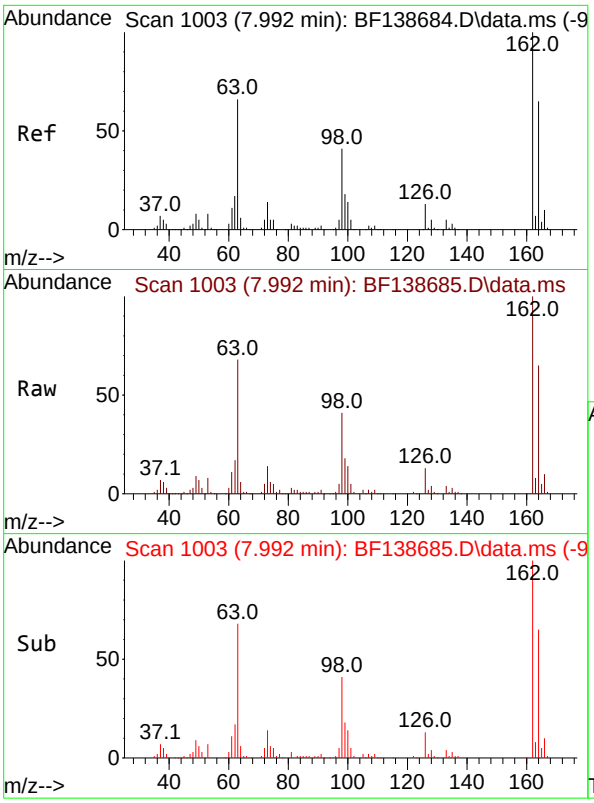


#28
bis(2-Chloroethoxy)methane
Concen: 47.308 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



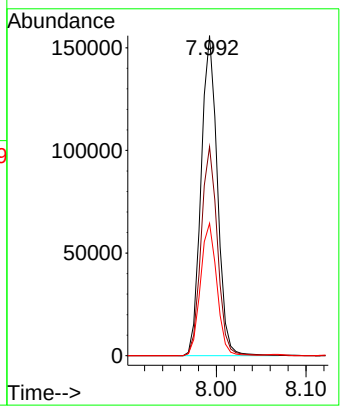


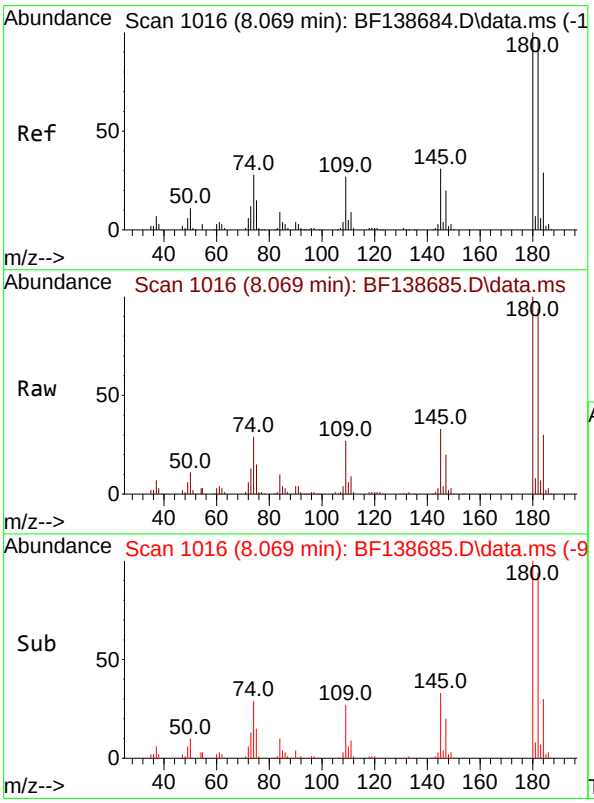
#29
2,4-Dichlorophenol
Concen: 47.954 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

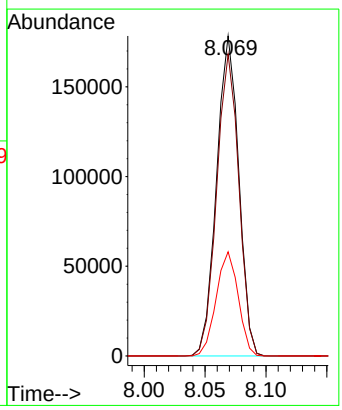


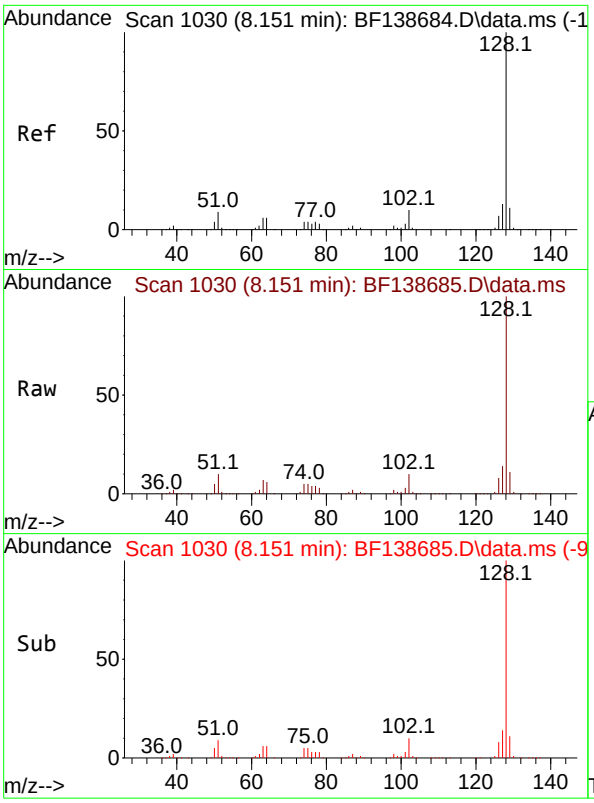


#30
1,2,4-Trichlorobenzene
Concen: 47.793 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



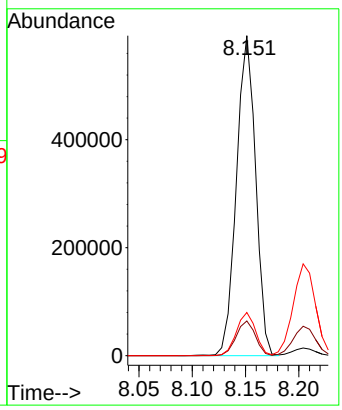


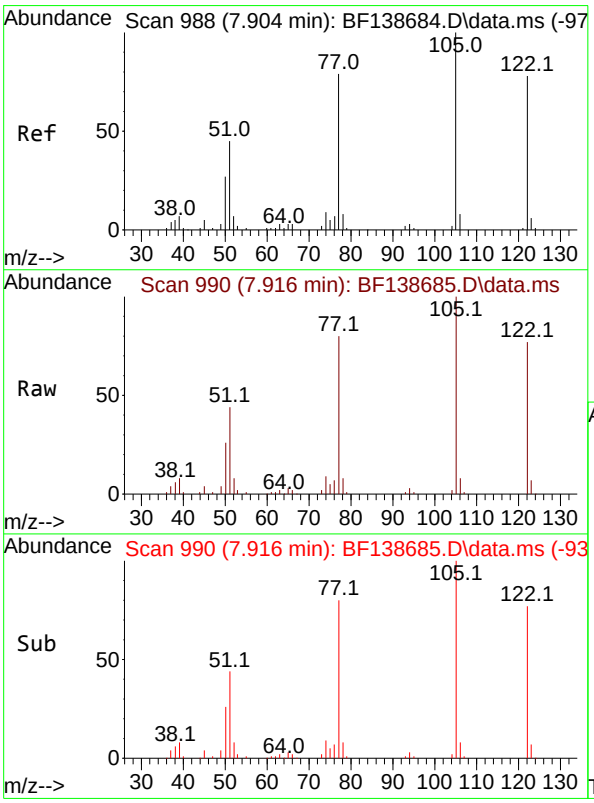
#31
Naphthalene
Concen: 47.479 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

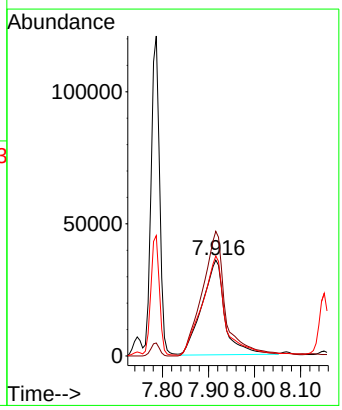


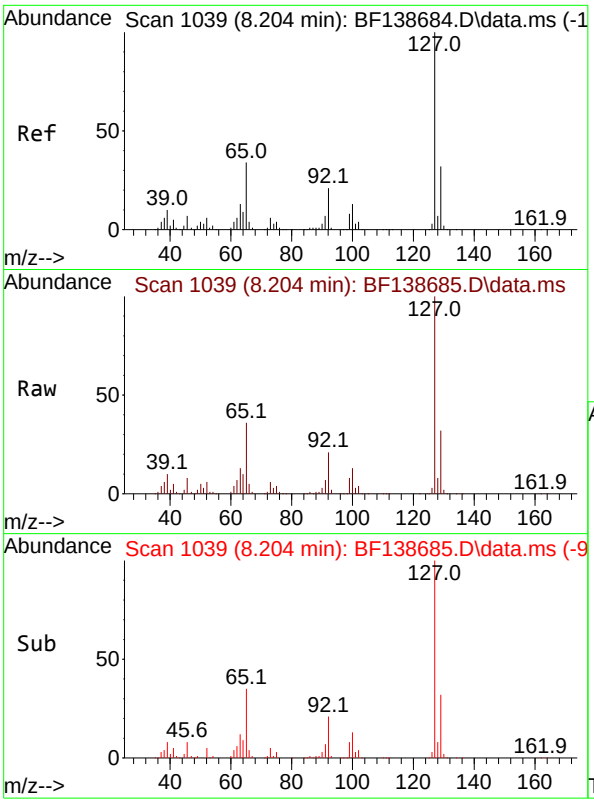


#32
Benzoic acid
Concen: 49.340 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



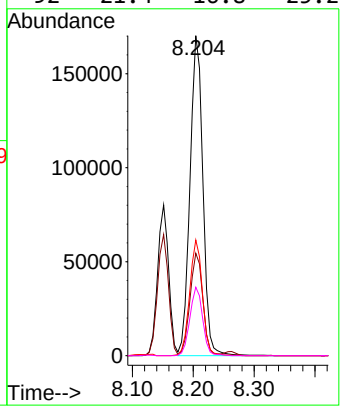


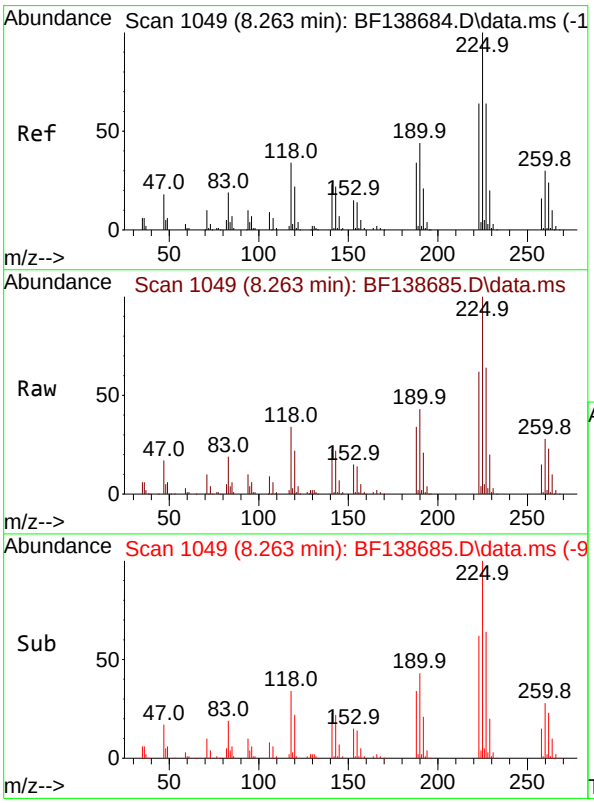
#33
4-Chloroaniline
Concen: 47.621 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

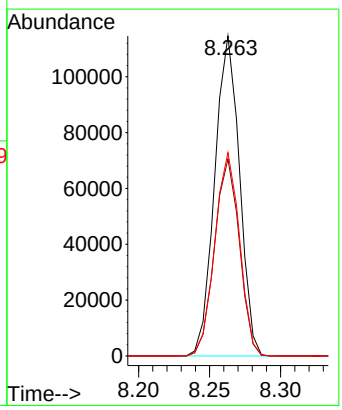


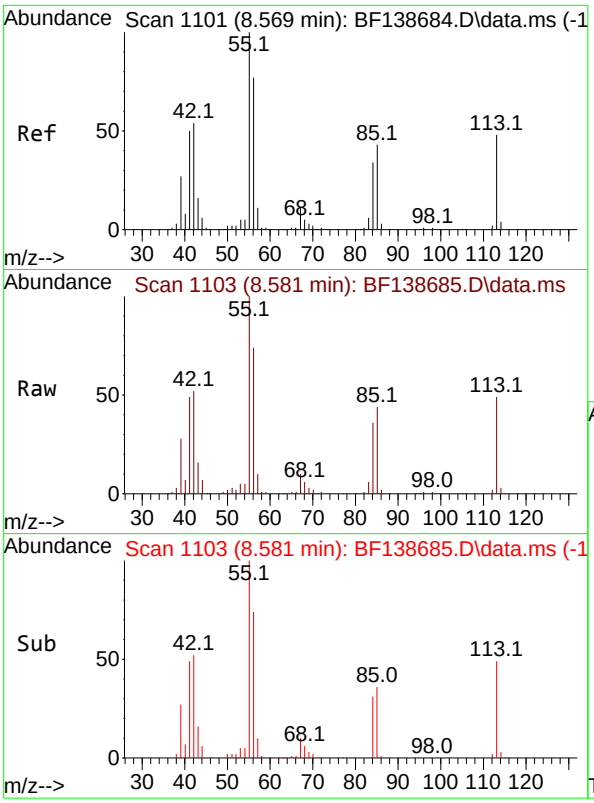


#34
Hexachlorobutadiene
Concen: 48.493 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



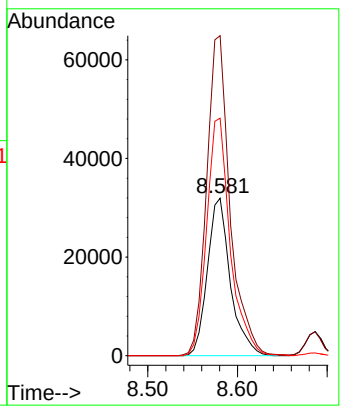


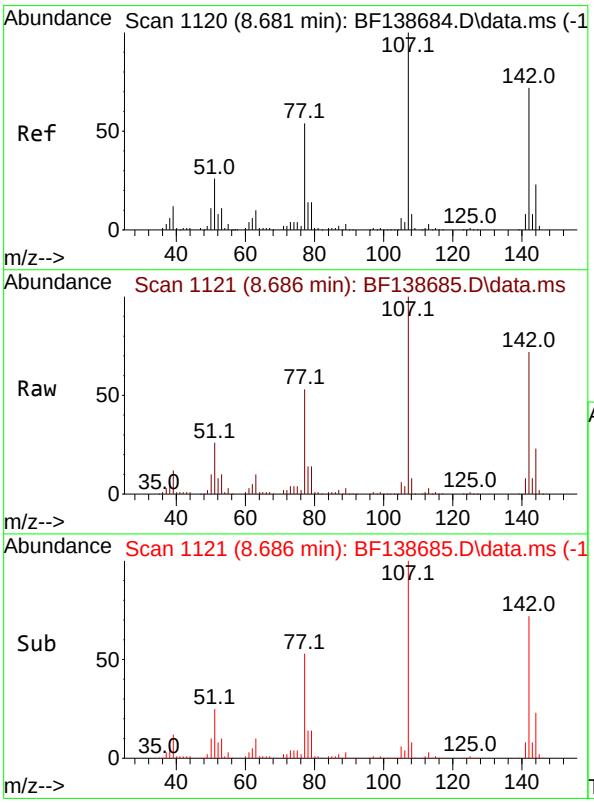
#35
Caprolactam
Concen: 46.347 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

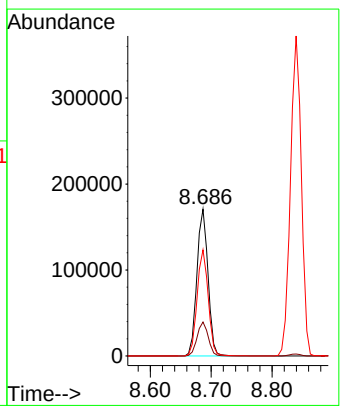


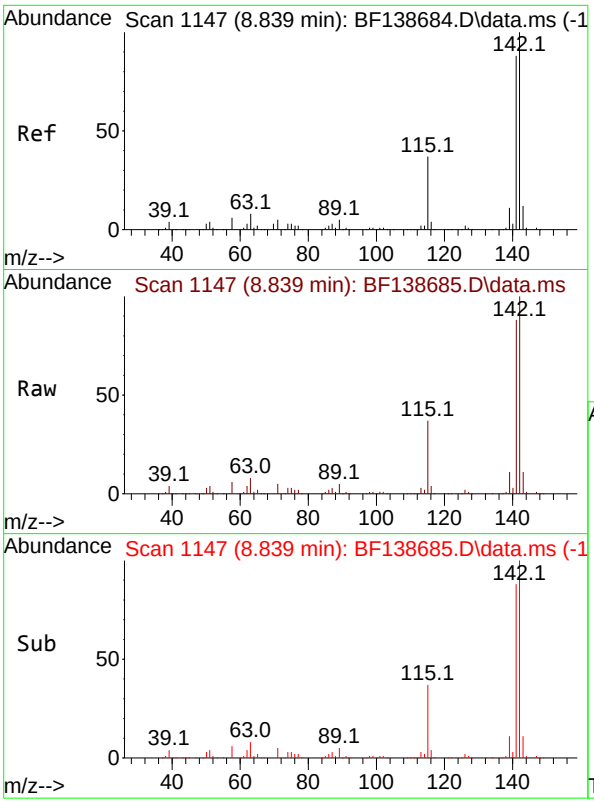


#36
4-Chloro-3-methylphenol
Concen: 46.151 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



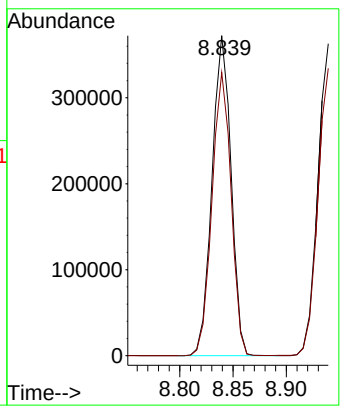


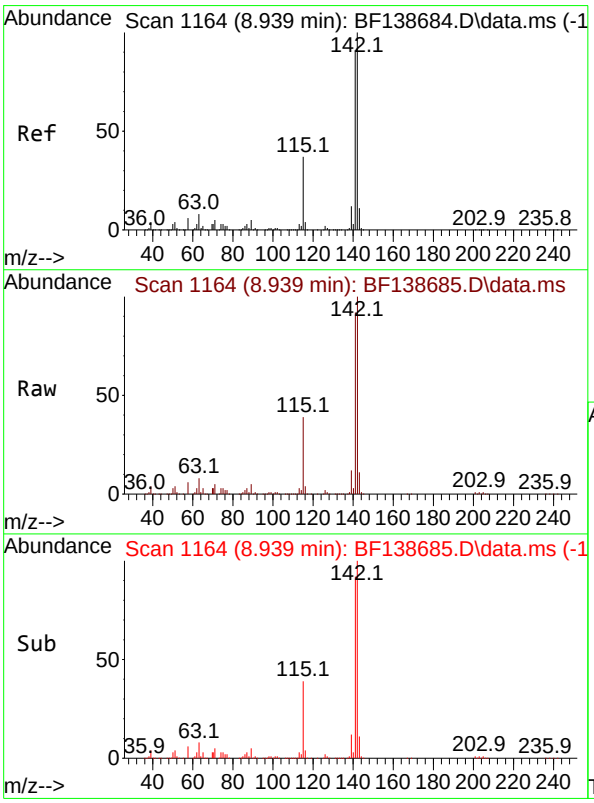
#37
2-Methylnaphthalene
Concen: 46.570 ng
RT: 8.839 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 461125

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

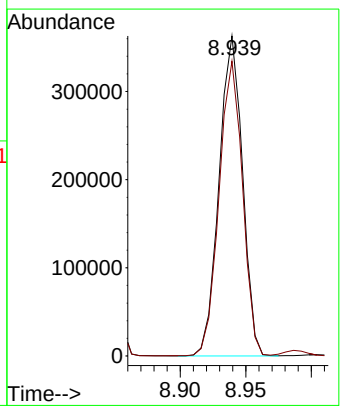


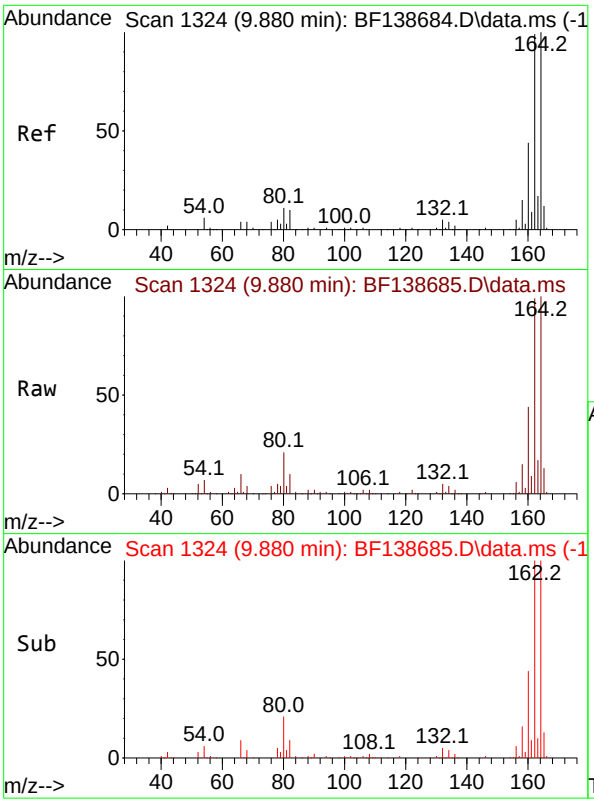


#38
1-Methylnaphthalene
Concen: 46.476 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

Tgt Ion:142 Resp: 450948

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7



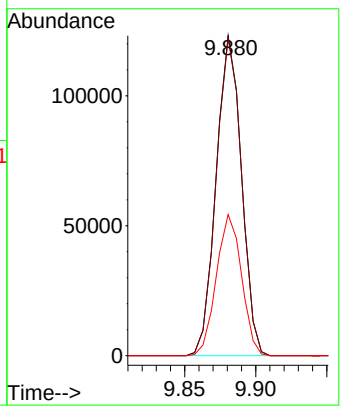


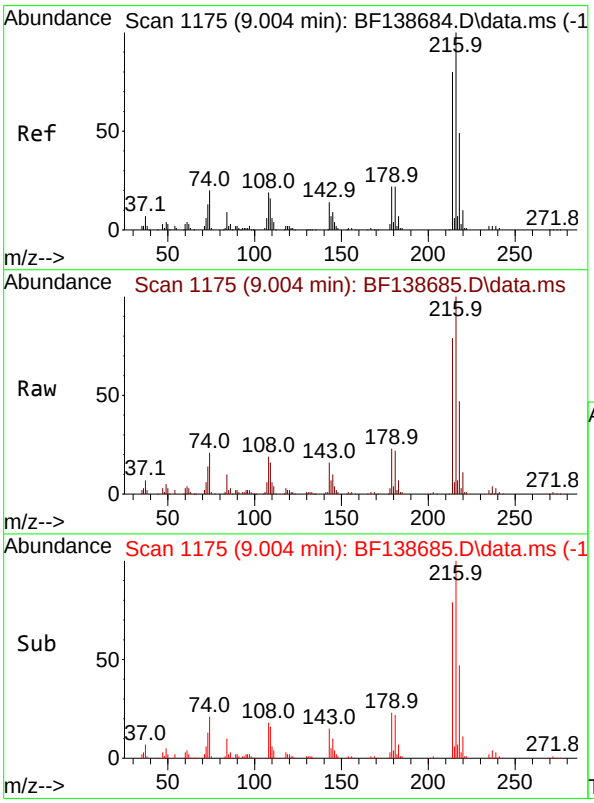
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

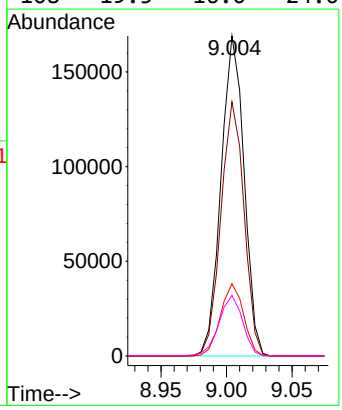


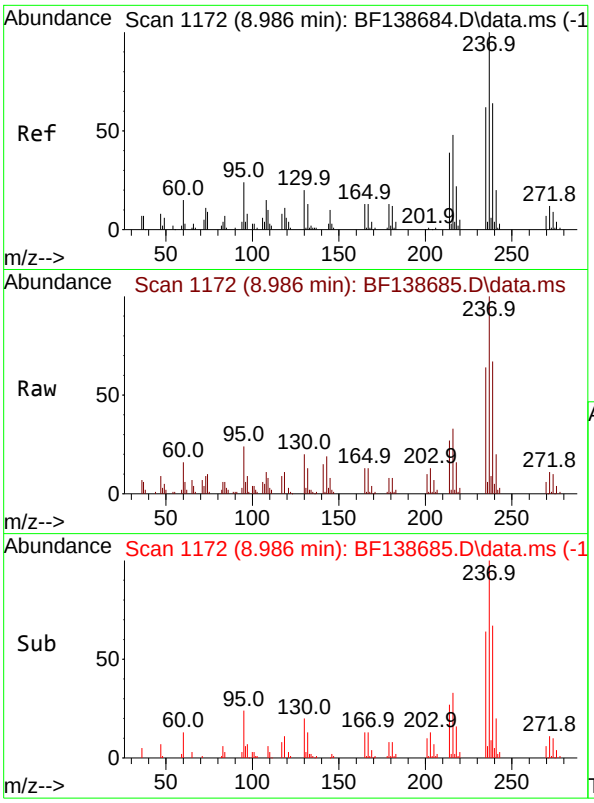


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.789 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



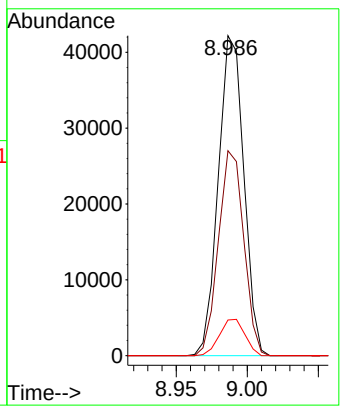


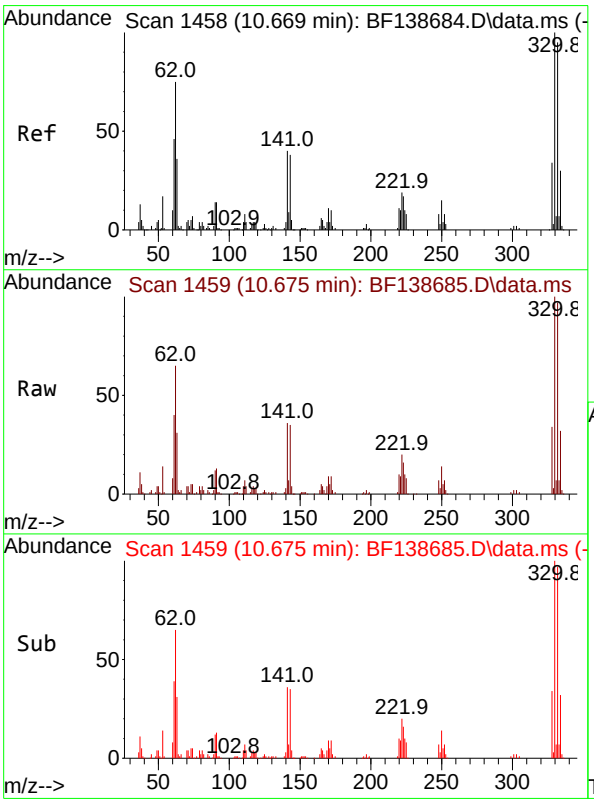
#41
Hexachlorocyclopentadiene
Concen: 49.894 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

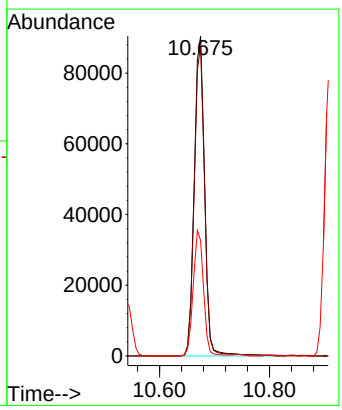


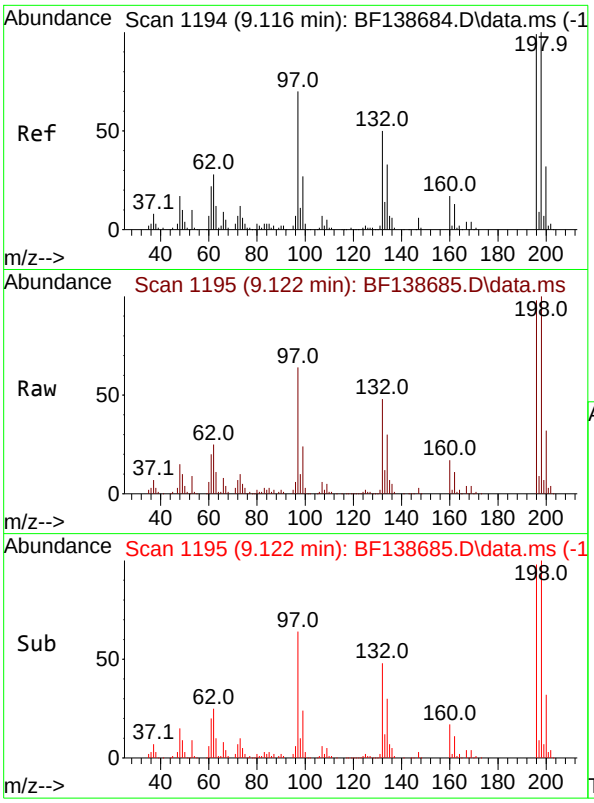


#42
2,4,6-Tribromophenol
Concen: 95.358 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



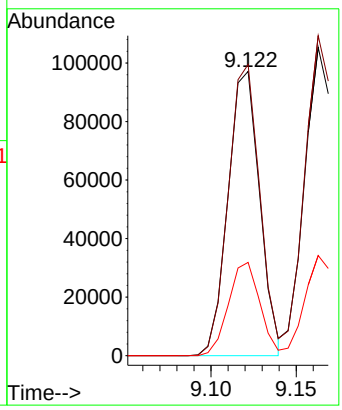


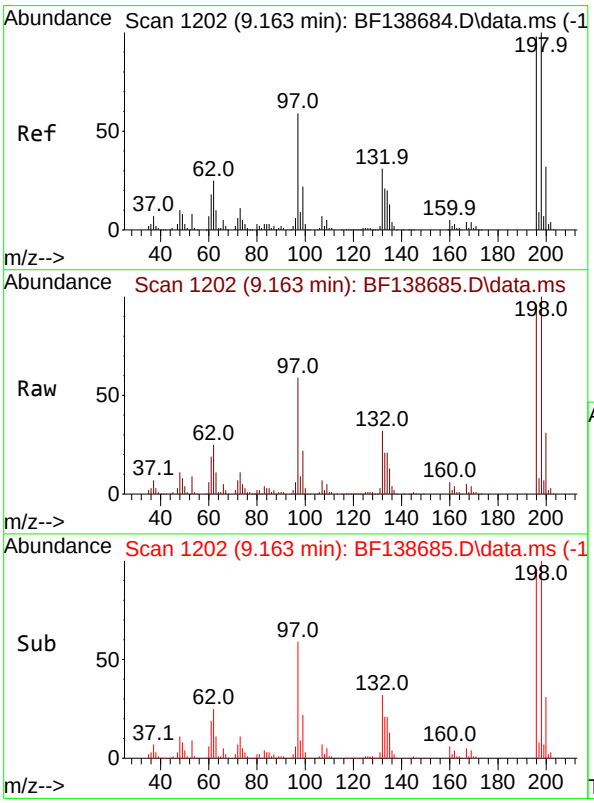
#43
2,4,6-Trichlorophenol
Concen: 48.741 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

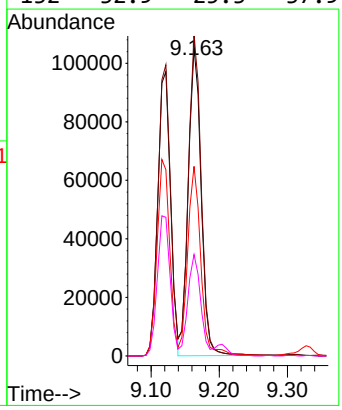


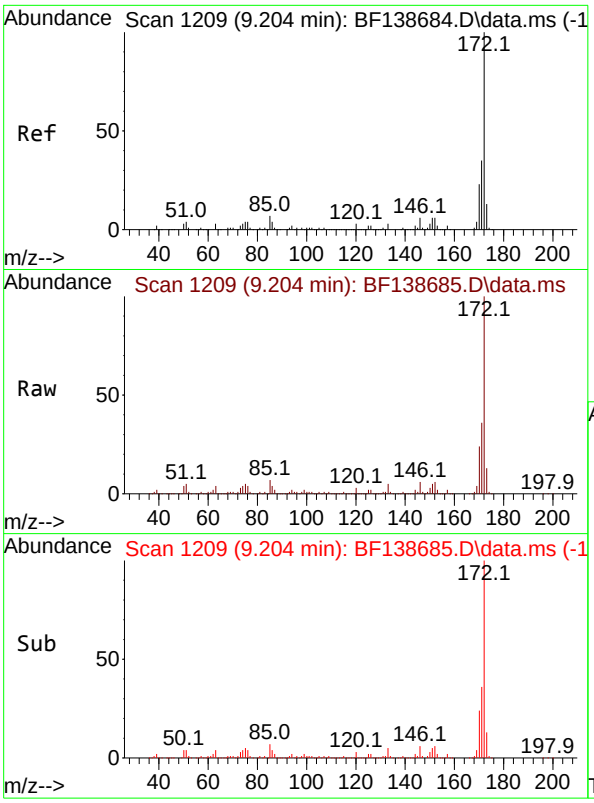


#44
2,4,5-Trichlorophenol
Concen: 48.726 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



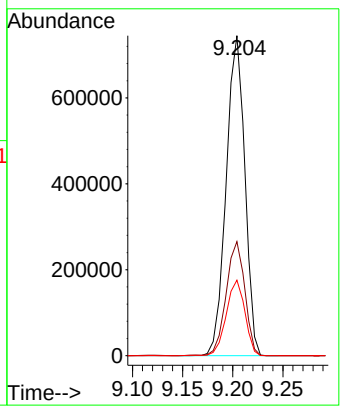


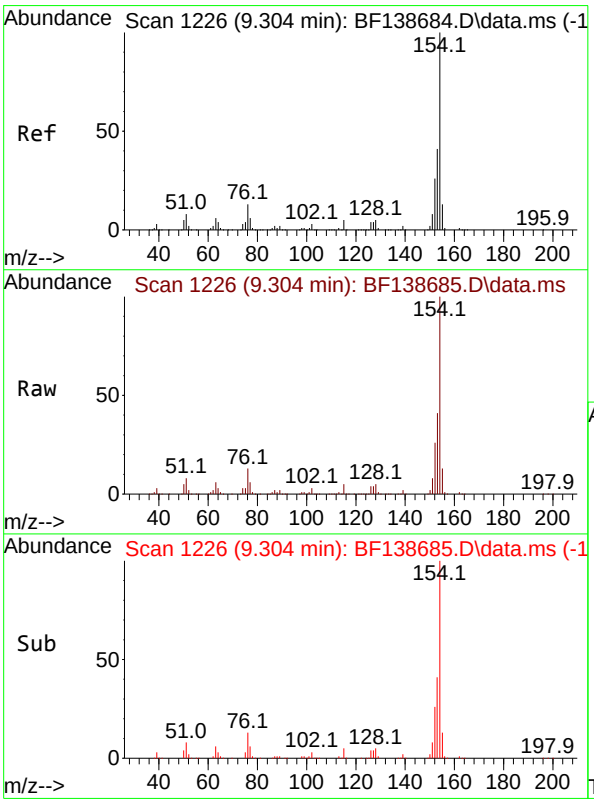
#45
2-Fluorobiphenyl
Concen: 94.693 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

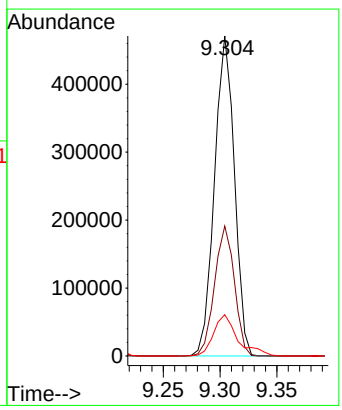


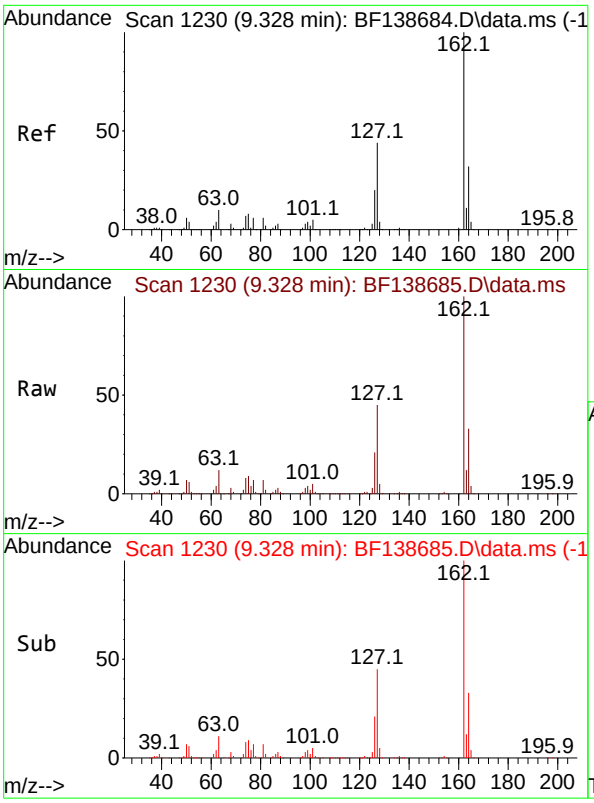


#46
1,1'-Biphenyl
Concen: 48.107 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



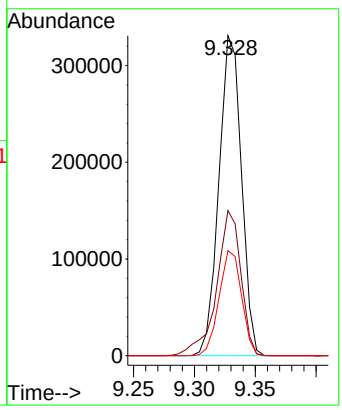


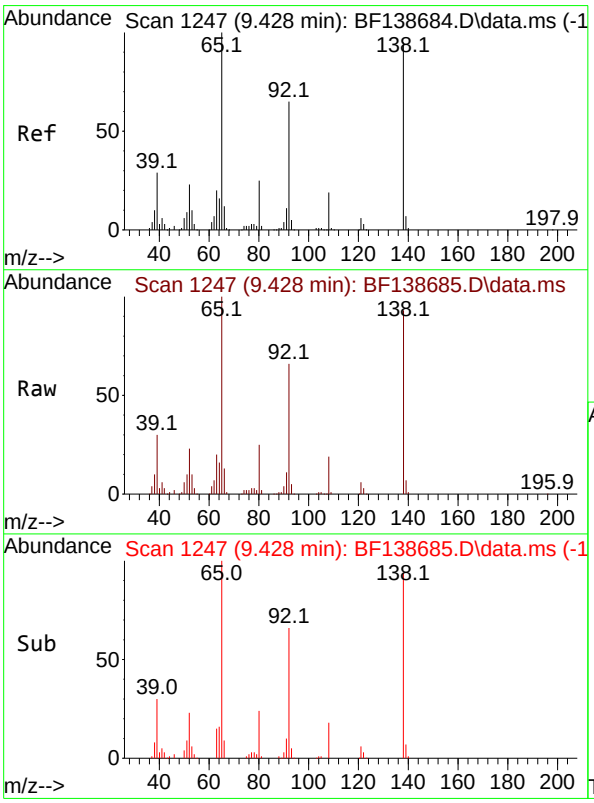
#47
2-Chloronaphthalene
Concen: 48.011 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

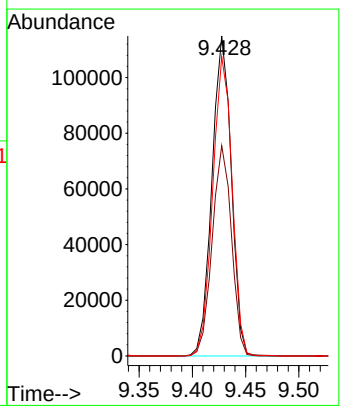


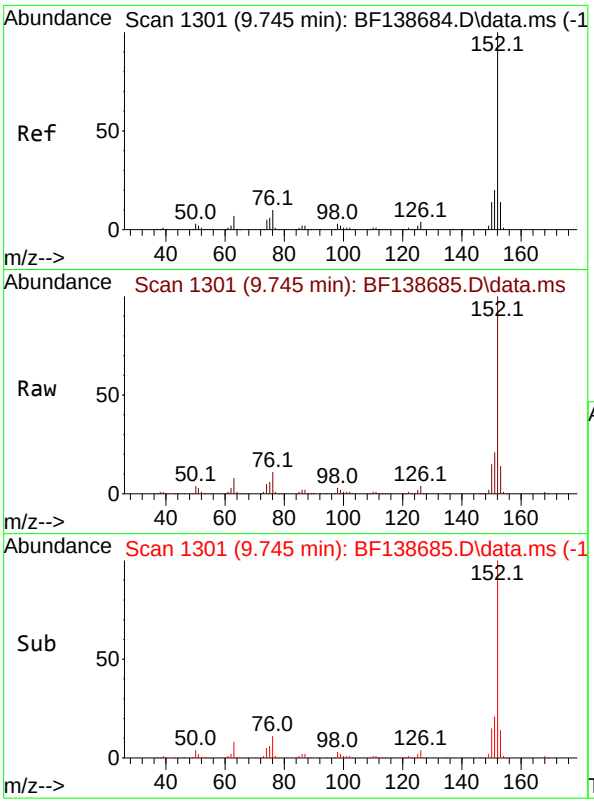


#48
2-Nitroaniline
Concen: 48.087 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



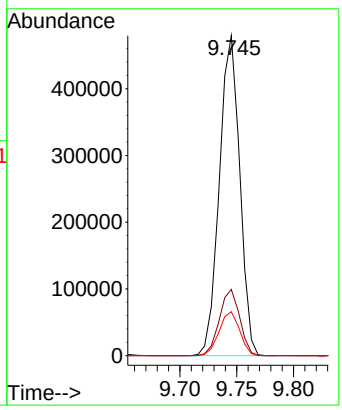


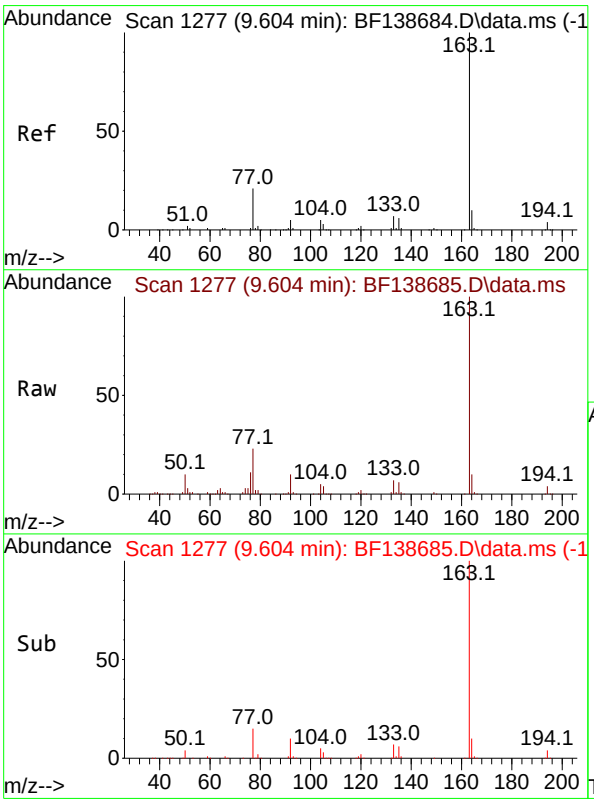
#49
Acenaphthylene
Concen: 47.605 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

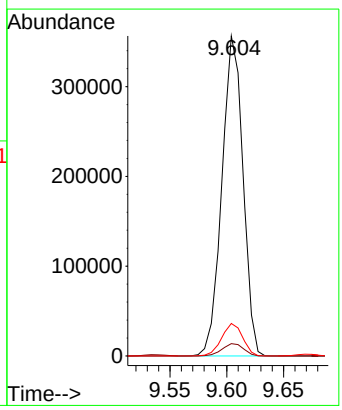


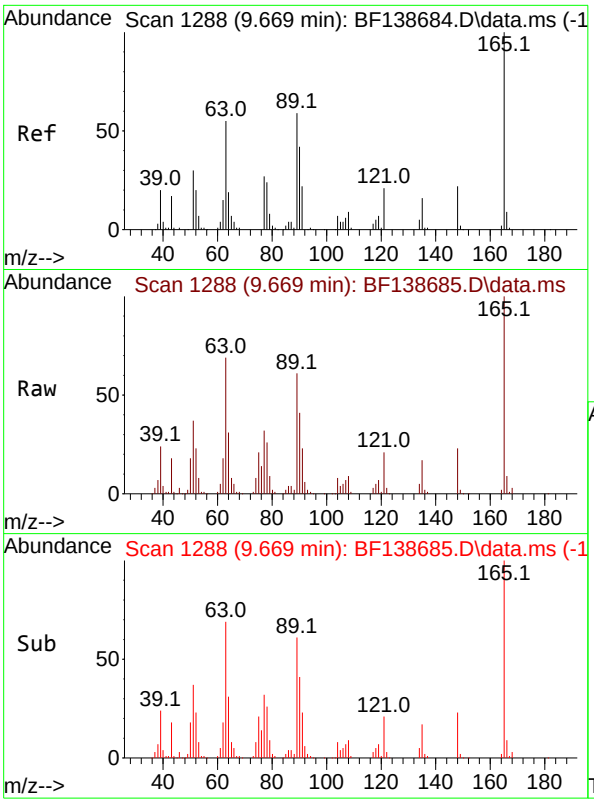


#50
Dimethylphthalate
Concen: 47.244 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



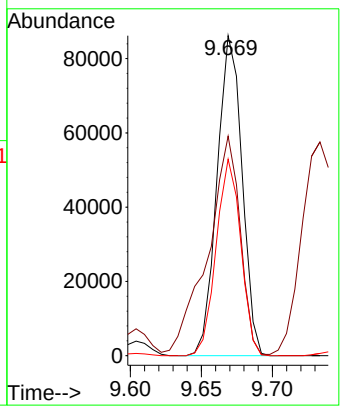


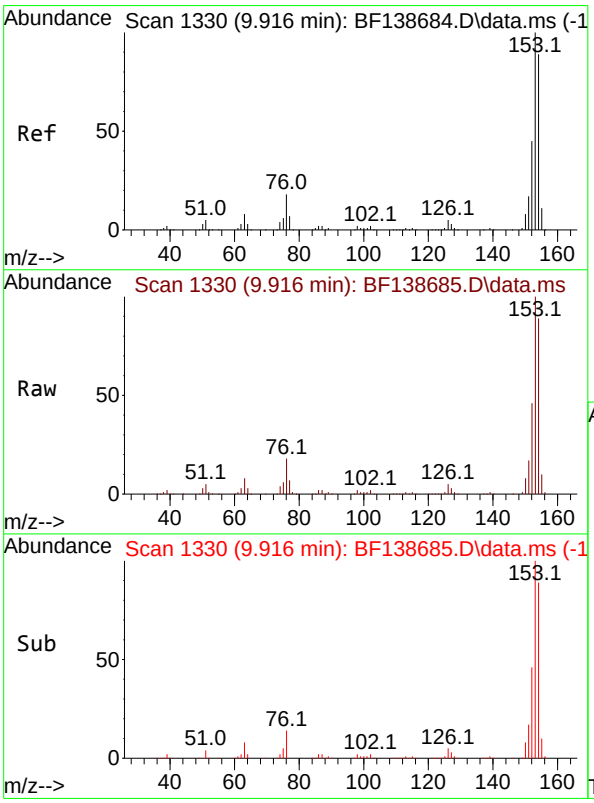
#51
2,6-Dinitrotoluene
Concen: 47.956 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

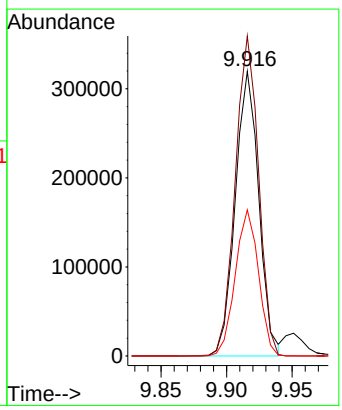


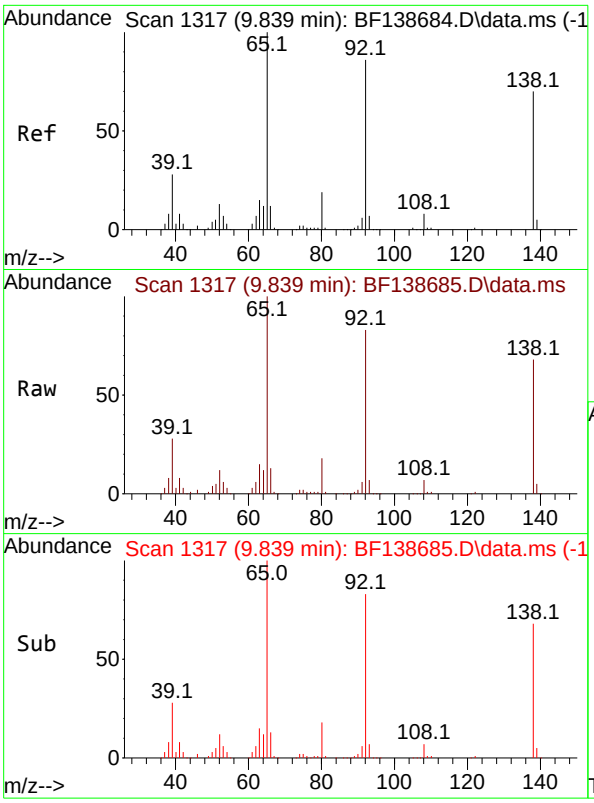


#52
Acenaphthene
Concen: 47.208 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



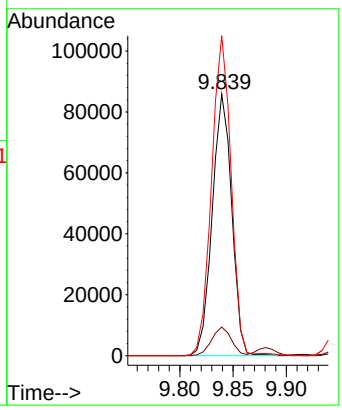


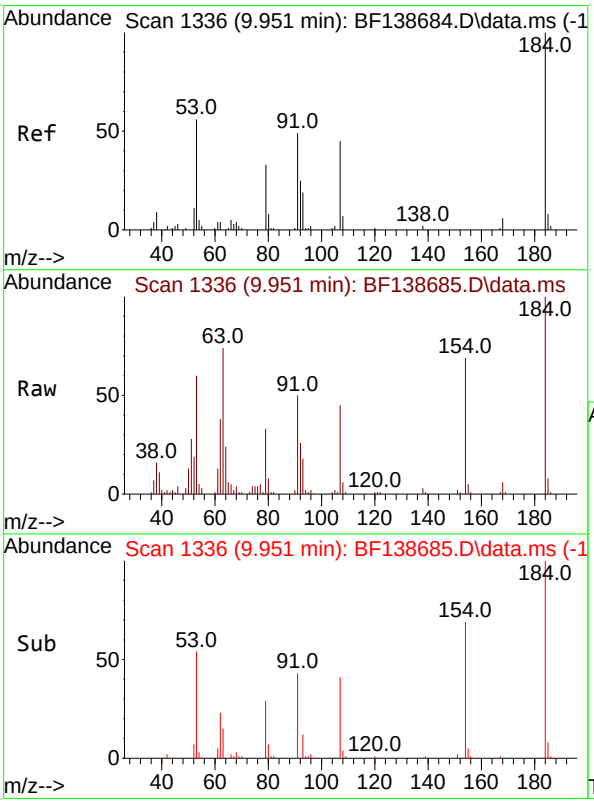
#53
3-Nitroaniline
Concen: 47.915 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

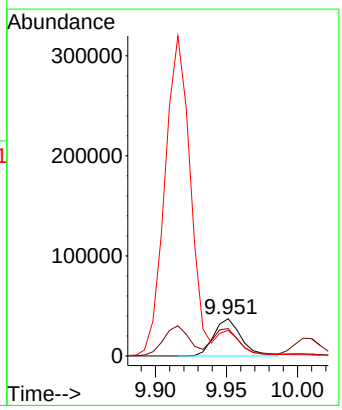


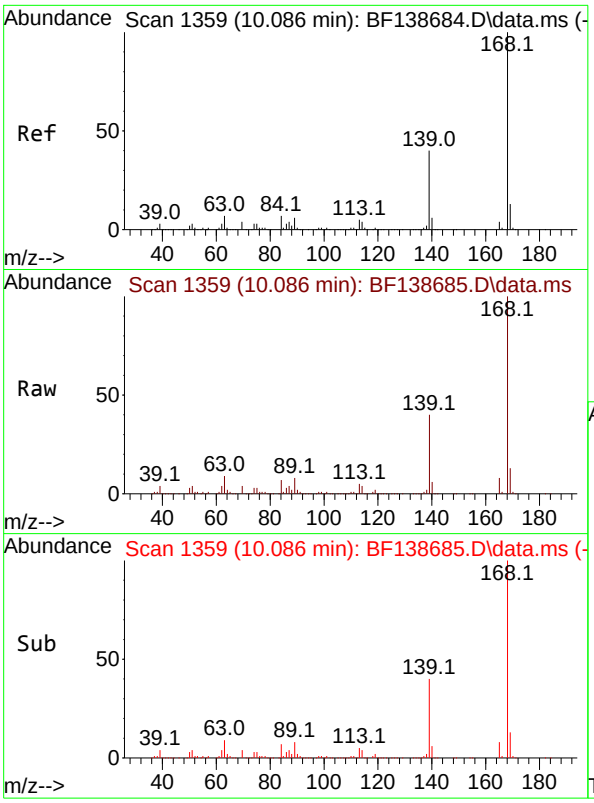


#54
2,4-Dinitrophenol
Concen: 49.361 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



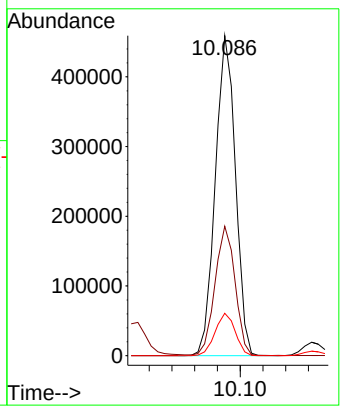


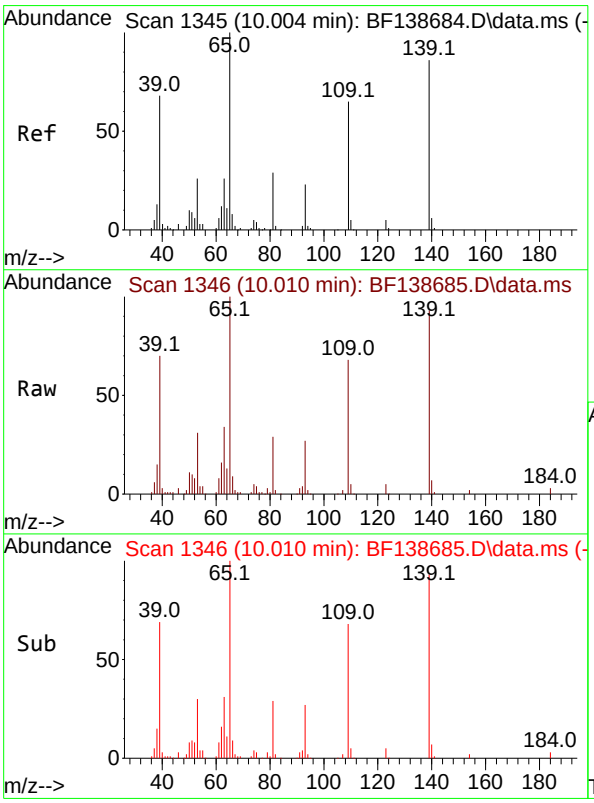
#55
Dibenzofuran
Concen: 47.333 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

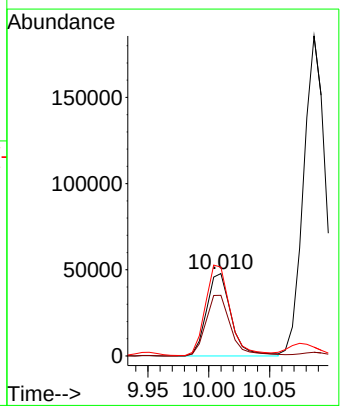


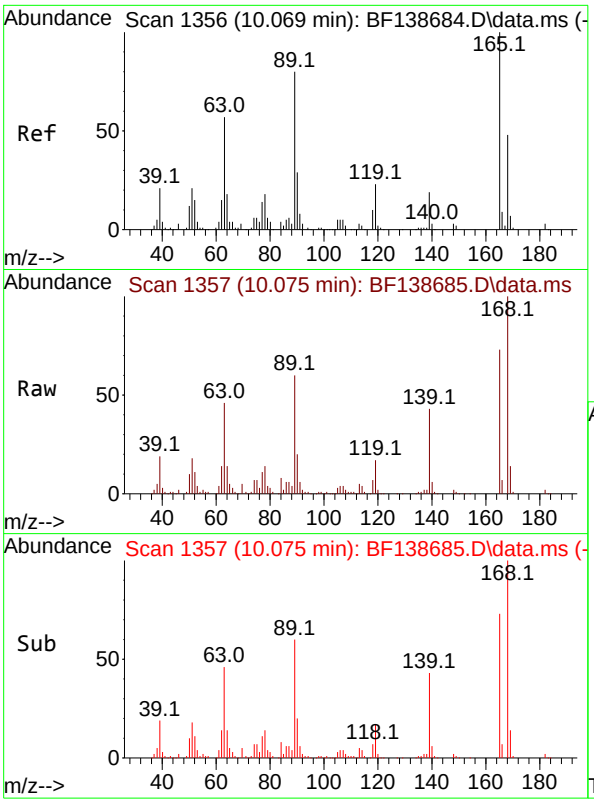


#56
4-Nitrophenol
Concen: 48.943 ng
RT: 10.010 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



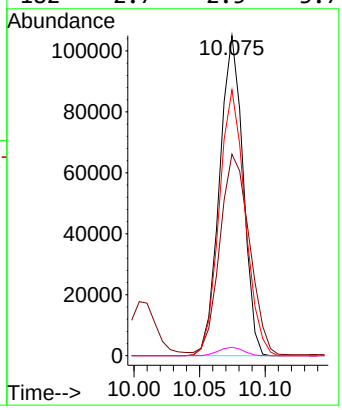


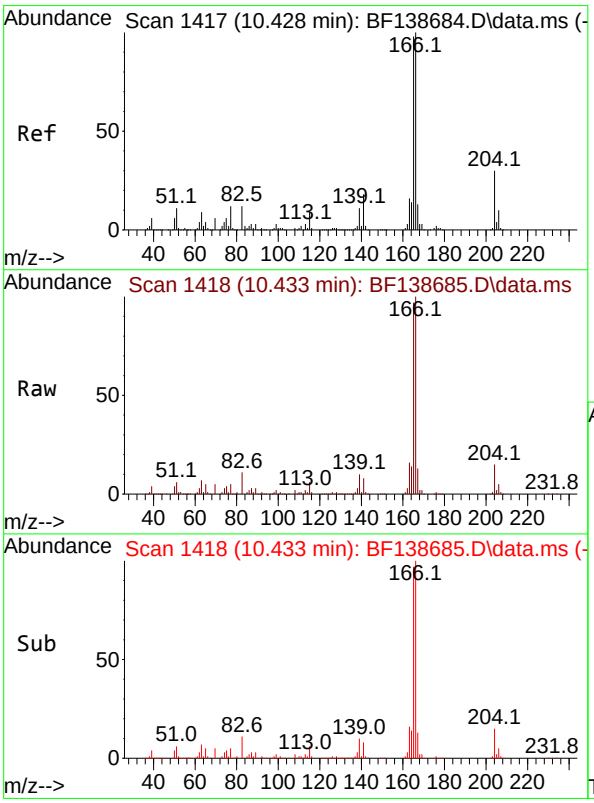
#57
2,4-Dinitrotoluene
Concen: 46.487 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

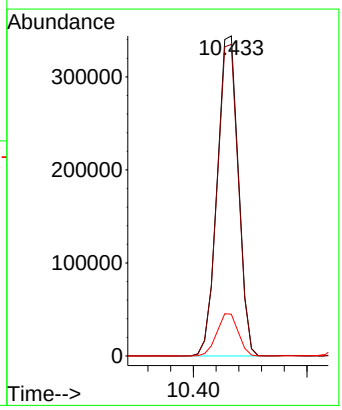


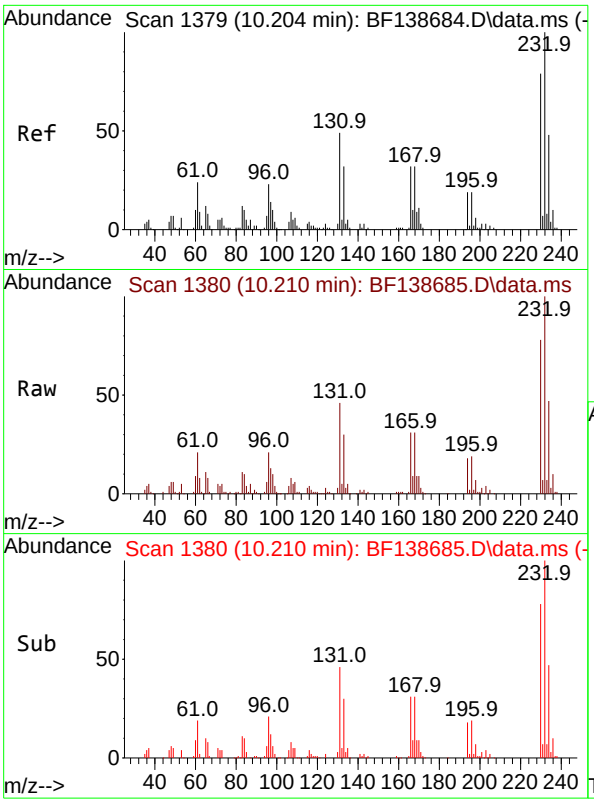


#58
Fluorene
Concen: 46.711 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



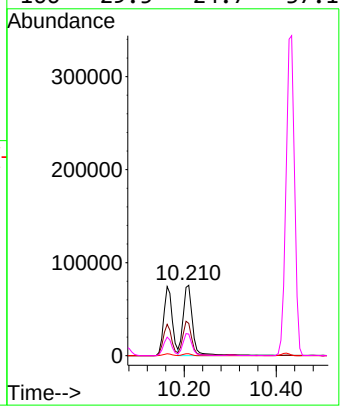


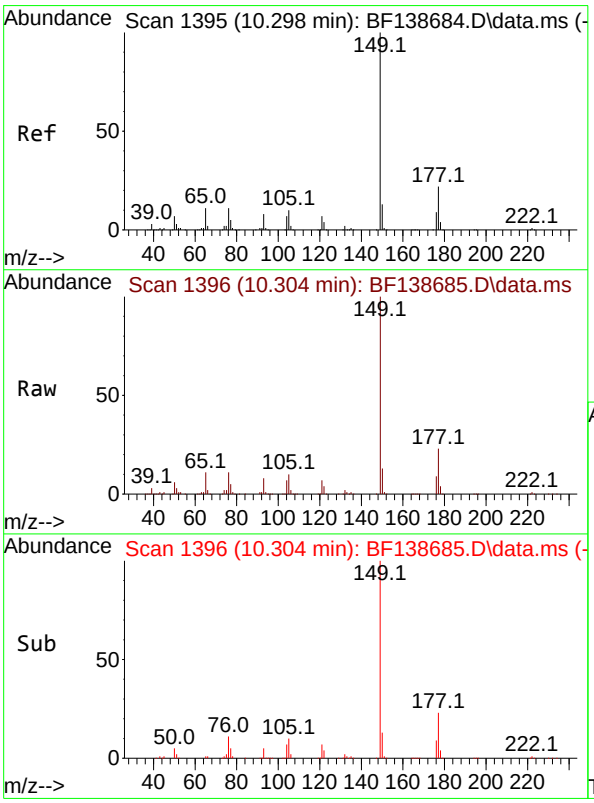
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.402 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

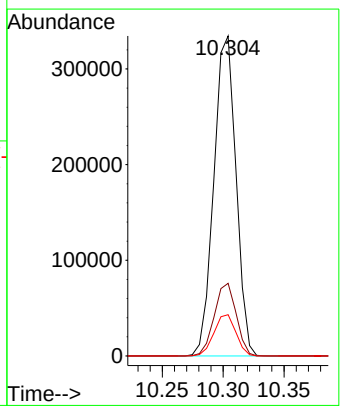


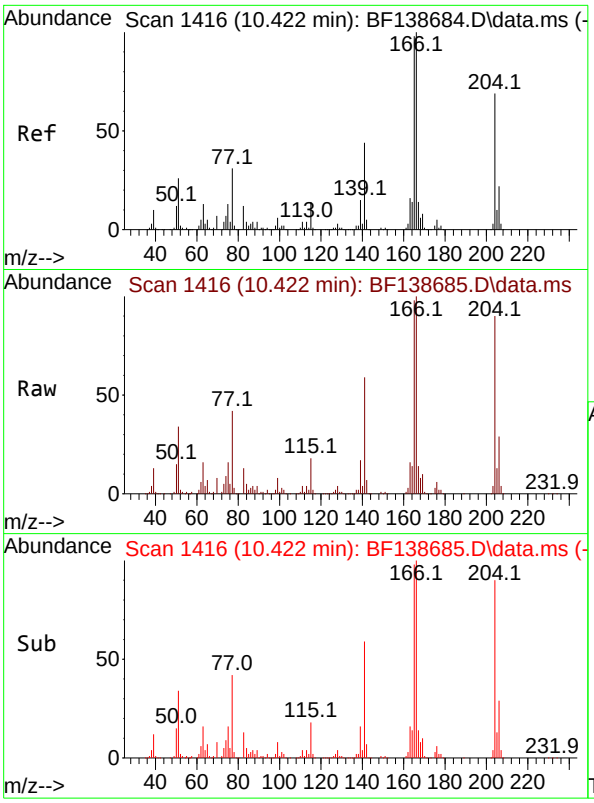


#60
Diethylphthalate
Concen: 45.886 ng
RT: 10.304 min Scan# 1396
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



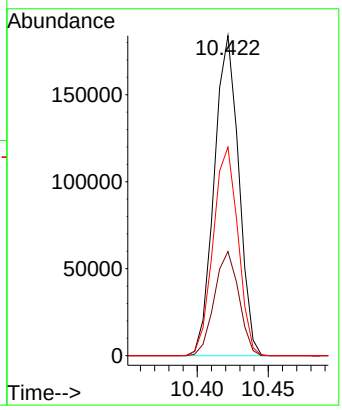


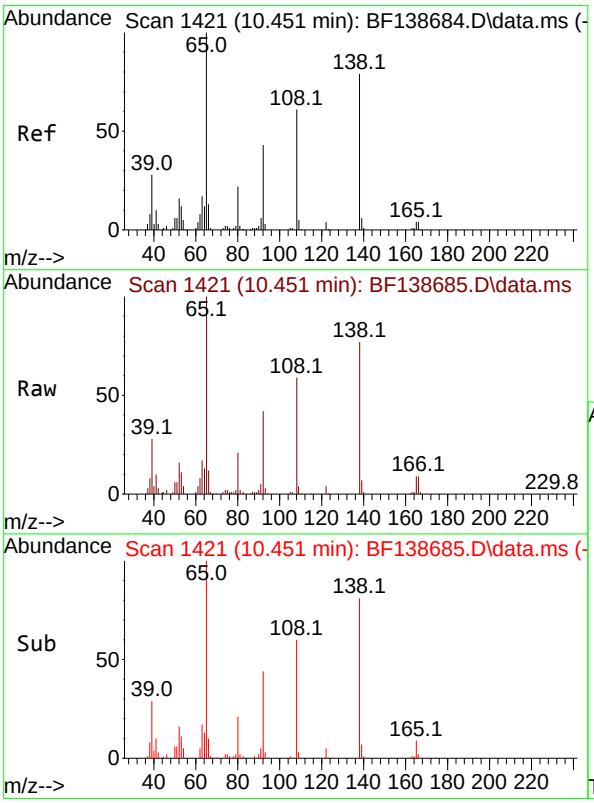
#61
4-Chlorophenyl-phenylether
Concen: 47.209 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

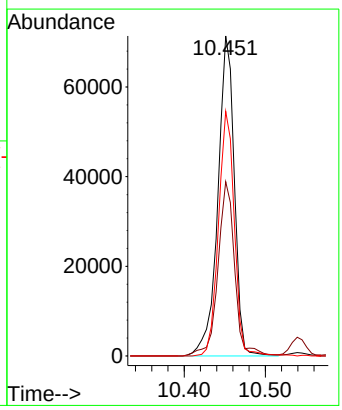


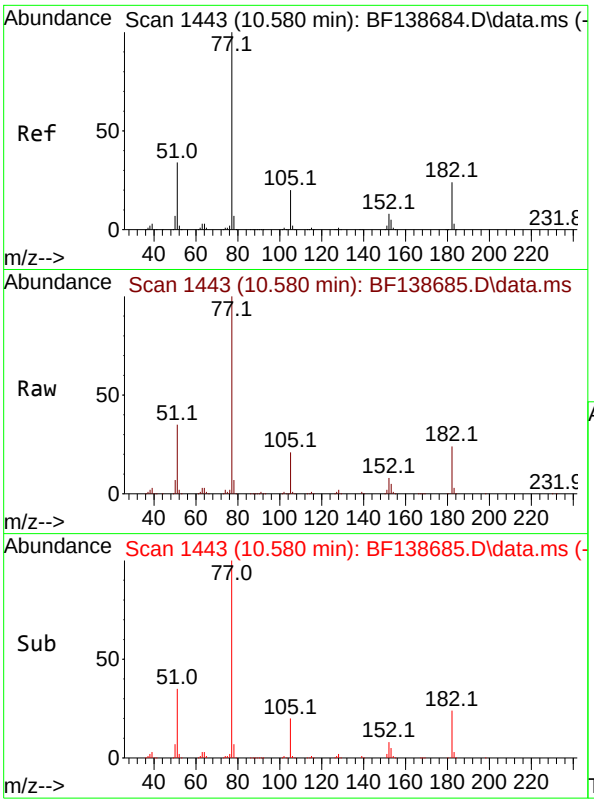


#62
4-Nitroaniline
Concen: 46.819 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



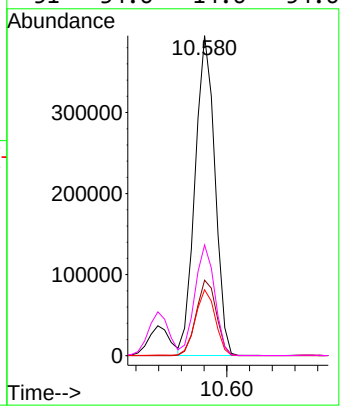


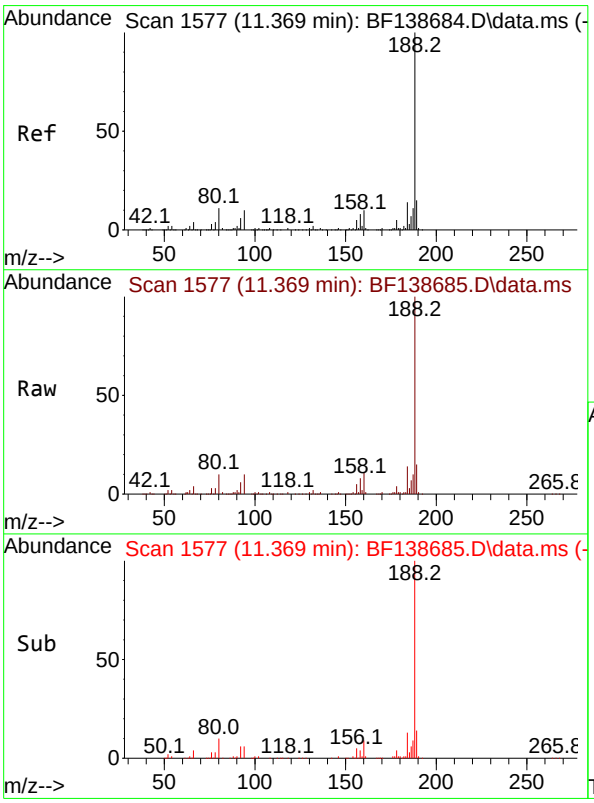
#63
Azobenzene
Concen: 46.818 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

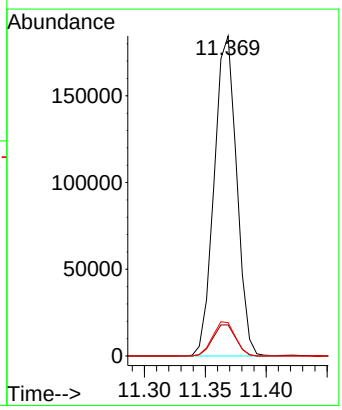


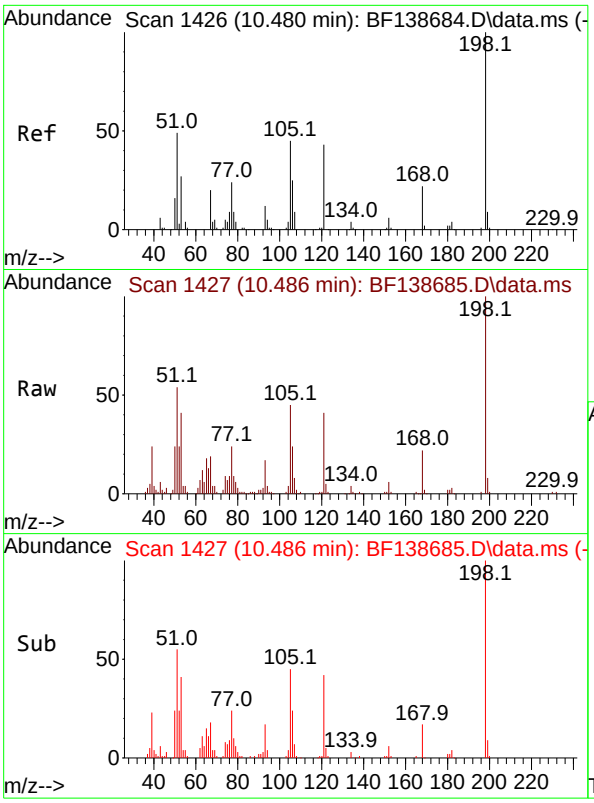


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



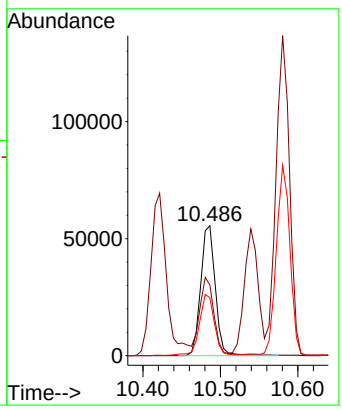


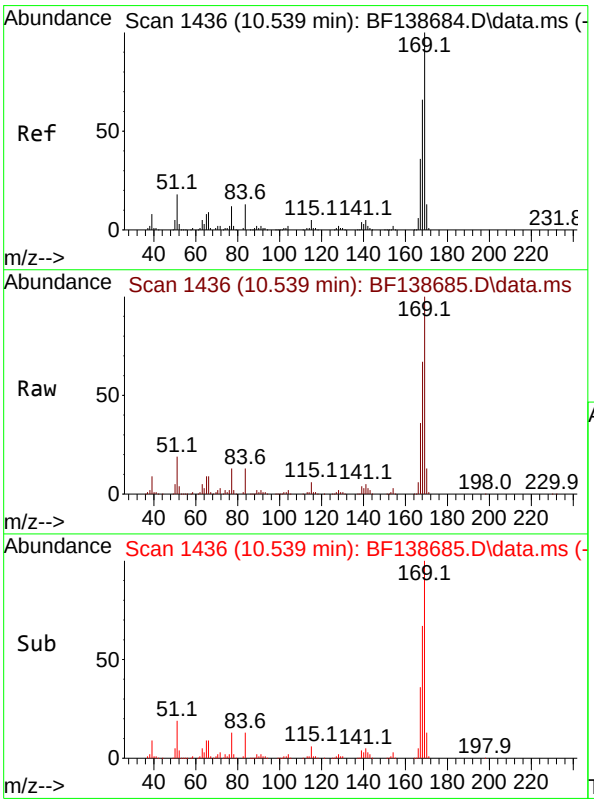
#65
4,6-Dinitro-2-methylphenol
Concen: 50.244 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

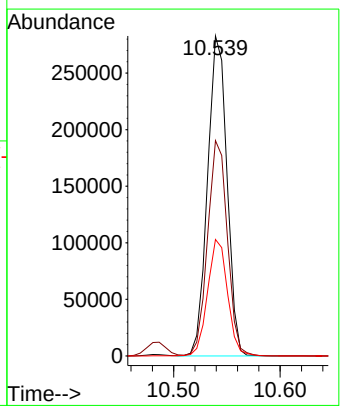


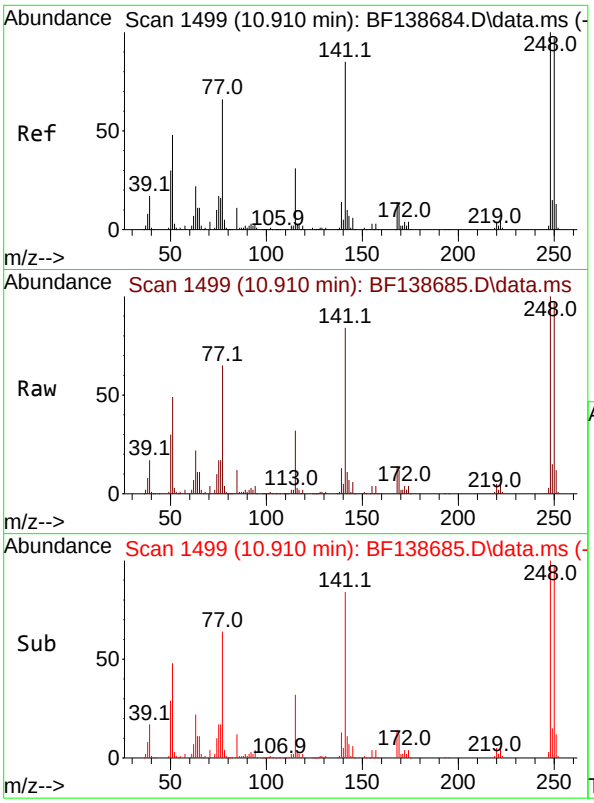


#66
n-Nitrosodiphenylamine
Concen: 48.503 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



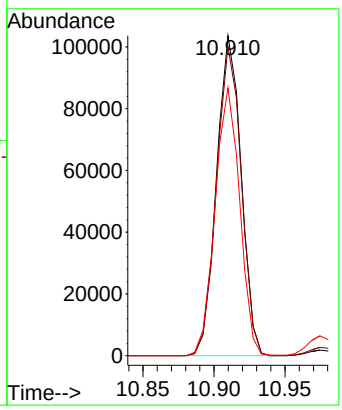


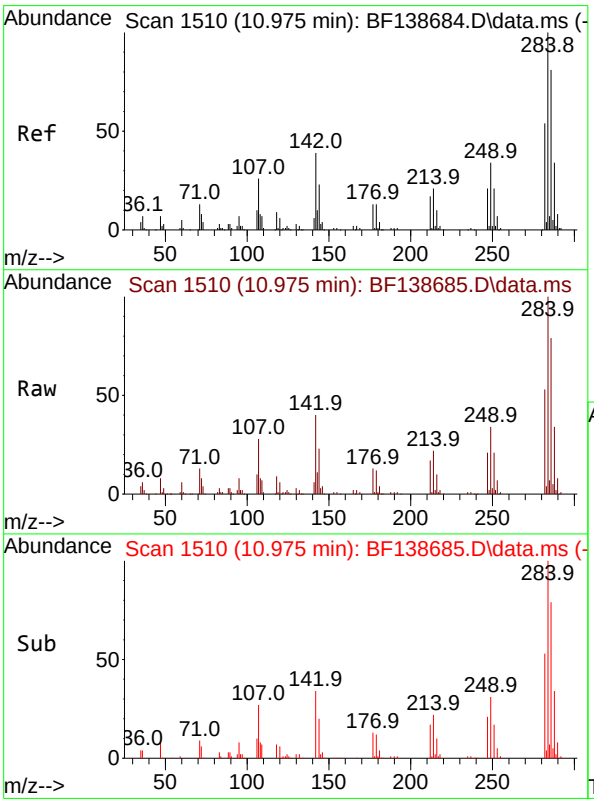
#67
4-Bromophenyl-phenylether
Concen: 48.653 ng
RT: 10.910 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

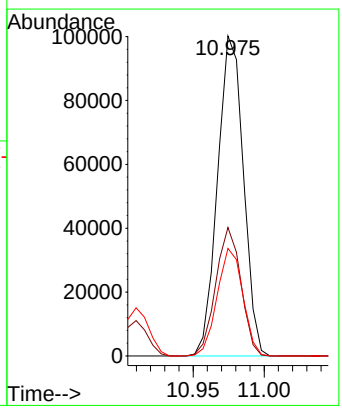


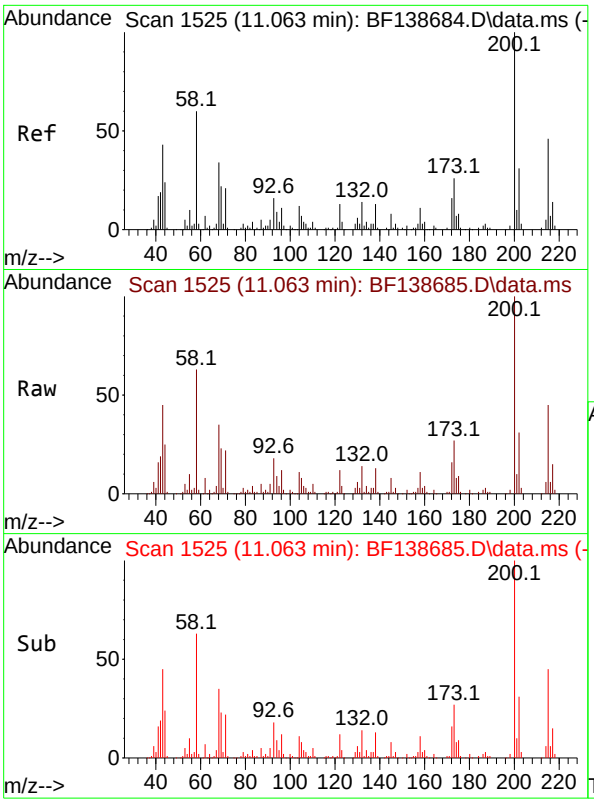


#68
Hexachlorobenzene
Concen: 47.827 ng
RT: 10.975 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



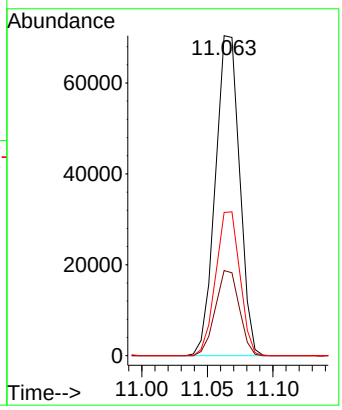


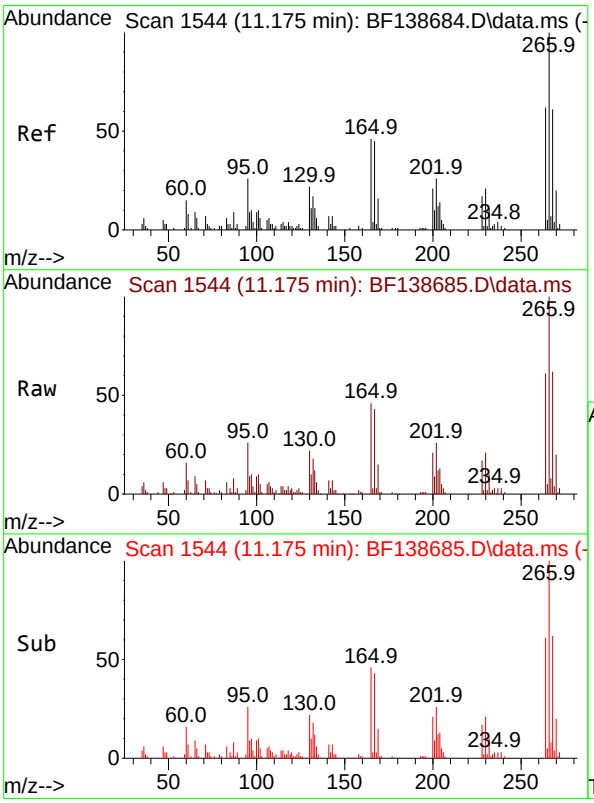
#69
Atrazine
Concen: 47.380 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

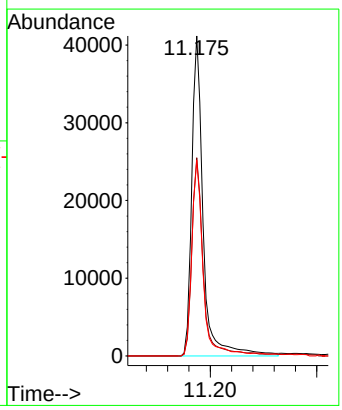


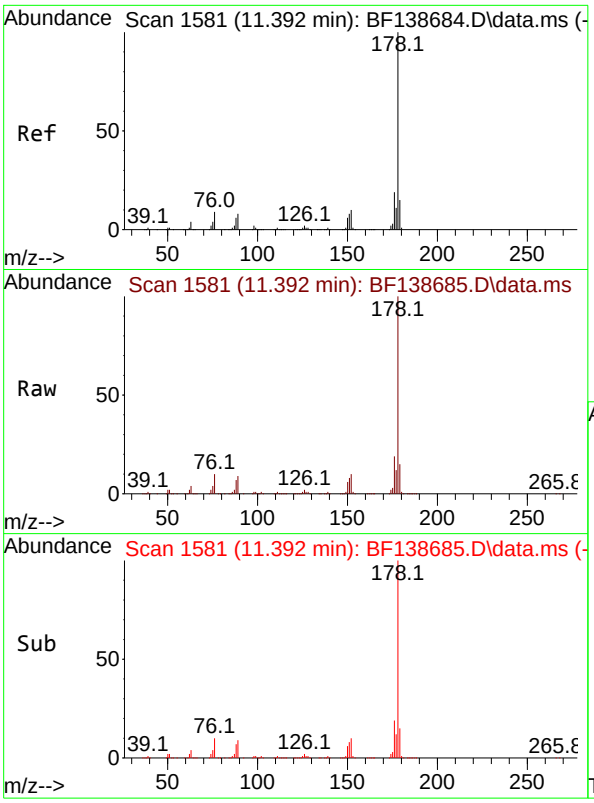


#70
Pentachlorophenol
Concen: 51.390 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



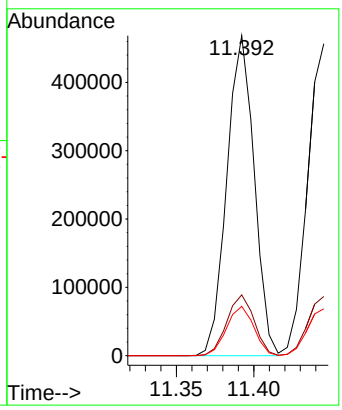


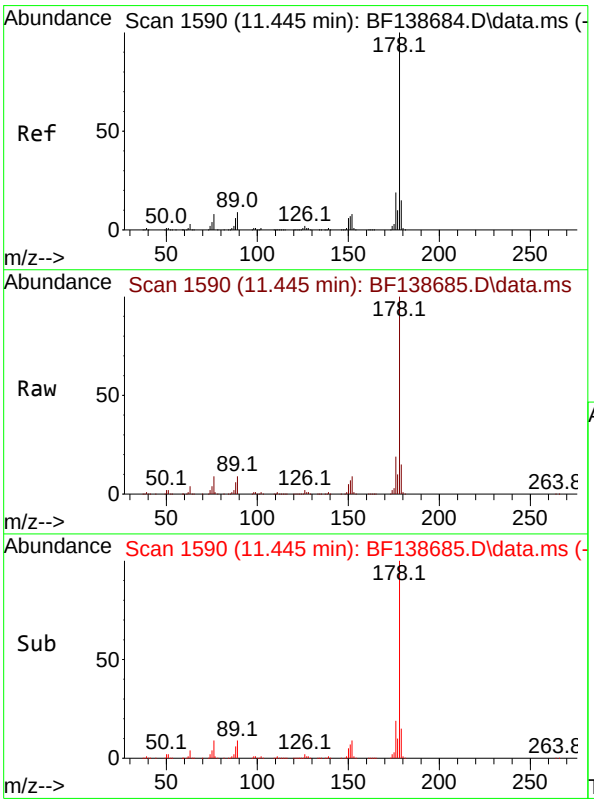
#71
Phenanthrene
Concen: 47.109 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

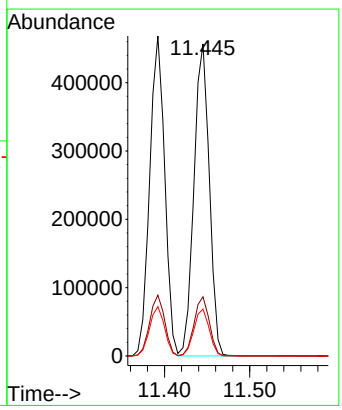


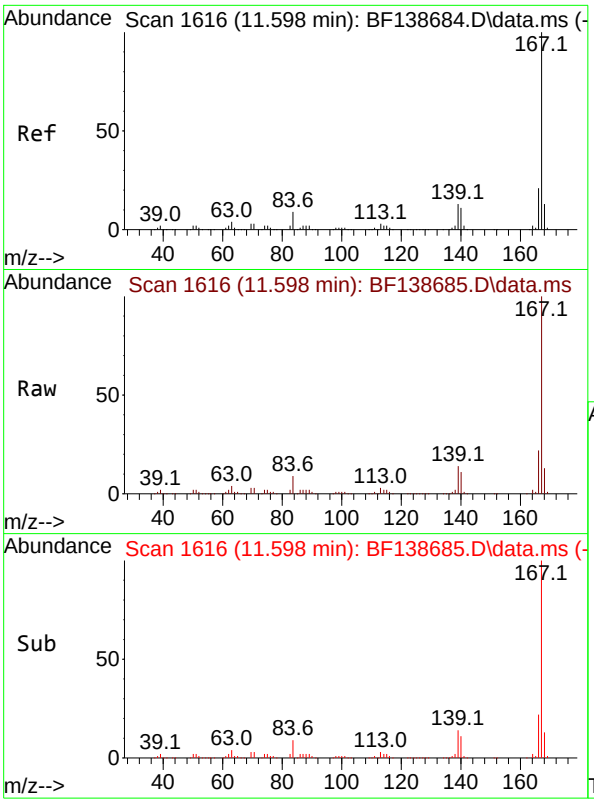


#72
Anthracene
Concen: 47.539 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



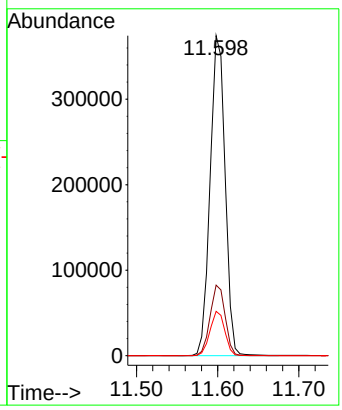


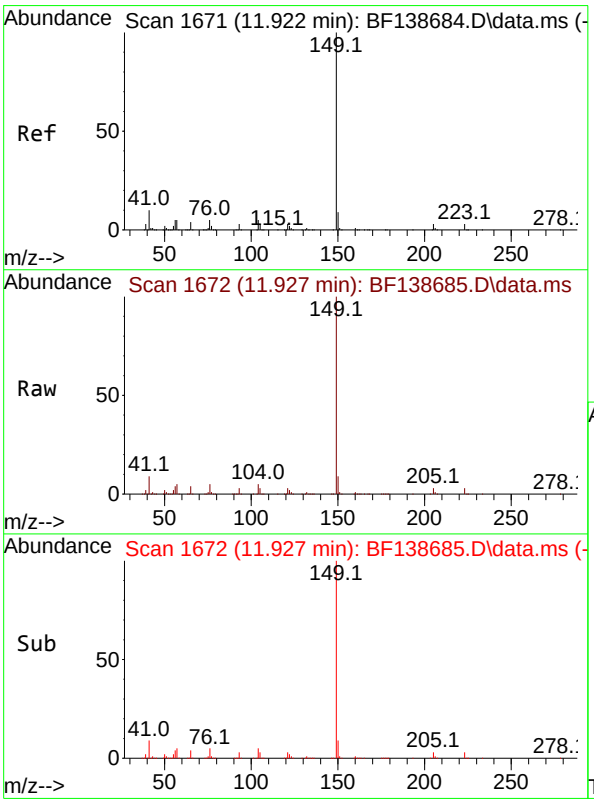
#73
Carbazole
Concen: 46.275 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

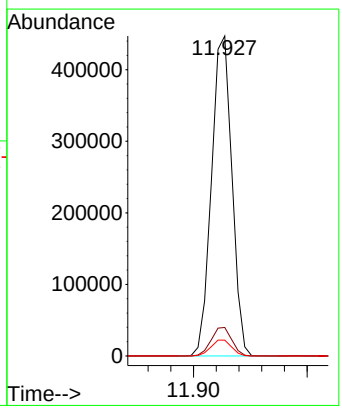


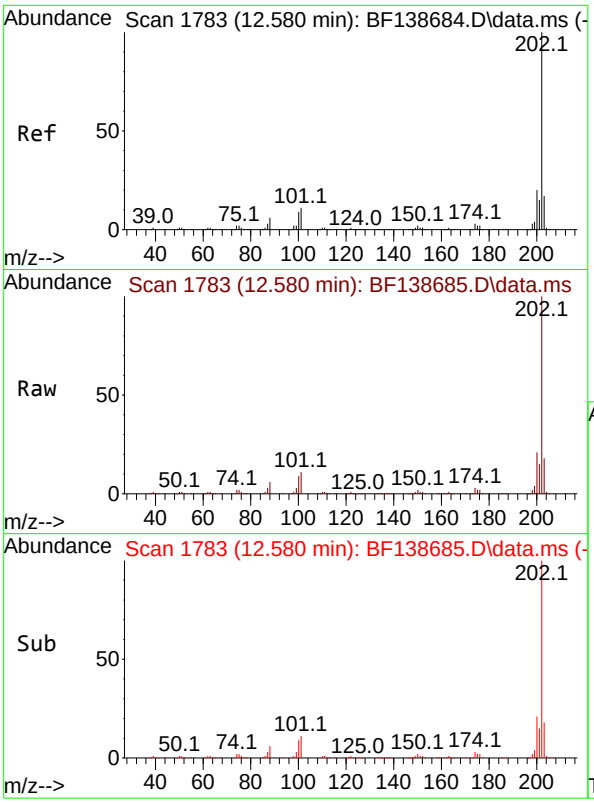


#74
Di-n-butylphthalate
Concen: 47.956 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



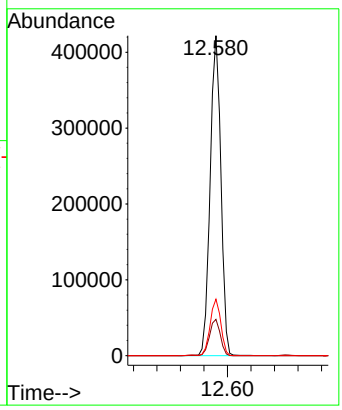


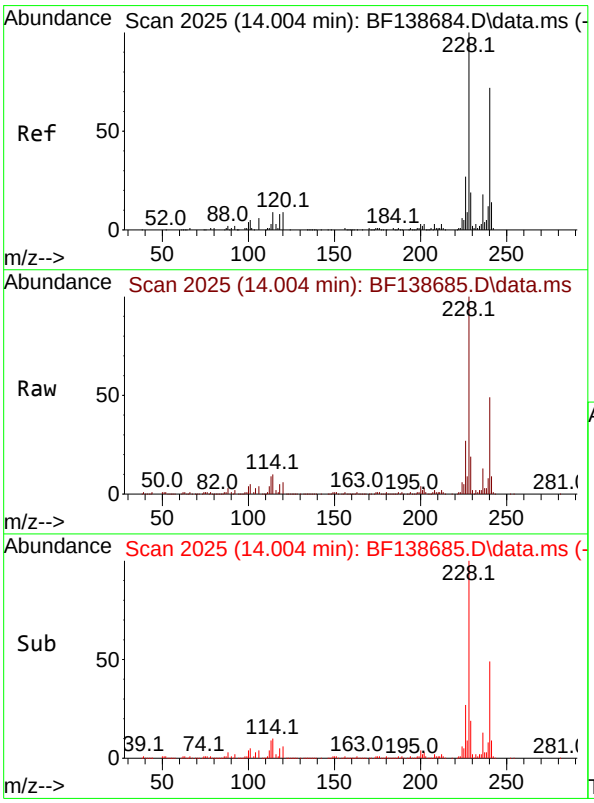
#75
Fluoranthene
Concen: 46.772 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

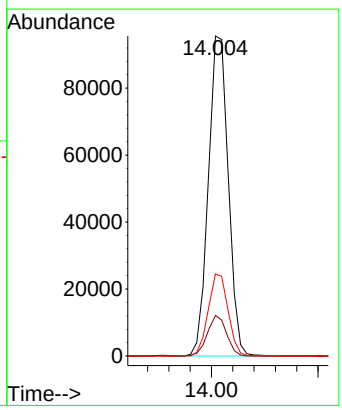


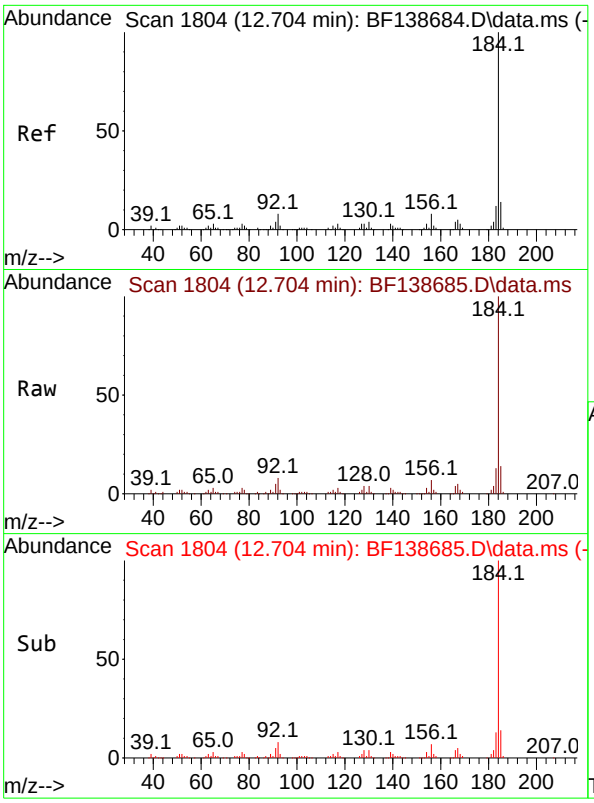


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



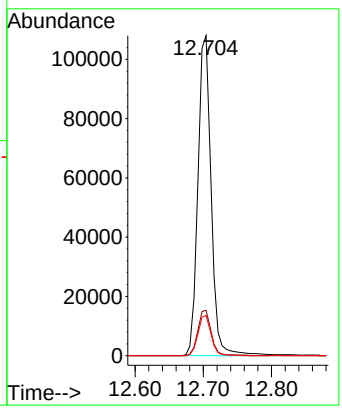


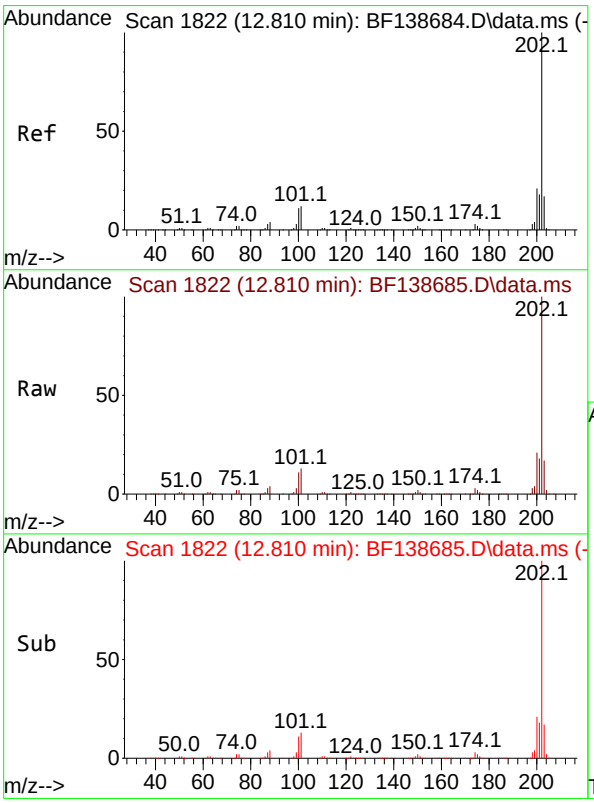
#77
Benzidine
Concen: 49.129 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

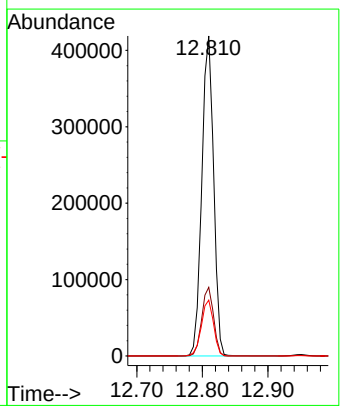


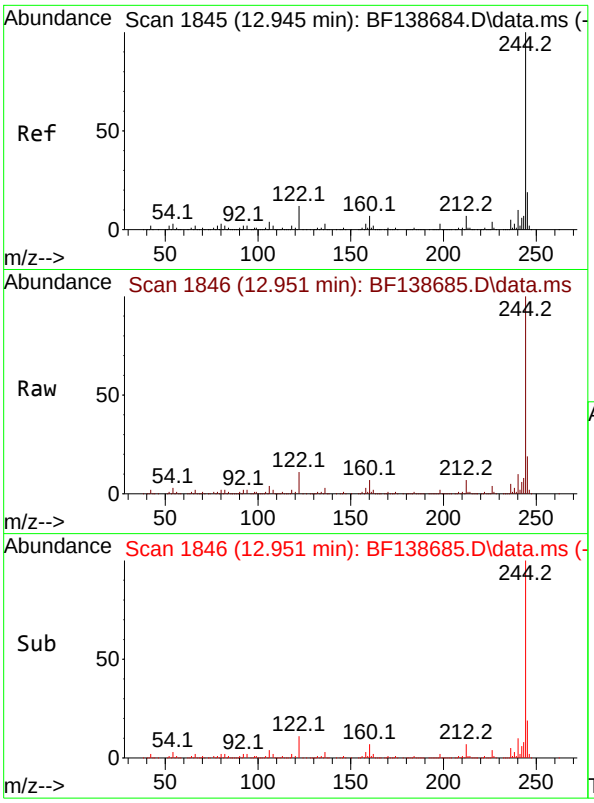


#78
Pyrene
Concen: 44.974 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



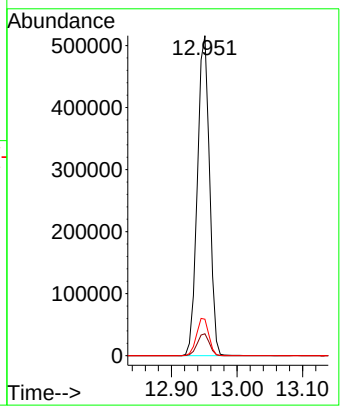


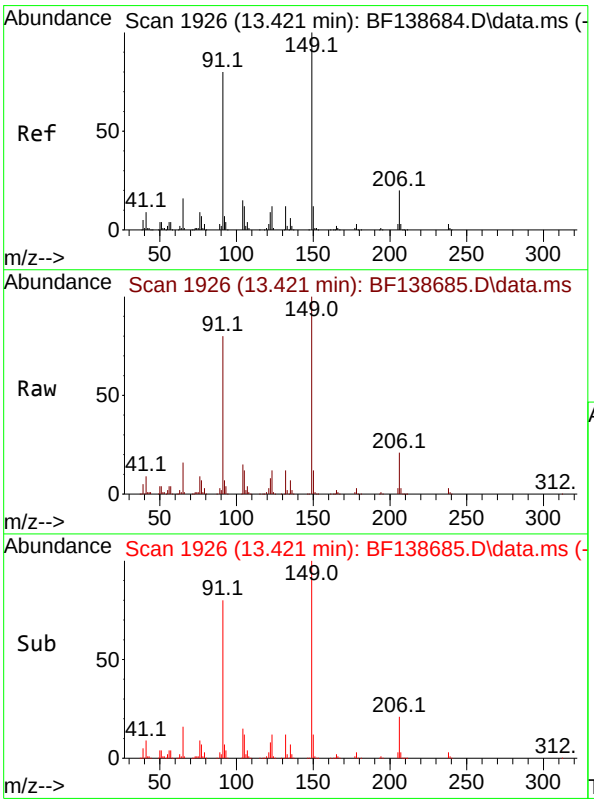
#79
Terphenyl-d14
Concen: 89.751 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

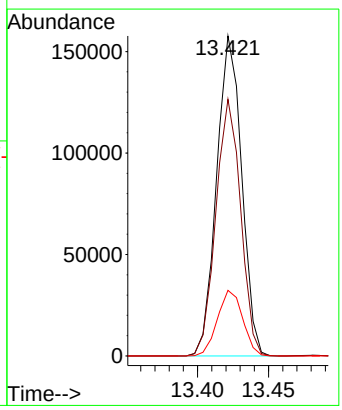


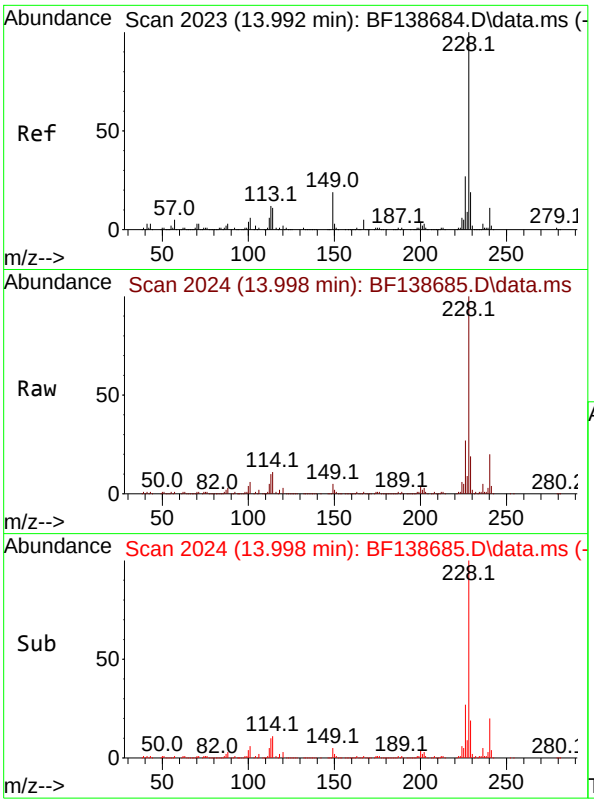


#80
Butylbenzylphthalate
Concen: 51.575 ng
RT: 13.421 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



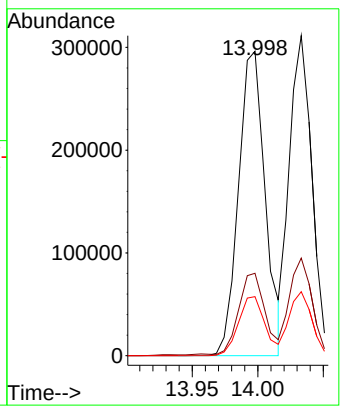


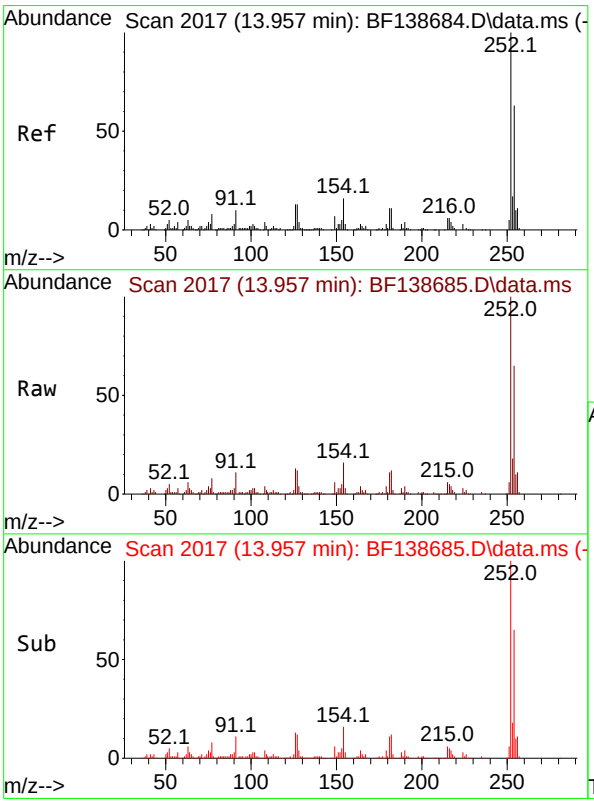
#81
Benzo(a)anthracene
Concen: 49.040 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

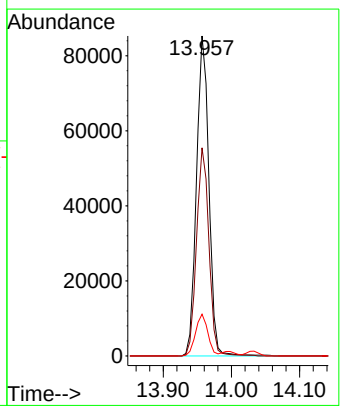


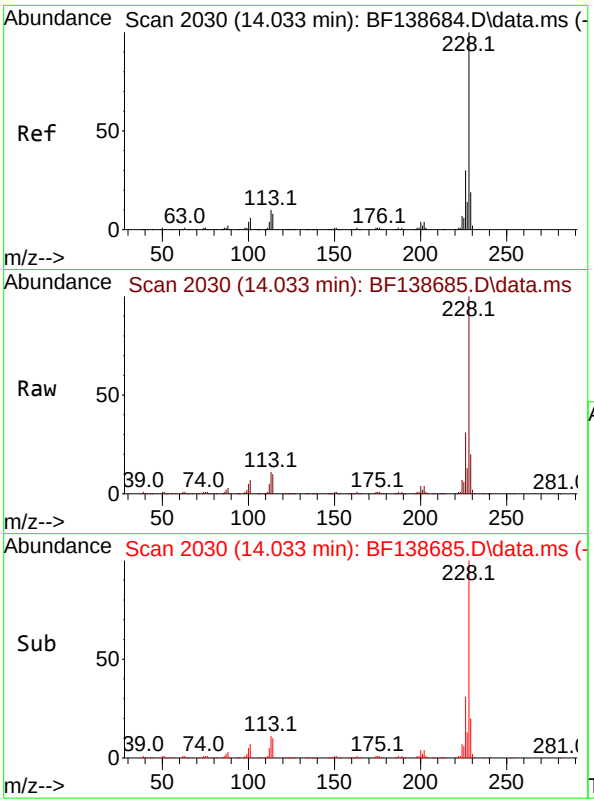


#82
3,3'-Dichlorobenzidine
Concen: 49.088 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



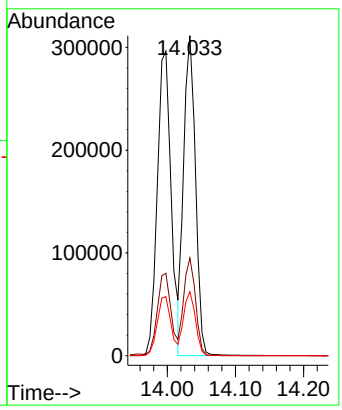


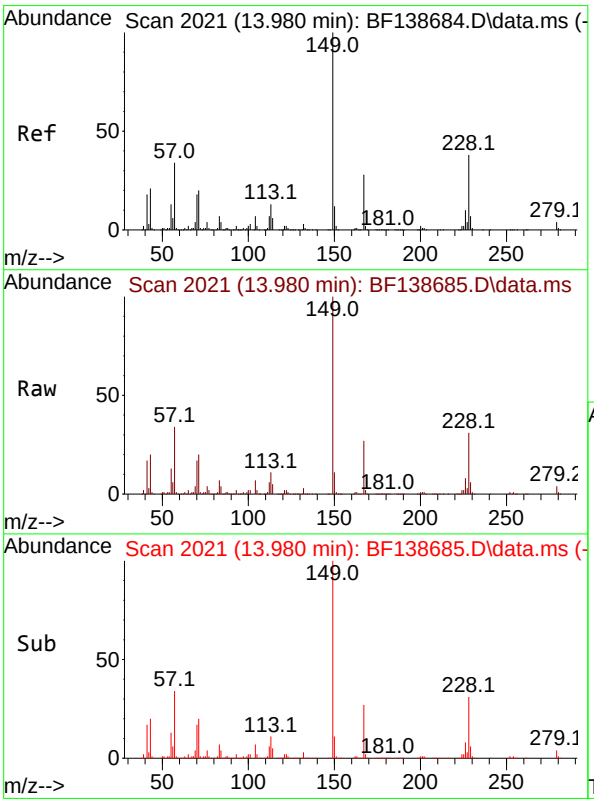
#83
Chrysene
Concen: 48.391 ng
RT: 14.033 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

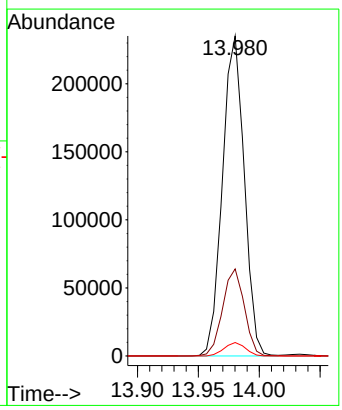


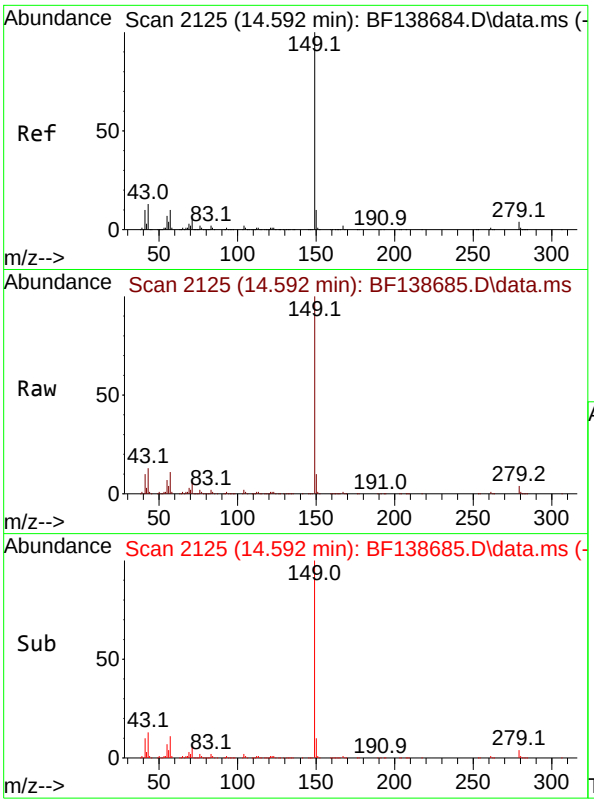


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.519 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



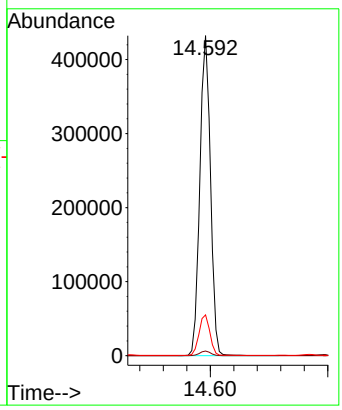


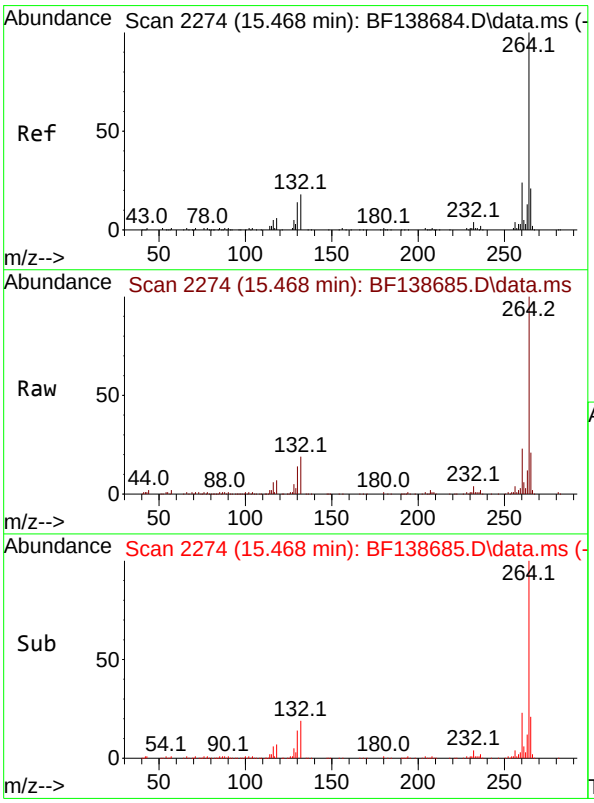
#85
Di-n-octyl phthalate
Concen: 53.306 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

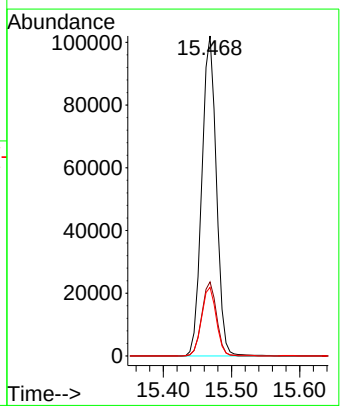


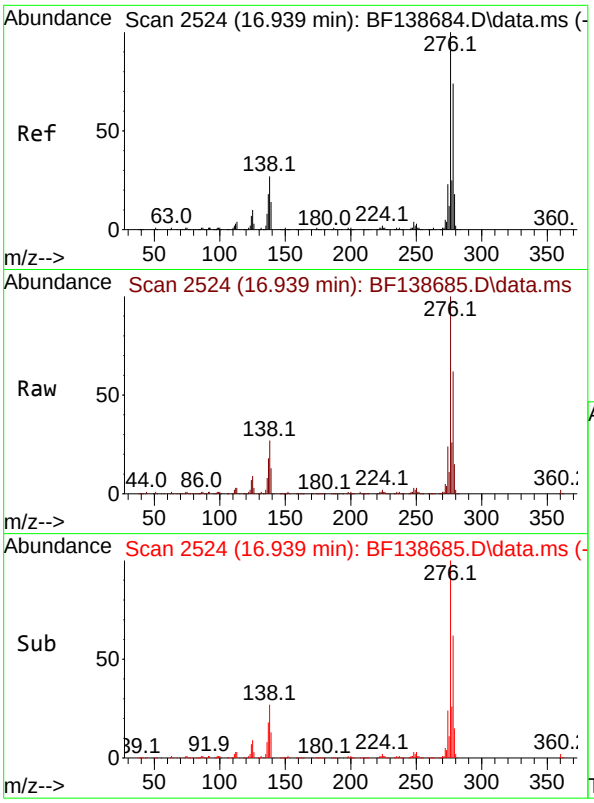


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



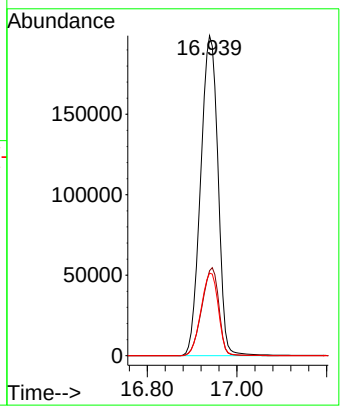


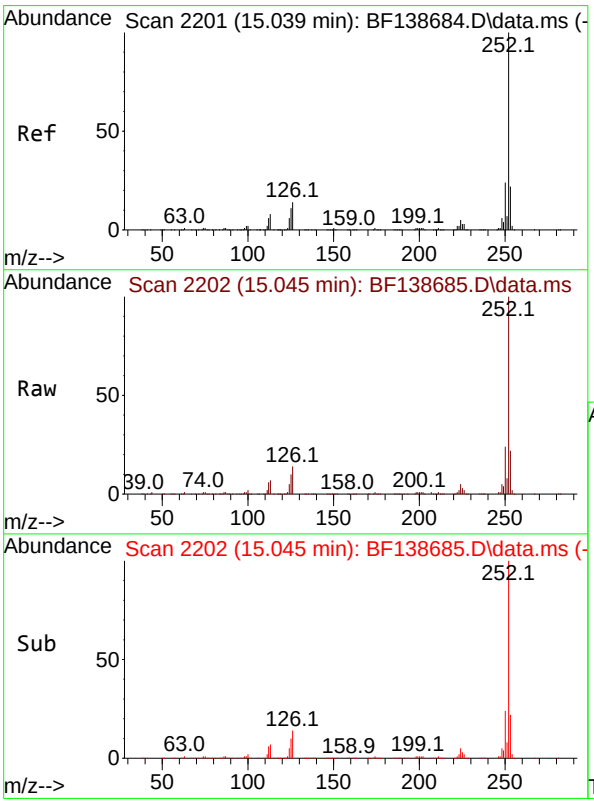
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.039 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

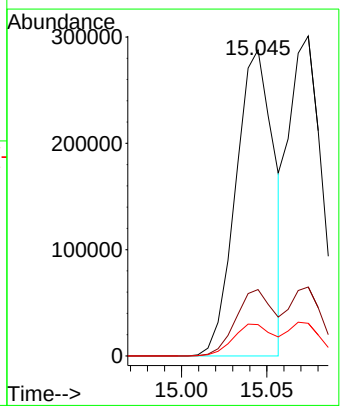


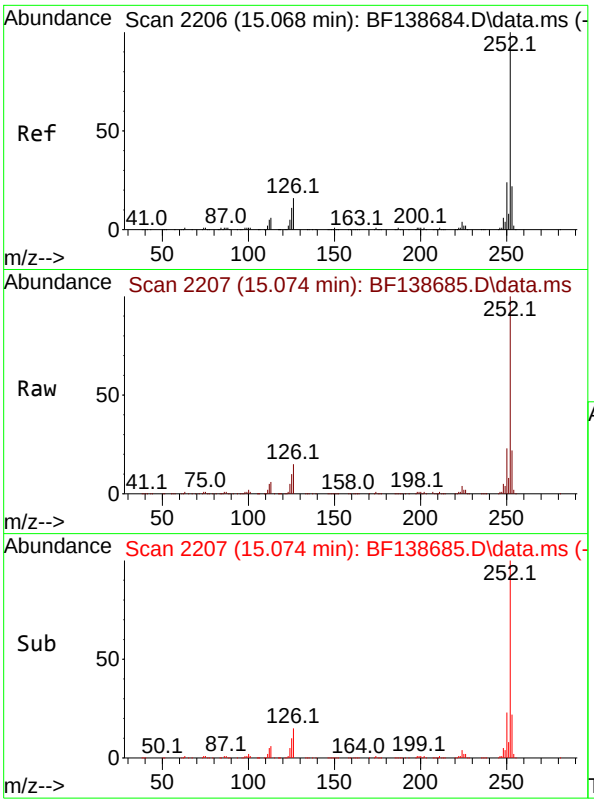


#88
Benzo(b)fluoranthene
Concen: 47.613 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



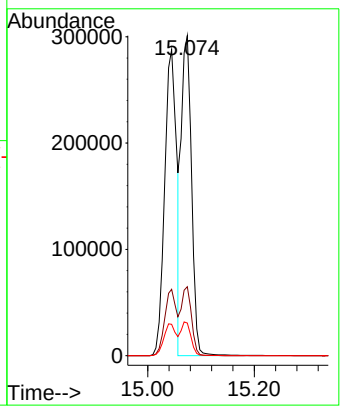


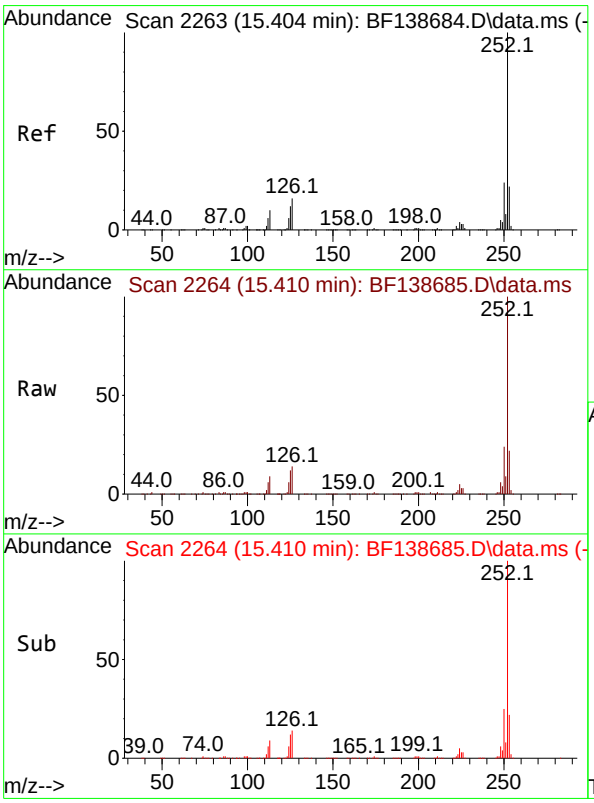
#89
Benzo(k)fluoranthene
Concen: 49.358 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

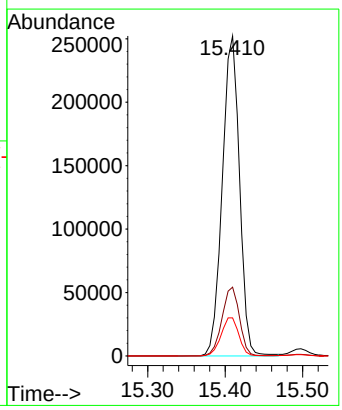


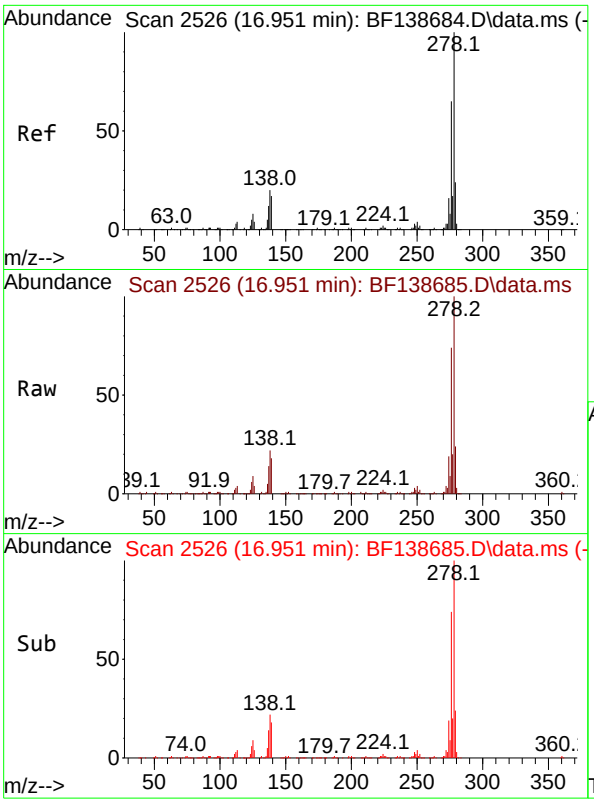


#90
Benzo(a)pyrene
Concen: 49.199 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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



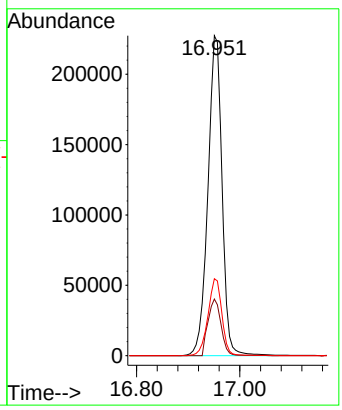


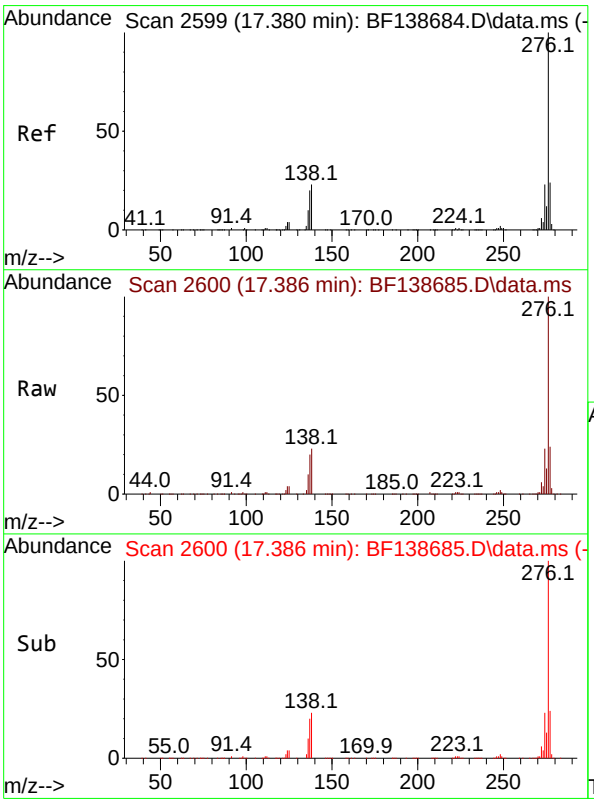
#91
Dibenzo(a,h)anthracene
Concen: 48.460 ng
RT: 16.951 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

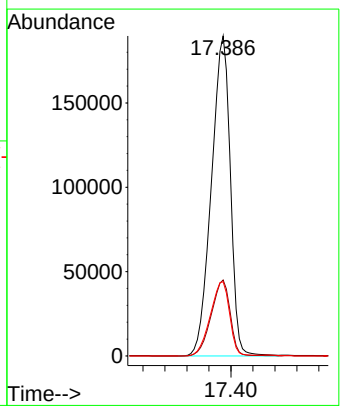




#92
Benzo(g,h,i)perylene
Concen: 48.997 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138685.D
Acq: 30 Jul 2024 15:27

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

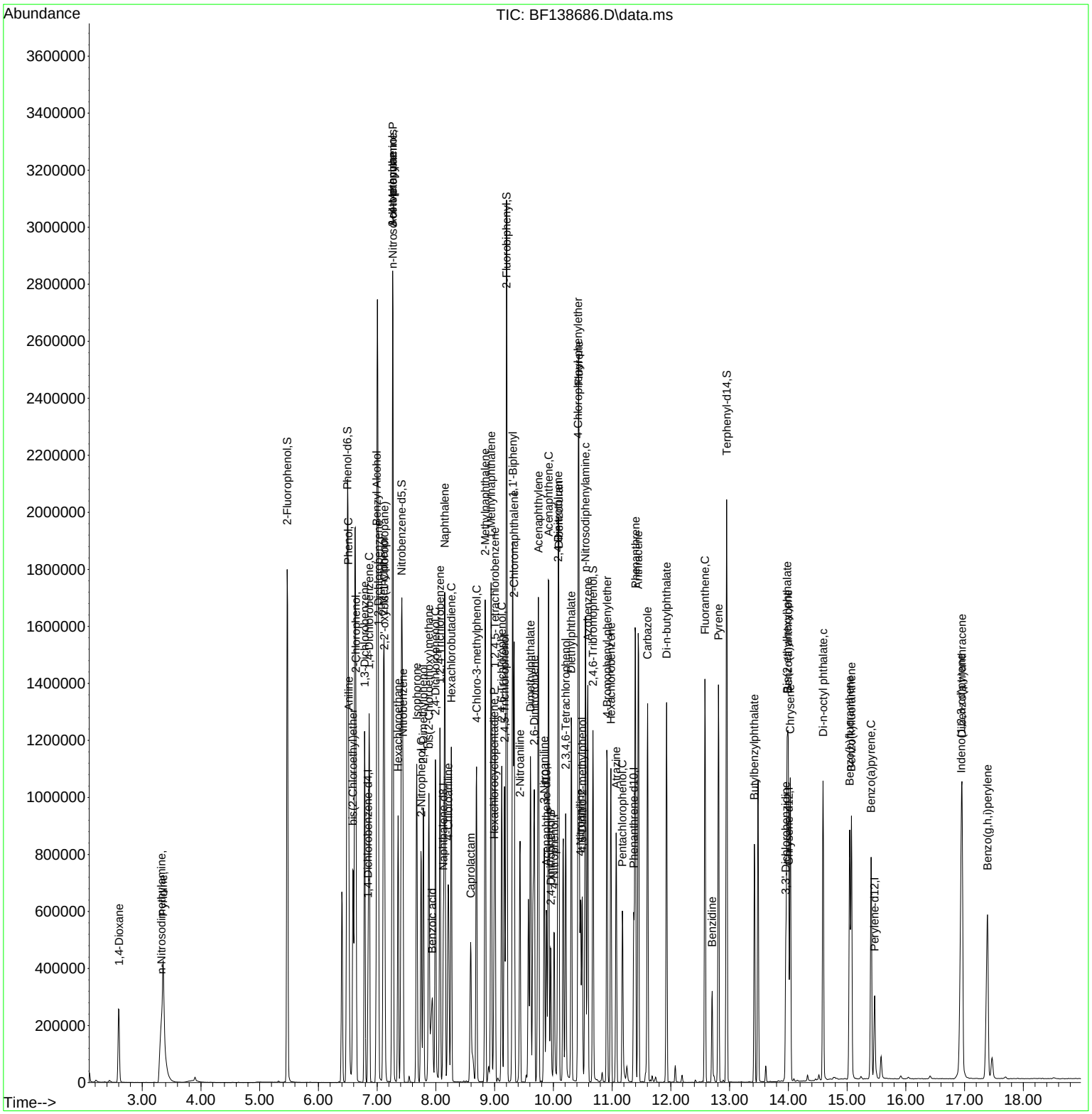
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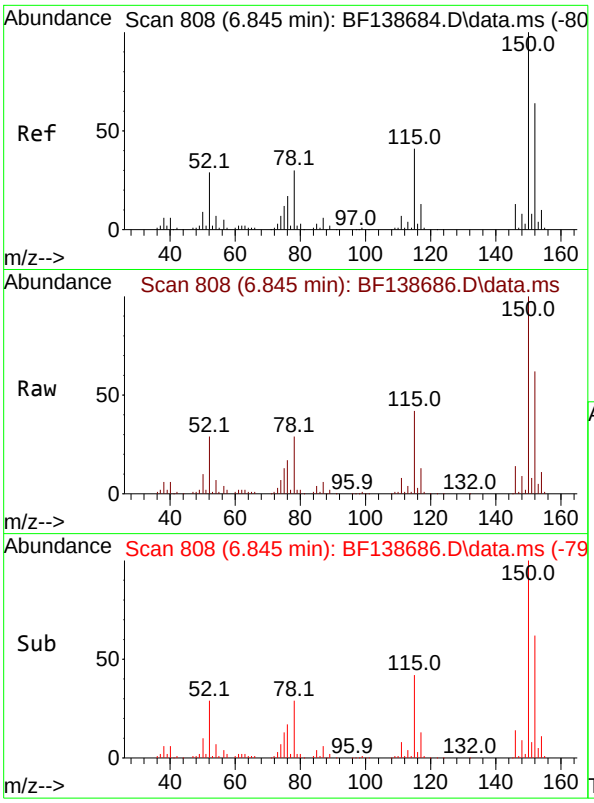
ICAL Form

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



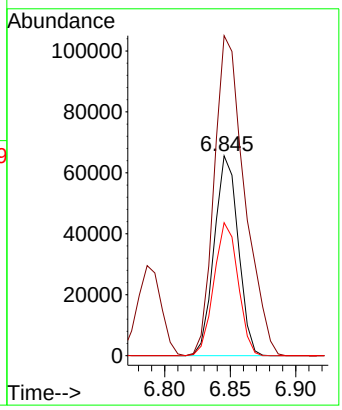


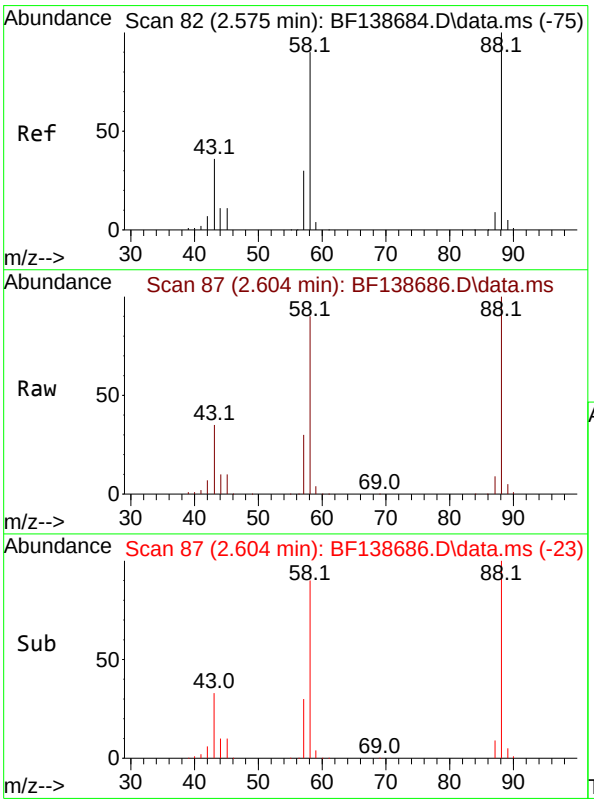
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

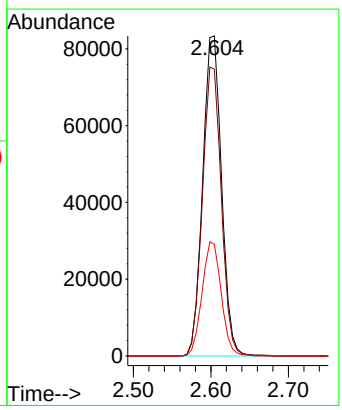


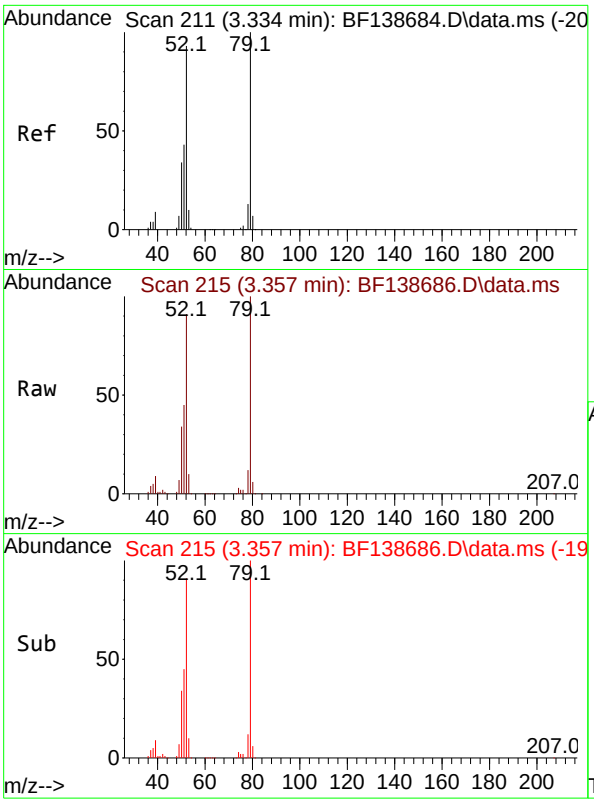


#2
1,4-Dioxane
Concen: 59.504 ng
RT: 2.604 min Scan# 87
Delta R.T. 0.029 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



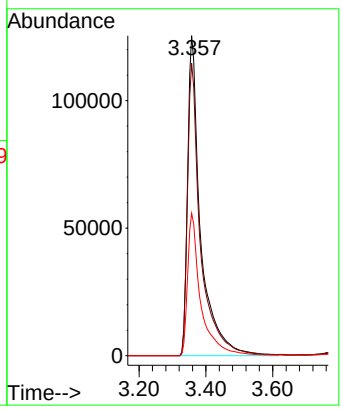


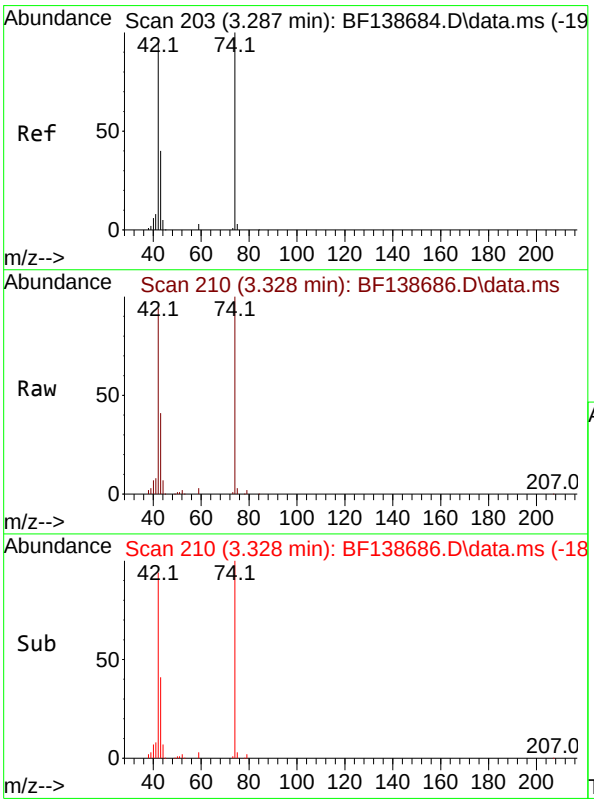
#3
Pyridine
Concen: 59.310 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

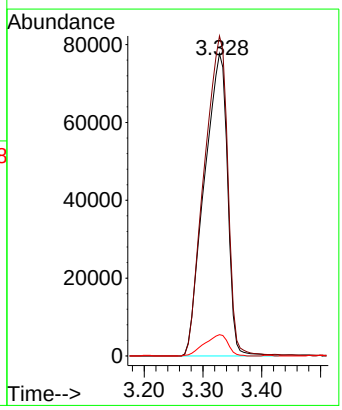


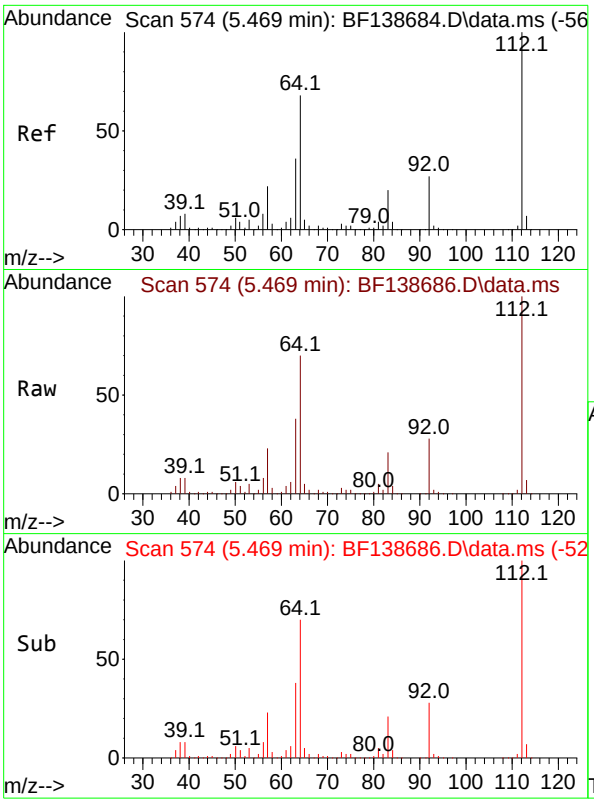


#4
n-Nitrosodimethylamine
Concen: 62.209 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.041 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



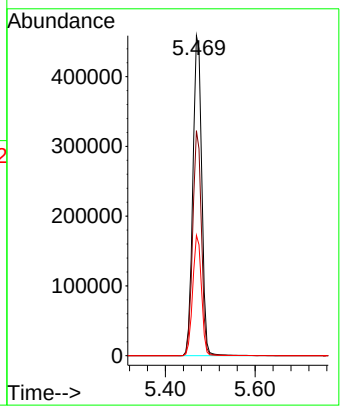


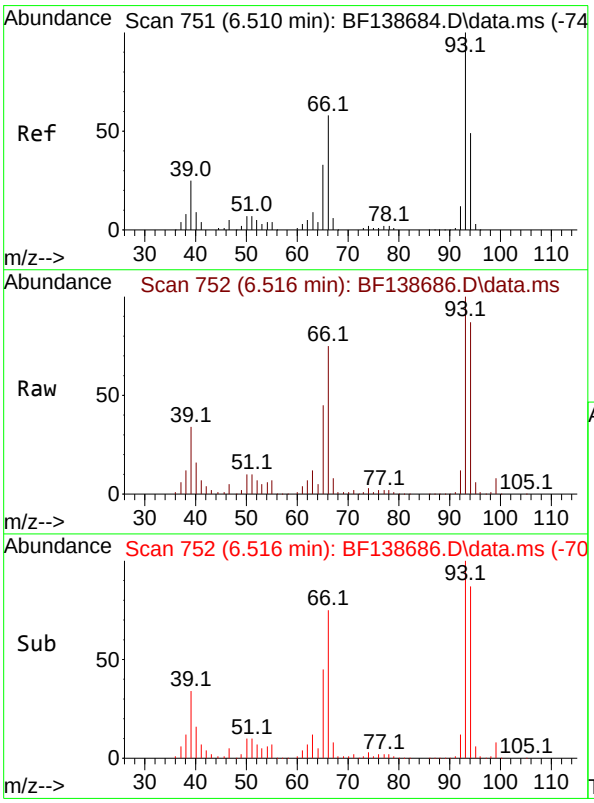
#5
2-Fluorophenol
Concen: 116.311 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

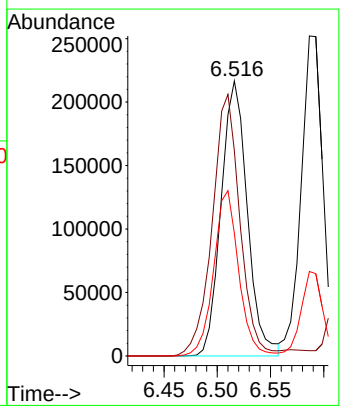


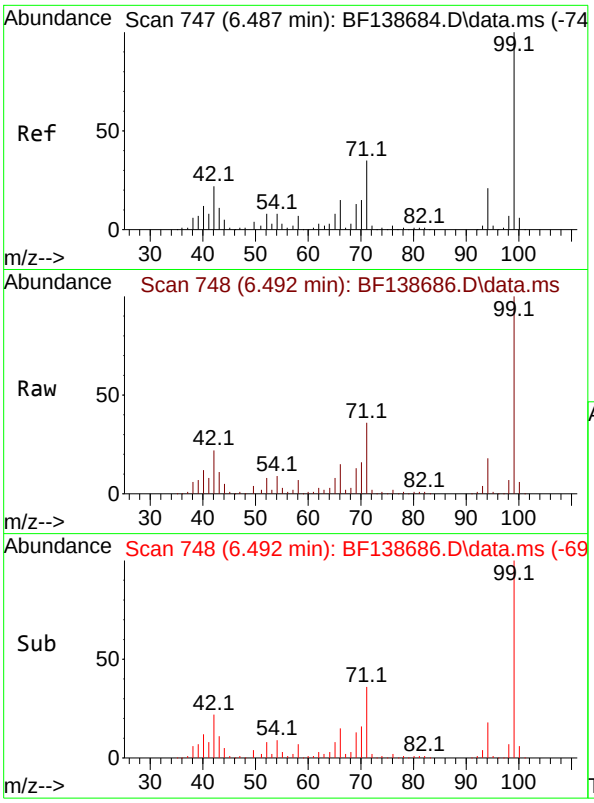


#6
Aniline
Concen: 57.223 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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#



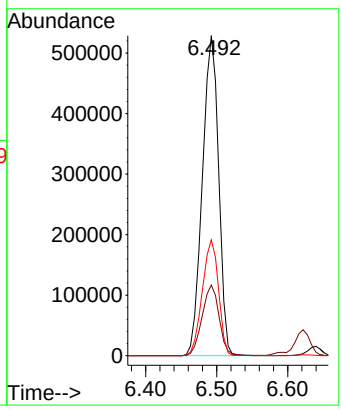


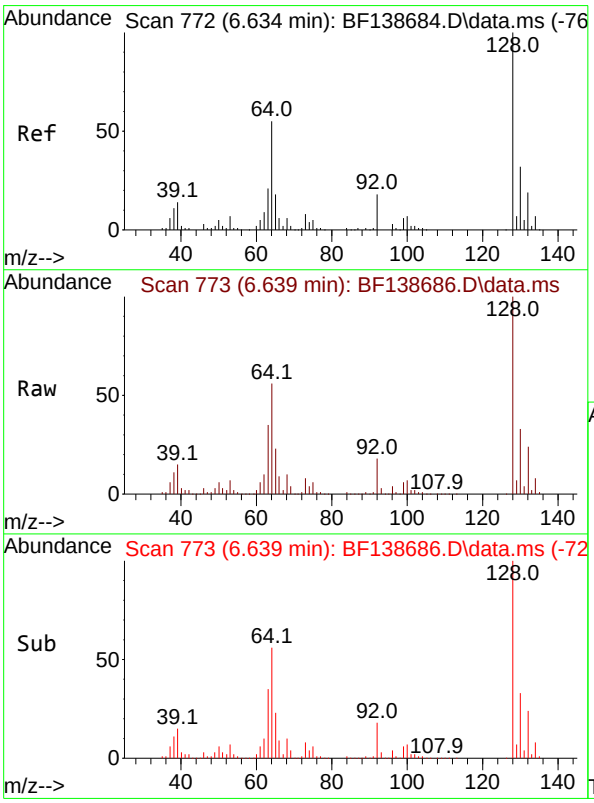
#7
Phenol-d6
Concen: 116.193 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

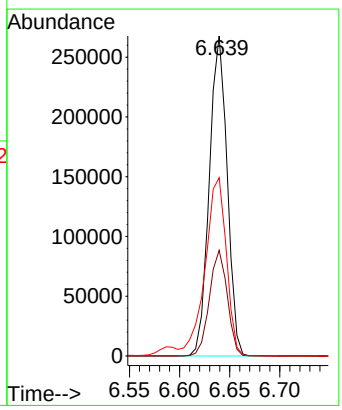


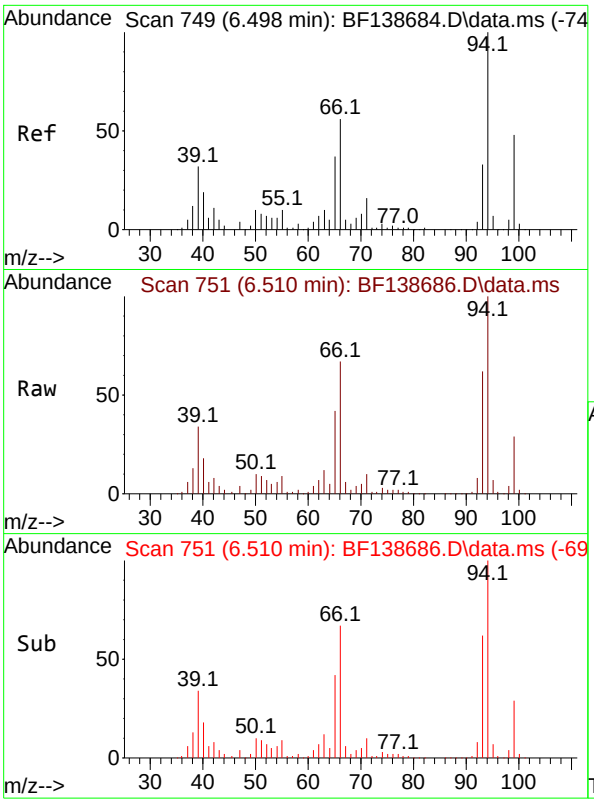


#8
2-Chlorophenol
Concen: 58.323 ng
RT: 6.639 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



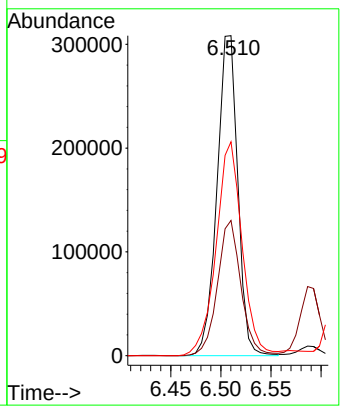


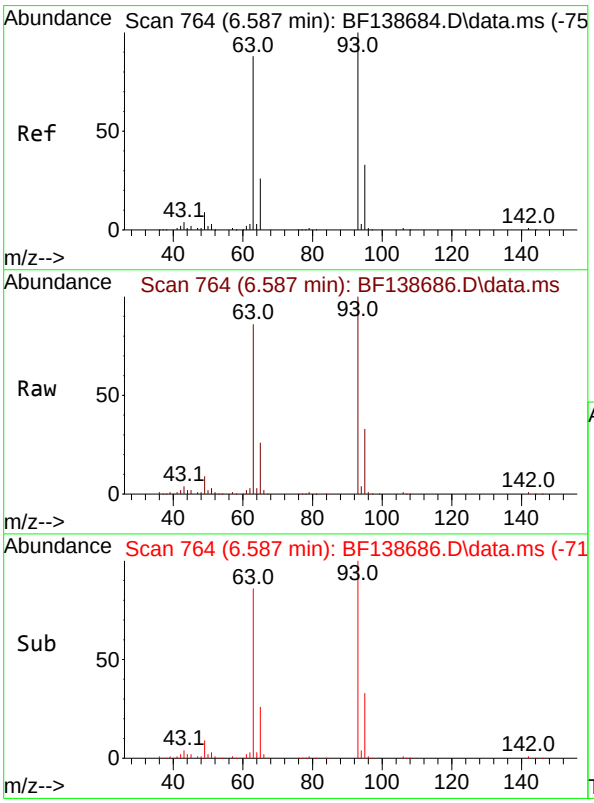
#10
Phenol
Concen: 58.012 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

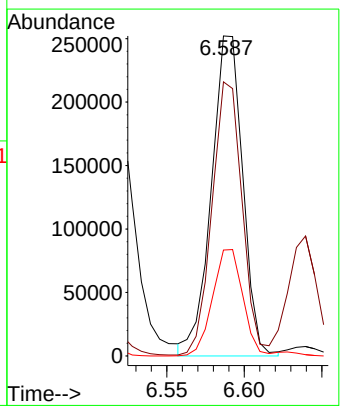


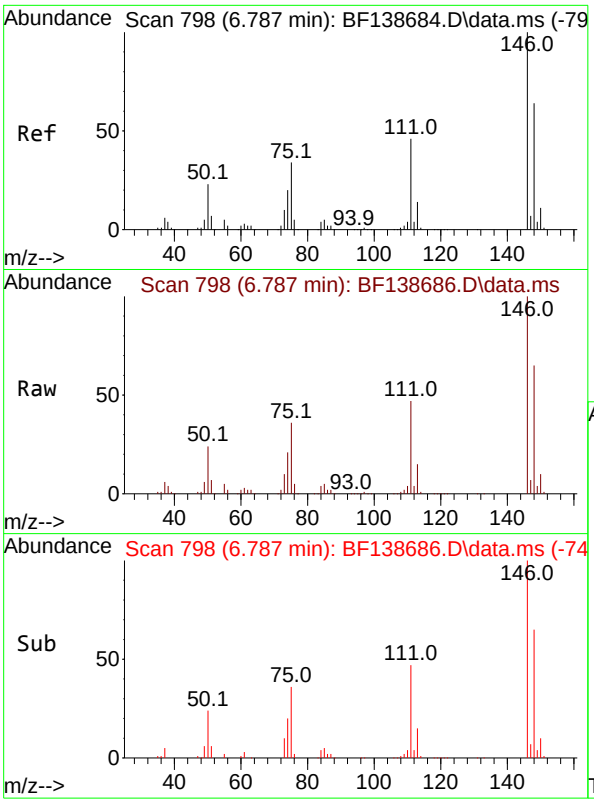


#11
bis(2-Chloroethyl)ether
Concen: 60.274 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



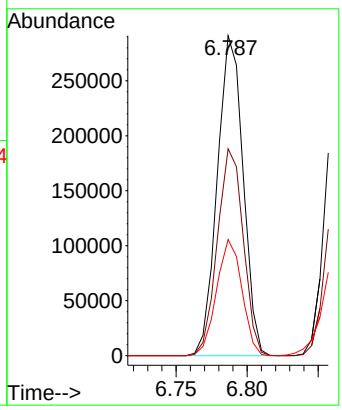


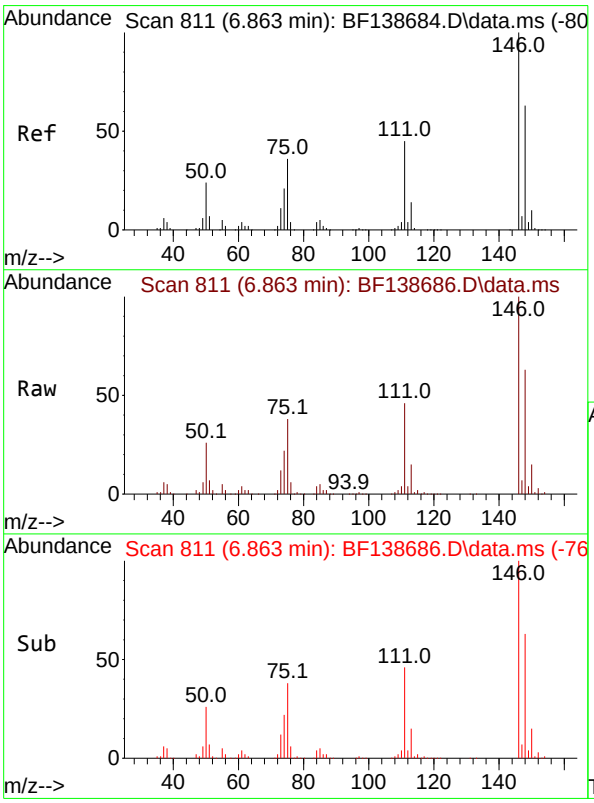
#12
1,3-Dichlorobenzene
Concen: 57.714 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

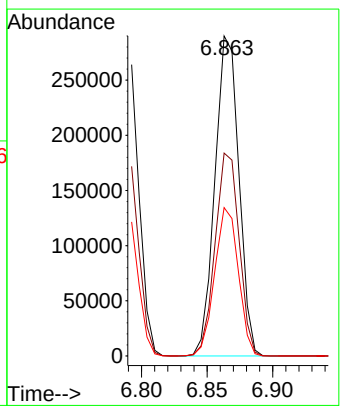


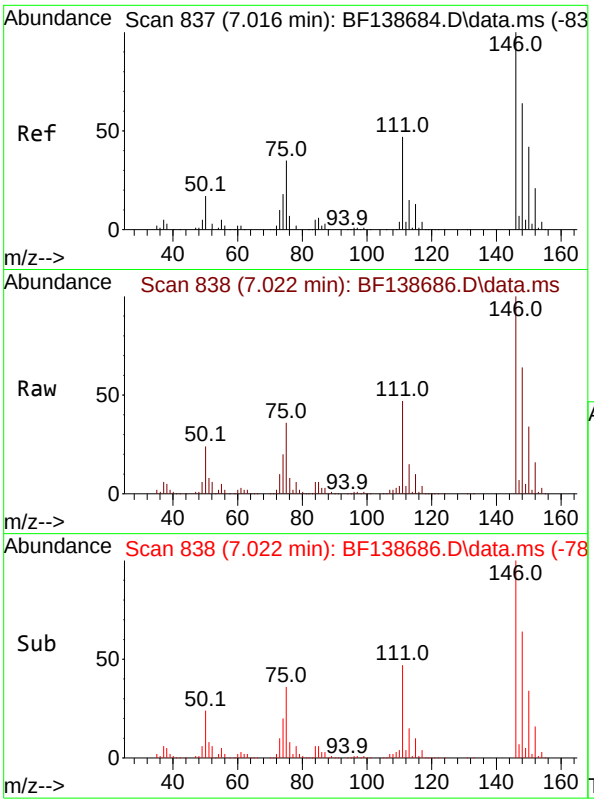


#13
1,4-Dichlorobenzene
Concen: 57.263 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



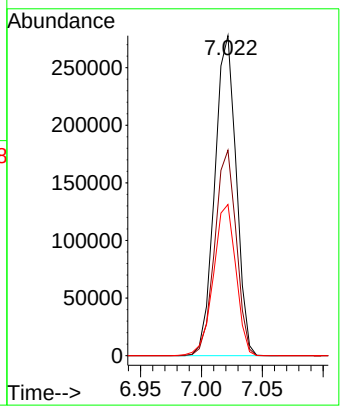


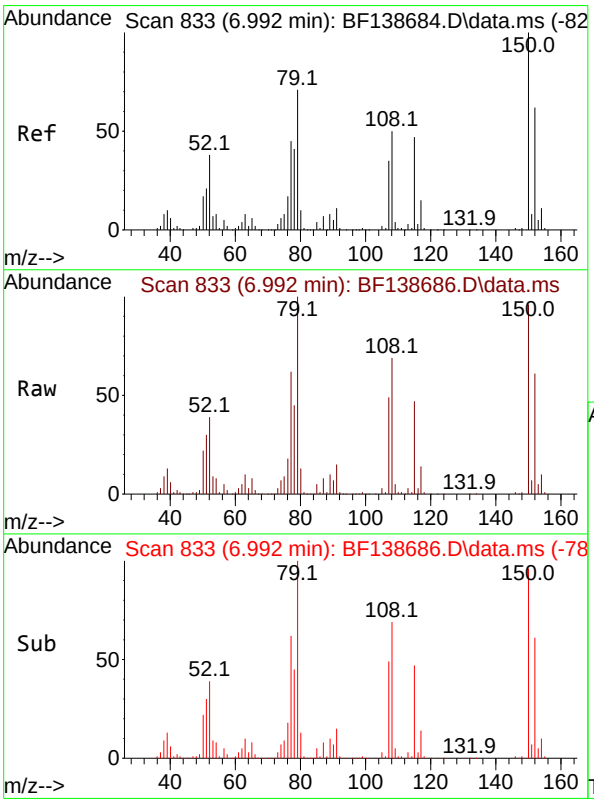
#14
1,2-Dichlorobenzene
Concen: 56.726 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

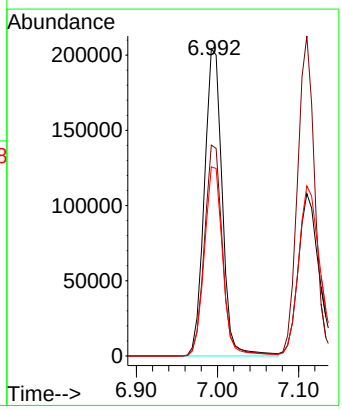


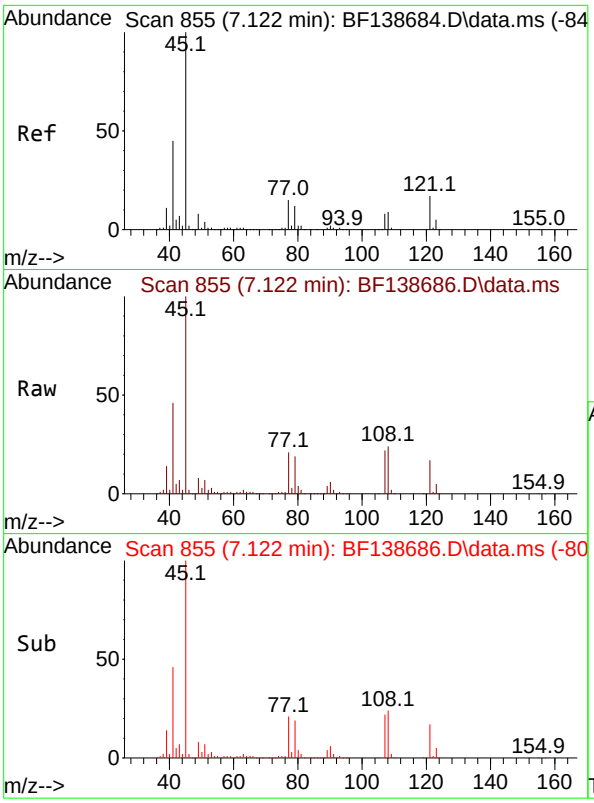


#15
Benzyl Alcohol
Concen: 59.644 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



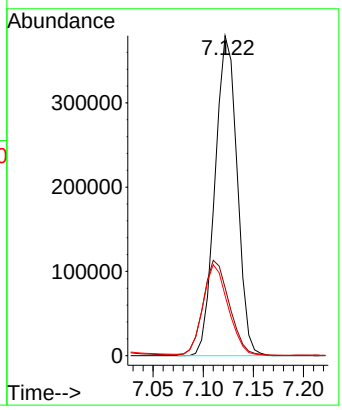


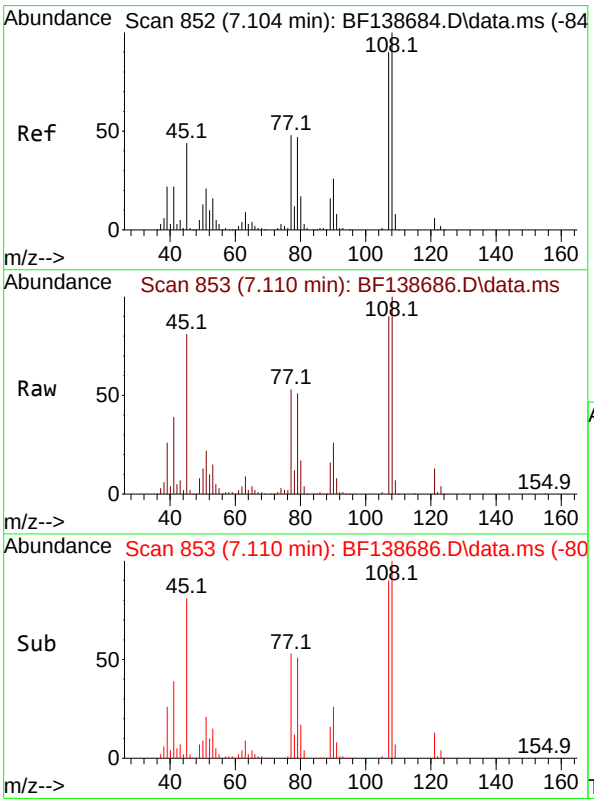
#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.327 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

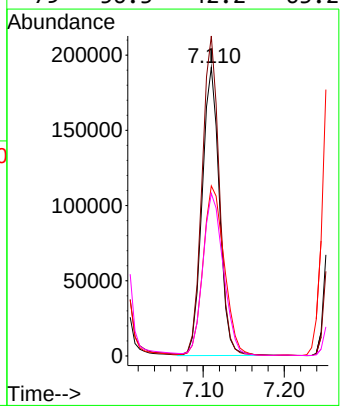


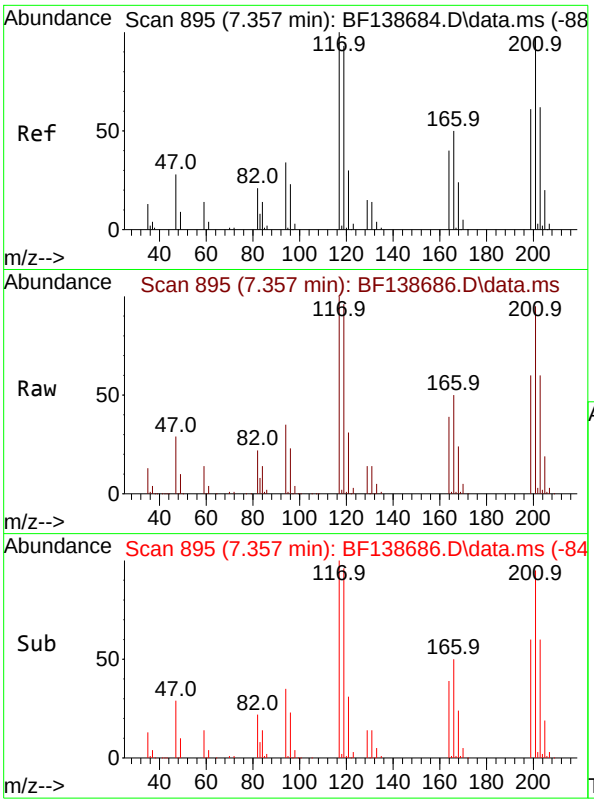


#17
2-Methylphenol
Concen: 60.223 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



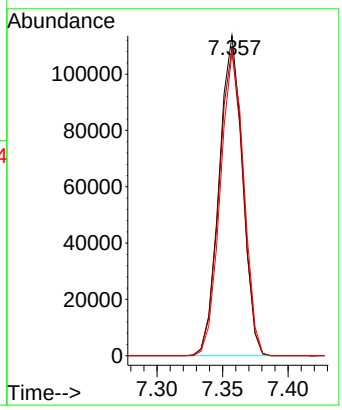


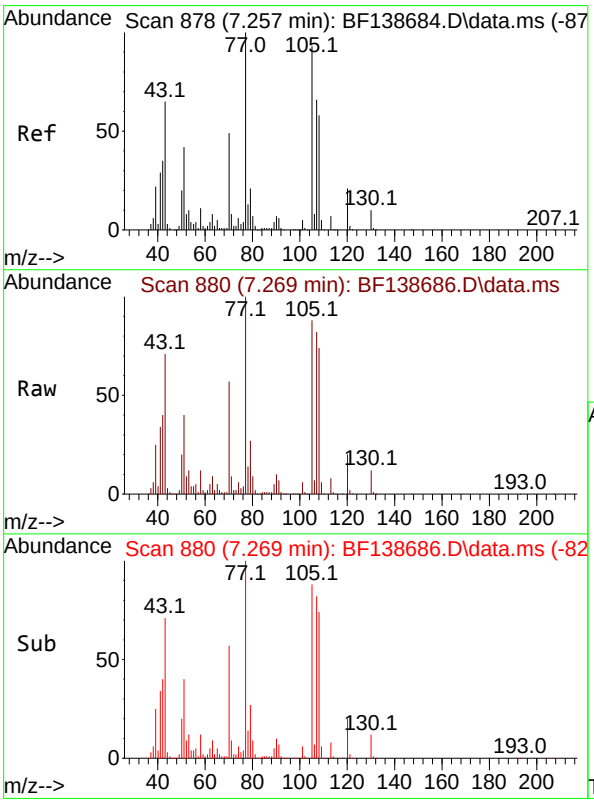
#18
Hexachloroethane
Concen: 58.427 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

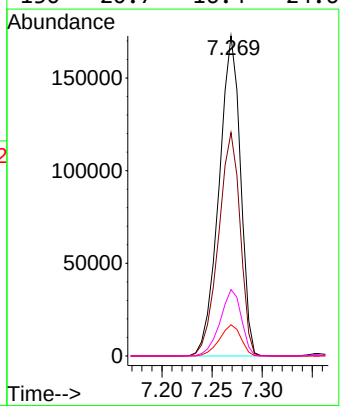


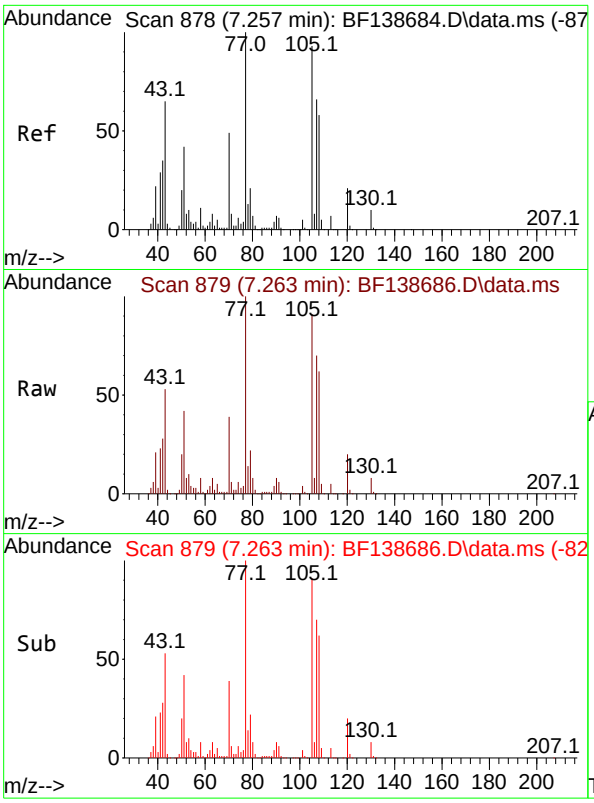


#19
n-Nitroso-di-n-propylamine
Concen: 58.537 ng
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



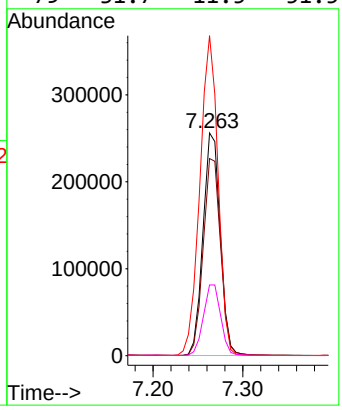


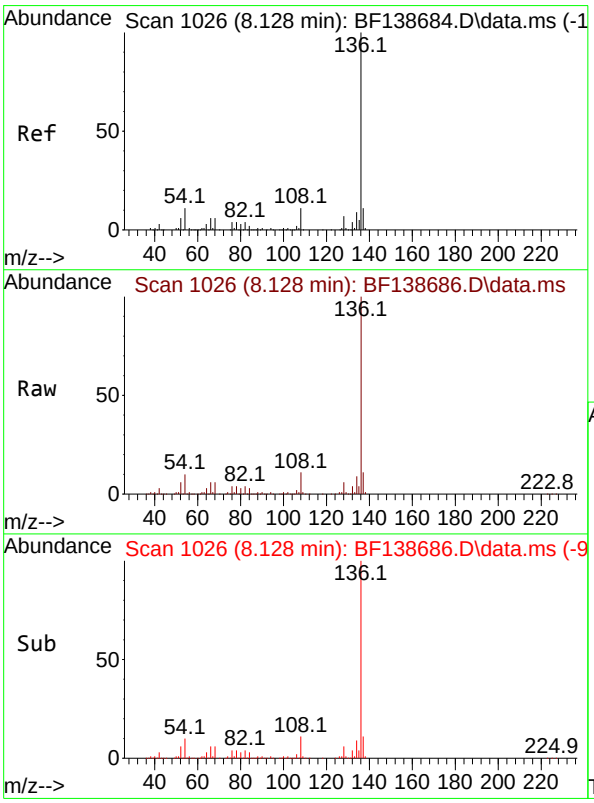
#20
3+4-Methylphenols
Concen: 56.705 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

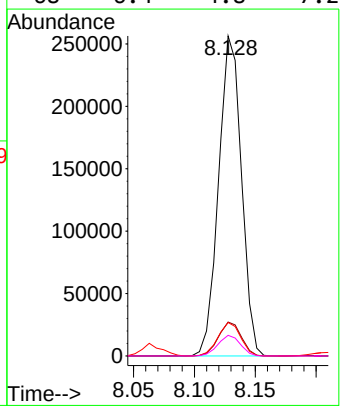


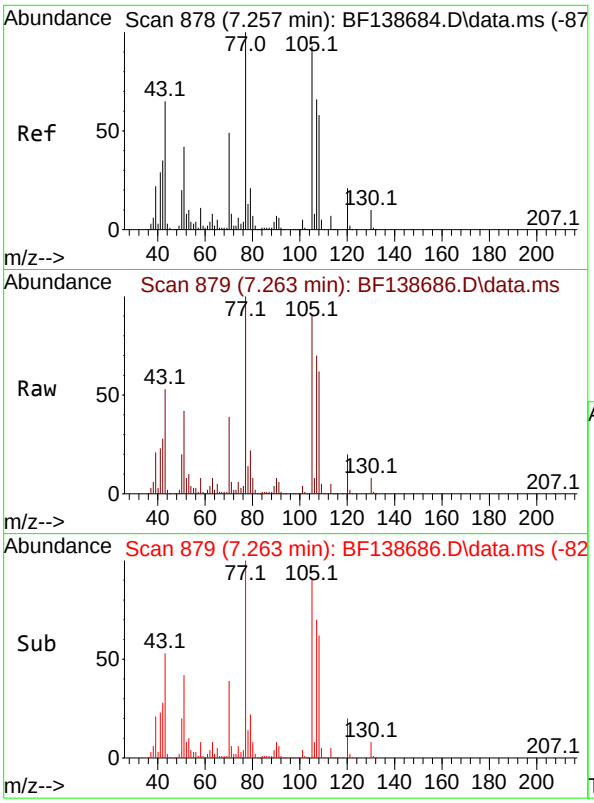


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



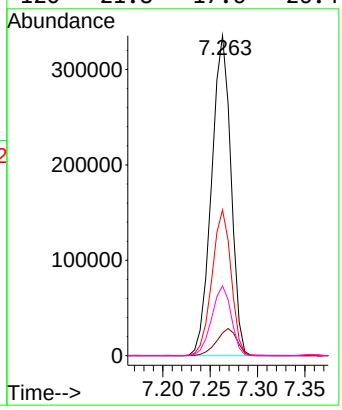


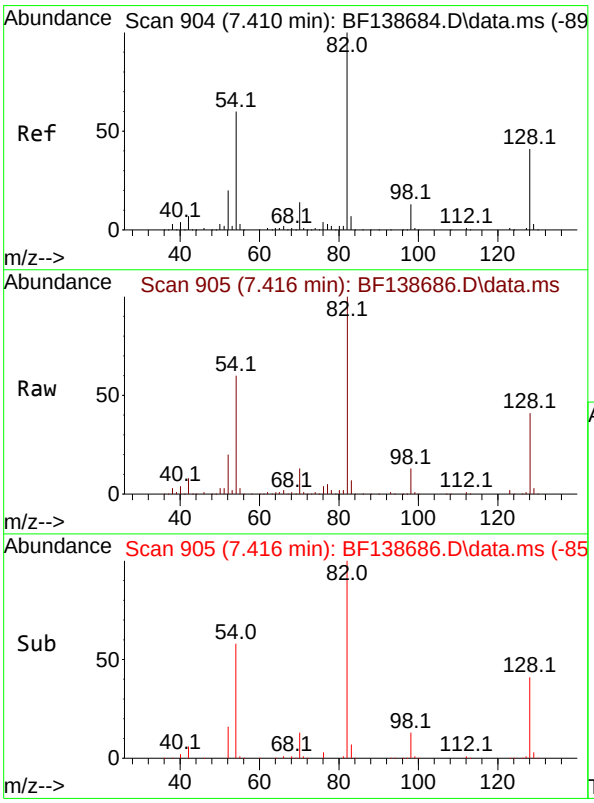
#22
Acetophenone
Concen: 58.203 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

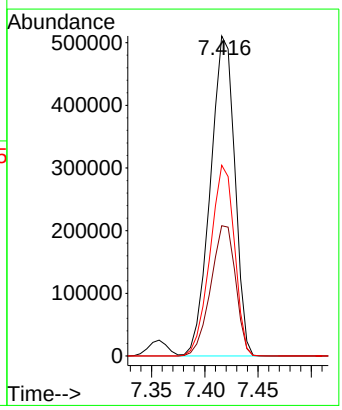


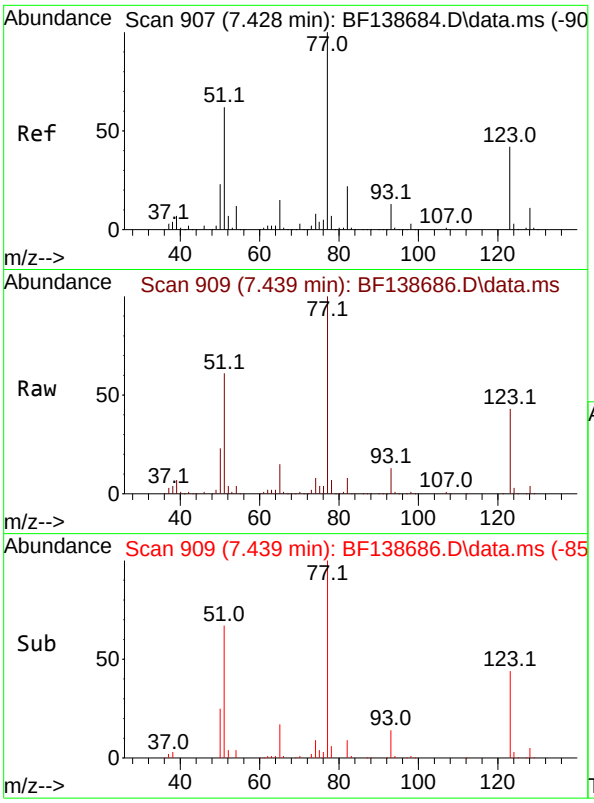


#23
Nitrobenzene-d5
Concen: 118.860 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



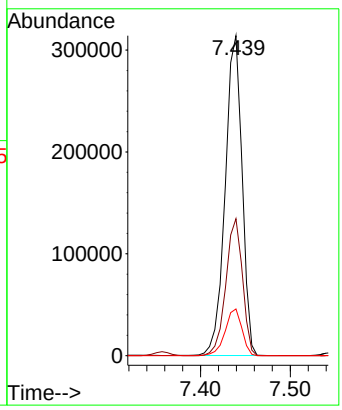


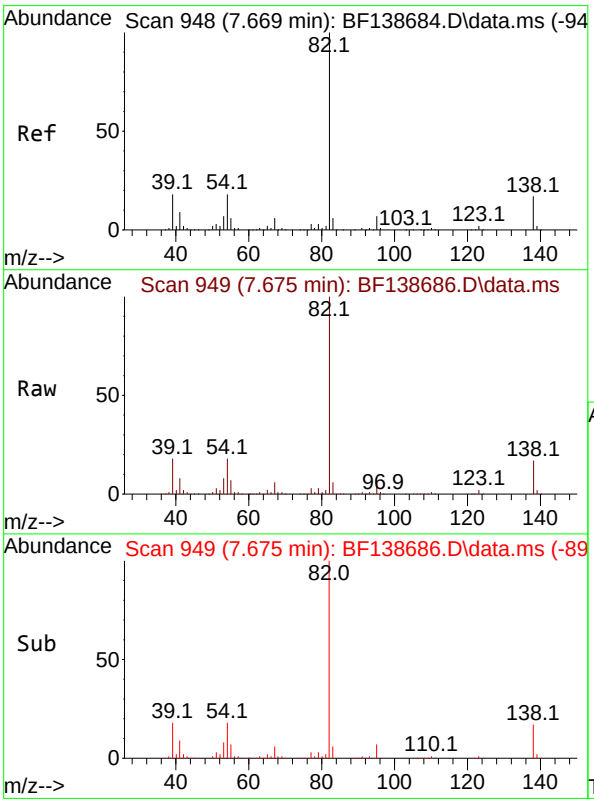
#24
Nitrobenzene
Concen: 58.938 ng
RT: 7.439 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

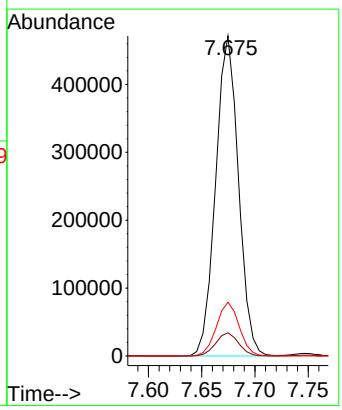


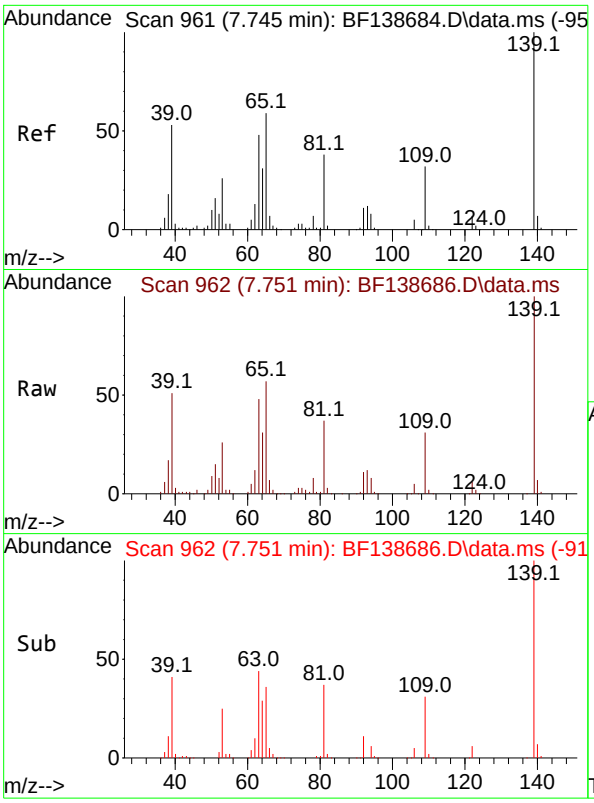


#25
Isophorone
Concen: 59.885 ng
RT: 7.675 min Scan# 949
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



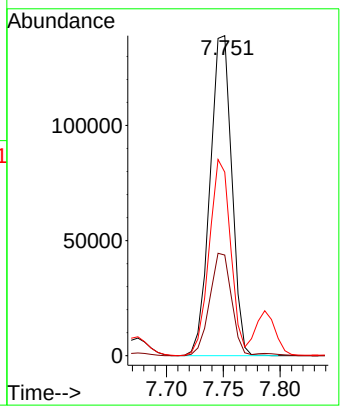


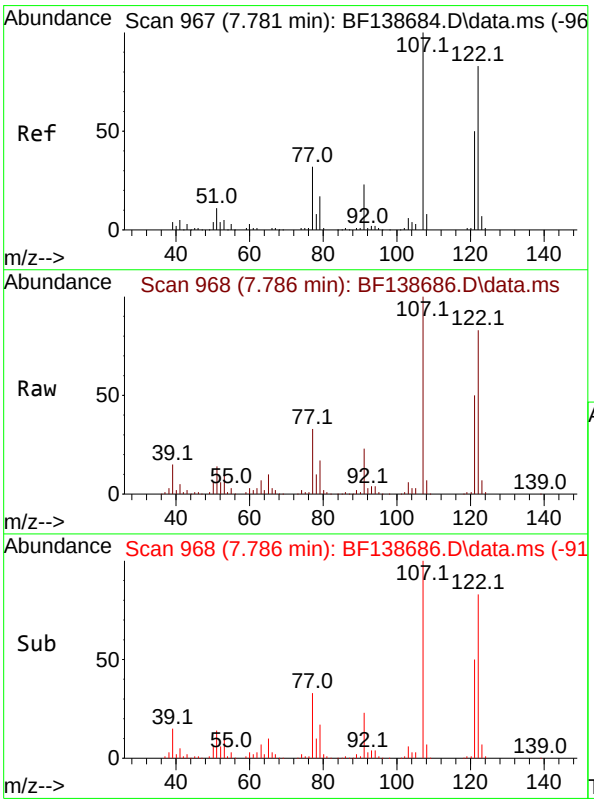
#26
2-Nitrophenol
Concen: 61.782 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

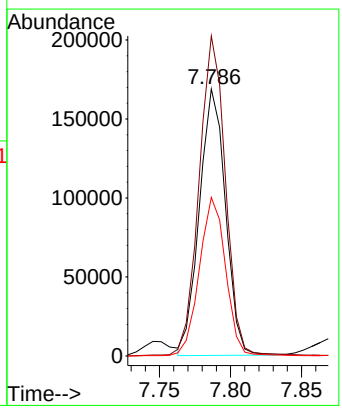


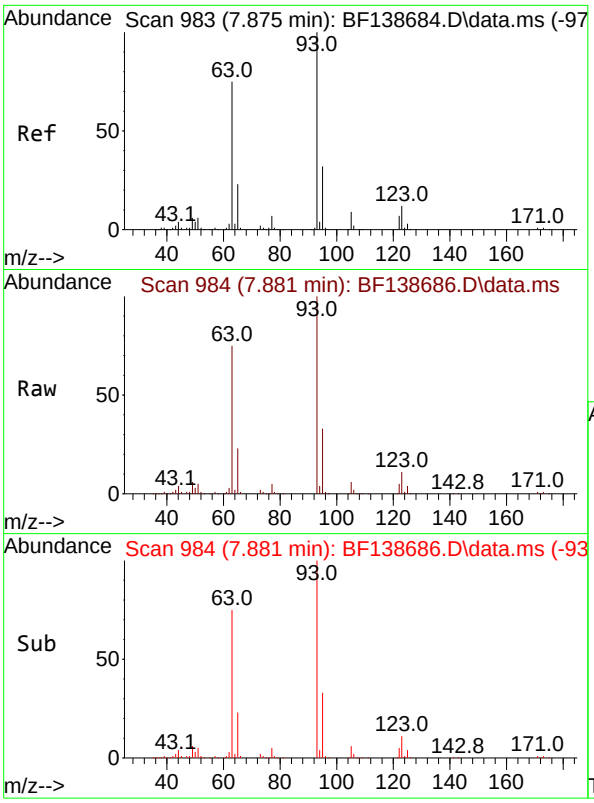


#27
2,4-Dimethylphenol
Concen: 60.254 ng
RT: 7.786 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



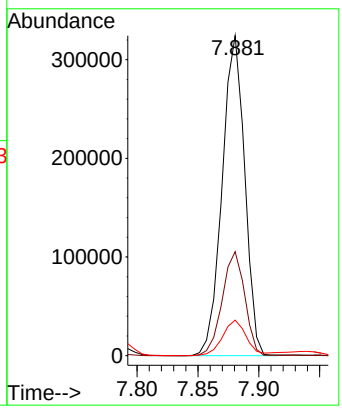


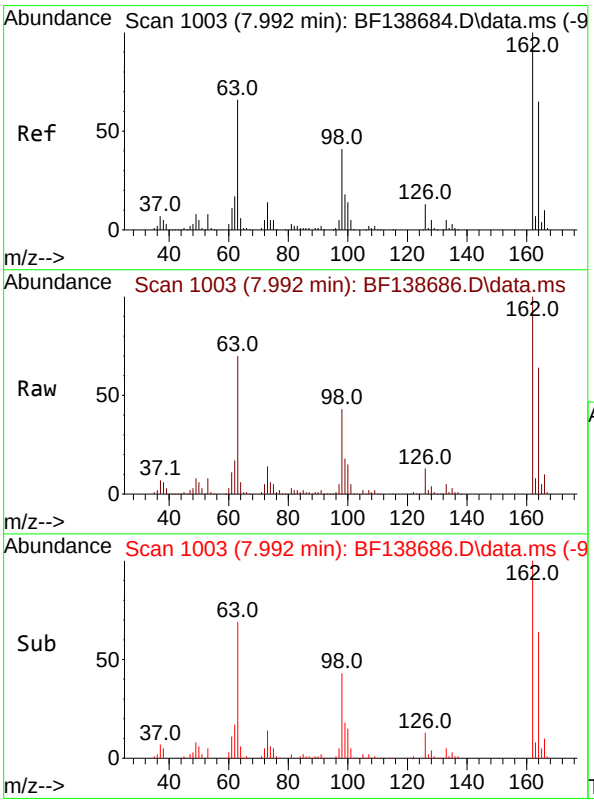
#28
bis(2-Chloroethoxy)methane
Concen: 58.667 ng
RT: 7.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

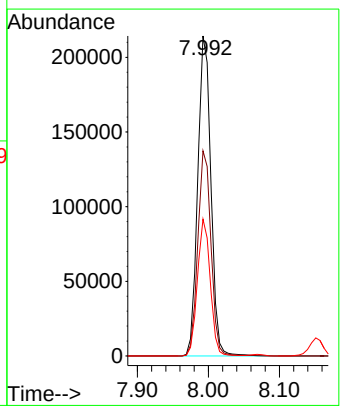


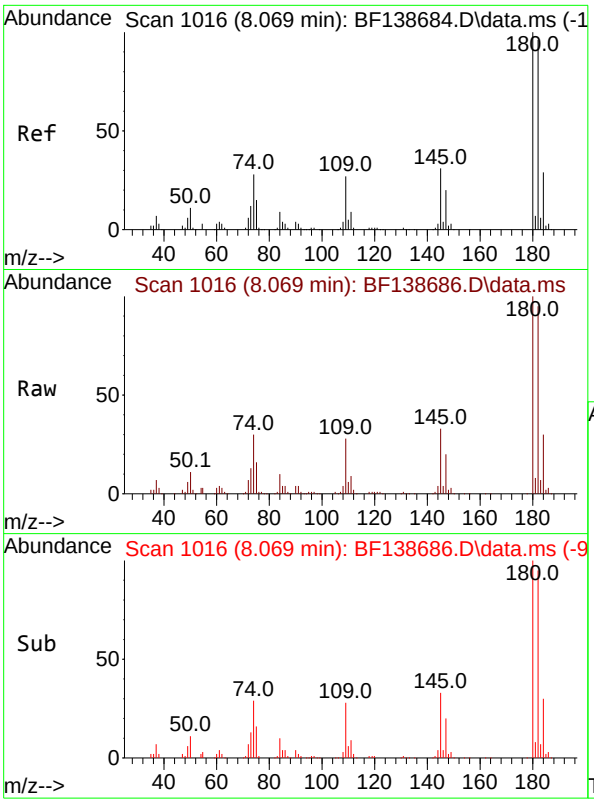


#29
2,4-Dichlorophenol
Concen: 60.060 ng
RT: 7.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



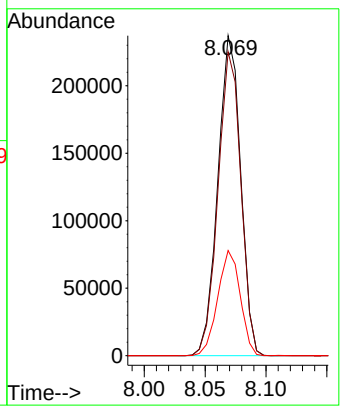


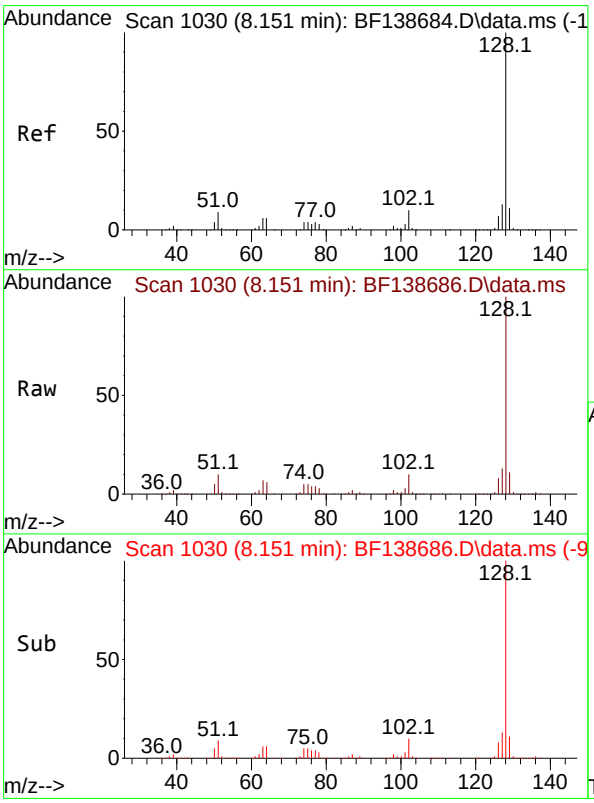
#30
1,2,4-Trichlorobenzene
Concen: 58.085 ng
RT: 8.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

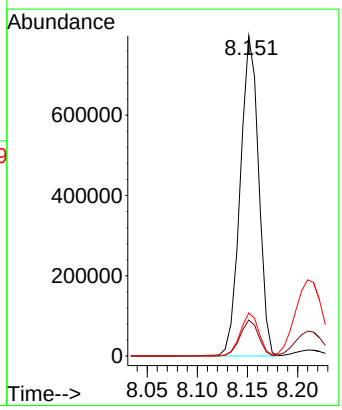


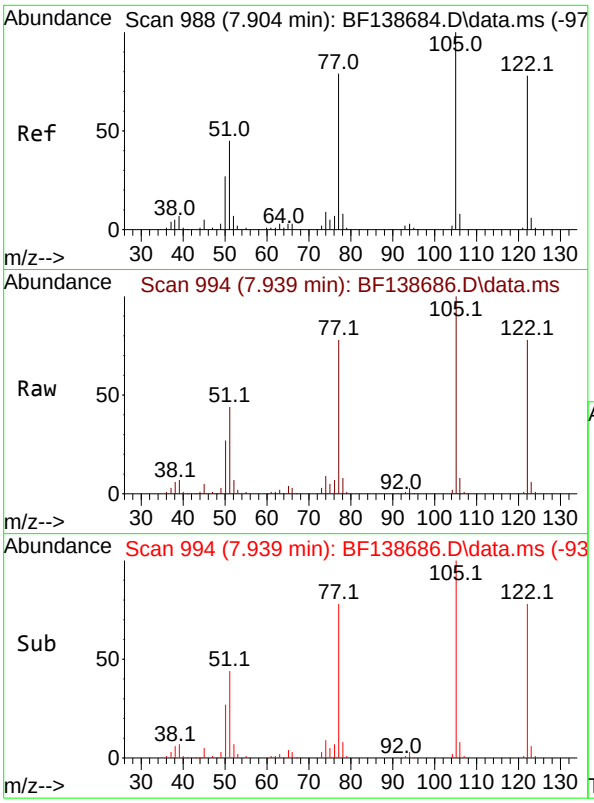


#31
Naphthalene
Concen: 57.817 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



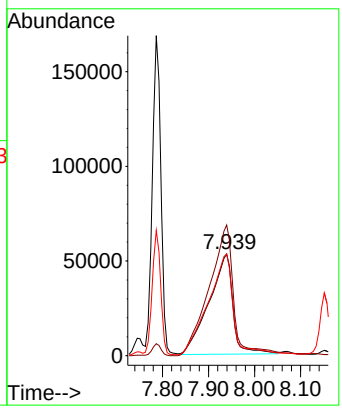


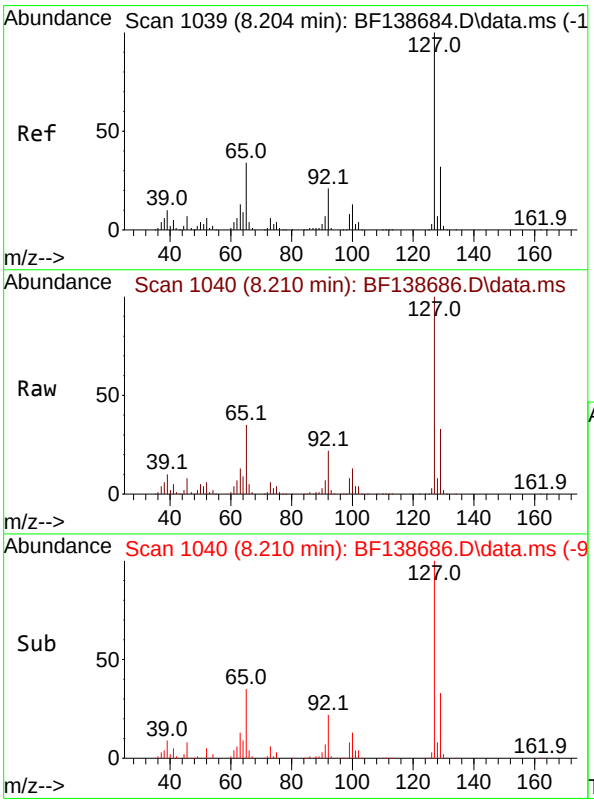
#32
Benzoic acid
Concen: 67.875 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

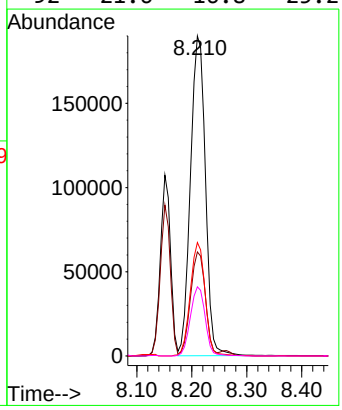


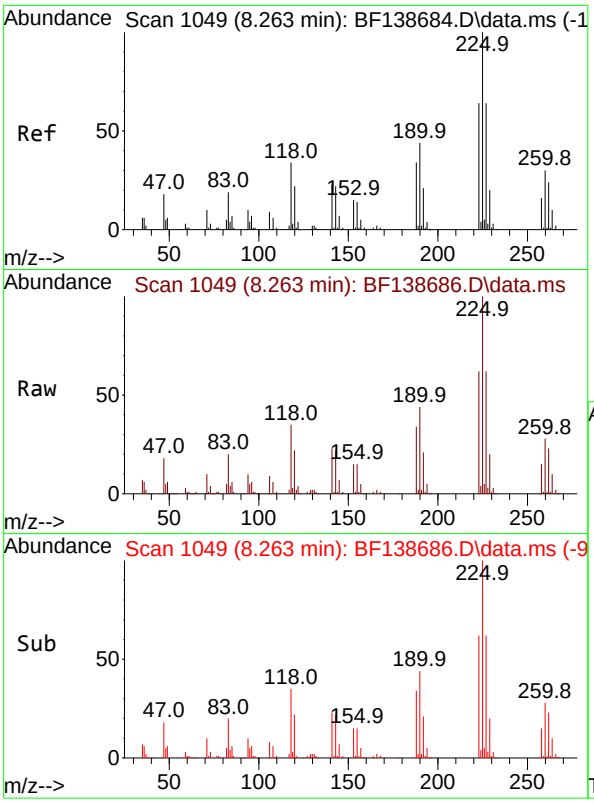


#33
4-Chloroaniline
Concen: 60.700 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



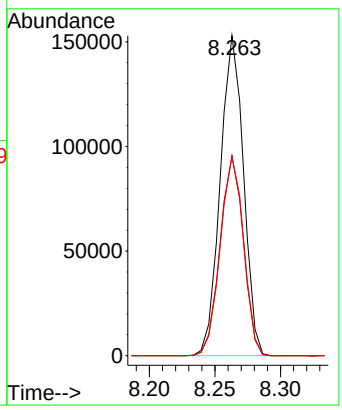


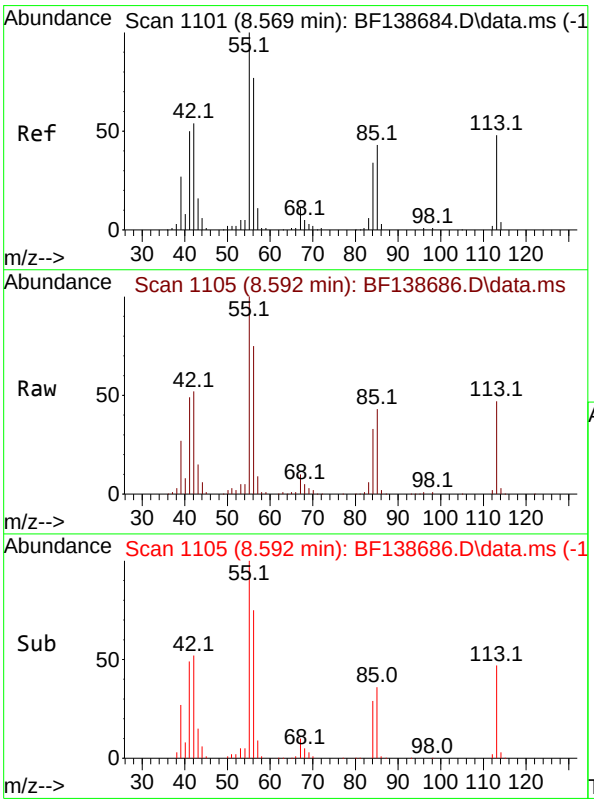
#34
Hexachlorobutadiene
Concen: 58.445 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

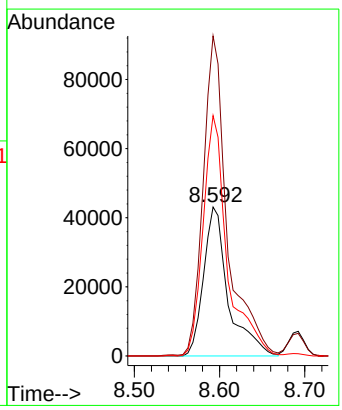


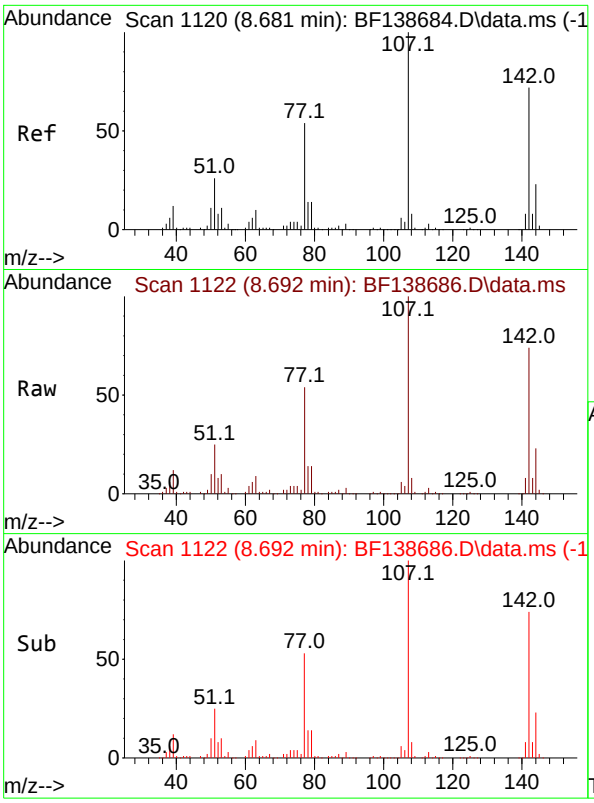


#35
Caprolactam
Concen: 63.184 ng
RT: 8.592 min Scan# 1105
Delta R.T. 0.023 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



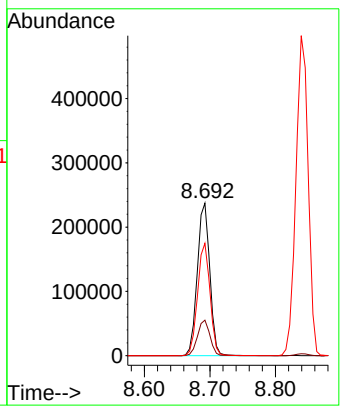


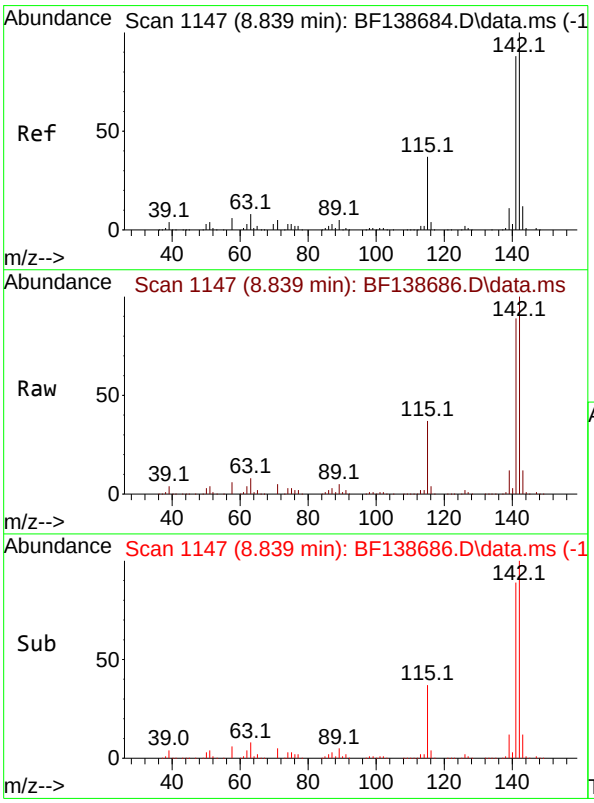
#36
4-Chloro-3-methylphenol
Concen: 59.904 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

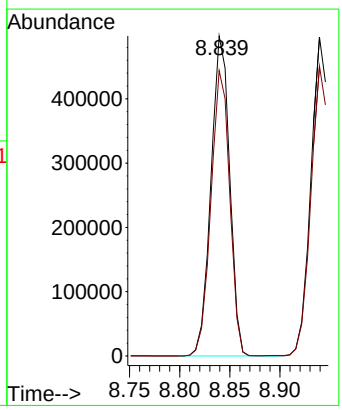


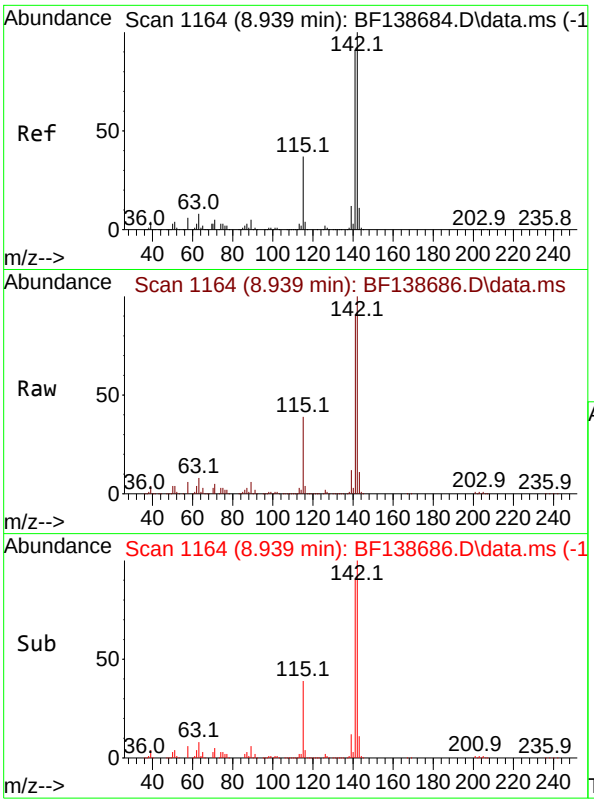


#37
2-Methylnaphthalene
Concen: 57.790 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Tgt Ion:142 Resp: 643115

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2



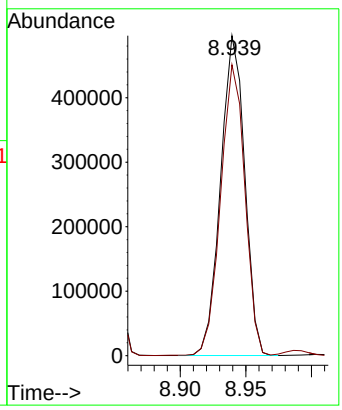


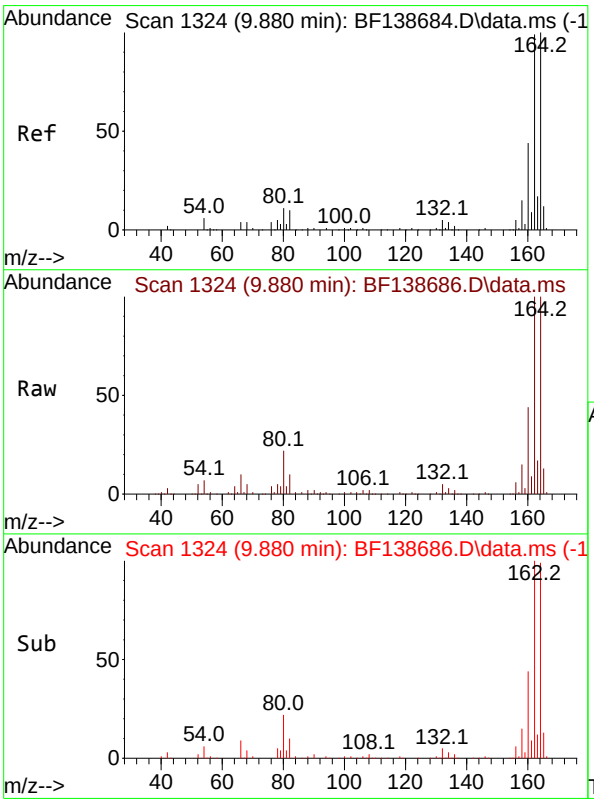
#38
1-Methylnaphthalene
Concen: 58.134 ng
RT: 8.939 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 633938

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.1	109.7

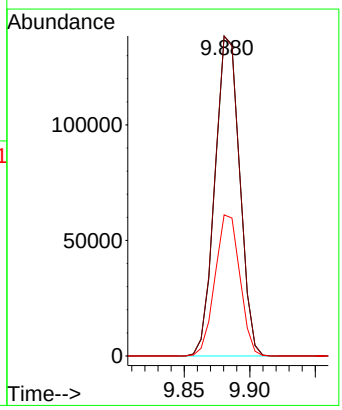


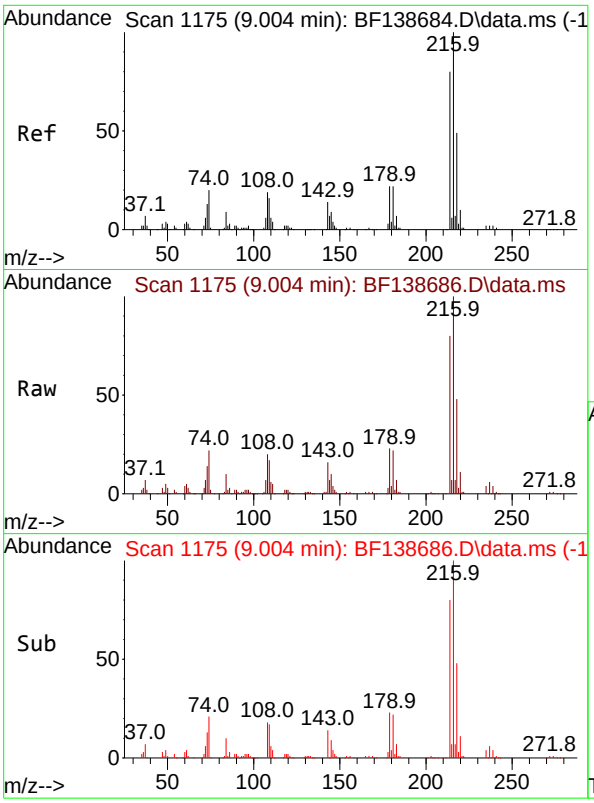


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



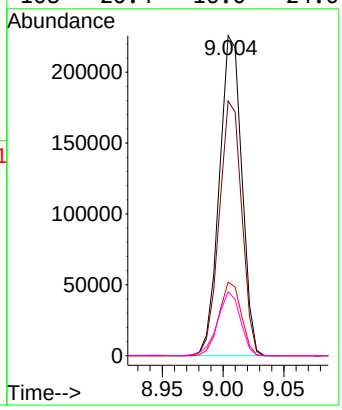


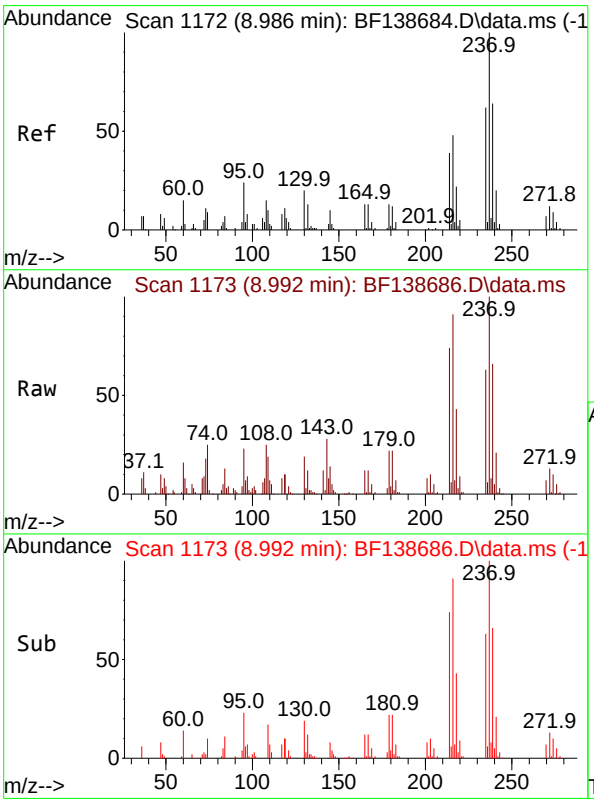
#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.629 ng
RT: 9.004 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

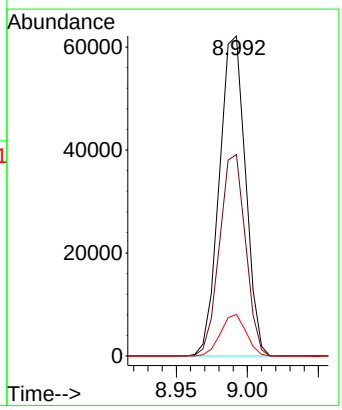


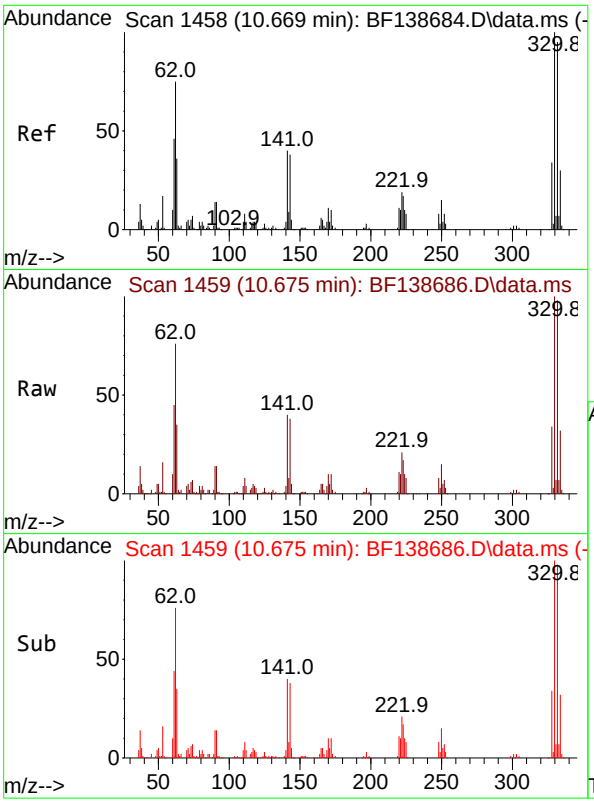


#41
Hexachlorocyclopentadiene
Concen: 61.472 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



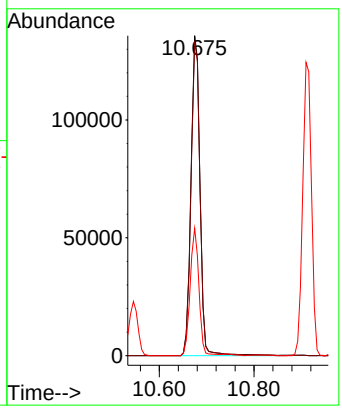


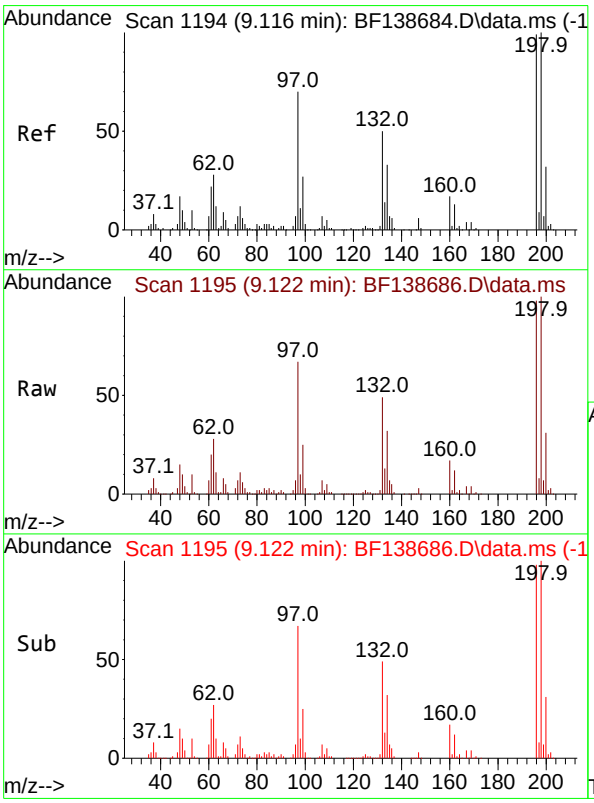
#42
2,4,6-Tribromophenol
Concen: 121.541 ng
RT: 10.675 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

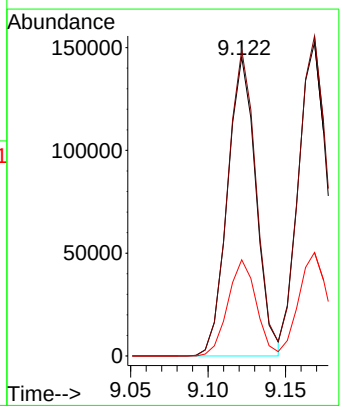


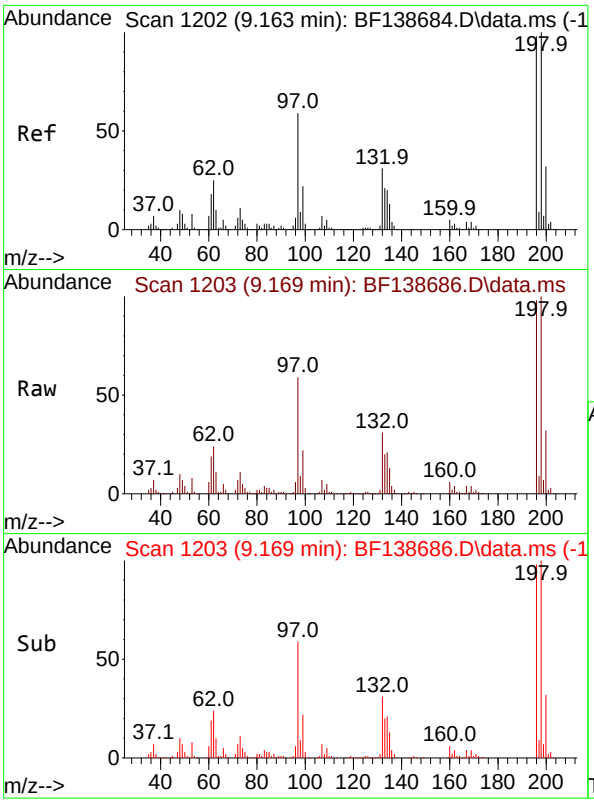


#43
2,4,6-Trichlorophenol
Concen: 60.432 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



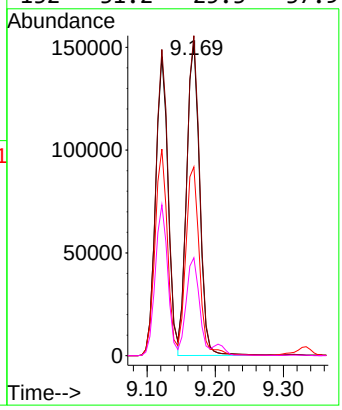


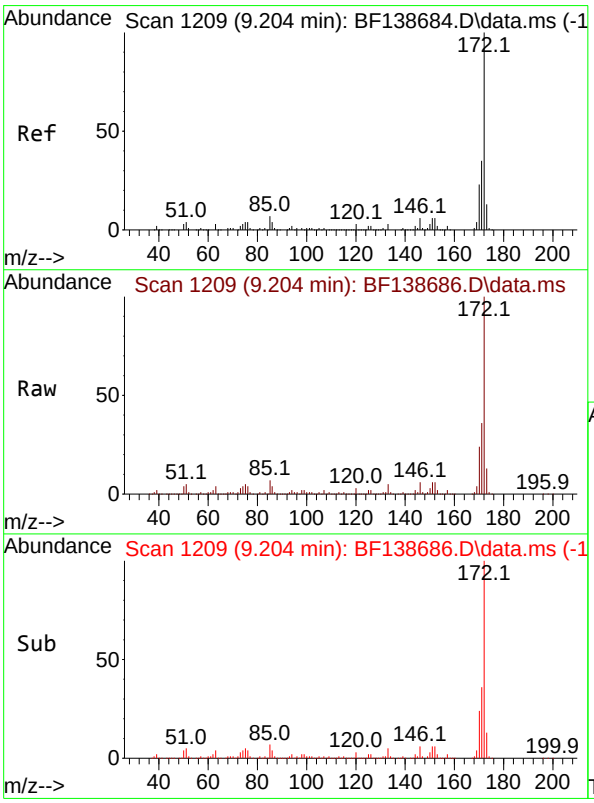
#44
2,4,5-Trichlorophenol
Concen: 59.615 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

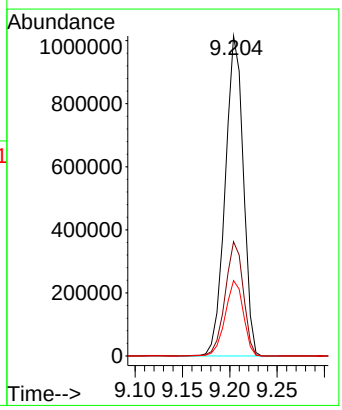


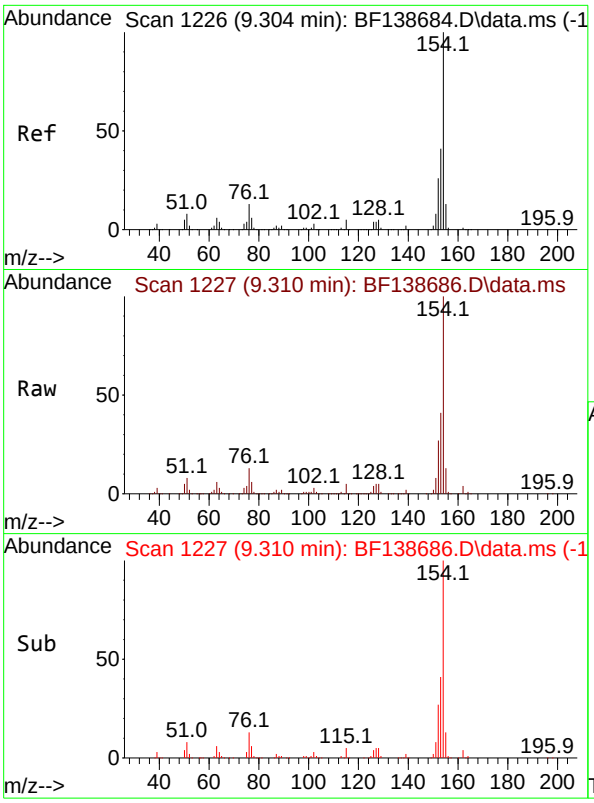


#45
2-Fluorobiphenyl
Concen: 111.967 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



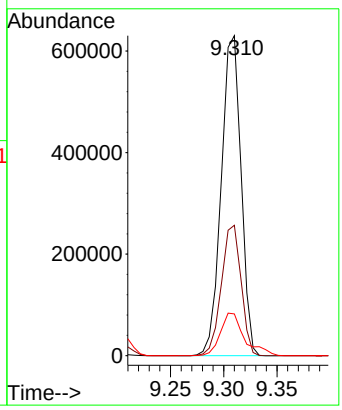


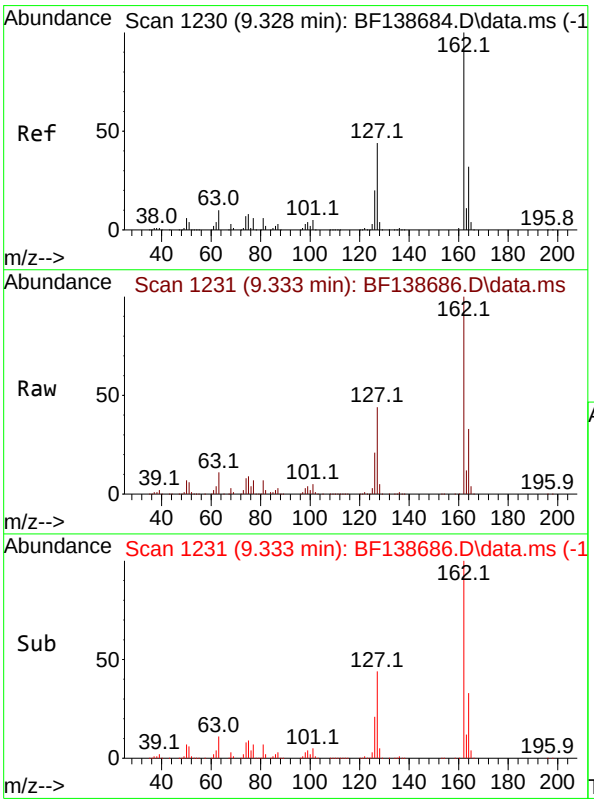
#46
1,1'-Biphenyl
Concen: 57.355 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

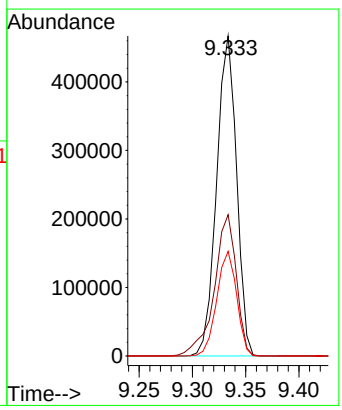


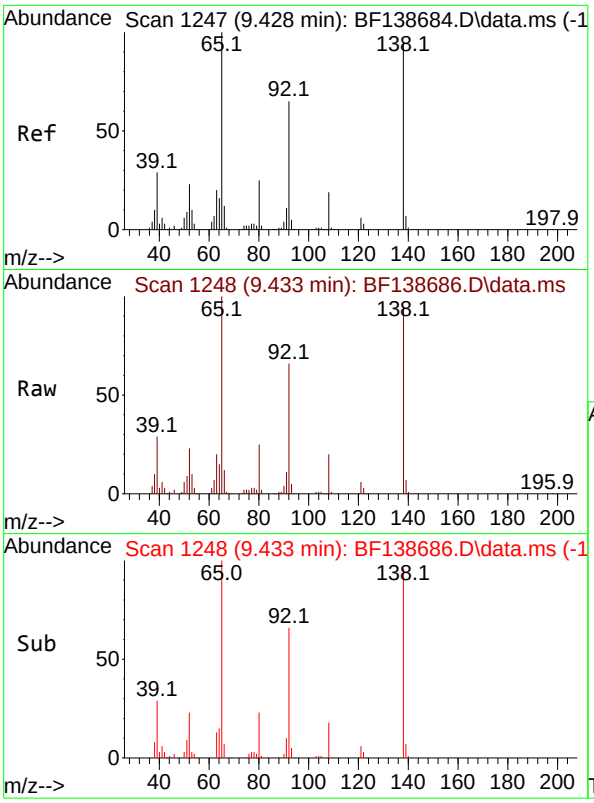


#47
2-Chloronaphthalene
Concen: 57.372 ng
RT: 9.333 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



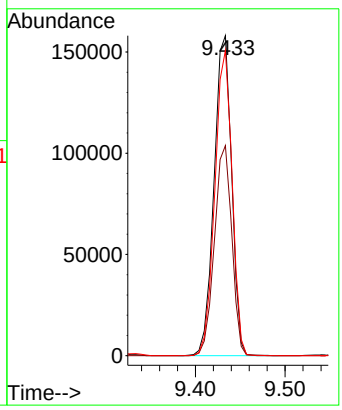


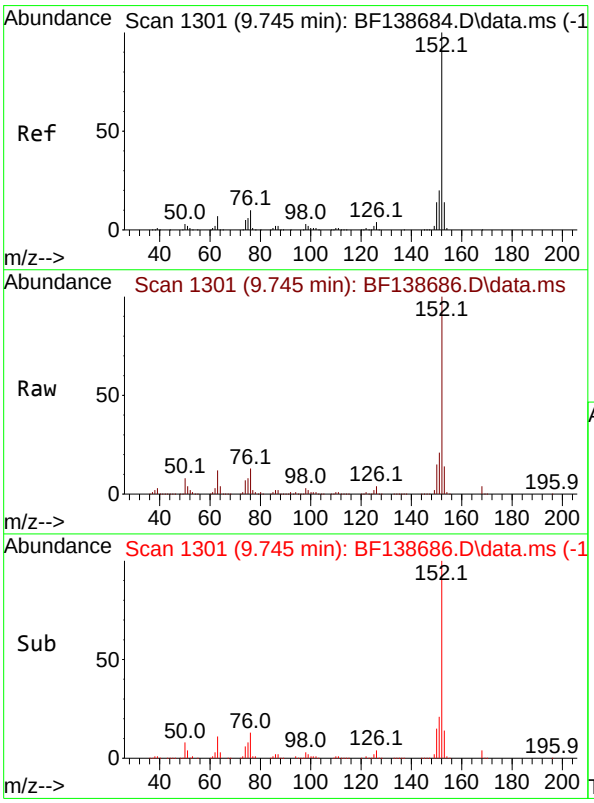
#48
2-Nitroaniline
Concen: 59.957 ng
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

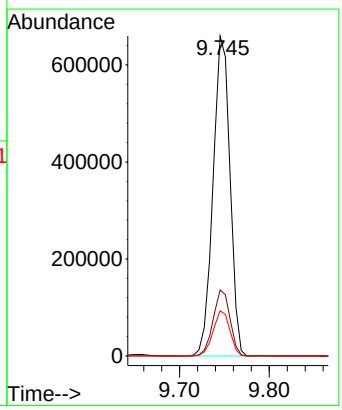


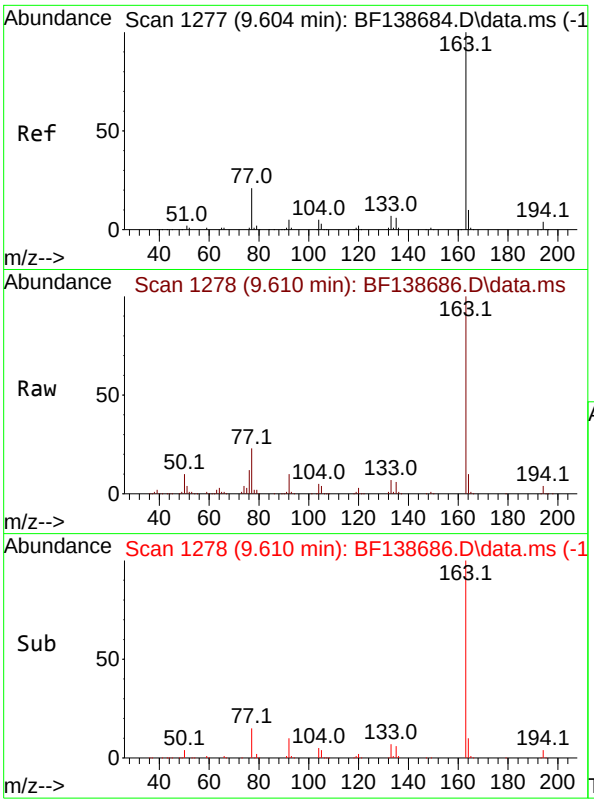


#49
Acenaphthylene
Concen: 57.648 ng
RT: 9.745 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



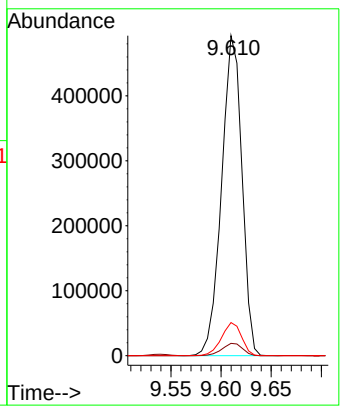


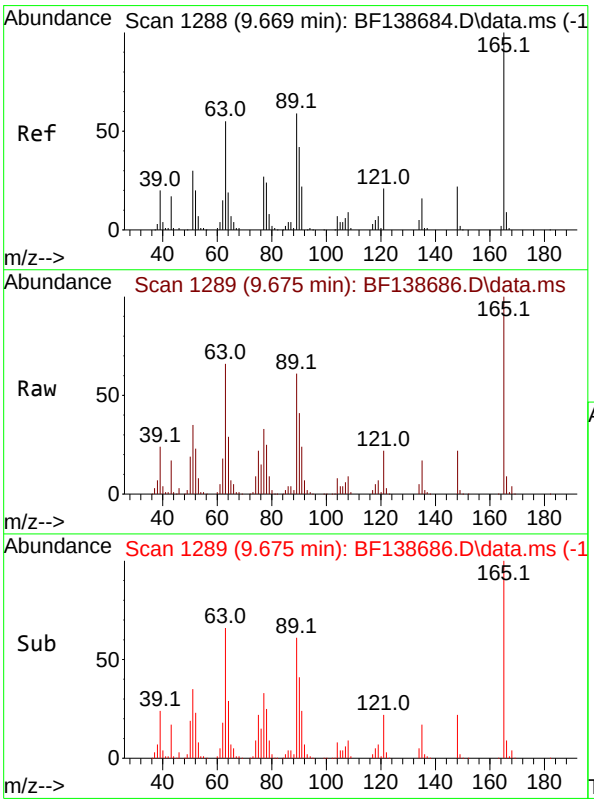
#50
Dimethylphthalate
Concen: 59.957 ng
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

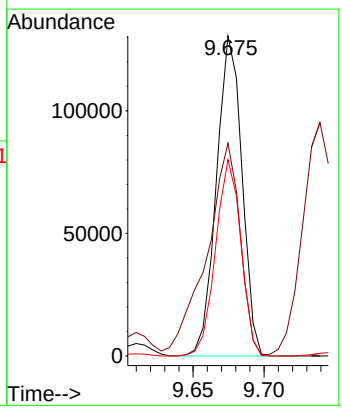


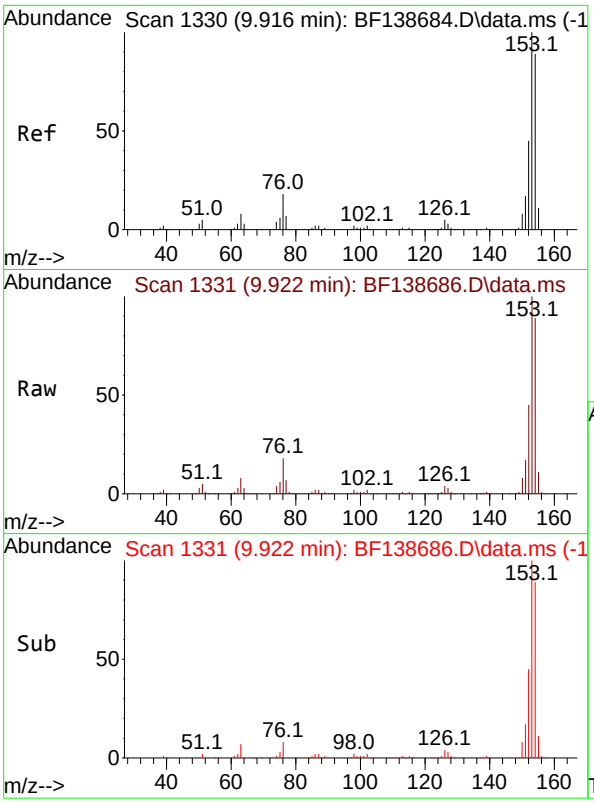


#51
2,6-Dinitrotoluene
Concen: 62.290 ng
RT: 9.675 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



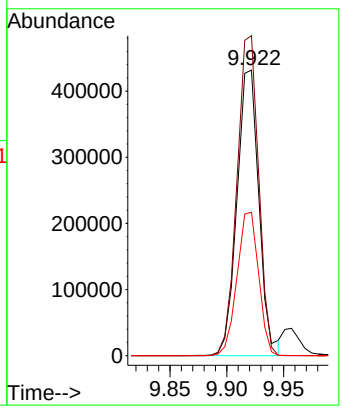


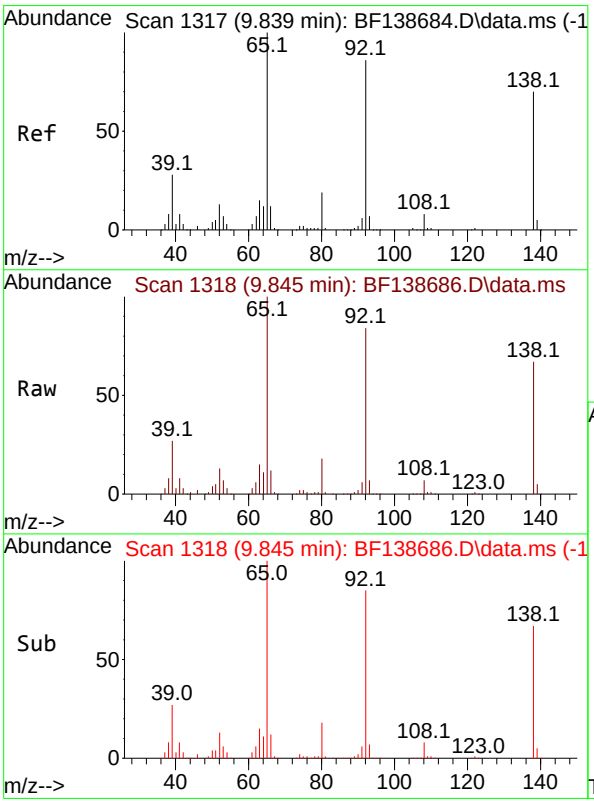
#52
Acenaphthene
Concen: 57.743 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

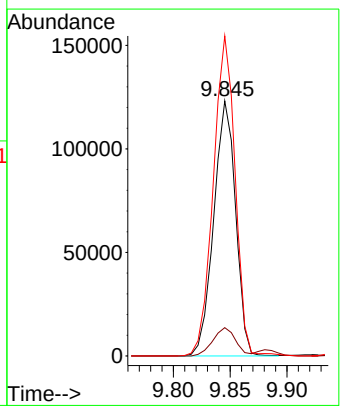


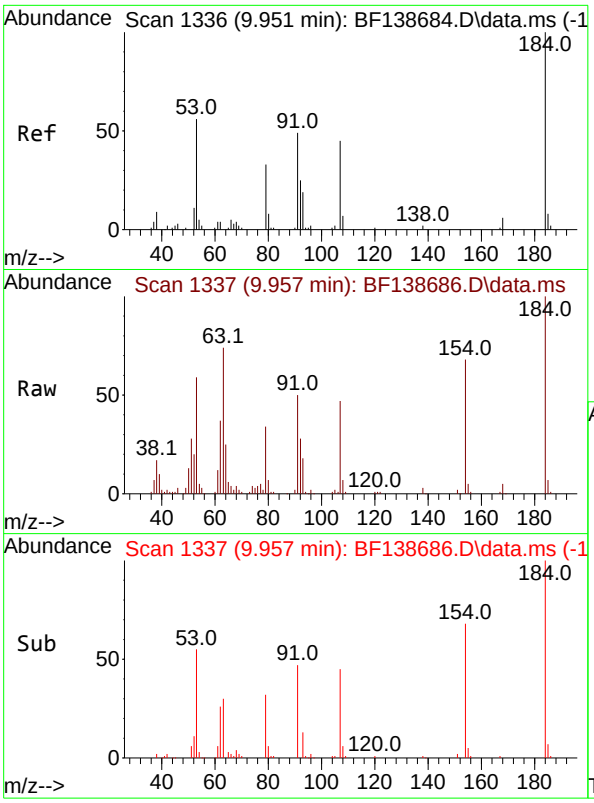


#53
3-Nitroaniline
Concen: 61.007 ng
RT: 9.845 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



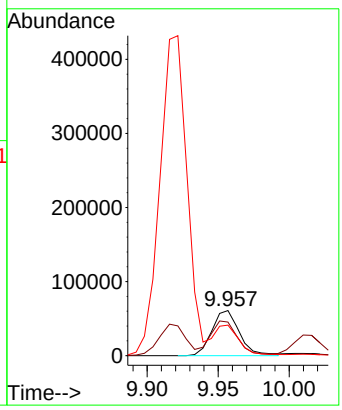


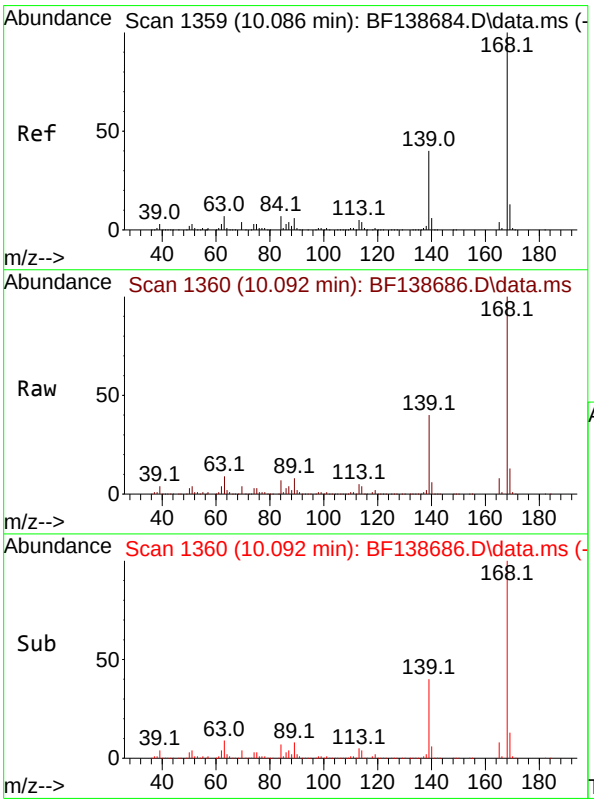
#54
2,4-Dinitrophenol
Concen: 68.448 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

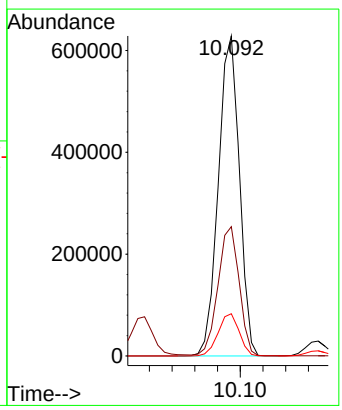


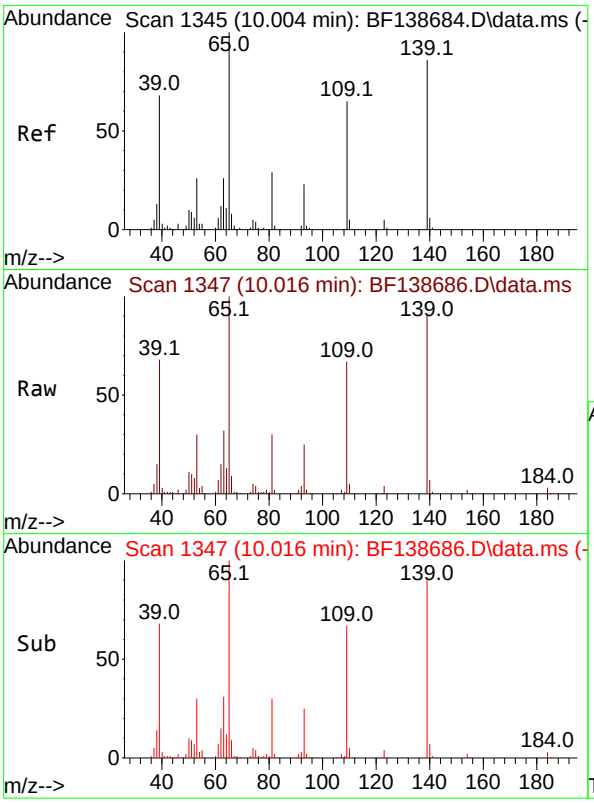


#55
Dibenzofuran
Concen: 56.948 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



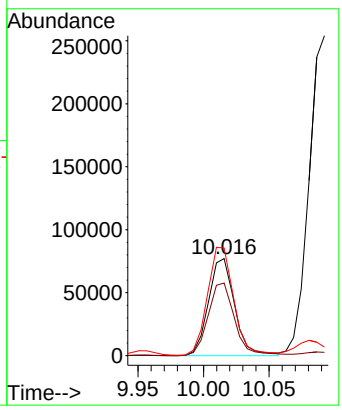


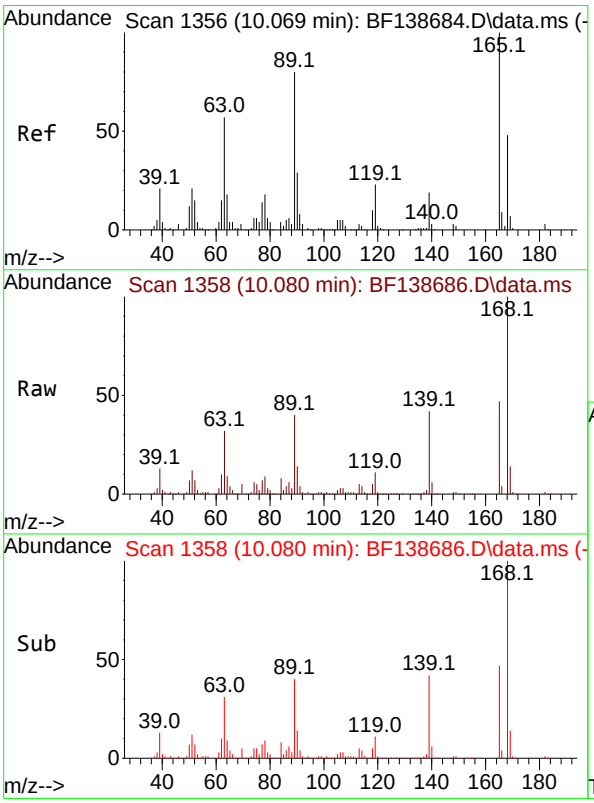
#56
4-Nitrophenol
Concen: 65.807 ng
RT: 10.016 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

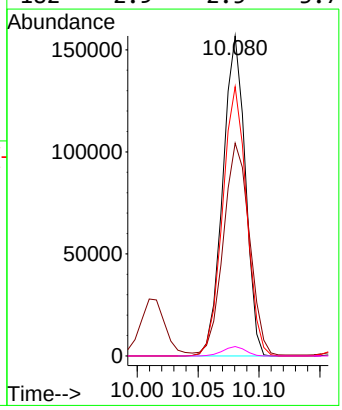


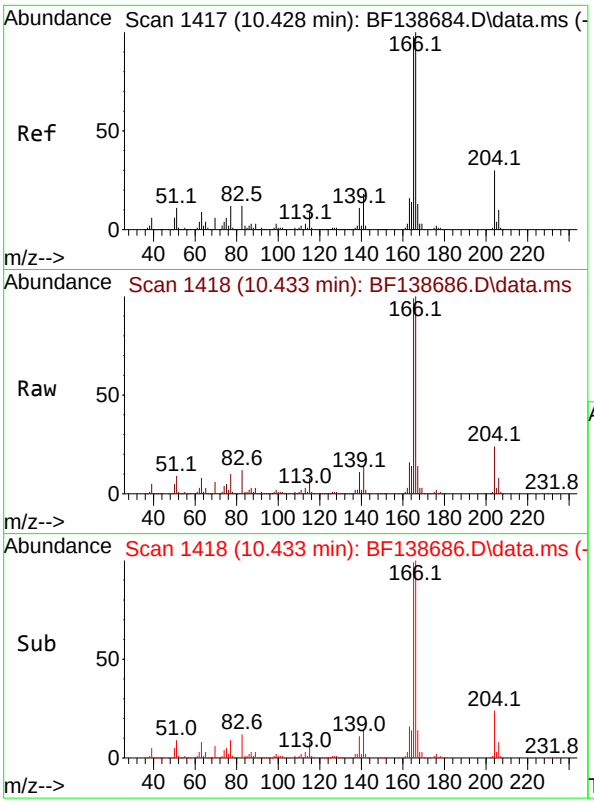


#57
2,4-Dinitrotoluene
Concen: 60.388 ng
RT: 10.080 min Scan# 1358
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



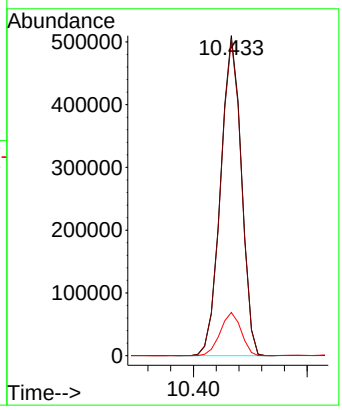


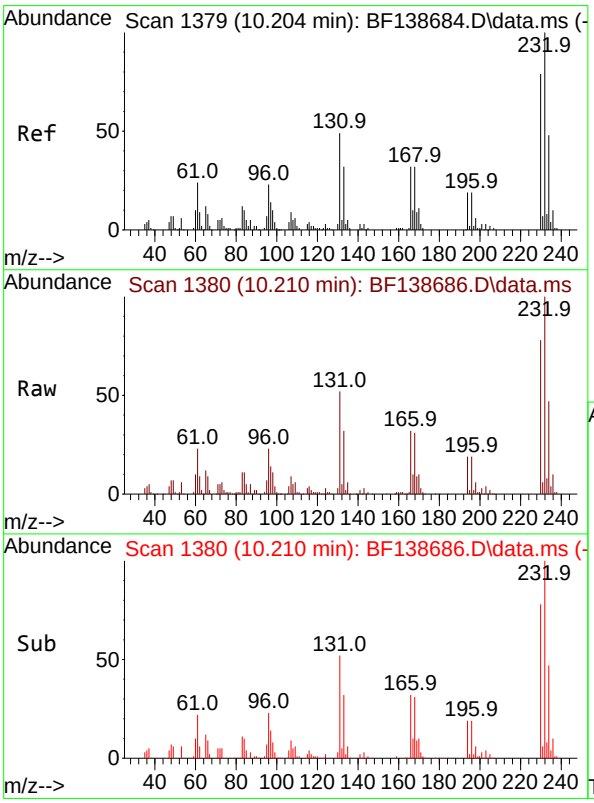
#58
Fluorene
Concen: 57.140 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

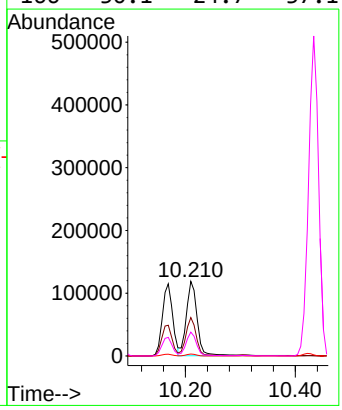


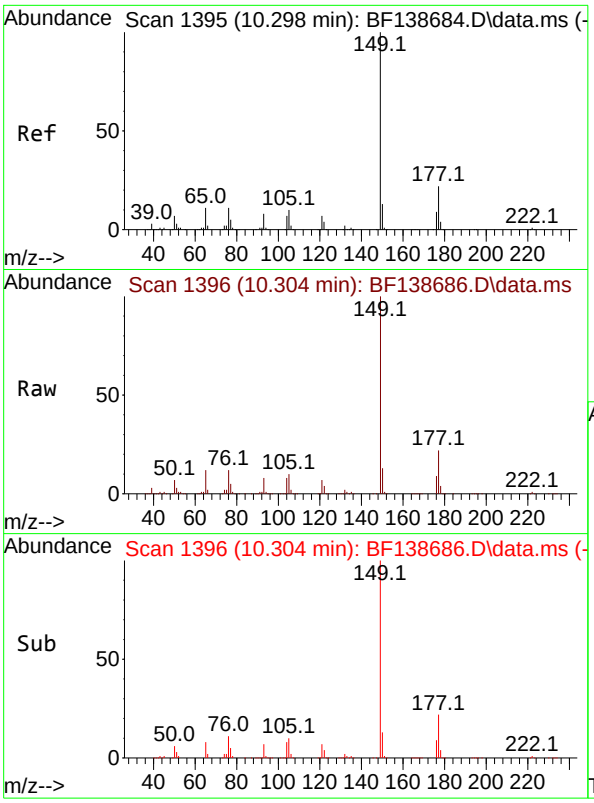


#59
2,3,4,6-Tetrachlorophenol
Concen: 63.494 ng
RT: 10.210 min Scan# 1380
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



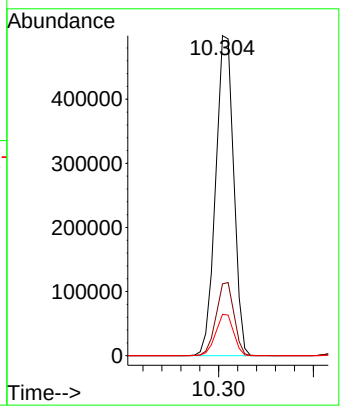


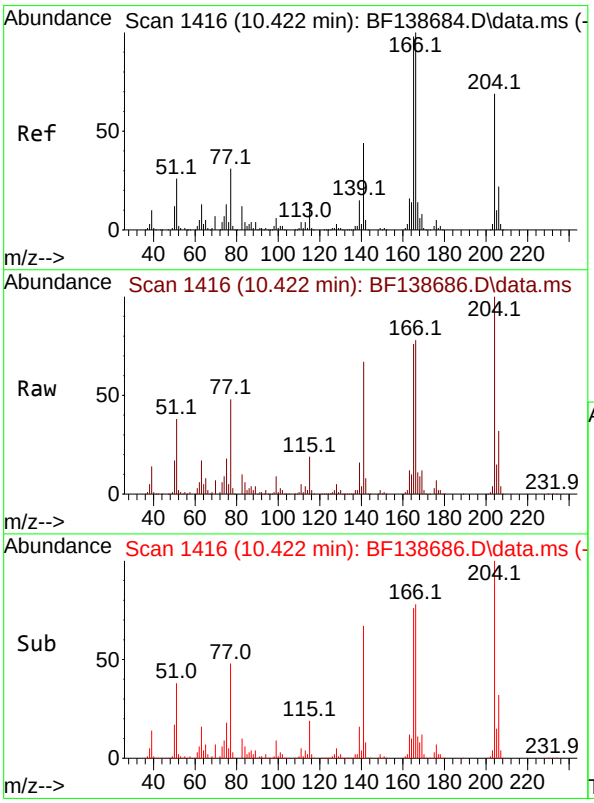
#60
Diethylphthalate
Concen: 60.161 ng
RT: 10.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

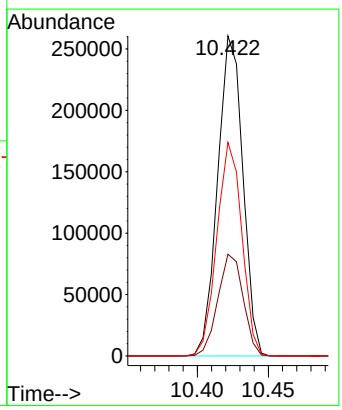


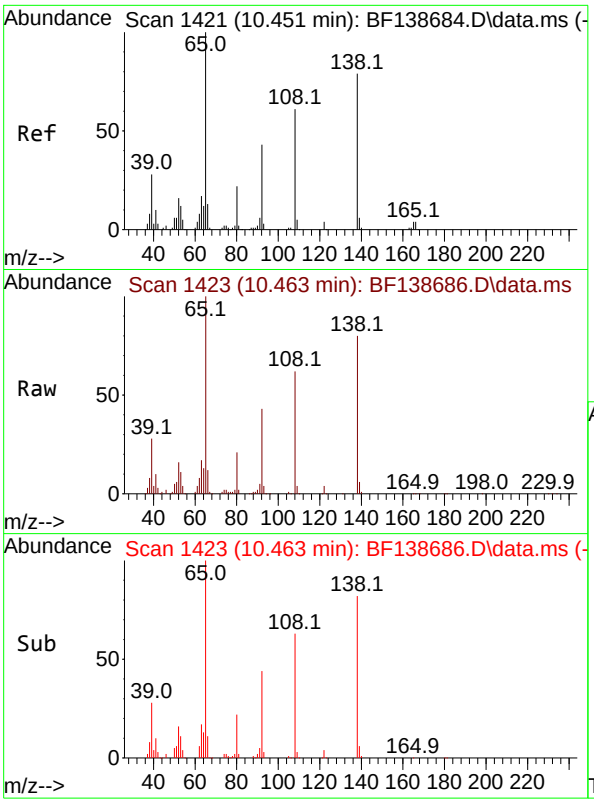


#61
4-Chlorophenyl-phenylether
Concen: 57.740 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



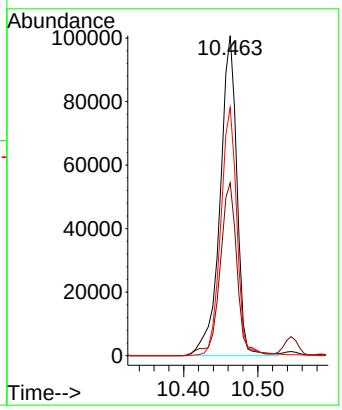


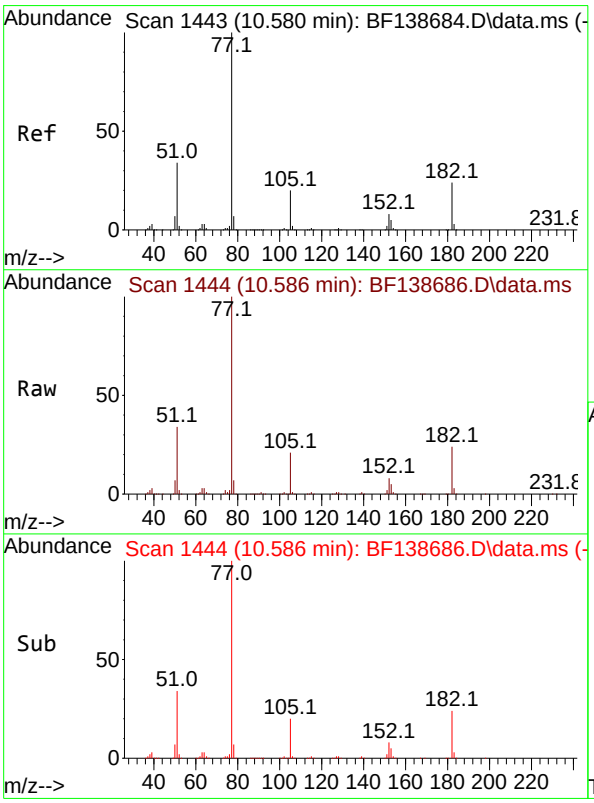
#62
4-Nitroaniline
Concen: 61.881 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

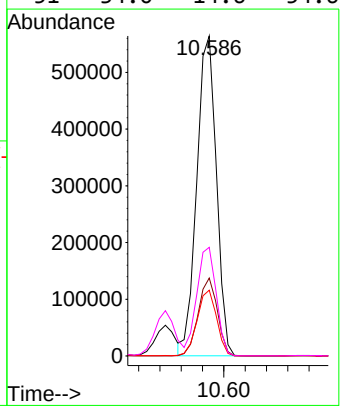


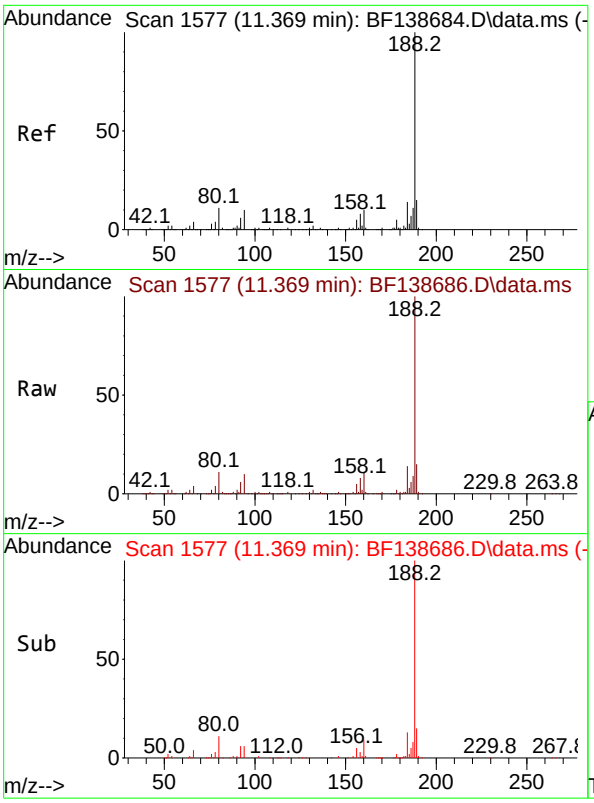


#63
Azobenzene
Concen: 59.288 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



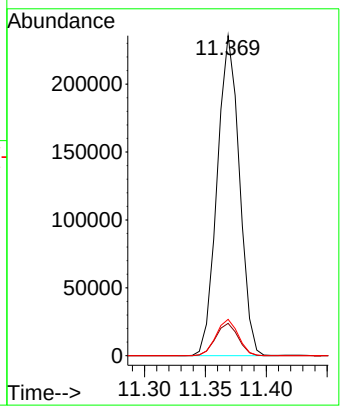


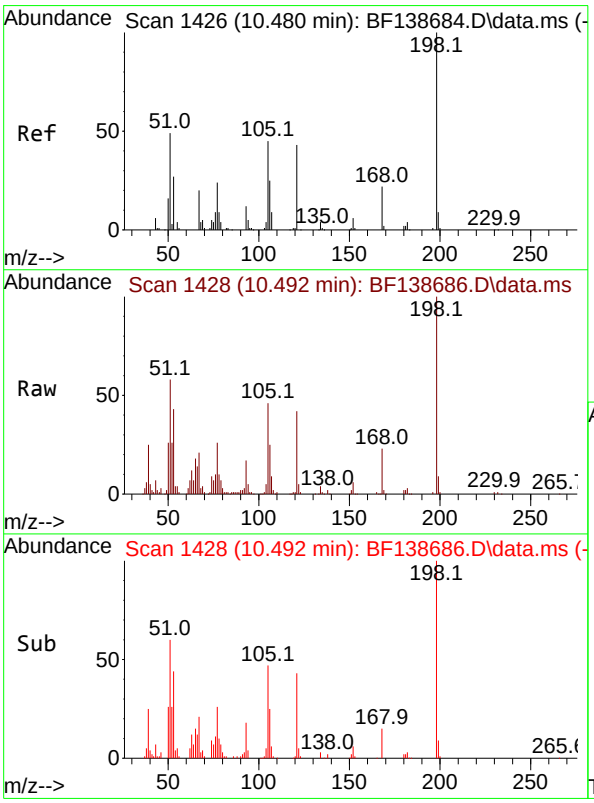
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

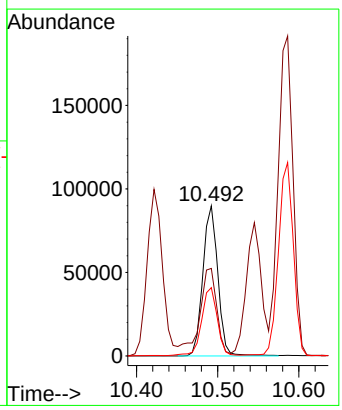


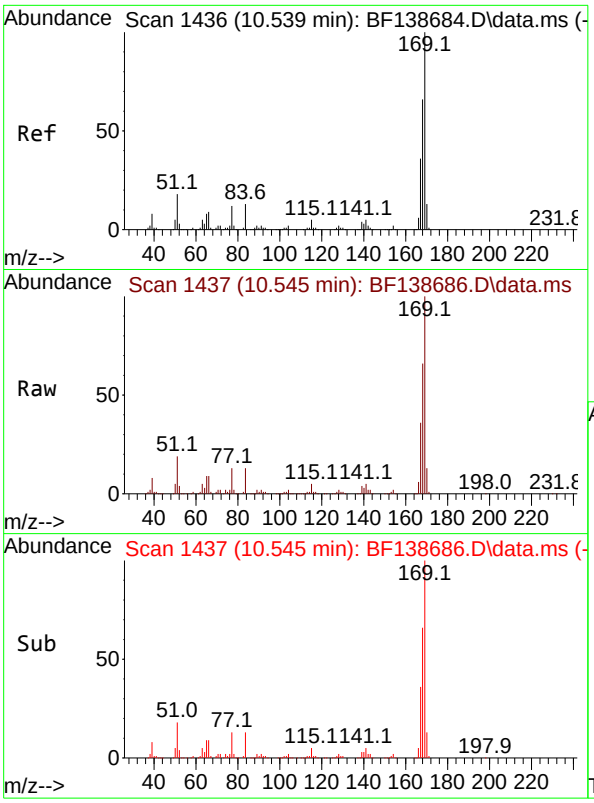


#65
4,6-Dinitro-2-methylphenol
Concen: 62.887 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



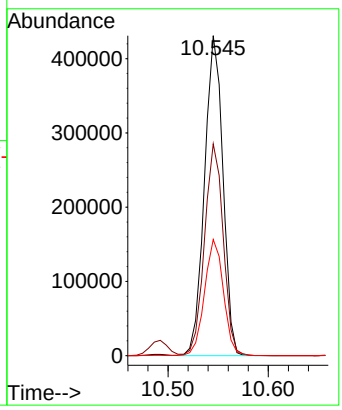


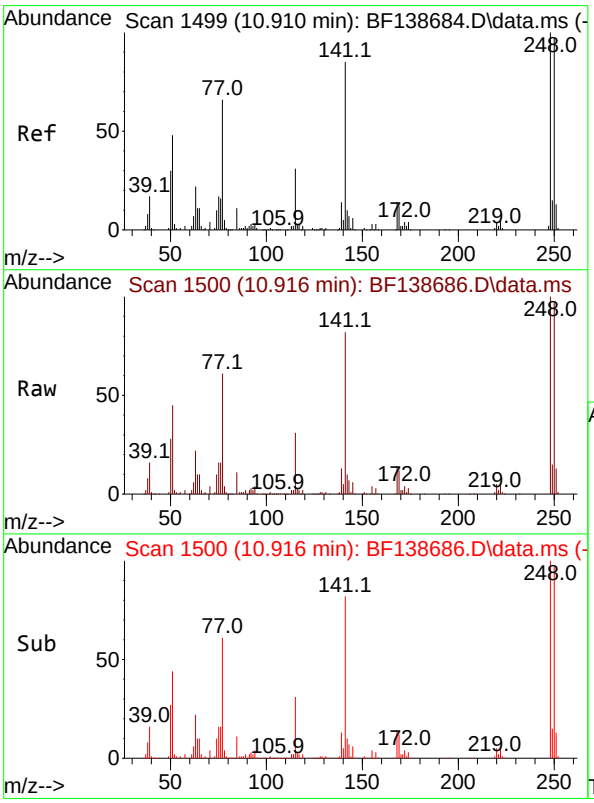
#66
n-Nitrosodiphenylamine
Concen: 58.728 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

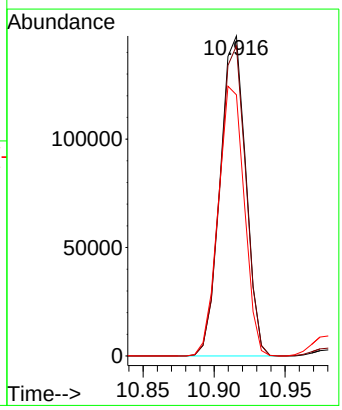


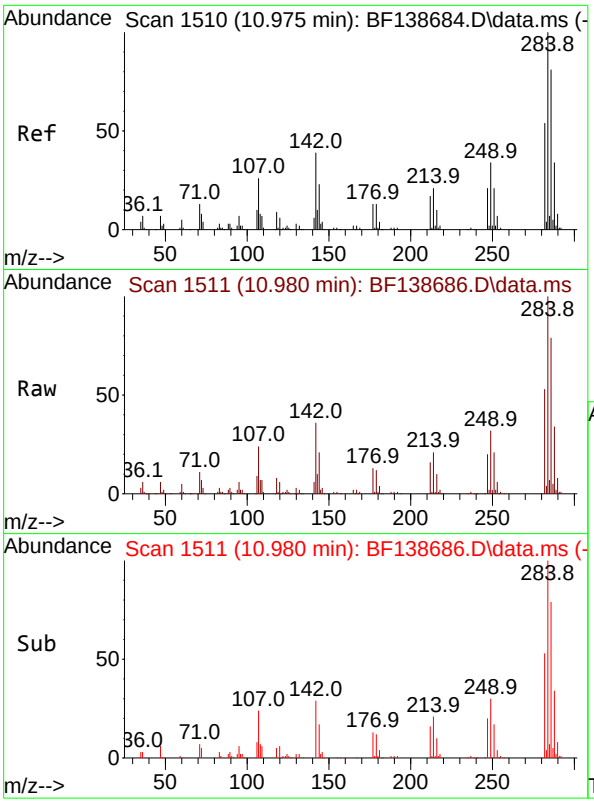


#67
4-Bromophenyl-phenylether
Concen: 57.182 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



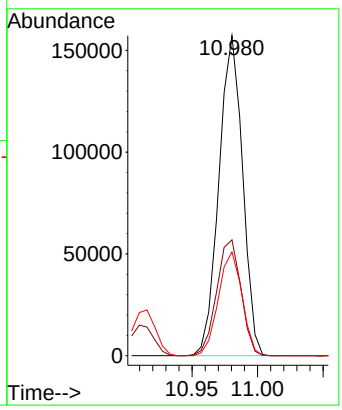


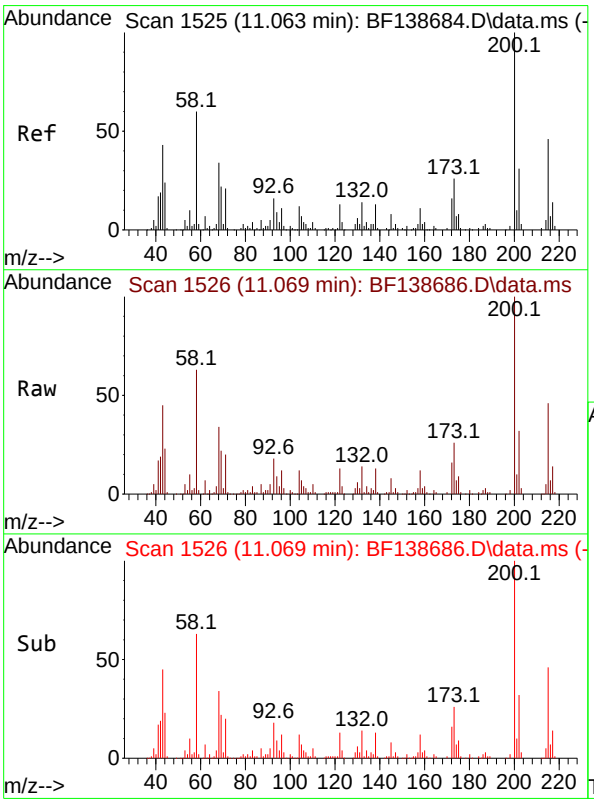
#68
Hexachlorobenzene
Concen: 58.832 ng
RT: 10.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

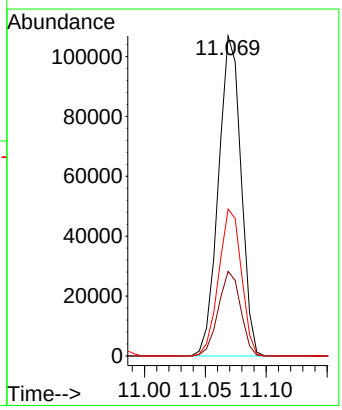


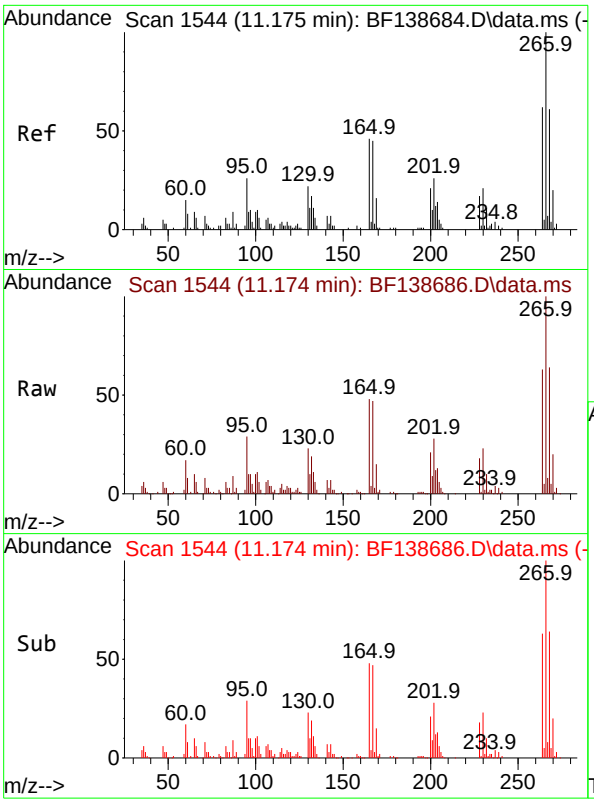


#69
Atrazine
Concen: 57.055 ng
RT: 11.069 min Scan# 1526
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



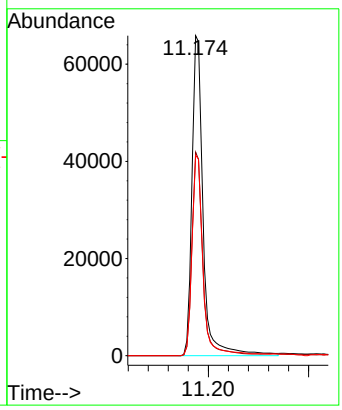


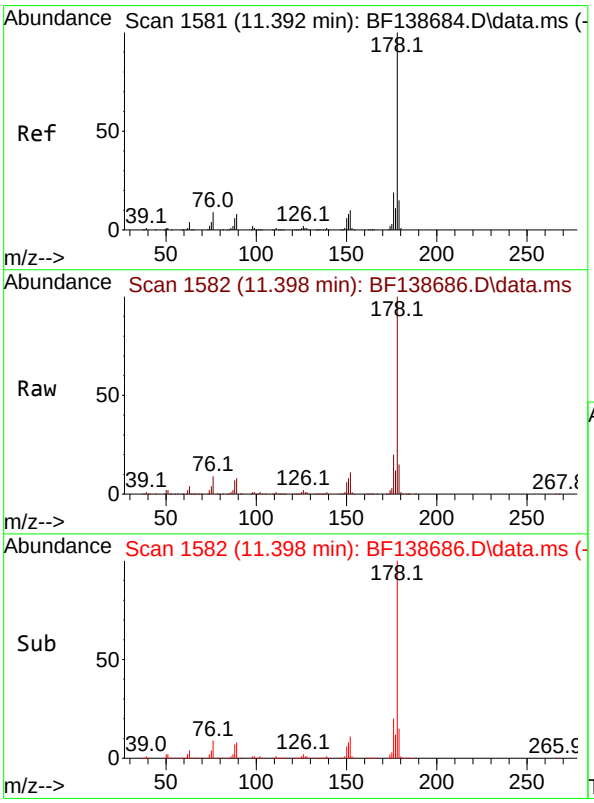
#70
Pentachlorophenol
Concen: 67.437 ng
RT: 11.174 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

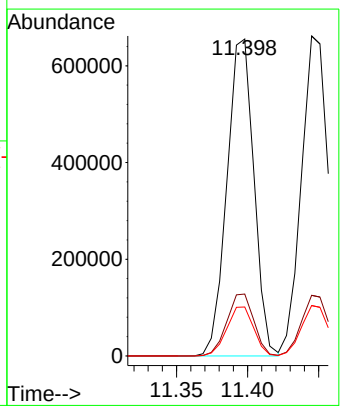


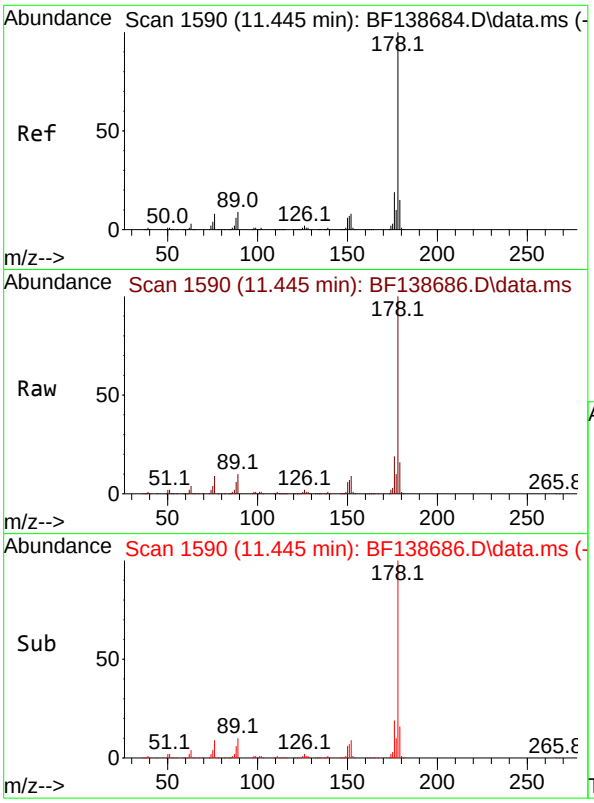


#71
Phenanthrene
Concen: 56.216 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



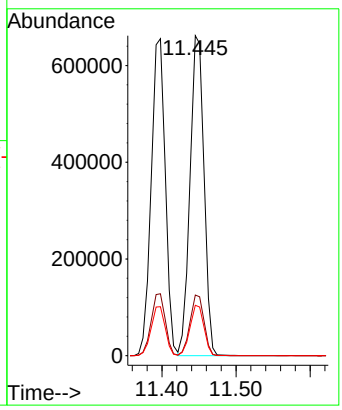


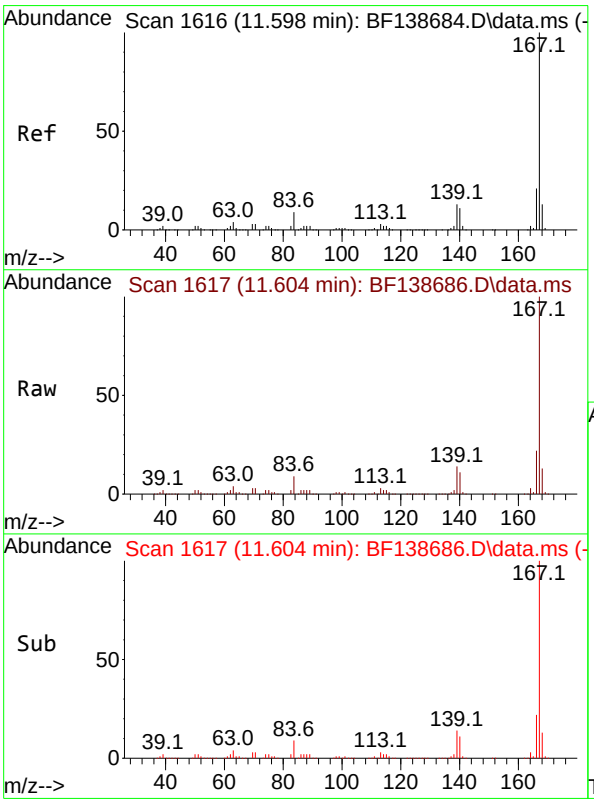
#72
Anthracene
Concen: 57.177 ng
RT: 11.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

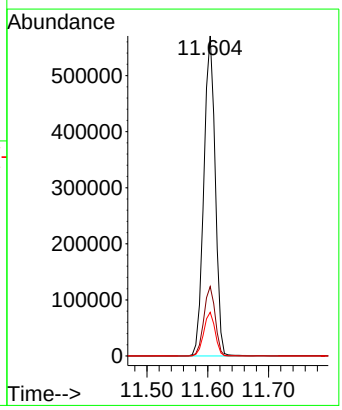


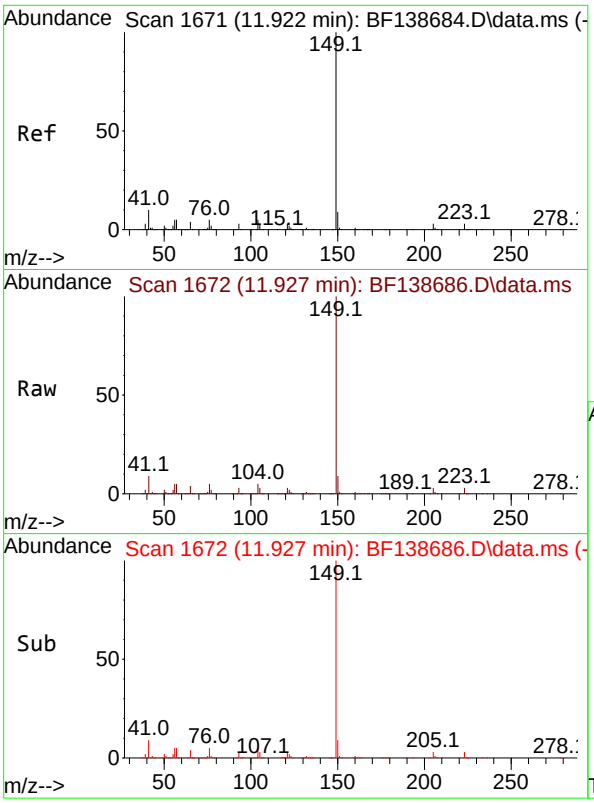


#73
Carbazole
Concen: 56.558 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



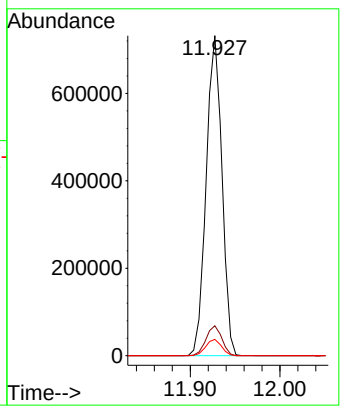


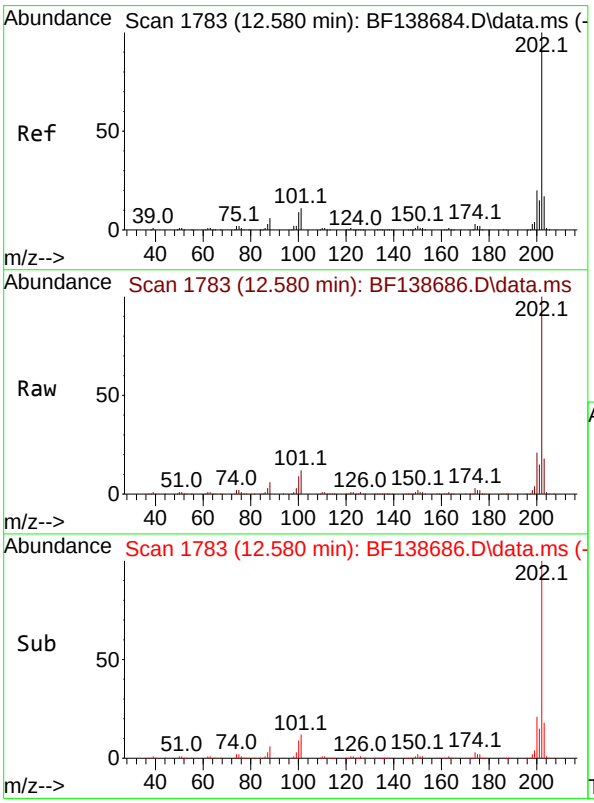
#74
Di-n-butylphthalate
Concen: 60.481 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

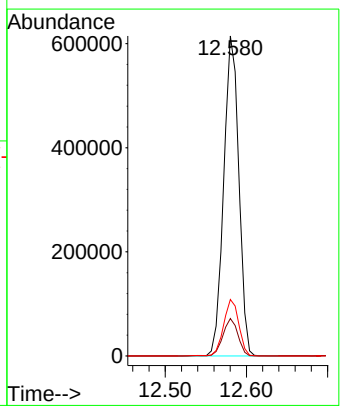


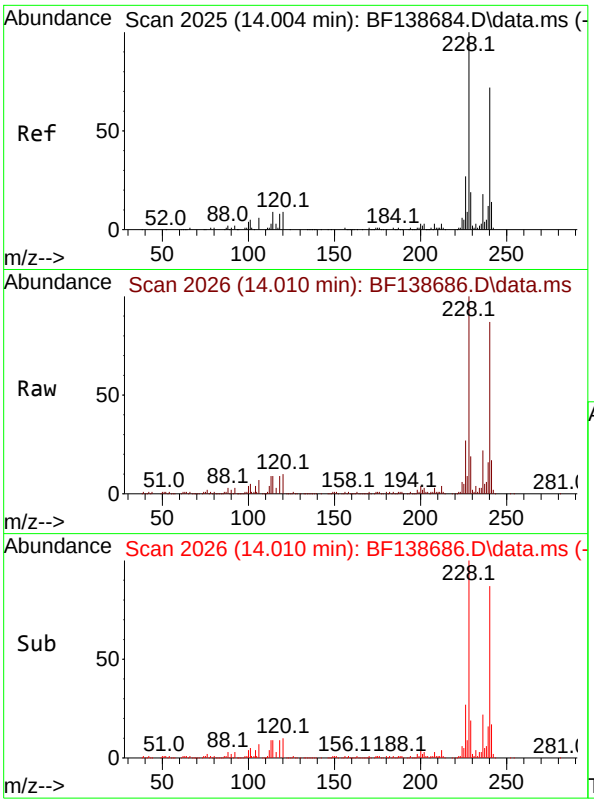


#75
Fluoranthene
Concen: 55.309 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



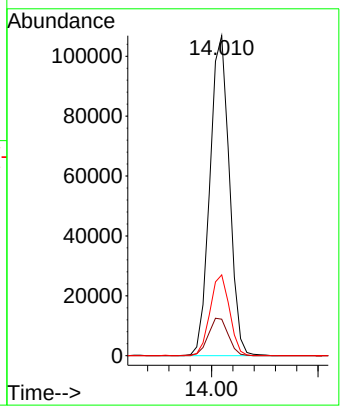


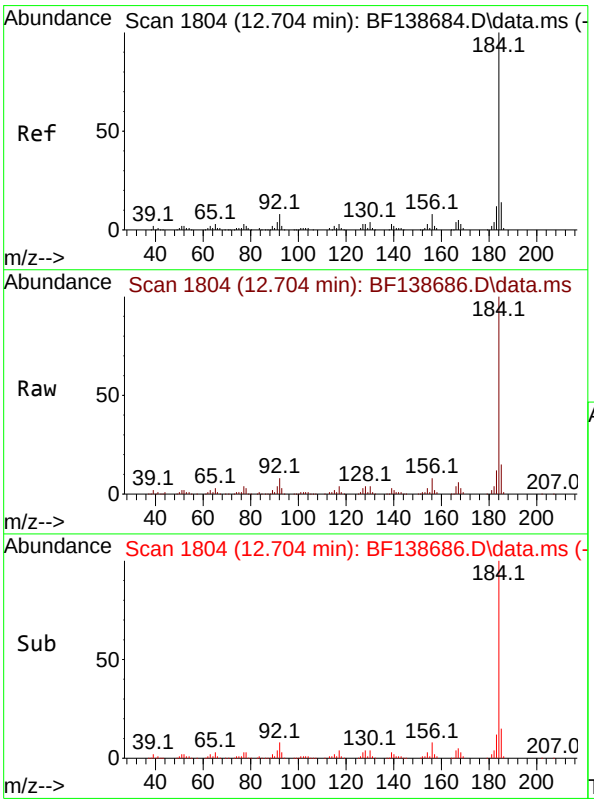
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

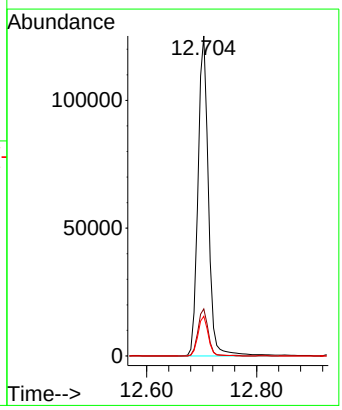


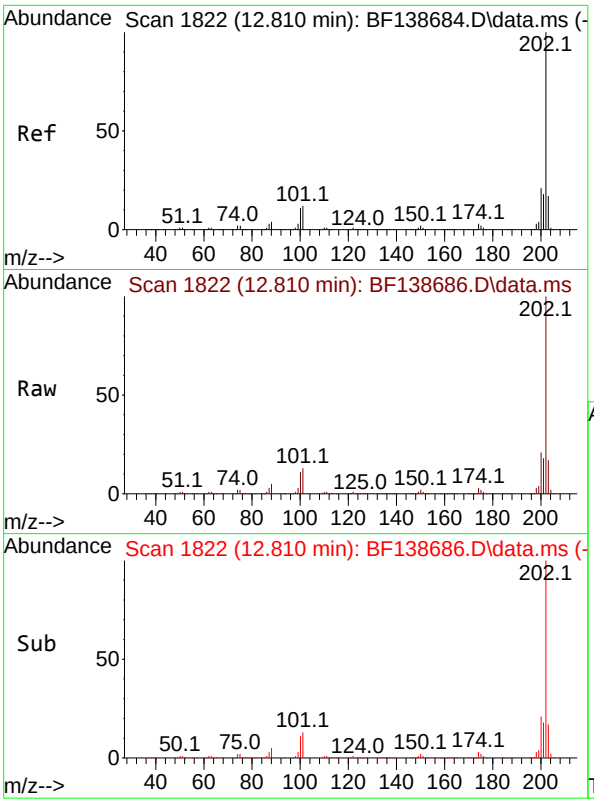


#77
Benzidine
Concen: 51.170 ng
RT: 12.704 min Scan# 1804
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



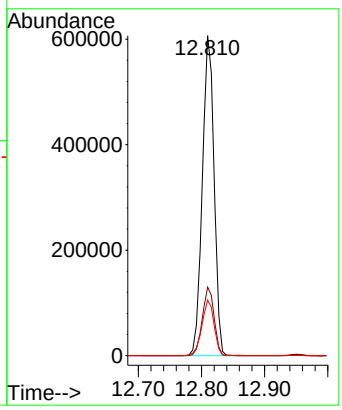


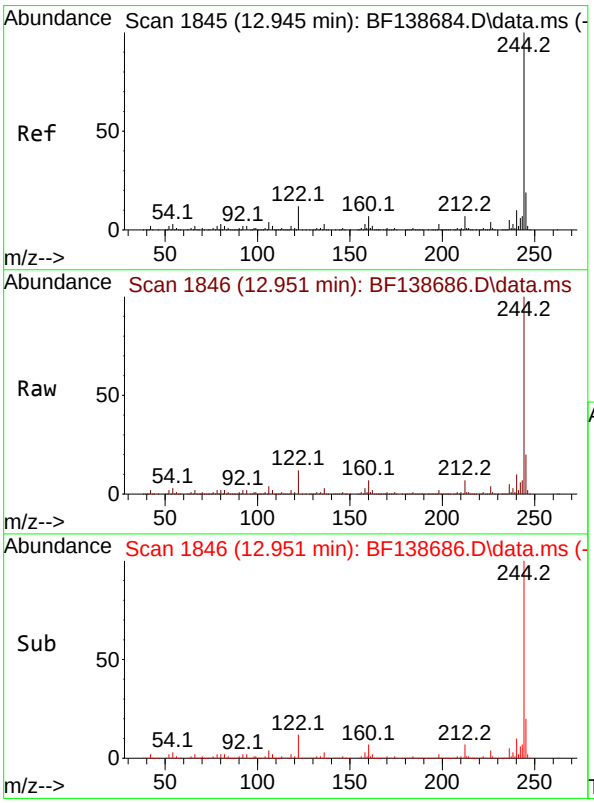
#78
Pyrene
Concen: 61.448 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

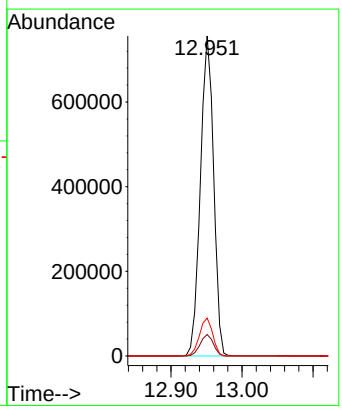


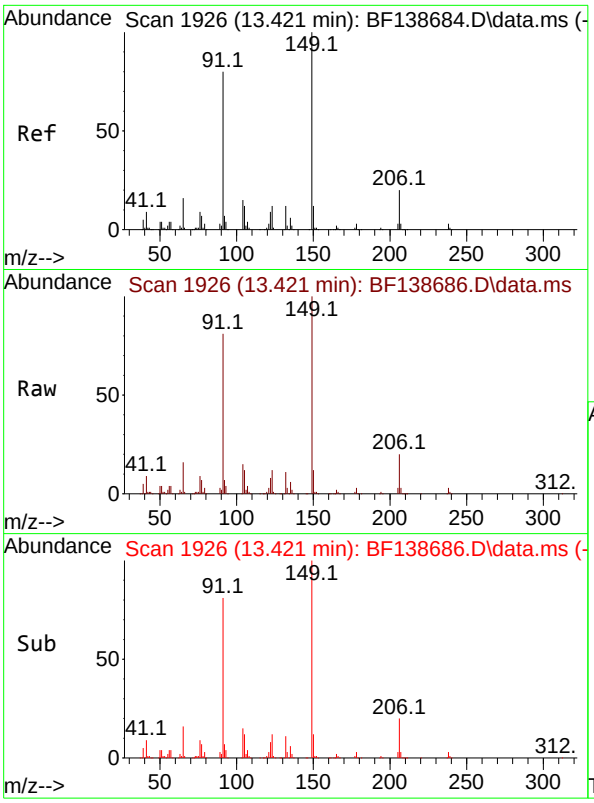


#79
Terphenyl-d14
Concen: 121.541 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



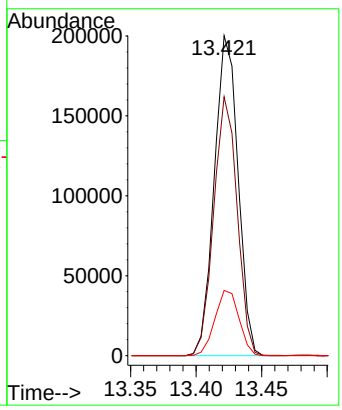


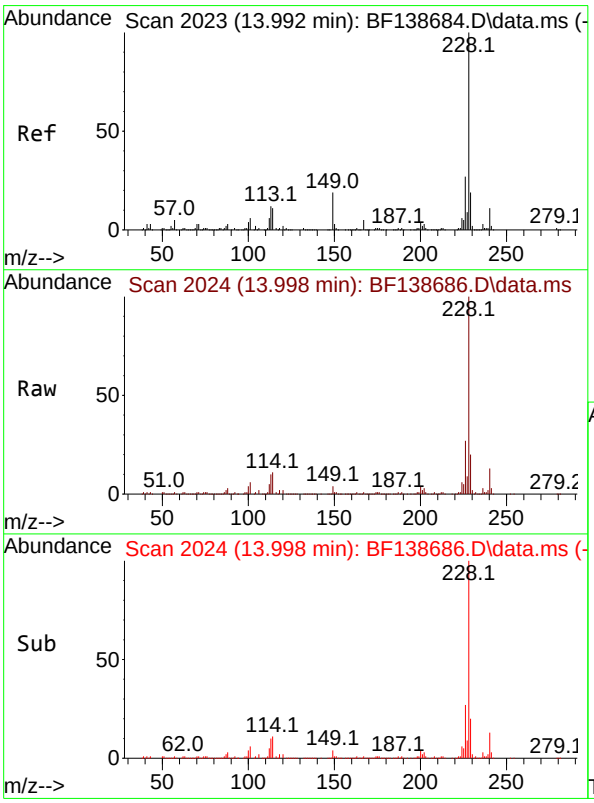
#80
Butylbenzylphthalate
Concen: 61.709 ng
RT: 13.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

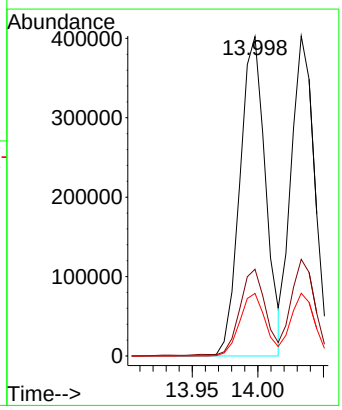


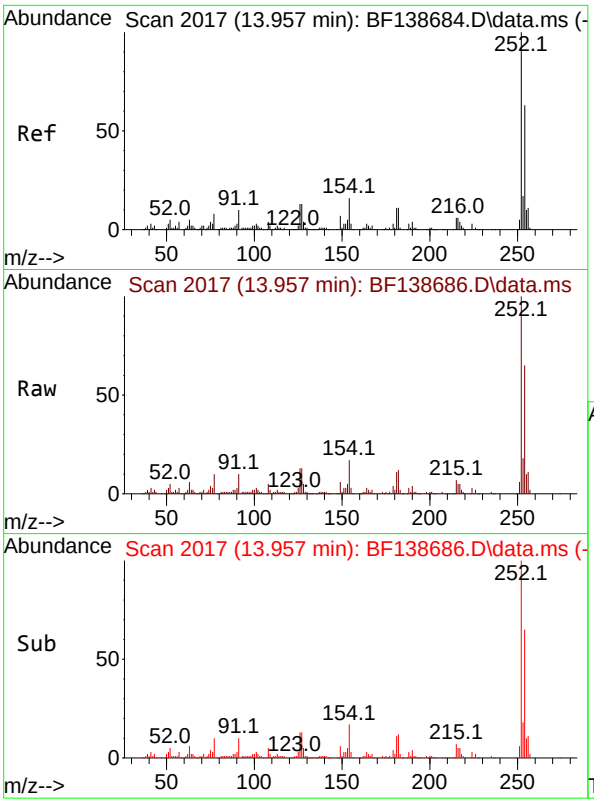


#81
Benzo(a)anthracene
Concen: 58.859 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



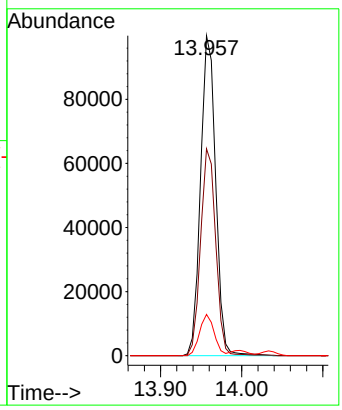


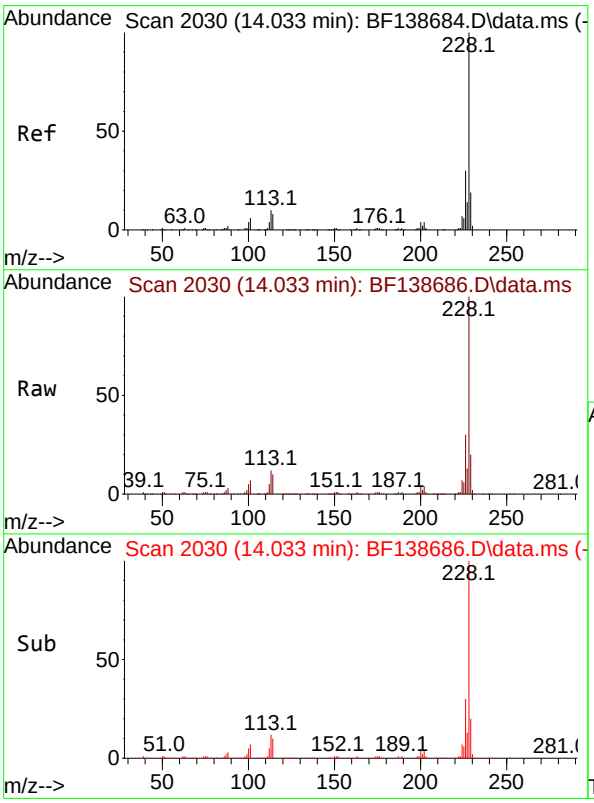
#82
3,3'-Dichlorobenzidine
Concen: 54.238 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

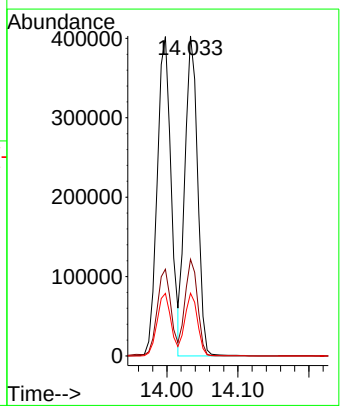


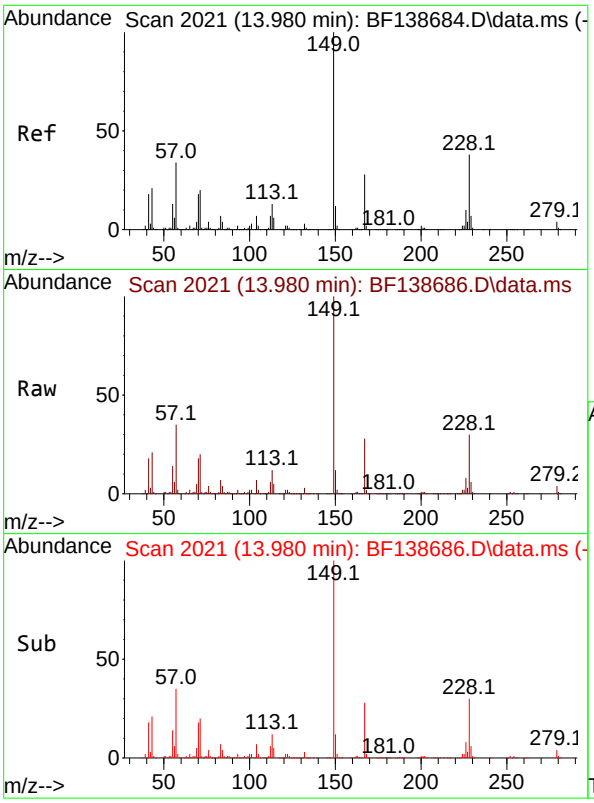


#83
Chrysene
Concen: 59.365 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



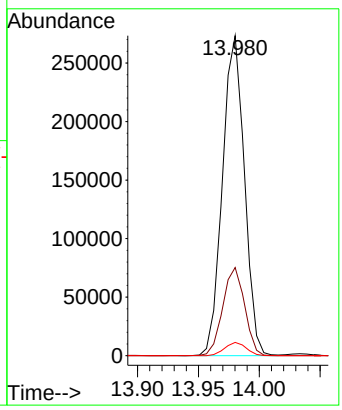


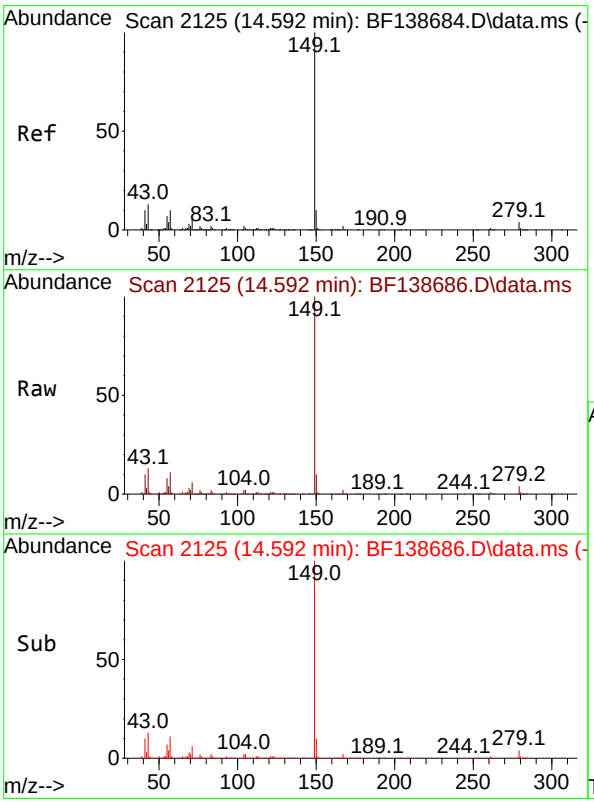
#84
Bis(2-ethylhexyl)phthalate
Concen: 57.526 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

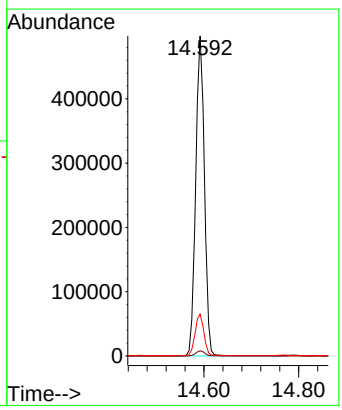


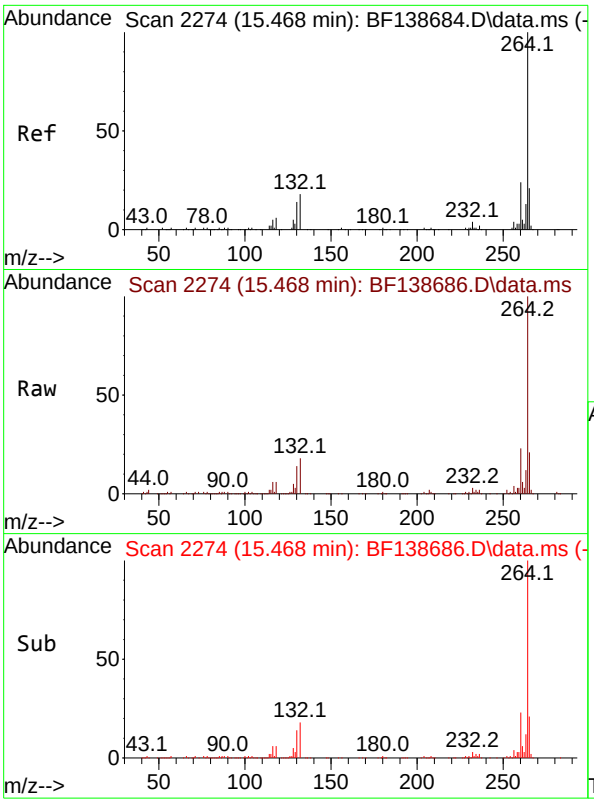


#85
Di-n-octyl phthalate
Concen: 57.670 ng
RT: 14.592 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



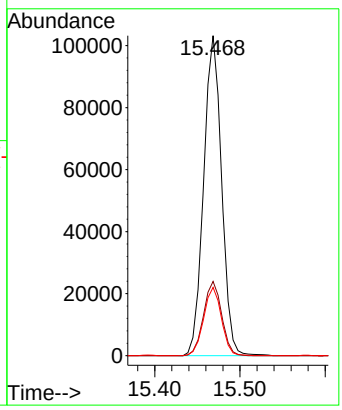


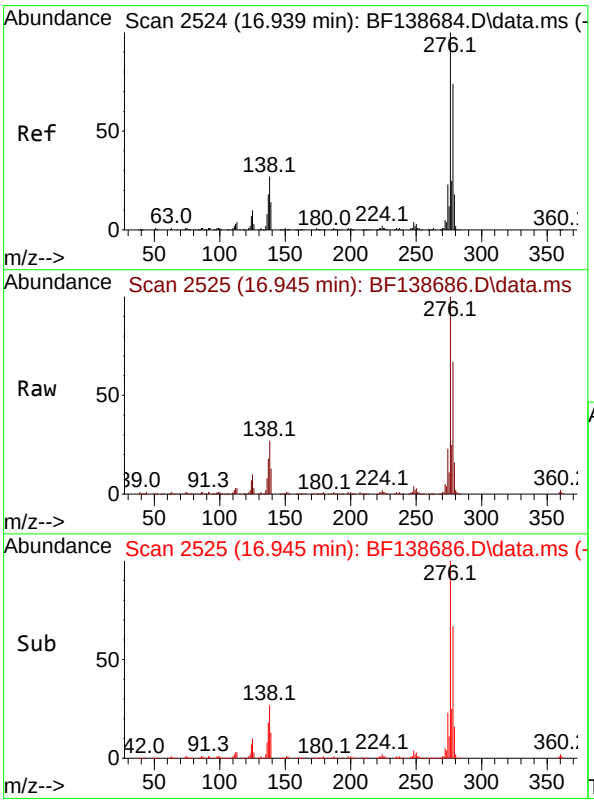
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

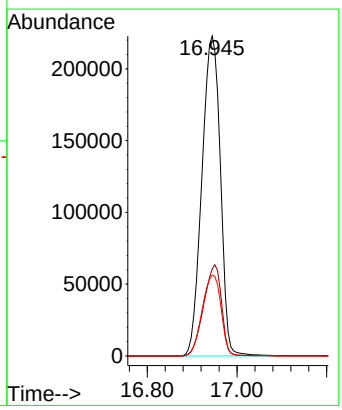


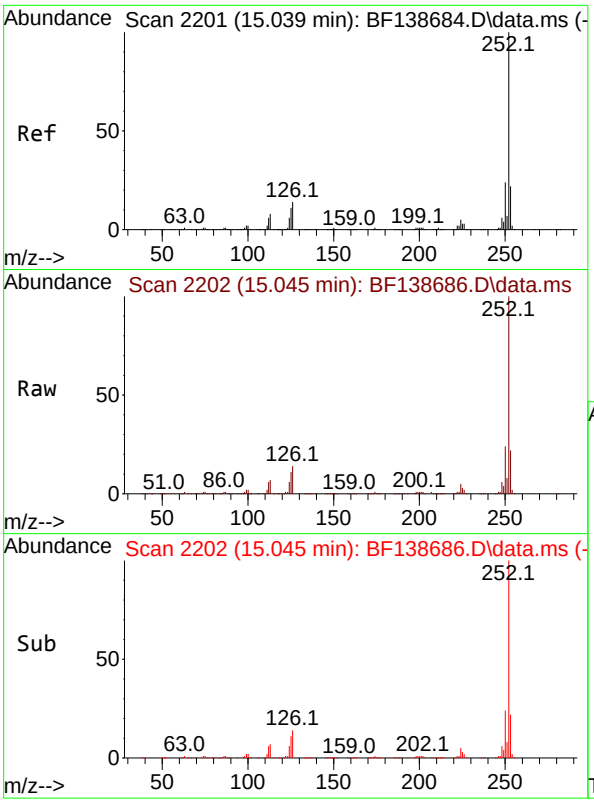


#87
Indeno(1,2,3-cd)pyrene
Concen: 58.833 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



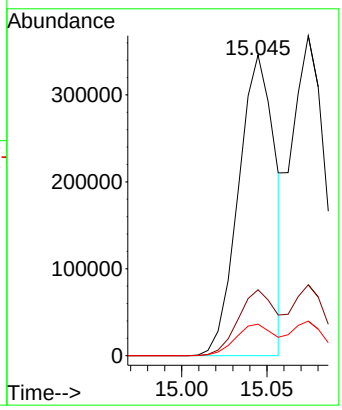


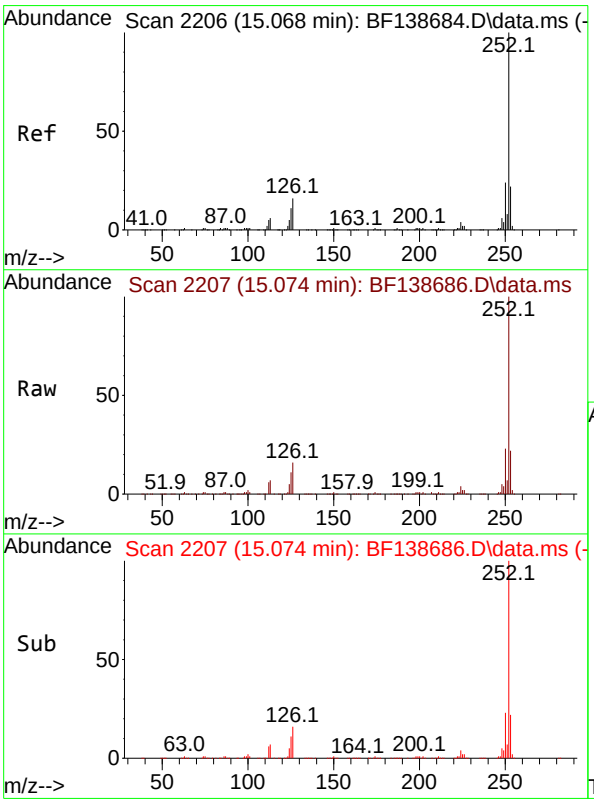
#88
Benzo(b)fluoranthene
Concen: 54.916 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

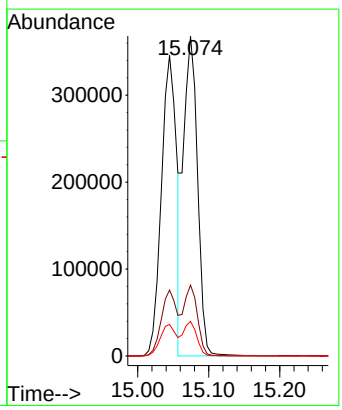


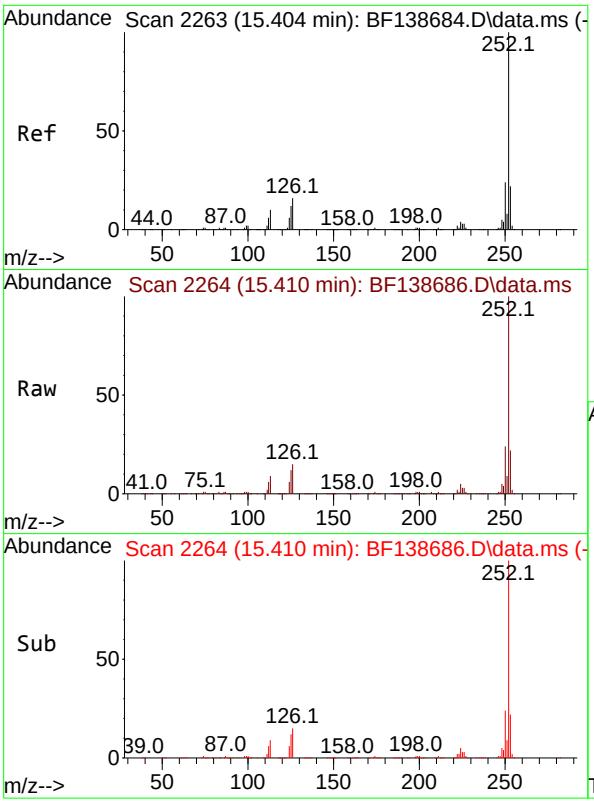


#89
Benzo(k)fluoranthene
Concen: 62.431 ng
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



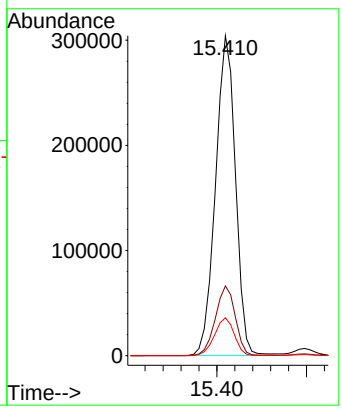


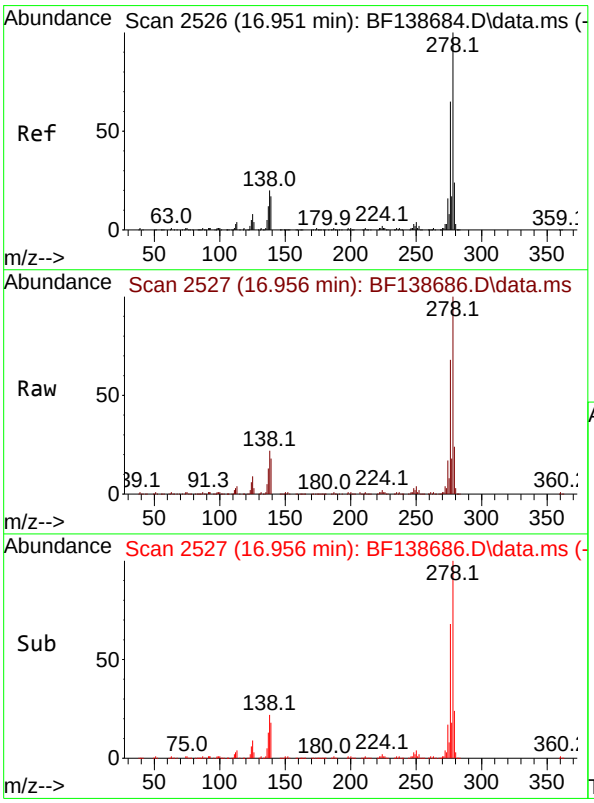
#90
Benzo(a)pyrene
Concen: 59.572 ng
RT: 15.410 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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

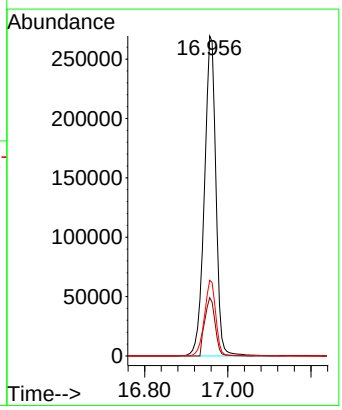


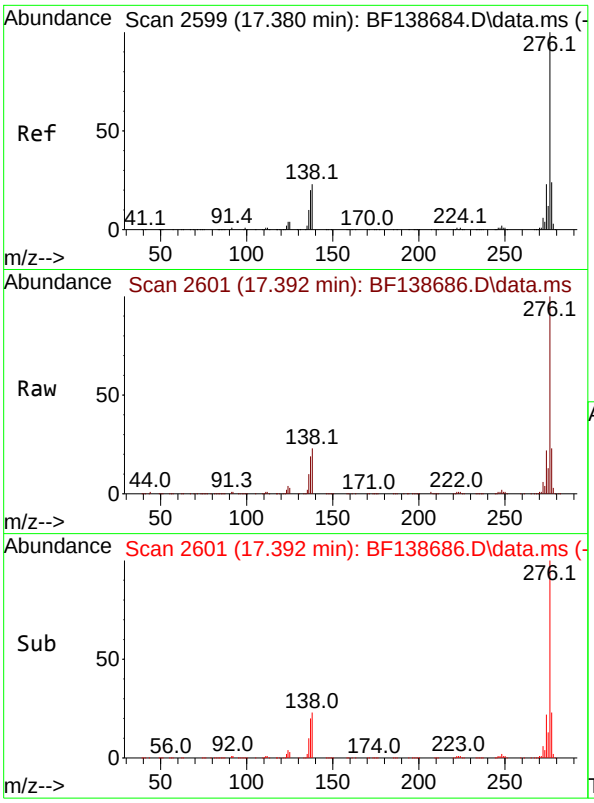


#91
Dibenzo(a,h)anthracene
Concen: 58.470 ng
RT: 16.956 min Scan# 2527
Delta R.T. 0.006 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



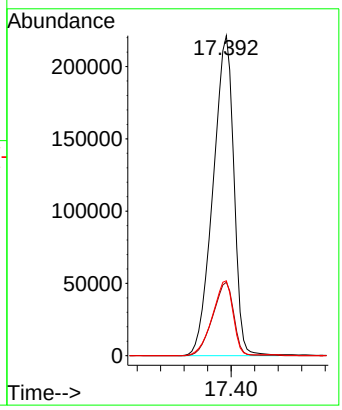


#92
Benzo(g,h,i)perylene
Concen: 58.883 ng
RT: 17.392 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138686.D
Acq: 30 Jul 2024 15:58

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



Quantitation Report (QT Reviewed)

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

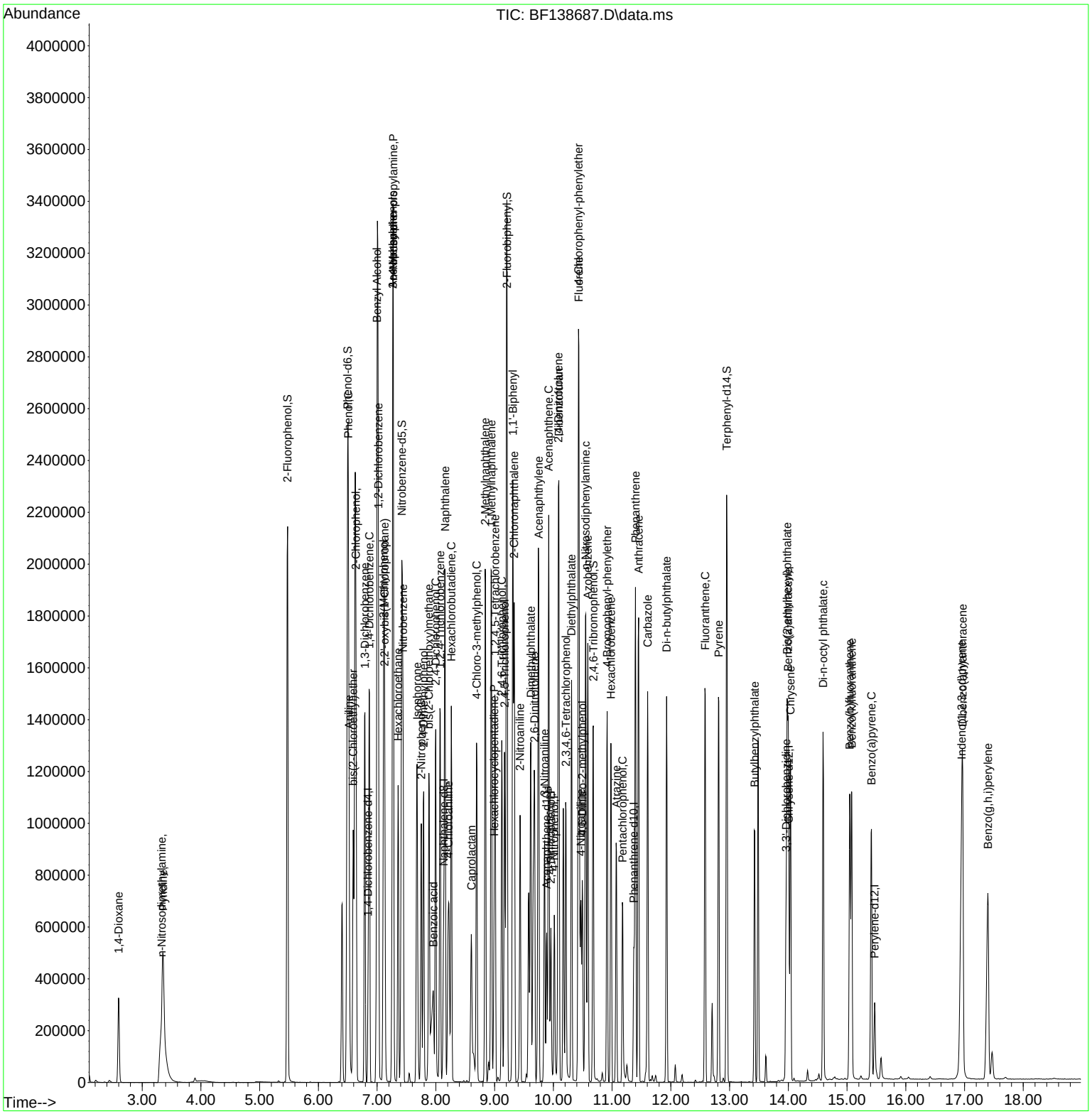
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.310	154	983564	73.651	ng		100
47) 2-Chloronaphthalene	9.334	162	742852	74.793	ng		100
48) 2-Nitroaniline	9.434	65	266220	79.066	ng		98
49) Acenaphthylene	9.751	152	1013441	71.944	ng		99
50) Dimethylphthalate	9.616	163	843645	77.379	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

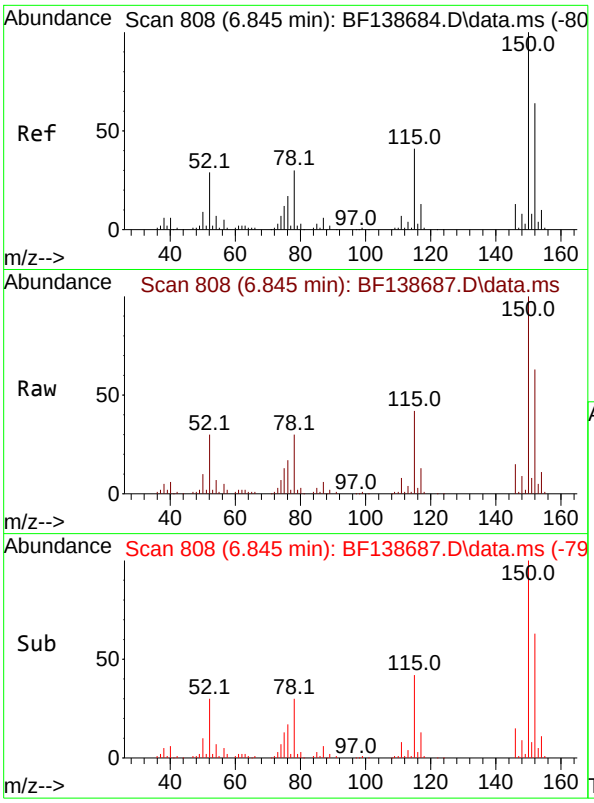
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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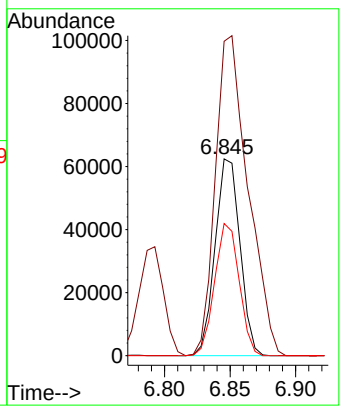


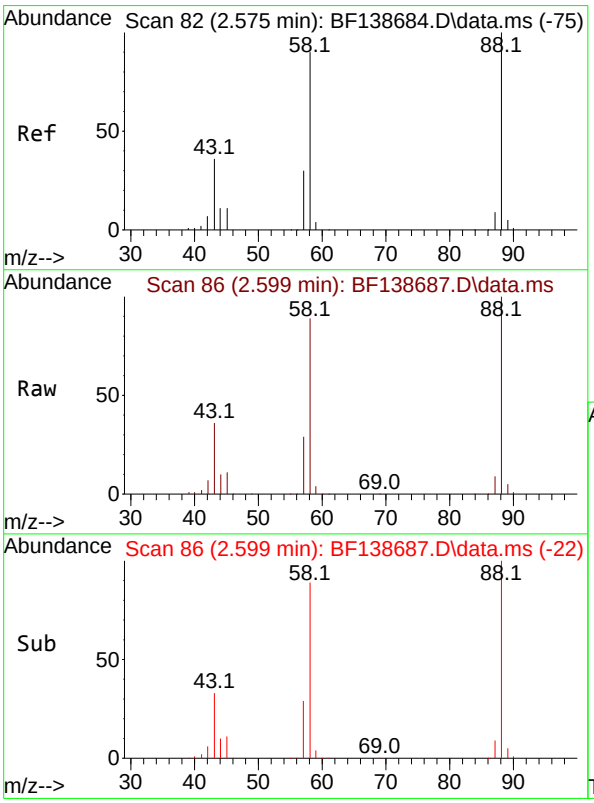
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

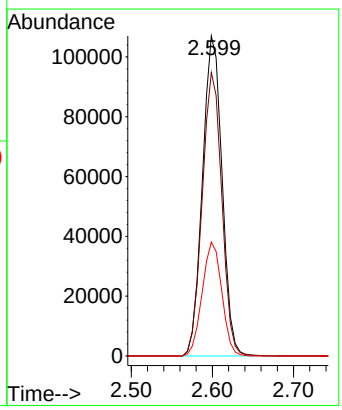


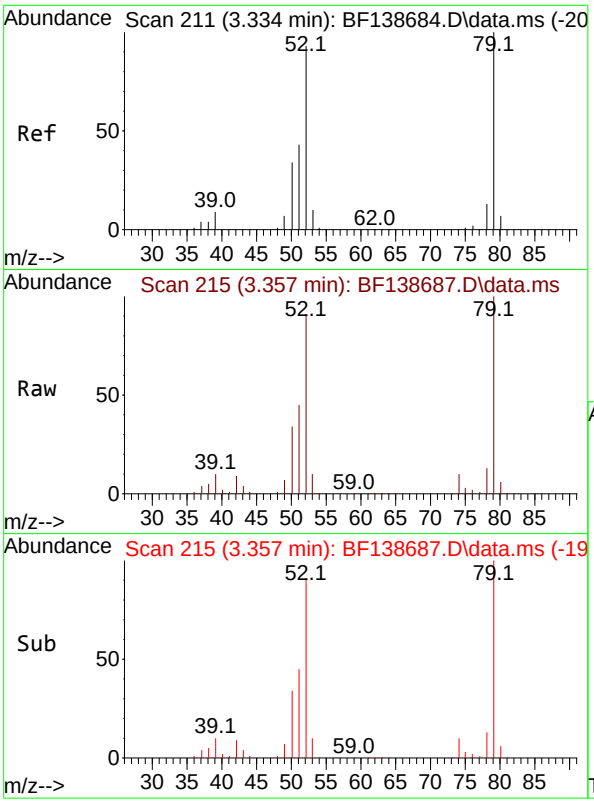


#2
1,4-Dioxane
Concen: 76.661 ng
RT: 2.599 min Scan# 86
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



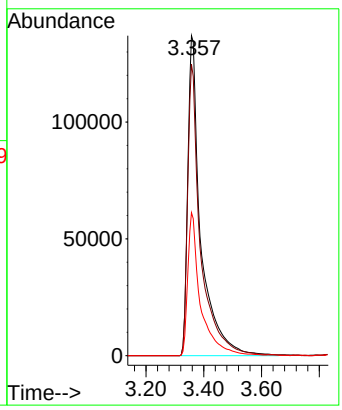


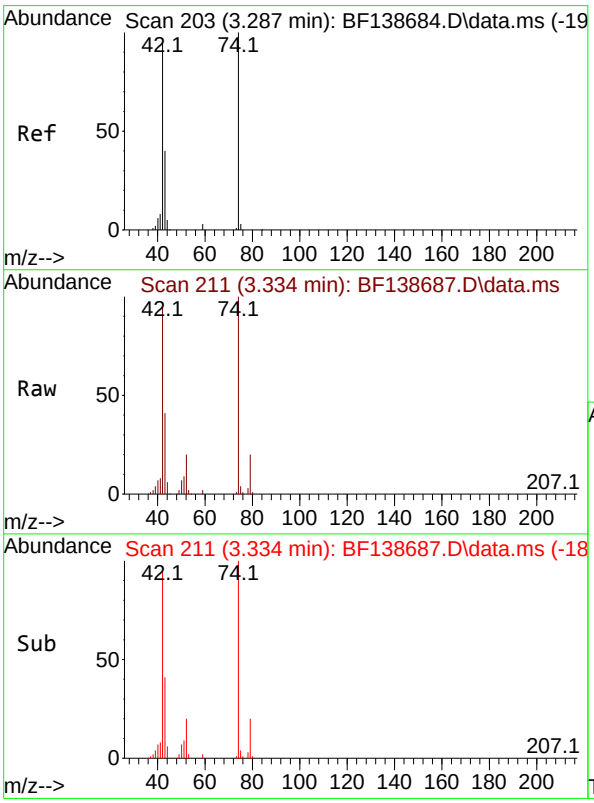
#3
Pyridine
Concen: 76.132 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

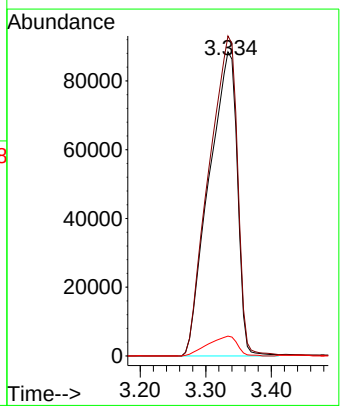


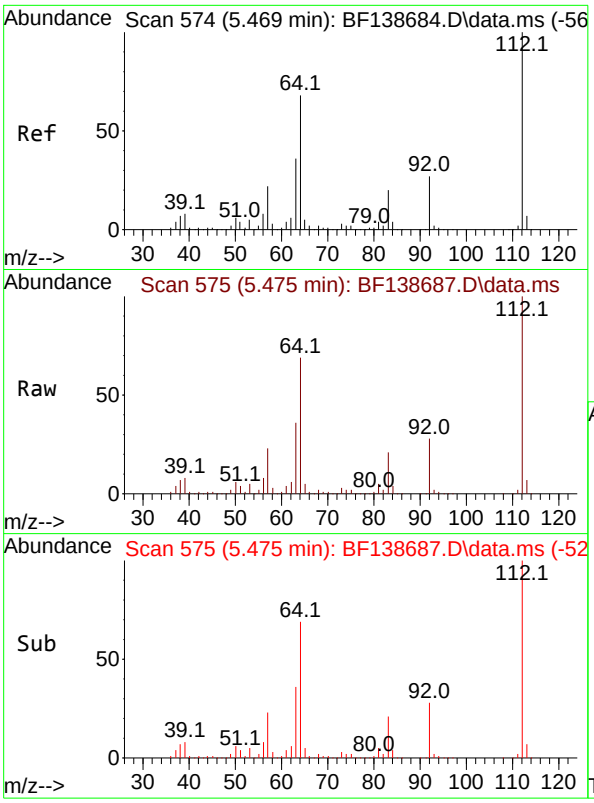


#4
n-Nitrosodimethylamine
Concen: 78.541 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.047 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



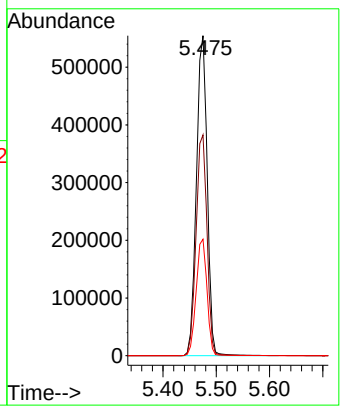


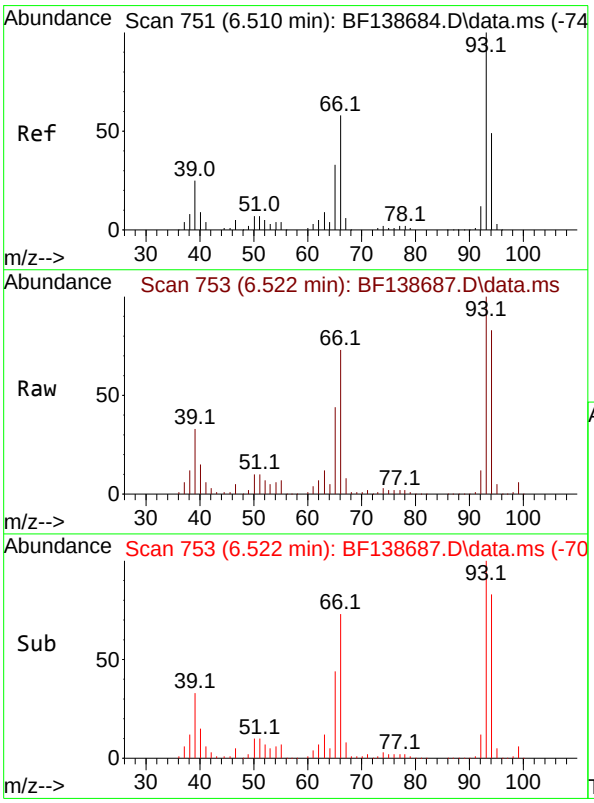
#5
2-Fluorophenol
Concen: 146.149 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

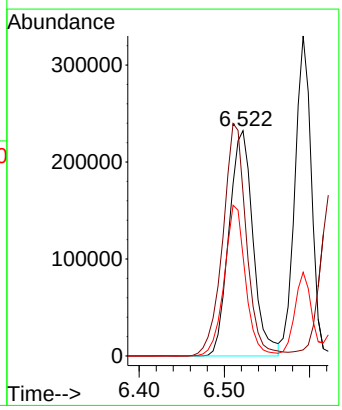


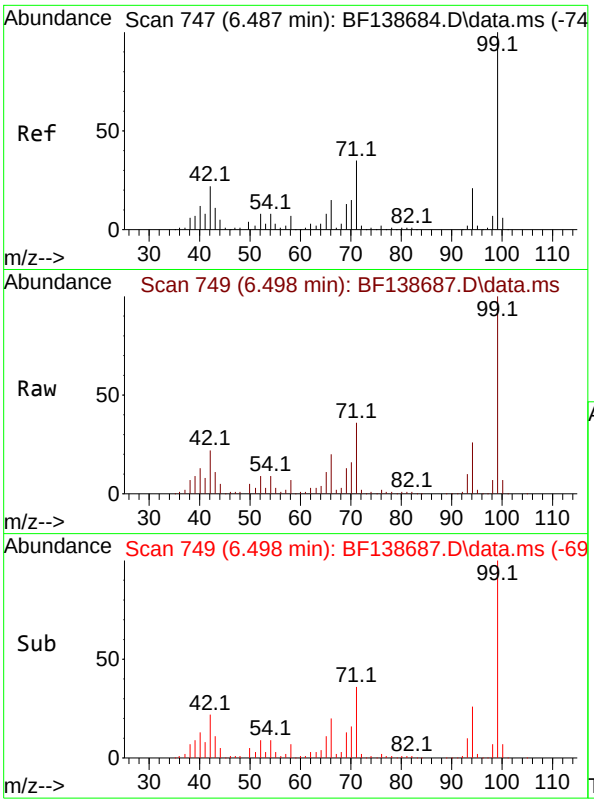


#6
Aniline
Concen: 70.918 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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#



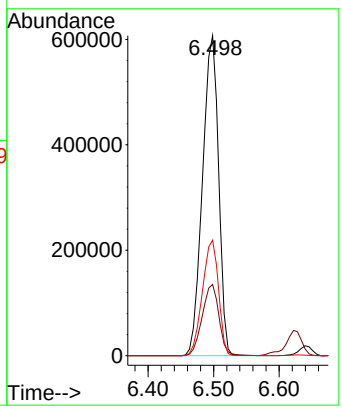


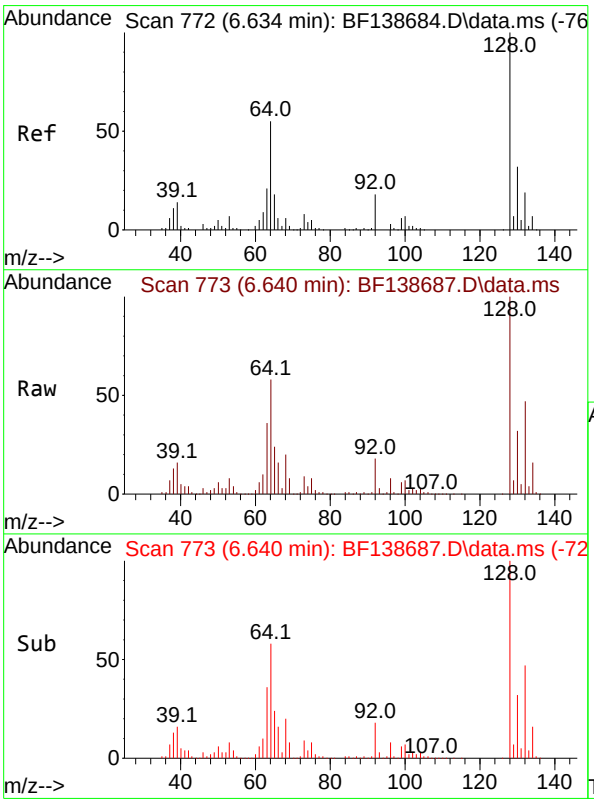
#7
Phenol-d6
Concen: 144.849 ng
RT: 6.498 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

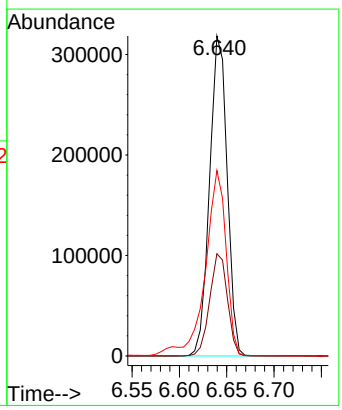


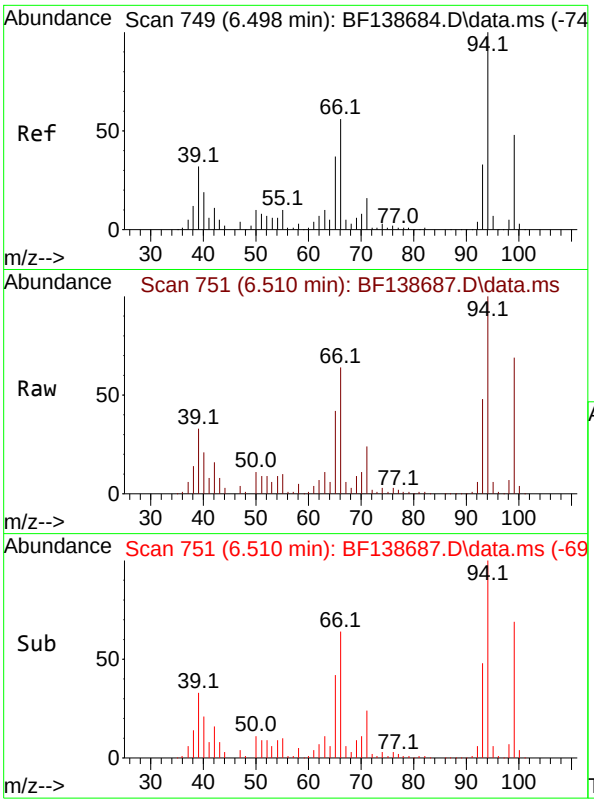


#8
2-Chlorophenol
Concen: 73.470 ng
RT: 6.640 min Scan# 773
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



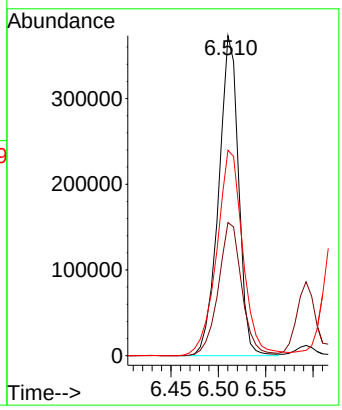


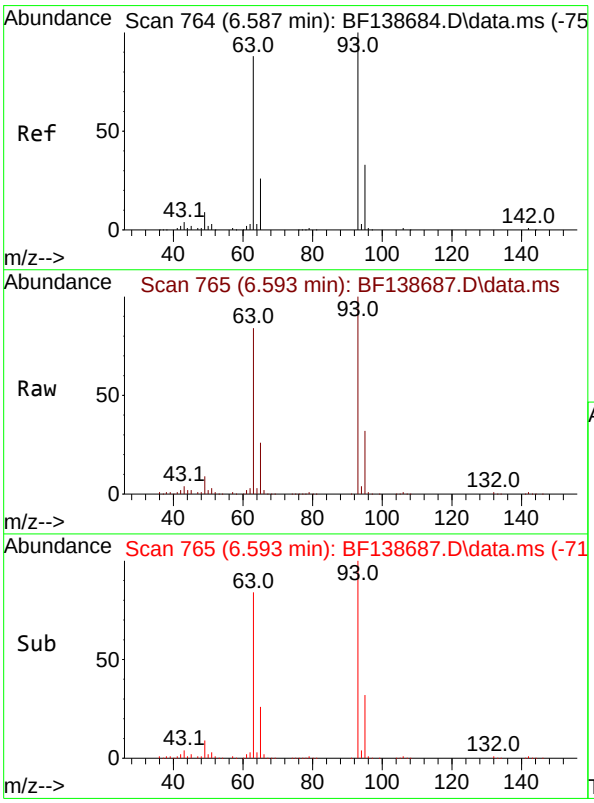
#10
Phenol
Concen: 72.698 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

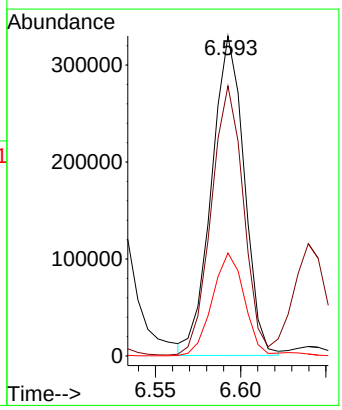


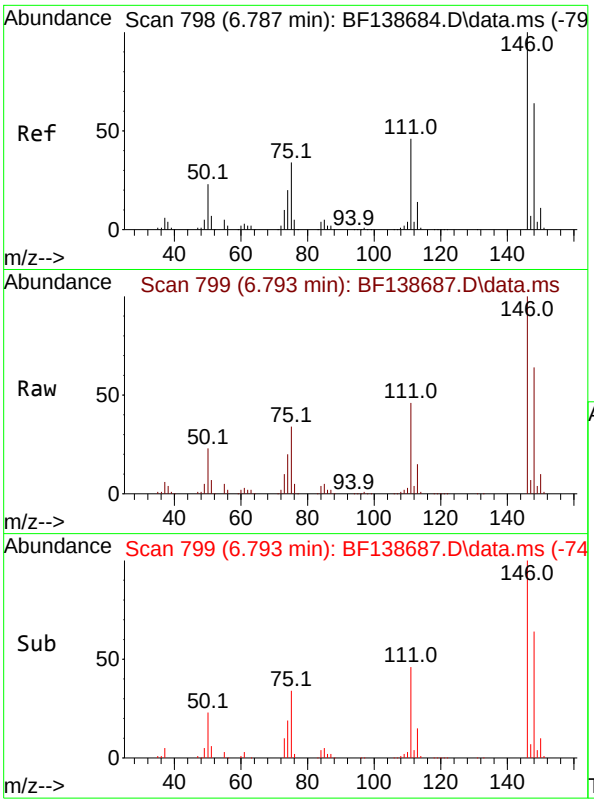


#11
bis(2-Chloroethyl)ether
Concen: 75.750 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



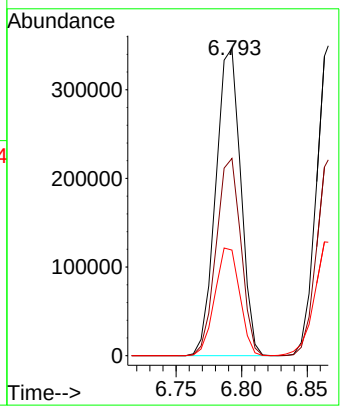


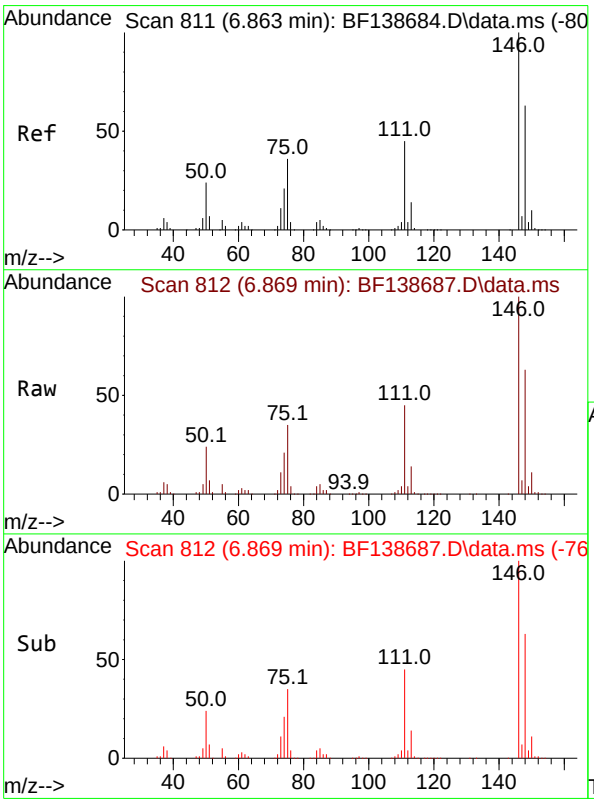
#12
1,3-Dichlorobenzene
Concen: 72.845 ng
RT: 6.793 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

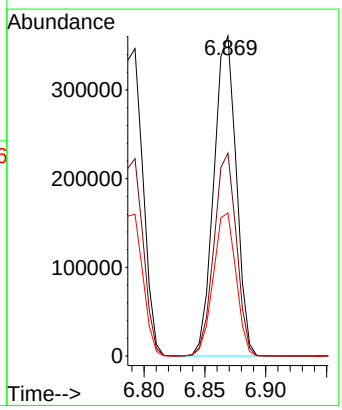


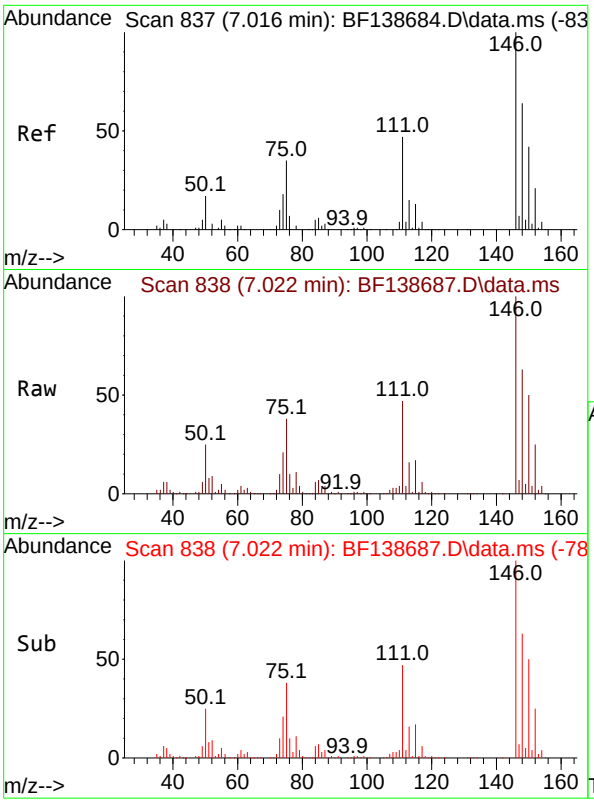


#13
1,4-Dichlorobenzene
Concen: 73.107 ng
RT: 6.869 min Scan# 812
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



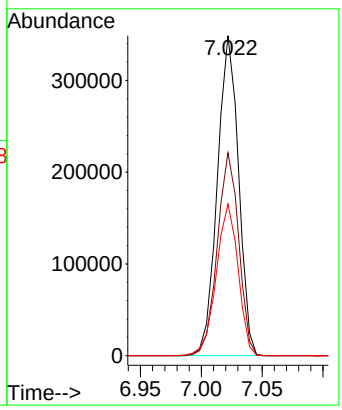


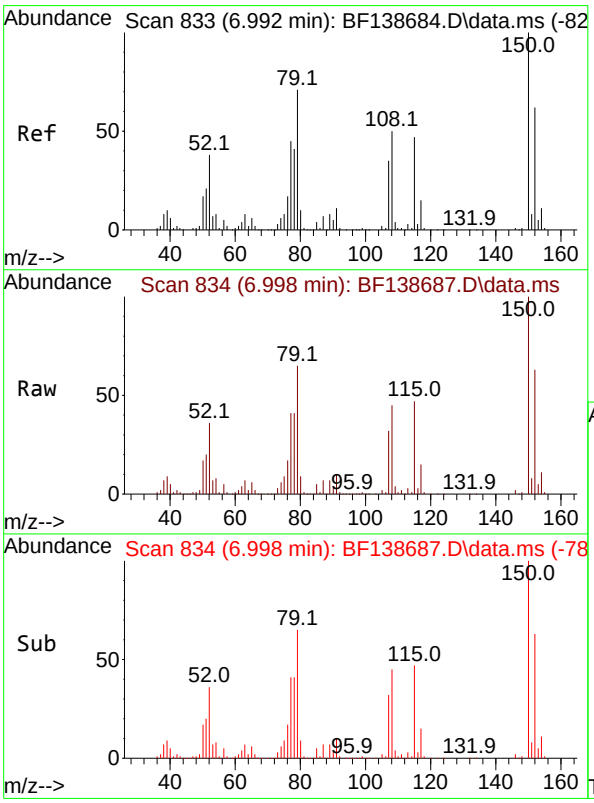
#14
1,2-Dichlorobenzene
Concen: 71.351 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

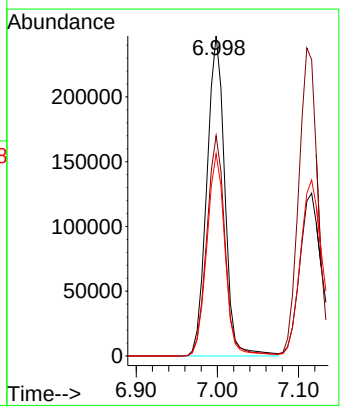


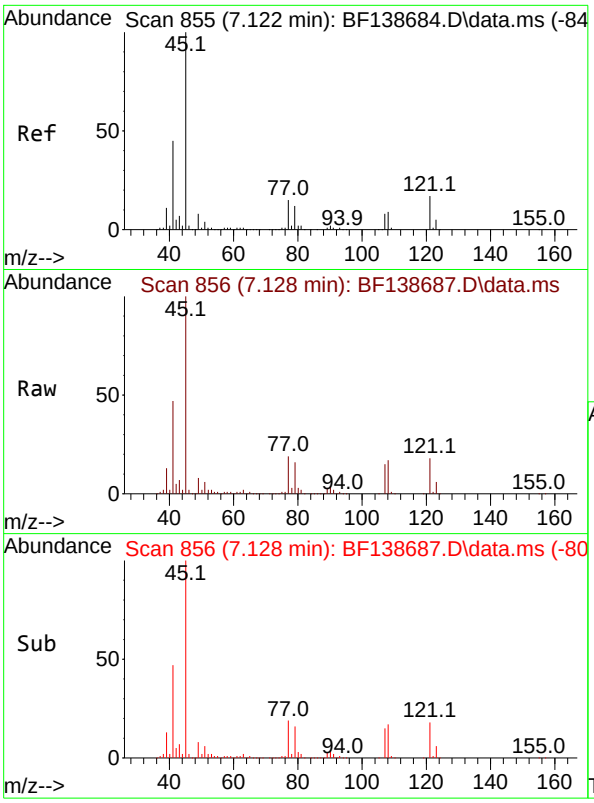


#15
Benzyl Alcohol
Concen: 73.451 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



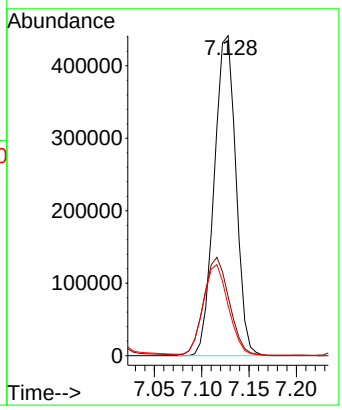


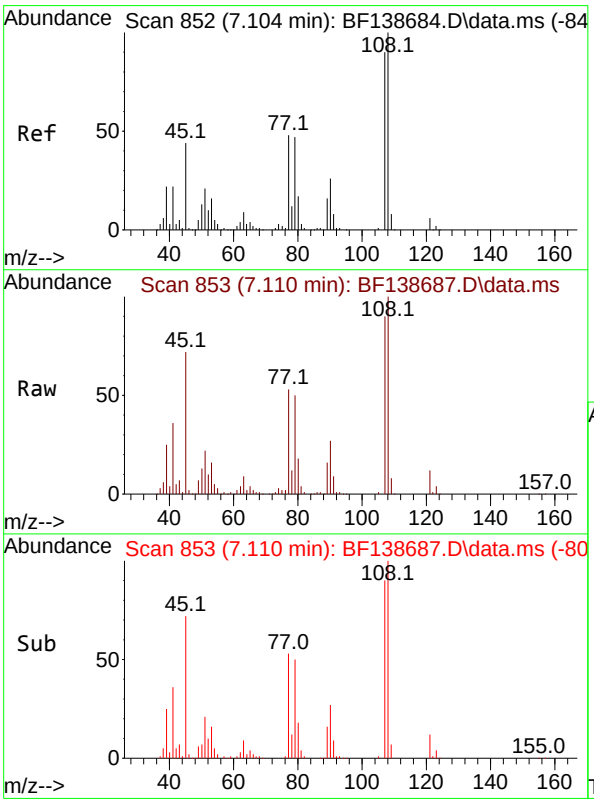
#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.510 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

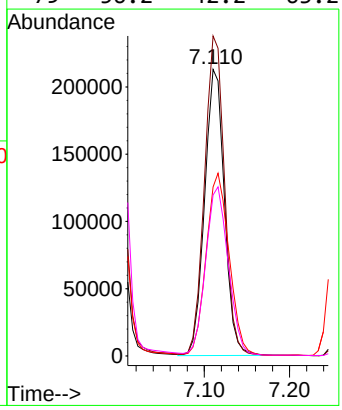


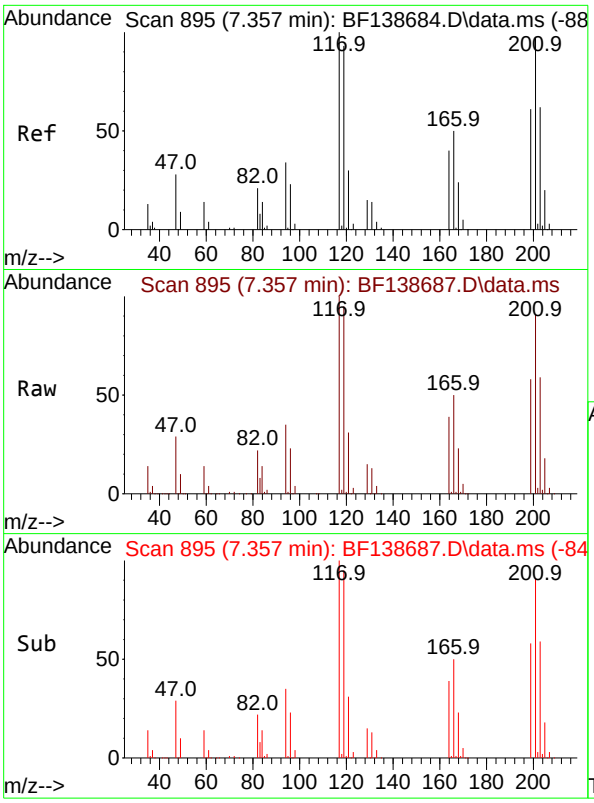


#17
2-Methylphenol
Concen: 74.274 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



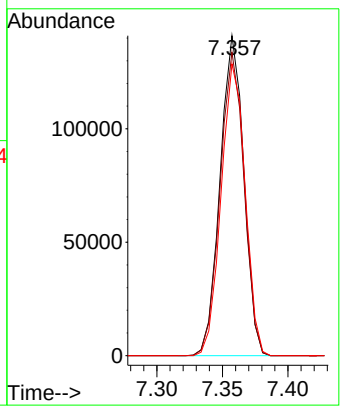


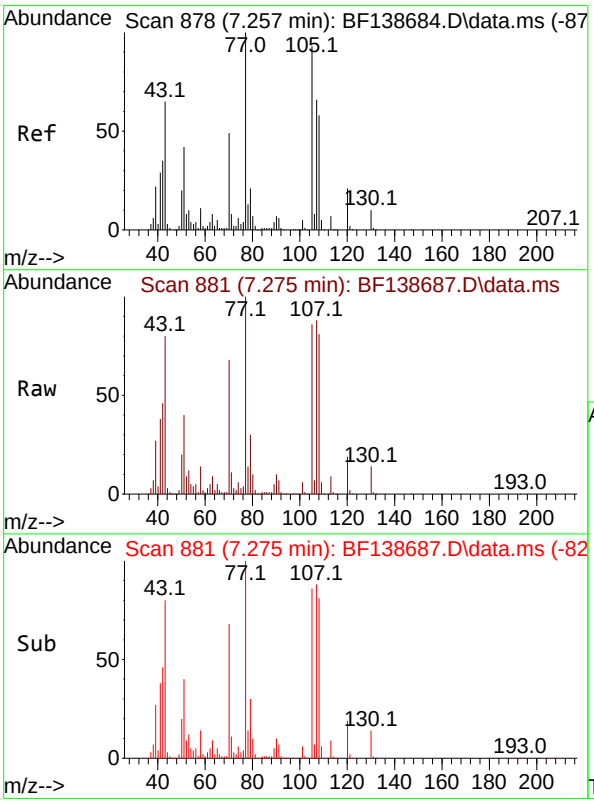
#18
Hexachloroethane
Concen: 74.559 ng
RT: 7.357 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

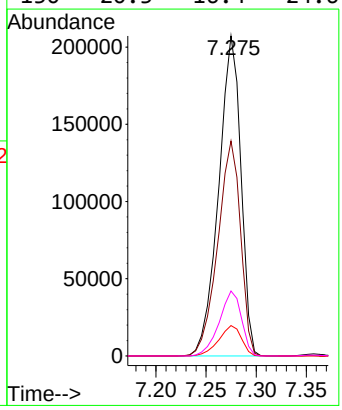


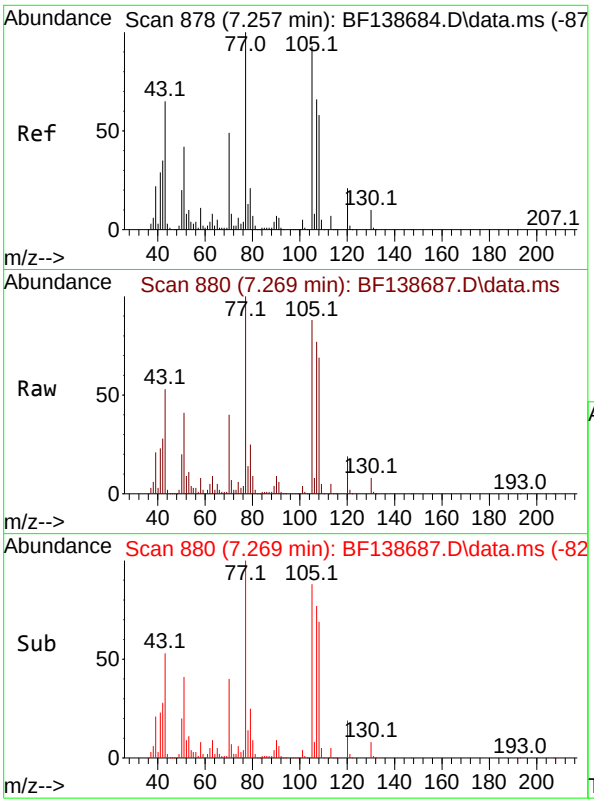


#19
n-Nitroso-di-n-propylamine
Concen: 73.850 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



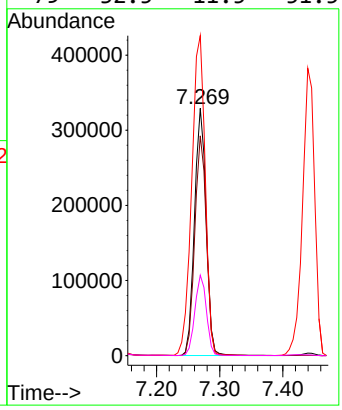


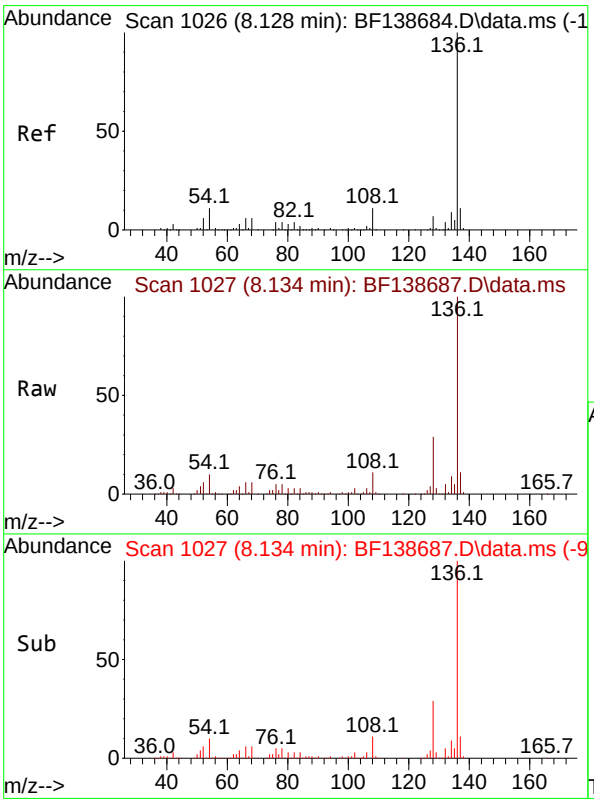
#20
3+4-Methylphenols
Concen: 70.728 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

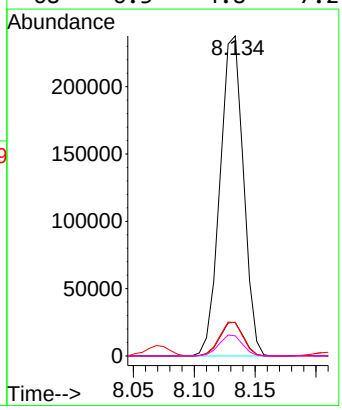


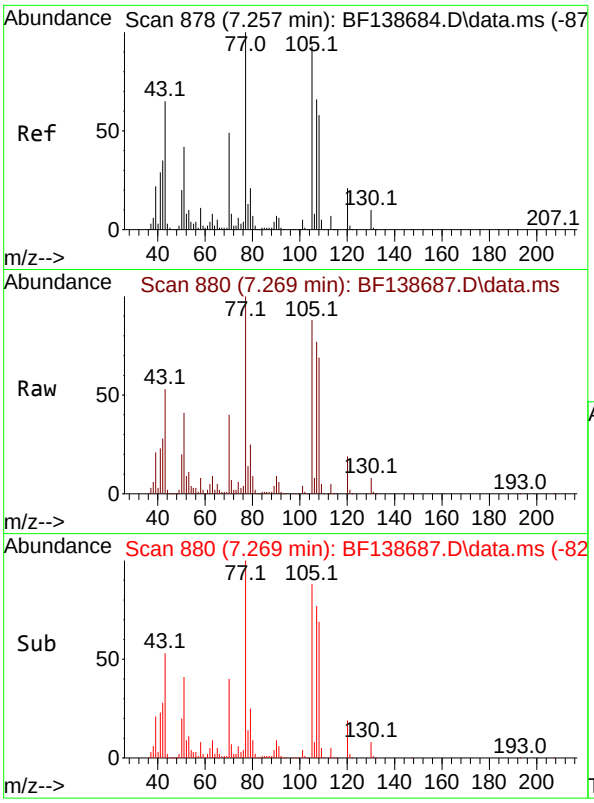


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



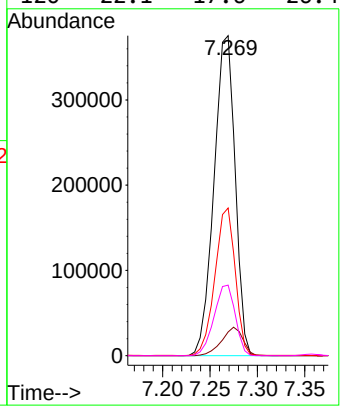


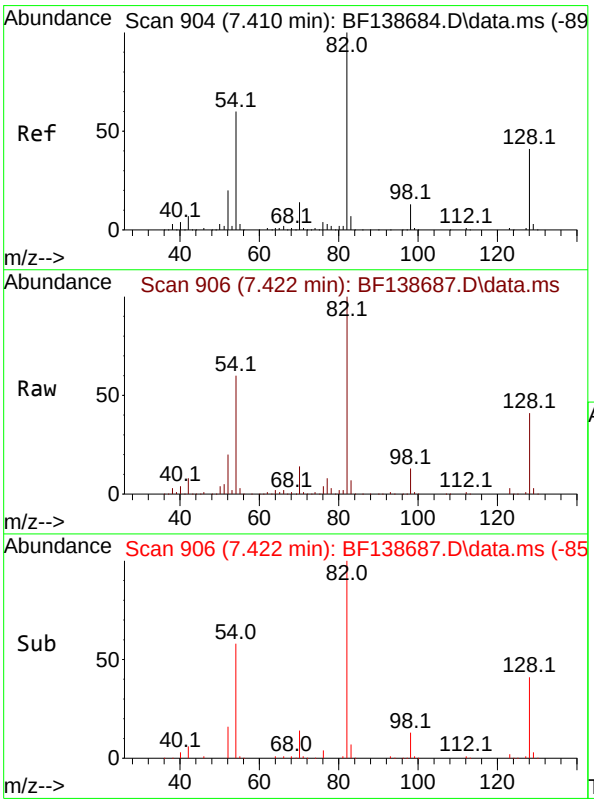
#22
Acetophenone
Concen: 74.849 ng
RT: 7.269 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

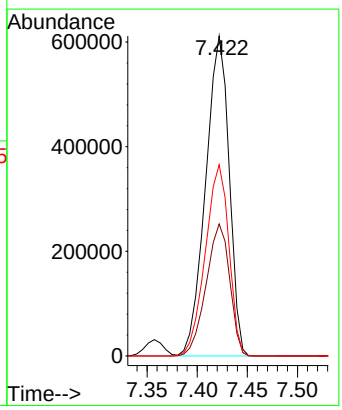


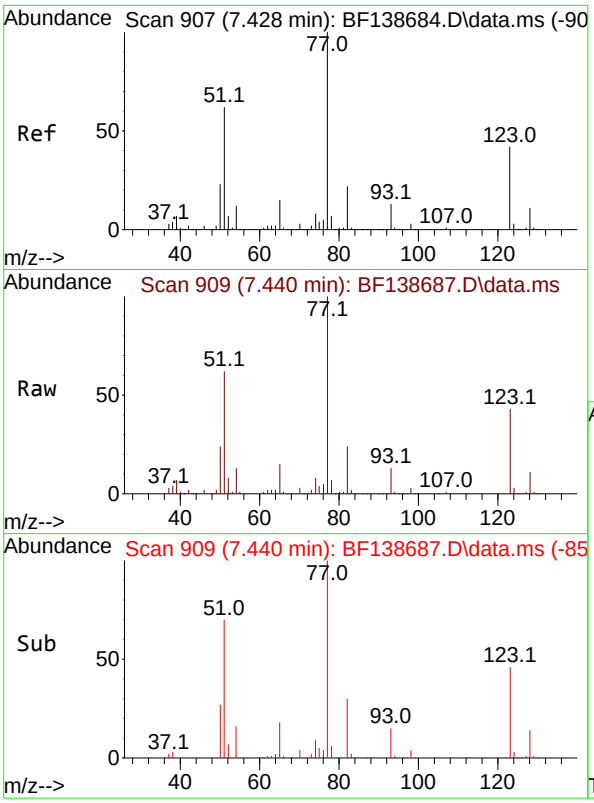


#23
Nitrobenzene-d5
Concen: 153.499 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



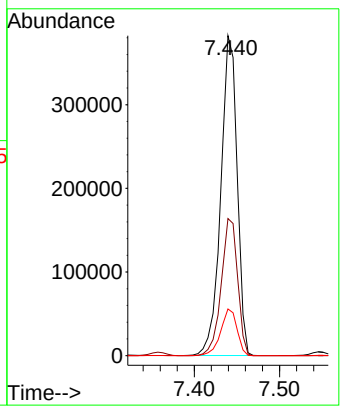


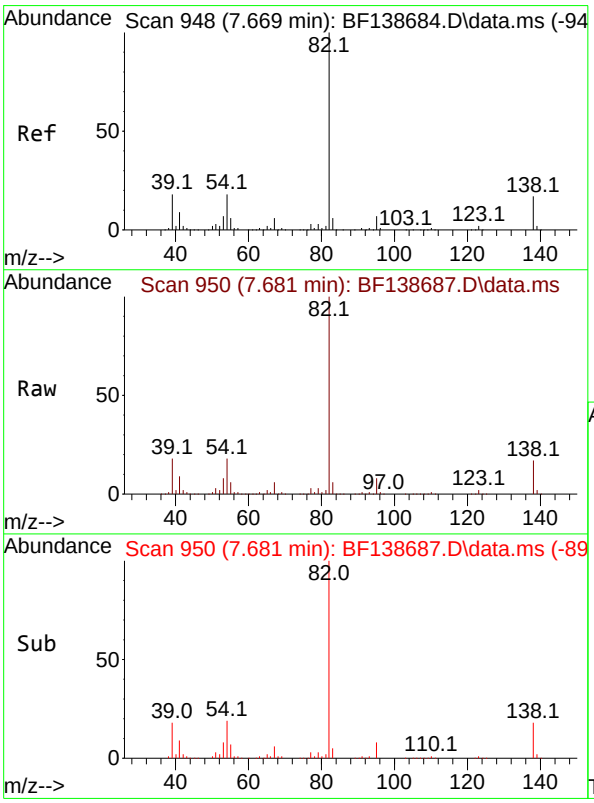
#24
Nitrobenzene
Concen: 77.019 ng
RT: 7.440 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

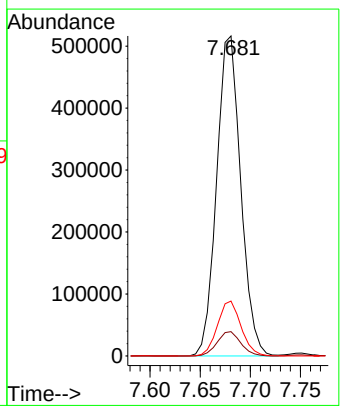


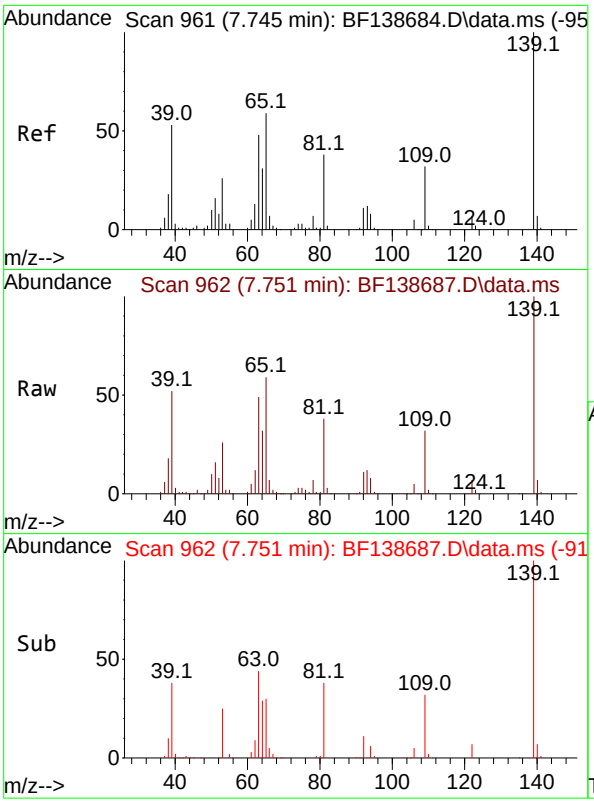


#25
Isophorone
Concen: 77.580 ng
RT: 7.681 min Scan# 950
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



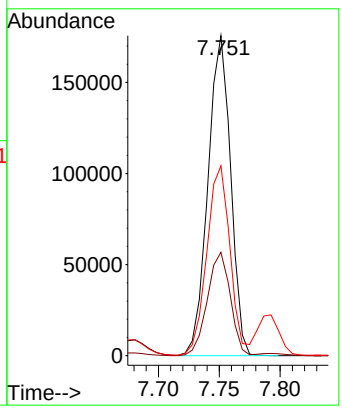


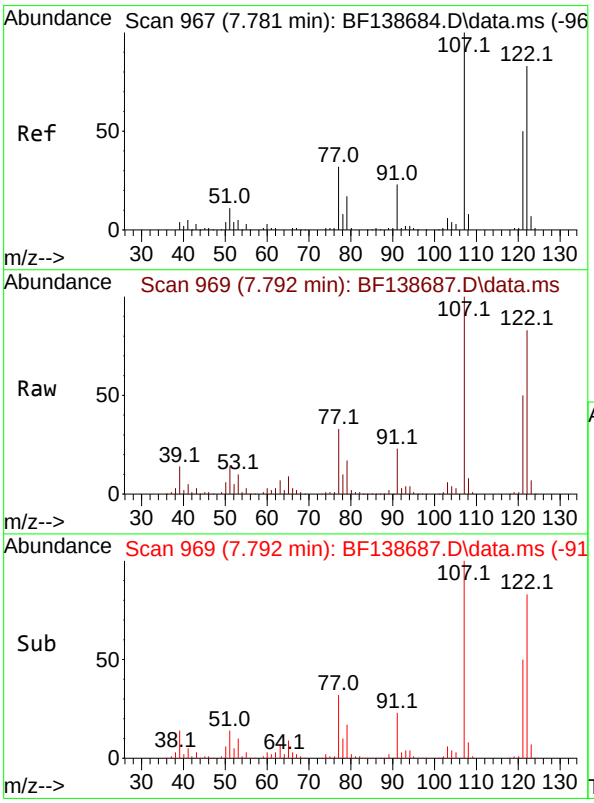
#26
2-Nitrophenol
Concen: 79.835 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

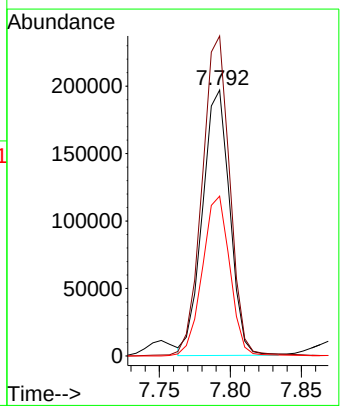


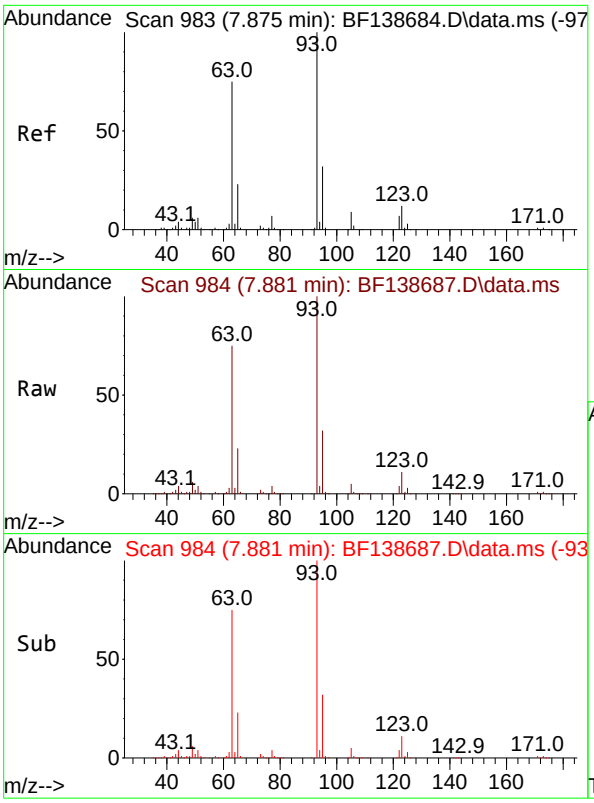


#27
2,4-Dimethylphenol
Concen: 77.265 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



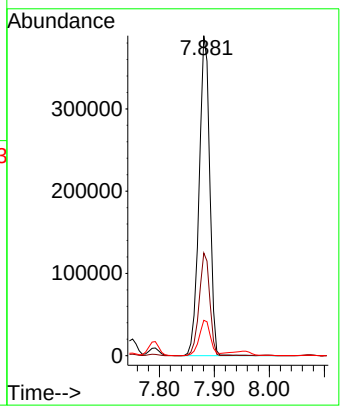


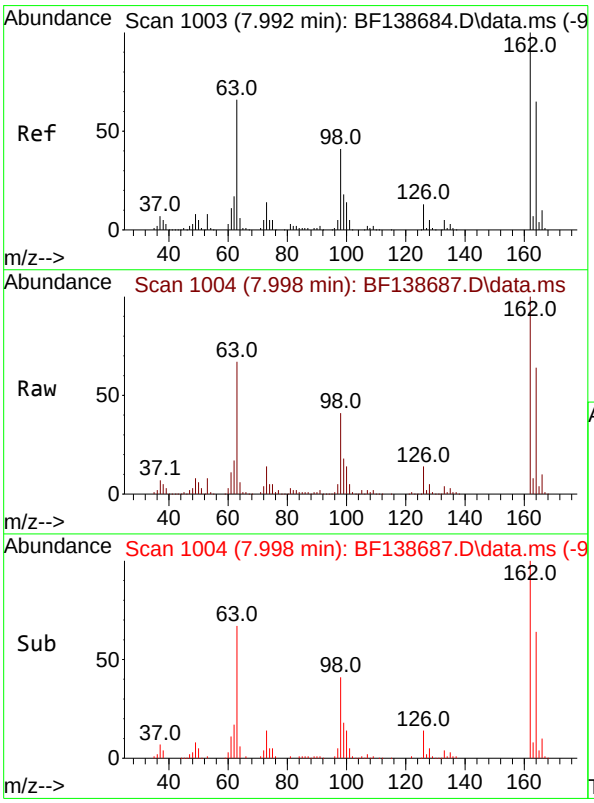
#28
bis(2-Chloroethoxy)methane
Concen: 77.190 ng
RT: 7.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

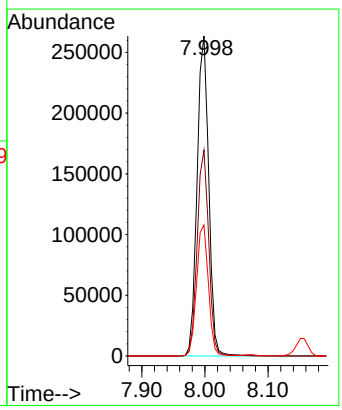


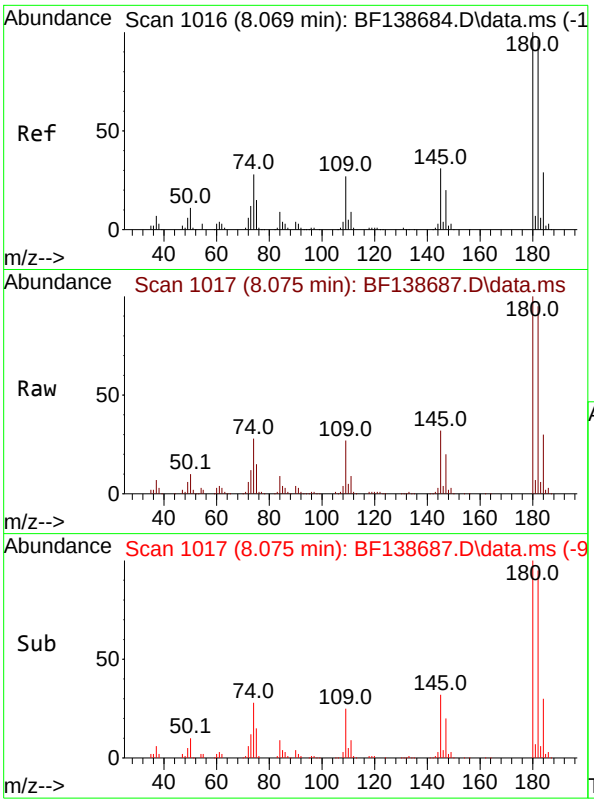


#29
2,4-Dichlorophenol
Concen: 76.805 ng
RT: 7.998 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



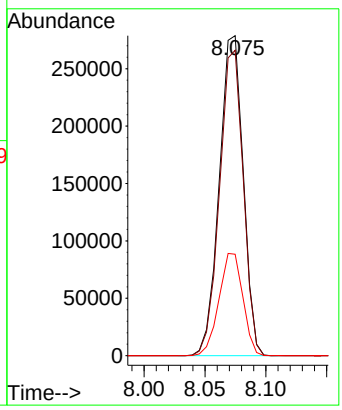


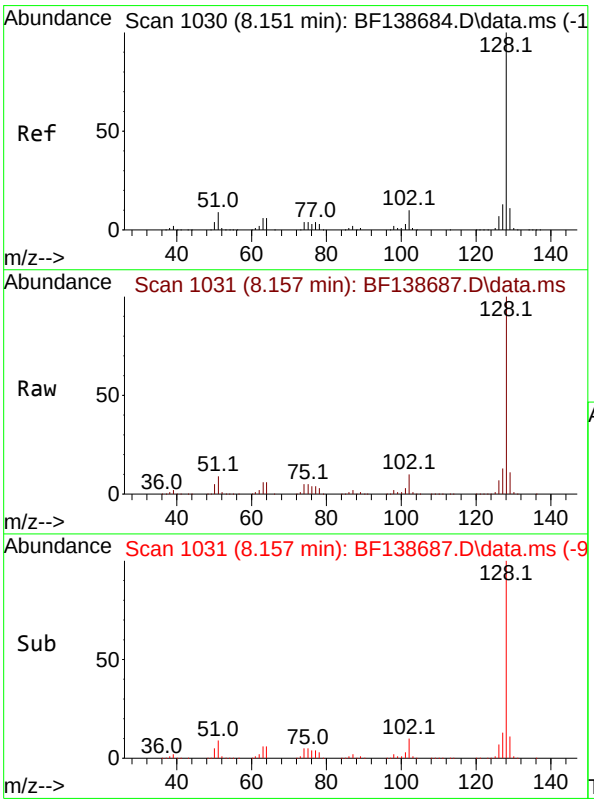
#30
1,2,4-Trichlorobenzene
Concen: 75.405 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

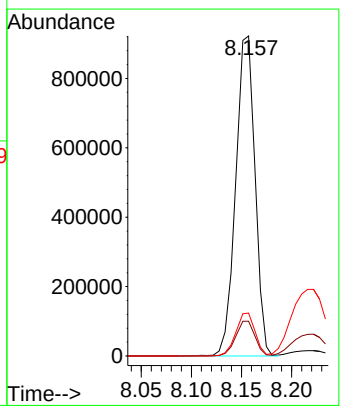


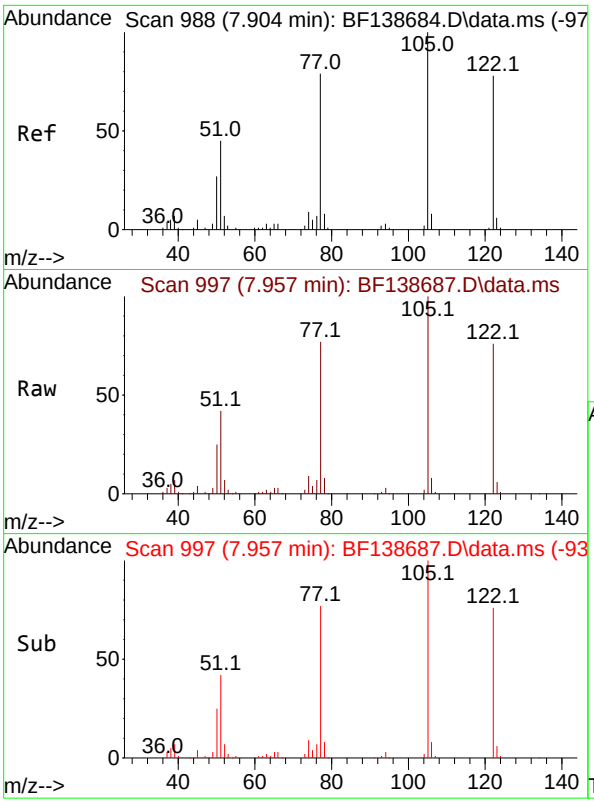


#31
Naphthalene
Concen: 74.139 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



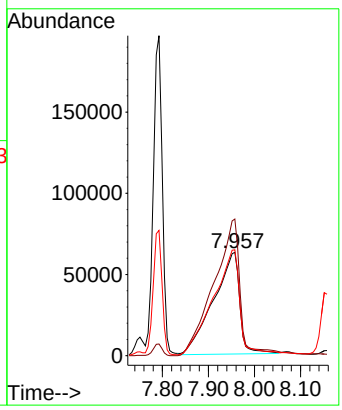


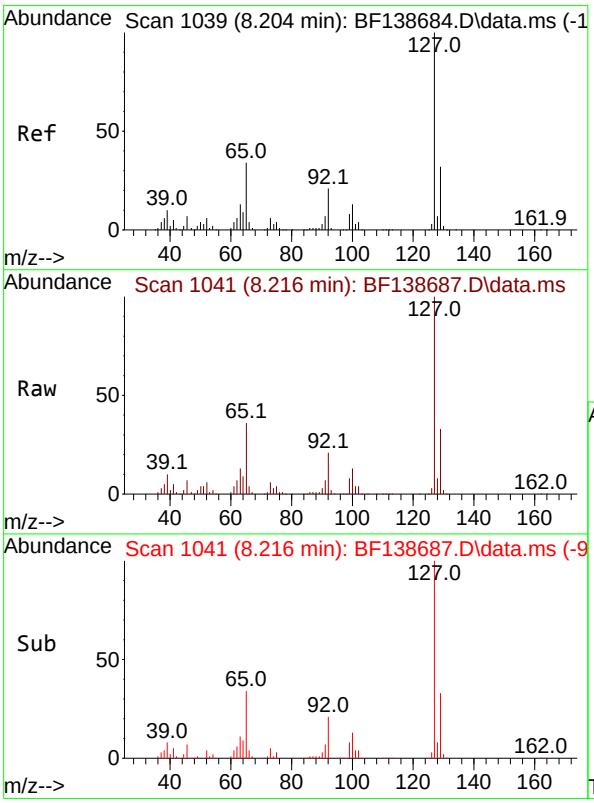
#32
Benzoic acid
Concen: 92.209 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.053 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

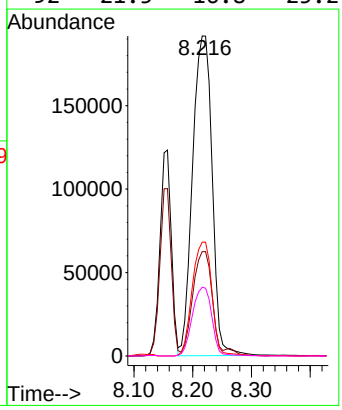


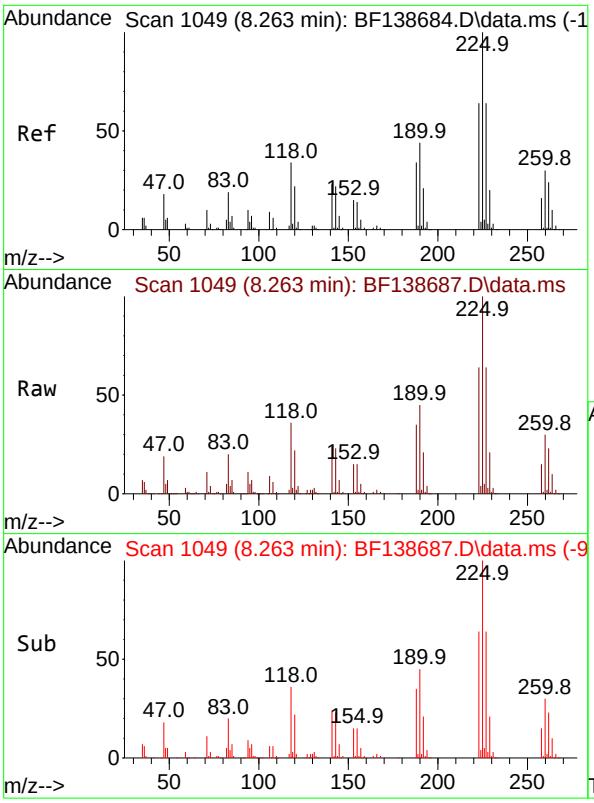


#33
4-Chloroaniline
Concen: 78.849 ng
RT: 8.216 min Scan# 1041
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



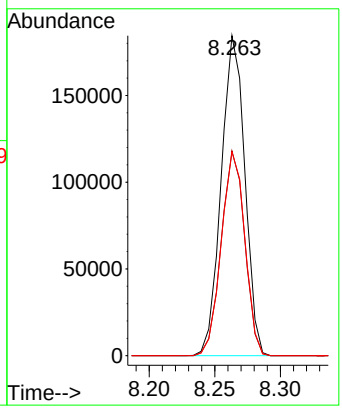


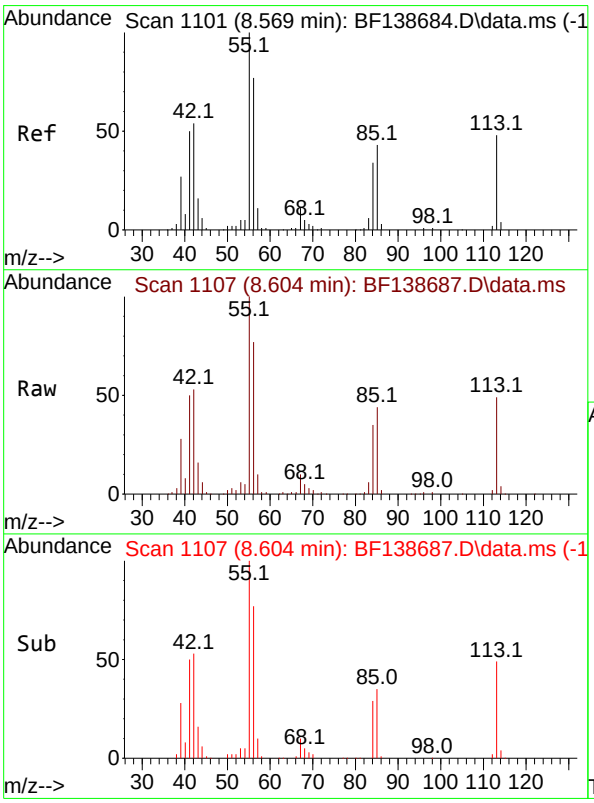
#34
Hexachlorobutadiene
Concen: 75.351 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

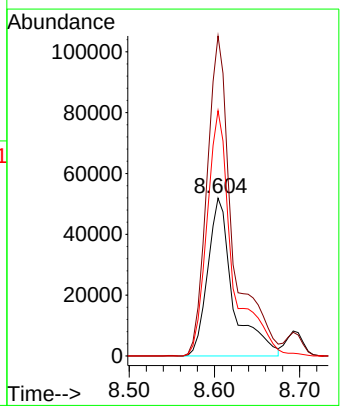


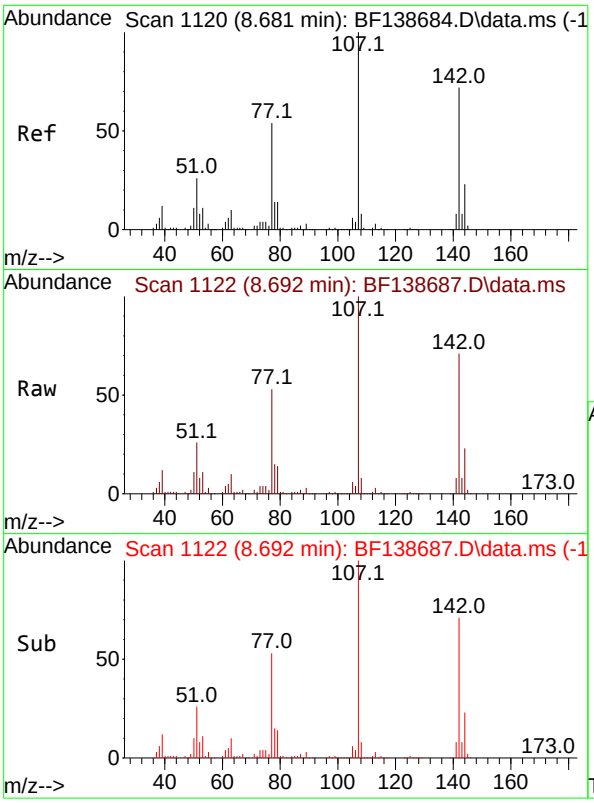


#35
Caprolactam
Concen: 82.539 ng
RT: 8.604 min Scan# 1107
Delta R.T. 0.035 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



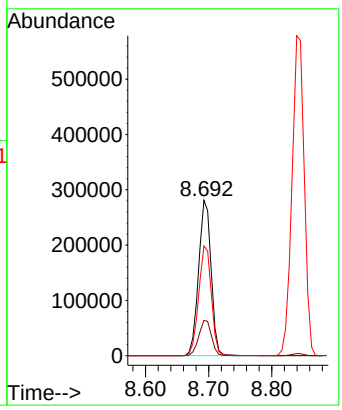


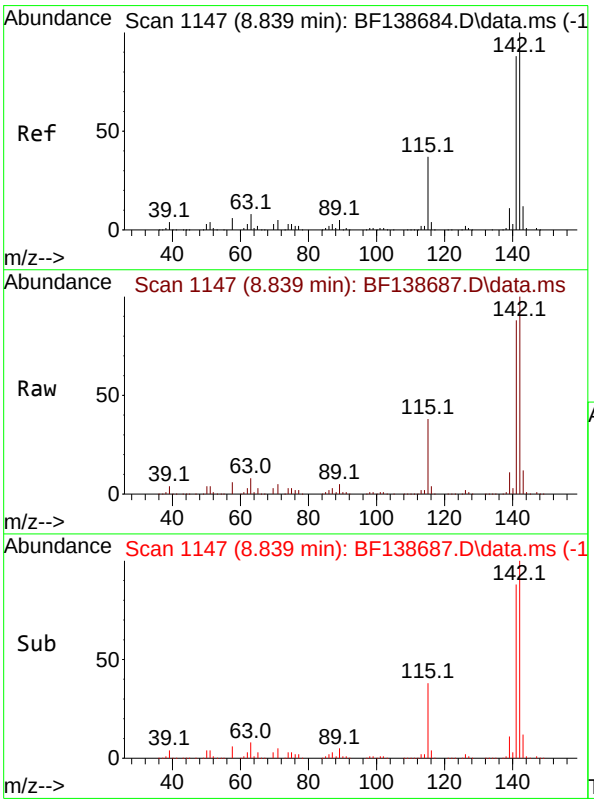
#36
4-Chloro-3-methylphenol
Concen: 77.158 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

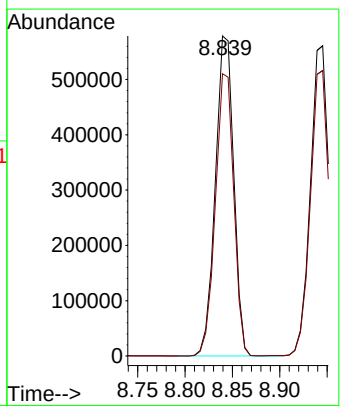


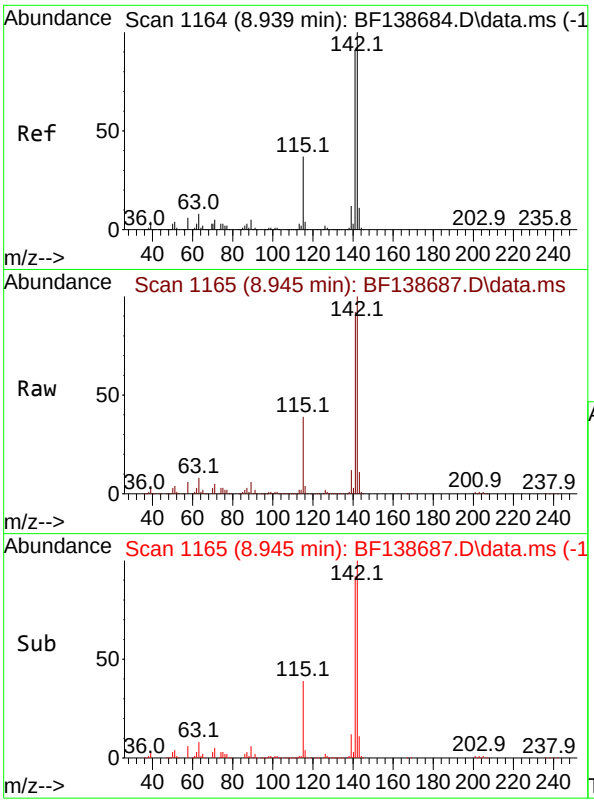


#37
2-Methylnaphthalene
Concen: 73.988 ng
RT: 8.839 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Tgt Ion:142 Resp: 782843

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2



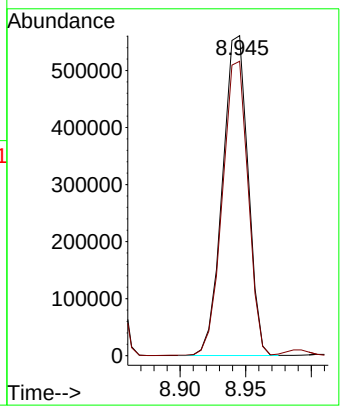


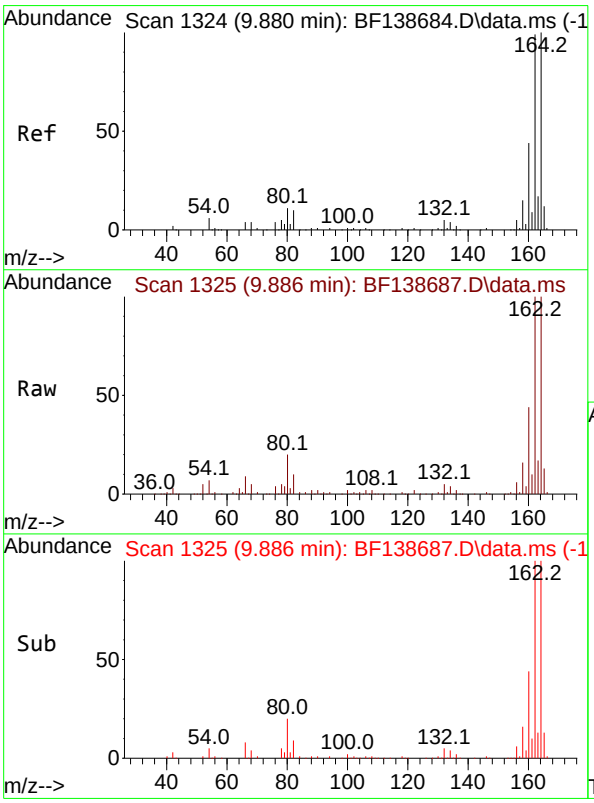
#38
1-Methylnaphthalene
Concen: 73.328 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 760272

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7

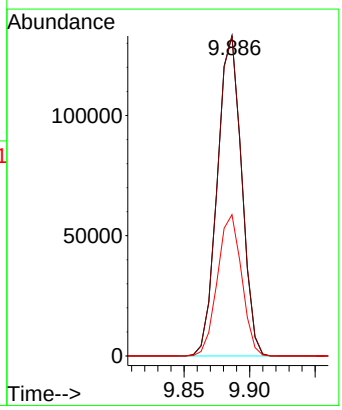


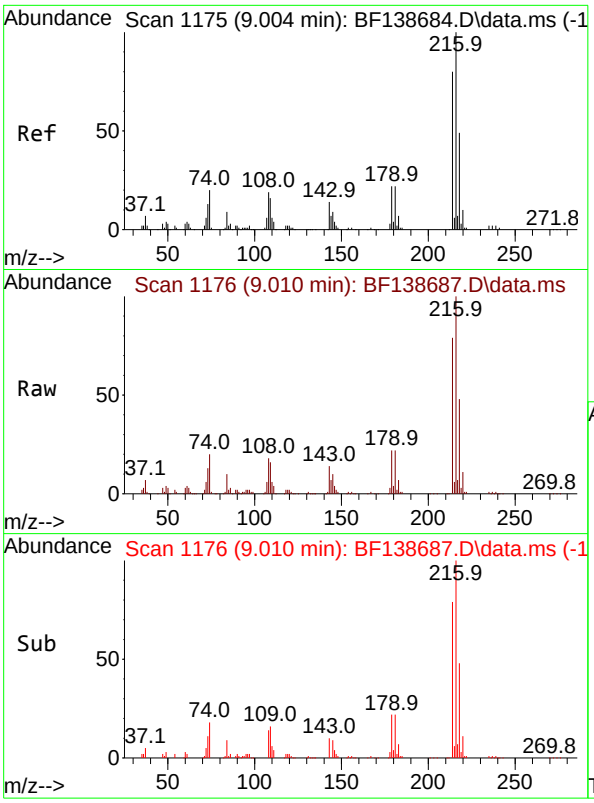


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



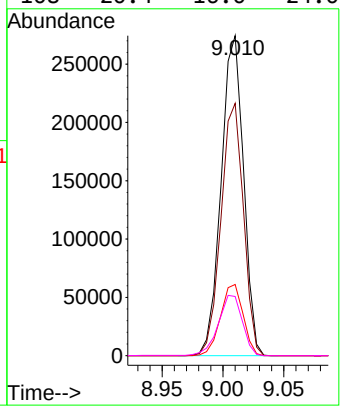


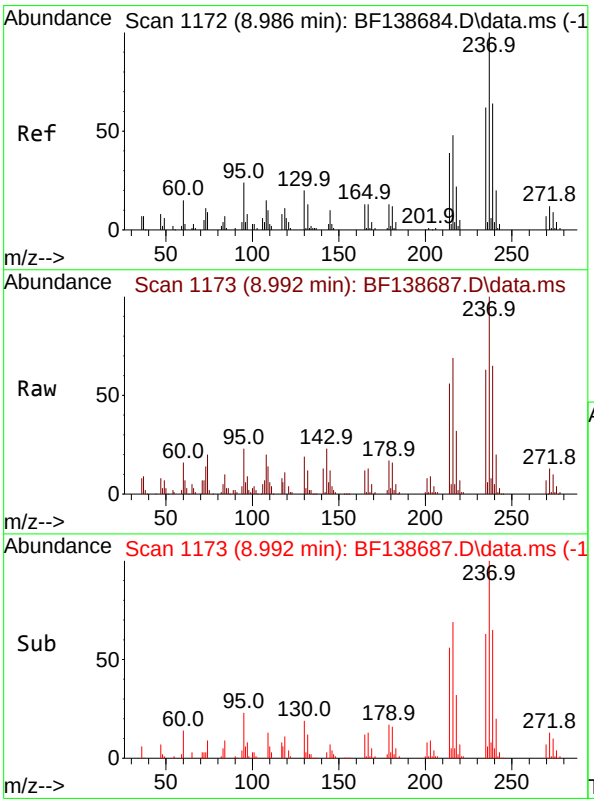
#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.196 ng
RT: 9.010 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

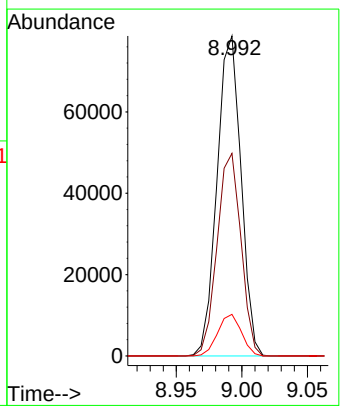


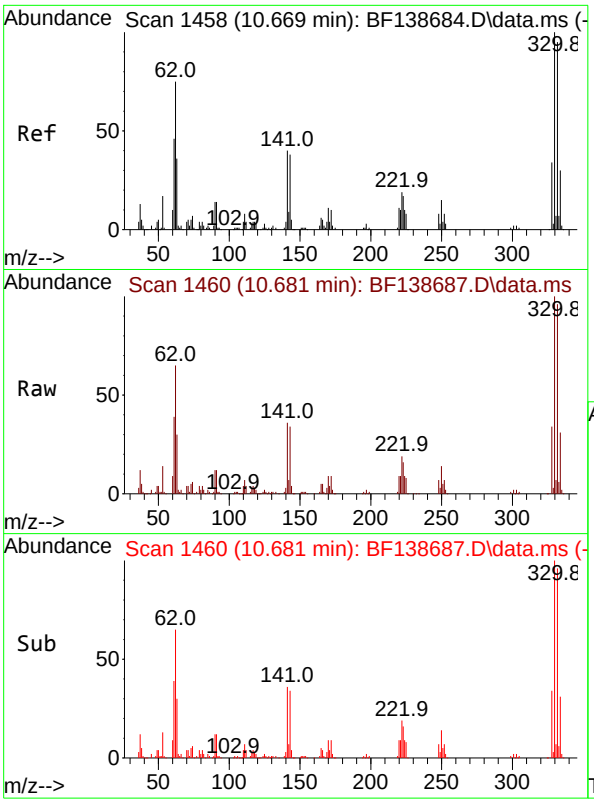


#41
Hexachlorocyclopentadiene
Concen: 79.729 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



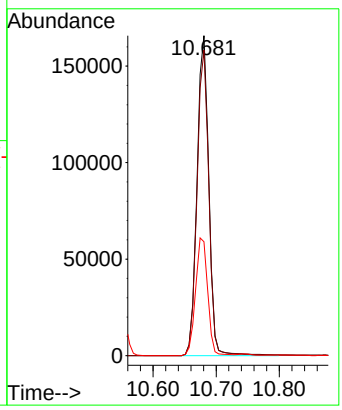


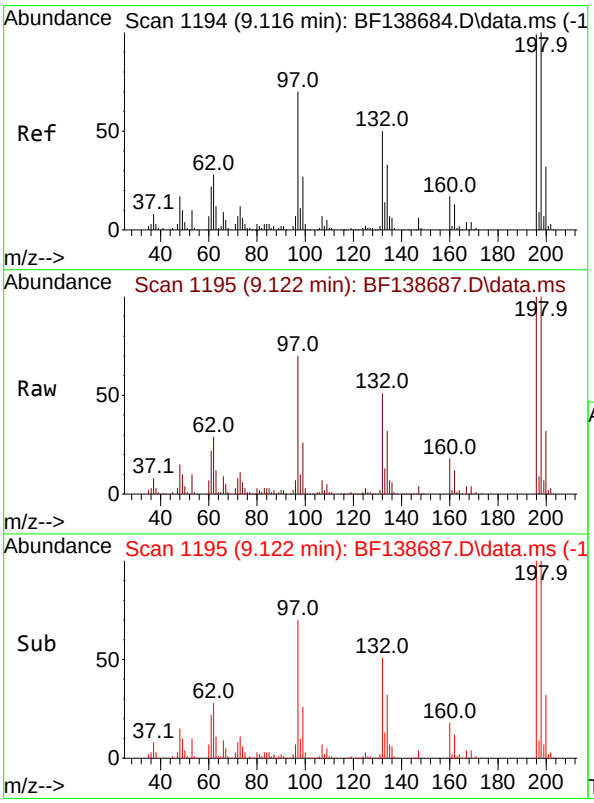
#42
2,4,6-Tribromophenol
Concen: 154.157 ng
RT: 10.681 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

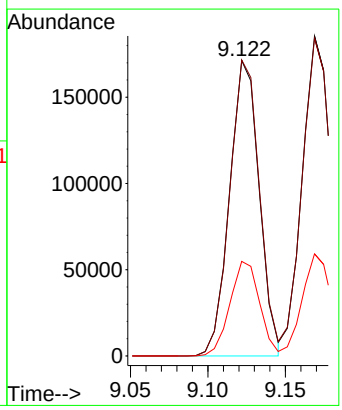


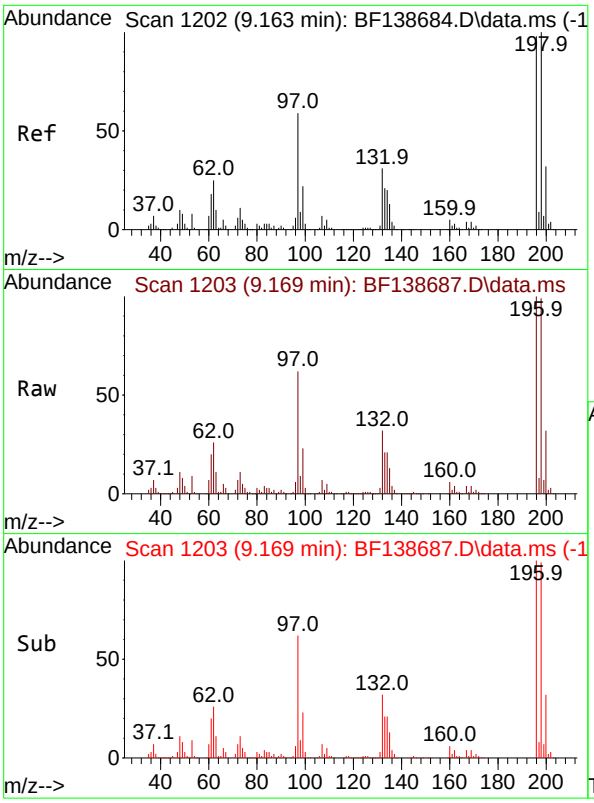


#43
2,4,6-Trichlorophenol
Concen: 78.913 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



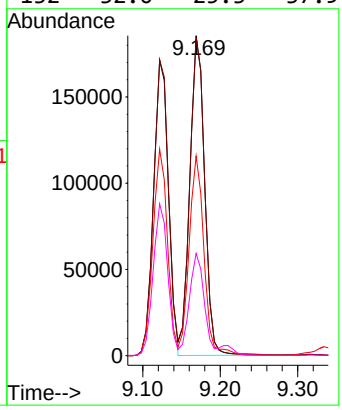


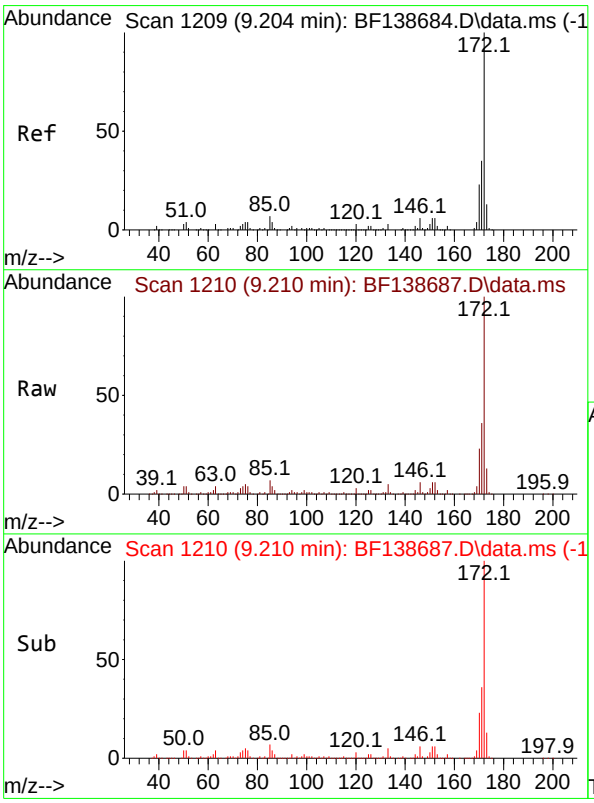
#44
2,4,5-Trichlorophenol
Concen: 77.822 ng
RT: 9.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

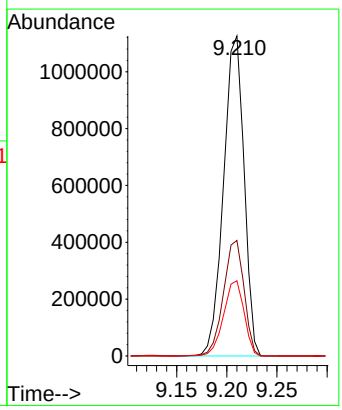


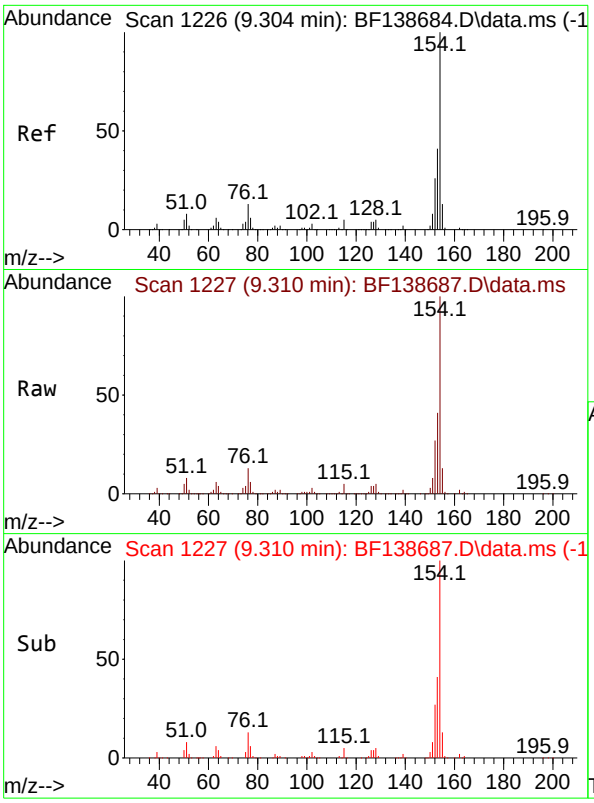


#45
2-Fluorobiphenyl
Concen: 140.843 ng
RT: 9.210 min Scan# 1210
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



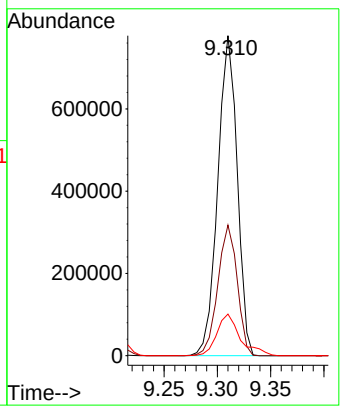


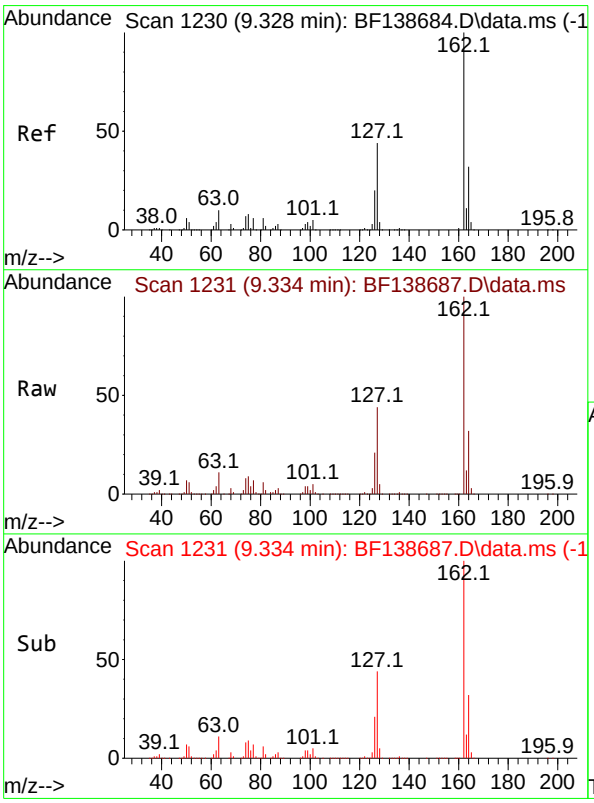
#46
1,1'-Biphenyl
Concen: 73.651 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

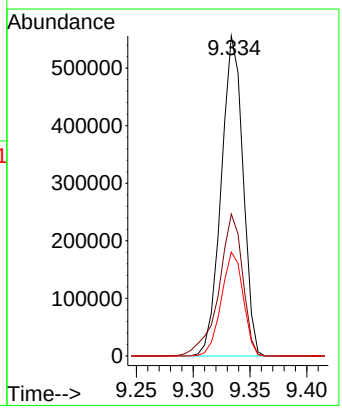


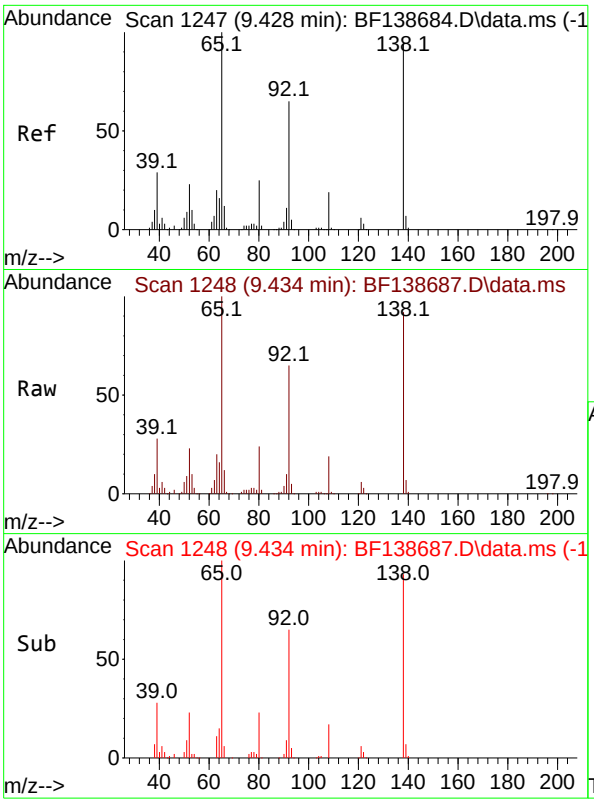


#47
2-Chloronaphthalene
Concen: 74.793 ng
RT: 9.334 min Scan# 1231
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



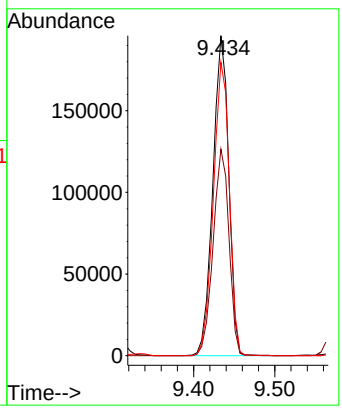


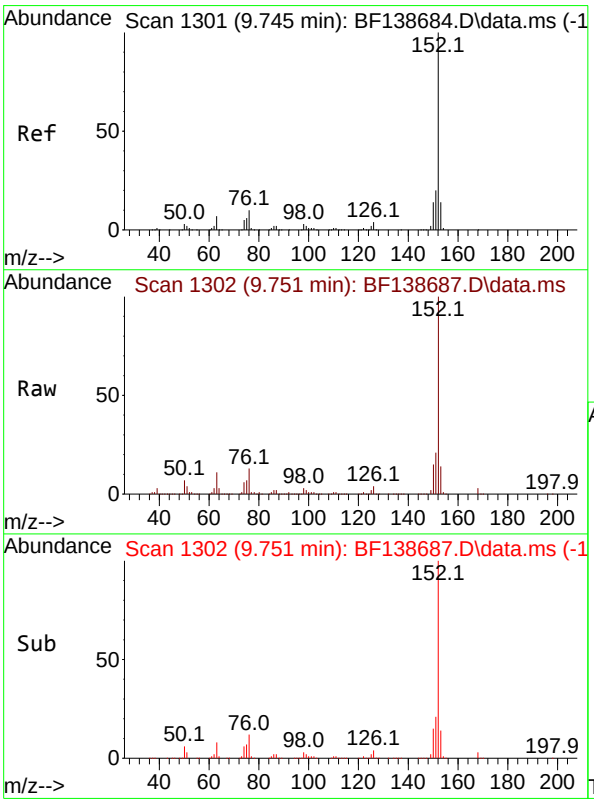
#48
2-Nitroaniline
Concen: 79.066 ng
RT: 9.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

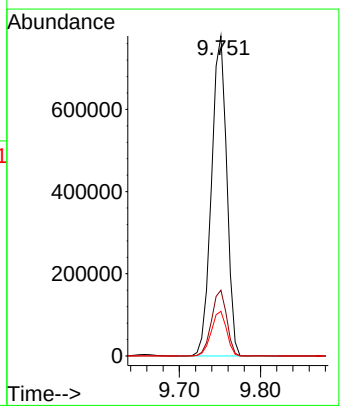


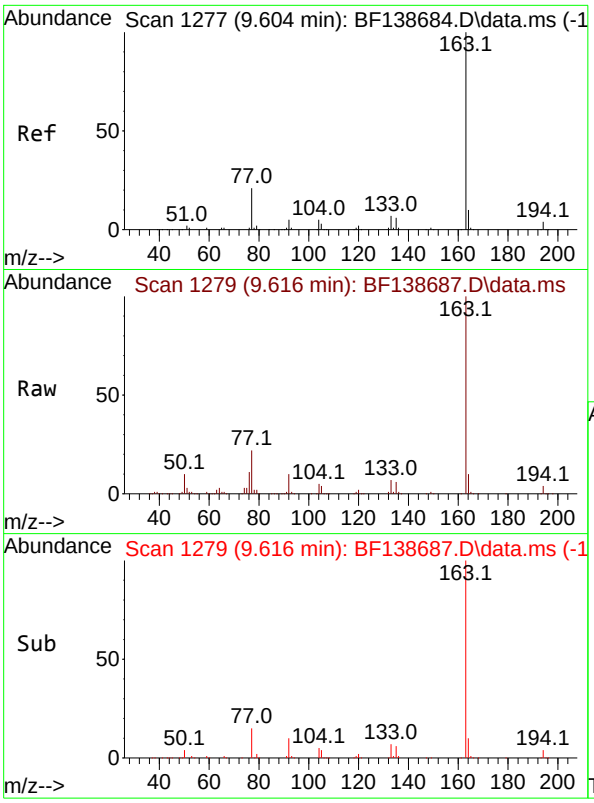


#49
Acenaphthylene
Concen: 71.944 ng
RT: 9.751 min Scan# 1302
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



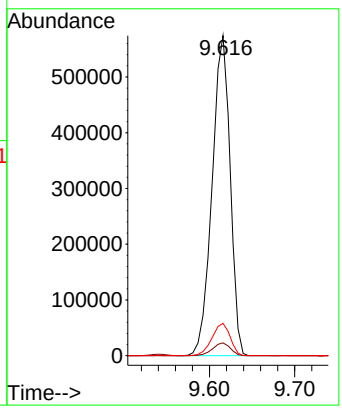


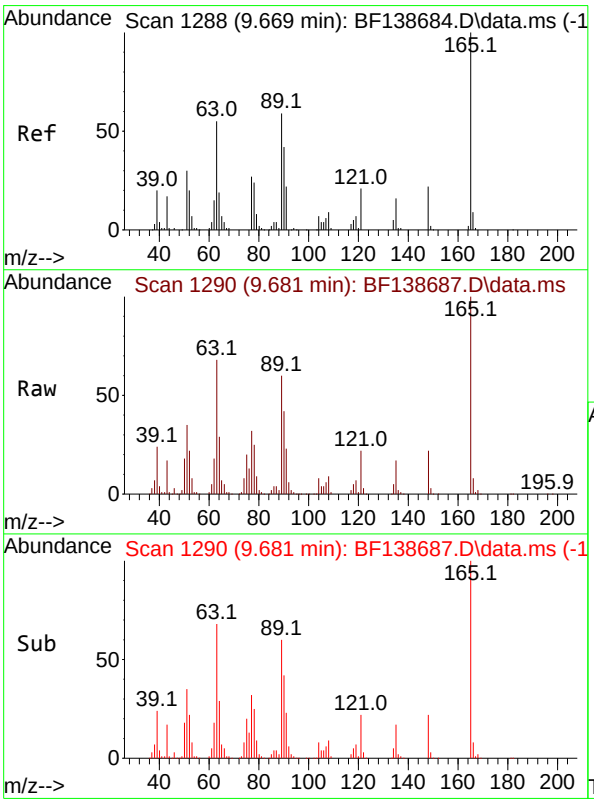
#50
Dimethylphthalate
Concen: 77.379 ng
RT: 9.616 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

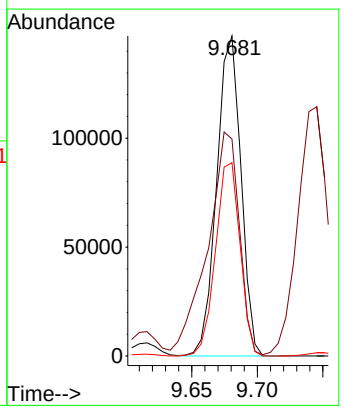


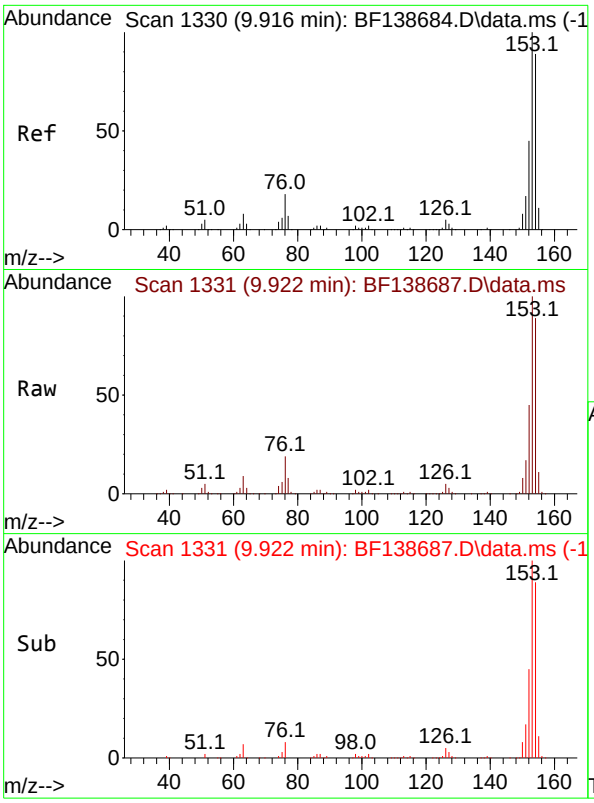


#51
2,6-Dinitrotoluene
Concen: 76.868 ng
RT: 9.681 min Scan# 1290
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



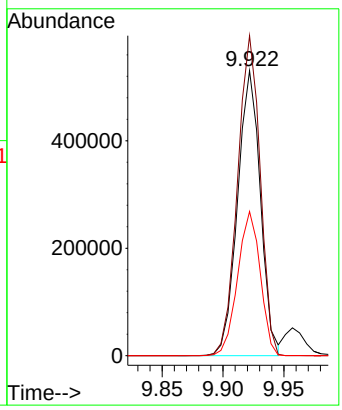


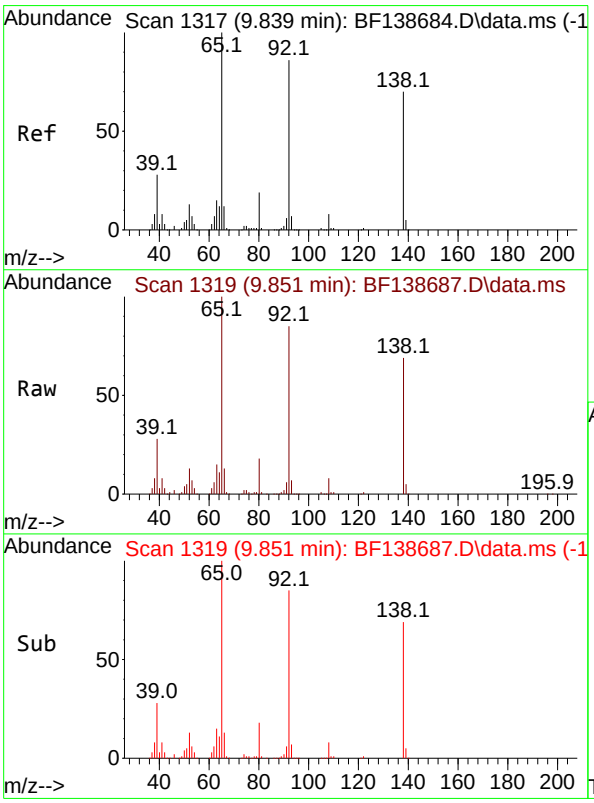
#52
Acenaphthene
Concen: 73.198 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

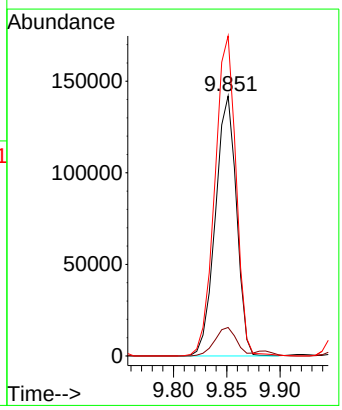


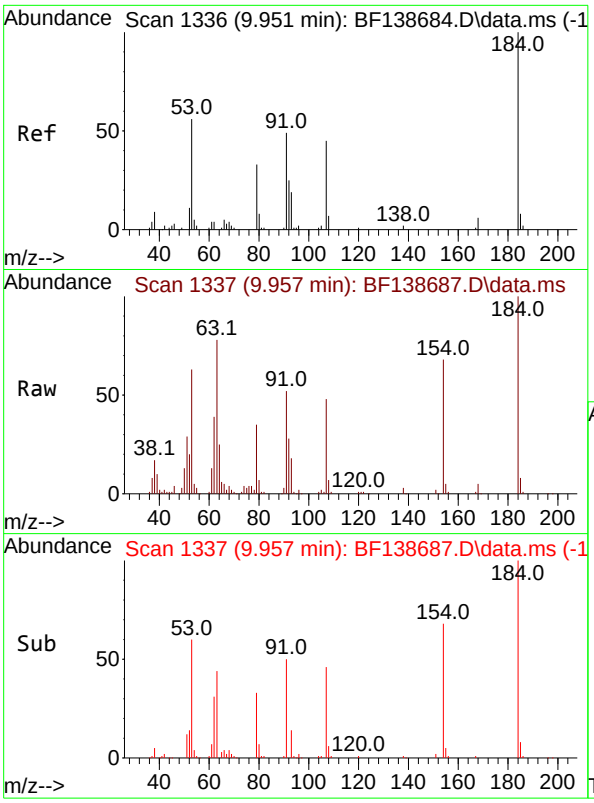


#53
3-Nitroaniline
Concen: 76.581 ng
RT: 9.851 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



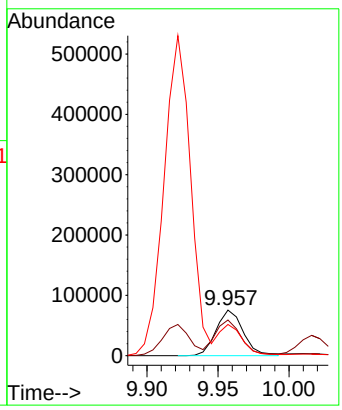


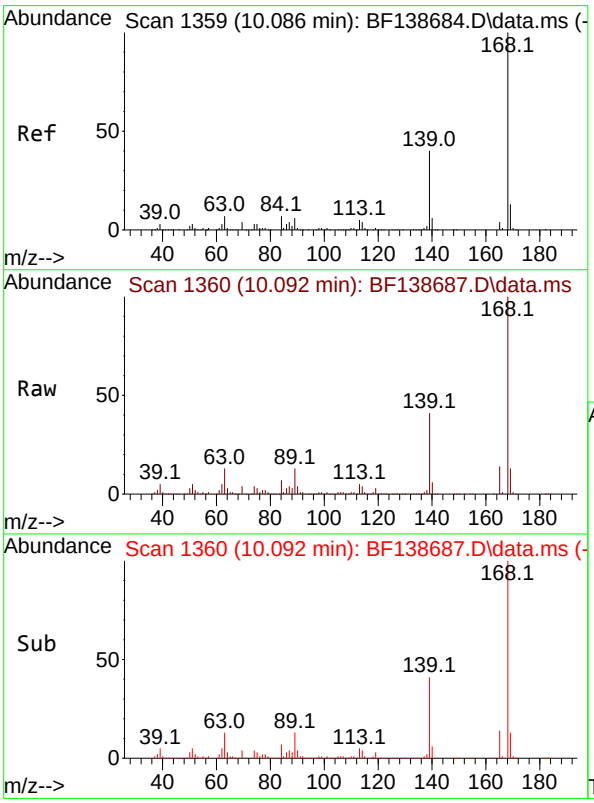
#54
2,4-Dinitrophenol
Concen: 88.986 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

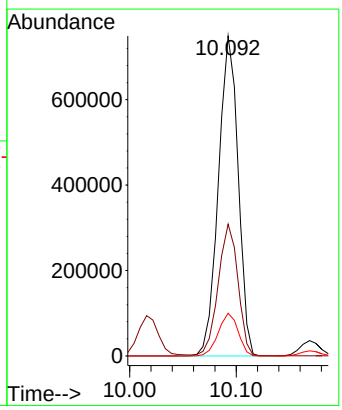


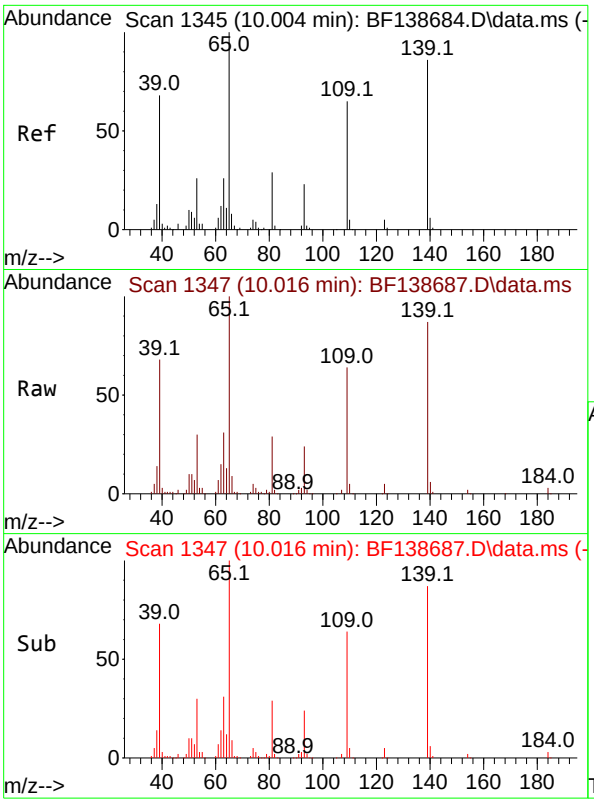


#55
Dibenzofuran
Concen: 72.071 ng
RT: 10.092 min Scan# 1360
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



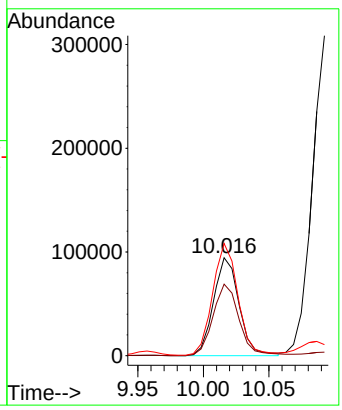


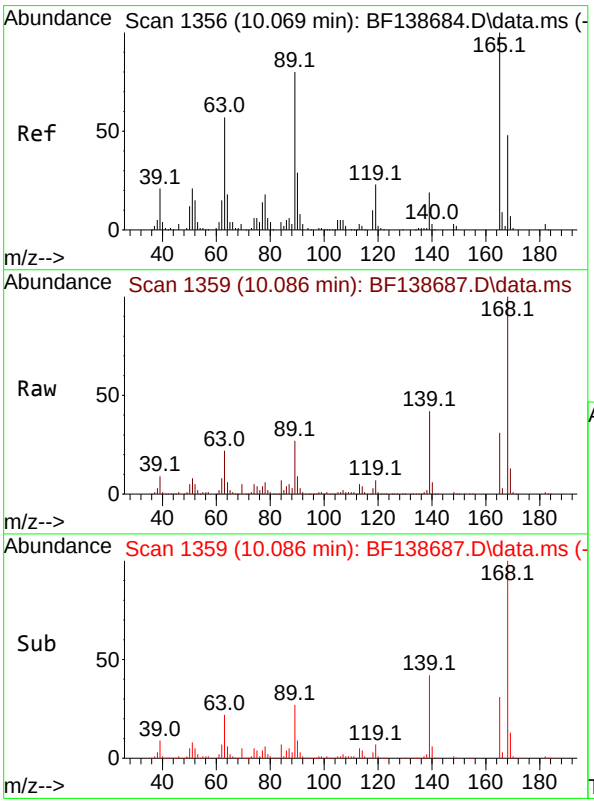
#56
4-Nitrophenol
Concen: 83.411 ng
RT: 10.016 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

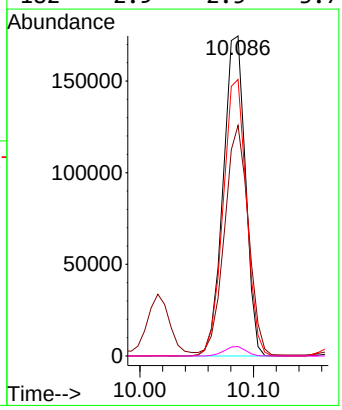


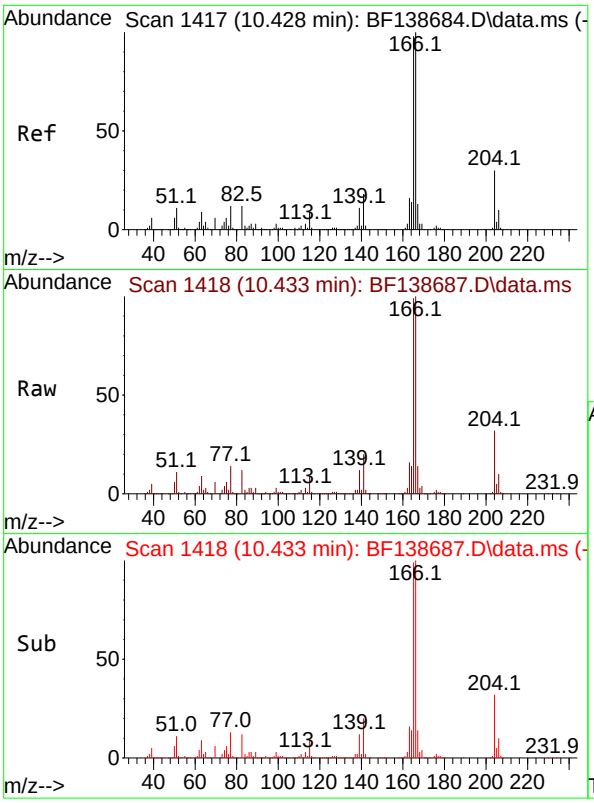


#57
2,4-Dinitrotoluene
Concen: 75.642 ng
RT: 10.086 min Scan# 1359
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



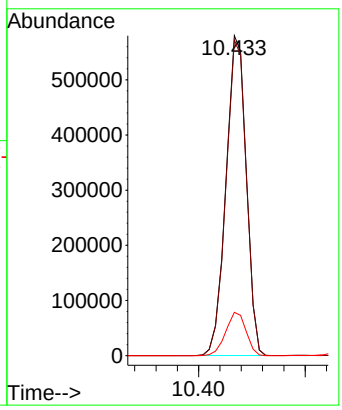


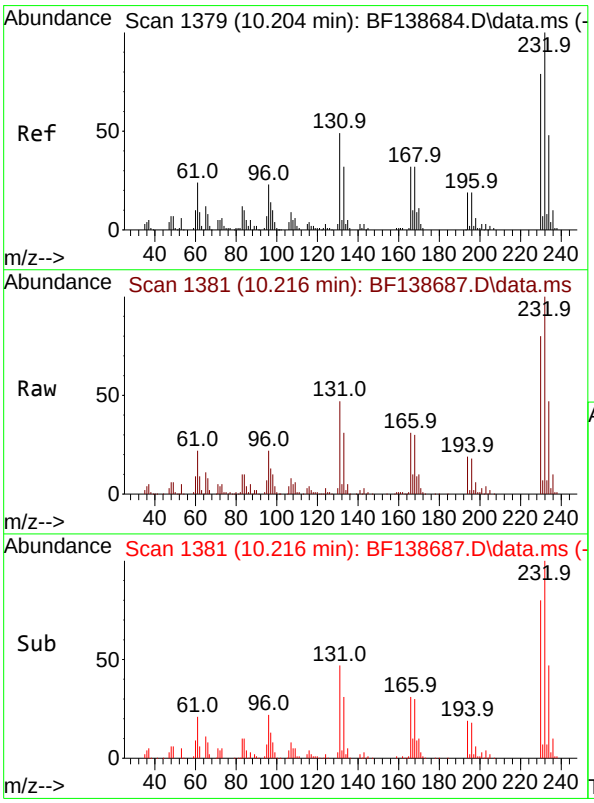
#58
Fluorene
Concen: 72.188 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

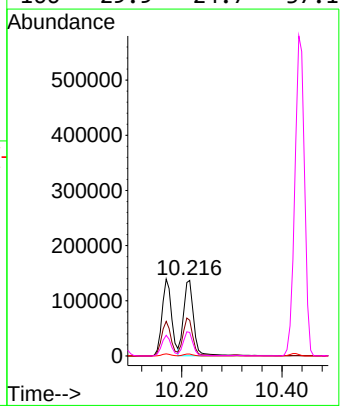


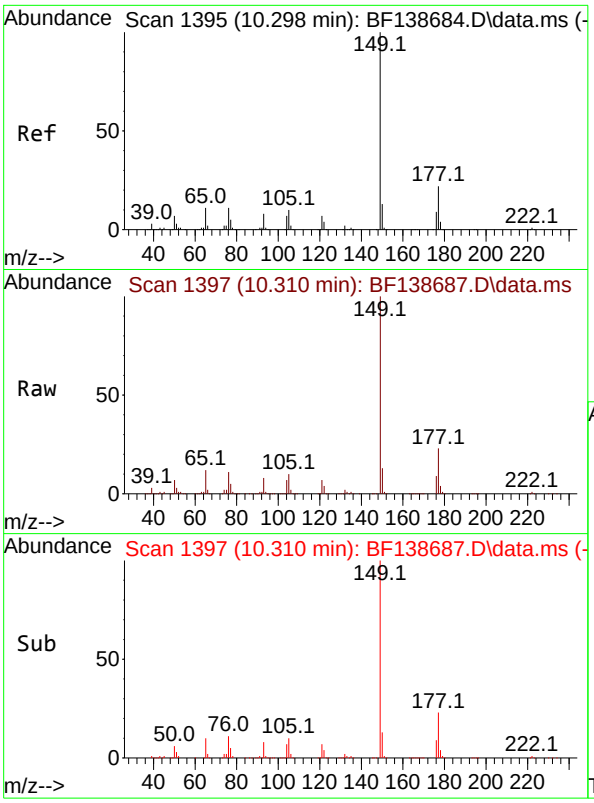


#59
2,3,4,6-Tetrachlorophenol
Concen: 79.721 ng
RT: 10.216 min Scan# 1381
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



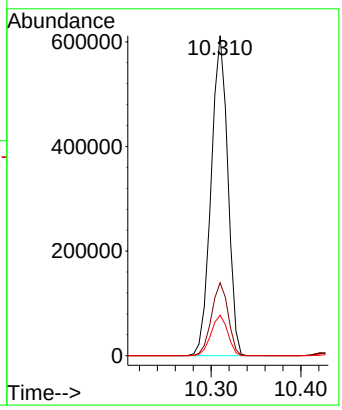


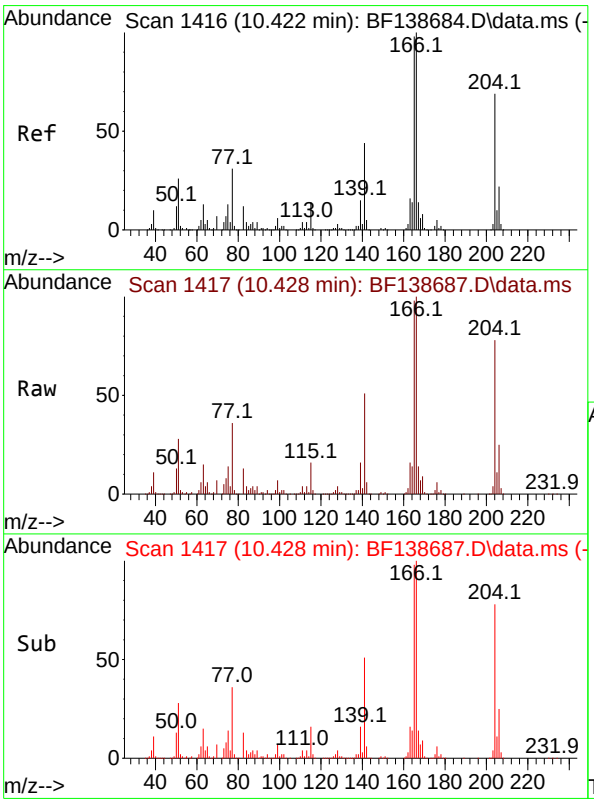
#60
Diethylphthalate
Concen: 76.270 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

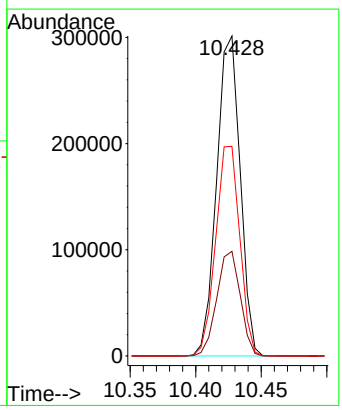


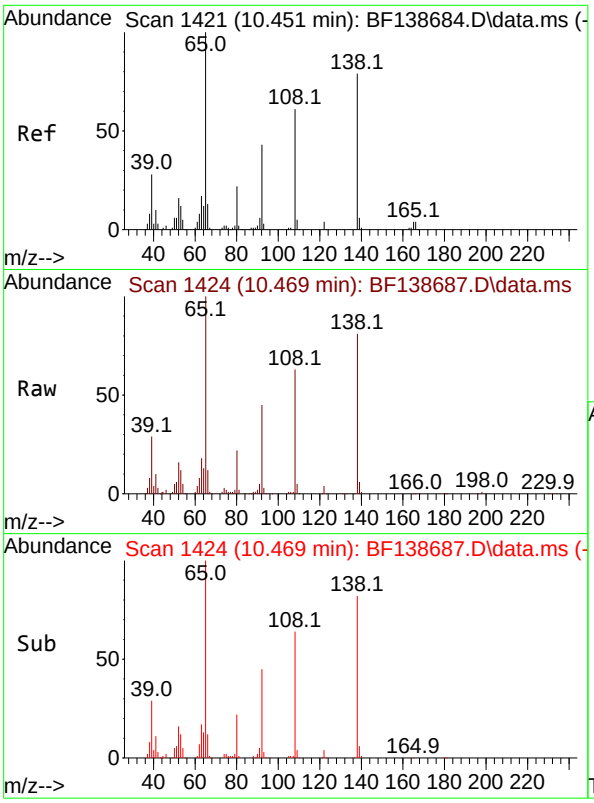


#61
4-Chlorophenyl-phenylether
Concen: 71.847 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



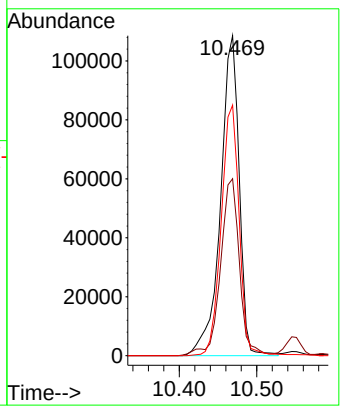


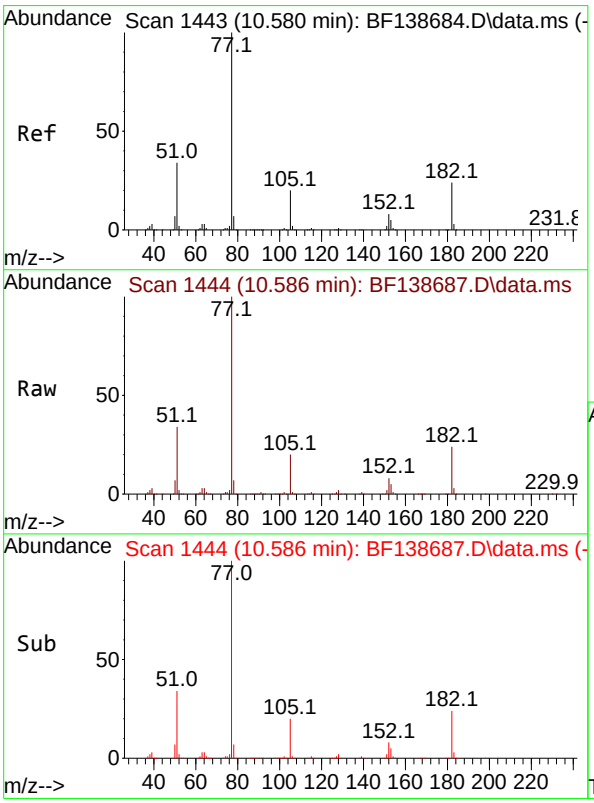
#62
4-Nitroaniline
Concen: 75.227 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

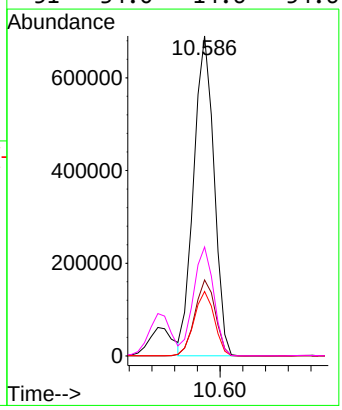


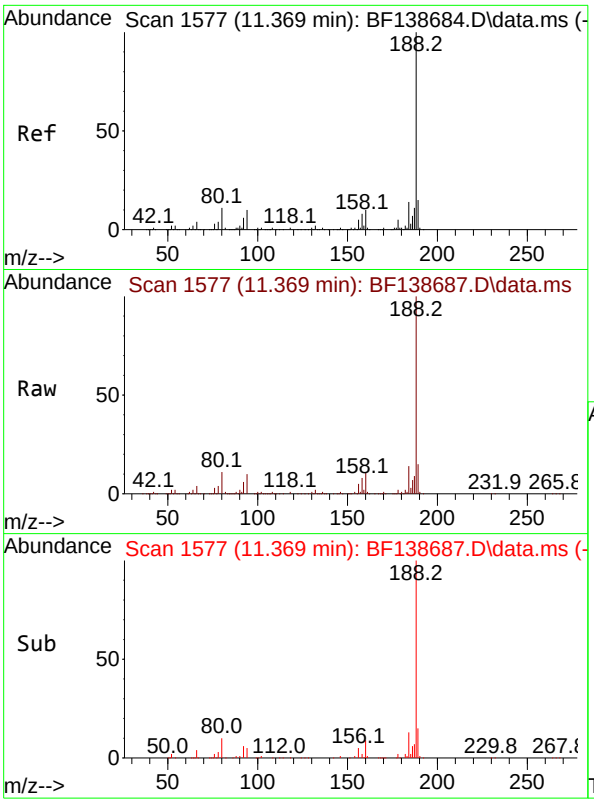


#63
Azobenzene
Concen: 74.806 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



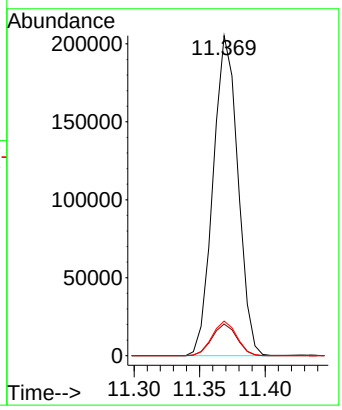


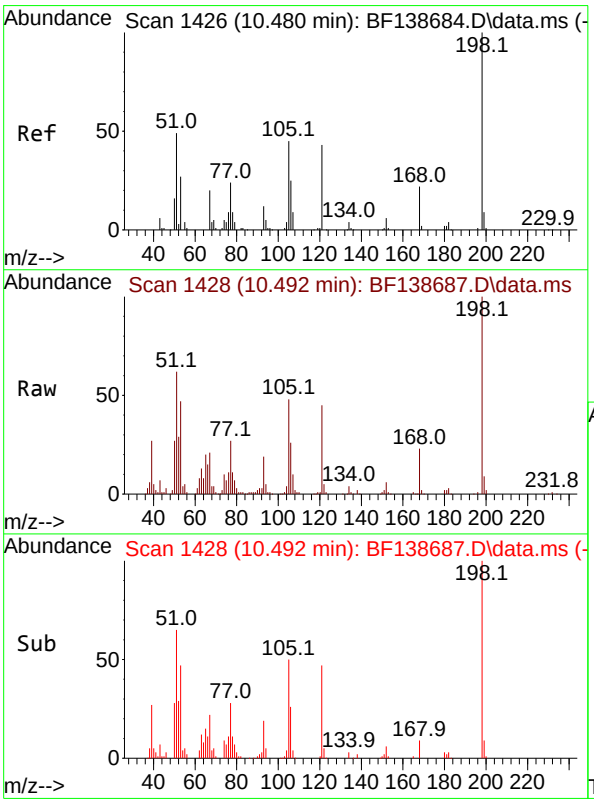
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

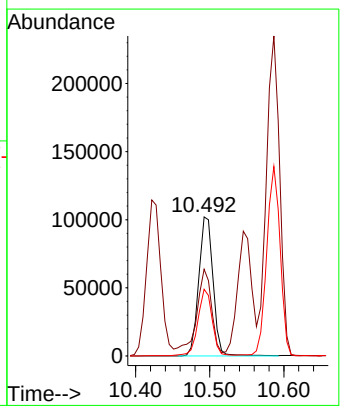


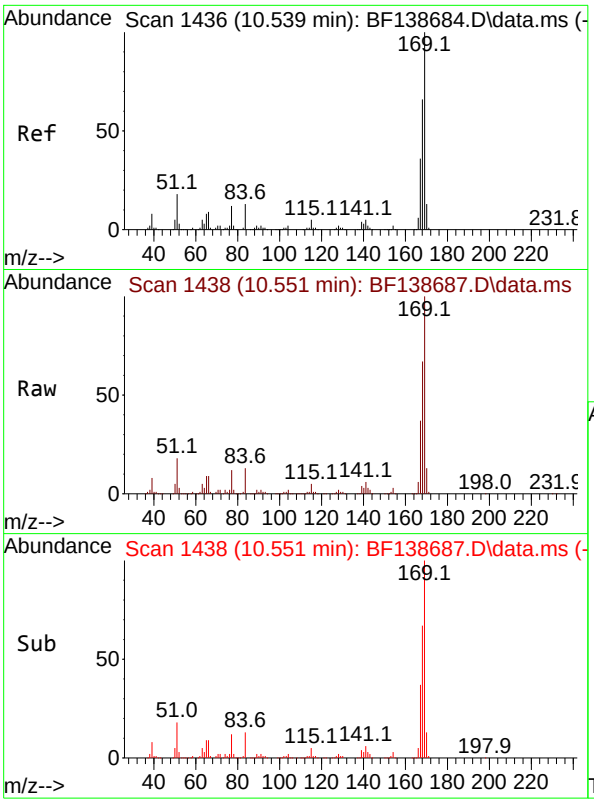


#65
4,6-Dinitro-2-methylphenol
Concen: 83.368 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



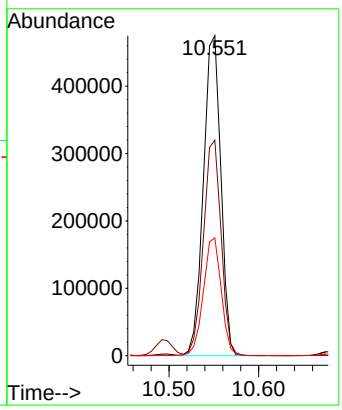


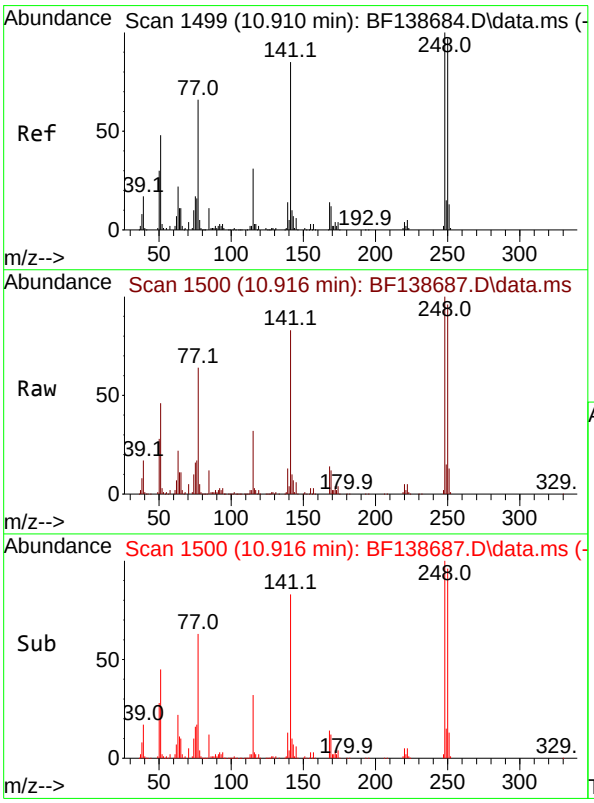
#66
n-Nitrosodiphenylamine
Concen: 76.022 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

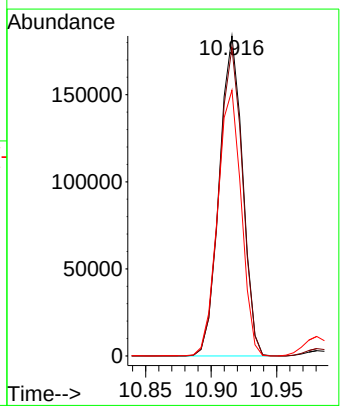


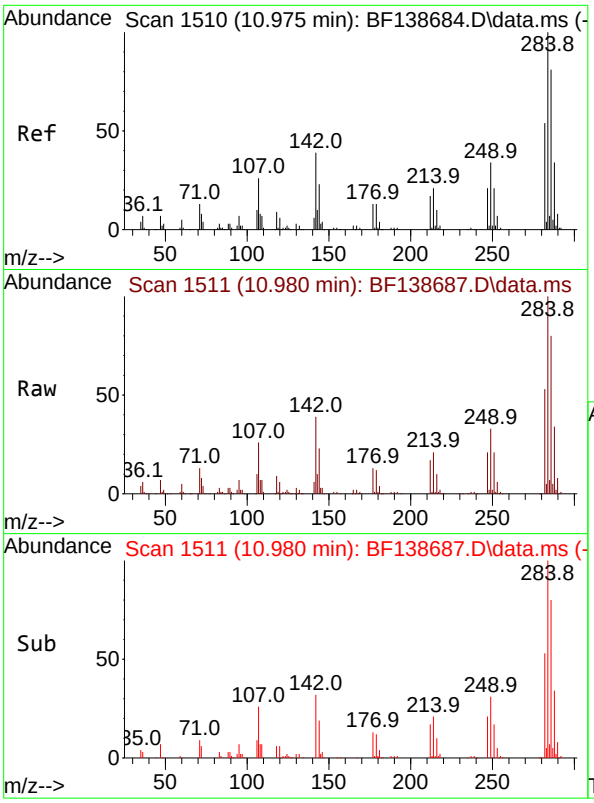


#67
4-Bromophenyl-phenylether
Concen: 77.318 ng
RT: 10.916 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



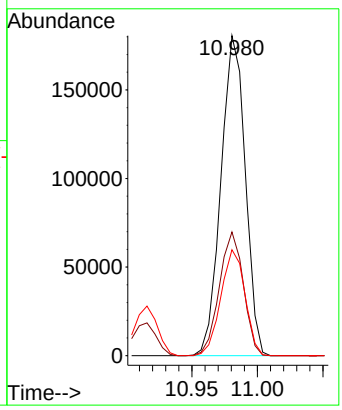


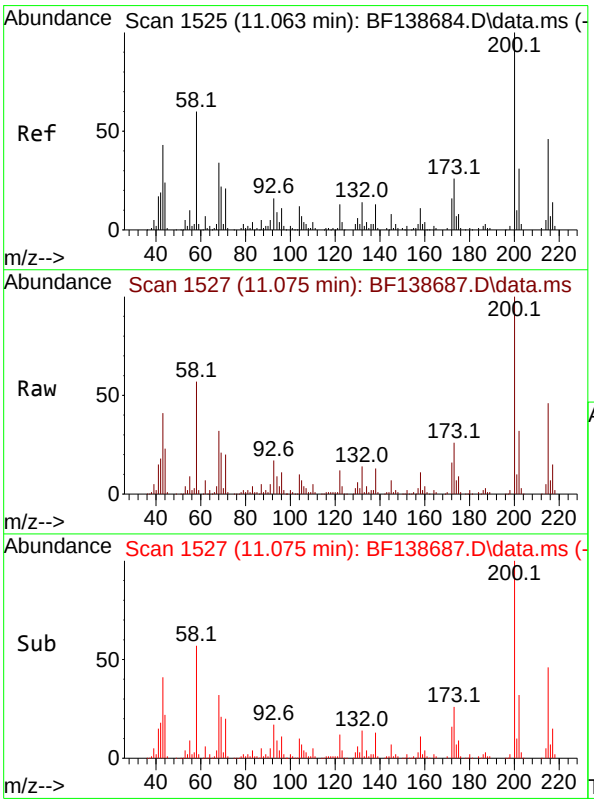
#68
Hexachlorobenzene
Concen: 77.158 ng
RT: 10.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

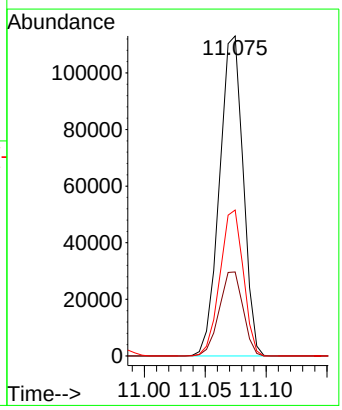


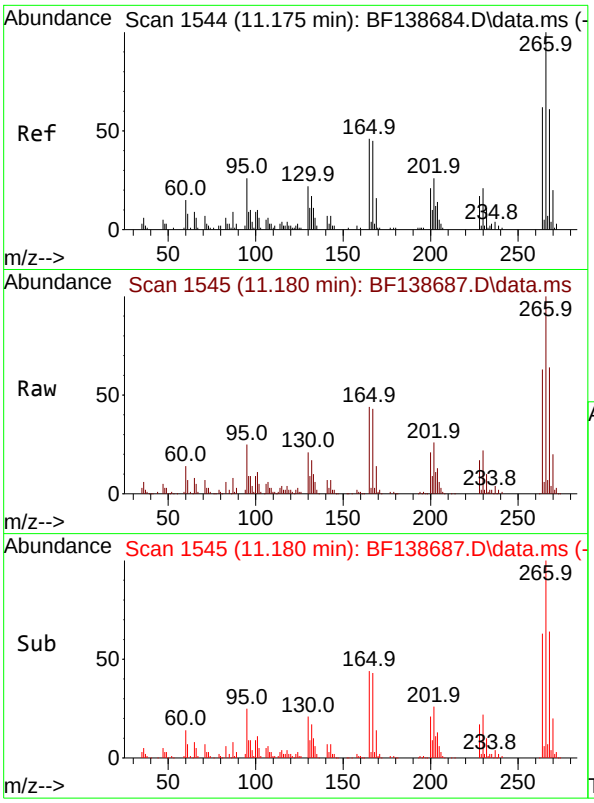


#69
Atrazine
Concen: 70.122 ng
RT: 11.075 min Scan# 1527
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



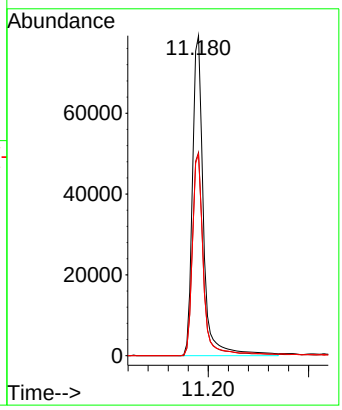


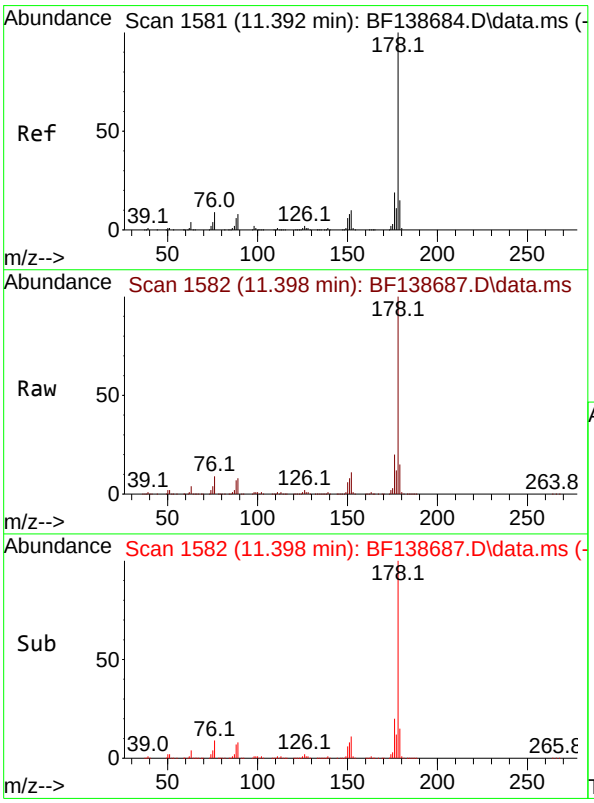
#70
Pentachlorophenol
Concen: 88.455 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

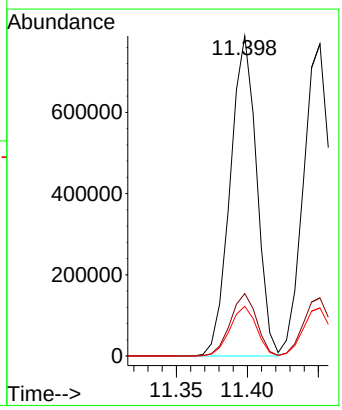


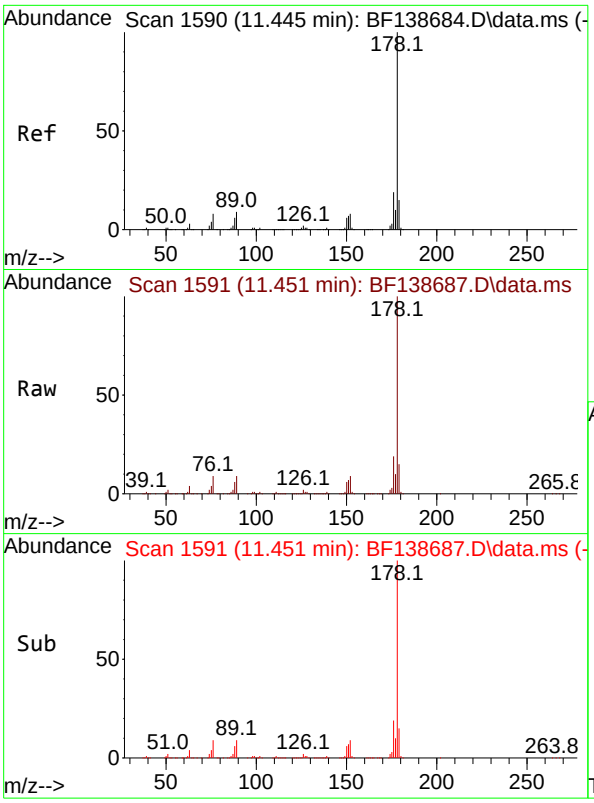


#71
Phenanthrene
Concen: 73.341 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



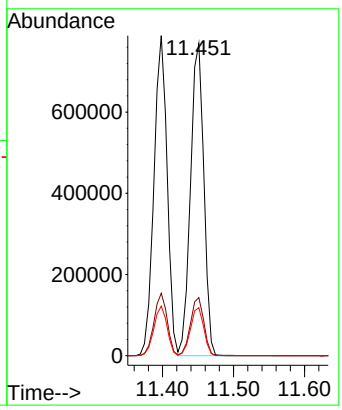


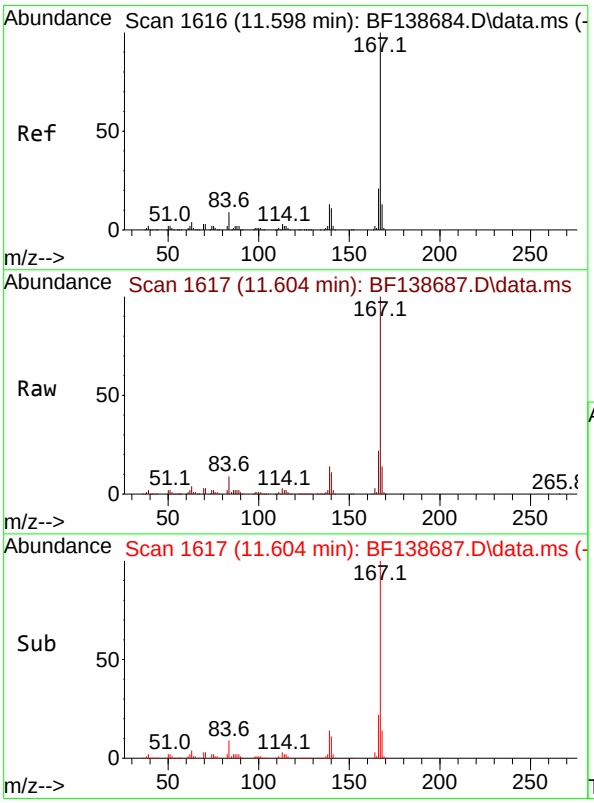
#72
Anthracene
Concen: 73.356 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

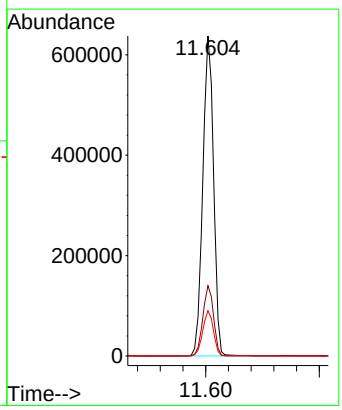


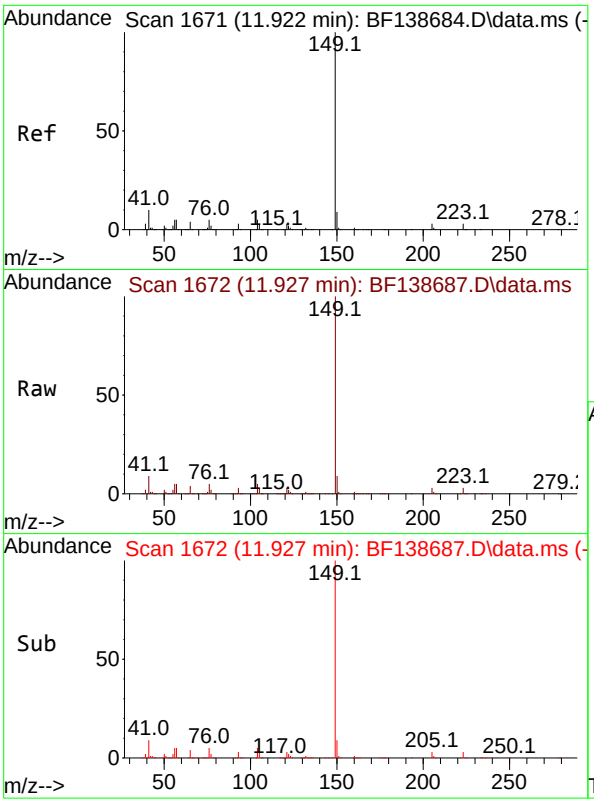


#73
Carbazole
Concen: 70.750 ng
RT: 11.604 min Scan# 1617
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



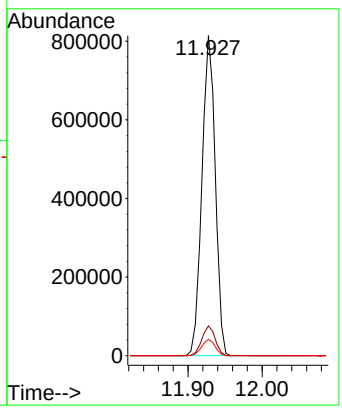


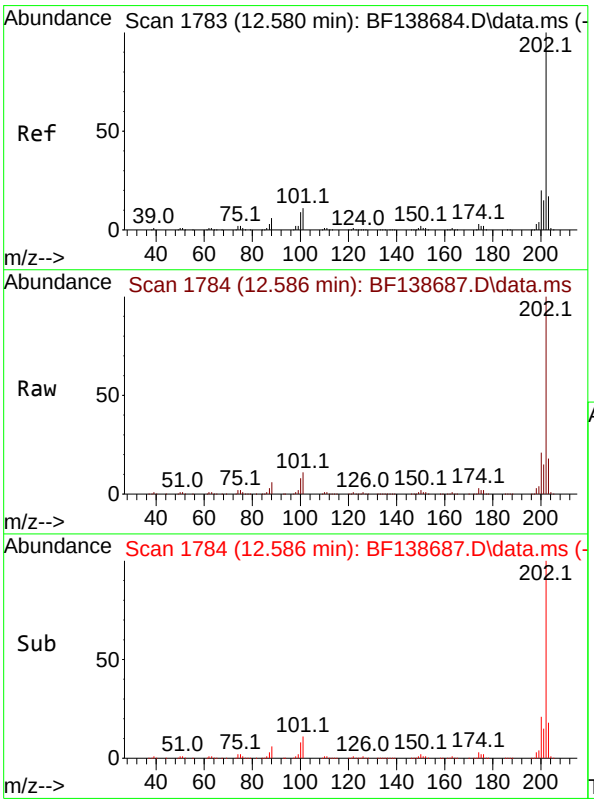
#74
Di-n-butylphthalate
Concen: 76.505 ng
RT: 11.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

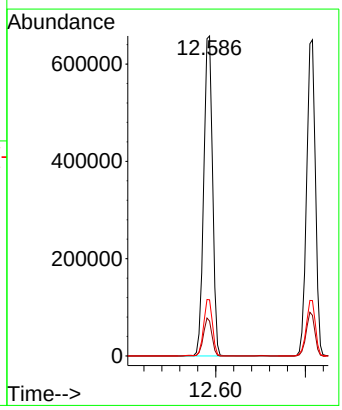


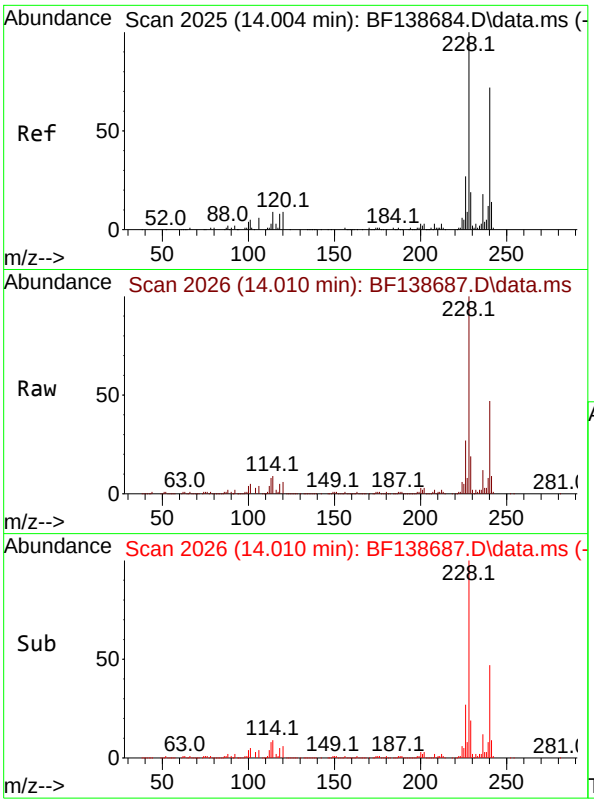


#75
Fluoranthene
Concen: 68.843 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



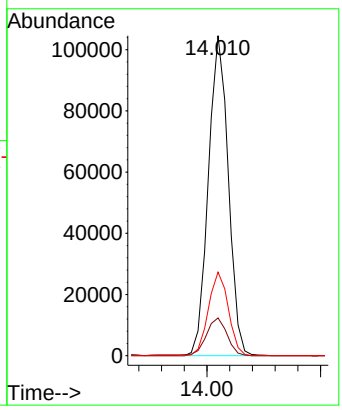


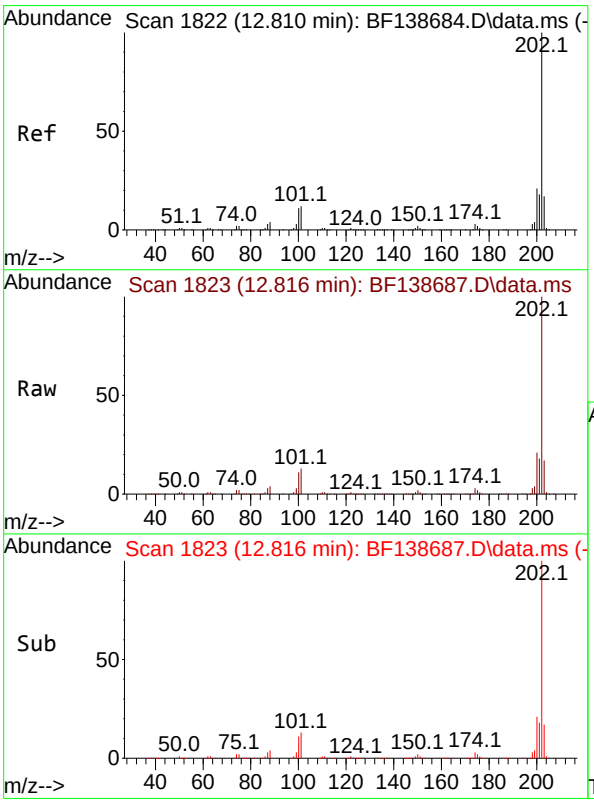
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

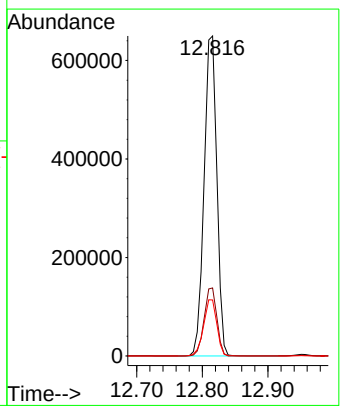


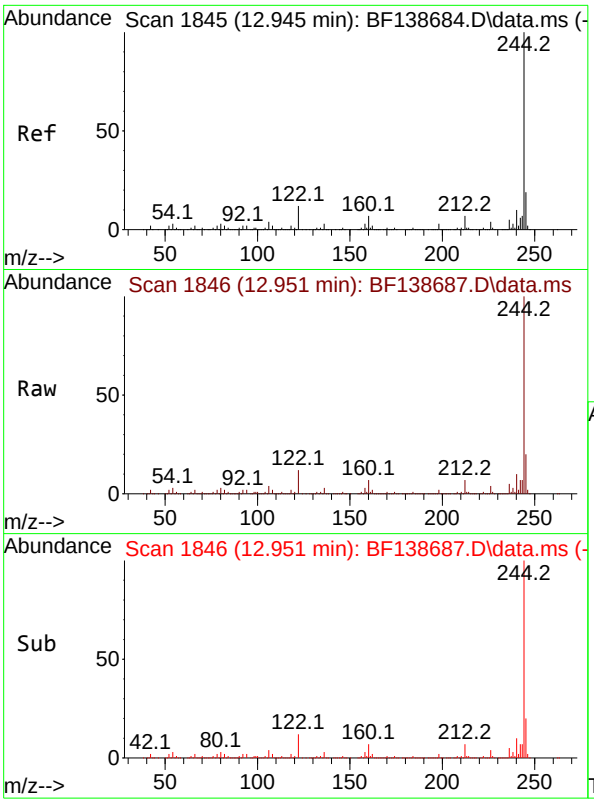


#78
Pyrene
Concen: 73.618 ng
RT: 12.816 min Scan# 1823
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



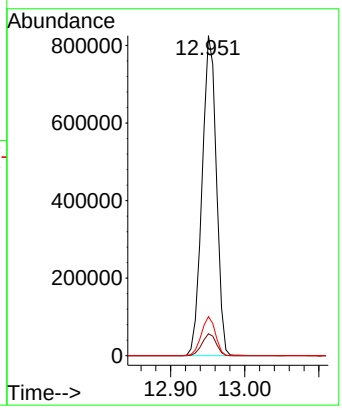


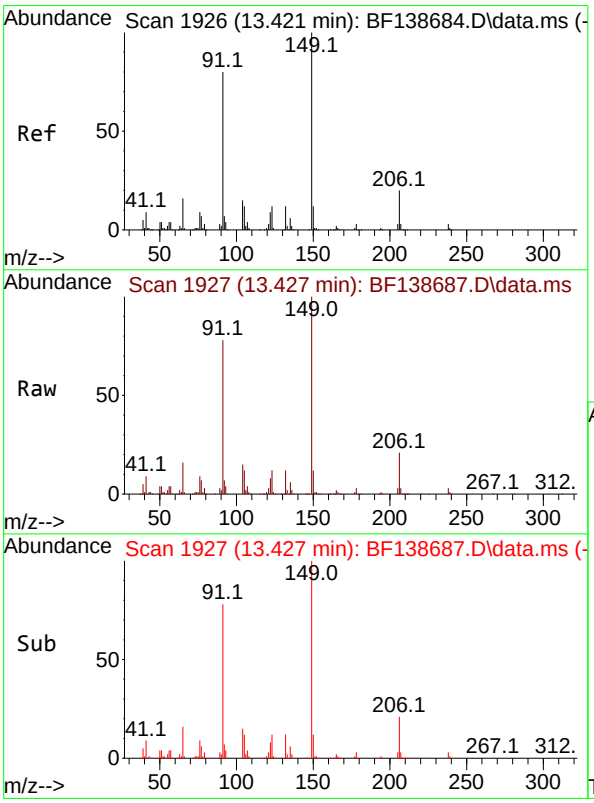
#79
Terphenyl-d14
Concen: 145.087 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

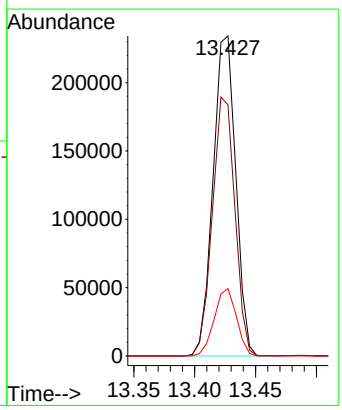


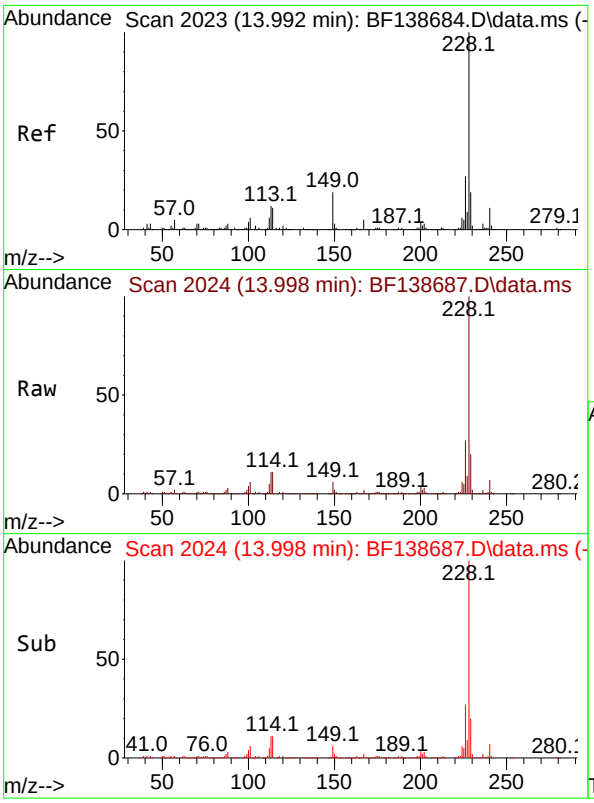


#80
Butylbenzylphthalate
Concen: 79.340 ng
RT: 13.427 min Scan# 1927
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



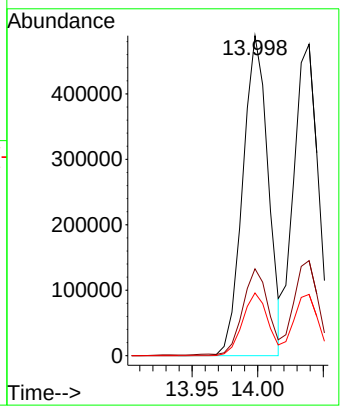


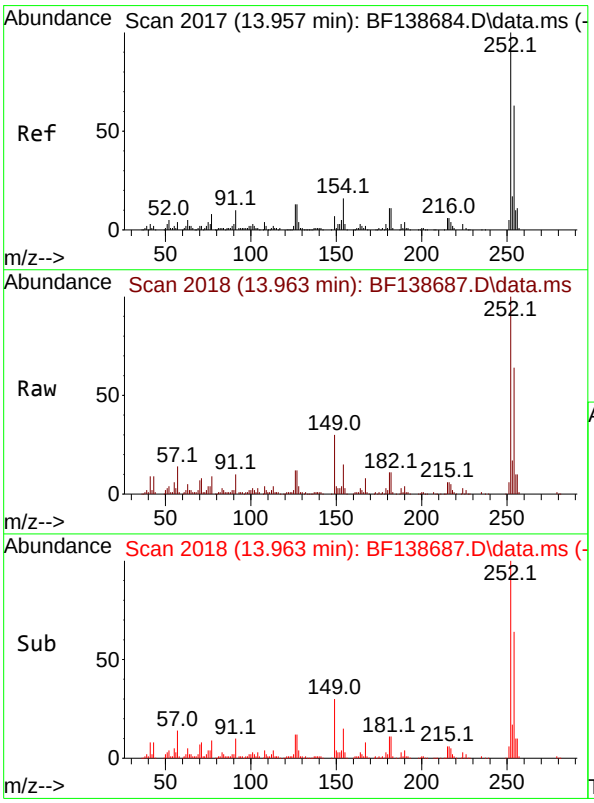
#81
Benzo(a)anthracene
Concen: 75.198 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

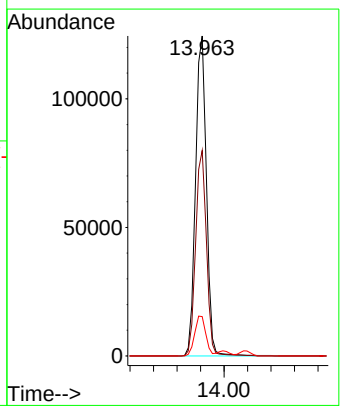


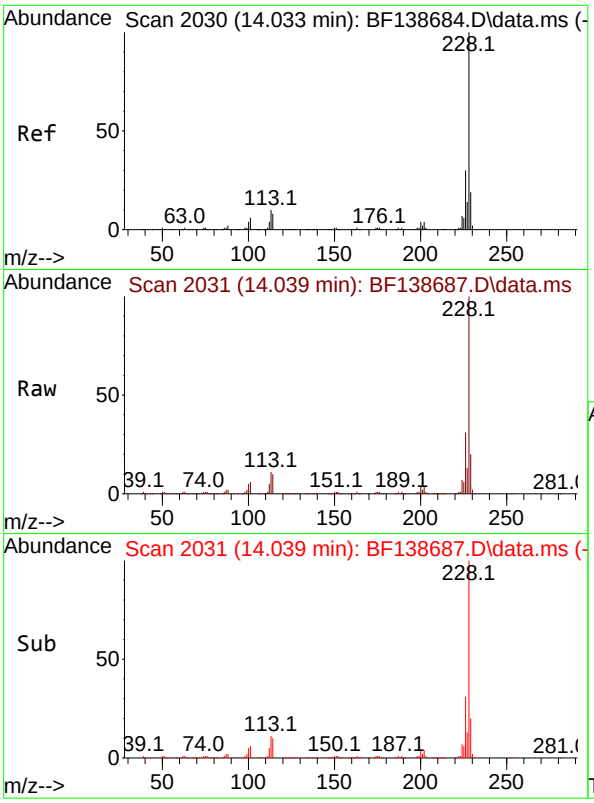


#82
3,3'-Dichlorobenzidine
Concen: 71.192 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



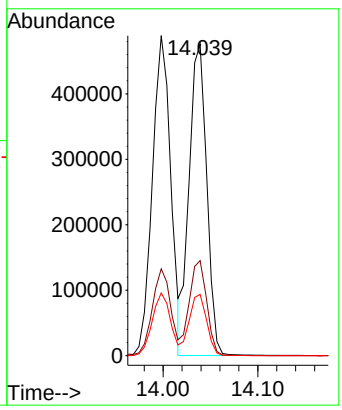


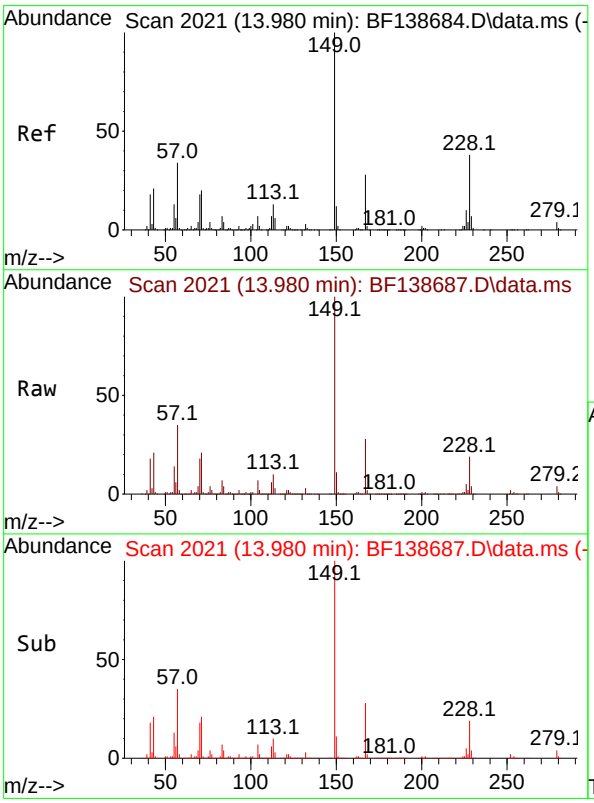
#83
Chrysene
Concen: 78.129 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

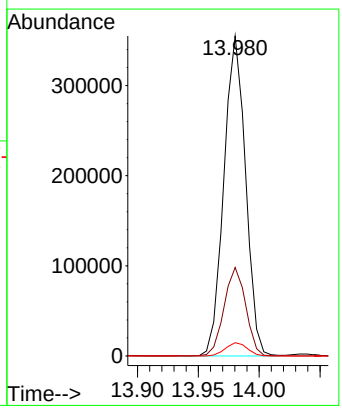


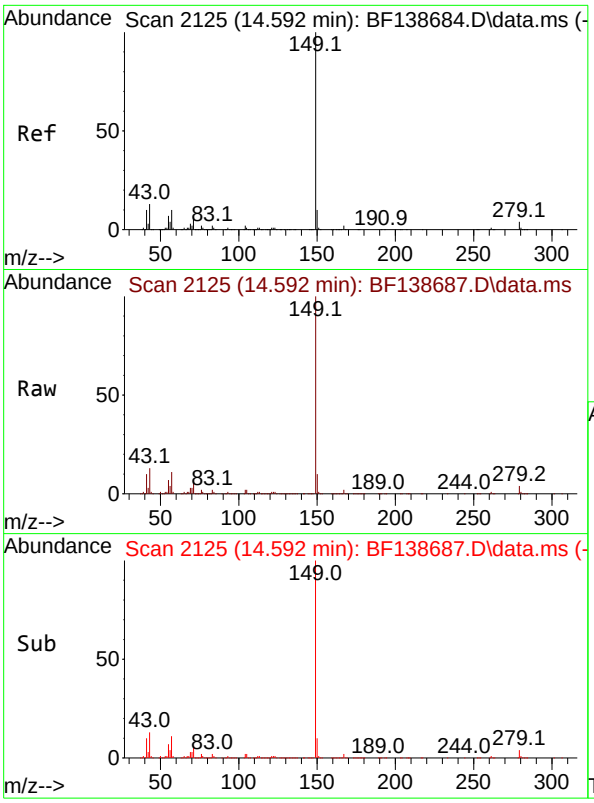


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.423 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



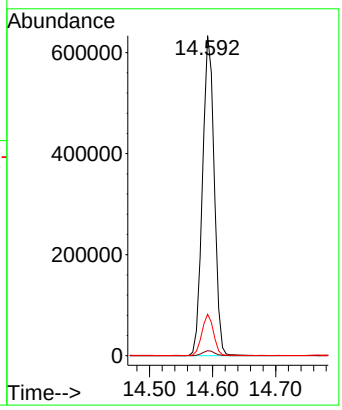


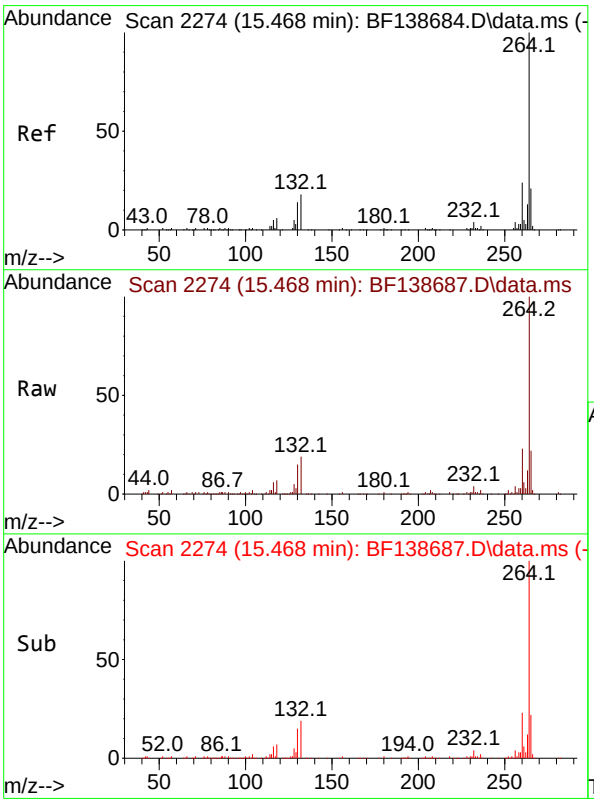
#85
Di-n-octyl phthalate
Concen: 78.597 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

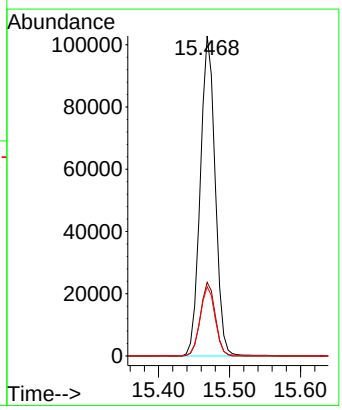


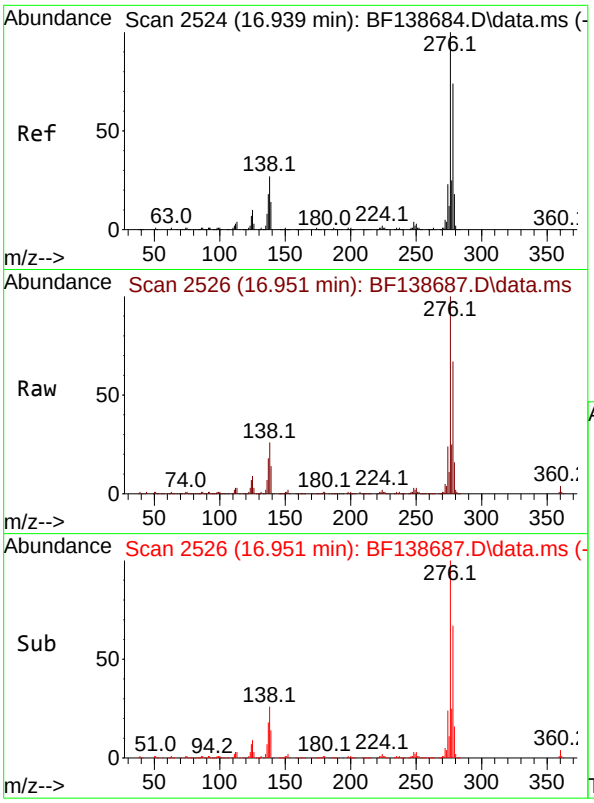


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



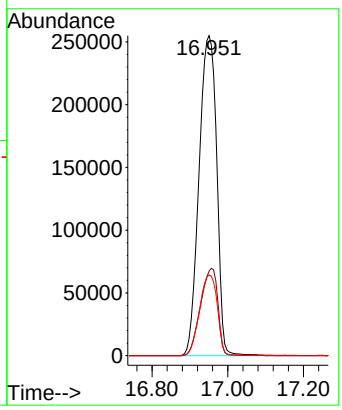


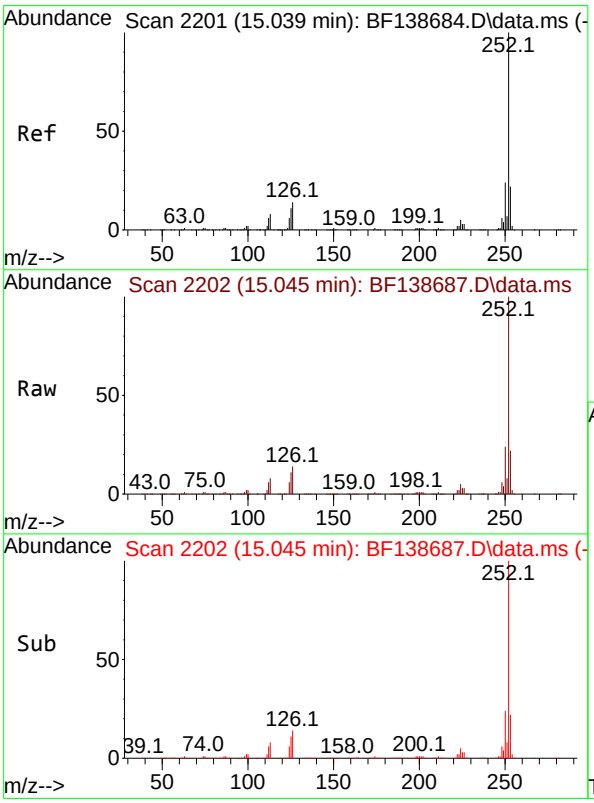
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.833 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

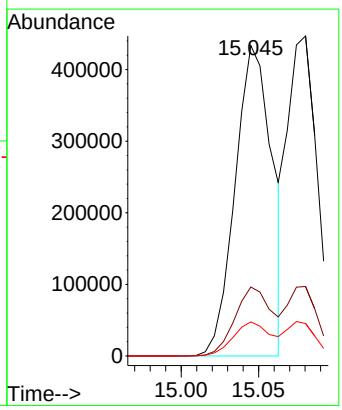


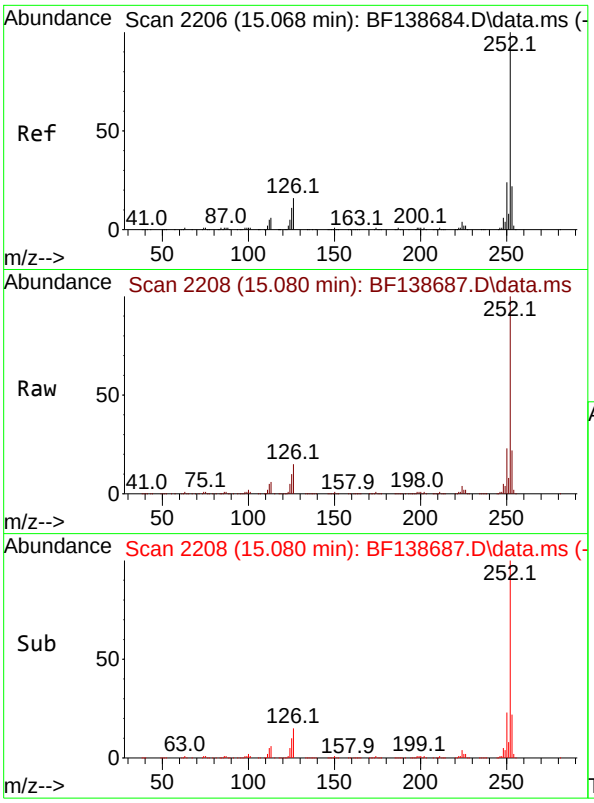


#88
Benzo(b)fluoranthene
Concen: 77.422 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



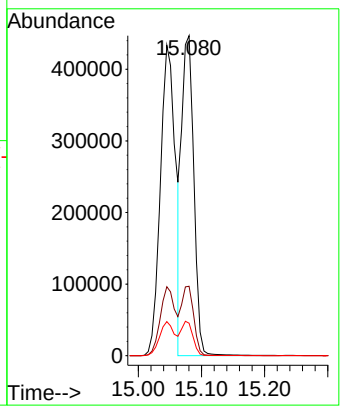


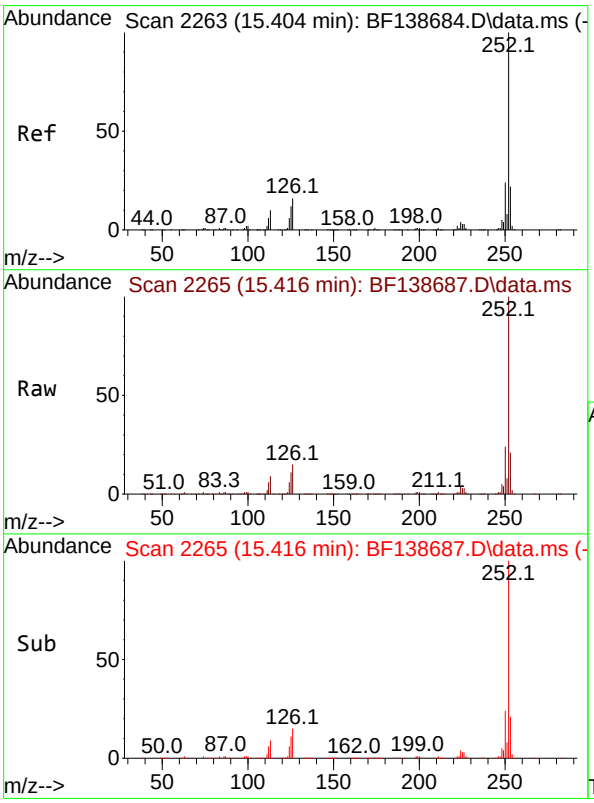
#89
Benzo(k)fluoranthene
Concen: 73.959 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

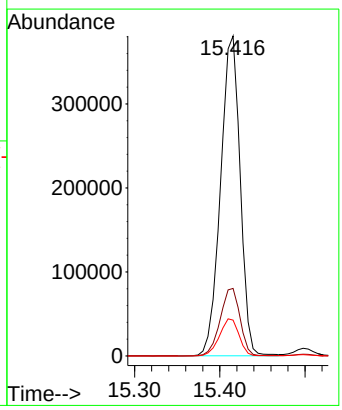


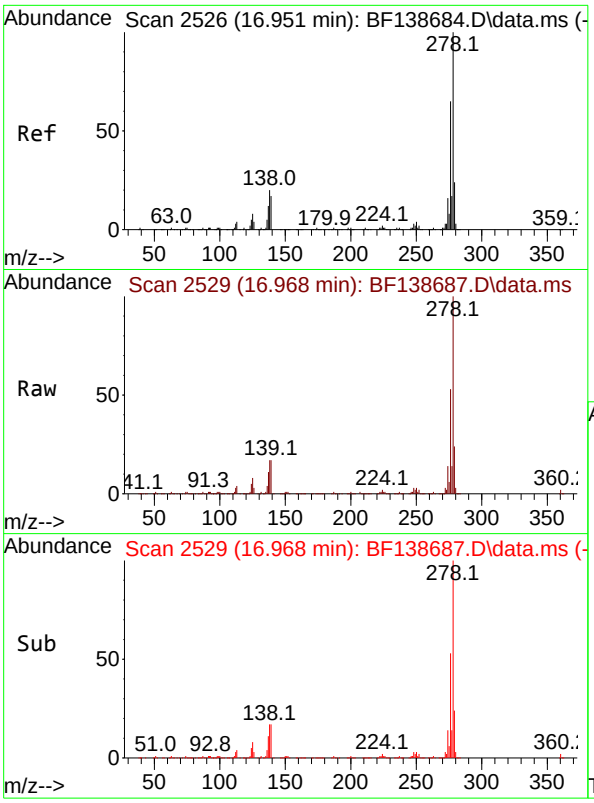


#90
Benzo(a)pyrene
Concen: 77.779 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.012 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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



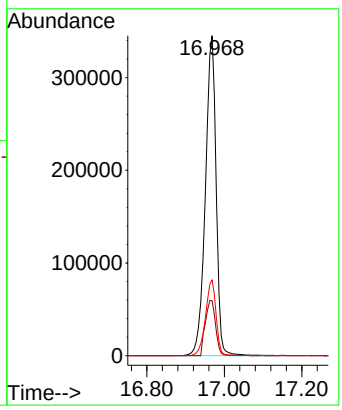


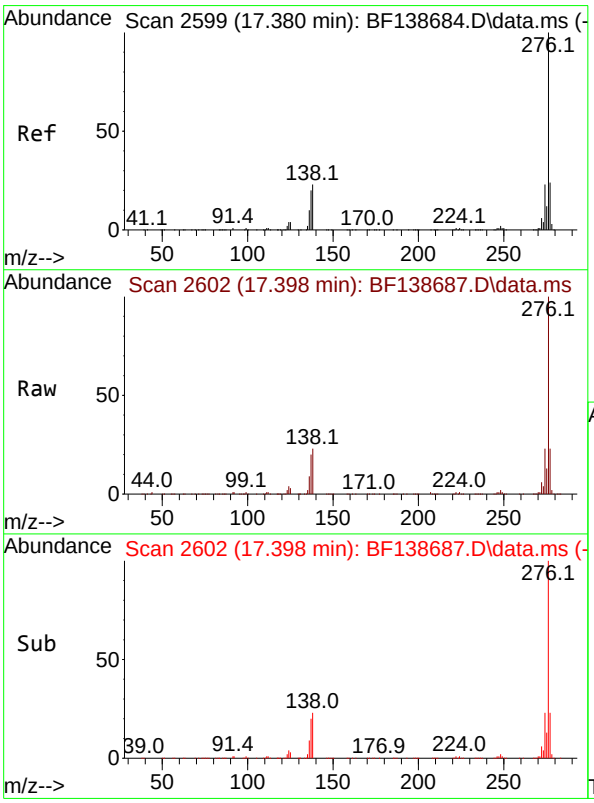
#91
Dibenzo(a,h)anthracene
Concen: 75.184 ng
RT: 16.968 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

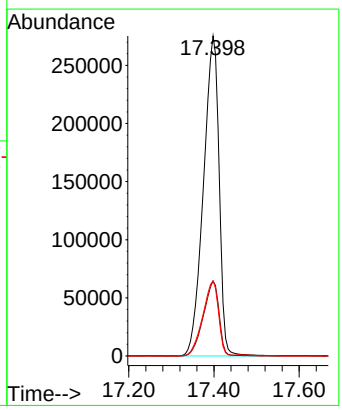




#92
Benzo(g,h,i)perylene
Concen: 76.589 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138687.D
Acq: 30 Jul 2024 16:29

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

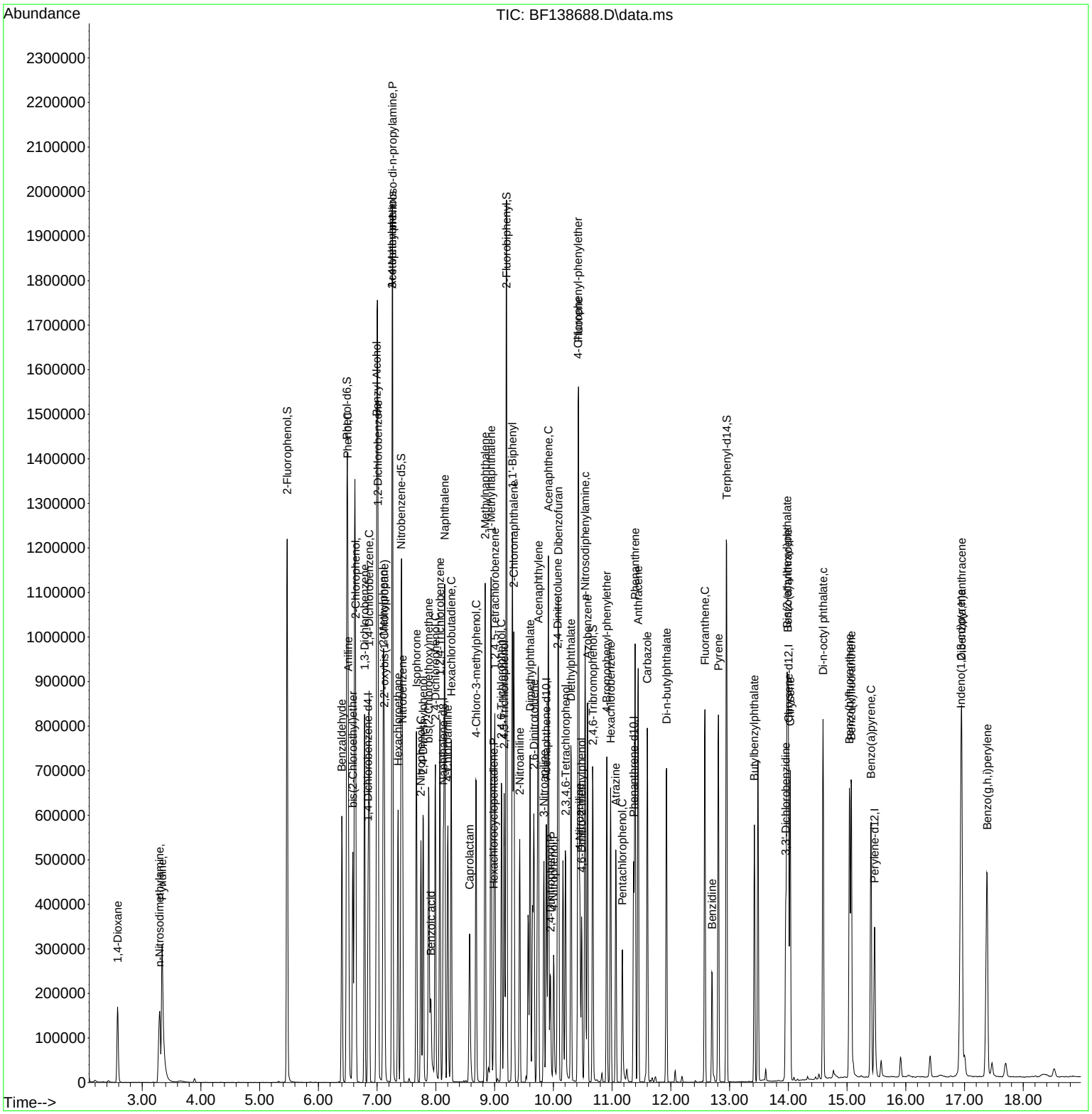
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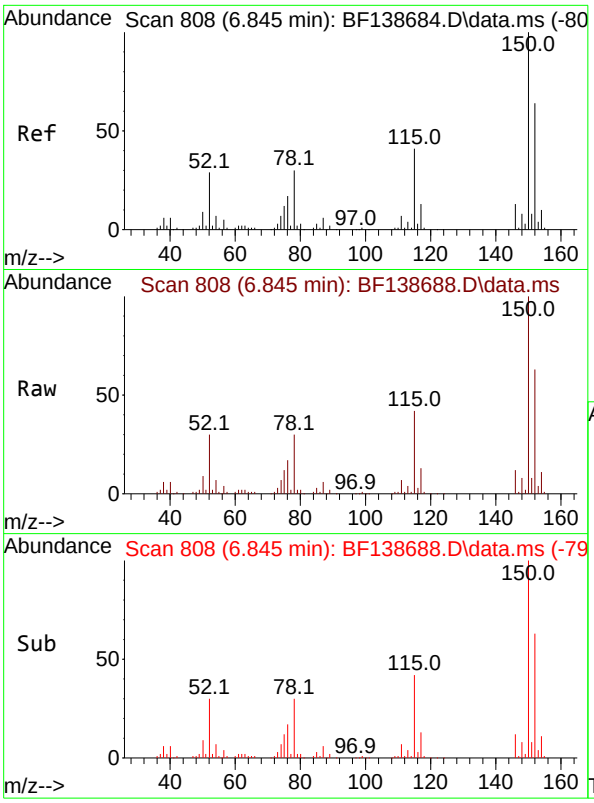
ICAL Form

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



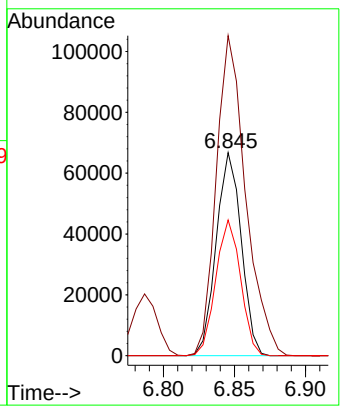


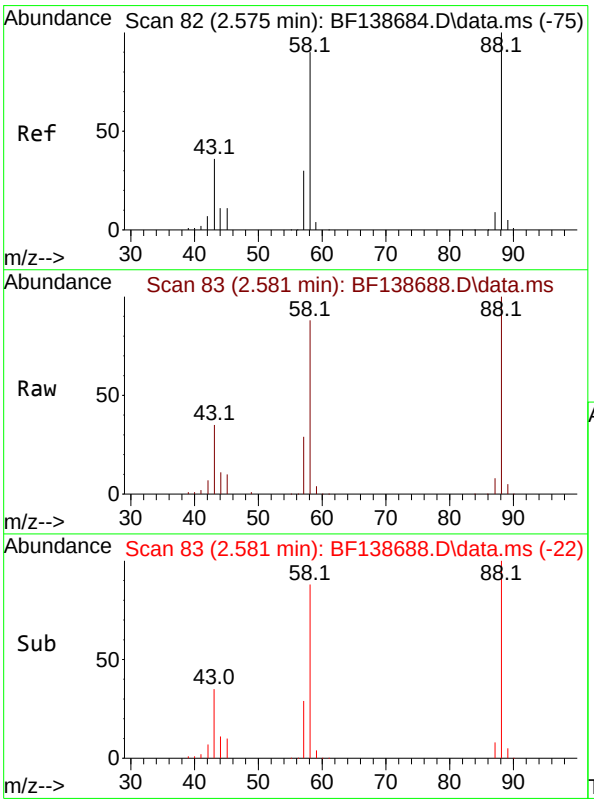
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

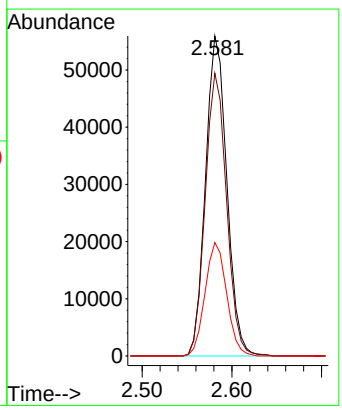


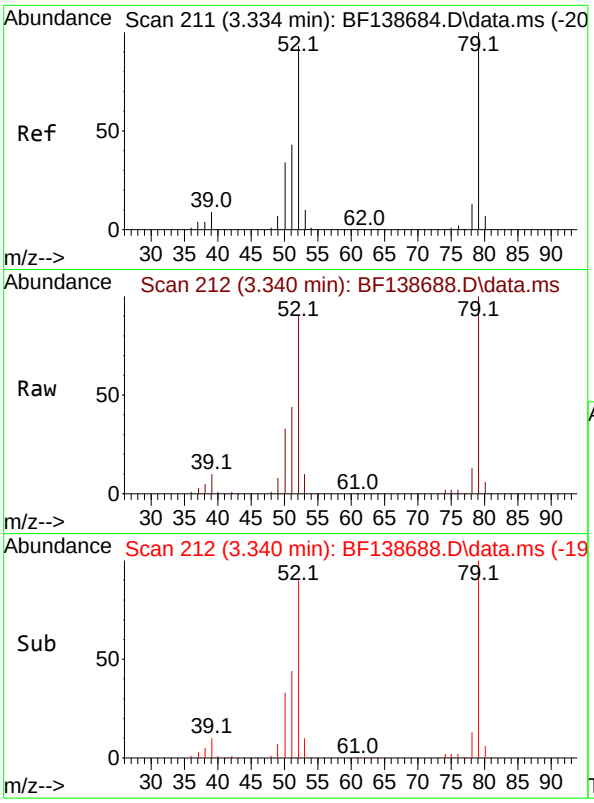


#2
1,4-Dioxane
Concen: 39.808 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



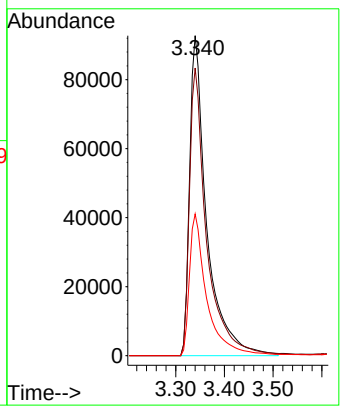


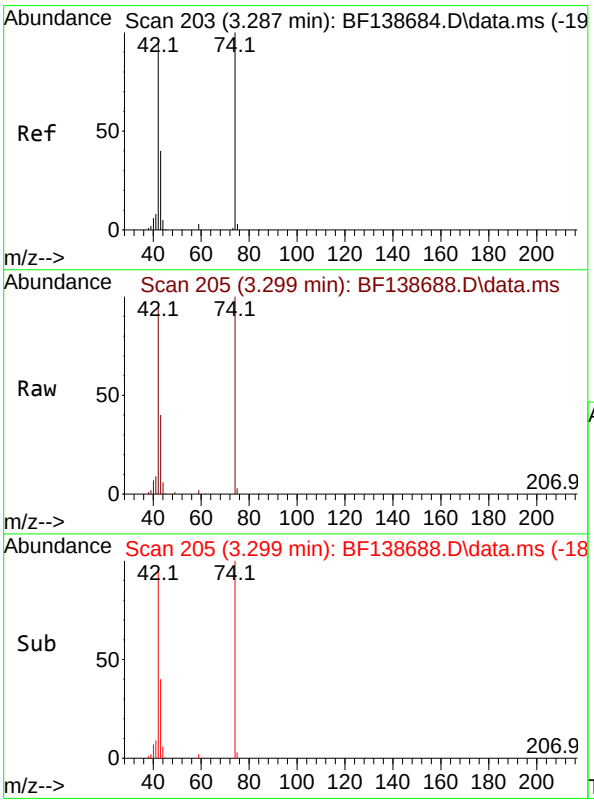
#3
Pyridine
Concen: 40.463 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

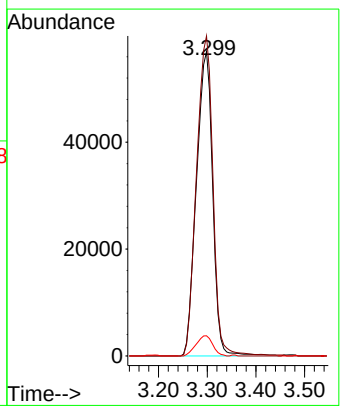


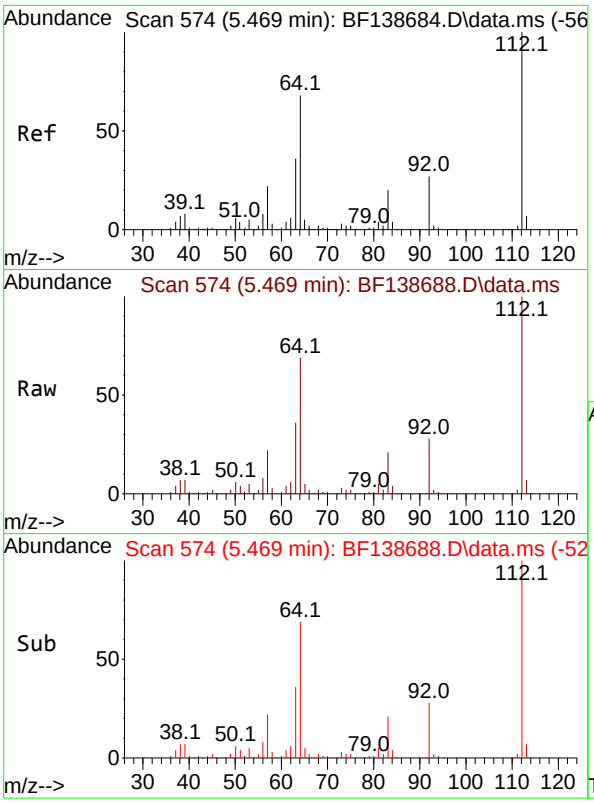


#4
n-Nitrosodimethylamine
Concen: 39.391 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



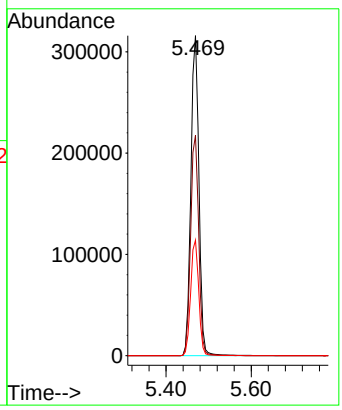


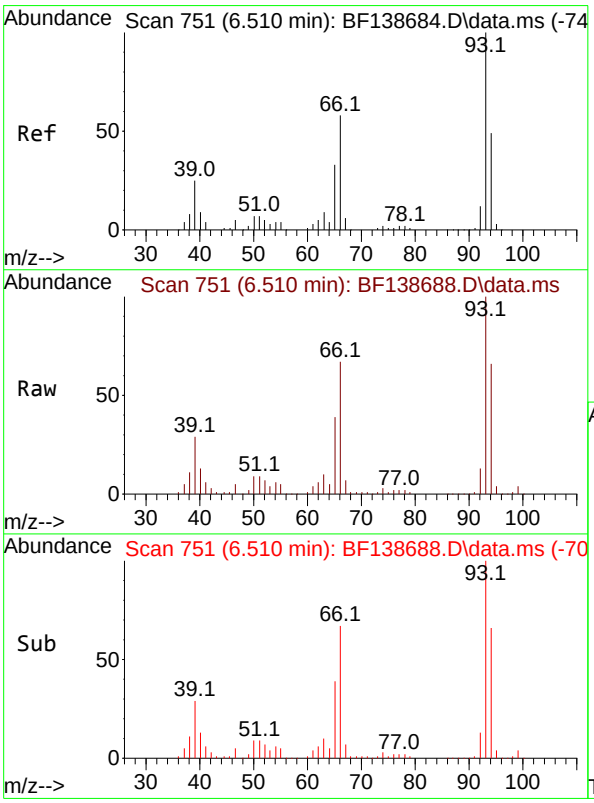
#5
2-Fluorophenol
Concen: 78.171 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

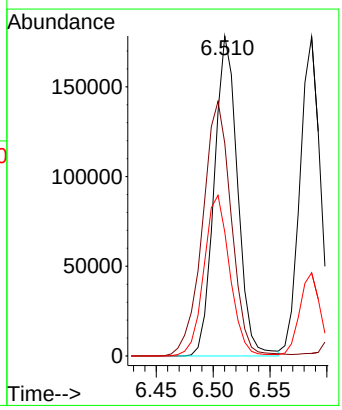


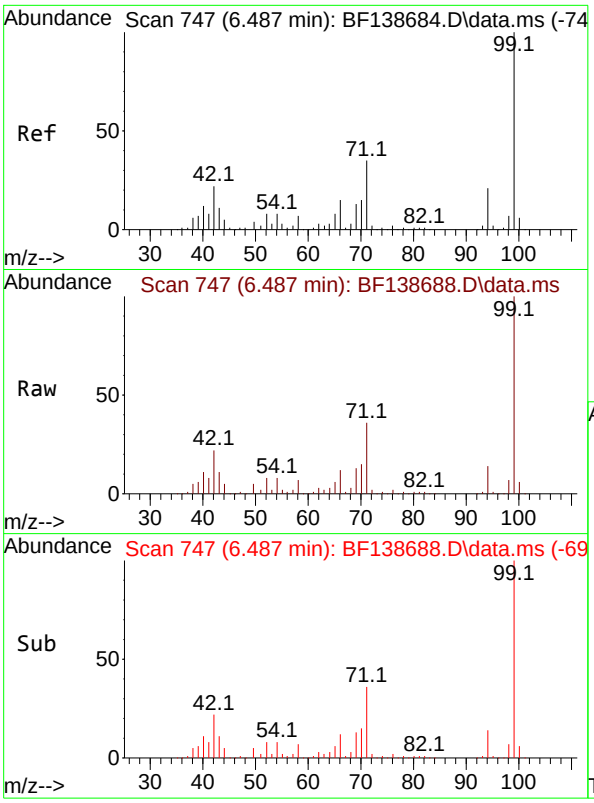


#6
Aniline
Concen: 40.197 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



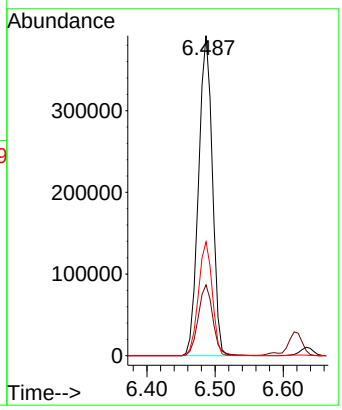


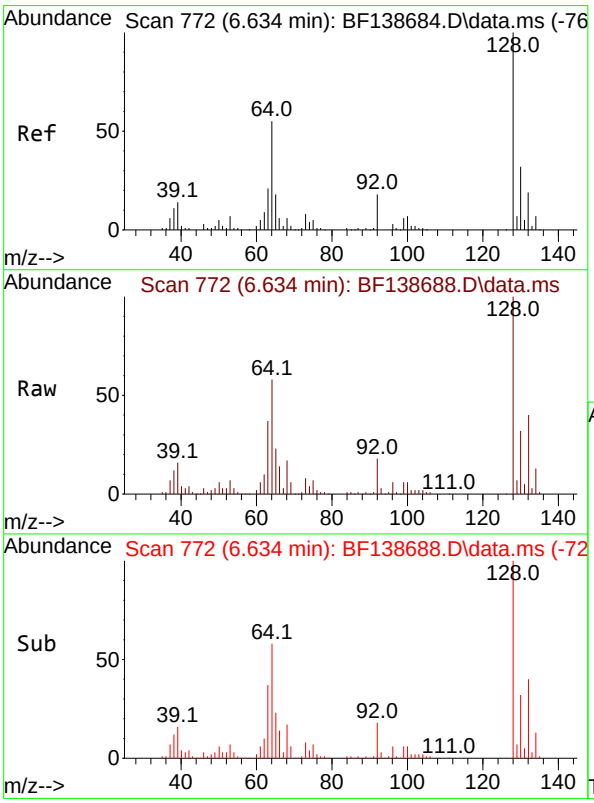
#7
Phenol-d6
Concen: 77.578 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

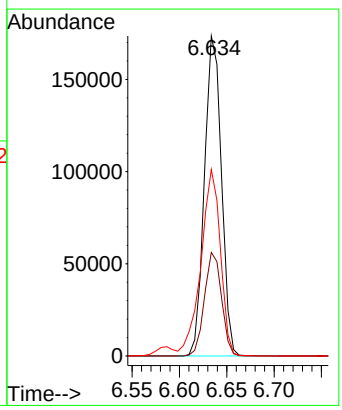


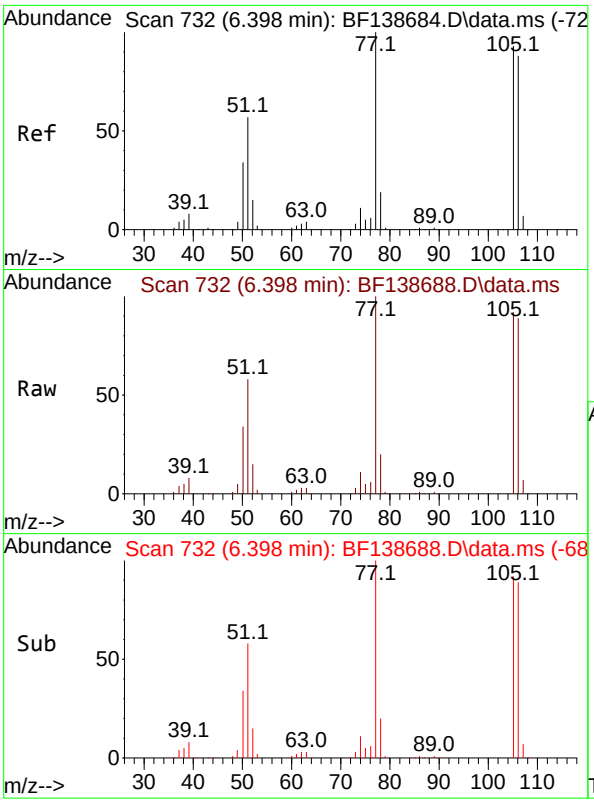


#8
2-Chlorophenol
Concen: 38.895 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



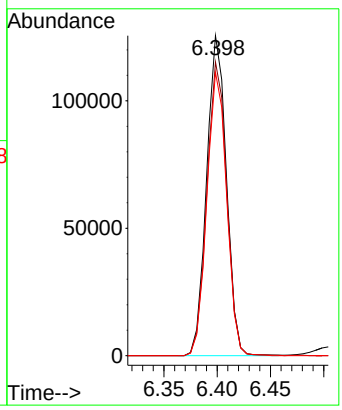


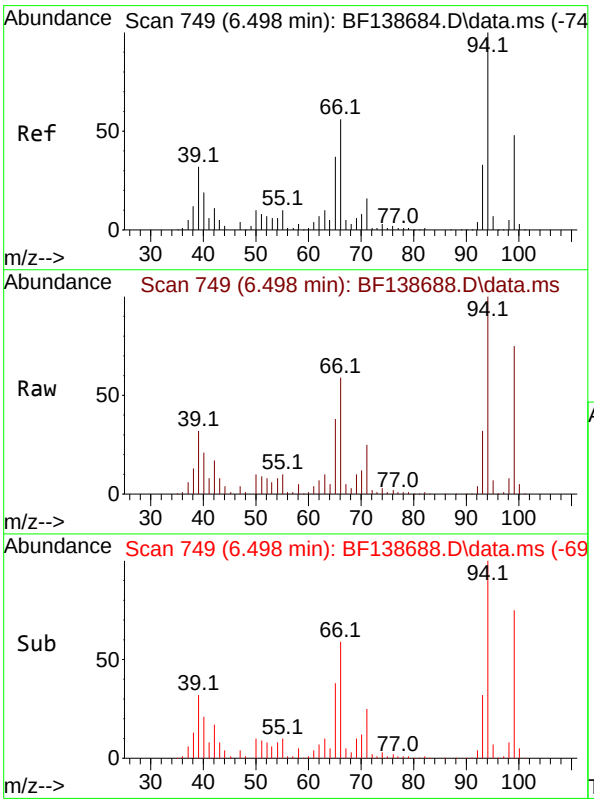
#9
Benzaldehyde
Concen: 37.898 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

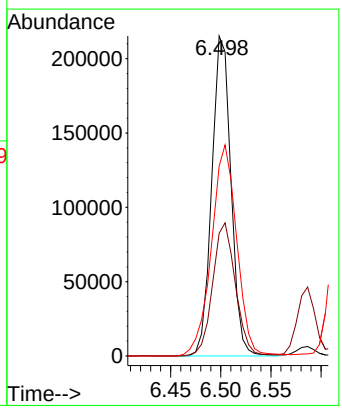


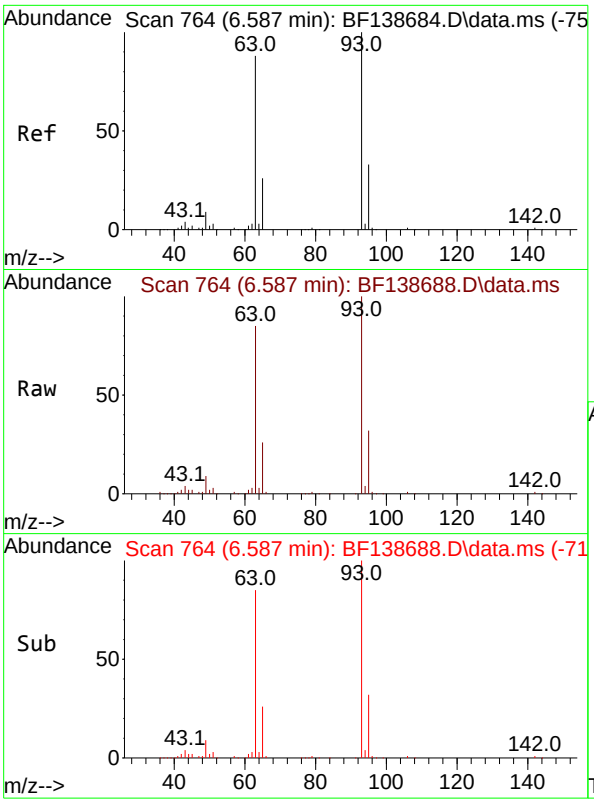


#10
Phenol
Concen: 38.277 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



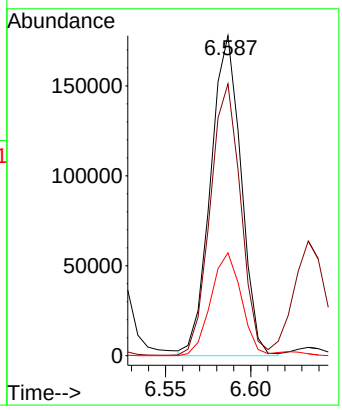


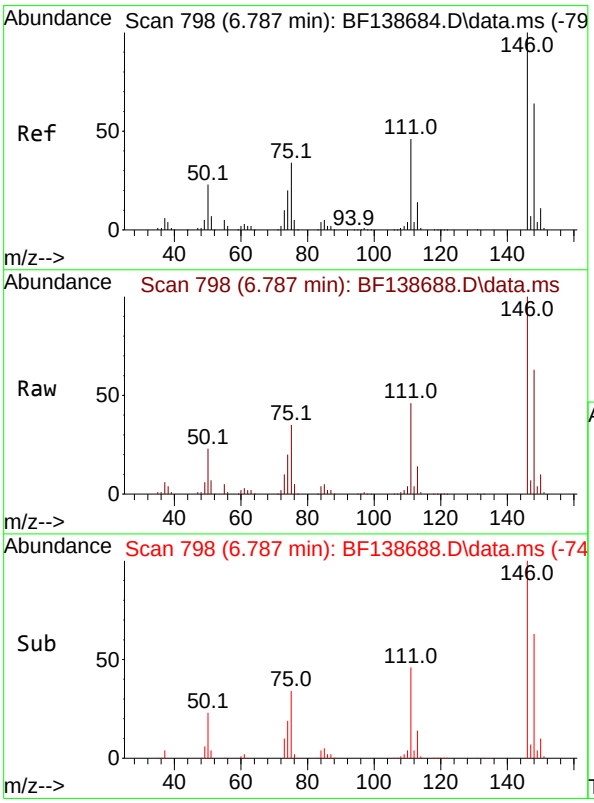
#11
bis(2-Chloroethyl)ether
Concen: 38.433 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

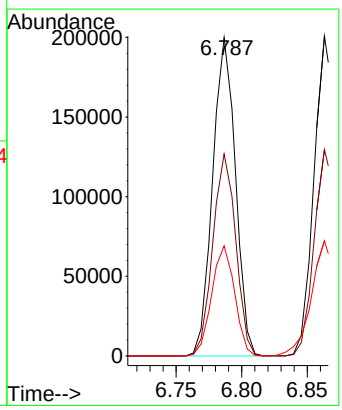


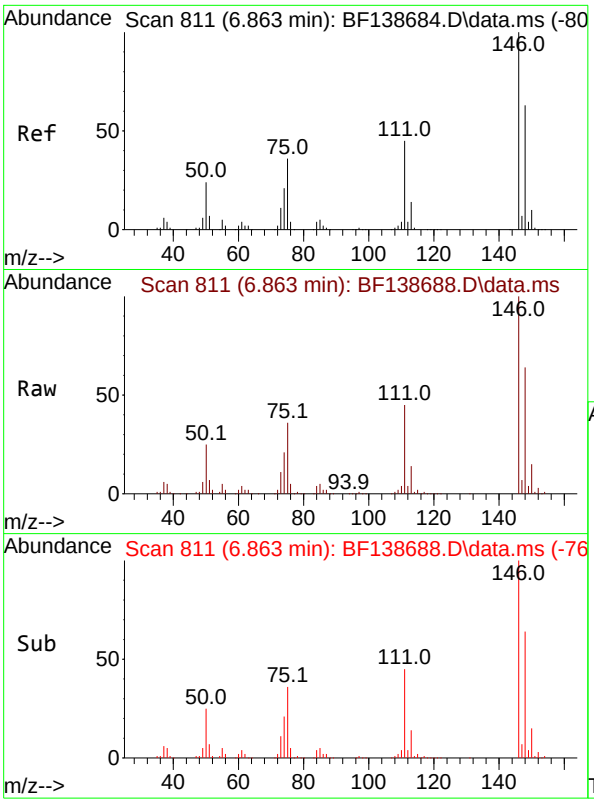


#12
1,3-Dichlorobenzene
Concen: 38.692 ng
RT: 6.787 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



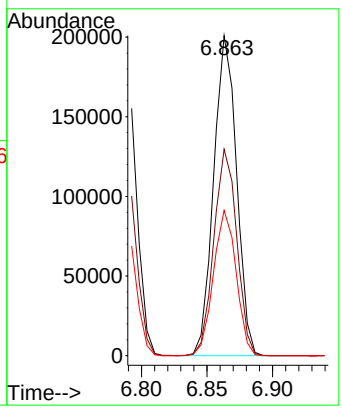


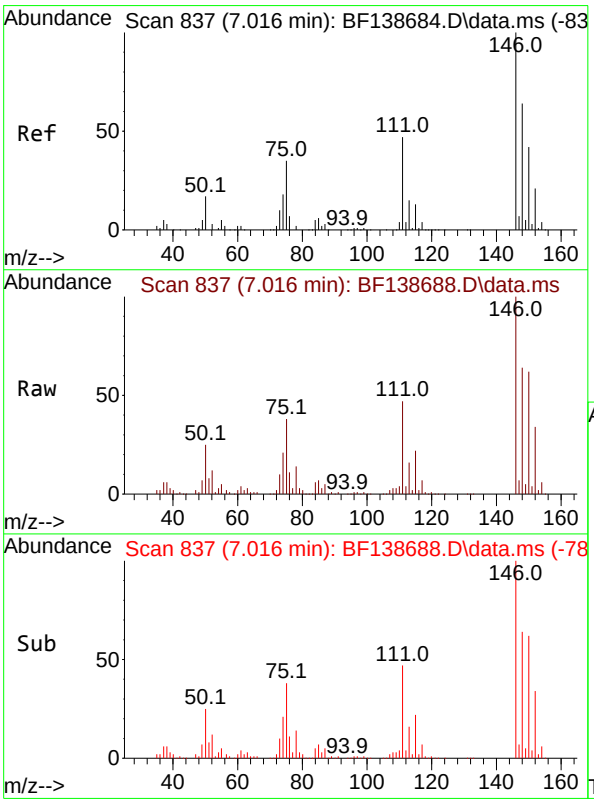
#13
1,4-Dichlorobenzene
Concen: 38.668 ng
RT: 6.863 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

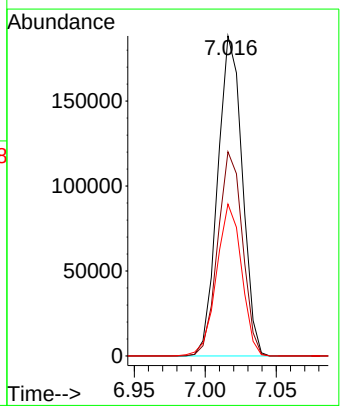


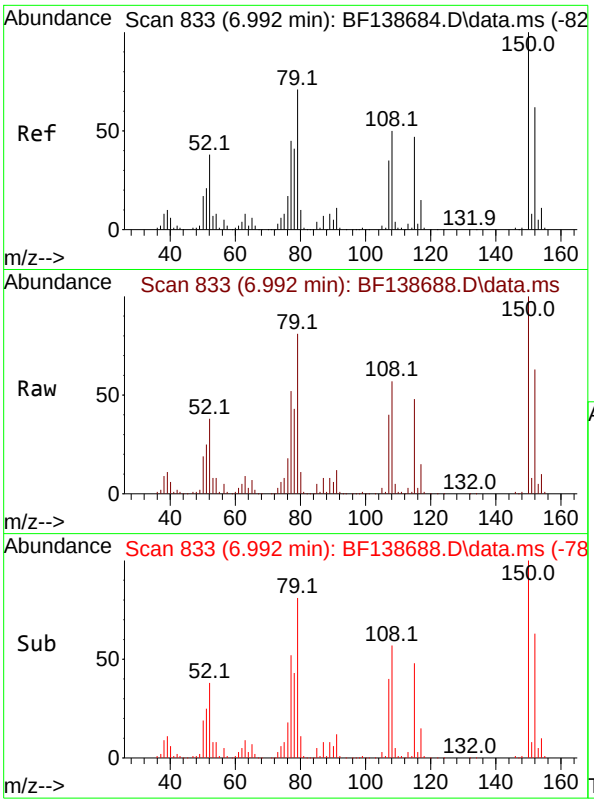


#14
1,2-Dichlorobenzene
Concen: 38.492 ng
RT: 7.016 min Scan# 837
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



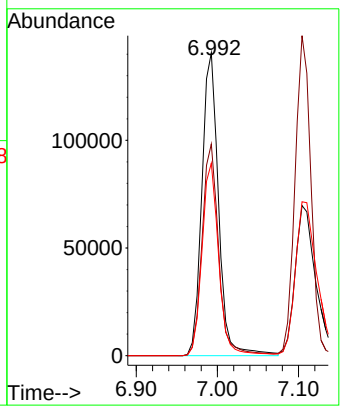


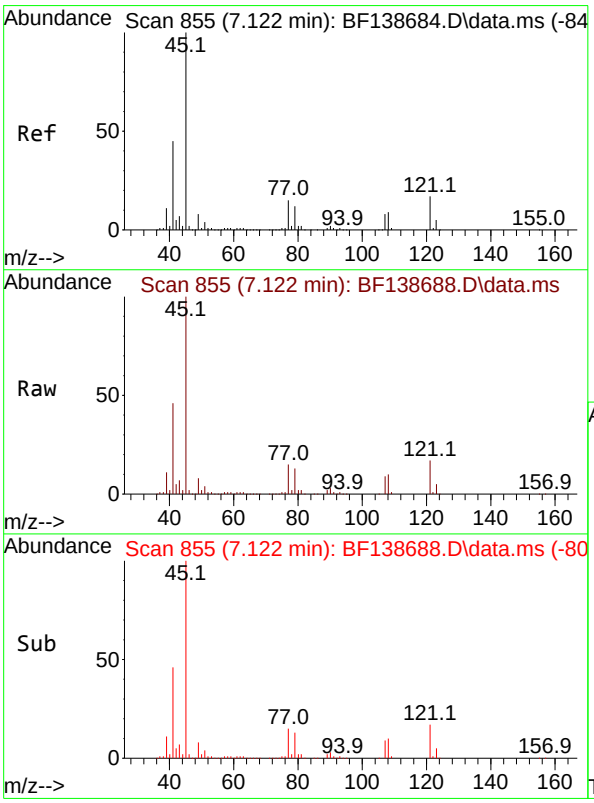
#15
Benzyl Alcohol
Concen: 39.118 ng
RT: 6.992 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

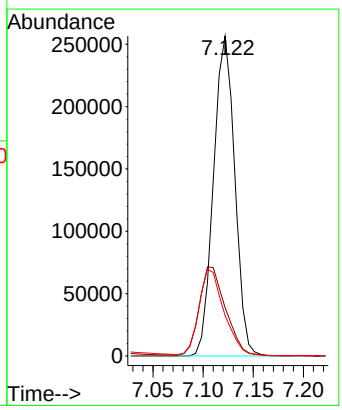


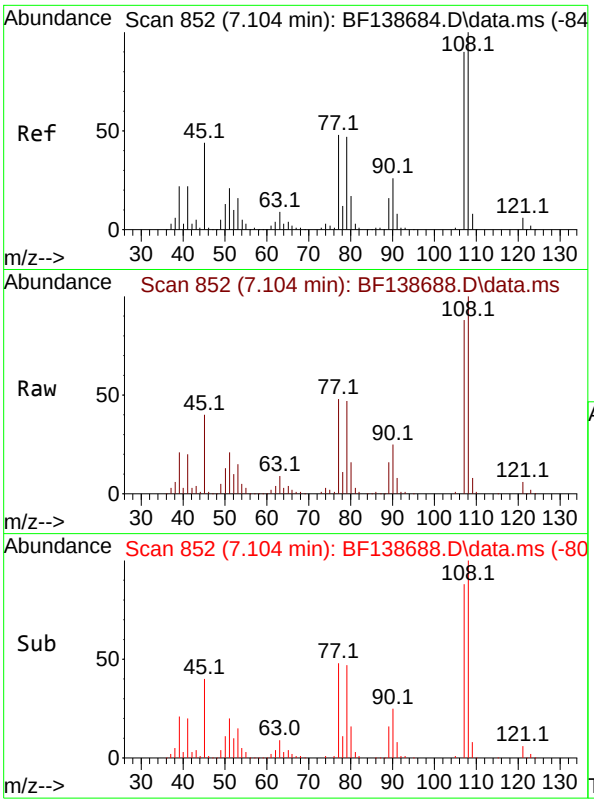


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.127 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



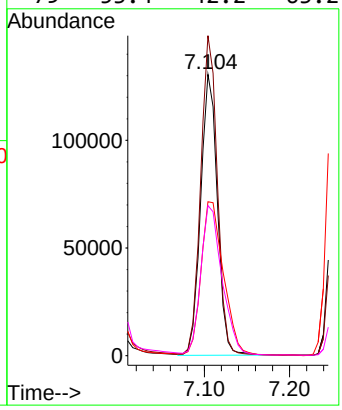


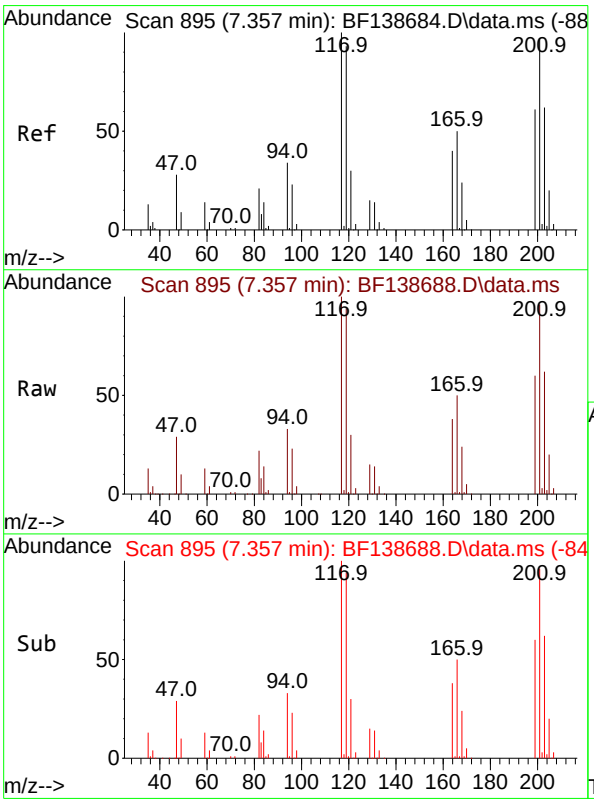
#17
2-Methylphenol
Concen: 38.649 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

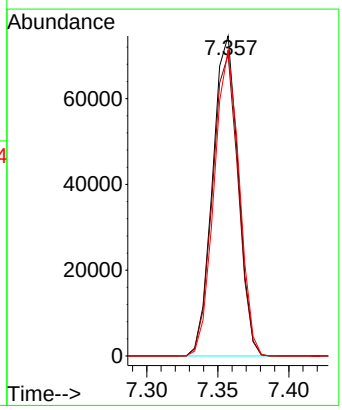


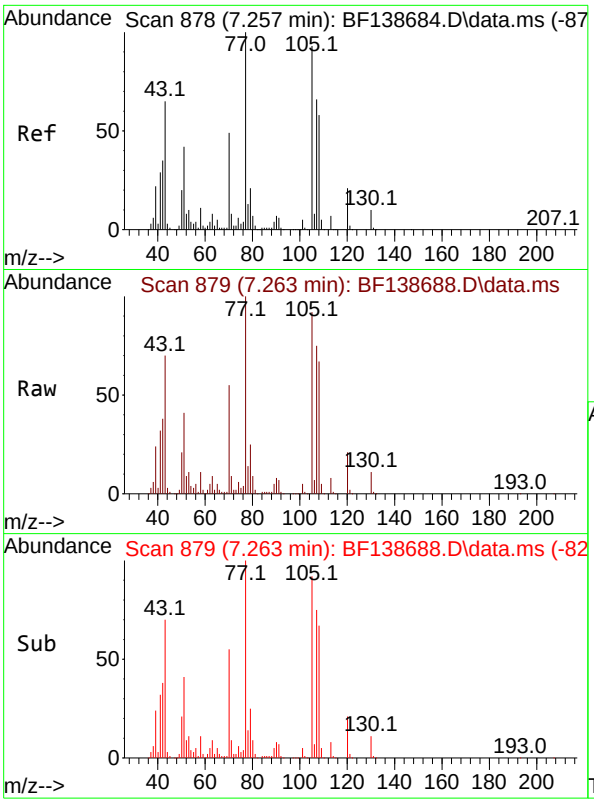


#18
Hexachloroethane
Concen: 39.384 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



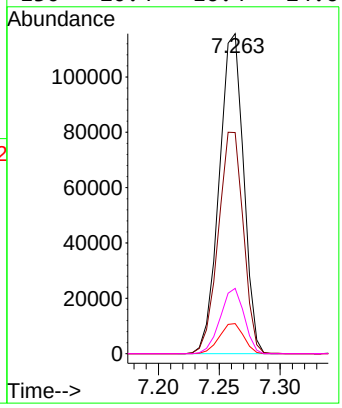


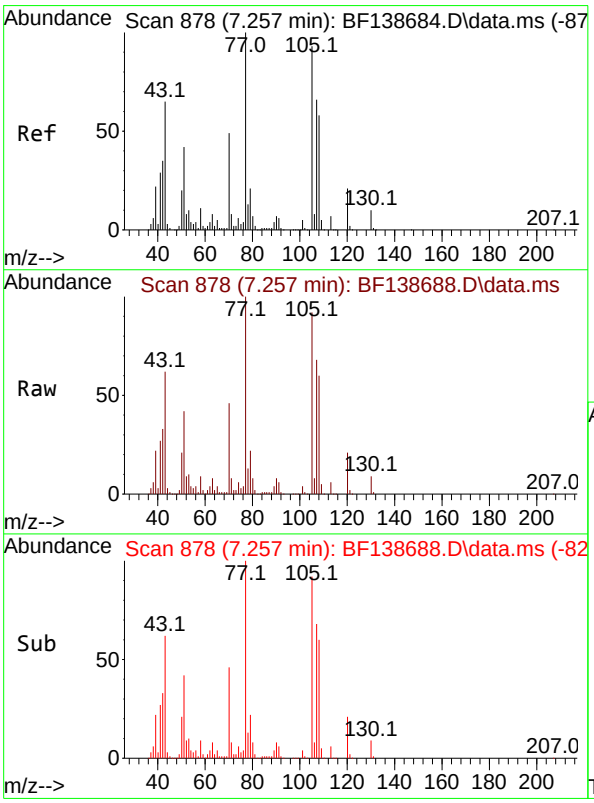
#19
n-Nitroso-di-n-propylamine
Concen: 37.442 ng
RT: 7.263 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

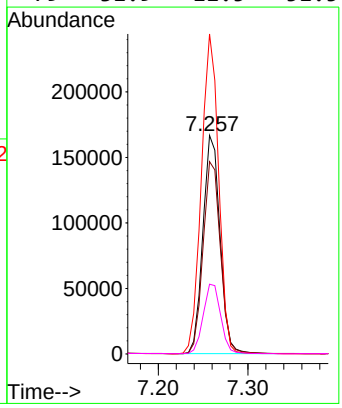


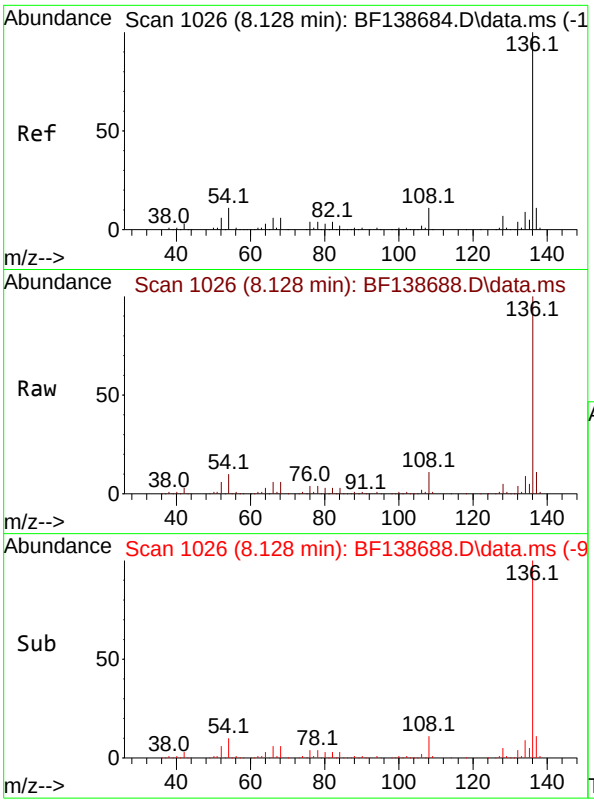


#20
3+4-Methylphenols
Concen: 37.436 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



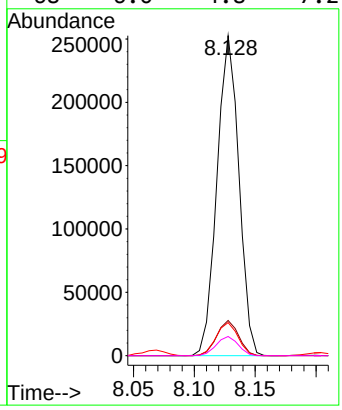


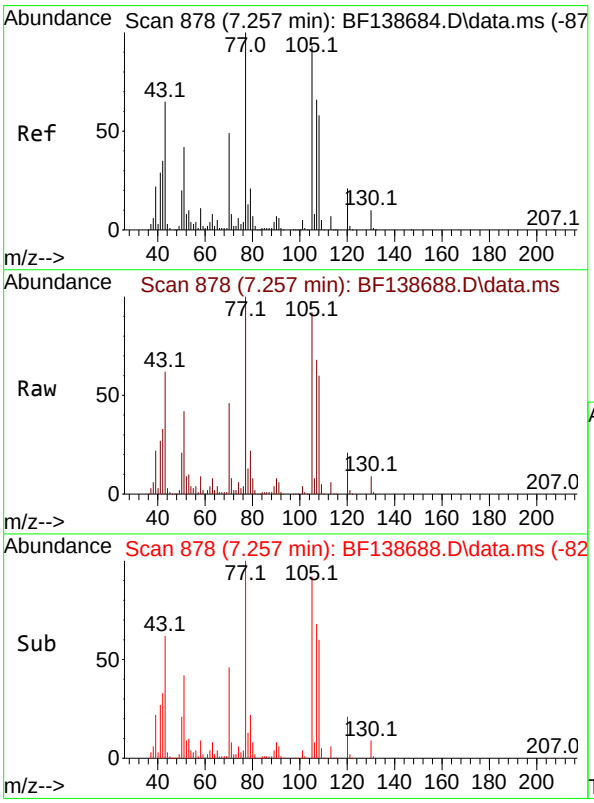
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

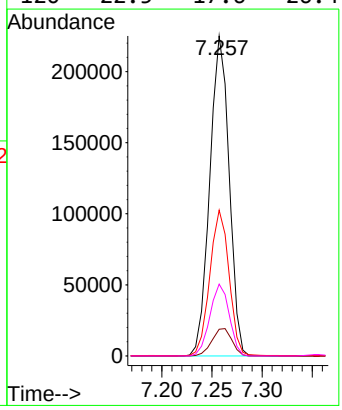


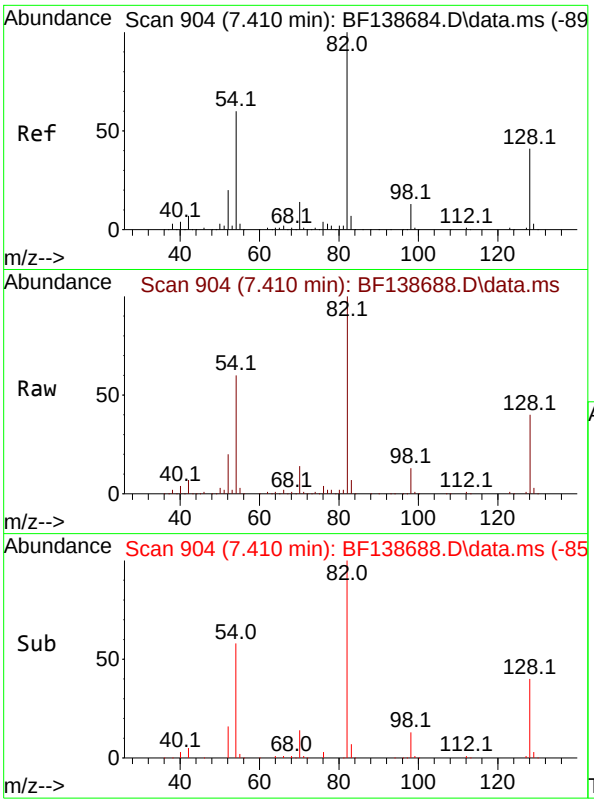


#22
Acetophenone
Concen: 39.095 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



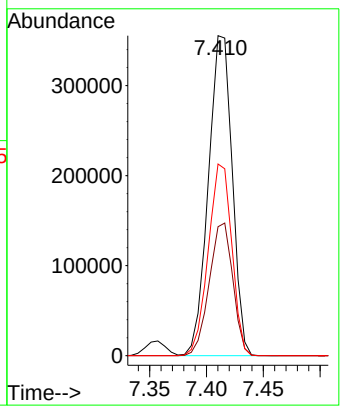


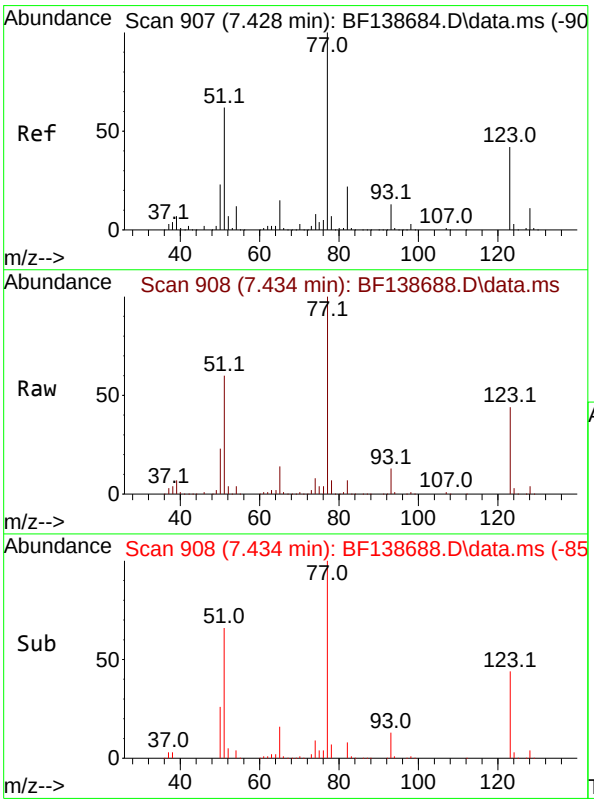
#23
Nitrobenzene-d5
Concen: 80.424 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

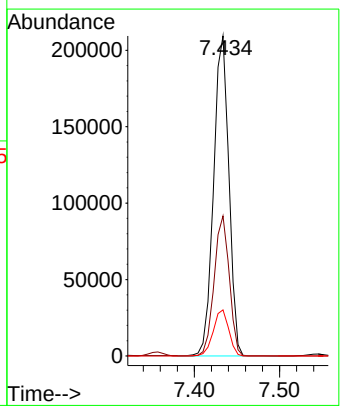


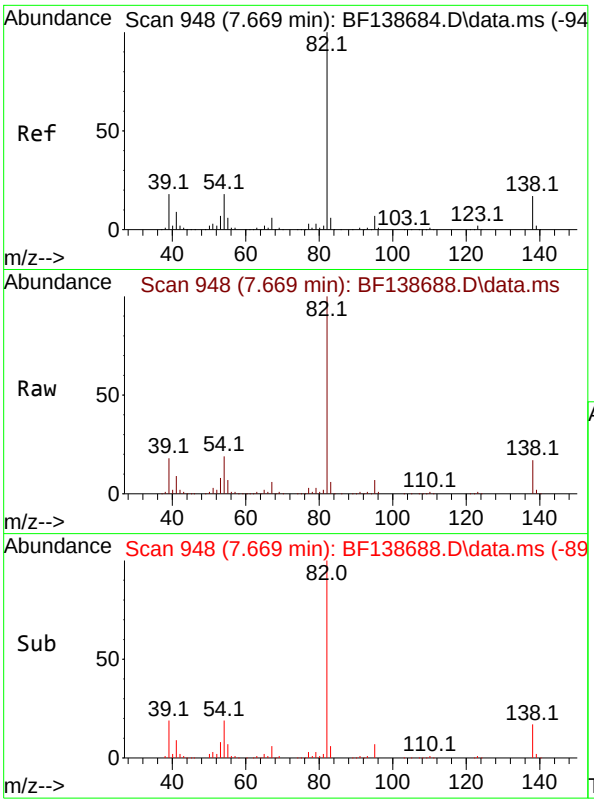


#24
Nitrobenzene
Concen: 39.882 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



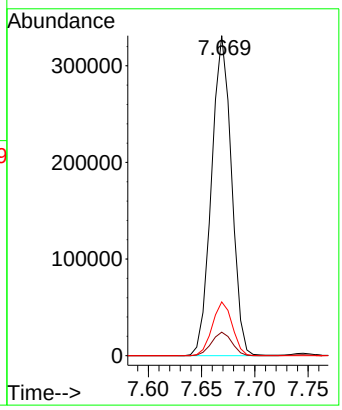


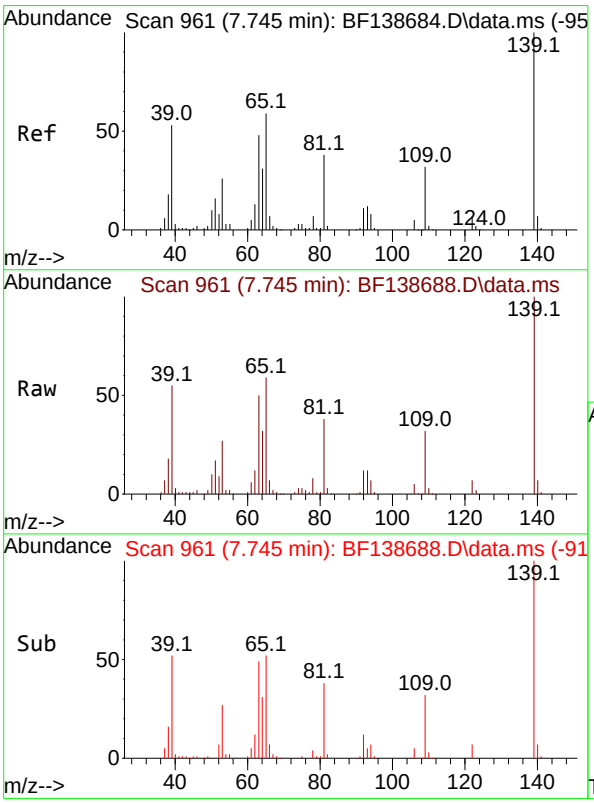
#25
Isophorone
Concen: 39.275 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

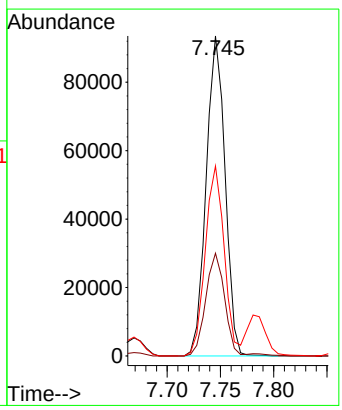


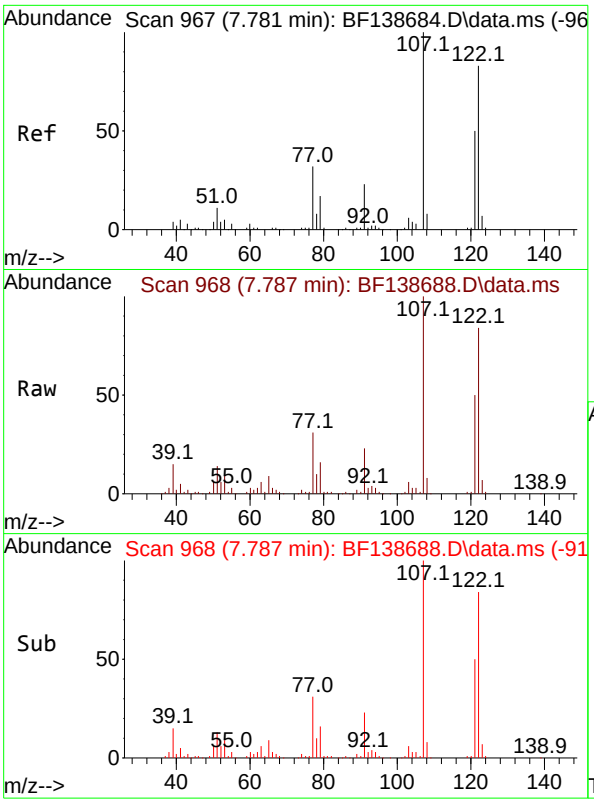


#26
2-Nitrophenol
Concen: 40.668 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



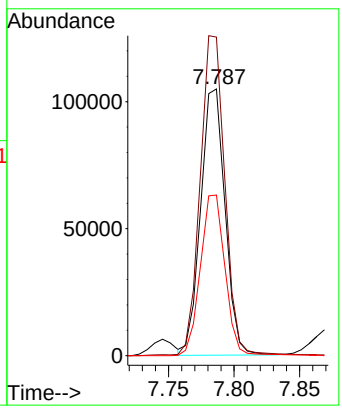


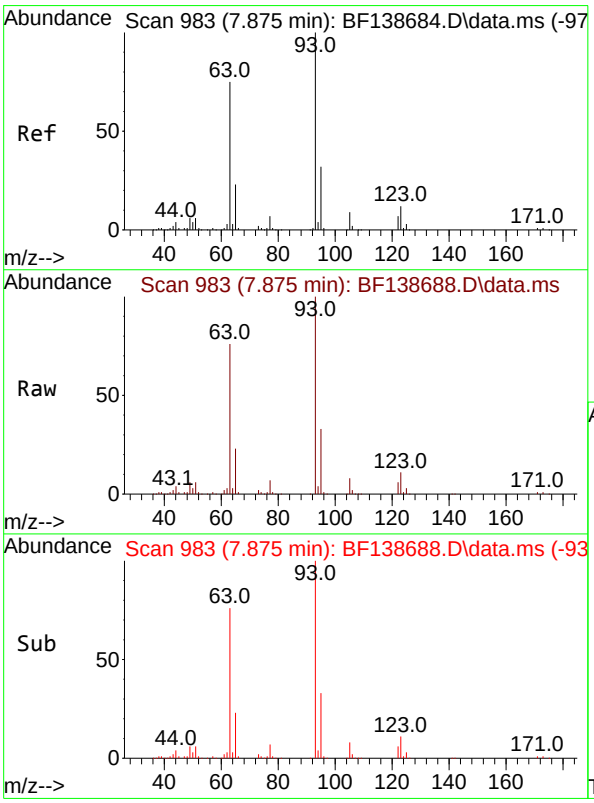
#27
2,4-Dimethylphenol
Concen: 40.231 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

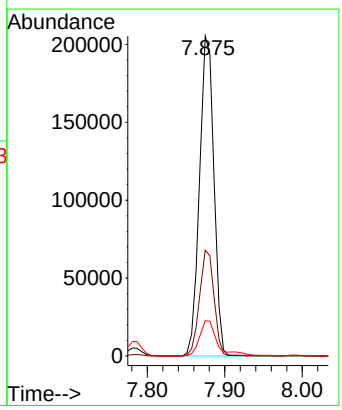


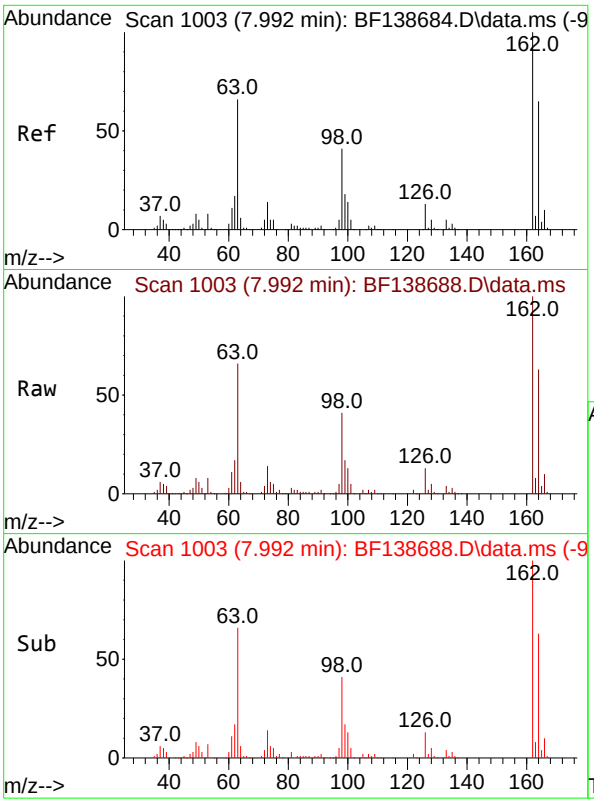


#28
bis(2-Chloroethoxy)methane
Concen: 39.557 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



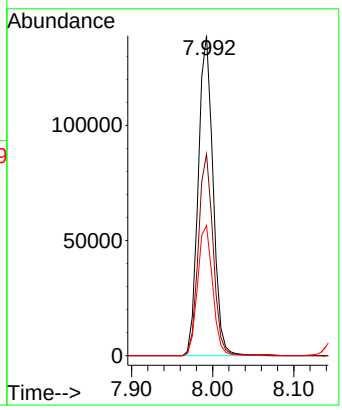


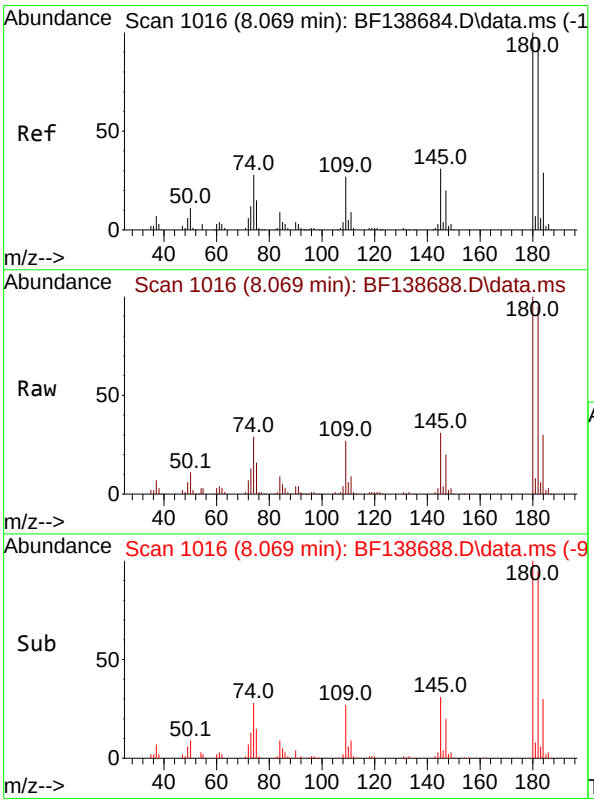
#29
2,4-Dichlorophenol
Concen: 40.567 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

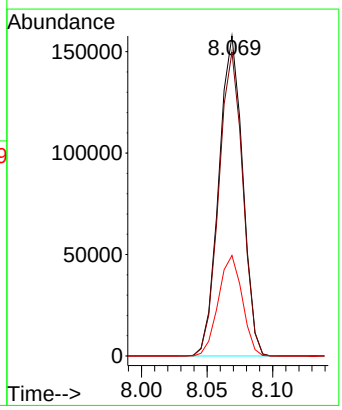


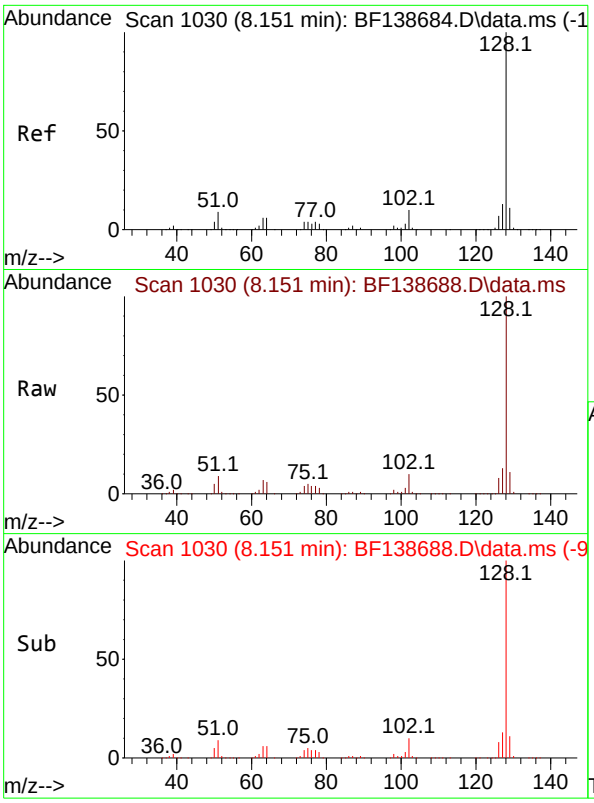


#30
1,2,4-Trichlorobenzene
Concen: 39.651 ng
RT: 8.069 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



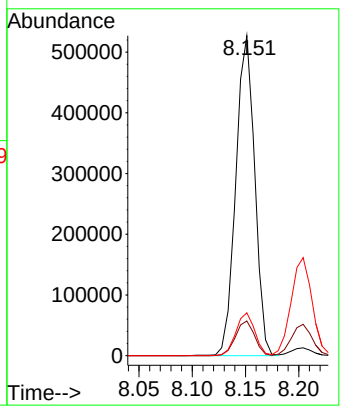


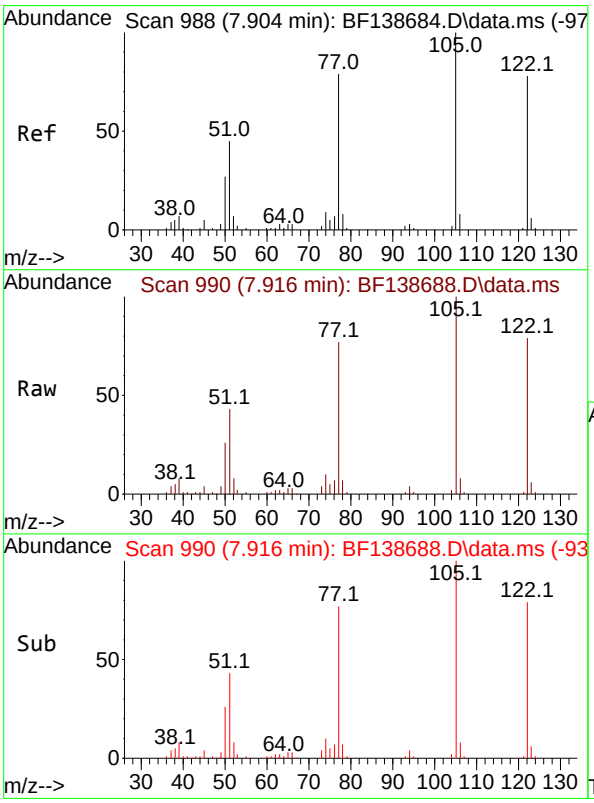
#31
Naphthalene
Concen: 39.232 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

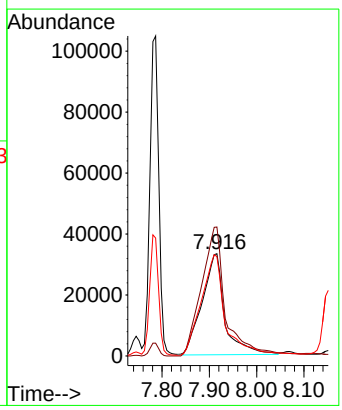


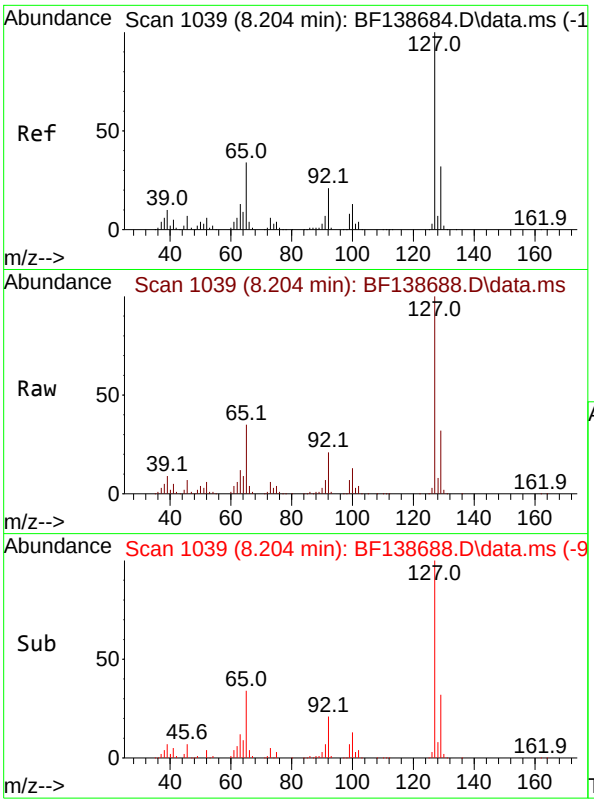


#32
Benzoic acid
Concen: 41.481 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



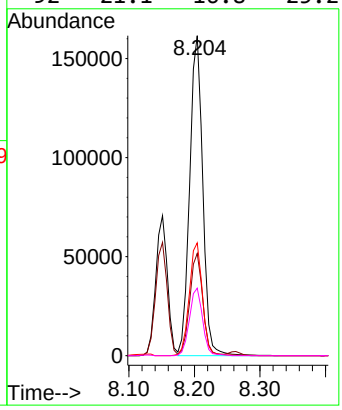


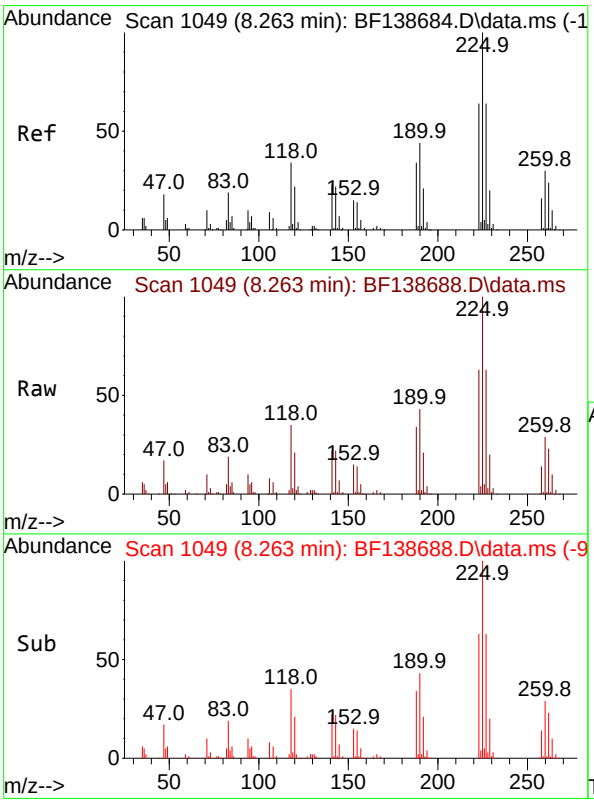
#33
4-Chloroaniline
Concen: 40.067 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

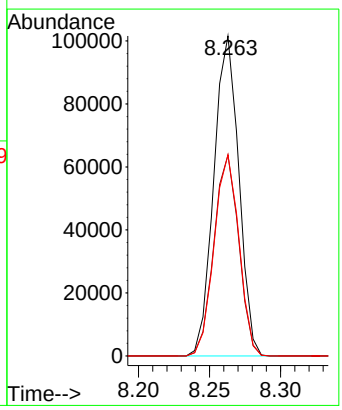


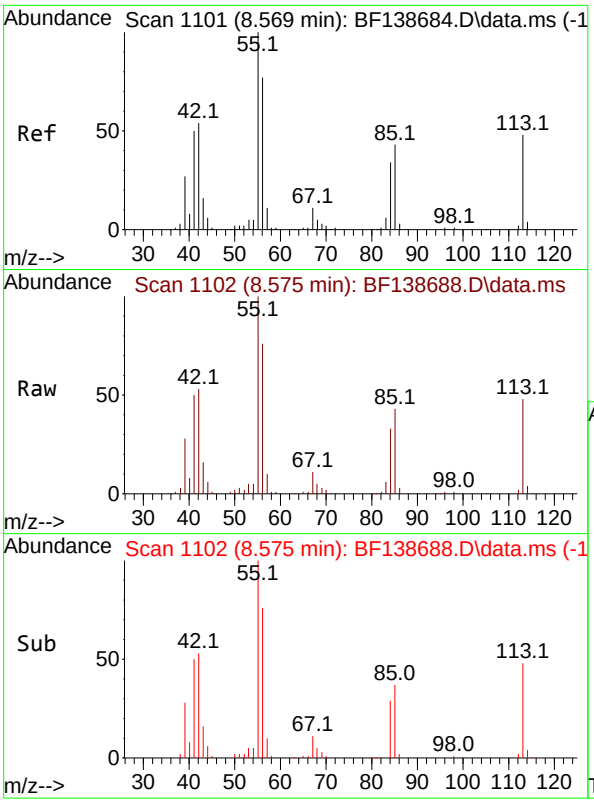


#34
Hexachlorobutadiene
Concen: 40.772 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



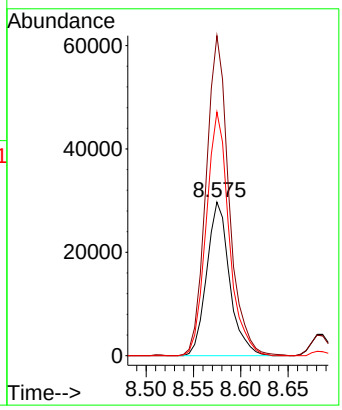


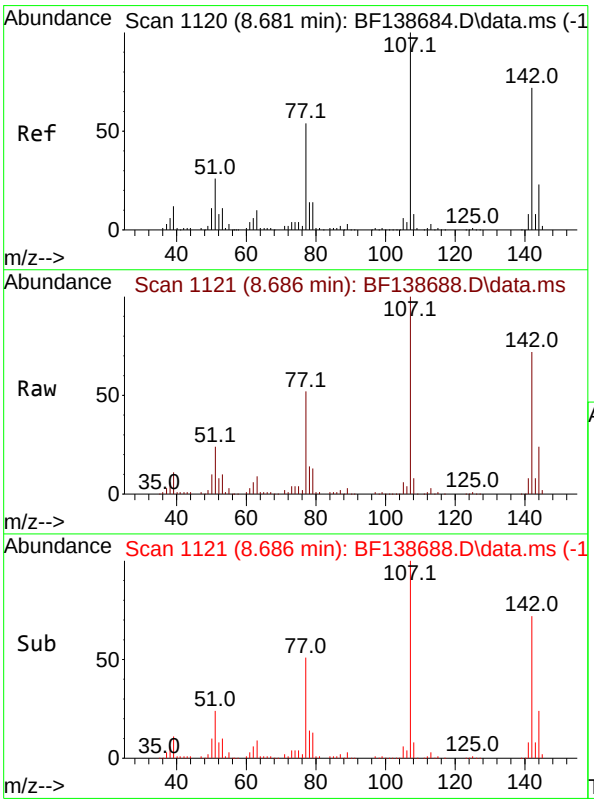
#35
Caprolactam
Concen: 38.365 ng
RT: 8.575 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

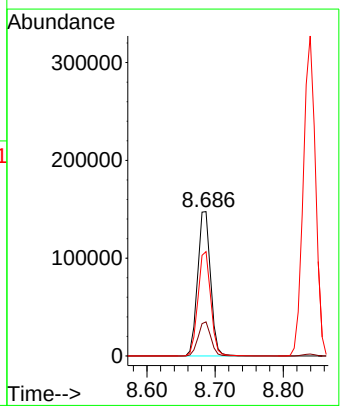


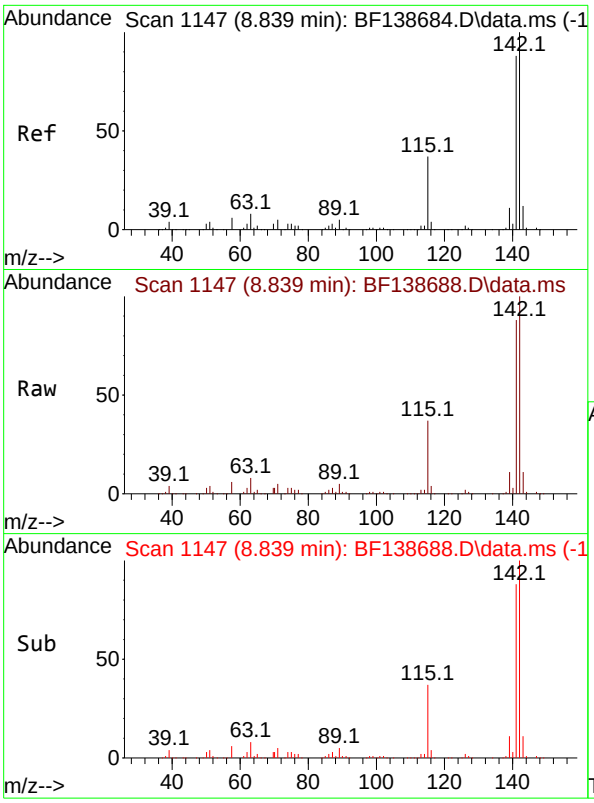


#36
4-Chloro-3-methylphenol
Concen: 39.164 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



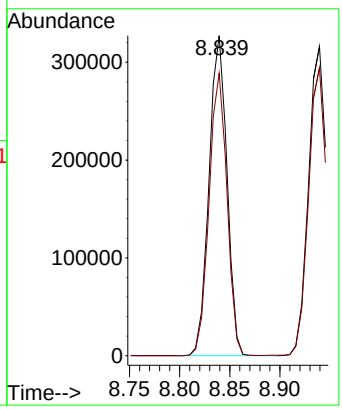


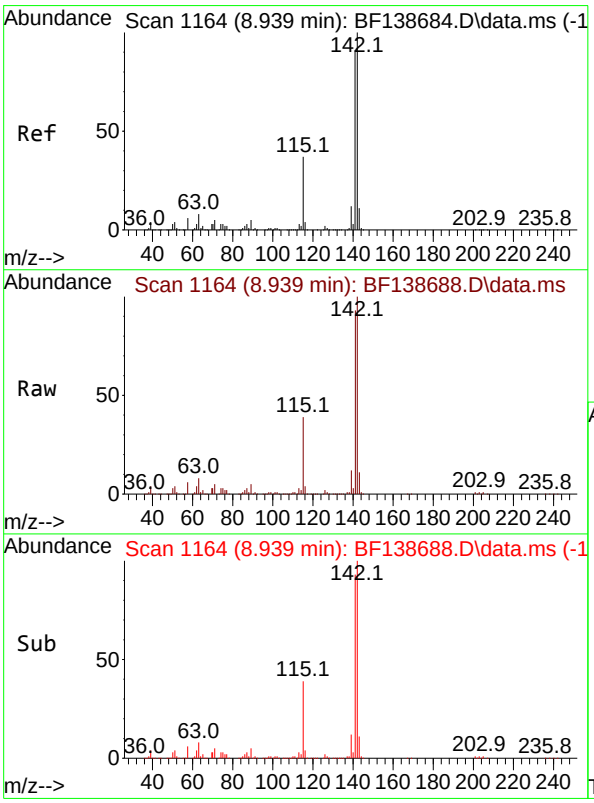
#37
2-Methylnaphthalene
Concen: 38.836 ng
RT: 8.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Instrument :
BNA_F
ClientSampleId :
ICVBF073024

Tgt Ion:142 Resp: 408106

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

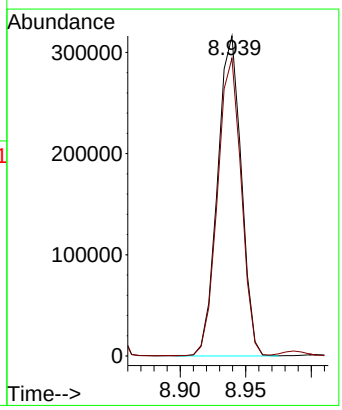


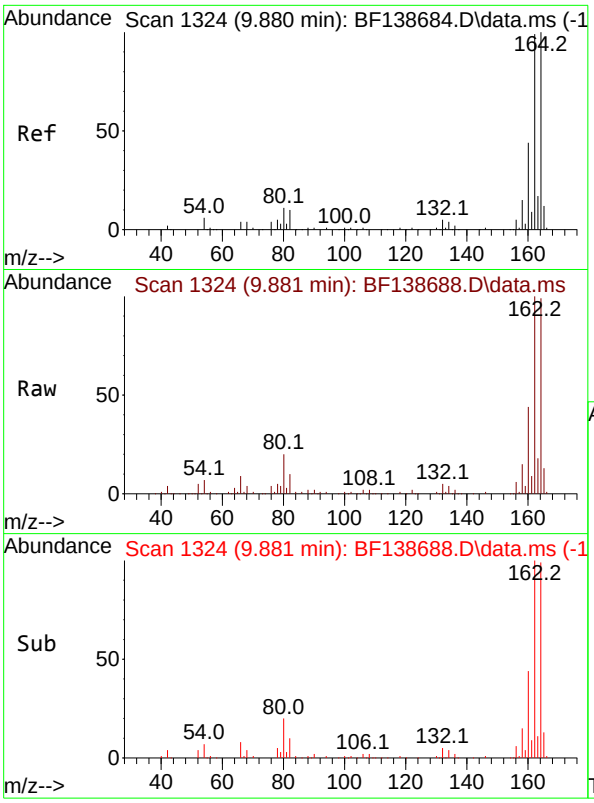


#38
1-Methylnaphthalene
Concen: 38.666 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

Tgt Ion:142 Resp: 398155

Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.1	109.7



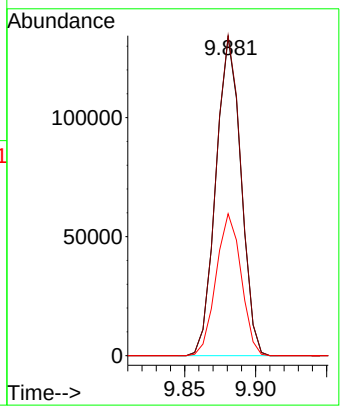


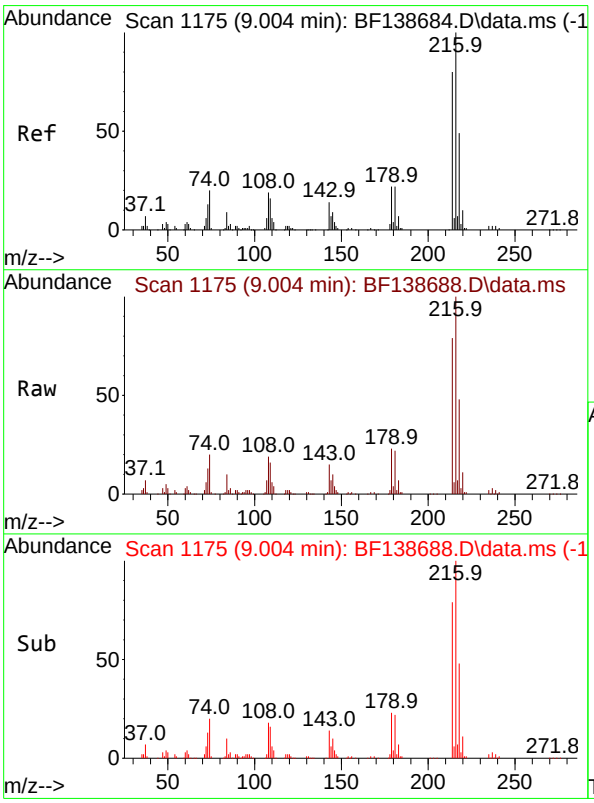
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

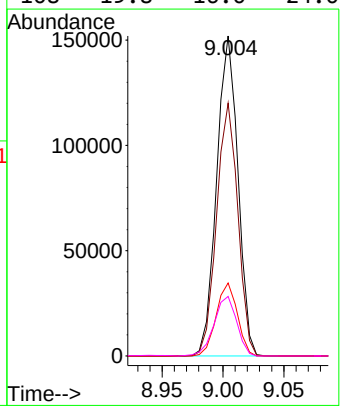


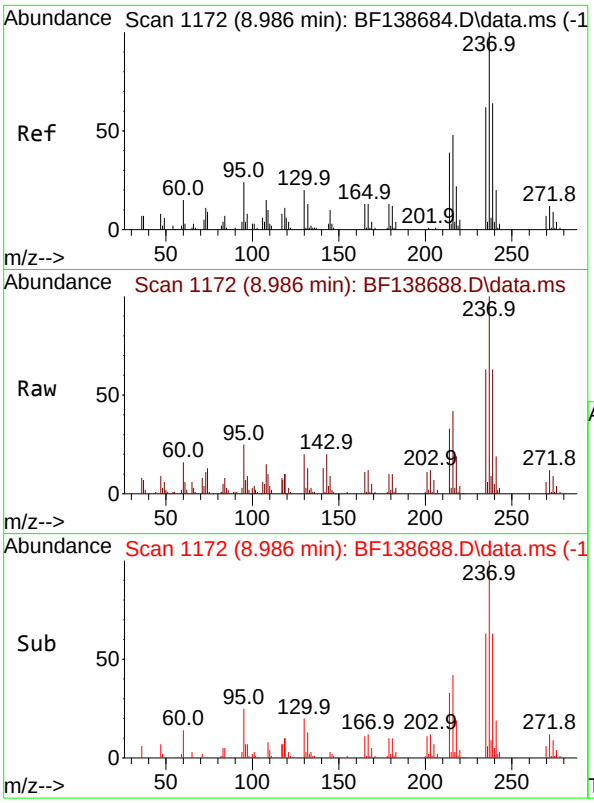


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.554 ng
RT: 9.004 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



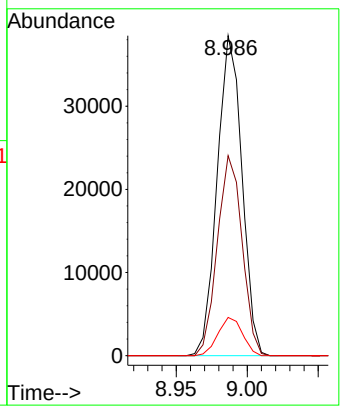


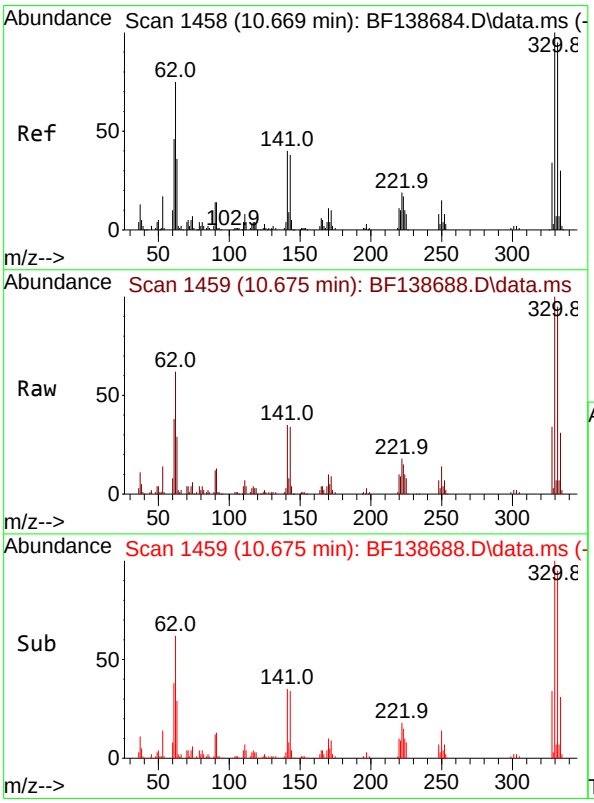
#41
Hexachlorocyclopentadiene
Concen: 42.278 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

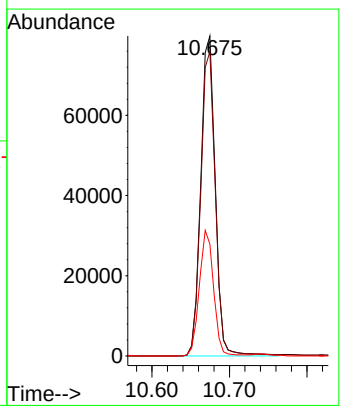


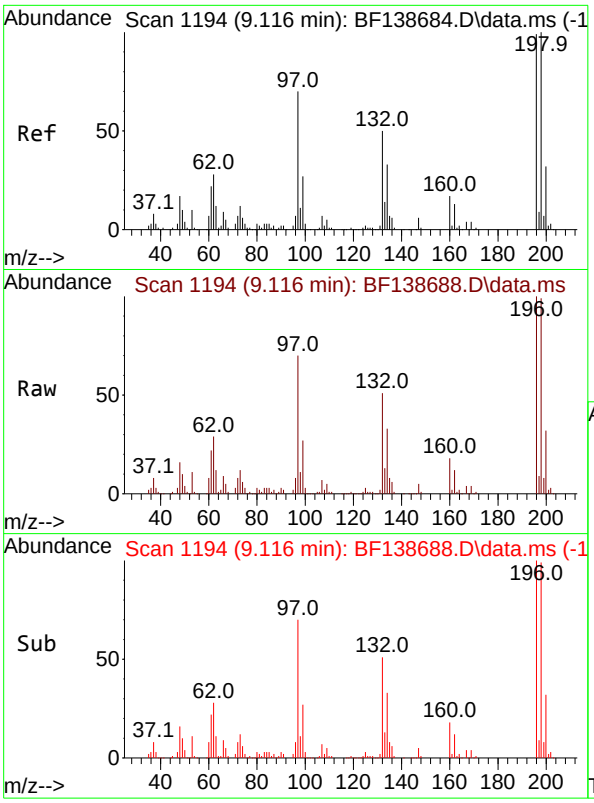


#42
2,4,6-Tribromophenol
Concen: 77.401 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



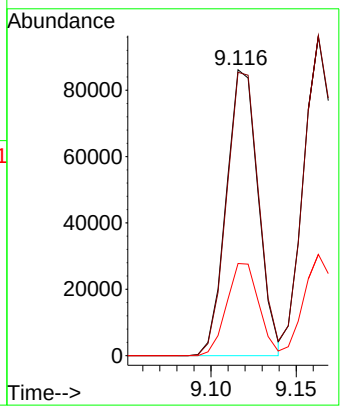


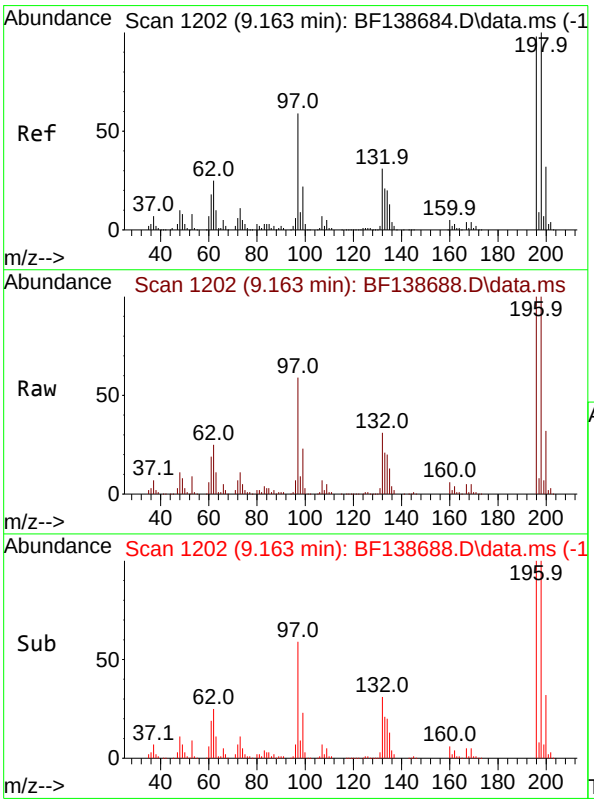
#43
2,4,6-Trichlorophenol
Concen: 40.384 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

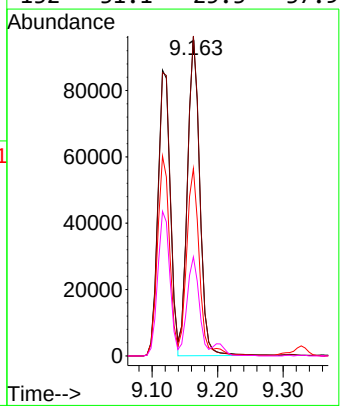


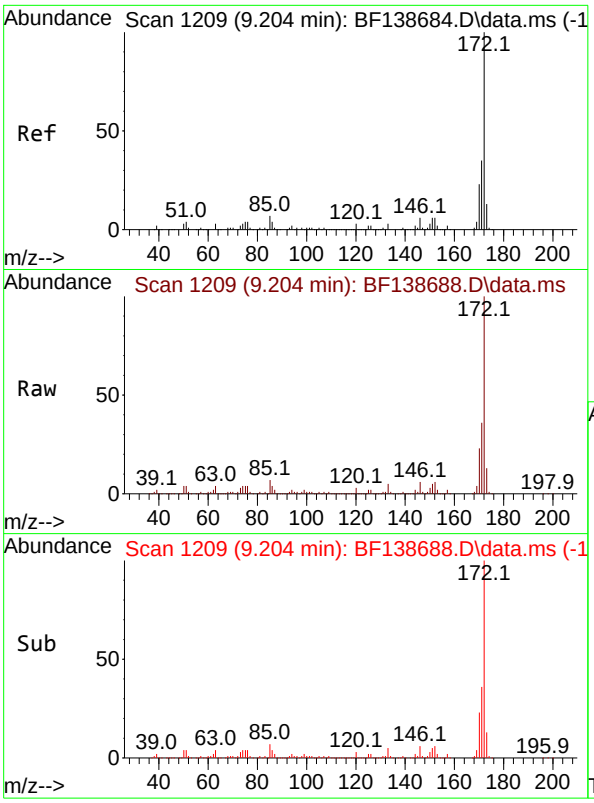


#44
2,4,5-Trichlorophenol
Concen: 41.011 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



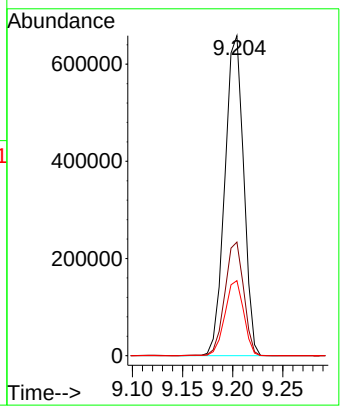


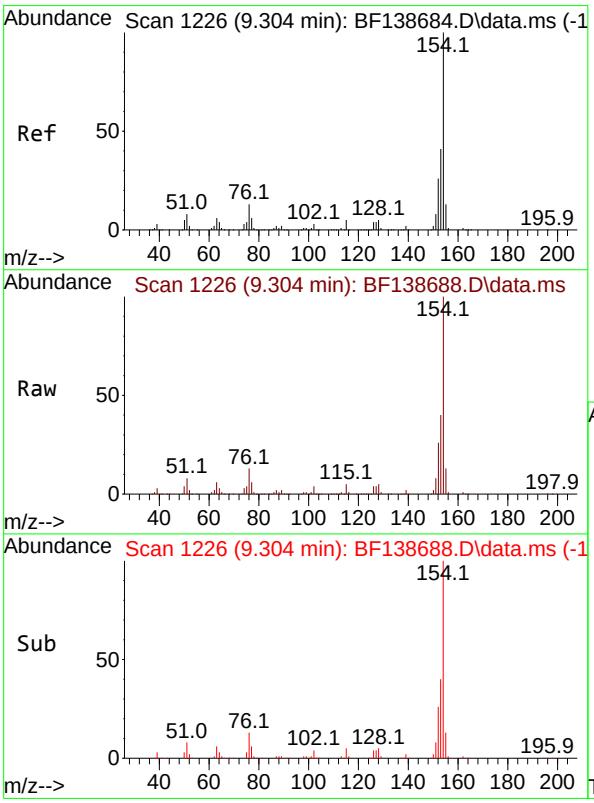
#45
2-Fluorobiphenyl
Concen: 78.500 ng
RT: 9.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

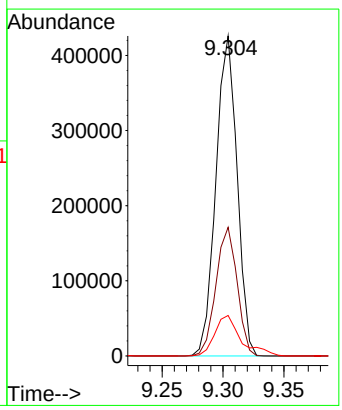


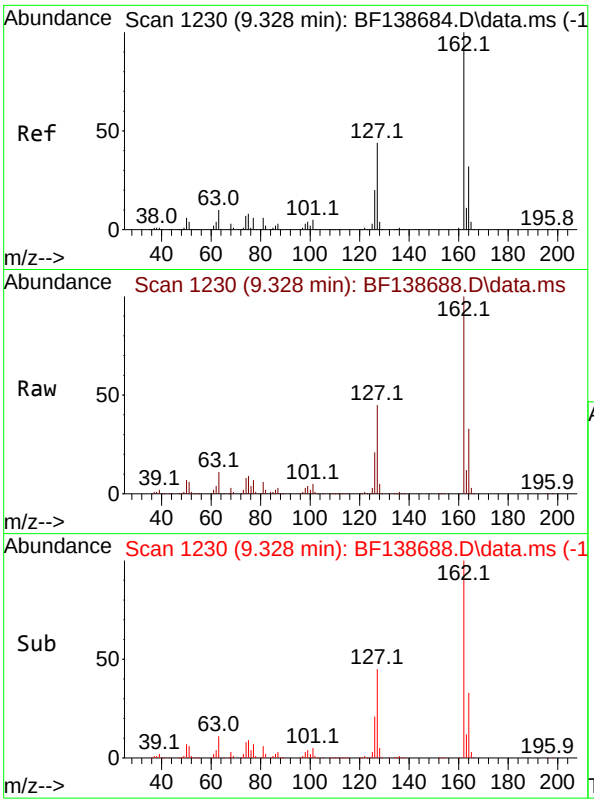


#46
1,1'-Biphenyl
Concen: 40.156 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



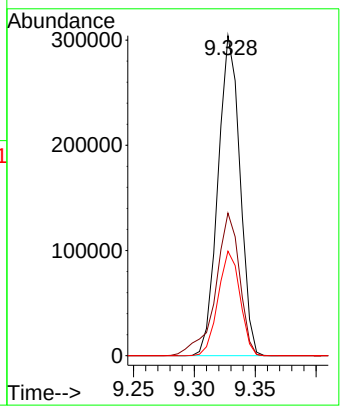


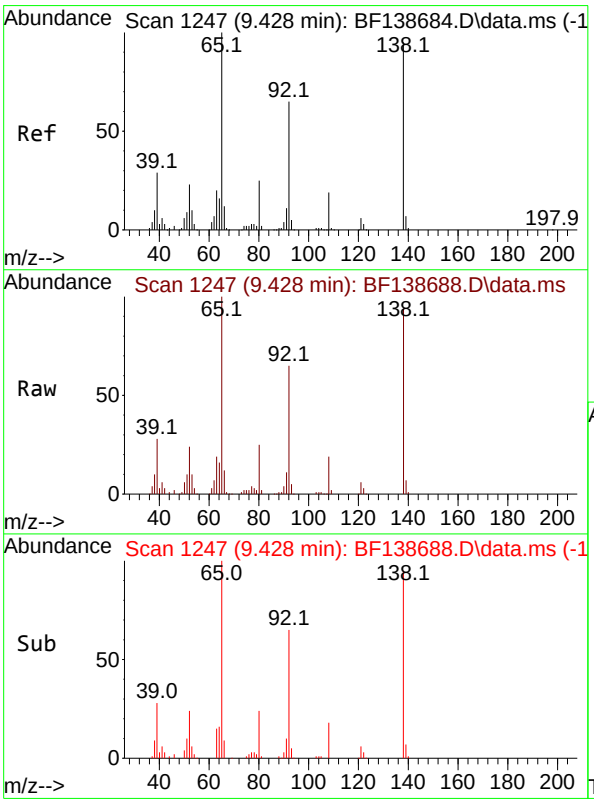
#47
2-Chloronaphthalene
Concen: 39.966 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

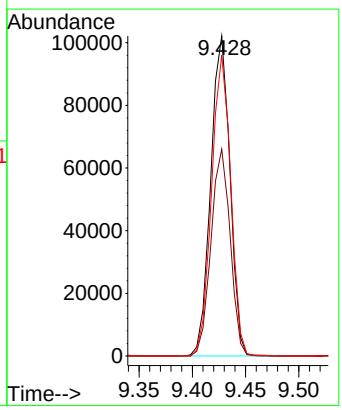


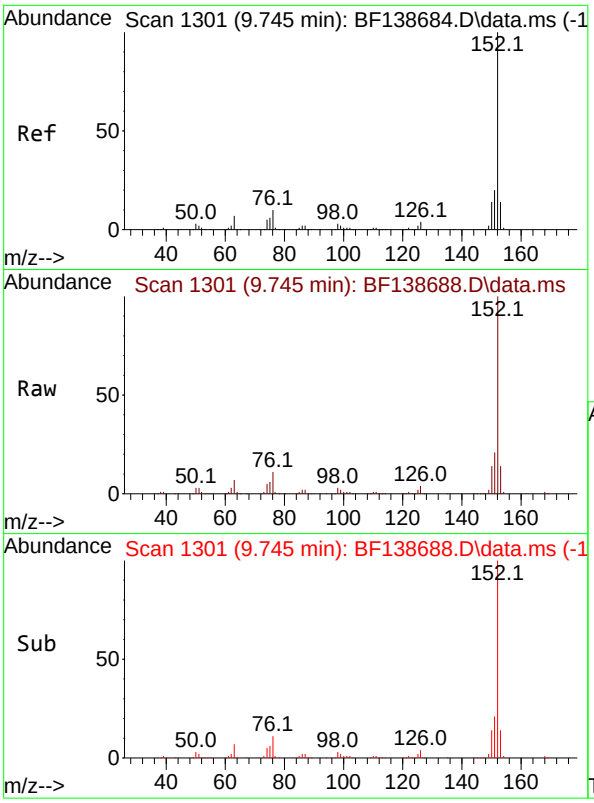


#48
2-Nitroaniline
Concen: 39.505 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



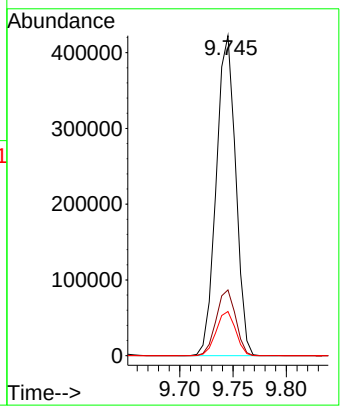


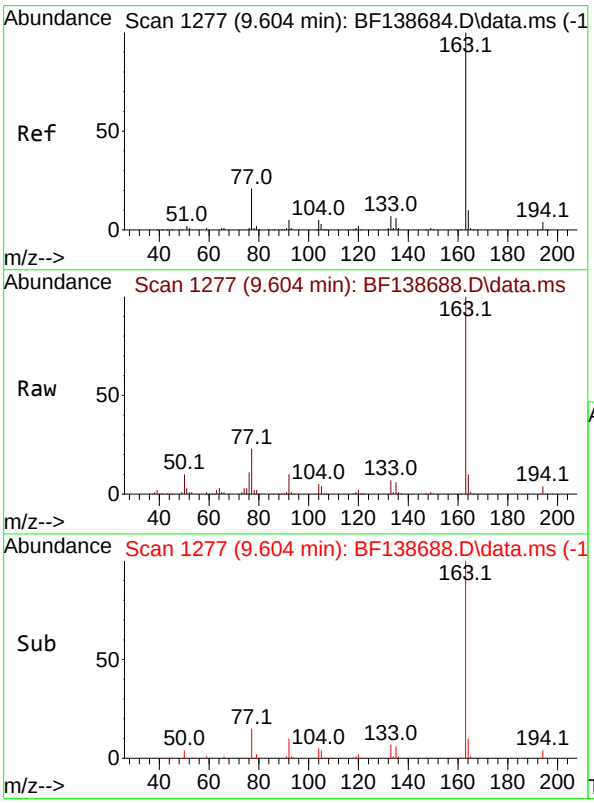
#49
Acenaphthylene
Concen: 39.504 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

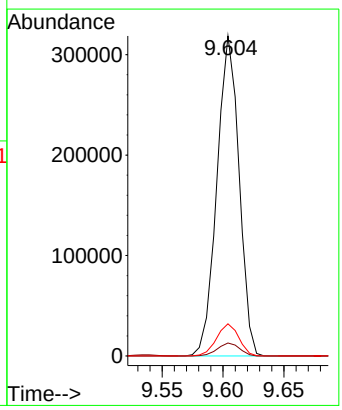


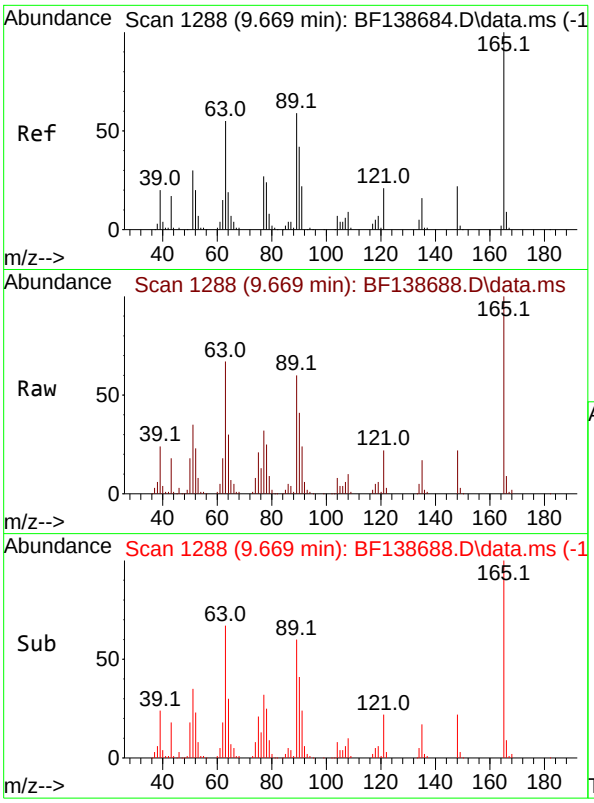


#50
Dimethylphthalate
Concen: 38.458 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



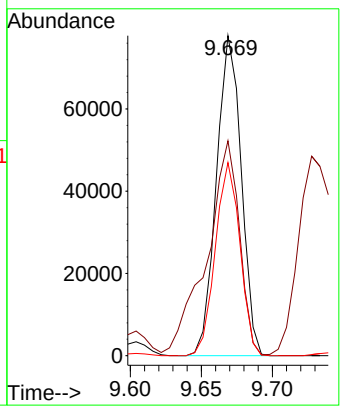


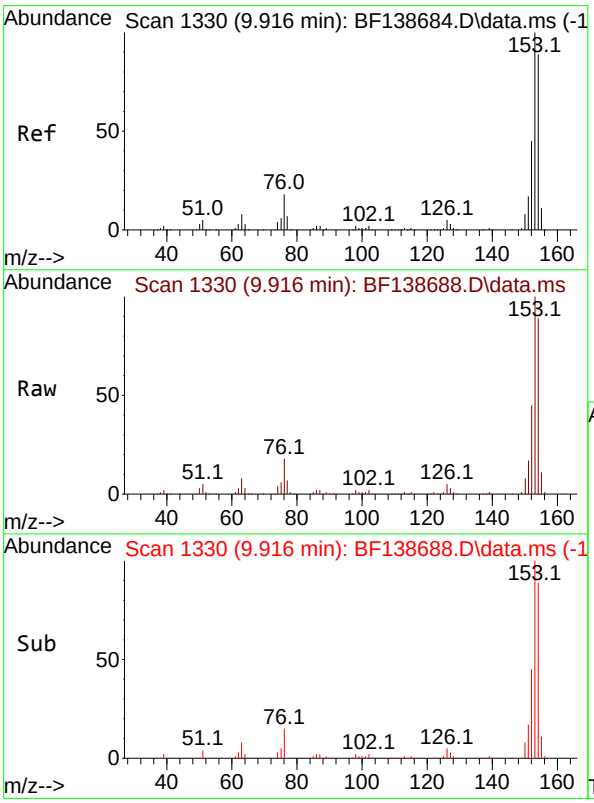
#51
2,6-Dinitrotoluene
Concen: 39.895 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

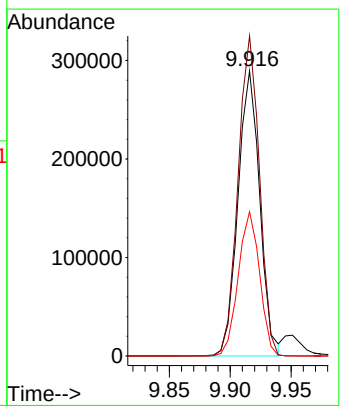


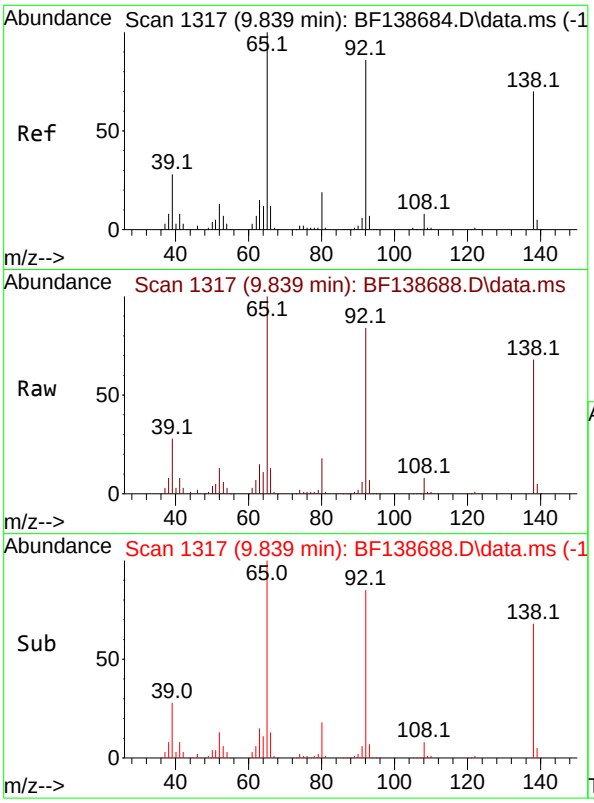


#52
Acenaphthene
Concen: 39.456 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



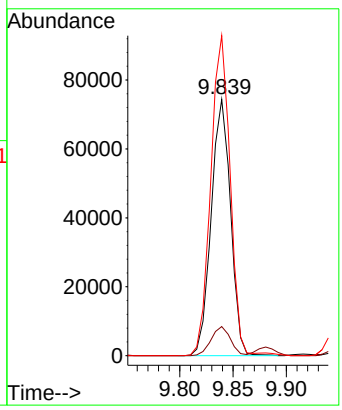


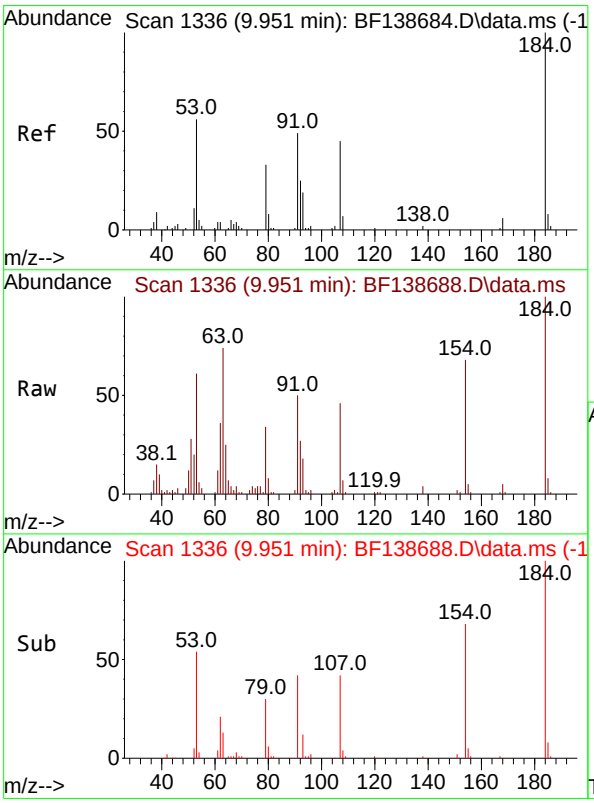
#53
3-Nitroaniline
Concen: 38.306 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

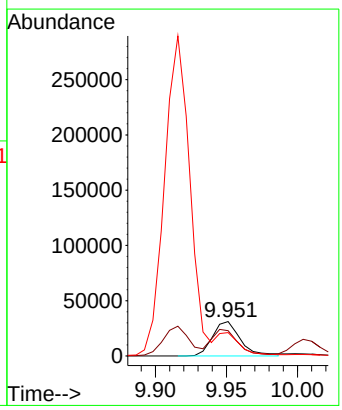


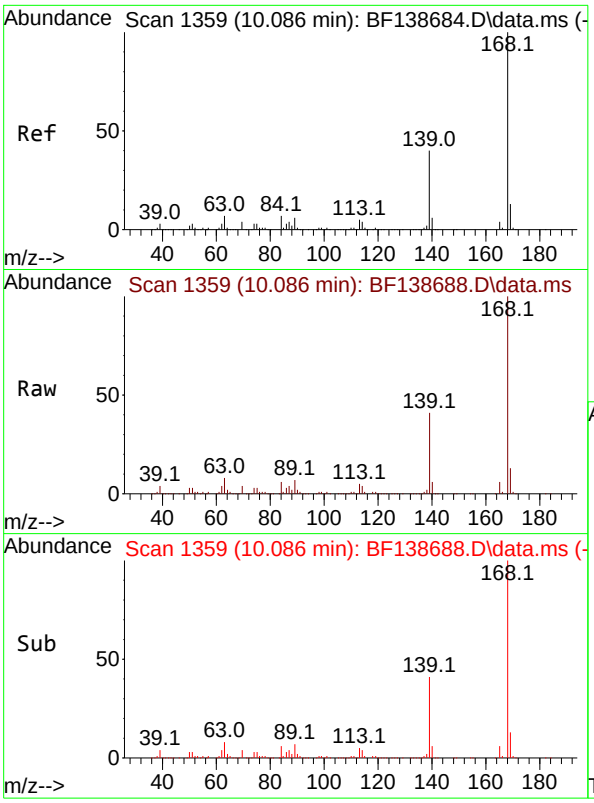


#54
2,4-Dinitrophenol
Concen: 39.106 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



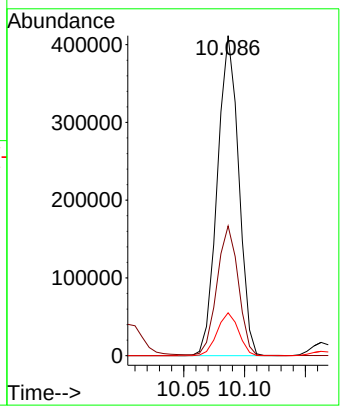


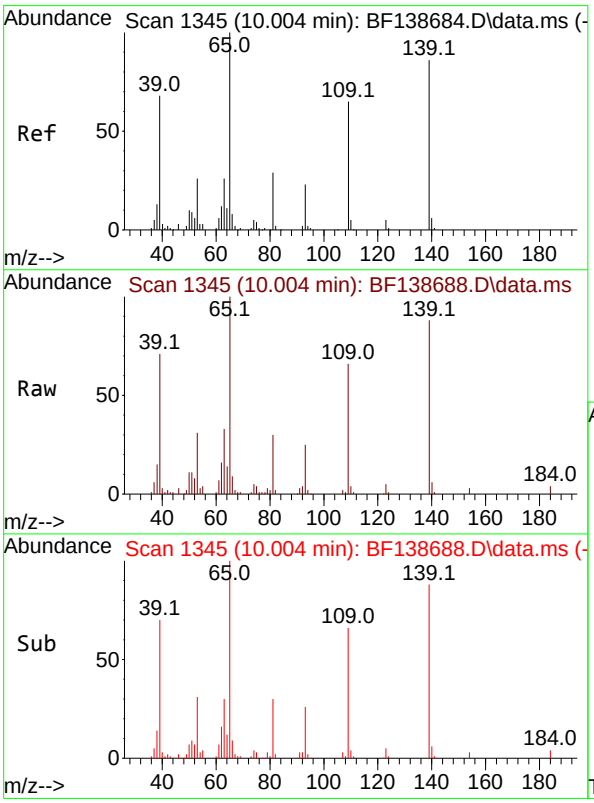
#55
Dibenzofuran
Concen: 38.997 ng
RT: 10.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

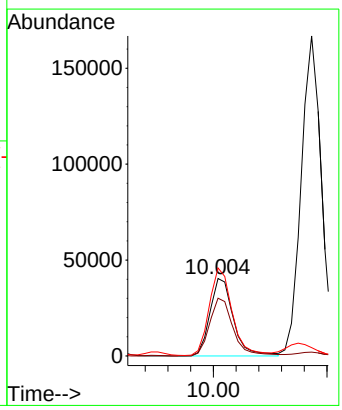


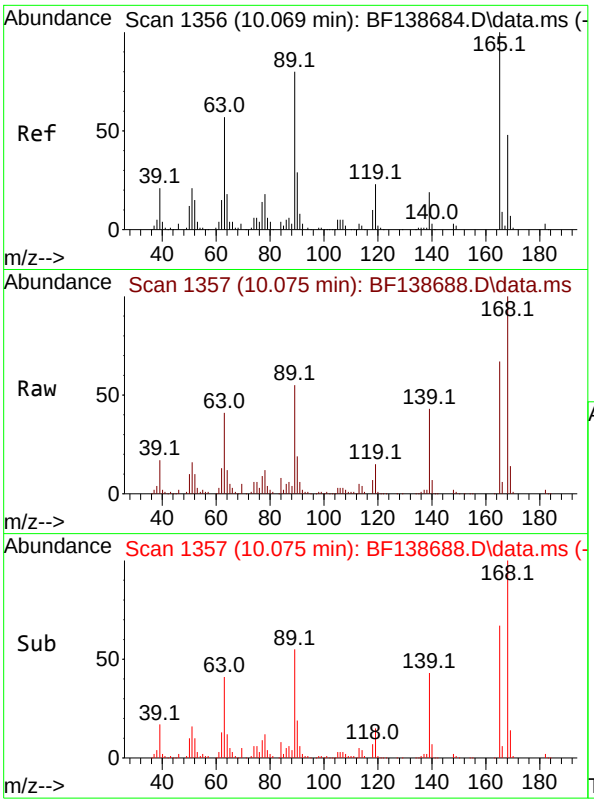


#56
4-Nitrophenol
Concen: 39.336 ng
RT: 10.004 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



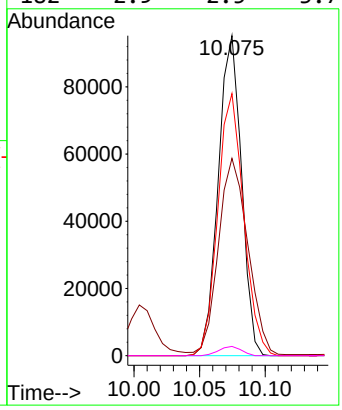


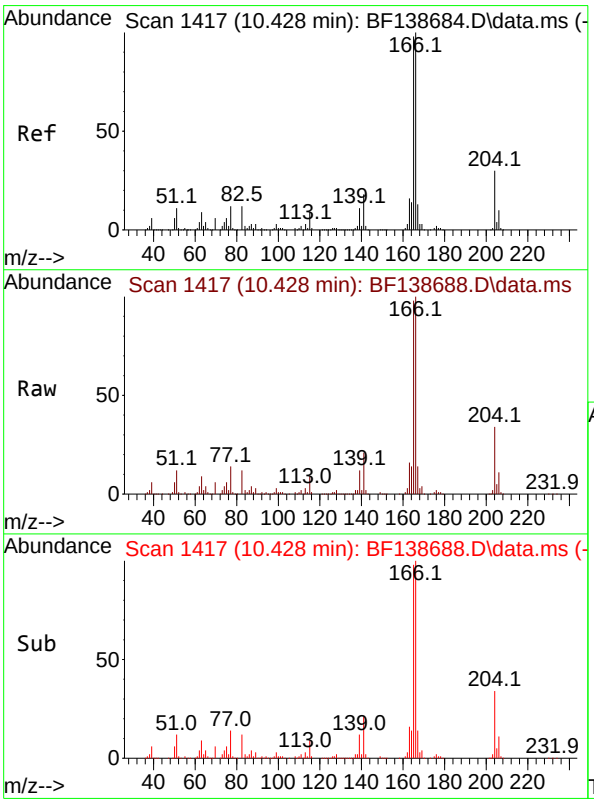
#57
2,4-Dinitrotoluene
Concen: 38.673 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

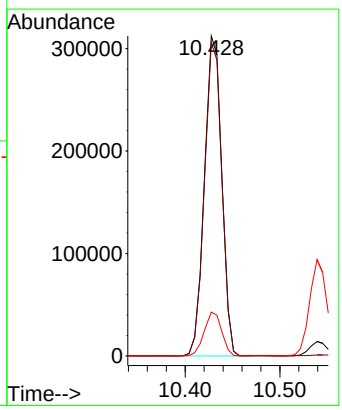


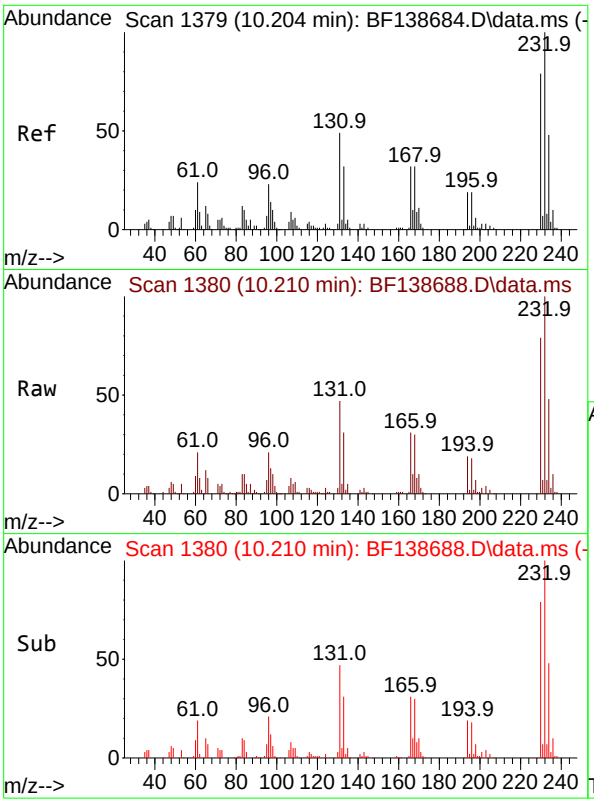


#58
Fluorene
Concen: 38.661 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



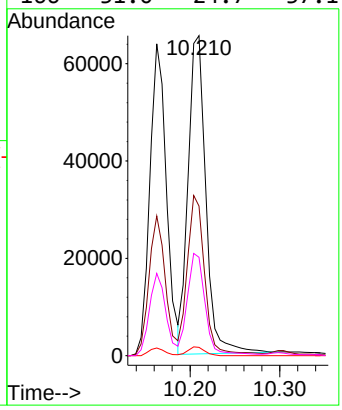


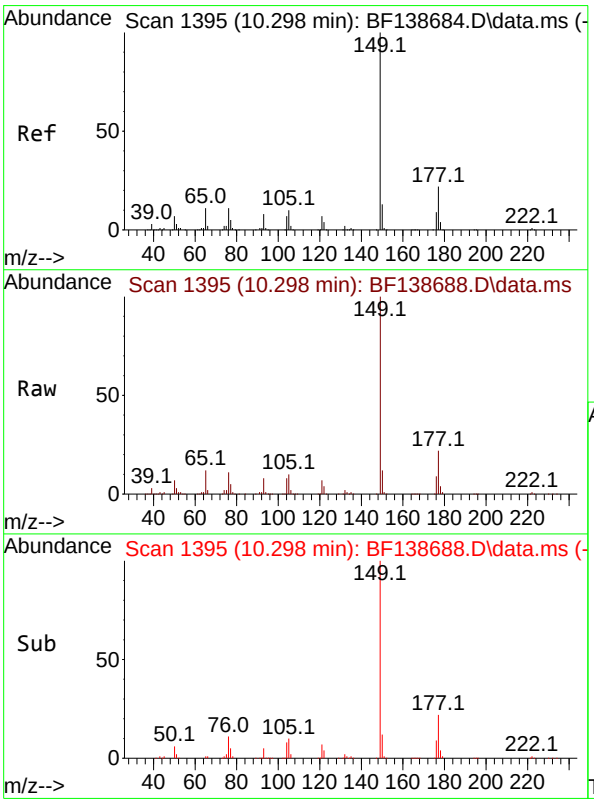
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.680 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

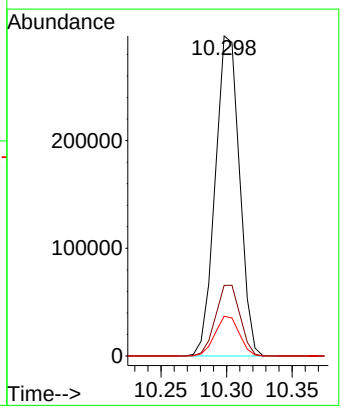


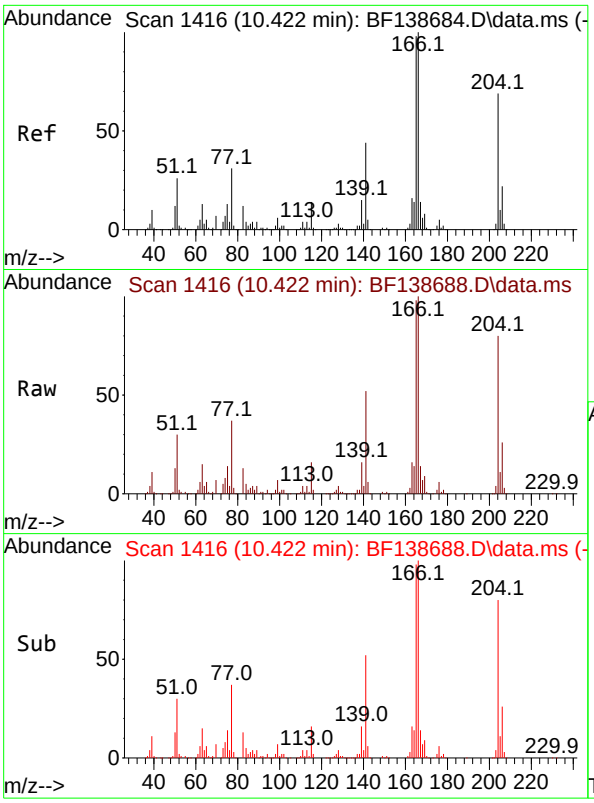


#60
Diethylphthalate
Concen: 38.447 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



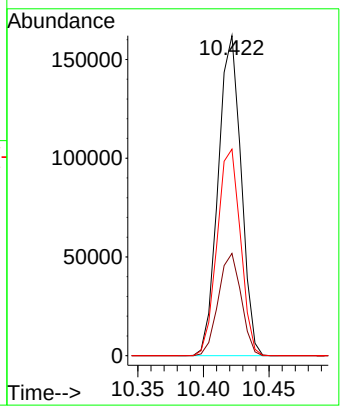


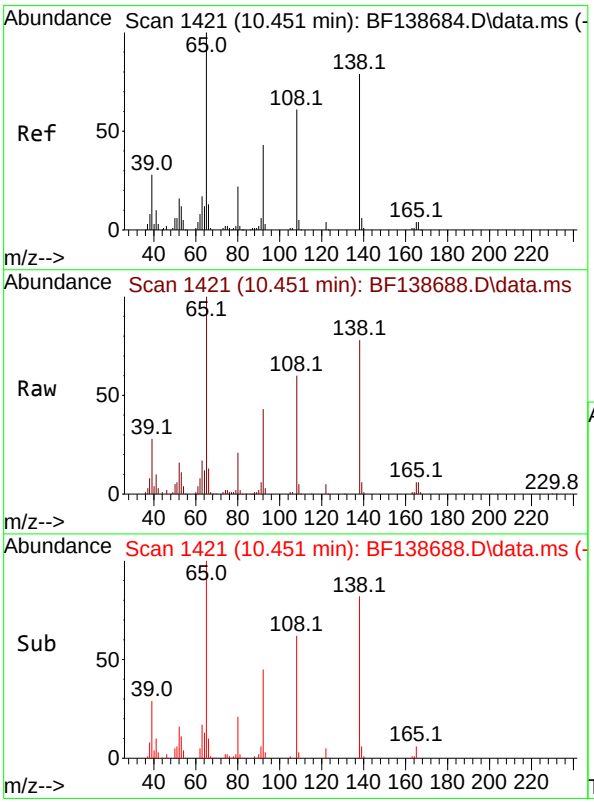
#61
4-Chlorophenyl-phenylether
Concen: 39.091 ng
RT: 10.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

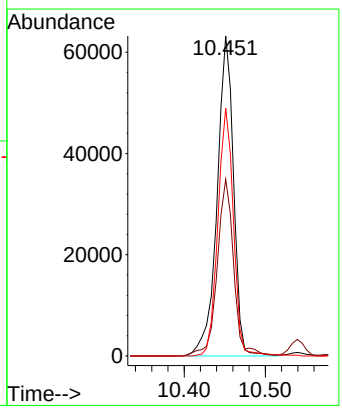


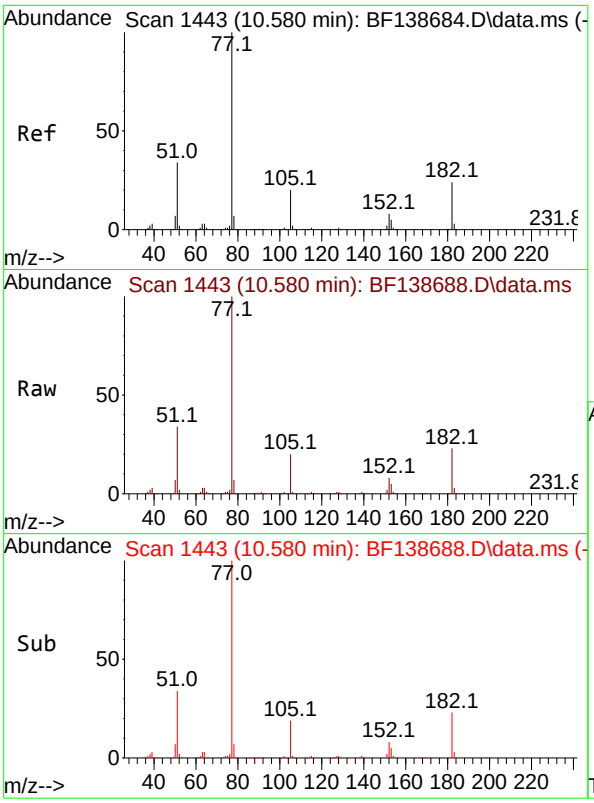


#62
4-Nitroaniline
Concen: 38.525 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



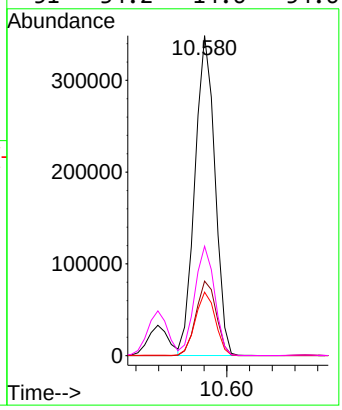


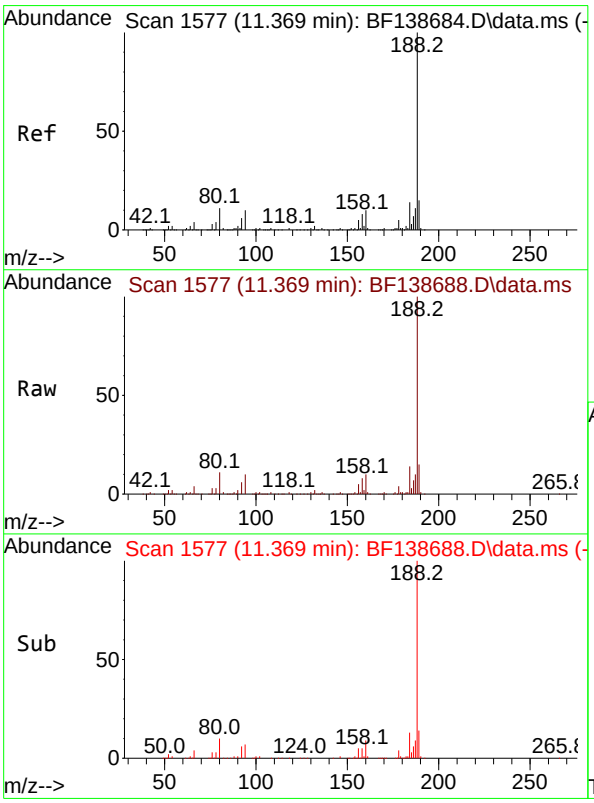
#63
Azobenzene
Concen: 38.622 ng
RT: 10.580 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

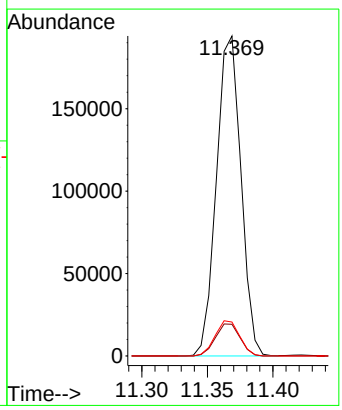


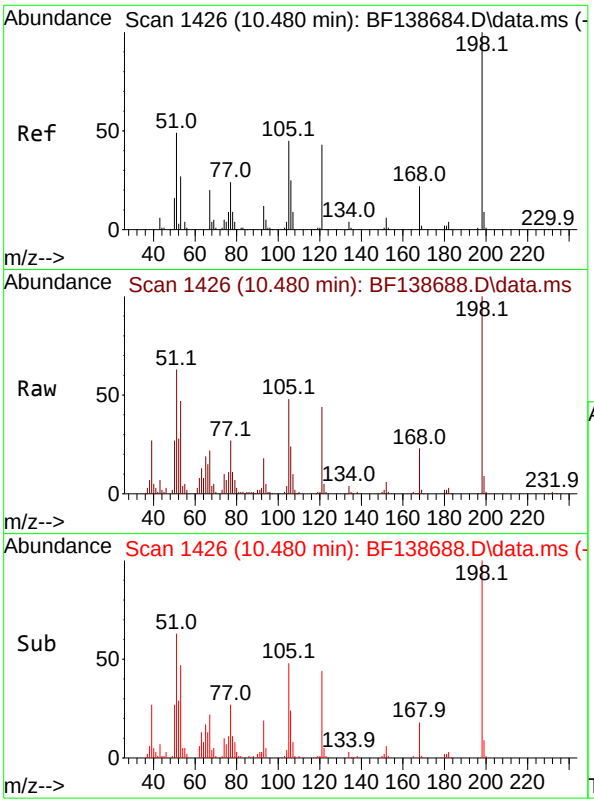


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



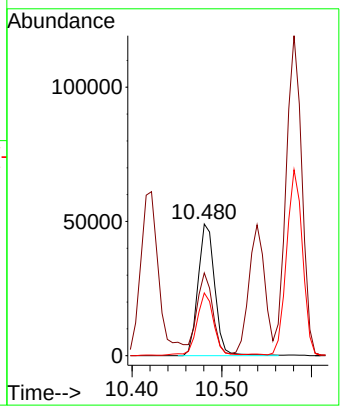


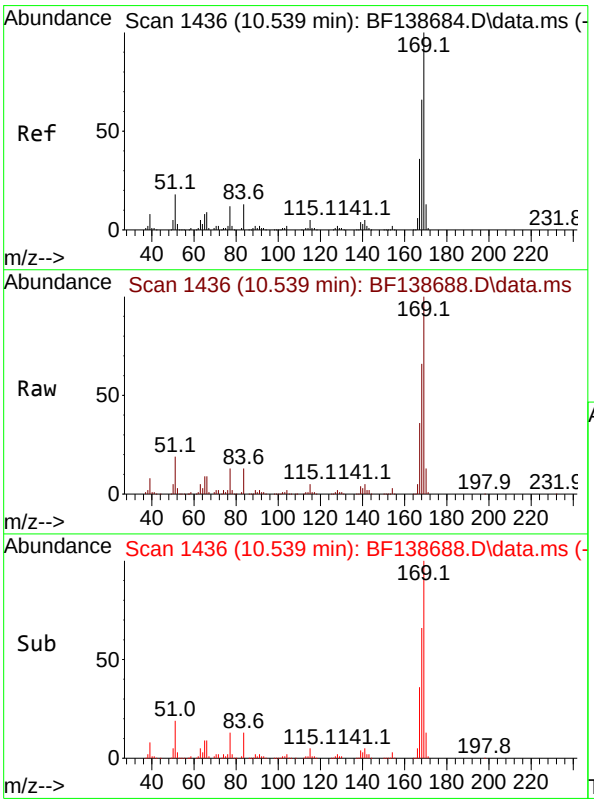
#65
4,6-Dinitro-2-methylphenol
Concen: 41.323 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

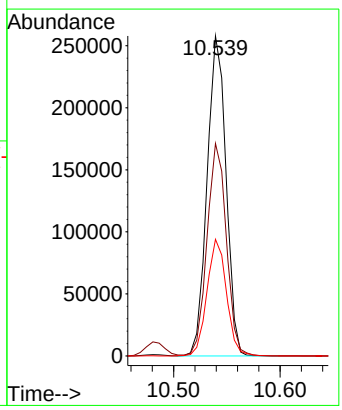


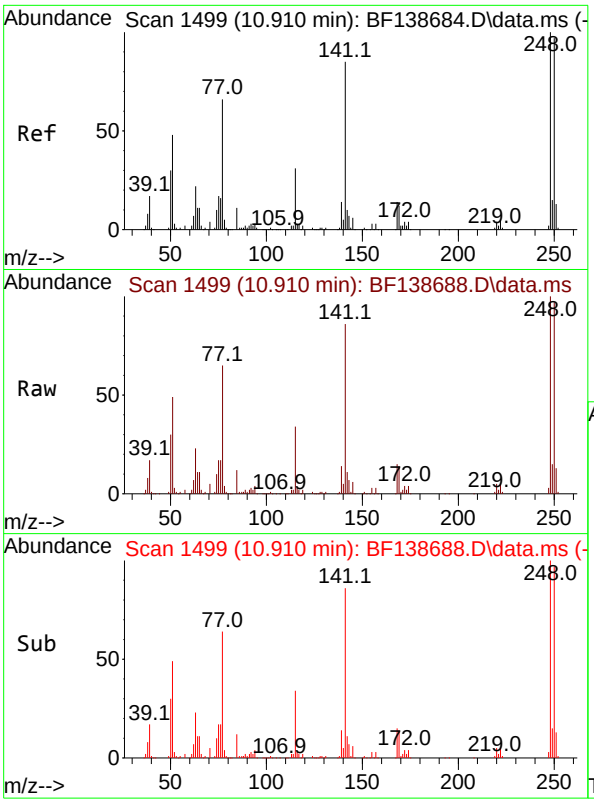


#66
n-Nitrosodiphenylamine
Concen: 40.561 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



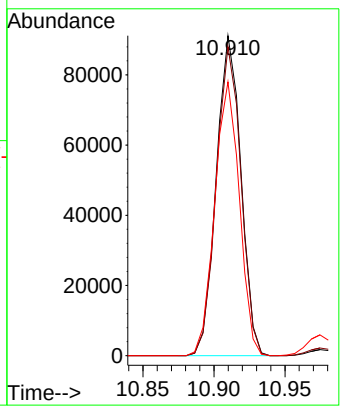


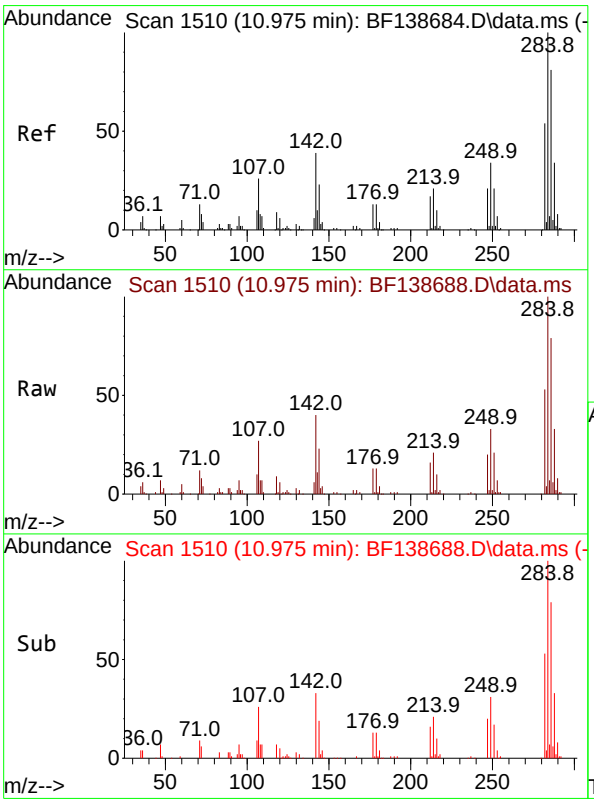
#67
4-Bromophenyl-phenylether
Concen: 40.390 ng
RT: 10.910 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

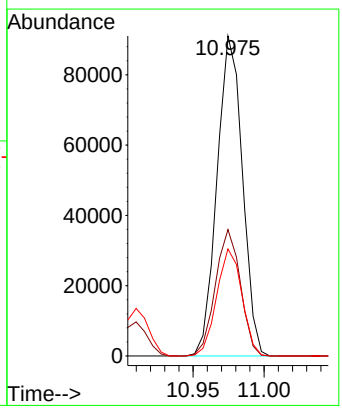


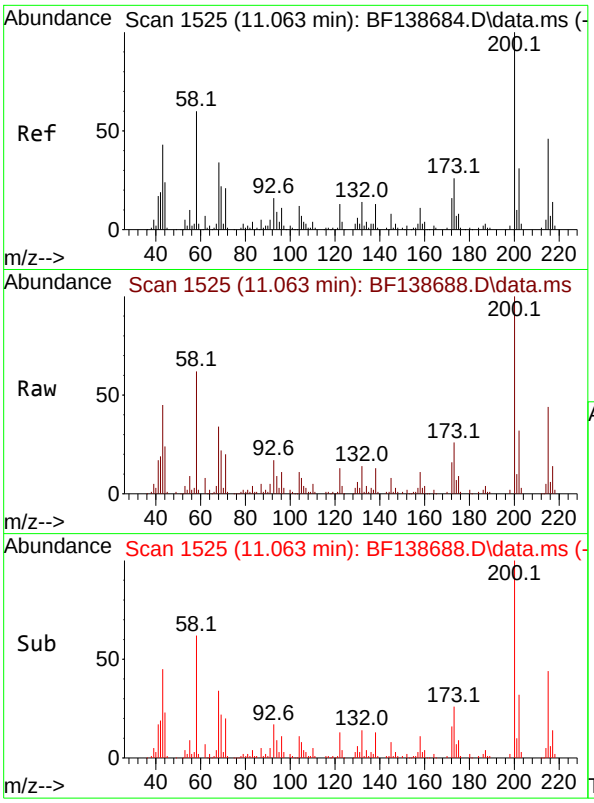


#68
Hexachlorobenzene
Concen: 40.147 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



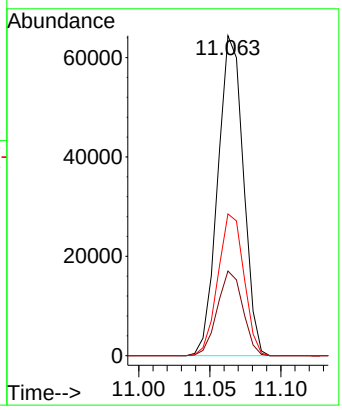


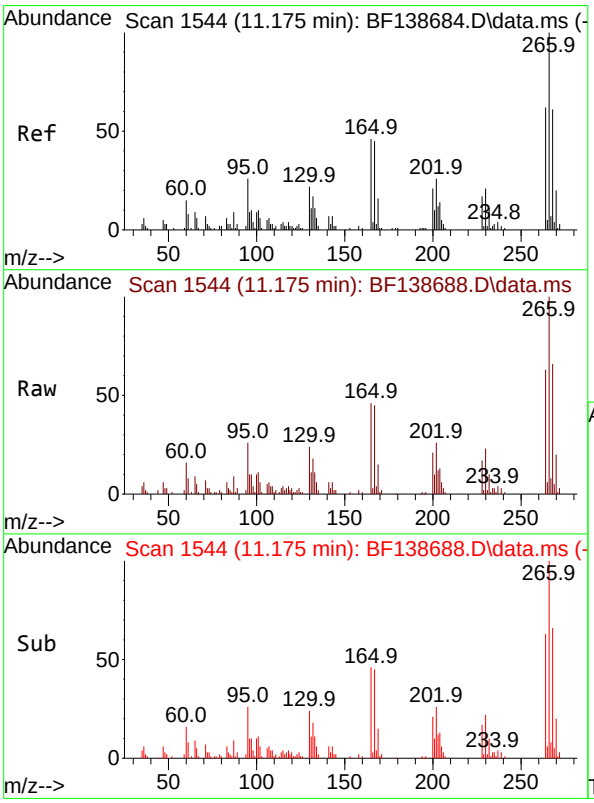
#69
Atrazine
Concen: 39.654 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

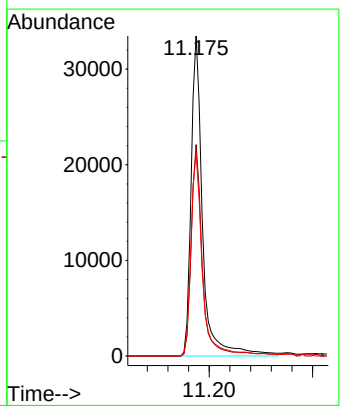


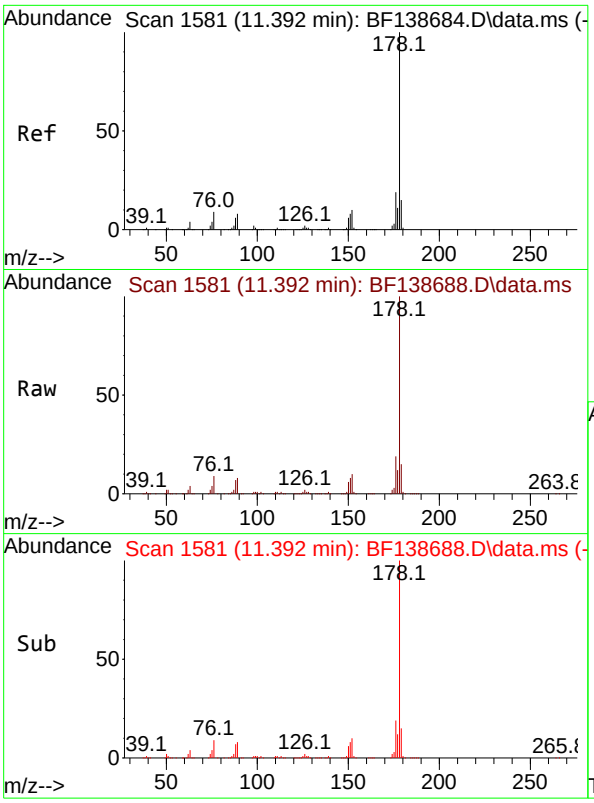


#70
Pentachlorophenol
Concen: 40.788 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



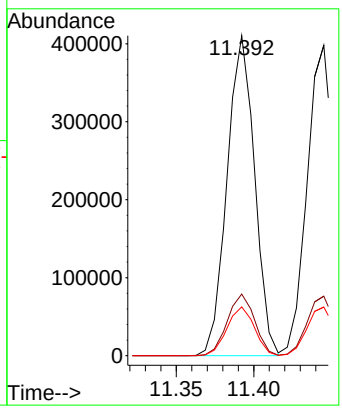


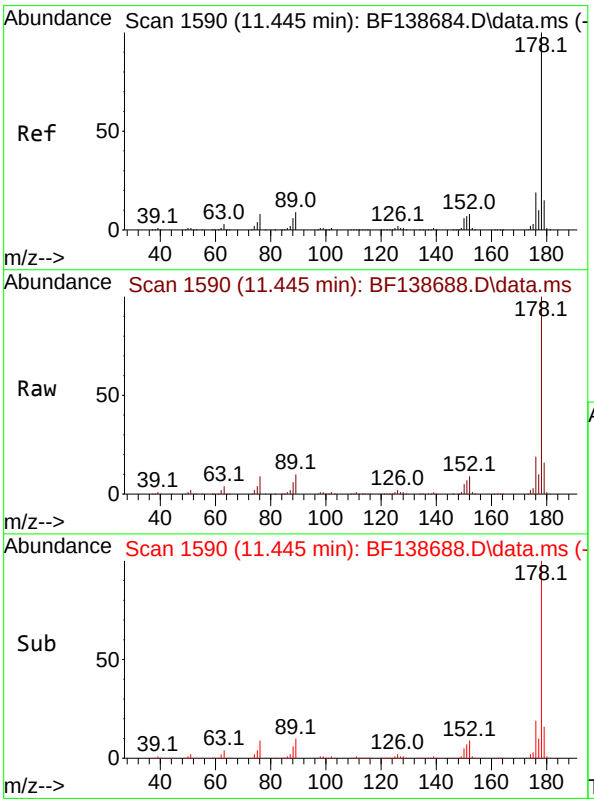
#71
Phenanthrene
Concen: 39.036 ng
RT: 11.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

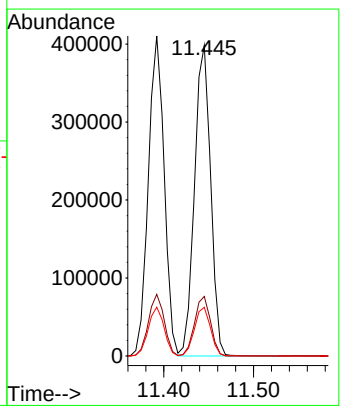


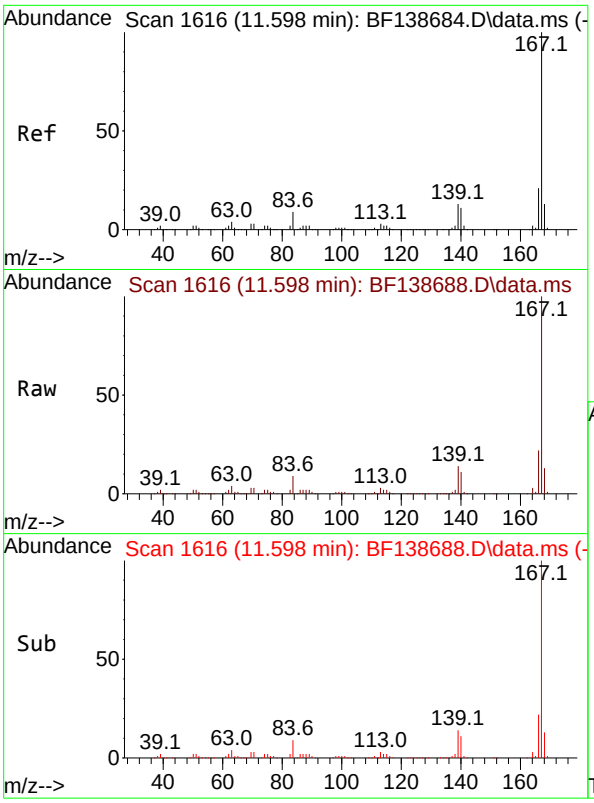


#72
Anthracene
Concen: 38.817 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



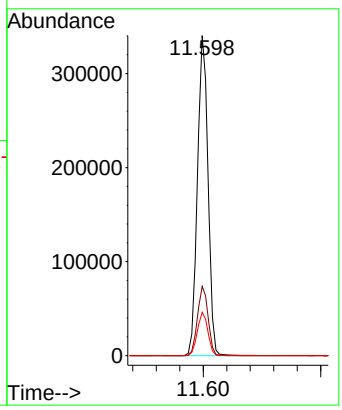


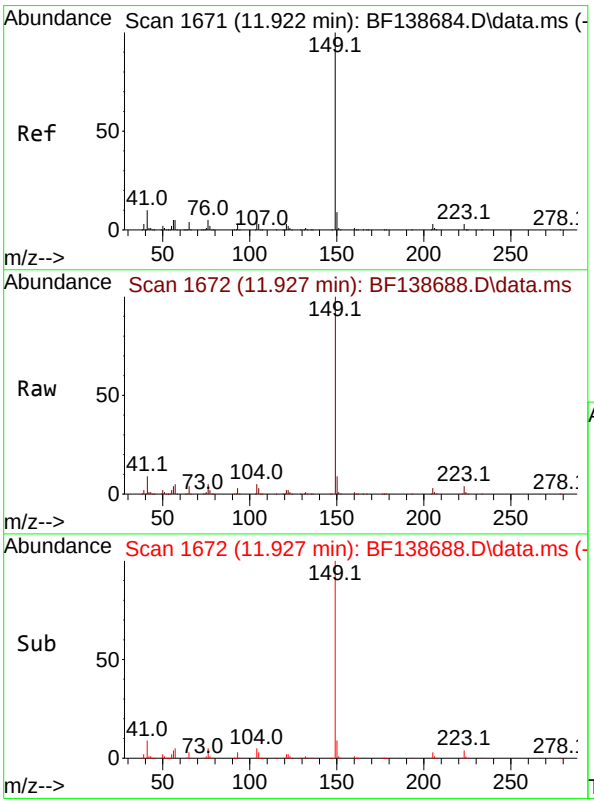
#73
Carbazole
Concen: 38.546 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

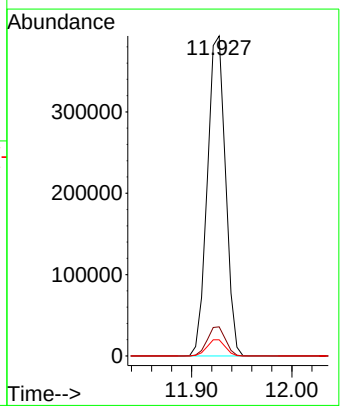


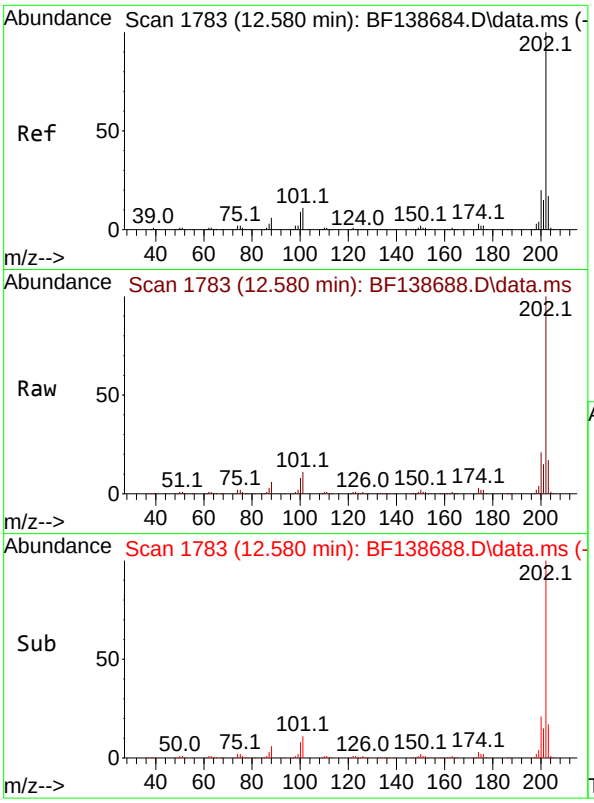


#74
Di-n-butylphthalate
Concen: 40.010 ng
RT: 11.927 min Scan# 1672
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



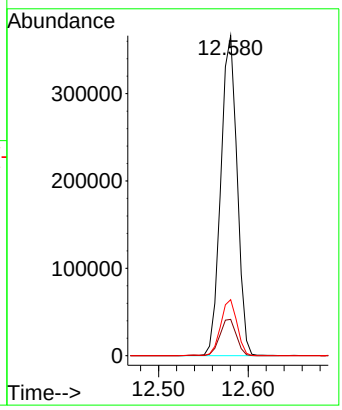


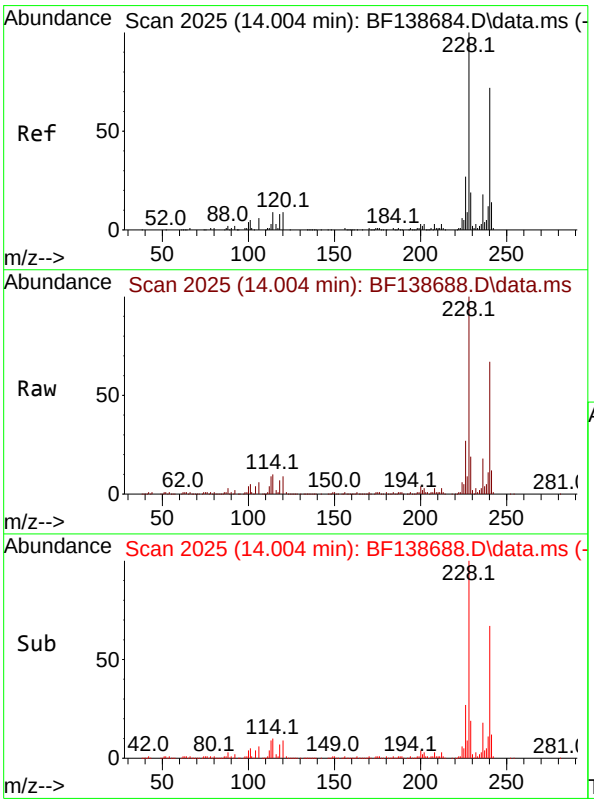
#75
Fluoranthene
Concen: 38.250 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

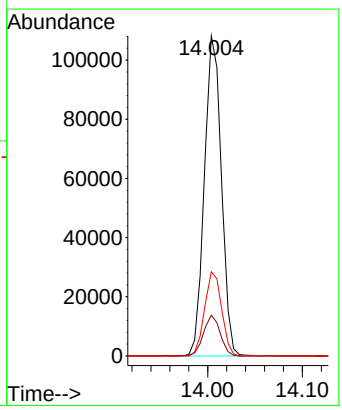


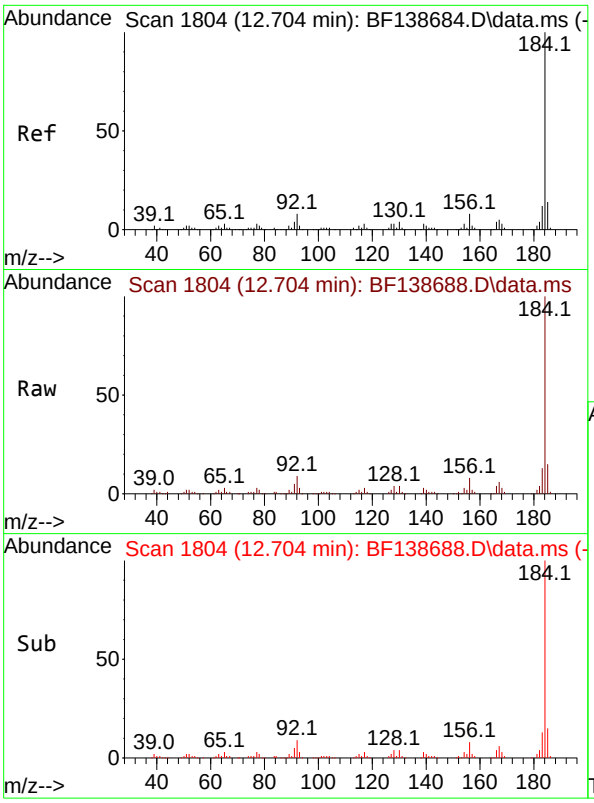


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



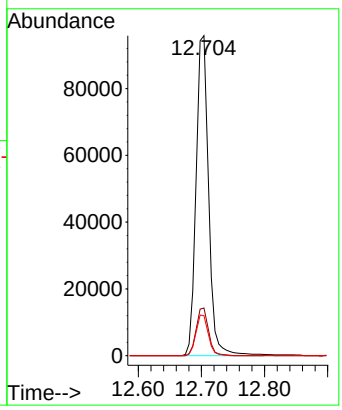


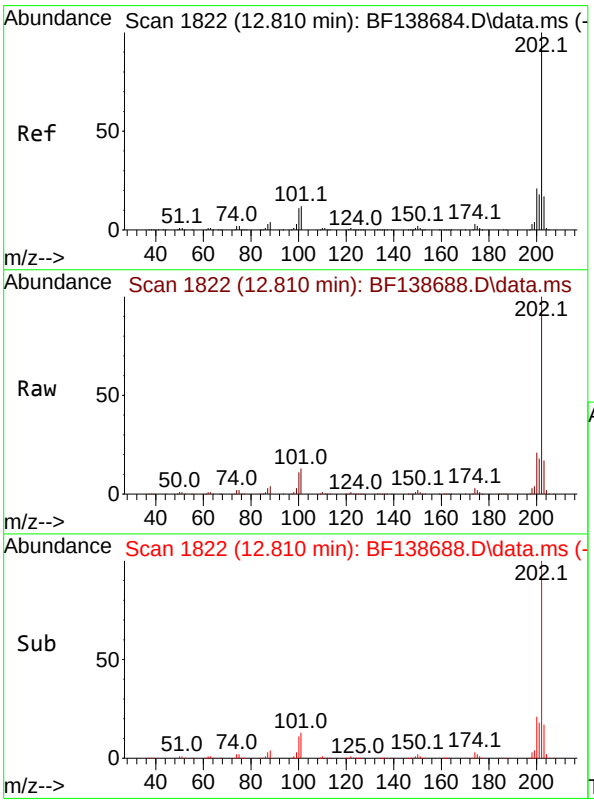
#77
Benzidine
Concen: 41.166 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

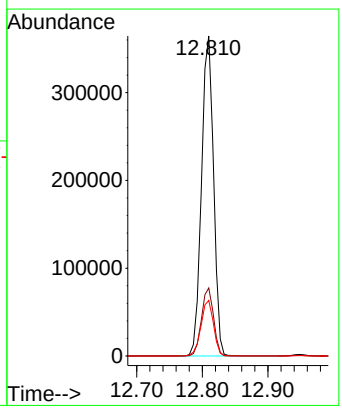


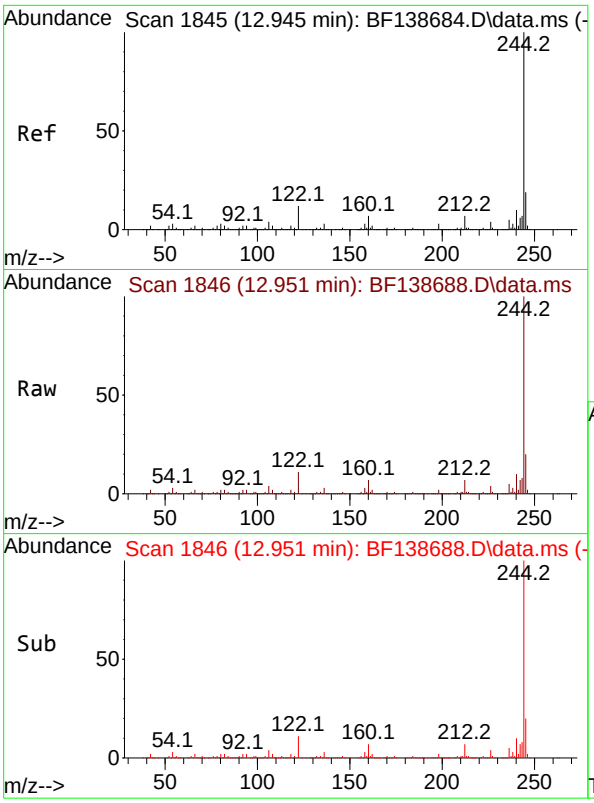


#78
Pyrene
Concen: 36.907 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



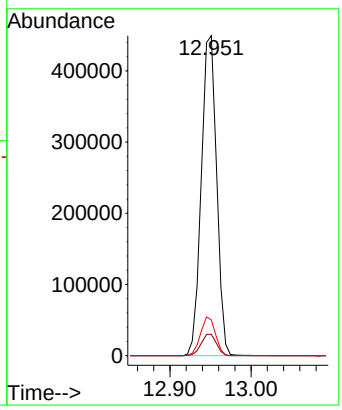


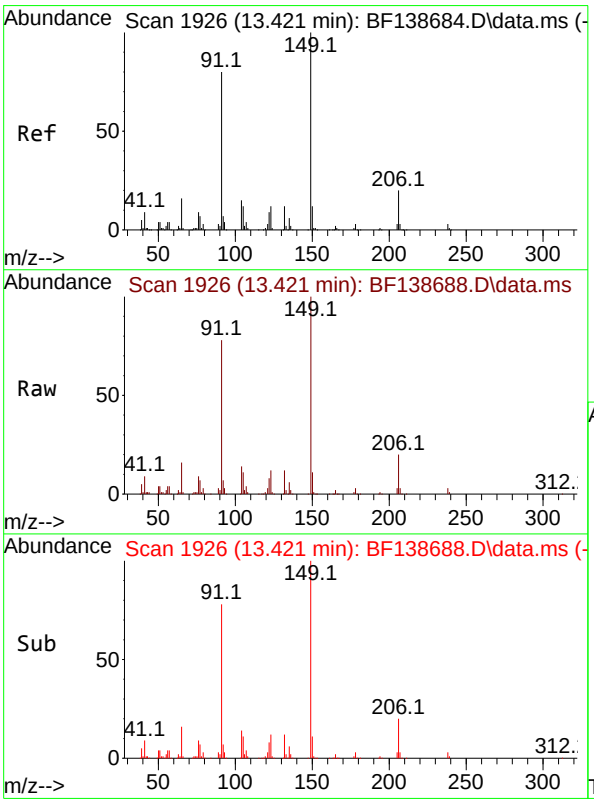
#79
Terphenyl-d14
Concen: 73.396 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

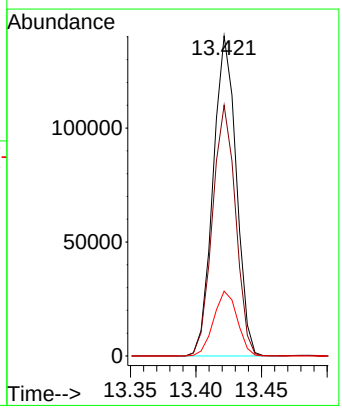


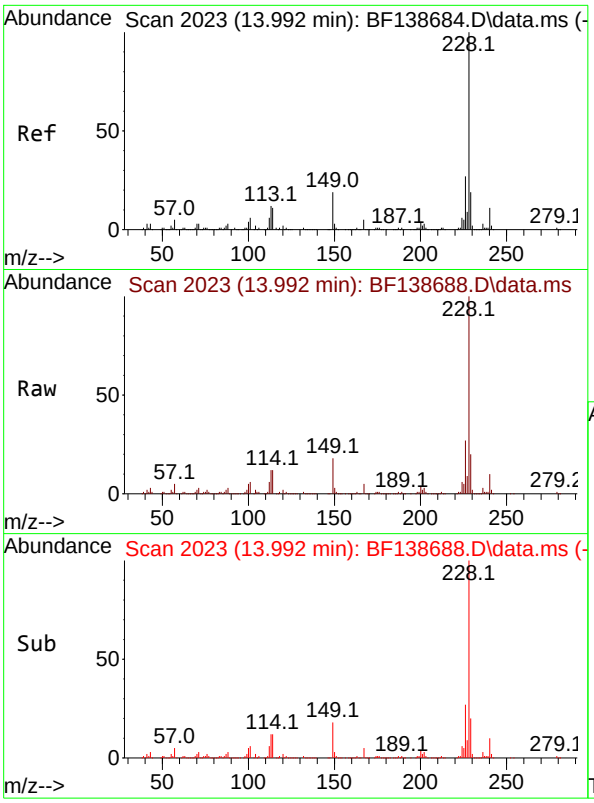


#80
Butylbenzylphthalate
Concen: 42.425 ng
RT: 13.421 min Scan# 1926
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



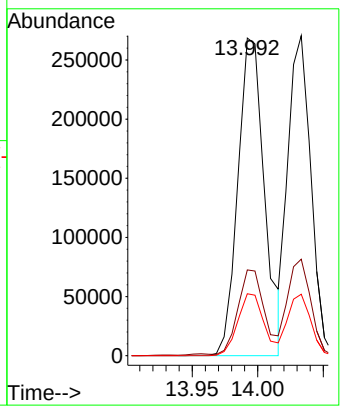


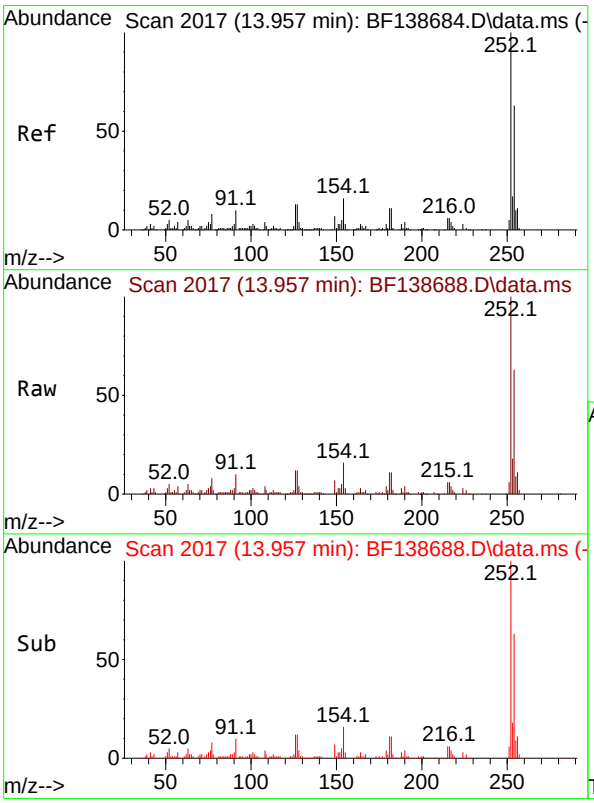
#81
Benzo(a)anthracene
Concen: 40.994 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

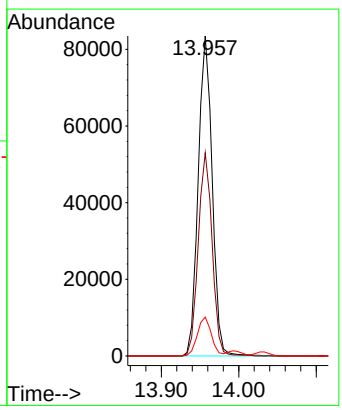


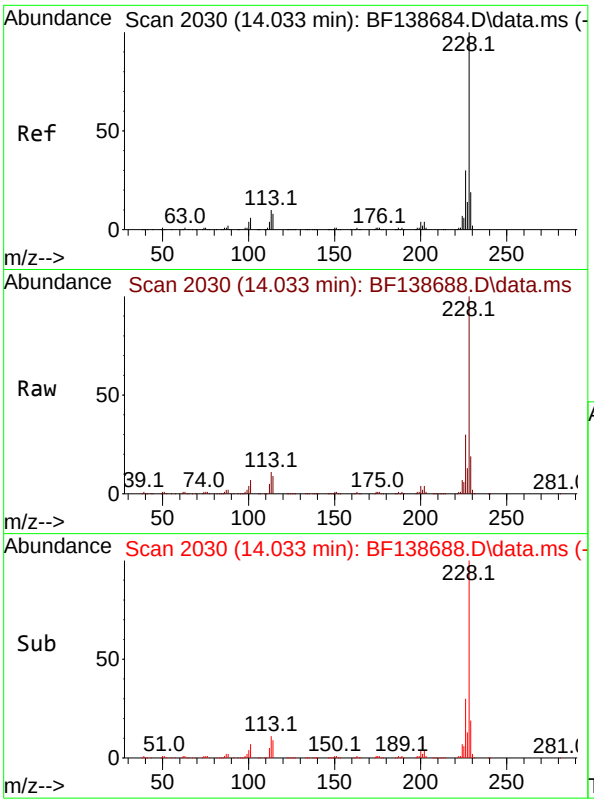


#82
3,3'-Dichlorobenzidine
Concen: 44.160 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



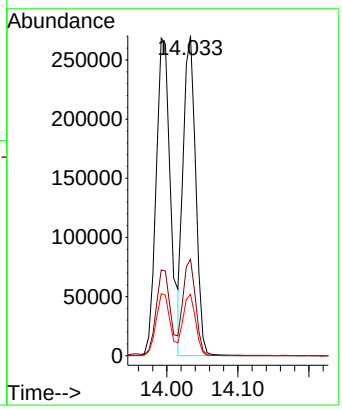


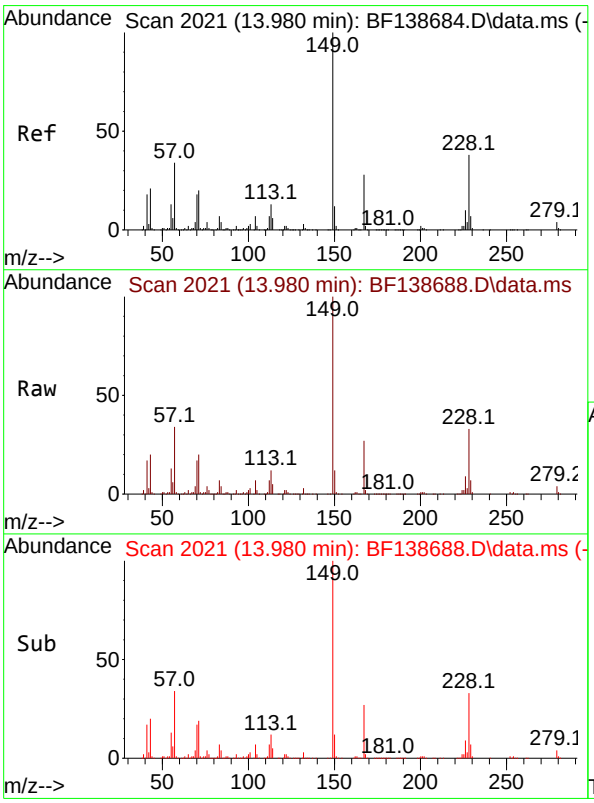
#83
Chrysene
Concen: 39.308 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

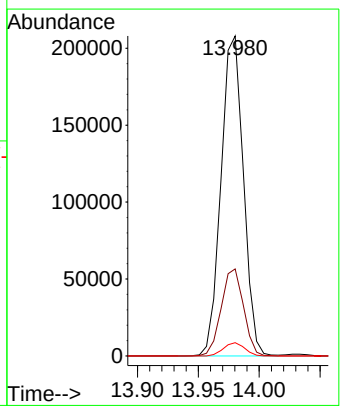


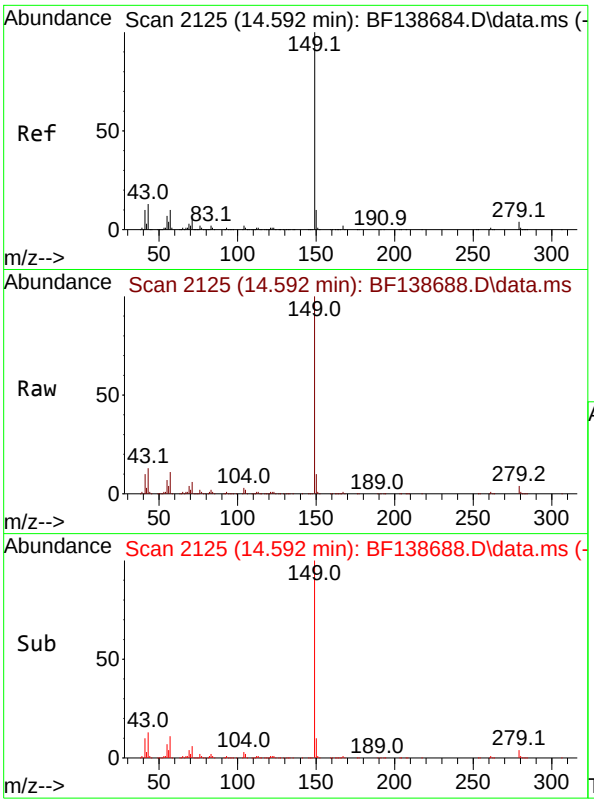


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.921 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



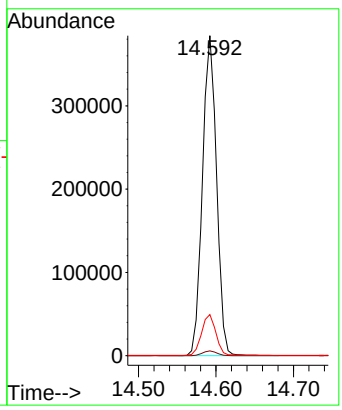


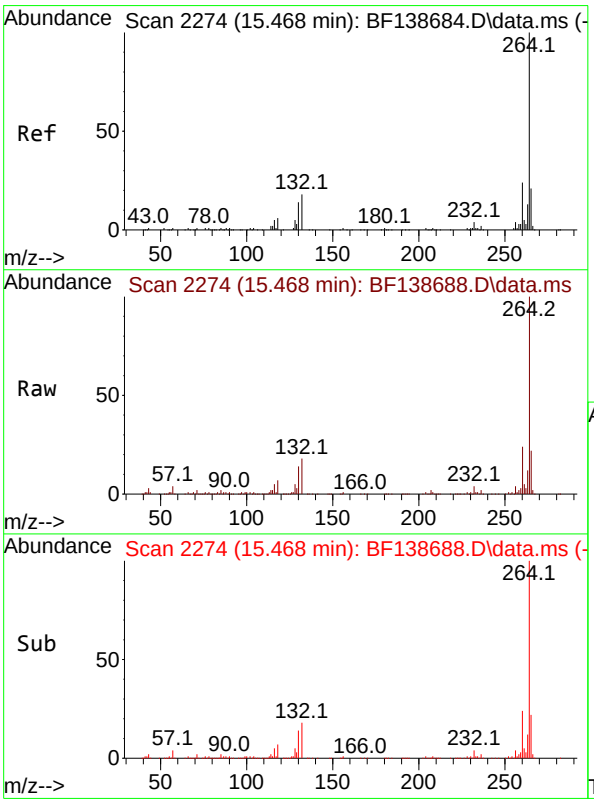
#85
Di-n-octyl phthalate
Concen: 44.183 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

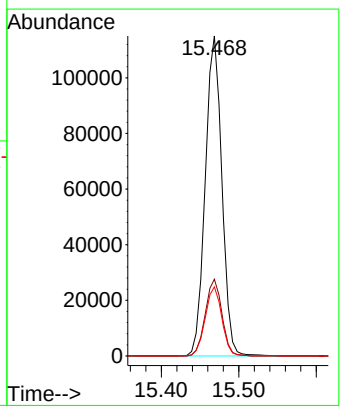


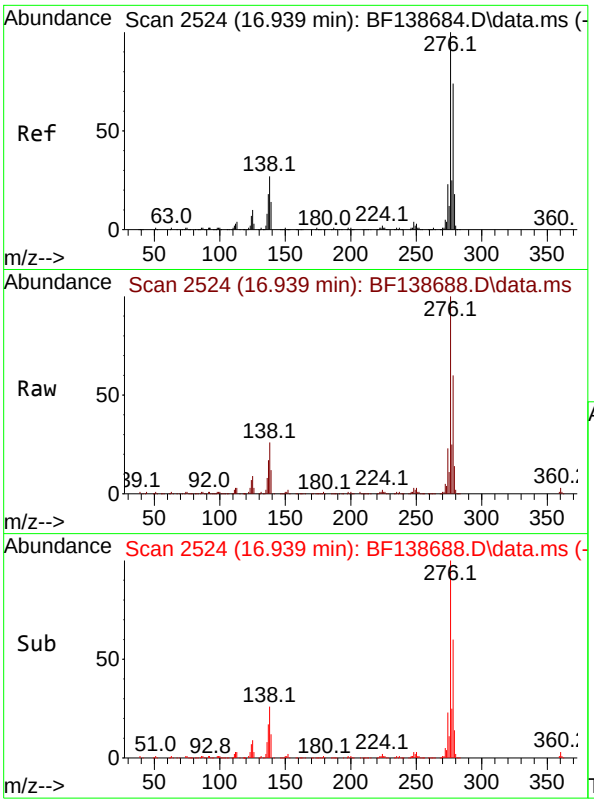


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



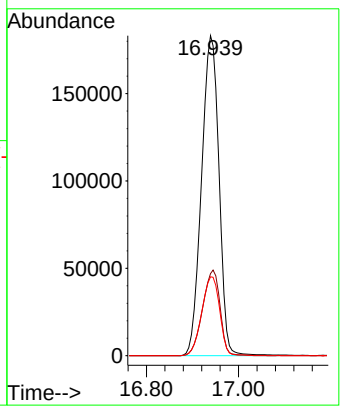


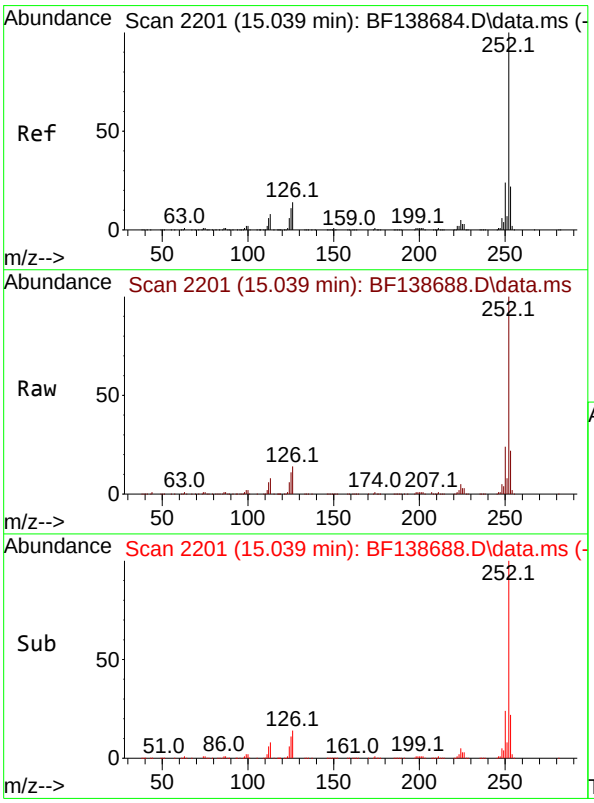
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.463 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

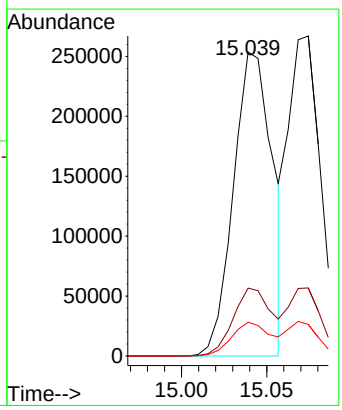


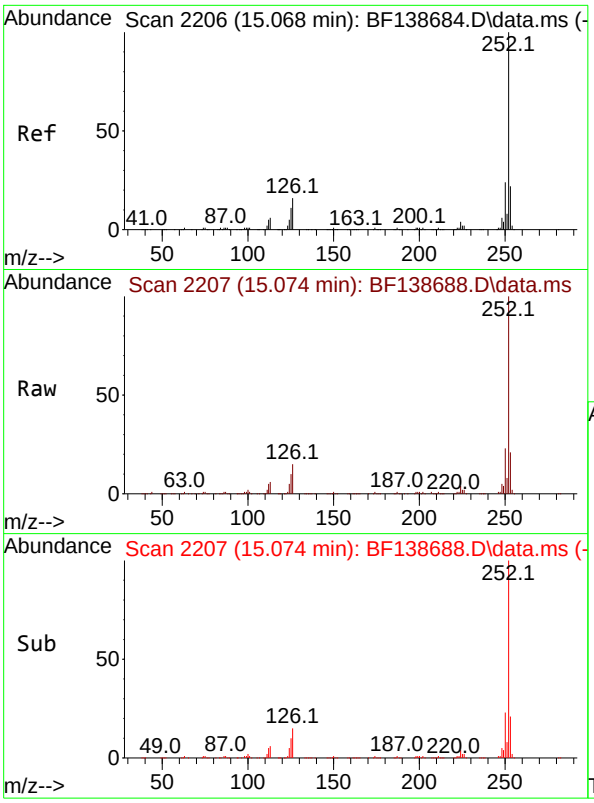


#88
Benzo(b)fluoranthene
Concen: 38.172 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



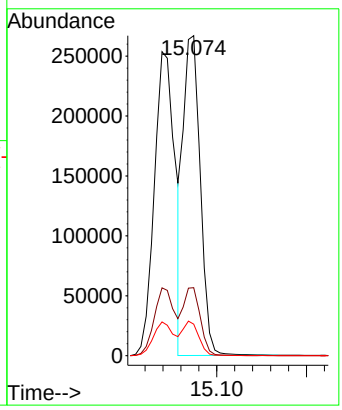


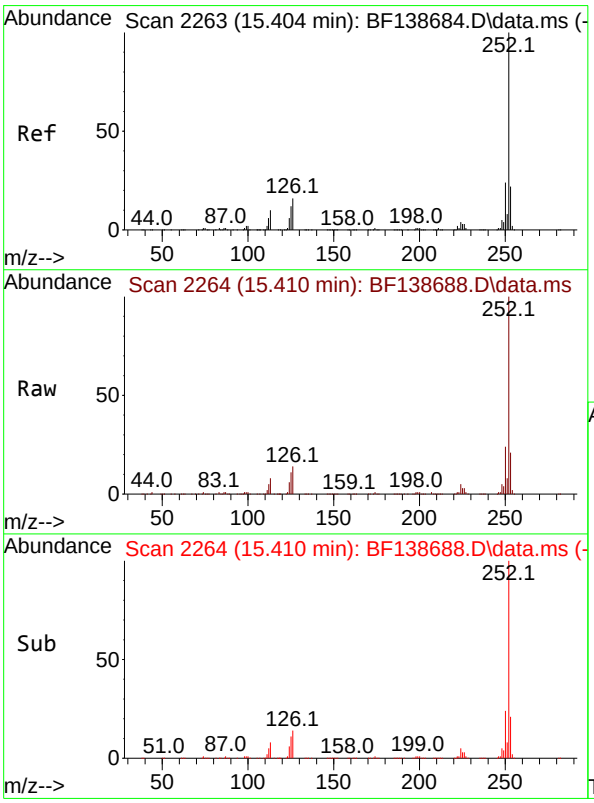
#89
Benzo(k)fluoranthene
Concen: 38.430 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

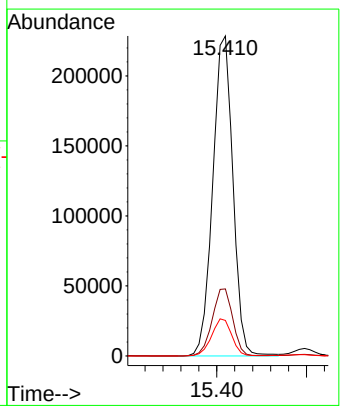


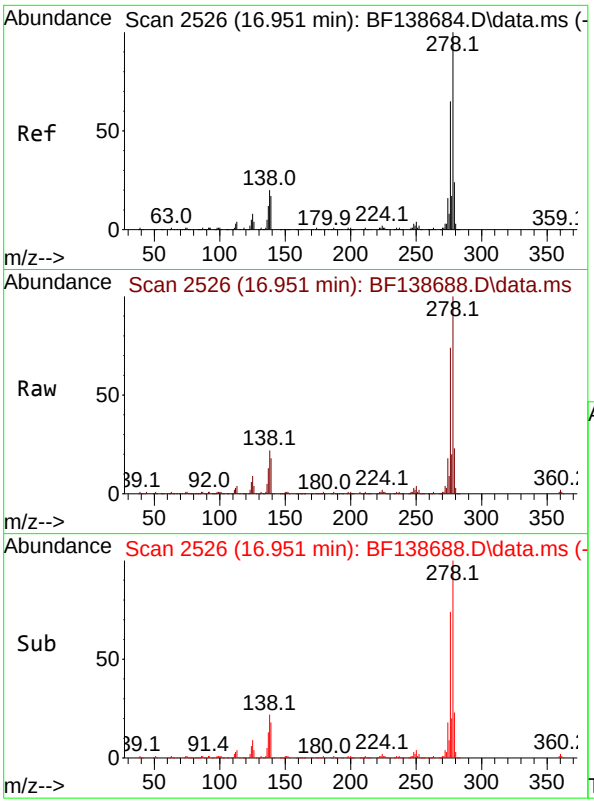


#90
Benzo(a)pyrene
Concen: 39.920 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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



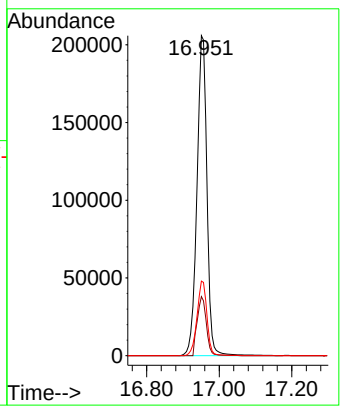


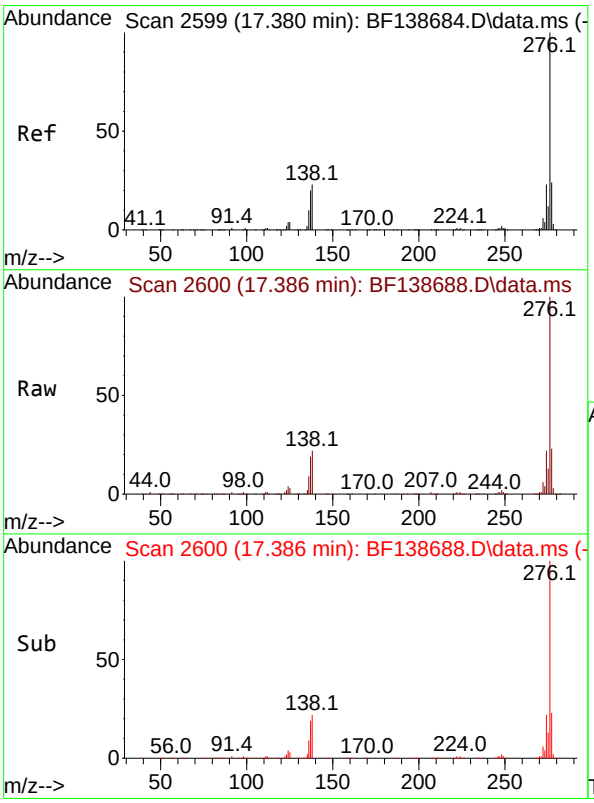
#91
Dibenzo(a,h)anthracene
Concen: 39.089 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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

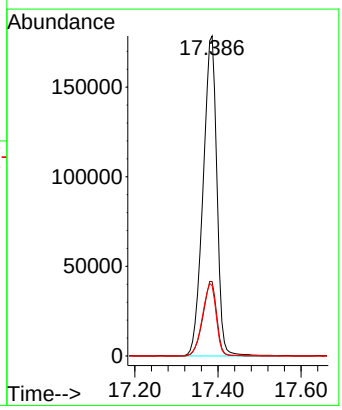




#92
Benzo(g,h,i)perylene
Concen: 39.457 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138688.D
Acq: 30 Jul 2024 17:55

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
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)
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 :
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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

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.: P3475 SAS No.: P3475 SDG No.: P3475

Instrument ID: BNA_F Calibration Date/Time: 08/13/2024 10:08

Lab File ID: BF138965.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	1.286		-0.8	
Phenol-d6	1.740	1.732		-0.5	
Nitrobenzene-d5	0.409	0.434		6.1	
2-Fluorobiphenyl	1.331	1.373		3.2	
2,4,6-Tribromophenol	0.164	0.172		4.9	
Terphenyl-d14	1.195	1.343		12.4	
Benzo(a)anthracene	1.377	1.417		2.9	
Benzo(a)pyrene	1.043	1.069		2.5	20.0
Dibenzo(a,h)anthracene	1.177	1.024		-13.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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	6.839	152	46987	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	189694	20.000	ng		0.00
39) Acenaphthene-d10	9.875	164	108534	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	193718	20.000	ng		0.00
76) Chrysene-d12	13.998	240	93804	20.000	ng		0.00
86) Perylene-d12	15.462	264	93639	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	241732	79.416	ng		0.00
7) Phenol-d6	6.492	99	325552	79.661	ng		0.00
23) Nitrobenzene-d5	7.410	82	329140	84.832	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	74564	83.870	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	596252	82.543	ng		0.00
79) Terphenyl-d14	12.939	244	504053	89.966	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.587	88	47721	35.810	ng		97
3) Pyridine	3.346	79	115174	35.677	ng		96
4) n-Nitrosodimethylamine	3.316	42	85416	44.426	ng	#	80
6) Aniline	6.510	93	137097	37.616	ng	#	65
8) 2-Chlorophenol	6.634	128	127368	39.771	ng		100
9) Benzaldehyde	6.398	77	90277	36.851	ng		99
10) Phenol	6.504	94	168509	39.162	ng	#	76
11) bis(2-Chloroethyl)ether	6.581	93	126683	38.259	ng		99
12) 1,3-Dichlorobenzene	6.781	146	142552	39.765	ng		98
13) 1,4-Dichlorobenzene	6.857	146	144375	39.907	ng		98
14) 1,2-Dichlorobenzene	7.010	146	139453	41.246	ng		98
15) Benzyl Alcohol	6.992	79	126510	42.950	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.116	45	210772	36.988	ng		66
17) 2-Methylphenol	7.104	107	104957	39.689	ng	#	91
18) Hexachloroethane	7.345	117	55102	40.463	ng		96
19) n-Nitroso-di-n-propyla...	7.257	70	103190	41.806	ng		97
20) 3+4-Methylphenols	7.263	107	143621	42.329	ng	#	81
22) Acetophenone	7.257	105	196063	42.213	ng		96
24) Nitrobenzene	7.428	77	161626	40.938	ng		99
25) Isophorone	7.663	82	271632	41.000	ng		98
26) 2-Nitrophenol	7.745	139	69439	40.880	ng		95
27) 2,4-Dimethylphenol	7.781	122	81769	40.235	ng		98
28) bis(2-Chloroethoxy)met...	7.869	93	157086	38.936	ng		99
29) 2,4-Dichlorophenol	7.992	162	107612	41.207	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	123977	41.137	ng		99
31) Naphthalene	8.145	128	402596	40.320	ng		100
32) Benzoic acid	7.934	122	41753	26.136	ng		98
33) 4-Chloroaniline	8.198	127	128082	38.214	ng		98
34) Hexachlorobutadiene	8.251	225	80583	44.145	ng		97
35) Caprolactam	8.581	113	33299	42.733	ng		91
36) 4-Chloro-3-methylphenol	8.686	107	126700	42.452	ng		98
37) 2-Methylnaphthalene	8.833	142	263939	41.855	ng		100
38) 1-Methylnaphthalene	8.933	142	258191	41.783	ng		99
40) 1,2,4,5-Tetrachloroben...	8.998	216	120374	39.926	ng		99
41) Hexachlorocyclopentadiene	8.980	237	22558	32.772	ng		98
43) 2,4,6-Trichlorophenol	9.122	196	70499	38.351	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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

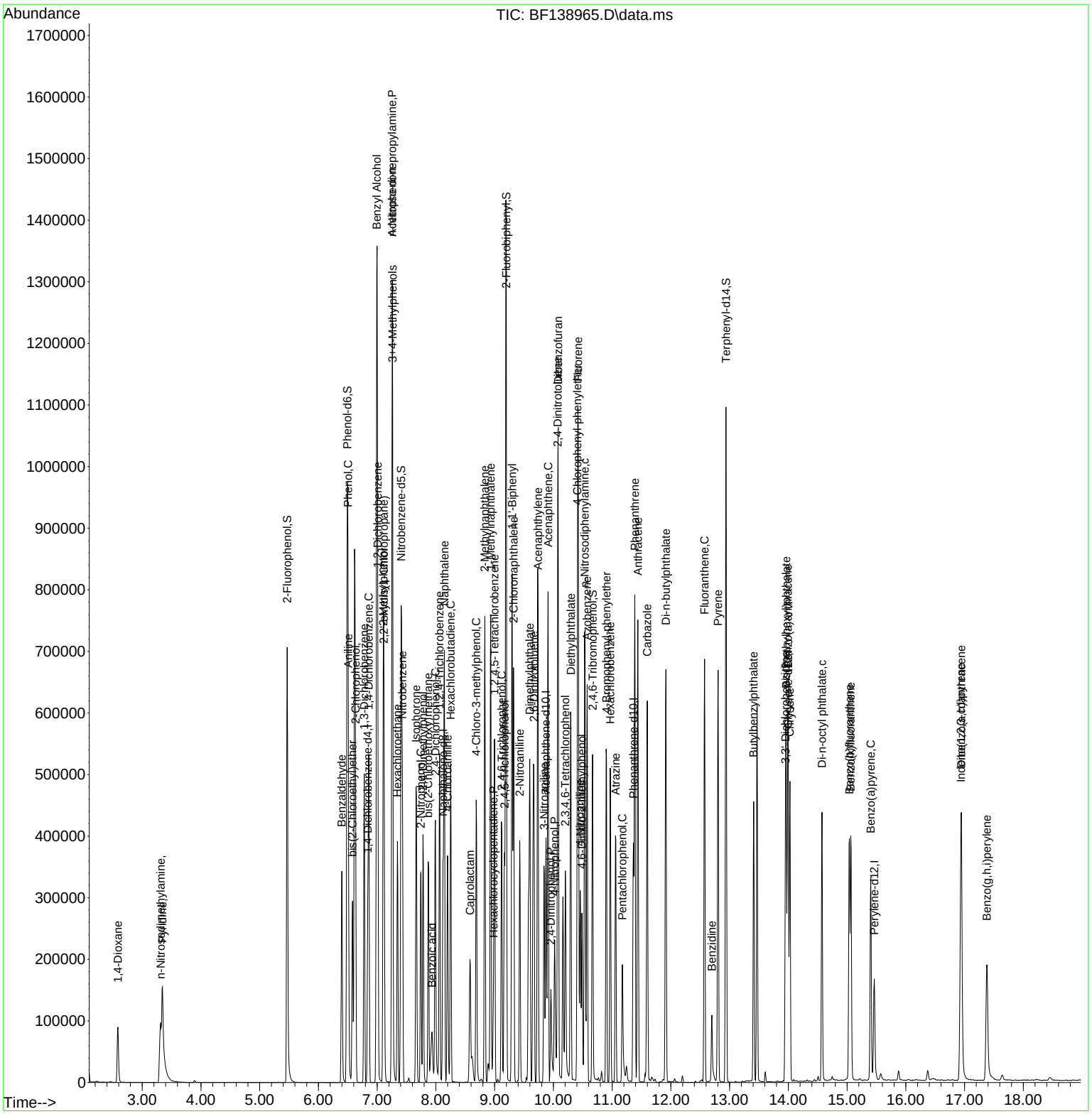
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	77343	38.487	ng		98
46) 1,1'-Biphenyl	9.298	154	339171	39.901	ng		99
47) 2-Chloronaphthalene	9.322	162	250981	39.700	ng		99
48) 2-Nitroaniline	9.428	65	91268	42.585	ng		95
49) Acenaphthylene	9.739	152	357198	39.838	ng		100
50) Dimethylphthalate	9.598	163	291241	41.967	ng		99
51) 2,6-Dinitrotoluene	9.669	165	67281	42.959	ng		87
52) Acenaphthene	9.910	154	238425	39.557	ng		99
53) 3-Nitroaniline	9.845	138	64317	39.724	ng		97
54) 2,4-Dinitrophenol	9.957	184	26906	37.319	ng	#	78
55) Dibenzofuran	10.080	168	349823	41.116	ng		99
56) 4-Nitrophenol	10.022	139	41207	42.323	ng		87
57) 2,4-Dinitrotoluene	10.075	165	89344	44.712	ng	#	80
58) Fluorene	10.422	166	291898	43.082	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	63795	41.523	ng		97
60) Diethylphthalate	10.298	149	299444	45.507	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	144826	43.462	ng		95
62) 4-Nitroaniline	10.457	138	63424	41.221	ng		84
63) Azobenzene	10.575	77	306678	42.022	ng		96
65) 4,6-Dinitro-2-methylph...	10.486	198	45307	38.336	ng		91
66) n-Nitrosodiphenylamine	10.533	169	236601	39.074	ng		99
67) 4-Bromophenyl-phenylether	10.904	248	81521	38.868	ng		97
68) Hexachlorobenzene	10.969	284	85468	39.467	ng		97
69) Atrazine	11.063	200	64679	41.401	ng		96
70) Pentachlorophenol	11.174	266	34309	35.149	ng		98
71) Phenanthrene	11.386	178	399518	40.052	ng		99
72) Anthracene	11.439	178	393434	40.037	ng		100
73) Carbazole	11.598	167	338647	39.944	ng		99
74) Di-n-butylphthalate	11.916	149	448632	47.073	ng		100
75) Fluoranthene	12.574	202	381687	40.988	ng		98
77) Benzidine	12.698	184	65303	29.106	ng		98
78) Pyrene	12.804	202	372704	42.200	ng		99
80) Butylbenzylphthalate	13.410	149	132619	46.891	ng		99
81) Benzo(a)anthracene	13.992	228	265759	41.142	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	67501	40.835	ng		98
83) Chrysene	14.027	228	230220	39.504	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	167488	40.442	ng		98
85) Di-n-octyl phthalate	14.574	149	266460	34.775	ng		100
87) Indeno(1,2,3-cd)pyrene	16.939	276	234418	34.933	ng		96
88) Benzo(b)fluoranthene	15.039	252	239407	41.244	ng		97
89) Benzo(k)fluoranthene	15.062	252	207707	41.328	ng		98
90) Benzo(a)pyrene	15.404	252	200130	40.989	ng		97
91) Dibenzo(a,h)anthracene	16.945	278	191802	34.819	ng		98
92) Benzo(g,h,i)perylene	17.380	276	187222	32.753	ng		97

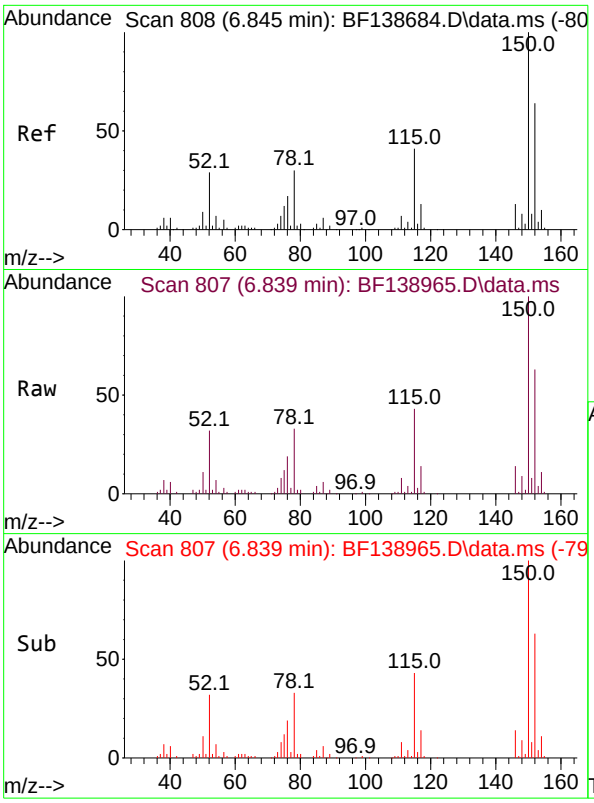
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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



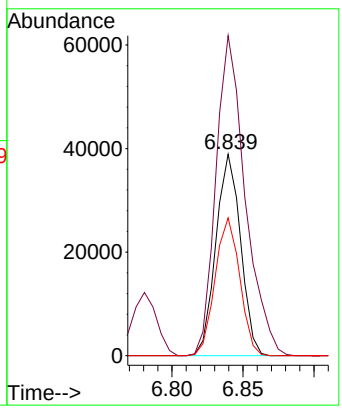


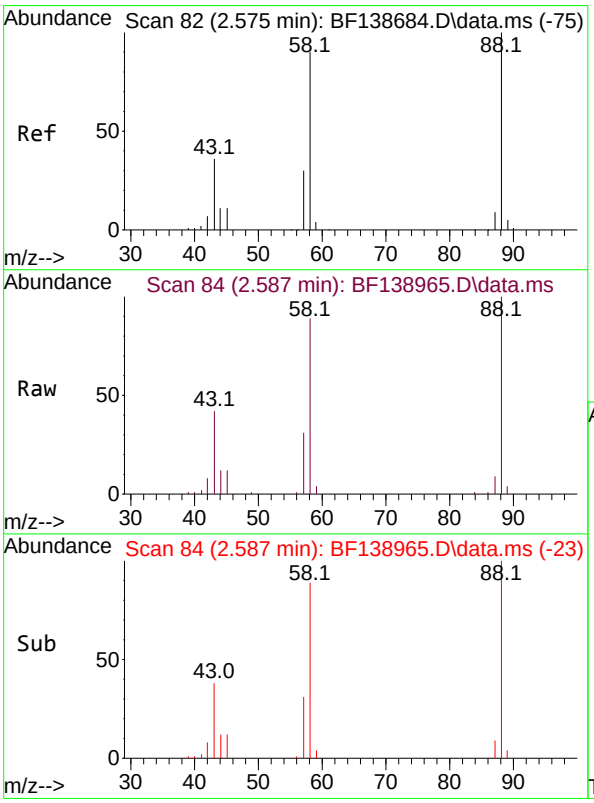
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 46987

Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.0	189.0
115	68.4	51.7	77.5

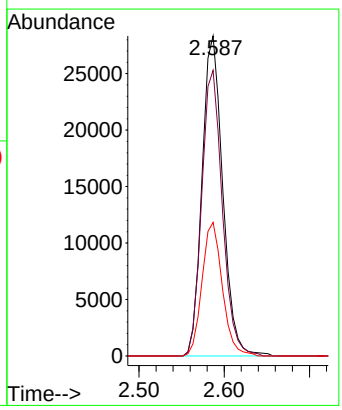


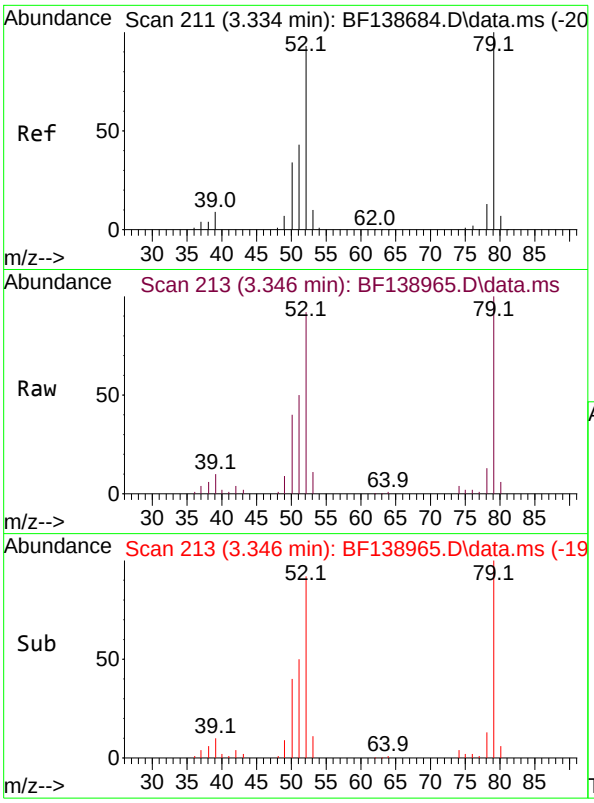


#2
1,4-Dioxane
Concen: 35.810 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 88 Resp: 47721

Ion	Ratio	Lower	Upper
88	100		
58	89.0	71.6	107.4
43	41.0	28.7	43.1



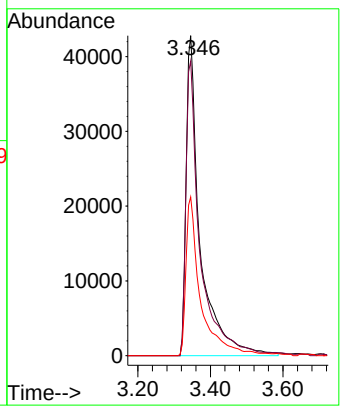


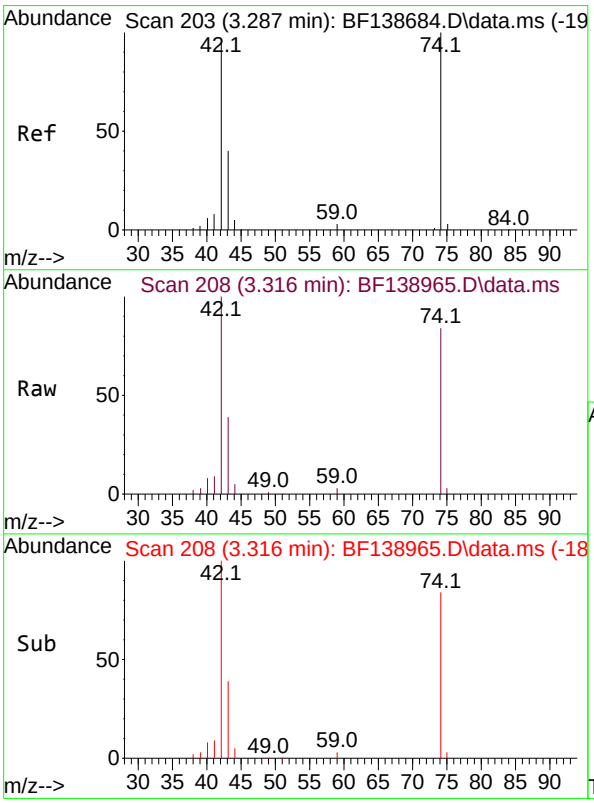
#3
Pyridine
Concen: 35.677 ng
RT: 3.346 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 115174

Ion	Ratio	Lower	Upper
79	100		
52	92.0	74.7	112.1
51	49.6	34.6	51.8

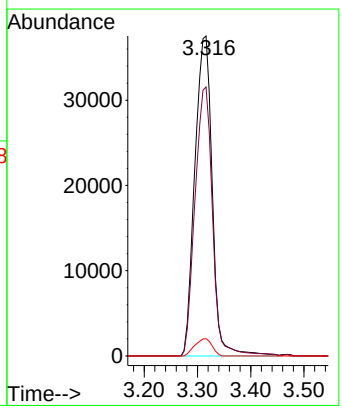


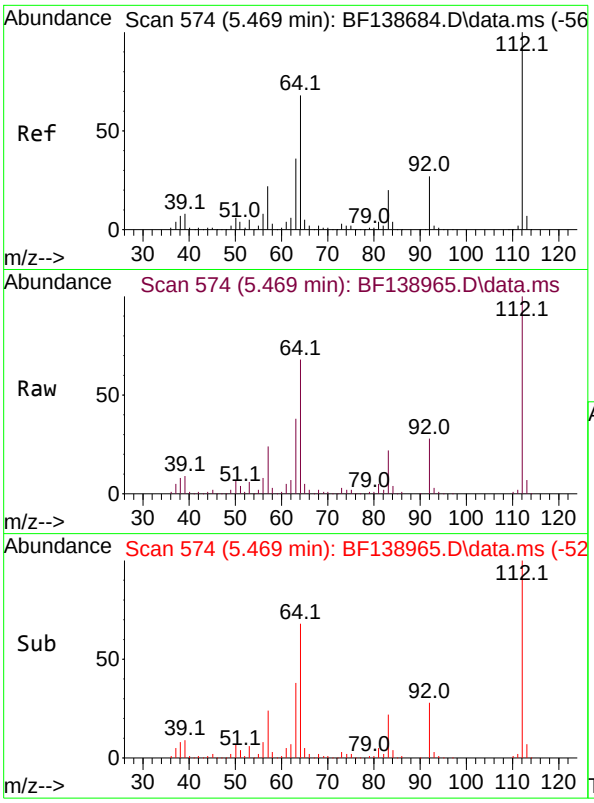


#4
n-Nitrosodimethylamine
Concen: 44.426 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.029 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 42 Resp: 85416

Ion	Ratio	Lower	Upper
42	100		
74	84.1	84.2	126.4#
44	5.4	4.9	7.3



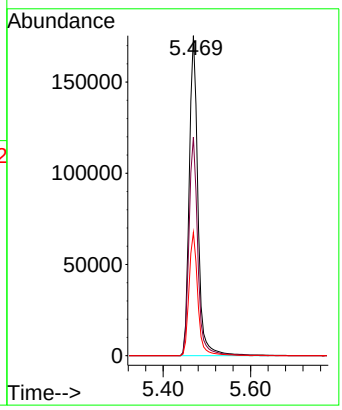


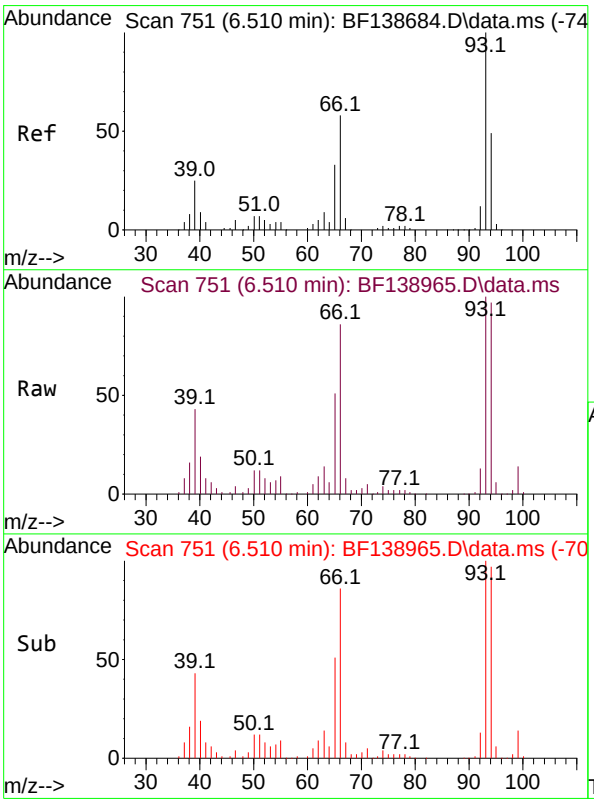
#5
2-Fluorophenol
Concen: 79.416 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 241732

Ion	Ratio	Lower	Upper
112	100		
64	68.3	54.2	81.4
63	38.5	28.7	43.1

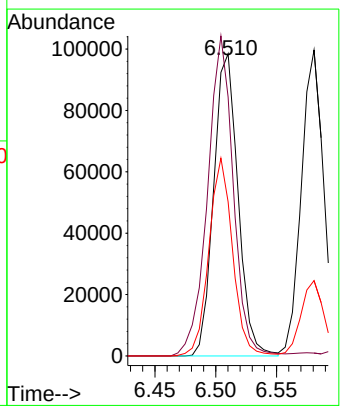


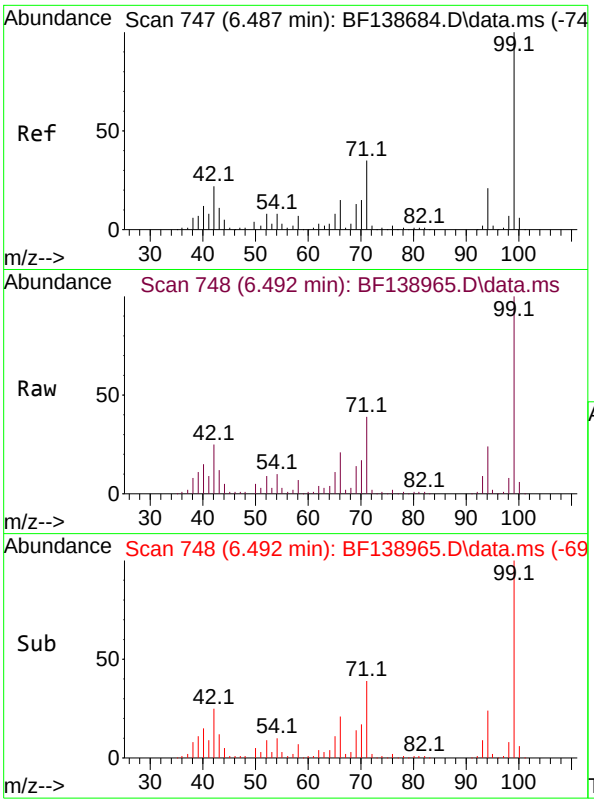


#6
Aniline
Concen: 37.616 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 93 Resp: 137097

Ion	Ratio	Lower	Upper
93	100		
66	85.6	46.9	70.3#
65	51.0	26.5	39.7#



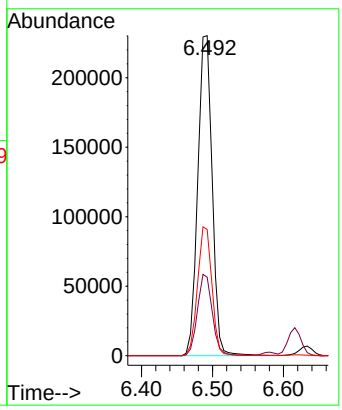


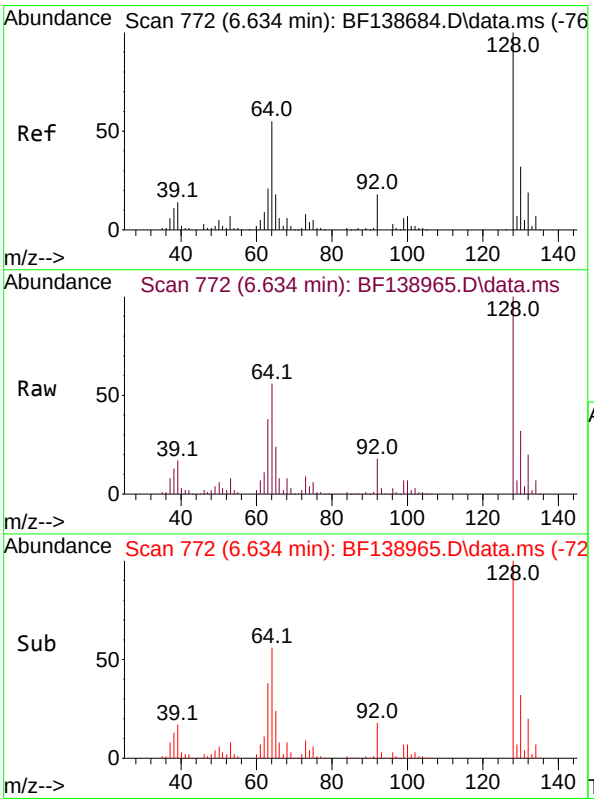
#7
Phenol-d6
Concen: 79.661 ng
RT: 6.492 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 325552

Ion	Ratio	Lower	Upper
99	100		
42	24.6	17.4	26.0
71	39.5	28.1	42.1

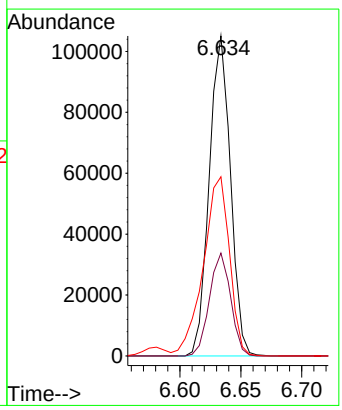


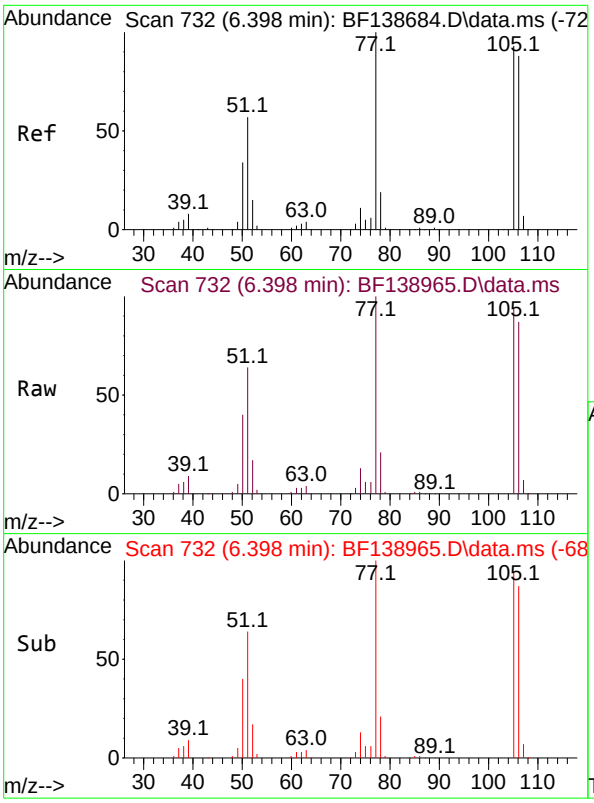


#8
2-Chlorophenol
Concen: 39.771 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:128 Resp: 127368

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.0	52.0
64	56.0	36.3	76.3



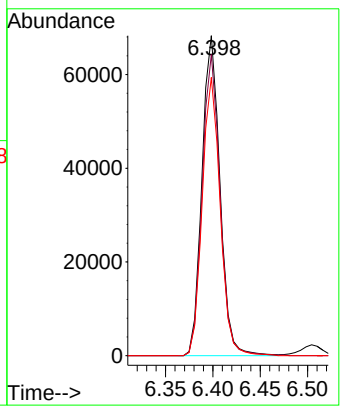


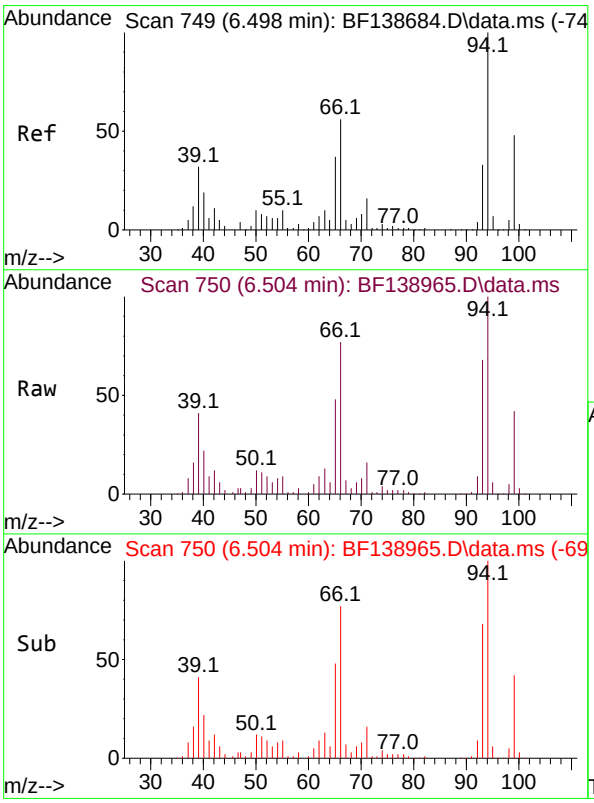
#9
Benzaldehyde
Concen: 36.851 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 90277

Ion	Ratio	Lower	Upper
77	100		
105	94.1	72.9	112.9
106	86.9	68.4	108.4

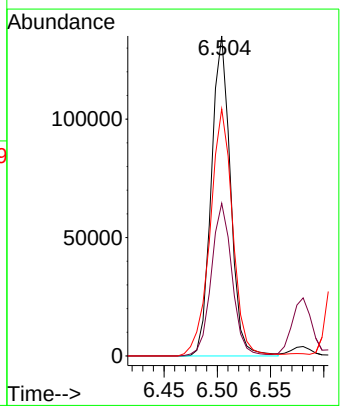


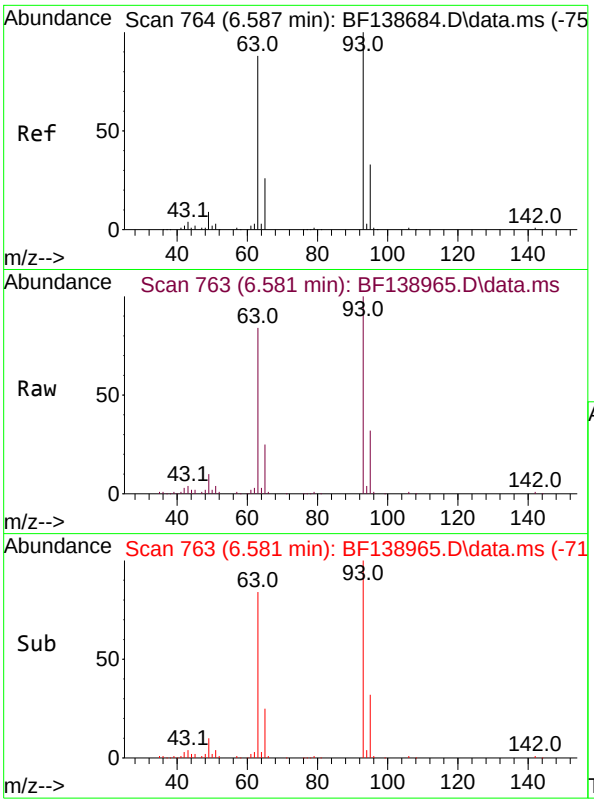


#10
Phenol
Concen: 39.162 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 94 Resp: 168509

Ion	Ratio	Lower	Upper
94	100		
65	47.7	16.9	56.9
66	77.2	36.5	76.5#



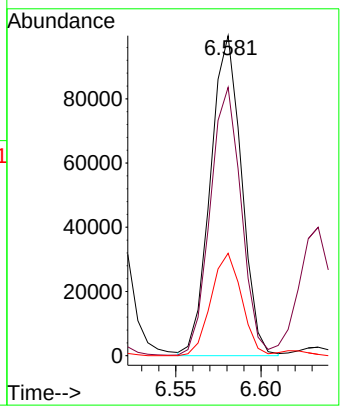


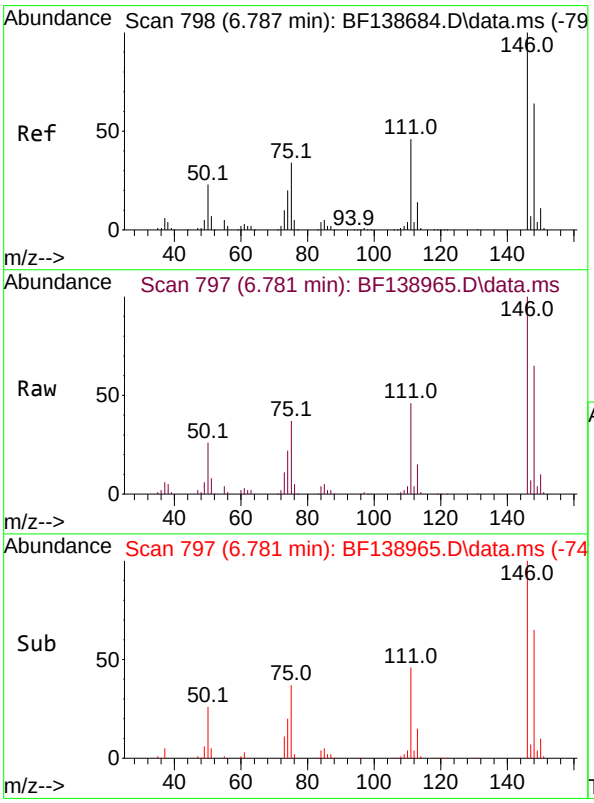
#11
bis(2-Chloroethyl)ether
Concen: 38.259 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 126683

Ion	Ratio	Lower	Upper
93	100		
63	83.8	65.3	105.3
95	32.0	12.4	52.4

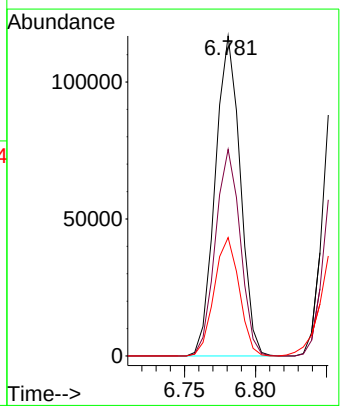


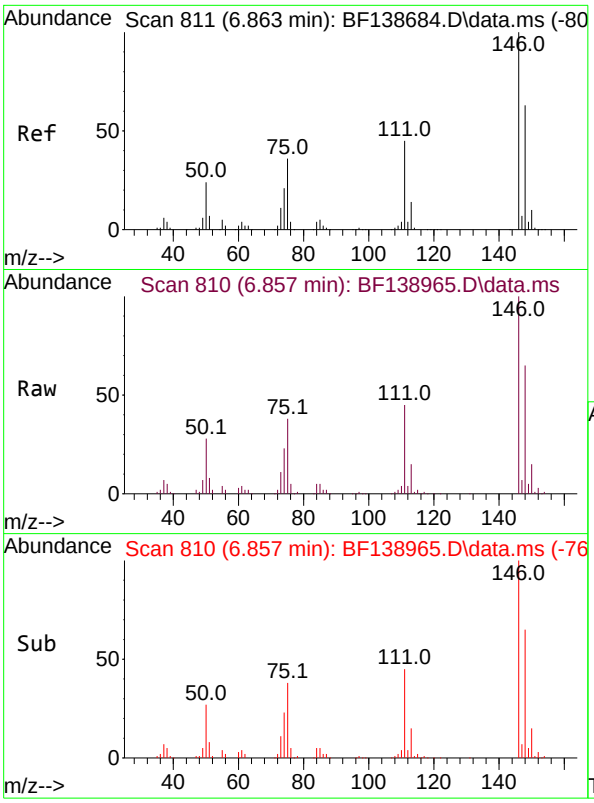


#12
1,3-Dichlorobenzene
Concen: 39.765 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:146 Resp: 142552

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
75	37.0	27.4	41.2



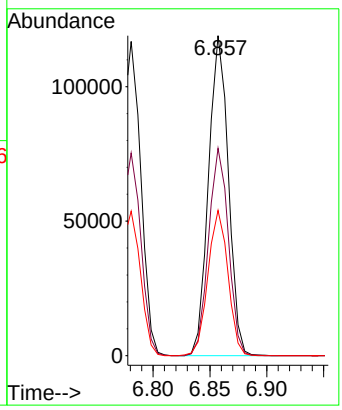


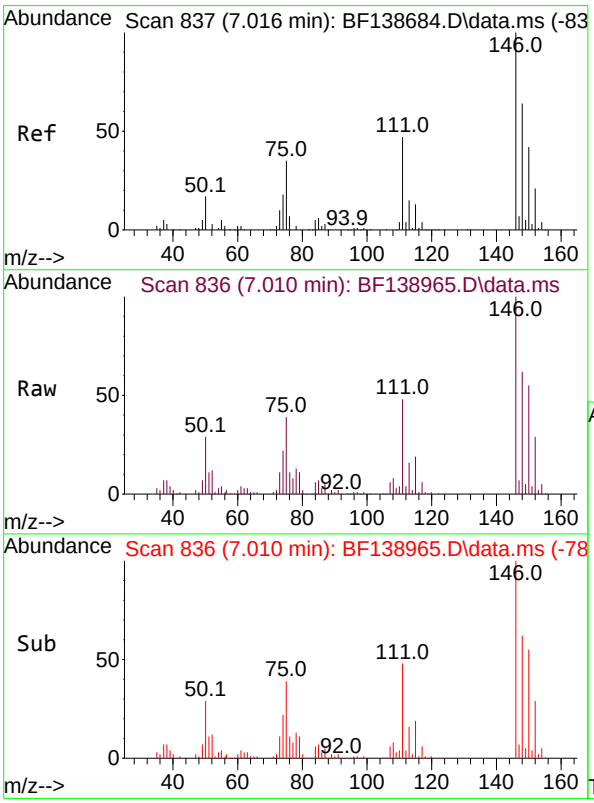
#13
1,4-Dichlorobenzene
Concen: 39.907 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 144375

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.2	75.2
111	45.4	35.9	53.9

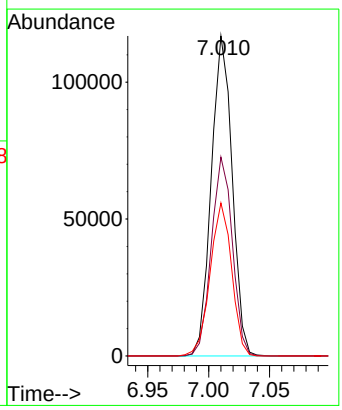


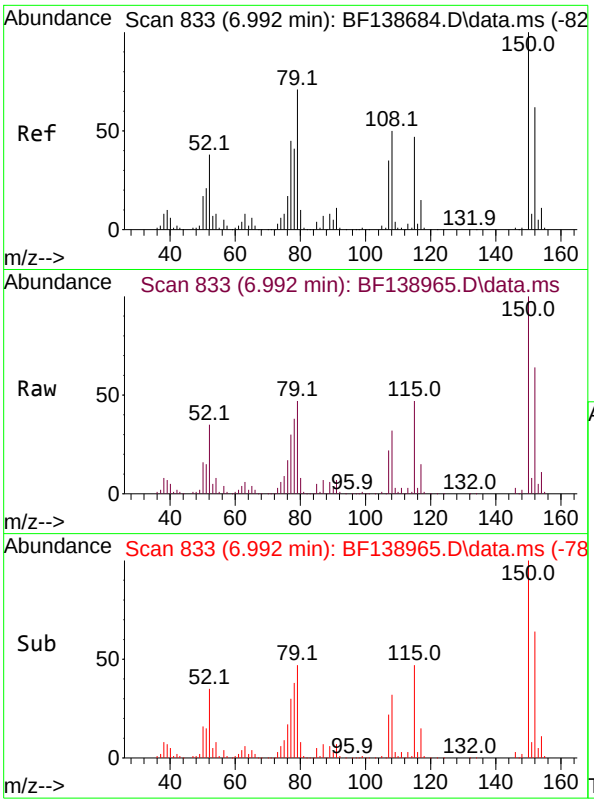


#14
1,2-Dichlorobenzene
Concen: 41.246 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:146 Resp: 139453

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.8	76.2
111	47.8	37.4	56.2



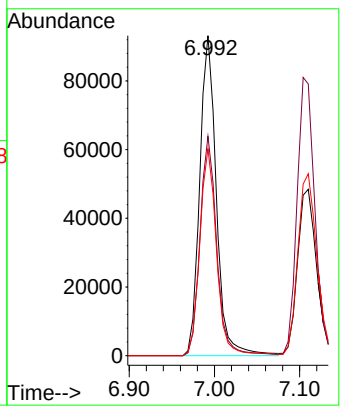


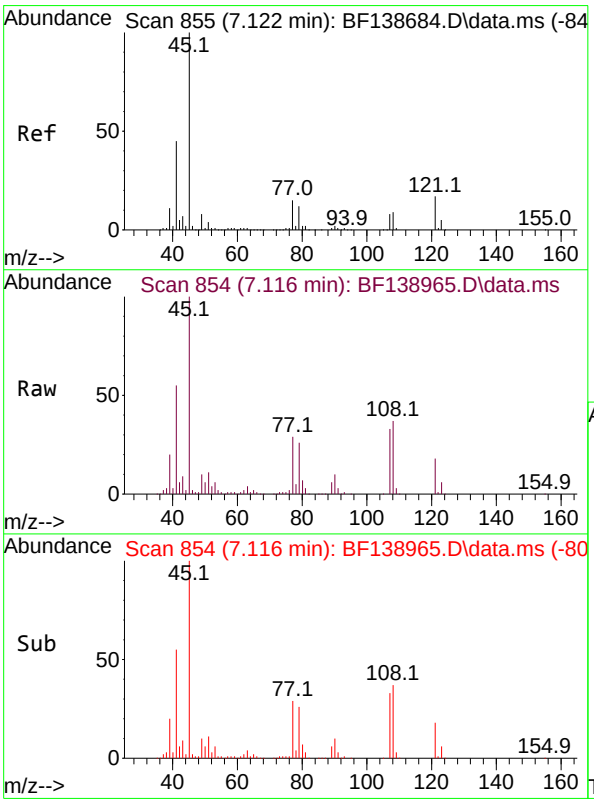
#15
Benzyl Alcohol
Concen: 42.950 ng
RT: 6.992 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 126510

Ion	Ratio	Lower	Upper
79	100		
108	68.6	56.6	85.0
77	64.6	50.3	75.5

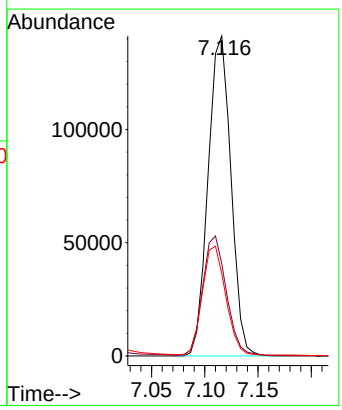


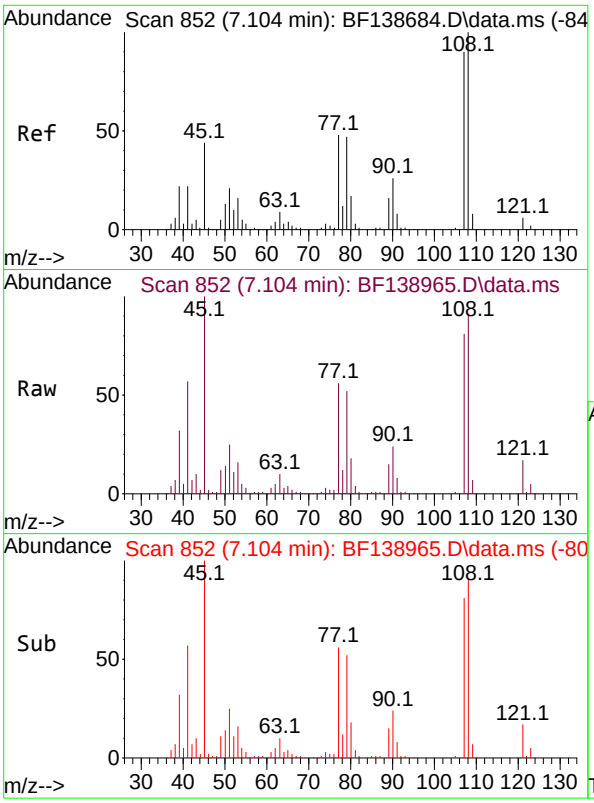


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.988 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 45 Resp: 210772

Ion	Ratio	Lower	Upper
45	100		
77	28.9	0.0	34.9
79	25.8	0.0	32.2



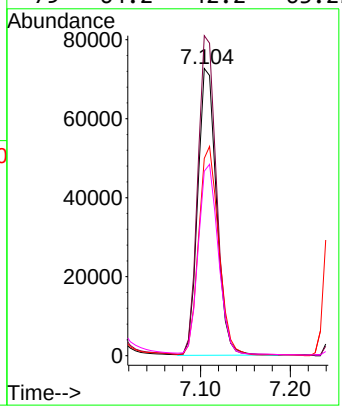


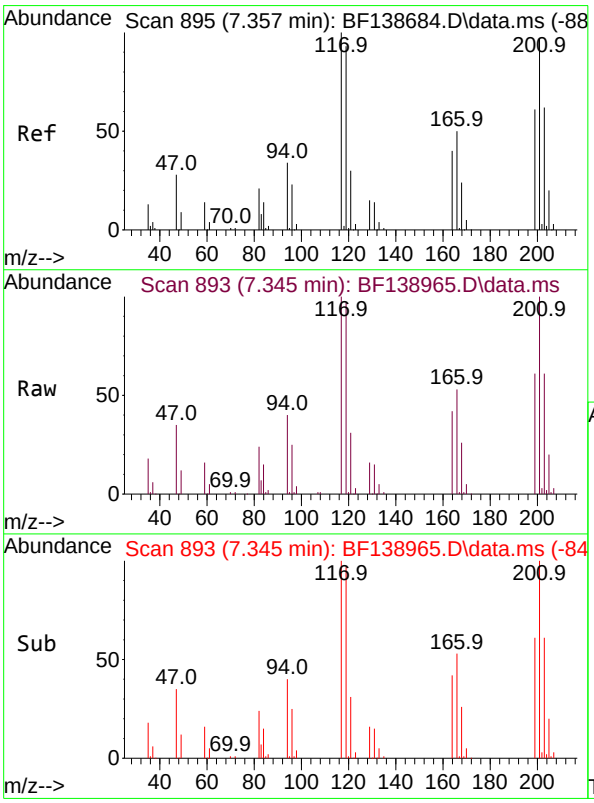
#17
2-Methylphenol
Concen: 39.689 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 104957

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.2	133.8
77	68.7	43.0	64.4#
79	64.2	42.2	63.2#

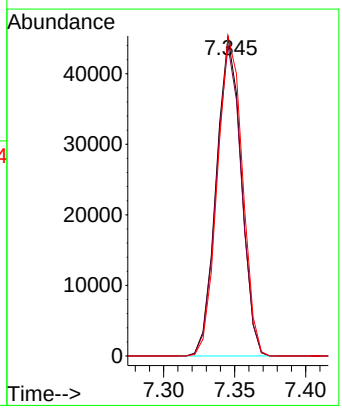


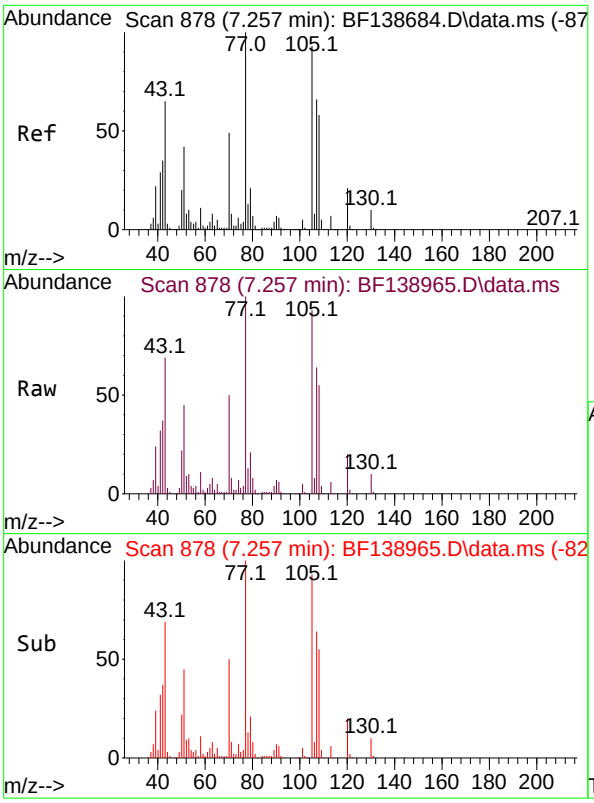


#18
Hexachloroethane
Concen: 40.463 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:117 Resp: 55102

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.6	111.8
201	100.4	77.2	115.8



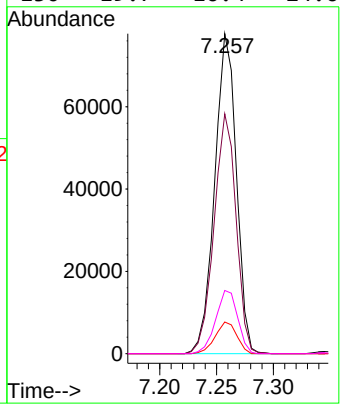


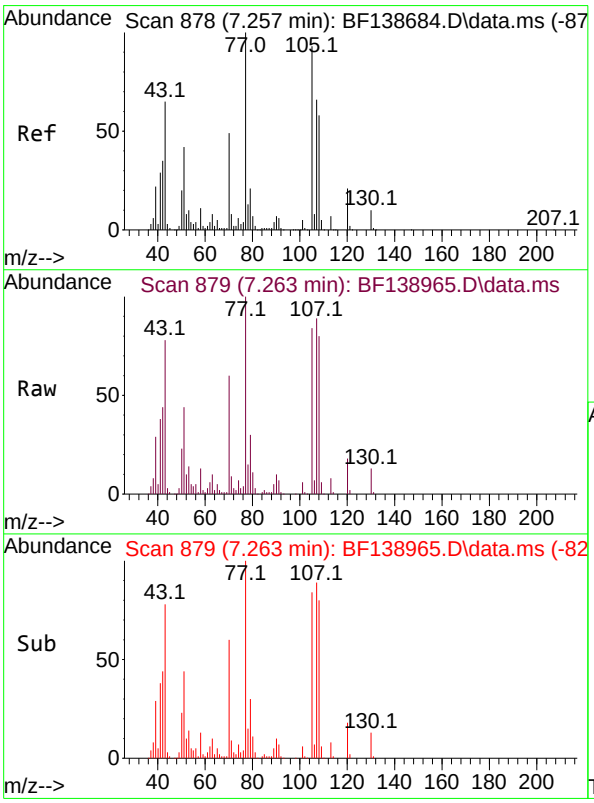
#19
n-Nitroso-di-n-propylamine
Concen: 41.806 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 103190

Ion	Ratio	Lower	Upper
70	100		
42	75.0	57.4	86.0
101	9.9	7.5	11.3
130	19.7	16.4	24.6

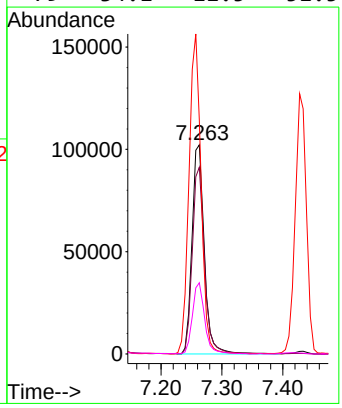


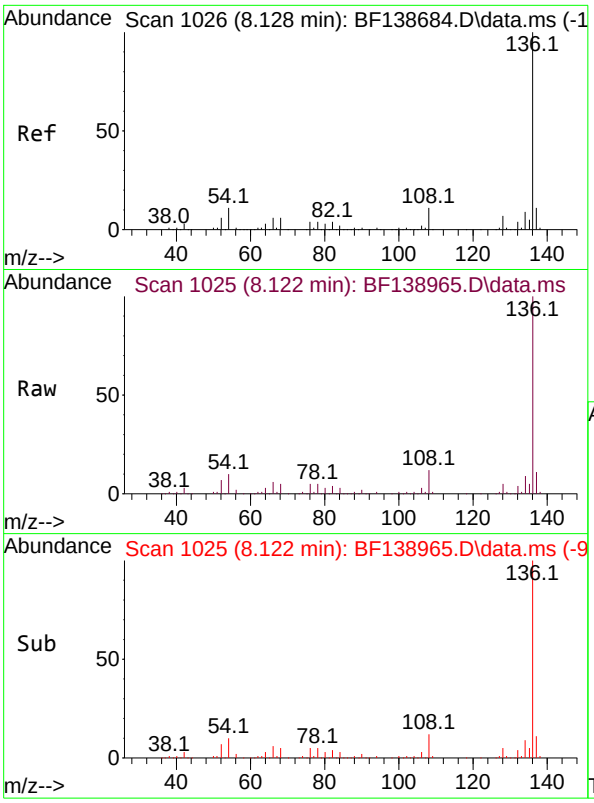


#20
3+4-Methylphenols
Concen: 42.329 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:107 Resp: 143621

Ion	Ratio	Lower	Upper
107	100		
108	89.2	68.2	108.2
77	111.8	132.1	172.1#
79	34.1	11.5	51.5



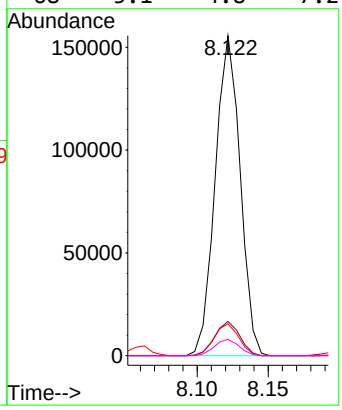


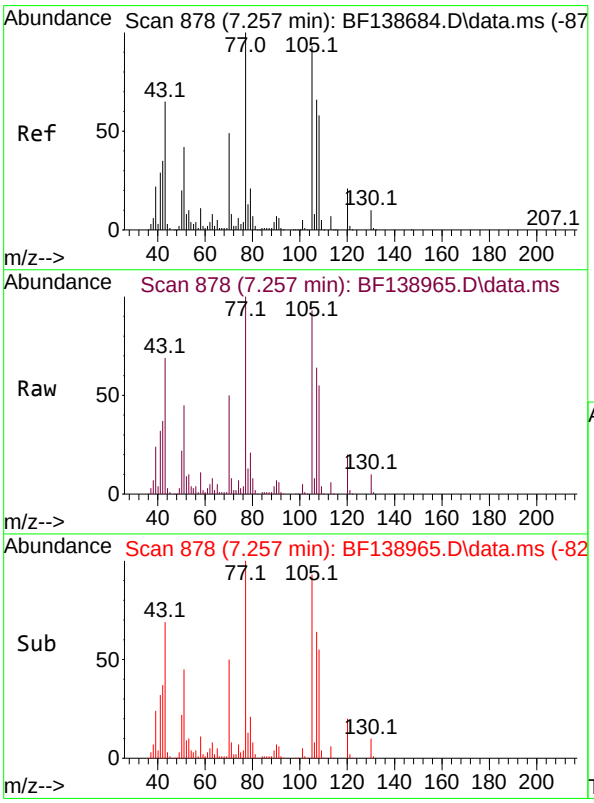
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 189694

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.9	8.6	12.8
68	5.1	4.8	7.2

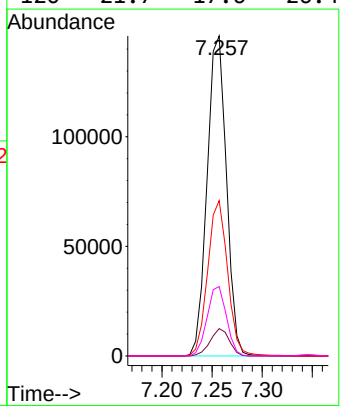


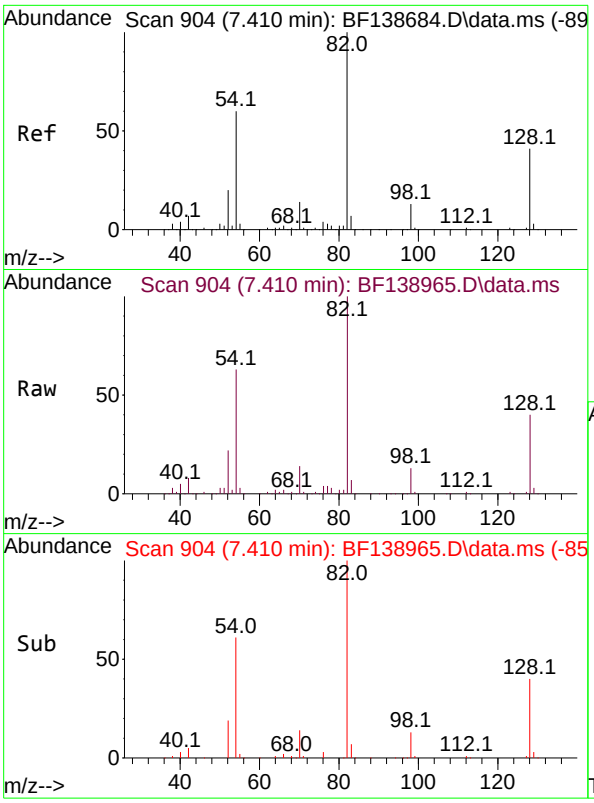


#22
Acetophenone
Concen: 42.213 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:105 Resp: 196063

Ion	Ratio	Lower	Upper
105	100		
71	8.6	7.2	10.8
51	48.6	35.9	53.9
120	21.7	17.6	26.4



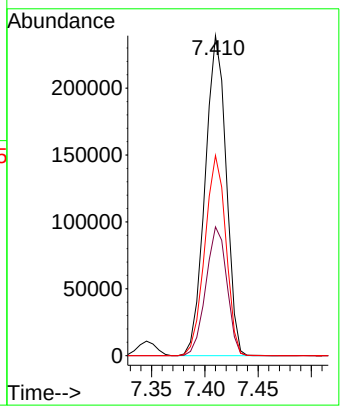


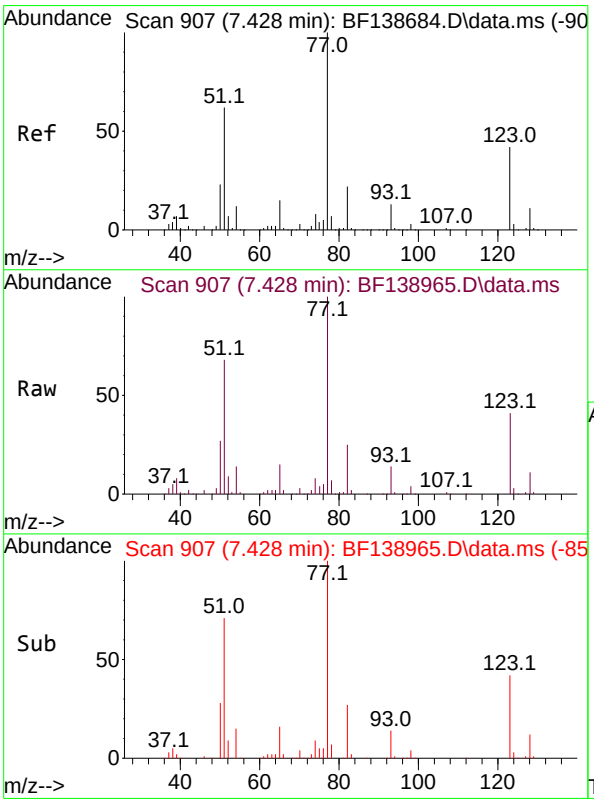
#23
Nitrobenzene-d5
Concen: 84.832 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 329140

Ion	Ratio	Lower	Upper
82	100		
128	40.2	32.8	49.2
54	62.6	48.3	72.5

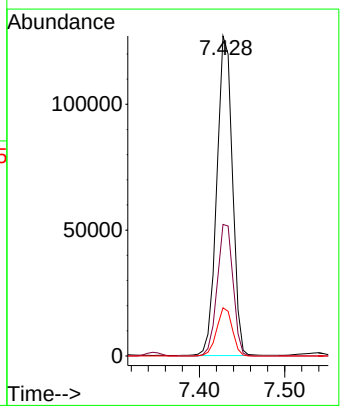


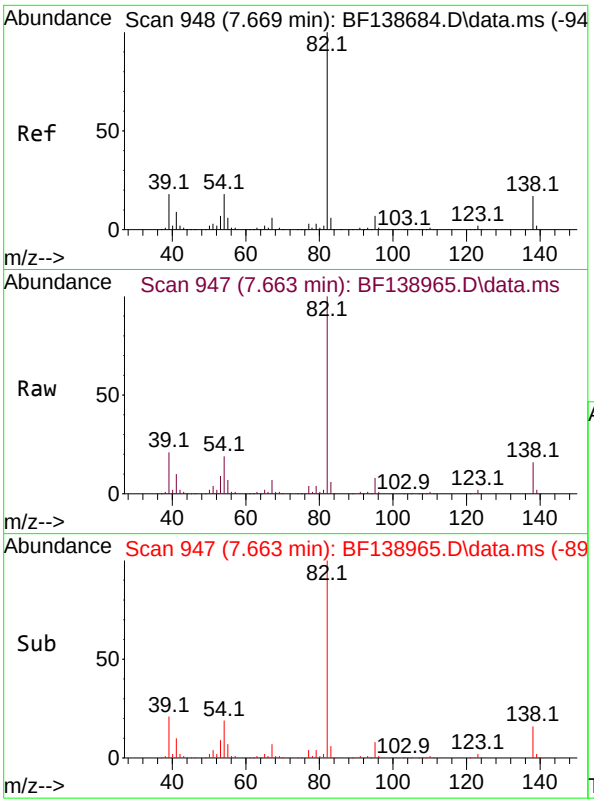


#24
Nitrobenzene
Concen: 40.938 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 77 Resp: 161626

Ion	Ratio	Lower	Upper
77	100		
123	41.1	33.3	49.9
65	15.0	11.9	17.9



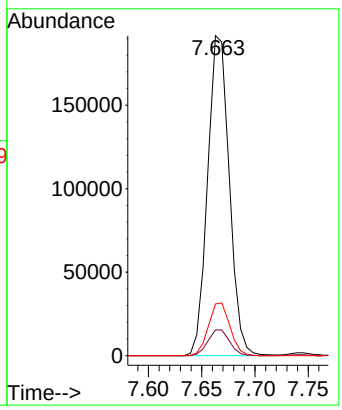


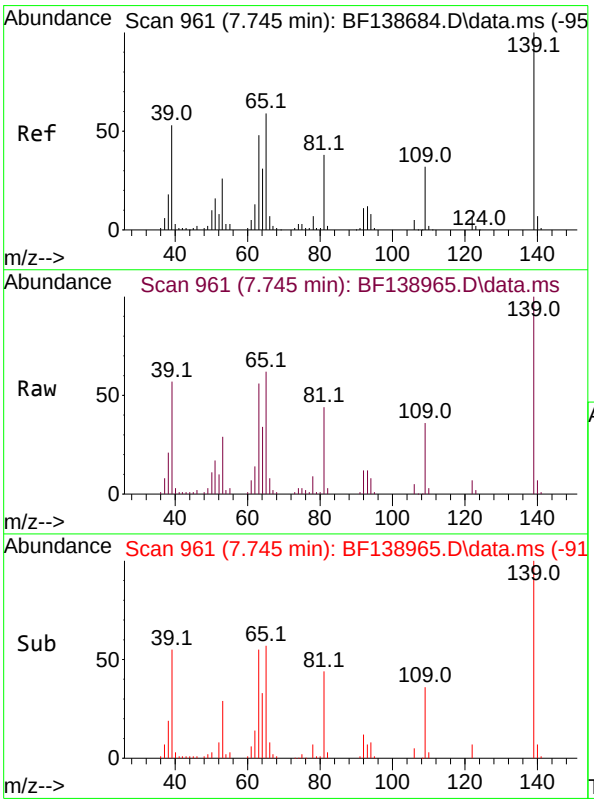
#25
Isophorone
Concen: 41.000 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 271632

Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.7	8.5
138	16.1	13.7	20.5

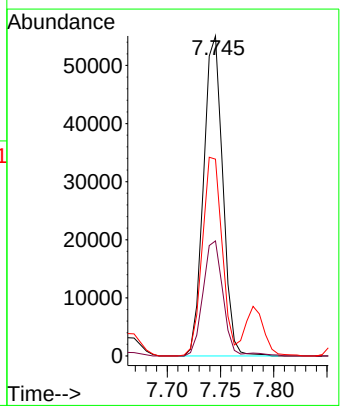


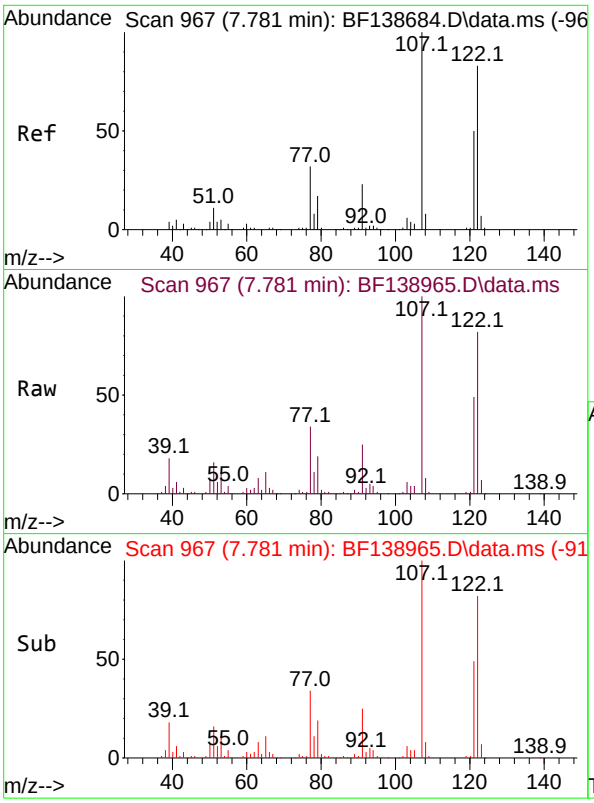


#26
2-Nitrophenol
Concen: 40.880 ng
RT: 7.745 min Scan# 961
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:139 Resp: 69439

Ion	Ratio	Lower	Upper
139	100		
109	35.9	25.9	38.9
65	61.5	47.0	70.6



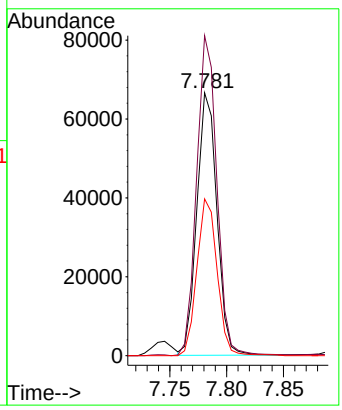


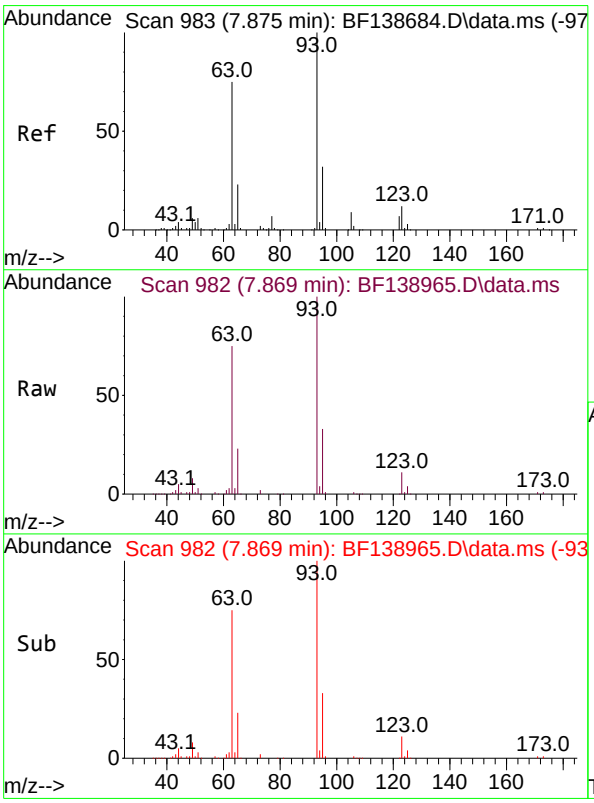
#27
2,4-Dimethylphenol
Concen: 40.235 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 81769

Ion	Ratio	Lower	Upper
122	100		
107	121.7	95.0	142.6
121	59.6	47.3	70.9

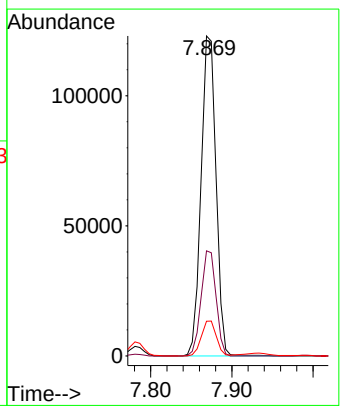


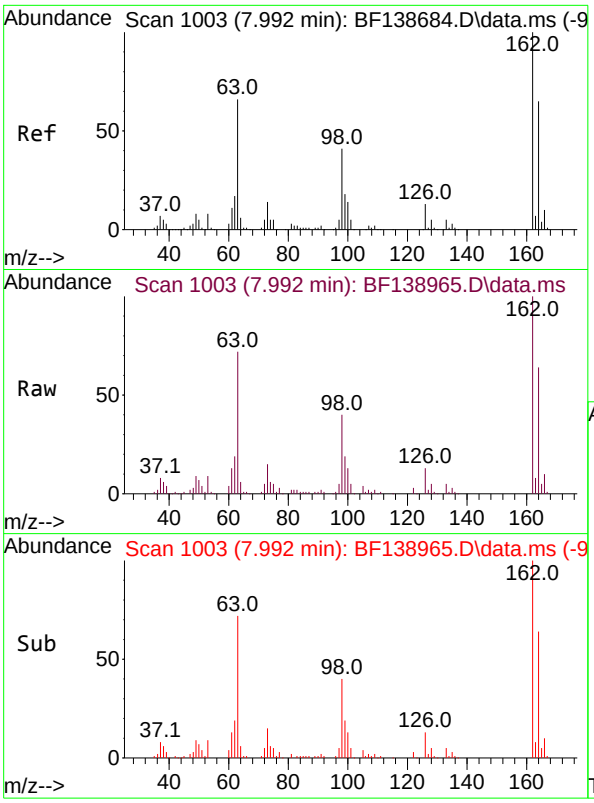


#28
bis(2-Chloroethoxy)methane
Concen: 38.936 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 93 Resp: 157086

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	10.9	9.4	14.0



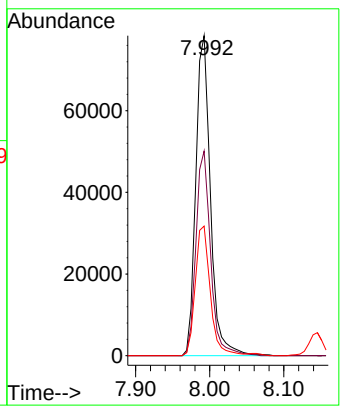


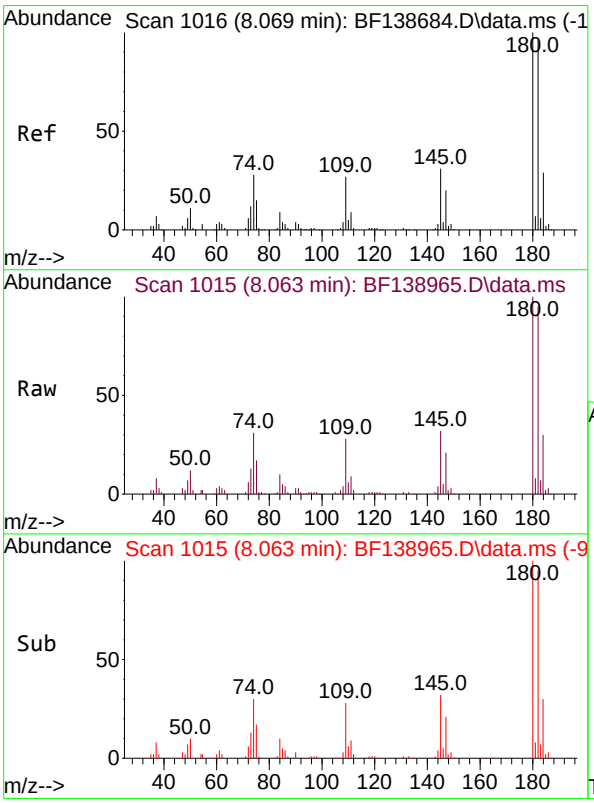
#29
2,4-Dichlorophenol
Concen: 41.207 ng
RT: 7.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 107612

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.7	84.7
98	40.5	20.8	60.8

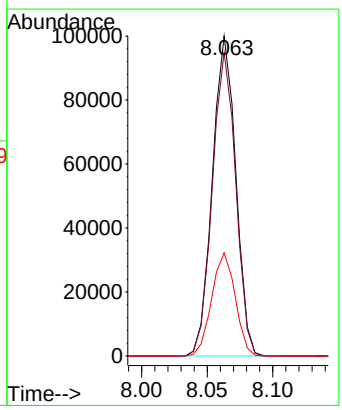


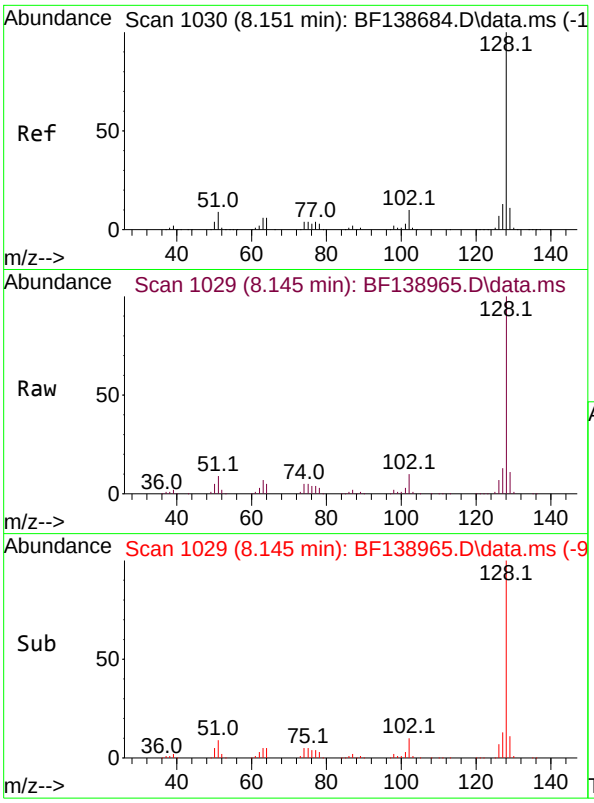


#30
1,2,4-Trichlorobenzene
Concen: 41.137 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:180 Resp: 123977

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
145	32.3	25.0	37.4



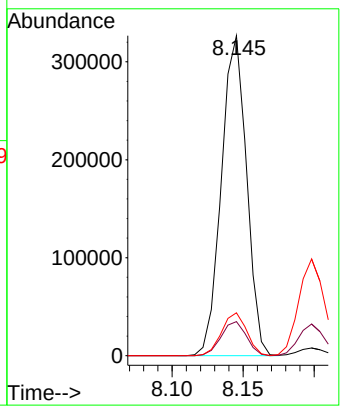


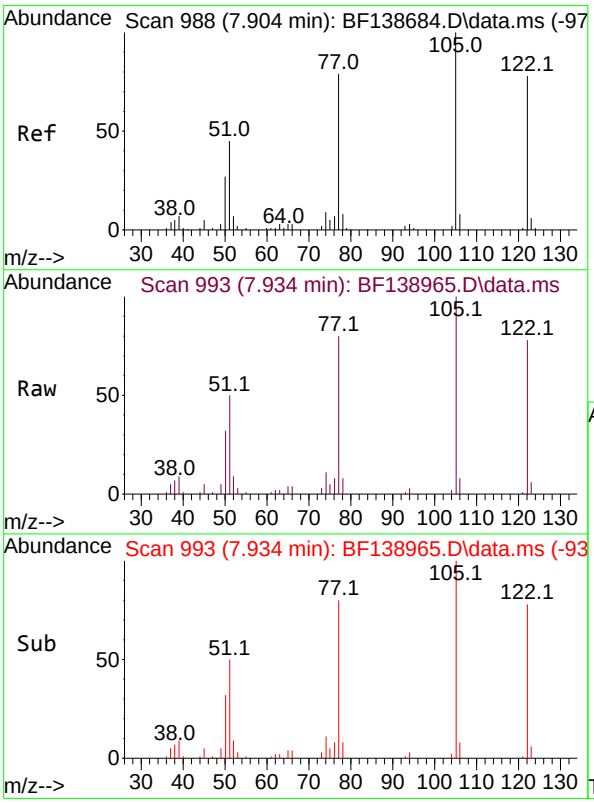
#31
Naphthalene
Concen: 40.320 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 402596

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.4	10.6	16.0

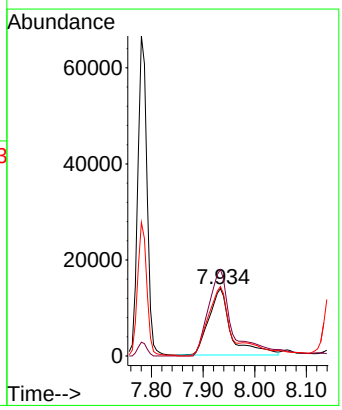


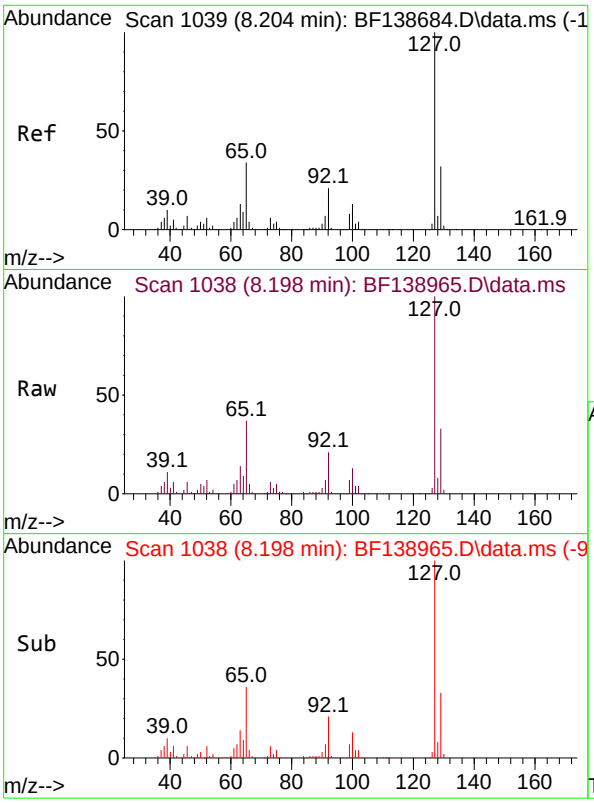


#32
Benzoic acid
Concen: 26.136 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:122 Resp: 41753

Ion	Ratio	Lower	Upper
122	100		
105	128.4	106.7	146.7
77	103.2	81.1	121.1



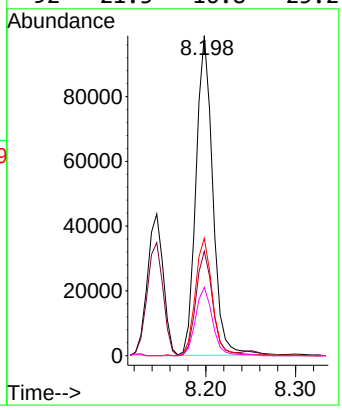


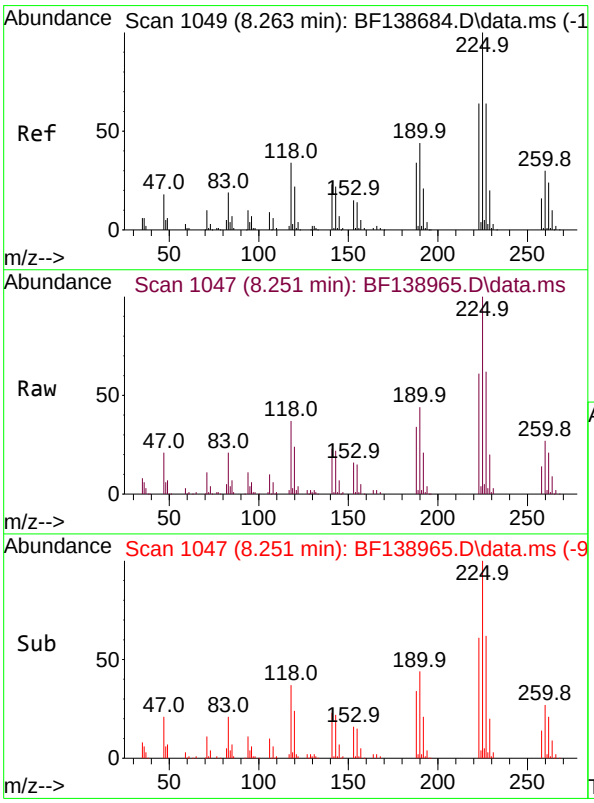
#33
4-Chloroaniline
Concen: 38.214 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 128082

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	36.7	27.6	41.4
92	21.3	16.8	25.2

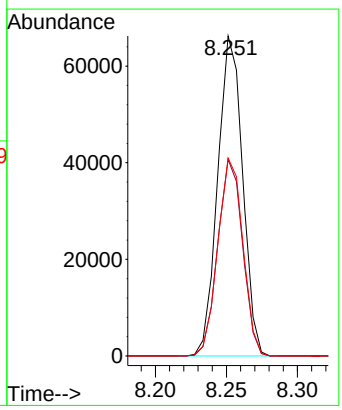


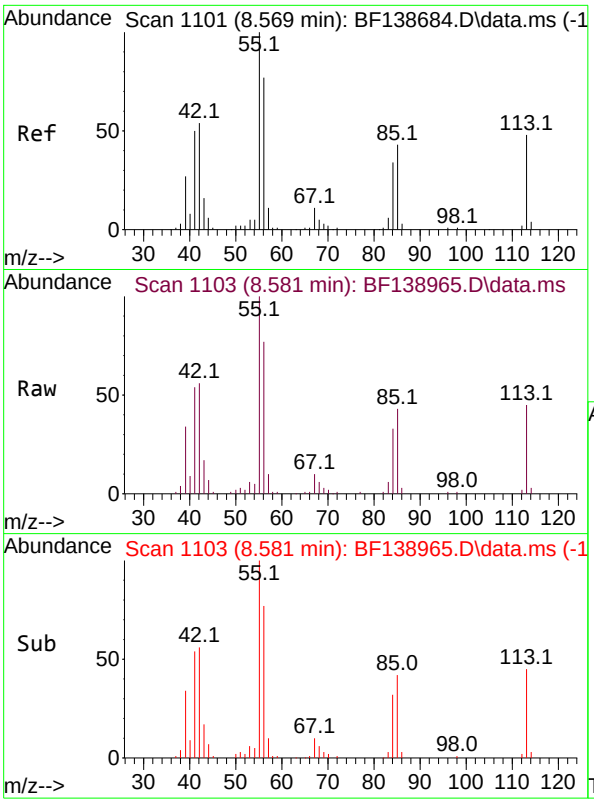


#34
Hexachlorobutadiene
Concen: 44.145 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:225 Resp: 80583

Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.2	76.8
227	61.8	51.1	76.7



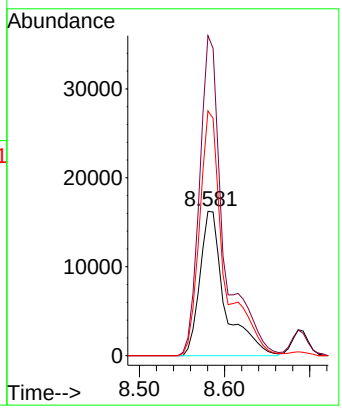


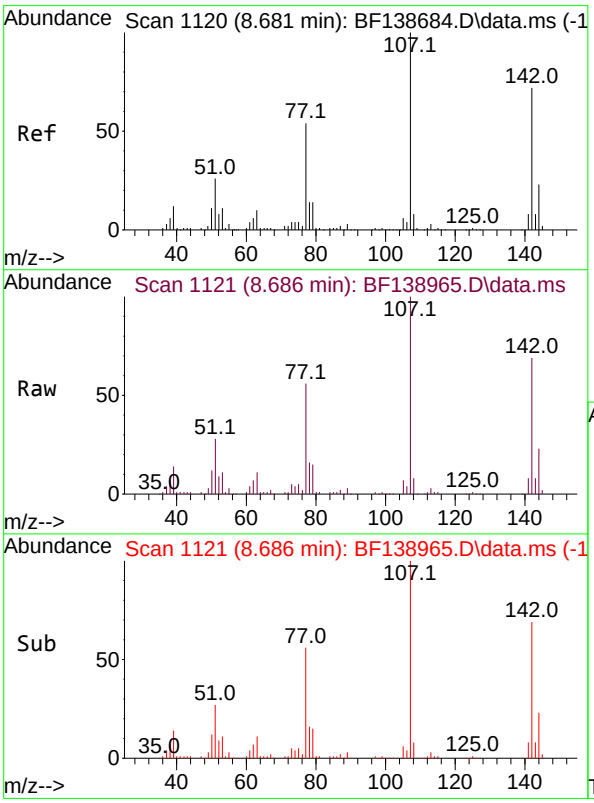
#35
Caprolactam
Concen: 42.733 ng
RT: 8.581 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 33299

Ion	Ratio	Lower	Upper
113	100		
55	221.6	186.7	226.7
56	169.5	138.9	178.9

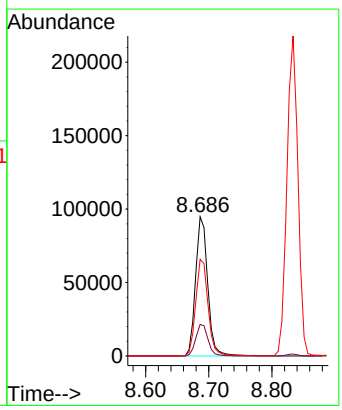


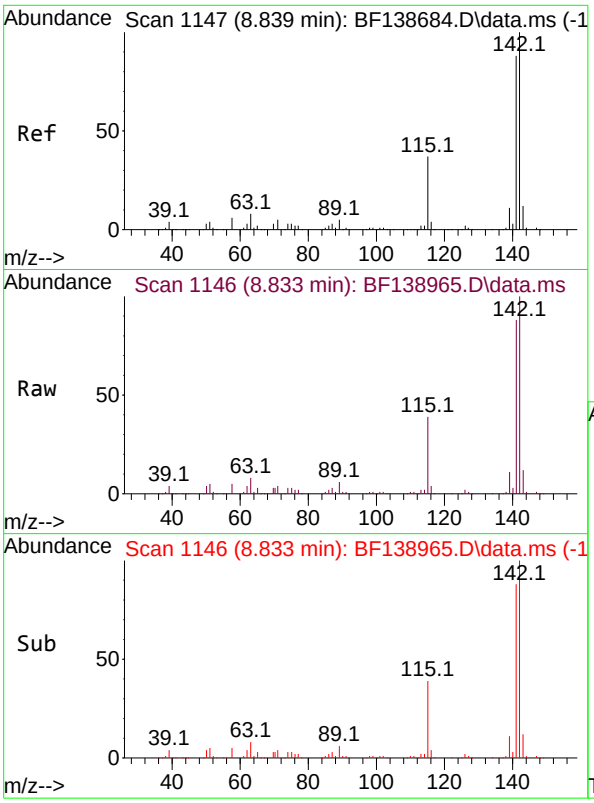


#36
4-Chloro-3-methylphenol
Concen: 42.452 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:107 Resp: 126700

Ion	Ratio	Lower	Upper
107	100		
144	22.6	18.2	27.2
142	69.4	57.4	86.2



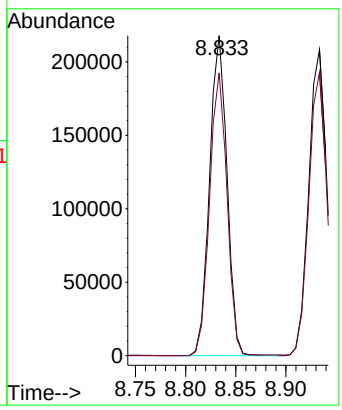


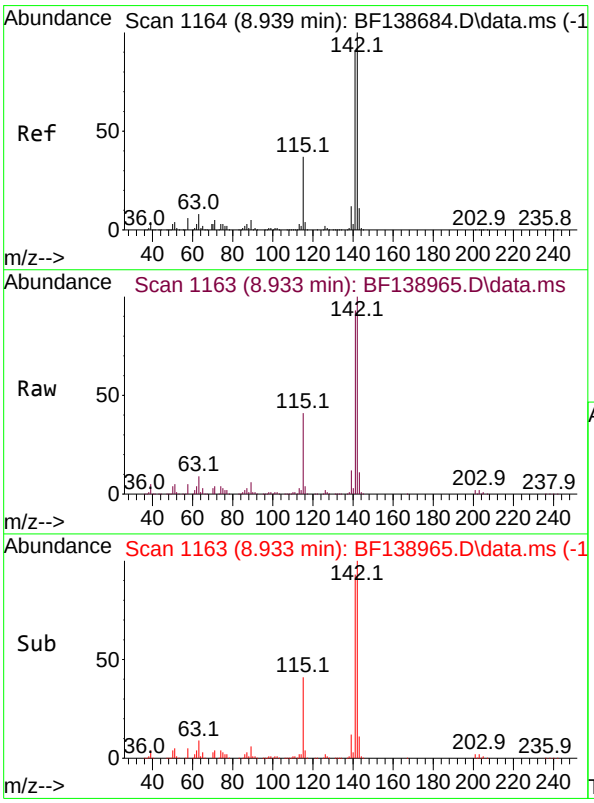
#37
2-Methylnaphthalene
Concen: 41.855 ng
RT: 8.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 263939

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

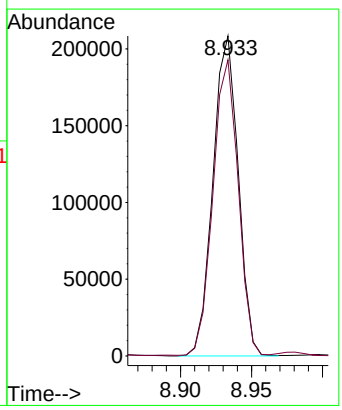


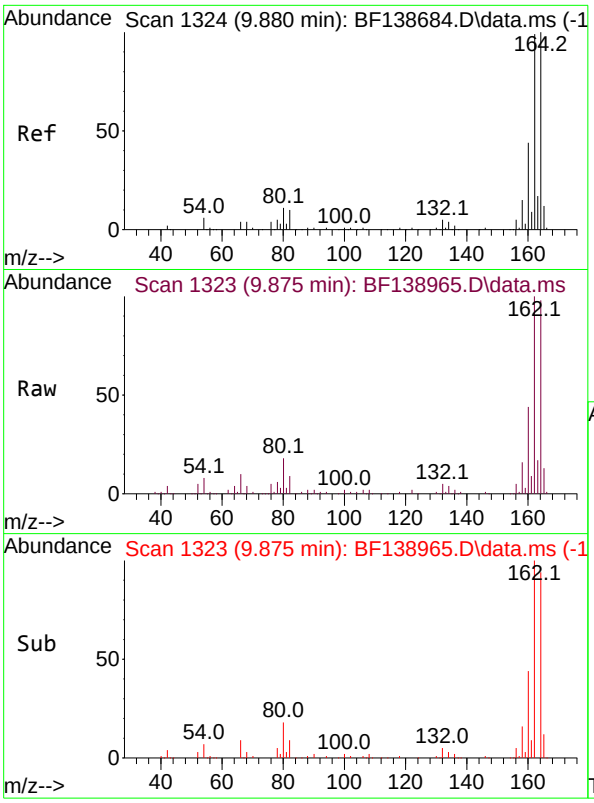


#38
1-Methylnaphthalene
Concen: 41.783 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:142 Resp: 258191

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.1	109.7



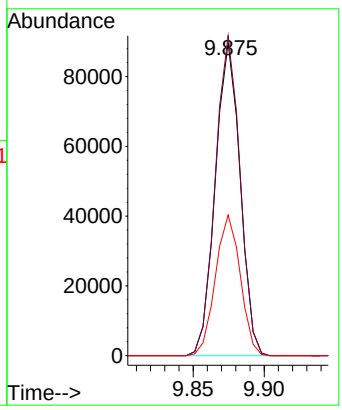


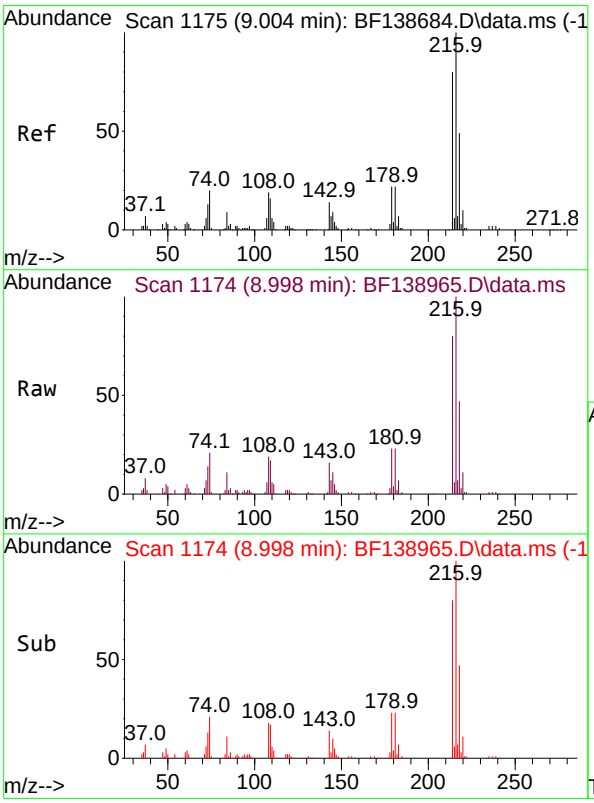
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 108534

Ion	Ratio	Lower	Upper
164	100		
162	102.4	79.4	119.0
160	45.0	35.1	52.7

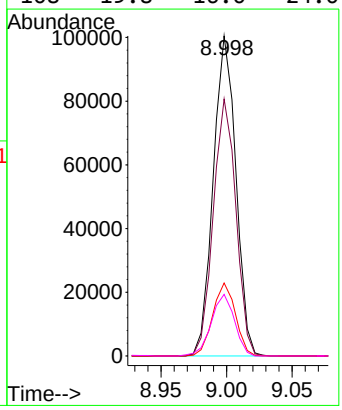


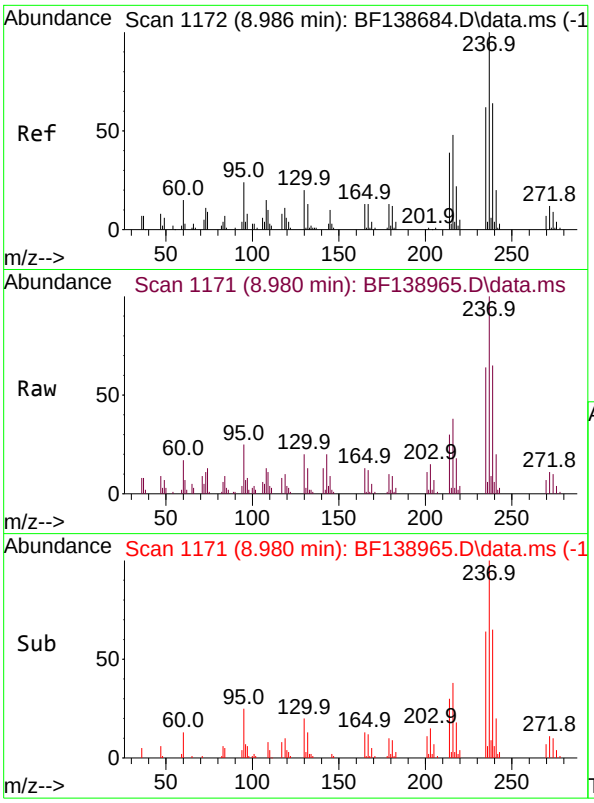


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.926 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:216 Resp: 120374

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.9	95.9
179	22.8	17.8	26.6
108	19.8	16.0	24.0



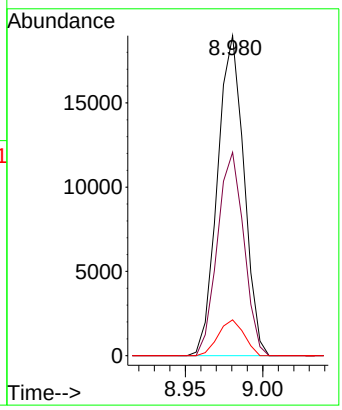


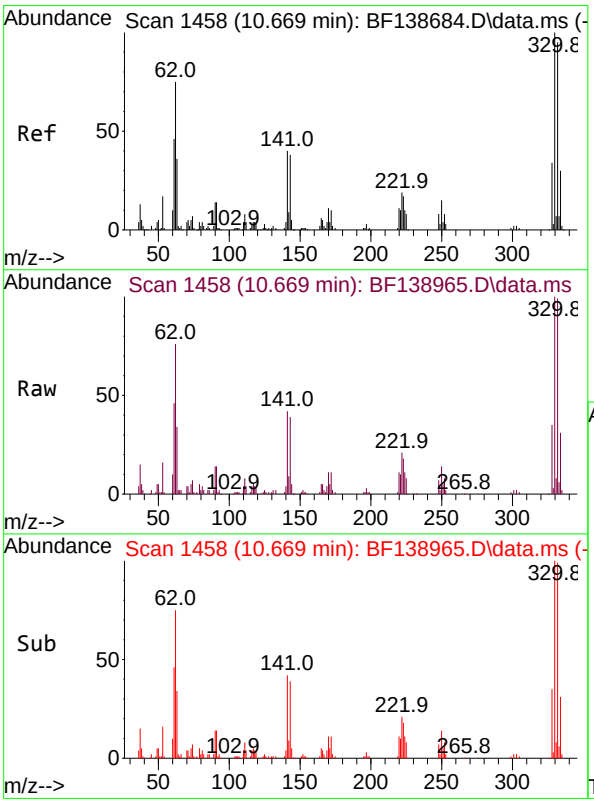
#41
Hexachlorocyclopentadiene
Concen: 32.772 ng
RT: 8.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 22558

Ion	Ratio	Lower	Upper
237	100		
235	63.6	41.8	81.8
272	11.2	0.0	32.2

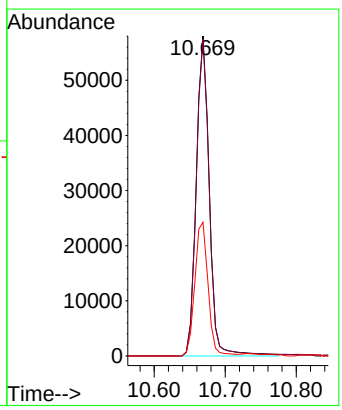


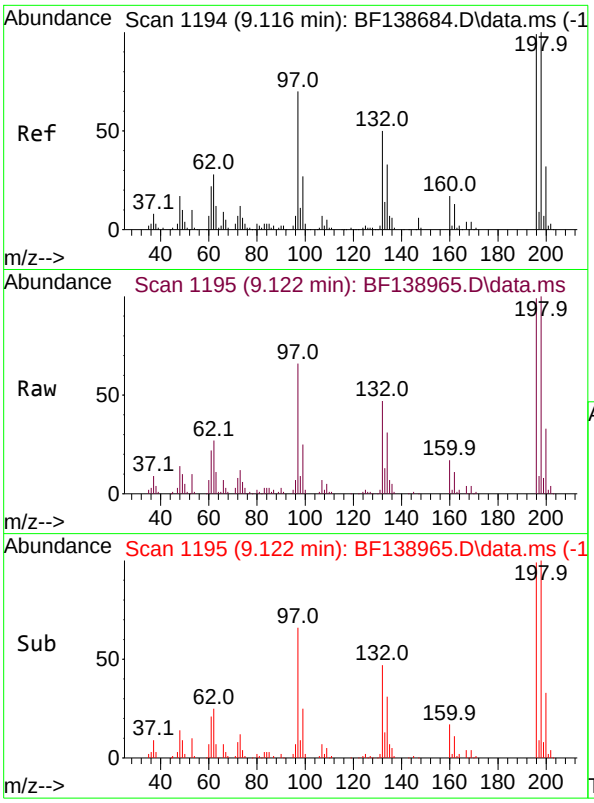


#42
2,4,6-Tribromophenol
Concen: 83.870 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:330 Resp: 74564

Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.4	114.6
141	42.2	31.1	46.7



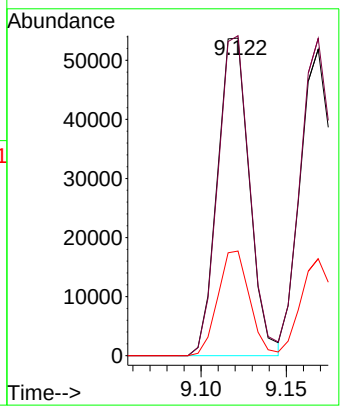


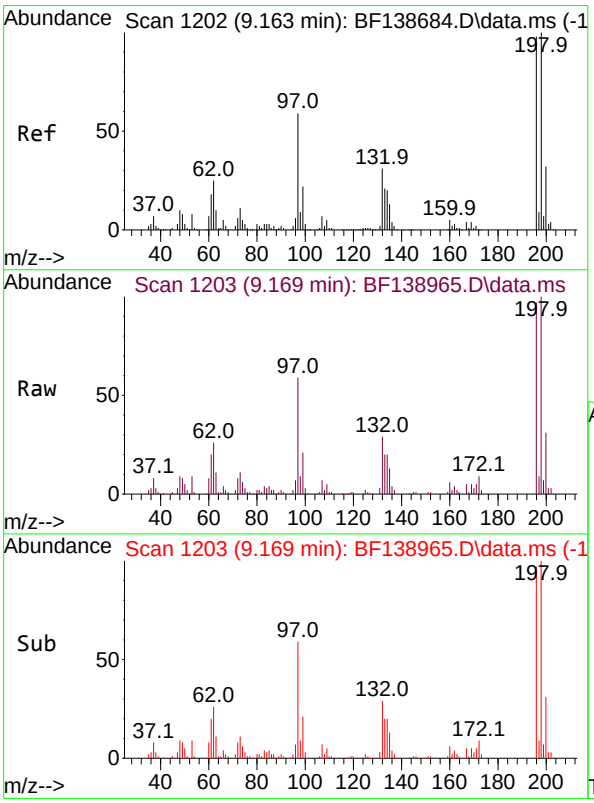
#43
2,4,6-Trichlorophenol
Concen: 38.351 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 70499

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.5	120.7
200	32.9	25.9	38.9

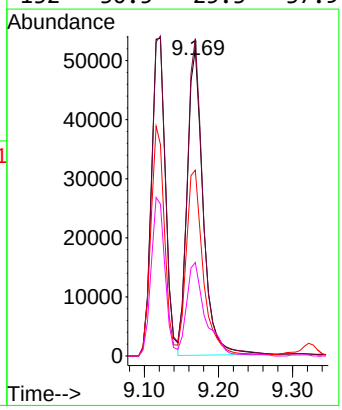


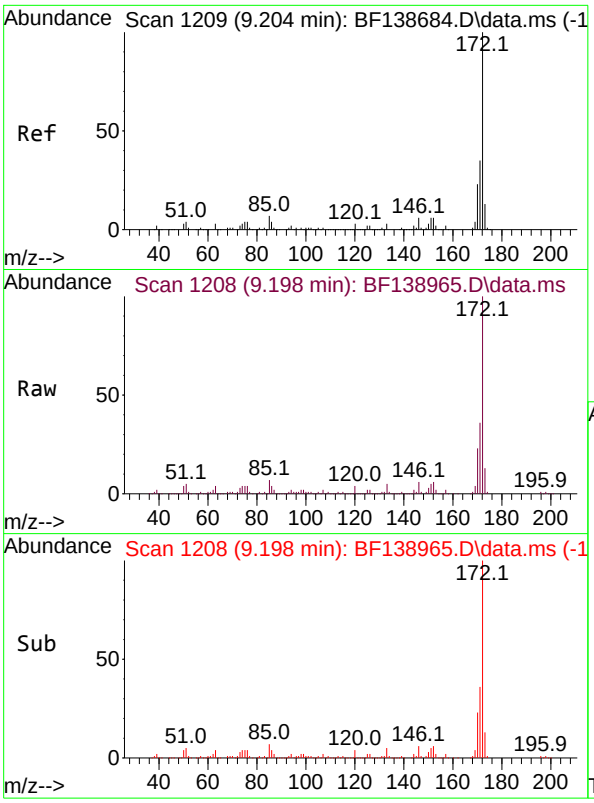


#44
2,4,5-Trichlorophenol
Concen: 38.487 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:196 Resp: 77343

Ion	Ratio	Lower	Upper
196	100		
198	103.5	81.2	121.8
97	60.6	47.8	71.6
132	30.5	25.3	37.9



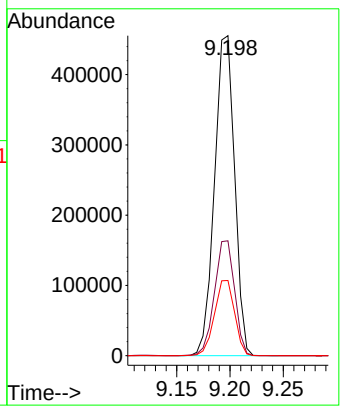


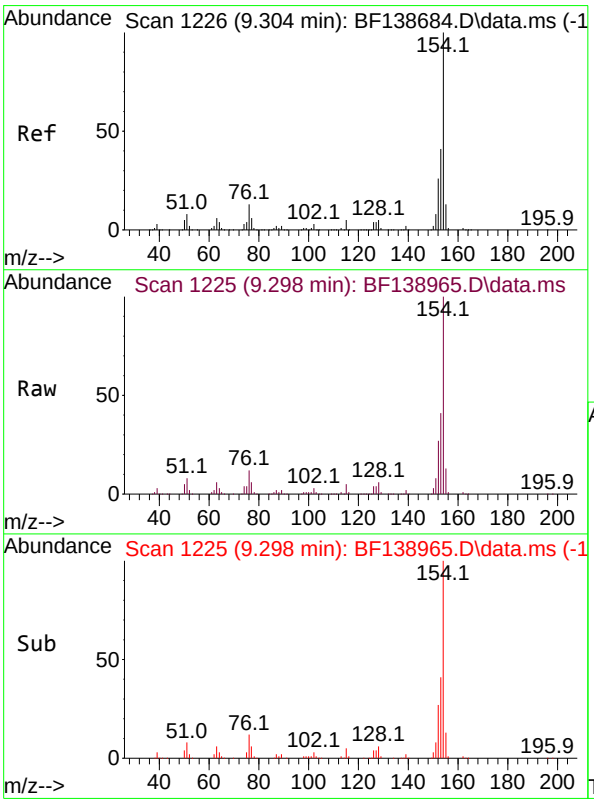
#45
2-Fluorobiphenyl
Concen: 82.543 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 596252

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.3	42.5
170	23.5	18.8	28.2

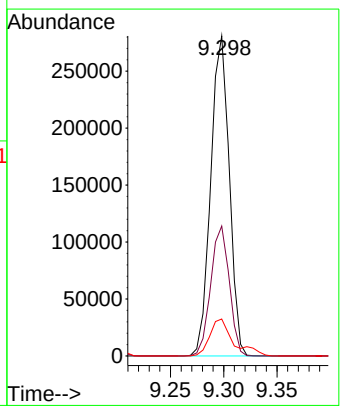


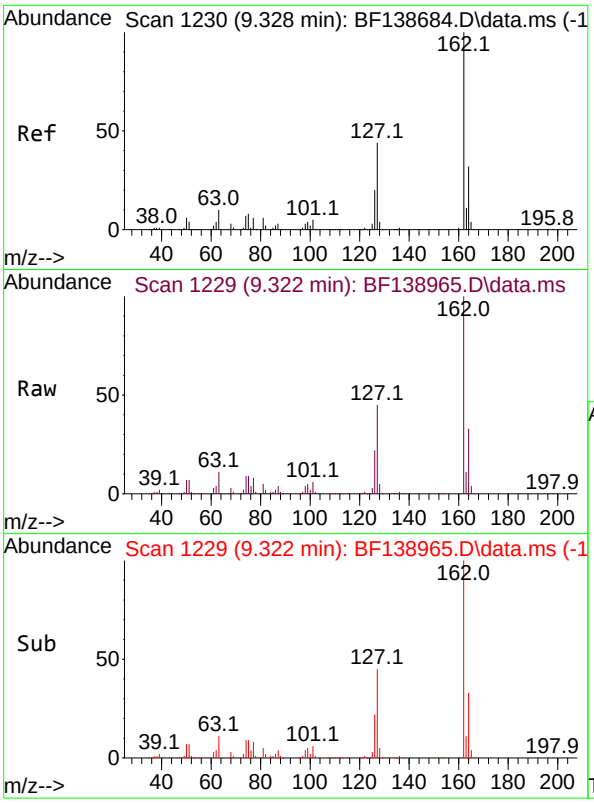


#46
1,1'-Biphenyl
Concen: 39.901 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:154 Resp: 339171

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.8	60.8
76	11.5	0.0	32.8



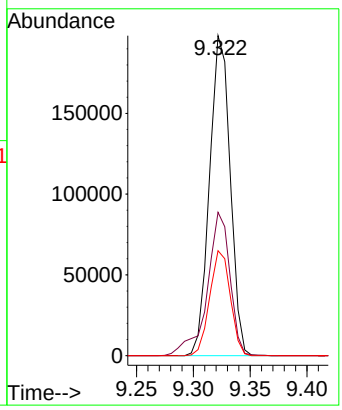


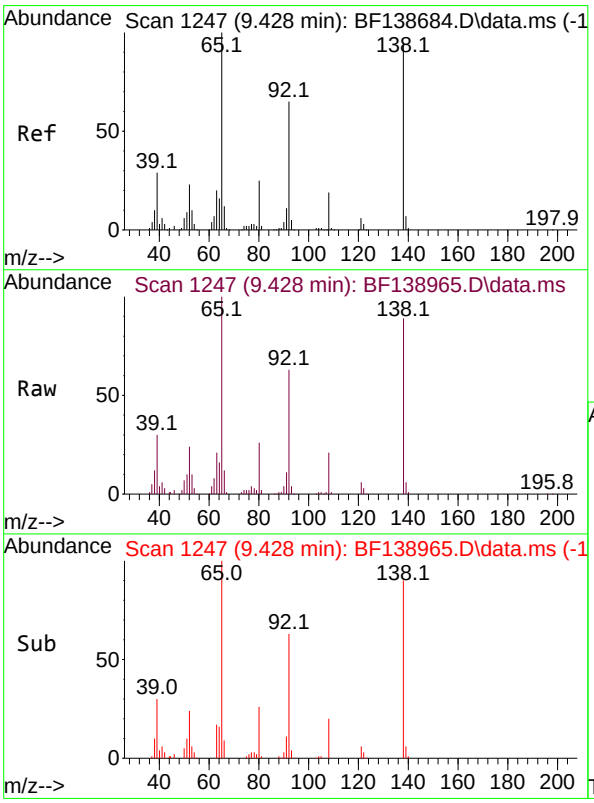
#47
2-Chloronaphthalene
Concen: 39.700 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 250981

Ion	Ratio	Lower	Upper
162	100		
127	44.8	35.4	53.2
164	32.8	25.6	38.4

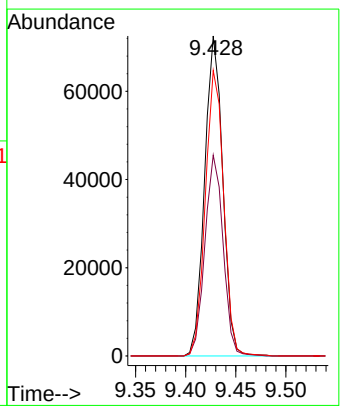


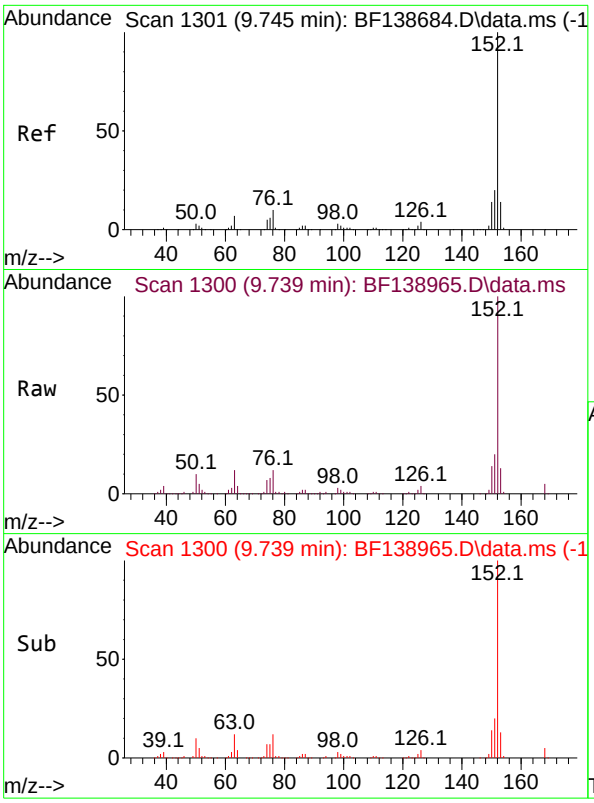


#48
2-Nitroaniline
Concen: 42.585 ng
RT: 9.428 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion: 65 Resp: 91268

Ion	Ratio	Lower	Upper
65	100		
92	62.7	52.0	78.0
138	89.2	76.2	114.4



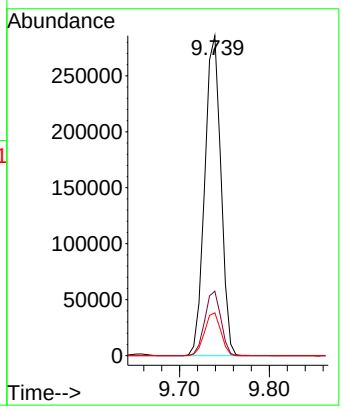


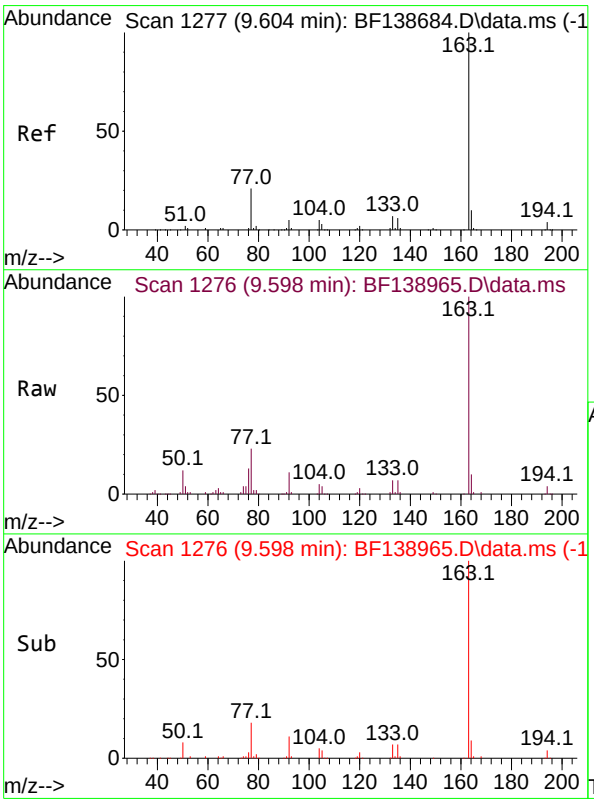
#49
Acenaphthylene
Concen: 39.838 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 357198

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.4	11.0	16.4

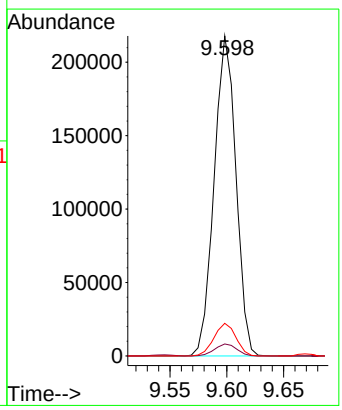


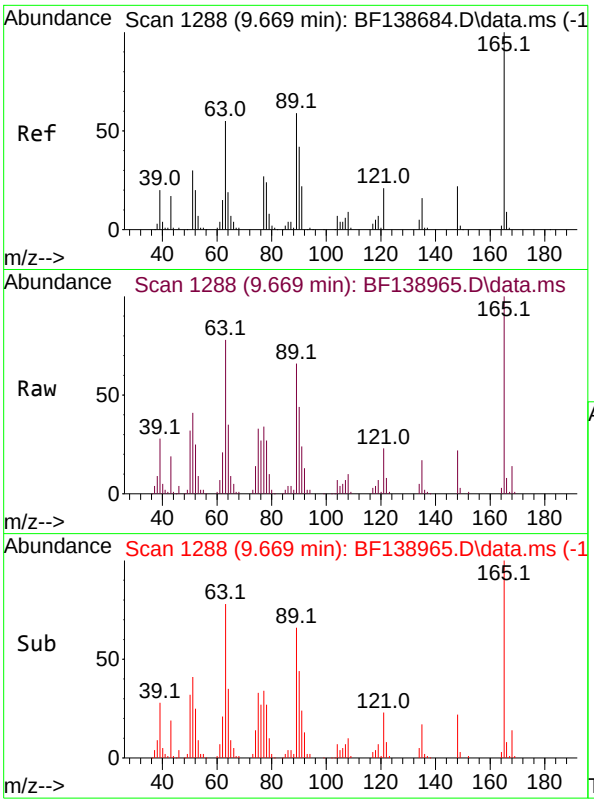


#50
Dimethylphthalate
Concen: 41.967 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:163 Resp: 291241

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.2	7.8	11.8



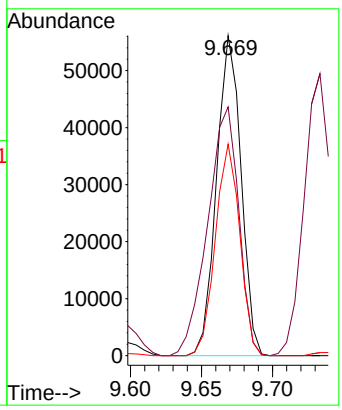


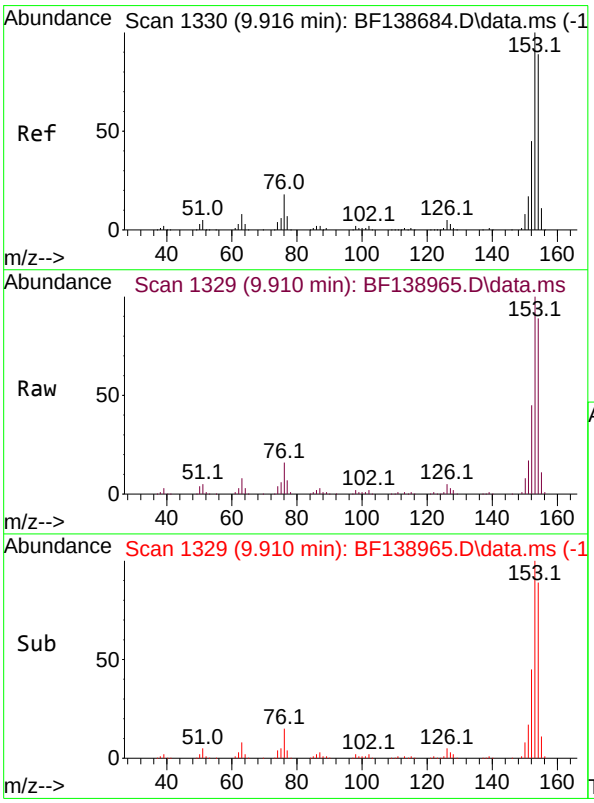
#51
2,6-Dinitrotoluene
Concen: 42.959 ng
RT: 9.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 67281

Ion	Ratio	Lower	Upper
165	100		
63	77.7	52.0	78.0
89	66.1	47.0	70.6

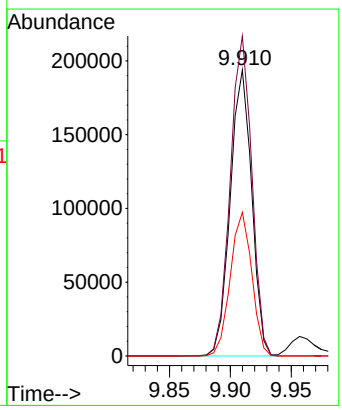


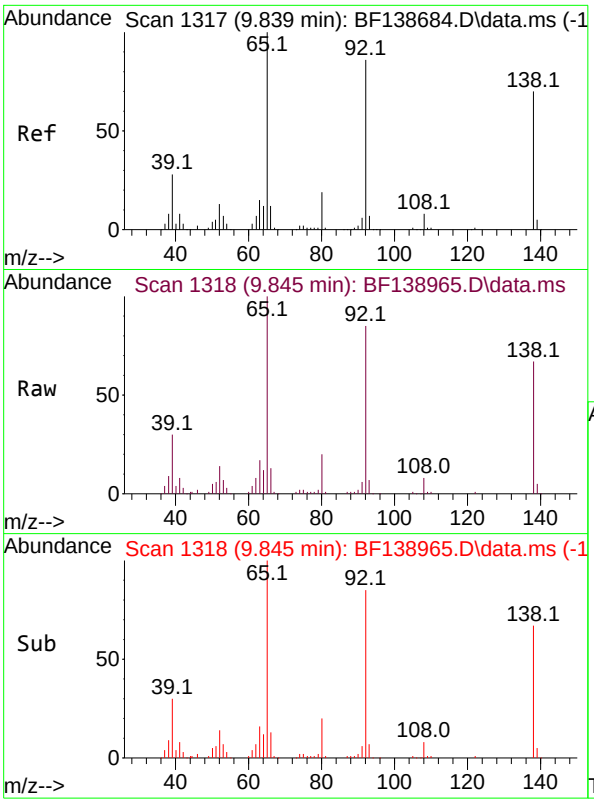


#52
Acenaphthene
Concen: 39.557 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:154 Resp: 238425

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.9	134.9
152	50.2	40.6	60.8



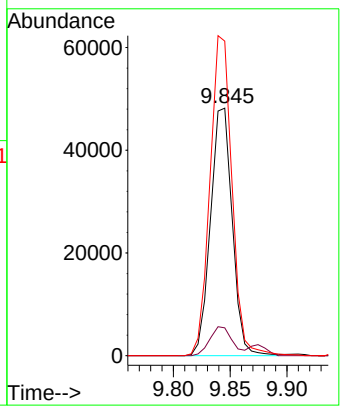


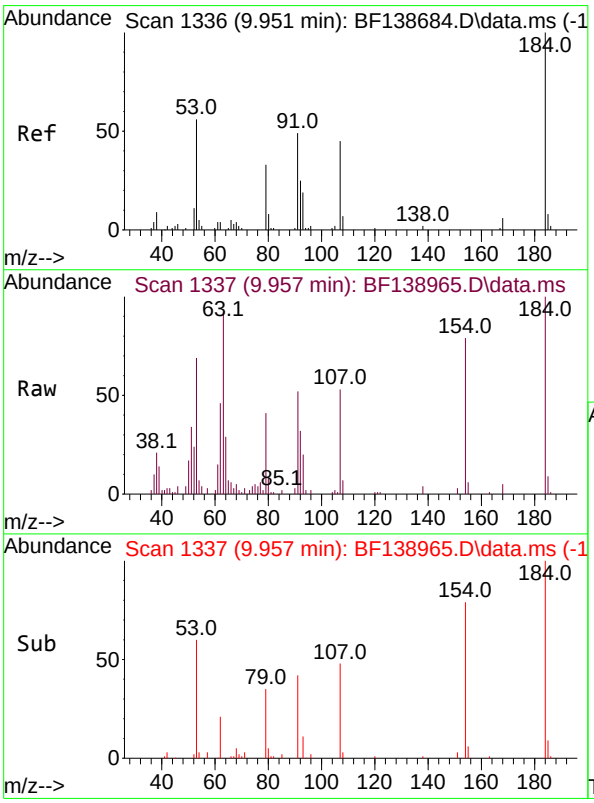
#53
3-Nitroaniline
Concen: 39.724 ng
RT: 9.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 64317

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.1	13.7
92	127.0	98.7	148.1

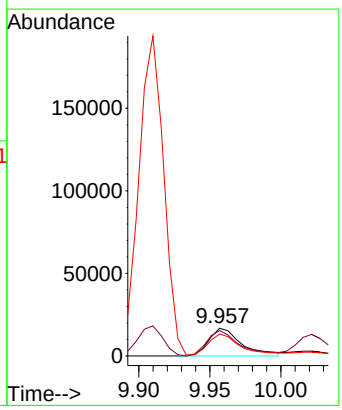


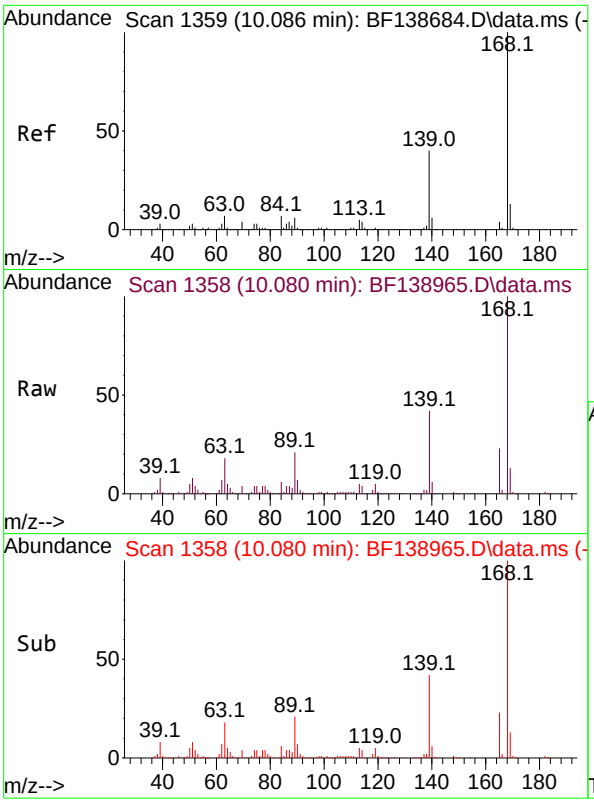


#54
2,4-Dinitrophenol
Concen: 37.319 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:184 Resp: 26906

Ion	Ratio	Lower	Upper
184	100		
63	92.1	57.5	86.3#
154	79.2	51.7	77.5#



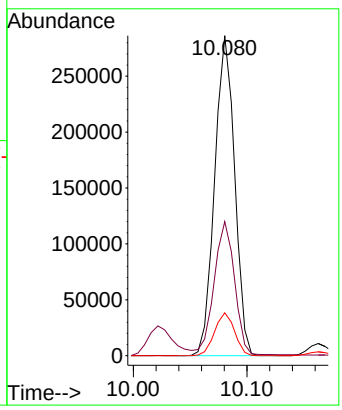


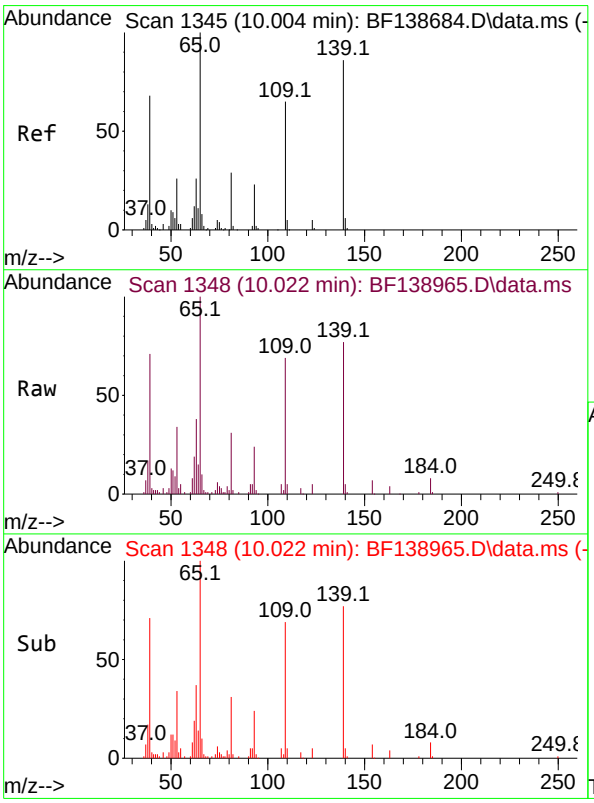
#55
Dibenzofuran
Concen: 41.116 ng
RT: 10.080 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 349823

Ion	Ratio	Lower	Upper
168	100		
139	41.9	32.6	49.0
169	13.4	10.7	16.1

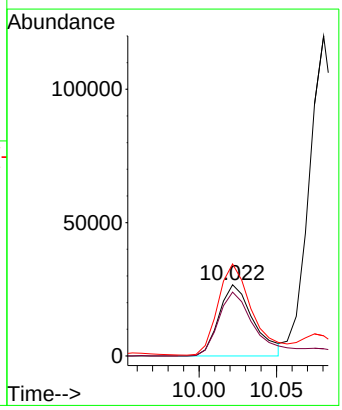


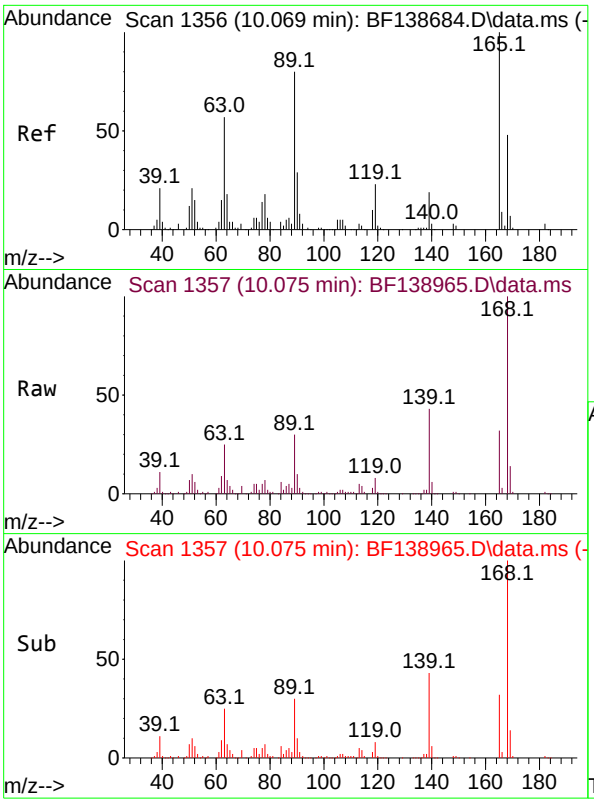


#56
4-Nitrophenol
Concen: 42.323 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:139 Resp: 41207

Ion	Ratio	Lower	Upper
139	100		
109	89.7	55.5	95.5
65	129.3	96.7	136.7



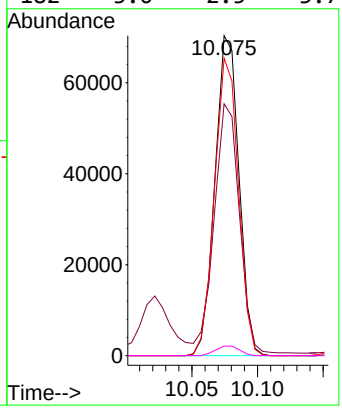


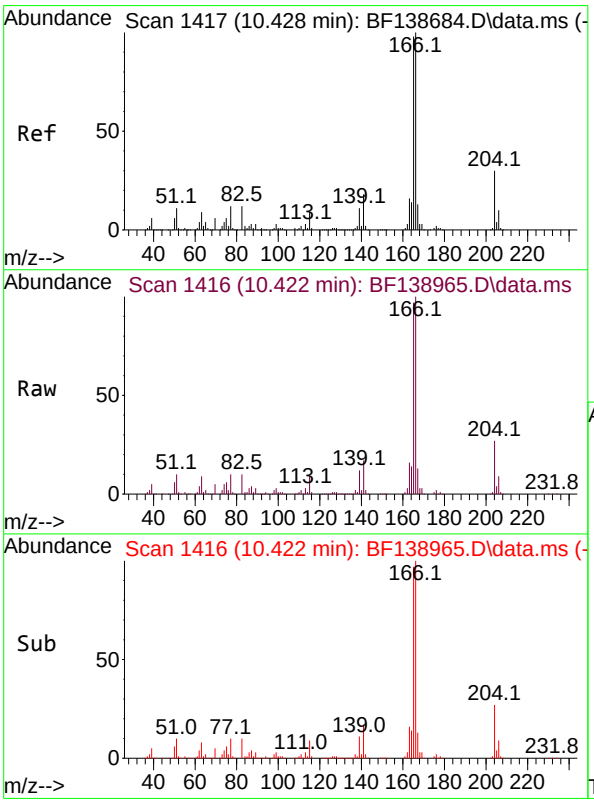
#57
2,4-Dinitrotoluene
Concen: 44.712 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 89344

Ion	Ratio	Lower	Upper
165	100		
63	78.7	46.3	69.5#
89	92.9	64.2	96.4
182	3.0	2.5	3.7

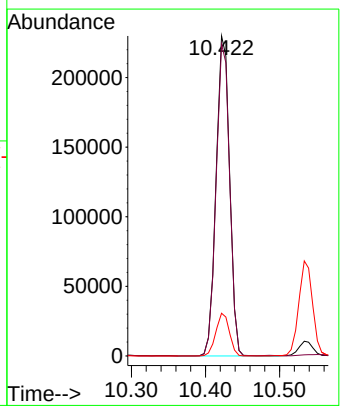


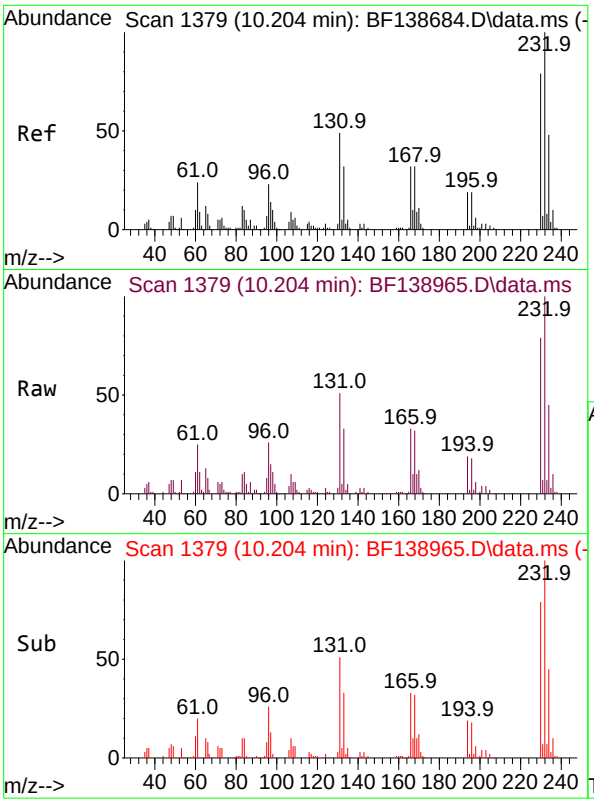


#58
Fluorene
Concen: 43.082 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:166 Resp: 291898

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.4	117.6
167	13.3	10.6	16.0



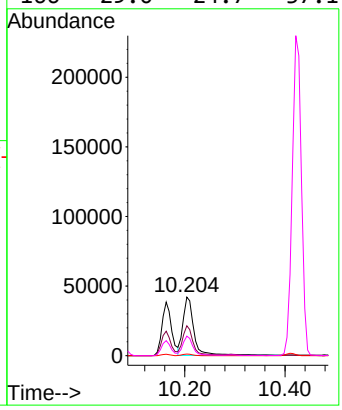


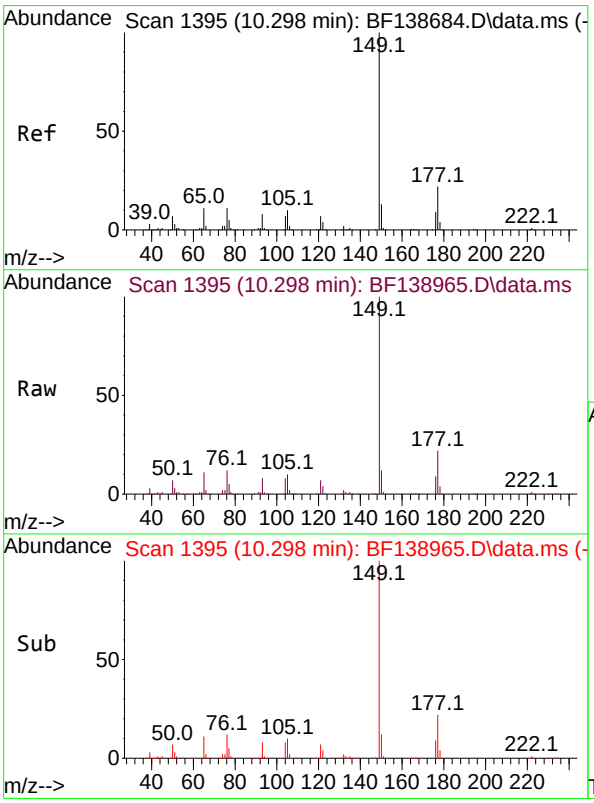
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.523 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 63795

Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.0	55.4
130	2.6	2.0	3.0
166	29.0	24.7	37.1

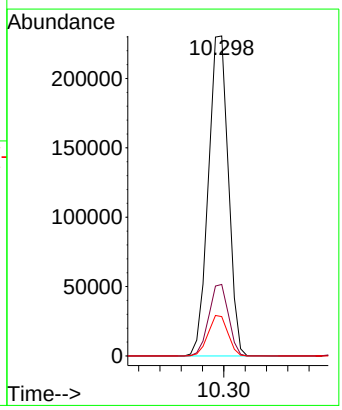


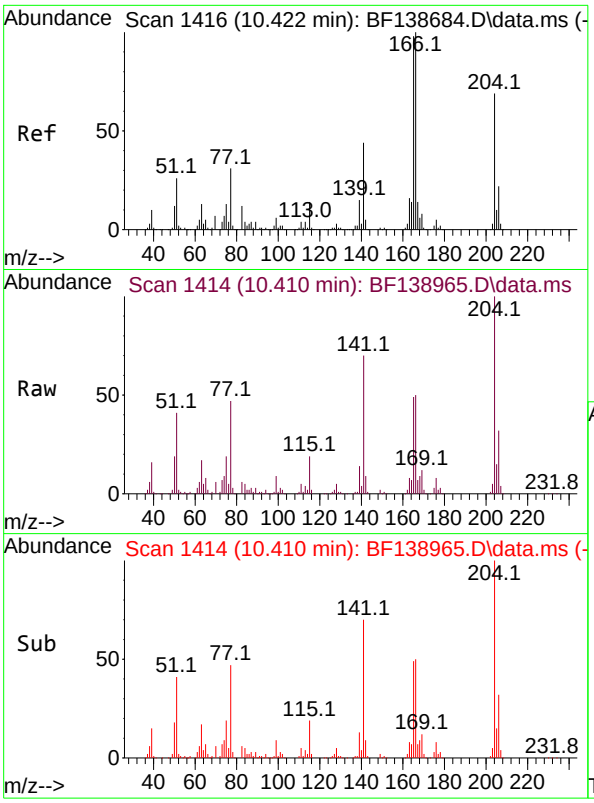


#60
Diethylphthalate
Concen: 45.507 ng
RT: 10.298 min Scan# 1395
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:149 Resp: 299444

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.8
150	12.3	10.1	15.1



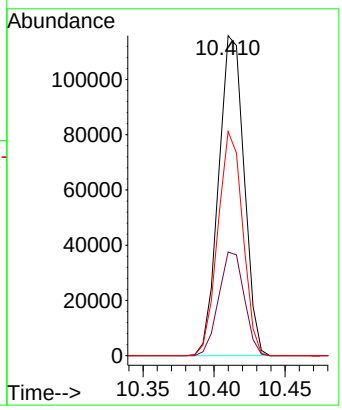


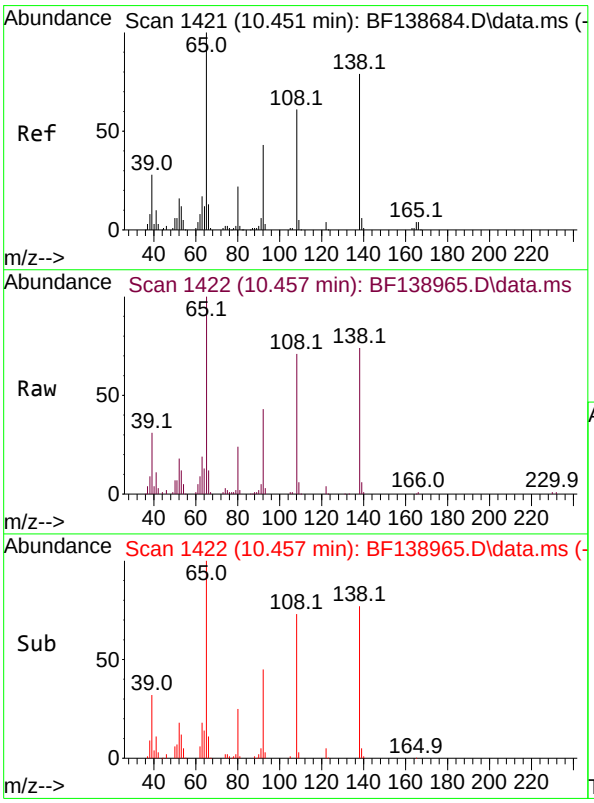
#61
4-Chlorophenyl-phenylether
Concen: 43.462 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 144826

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.1	39.1
141	70.0	51.4	77.0

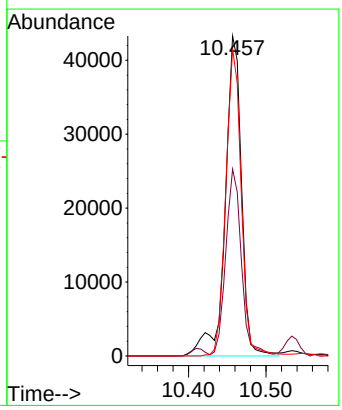


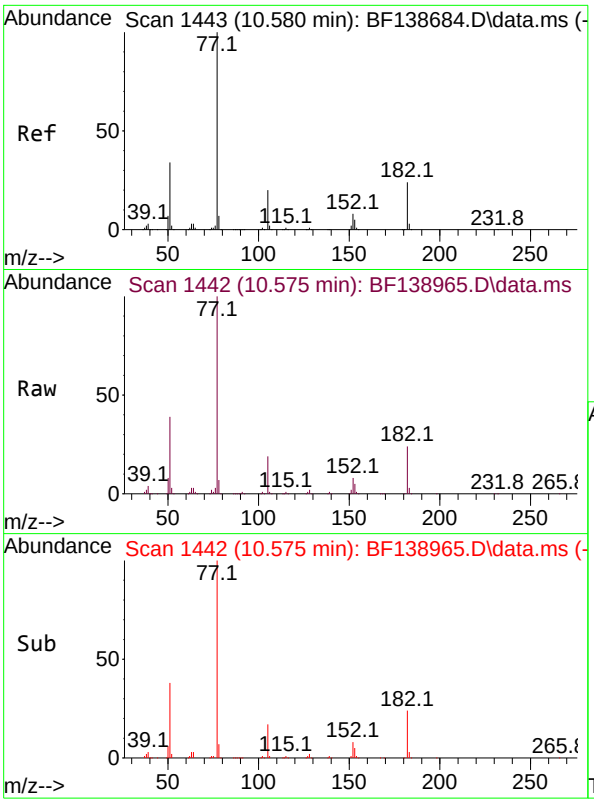


#62
4-Nitroaniline
Concen: 41.221 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:138 Resp: 63424

Ion	Ratio	Lower	Upper
138	100		
92	58.4	34.2	74.2
108	95.9	56.2	96.2



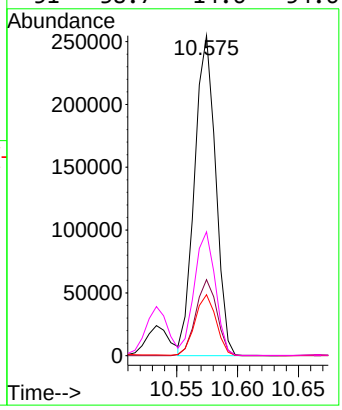


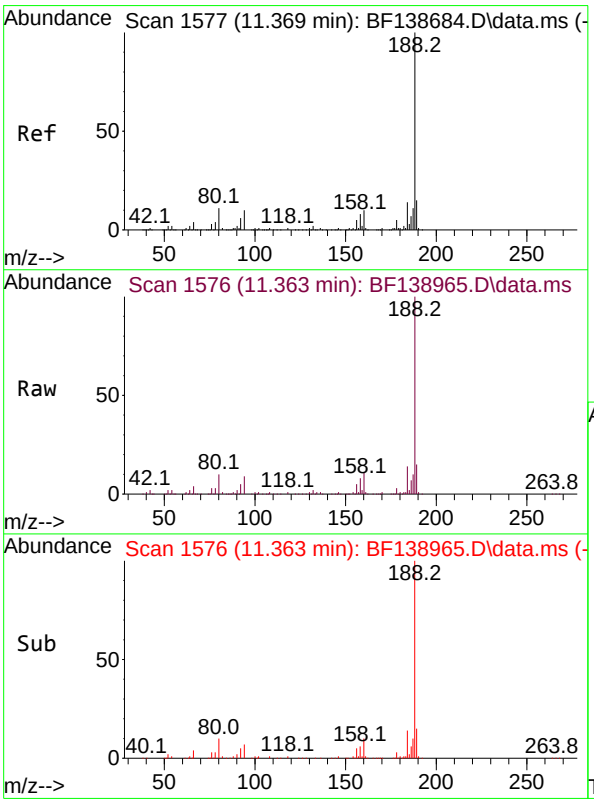
#63
Azobenzene
Concen: 42.022 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 306678

Ion	Ratio	Lower	Upper
77	100		
182	23.7	3.4	43.4
105	19.1	0.2	40.2
51	38.7	14.6	54.6

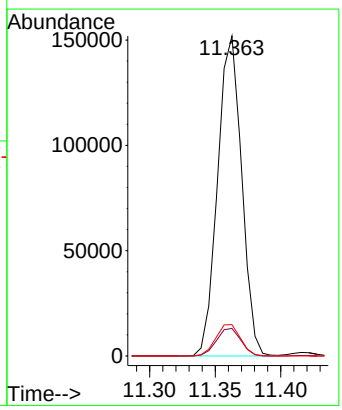


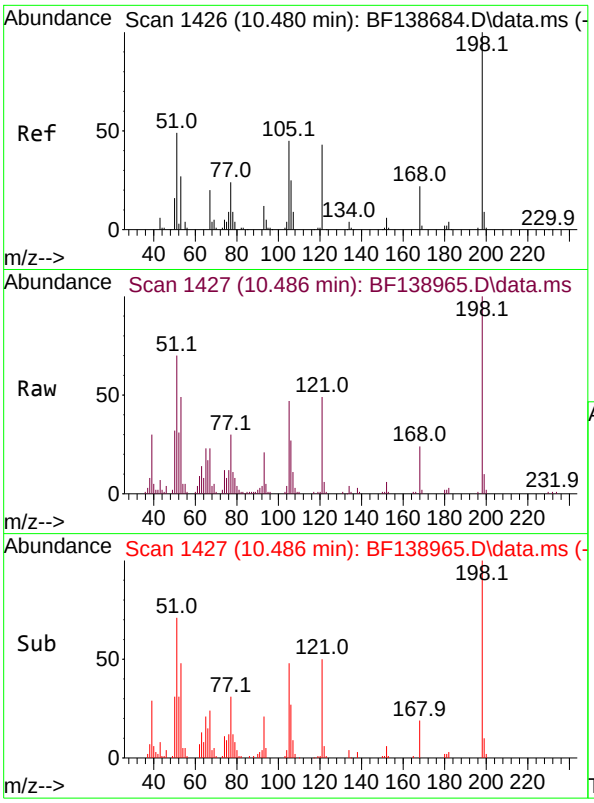


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:188 Resp: 193718

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.6	11.4
80	9.8	8.6	12.8



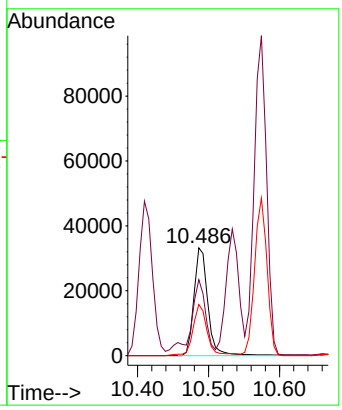


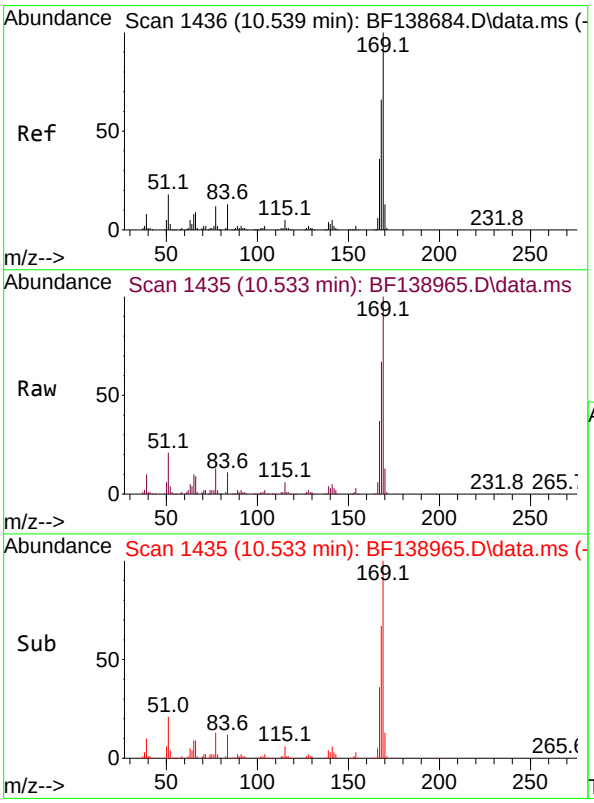
#65
4,6-Dinitro-2-methylphenol
Concen: 38.336 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 45307

Ion	Ratio	Lower	Upper
198	100		
51	70.5	39.9	79.9
105	47.5	26.1	66.1

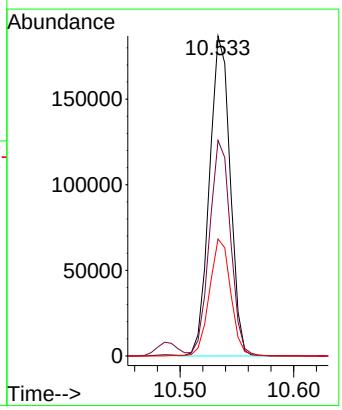


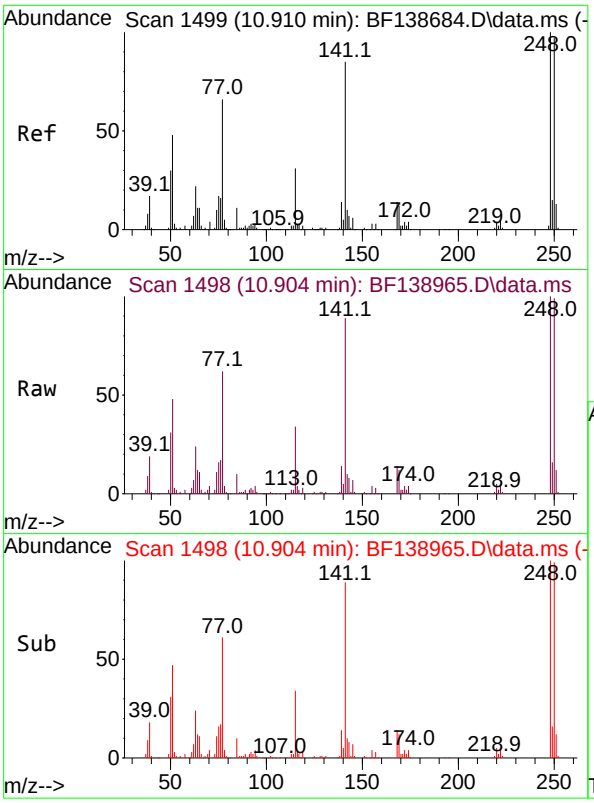


#66
n-Nitrosodiphenylamine
Concen: 39.074 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:169 Resp: 236601

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.5	29.0	43.6



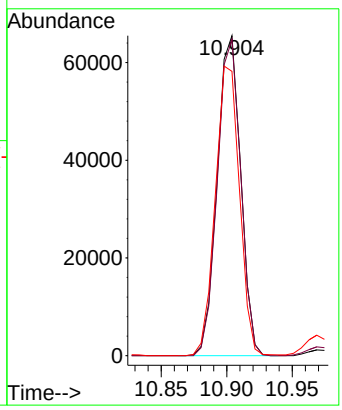


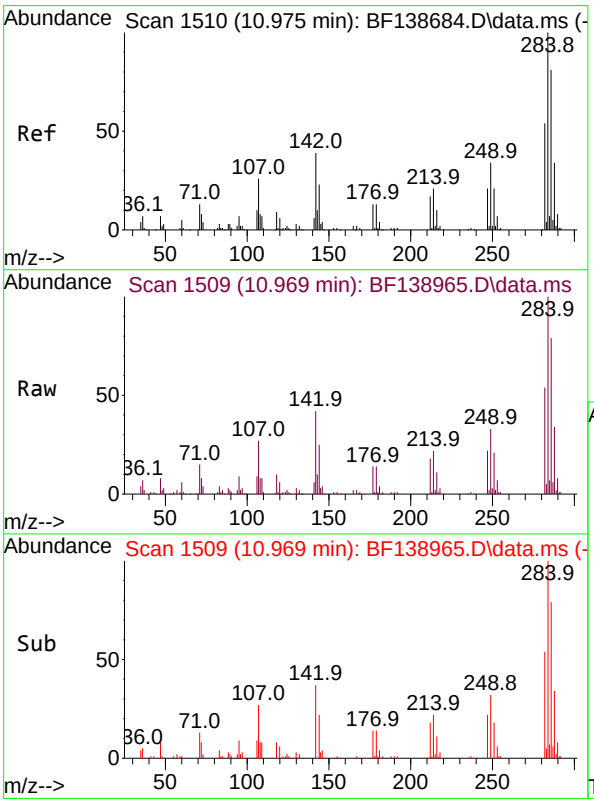
#67
4-Bromophenyl-phenylether
Concen: 38.868 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 81521

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.7	116.5
141	88.9	68.0	102.0

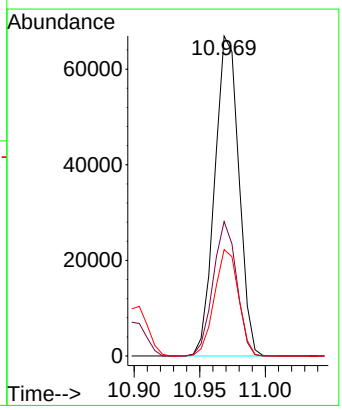


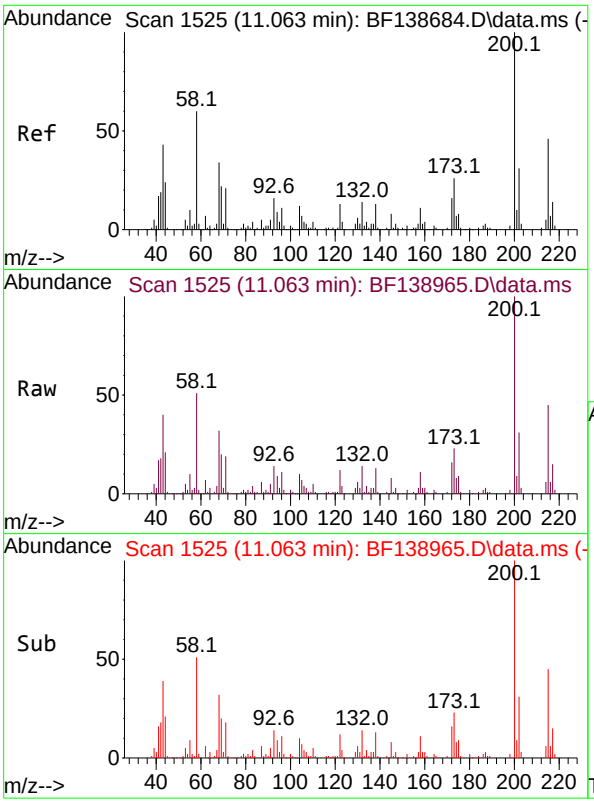


#68
Hexachlorobenzene
Concen: 39.467 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:284 Resp: 85468

Ion	Ratio	Lower	Upper
284	100		
142	42.0	31.3	46.9
249	33.3	27.2	40.8



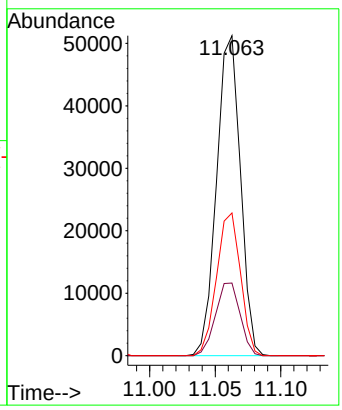


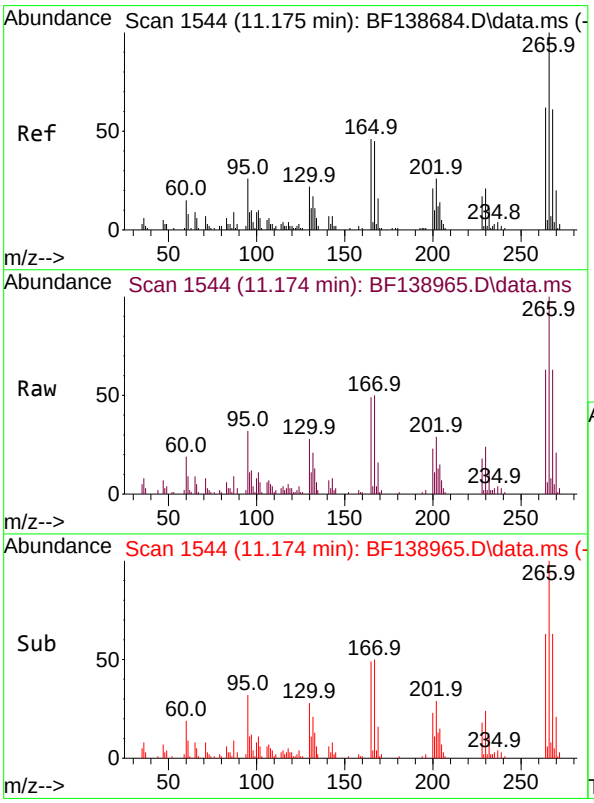
#69
Atrazine
Concen: 41.401 ng
RT: 11.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 64679

Ion	Ratio	Lower	Upper
200	100		
173	22.7	6.0	46.0
215	44.6	26.1	66.1

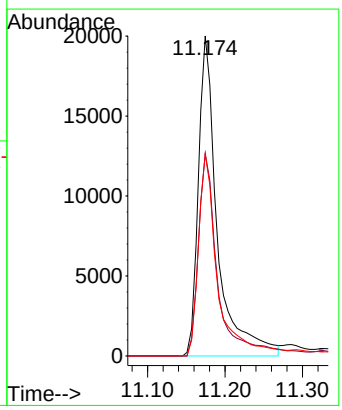


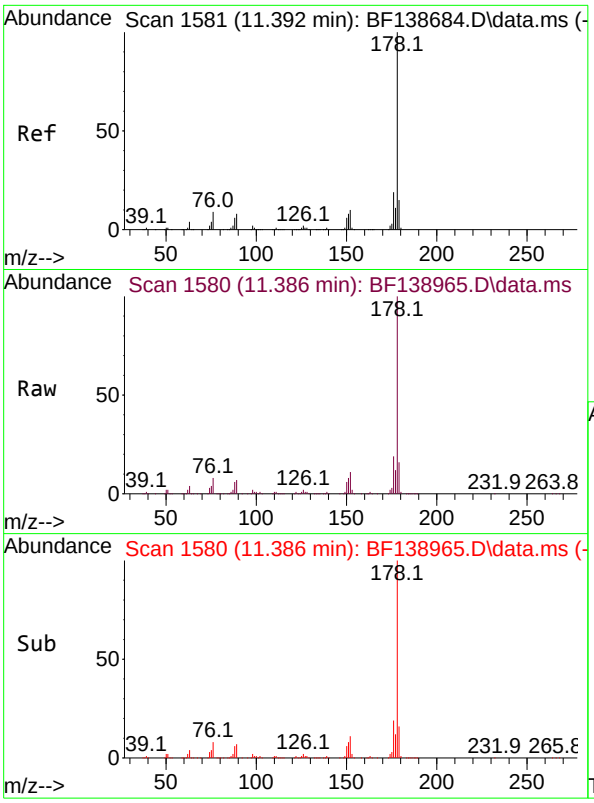


#70
Pentachlorophenol
Concen: 35.149 ng
RT: 11.174 min Scan# 1544
Delta R.T. -0.001 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:266 Resp: 34309

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.2	73.8
264	63.1	49.8	74.6



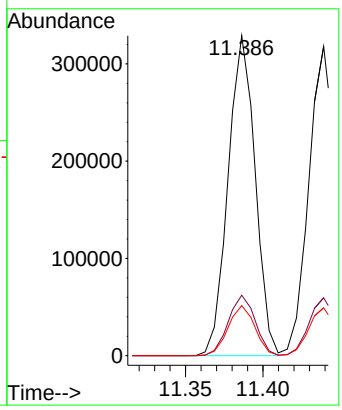


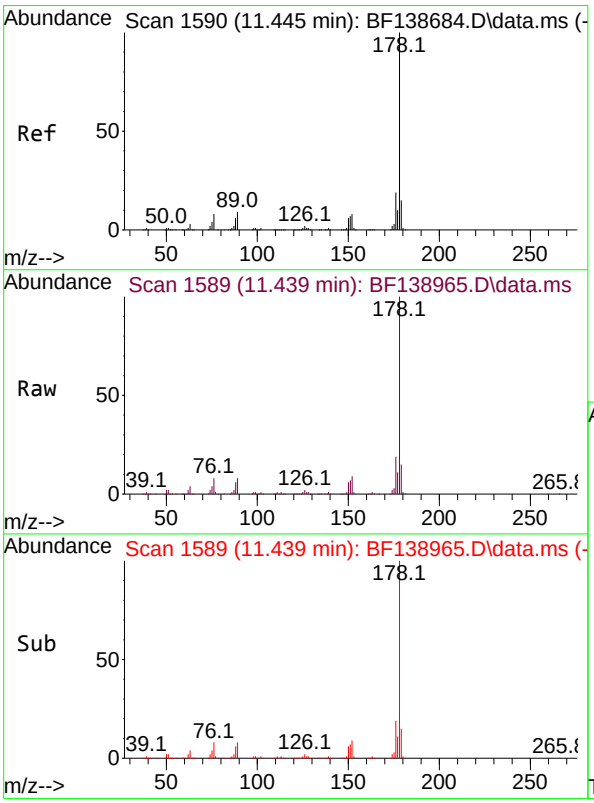
#71
Phenanthrene
Concen: 40.052 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 399518

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.6	12.2	18.2

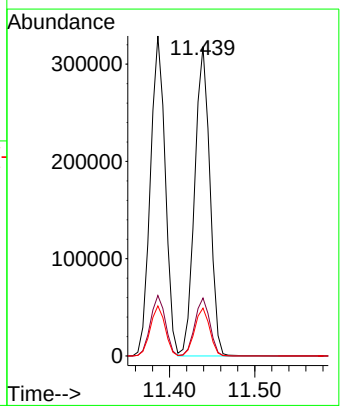


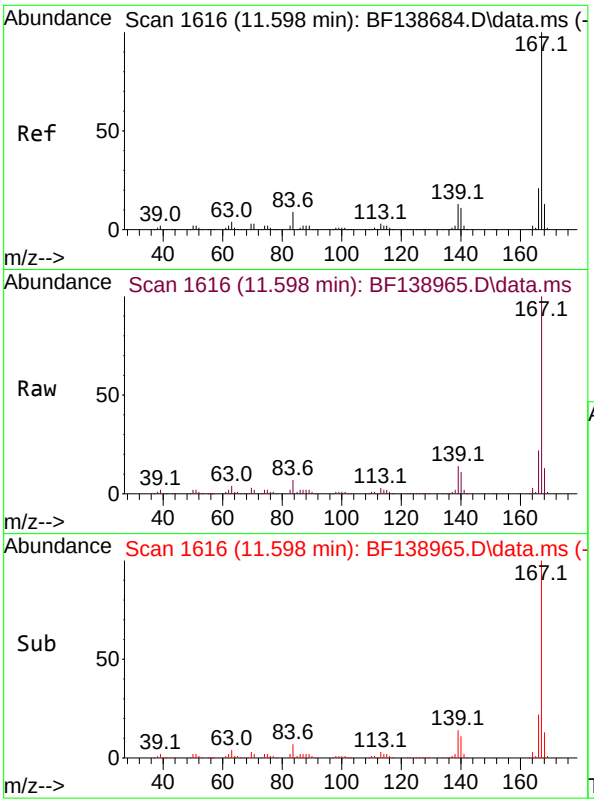


#72
Anthracene
Concen: 40.037 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:178 Resp: 393434

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	12.4	18.6



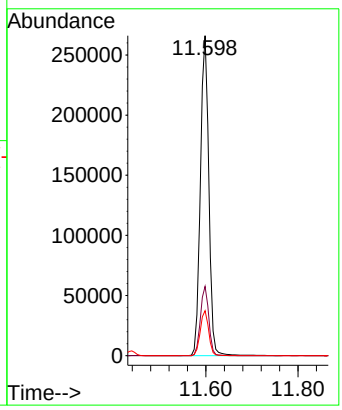


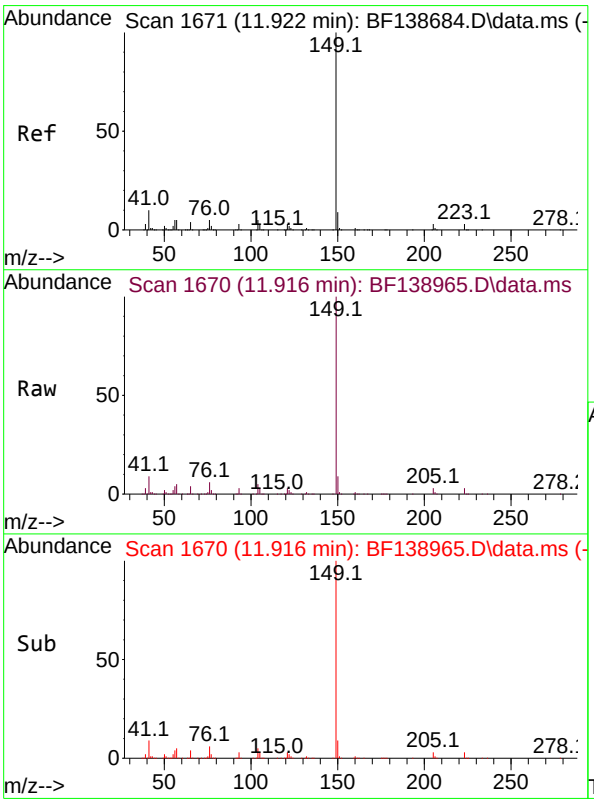
#73
Carbazole
Concen: 39.944 ng
RT: 11.598 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 338647

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	14.1	10.6	16.0

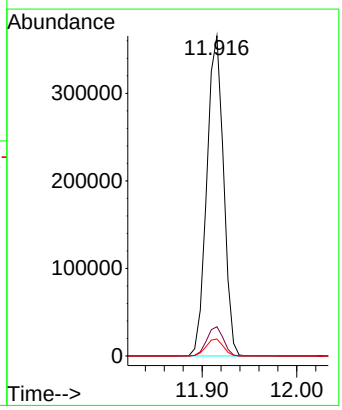


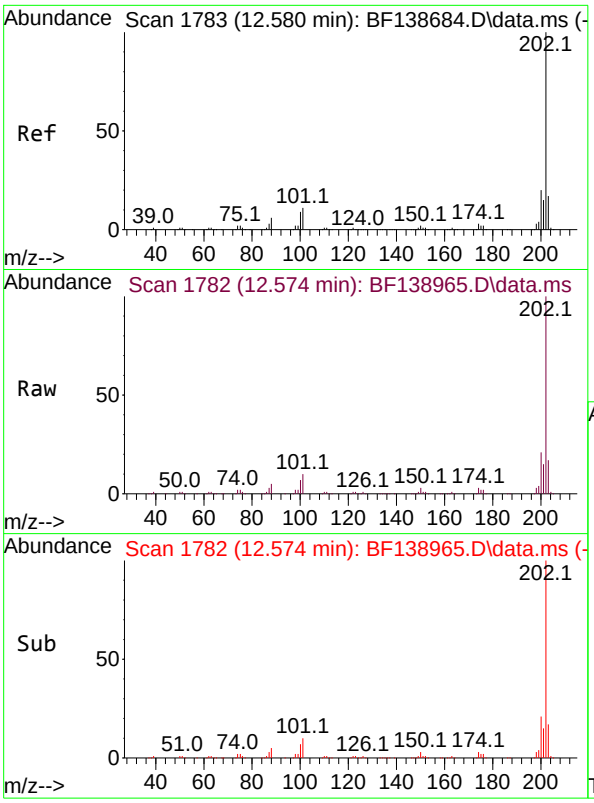


#74
Di-n-butylphthalate
Concen: 47.073 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:149 Resp: 448632

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.3	4.1	6.1



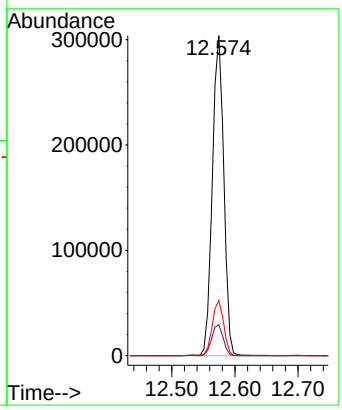


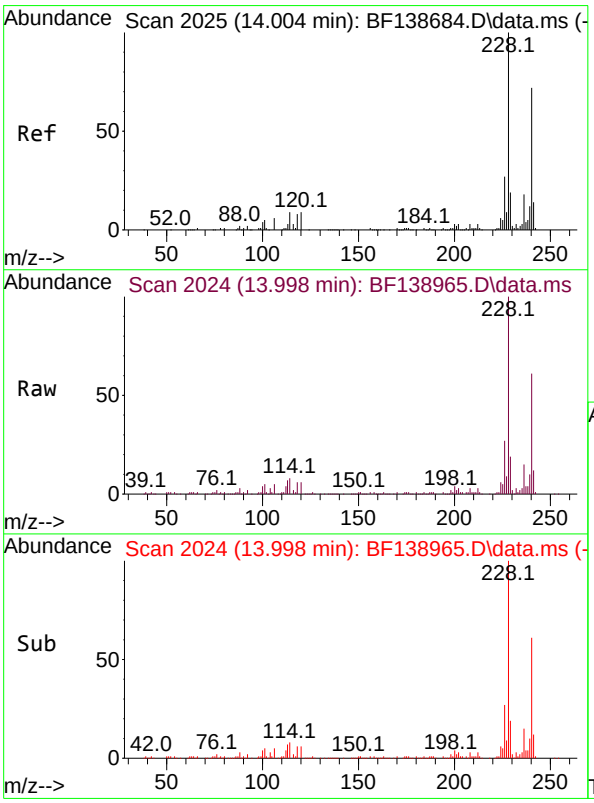
#75
Fluoranthene
Concen: 40.988 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 381687

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.2
203	17.2	0.0	37.3

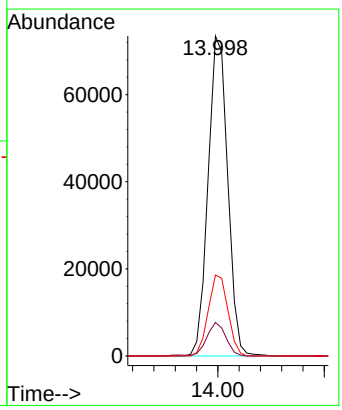


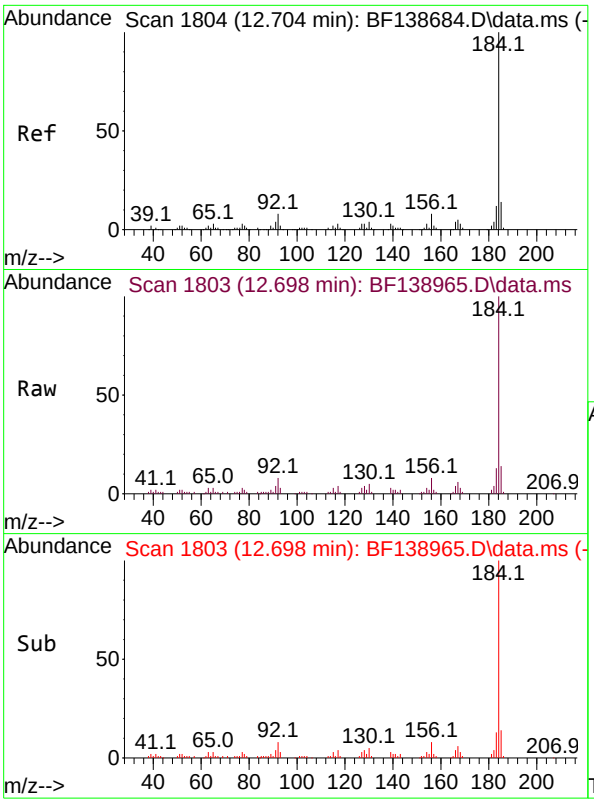


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:240 Resp: 93804

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.2	15.4
236	25.3	19.8	29.8



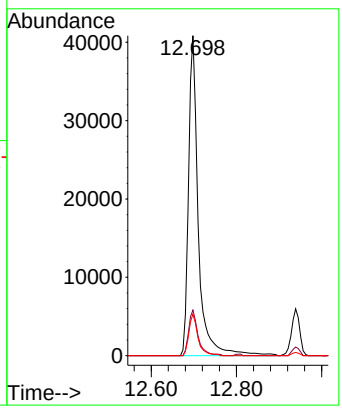


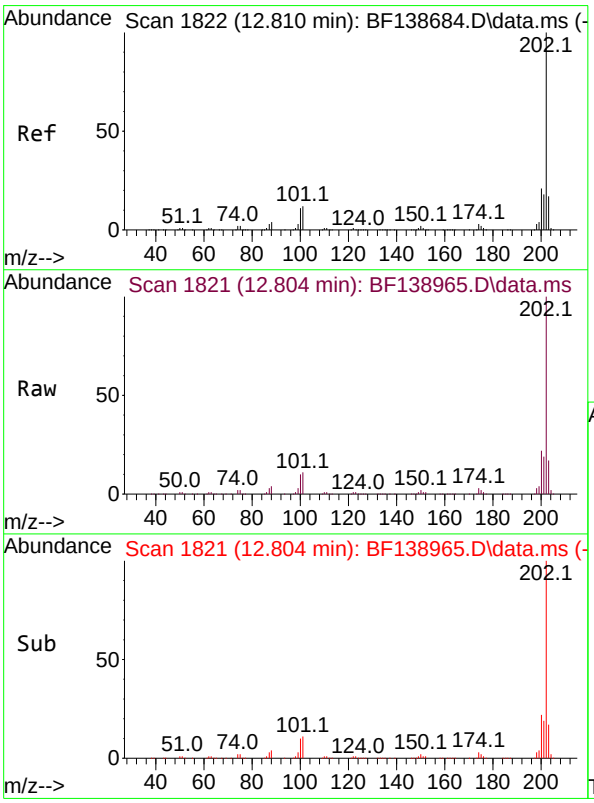
#77
Benzidine
Concen: 29.106 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 65303

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.1	16.7
183	13.0	9.6	14.4

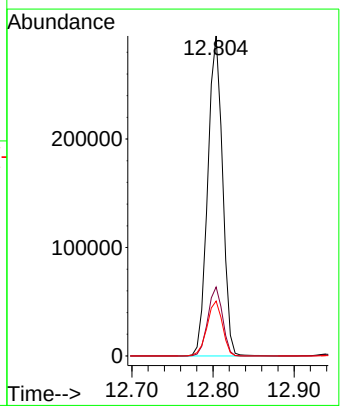


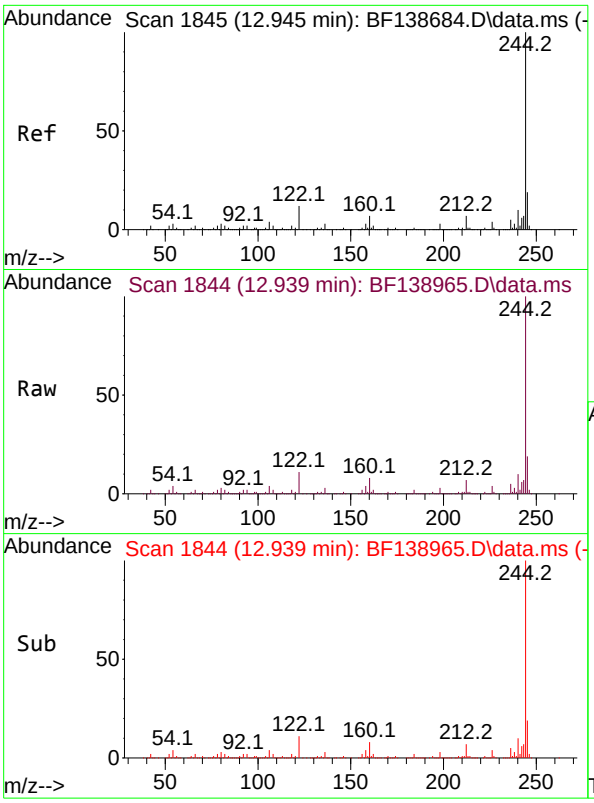


#78
Pyrene
Concen: 42.200 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:202 Resp: 372704

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.1	13.8	20.6



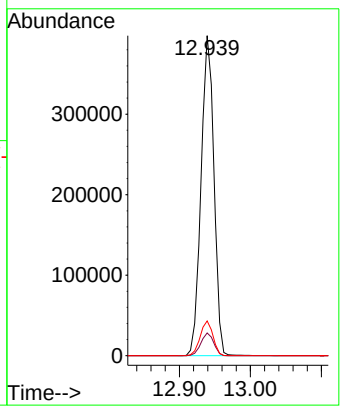


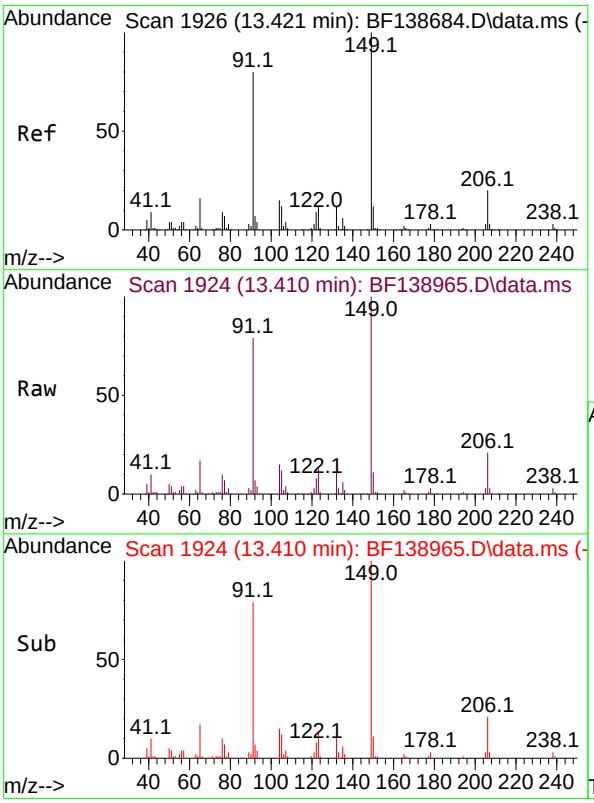
#79
Terphenyl-d14
Concen: 89.966 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 504053

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.9	9.6	14.4

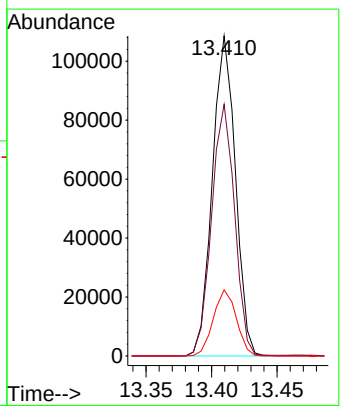


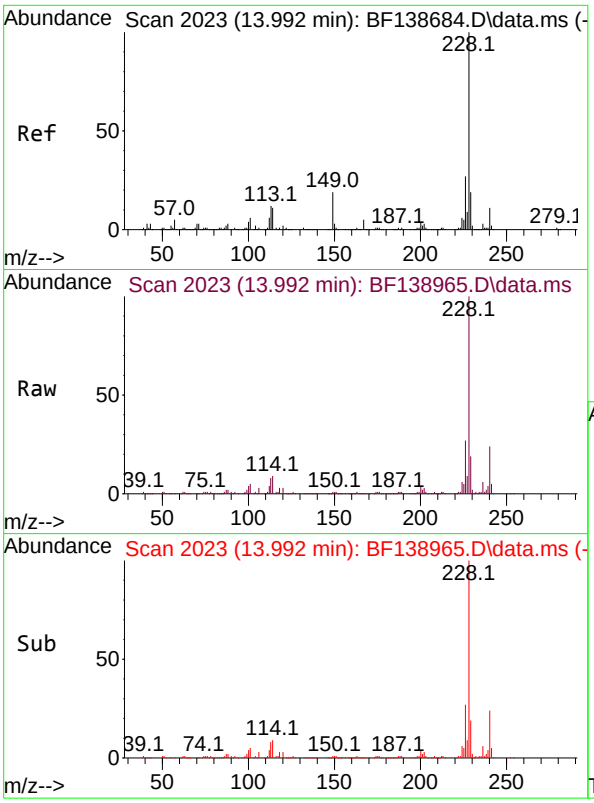


#80
Butylbenzylphthalate
Concen: 46.891 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:149 Resp: 132619

Ion	Ratio	Lower	Upper
149	100		
91	78.6	63.7	95.5
206	20.7	16.2	24.2



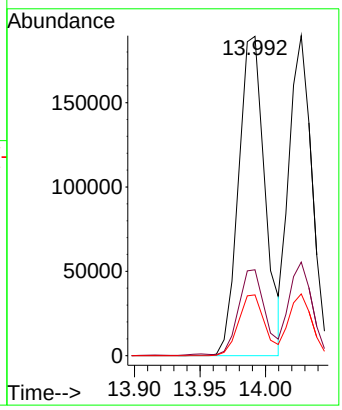


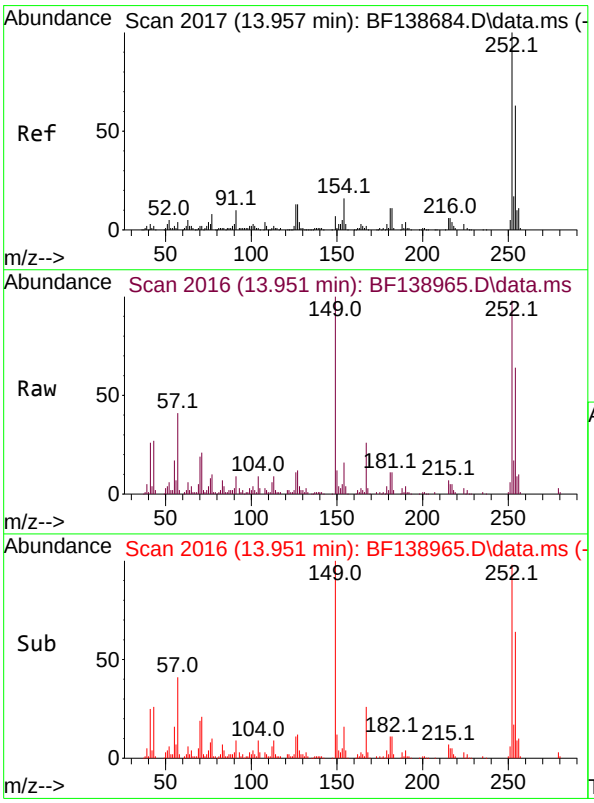
#81
Benzo(a)anthracene
Concen: 41.142 ng
RT: 13.992 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 265759

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.0	15.4	23.0

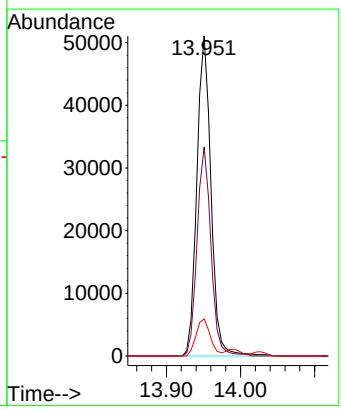


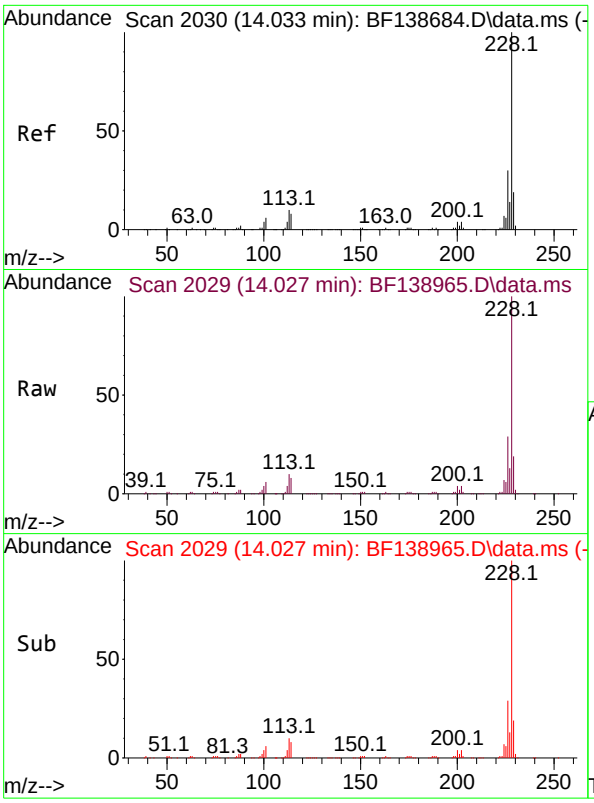


#82
3,3'-Dichlorobenzidine
Concen: 40.835 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:252 Resp: 67501

Ion	Ratio	Lower	Upper
252	100		
254	65.2	50.8	76.2
126	11.6	10.2	15.2



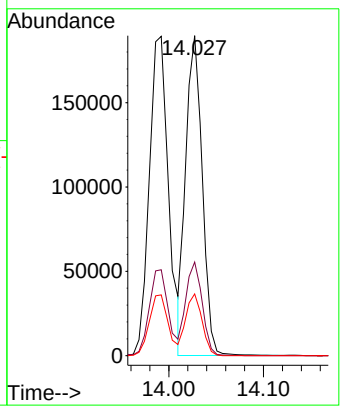


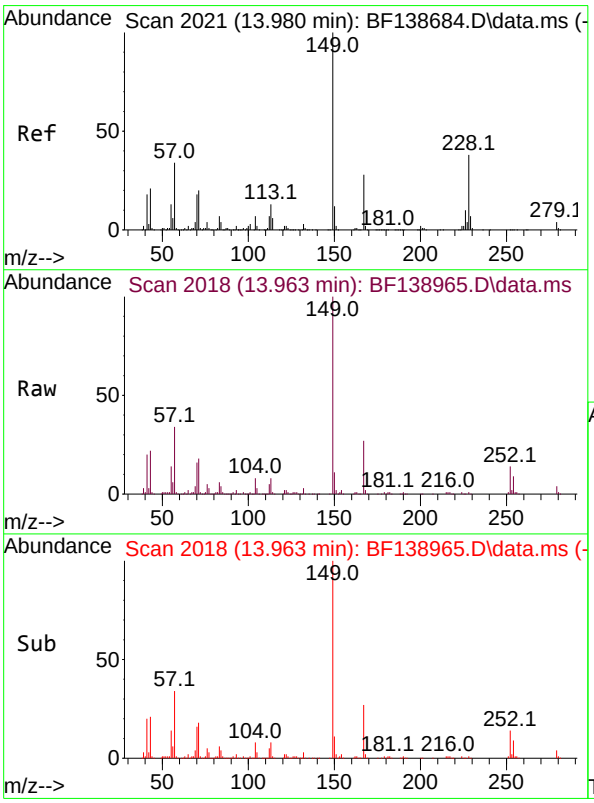
#83
Chrysene
Concen: 39.504 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 230220

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	19.3	15.0	22.6

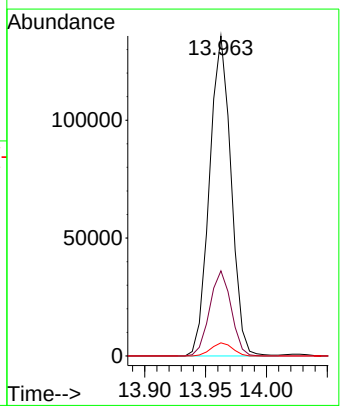


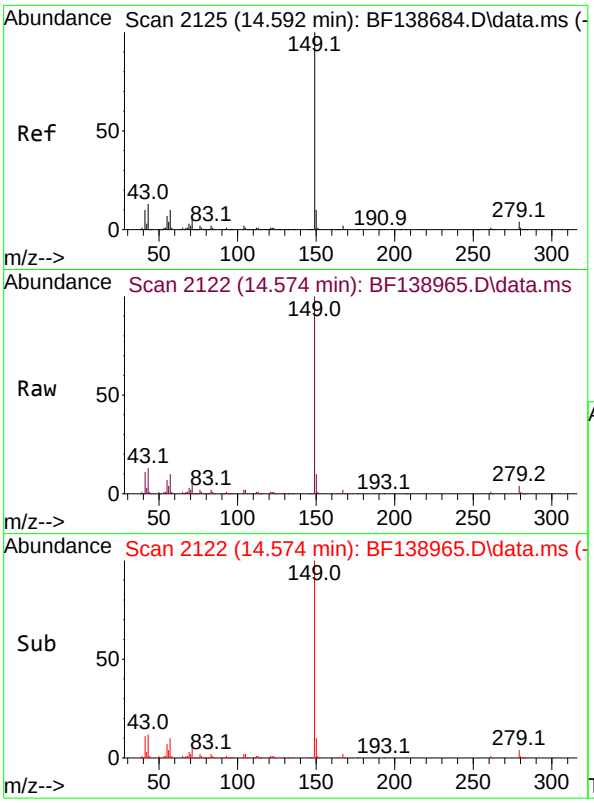


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.442 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:149 Resp: 167488

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.2	33.4
279	4.1	3.4	5.0



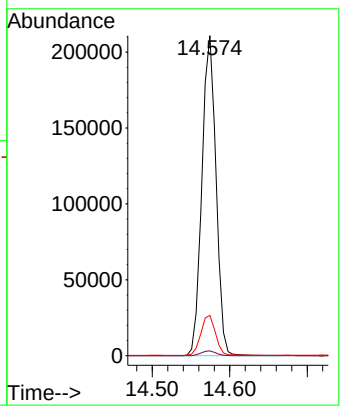


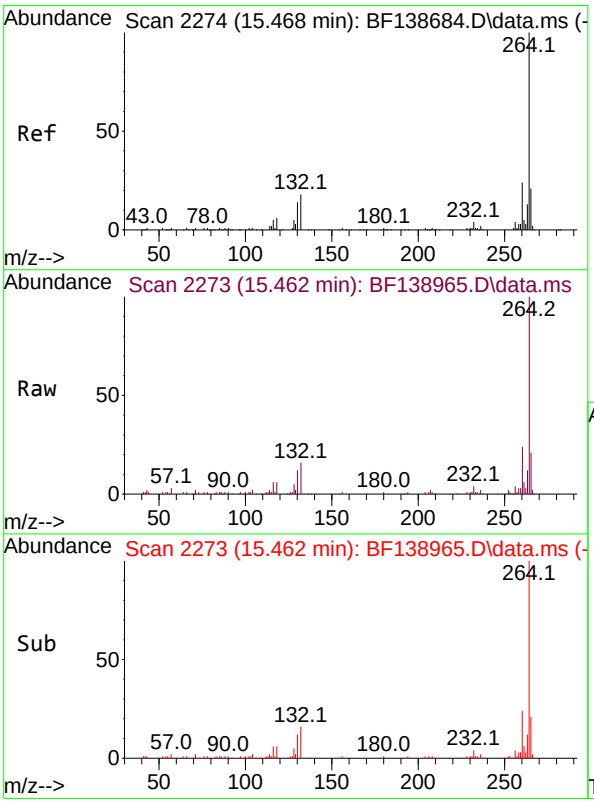
#85
Di-n-octyl phthalate
Concen: 34.775 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 266460

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.0	10.4	15.6

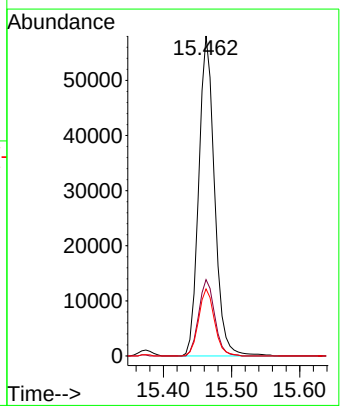


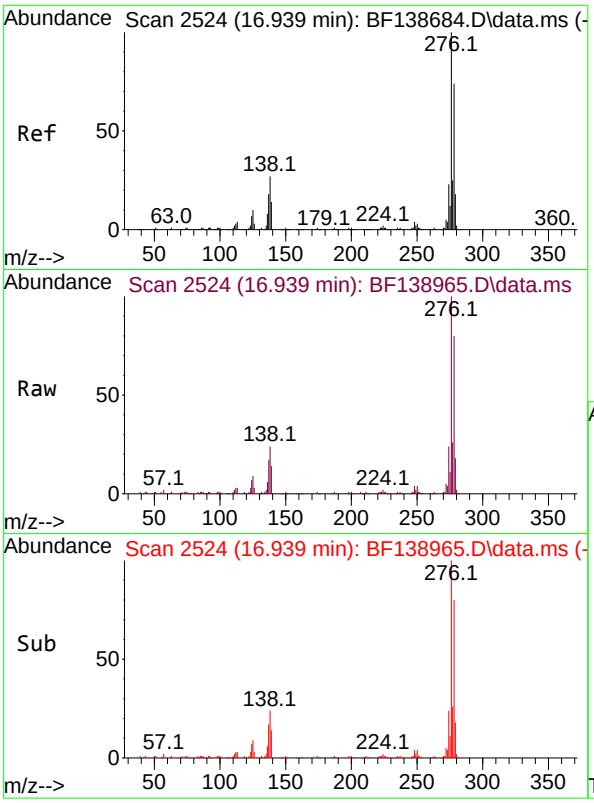


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:264 Resp: 93639

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	21.0	17.0	25.6



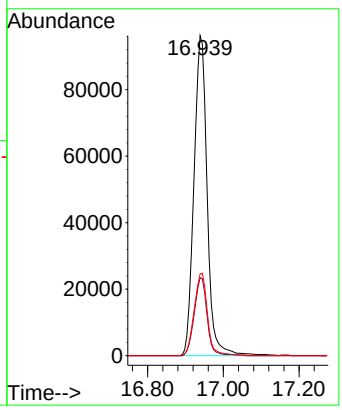


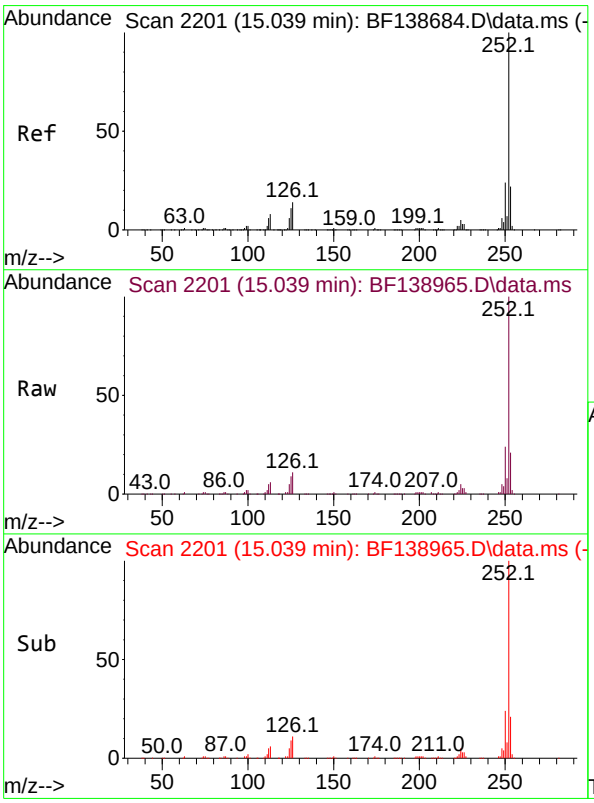
#87
Indeno(1,2,3-cd)pyrene
Concen: 34.933 ng
RT: 16.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 234418

Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.8	32.8
277	25.9	20.6	30.8

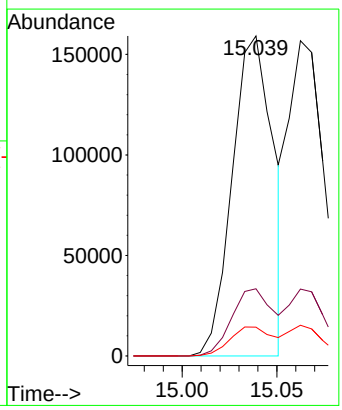


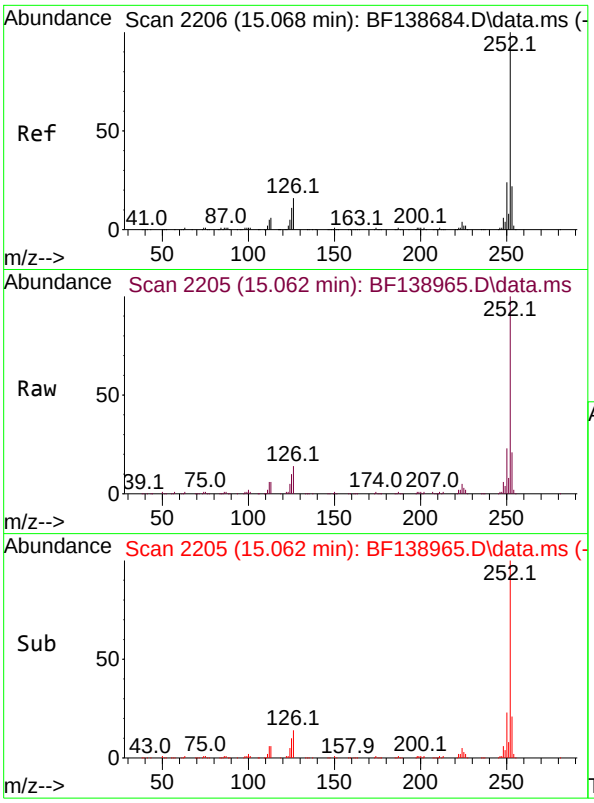


#88
Benzo(b)fluoranthene
Concen: 41.244 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:252 Resp: 239407

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	9.0	8.9	13.3



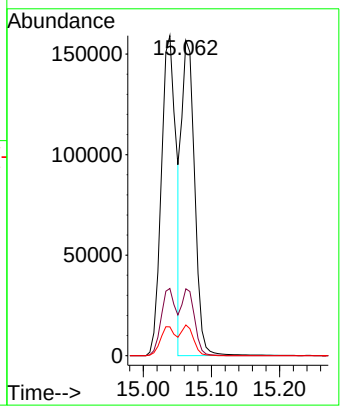


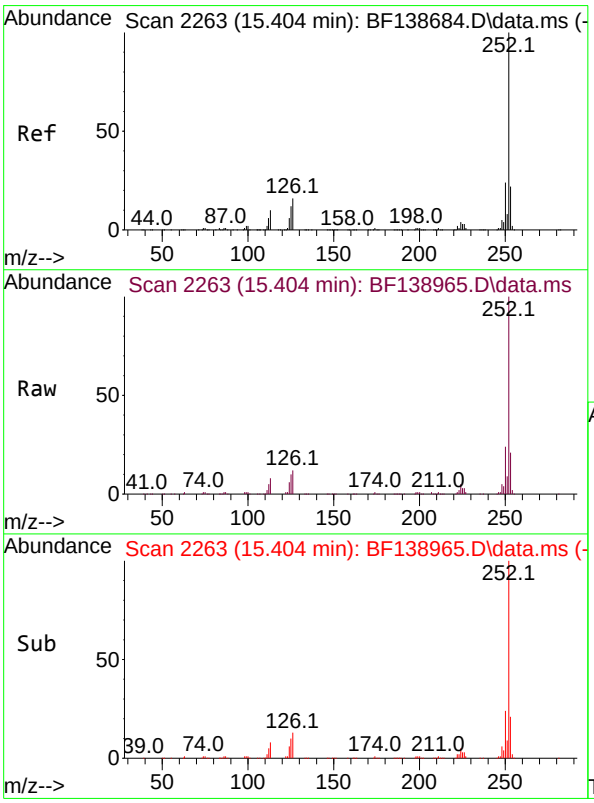
#89
Benzo(k)fluoranthene
Concen: 41.328 ng
RT: 15.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 207707

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	9.8	8.6	13.0

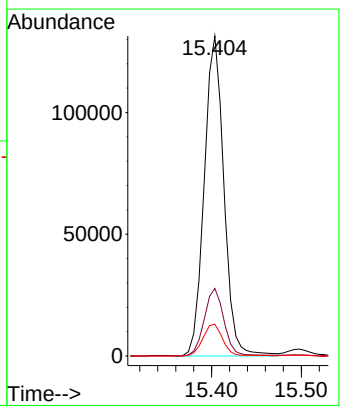


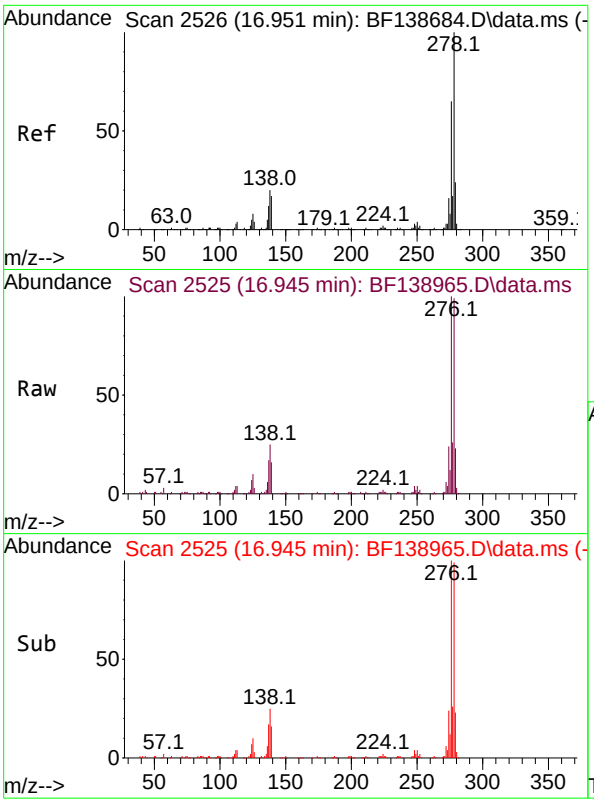


#90
Benzo(a)pyrene
Concen: 40.989 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:252 Resp: 200130

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.3	25.9
125	9.9	9.5	14.3



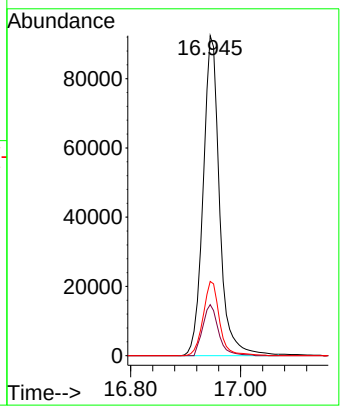


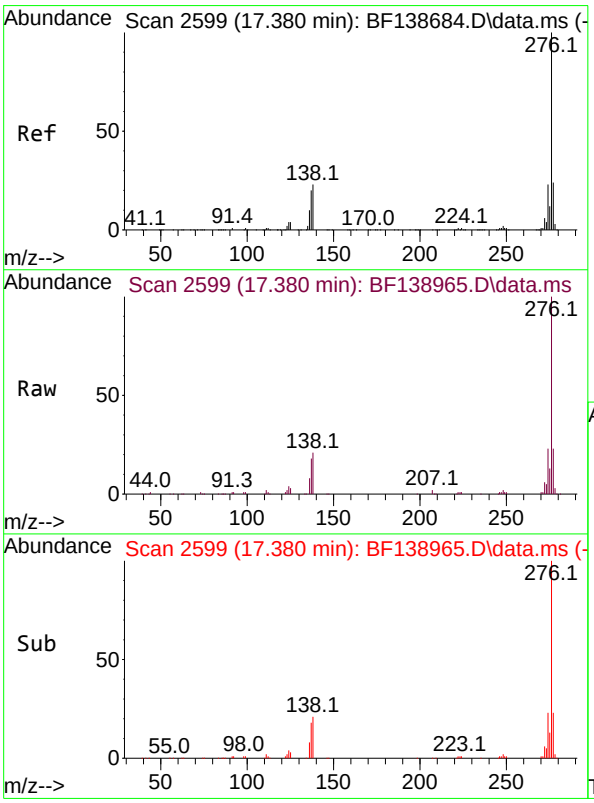
#91
Dibenzo(a,h)anthracene
Concen: 34.819 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 191802

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.0	21.0
279	23.2	19.0	28.4

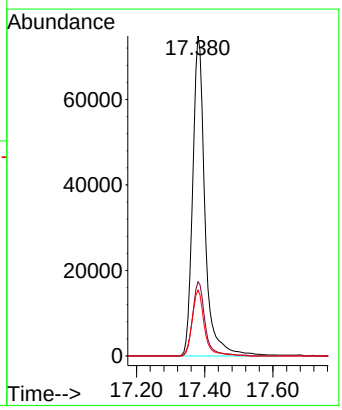




#92
Benzo(g,h,i)perylene
Concen: 32.753 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF138965.D
Acq: 13 Aug 2024 10:08

Tgt Ion:276 Resp: 187222

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	20.6	18.5	27.7



Sample Results: **BF138965.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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	65	0.00
2		1,4-Dioxane	0.567	0.508	10.4	57	0.01
3		Pyridine	1.374	1.226	10.8	57	0.01
4		n-Nitrosodimethylamine	0.818	0.909	-11.1	72	0.03
5	S	2-Fluorophenol	1.296	1.286	0.8	65	0.00
6		Aniline	1.551	1.459	5.9	62	0.00
7	S	Phenol-d6	1.740	1.732	0.5	67	0.00
8		2-Chlorophenol	1.363	1.355	0.6	66	0.00
9		Benzaldehyde	1.043	0.961	7.9	69	0.00
10	C	Phenol	1.832	1.793	2.1	65	0.00
11		bis(2-Chloroethyl)ether	1.409	1.348	4.3	64	0.00
12		1,3-Dichlorobenzene	1.526	1.517	0.6	67	0.00
13	C	1,4-Dichlorobenzene	1.540	1.536	0.3	67	0.00
14		1,2-Dichlorobenzene	1.439	1.484	-3.1	68	0.00
15		Benzyl Alcohol	1.254	1.346	-7.3	72	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.243	7.5	62	0.00
17		2-Methylphenol	1.126	1.117	0.8	66	0.00
18		Hexachloroethane	0.580	0.586	-1.0	67	-0.01
19	P	n-Nitroso-di-n-propylamine	1.051	1.098	-4.5	72	0.00
20		3+4-Methylphenols	1.444	1.528	-5.8	72	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	67	0.00
22		Acetophenone	0.490	0.517	-5.5	72	0.00
23	S	Nitrobenzene-d5	0.409	0.434	-6.1	72	0.00
24		Nitrobenzene	0.416	0.426	-2.4	69	0.00
25		Isophorone	0.699	0.716	-2.4	71	0.00
26	C	2-Nitrophenol	0.179	0.183	-2.2	67	0.00
27		2,4-Dimethylphenol	0.214	0.216	-0.9	68	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.414	2.6	67	0.00
29	C	2,4-Dichlorophenol	0.275	0.284	-3.3	69	0.00
30		1,2,4-Trichlorobenzene	0.318	0.327	-2.8	70	0.00
31		Naphthalene	1.053	1.061	-0.8	69	0.00
32		Benzoic acid	0.168	0.110	34.5#	45#	0.03
33		4-Chloroaniline	0.353	0.338	4.2	66	0.00
34	C	Hexachlorobutadiene	0.192	0.212	-10.4	75	-0.01
35		Caprolactam	0.082	0.088	-7.3	76	0.01
36	C	4-Chloro-3-methylphenol	0.315	0.334	-6.0	73	0.00
37		2-Methylnaphthalene	0.665	0.696	-4.7	72	0.00
38		1-Methylnaphthalene	0.652	0.681	-4.4	72	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	74	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.555	0.2	74	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.104	13.3	60	0.00
42	S	2,4,6-Tribromophenol	0.164	0.172	-4.9	80	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.325	4.1	71	0.00
44		2,4,5-Trichlorophenol	0.370	0.356	3.8	71	0.00
45	S	2-Fluorobiphenyl	1.331	1.373	-3.2	78	0.00
46		1,1'-Biphenyl	1.566	1.563	0.2	75	0.00
47		2-Chloronaphthalene	1.165	1.156	0.8	74	0.00

Sample Results: **BF138965.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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	0.420	-6.3	80	0.00
49		Acenaphthylene	1.652	1.646	0.4	74	0.00
50		Dimethylphthalate	1.279	1.342	-4.9	81	0.00
51		2,6-Dinitrotoluene	0.289	0.310	-7.3	79	0.00
52	C	Acenaphthene	1.111	1.098	1.2	75	0.00
53		3-Nitroaniline	0.298	0.296	0.7	76	0.00
54	P	2,4-Dinitrophenol	0.133	0.124	6.8	72	0.00
55		Dibenzofuran	1.568	1.612	-2.8	79	0.00
56	P	4-Nitrophenol	0.179	0.190	-6.1	80	0.02
57		2,4-Dinitrotoluene	0.368	0.412	-12.0	84	0.00
58		Fluorene	1.249	1.345	-7.7	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.294	-3.9	79	0.00
60		Diethylphthalate	1.213	1.379	-13.7	88	0.00
61		4-Chlorophenyl-phenylether	0.614	0.667	-8.6	84	-0.01
62		4-Nitroaniline	0.284	0.292	-2.8	79	0.00
63		Azobenzene	1.345	1.413	-5.1	80	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65		4,6-Dinitro-2-methylphenol	0.122	0.117	4.1	80	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.611	2.2	82	0.00
67		4-Bromophenyl-phenylether	0.217	0.210	3.2	83	0.00
68		Hexachlorobenzene	0.224	0.221	1.3	85	0.00
69		Atrazine	0.161	0.167	-3.7	87	0.00
70	C	Pentachlorophenol	0.101	0.089	11.9	74	0.00
71		Phenanthrene	1.030	1.031	-0.1	86	0.00
72		Anthracene	1.015	1.015	0.0	86	0.00
73		Carbazole	0.875	0.874	0.1	86	0.00
74		Di-n-butylphthalate	0.984	1.158	-17.7	99	0.00
75	C	Fluoranthene	0.961	0.985	-2.5	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77		Benzidine	0.478	0.348	27.2#	48#	0.00
78		Pyrene	1.883	1.987	-5.5	85	0.00
79	S	Terphenyl-d14	1.195	1.343	-12.4	91	0.00
80		Butylbenzylphthalate	0.603	0.707	-17.2	84	-0.01
81		Benzo(a)anthracene	1.377	1.417	-2.9	76	0.00
82		3,3'-Dichlorobenzidine	0.352	0.360	-2.3	75	0.00
83		Chrysene	1.243	1.227	1.3	75	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.893	-1.1	70	-0.02
85	c	Di-n-octyl phthalate	1.634	1.420	13.1	61	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	62	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.252	12.6	55	0.00
88		Benzo(b)fluoranthene	1.240	1.278	-3.1	64	0.00
89		Benzo(k)fluoranthene	1.073	1.109	-3.4	68	0.00
90	C	Benzo(a)pyrene	1.043	1.069	-2.5	65	0.00
91		Dibenzo(a,h)anthracene	1.177	1.024	13.0	56	0.00
92		Benzo(g,h,i)perylene	1.221	1.000	18.1	52	0.00

Sample Results: **BF138965.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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: **BF138965.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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	65	0.00
2		1,4-Dioxane	40.000	35.810	10.5	57	0.01
3		Pyridine	40.000	35.677	10.8	57	0.01
4		n-Nitrosodimethylamine	40.000	44.426	-11.1	72	0.03
5	S	2-Fluorophenol	80.000	79.416	0.7	65	0.00
6		Aniline	40.000	37.616	6.0	62	0.00
7	S	Phenol-d6	80.000	79.661	0.4	67	0.00
8		2-Chlorophenol	40.000	39.771	0.6	66	0.00
9		Benzaldehyde	40.000	36.851	7.9	69	0.00
10	C	Phenol	40.000	39.162	2.1	65	0.00
11		bis(2-Chloroethyl)ether	40.000	38.259	4.4	64	0.00
12		1,3-Dichlorobenzene	40.000	39.765	0.6	67	0.00
13	C	1,4-Dichlorobenzene	40.000	39.907	0.2	67	0.00
14		1,2-Dichlorobenzene	40.000	41.246	-3.1	68	0.00
15		Benzyl Alcohol	40.000	42.950	-7.4	72	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.988	7.5	62	0.00
17		2-Methylphenol	40.000	39.689	0.8	66	0.00
18		Hexachloroethane	40.000	40.463	-1.2	67	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	41.806	-4.5	72	0.00
20		3+4-Methylphenols	40.000	42.329	-5.8	72	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	67	0.00
22		Acetophenone	40.000	42.213	-5.5	72	0.00
23	S	Nitrobenzene-d5	80.000	84.832	-6.0	72	0.00
24		Nitrobenzene	40.000	40.938	-2.3	69	0.00
25		Isophorone	40.000	41.000	-2.5	71	0.00
26	C	2-Nitrophenol	40.000	40.880	-2.2	67	0.00
27		2,4-Dimethylphenol	40.000	40.235	-0.6	68	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.936	2.7	67	0.00
29	C	2,4-Dichlorophenol	40.000	41.207	-3.0	69	0.00
30		1,2,4-Trichlorobenzene	40.000	41.137	-2.8	70	0.00
31		Naphthalene	40.000	40.320	-0.8	69	0.00
32		Benzoic acid	40.000	26.136	34.7#	45	0.03
33		4-Chloroaniline	40.000	38.214	4.5	66	0.00
34	C	Hexachlorobutadiene	40.000	44.145	-10.4	75	-0.01
35		Caprolactam	40.000	42.733	-6.8	76	0.01
36	C	4-Chloro-3-methylphenol	40.000	42.452	-6.1	73	0.00
37		2-Methylnaphthalene	40.000	41.855	-4.6	72	0.00
38		1-Methylnaphthalene	40.000	41.783	-4.5	72	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	74	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.926	0.2	74	0.00
41	P	Hexachlorocyclopentadiene	40.000	32.772	18.1	60	0.00
42	S	2,4,6-Tribromophenol	80.000	83.870	-4.8	80	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.351	4.1	71	0.00
44		2,4,5-Trichlorophenol	40.000	38.487	3.8	71	0.00
45	S	2-Fluorobiphenyl	80.000	82.543	-3.2	78	0.00
46		1,1'-Biphenyl	40.000	39.901	0.2	75	0.00
47		2-Chloronaphthalene	40.000	39.700	0.7	74	0.00

Sample Results: **BF138965.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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	42.585	-6.5	80	0.00
49		Acenaphthylene	40.000	39.838	0.4	74	0.00
50		Dimethylphthalate	40.000	41.967	-4.9	81	0.00
51		2,6-Dinitrotoluene	40.000	42.959	-7.4	79	0.00
52	C	Acenaphthene	40.000	39.557	1.1	75	0.00
53		3-Nitroaniline	40.000	39.724	0.7	76	0.00
54	P	2,4-Dinitrophenol	40.000	37.319	6.7	72	0.00
55		Dibenzofuran	40.000	41.116	-2.8	79	0.00
56	P	4-Nitrophenol	40.000	42.323	-5.8	80	0.02
57		2,4-Dinitrotoluene	40.000	44.712	-11.8	84	0.00
58		Fluorene	40.000	43.082	-7.7	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.523	-3.8	79	0.00
60		Diethylphthalate	40.000	45.507	-13.8	88	0.00
61		4-Chlorophenyl-phenylether	40.000	43.462	-8.7	84	-0.01
62		4-Nitroaniline	40.000	41.221	-3.1	79	0.00
63		Azobenzene	40.000	42.022	-5.1	80	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.336	4.2	80	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.074	2.3	82	0.00
67		4-Bromophenyl-phenylether	40.000	38.868	2.8	83	0.00
68		Hexachlorobenzene	40.000	39.467	1.3	85	0.00
69		Atrazine	40.000	41.401	-3.5	87	0.00
70	C	Pentachlorophenol	40.000	35.149	12.1	74	0.00
71		Phenanthrene	40.000	40.052	-0.1	86	0.00
72		Anthracene	40.000	40.037	-0.1	86	0.00
73		Carbazole	40.000	39.944	0.1	86	0.00
74		Di-n-butylphthalate	40.000	47.073	-17.7	99	0.00
75	C	Fluoranthene	40.000	40.988	-2.5	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	74	0.00
77		Benzidine	40.000	29.106	27.2#	48	0.00
78		Pyrene	40.000	42.200	-5.5	85	0.00
79	S	Terphenyl-d14	80.000	89.966	-12.5	91	0.00
80		Butylbenzylphthalate	40.000	46.891	-17.2	84	-0.01
81		Benzo(a)anthracene	40.000	41.142	-2.9	76	0.00
82		3,3'-Dichlorobenzidine	40.000	40.835	-2.1	75	0.00
83		Chrysene	40.000	39.504	1.2	75	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.442	-1.1	70	-0.02
85	c	Di-n-octyl phthalate	40.000	34.775	13.1	61	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	62	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	34.933	12.7	55	0.00
88		Benzo(b)fluoranthene	40.000	41.244	-3.1	64	0.00
89		Benzo(k)fluoranthene	40.000	41.328	-3.3	68	0.00
90	C	Benzo(a)pyrene	40.000	40.989	-2.5	65	0.00
91		Dibenzo(a,h)anthracene	40.000	34.819	13.0	56	0.00
92		Benzo(g,h,i)perylene	40.000	32.753	18.1	52	0.00

Sample Results: **BF138965.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138965.D
Acq On : 13 Aug 2024 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 13 11:45:55 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.: P3475 SAS No.: P3475 SDG No.: P3475

Instrument ID: BNA_F Calibration Date/Time: 08/14/2024 12:03

Lab File ID: BF138988.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	1.279		-1.3	
Phenol-d6	1.740	1.703		-2.1	
Nitrobenzene-d5	0.409	0.430		5.1	
2-Fluorobiphenyl	1.331	1.376		3.4	
2,4,6-Tribromophenol	0.164	0.163		-0.6	
Terphenyl-d14	1.195	1.229		2.8	
Benzo(a)anthracene	1.377	1.316		-4.4	
Benzo(a)pyrene	1.043	1.067		2.3	20.0
Dibenzo(a,h)anthracene	1.177	1.083		-8.0	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF138988.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 12:36:19 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 :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.839	152	46569	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	180395	20.000	ng		0.00
39) Acenaphthene-d10	9.869	164	100753	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	170882	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	83079	20.000	ng		0.00
86) Perylene-d12	15.462	264	87305	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	238261	78.978	ng		0.00
7) Phenol-d6	6.487	99	317188	78.311	ng		0.00
23) Nitrobenzene-d5	7.410	82	310197	84.071	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	65588	79.472	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	554400	82.676	ng		-0.01
79) Terphenyl-d14	12.939	244	408271	82.278	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	47110	35.669	ng	#	93
3) Pyridine	3.334	79	118879	37.156	ng		93
4) n-Nitrosodimethylamine	3.304	42	86150	45.210	ng	#	80
6) Aniline	6.504	93	138167	38.250	ng	#	55
8) 2-Chlorophenol	6.628	128	124880	39.344	ng		98
9) Benzaldehyde	6.392	77	79598	32.783	ng		100
10) Phenol	6.498	94	164246	38.514	ng		79
11) bis(2-Chloroethyl)ether	6.575	93	118703	36.171	ng		100
12) 1,3-Dichlorobenzene	6.775	146	137294	38.642	ng		97
13) 1,4-Dichlorobenzene	6.857	146	141561	39.481	ng		98
14) 1,2-Dichlorobenzene	7.010	146	131427	39.221	ng		99
15) Benzyl Alcohol	6.987	79	120359	41.229	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.110	45	198801	35.200	ng		52
17) 2-Methylphenol	7.104	107	100716	38.428	ng	#	90
18) Hexachloroethane	7.345	117	53609	39.720	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	97551	39.876	ng		96
20) 3+4-Methylphenols	7.257	107	135810	40.386	ng		92
22) Acetophenone	7.251	105	189628	42.932	ng		99
24) Nitrobenzene	7.428	77	156466	41.674	ng		98
25) Isophorone	7.663	82	253087	40.170	ng		99
26) 2-Nitrophenol	7.739	139	64715	40.063	ng		94
27) 2,4-Dimethylphenol	7.781	122	77034	39.859	ng		96
28) bis(2-Chloroethoxy)met...	7.869	93	145855	38.016	ng		98
29) 2,4-Dichlorophenol	7.986	162	100855	40.610	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	115653	40.354	ng		99
31) Naphthalene	8.139	128	381268	40.153	ng		100
32) Benzoic acid	7.928	122	45176m	29.736	ng		
33) 4-Chloroaniline	8.198	127	122579	38.457	ng		98
34) Hexachlorobutadiene	8.251	225	74090	42.681	ng		98
35) Caprolactam	8.575	113	32178m	43.423	ng		
36) 4-Chloro-3-methylphenol	8.686	107	120444	42.436	ng		99
37) 2-Methylnaphthalene	8.828	142	245717	40.974	ng		100
38) 1-Methylnaphthalene	8.928	142	241962	41.175	ng		99
40) 1,2,4,5-Tetrachloroben...	8.992	216	112930	40.349	ng		98
41) Hexachlorocyclopentadiene	8.975	237	20861	32.674	ng		99
43) 2,4,6-Trichlorophenol	9.116	196	66716	39.096	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 12:36:19 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 :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.163	196	72737	38.990	ng		98
46) 1,1'-Biphenyl	9.292	154	314999	39.920	ng		99
47) 2-Chloronaphthalene	9.322	162	230293	39.241	ng		98
48) 2-Nitroaniline	9.422	65	84279	42.361	ng		92
49) Acenaphthylene	9.733	152	327703	39.371	ng		100
50) Dimethylphthalate	9.592	163	267963	41.594	ng		99
51) 2,6-Dinitrotoluene	9.663	165	60318	41.487	ng	#	85
52) Acenaphthene	9.904	154	221840	39.648	ng		99
53) 3-Nitroaniline	9.839	138	57785	38.446	ng		93
54) 2,4-Dinitrophenol	9.957	184	24129	36.052	ng		86
55) Dibenzofuran	10.075	168	319282	40.425	ng		98
56) 4-Nitrophenol	10.016	139	43088	47.672	ng		88
57) 2,4-Dinitrotoluene	10.075	165	79095	42.640	ng	#	78
58) Fluorene	10.422	166	264679	42.082	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	55371	38.824	ng		96
60) Diethylphthalate	10.292	149	266725	43.665	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	128294	41.474	ng		97
62) 4-Nitroaniline	10.451	138	57048	39.940	ng	#	82
63) Azobenzene	10.569	77	274490	40.516	ng		95
65) 4,6-Dinitro-2-methylph...	10.486	198	38536	36.964	ng		95
66) n-Nitrosodiphenylamine	10.533	169	212563	39.795	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	72344	39.102	ng		97
68) Hexachlorobenzene	10.969	284	75615	39.584	ng		99
69) Atrazine	11.057	200	51899	37.660	ng		99
70) Pentachlorophenol	11.174	266	32173	37.365	ng		99
71) Phenanthrene	11.380	178	352327	40.041	ng		100
72) Anthracene	11.433	178	344553	39.749	ng		100
73) Carbazole	11.592	167	290496	38.844	ng		99
74) Di-n-butylphthalate	11.910	149	366466	43.590	ng		99
75) Fluoranthene	12.569	202	319496	38.894	ng		99
77) Benzidine	12.698	184	70708	35.583	ng		100
78) Pyrene	12.798	202	316221	40.426	ng		100
80) Butylbenzylphthalate	13.410	149	104111	41.563	ng		99
81) Benzo(a)anthracene	13.986	228	218644	38.218	ng		100
82) 3,3'-Dichlorobenzidine	13.951	252	60294	41.184	ng		99
83) Chrysene	14.027	228	211974	41.069	ng		100
84) Bis(2-ethylhexyl)phtha...	13.963	149	134893	36.776	ng		98
85) Di-n-octyl phthalate	14.574	149	223969	33.003	ng		99
87) Indeno(1,2,3-cd)pyrene	16.939	276	230050	36.769	ng		96
88) Benzo(b)fluoranthene	15.033	252	225713	41.706	ng		98
89) Benzo(k)fluoranthene	15.062	252	186532	39.808	ng		99
90) Benzo(a)pyrene	15.404	252	186317	40.928	ng		98
91) Dibenzo(a,h)anthracene	16.945	278	189073	36.814	ng		96
92) Benzo(g,h,i)perylene	17.380	276	190583	35.760	ng		96

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

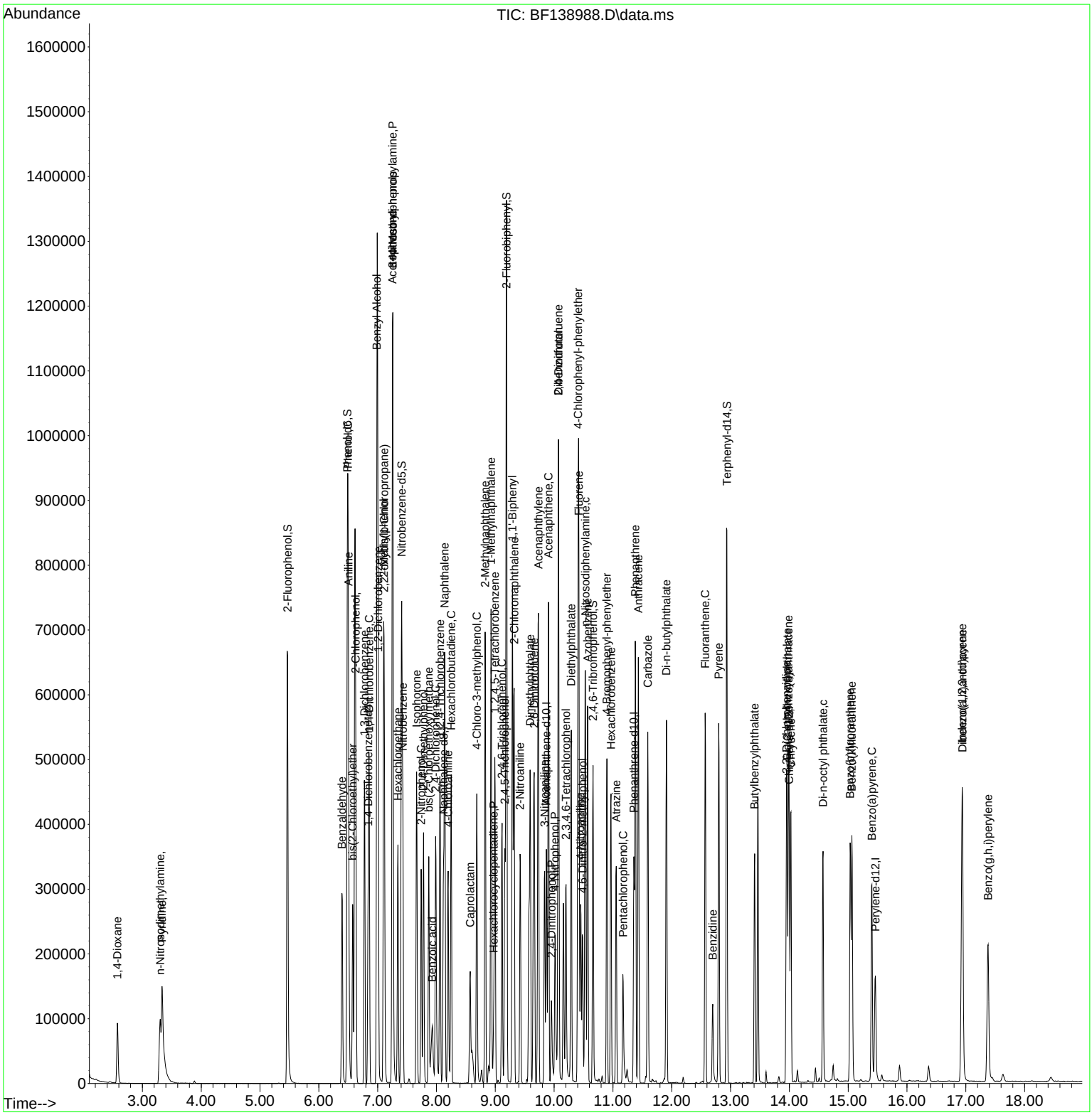
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

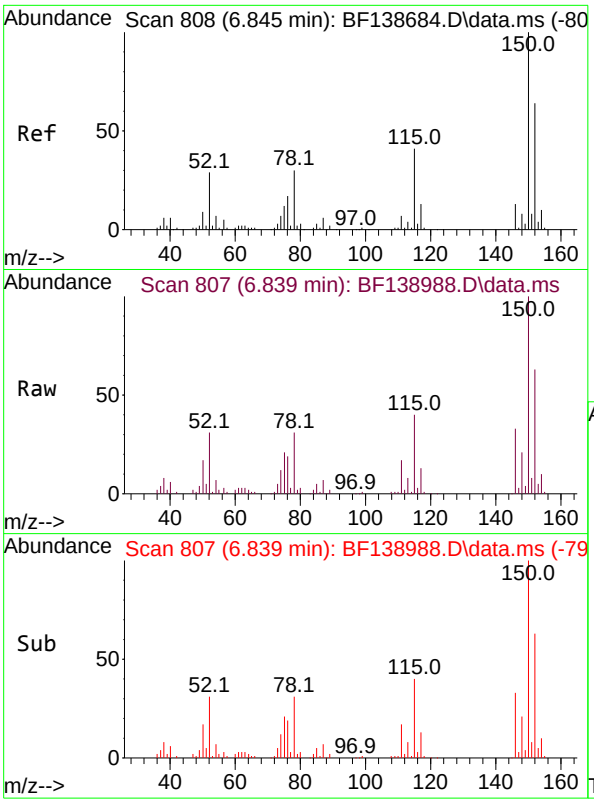
Quant Time: Aug 14 12:36:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

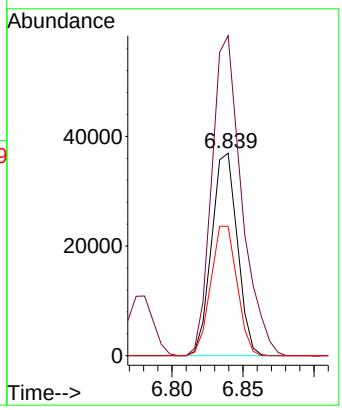




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:152 Resp: 4656

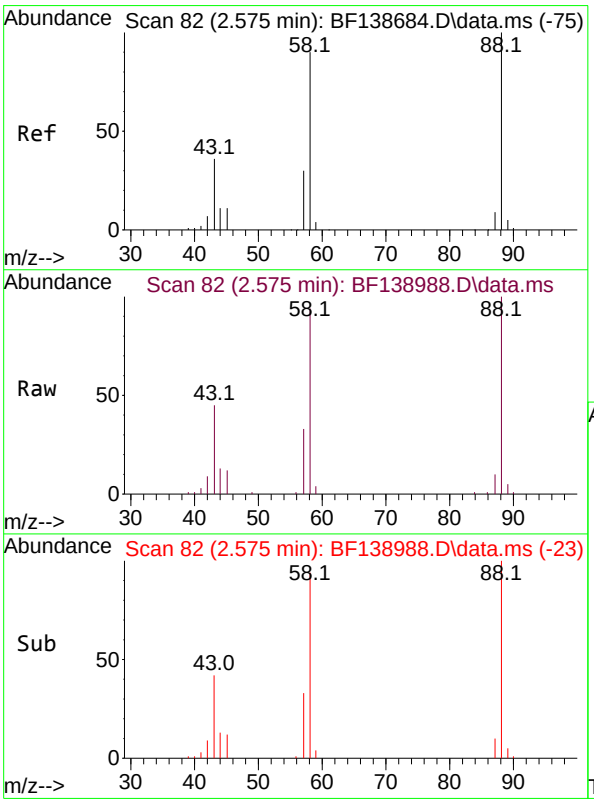
Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.0	189.0
115	63.9	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

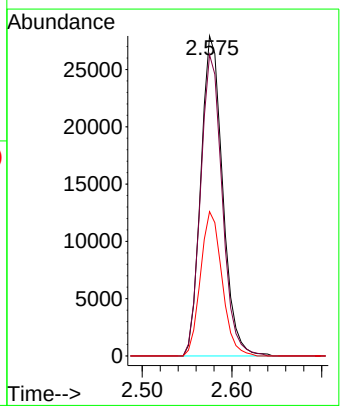
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

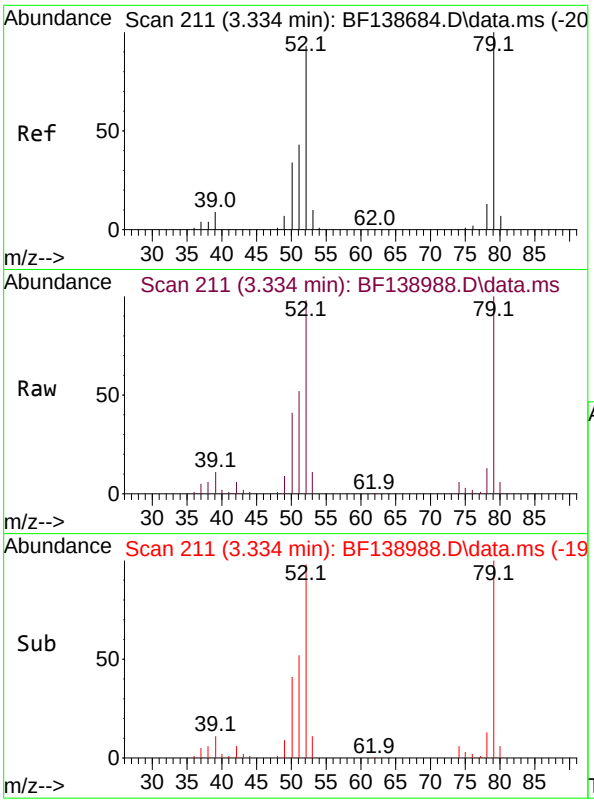


#2
1,4-Dioxane
Concen: 35.669 ng
RT: 2.575 min Scan# 82
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 88 Resp: 47110

Ion	Ratio	Lower	Upper
88	100		
58	93.2	71.6	107.4
43	44.6	28.7	43.1#

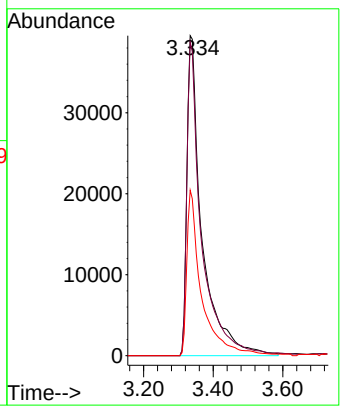




#3
Pyridine
Concen: 37.156 ng
RT: 3.334 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 79 Resp: 11887

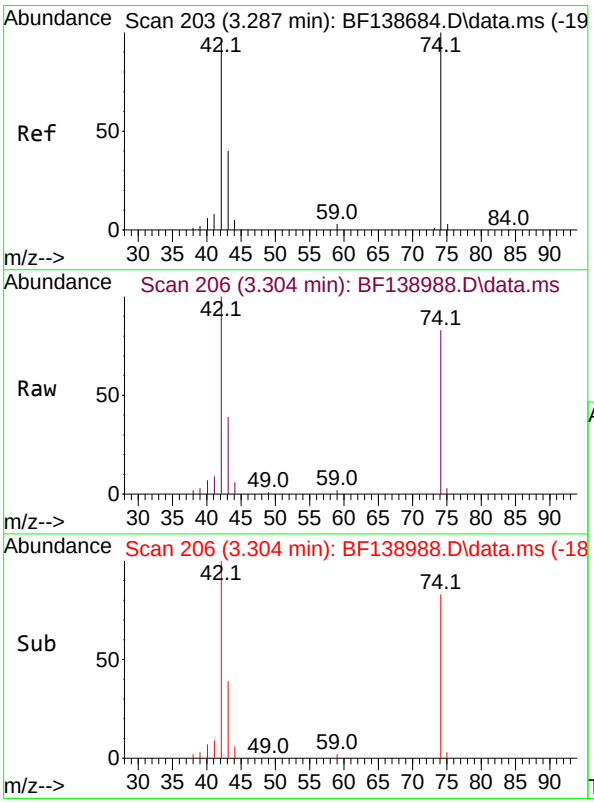
Ion	Ratio	Lower	Upper
79	100		
52	97.9	74.7	112.1
51	51.7	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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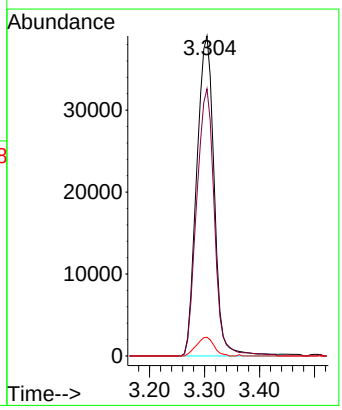
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

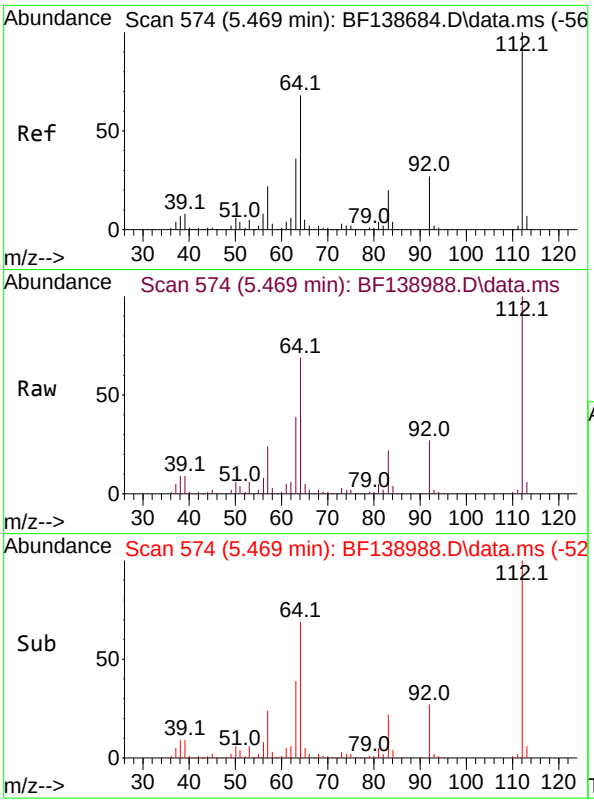


#4
n-Nitrosodimethylamine
Concen: 45.210 ng
RT: 3.304 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 42 Resp: 86150

Ion	Ratio	Lower	Upper
42	100		
74	83.5	84.2	126.4#
44	5.9	4.9	7.3





#5
2-Fluorophenol
Concen: 78.978 ng
RT: 5.469 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

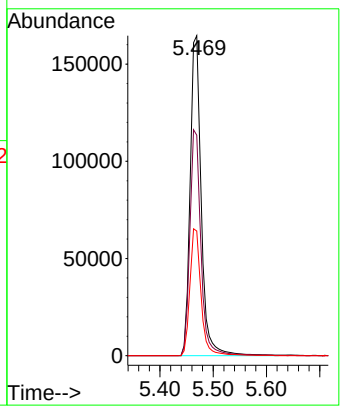
Tgt Ion:112 Resp: 23826

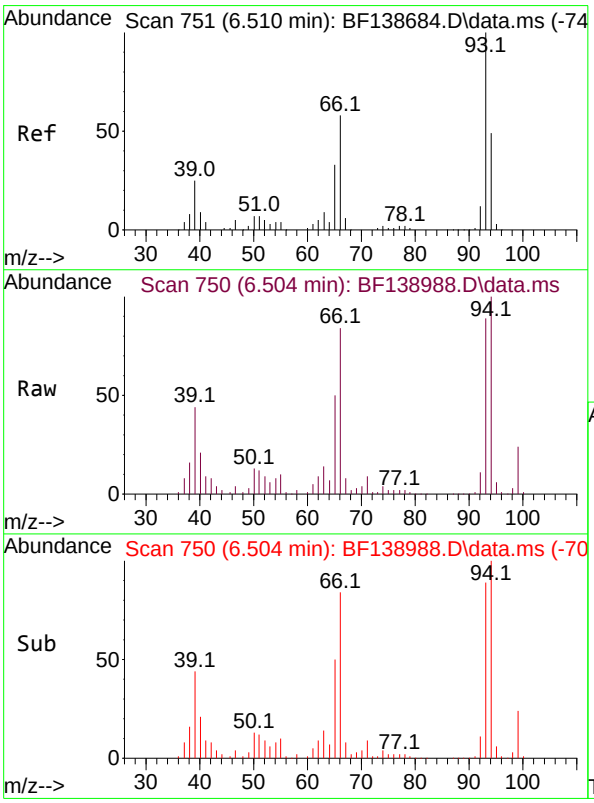
Ion	Ratio	Lower	Upper
112	100		
64	68.9	54.2	81.4
63	38.9	28.7	43.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

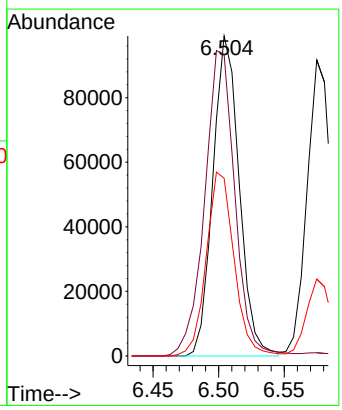


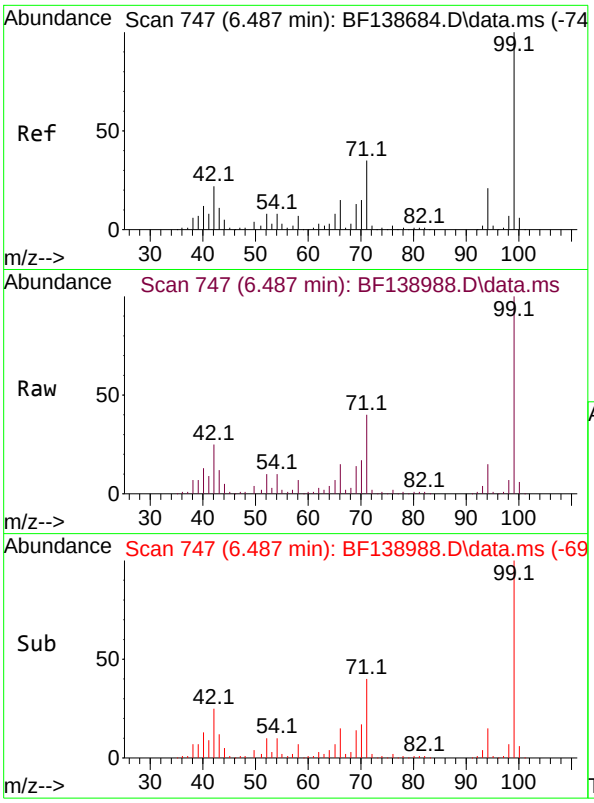


#6
Aniline
Concen: 38.250 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 93 Resp: 138167

Ion	Ratio	Lower	Upper
93	100		
66	94.2	46.9	70.3#
65	55.6	26.5	39.7#

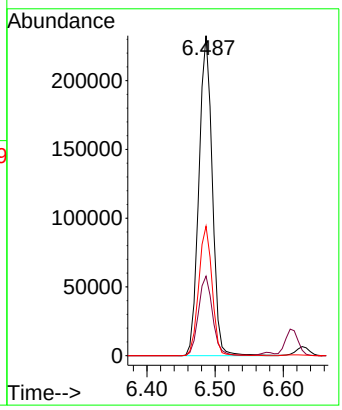




#7
Phenol-d6
Concen: 78.311 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 99 Resp: 31718

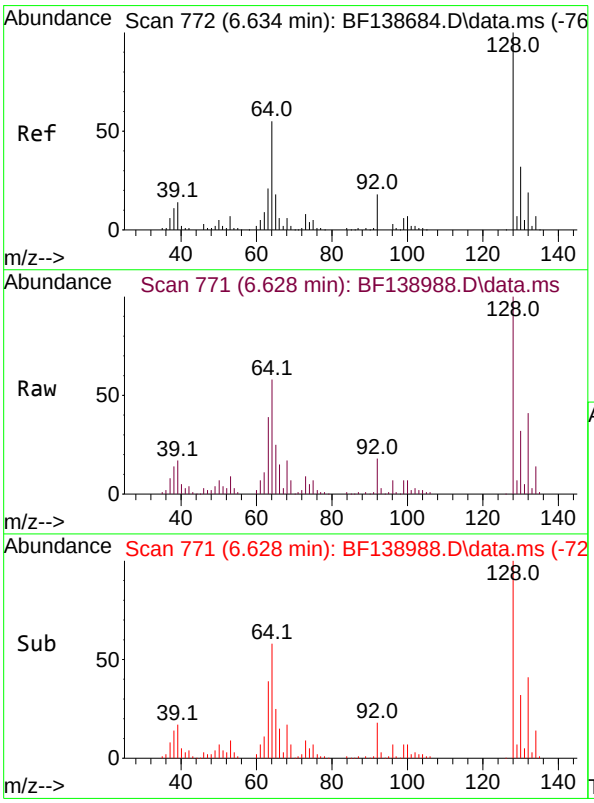
Ion	Ratio	Lower	Upper
99	100		
42	24.8	17.4	26.0
71	40.5	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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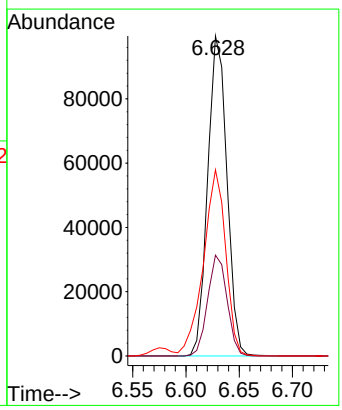
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

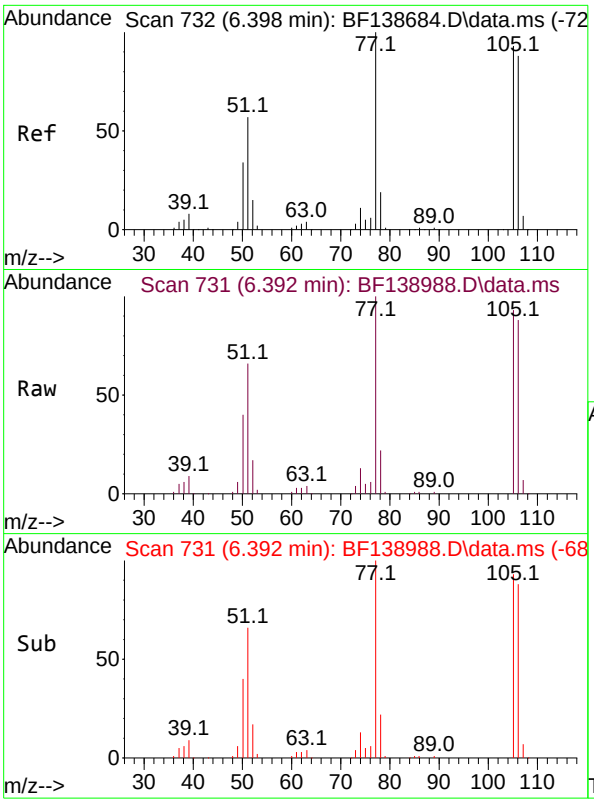


#8
2-Chlorophenol
Concen: 39.344 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:128 Resp: 124880

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.0	52.0
64	58.2	36.3	76.3

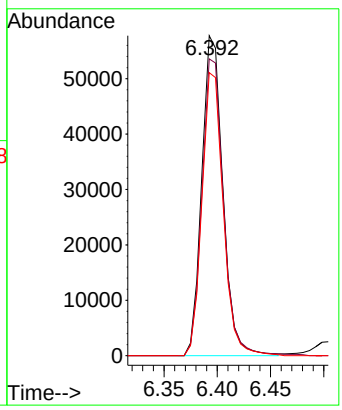




#9
Benzaldehyde
Concen: 32.783 ng
RT: 6.392 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 77 Resp: 7959

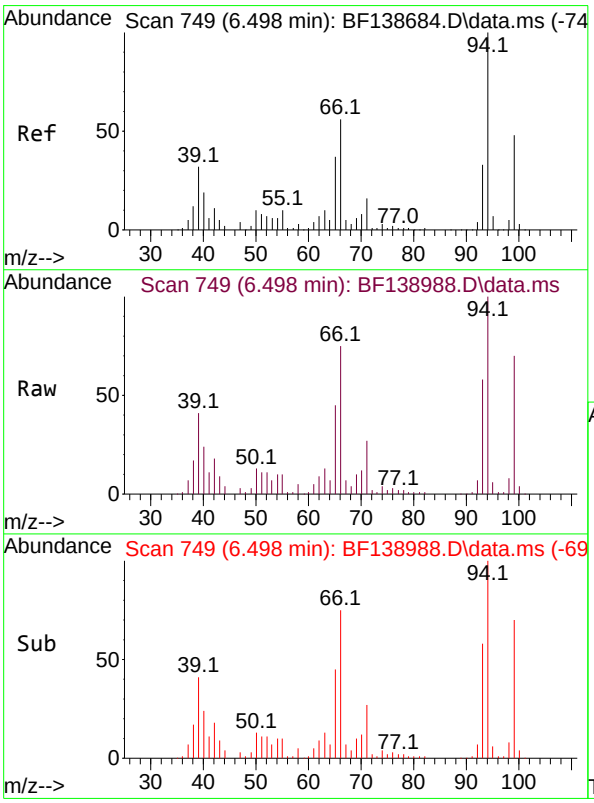
Ion	Ratio	Lower	Upper
77	100		
105	92.7	72.9	112.9
106	88.4	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

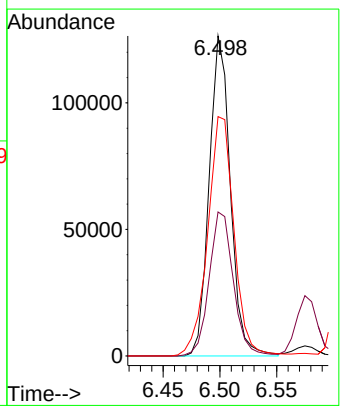
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

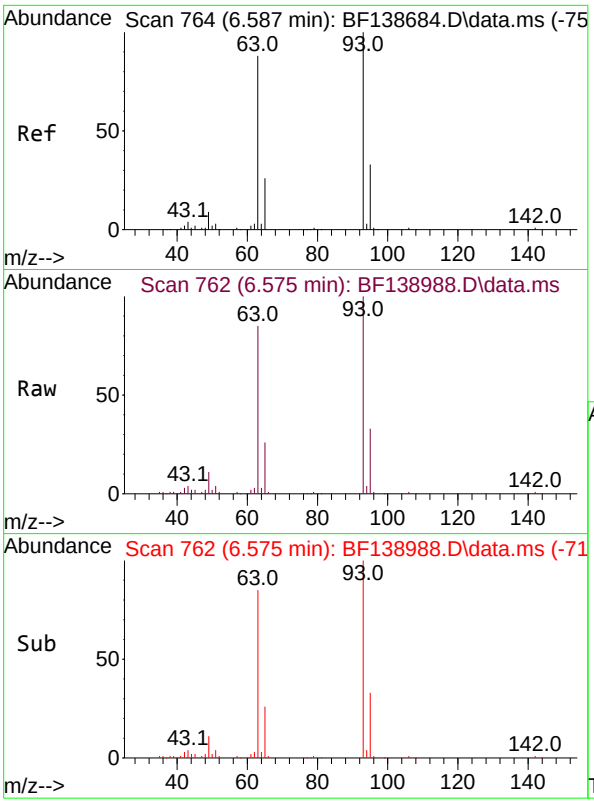


#10
Phenol
Concen: 38.514 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 94 Resp: 164246

Ion	Ratio	Lower	Upper
94	100		
65	45.0	16.9	56.9
66	74.8	36.5	76.5

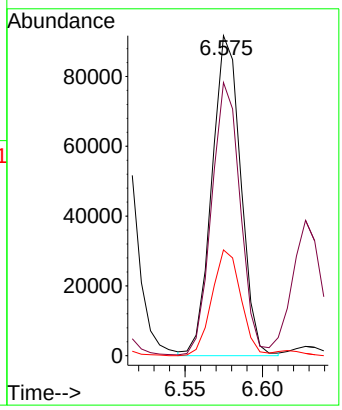




#11
bis(2-Chloroethyl)ether
Concen: 36.171 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 93 Resp: 11870

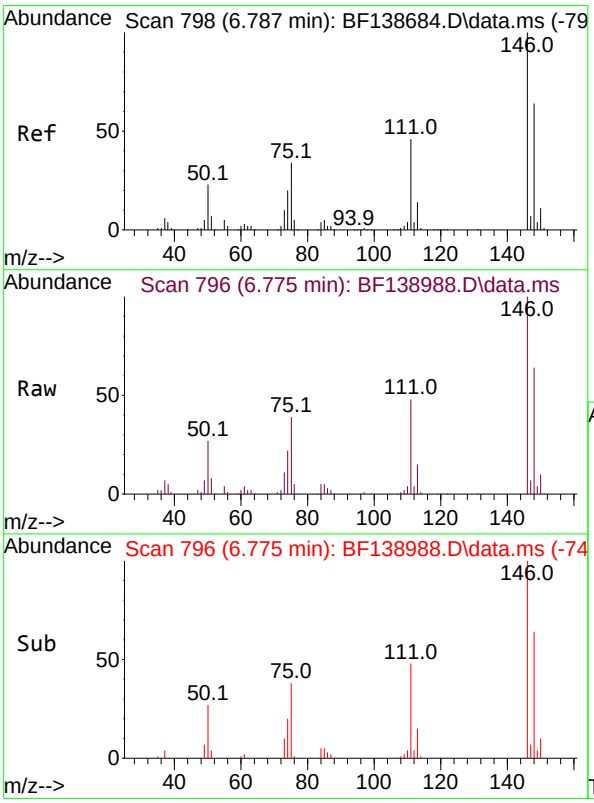
Ion	Ratio	Lower	Upper
93	100		
63	85.4	65.3	105.3
95	33.0	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

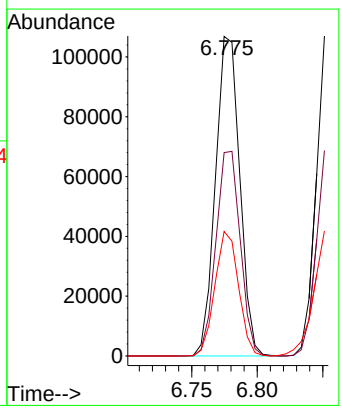
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

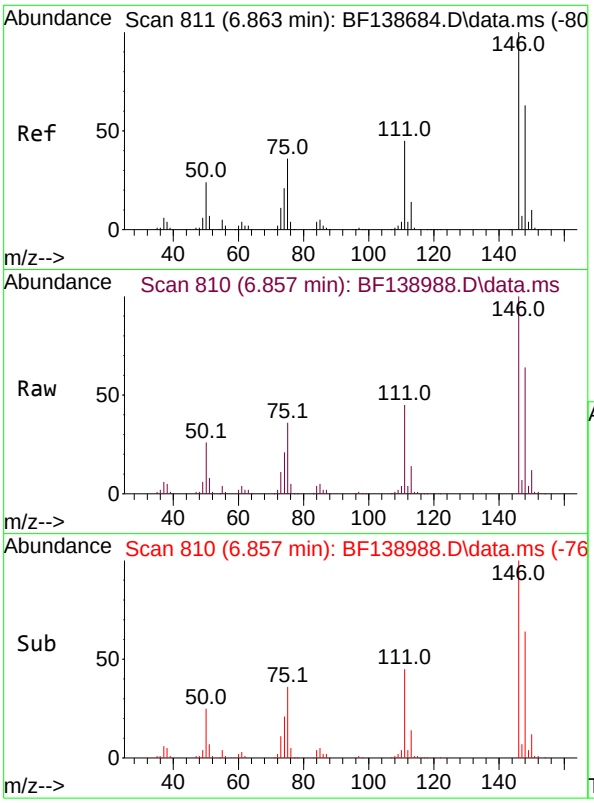


#12
1,3-Dichlorobenzene
Concen: 38.642 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:146 Resp: 137294

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
75	39.0	27.4	41.2

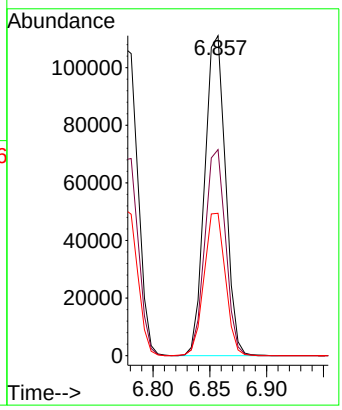




#13
1,4-Dichlorobenzene
Concen: 39.481 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:146 Resp: 14156

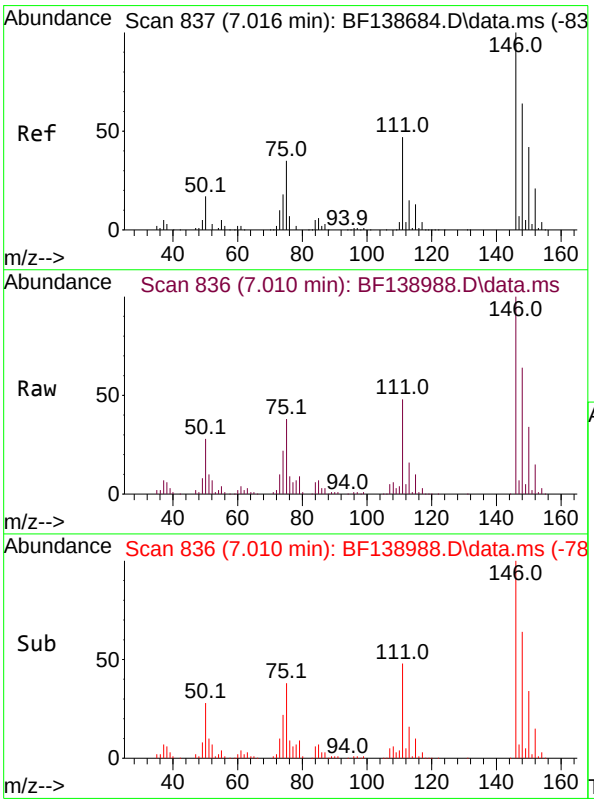
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.2	75.2
111	44.5	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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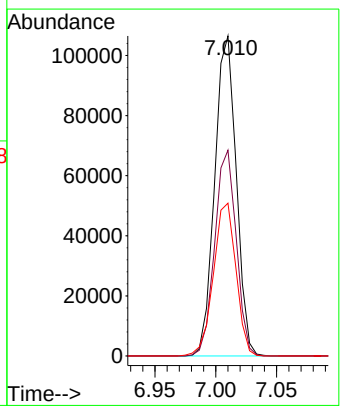
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

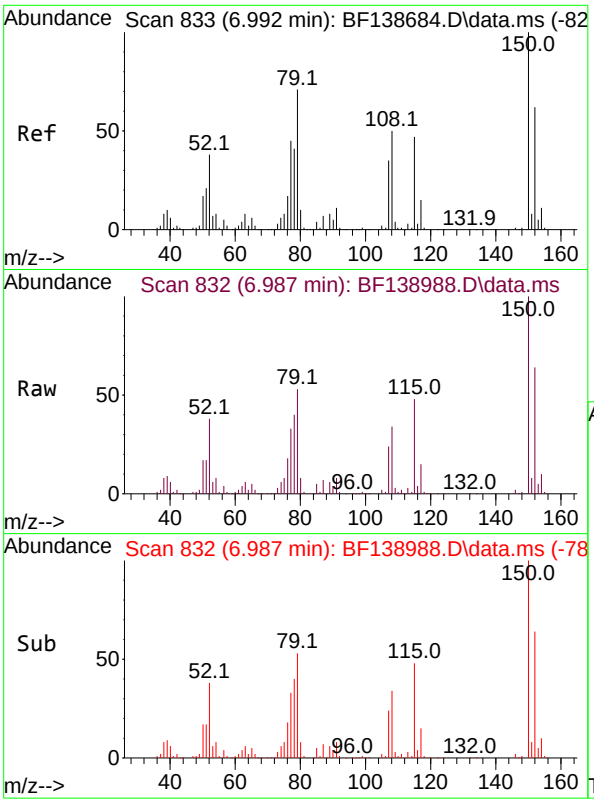


#14
1,2-Dichlorobenzene
Concen: 39.221 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:146 Resp: 131427

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.8	76.2
111	47.8	37.4	56.2





#15
Benzyl Alcohol
Concen: 41.229 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

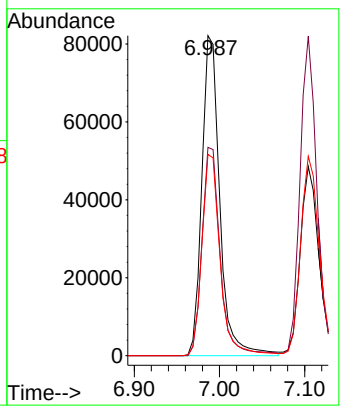
Tgt Ion: 79 Resp: 12035

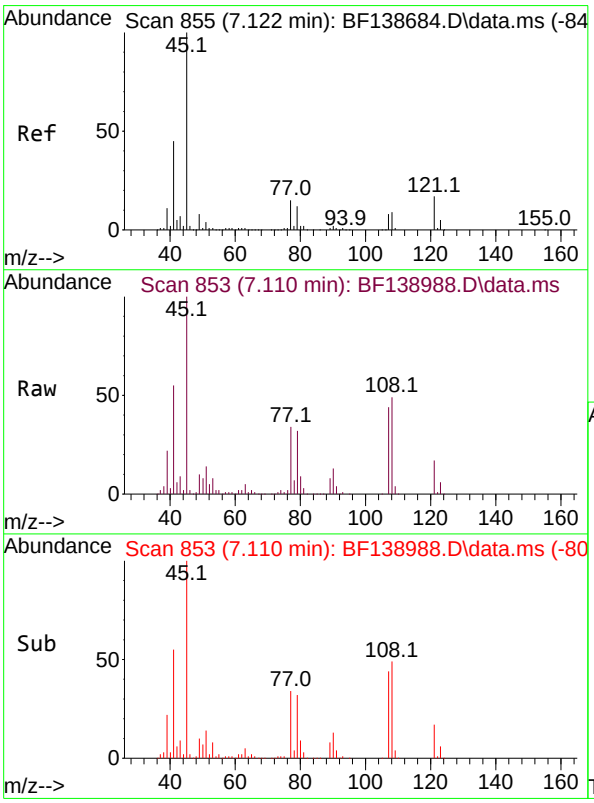
Ion	Ratio	Lower	Upper
79	100		
108	65.1	56.6	85.0
77	62.9	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

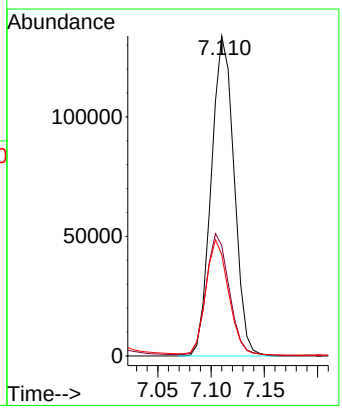


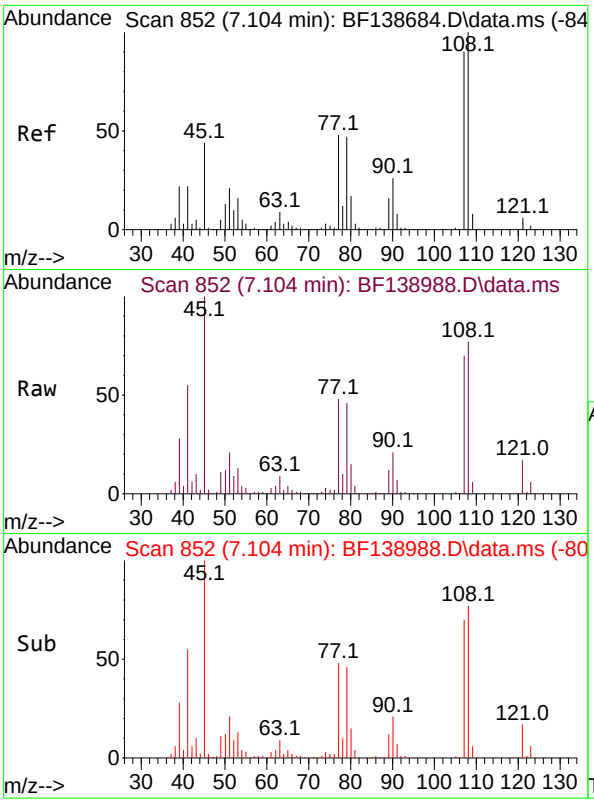


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.200 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 45 Resp: 198801

Ion	Ratio	Lower	Upper
45	100		
77	34.5	0.0	34.9
79	31.7	0.0	32.2

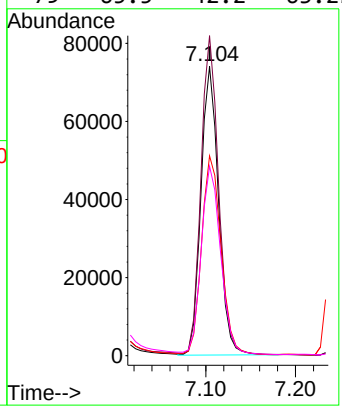




#17
2-Methylphenol
Concen: 38.428 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:107 Resp: 10071

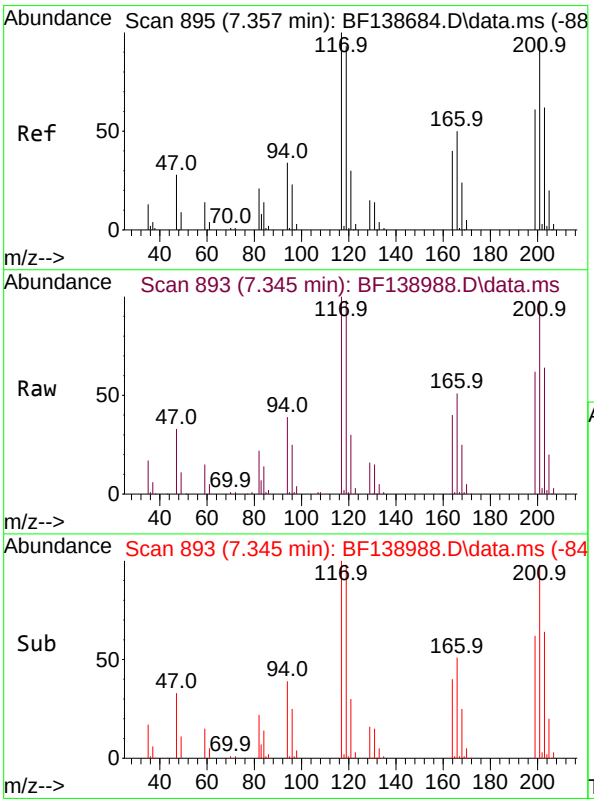
Ion	Ratio	Lower	Upper
107	100		
108	110.6	89.2	133.8
77	69.0	43.0	64.4#
79	65.5	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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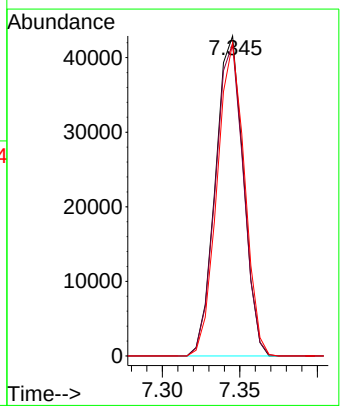
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

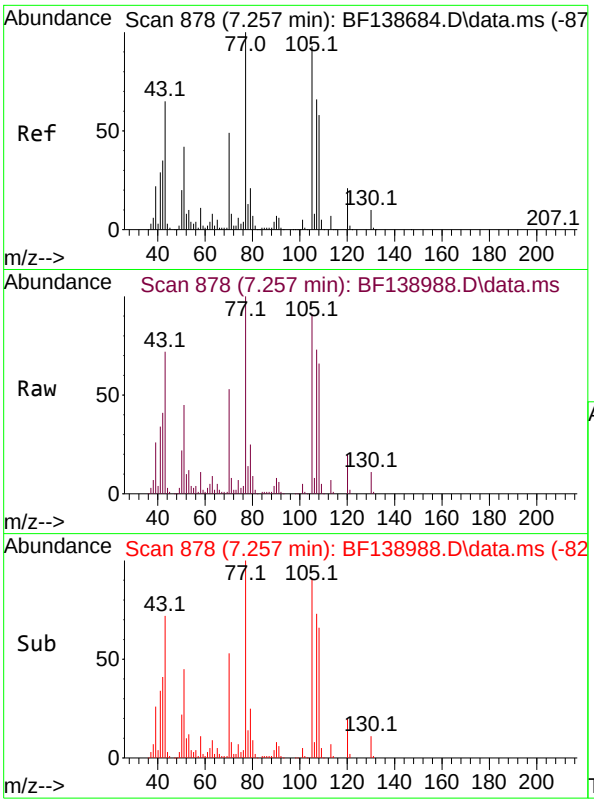


#18
Hexachloroethane
Concen: 39.720 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:117 Resp: 53609

Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.6	111.8
201	97.8	77.2	115.8

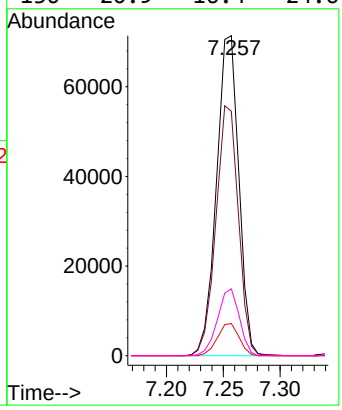




#19
n-Nitroso-di-n-propylamine
Concen: 39.876 ng
RT: 7.257 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 70 Resp: 9755

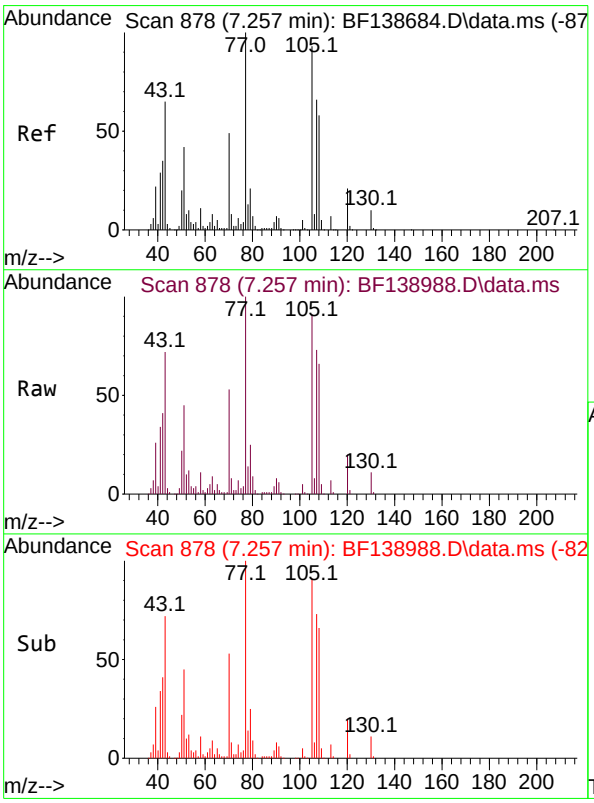
Ion	Ratio	Lower	Upper
70	100		
42	76.4	57.4	86.0
101	10.0	7.5	11.3
130	20.9	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

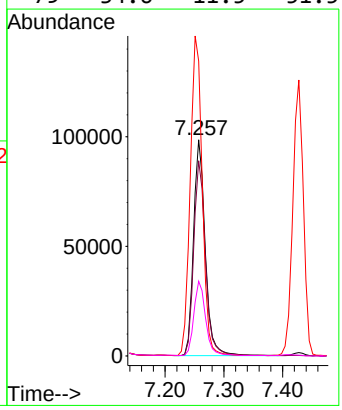
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

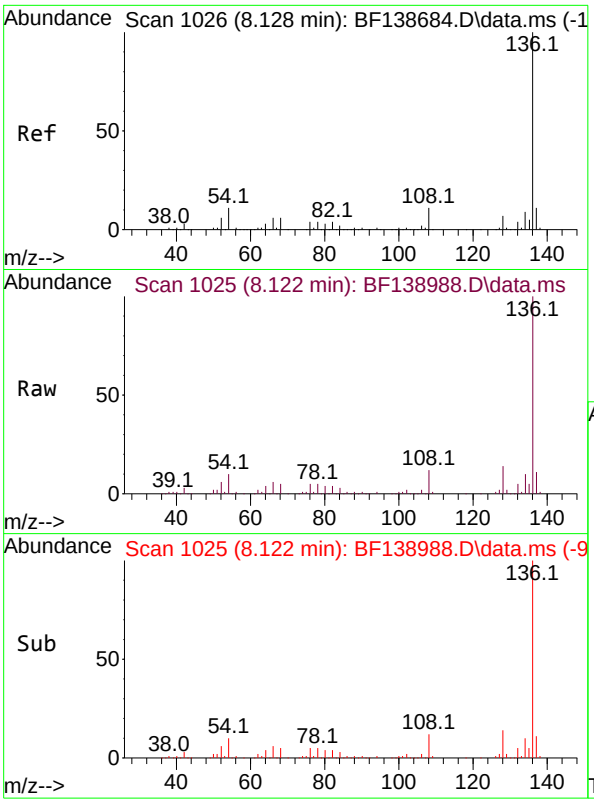


#20
3+4-Methylphenols
Concen: 40.386 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:107 Resp: 135810

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.2	108.2
77	136.4	132.1	172.1
79	34.6	11.5	51.5

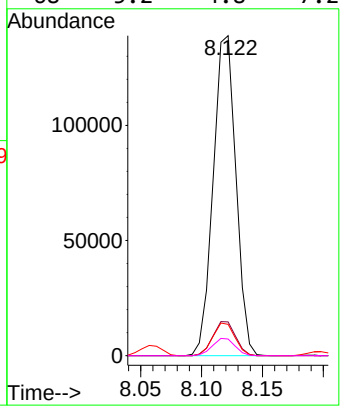




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:136 Resp: 18039

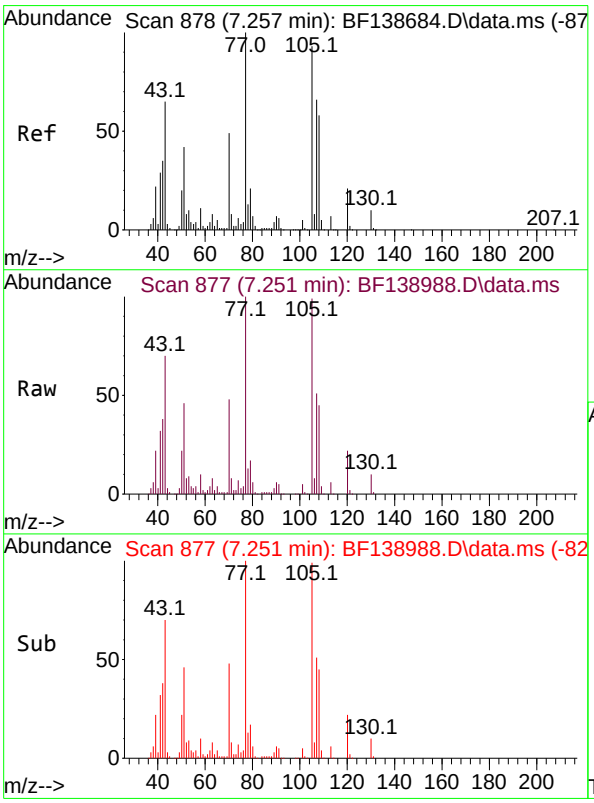
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.8	8.6	12.8
68	5.2	4.8	7.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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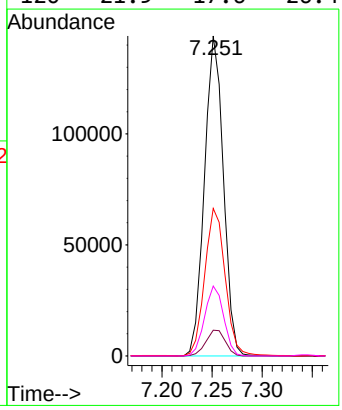
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

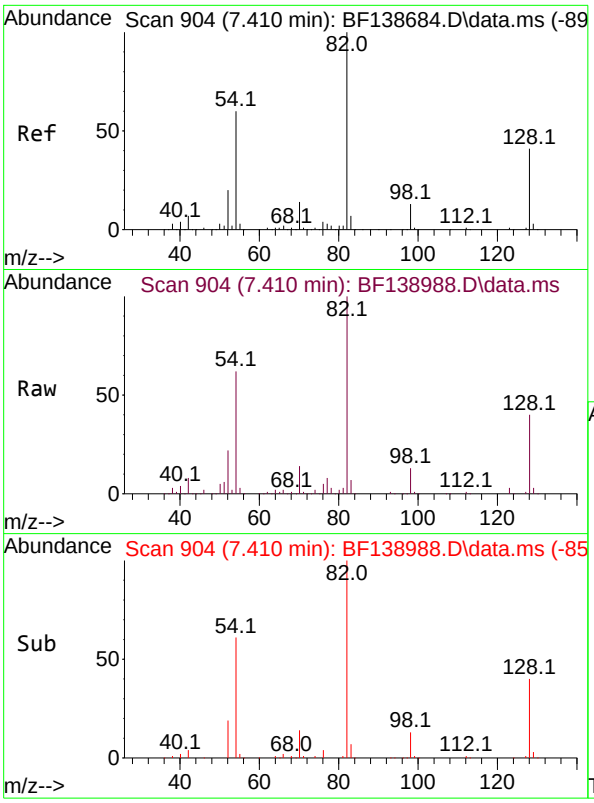


#22
Acetophenone
Concen: 42.932 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:105 Resp: 189628

Ion	Ratio	Lower	Upper
105	100		
71	8.0	7.2	10.8
51	46.1	35.9	53.9
120	21.9	17.6	26.4





#23
Nitrobenzene-d5
Concen: 84.071 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

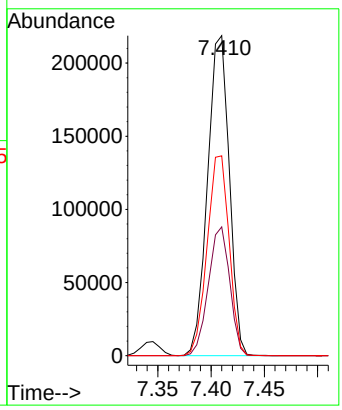
Tgt Ion: 82 Resp: 31019

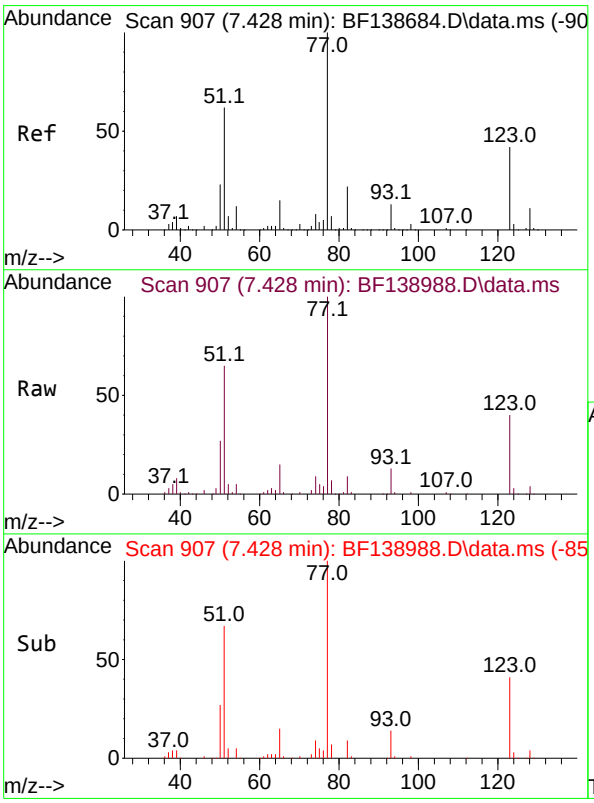
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	62.4	48.3	72.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

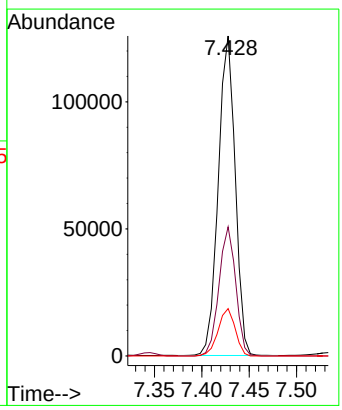


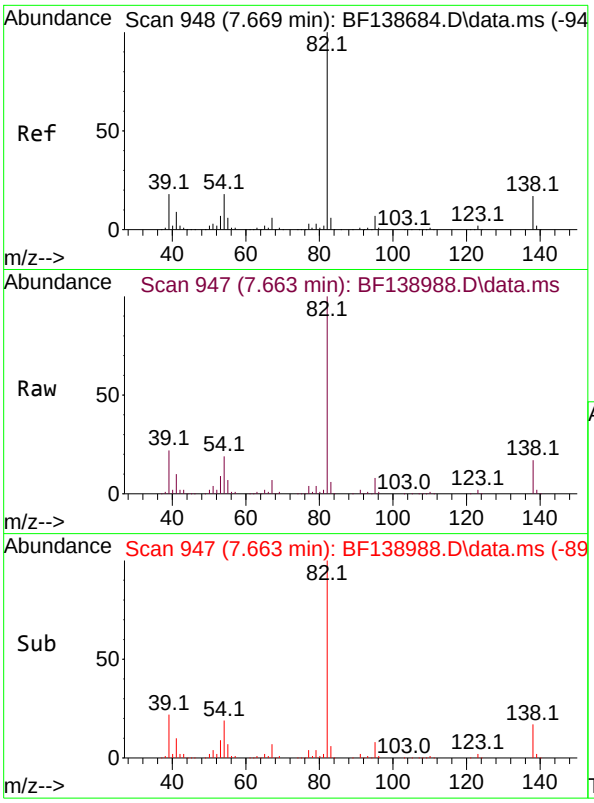


#24
Nitrobenzene
Concen: 41.674 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 77 Resp: 156466

Ion	Ratio	Lower	Upper
77	100		
123	40.3	33.3	49.9
65	14.8	11.9	17.9

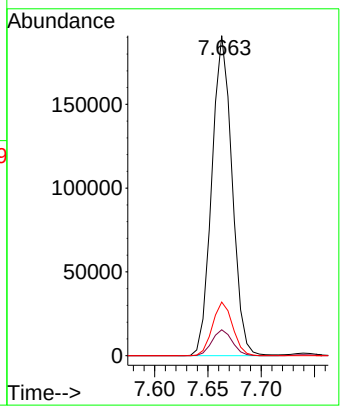




#25
Isophorone
Concen: 40.170 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 82 Resp: 25308

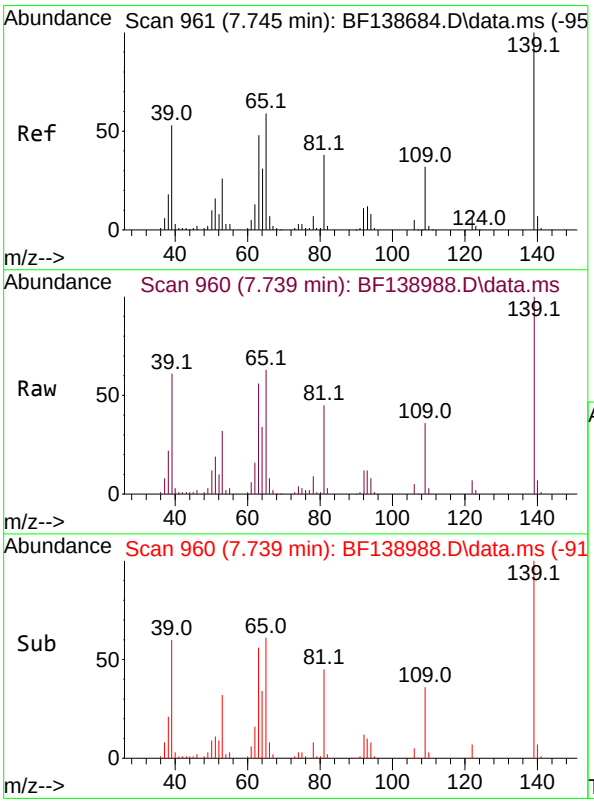
Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.7	8.5
138	16.7	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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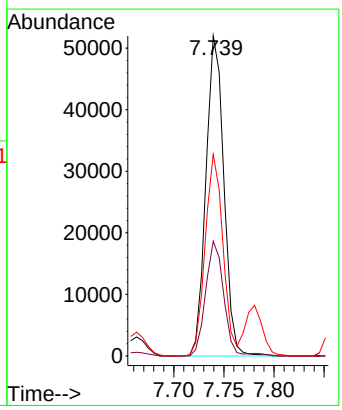
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

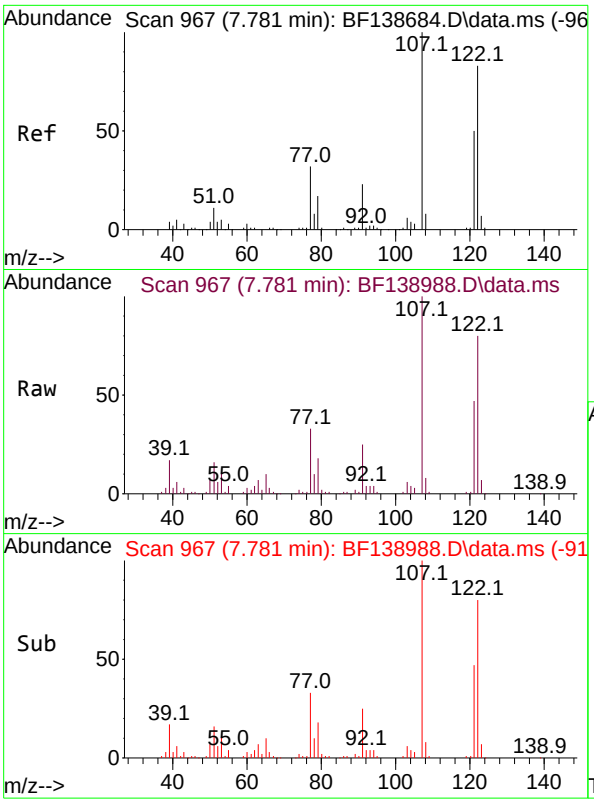


#26
2-Nitrophenol
Concen: 40.063 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:139 Resp: 64715

Ion	Ratio	Lower	Upper
139	100		
109	35.8	25.9	38.9
65	63.0	47.0	70.6

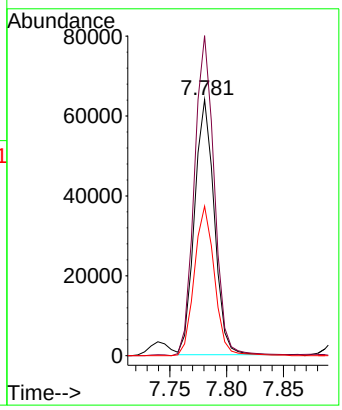




#27
2,4-Dimethylphenol
Concen: 39.859 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:122 Resp: 7703

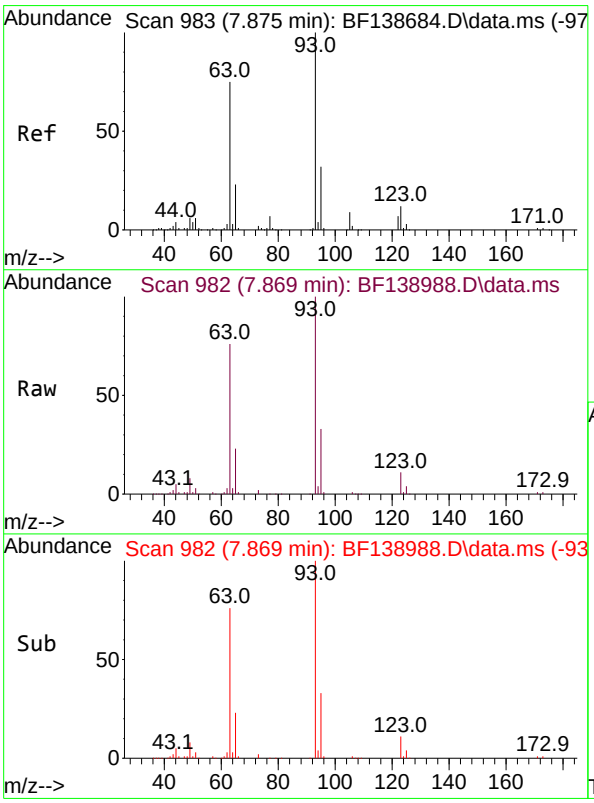
Ion	Ratio	Lower	Upper
122	100		
107	125.0	95.0	142.6
121	58.3	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

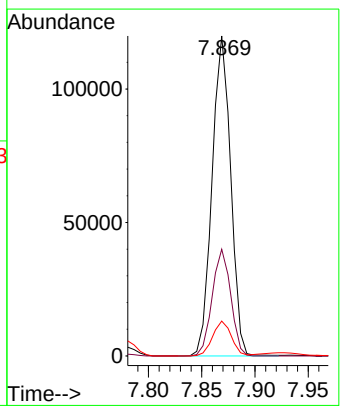
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

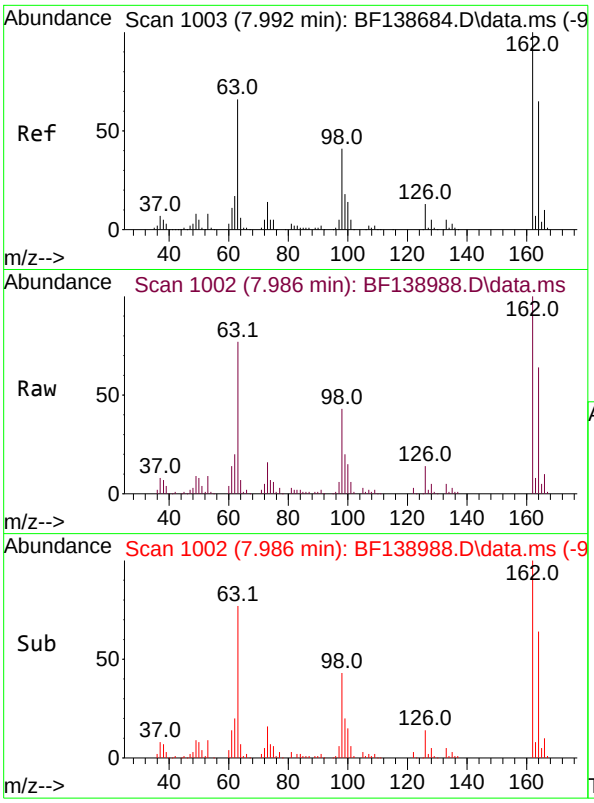


#28
bis(2-Chloroethoxy)methane
Concen: 38.016 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 93 Resp: 145855

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	10.9	9.4	14.0

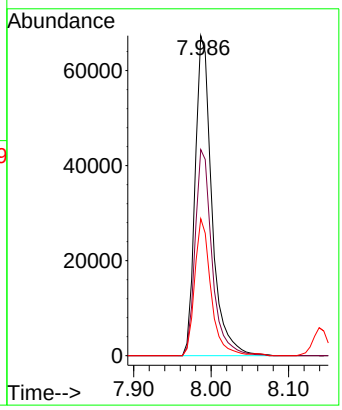




#29
2,4-Dichlorophenol
Concen: 40.610 ng
RT: 7.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:162 Resp: 10085

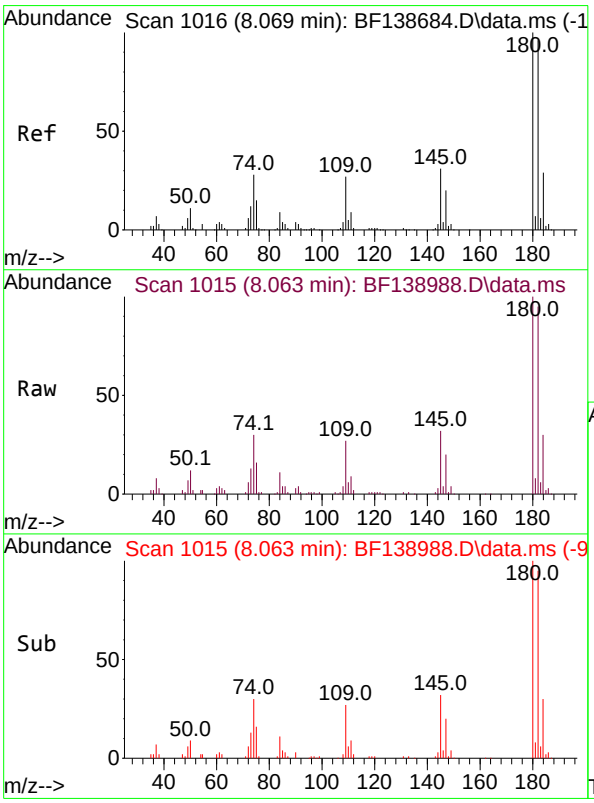
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.7	84.7
98	42.8	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

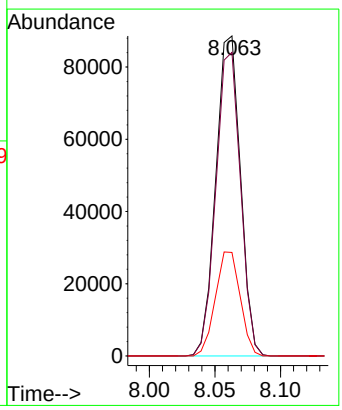
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

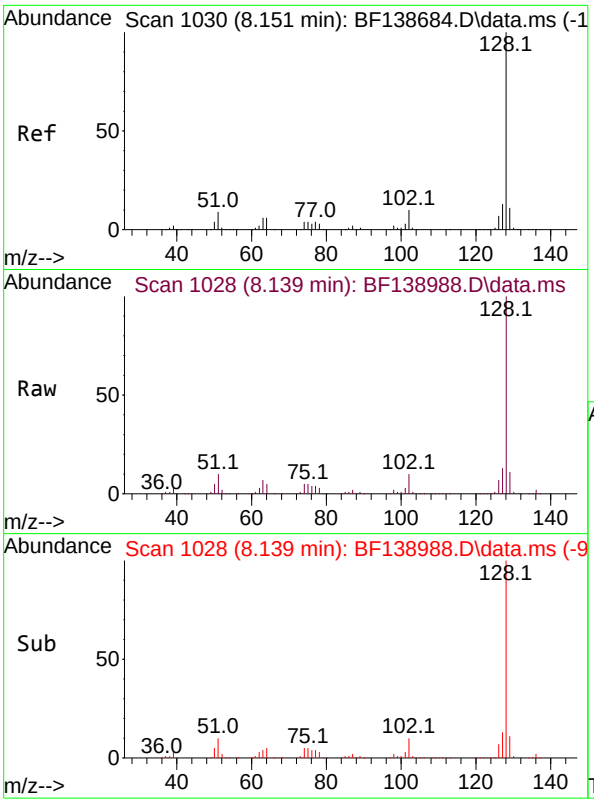


#30
1,2,4-Trichlorobenzene
Concen: 40.354 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:180 Resp: 115653

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
145	32.4	25.0	37.4

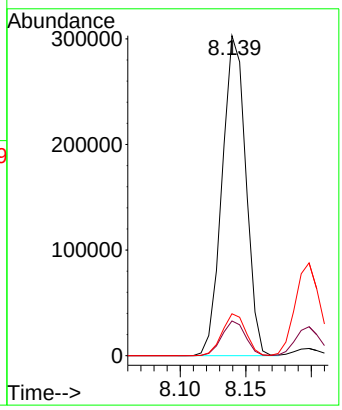




#31
Naphthalene
Concen: 40.153 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:128 Resp: 38126

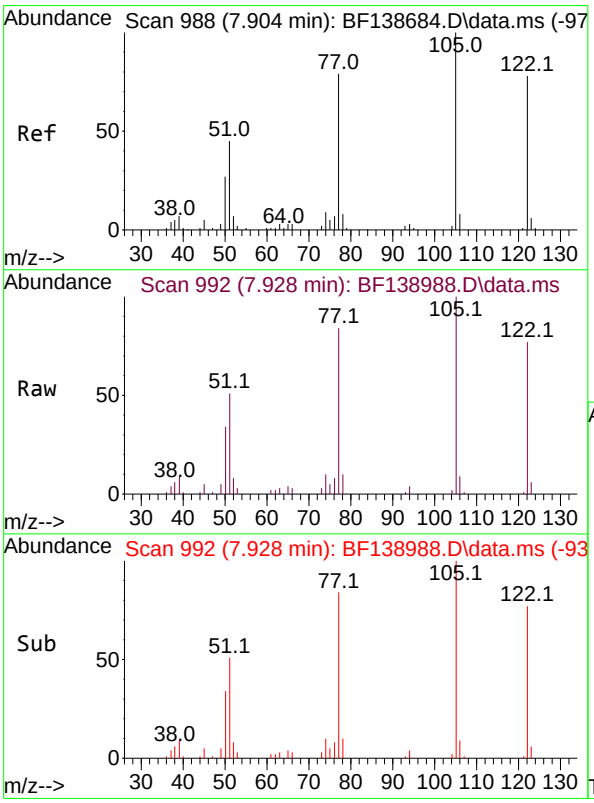
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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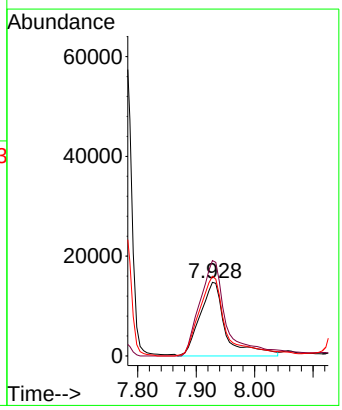
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

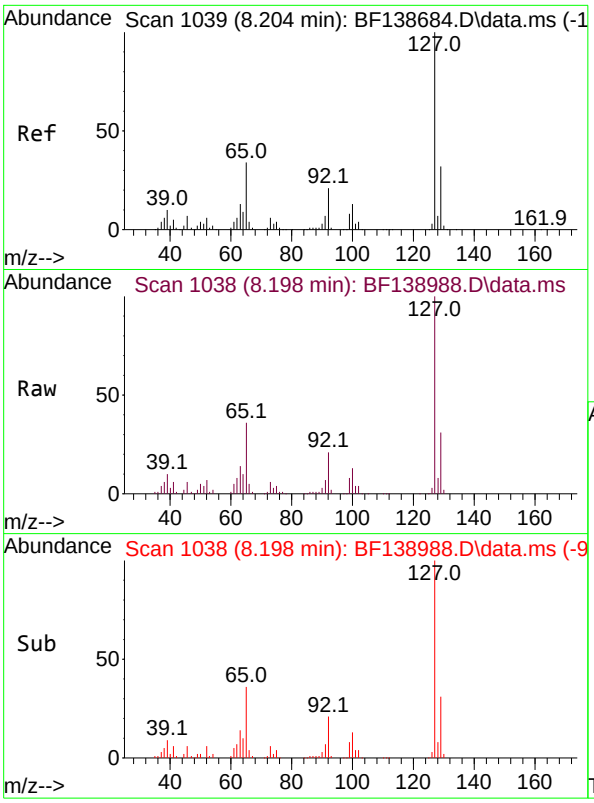


#32
Benzoic acid
Concen: 29.736 ng m
RT: 7.928 min Scan# 992
Delta R.T. 0.024 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:122 Resp: 45176

Ion	Ratio	Lower	Upper
122	100		
105	129.6	106.7	146.7
77	108.4	81.1	121.1

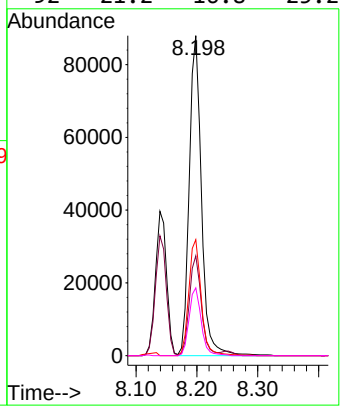




#33
4-Chloroaniline
Concen: 38.457 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:127 Resp: 12257

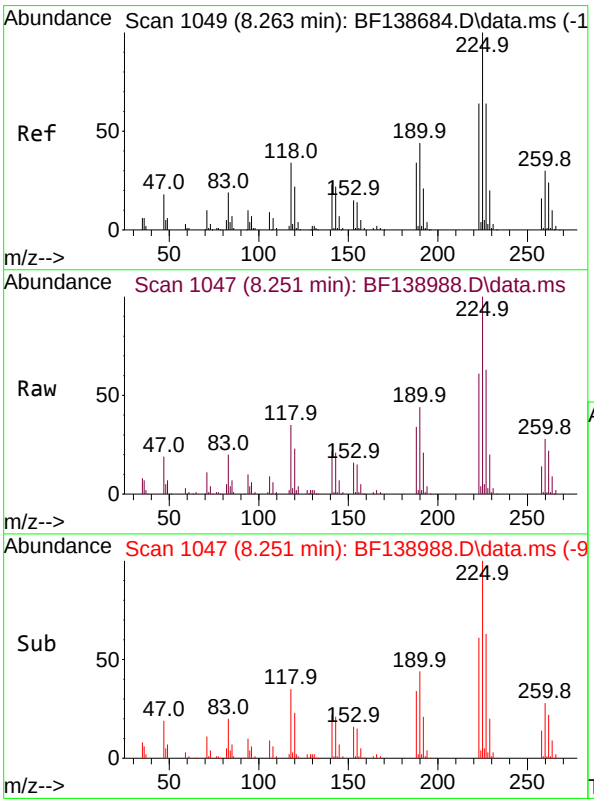
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.9	38.9
65	36.3	27.6	41.4
92	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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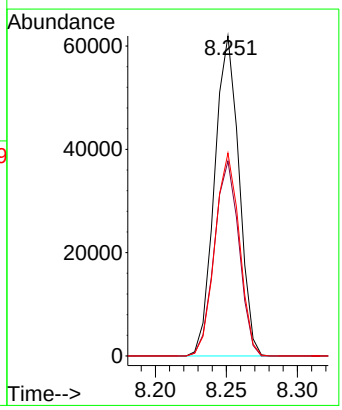
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

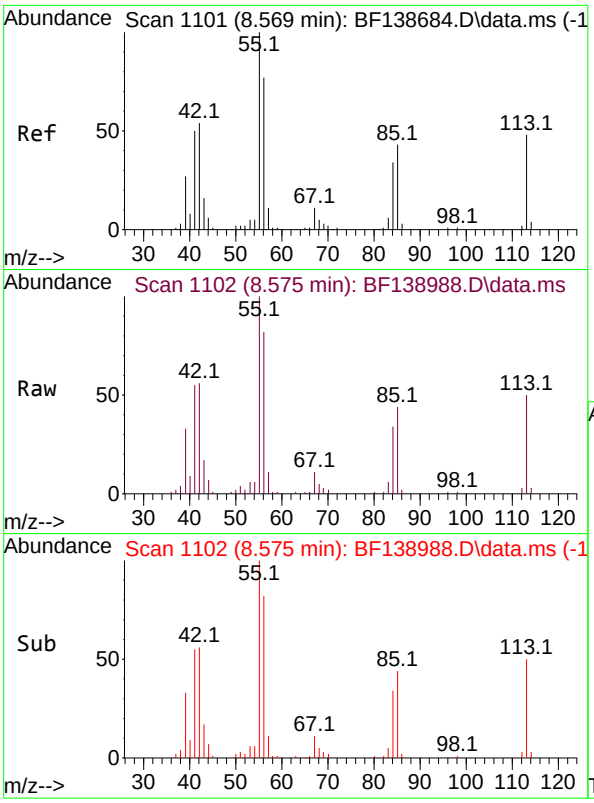


#34
Hexachlorobutadiene
Concen: 42.681 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:225 Resp: 74090

Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.2	76.8
227	63.4	51.1	76.7

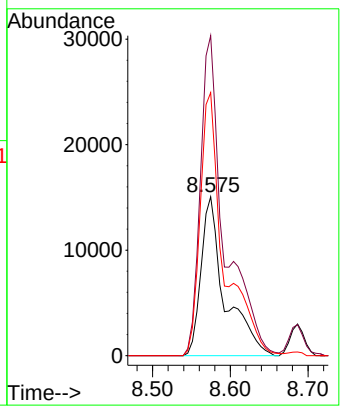




#35
Caprolactam
Concen: 43.423 ng m
RT: 8.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:113 Resp: 3217

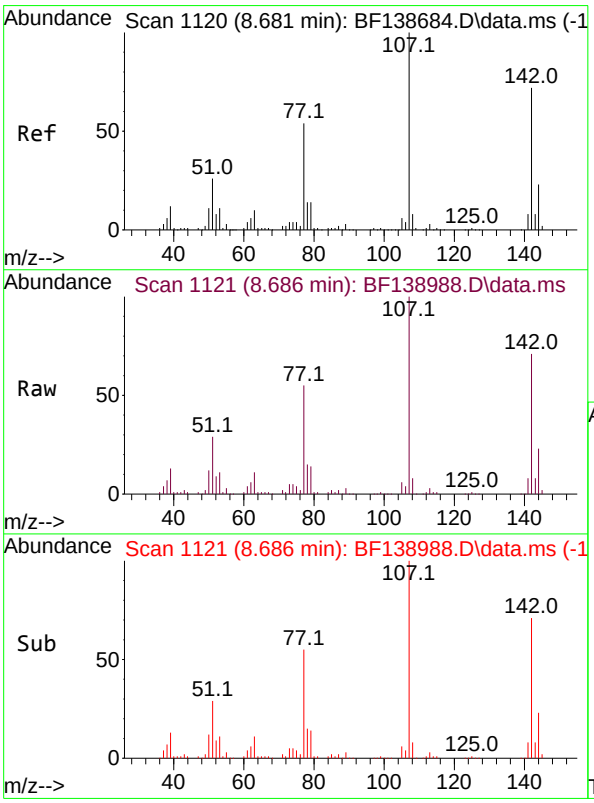
Ion	Ratio	Lower	Upper
113	100		
55	201.3	186.7	226.7
56	165.5	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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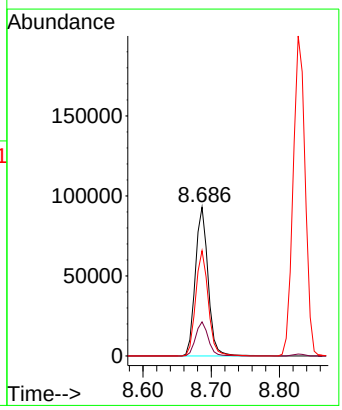
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

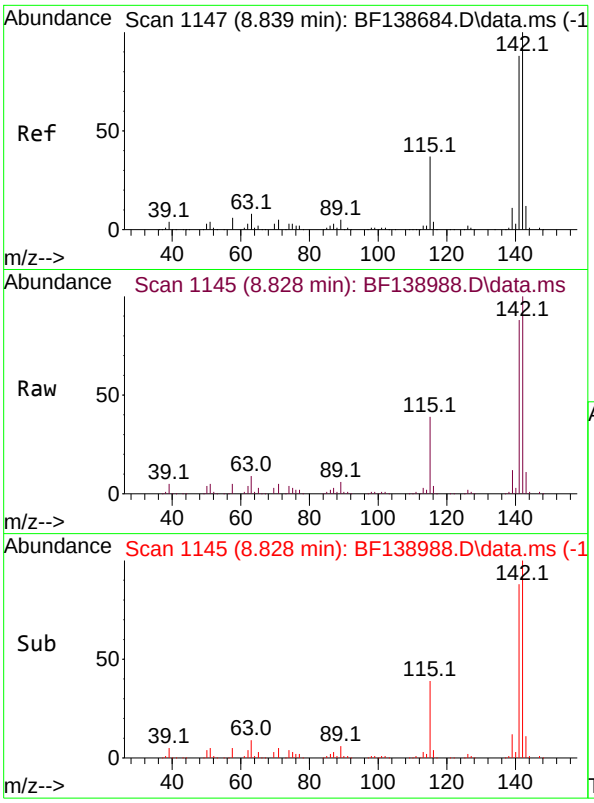


#36
4-Chloro-3-methylphenol
Concen: 42.436 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:107 Resp: 120444

Ion	Ratio	Lower	Upper
107	100		
144	22.9	18.2	27.2
142	70.7	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: BF138988.D
Acq: 14 Aug 2024 12:03

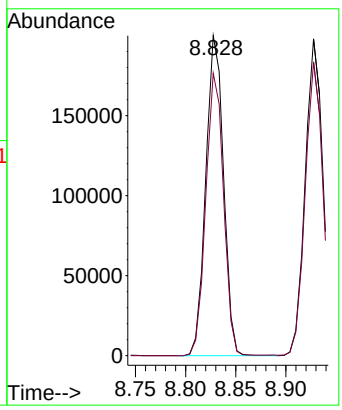
Tgt Ion:142 Resp: 24571

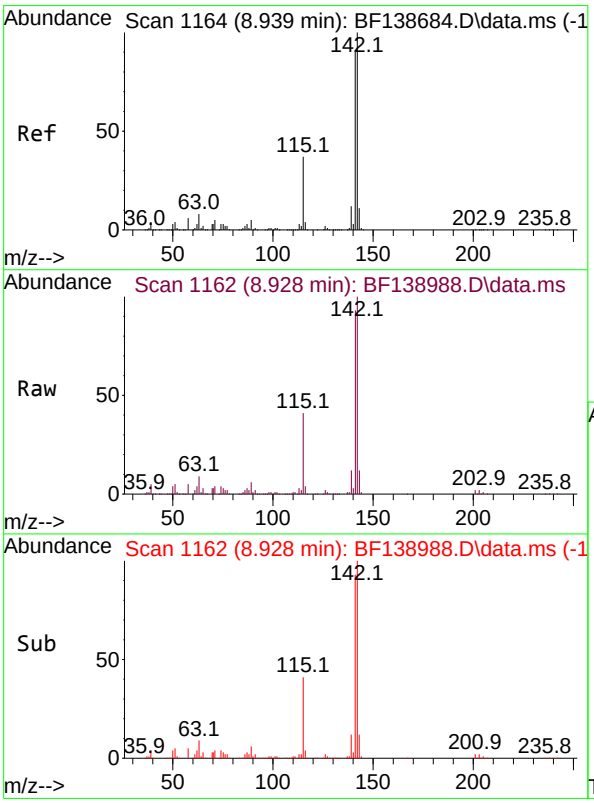
Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

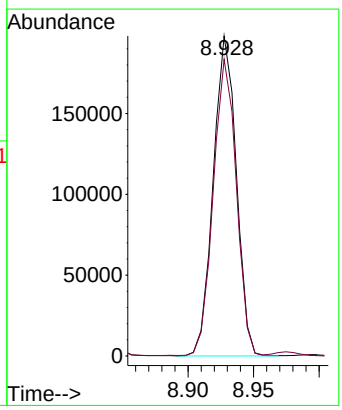


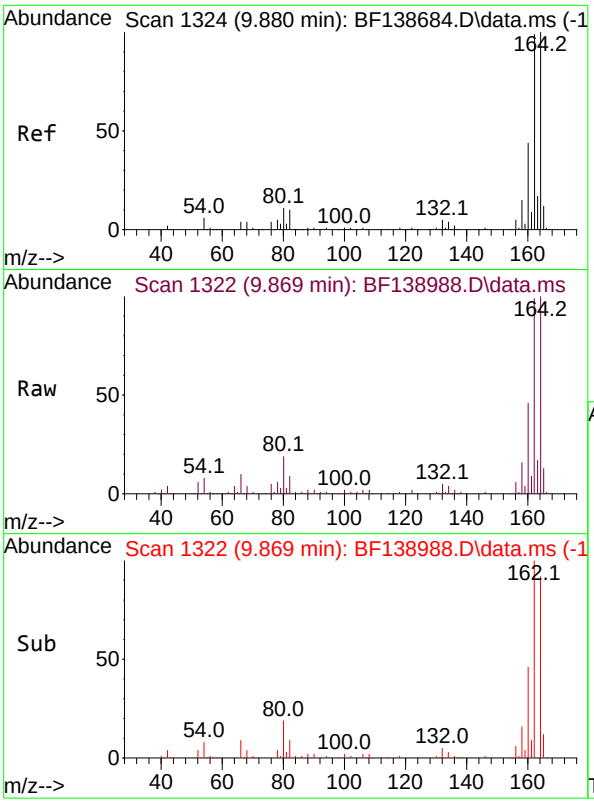


#38
1-Methylnaphthalene
Concen: 41.175 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:142 Resp: 241962

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.1	109.7

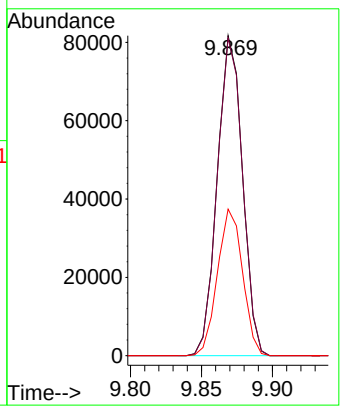




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:164 Resp: 10075

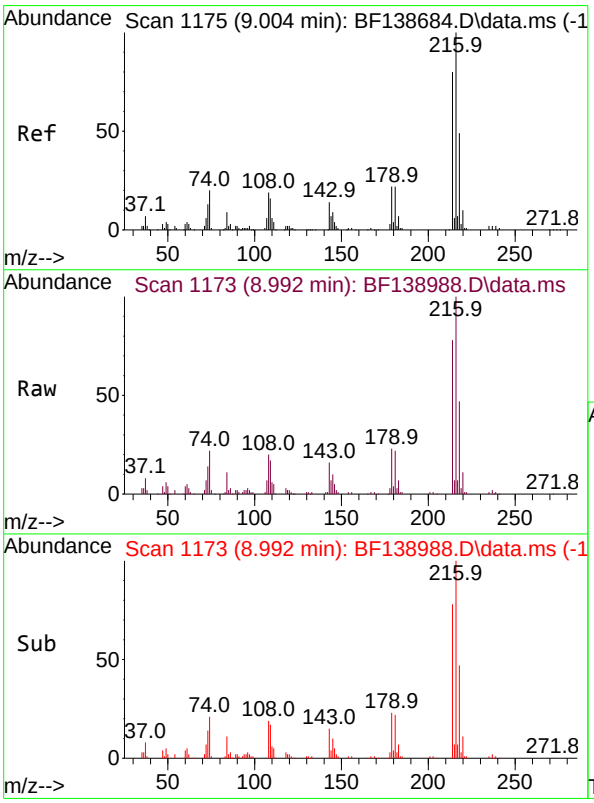
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	45.8	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
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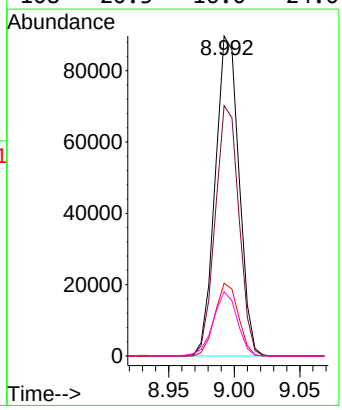
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

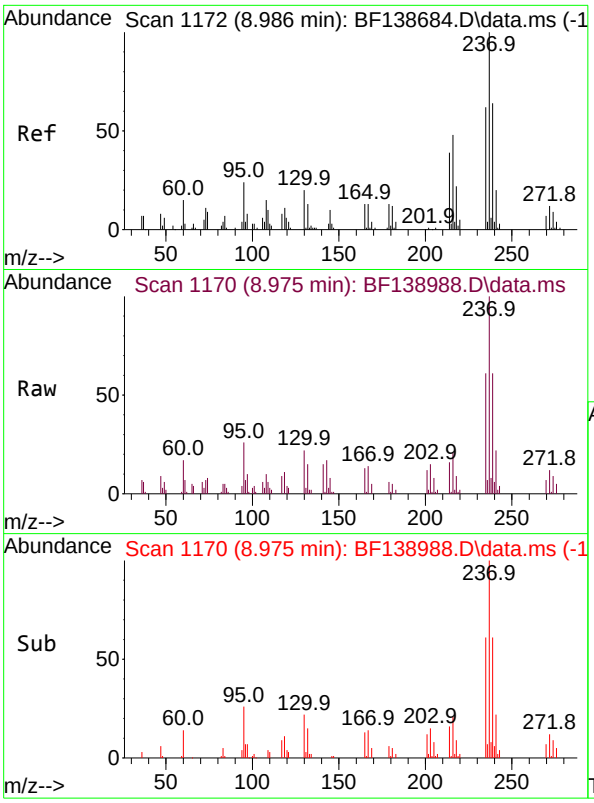


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.349 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:216 Resp: 112930

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.9	95.9
179	22.4	17.8	26.6
108	20.3	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 32.674 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

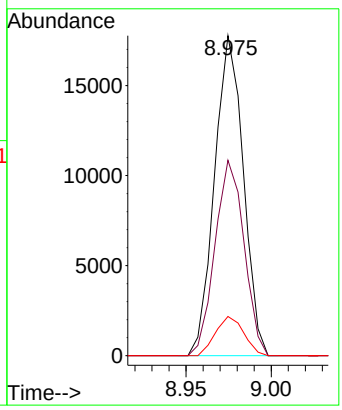
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

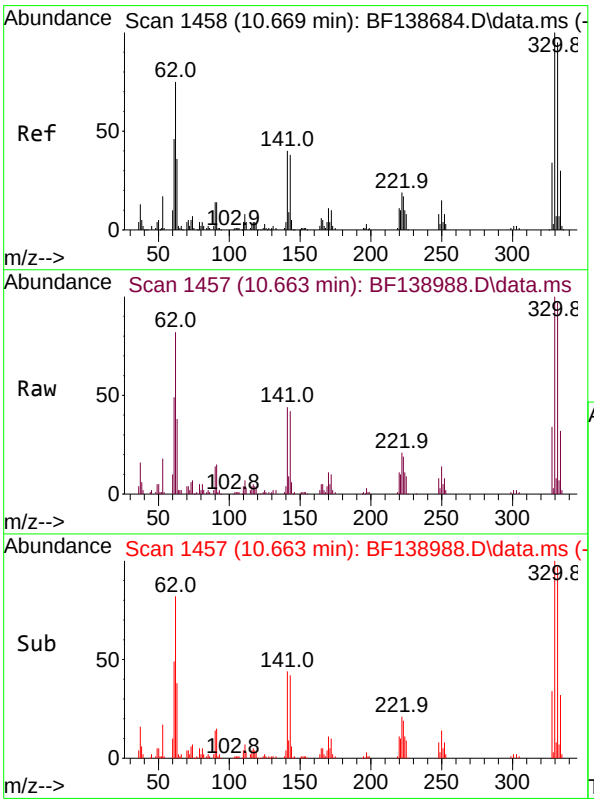
Tgt Ion:237 Resp: 2086

Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.8	81.8
272	12.2	0.0	32.2

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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

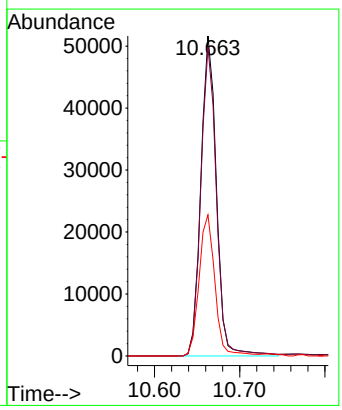


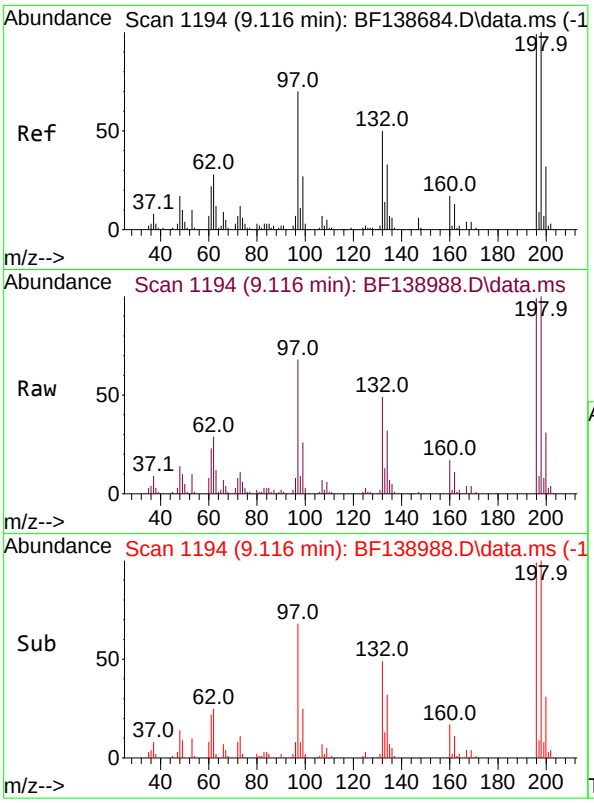


#42
2,4,6-Tribromophenol
Concen: 79.472 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:330 Resp: 65588

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.4	114.6
141	44.7	31.1	46.7

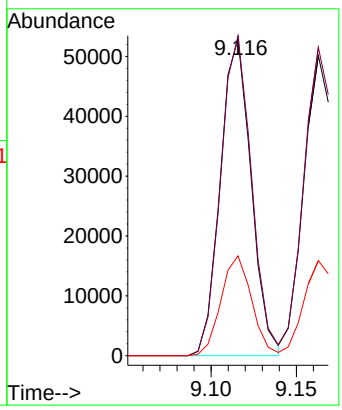




#43
2,4,6-Trichlorophenol
Concen: 39.096 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:196 Resp: 6671

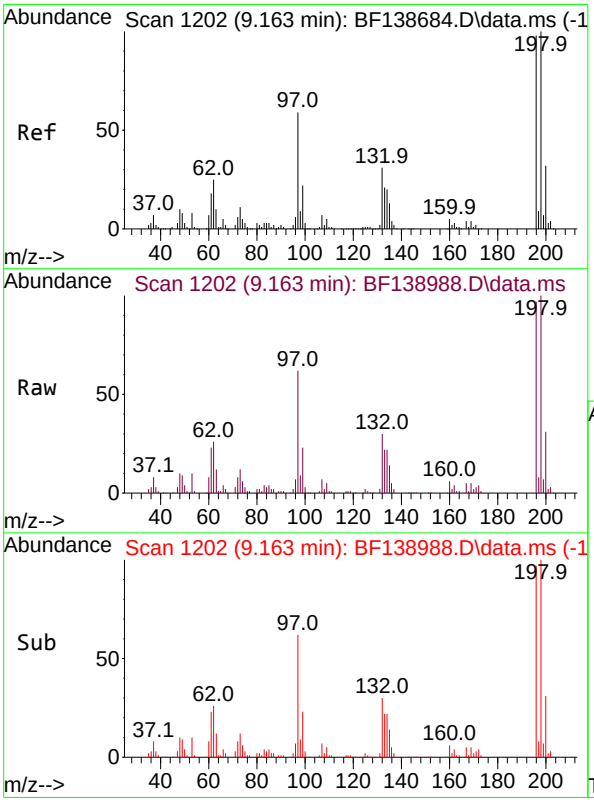
Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.5	120.7
200	31.5	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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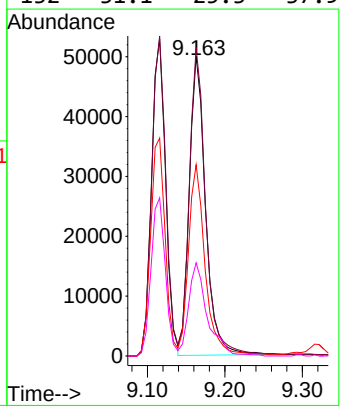
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

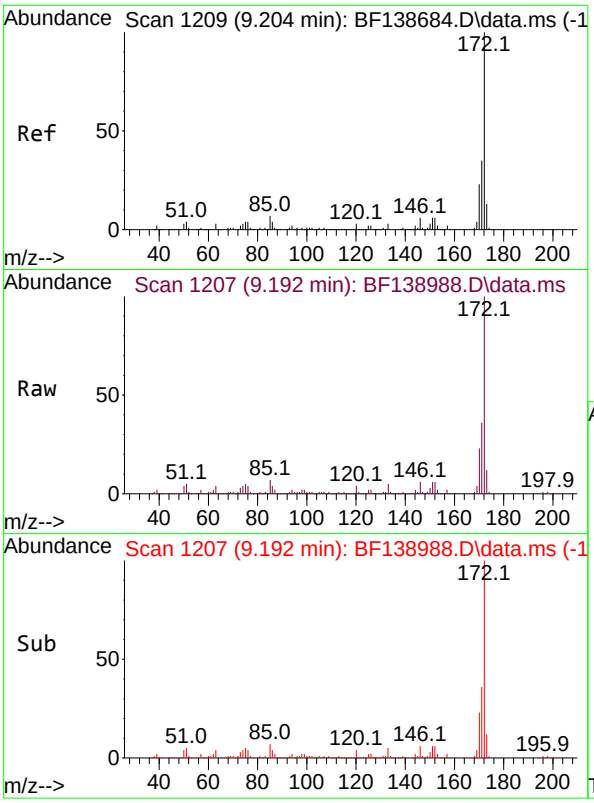


#44
2,4,5-Trichlorophenol
Concen: 38.990 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:196 Resp: 72737

Ion	Ratio	Lower	Upper
196	100		
198	102.8	81.2	121.8
97	63.7	47.8	71.6
132	31.1	25.3	37.9

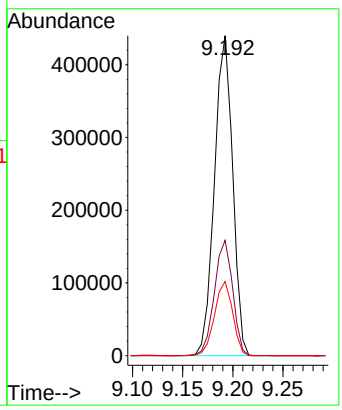




#45
2-Fluorobiphenyl
Concen: 82.676 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:172 Resp: 55440

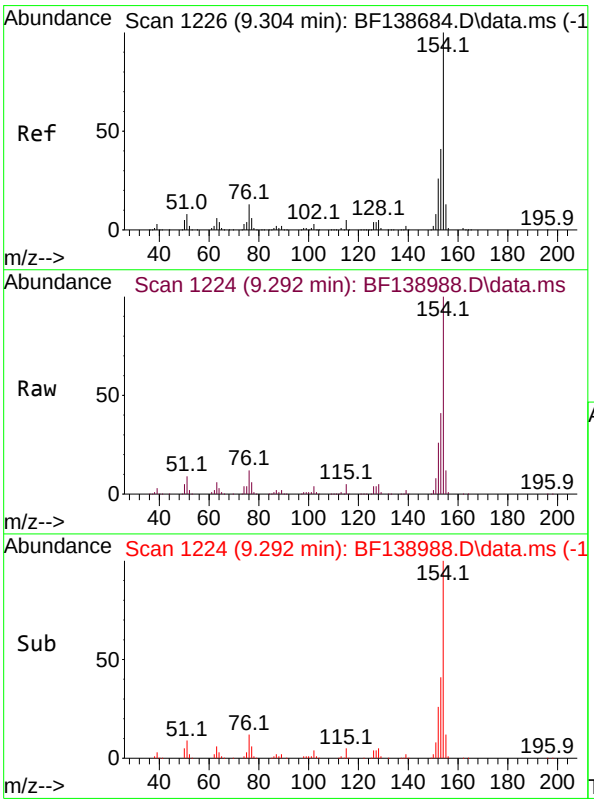
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.3	42.5
170	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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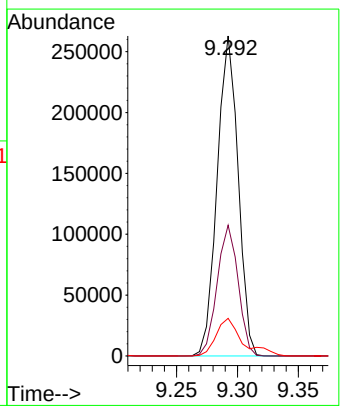
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

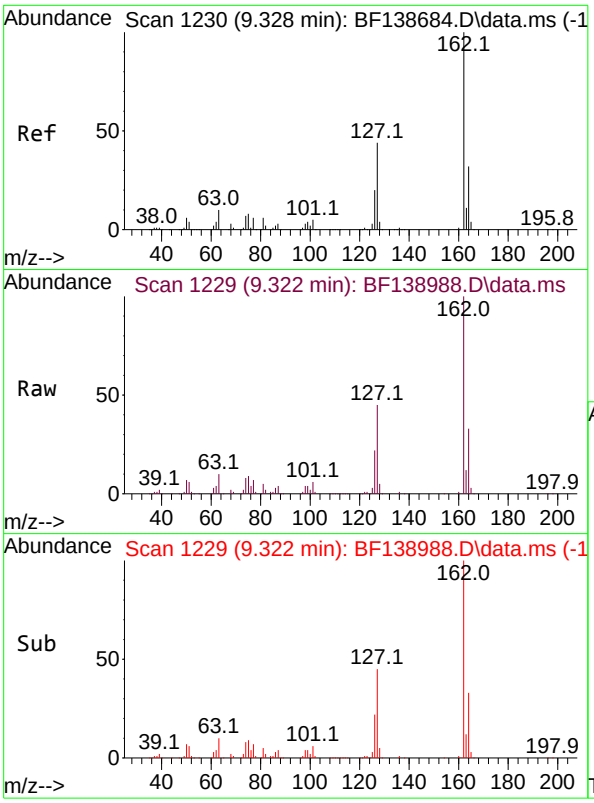


#46
1,1'-Biphenyl
Concen: 39.920 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:154 Resp: 314999

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.8	60.8
76	11.8	0.0	32.8

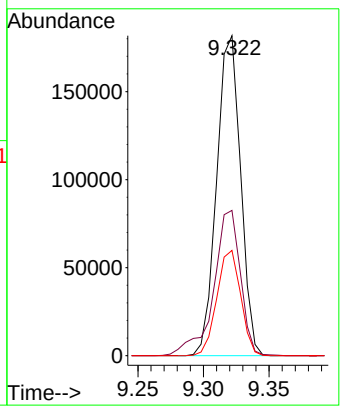




#47
2-Chloronaphthalene
Concen: 39.241 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:162 Resp: 23029

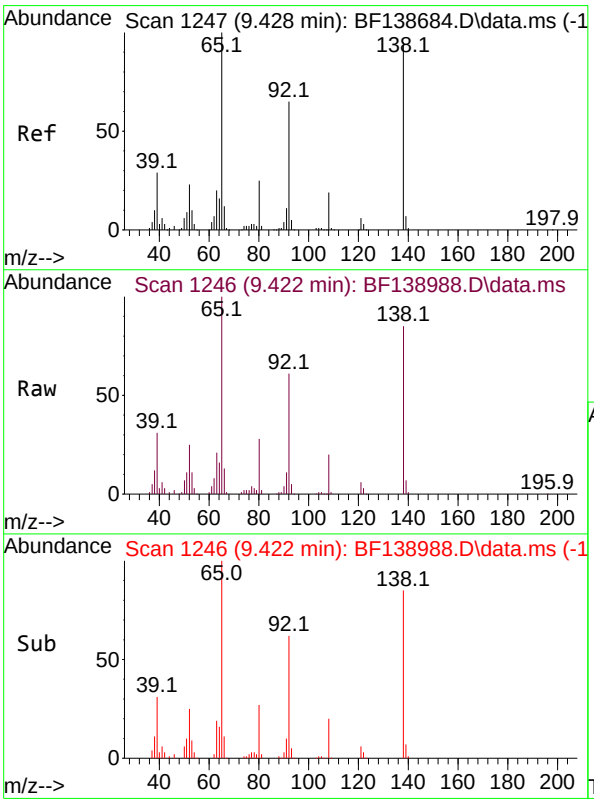
Ion	Ratio	Lower	Upper
162	100		
127	45.4	35.4	53.2
164	32.9	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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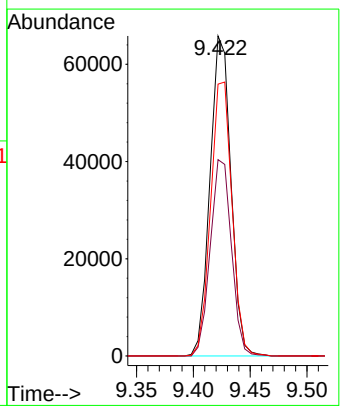
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

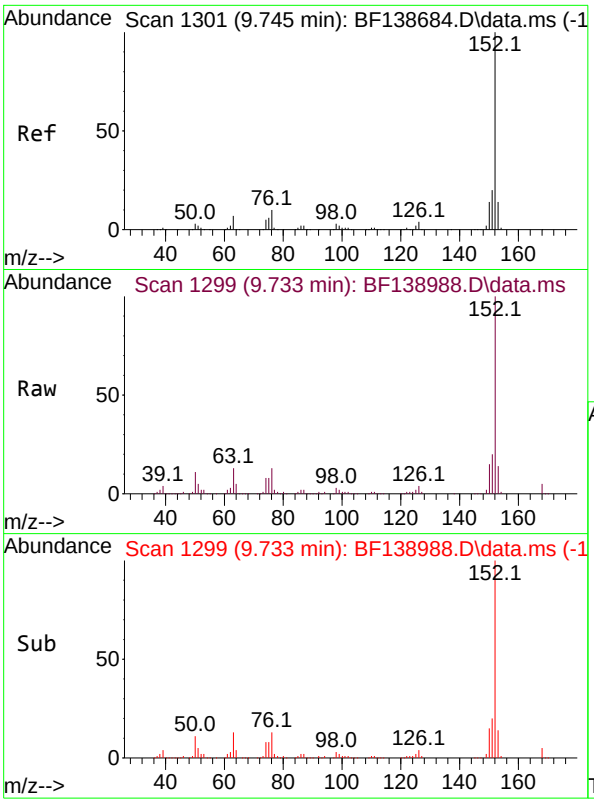


#48
2-Nitroaniline
Concen: 42.361 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion: 65 Resp: 84279

Ion	Ratio	Lower	Upper
65	100		
92	61.3	52.0	78.0
138	84.9	76.2	114.4

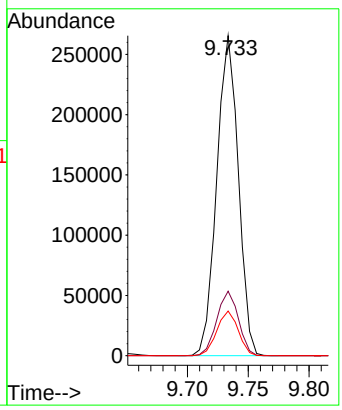




#49
Acenaphthylene
Concen: 39.371 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:152 Resp: 32770

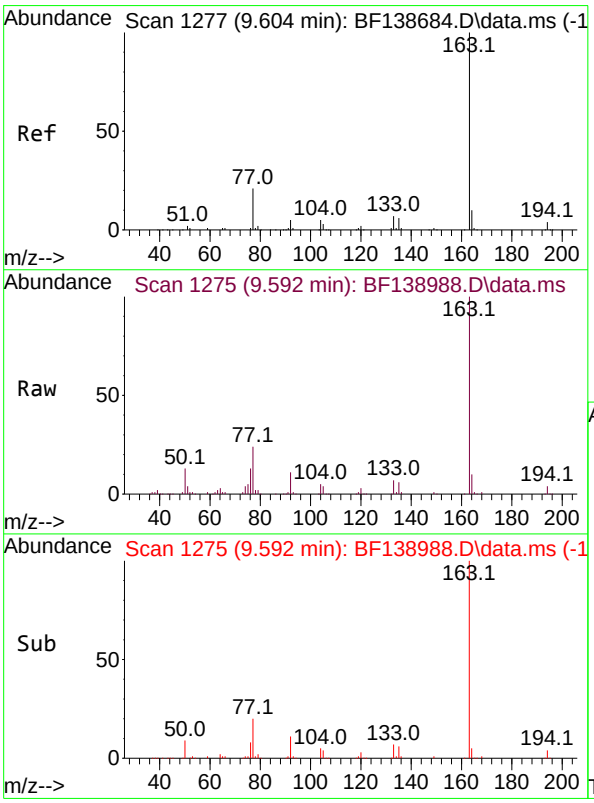
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	14.0	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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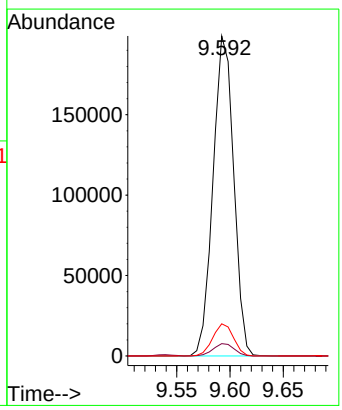
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

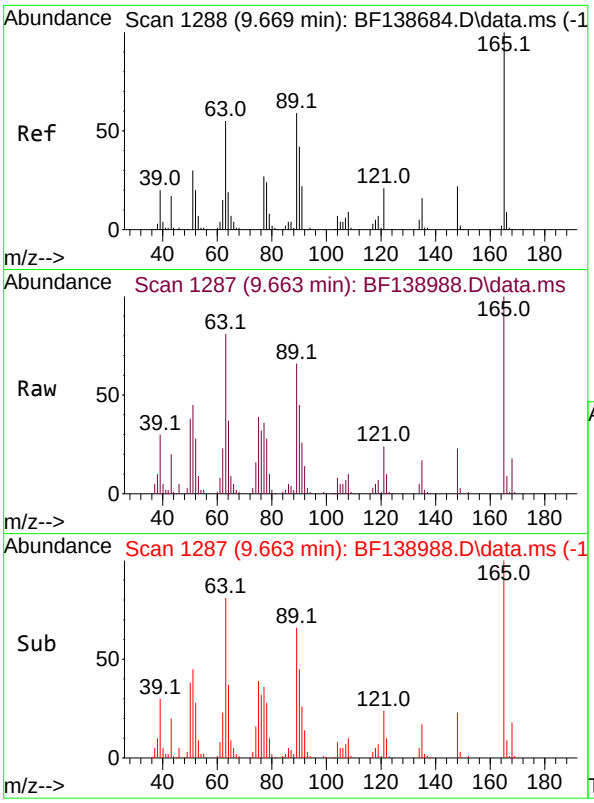


#50
Dimethylphthalate
Concen: 41.594 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:163 Resp: 267963

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.1	7.8	11.8

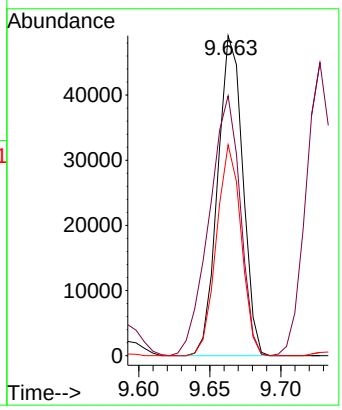




#51
2,6-Dinitrotoluene
Concen: 41.487 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:165 Resp: 6031

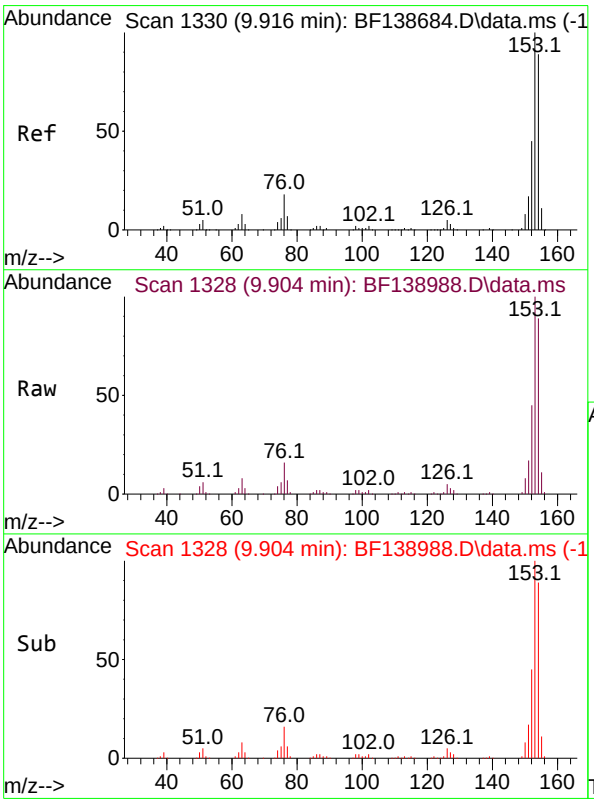
Ion	Ratio	Lower	Upper
165	100		
63	81.2	52.0	78.0
89	65.9	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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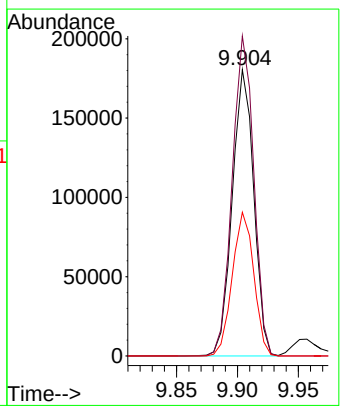
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

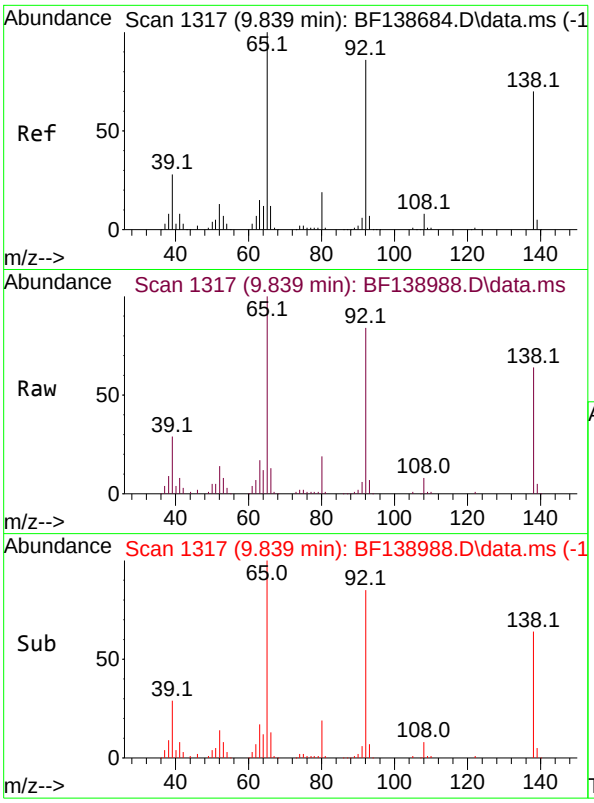


#52
Acenaphthene
Concen: 39.648 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:154 Resp: 221840

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.9	134.9
152	50.2	40.6	60.8

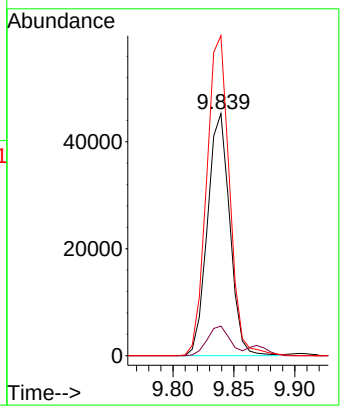




#53
3-Nitroaniline
Concen: 38.446 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:138 Resp: 5778

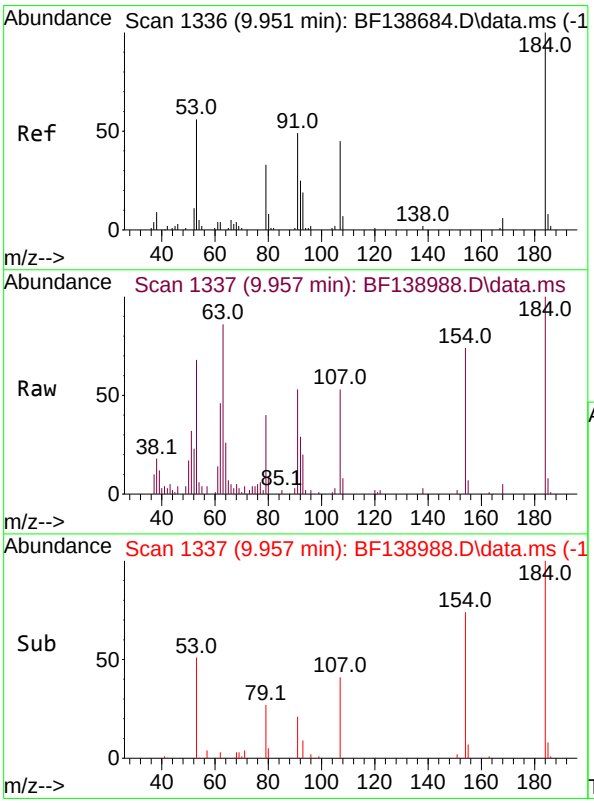
Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.1	13.7
92	132.2	98.7	148.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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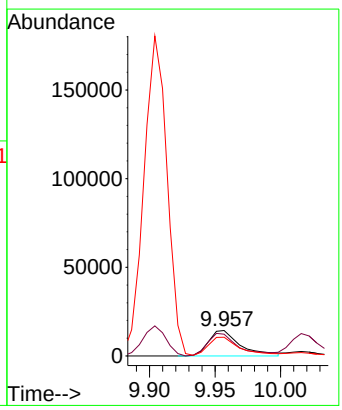
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

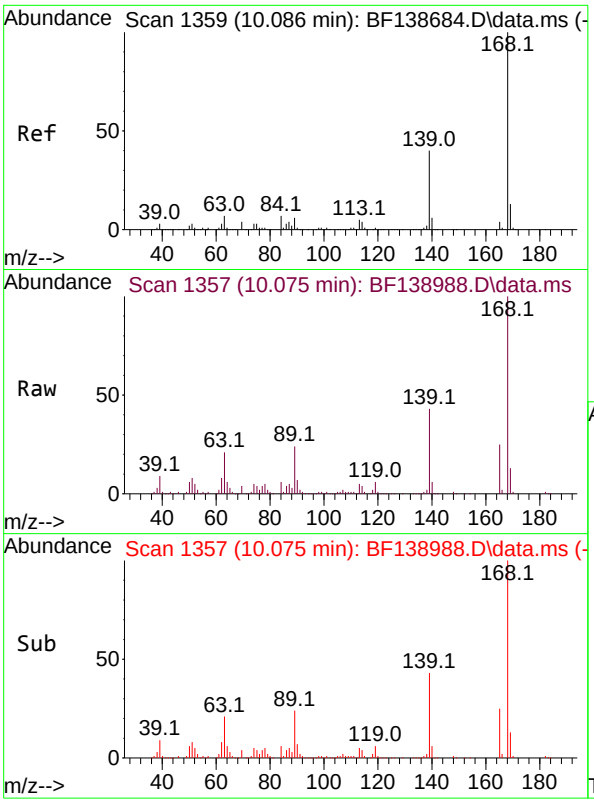


#54
2,4-Dinitrophenol
Concen: 36.052 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:184 Resp: 24129

Ion	Ratio	Lower	Upper
184	100		
63	85.8	57.5	86.3
154	73.9	51.7	77.5

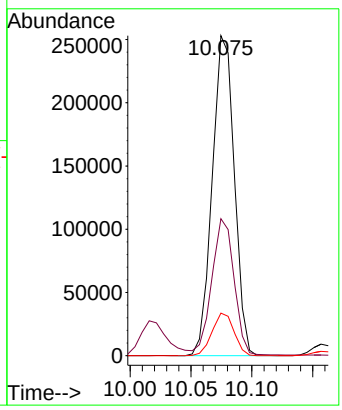




#55
Dibenzofuran
Concen: 40.425 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:168 Resp: 31928

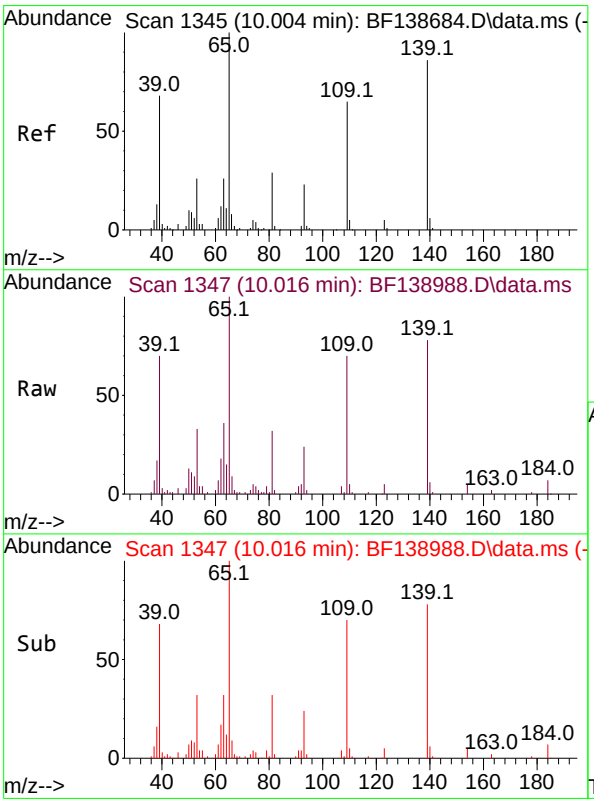
Ion	Ratio	Lower	Upper
168	100		
139	42.8	32.6	49.0
169	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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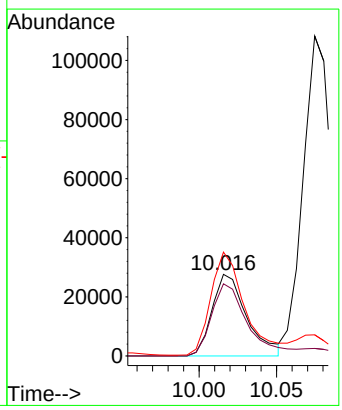
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

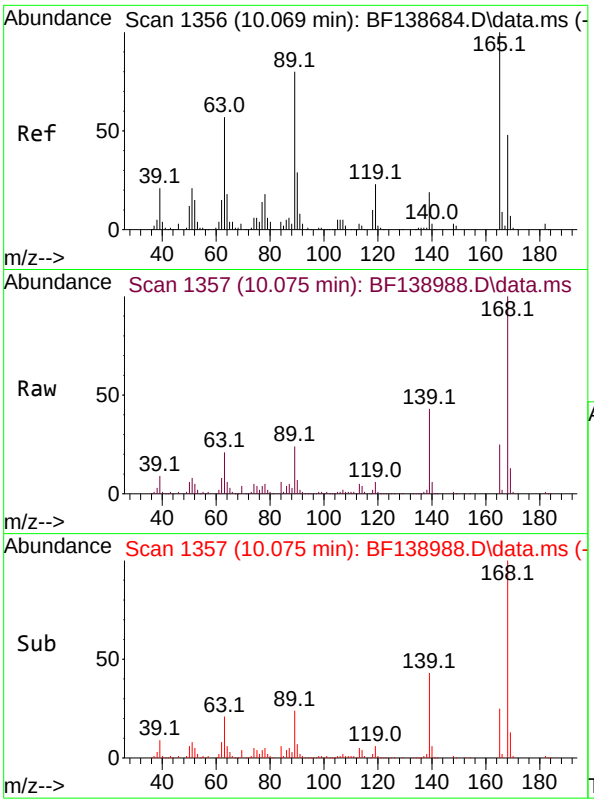


#56
4-Nitrophenol
Concen: 47.672 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:139 Resp: 43088

Ion	Ratio	Lower	Upper
139	100		
109	88.6	55.5	95.5
65	127.4	96.7	136.7

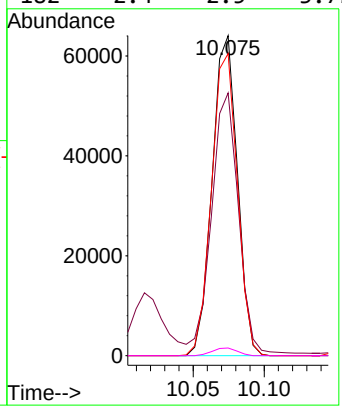




#57
2,4-Dinitrotoluene
Concen: 42.640 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:165 Resp: 7909

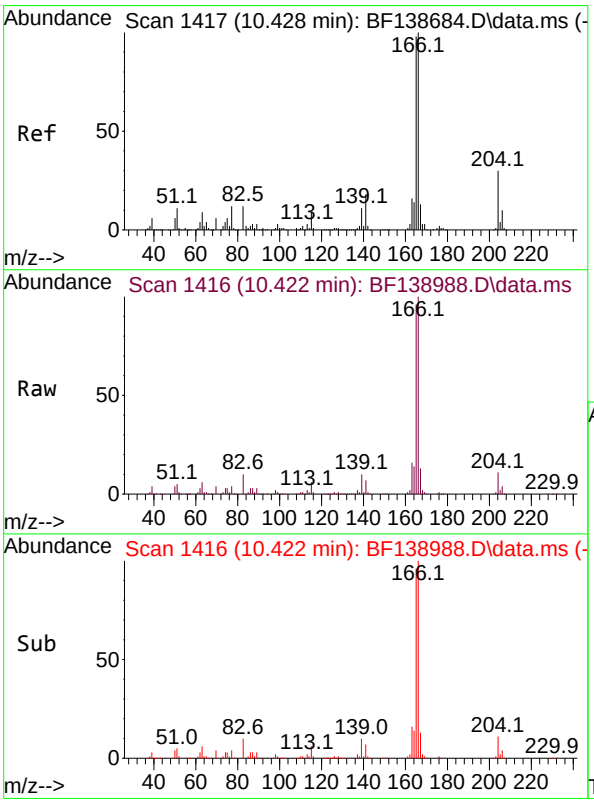
Ion	Ratio	Lower	Upper
165	100		
63	82.1	46.3	69.5#
89	94.4	64.2	96.4
182	2.4	2.5	3.7#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

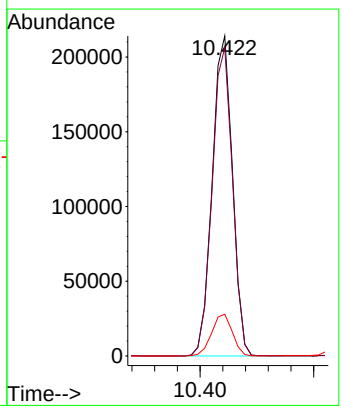
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

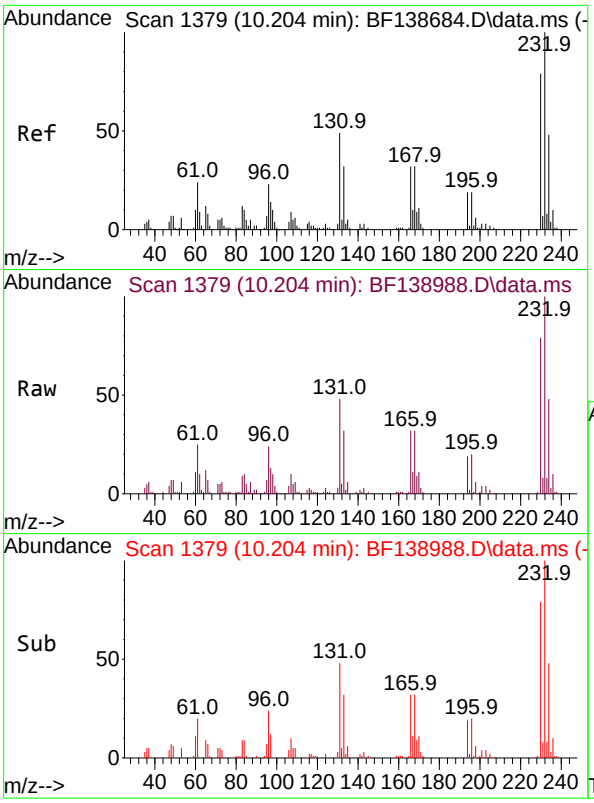


#58
Fluorene
Concen: 42.082 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:166 Resp: 264679

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.4	117.6
167	13.1	10.6	16.0

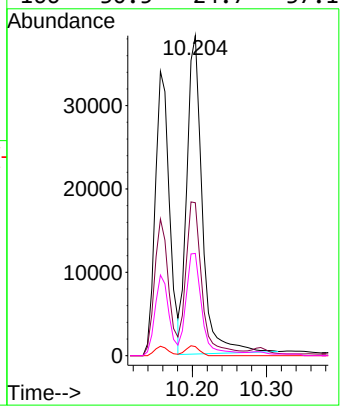




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.824 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:232 Resp: 5537

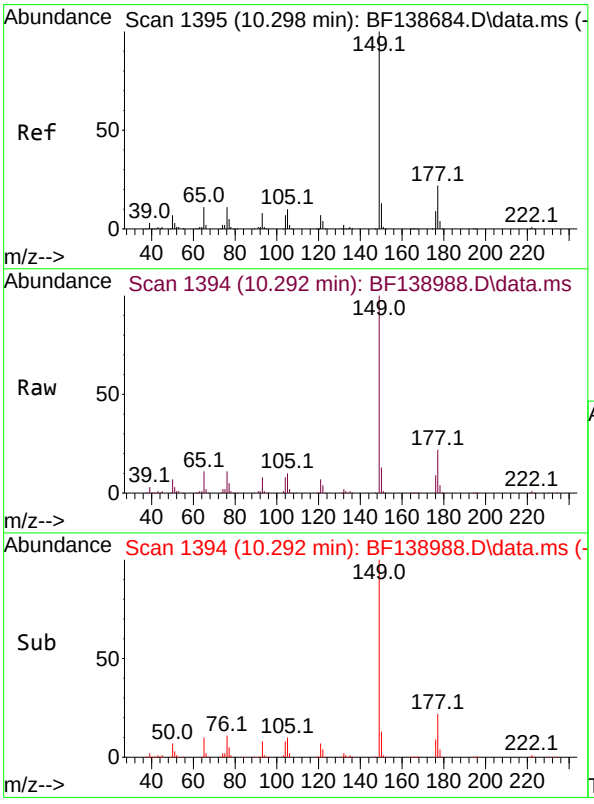
Ion	Ratio	Lower	Upper
232	100		
131	50.0	37.0	55.4
130	2.8	2.0	3.0
166	30.5	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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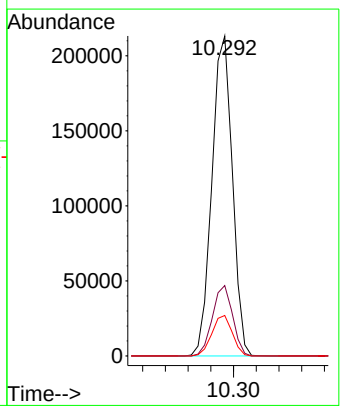
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

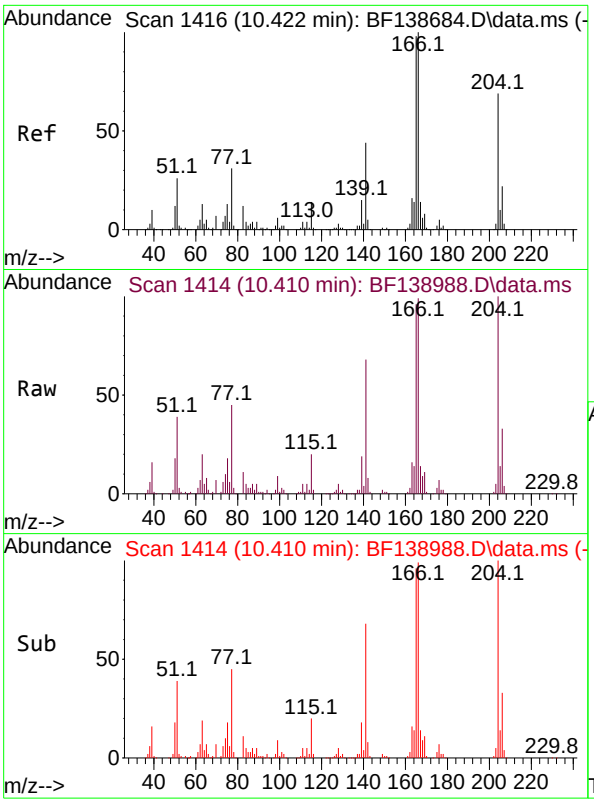


#60
Diethylphthalate
Concen: 43.665 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:149 Resp: 266725

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.8	26.8
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 41.474 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

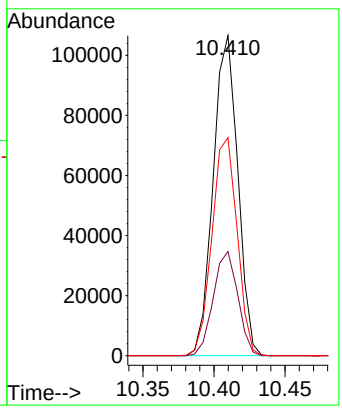
Tgt Ion:204 Resp: 12829

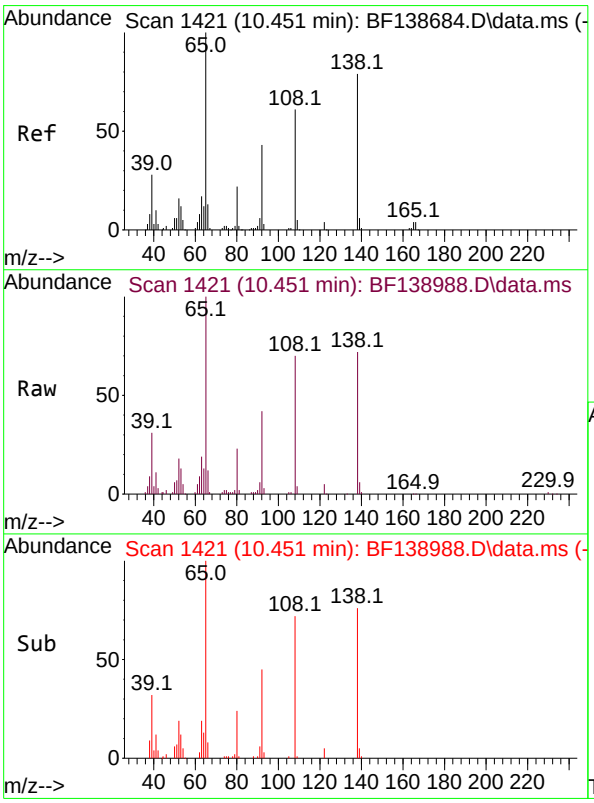
Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.1	39.1
141	68.2	51.4	77.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

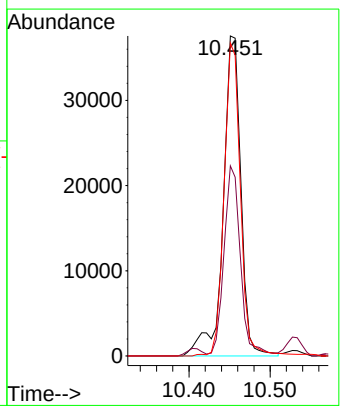


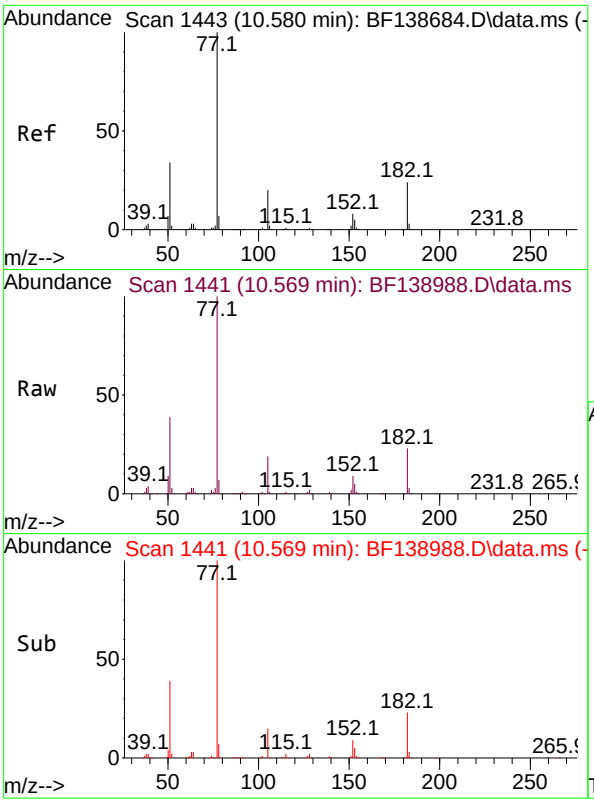


#62
4-Nitroaniline
Concen: 39.940 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:138 Resp: 57048

Ion	Ratio	Lower	Upper
138	100		
92	59.4	34.2	74.2
108	97.8	56.2	96.2#





#63
Azobenzene
Concen: 40.516 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

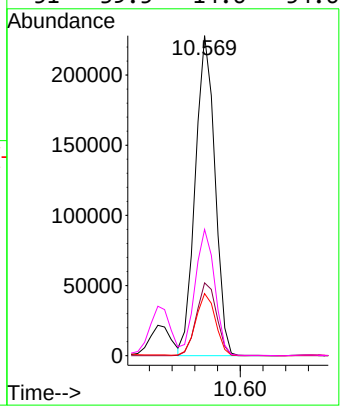
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

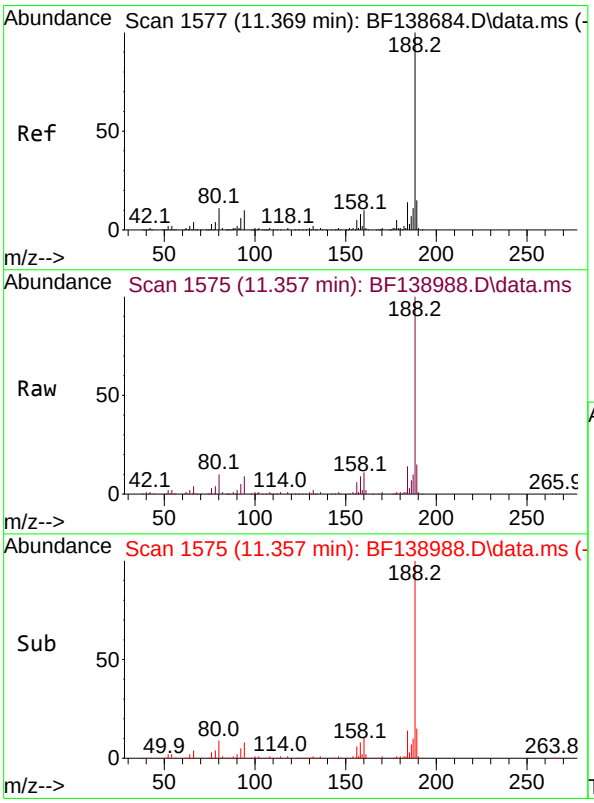
Tgt Ion: 77 Resp: 27449

Ion	Ratio	Lower	Upper
77	100		
182	22.7	3.4	43.4
105	19.4	0.2	40.2
51	39.5	14.6	54.6

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

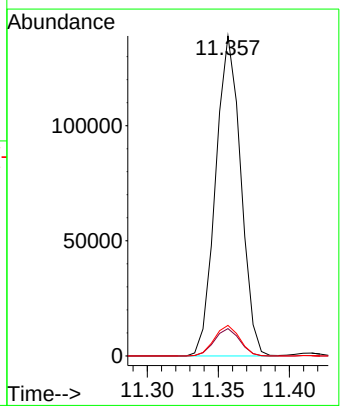


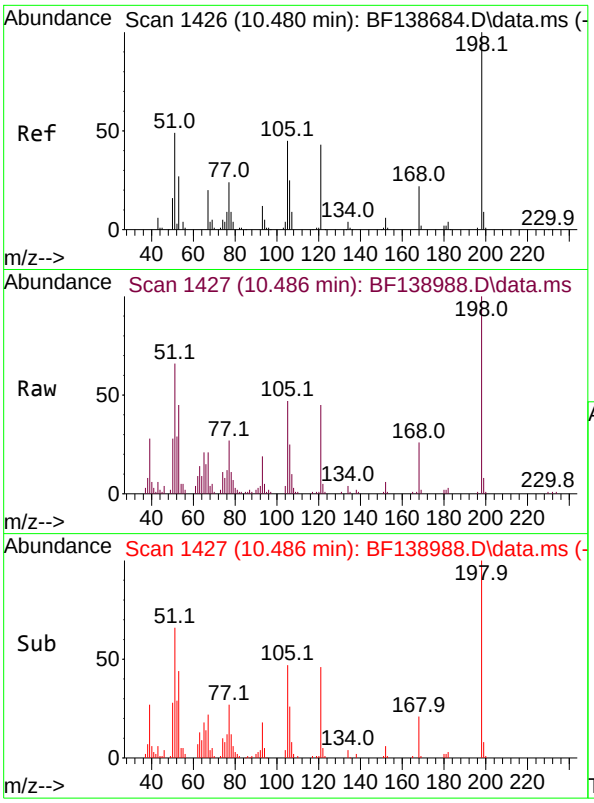


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:188 Resp: 170882

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.6	11.4
80	9.6	8.6	12.8

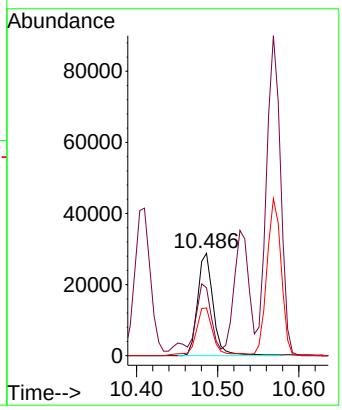




#65
4,6-Dinitro-2-methylphenol
Concen: 36.964 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:198 Resp: 3853

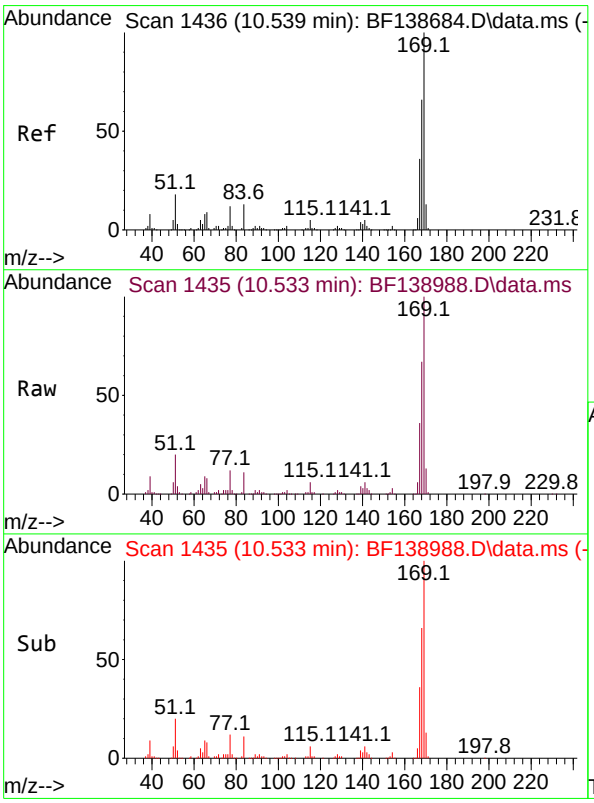
Ion	Ratio	Lower	Upper
198	100		
51	66.3	39.9	79.9
105	46.5	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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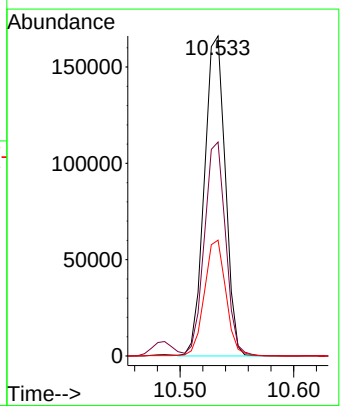
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

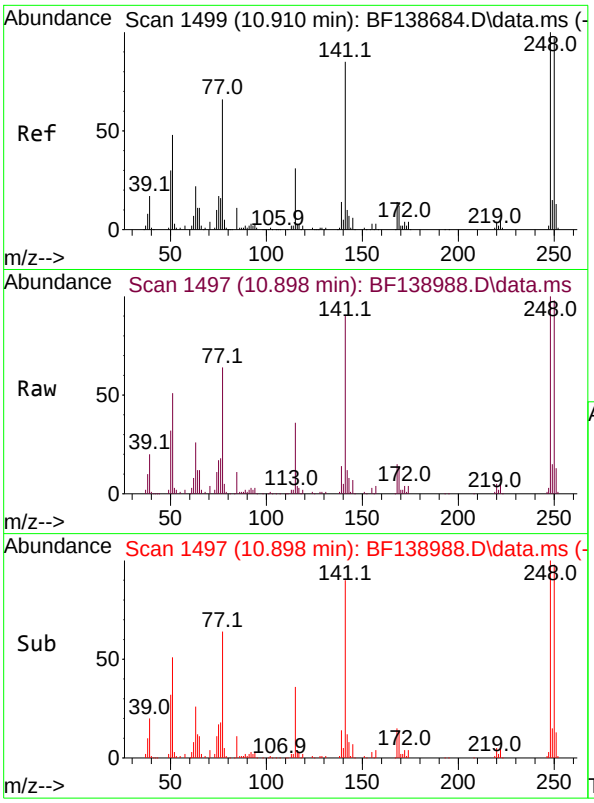


#66
n-Nitrosodiphenylamine
Concen: 39.795 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:169 Resp: 212563

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.2	29.0	43.6

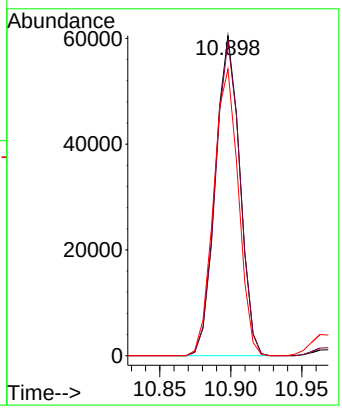




#67
4-Bromophenyl-phenylether
Concen: 39.102 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:248 Resp: 7234

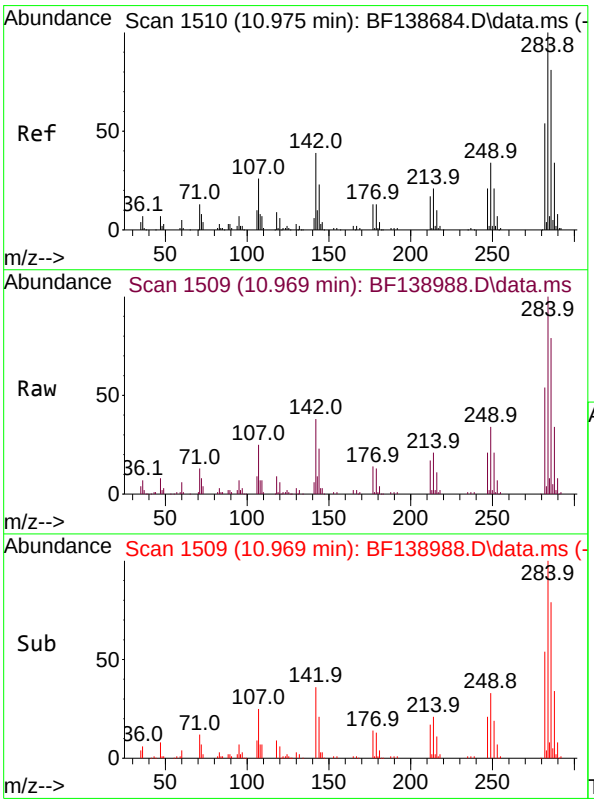
Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.7	116.5
141	89.6	68.0	102.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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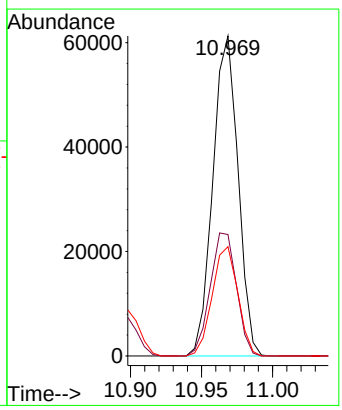
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

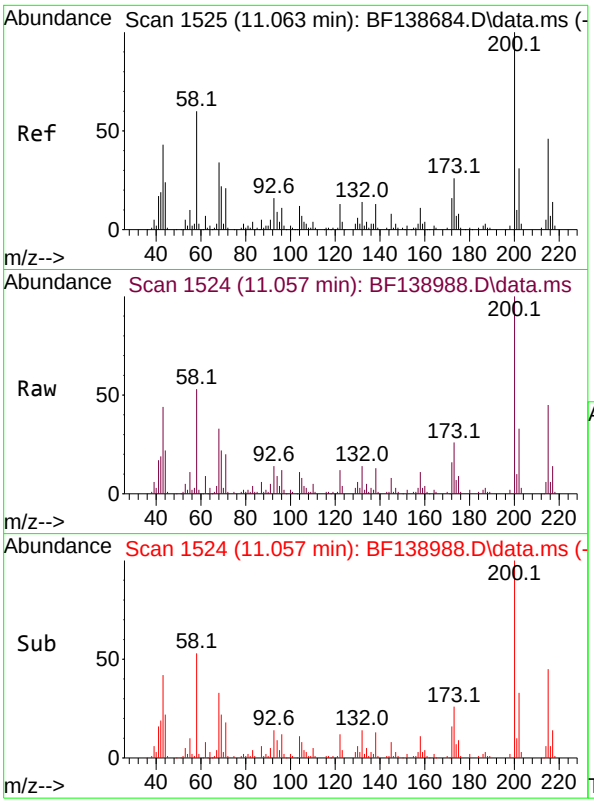


#68
Hexachlorobenzene
Concen: 39.584 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:284 Resp: 75615

Ion	Ratio	Lower	Upper
284	100		
142	38.0	31.3	46.9
249	34.2	27.2	40.8

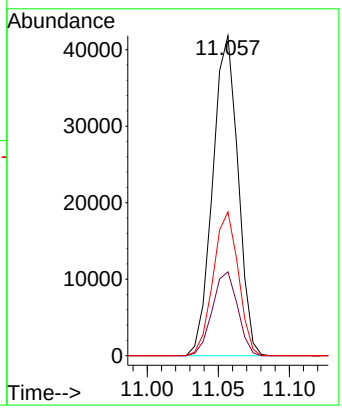




#69
Atrazine
Concen: 37.660 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:200 Resp: 5189

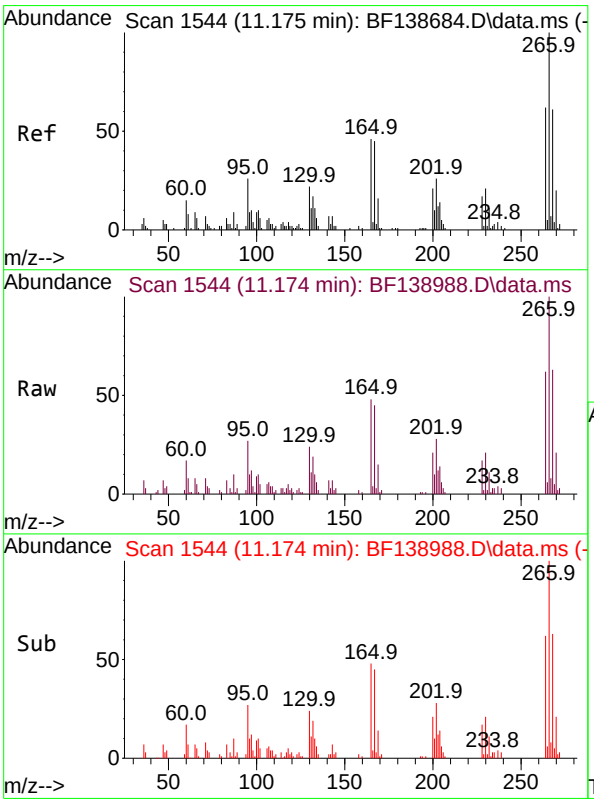
Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.0	46.0
215	45.0	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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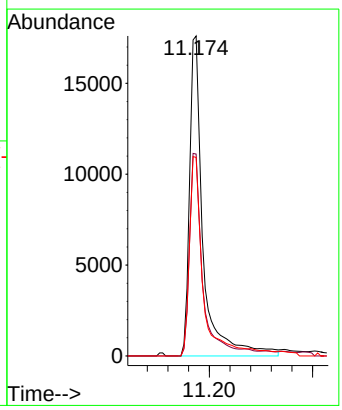
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

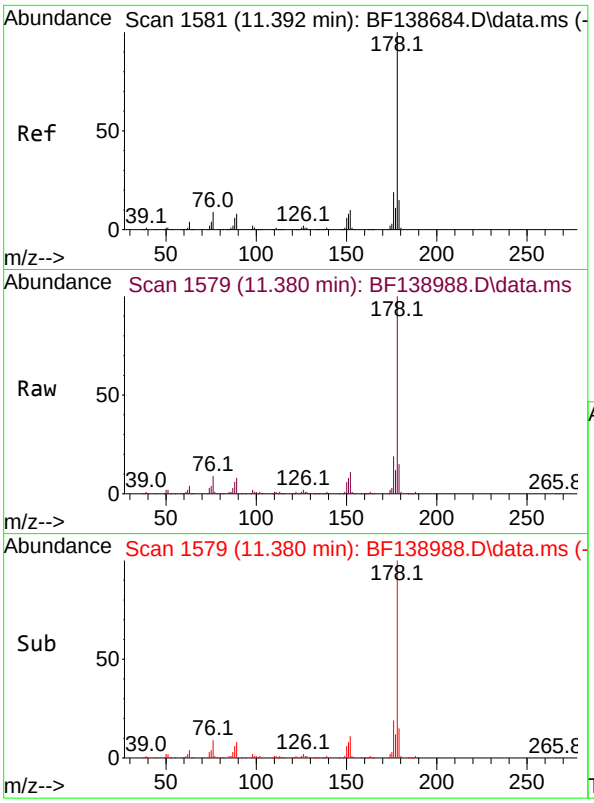


#70
Pentachlorophenol
Concen: 37.365 ng
RT: 11.174 min Scan# 1544
Delta R.T. -0.001 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:266 Resp: 32173

Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.2	73.8
264	62.1	49.8	74.6

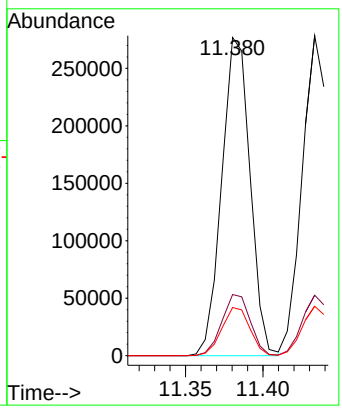




#71
Phenanthrene
Concen: 40.041 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:178 Resp: 35232

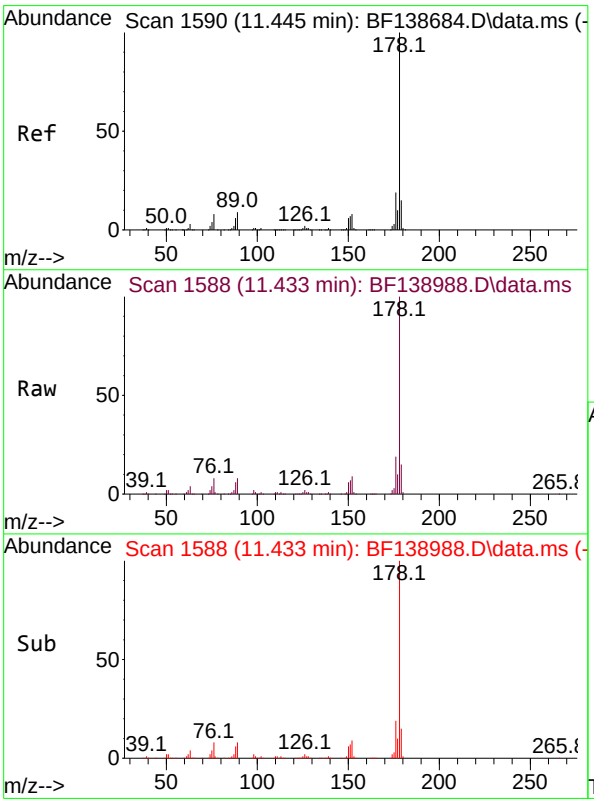
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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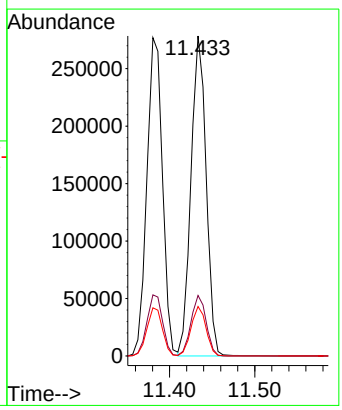
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

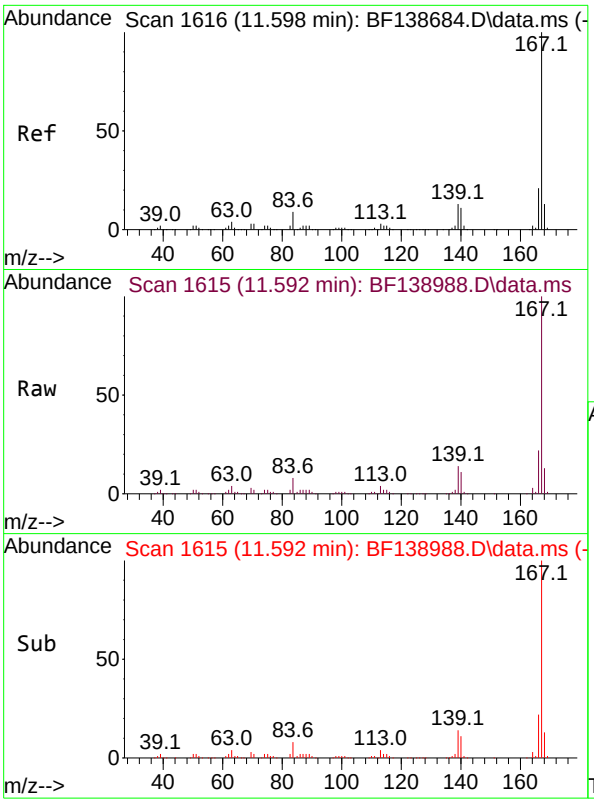


#72
Anthracene
Concen: 39.749 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:178 Resp: 344553

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.4	12.4	18.6

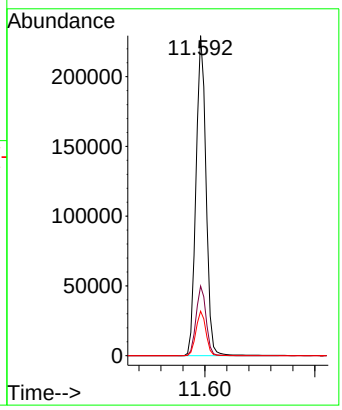




#73
Carbazole
Concen: 38.844 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:167 Resp: 29049

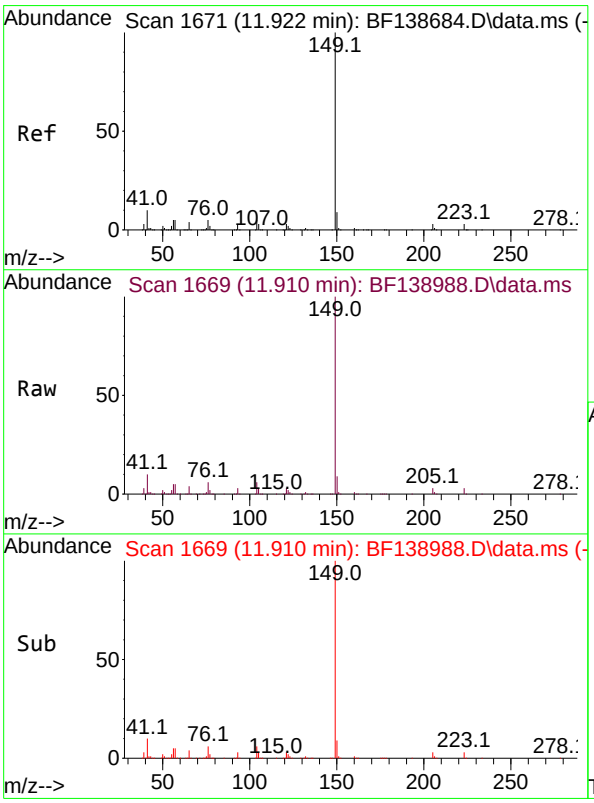
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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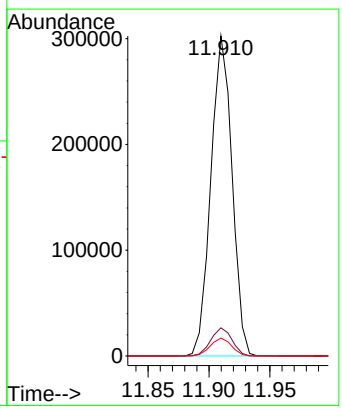
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

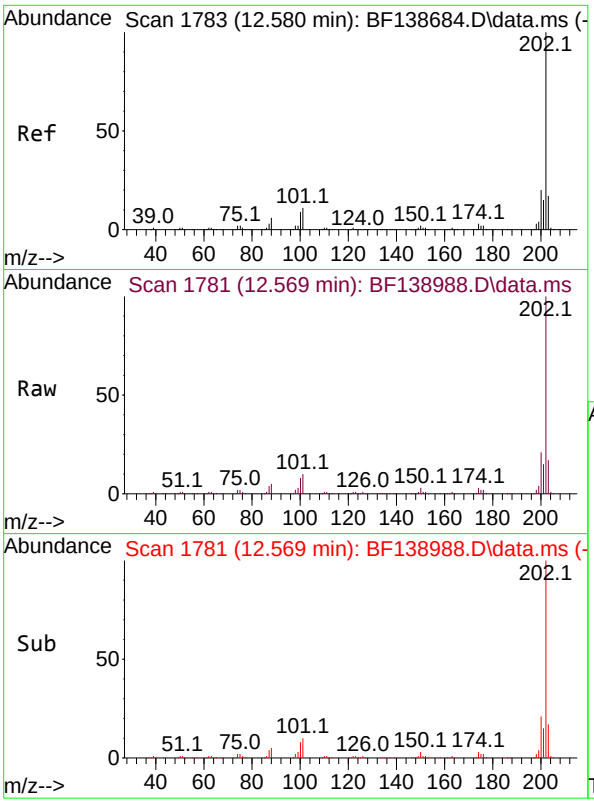


#74
Di-n-butylphthalate
Concen: 43.590 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:149 Resp: 366466

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.0
104	5.6	4.1	6.1





#75
Fluoranthene
Concen: 38.894 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

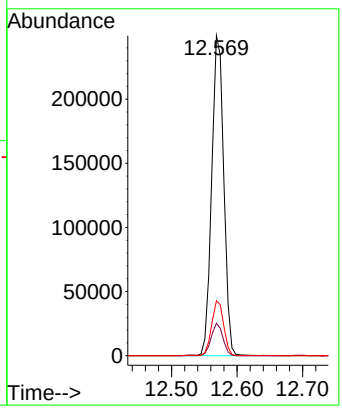
Tgt Ion:202 Resp: 31949

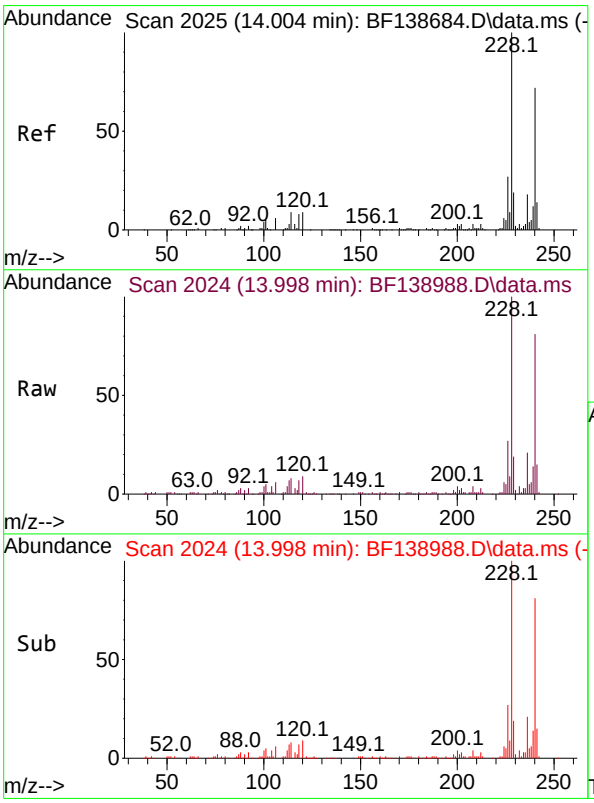
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.2
203	17.2	0.0	37.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

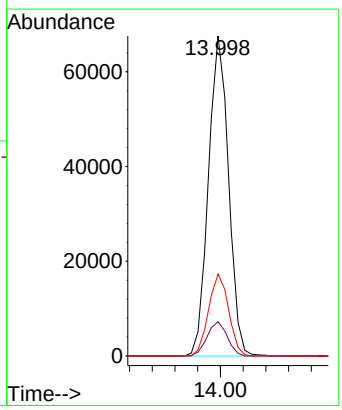


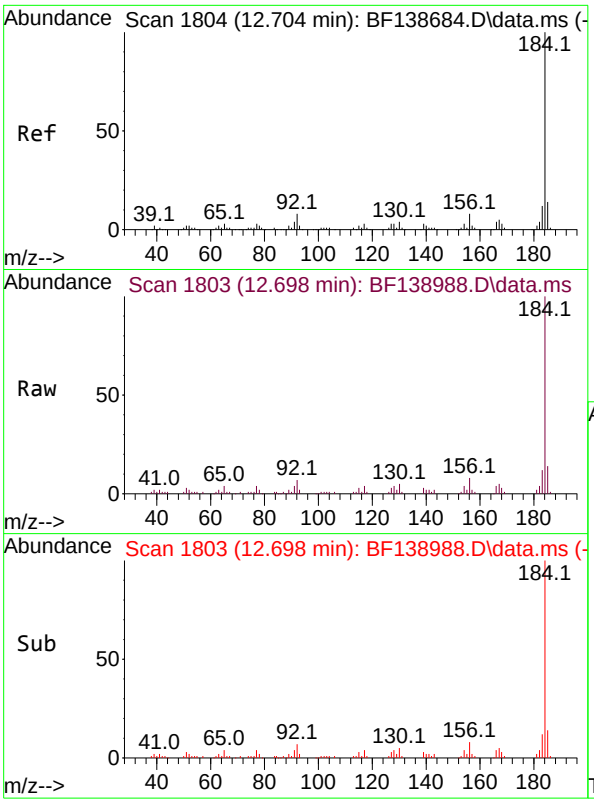


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:240 Resp: 83079

Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.2	15.4
236	25.6	19.8	29.8

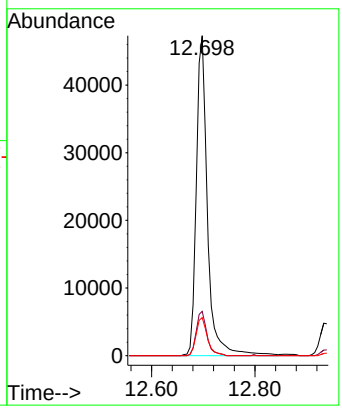




#77
Benzidine
Concen: 35.583 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:184 Resp: 7070

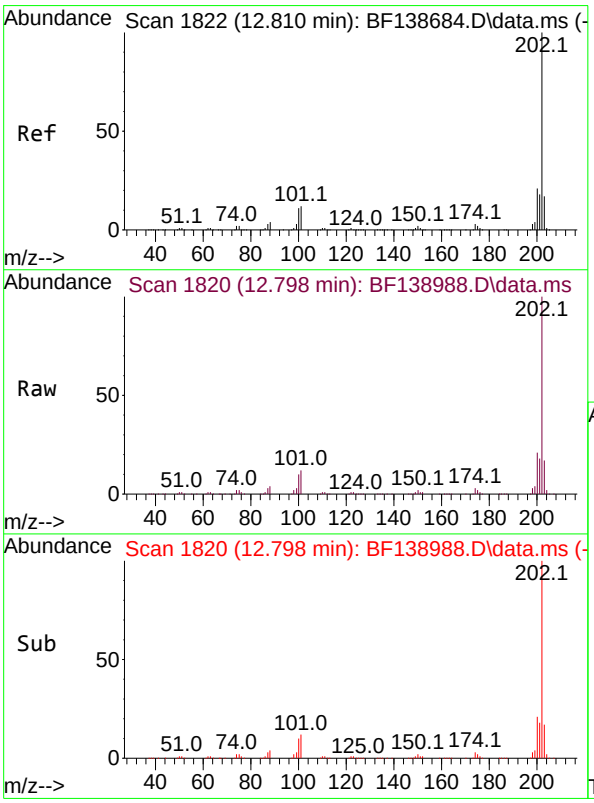
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.1	16.7
183	11.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

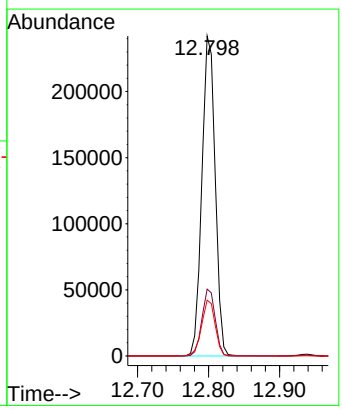
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

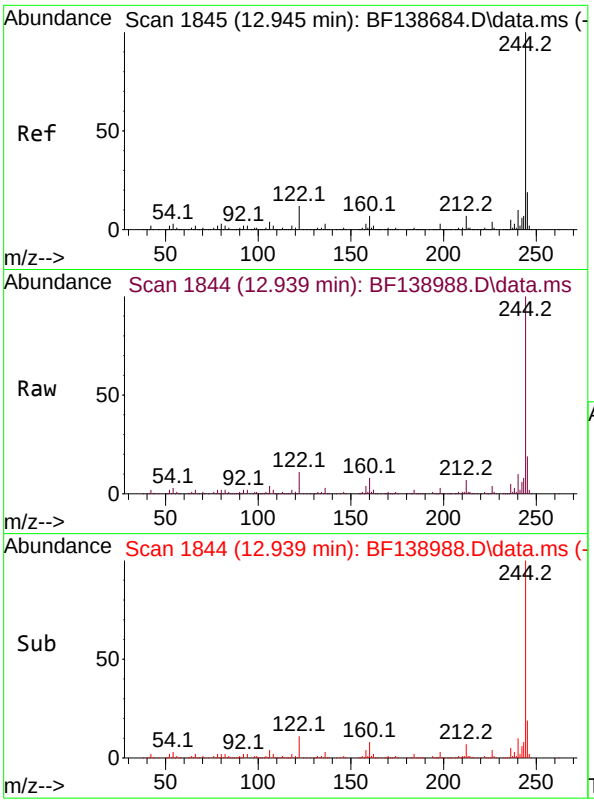


#78
Pyrene
Concen: 40.426 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:202 Resp: 316221

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.4	13.8	20.6

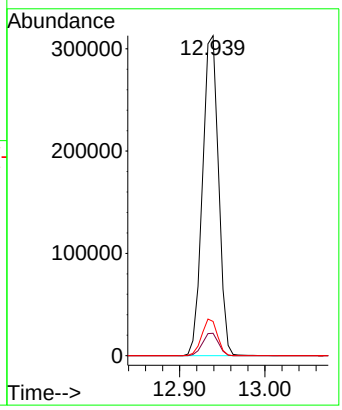




#79
Terphenyl-d14
Concen: 82.278 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:244 Resp: 40827

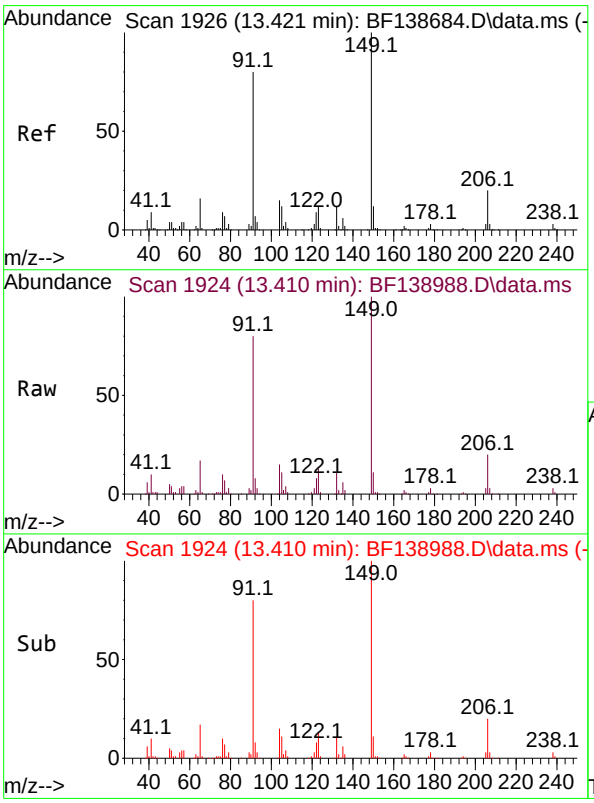
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.7	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

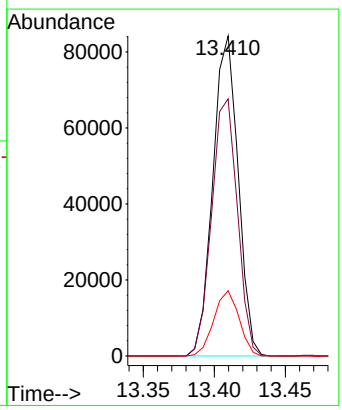
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

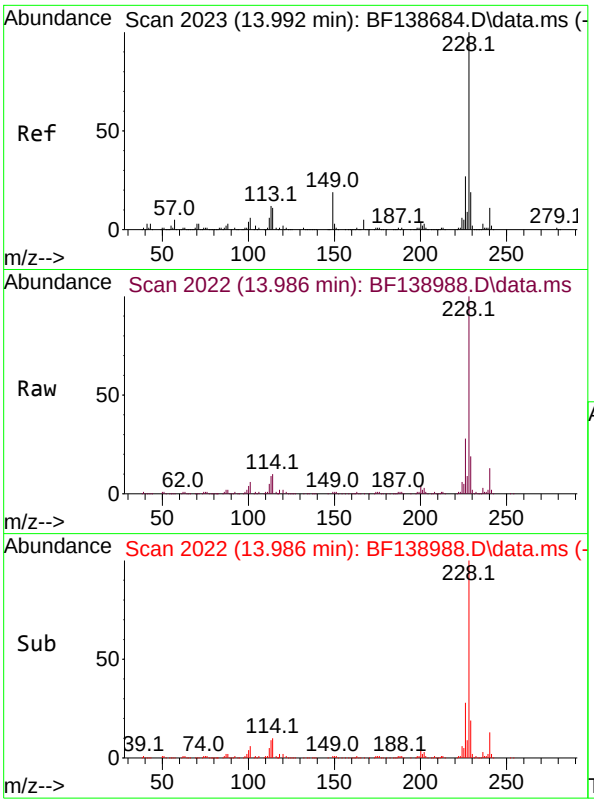


#80
Butylbenzylphthalate
Concen: 41.563 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:149 Resp: 104111

Ion	Ratio	Lower	Upper
149	100		
91	80.4	63.7	95.5
206	20.4	16.2	24.2

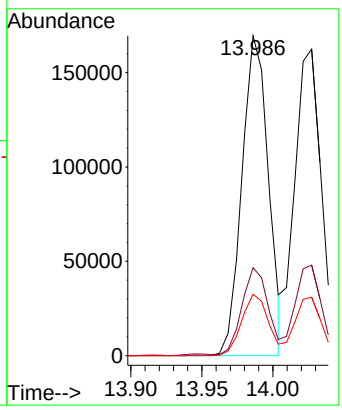




#81
Benzo(a)anthracene
Concen: 38.218 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:228 Resp: 21864

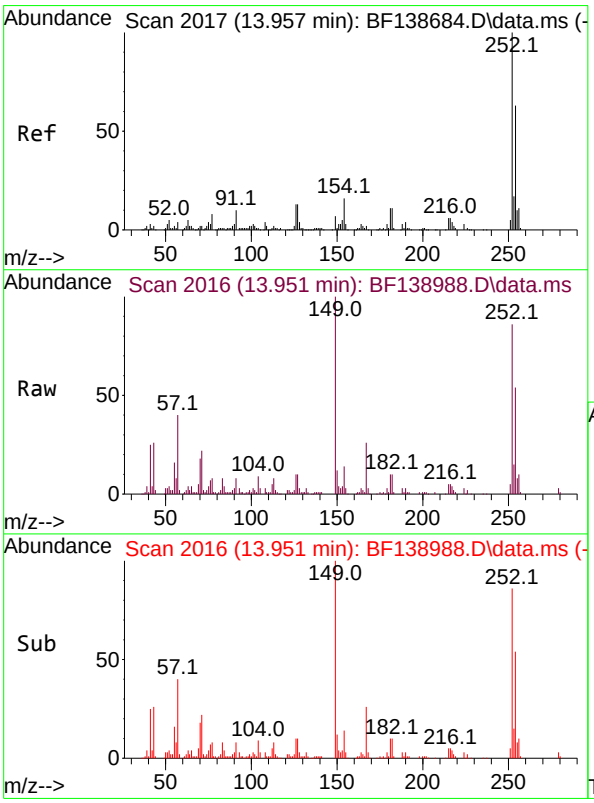
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	19.2	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

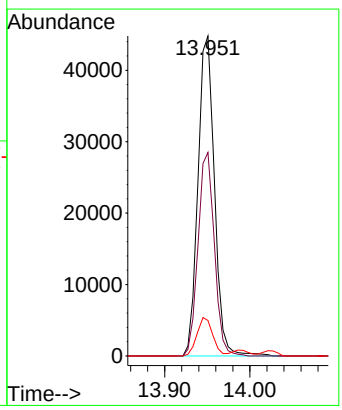
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

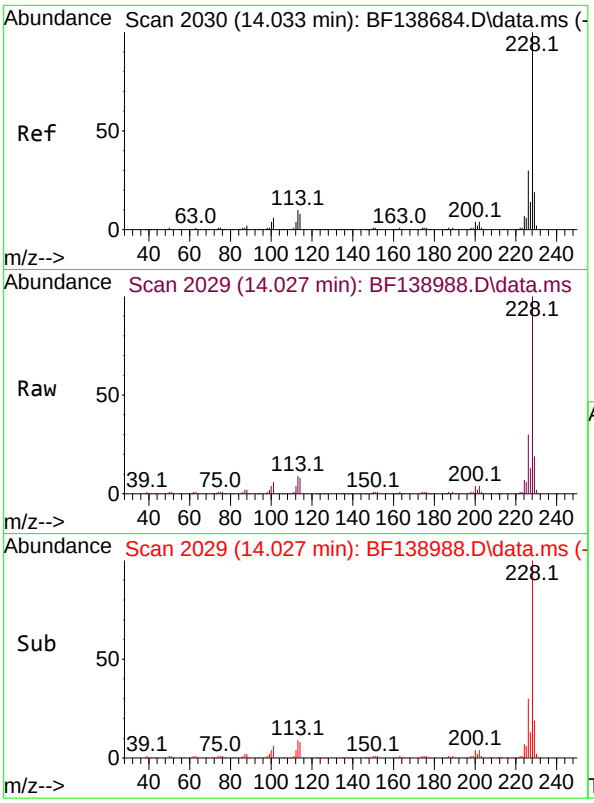


#82
3,3'-Dichlorobenzidine
Concen: 41.184 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:252 Resp: 60294

Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.8	76.2
126	11.1	10.2	15.2

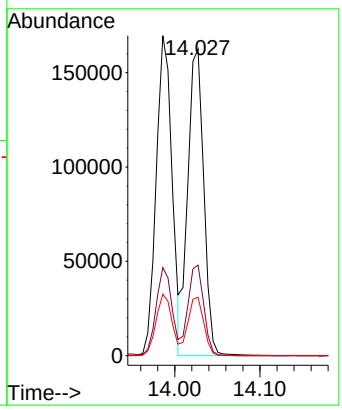




#83
Chrysene
Concen: 41.069 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:228 Resp: 21197

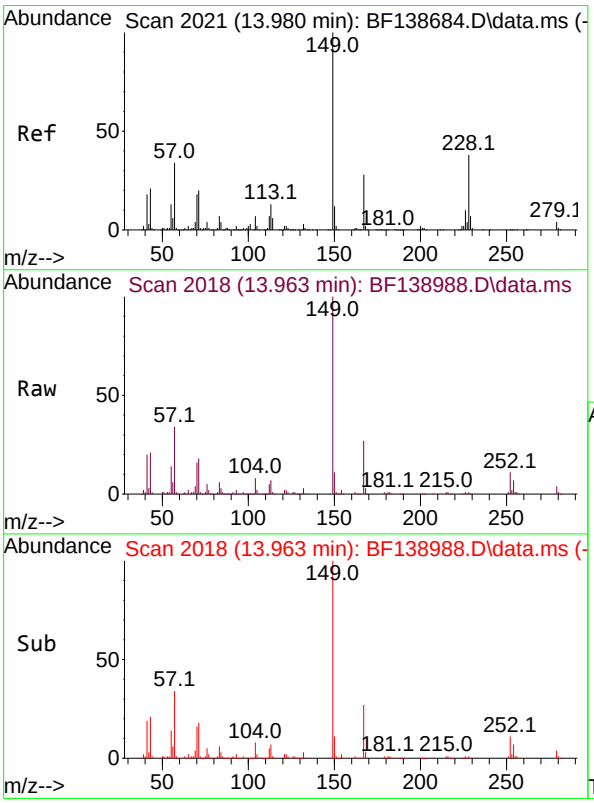
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.1	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

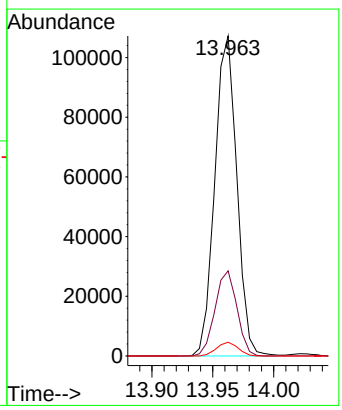
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

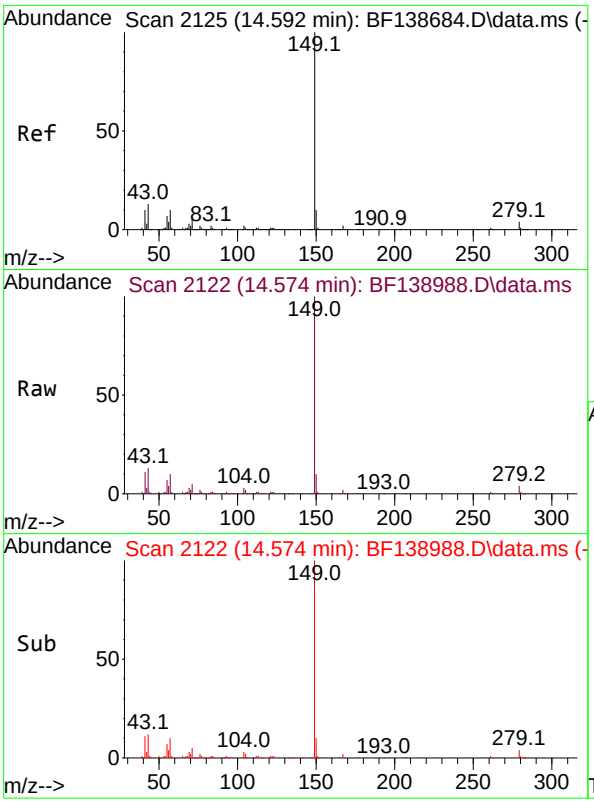


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.776 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:149 Resp: 134893

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: 33.003 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

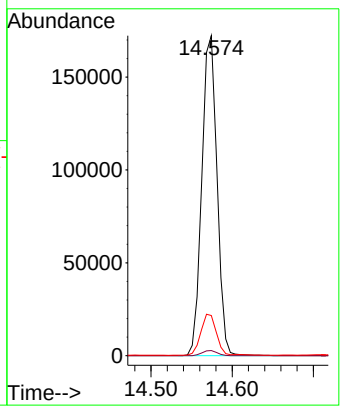
Tgt Ion:149 Resp: 223969

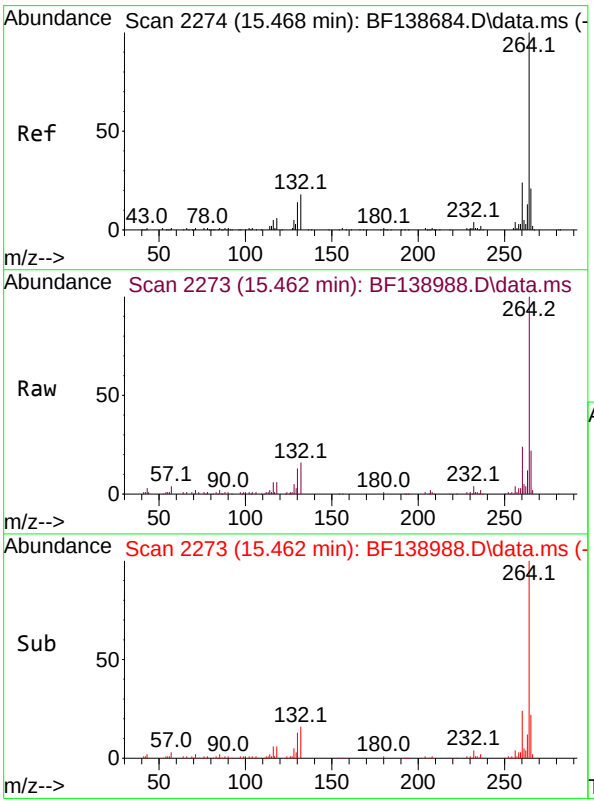
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.2	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

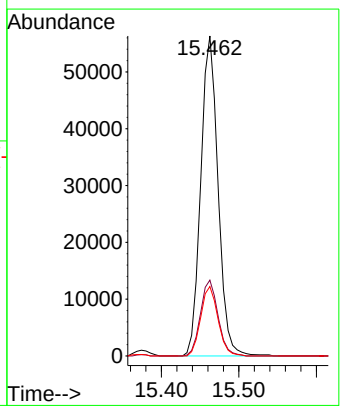


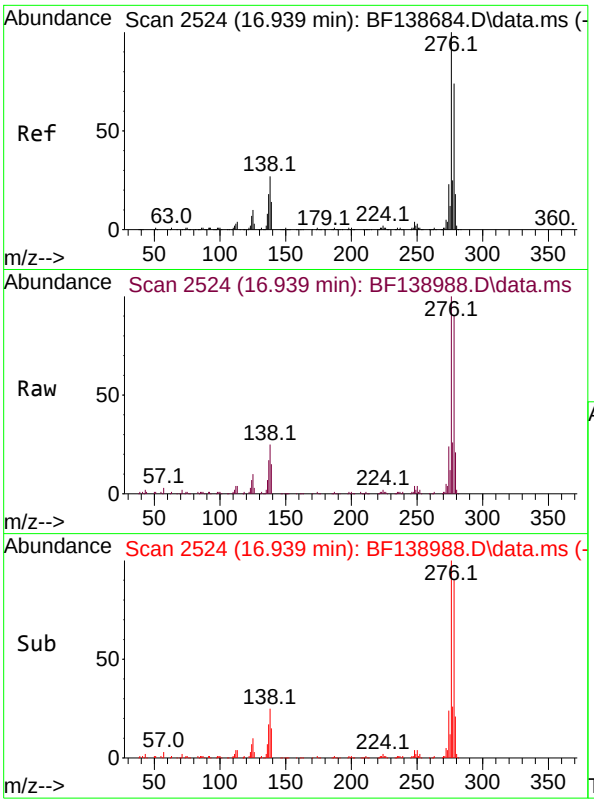


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:264 Resp: 87305

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.7	17.0	25.6

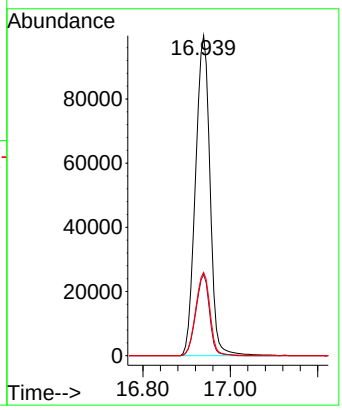




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.769 ng
RT: 16.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:276 Resp: 23005

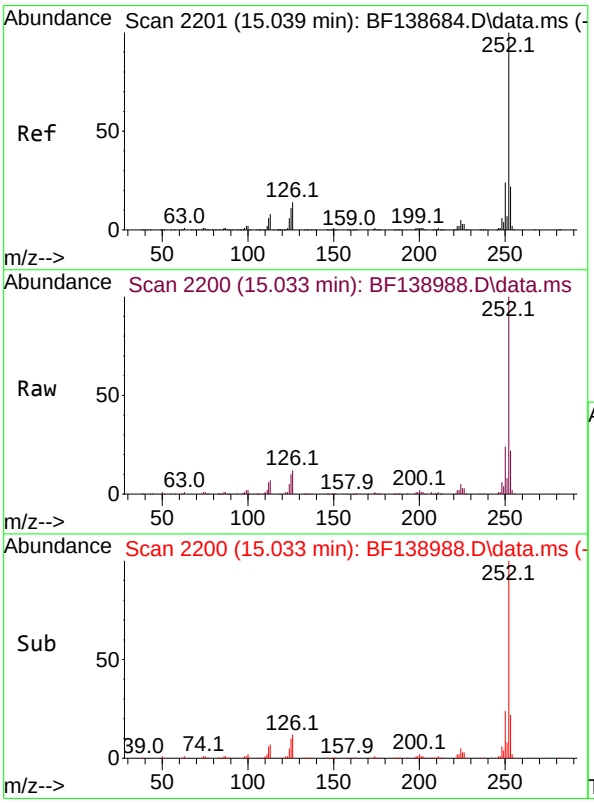
Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.8	32.8
277	25.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

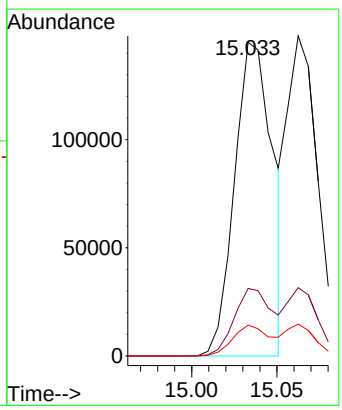
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

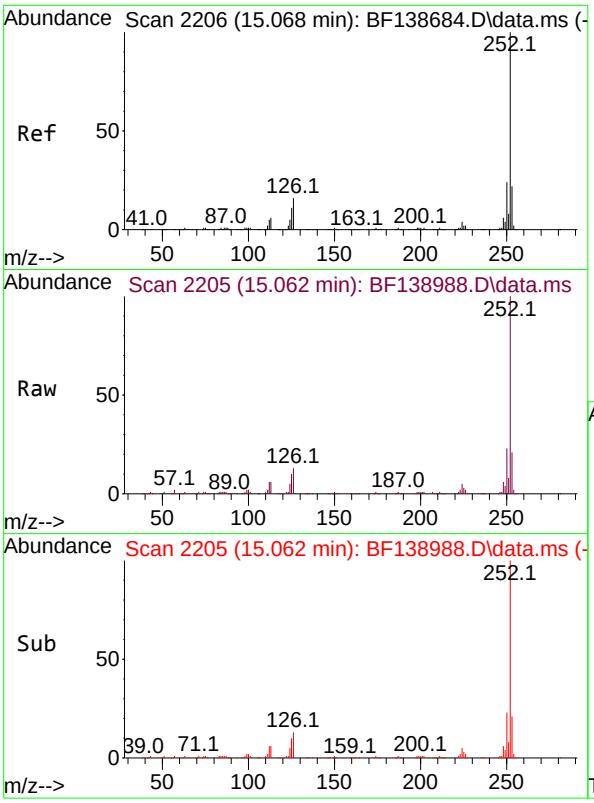


#88
Benzo(b)fluoranthene
Concen: 41.706 ng
RT: 15.033 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:252 Resp: 225713

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.8	8.9	13.3

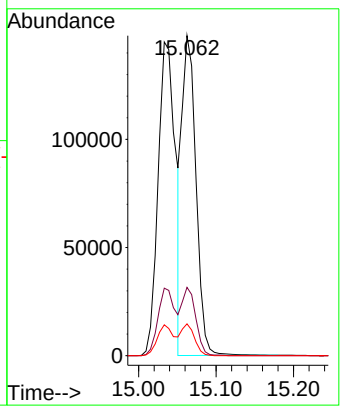




#89
Benzo(k)fluoranthene
Concen: 39.808 ng
RT: 15.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:252 Resp: 18653

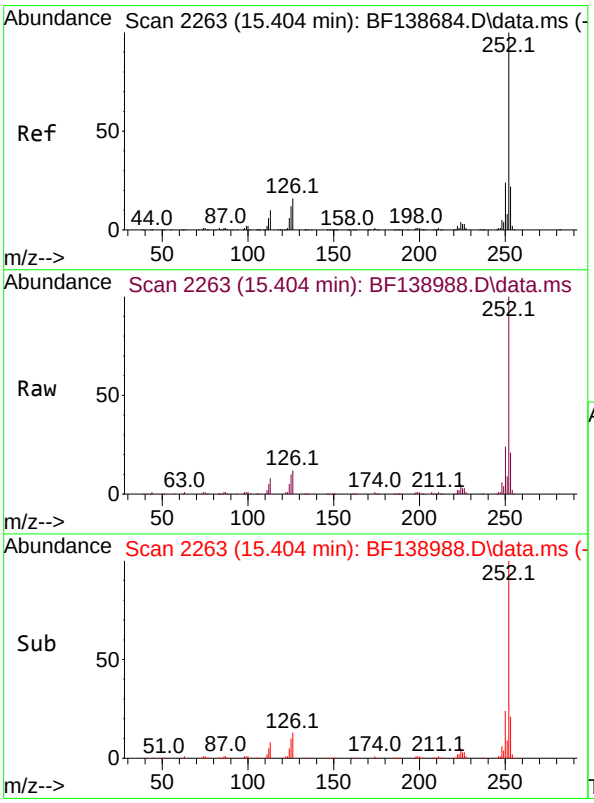
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	10.0	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

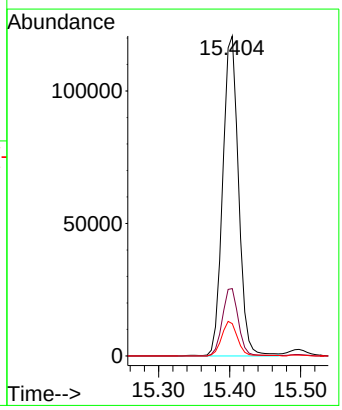
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

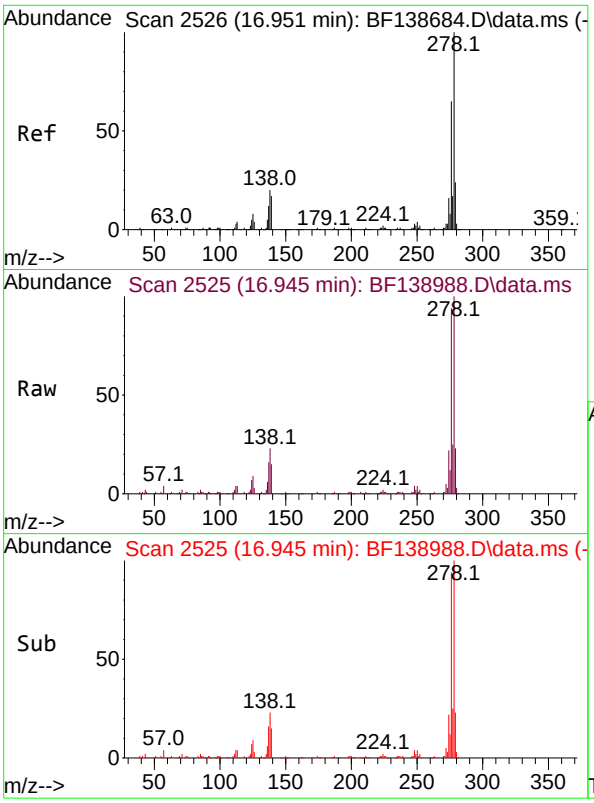


#90
Benzo(a)pyrene
Concen: 40.928 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:252 Resp: 186317

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.3	25.9
125	10.1	9.5	14.3

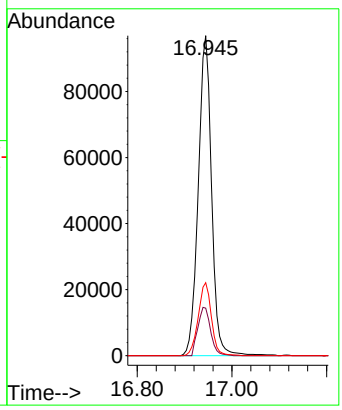




#91
Dibenzo(a,h)anthracene
Concen: 36.814 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:278 Resp: 18907

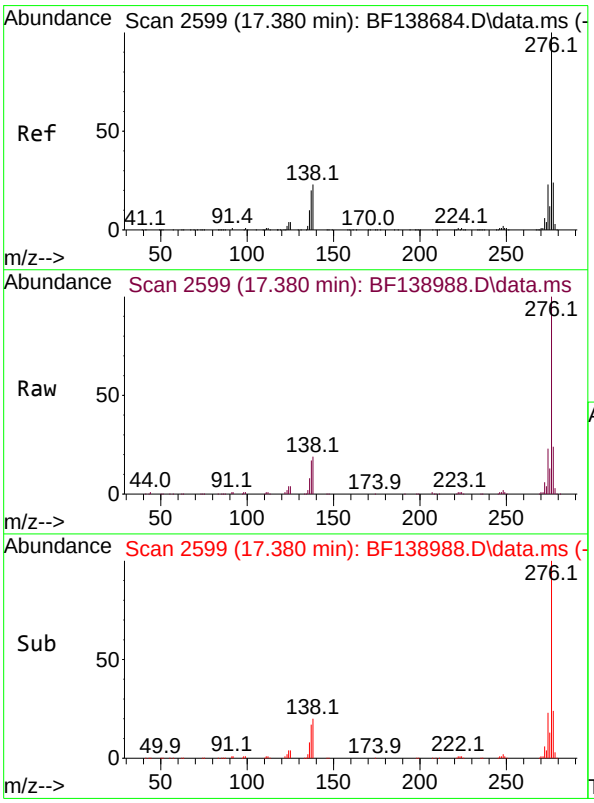
Ion	Ratio	Lower	Upper
278	100		
139	14.8	14.0	21.0
279	22.8	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

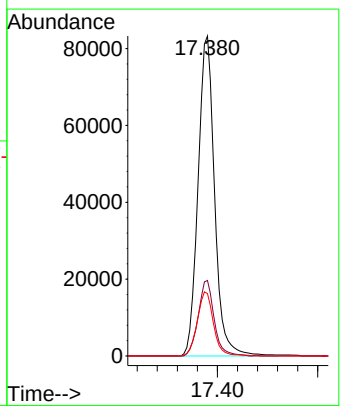
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#92
Benzo(g,h,i)perylene
Concen: 35.760 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF138988.D
Acq: 14 Aug 2024 12:03

Tgt Ion:276 Resp: 190583

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	19.5	18.5	27.7



Sample Results: **BF138988.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 12:36:19 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	0.506	10.8	56	0.00
3		Pyridine	1.374	1.276	7.1	59	0.00
4		n-Nitrosodimethylamine	0.818	0.925	-13.1	73	0.02
5	S	2-Fluorophenol	1.296	1.279	1.3	64	0.00
6		Aniline	1.551	1.483	4.4	62	0.00
7	S	Phenol-d6	1.740	1.703	2.1	65	0.00
8		2-Chlorophenol	1.363	1.341	1.6	65	0.00
9		Benzaldehyde	1.043	0.855	18.0	61	0.00
10	C	Phenol	1.832	1.763	3.8	64	0.00
11		bis(2-Chloroethyl)ether	1.409	1.274	9.6	60	-0.01
12		1,3-Dichlorobenzene	1.526	1.474	3.4	64	-0.01
13	C	1,4-Dichlorobenzene	1.540	1.520	1.3	65	0.00
14		1,2-Dichlorobenzene	1.439	1.411	1.9	64	0.00
15		Benzyl Alcohol	1.254	1.292	-3.0	68	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.134	12.0	58	-0.01
17		2-Methylphenol	1.126	1.081	4.0	63	0.00
18		Hexachloroethane	0.580	0.576	0.7	65	-0.01
19	P	n-Nitroso-di-n-propylamine	1.051	1.047	0.4	68	0.00
20		3+4-Methylphenols	1.444	1.458	-1.0	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	64	0.00
22		Acetophenone	0.490	0.526	-7.3	70	0.00
23	S	Nitrobenzene-d5	0.409	0.430	-5.1	68	0.00
24		Nitrobenzene	0.416	0.434	-4.3	67	0.00
25		Isophorone	0.699	0.701	-0.3	66	0.00
26	C	2-Nitrophenol	0.179	0.179	0.0	63	0.00
27		2,4-Dimethylphenol	0.214	0.214	0.0	64	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.404	4.9	62	0.00
29	C	2,4-Dichlorophenol	0.275	0.280	-1.8	65	0.00
30		1,2,4-Trichlorobenzene	0.318	0.321	-0.9	65	0.00
31		Naphthalene	1.053	1.057	-0.4	65	-0.01
32		Benzoic acid	0.168	0.125	25.6#	48#	0.02
33		4-Chloroaniline	0.353	0.340	3.7	63	0.00
34	C	Hexachlorobutadiene	0.192	0.205	-6.8	69	-0.01
35		Caprolactam	0.082	0.089	-8.5	73	0.00
36	C	4-Chloro-3-methylphenol	0.315	0.334	-6.0	70	0.00
37		2-Methylnaphthalene	0.665	0.681	-2.4	67	-0.01
38		1-Methylnaphthalene	0.652	0.671	-2.9	68	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	69	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.556	0.560	-0.7	70	-0.01
41	P	Hexachlorocyclopentadiene	0.120	0.104	13.3	56	-0.01
42	S	2,4,6-Tribromophenol	0.164	0.163	0.6	70	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.331	2.4	67	0.00
44		2,4,5-Trichlorophenol	0.370	0.361	2.4	67	0.00
45	S	2-Fluorobiphenyl	1.331	1.376	-3.4	72	-0.01
46		1,1'-Biphenyl	1.566	1.563	0.2	70	-0.01
47		2-Chloronaphthalene	1.165	1.143	1.9	68	0.00

Sample Results: **BF138988.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 12:36:19 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	0.418	-5.8	74	0.00
49		Acenaphthylene	1.652	1.626	1.6	68	-0.01
50		Dimethylphthalate	1.279	1.330	-4.0	74	-0.01
51		2,6-Dinitrotoluene	0.289	0.299	-3.5	71	0.00
52	C	Acenaphthene	1.111	1.101	0.9	70	-0.01
53		3-Nitroaniline	0.298	0.287	3.7	68	0.00
54	P	2,4-Dinitrophenol	0.133	0.120	9.8	65	0.00
55		Dibenzofuran	1.568	1.584	-1.0	72	-0.01
56	P	4-Nitrophenol	0.179	0.214	-19.6	84	0.01
57		2,4-Dinitrotoluene	0.368	0.393	-6.8	74	0.00
58		Fluorene	1.249	1.314	-5.2	75	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.275	2.8	69	0.00
60		Diethylphthalate	1.213	1.324	-9.2	79	0.00
61		4-Chlorophenyl-phenylether	0.614	0.637	-3.7	74	-0.01
62		4-Nitroaniline	0.284	0.283	0.4	71	0.00
63		Azobenzene	1.345	1.362	-1.3	72	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	75	-0.01
65		4,6-Dinitro-2-methylphenol	0.122	0.113	7.4	68	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.622	0.5	74	0.00
67		4-Bromophenyl-phenylether	0.217	0.212	2.3	73	-0.01
68		Hexachlorobenzene	0.224	0.221	1.3	76	0.00
69		Atrazine	0.161	0.152	5.6	70	0.00
70	C	Pentachlorophenol	0.101	0.094	6.9	69	0.00
71		Phenanthrene	1.030	1.031	-0.1	76	-0.01
72		Anthracene	1.015	1.008	0.7	76	-0.01
73		Carbazole	0.875	0.850	2.9	73	0.00
74		Di-n-butylphthalate	0.984	1.072	-8.9	81	-0.01
75	C	Fluoranthene	0.961	0.935	2.7	73	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	66	0.00
77		Benzidine	0.478	0.426	10.9	52	0.00
78		Pyrene	1.883	1.903	-1.1	72	-0.01
79	S	Terphenyl-d14	1.195	1.229	-2.8	73	0.00
80		Butylbenzylphthalate	0.603	0.627	-4.0	66	-0.01
81		Benzo(a)anthracene	1.377	1.316	4.4	62	0.00
82		3,3'-Dichlorobenzidine	0.352	0.363	-3.1	67	0.00
83		Chrysene	1.243	1.276	-2.7	69	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.812	8.0	56	-0.02
85	c	Di-n-octyl phthalate	1.634	1.348	17.5	51	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	58	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.318	8.0	54	0.00
88		Benzo(b)fluoranthene	1.240	1.293	-4.3	61	0.00
89		Benzo(k)fluoranthene	1.073	1.068	0.5	61	0.00
90	C	Benzo(a)pyrene	1.043	1.067	-2.3	60	0.00
91		Dibenzo(a,h)anthracene	1.177	1.083	8.0	55	0.00
92		Benzo(g,h,i)perylene	1.221	1.091	10.6	52	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 12:36:19 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

Sample Results: **BF138988.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 12:36:19 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	35.669	10.8	56	0.00
3		Pyridine	40.000	37.156	7.1	59	0.00
4		n-Nitrosodimethylamine	40.000	45.210	-13.0	73	0.02
5	S	2-Fluorophenol	80.000	78.978	1.3	64	0.00
6		Aniline	40.000	38.250	4.4	62	0.00
7	S	Phenol-d6	80.000	78.311	2.1	65	0.00
8		2-Chlorophenol	40.000	39.344	1.6	65	0.00
9		Benzaldehyde	40.000	32.783	18.0	61	0.00
10	C	Phenol	40.000	38.514	3.7	64	0.00
11		bis(2-Chloroethyl)ether	40.000	36.171	9.6	60	-0.01
12		1,3-Dichlorobenzene	40.000	38.642	3.4	64	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.481	1.3	65	0.00
14		1,2-Dichlorobenzene	40.000	39.221	1.9	64	0.00
15		Benzyl Alcohol	40.000	41.229	-3.1	68	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.200	12.0	58	-0.01
17		2-Methylphenol	40.000	38.428	3.9	63	0.00
18		Hexachloroethane	40.000	39.720	0.7	65	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	39.876	0.3	68	0.00
20		3+4-Methylphenols	40.000	40.386	-1.0	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	64	0.00
22		Acetophenone	40.000	42.932	-7.3	70	0.00
23	S	Nitrobenzene-d5	80.000	84.071	-5.1	68	0.00
24		Nitrobenzene	40.000	41.674	-4.2	67	0.00
25		Isophorone	40.000	40.170	-0.4	66	0.00
26	C	2-Nitrophenol	40.000	40.063	-0.2	63	0.00
27		2,4-Dimethylphenol	40.000	39.859	0.4	64	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.016	5.0	62	0.00
29	C	2,4-Dichlorophenol	40.000	40.610	-1.5	65	0.00
30		1,2,4-Trichlorobenzene	40.000	40.354	-0.9	65	0.00
31		Naphthalene	40.000	40.153	-0.4	65	-0.01
32		Benzoic acid	40.000	29.736	25.7#	48	0.02
33		4-Chloroaniline	40.000	38.457	3.9	63	0.00
34	C	Hexachlorobutadiene	40.000	42.681	-6.7	69	-0.01
35		Caprolactam	40.000	43.423	-8.6	73	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.436	-6.1	70	0.00
37		2-Methylnaphthalene	40.000	40.974	-2.4	67	-0.01
38		1-Methylnaphthalene	40.000	41.175	-2.9	68	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	69	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.349	-0.9	70	-0.01
41	P	Hexachlorocyclopentadiene	40.000	32.674	18.3	56	-0.01
42	S	2,4,6-Tribromophenol	80.000	79.472	0.7	70	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.096	2.3	67	0.00
44		2,4,5-Trichlorophenol	40.000	38.990	2.5	67	0.00
45	S	2-Fluorobiphenyl	80.000	82.676	-3.3	72	-0.01
46		1,1'-Biphenyl	40.000	39.920	0.2	70	-0.01
47		2-Chloronaphthalene	40.000	39.241	1.9	68	0.00

Sample Results: **BF138988.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 12:36:19 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	42.361	-5.9	74	0.00
49		Acenaphthylene	40.000	39.371	1.6	68	-0.01
50		Dimethylphthalate	40.000	41.594	-4.0	74	-0.01
51		2,6-Dinitrotoluene	40.000	41.487	-3.7	71	0.00
52	C	Acenaphthene	40.000	39.648	0.9	70	-0.01
53		3-Nitroaniline	40.000	38.446	3.9	68	0.00
54	P	2,4-Dinitrophenol	40.000	36.052	9.9	65	0.00
55		Dibenzofuran	40.000	40.425	-1.1	72	-0.01
56	P	4-Nitrophenol	40.000	47.672	-19.2	84	0.01
57		2,4-Dinitrotoluene	40.000	42.640	-6.6	74	0.00
58		Fluorene	40.000	42.082	-5.2	75	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.824	2.9	69	0.00
60		Diethylphthalate	40.000	43.665	-9.2	79	0.00
61		4-Chlorophenyl-phenylether	40.000	41.474	-3.7	74	-0.01
62		4-Nitroaniline	40.000	39.940	0.2	71	0.00
63		Azobenzene	40.000	40.516	-1.3	72	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	75	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	36.964	7.6	68	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.795	0.5	74	0.00
67		4-Bromophenyl-phenylether	40.000	39.102	2.2	73	-0.01
68		Hexachlorobenzene	40.000	39.584	1.0	76	0.00
69		Atrazine	40.000	37.660	5.9	70	0.00
70	C	Pentachlorophenol	40.000	37.365	6.6	69	0.00
71		Phenanthrene	40.000	40.041	-0.1	76	-0.01
72		Anthracene	40.000	39.749	0.6	76	-0.01
73		Carbazole	40.000	38.844	2.9	73	0.00
74		Di-n-butylphthalate	40.000	43.590	-9.0	81	-0.01
75	C	Fluoranthene	40.000	38.894	2.8	73	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	66	0.00
77		Benzidine	40.000	35.583	11.0	52	0.00
78		Pyrene	40.000	40.426	-1.1	72	-0.01
79	S	Terphenyl-d14	80.000	82.278	-2.8	73	0.00
80		Butylbenzylphthalate	40.000	41.563	-3.9	66	-0.01
81		Benzo(a)anthracene	40.000	38.218	4.5	62	0.00
82		3,3'-Dichlorobenzidine	40.000	41.184	-3.0	67	0.00
83		Chrysene	40.000	41.069	-2.7	69	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.776	8.1	56	-0.02
85	c	Di-n-octyl phthalate	40.000	33.003	17.5	51	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	58	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.769	8.1	54	0.00
88		Benzo(b)fluoranthene	40.000	41.706	-4.3	61	0.00
89		Benzo(k)fluoranthene	40.000	39.808	0.5	61	0.00
90	C	Benzo(a)pyrene	40.000	40.928	-2.3	60	0.00
91		Dibenzo(a,h)anthracene	40.000	36.814	8.0	55	0.00
92		Benzo(g,h,i)perylene	40.000	35.760	10.6	52	0.00

Sample Results: **BF138988.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138988.D
Acq On : 14 Aug 2024 12:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 14 12:36:19 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

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.: P3475 SAS No.: P3475 SDG No.: P3475

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.

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

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

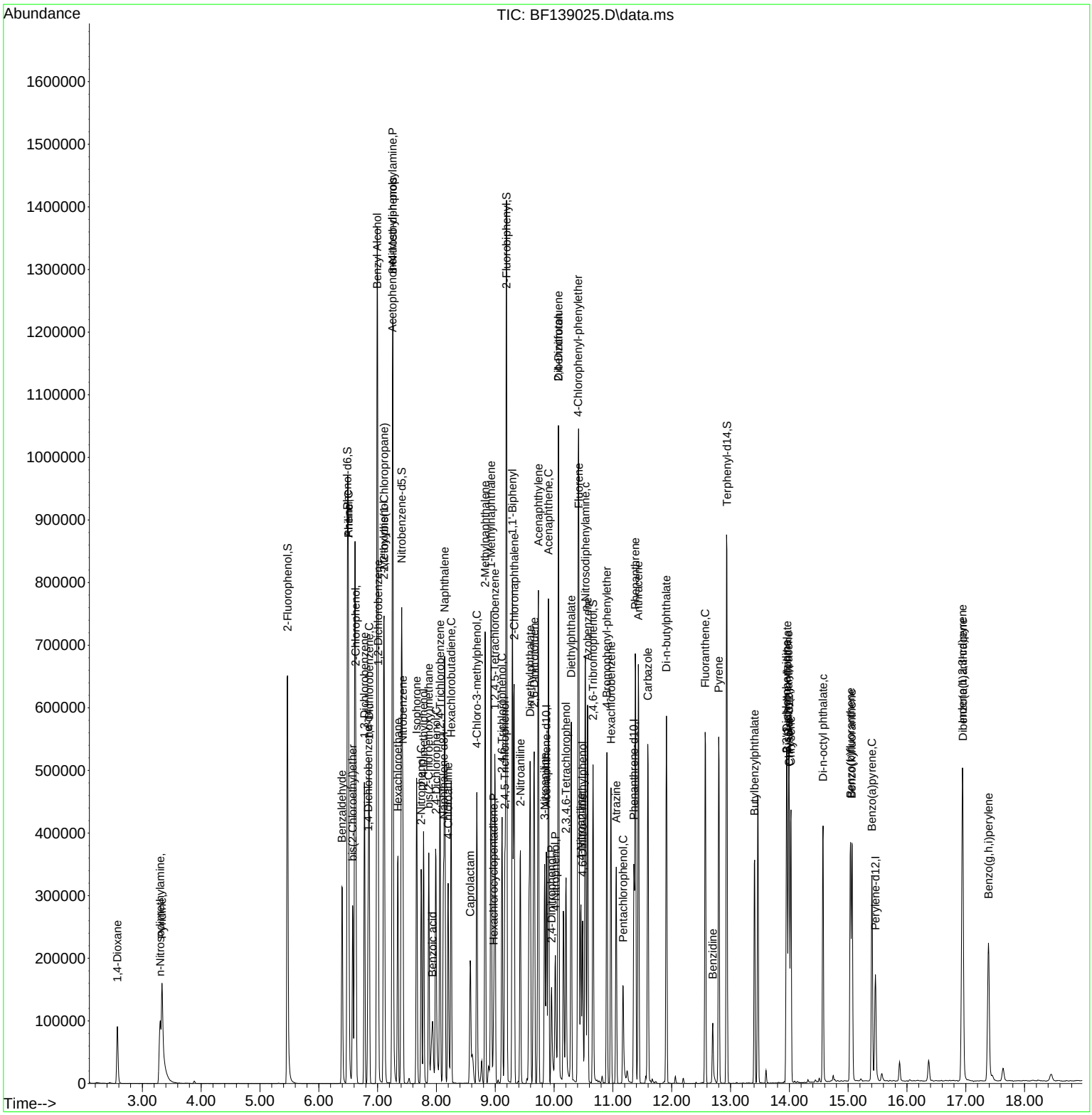
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Data File : BF139025.D
Acq On : 15 Aug 2024 16:31
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

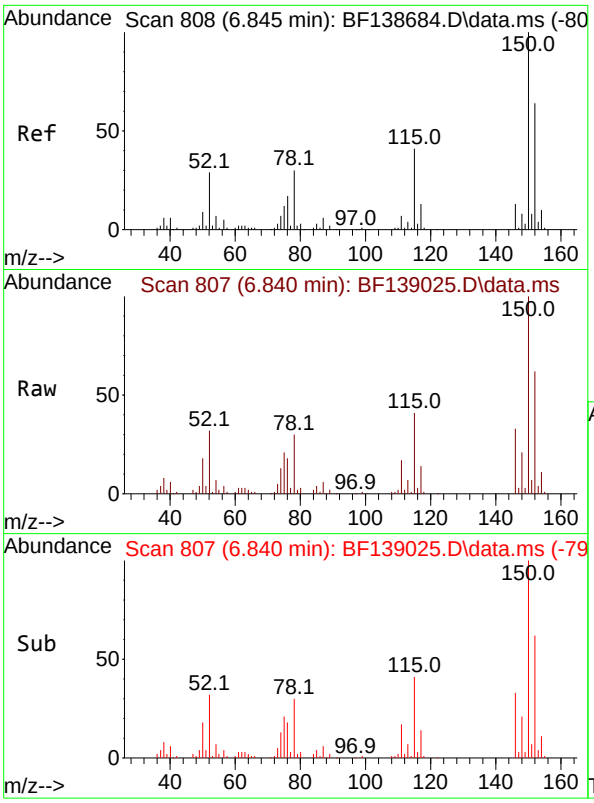
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

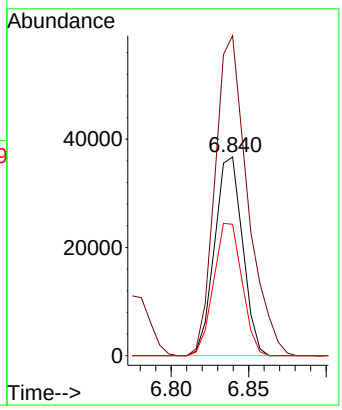




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:152 Resp: 4619

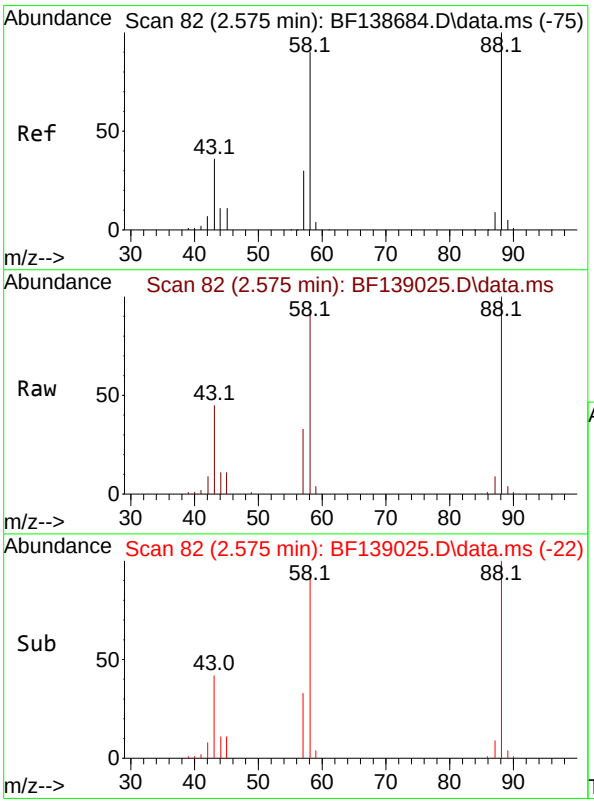
Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.0	189.0
115	66.1	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

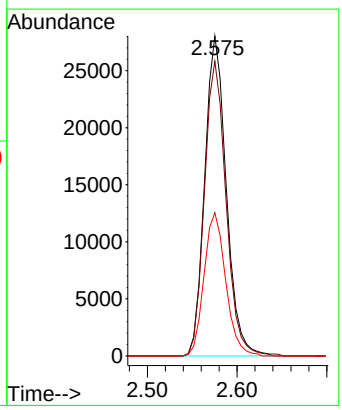
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

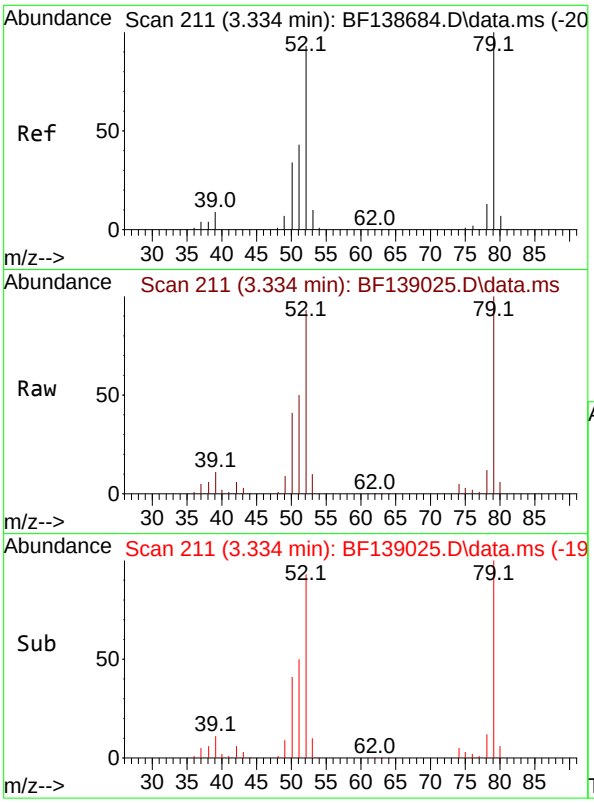


#2
1,4-Dioxane
Concen: 35.741 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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#

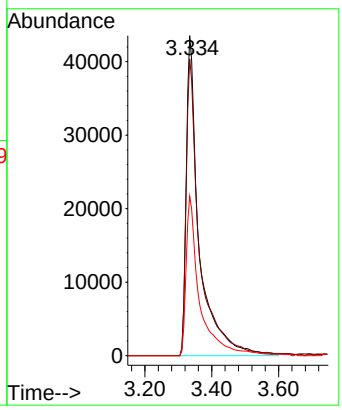




#3
Pyridine
Concen: 36.889 ng
RT: 3.334 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 79 Resp: 11708

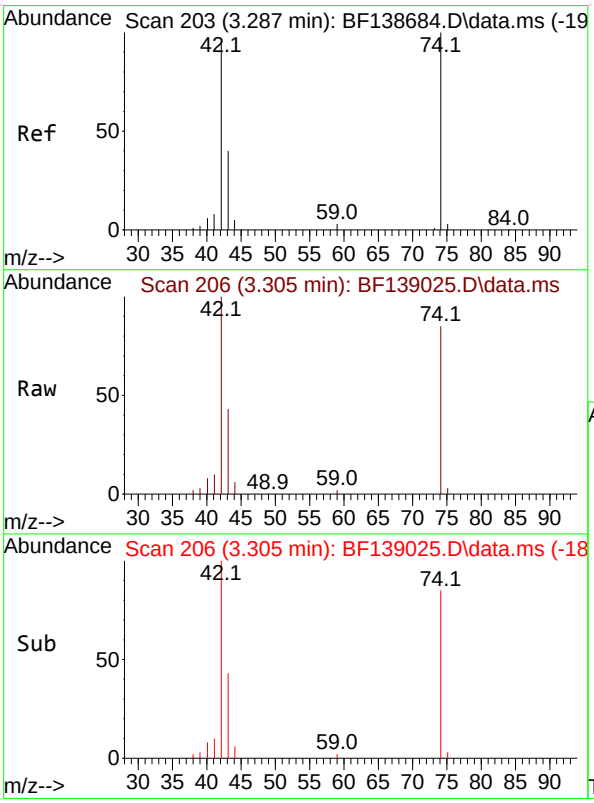
Ion	Ratio	Lower	Upper
79	100		
52	92.8	74.7	112.1
51	49.9	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

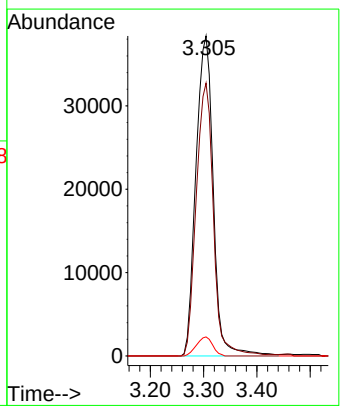
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

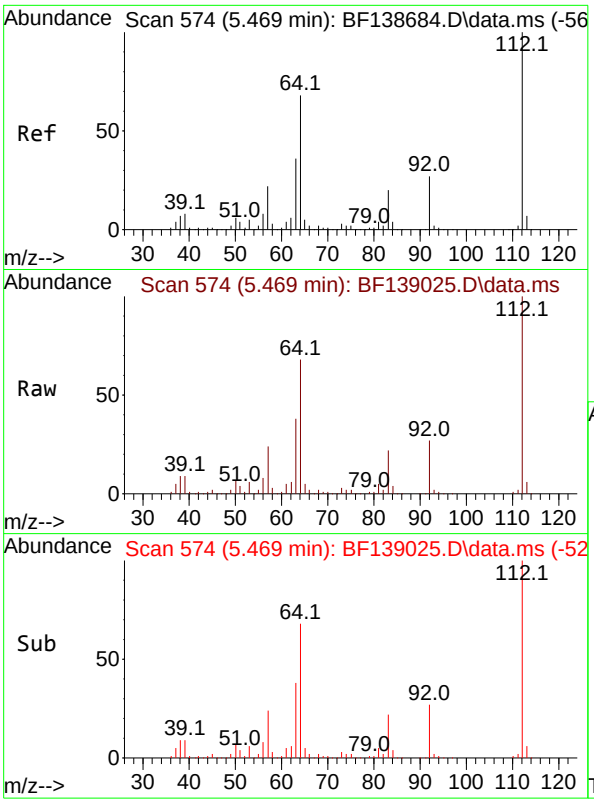


#4
n-Nitrosodimethylamine
Concen: 45.899 ng
RT: 3.305 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

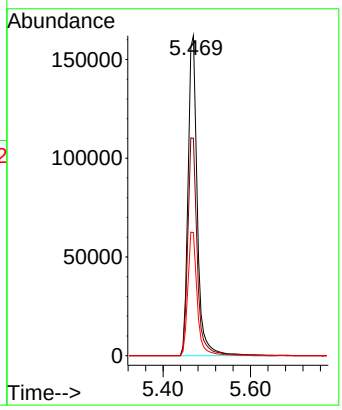




#5
2-Fluorophenol
Concen: 79.354 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:112 Resp: 23748

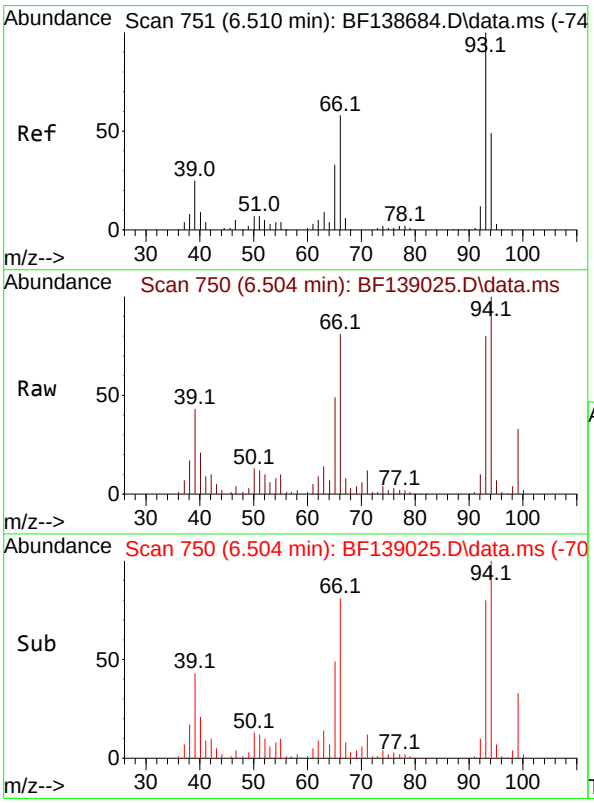
Ion	Ratio	Lower	Upper
112	100		
64	68.0	54.2	81.4
63	38.5	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

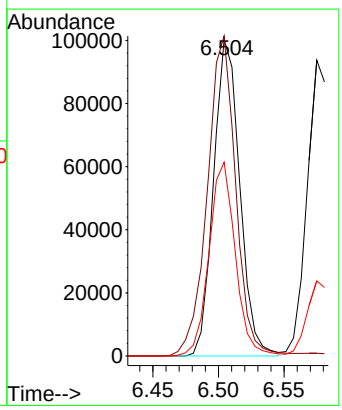
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

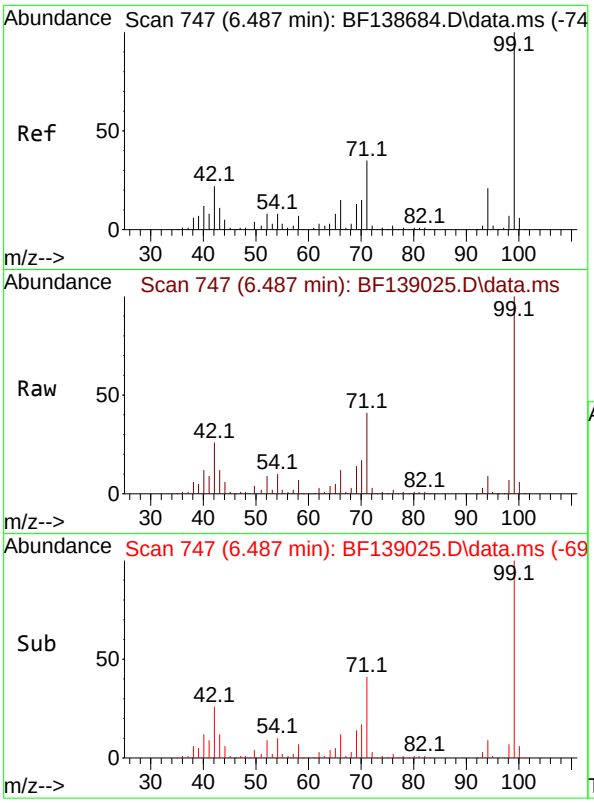


#6
Aniline
Concen: 38.755 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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#

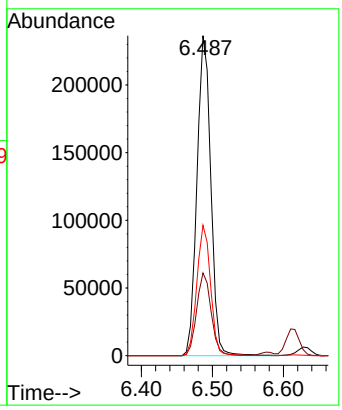




#7
Phenol-d6
Concen: 79.865 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 99 Resp: 32090

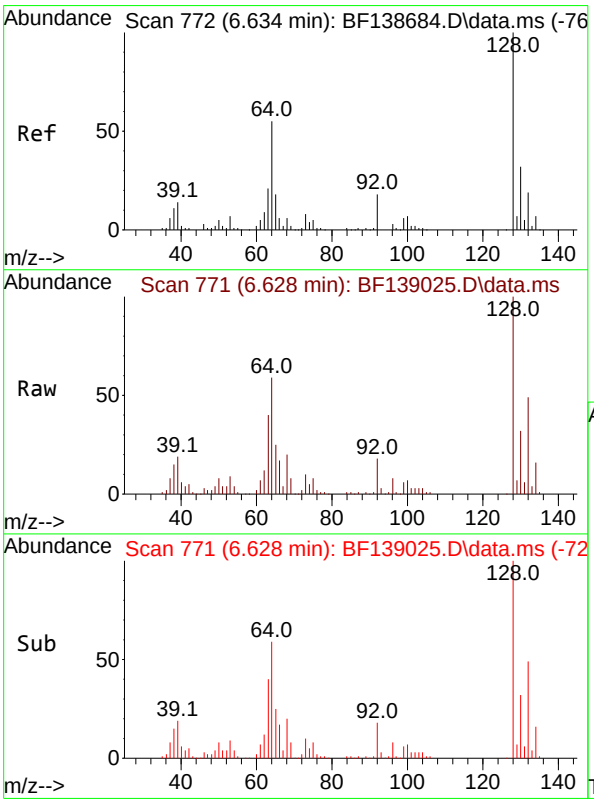
Ion	Ratio	Lower	Upper
99	100		
42	25.9	17.4	26.0
71	40.7	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

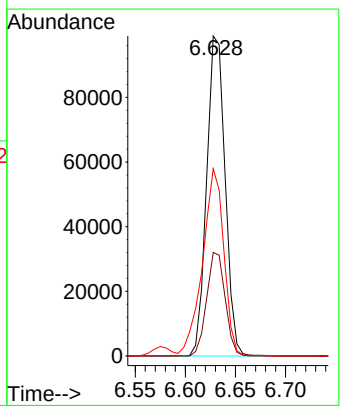
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

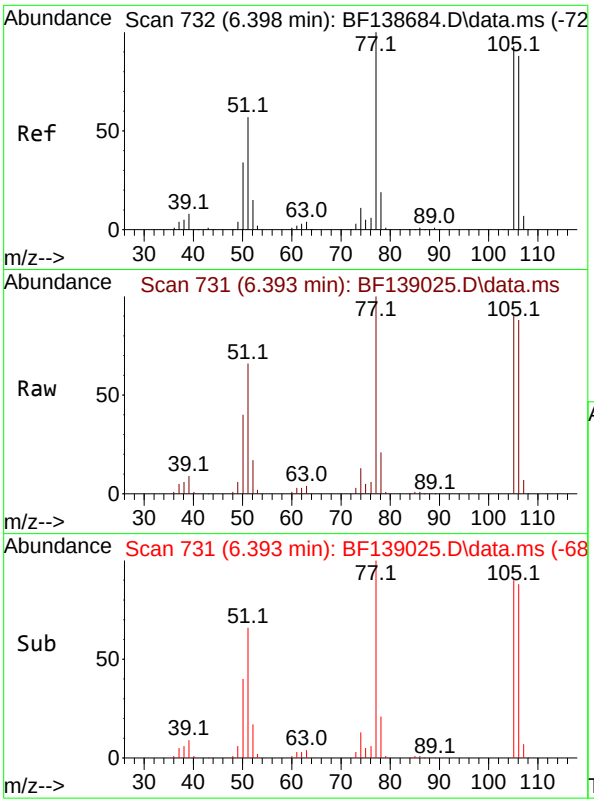


#8
2-Chlorophenol
Concen: 40.385 ng
RT: 6.628 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

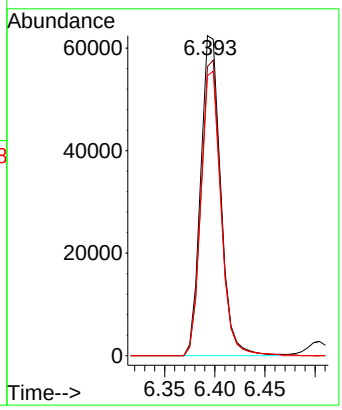
Tgt Ion: 77 Resp: 8695

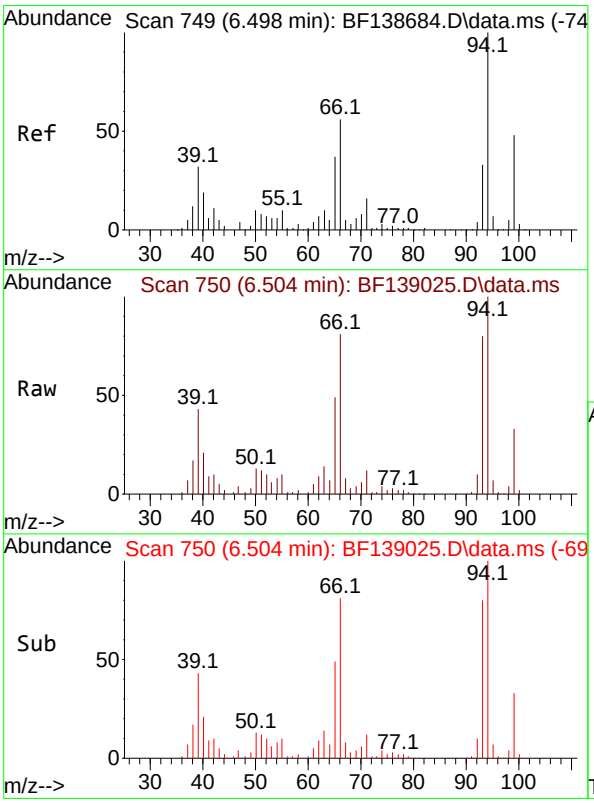
Ion	Ratio	Lower	Upper
77	100		
105	90.3	72.9	112.9
106	87.5	68.4	108.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

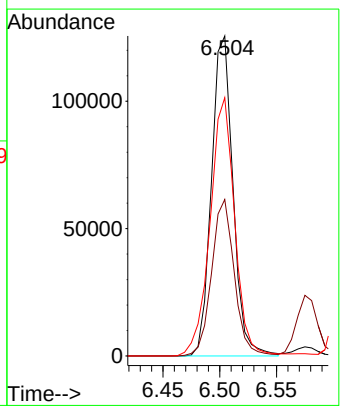


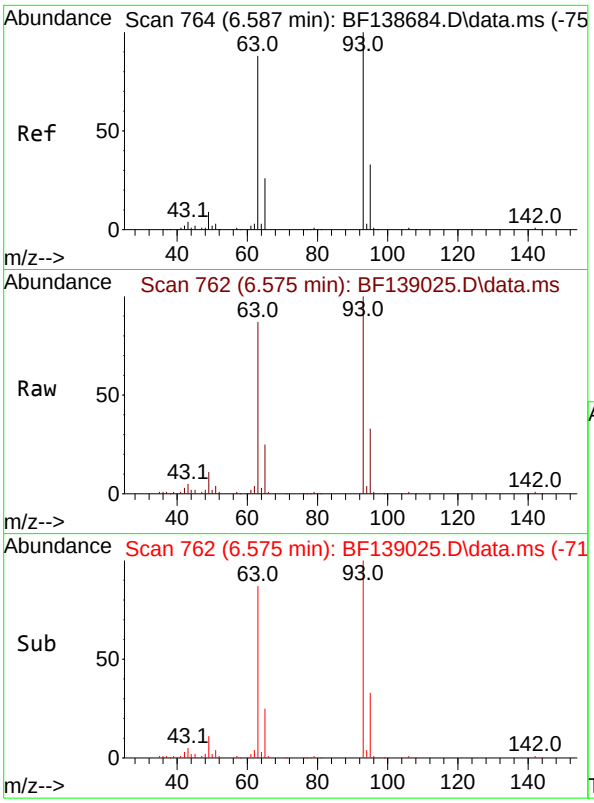


#10
Phenol
Concen: 39.123 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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#

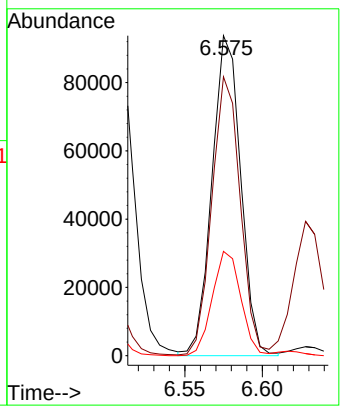




#11
bis(2-Chloroethyl)ether
Concen: 37.146 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 93 Resp: 12093

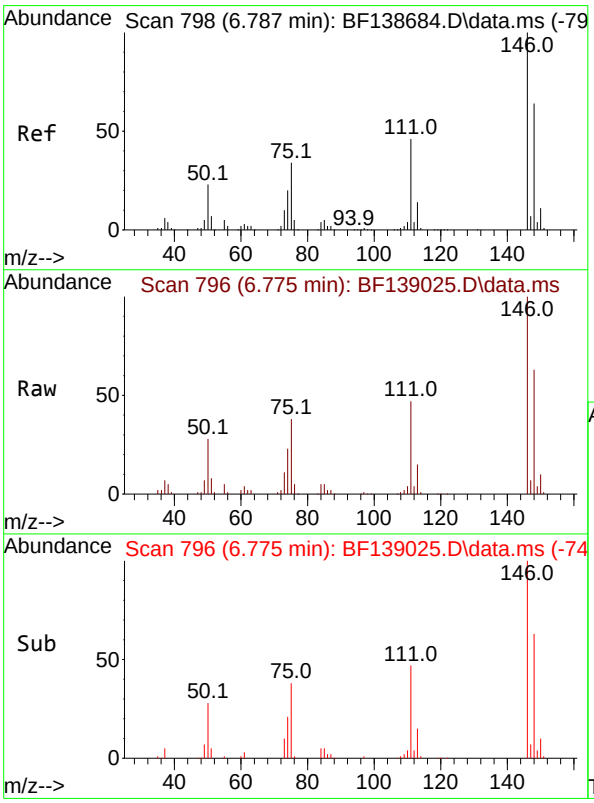
Ion	Ratio	Lower	Upper
93	100		
63	87.2	65.3	105.3
95	32.6	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

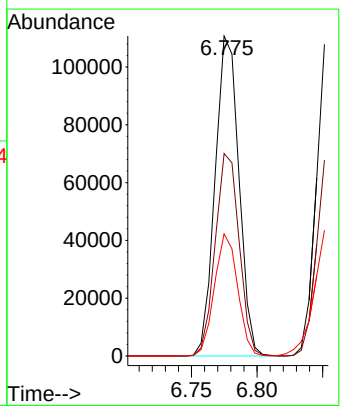
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

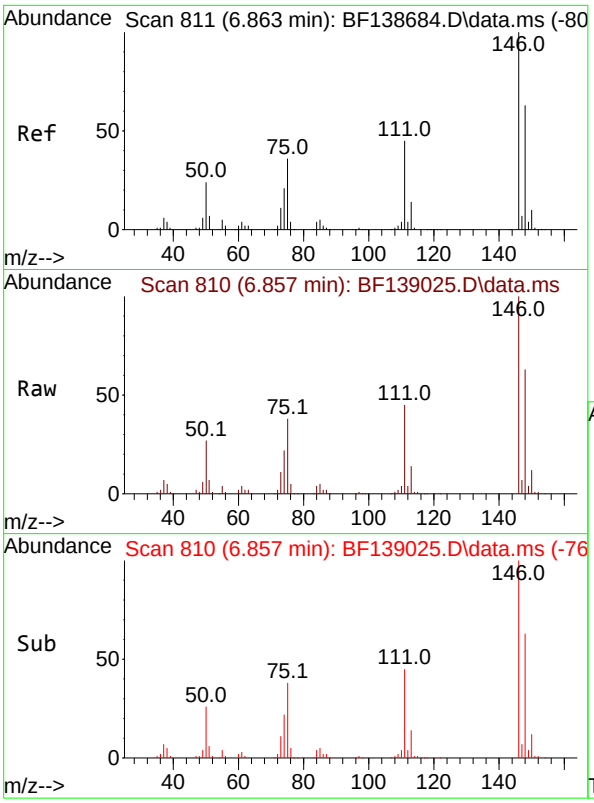


#12
1,3-Dichlorobenzene
Concen: 39.599 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

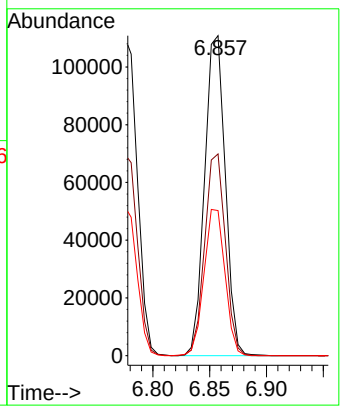




#13
1,4-Dichlorobenzene
Concen: 39.427 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:146 Resp: 14024

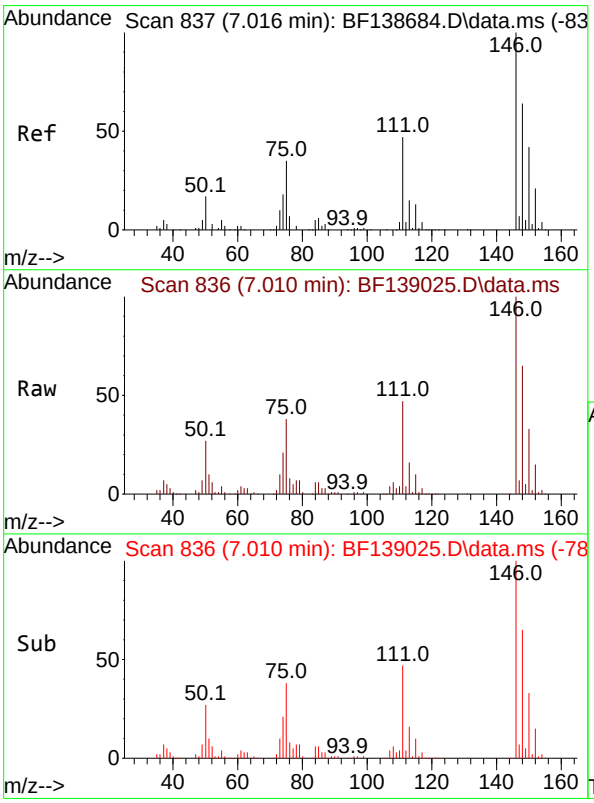
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.2	75.2
111	45.4	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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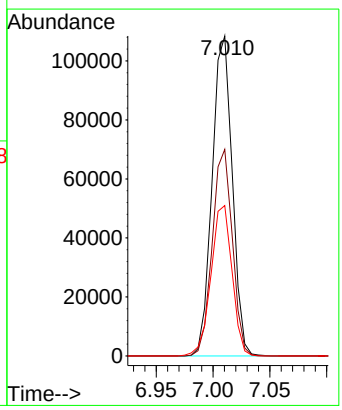
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

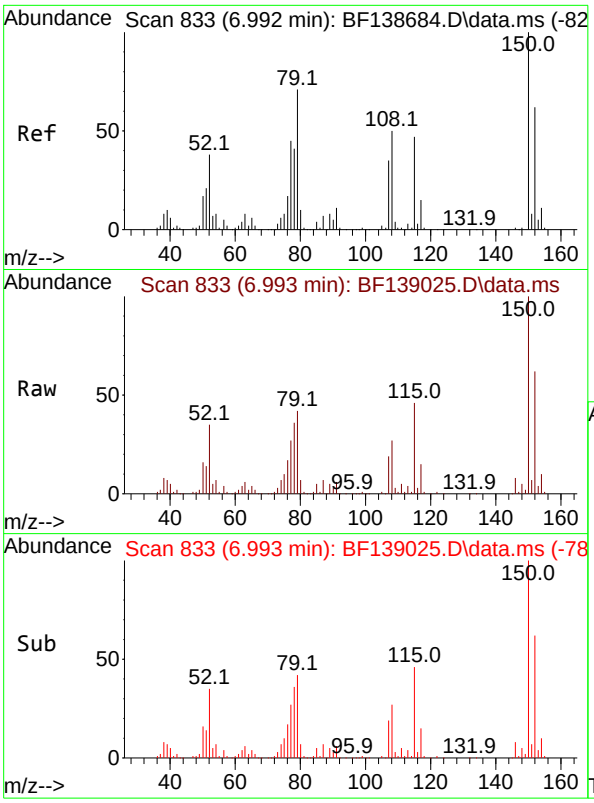


#14
1,2-Dichlorobenzene
Concen: 40.196 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

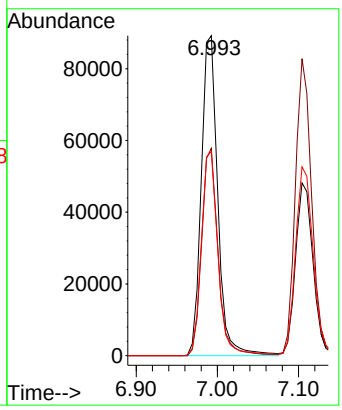
Tgt Ion: 79 Resp: 12571

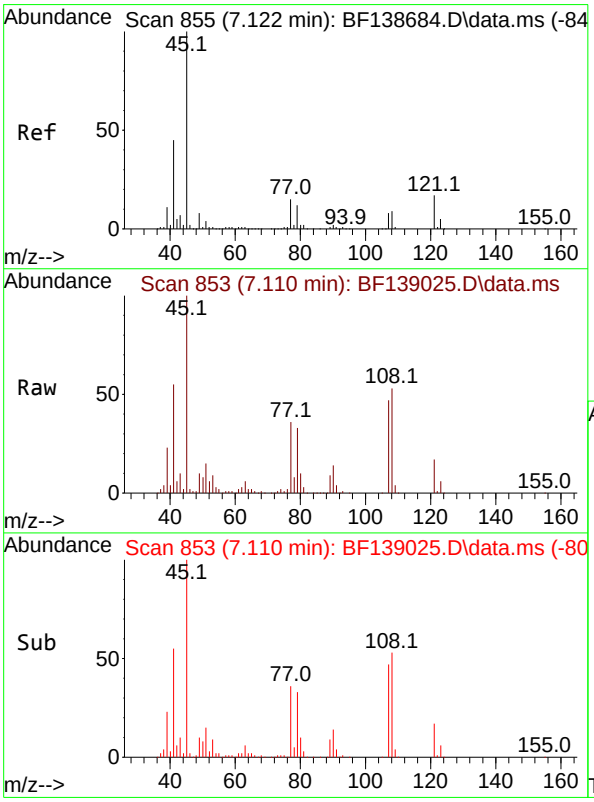
Ion	Ratio	Lower	Upper
79	100		
108	64.8	56.6	85.0
77	63.9	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

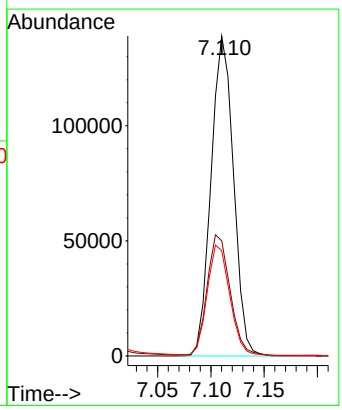


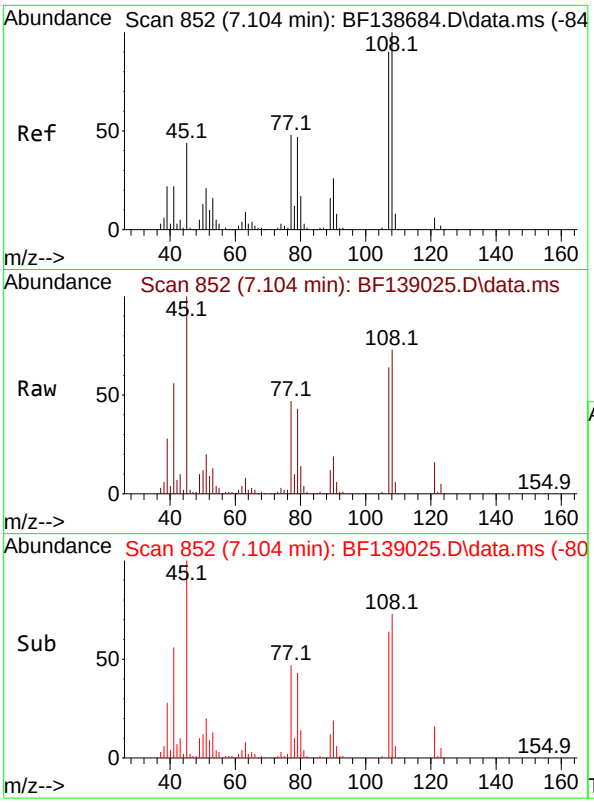


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.343 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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#

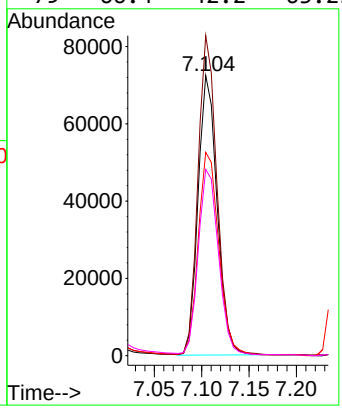




#17
2-Methylphenol
Concen: 38.983 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:107 Resp: 10135

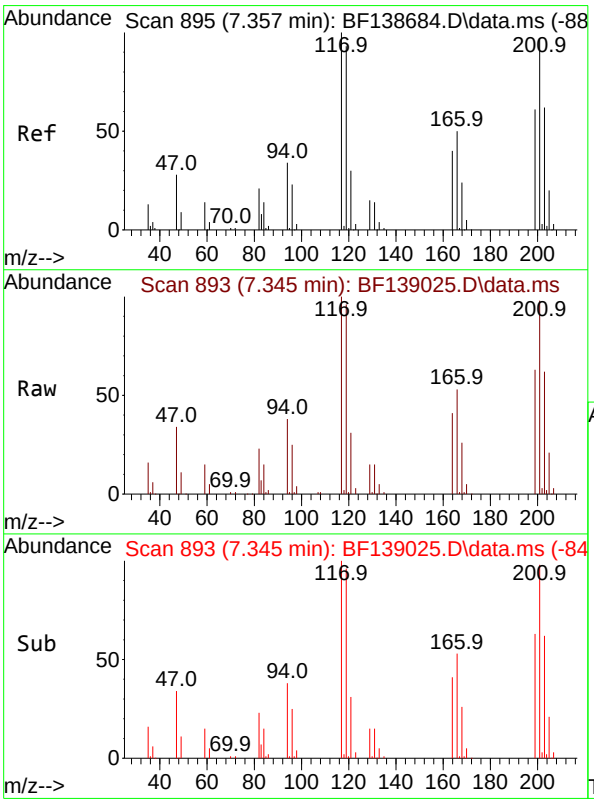
Ion	Ratio	Lower	Upper
107	100		
108	114.2	89.2	133.8
77	72.6	43.0	64.4#
79	66.4	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

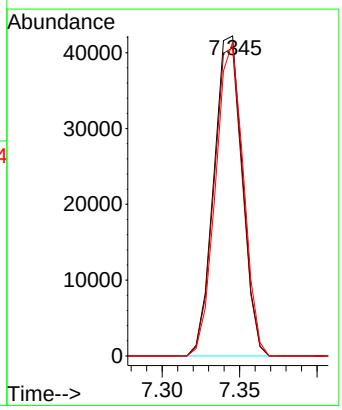
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

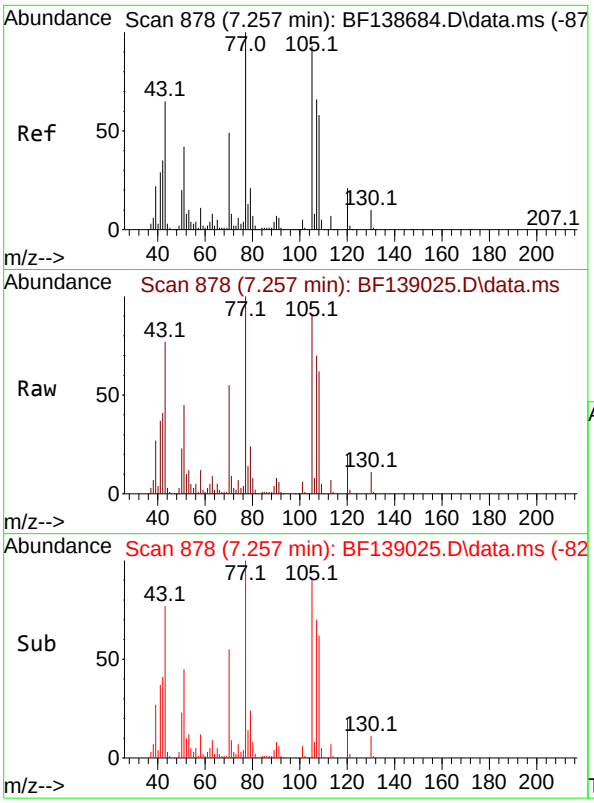


#18
Hexachloroethane
Concen: 40.423 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

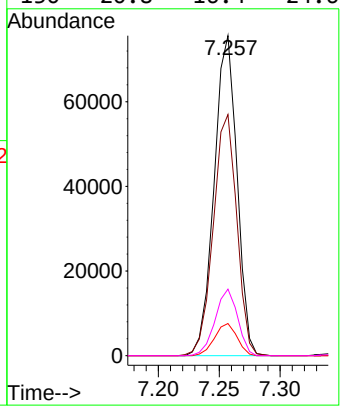




#19
n-Nitroso-di-n-propylamine
Concen: 40.737 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 70 Resp: 9886

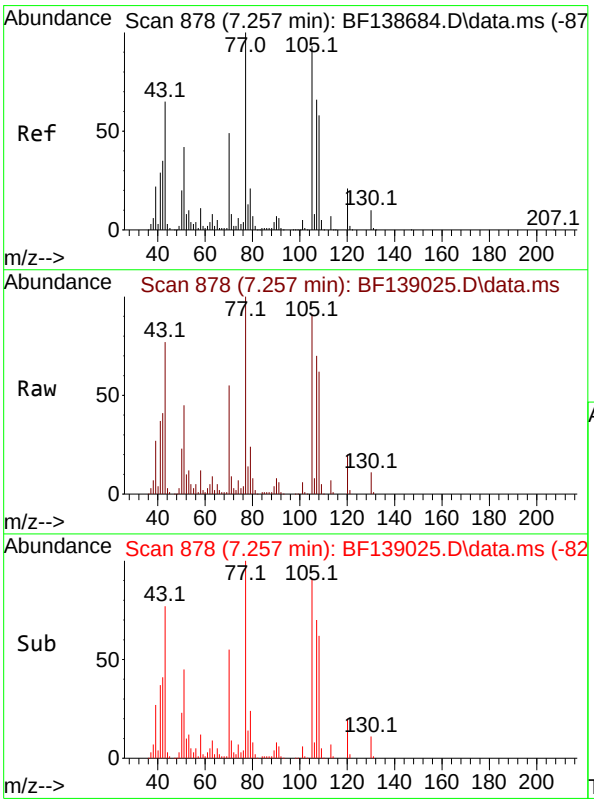
Ion	Ratio	Lower	Upper
70	100		
42	75.3	57.4	86.0
101	10.0	7.5	11.3
130	20.8	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

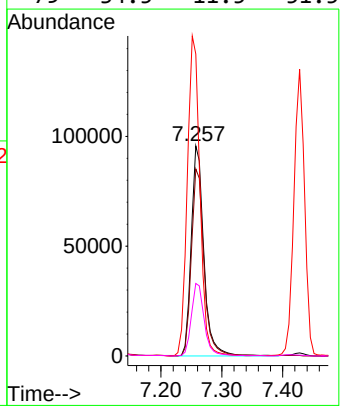
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

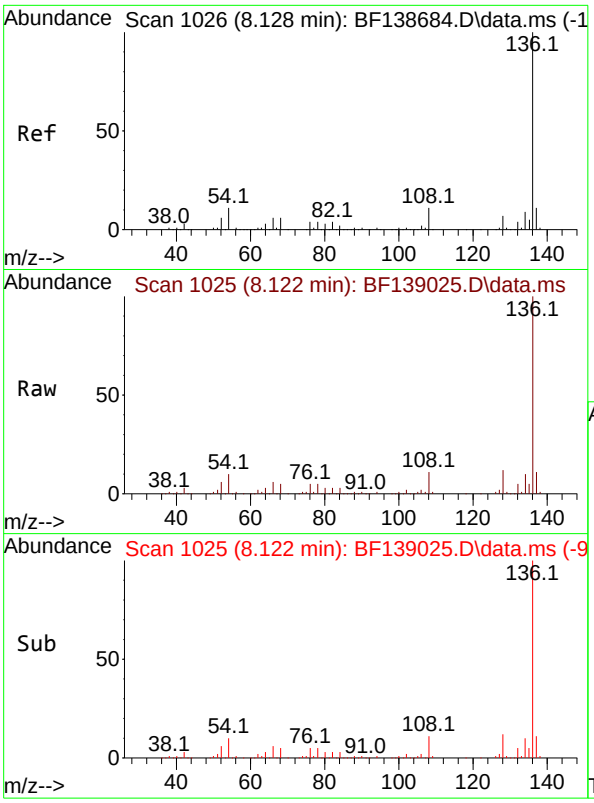


#20
3+4-Methylphenols
Concen: 41.195 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

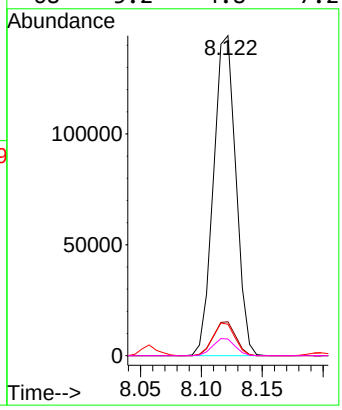




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:136 Resp: 18523

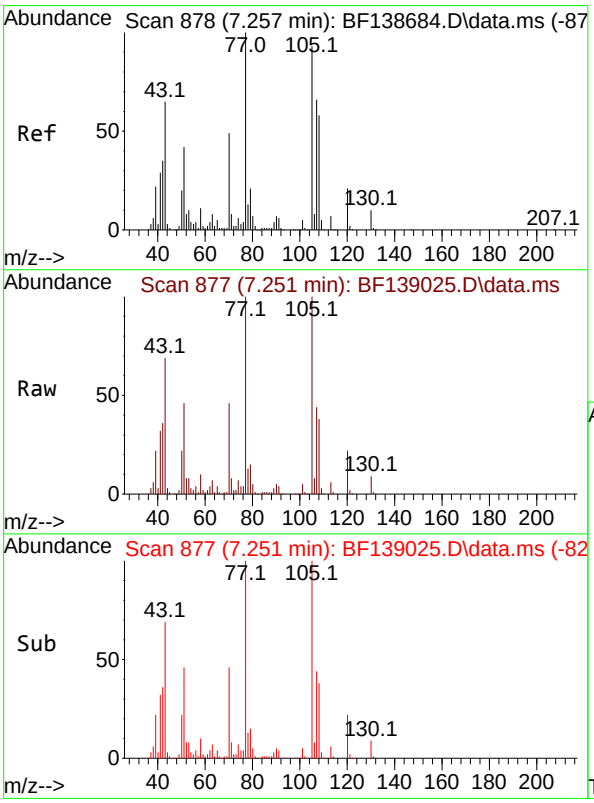
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.9	8.6	12.8
68	5.2	4.8	7.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

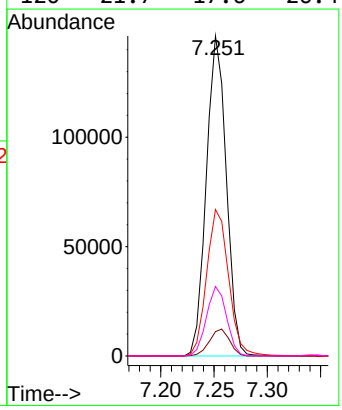
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

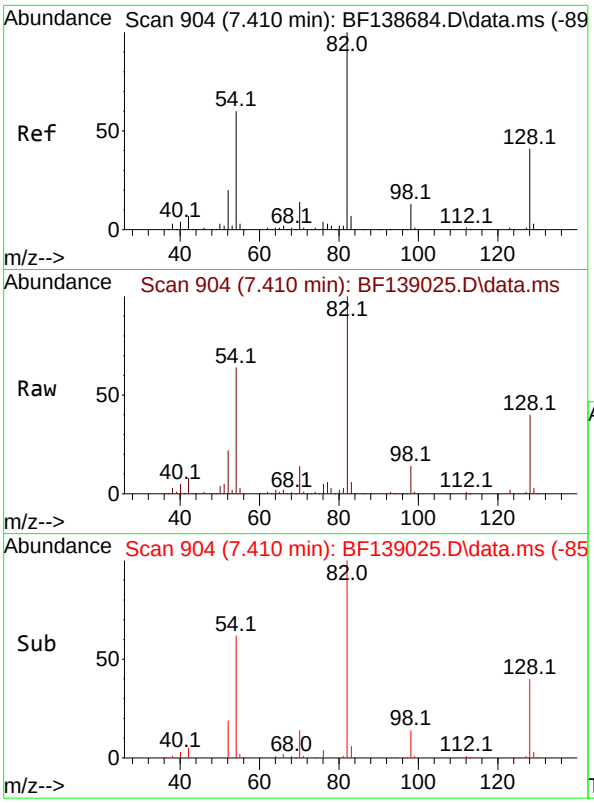


#22
Acetophenone
Concen: 42.049 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

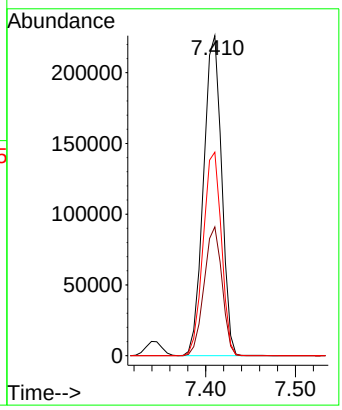




#23
Nitrobenzene-d5
Concen: 83.551 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 82 Resp: 31654

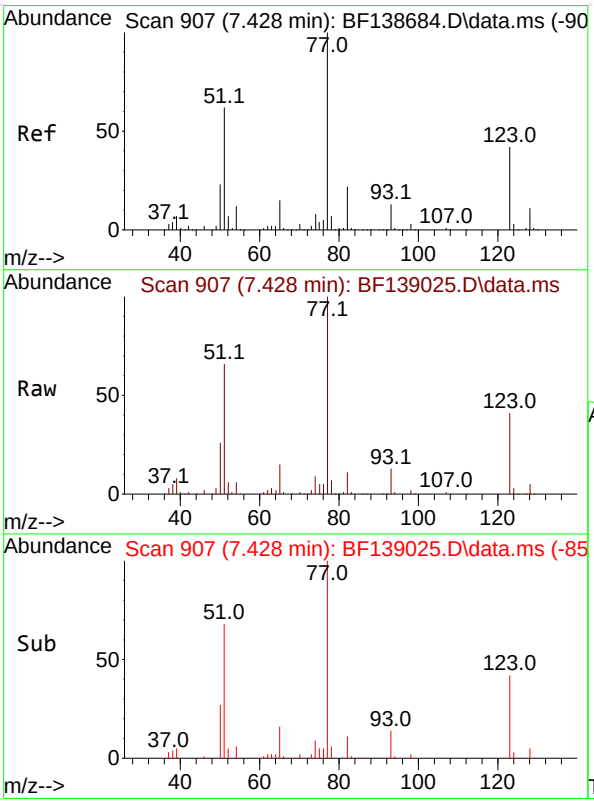
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.8	49.2
54	63.6	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

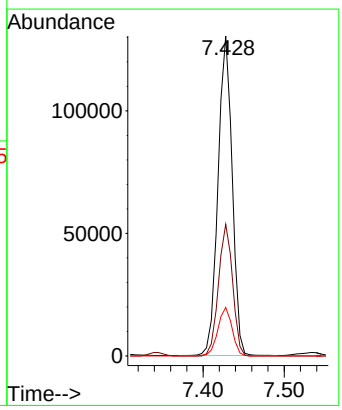
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

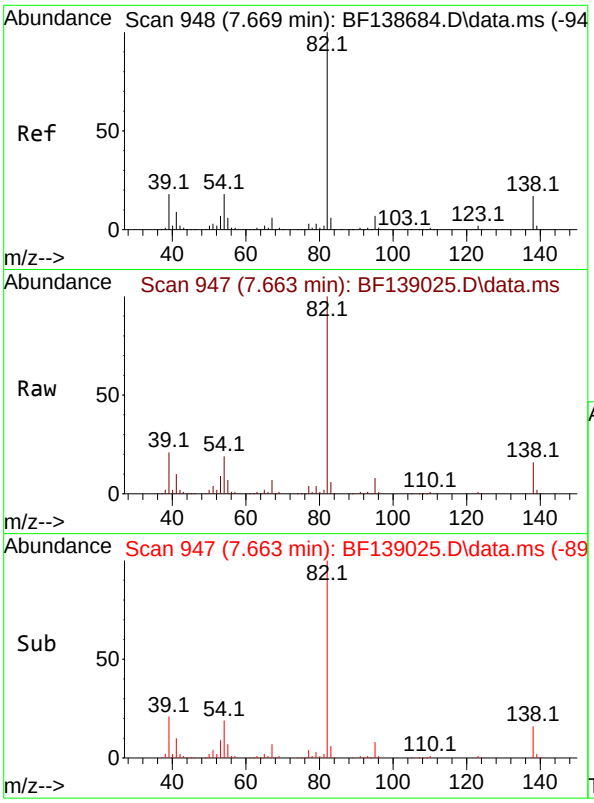


#24
Nitrobenzene
Concen: 41.199 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

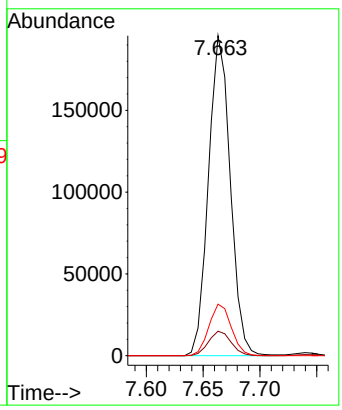




#25
Isophorone
Concen: 40.481 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion: 82 Resp: 26188

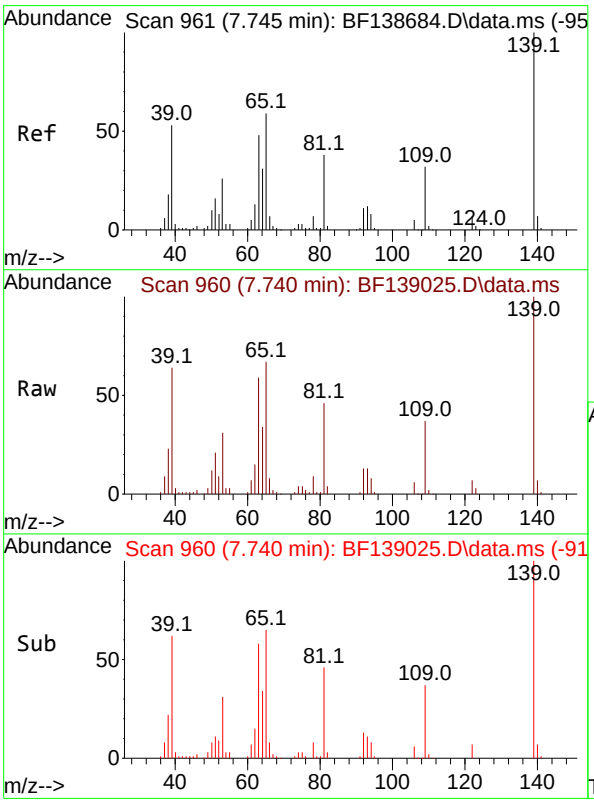
Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.7	8.5
138	16.1	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

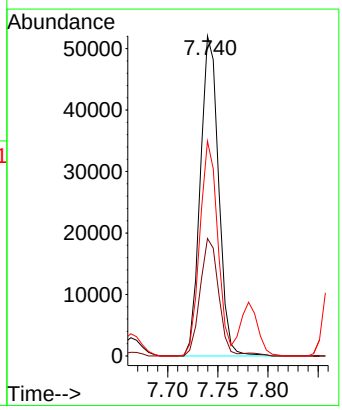
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

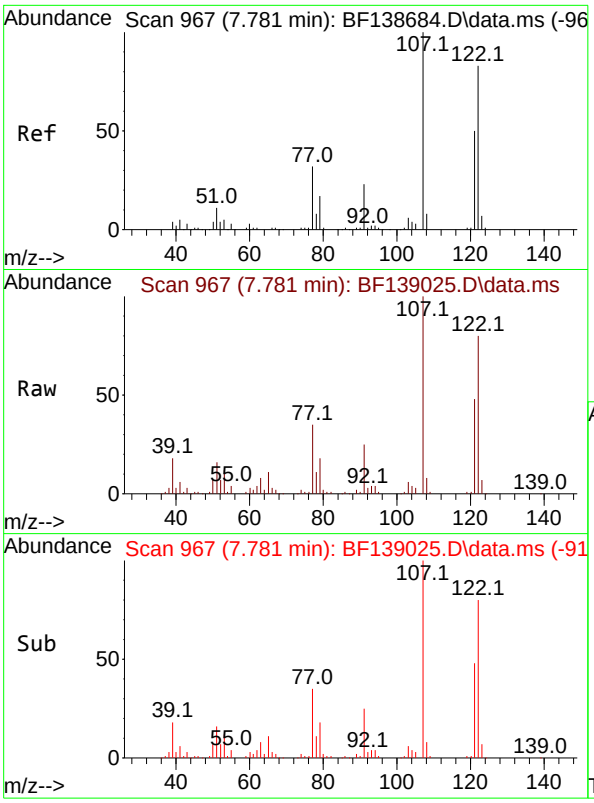


#26
2-Nitrophenol
Concen: 39.880 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

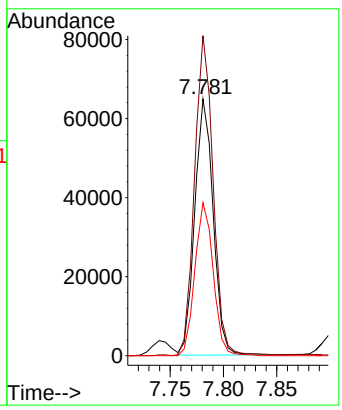




#27
2,4-Dimethylphenol
Concen: 39.450 ng
RT: 7.781 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:122 Resp: 7829(

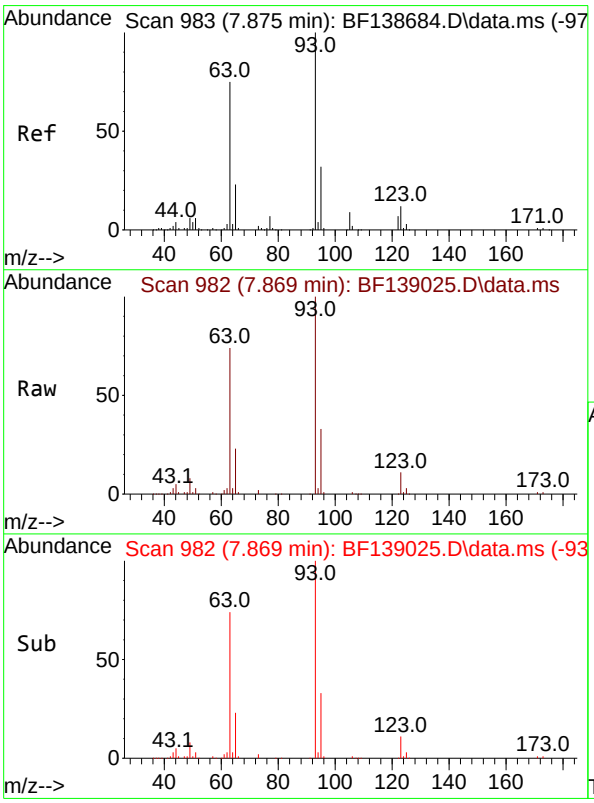
Ion	Ratio	Lower	Upper
122	100		
107	124.7	95.0	142.6
121	59.6	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

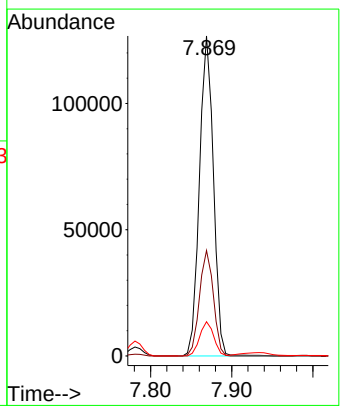
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

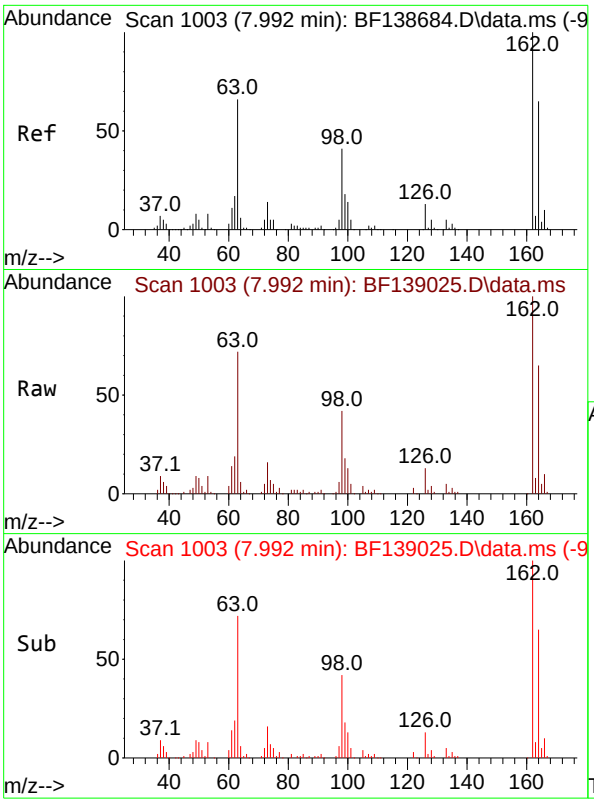


#28
bis(2-Chloroethoxy)methane
Concen: 38.429 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

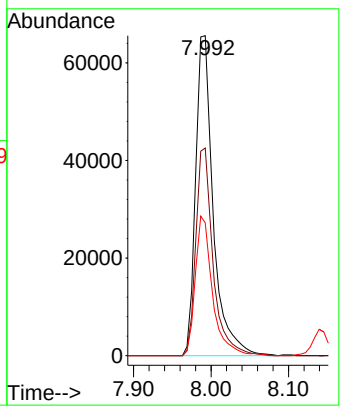




#29
2,4-Dichlorophenol
Concen: 40.648 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:162 Resp: 10365

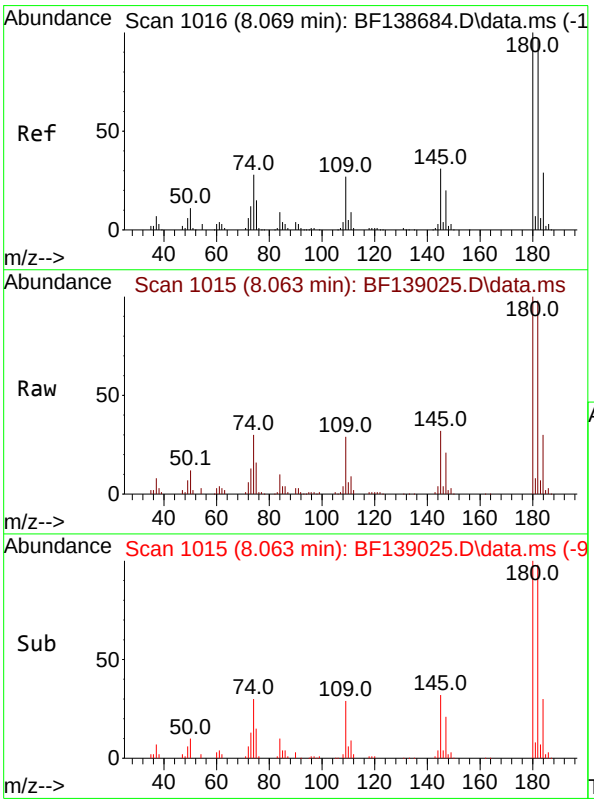
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.7	84.7
98	41.5	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

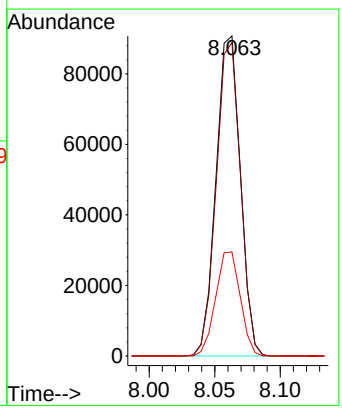
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

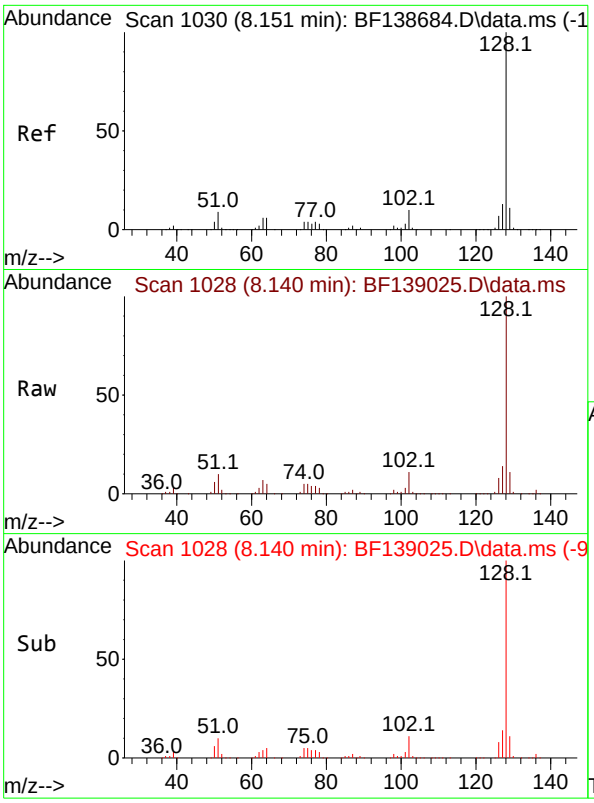


#30
1,2,4-Trichlorobenzene
Concen: 39.871 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

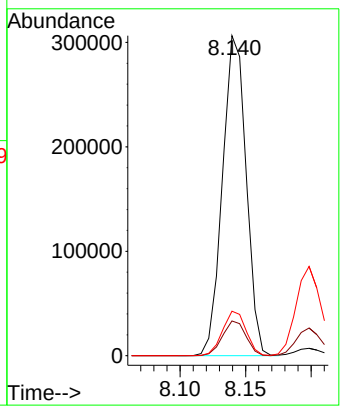




#31
Naphthalene
Concen: 39.521 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:128 Resp: 38533

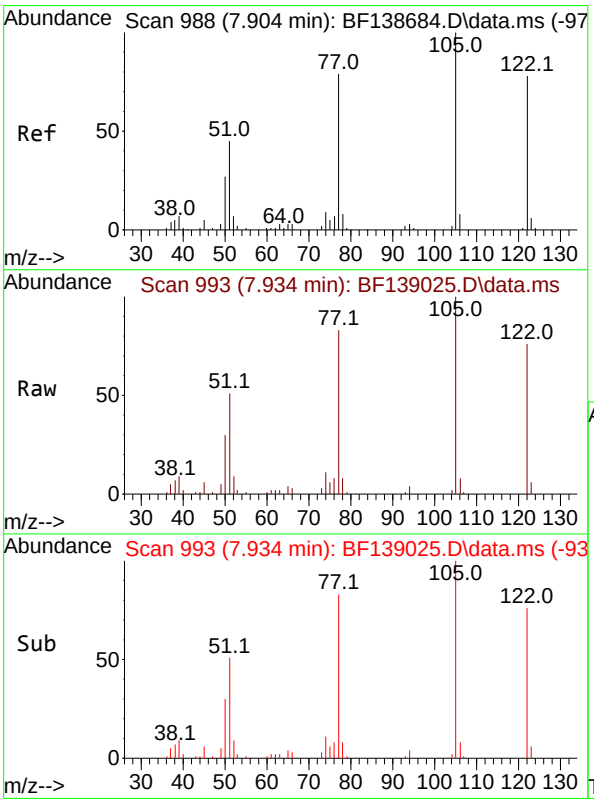
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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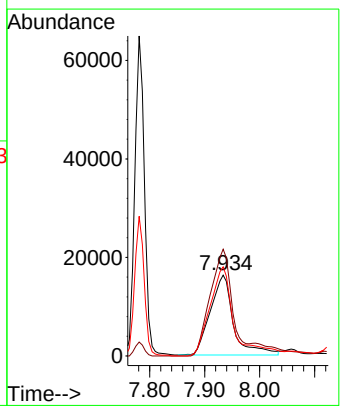
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

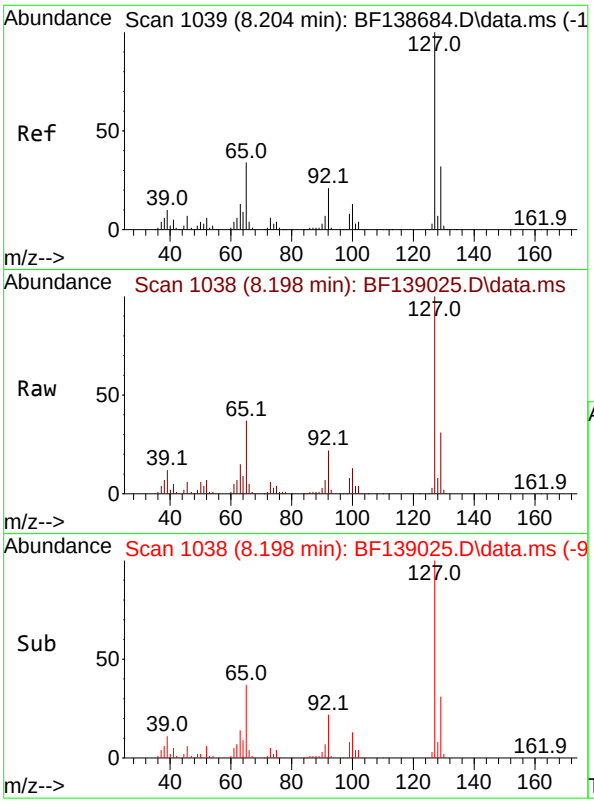


#32
Benzoic acid
Concen: 30.436 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.030 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

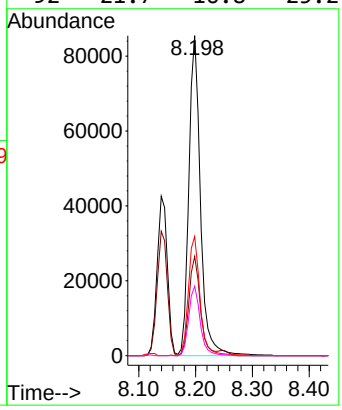




#33
4-Chloroaniline
Concen: 37.170 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:127 Resp: 12165

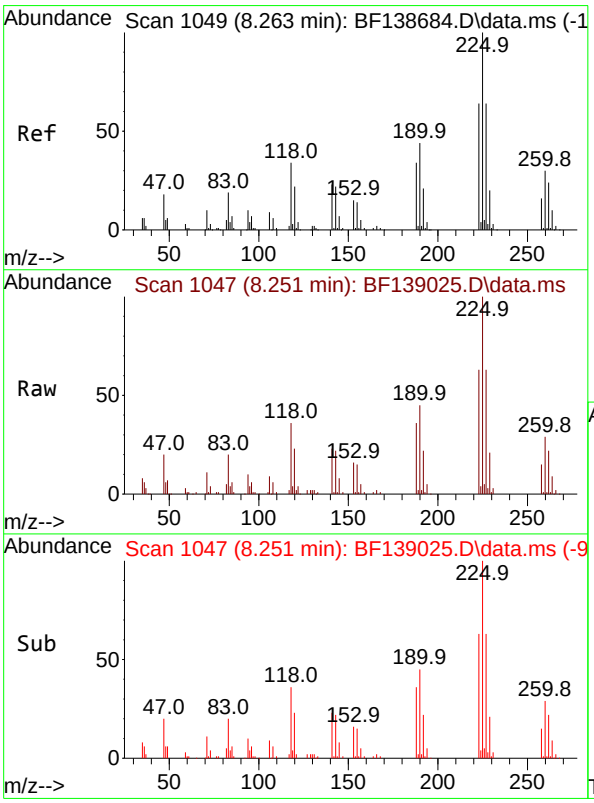
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.9	38.9
65	37.3	27.6	41.4
92	21.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

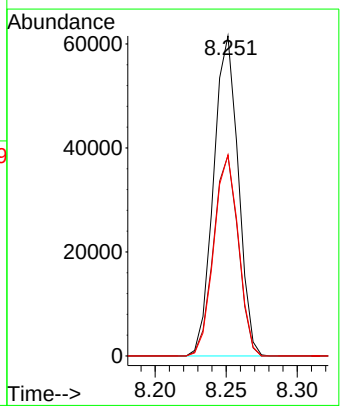
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

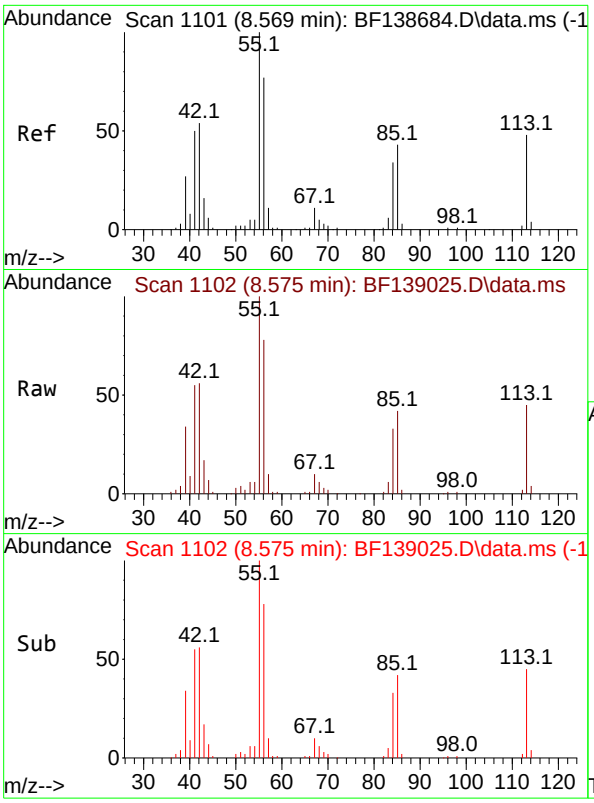


#34
Hexachlorobutadiene
Concen: 41.689 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

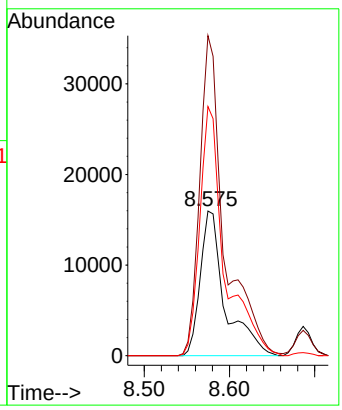




#35
Caprolactam
Concen: 42.453 ng
RT: 8.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:113 Resp: 3230

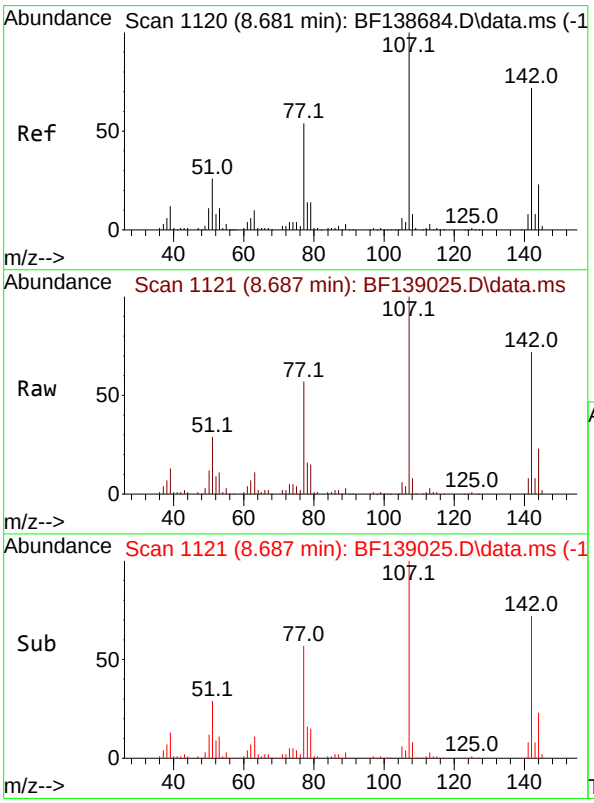
Ion	Ratio	Lower	Upper
113	100		
55	221.2	186.7	226.7
56	172.2	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

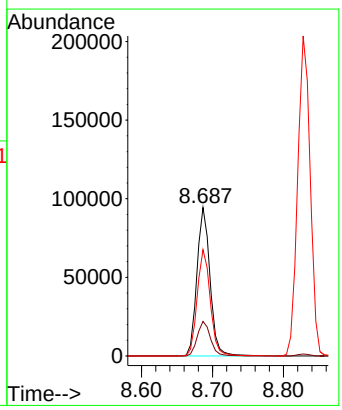
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

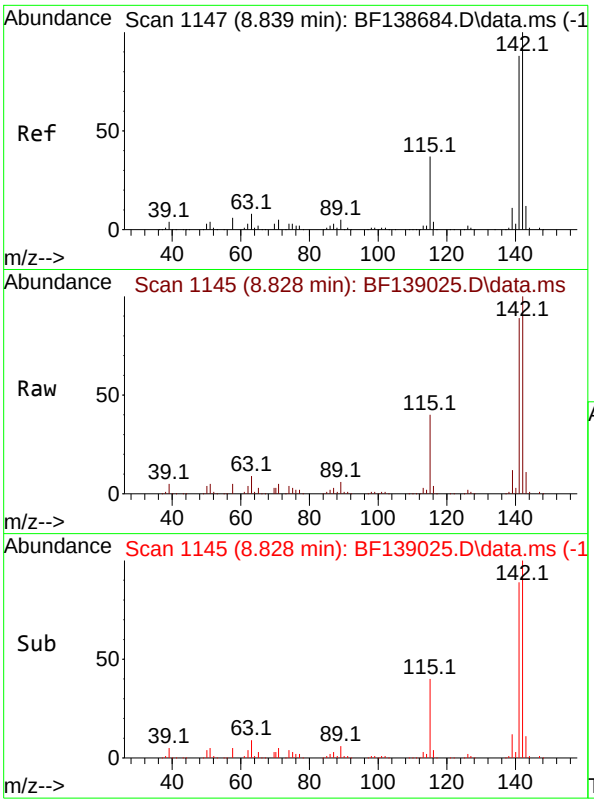


#36
4-Chloro-3-methylphenol
Concen: 41.678 ng
RT: 8.687 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

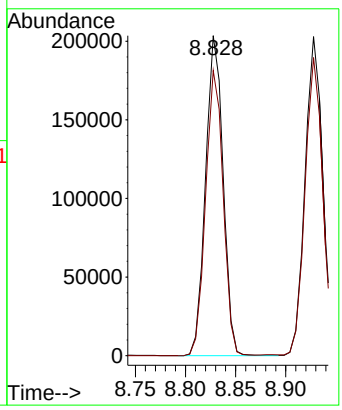




#37
2-Methylnaphthalene
Concen: 40.370 ng
RT: 8.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:142 Resp: 24858

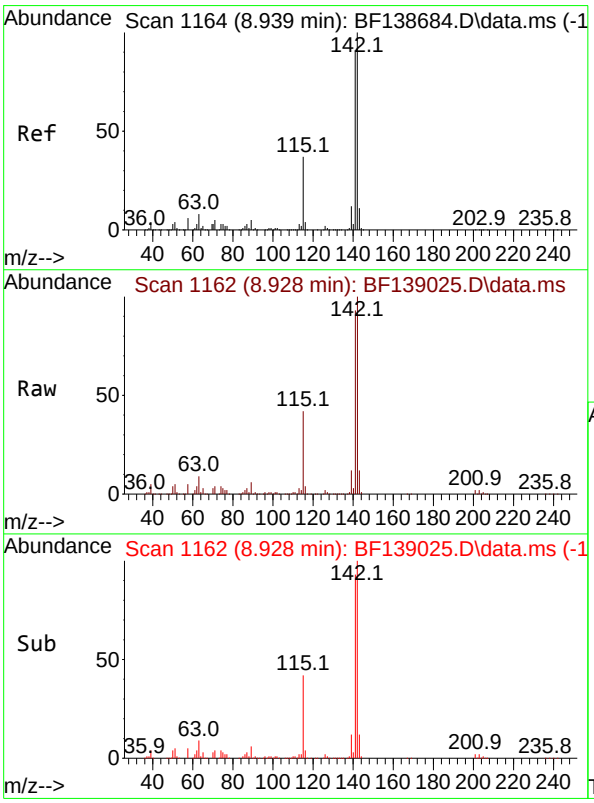
Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

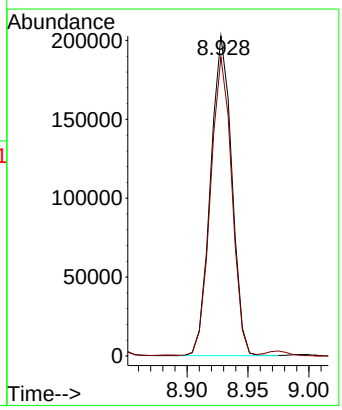
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

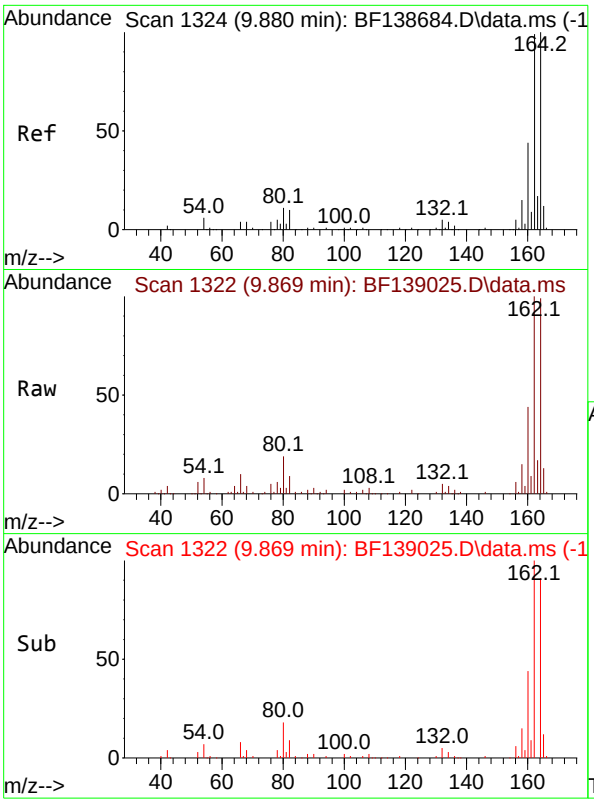


#38
1-Methylnaphthalene
Concen: 40.692 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:142 Resp: 245538

Ion	Ratio	Lower	Upper
142	100		
141	93.5	73.1	109.7

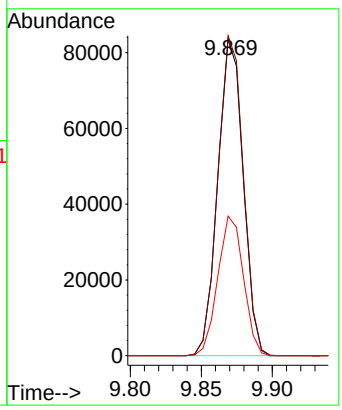




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:164 Resp: 10349

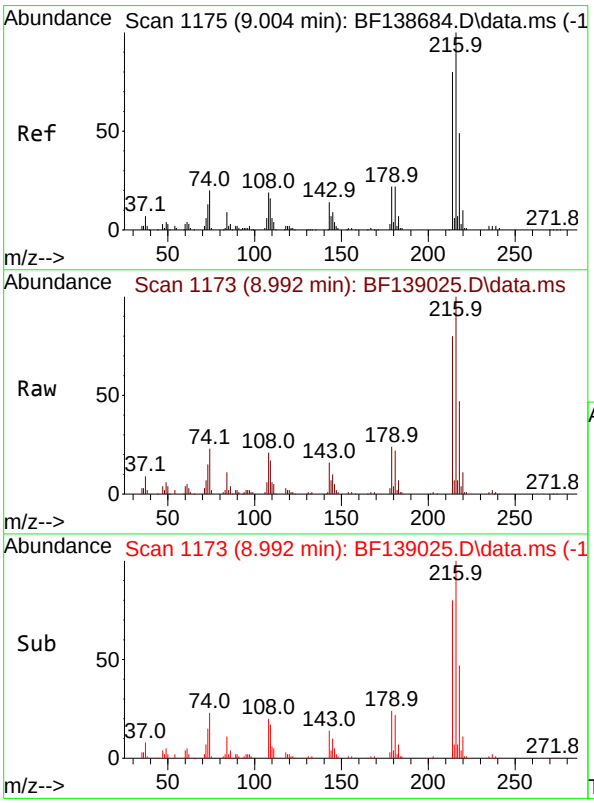
Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.4	119.0
160	44.1	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

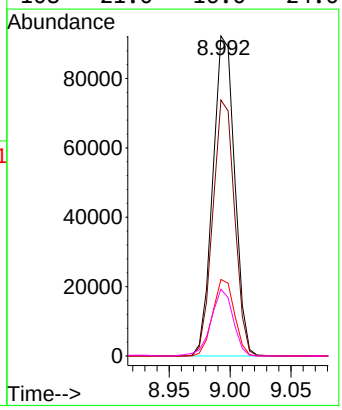
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

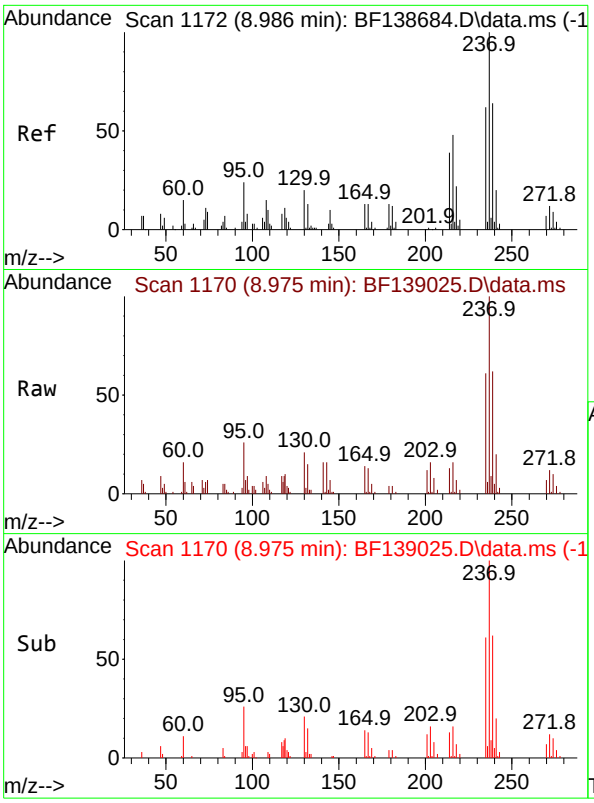


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.099 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

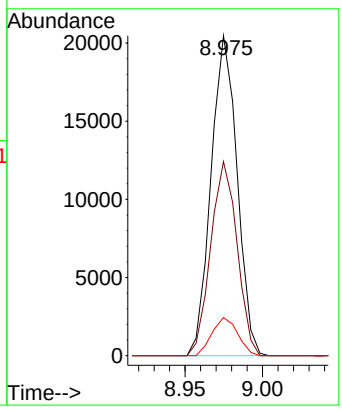
Tgt Ion:237 Resp: 2393

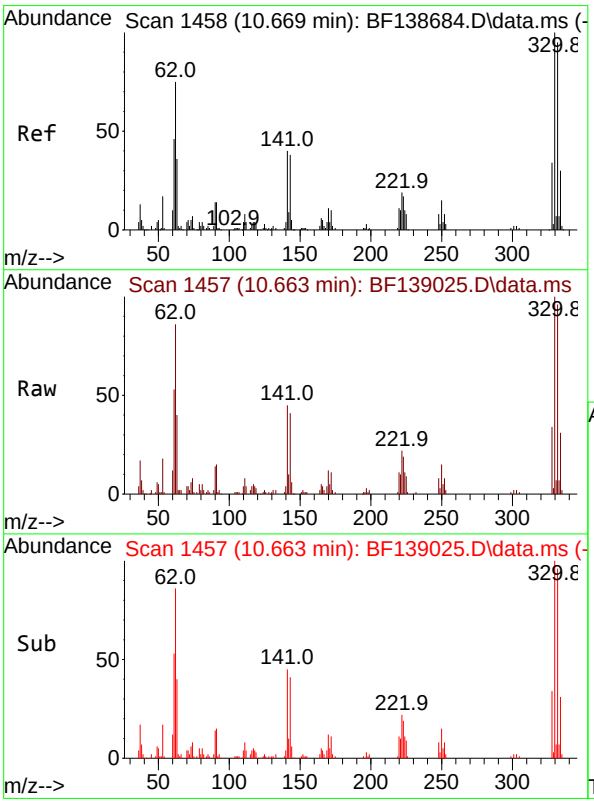
Ion	Ratio	Lower	Upper
237	100		
235	60.7	41.8	81.8
272	11.9	0.0	32.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

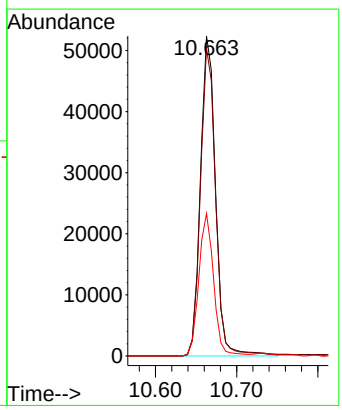


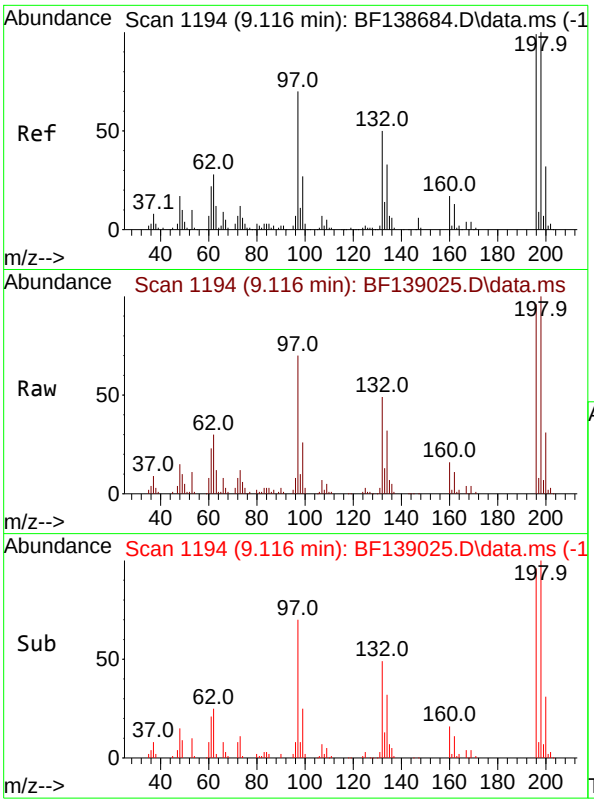


#42
2,4,6-Tribromophenol
Concen: 79.912 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

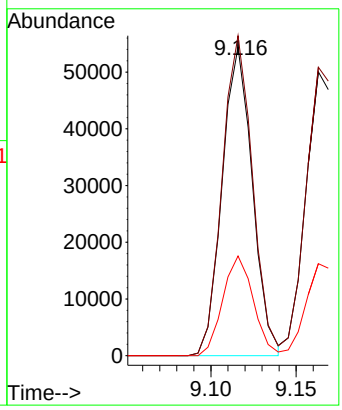




#43
2,4,6-Trichlorophenol
Concen: 38.342 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:196 Resp: 6720

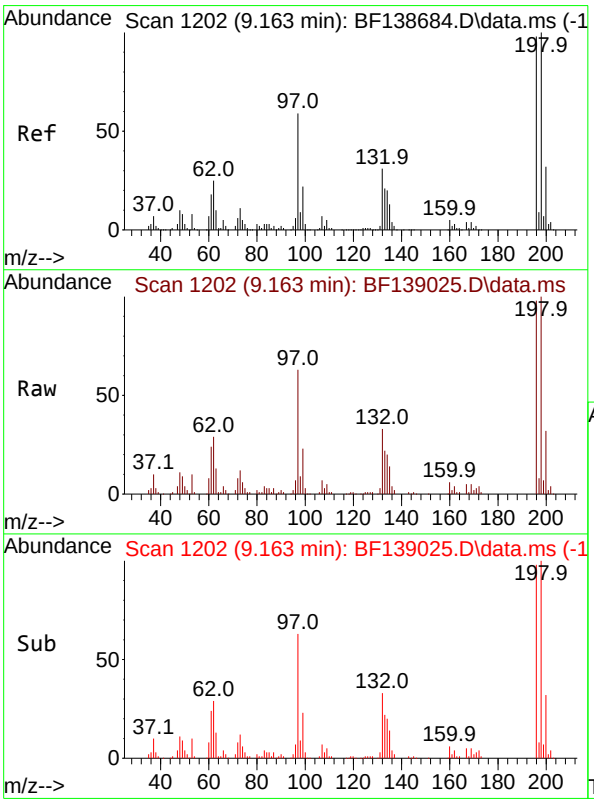
Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
200	32.3	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

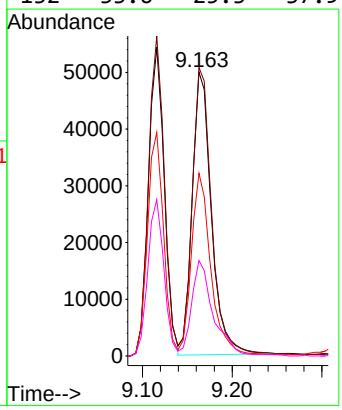
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

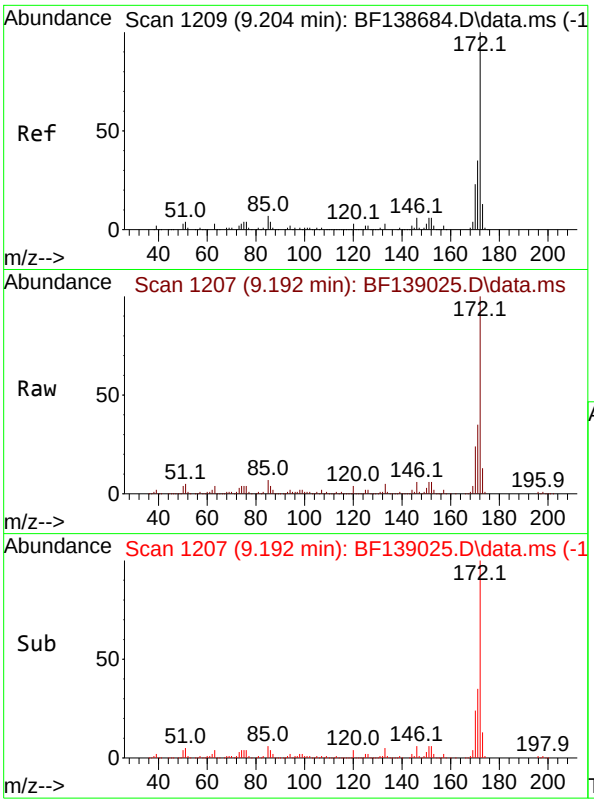


#44
2,4,5-Trichlorophenol
Concen: 38.511 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

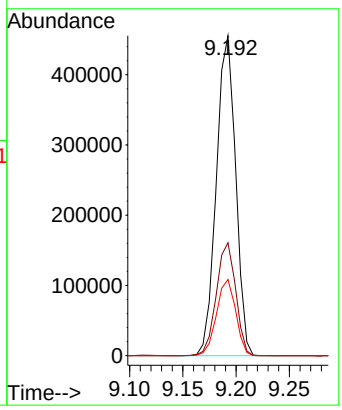




#45
2-Fluorobiphenyl
Concen: 83.230 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:172 Resp: 57329

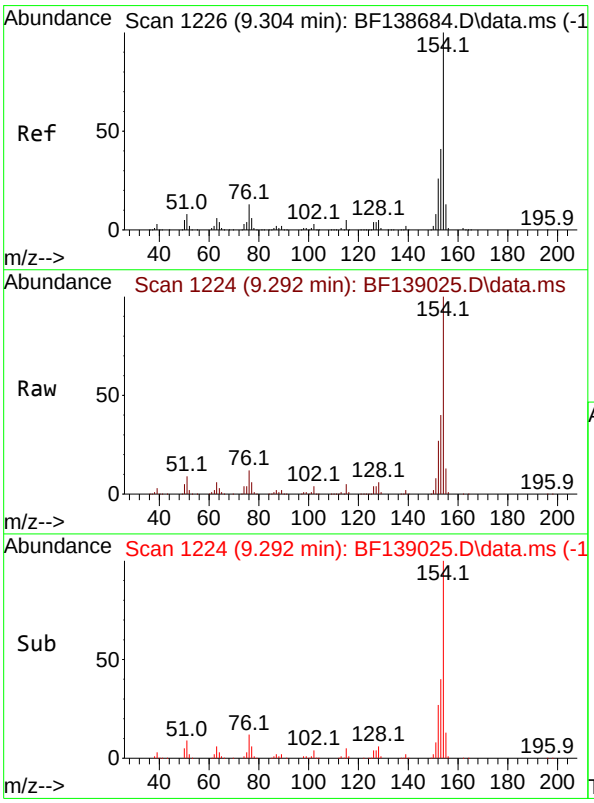
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.8	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

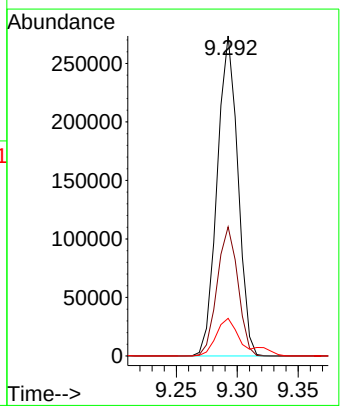
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

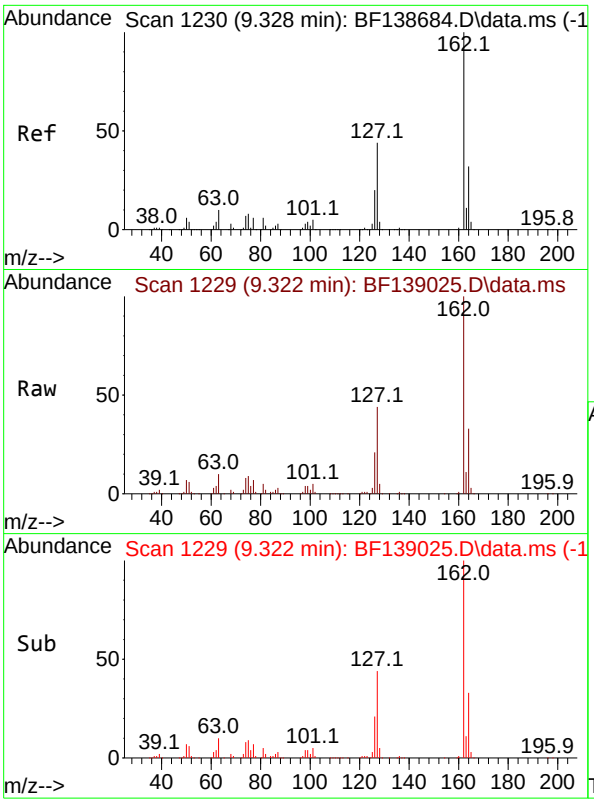


#46
1,1'-Biphenyl
Concen: 39.976 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

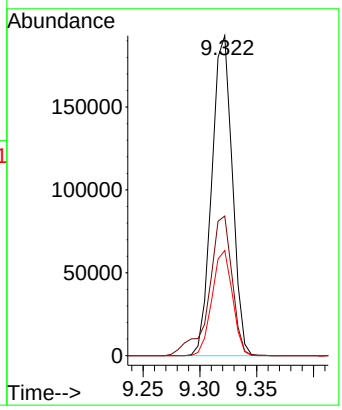




#47
2-Chloronaphthalene
Concen: 40.211 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:162 Resp: 24240

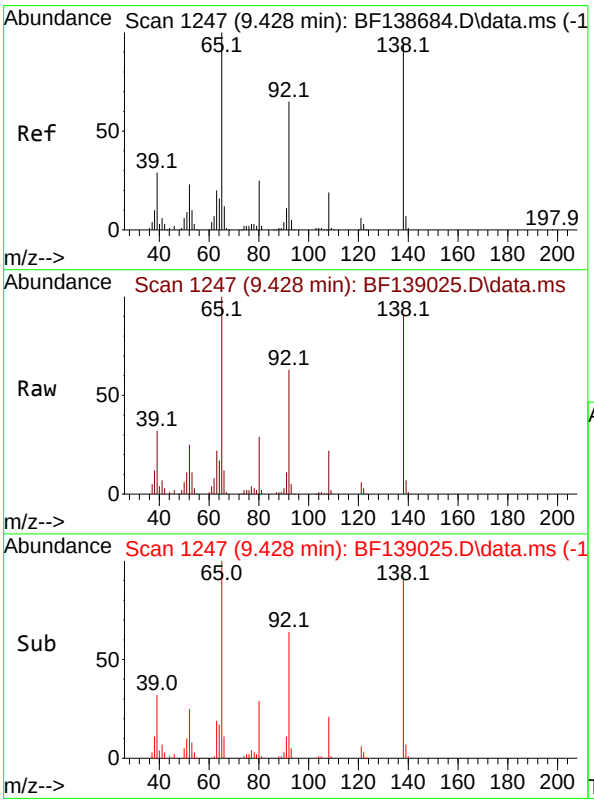
Ion	Ratio	Lower	Upper
162	100		
127	43.6	35.4	53.2
164	32.8	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

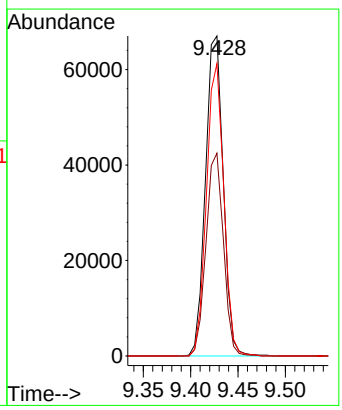
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

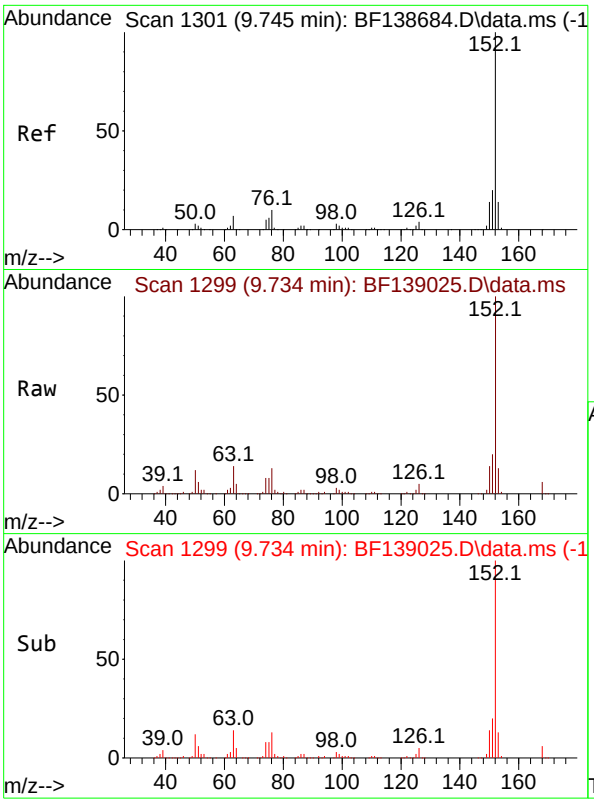


#48
2-Nitroaniline
Concen: 42.668 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

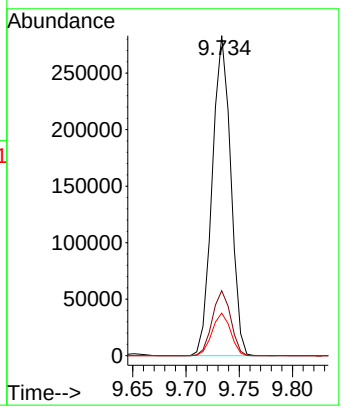




#49
Acenaphthylene
Concen: 39.913 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:152 Resp: 34125

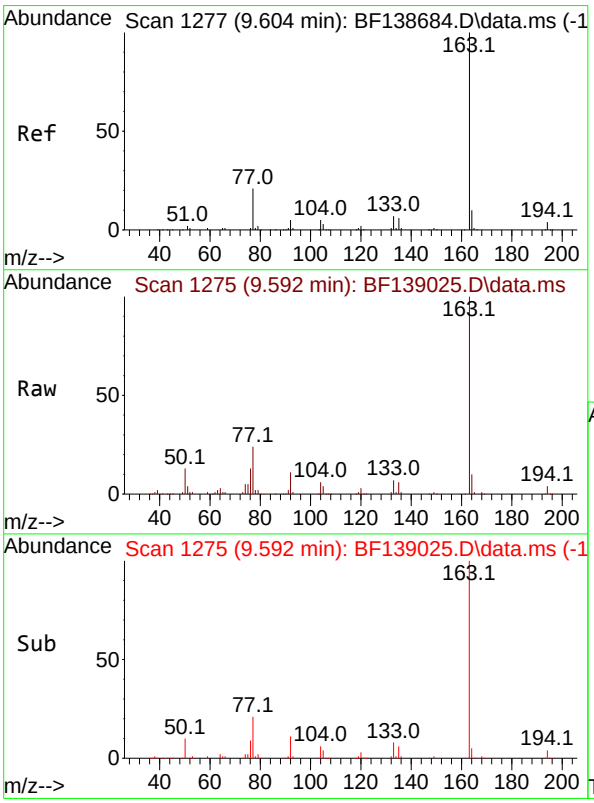
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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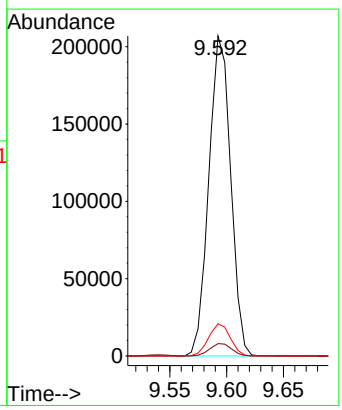
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

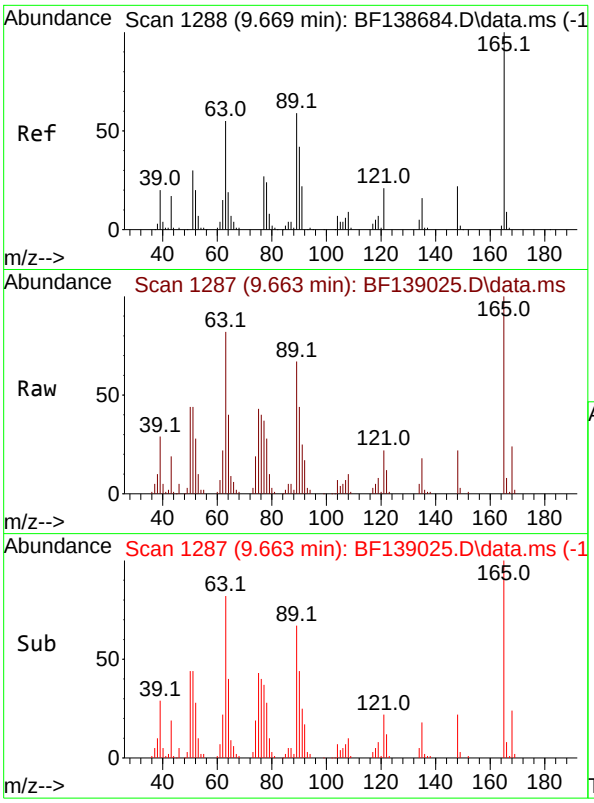


#50
Dimethylphthalate
Concen: 41.819 ng
RT: 9.592 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

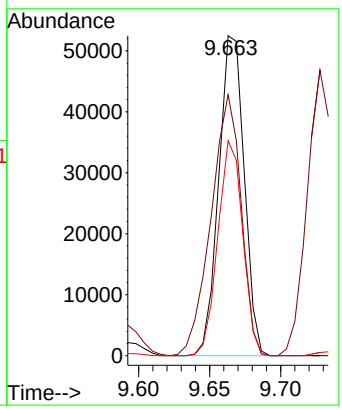
Tgt Ion:165 Resp: 6554

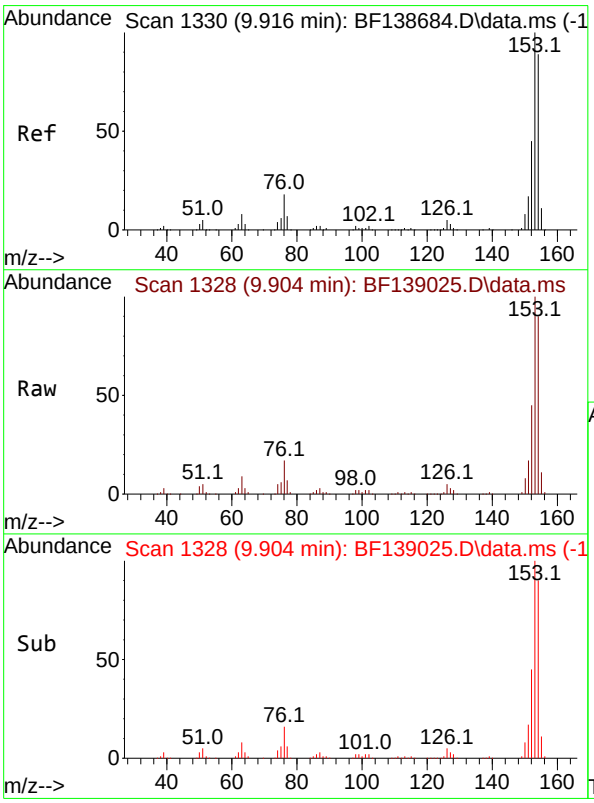
Ion	Ratio	Lower	Upper
165	100		
63	81.6	52.0	78.0
89	67.2	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

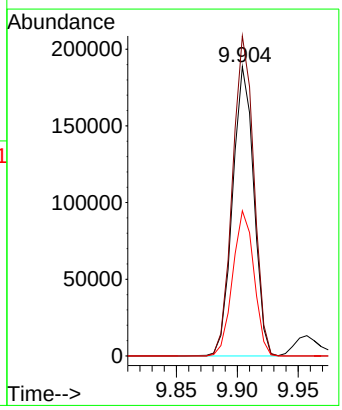


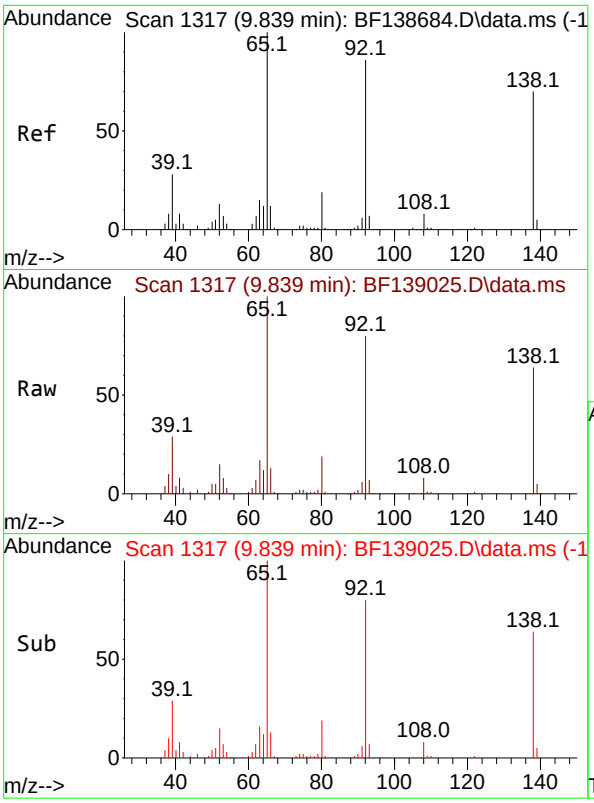


#52
Acenaphthene
Concen: 39.888 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

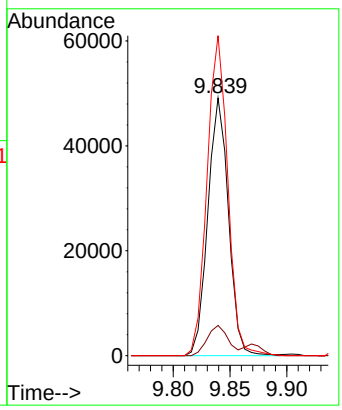




#53
3-Nitroaniline
Concen: 40.183 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:138 Resp: 6203

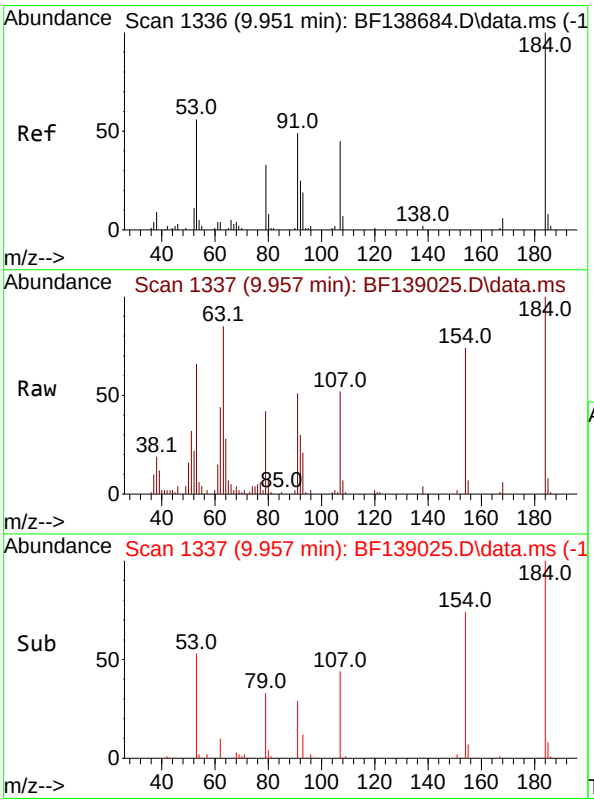
Ion	Ratio	Lower	Upper
138	100		
108	11.8	9.1	13.7
92	124.2	98.7	148.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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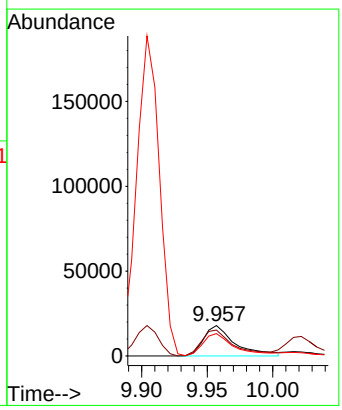
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

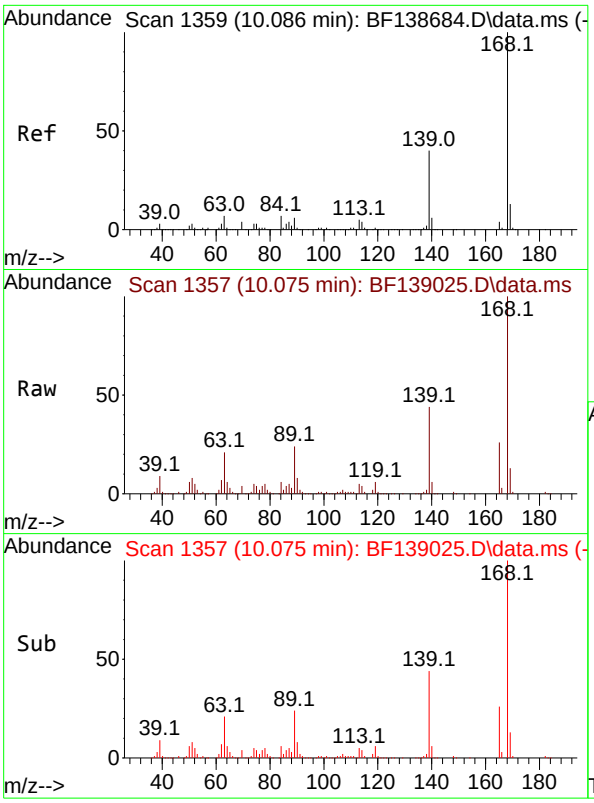


#54
2,4-Dinitrophenol
Concen: 43.390 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

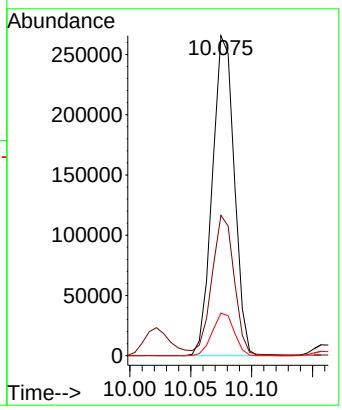




#55
Dibenzofuran
Concen: 40.893 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:168 Resp: 33176

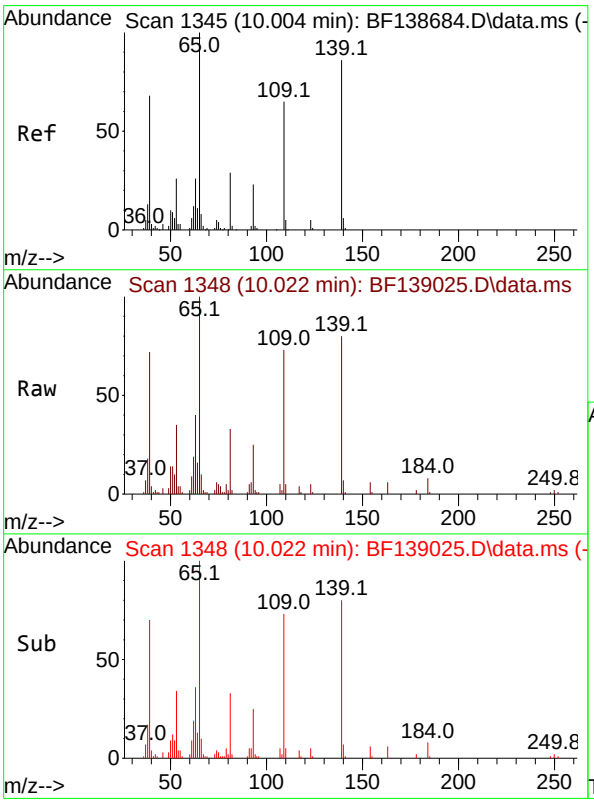
Ion	Ratio	Lower	Upper
168	100		
139	43.9	32.6	49.0
169	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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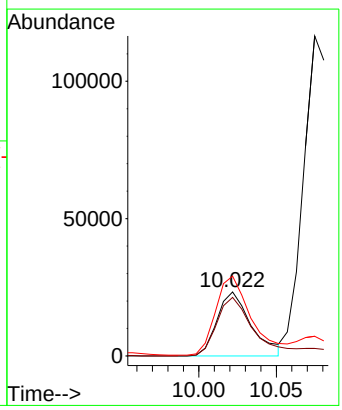
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

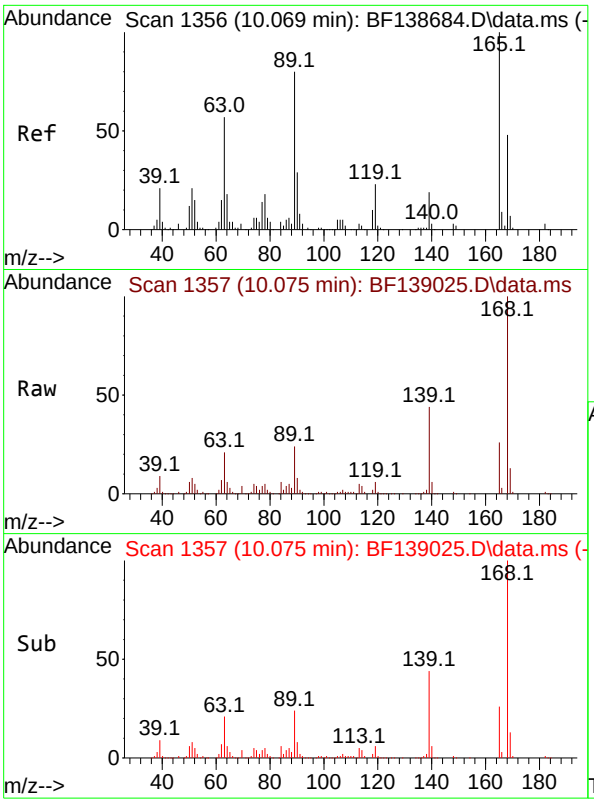


#56
4-Nitrophenol
Concen: 38.596 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

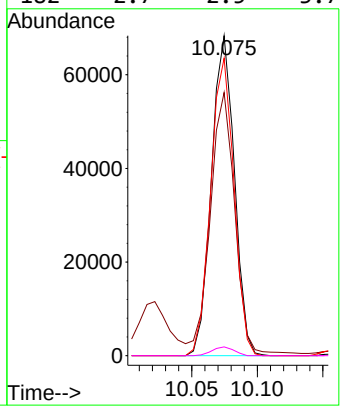




#57
2,4-Dinitrotoluene
Concen: 43.734 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:165 Resp: 8333

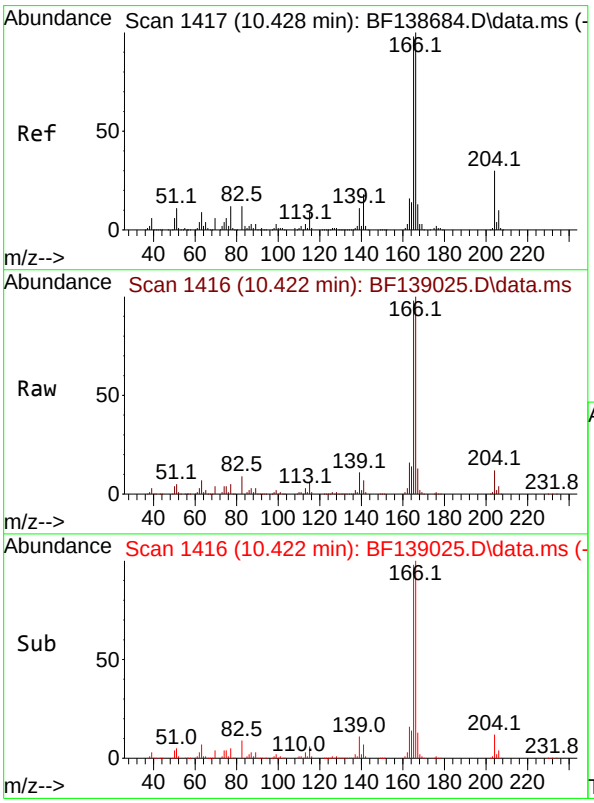
Ion	Ratio	Lower	Upper
165	100		
63	82.2	46.3	69.5#
89	92.9	64.2	96.4
182	2.7	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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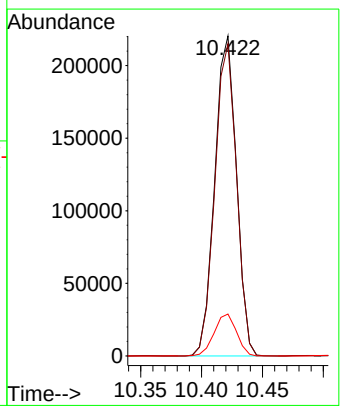
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

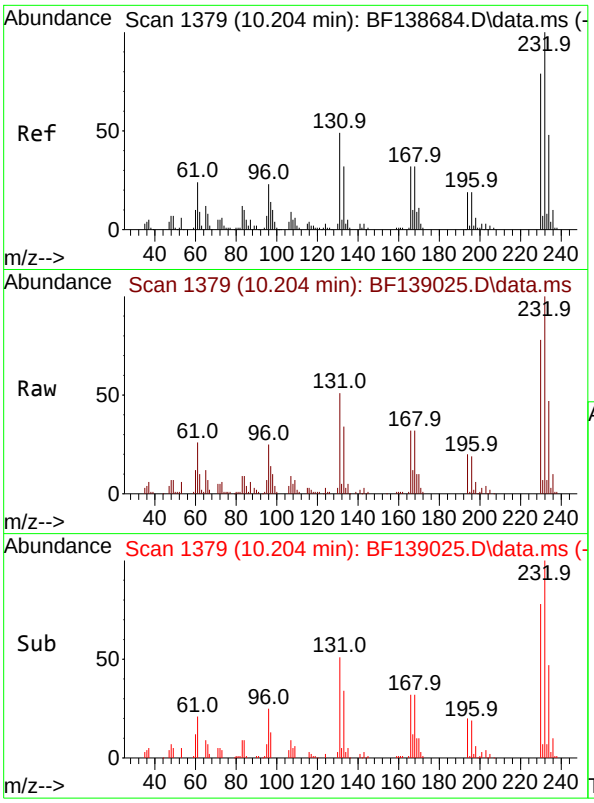


#58
Fluorene
Concen: 42.452 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

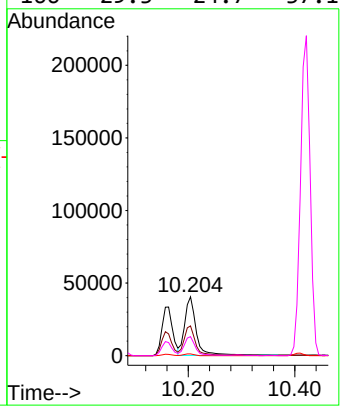




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.119 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:232 Resp: 6024

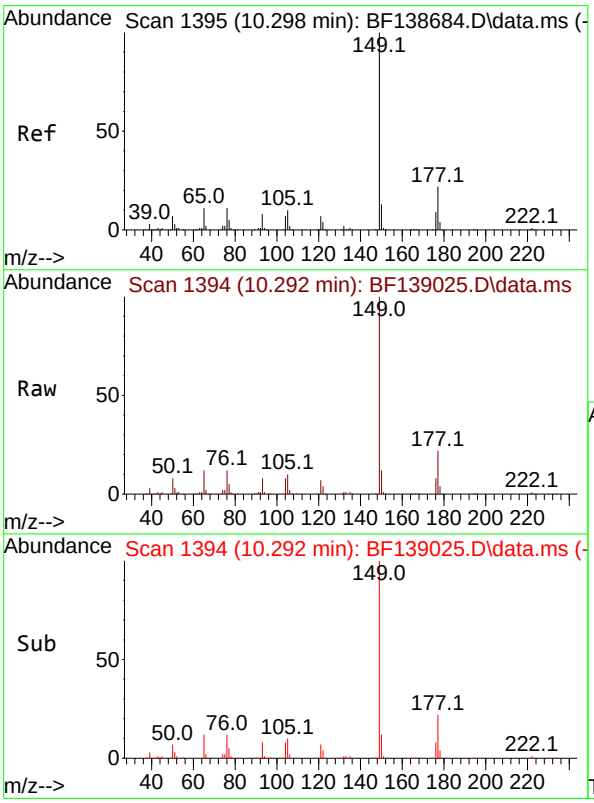
Ion	Ratio	Lower	Upper
232	100		
131	47.2	37.0	55.4
130	2.6	2.0	3.0
166	29.3	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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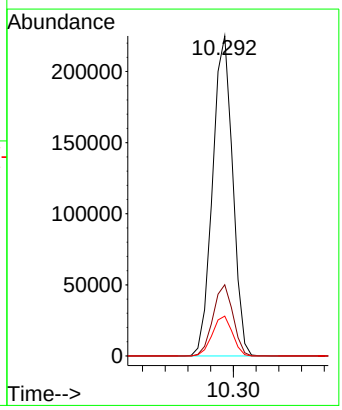
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

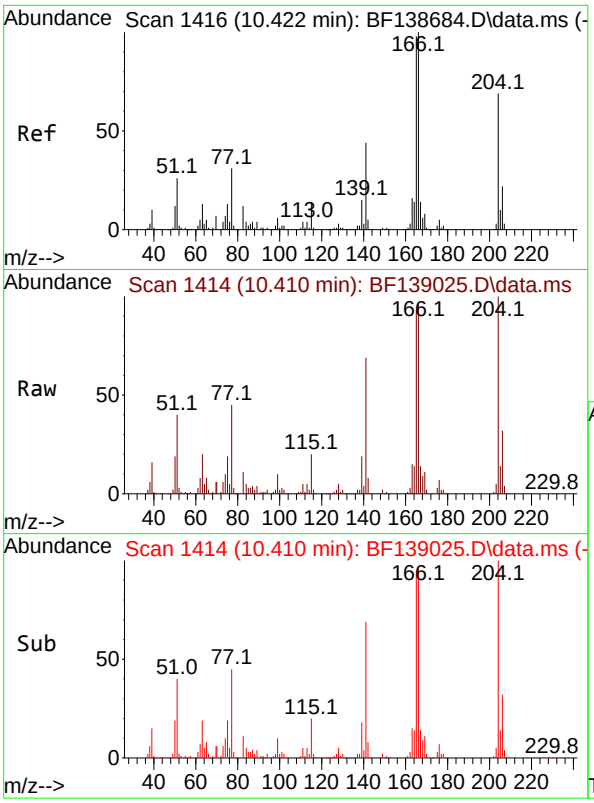


#60
Diethylphthalate
Concen: 43.986 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

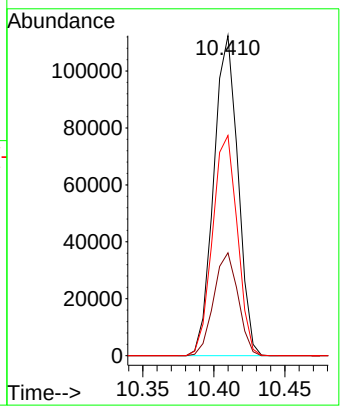




#61
4-Chlorophenyl-phenylether
Concen: 42.035 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:204 Resp: 13356

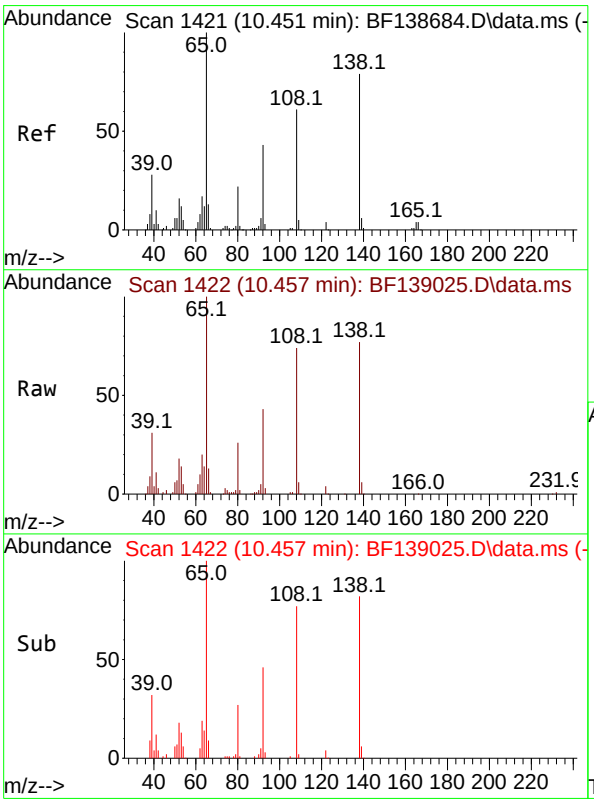
Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.1	39.1
141	68.8	51.4	77.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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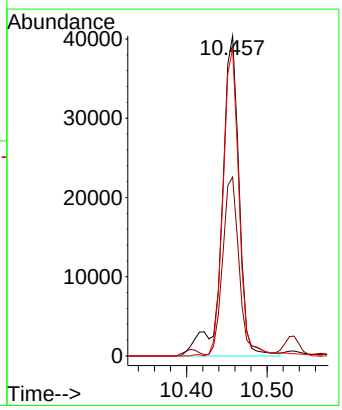
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

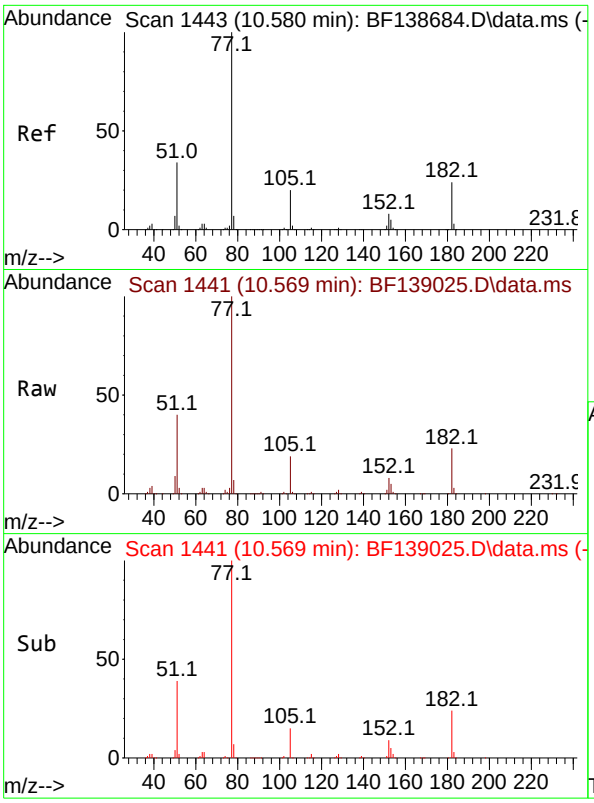


#62
4-Nitroaniline
Concen: 40.574 ng m
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

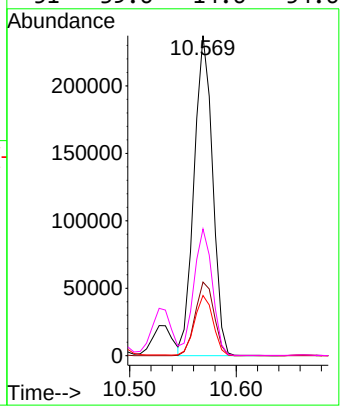
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

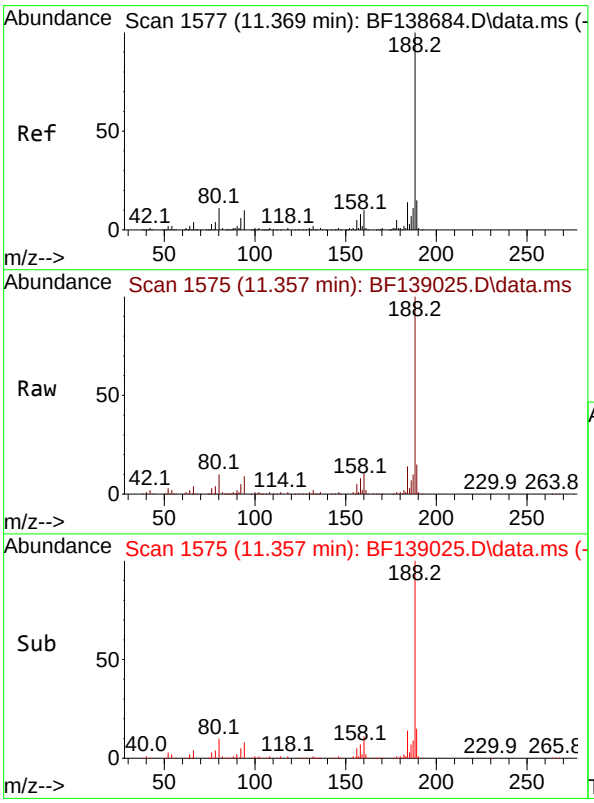
Tgt Ion: 77 Resp: 28811

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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Supervised By :mohammad ahmed 08/17/2024

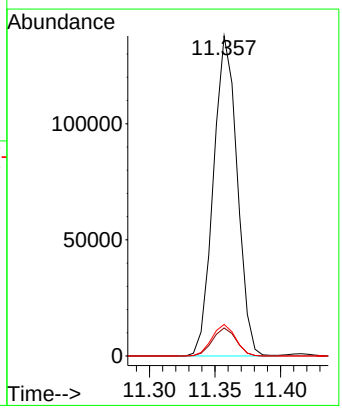


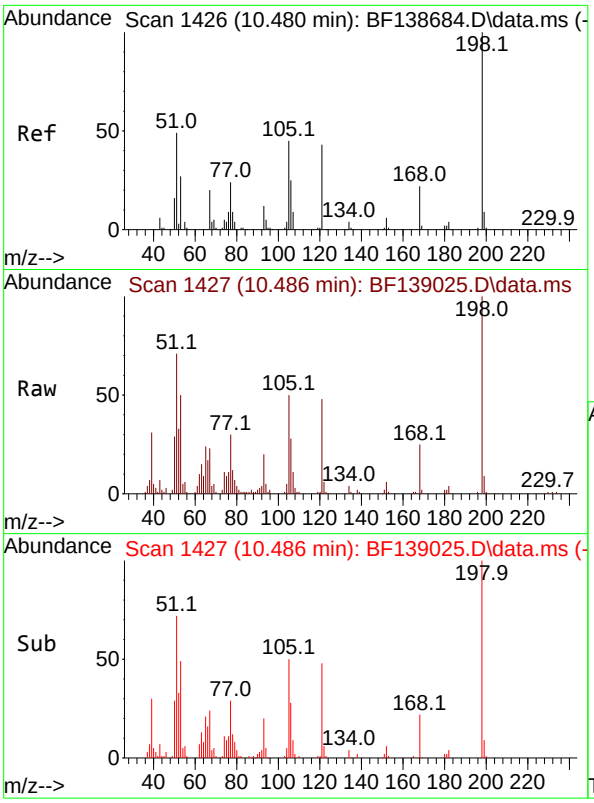


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

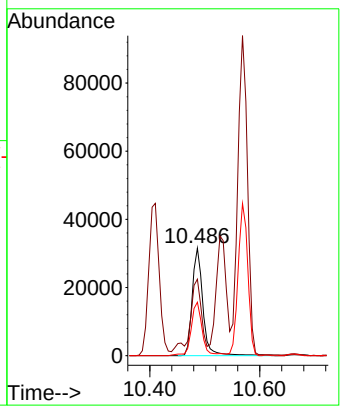




#65
4,6-Dinitro-2-methylphenol
Concen: 40.109 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:198 Resp: 4255

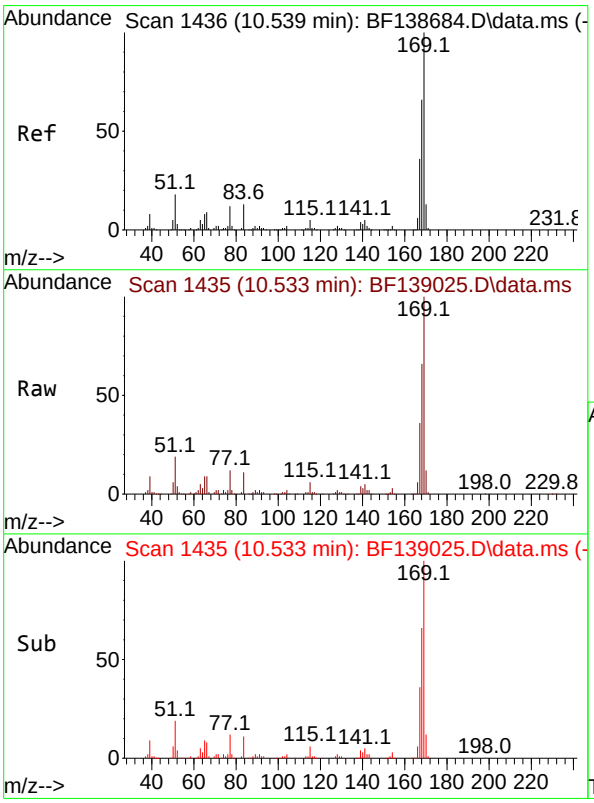
Ion	Ratio	Lower	Upper
198	100		
51	71.0	39.9	79.9
105	49.6	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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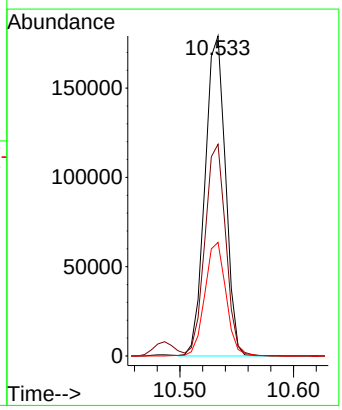
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

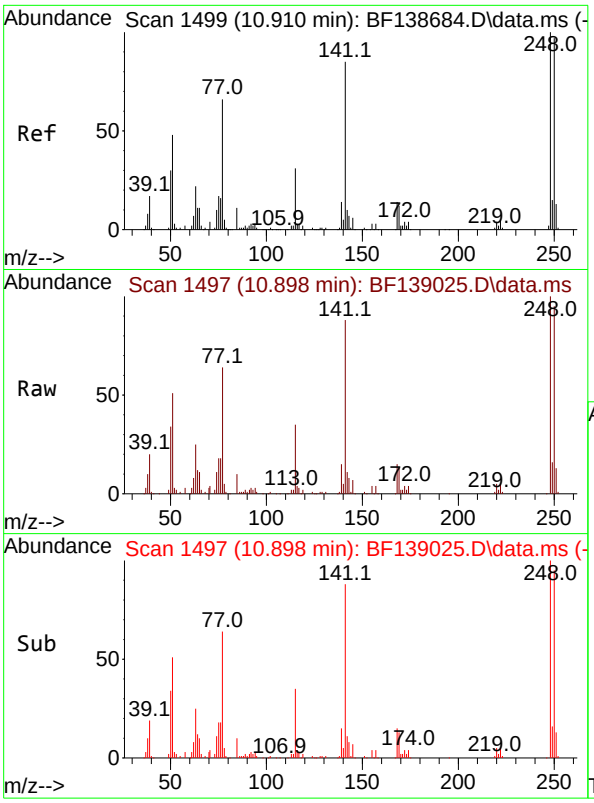


#66
n-Nitrosodiphenylamine
Concen: 41.293 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

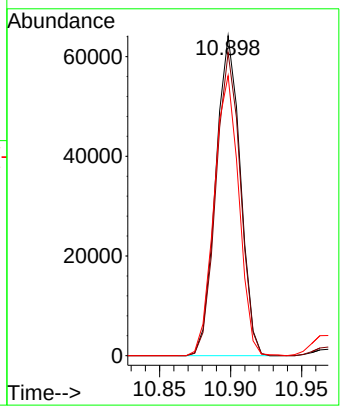




#67
4-Bromophenyl-phenylether
Concen: 40.980 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:248 Resp: 7715

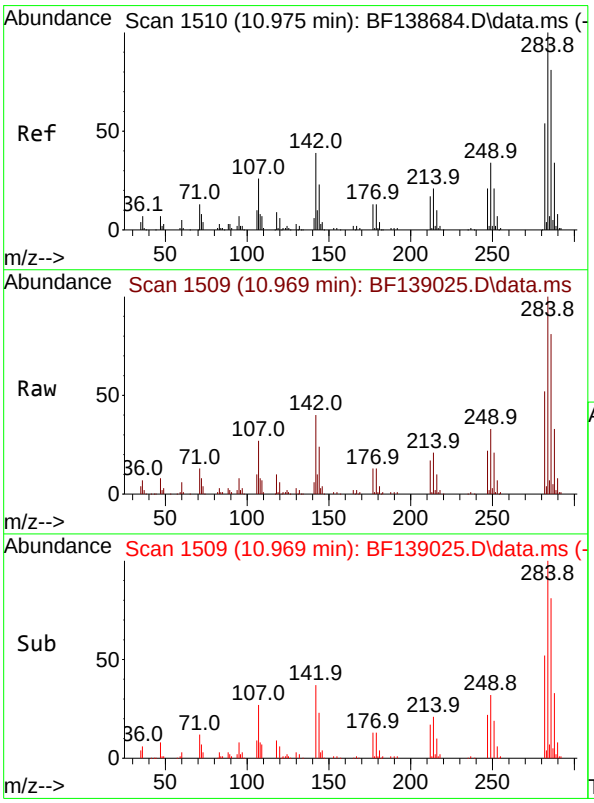
Ion	Ratio	Lower	Upper
248	100		
250	94.7	77.7	116.5
141	87.5	68.0	102.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

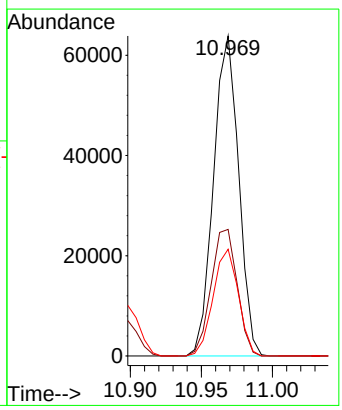
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

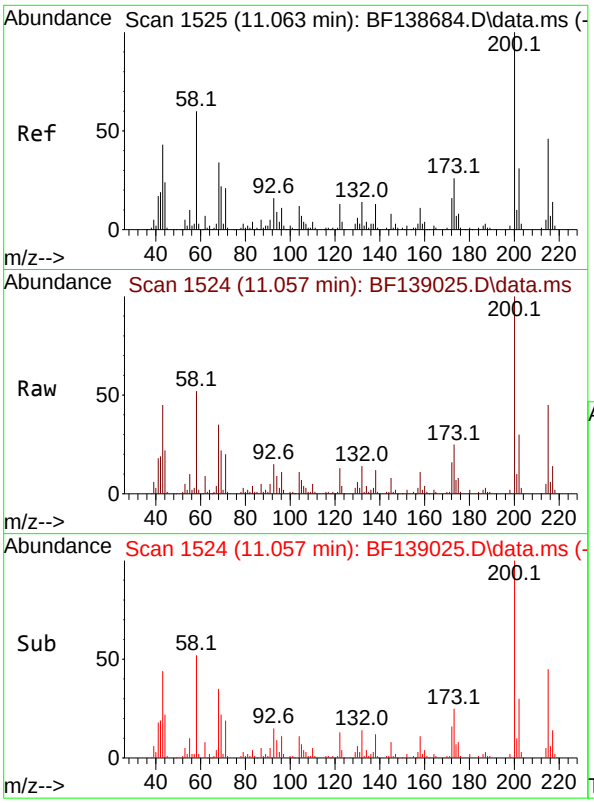


#68
Hexachlorobenzene
Concen: 40.368 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

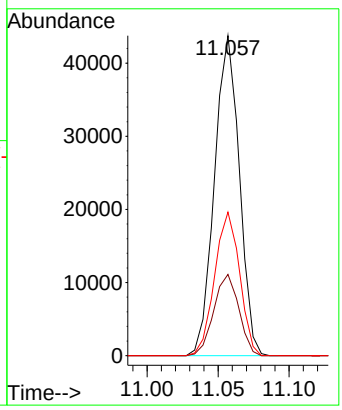




#69
Atrazine
Concen: 37.965 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:200 Resp: 5324

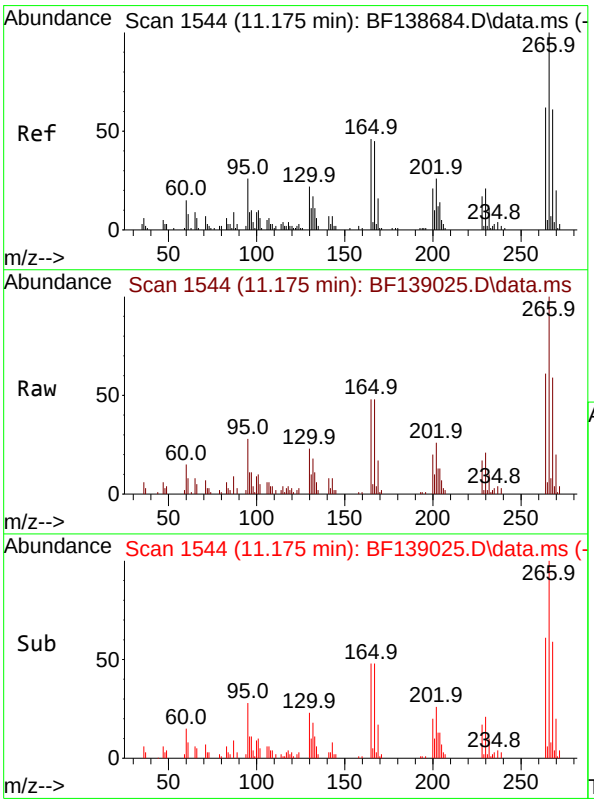
Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.0	46.0
215	44.9	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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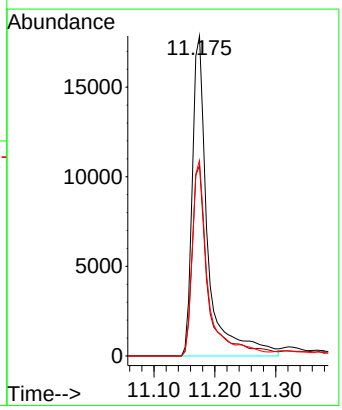
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

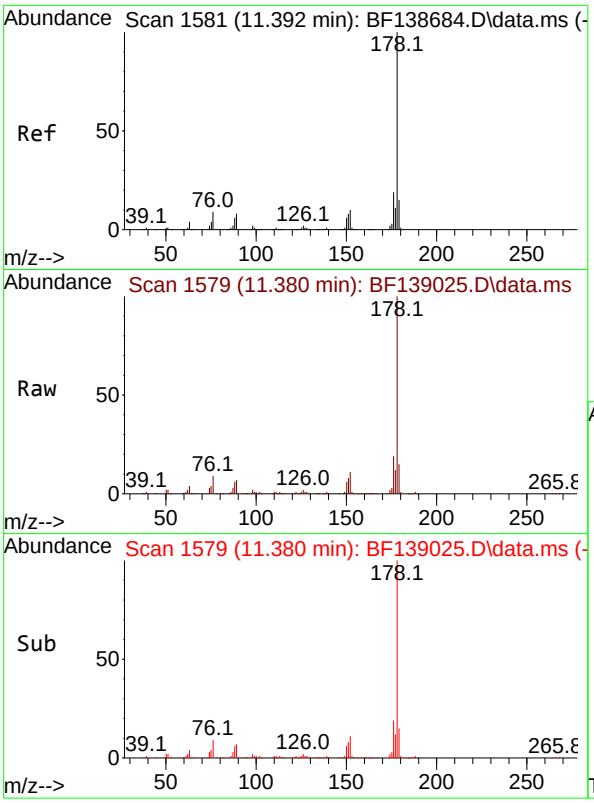


#70
Pentachlorophenol
Concen: 36.280 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

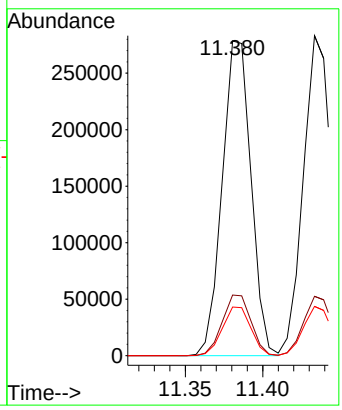




#71
Phenanthrene
Concen: 40.236 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:178 Resp: 36027

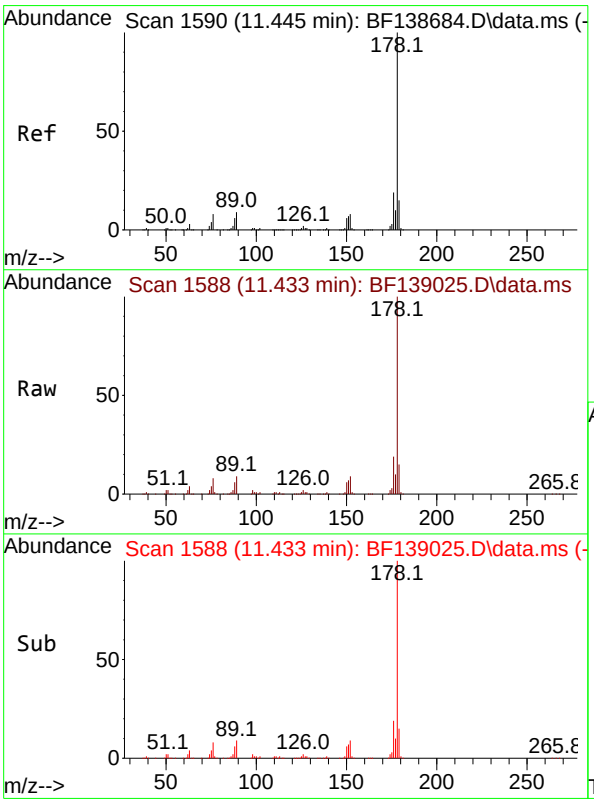
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

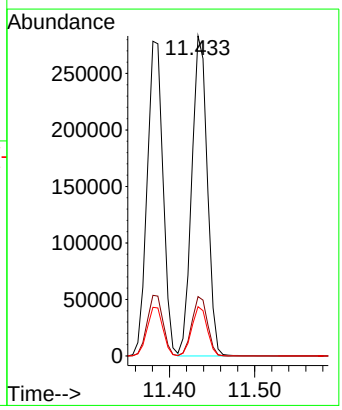
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

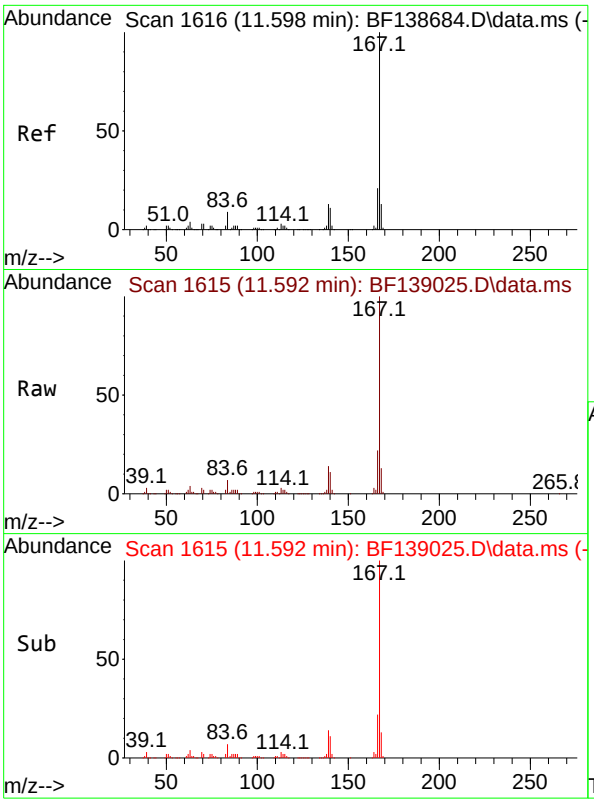


#72
Anthracene
Concen: 40.615 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

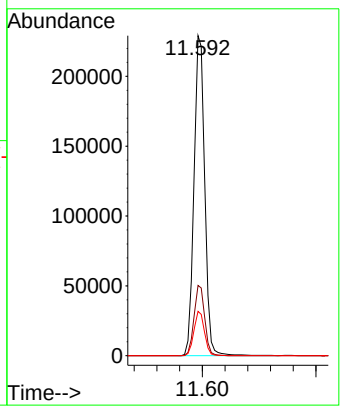




#73
Carbazole
Concen: 39.675 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:167 Resp: 30194

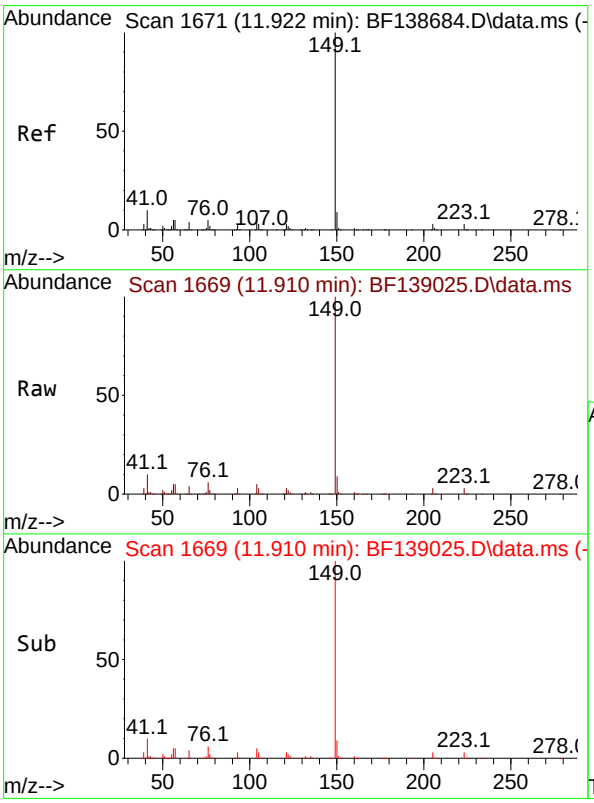
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	13.8	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

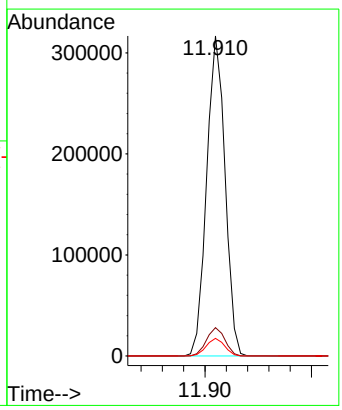
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

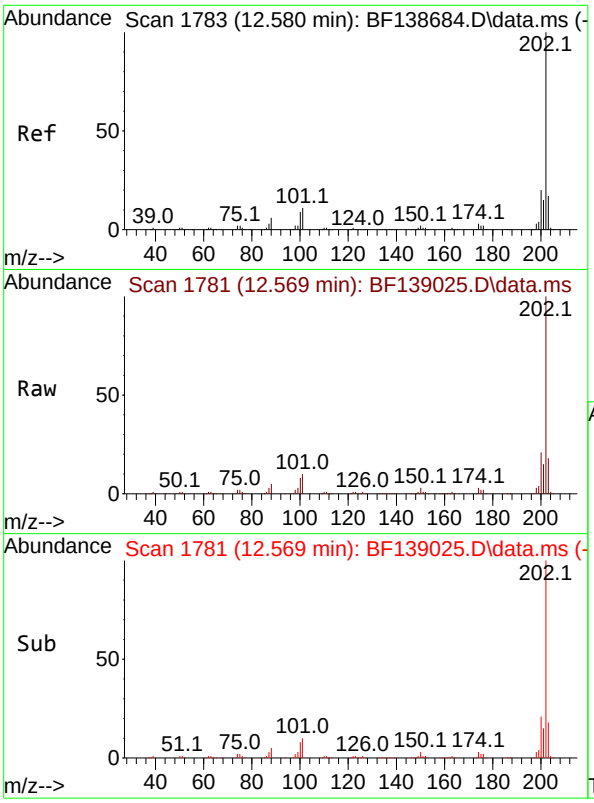


#74
Di-n-butylphthalate
Concen: 44.460 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

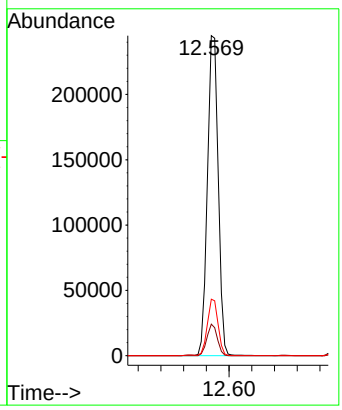




#75
Fluoranthene
Concen: 38.519 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:202 Resp: 32198

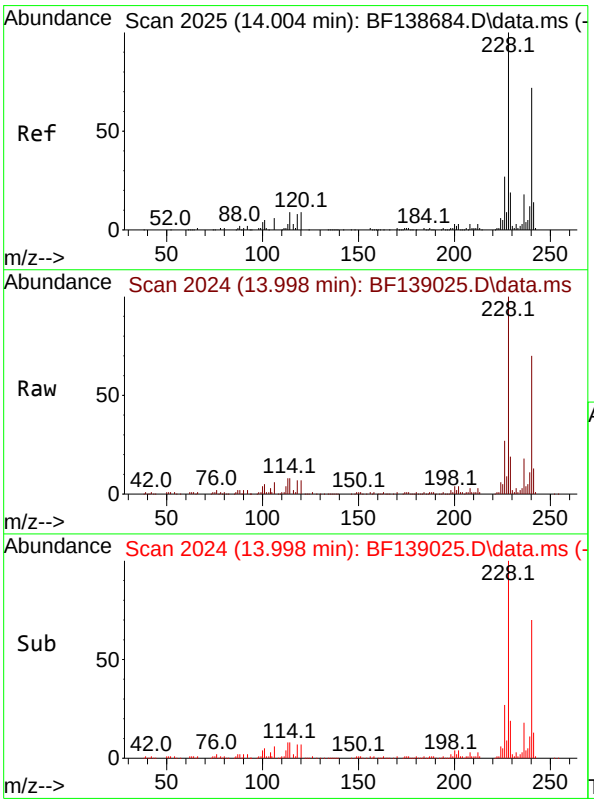
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.2
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

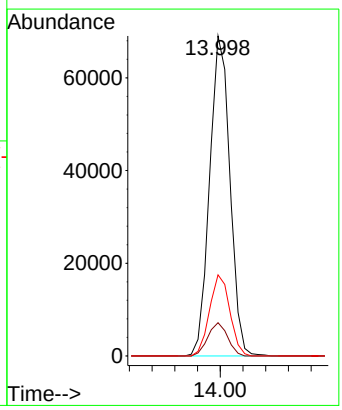
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

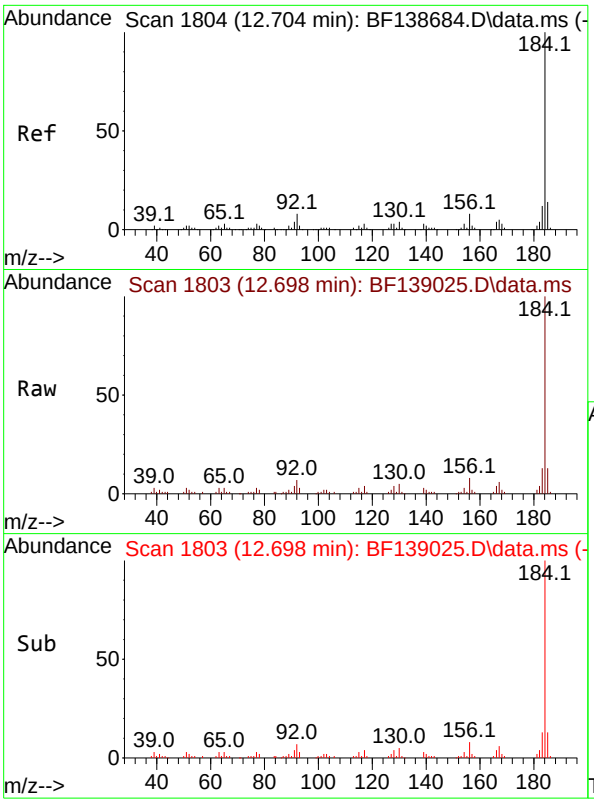


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

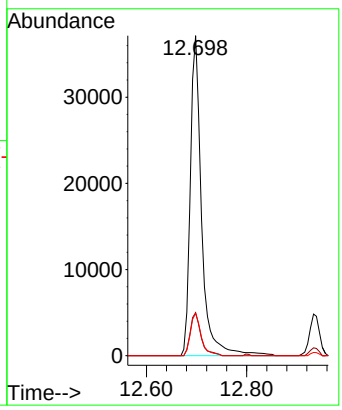




#77
Benzidine
Concen: 28.350 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:184 Resp: 5810

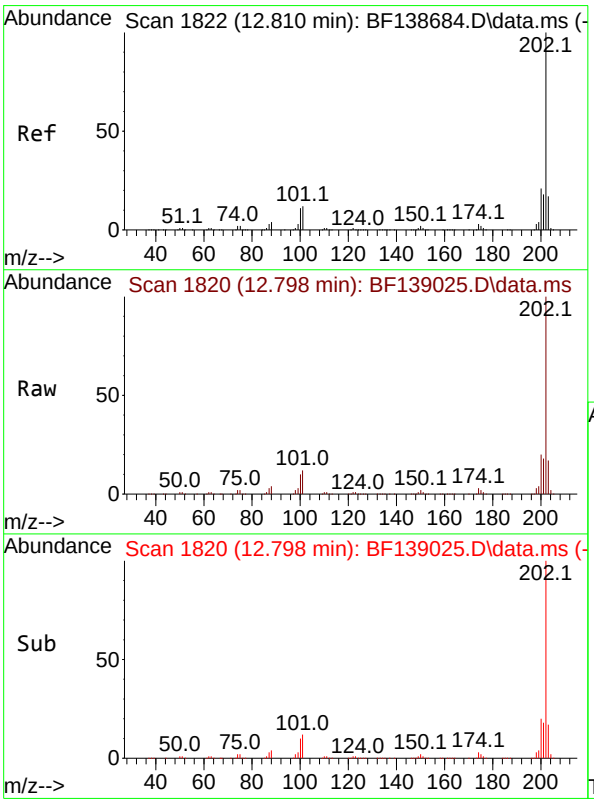
Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.1	16.7
183	13.3	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

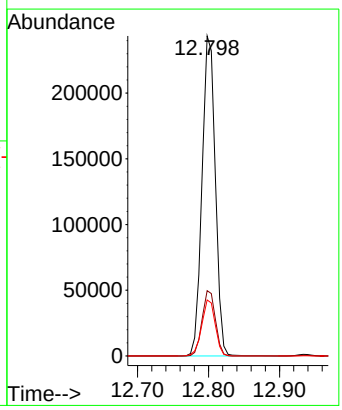
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

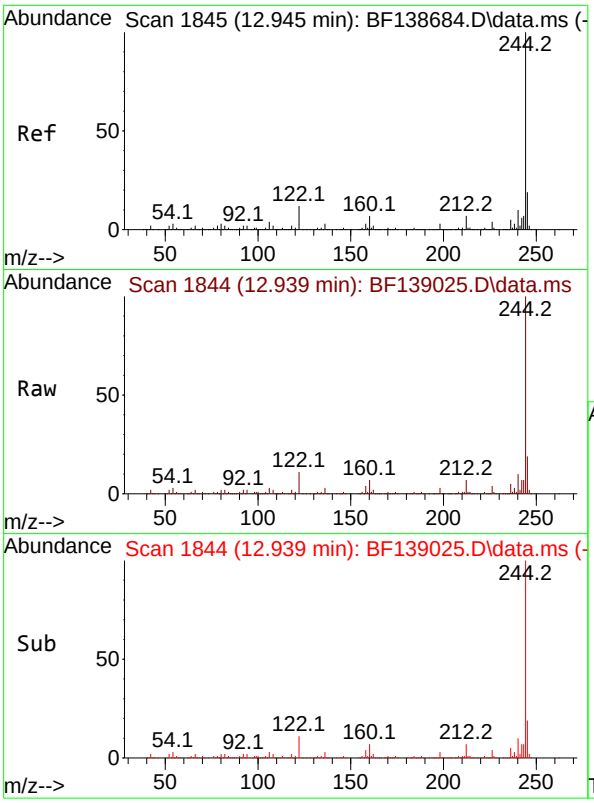


#78
Pyrene
Concen: 39.402 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

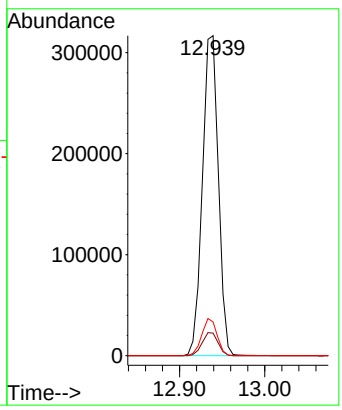




#79
Terphenyl-d14
Concen: 80.418 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:244 Resp: 41158

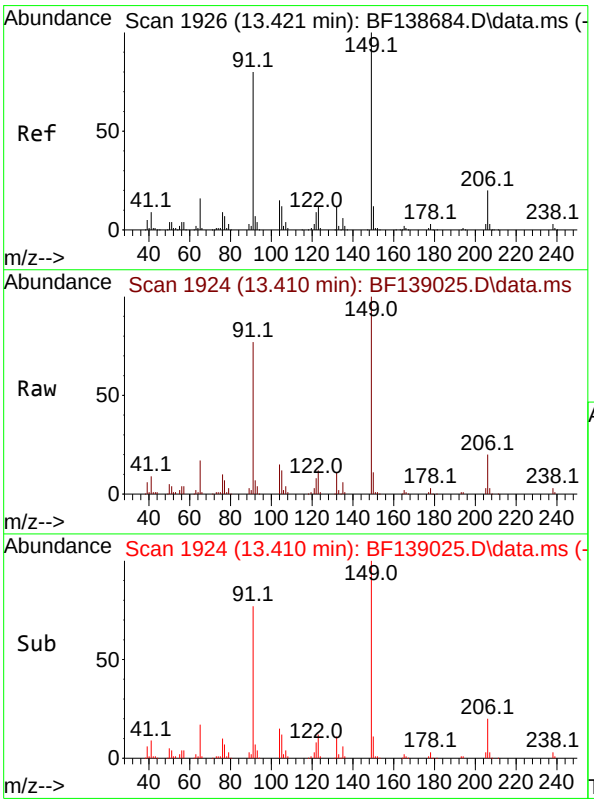
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.6	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

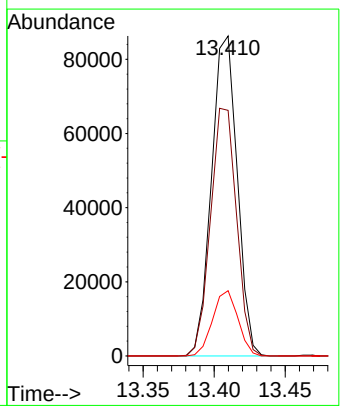
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

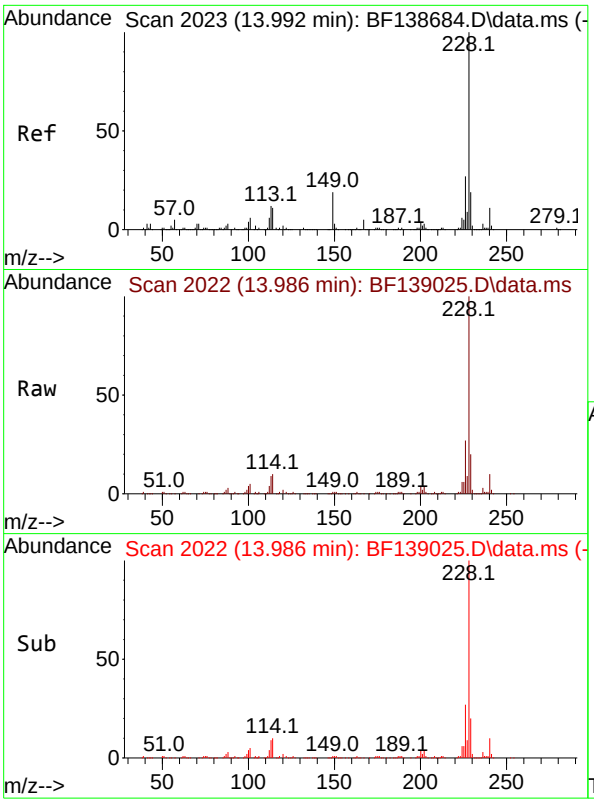


#80
Butylbenzylphthalate
Concen: 42.091 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

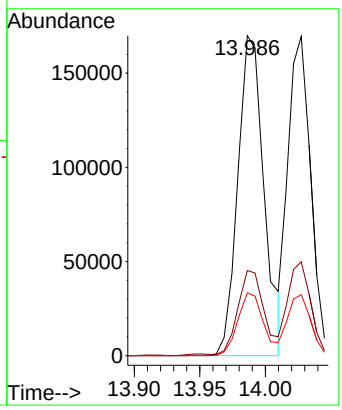
Tgt Ion:228 Resp: 23652

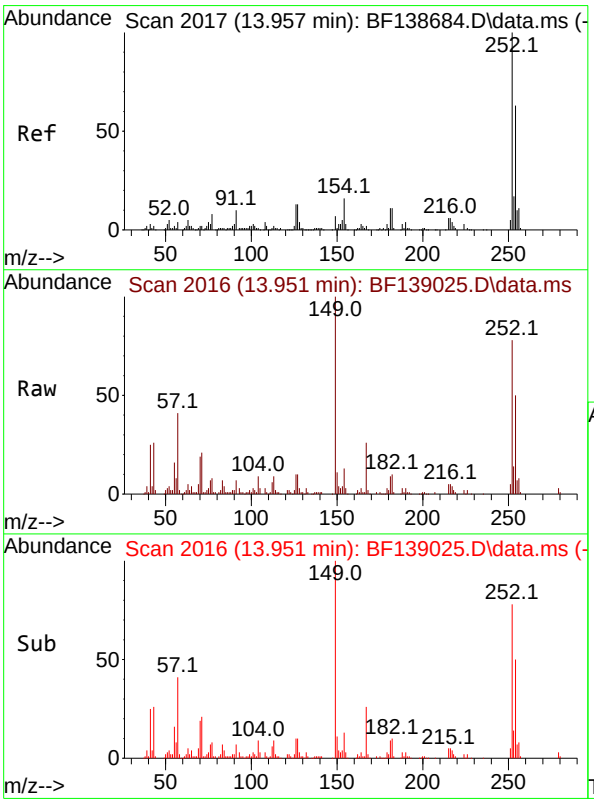
Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	19.7	15.4	23.0

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

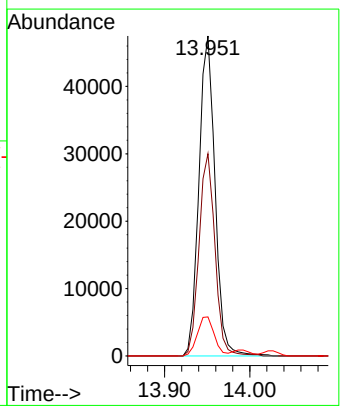


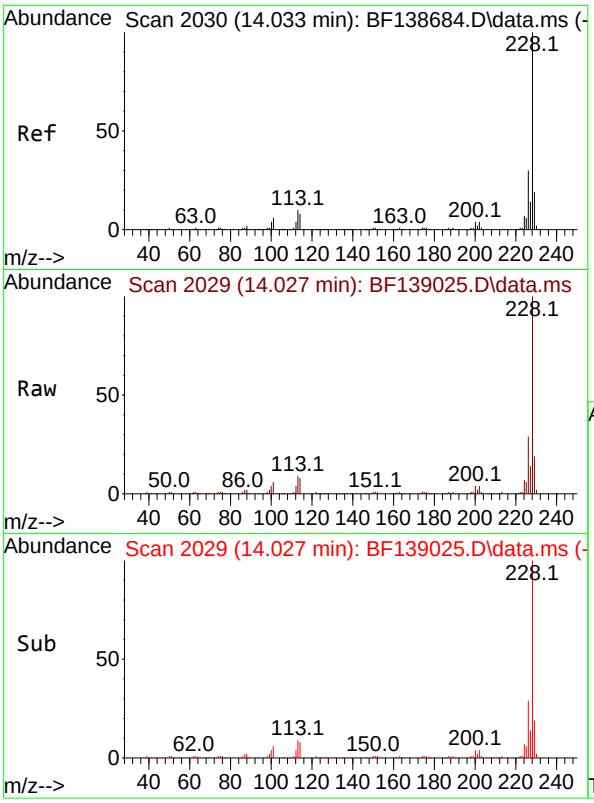


#82
3,3'-Dichlorobenzidine
Concen: 41.290 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

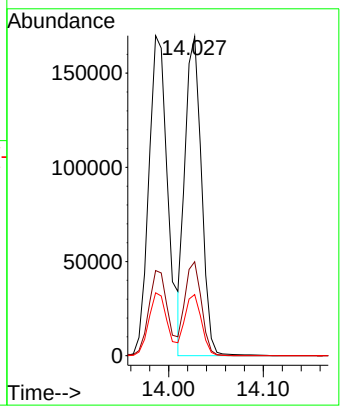
Tgt Ion:228 Resp: 20516

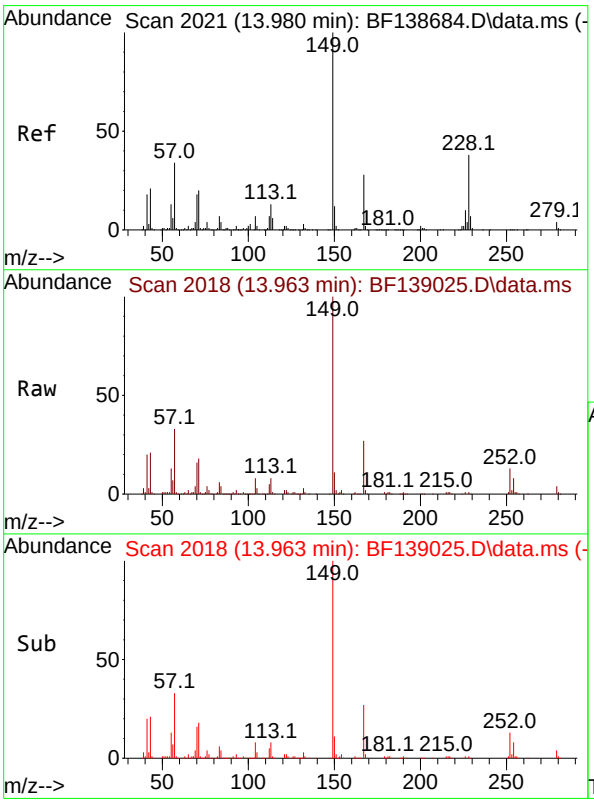
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.7	35.5
229	19.2	15.0	22.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

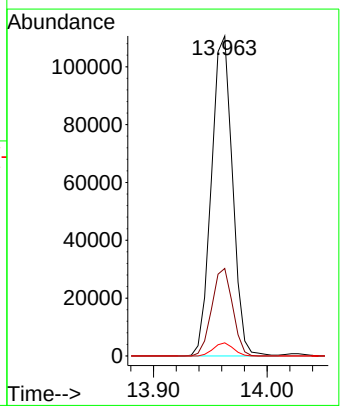


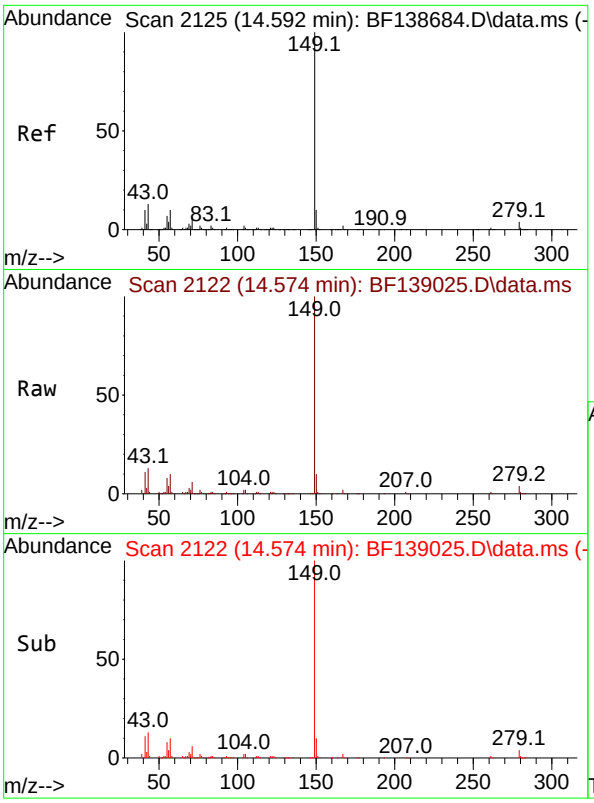


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.771 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

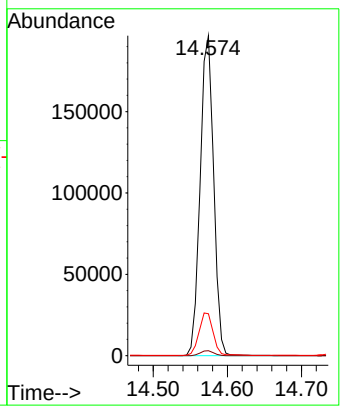




#85
Di-n-octyl phthalate
Concen: 35.673 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:149 Resp: 24969

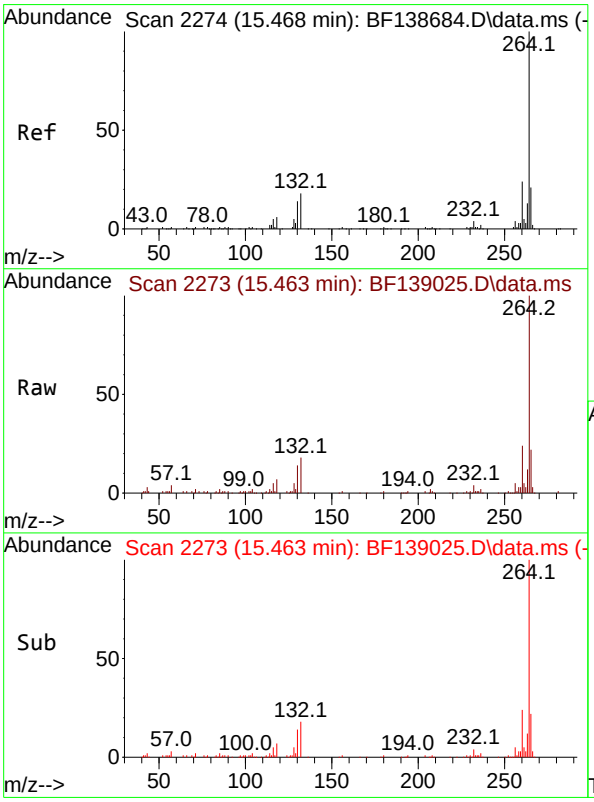
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.9	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

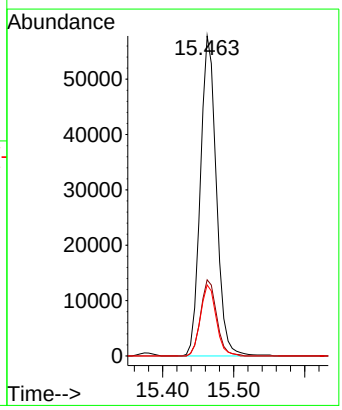
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

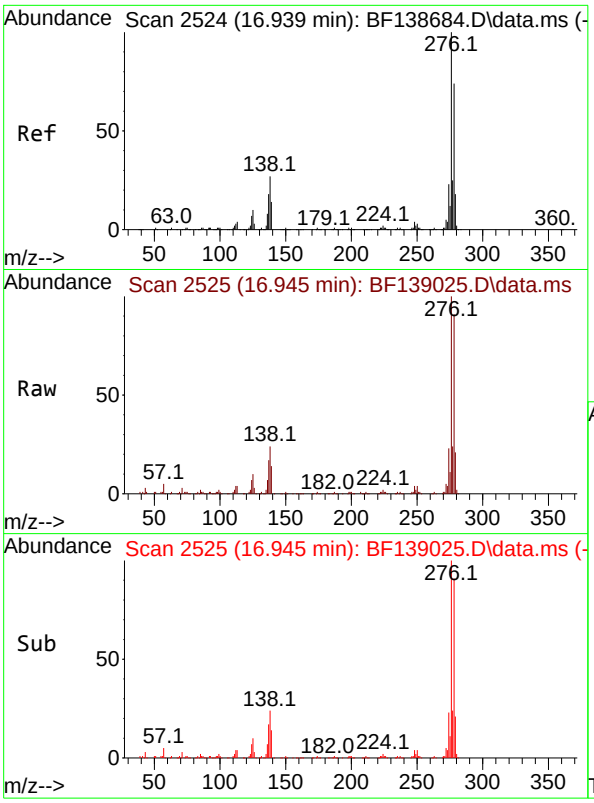


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

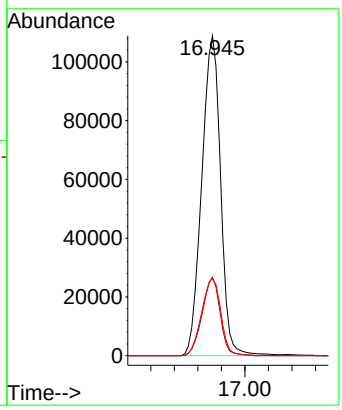




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.370 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:276 Resp: 24215

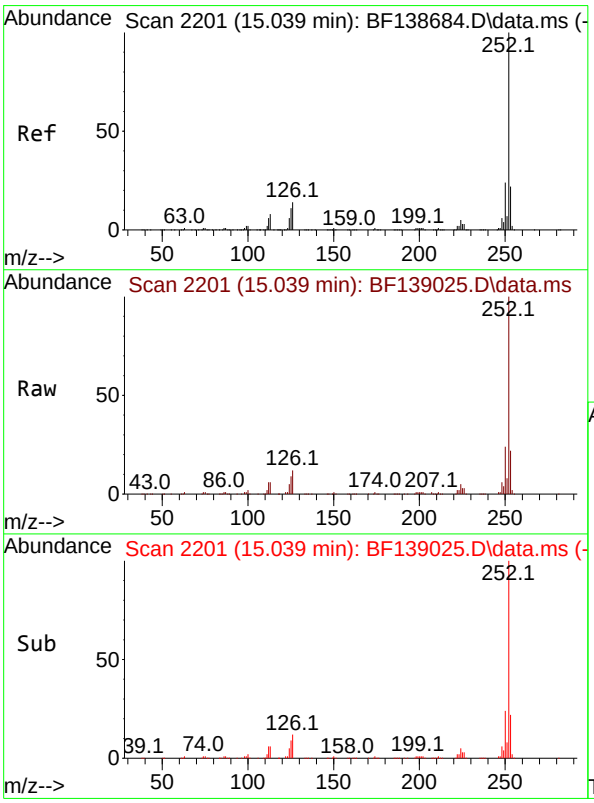
Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.8	32.8
277	24.7	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

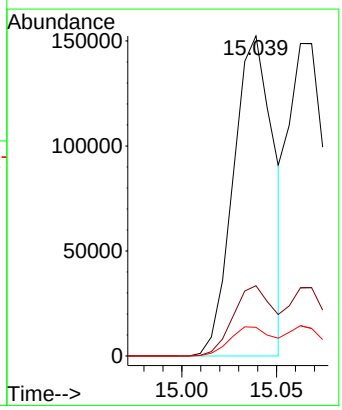
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

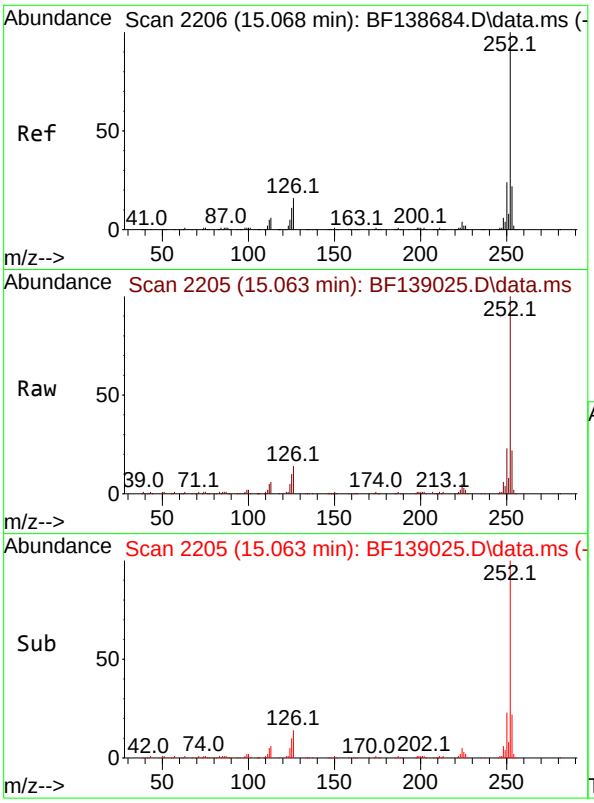


#88
Benzo(b)fluoranthene
Concen: 40.015 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

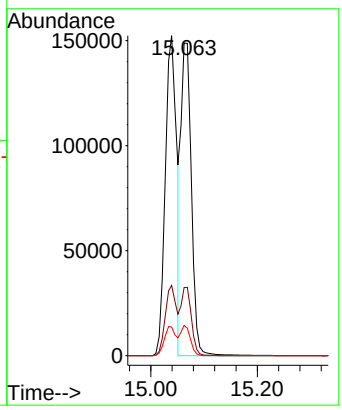




#89
Benzo(k)fluoranthene
Concen: 42.081 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:252 Resp: 20422

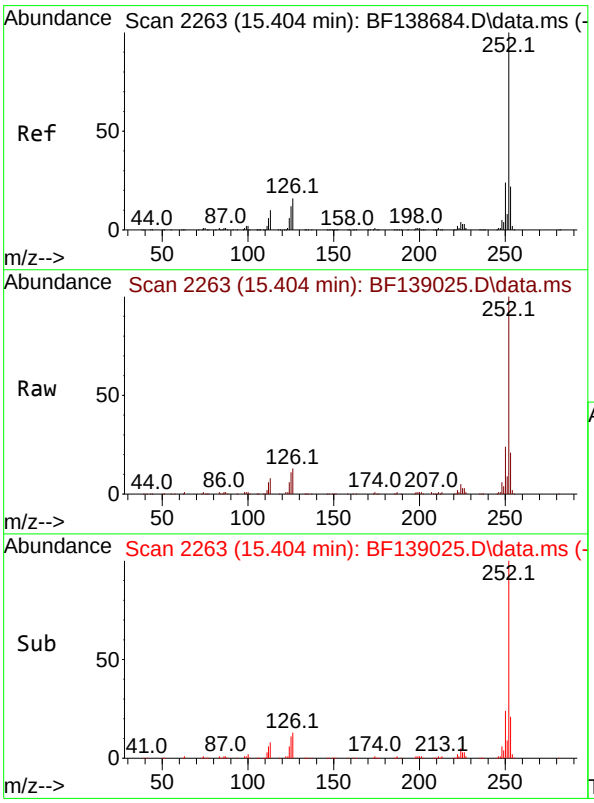
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	9.7	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

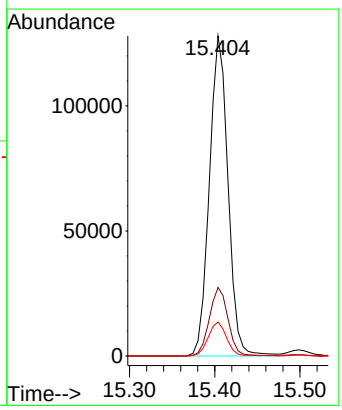
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

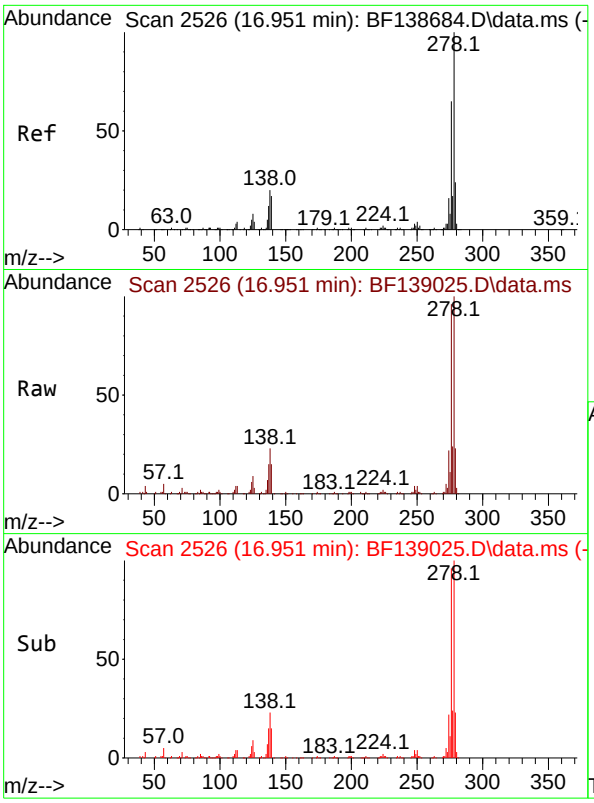


#90
Benzo(a)pyrene
Concen: 41.192 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

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

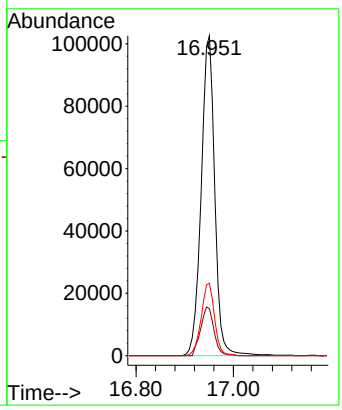




#91
Dibenzo(a,h)anthracene
Concen: 37.290 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139025.D
Acq: 15 Aug 2024 16:31

Tgt Ion:278 Resp: 19835

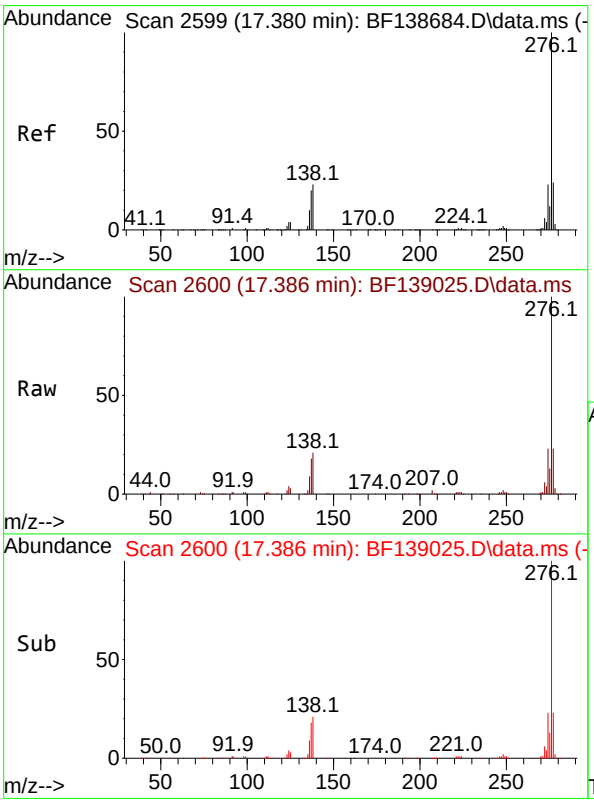
Ion	Ratio	Lower	Upper
278	100		
139	14.7	14.0	21.0
279	22.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

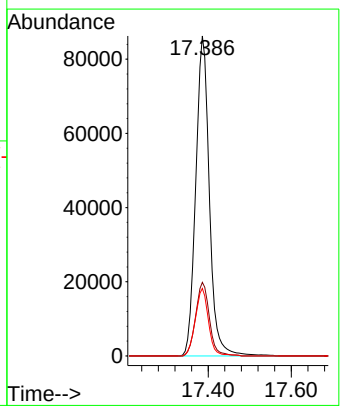
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#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	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

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

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.: P3475 SAS No.: P3475 SDG No.: P3475

Instrument ID: BNA_F Calibration Date/Time: 08/16/2024 10:14

Lab File ID: BF139049.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	1.277		-1.5	
Phenol-d6	1.740	1.702		-2.2	
Nitrobenzene-d5	0.409	0.434		6.1	
2-Fluorobiphenyl	1.331	1.401		5.3	
2,4,6-Tribromophenol	0.164	0.161		-1.8	
Terphenyl-d14	1.195	1.271		6.4	
Benzo(a)anthracene	1.377	1.345		-2.3	
Benzo(a)pyrene	1.043	1.051		0.8	20.0
Dibenzo(a,h)anthracene	1.177	1.089		-7.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 11:05:05 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 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/17/2024
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	62968	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	249711	20.000	ng		0.00
39) Acenaphthene-d10	9.875	164	137022	20.000	ng		0.00
64) Phenanthrene-d10	11.357	188	227673	20.000	ng		-0.01
76) Chrysene-d12	14.004	240	105031	20.000	ng		# 0.00
86) Perylene-d12	15.468	264	114377	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	321636	78.849	ng		0.00
7) Phenol-d6	6.493	99	428675	78.273	ng		0.00
23) Nitrobenzene-d5	7.410	82	433472	84.870	ng		0.00
42) 2,4,6-Tribromophenol	10.669	330	88212	78.593	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	767825	84.195	ng		-0.01
79) Terphenyl-d14	12.939	244	533878	85.104	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.581	88	65007	36.401	ng		96
3) Pyridine	3.340	79	161111	37.241	ng		92
4) n-Nitrosodimethylamine	3.316	42	114727	44.527	ng		82
6) Aniline	6.510	93	189632	38.826	ng	#	62
8) 2-Chlorophenol	6.634	128	166734	38.850	ng		99
9) Benzaldehyde	6.398	77	118638	36.137	ng		99
10) Phenol	6.504	94	219260	38.024	ng	#	75
11) bis(2-Chloroethyl)ether	6.581	93	164212	37.007	ng		100
12) 1,3-Dichlorobenzene	6.775	146	188497	39.237	ng		98
13) 1,4-Dichlorobenzene	6.857	146	190376	39.267	ng		98
14) 1,2-Dichlorobenzene	7.010	146	182703	40.323	ng		99
15) Benzyl Alcohol	6.993	79	167236	42.367	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.110	45	283442	37.117	ng	#	45
17) 2-Methylphenol	7.104	107	138355	39.041	ng	#	88
18) Hexachloroethane	7.345	117	74111	40.610	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	136129	41.154	ng		96
20) 3+4-Methylphenols	7.263	107	186191	40.949	ng	#	79
22) Acetophenone	7.257	105	258017	42.200	ng		97
24) Nitrobenzene	7.428	77	214085	41.192	ng		100
25) Isophorone	7.669	82	354832	40.686	ng		98
26) 2-Nitrophenol	7.740	139	92441	41.342	ng		92
27) 2,4-Dimethylphenol	7.781	122	107303	40.109	ng		96
28) bis(2-Chloroethoxy)met...	7.869	93	209896	39.521	ng		99
29) 2,4-Dichlorophenol	7.992	162	141784	41.243	ng		99
30) 1,2,4-Trichlorobenzene	8.063	180	160776	40.526	ng		99
31) Naphthalene	8.145	128	528119	40.179	ng		100
32) Benzoic acid	7.945	122	72420m	34.437	ng		
33) 4-Chloroaniline	8.198	127	171404	38.848	ng		96
34) Hexachlorobutadiene	8.251	225	105864	44.056	ng		97
35) Caprolactam	8.587	113	43236m	42.150	ng		
36) 4-Chloro-3-methylphenol	8.687	107	163681	41.662	ng		98
37) 2-Methylnaphthalene	8.828	142	340362	41.002	ng		100
38) 1-Methylnaphthalene	8.928	142	332709	40.902	ng		98
40) 1,2,4,5-Tetrachloroben...	8.998	216	156178	41.031	ng		100
41) Hexachlorocyclopentadiene	8.975	237	32737	36.631	ng		98
43) 2,4,6-Trichlorophenol	9.116	196	90860	39.151	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 11:05:05 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 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	98486	38.819	ng		99
46) 1,1'-Biphenyl	9.292	154	439705	40.974	ng		98
47) 2-Chloronaphthalene	9.322	162	318873	39.953	ng		99
48) 2-Nitroaniline	9.428	65	113063	41.786	ng		96
49) Acenaphthylene	9.734	152	453457	40.059	ng		100
50) Dimethylphthalate	9.598	163	368989	42.115	ng		100
51) 2,6-Dinitrotoluene	9.669	165	83446	42.202	ng		87
52) Acenaphthene	9.910	154	301111	39.571	ng		99
53) 3-Nitroaniline	9.839	138	80232	39.251	ng		93
54) 2,4-Dinitrophenol	9.957	184	37359	41.045	ng	#	78
55) Dibenzofuran	10.081	168	432726	40.286	ng		97
56) 4-Nitrophenol	10.022	139	45688	37.169	ng		88
57) 2,4-Dinitrotoluene	10.075	165	107926	42.782	ng	#	77
58) Fluorene	10.422	166	353173	41.289	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	72538	37.398	ng		93
60) Diethylphthalate	10.292	149	361383	43.502	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	175925	41.818	ng		96
62) 4-Nitroaniline	10.457	138	76973m	39.626	ng		
63) Azobenzene	10.569	77	383027	41.572	ng		95
65) 4,6-Dinitro-2-methylph...	10.492	198	57299	41.252	ng		98
66) n-Nitrosodiphenylamine	10.534	169	292203	41.060	ng		100
67) 4-Bromophenyl-phenylether	10.898	248	100606	40.814	ng		95
68) Hexachlorobenzene	10.969	284	103036	40.484	ng		98
69) Atrazine	11.057	200	64375	35.061	ng		99
70) Pentachlorophenol	11.175	266	39544	34.470	ng		98
71) Phenanthrene	11.386	178	468646	39.975	ng		100
72) Anthracene	11.439	178	464138	40.188	ng		99
73) Carbazole	11.598	167	395975	39.741	ng		100
74) Di-n-butylphthalate	11.910	149	506144	45.187	ng		99
75) Fluoranthene	12.575	202	417649	38.161	ng		98
77) Benzidine	12.698	184	99545	39.625	ng		99
78) Pyrene	12.804	202	412208	41.683	ng		99
80) Butylbenzylphthalate	13.410	149	138648	43.783	ng		100
81) Benzo(a)anthracene	13.992	228	282588	39.071	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	77868	42.071	ng		99
83) Chrysene	14.027	228	265018	40.614	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	178456	38.484	ng		98
85) Di-n-octyl phthalate	14.574	149	313261	36.513	ng		99
87) Indeno(1,2,3-cd)pyrene	16.951	276	303005	36.967	ng		96
88) Benzo(b)fluoranthene	15.039	252	289113	40.776	ng		99
89) Benzo(k)fluoranthene	15.069	252	239814	39.065	ng		98
90) Benzo(a)pyrene	15.410	252	240490	40.324	ng		98
91) Dibenzo(a,h)anthracene	16.957	278	249171	37.033	ng		96
92) Benzo(g,h,i)perylene	17.398	276	249615	35.751	ng		95

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

Sample Results: **BF139049.D**

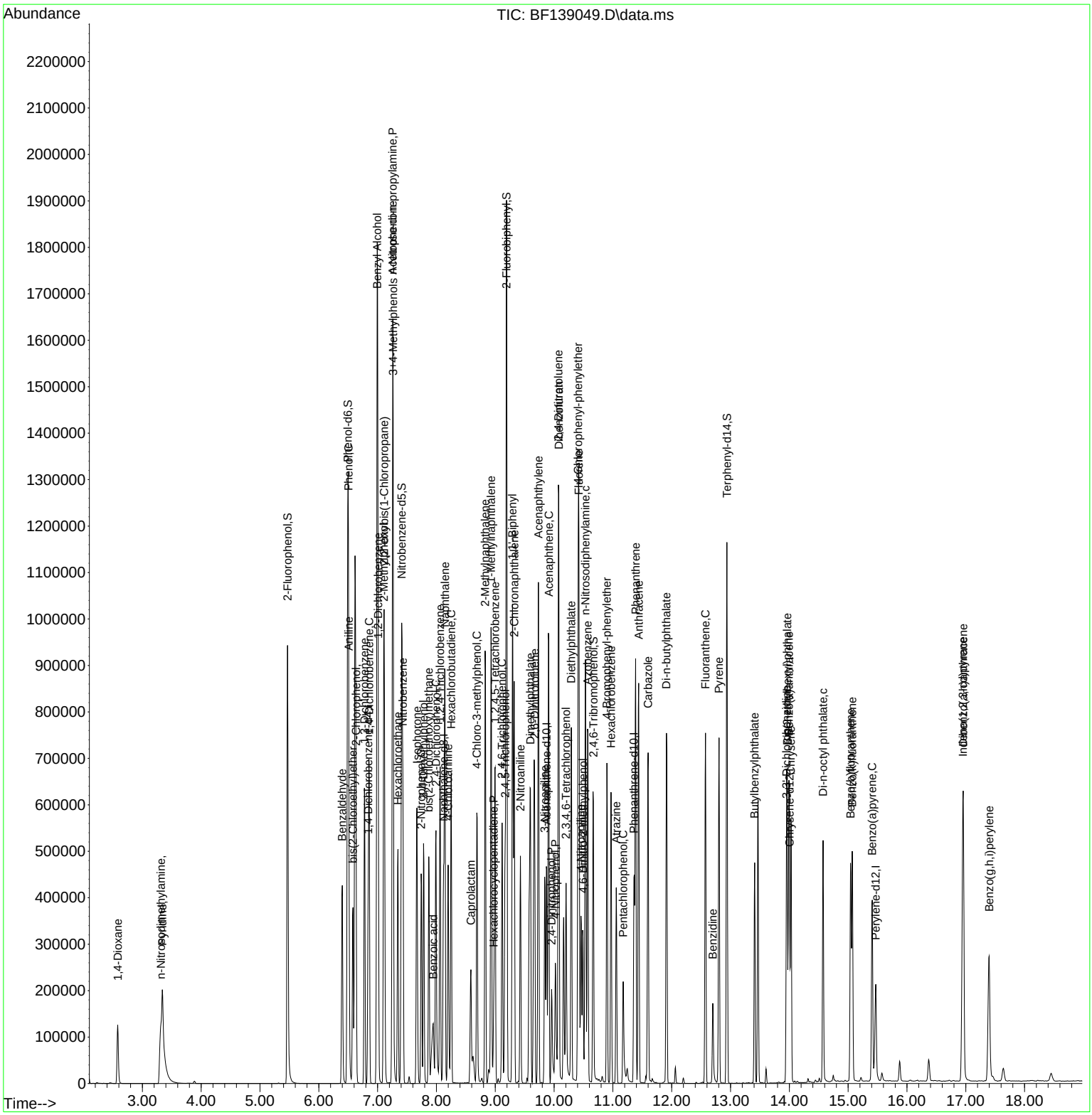
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

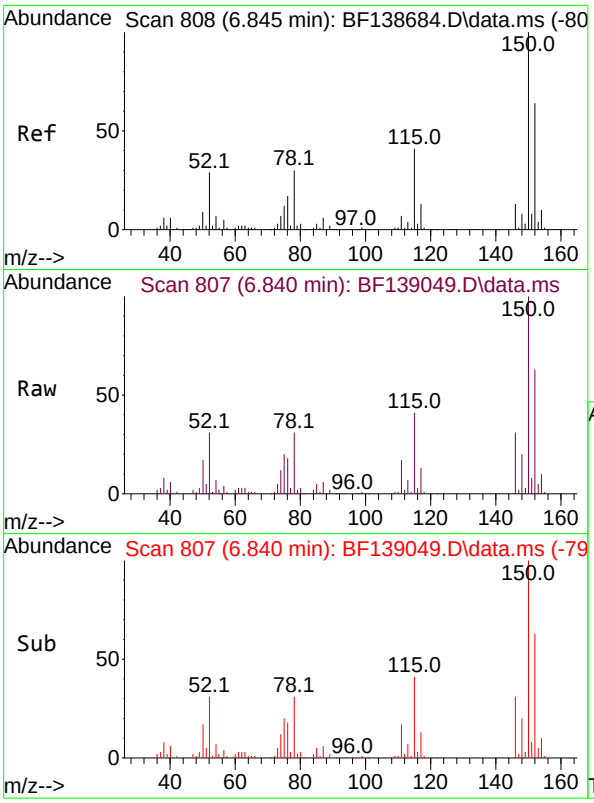
Quant Time: Aug 16 11:05:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

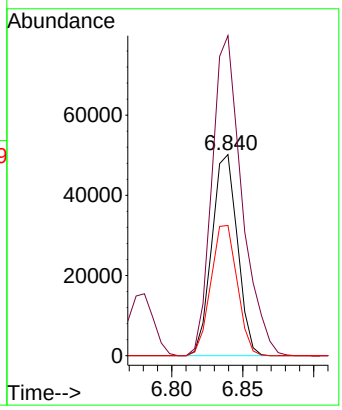




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:152 Resp: 6296

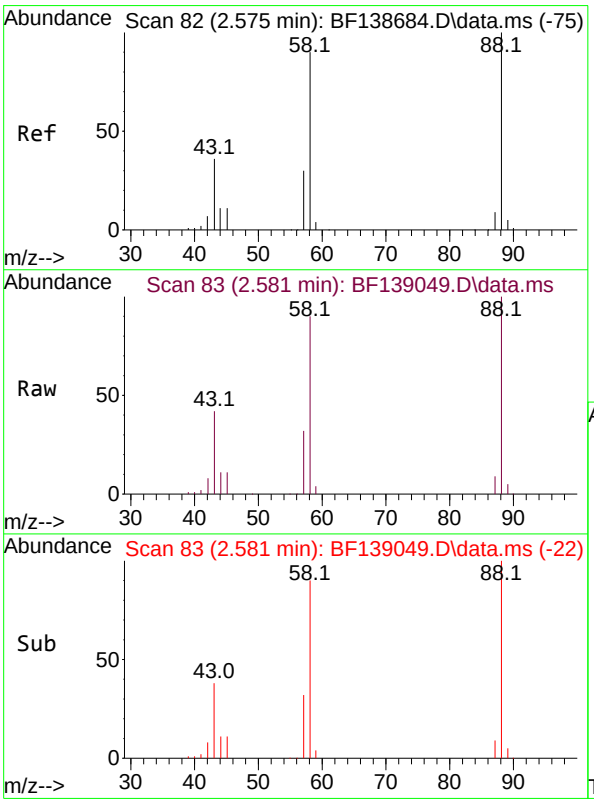
Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.0	189.0
115	64.7	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

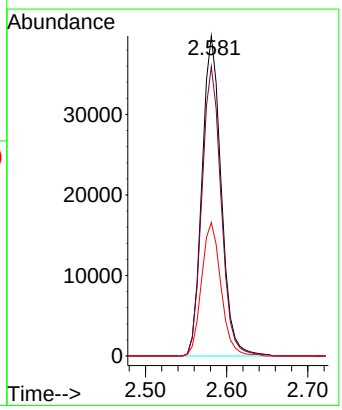
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

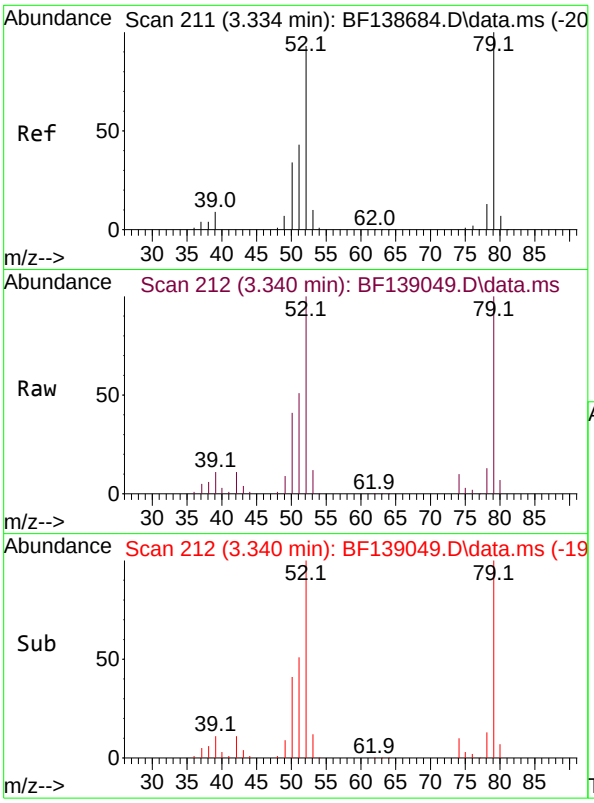


#2
1,4-Dioxane
Concen: 36.401 ng
RT: 2.581 min Scan# 83
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 88 Resp: 65007

Ion	Ratio	Lower	Upper
88	100		
58	90.9	71.6	107.4
43	42.4	28.7	43.1

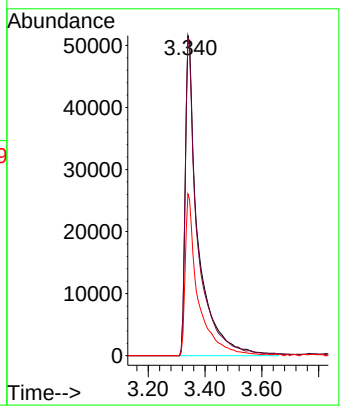




#3
Pyridine
Concen: 37.241 ng
RT: 3.340 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 79 Resp: 16111

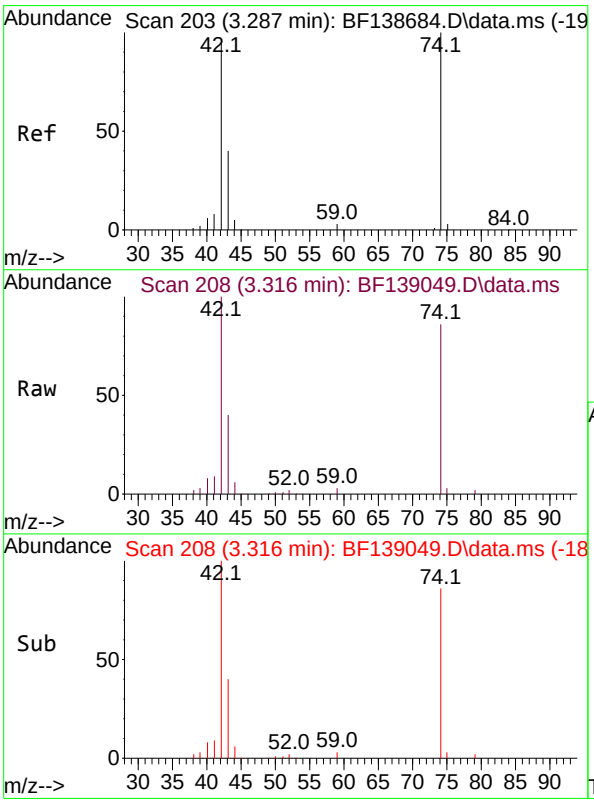
Ion	Ratio	Lower	Upper
79	100		
52	99.6	74.7	112.1
51	50.5	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

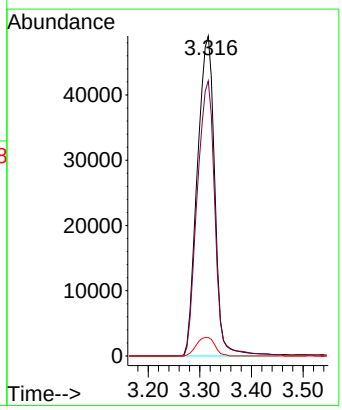
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

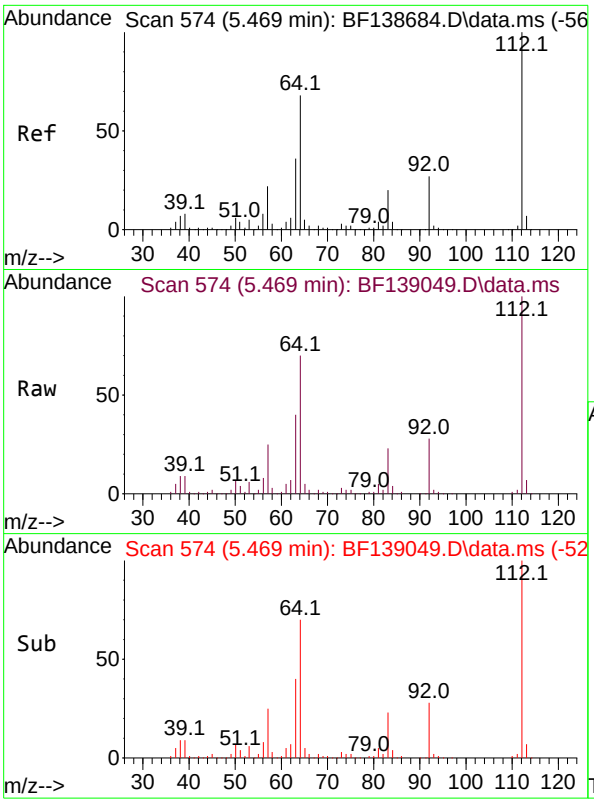


#4
n-Nitrosodimethylamine
Concen: 44.527 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.030 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 42 Resp: 114727

Ion	Ratio	Lower	Upper
42	100		
74	85.9	84.2	126.4
44	5.8	4.9	7.3

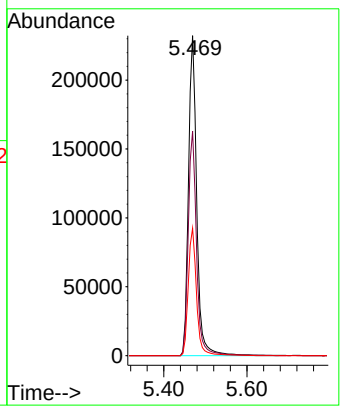




#5
2-Fluorophenol
Concen: 78.849 ng
RT: 5.469 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:112 Resp: 32163

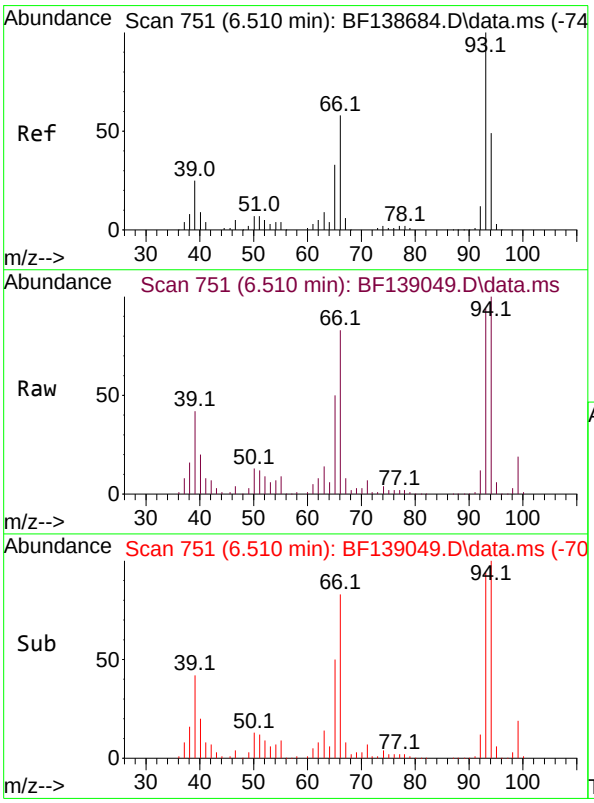
Ion	Ratio	Lower	Upper
112	100		
64	70.2	54.2	81.4
63	39.8	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

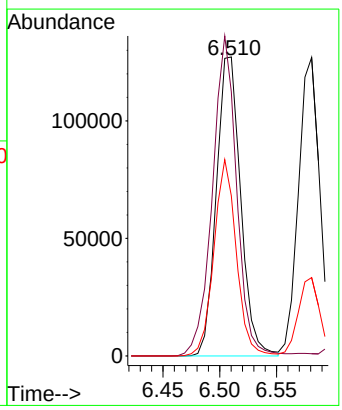
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

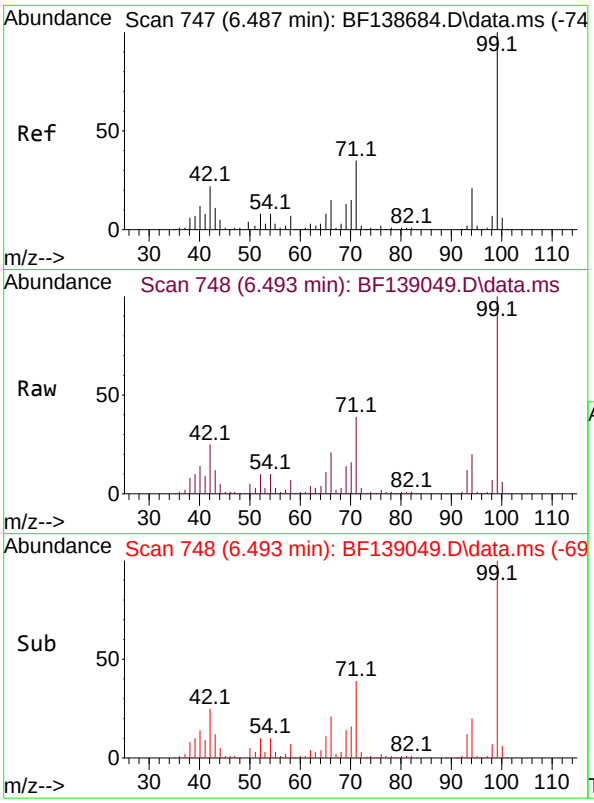


#6
Aniline
Concen: 38.826 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 93 Resp: 189632

Ion	Ratio	Lower	Upper
93	100		
66	88.3	46.9	70.3#
65	53.6	26.5	39.7#

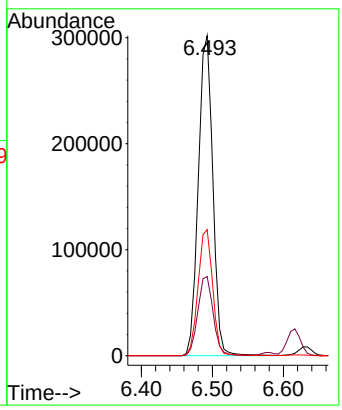




#7
Phenol-d6
Concen: 78.273 ng
RT: 6.493 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 99 Resp: 42867

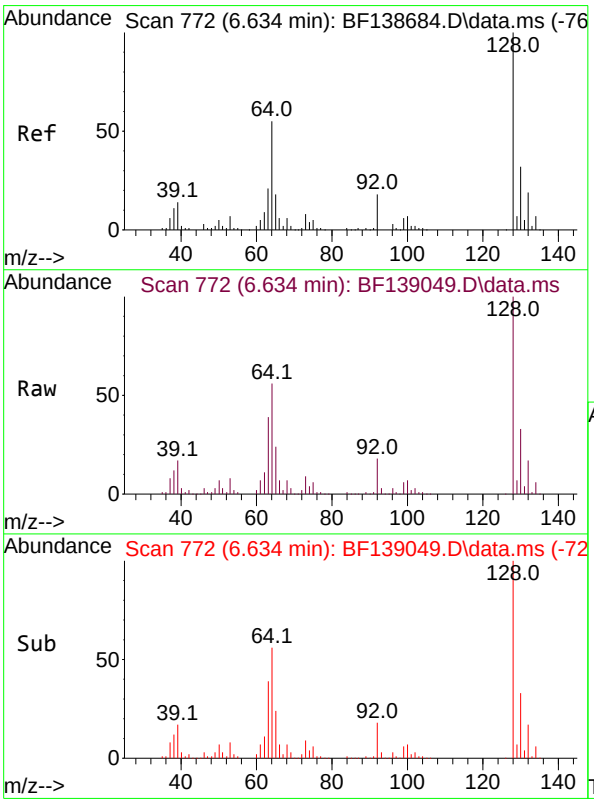
Ion	Ratio	Lower	Upper
99	100		
42	24.8	17.4	26.0
71	39.4	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

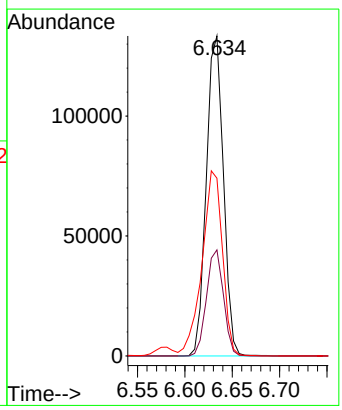
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

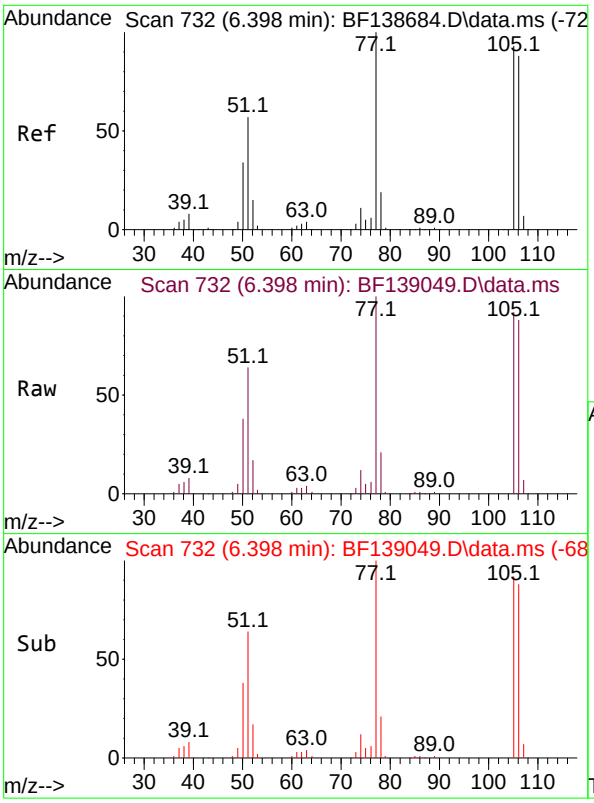


#8
2-Chlorophenol
Concen: 38.850 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:128 Resp: 166734

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.0	52.0
64	55.6	36.3	76.3

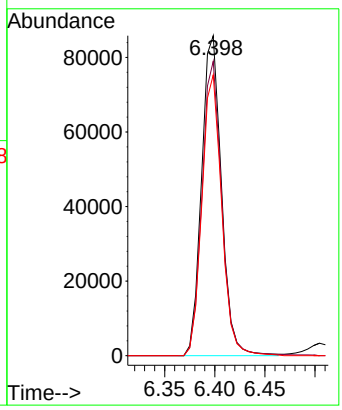




#9
Benzaldehyde
Concen: 36.137 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 77 Resp: 11863

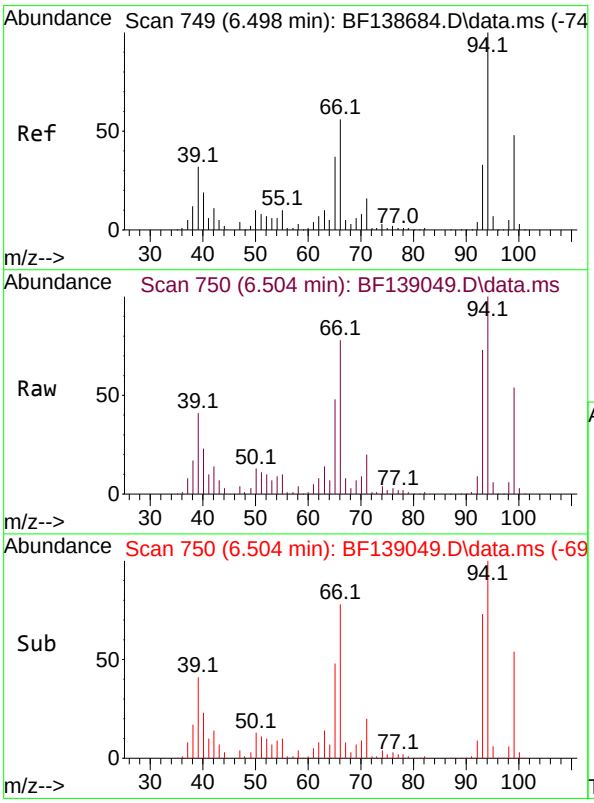
Ion	Ratio	Lower	Upper
77	100		
105	92.0	72.9	112.9
106	87.7	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

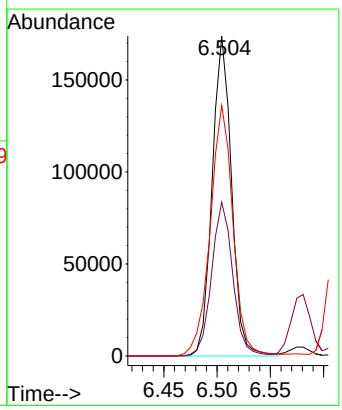
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

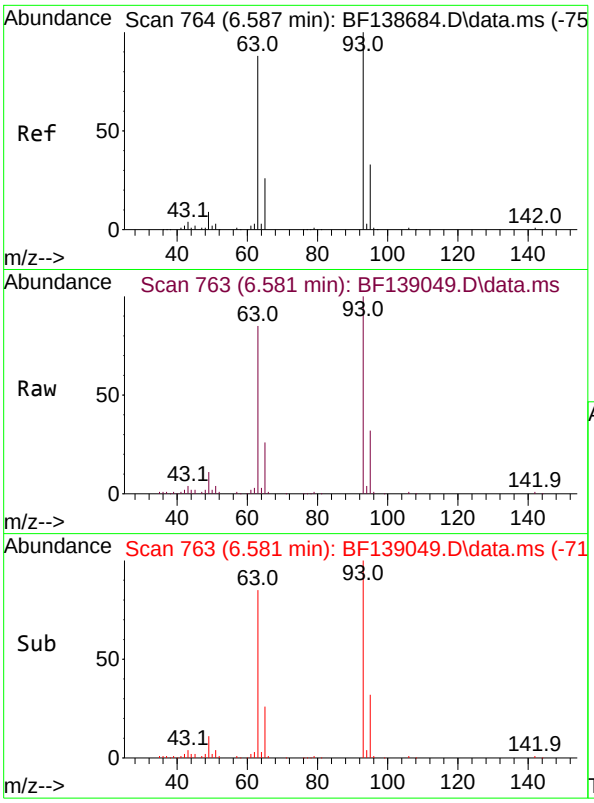


#10
Phenol
Concen: 38.024 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 94 Resp: 219260

Ion	Ratio	Lower	Upper
94	100		
65	48.0	16.9	56.9
66	78.3	36.5	76.5#

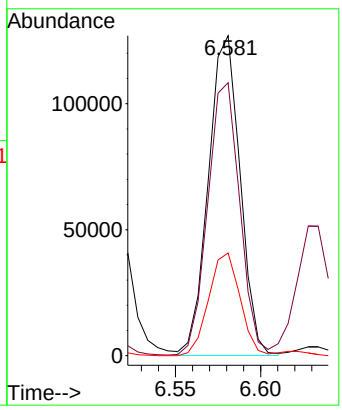




#11
bis(2-Chloroethyl)ether
Concen: 37.007 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 93 Resp: 16421

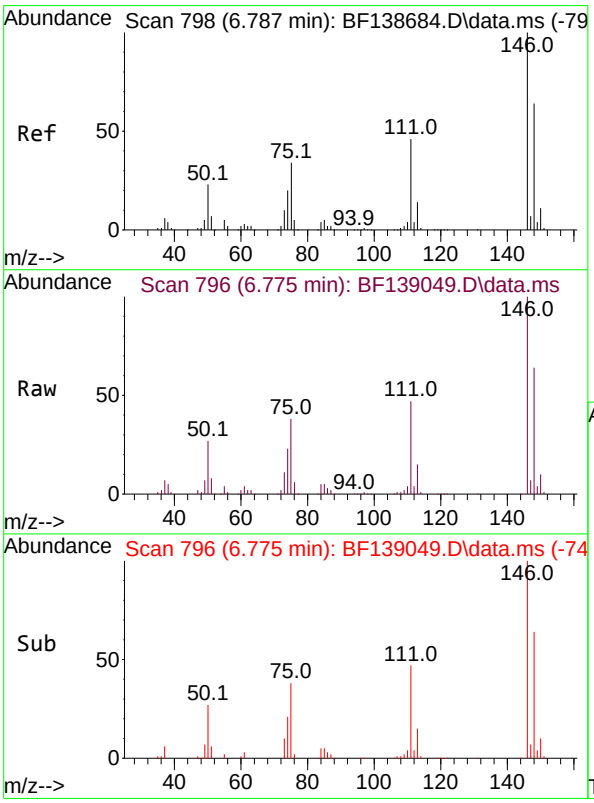
Ion	Ratio	Lower	Upper
93	100		
63	85.3	65.3	105.3
95	32.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

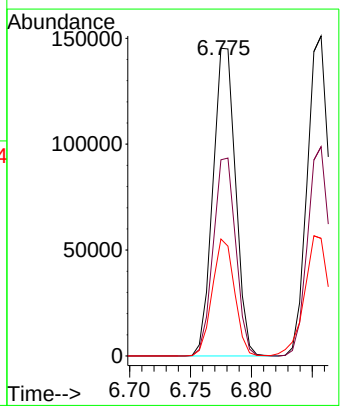
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

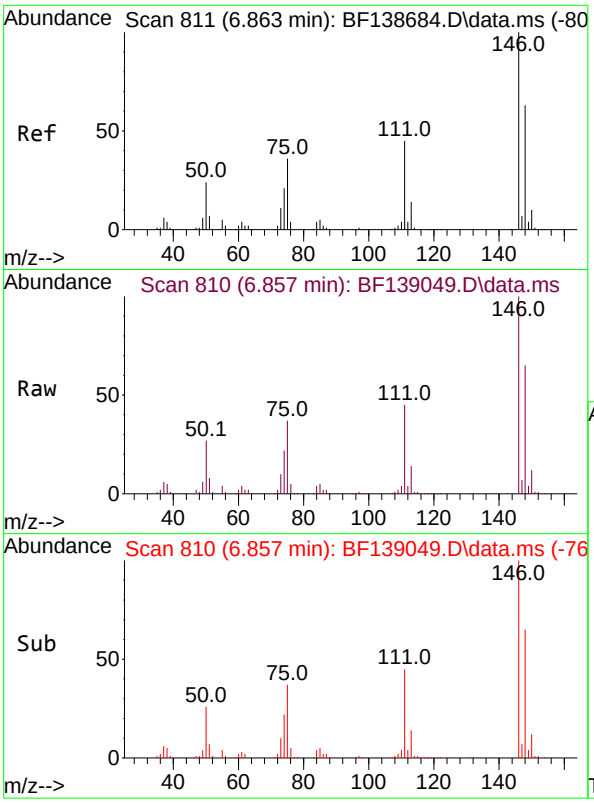


#12
1,3-Dichlorobenzene
Concen: 39.237 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:146 Resp: 188497

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
75	38.0	27.4	41.2

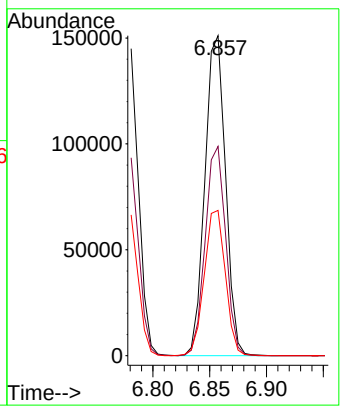




#13
1,4-Dichlorobenzene
Concen: 39.267 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:146 Resp: 19037

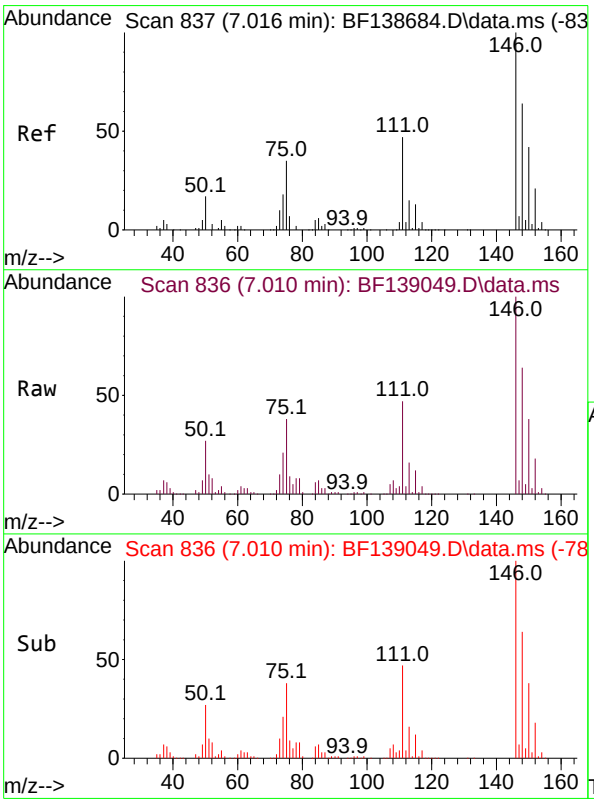
Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.2	75.2
111	45.4	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

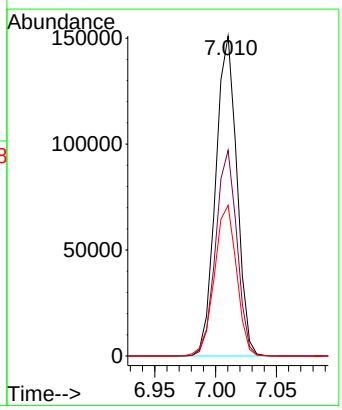
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

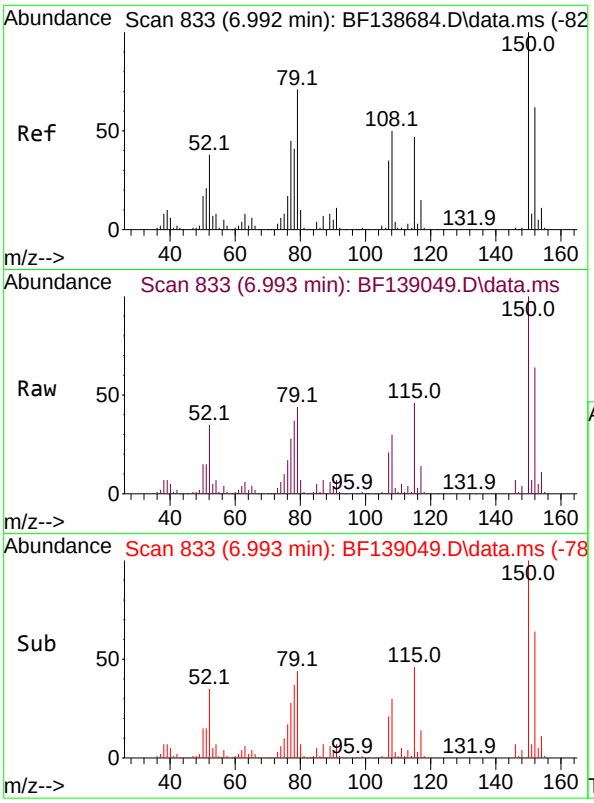


#14
1,2-Dichlorobenzene
Concen: 40.323 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:146 Resp: 182703

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.8	76.2
111	47.1	37.4	56.2





#15
Benzyl Alcohol
Concen: 42.367 ng
RT: 6.993 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

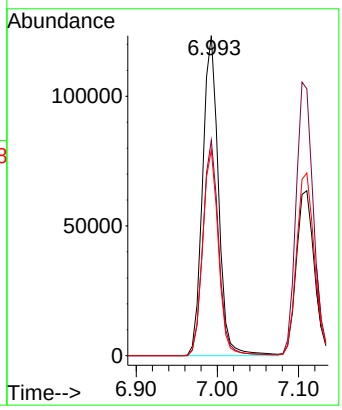
Tgt Ion: 79 Resp: 16723

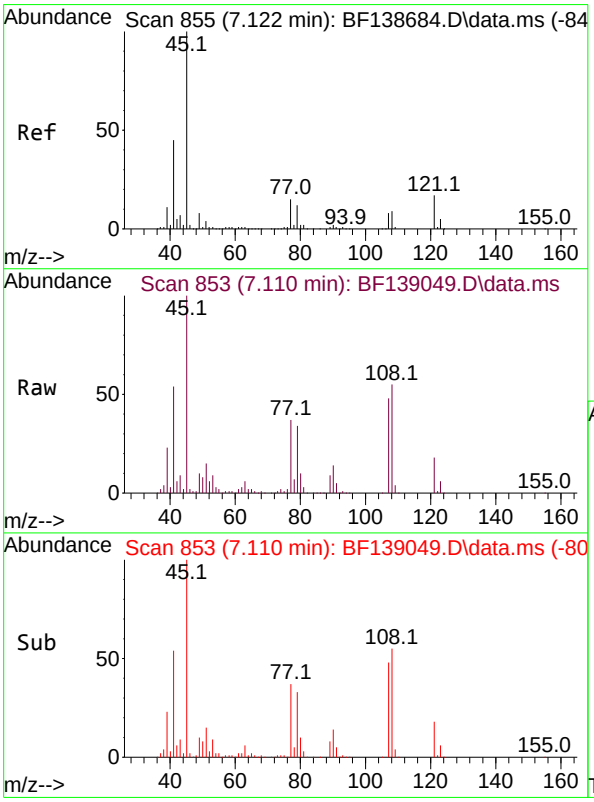
Ion	Ratio	Lower	Upper
79	100		
108	67.3	56.6	85.0
77	64.3	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

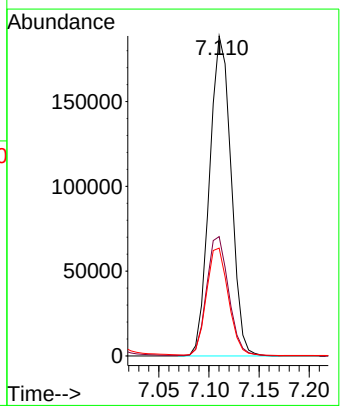


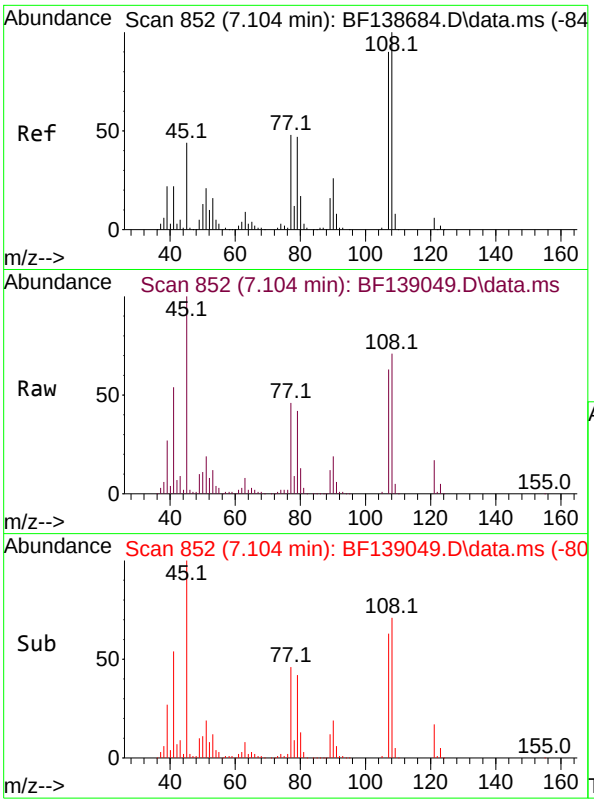


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.117 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 45 Resp: 283442

Ion	Ratio	Lower	Upper
45	100		
77	37.3	0.0	34.9#
79	33.7	0.0	32.2#

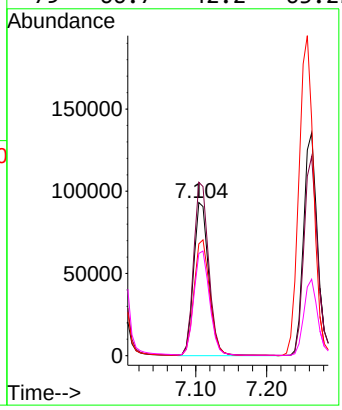




#17
2-Methylphenol
Concen: 39.041 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:107 Resp: 13835

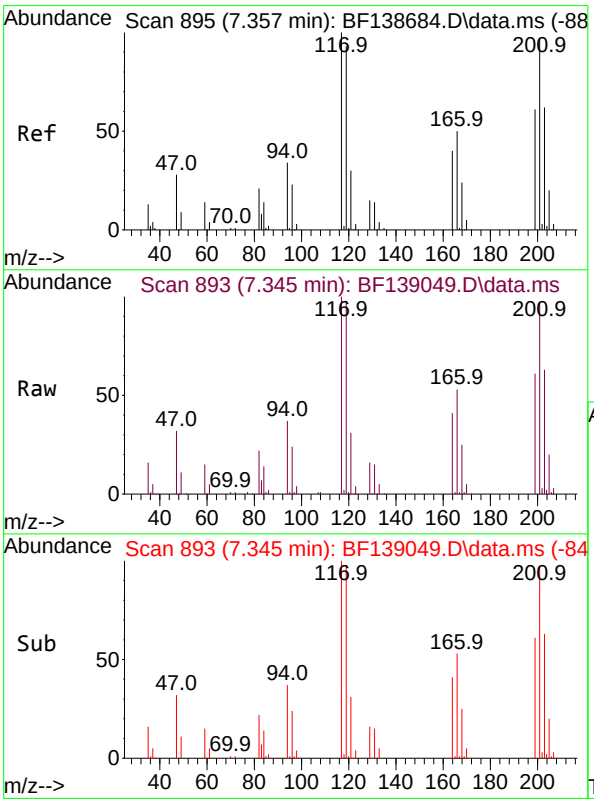
Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.2	133.8
77	73.0	43.0	64.4#
79	66.7	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

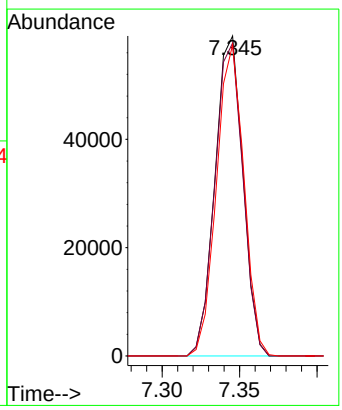
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

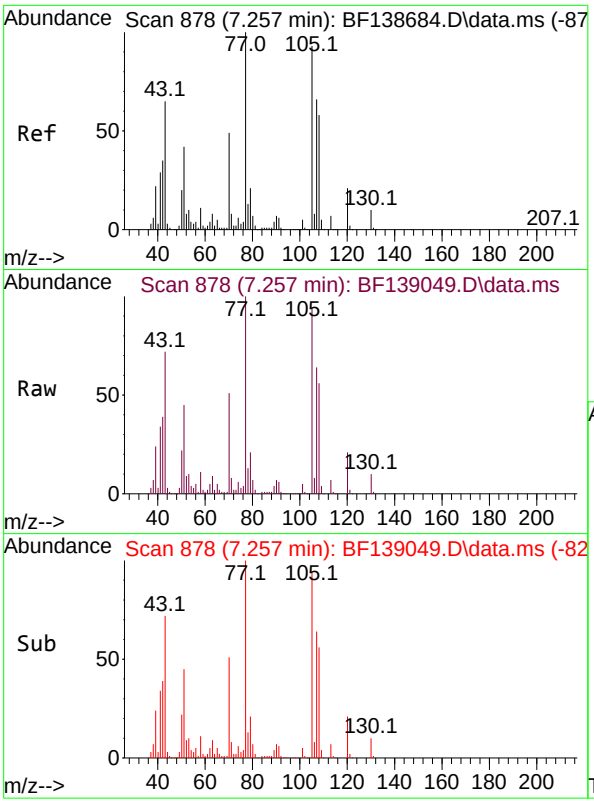


#18
Hexachloroethane
Concen: 40.610 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:117 Resp: 74111

Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.6	111.8
201	97.3	77.2	115.8

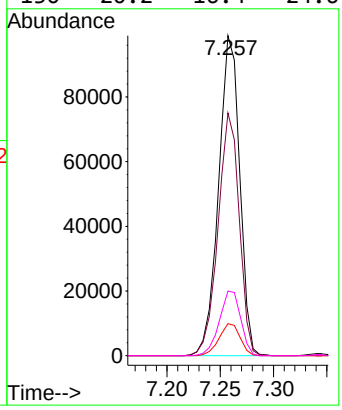




#19
n-Nitroso-di-n-propylamine
Concen: 41.154 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 70 Resp: 13612

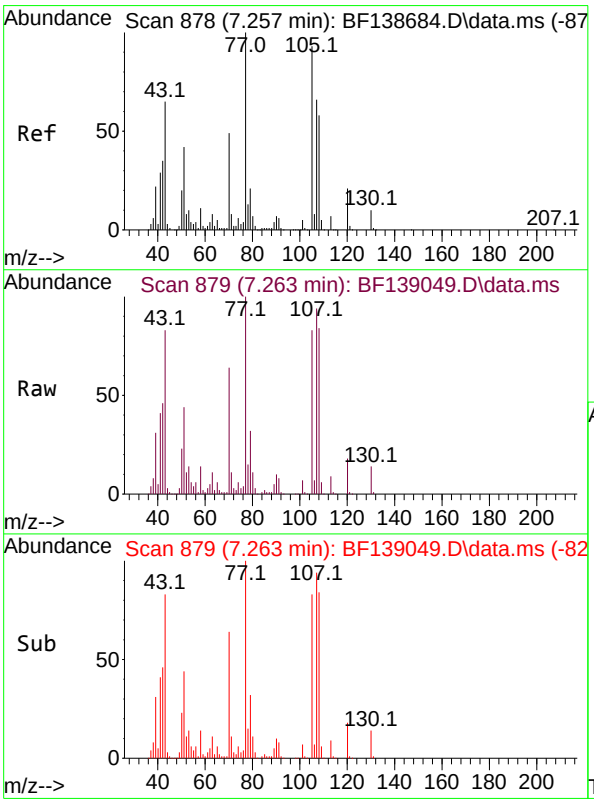
Ion	Ratio	Lower	Upper
70	100		
42	75.8	57.4	86.0
101	10.0	7.5	11.3
130	20.2	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

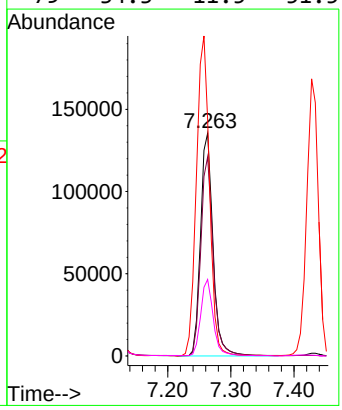
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

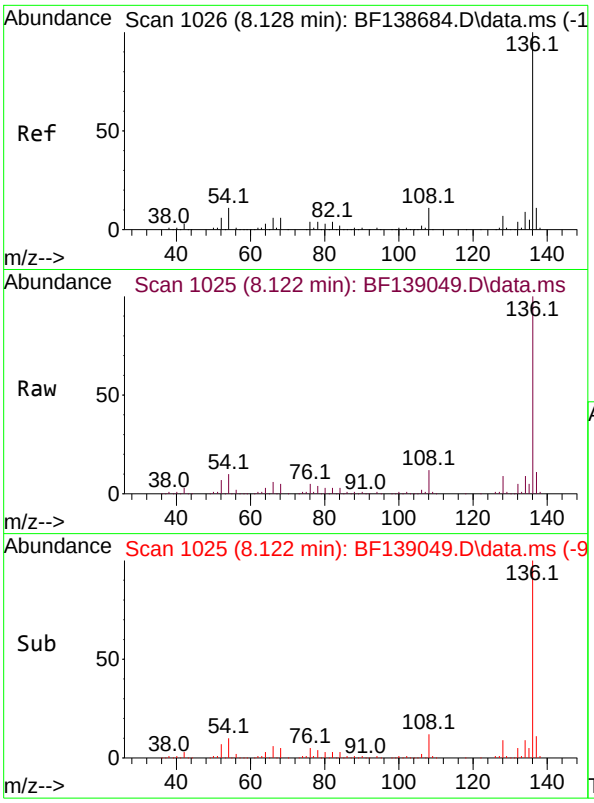


#20
3+4-Methylphenols
Concen: 40.949 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:107 Resp: 186191

Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.2	108.2
77	106.1	132.1	172.1#
79	34.3	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: BF139049.D
Acq: 16 Aug 2024 10:14

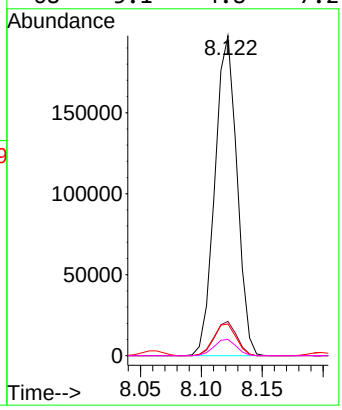
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

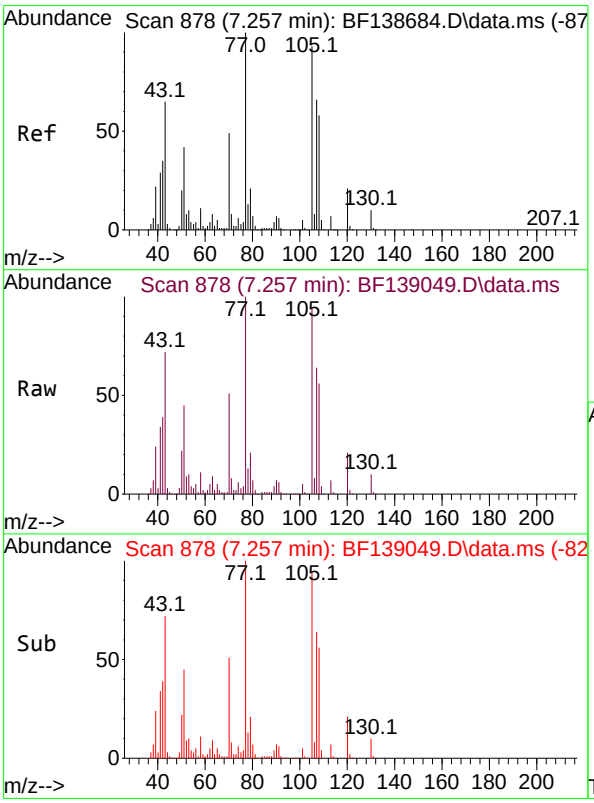
Tgt Ion:136 Resp: 24971

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.9	8.6	12.8
68	5.1	4.8	7.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

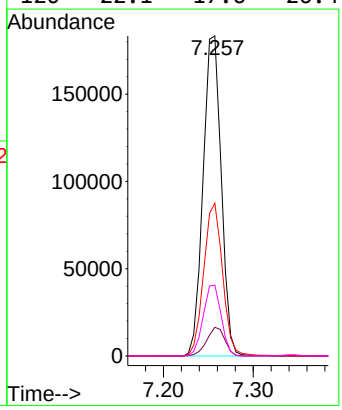


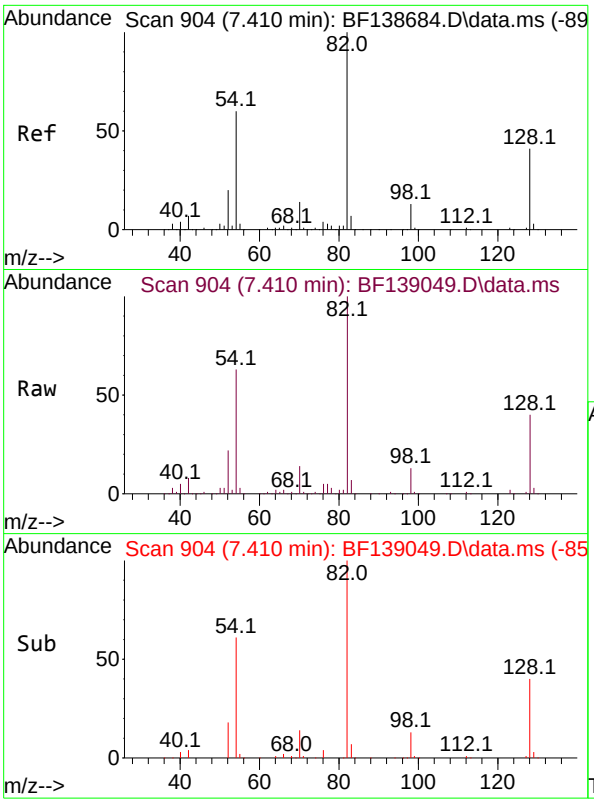


#22
Acetophenone
Concen: 42.200 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:105 Resp: 258017

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	47.7	35.9	53.9
120	22.1	17.6	26.4

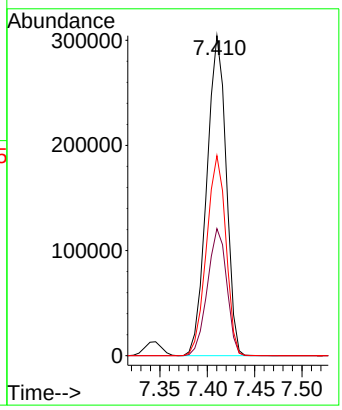




#23
Nitrobenzene-d5
Concen: 84.870 ng
RT: 7.410 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 82 Resp: 43347

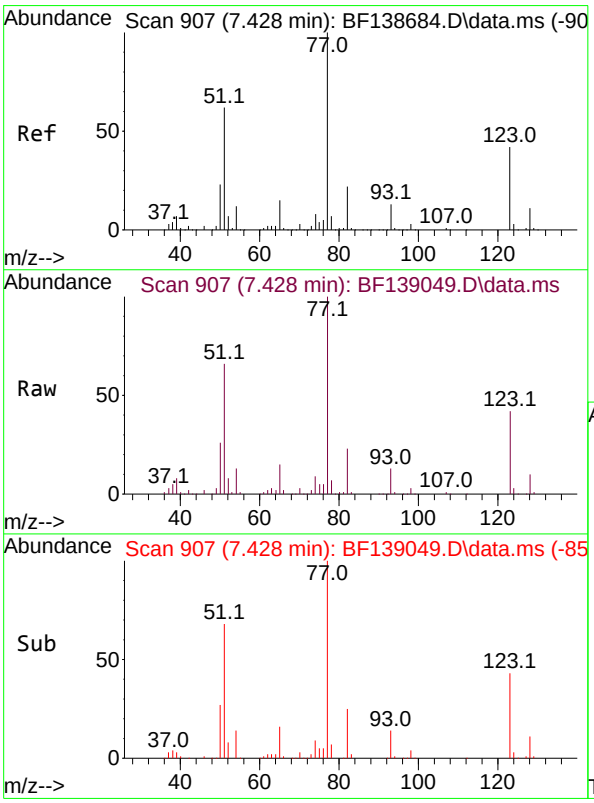
Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.8	49.2
54	62.5	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

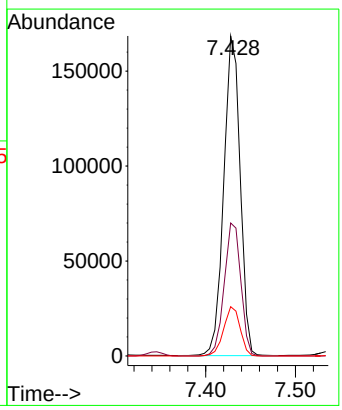
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

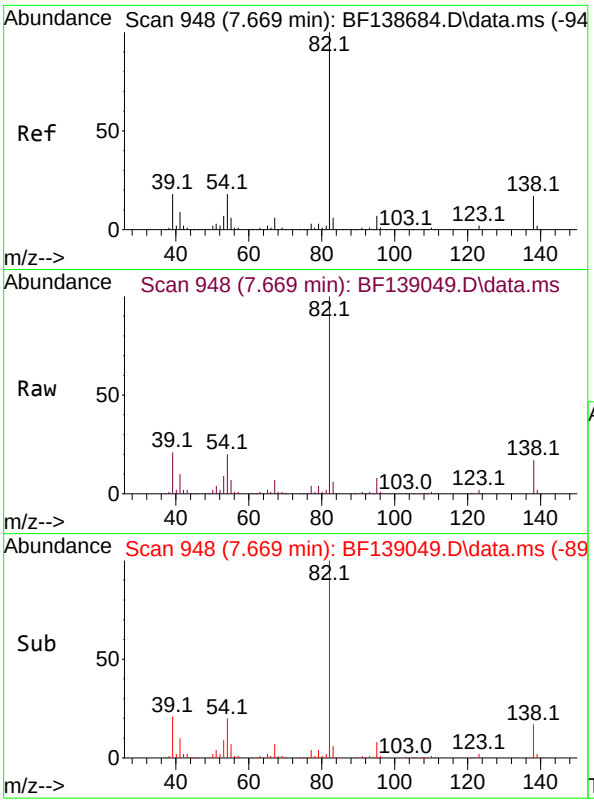


#24
Nitrobenzene
Concen: 41.192 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 77 Resp: 214085

Ion	Ratio	Lower	Upper
77	100		
123	41.6	33.3	49.9
65	15.4	11.9	17.9

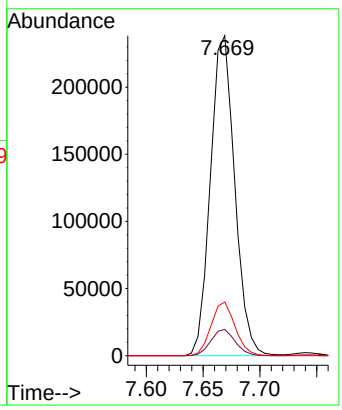




#25
Isophorone
Concen: 40.686 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 82 Resp: 35483

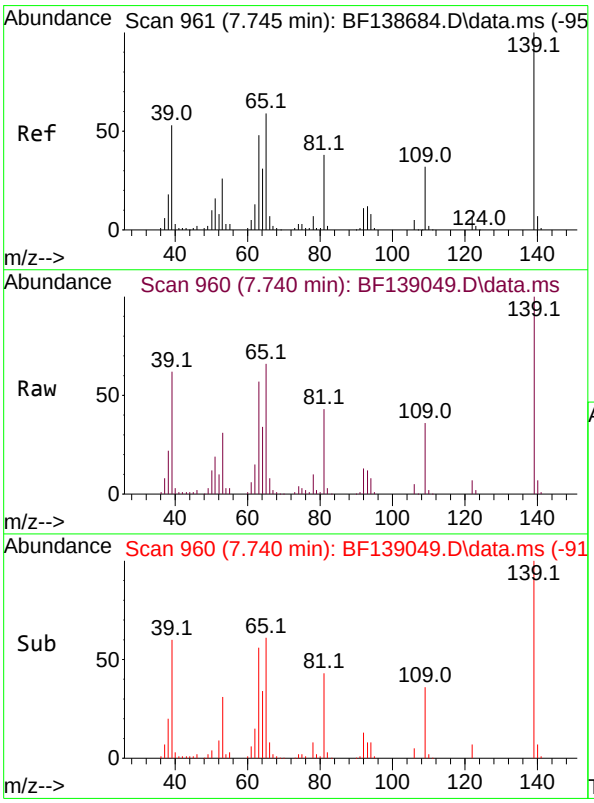
Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.7	8.5
138	16.7	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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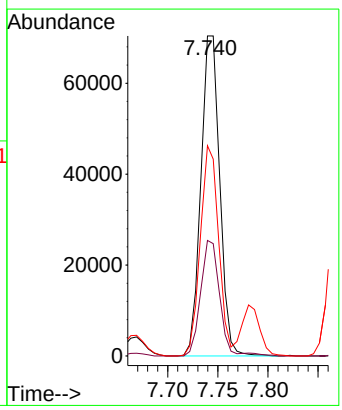
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

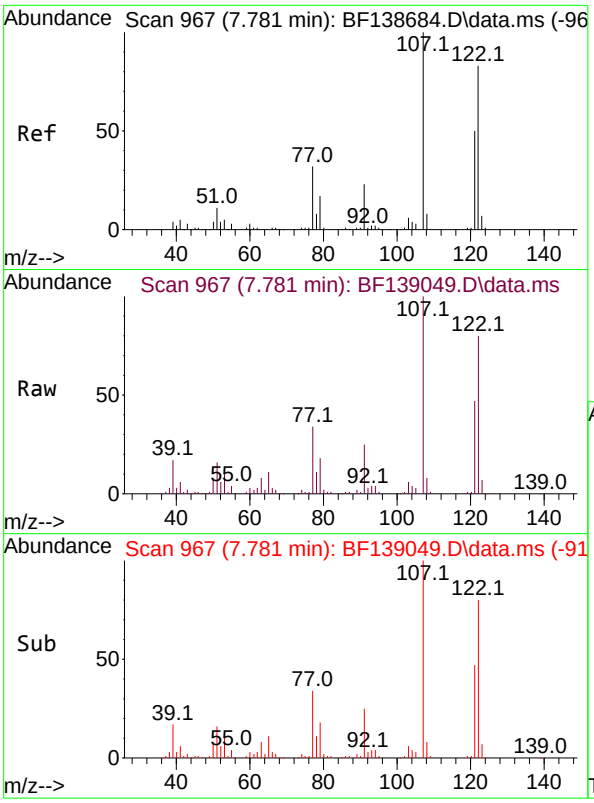


#26
2-Nitrophenol
Concen: 41.342 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:139 Resp: 92441

Ion	Ratio	Lower	Upper
139	100		
109	36.1	25.9	38.9
65	65.7	47.0	70.6

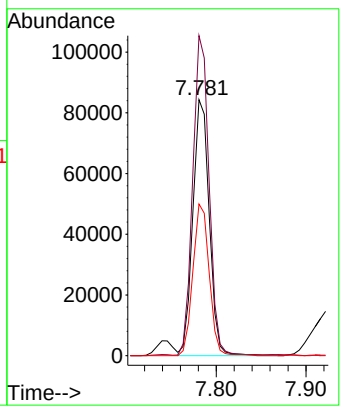




#27
2,4-Dimethylphenol
Concen: 40.109 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:122 Resp: 10730

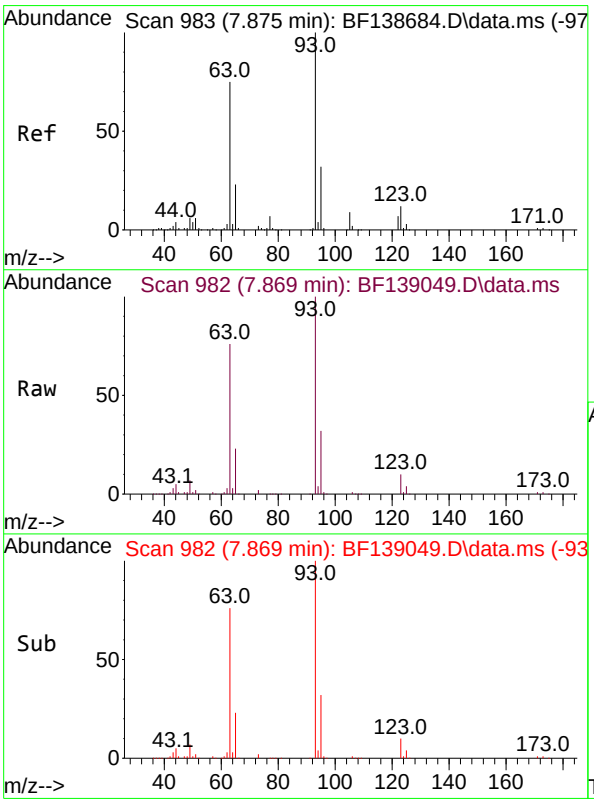
Ion	Ratio	Lower	Upper
122	100		
107	125.0	95.0	142.6
121	59.2	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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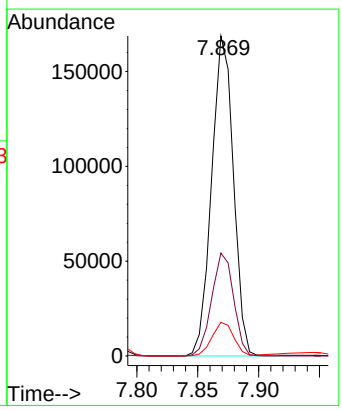
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

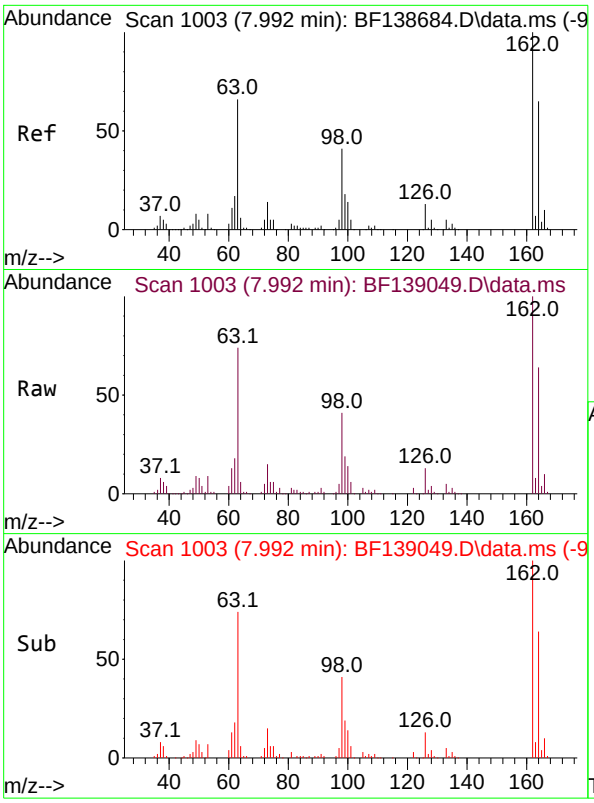


#28
bis(2-Chloroethoxy)methane
Concen: 39.521 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 93 Resp: 209896

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.5	9.4	14.0

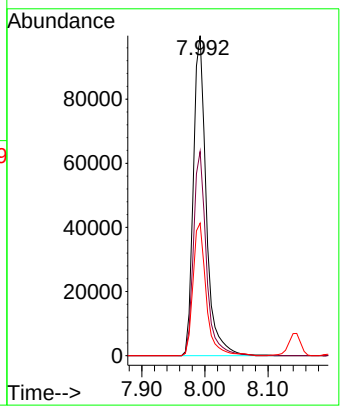




#29
2,4-Dichlorophenol
Concen: 41.243 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:162 Resp: 14178

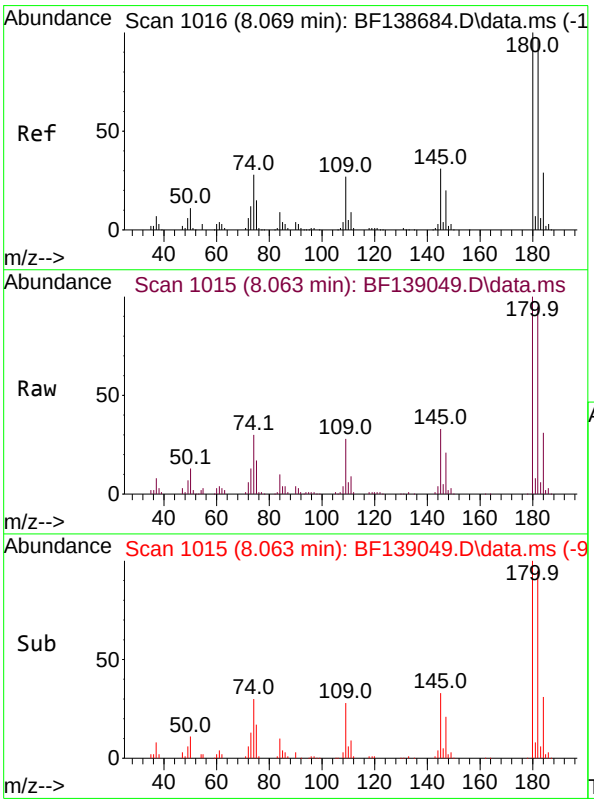
Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.7	84.7
98	41.4	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

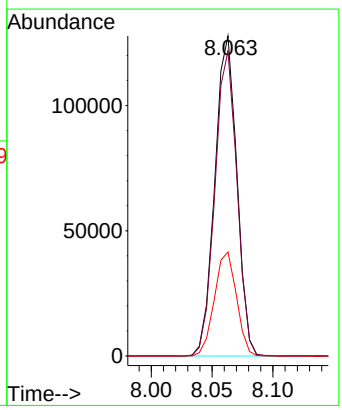
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

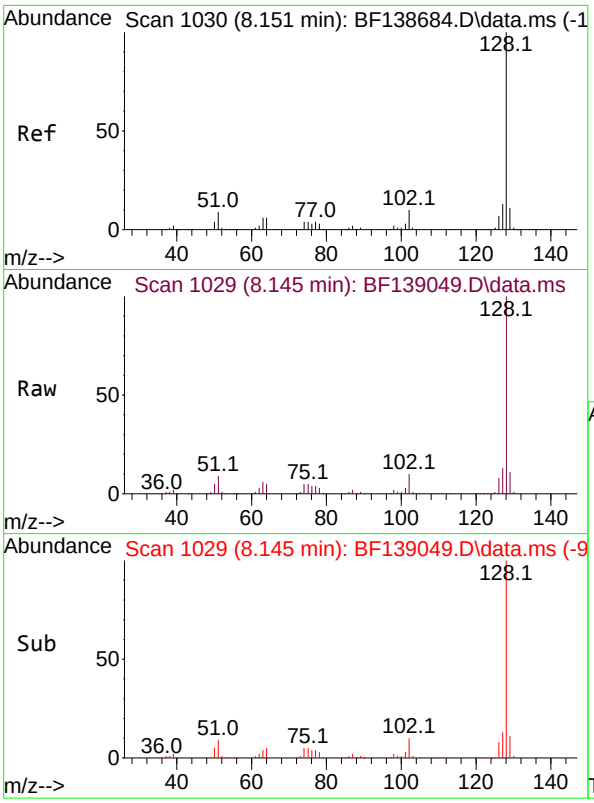


#30
1,2,4-Trichlorobenzene
Concen: 40.526 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:180 Resp: 160776

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
145	32.5	25.0	37.4

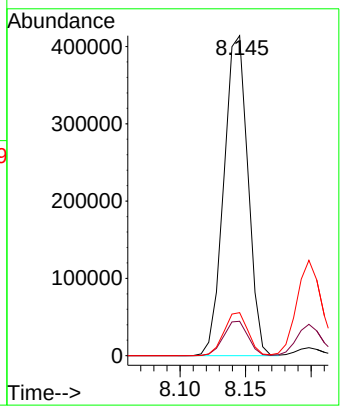




#31
Naphthalene
Concen: 40.179 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:128 Resp: 52811

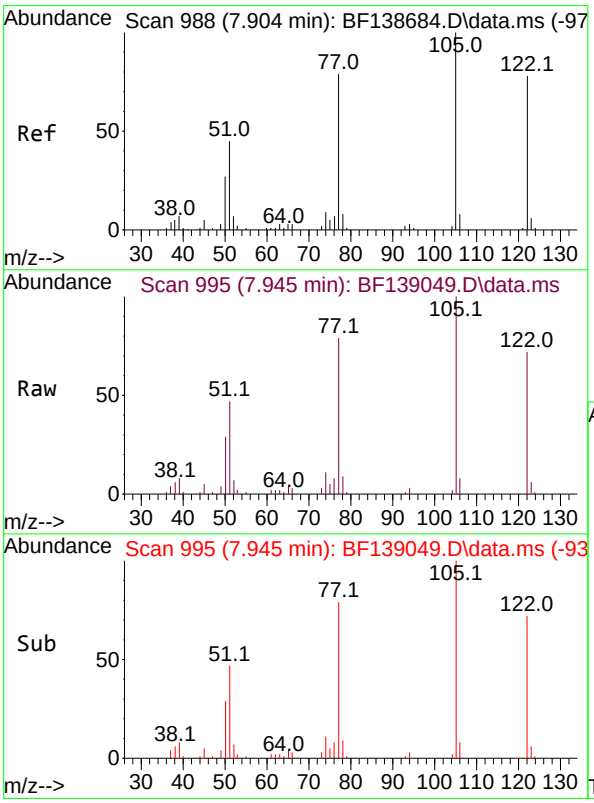
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

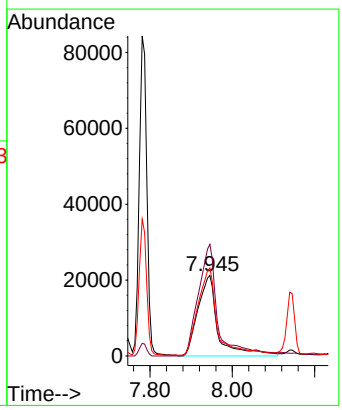
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

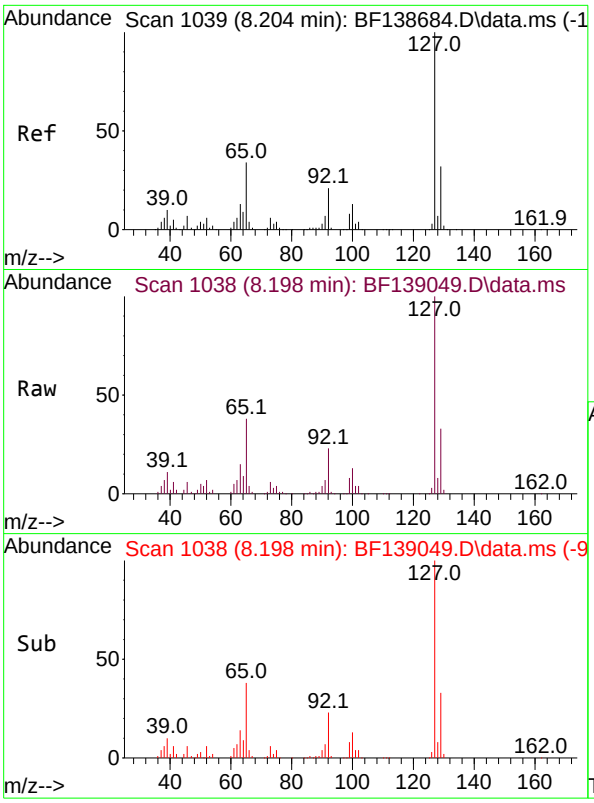


#32
Benzoic acid
Concen: 34.437 ng m
RT: 7.945 min Scan# 995
Delta R.T. 0.041 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:122 Resp: 72420

Ion	Ratio	Lower	Upper
122	100		
105	138.8	106.7	146.7
77	109.1	81.1	121.1

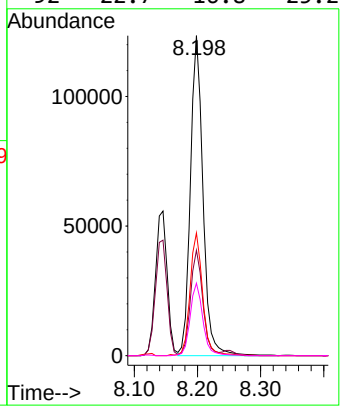




#33
4-Chloroaniline
Concen: 38.848 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:127 Resp: 17140

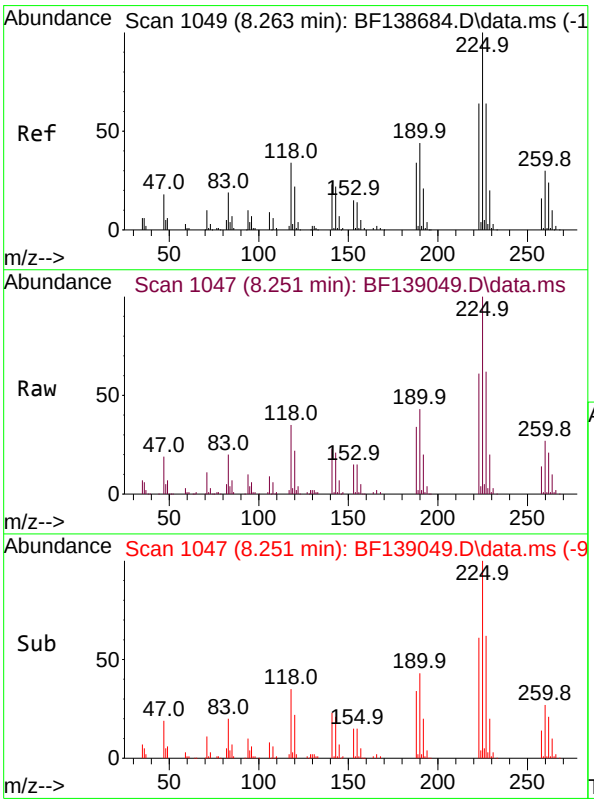
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.9	38.9
65	38.3	27.6	41.4
92	22.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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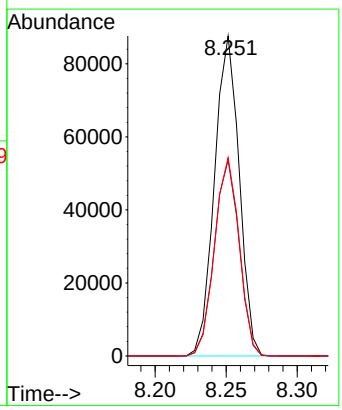
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

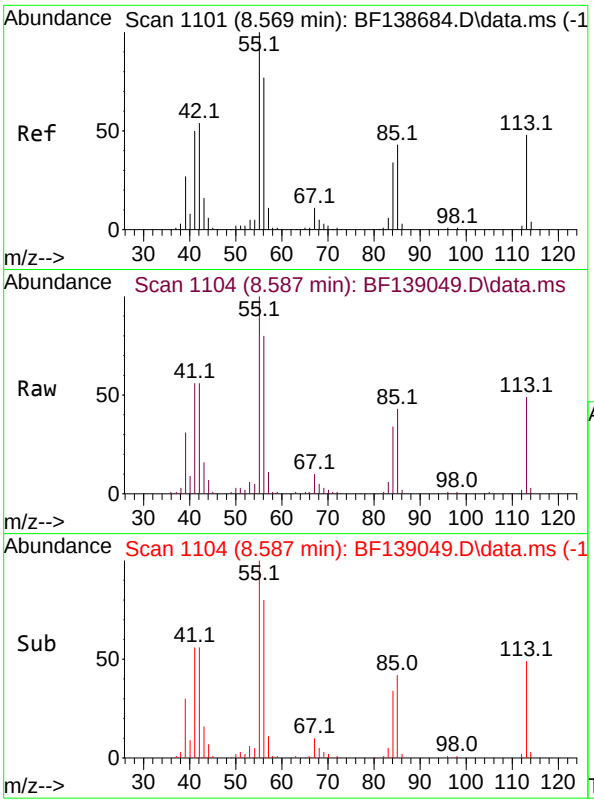


#34
Hexachlorobutadiene
Concen: 44.056 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:225 Resp: 105864

Ion	Ratio	Lower	Upper
225	100		
223	61.2	51.2	76.8
227	62.0	51.1	76.7

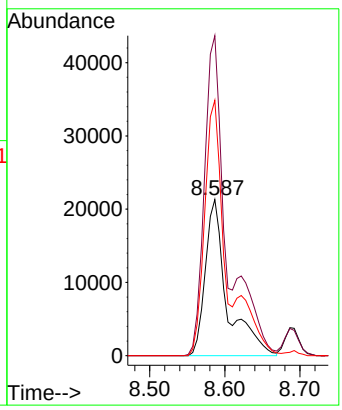




#35
Caprolactam
Concen: 42.150 ng m
RT: 8.587 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:113 Resp: 4323

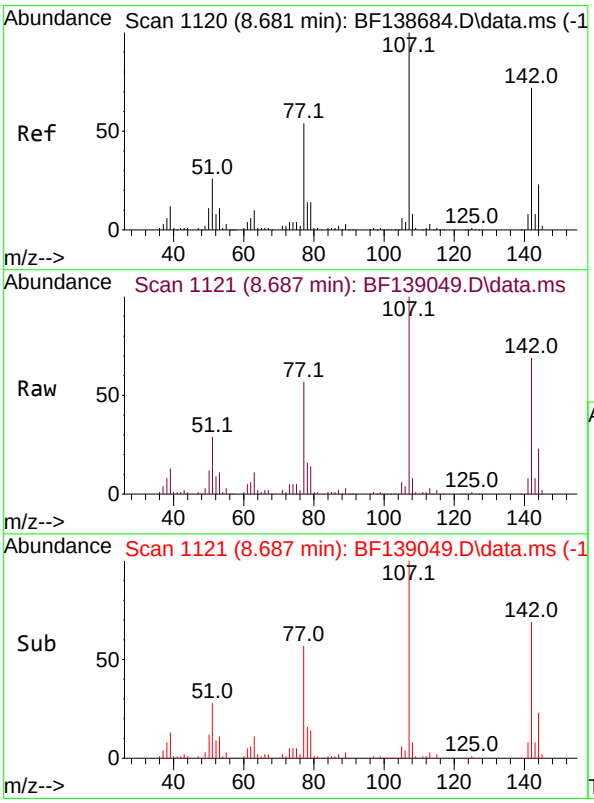
Ion	Ratio	Lower	Upper
113	100		
55	204.9	186.7	226.7
56	163.5	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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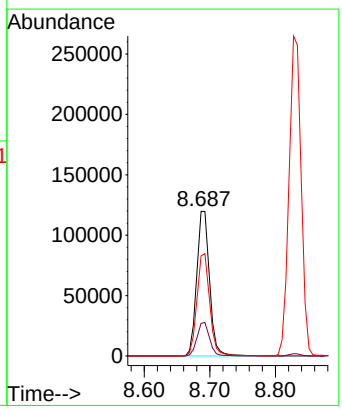
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

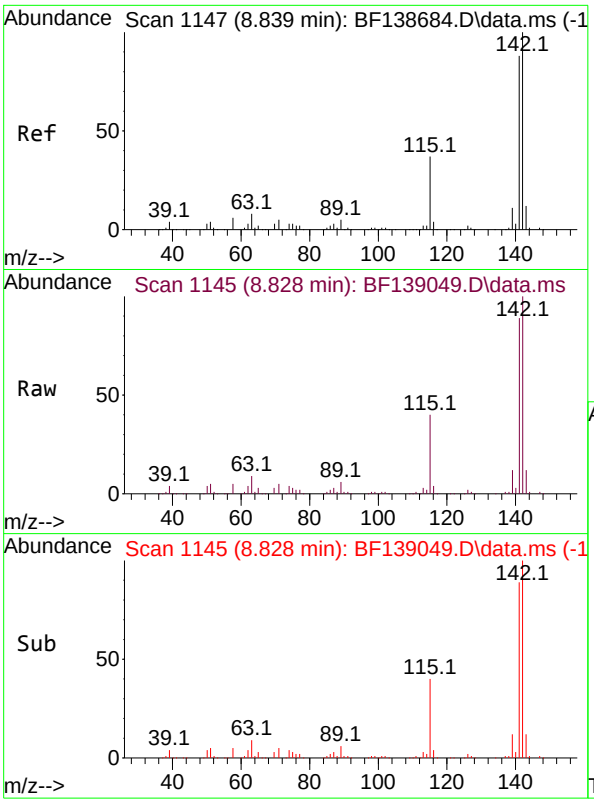


#36
4-Chloro-3-methylphenol
Concen: 41.662 ng
RT: 8.687 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:107 Resp: 163681

Ion	Ratio	Lower	Upper
107	100		
144	22.5	18.2	27.2
142	69.3	57.4	86.2





#37
2-Methylnaphthalene
Concen: 41.002 ng
RT: 8.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

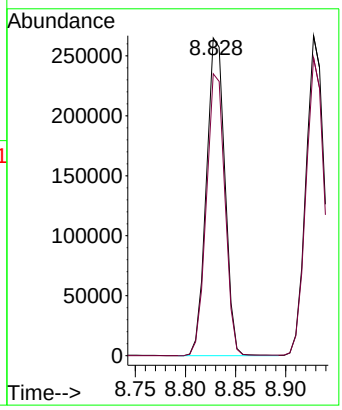
Tgt Ion:142 Resp: 34036

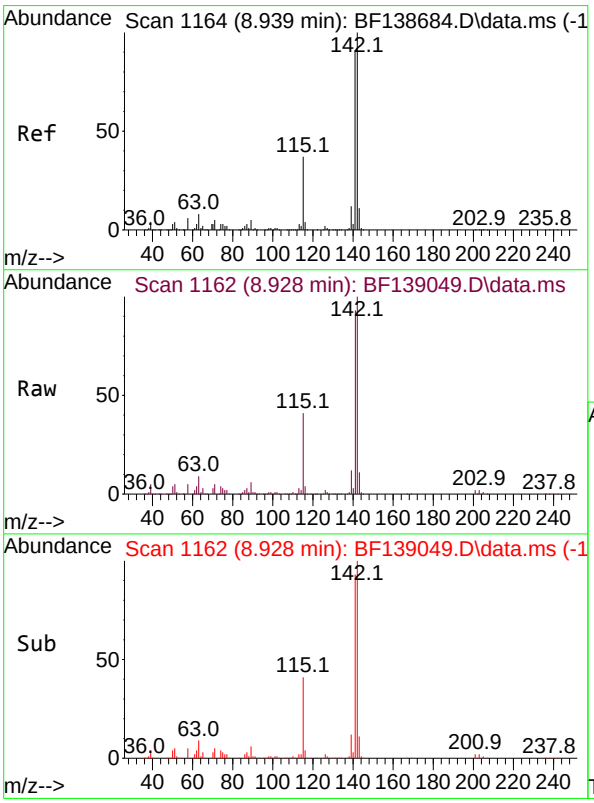
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

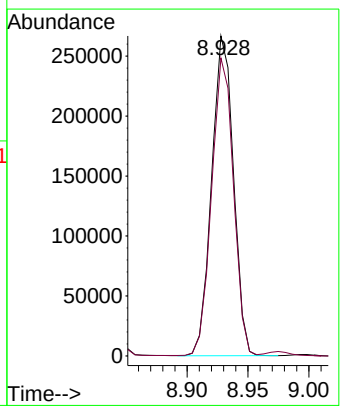


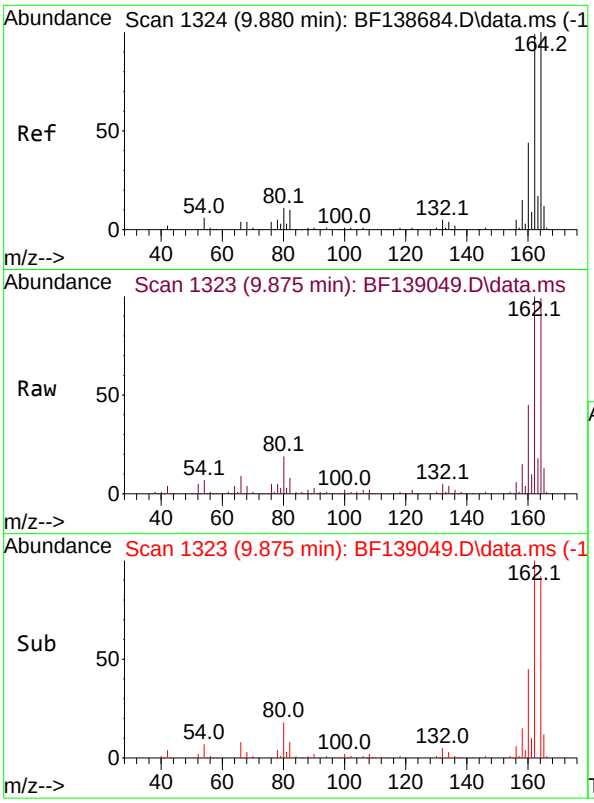


#38
1-Methylnaphthalene
Concen: 40.902 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:142 Resp: 332709

Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.1	109.7

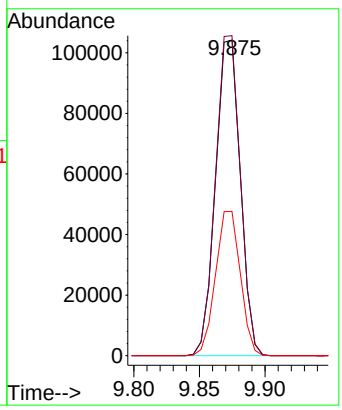




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:164 Resp: 13702

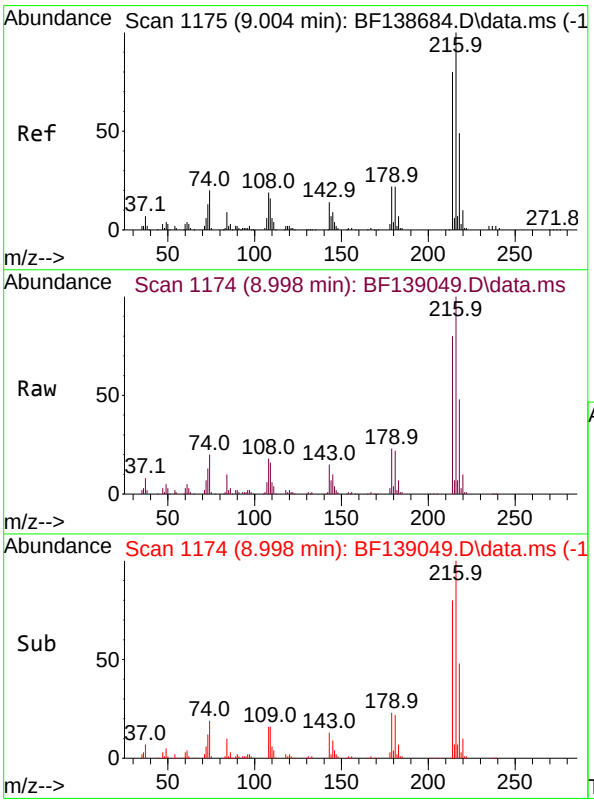
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.4	119.0
160	45.7	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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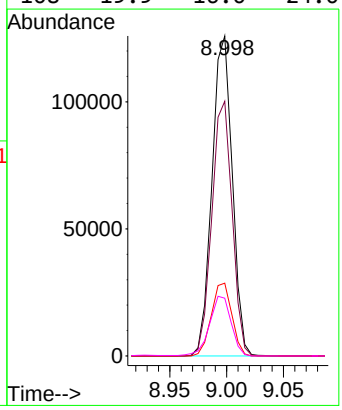
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

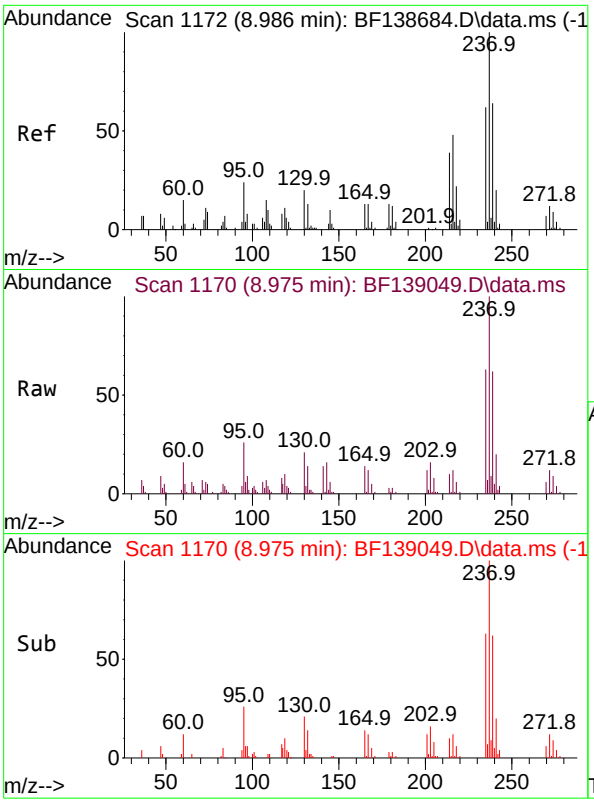


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.031 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:216 Resp: 156178

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.9	95.9
179	23.1	17.8	26.6
108	19.9	16.0	24.0

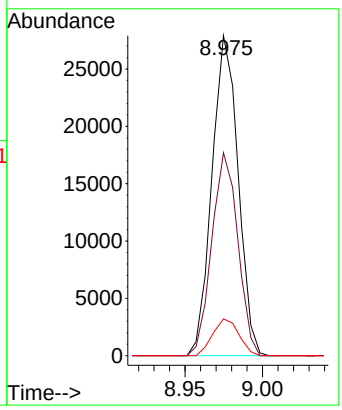




#41
Hexachlorocyclopentadiene
Concen: 36.631 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:237 Resp: 3273

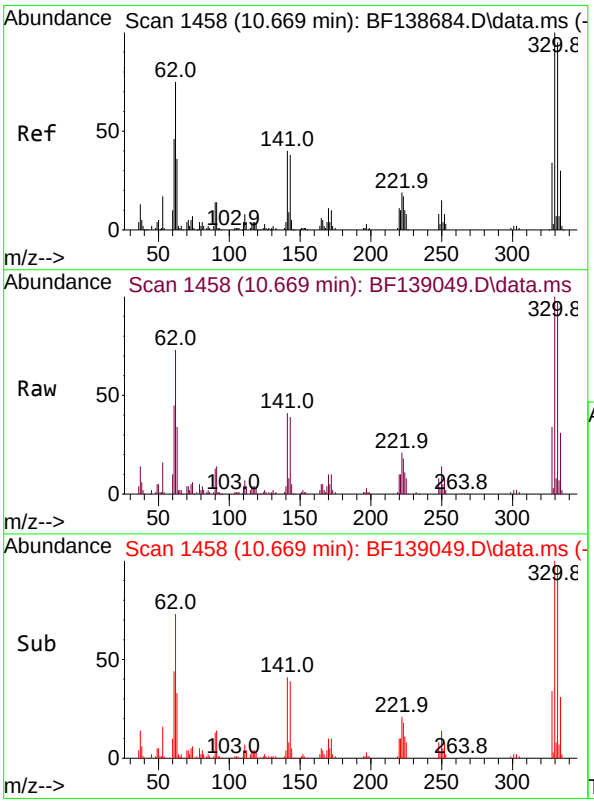
Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.8	81.8
272	11.5	0.0	32.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

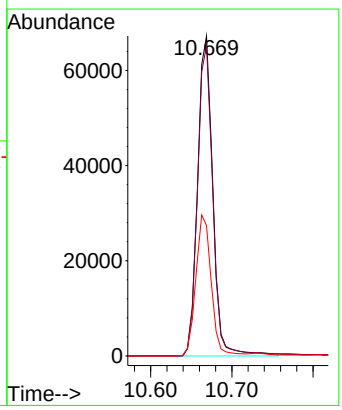
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

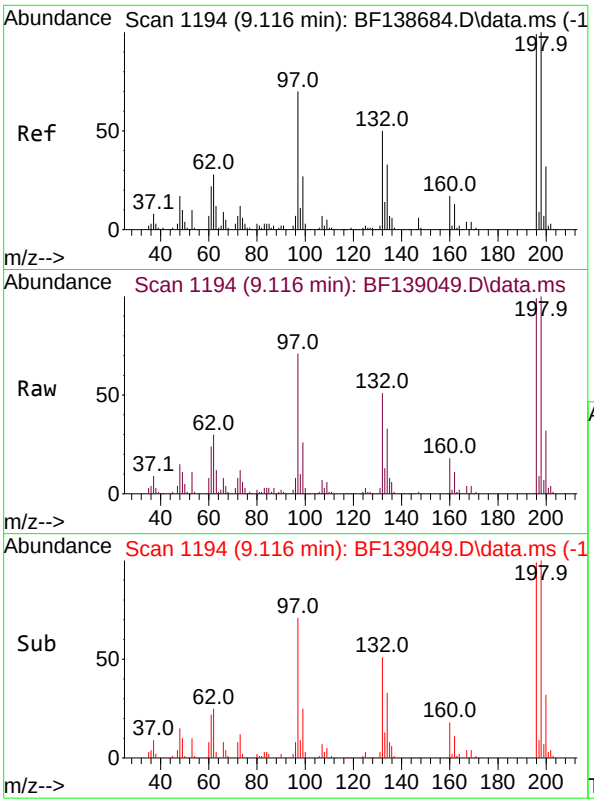


#42
2,4,6-Tribromophenol
Concen: 78.593 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:330 Resp: 88212

Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.4	114.6
141	44.4	31.1	46.7

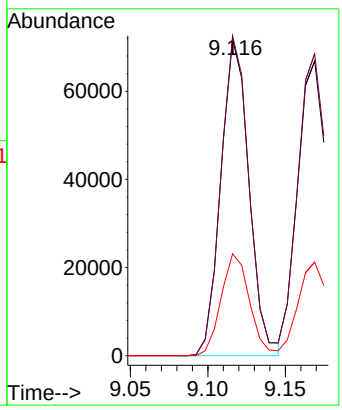




#43
2,4,6-Trichlorophenol
Concen: 39.151 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:196 Resp: 9086

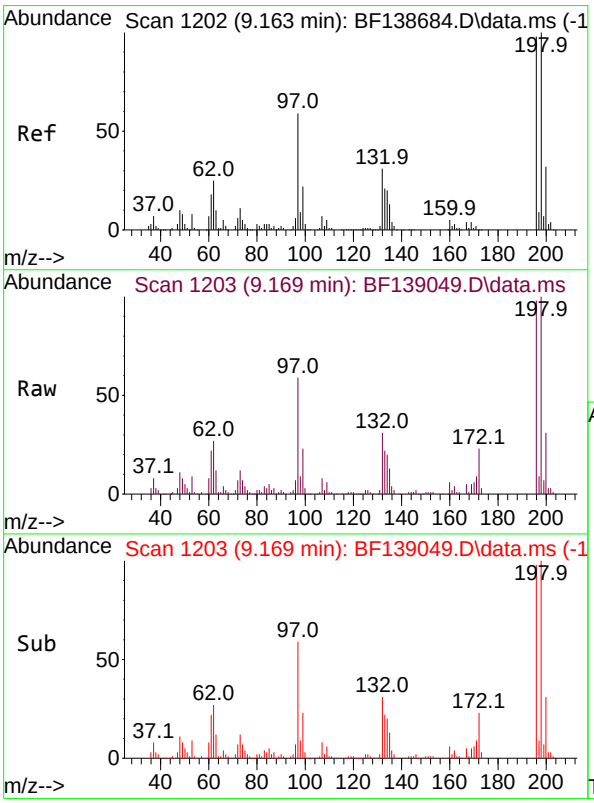
Ion	Ratio	Lower	Upper
196	100		
198	101.1	80.5	120.7
200	32.2	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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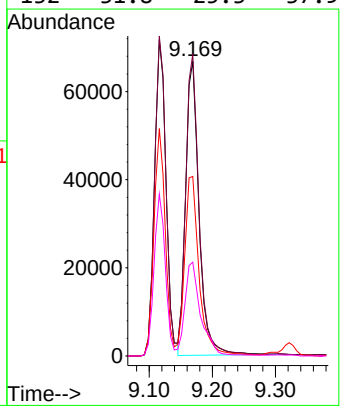
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

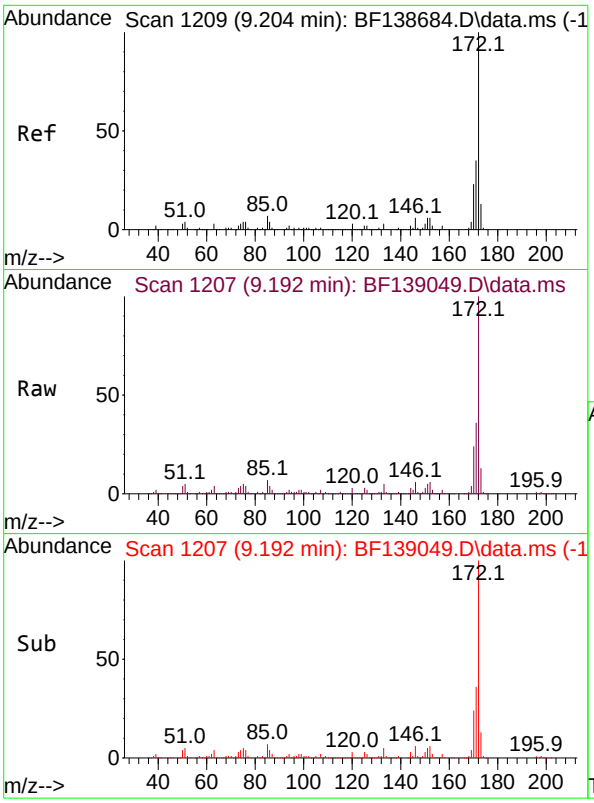


#44
2,4,5-Trichlorophenol
Concen: 38.819 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:196 Resp: 98486

Ion	Ratio	Lower	Upper
196	100		
198	102.4	81.2	121.8
97	60.9	47.8	71.6
132	31.8	25.3	37.9

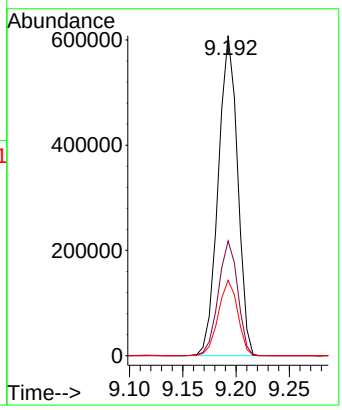




#45
2-Fluorobiphenyl
Concen: 84.195 ng
RT: 9.192 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:172 Resp: 76782

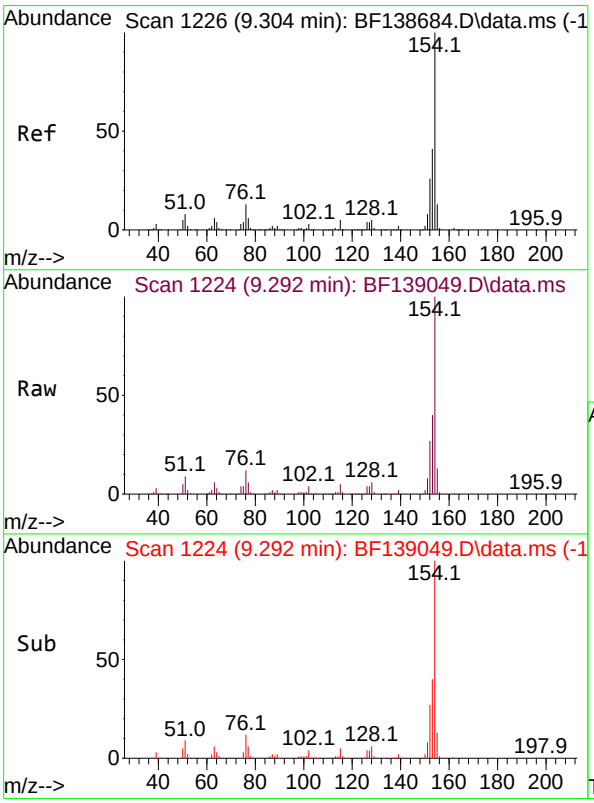
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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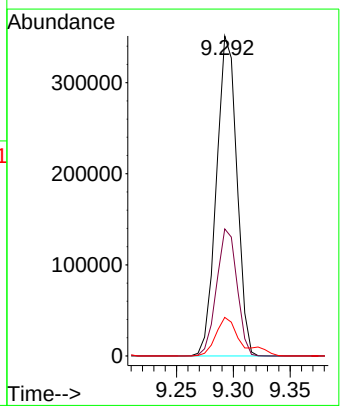
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

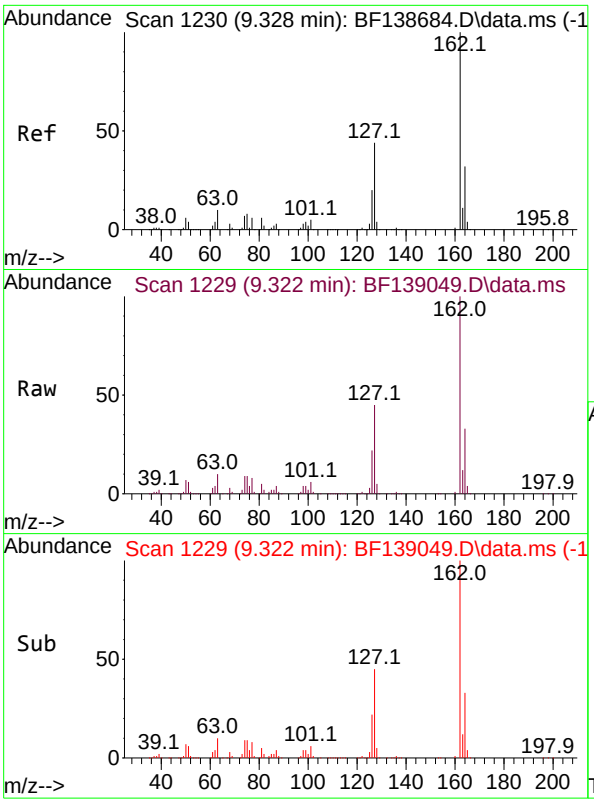


#46
1,1'-Biphenyl
Concen: 40.974 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:154 Resp: 439705

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.8	60.8
76	12.1	0.0	32.8

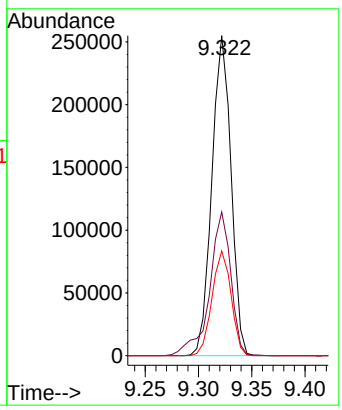




#47
2-Chloronaphthalene
Concen: 39.953 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:162 Resp: 31887

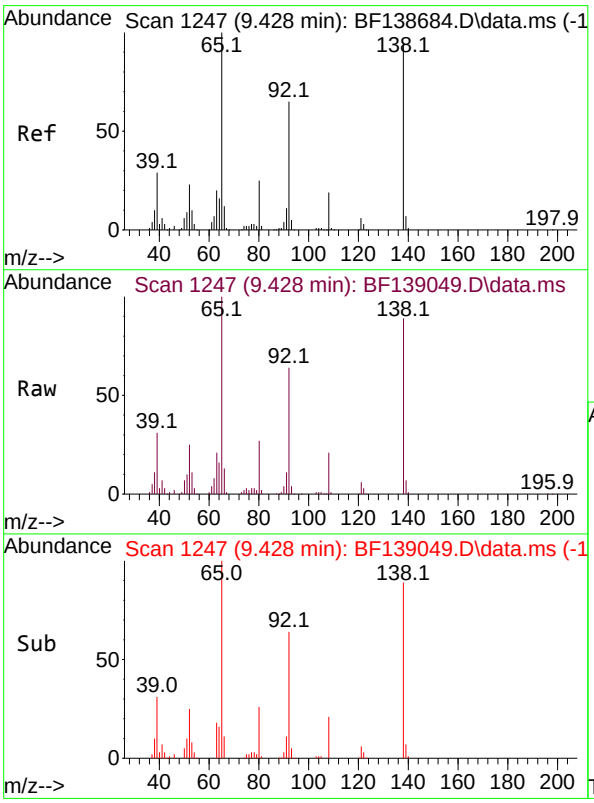
Ion	Ratio	Lower	Upper
162	100		
127	44.9	35.4	53.2
164	32.7	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

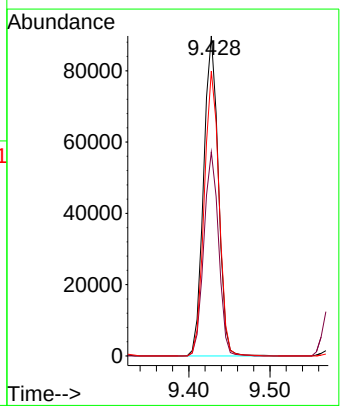
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

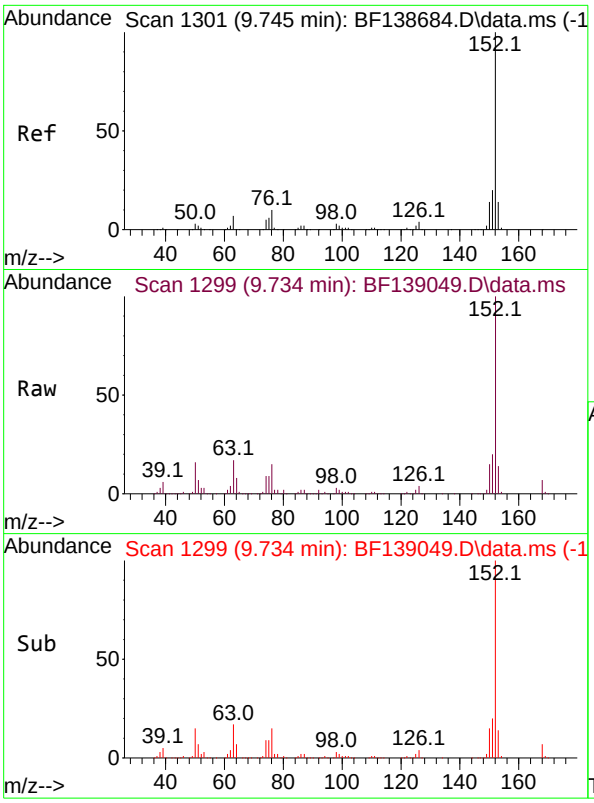


#48
2-Nitroaniline
Concen: 41.786 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 65 Resp: 113063

Ion	Ratio	Lower	Upper
65	100		
92	63.8	52.0	78.0
138	89.0	76.2	114.4

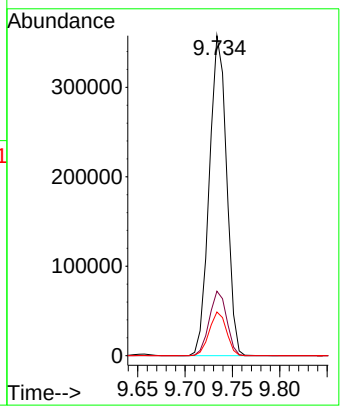




#49
Acenaphthylene
Concen: 40.059 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:152 Resp: 45345

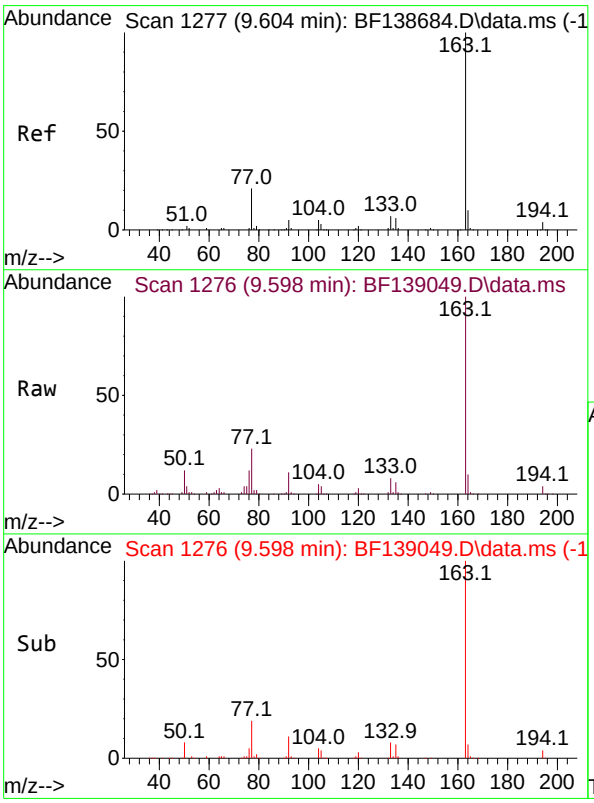
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

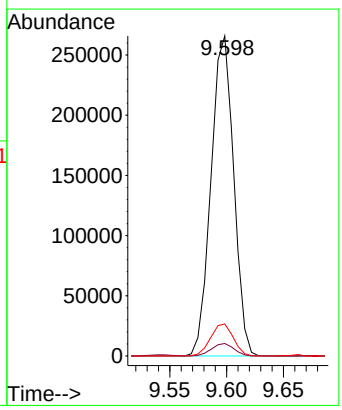
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

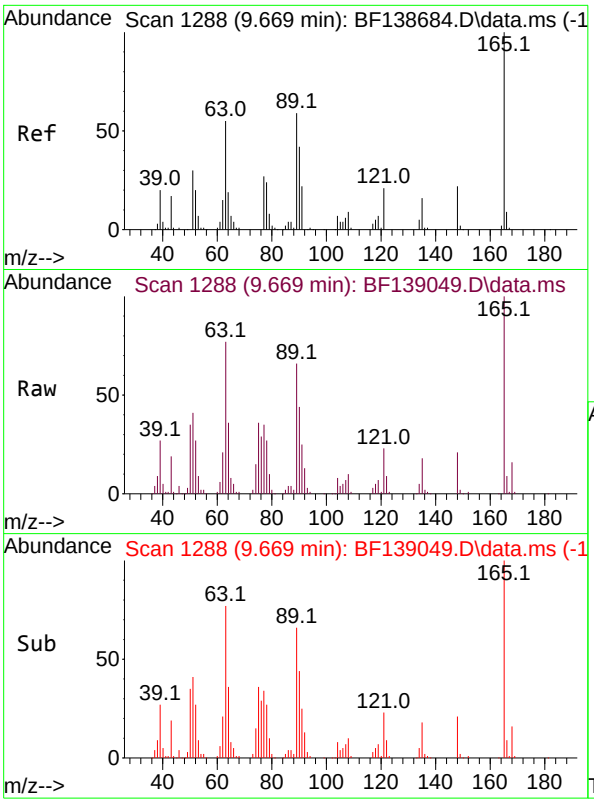


#50
Dimethylphthalate
Concen: 42.115 ng
RT: 9.598 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:163 Resp: 368989

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.0	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 42.202 ng
RT: 9.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

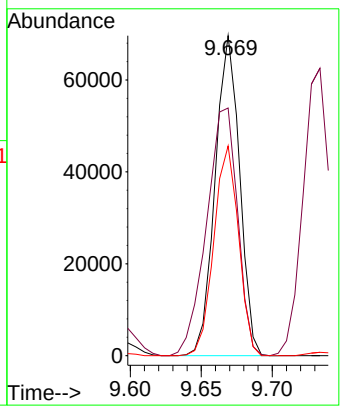
Tgt Ion:165 Resp: 8344

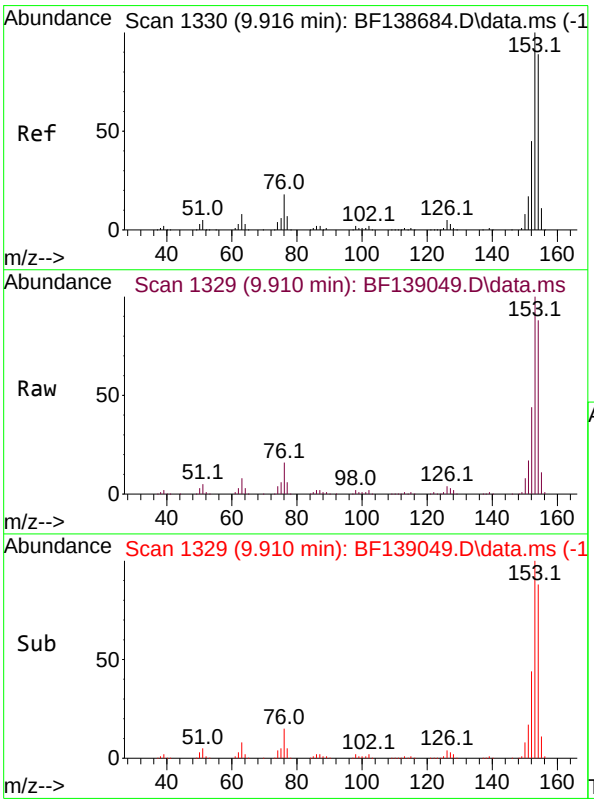
Ion	Ratio	Lower	Upper
165	100		
63	77.4	52.0	78.0
89	65.6	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

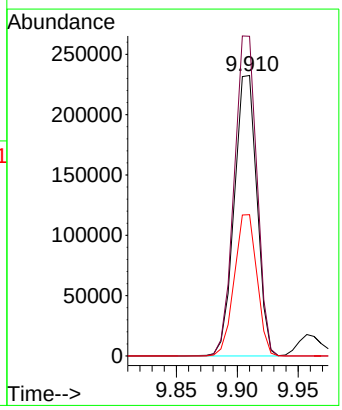


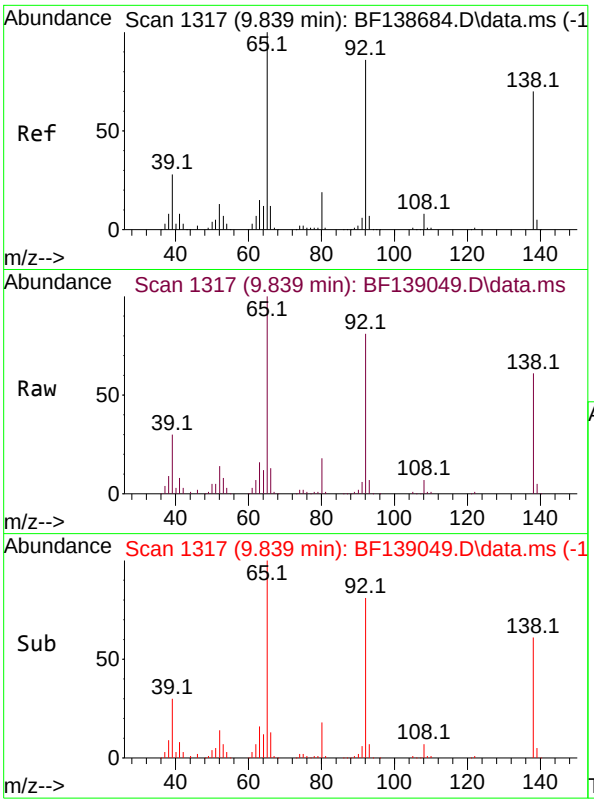


#52
Acenaphthene
Concen: 39.571 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:154 Resp: 301111

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.9	134.9
152	50.4	40.6	60.8





#53
3-Nitroaniline
Concen: 39.251 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

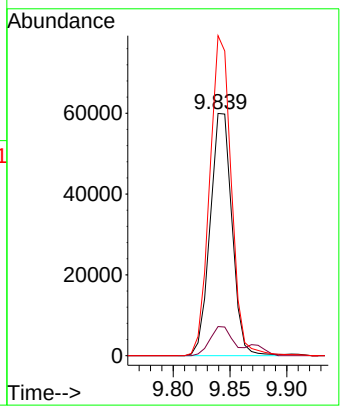
Tgt Ion:138 Resp: 8023

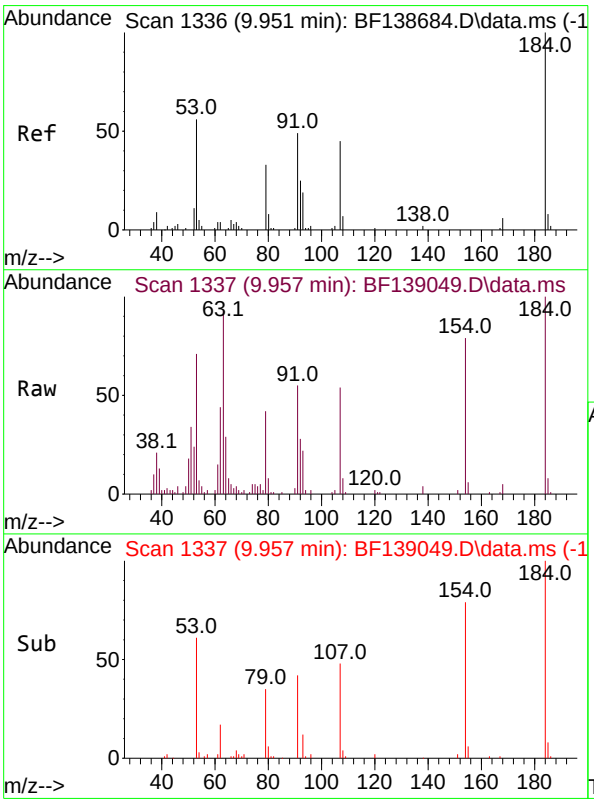
Ion	Ratio	Lower	Upper
138	100		
108	12.1	9.1	13.7
92	132.1	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

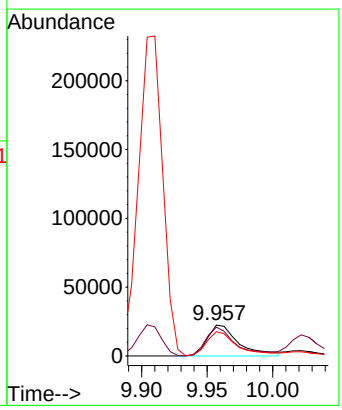


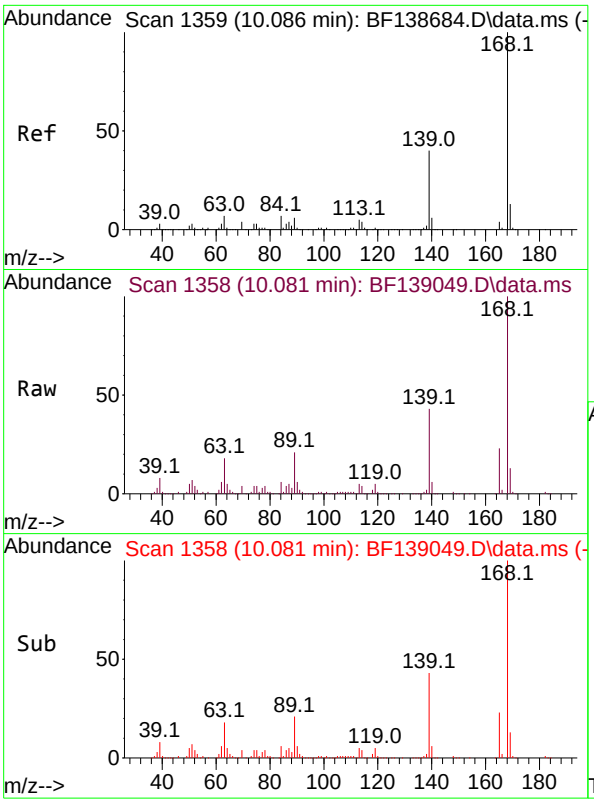


#54
2,4-Dinitrophenol
Concen: 41.045 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:184 Resp: 37359

Ion	Ratio	Lower	Upper
184	100		
63	93.2	57.5	86.3#
154	78.9	51.7	77.5#

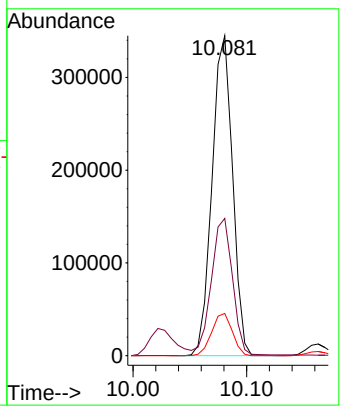




#55
Dibenzofuran
Concen: 40.286 ng
RT: 10.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:168 Resp: 43272

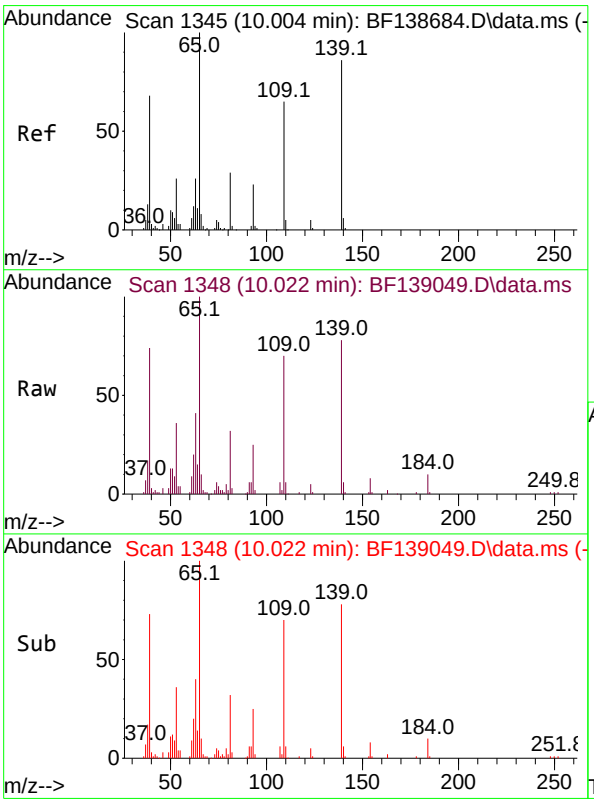
Ion	Ratio	Lower	Upper
168	100		
139	42.9	32.6	49.0
169	13.2	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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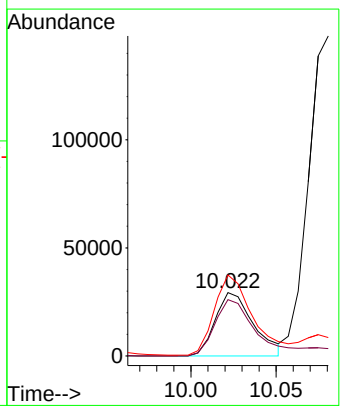
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

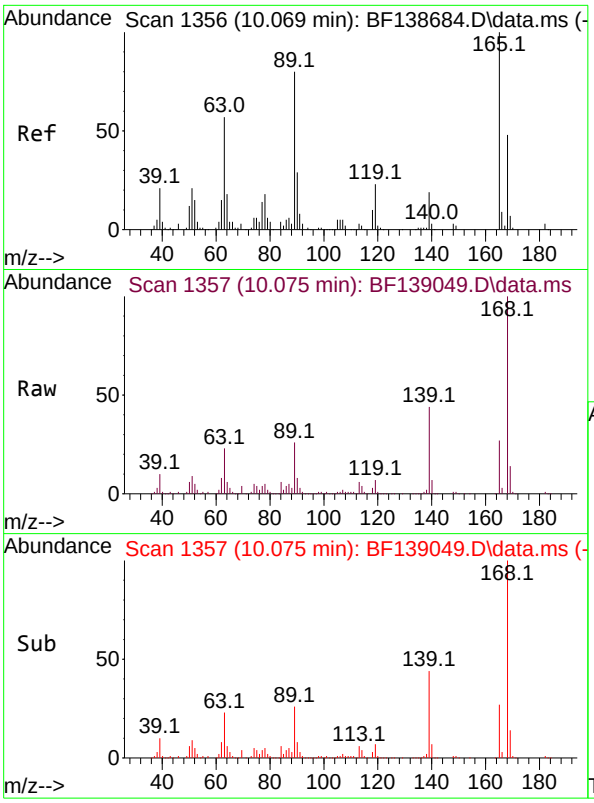


#56
4-Nitrophenol
Concen: 37.169 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:139 Resp: 45688

Ion	Ratio	Lower	Upper
139	100		
109	88.8	55.5	95.5
65	127.6	96.7	136.7

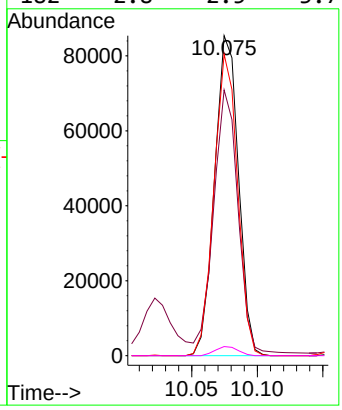




#57
2,4-Dinitrotoluene
Concen: 42.782 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:165 Resp: 10792

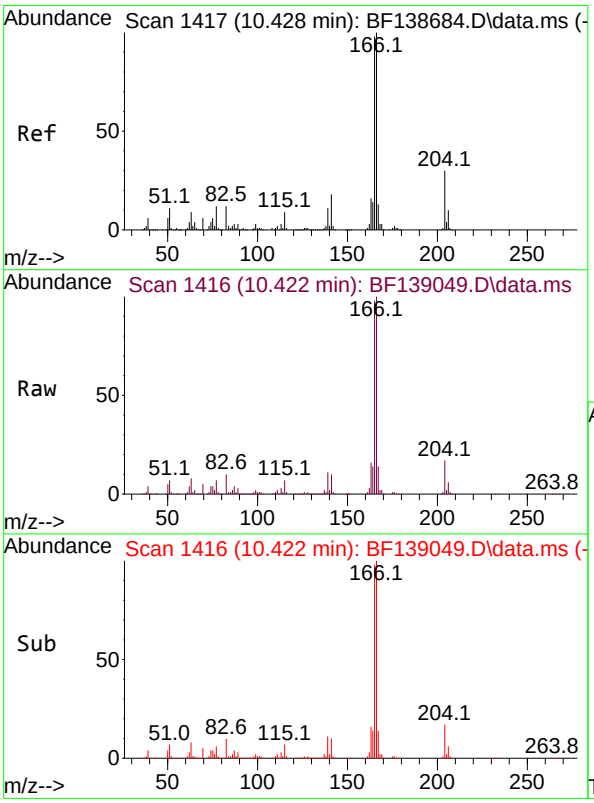
Ion	Ratio	Lower	Upper
165	100		
63	83.0	46.3	69.5#
89	94.2	64.2	96.4
182	2.8	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

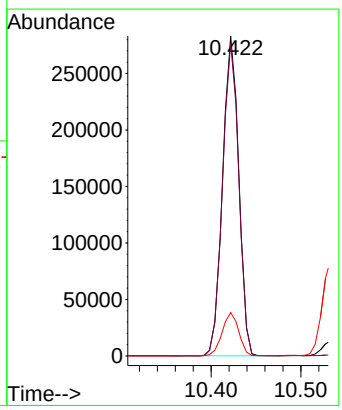
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

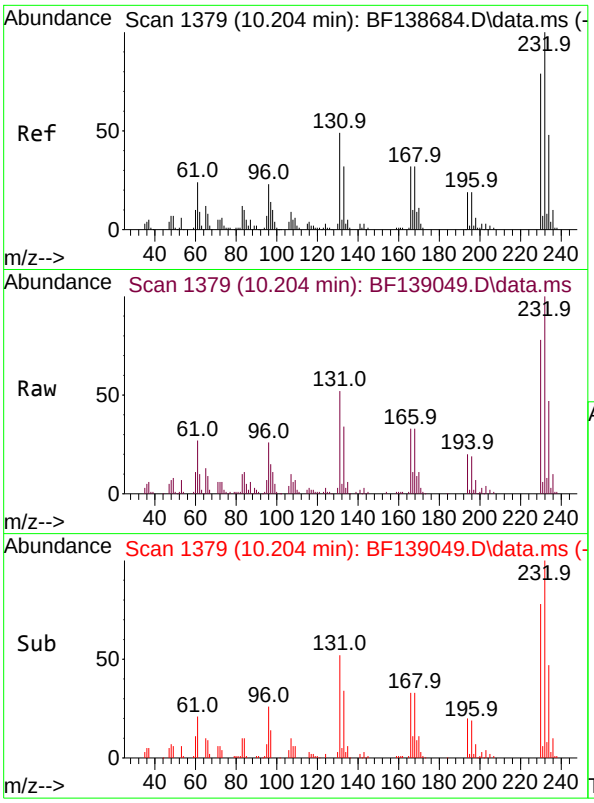


#58
Fluorene
Concen: 41.289 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:166 Resp: 353173

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.6	10.6	16.0

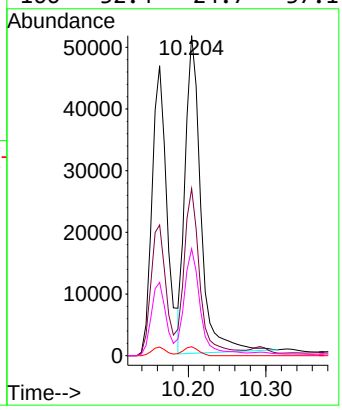




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.398 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:232 Resp: 7253

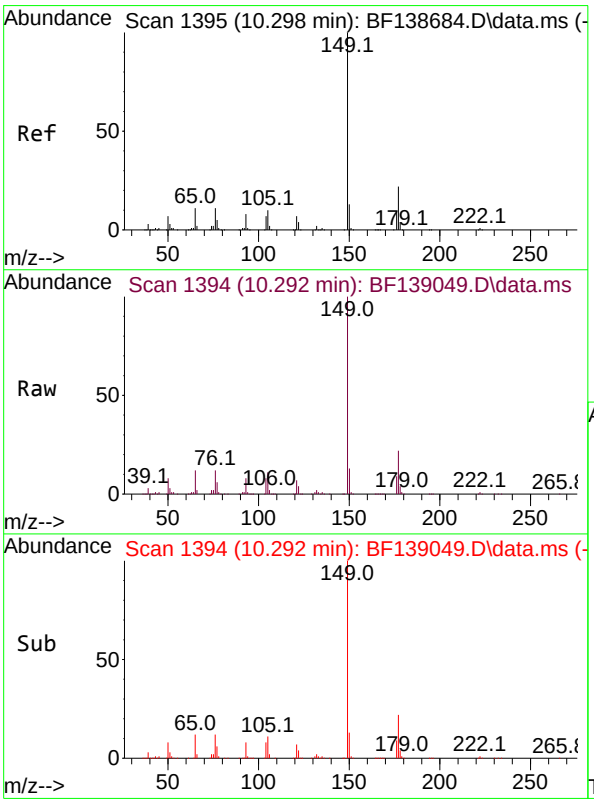
Ion	Ratio	Lower	Upper
232	100		
131	52.6	37.0	55.4
130	2.8	2.0	3.0
166	32.4	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

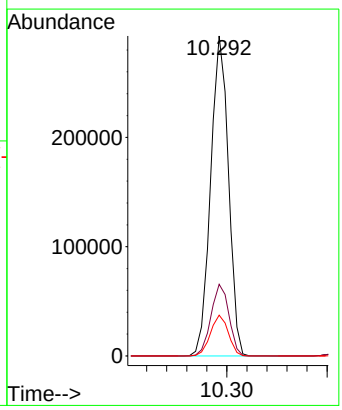
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

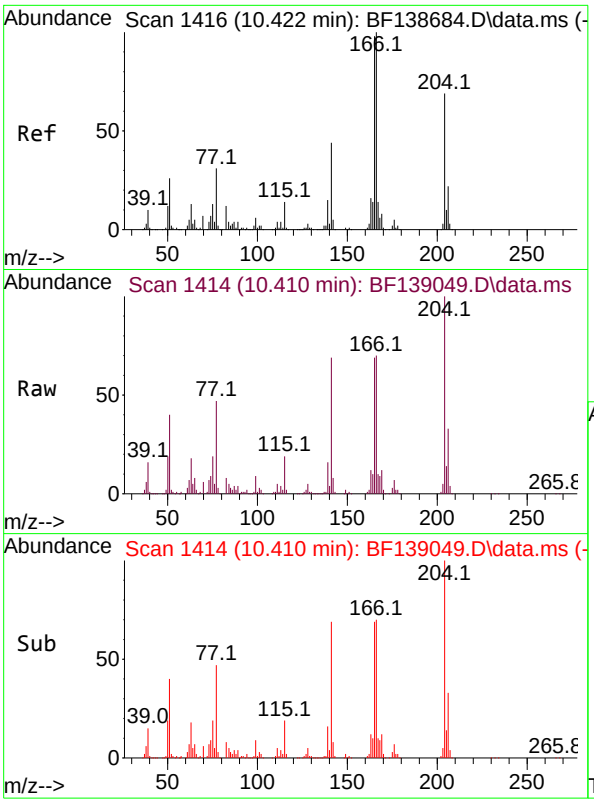


#60
Diethylphthalate
Concen: 43.502 ng
RT: 10.292 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:149 Resp: 361383

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.8
150	12.8	10.1	15.1

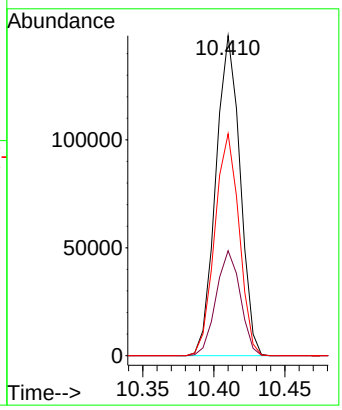




#61
4-Chlorophenyl-phenylether
Concen: 41.818 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:204 Resp: 17592

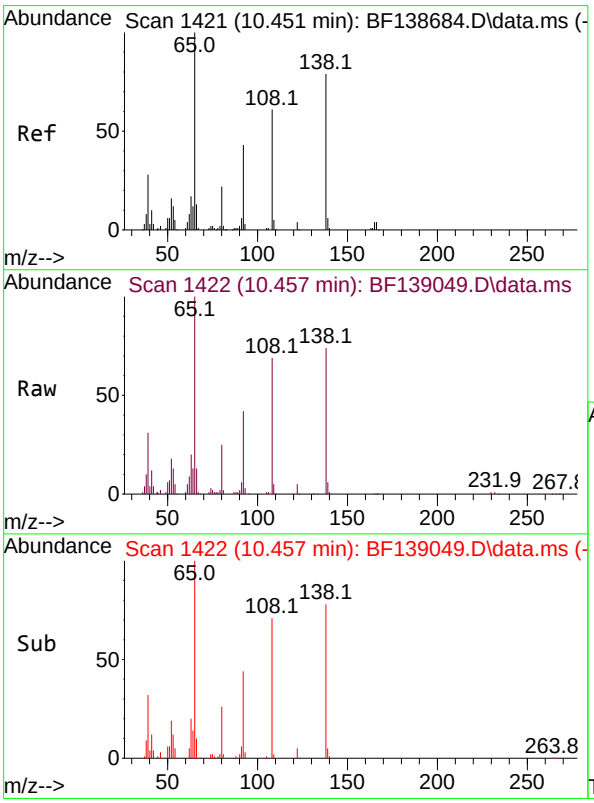
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.1	39.1
141	69.4	51.4	77.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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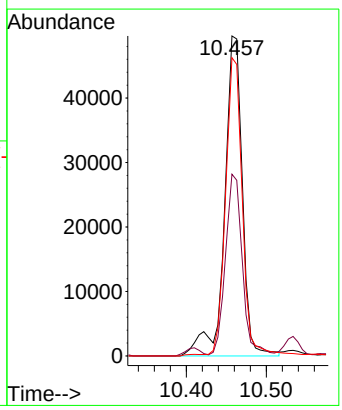
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

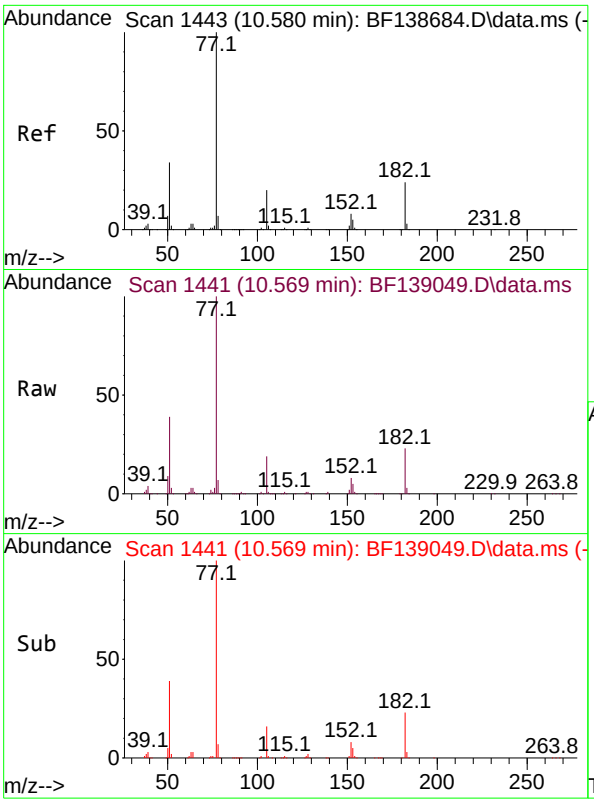


#62
4-Nitroaniline
Concen: 39.626 ng m
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:138 Resp: 76973

Ion	Ratio	Lower	Upper
138	100		
92	56.8	34.2	74.2
108	93.2	56.2	96.2

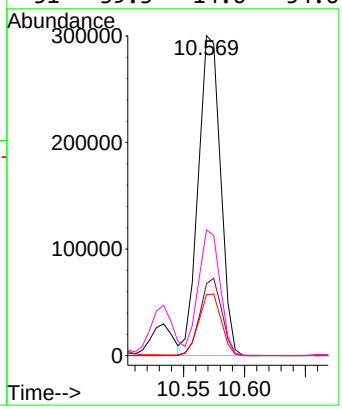




#63
Azobenzene
Concen: 41.572 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion: 77 Resp: 38302

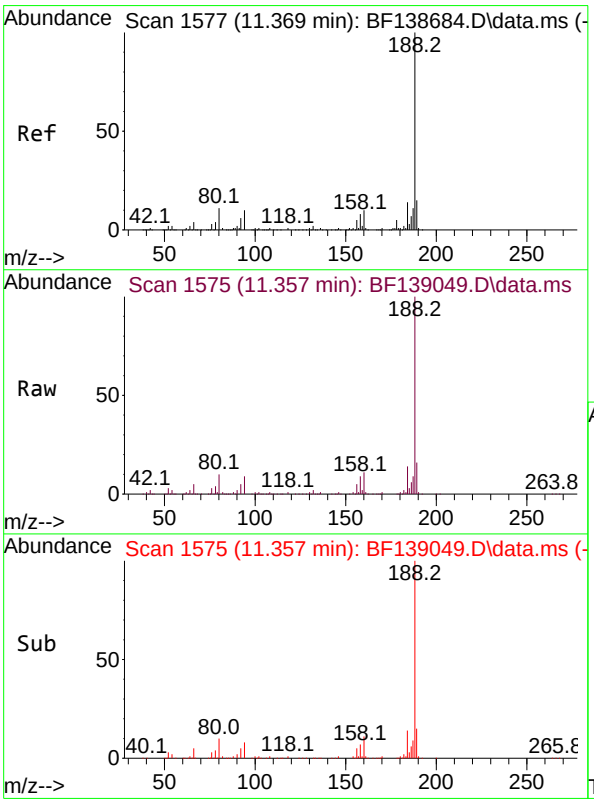
Ion	Ratio	Lower	Upper
77	100		
182	22.5	3.4	43.4
105	19.0	0.2	40.2
51	39.3	14.6	54.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

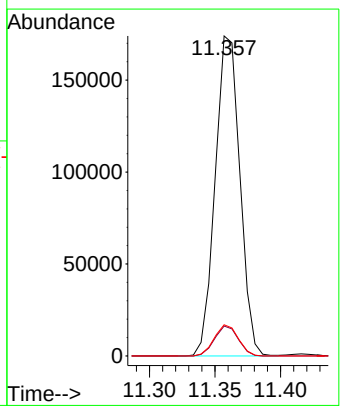
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

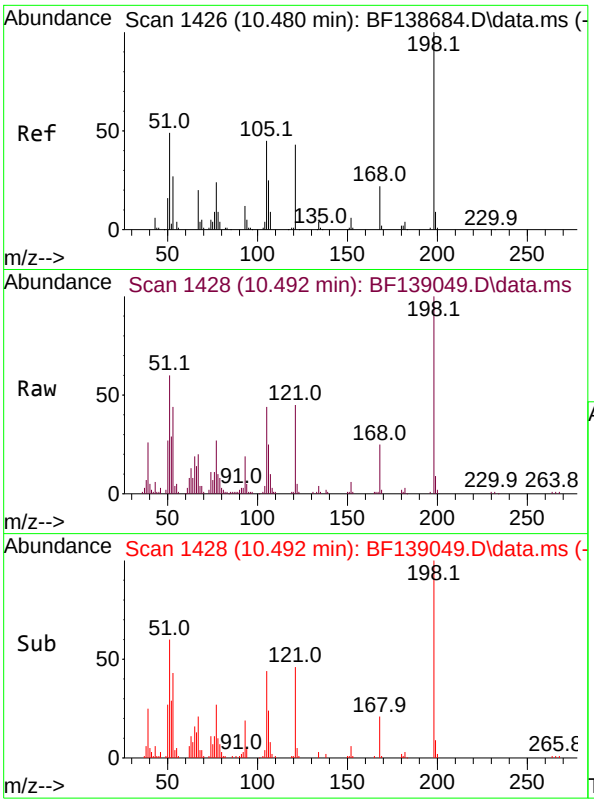


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:188 Resp: 227673

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.6	11.4
80	9.7	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 41.252 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

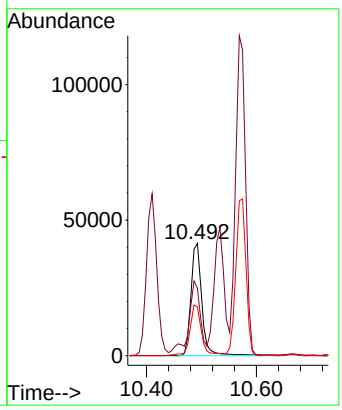
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

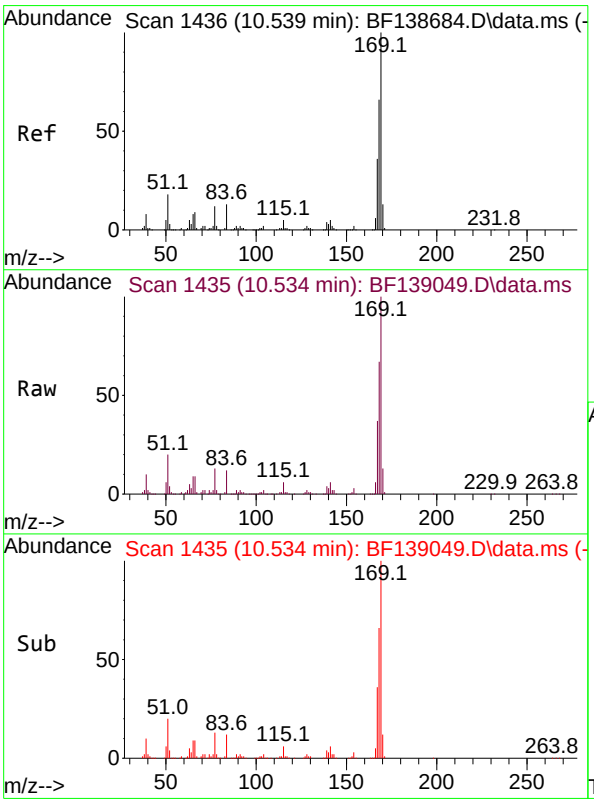
Tgt Ion:198 Resp: 5729

Ion	Ratio	Lower	Upper
198	100		
51	60.2	39.9	79.9
105	43.5	26.1	66.1

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

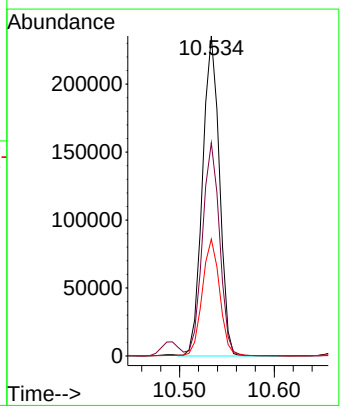


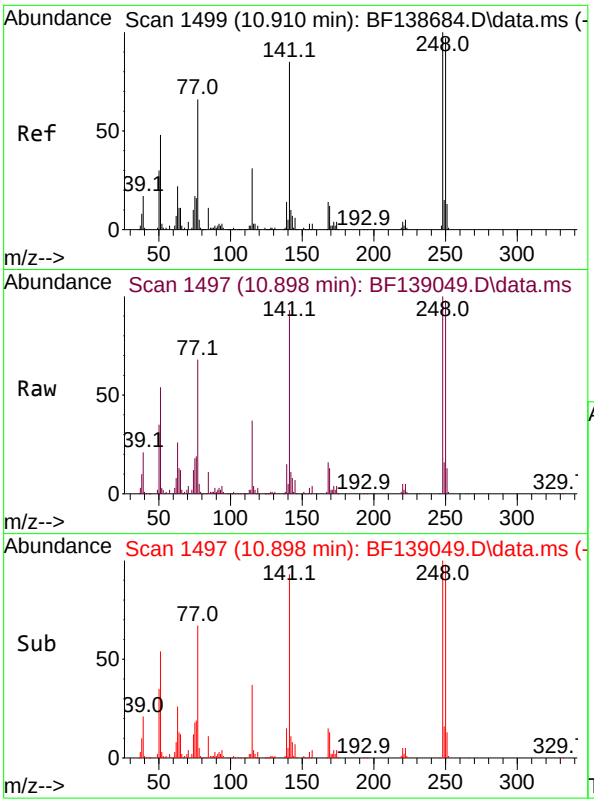


#66
n-Nitrosodiphenylamine
Concen: 41.060 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:169 Resp: 292203

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.6
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 40.814 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

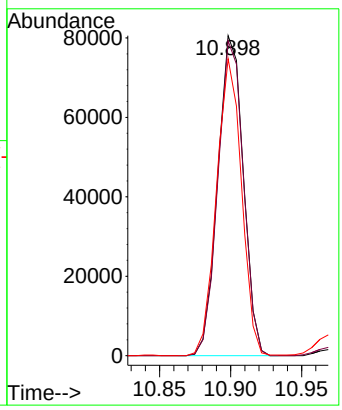
Tgt Ion:248 Resp: 10060

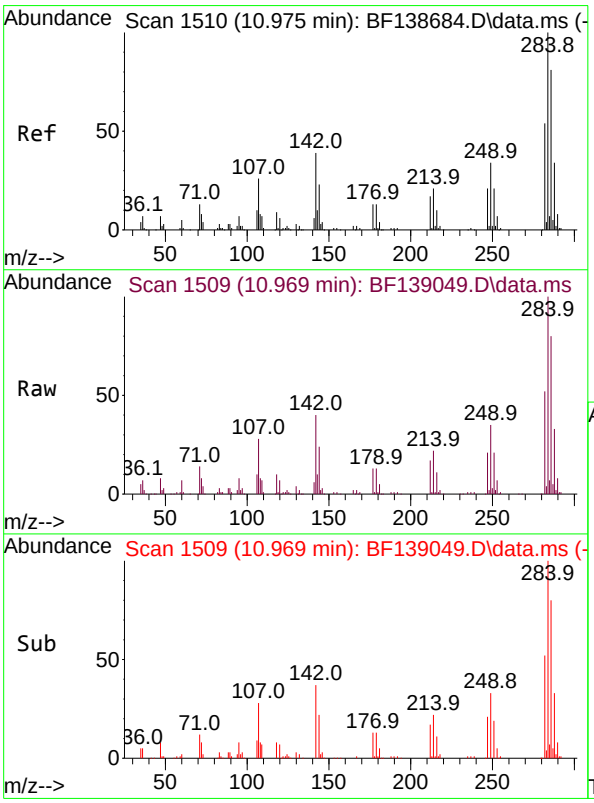
Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.7	116.5
141	92.8	68.0	102.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

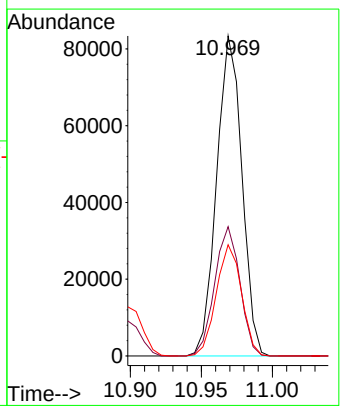


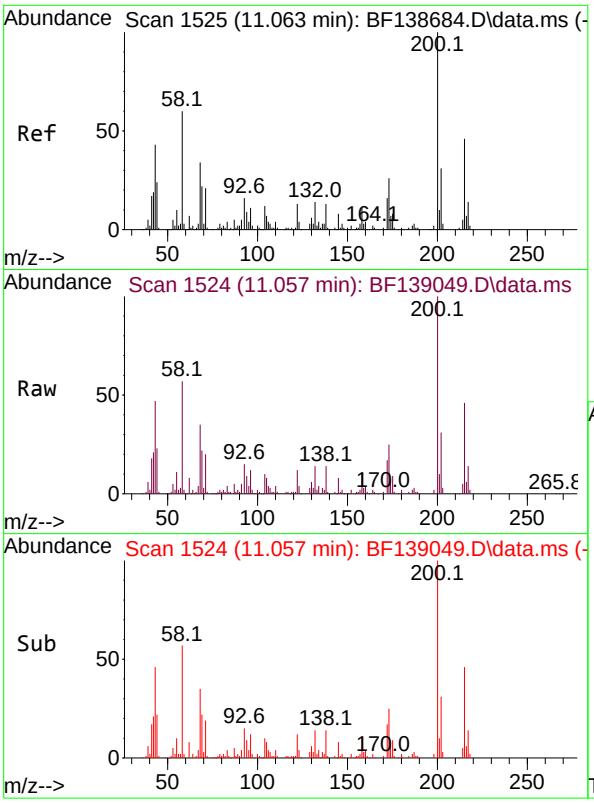


#68
Hexachlorobenzene
Concen: 40.484 ng
RT: 10.969 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:284 Resp: 103036

Ion	Ratio	Lower	Upper
284	100		
142	40.4	31.3	46.9
249	34.8	27.2	40.8





#69
Atrazine
Concen: 35.061 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

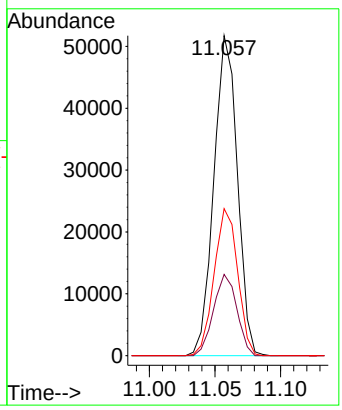
Tgt Ion:200 Resp: 6437

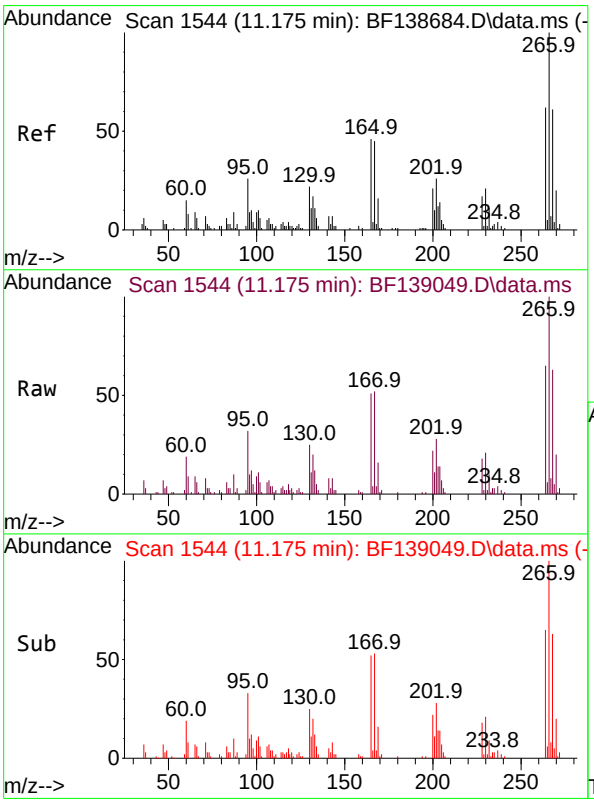
Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.0	46.0
215	46.0	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

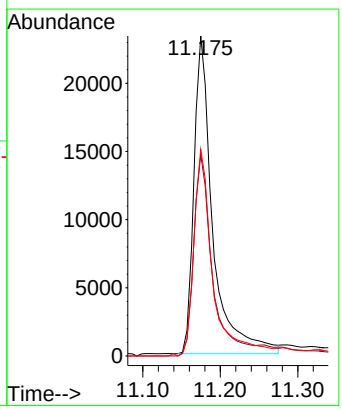


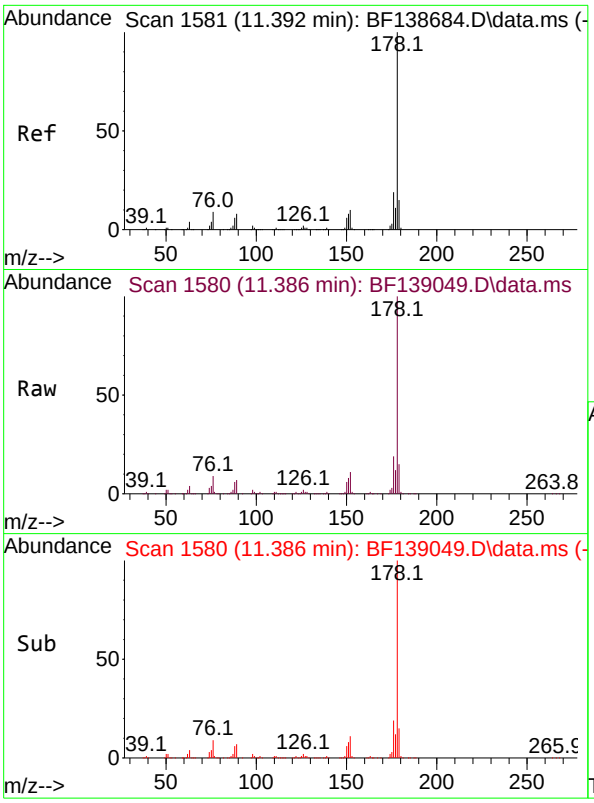


#70
Pentachlorophenol
Concen: 34.470 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:266 Resp: 39544

Ion	Ratio	Lower	Upper
266	100		
268	62.9	49.2	73.8
264	64.6	49.8	74.6

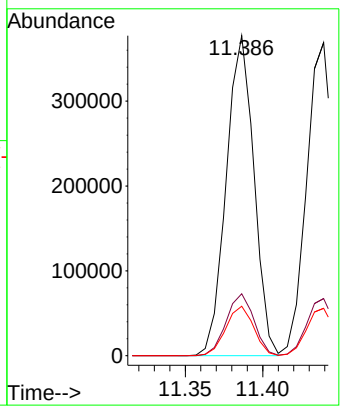




#71
Phenanthrene
Concen: 39.975 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:178 Resp: 46864

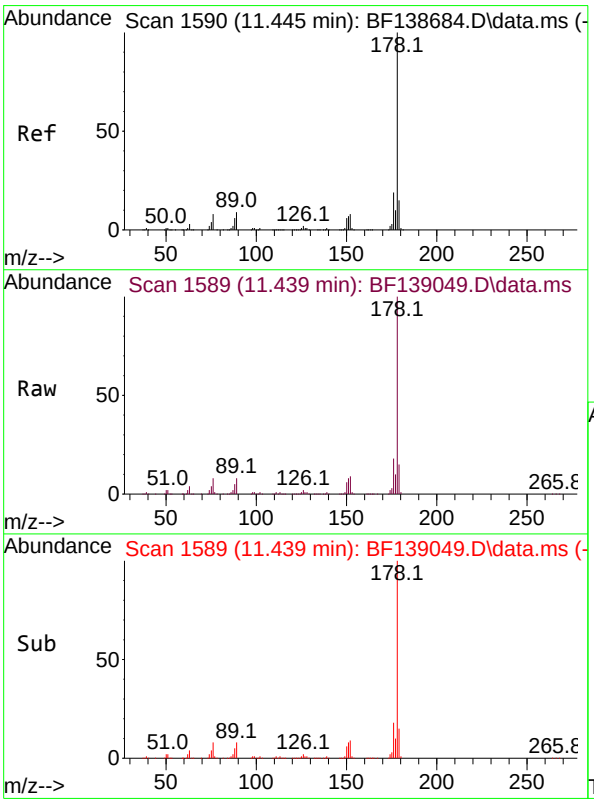
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

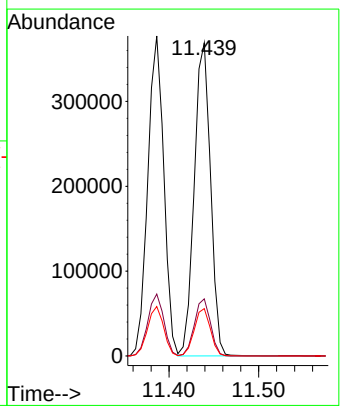
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

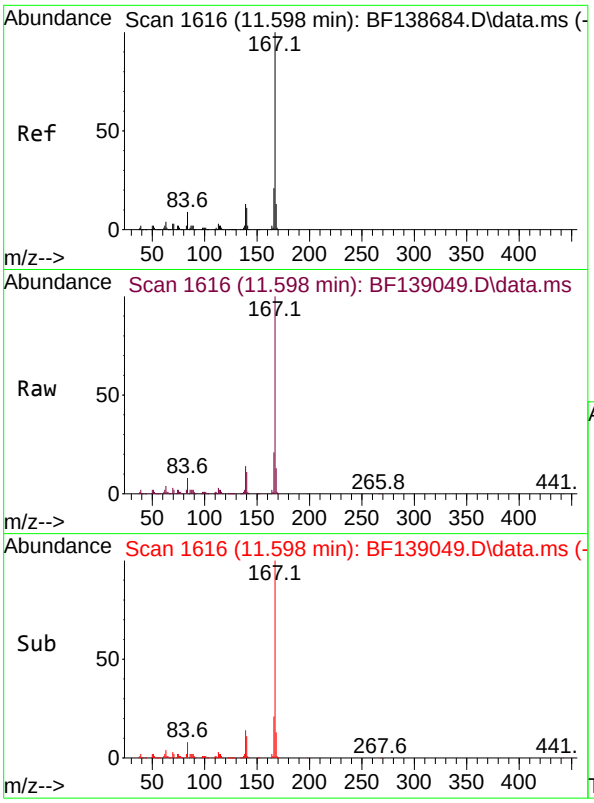


#72
Anthracene
Concen: 40.188 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:178 Resp: 464138

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.1	12.4	18.6

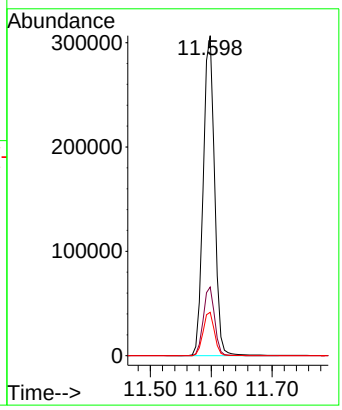




#73
Carbazole
Concen: 39.741 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:167 Resp: 39597

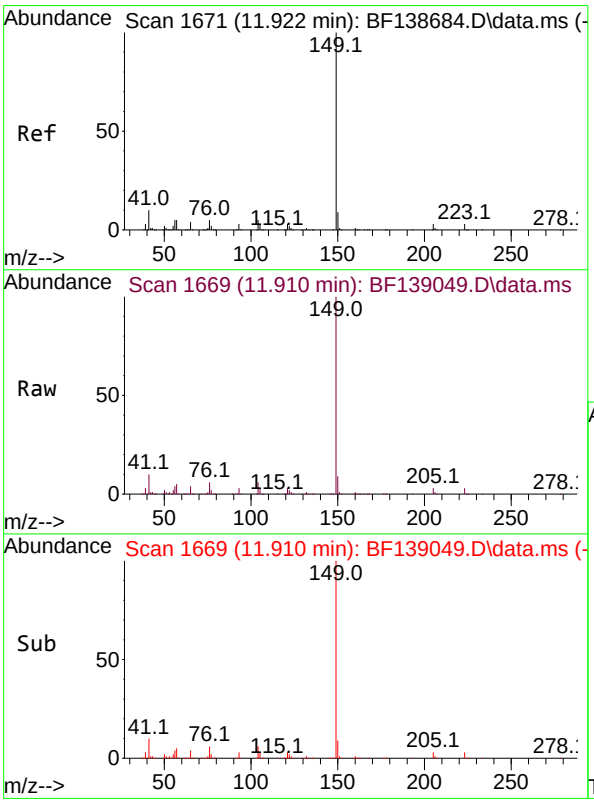
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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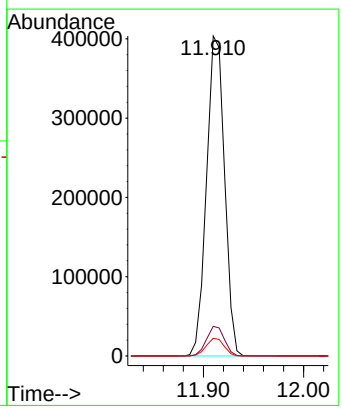
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

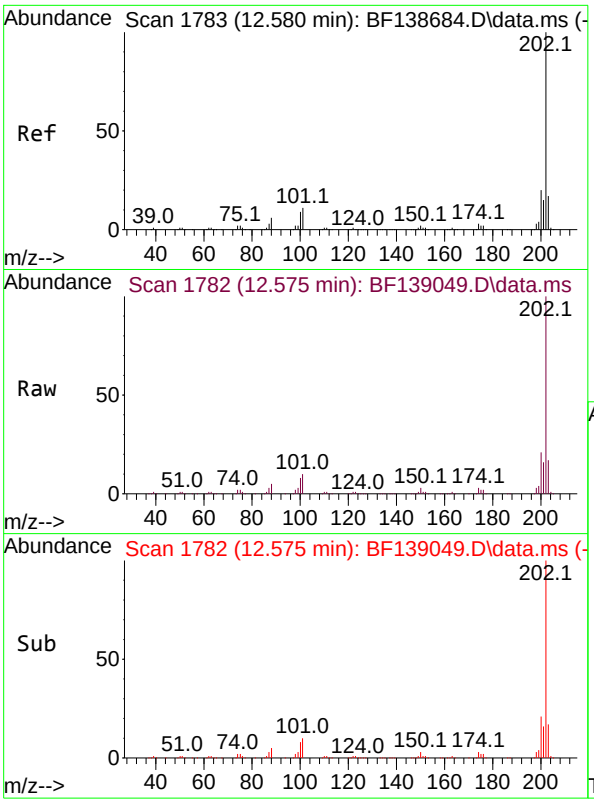


#74
Di-n-butylphthalate
Concen: 45.187 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:149 Resp: 506144

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.6	4.1	6.1





#75
Fluoranthene
Concen: 38.161 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

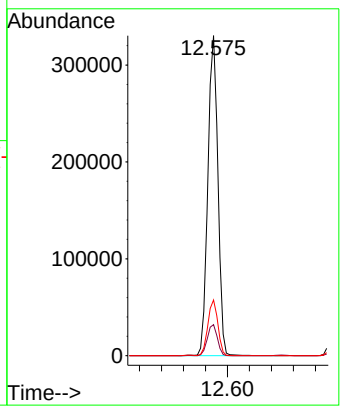
Tgt Ion:202 Resp: 41764

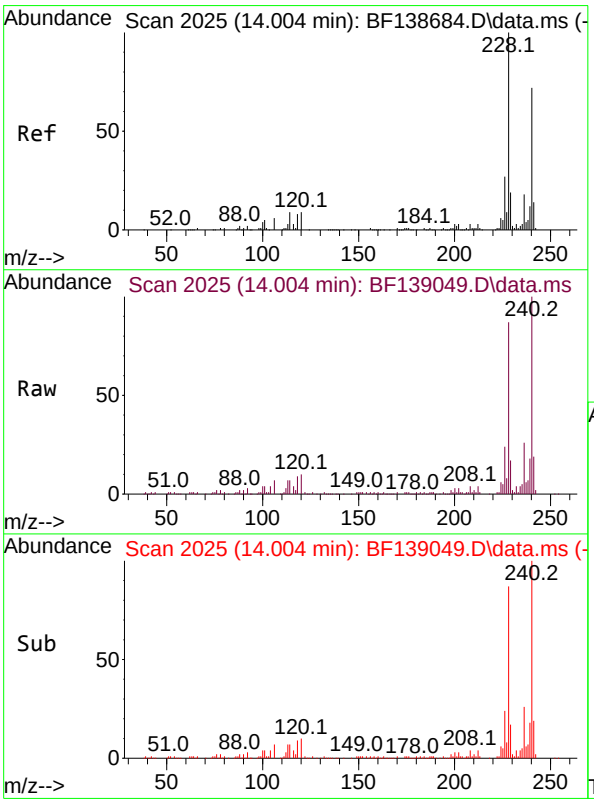
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.2
203	17.4	0.0	37.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

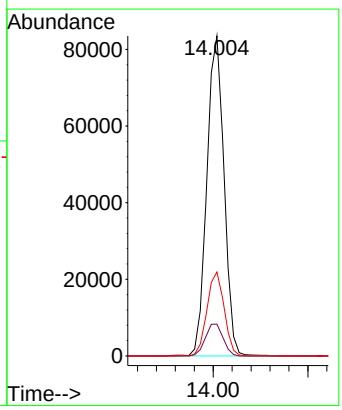


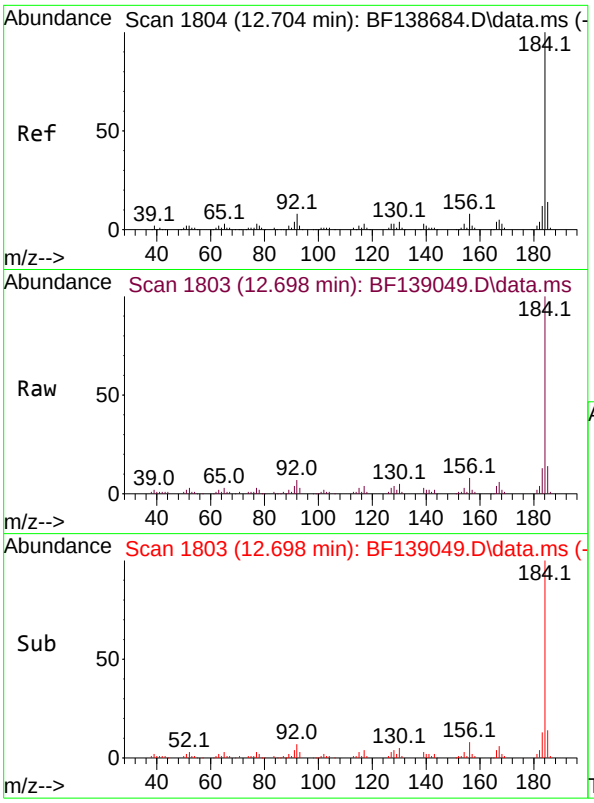


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:240 Resp: 105031

Ion	Ratio	Lower	Upper
240	100		
120	10.0	10.2	15.4#
236	26.2	19.8	29.8

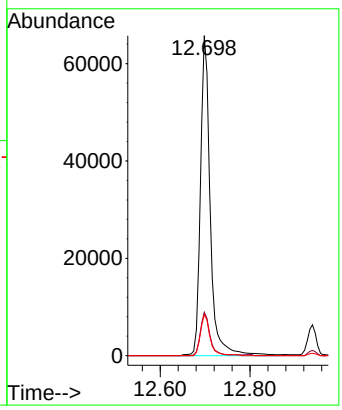




#77
Benzidine
Concen: 39.625 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:184 Resp: 9954

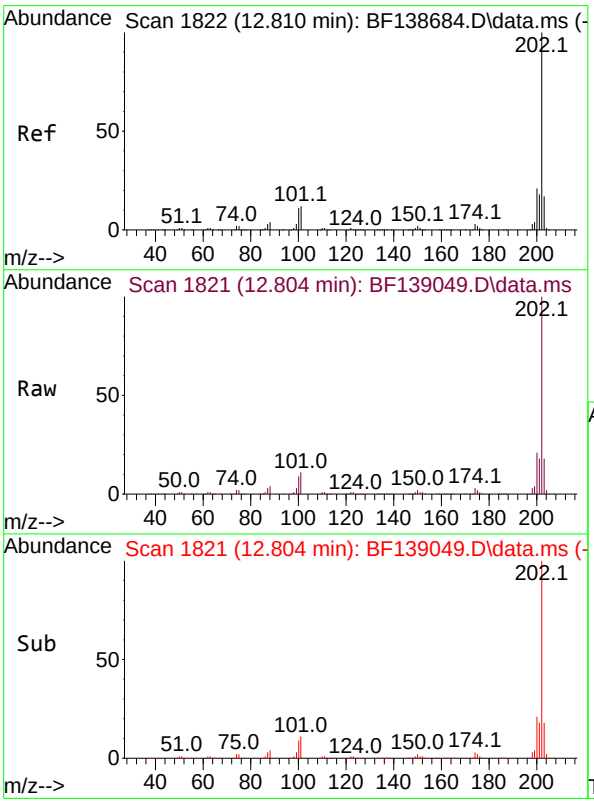
Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.1	16.7
183	12.8	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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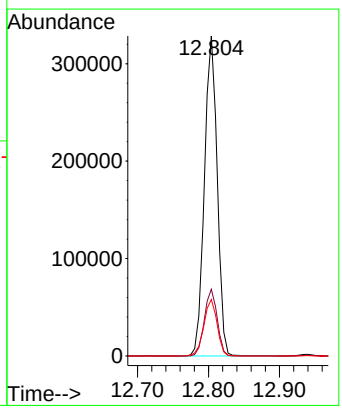
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

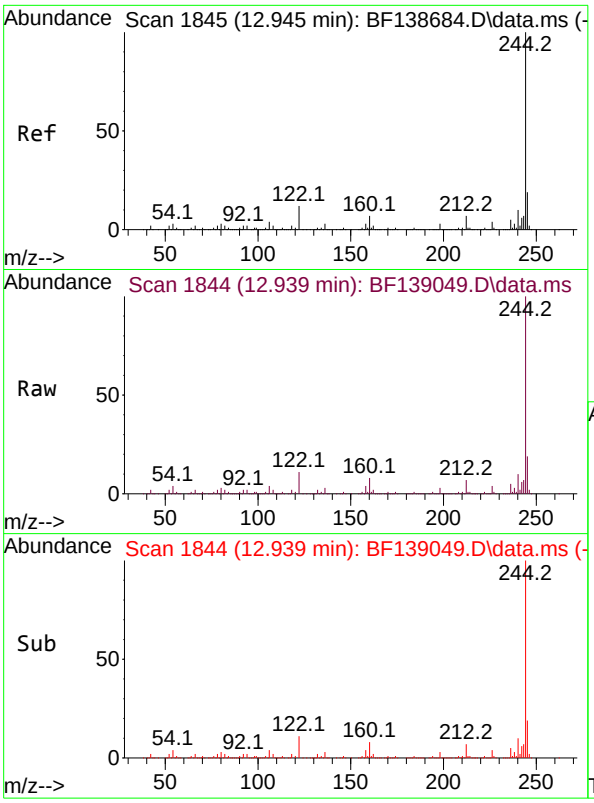


#78
Pyrene
Concen: 41.683 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:202 Resp: 412208

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.6	13.8	20.6

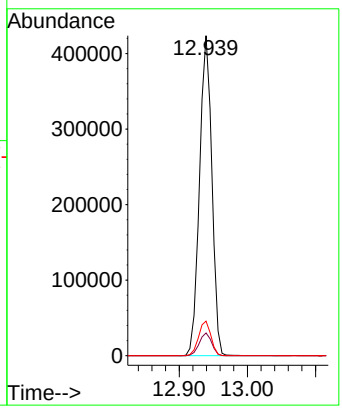




#79
Terphenyl-d14
Concen: 85.104 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:244 Resp: 53387

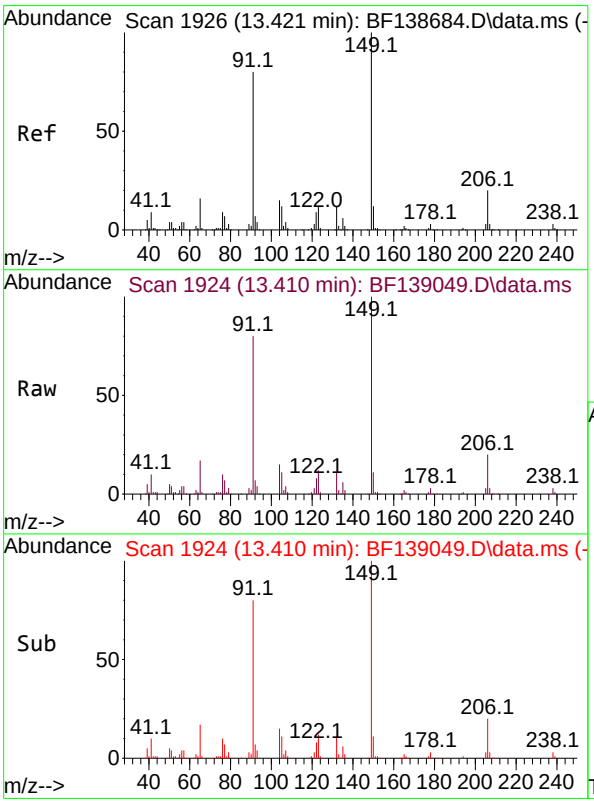
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	10.8	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

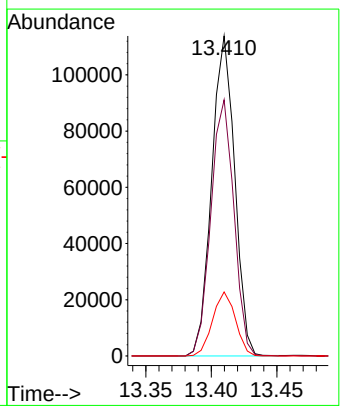
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

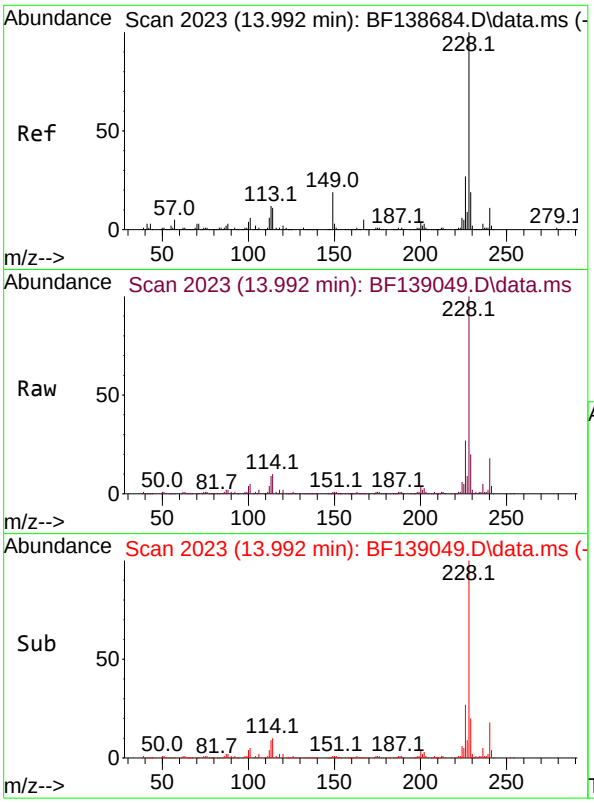


#80
Butylbenzylphthalate
Concen: 43.783 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:149 Resp: 138648

Ion	Ratio	Lower	Upper
149	100		
91	80.1	63.7	95.5
206	20.0	16.2	24.2





#81
Benzo(a)anthracene
Concen: 39.071 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

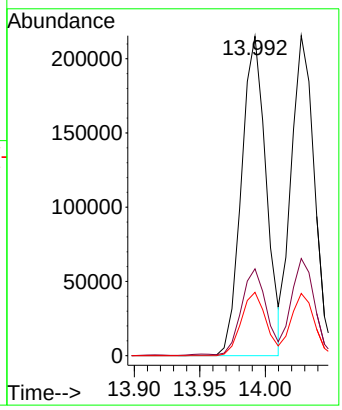
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

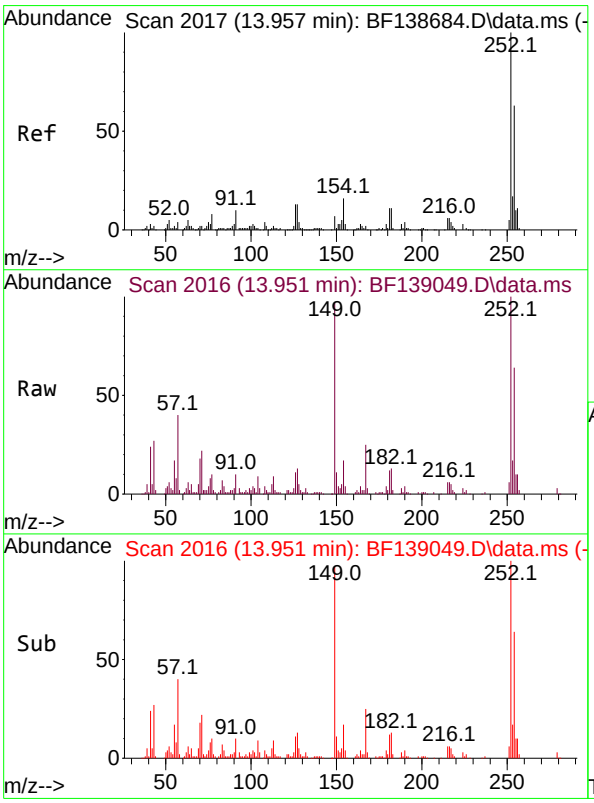
Tgt Ion:228 Resp: 28258

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.9	15.4	23.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

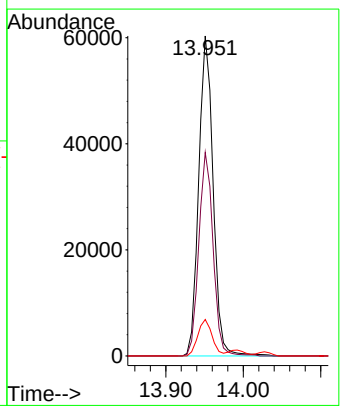


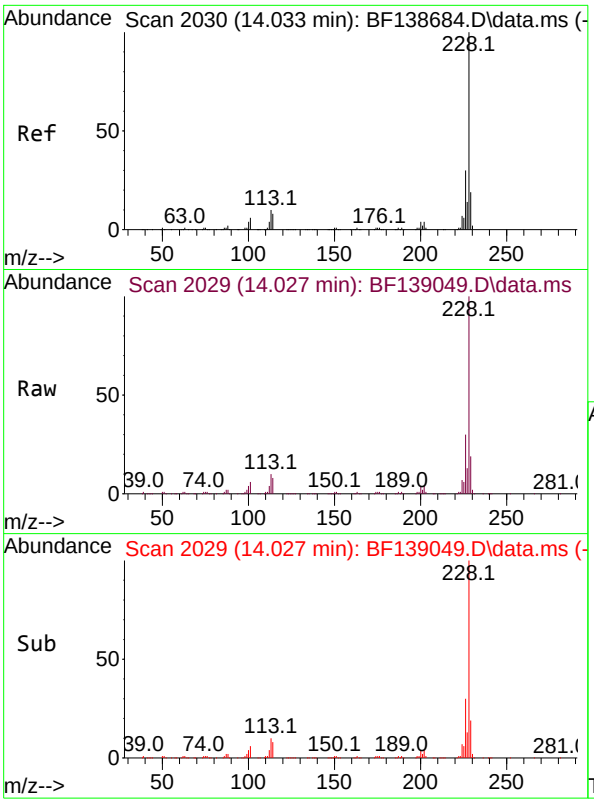


#82
3,3'-Dichlorobenzidine
Concen: 42.071 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:252 Resp: 77868

Ion	Ratio	Lower	Upper
252	100		
254	63.6	50.8	76.2
126	11.4	10.2	15.2

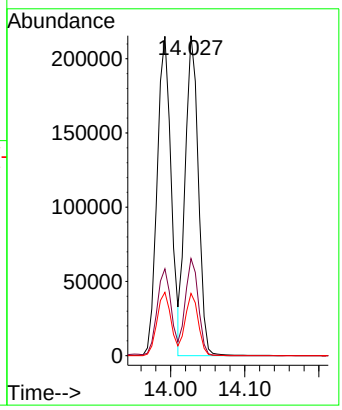




#83
Chrysene
Concen: 40.614 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:228 Resp: 26501

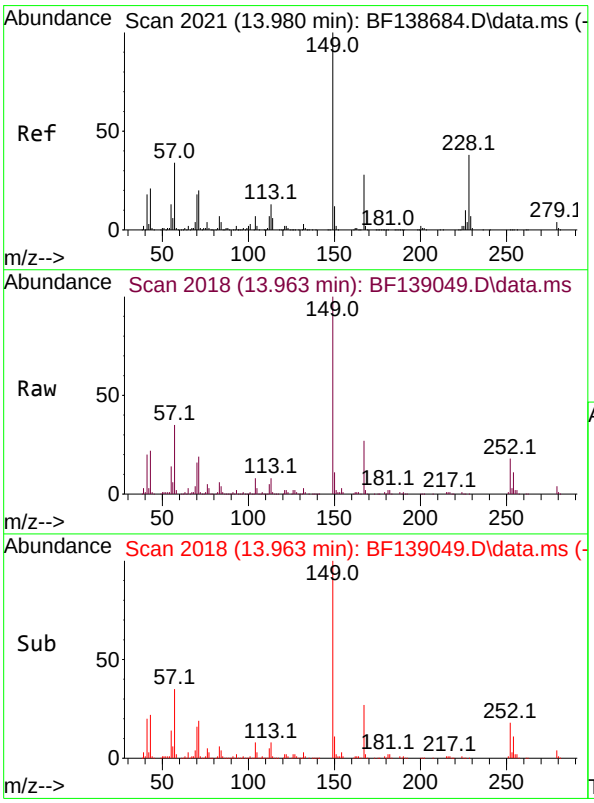
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	19.5	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

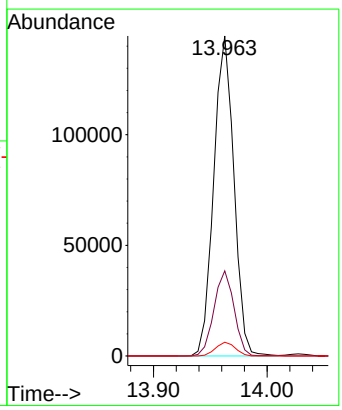
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

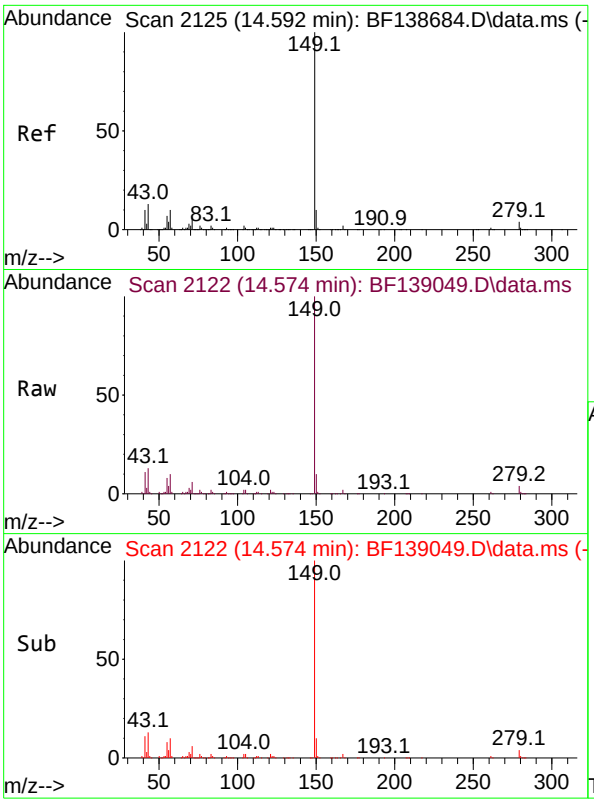


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.484 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:149 Resp: 178456

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: 36.513 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

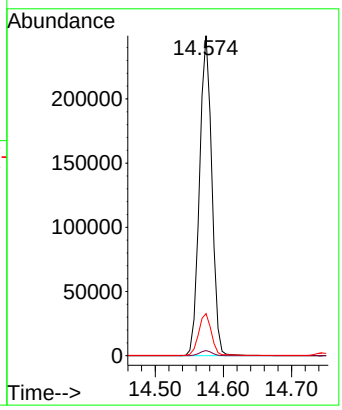
Tgt Ion:149 Resp: 31326

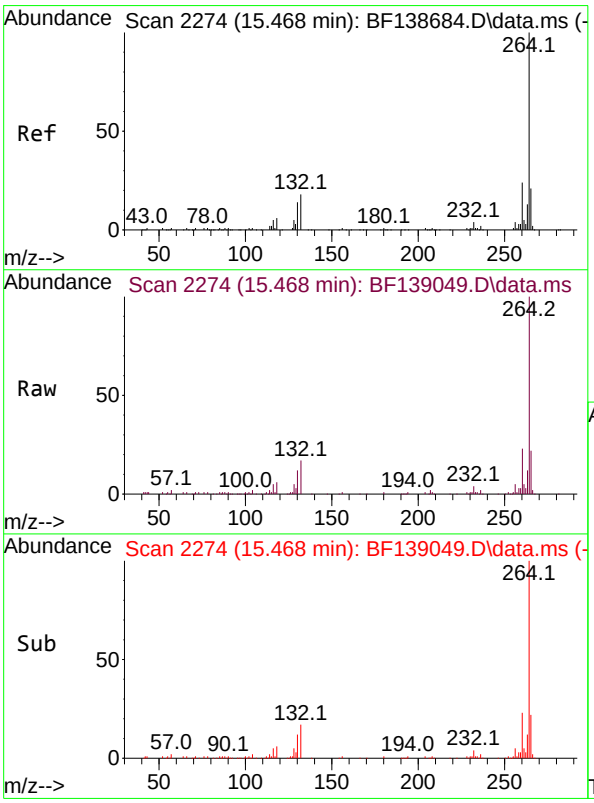
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.5	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

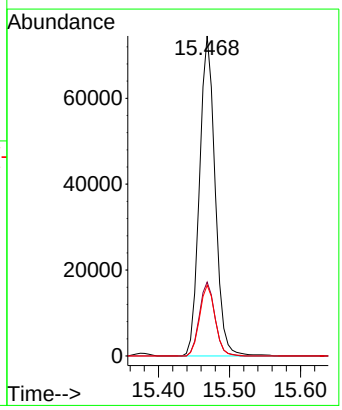


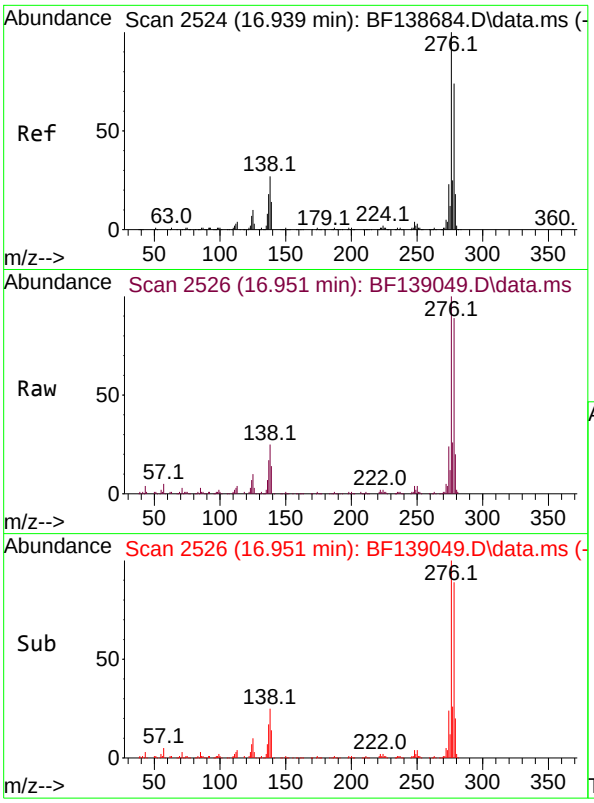


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:264 Resp: 114377

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.6
265	22.1	17.0	25.6

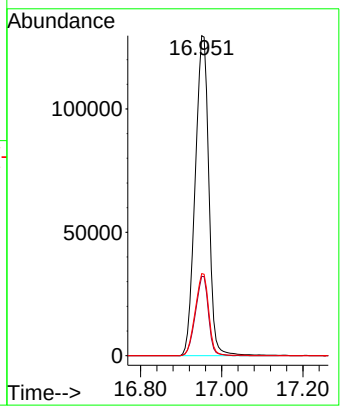




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.967 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:276 Resp: 30300

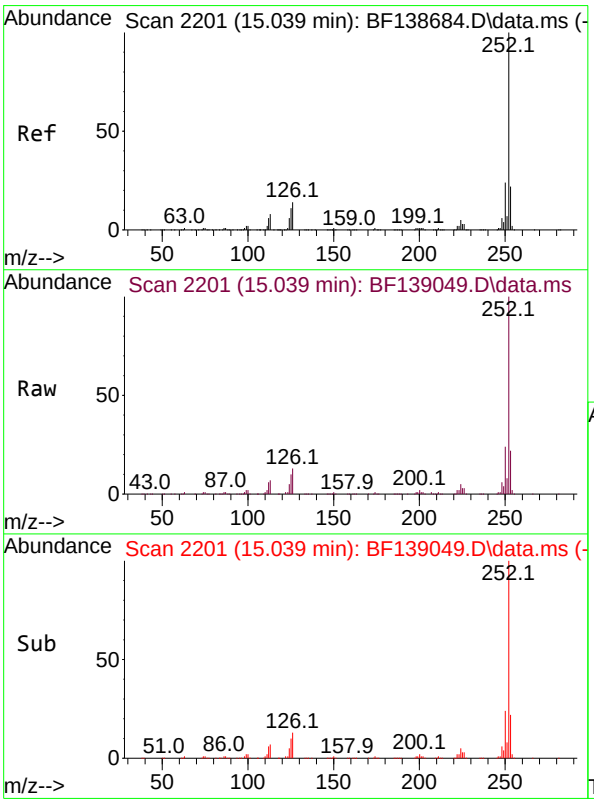
Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.8	32.8
277	25.3	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

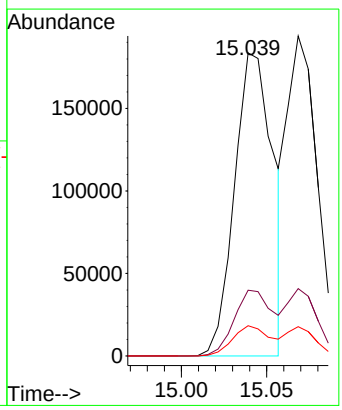
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

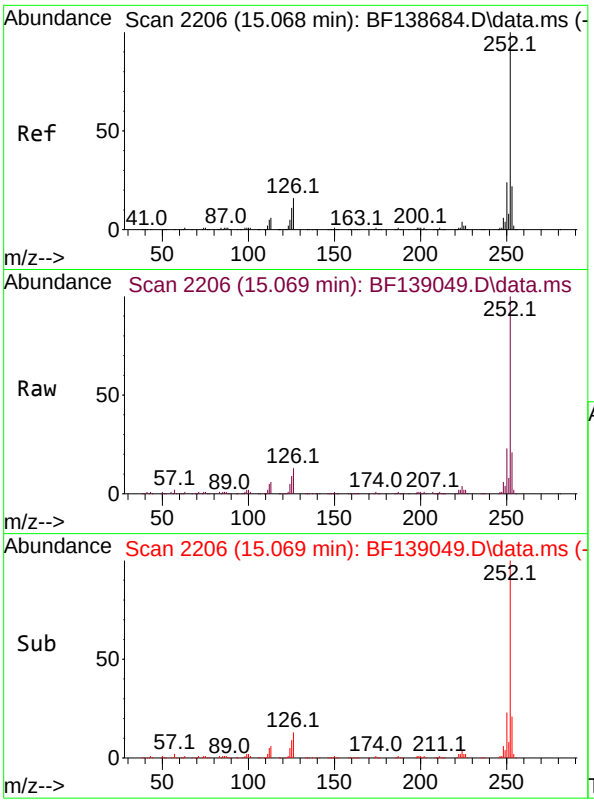


#88
Benzo(b)fluoranthene
Concen: 40.776 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:252 Resp: 289113

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.0	8.9	13.3

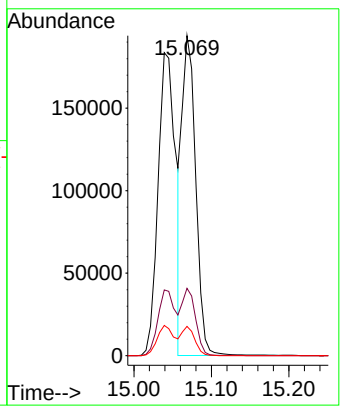




#89
Benzo(k)fluoranthene
Concen: 39.065 ng
RT: 15.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:252 Resp: 23981

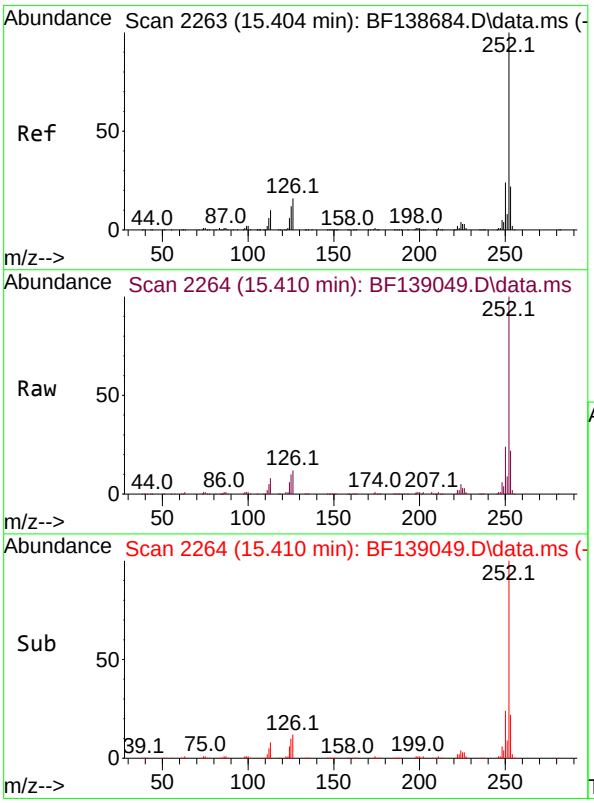
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.0
125	9.2	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

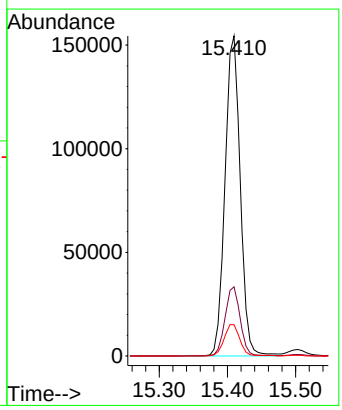
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

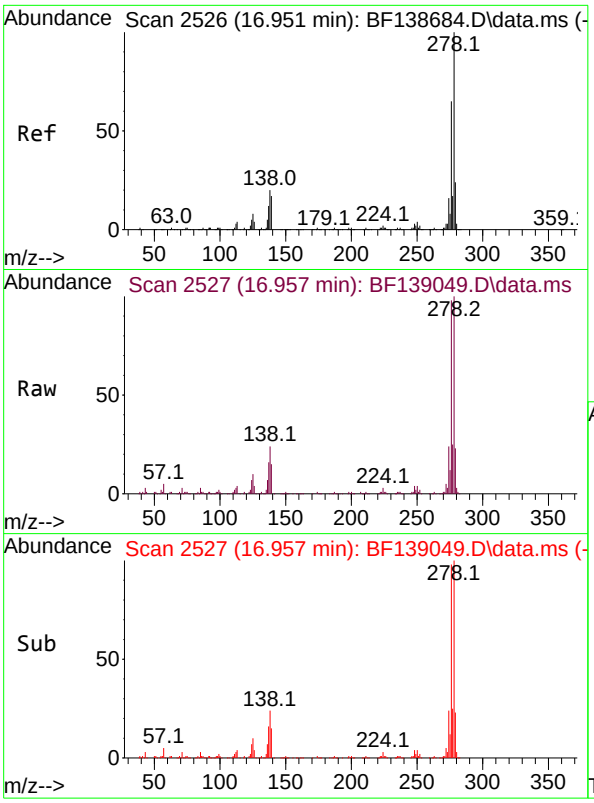


#90
Benzo(a)pyrene
Concen: 40.324 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:252 Resp: 240490

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.8	9.5	14.3

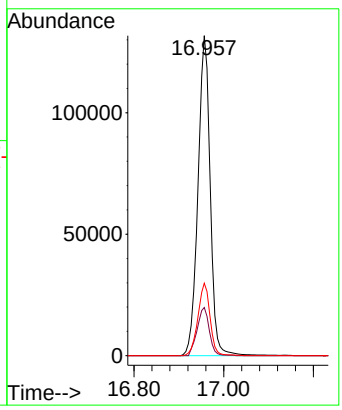




#91
Dibenzo(a,h)anthracene
Concen: 37.033 ng
RT: 16.957 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:278 Resp: 24917

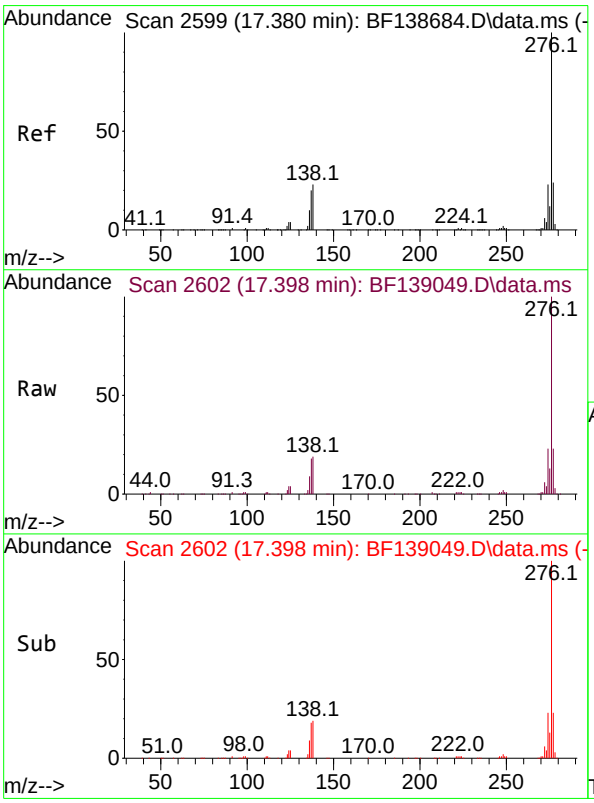
Ion	Ratio	Lower	Upper
278	100		
139	15.1	14.0	21.0
279	22.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

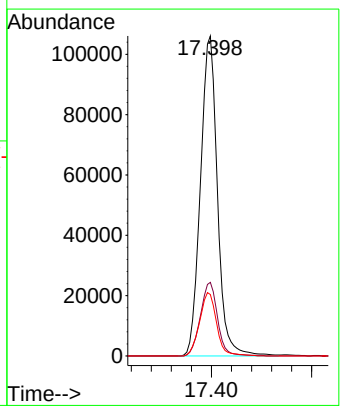
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024



#92
Benzo(g,h,i)perylene
Concen: 35.751 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF139049.D
Acq: 16 Aug 2024 10:14

Tgt Ion:276 Resp: 249615

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	19.2	18.5	27.7



Sample Results: **BF139049.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 16 11:05:05 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 17:50:01 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	87	0.00
2		1,4-Dioxane	0.567	0.516	9.0	78	0.00
3		Pyridine	1.374	1.279	6.9	80	0.00
4		n-Nitrosodimethylamine	0.818	0.911	-11.4	97	0.03
5	S	2-Fluorophenol	1.296	1.277	1.5	87	0.00
6		Aniline	1.551	1.506	2.9	85	0.00
7	S	Phenol-d6	1.740	1.702	2.2	88	0.00
8		2-Chlorophenol	1.363	1.324	2.9	87	0.00
9		Benzaldehyde	1.043	0.942	9.7	90	0.00
10	C	Phenol	1.832	1.741	5.0	85	0.00
11		bis(2-Chloroethyl)ether	1.409	1.304	7.5	83	0.00
12		1,3-Dichlorobenzene	1.526	1.497	1.9	88	-0.01
13	C	1,4-Dichlorobenzene	1.540	1.512	1.8	88	0.00
14		1,2-Dichlorobenzene	1.439	1.451	-0.8	89	0.00
15		Benzyl Alcohol	1.254	1.328	-5.9	95	0.00
16		2,2'-oxybis(1-Chloropropane	2.426	2.251	7.2	83	-0.01
17		2-Methylphenol	1.126	1.099	2.4	86	0.00
18		Hexachloroethane	0.580	0.588	-1.4	90	-0.01
19	P	n-Nitroso-di-n-propylamine	1.051	1.081	-2.9	95	0.00
20		3+4-Methylphenols	1.444	1.478	-2.4	94	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.490	0.517	-5.5	95	0.00
23	S	Nitrobenzene-d5	0.409	0.434	-6.1	95	0.00
24		Nitrobenzene	0.416	0.429	-3.1	91	0.00
25		Isophorone	0.699	0.710	-1.6	93	0.00
26	C	2-Nitrophenol	0.179	0.185	-3.4	90	0.00
27		2,4-Dimethylphenol	0.214	0.215	-0.5	89	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.420	1.2	89	0.00
29	C	2,4-Dichlorophenol	0.275	0.284	-3.3	91	0.00
30		1,2,4-Trichlorobenzene	0.318	0.322	-1.3	90	0.00
31		Naphthalene	1.053	1.057	-0.4	90	0.00
32		Benzoic acid	0.168	0.145	13.7	78	0.04
33		4-Chloroaniline	0.353	0.343	2.8	88	0.00
34	C	Hexachlorobutadiene	0.192	0.212	-10.4	99	-0.01
35		Caprolactam	0.082	0.087	-6.1	99	0.02
36	C	4-Chloro-3-methylphenol	0.315	0.328	-4.1	95	0.00
37		2-Methylnaphthalene	0.665	0.682	-2.6	93	-0.01
38		1-Methylnaphthalene	0.652	0.666	-2.1	93	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00
40		1,2,4,5-Tetrachlorobenzene	0.556	0.570	-2.5	97	0.00
41	P	Hexachlorocyclopentadiene	0.120	0.119	0.8	88	-0.01
42	S	2,4,6-Tribromophenol	0.164	0.161	1.8	94	0.00
43	C	2,4,6-Trichlorophenol	0.339	0.332	2.1	92	0.00
44		2,4,5-Trichlorophenol	0.370	0.359	3.0	91	0.00
45	S	2-Fluorobiphenyl	1.331	1.401	-5.3	100	-0.01
46		1,1'-Biphenyl	1.566	1.605	-2.5	97	-0.01
47		2-Chloronaphthalene	1.165	1.164	0.1	94	0.00

Sample Results: **BF139049.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 16 11:05:05 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 17:50:01 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	0.413	-4.6	99	0.00
49		Acenaphthylene	1.652	1.655	-0.2	94	-0.01
50		Dimethylphthalate	1.279	1.346	-5.2	102	0.00
51		2,6-Dinitrotoluene	0.289	0.304	-5.2	99	0.00
52	C	Acenaphthene	1.111	1.099	1.1	95	0.00
53		3-Nitroaniline	0.298	0.293	1.7	95	0.00
54	P	2,4-Dinitrophenol	0.133	0.136	-2.3	100	0.00
55		Dibenzofuran	1.568	1.579	-0.7	97	0.00
56	P	4-Nitrophenol	0.179	0.167	6.7	89	0.02
57		2,4-Dinitrotoluene	0.368	0.394	-7.1	101	0.00
58		Fluorene	1.249	1.289	-3.2	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.283	0.265	6.4	90	0.00
60		Diethylphthalate	1.213	1.319	-8.7	106	0.00
61		4-Chlorophenyl-phenylether	0.614	0.642	-4.6	102	-0.01
62		4-Nitroaniline	0.284	0.281	1.1	96	0.00
63		Azobenzene	1.345	1.398	-3.9	100	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	-0.01
65		4,6-Dinitro-2-methylphenol	0.122	0.126	-3.3	101	0.01
66	c	n-Nitrosodiphenylamine	0.625	0.642	-2.7	102	0.00
67		4-Bromophenyl-phenylether	0.217	0.221	-1.8	102	-0.01
68		Hexachlorobenzene	0.224	0.226	-0.9	103	0.00
69		Atrazine	0.161	0.141	12.4	87	0.00
70	C	Pentachlorophenol	0.101	0.087	13.9	85	0.00
71		Phenanthrene	1.030	1.029	0.1	101	0.00
72		Anthracene	1.015	1.019	-0.4	102	0.00
73		Carbazole	0.875	0.870	0.6	100	0.00
74		Di-n-butylphthalate	0.984	1.112	-13.0	112	-0.01
75	C	Fluoranthene	0.961	0.917	4.6	95	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	83	0.00
77		Benzidine	0.478	0.474	0.8	74	0.00
78		Pyrene	1.883	1.962	-4.2	94	0.00
79	S	Terphenyl-d14	1.195	1.271	-6.4	96	0.00
80		Butylbenzylphthalate	0.603	0.660	-9.5	88	-0.01
81		Benzo(a)anthracene	1.377	1.345	2.3	80	0.00
82		3,3'-Dichlorobenzidine	0.352	0.371	-5.4	86	0.00
83		Chrysene	1.243	1.262	-1.5	86	0.00
84		Bis(2-ethylhexyl)phthalate	0.883	0.850	3.7	75	-0.02
85	c	Di-n-octyl phthalate	1.634	1.491	8.8	71	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	75	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.325	7.5	72	0.01
88		Benzo(b)fluoranthene	1.240	1.264	-1.9	78	0.00
89		Benzo(k)fluoranthene	1.073	1.048	2.3	79	0.00
90	C	Benzo(a)pyrene	1.043	1.051	-0.8	78	0.00
91		Dibenzo(a,h)anthracene	1.177	1.089	7.5	73	0.00
92		Benzo(g,h,i)perylene	1.221	1.091	10.6	69	0.02

Sample Results: **BF139049.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 16 11:05:05 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 17:50:01 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: **BF139049.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 16 11:05:05 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 17:50:01 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	87	0.00
2		1,4-Dioxane	40.000	36.401	9.0	78	0.00
3		Pyridine	40.000	37.241	6.9	80	0.00
4		n-Nitrosodimethylamine	40.000	44.527	-11.3	97	0.03
5	S	2-Fluorophenol	80.000	78.849	1.4	87	0.00
6		Aniline	40.000	38.826	2.9	85	0.00
7	S	Phenol-d6	80.000	78.273	2.2	88	0.00
8		2-Chlorophenol	40.000	38.850	2.9	87	0.00
9		Benzaldehyde	40.000	36.137	9.7	90	0.00
10	C	Phenol	40.000	38.024	4.9	85	0.00
11		bis(2-Chloroethyl)ether	40.000	37.007	7.5	83	0.00
12		1,3-Dichlorobenzene	40.000	39.237	1.9	88	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.267	1.8	88	0.00
14		1,2-Dichlorobenzene	40.000	40.323	-0.8	89	0.00
15		Benzyl Alcohol	40.000	42.367	-5.9	95	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.117	7.2	83	-0.01
17		2-Methylphenol	40.000	39.041	2.4	86	0.00
18		Hexachloroethane	40.000	40.610	-1.5	90	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	41.154	-2.9	95	0.00
20		3+4-Methylphenols	40.000	40.949	-2.4	94	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	42.200	-5.5	95	0.00
23	S	Nitrobenzene-d5	80.000	84.870	-6.1	95	0.00
24		Nitrobenzene	40.000	41.192	-3.0	91	0.00
25		Isophorone	40.000	40.686	-1.7	93	0.00
26	C	2-Nitrophenol	40.000	41.342	-3.4	90	0.00
27		2,4-Dimethylphenol	40.000	40.109	-0.3	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.521	1.2	89	0.00
29	C	2,4-Dichlorophenol	40.000	41.243	-3.1	91	0.00
30		1,2,4-Trichlorobenzene	40.000	40.526	-1.3	90	0.00
31		Naphthalene	40.000	40.179	-0.4	90	0.00
32		Benzoic acid	40.000	34.437	13.9	78	0.04
33		4-Chloroaniline	40.000	38.848	2.9	88	0.00
34	C	Hexachlorobutadiene	40.000	44.056	-10.1	99	-0.01
35		Caprolactam	40.000	42.150	-5.4	99	0.02
36	C	4-Chloro-3-methylphenol	40.000	41.662	-4.2	95	0.00
37		2-Methylnaphthalene	40.000	41.002	-2.5	93	-0.01
38		1-Methylnaphthalene	40.000	40.902	-2.3	93	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	93	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.031	-2.6	97	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.631	8.4	88	-0.01
42	S	2,4,6-Tribromophenol	80.000	78.593	1.8	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.151	2.1	92	0.00
44		2,4,5-Trichlorophenol	40.000	38.819	3.0	91	0.00
45	S	2-Fluorobiphenyl	80.000	84.195	-5.2	100	-0.01
46		1,1'-Biphenyl	40.000	40.974	-2.4	97	-0.01
47		2-Chloronaphthalene	40.000	39.953	0.1	94	0.00

Sample Results: **BF139049.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 16 11:05:05 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 17:50:01 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	41.786	-4.5	99	0.00
49		Acenaphthylene	40.000	40.059	-0.1	94	-0.01
50		Dimethylphthalate	40.000	42.115	-5.3	102	0.00
51		2,6-Dinitrotoluene	40.000	42.202	-5.5	99	0.00
52	C	Acenaphthene	40.000	39.571	1.1	95	0.00
53		3-Nitroaniline	40.000	39.251	1.9	95	0.00
54	P	2,4-Dinitrophenol	40.000	41.045	-2.6	100	0.00
55		Dibenzofuran	40.000	40.286	-0.7	97	0.00
56	P	4-Nitrophenol	40.000	37.169	7.1	89	0.02
57		2,4-Dinitrotoluene	40.000	42.782	-7.0	101	0.00
58		Fluorene	40.000	41.289	-3.2	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.398	6.5	90	0.00
60		Diethylphthalate	40.000	43.502	-8.8	106	0.00
61		4-Chlorophenyl-phenylether	40.000	41.818	-4.5	102	-0.01
62		4-Nitroaniline	40.000	39.626	0.9	96	0.00
63		Azobenzene	40.000	41.572	-3.9	100	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	41.252	-3.1	101	0.01
66	c	n-Nitrosodiphenylamine	40.000	41.060	-2.7	102	0.00
67		4-Bromophenyl-phenylether	40.000	40.814	-2.0	102	-0.01
68		Hexachlorobenzene	40.000	40.484	-1.2	103	0.00
69		Atrazine	40.000	35.061	12.3	87	0.00
70	C	Pentachlorophenol	40.000	34.470	13.8	85	0.00
71		Phenanthrene	40.000	39.975	0.1	101	0.00
72		Anthracene	40.000	40.188	-0.5	102	0.00
73		Carbazole	40.000	39.741	0.6	100	0.00
74		Di-n-butylphthalate	40.000	45.187	-13.0	112	-0.01
75	C	Fluoranthene	40.000	38.161	4.6	95	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	83	0.00
77		Benzidine	40.000	39.625	0.9	74	0.00
78		Pyrene	40.000	41.683	-4.2	94	0.00
79	S	Terphenyl-d14	80.000	85.104	-6.4	96	0.00
80		Butylbenzylphthalate	40.000	43.783	-9.5	88	-0.01
81		Benzo(a)anthracene	40.000	39.071	2.3	80	0.00
82		3,3'-Dichlorobenzidine	40.000	42.071	-5.2	86	0.00
83		Chrysene	40.000	40.614	-1.5	86	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.484	3.8	75	-0.02
85	c	Di-n-octyl phthalate	40.000	36.513	8.7	71	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	75	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.967	7.6	72	0.01
88		Benzo(b)fluoranthene	40.000	40.776	-1.9	78	0.00
89		Benzo(k)fluoranthene	40.000	39.065	2.3	79	0.00
90	C	Benzo(a)pyrene	40.000	40.324	-0.8	78	0.00
91		Dibenzo(a,h)anthracene	40.000	37.033	7.4	73	0.00
92		Benzo(g,h,i)perylene	40.000	35.751	10.6	69	0.02

Sample Results: **BF139049.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139049.D
Acq On : 16 Aug 2024 10:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 16 11:05:05 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 17:50:01 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

QC SAMPLE DATA

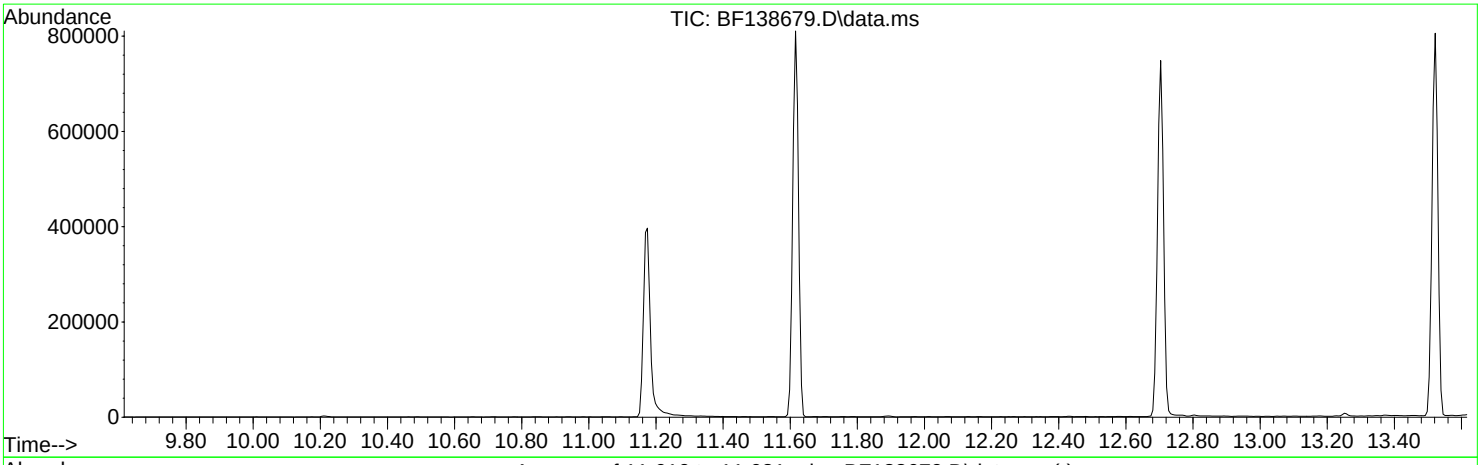
Sample Results: **BF138679.D**

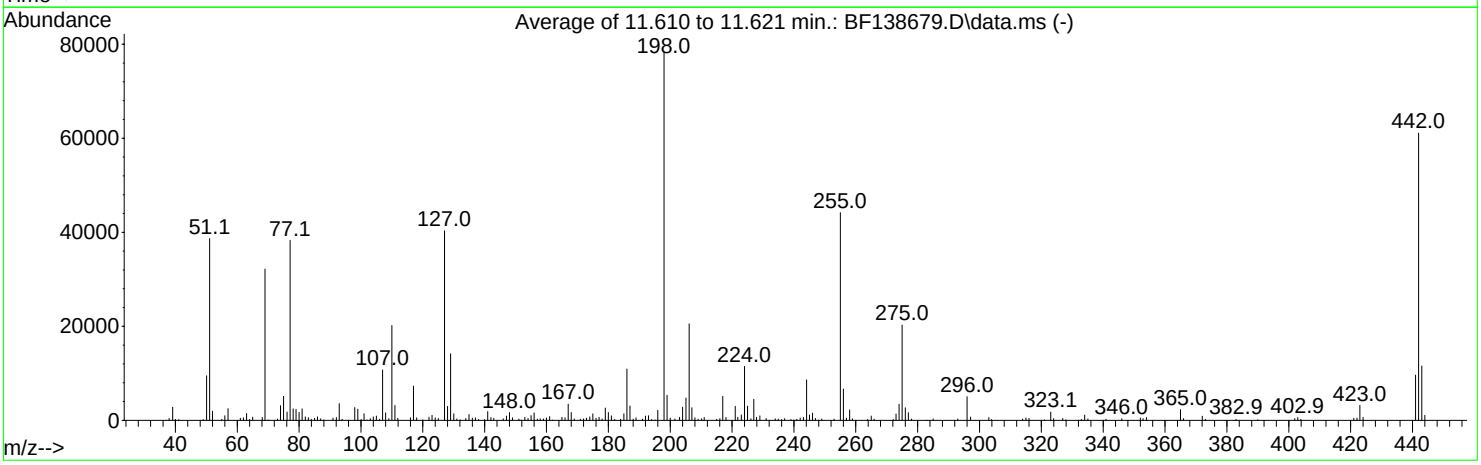
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

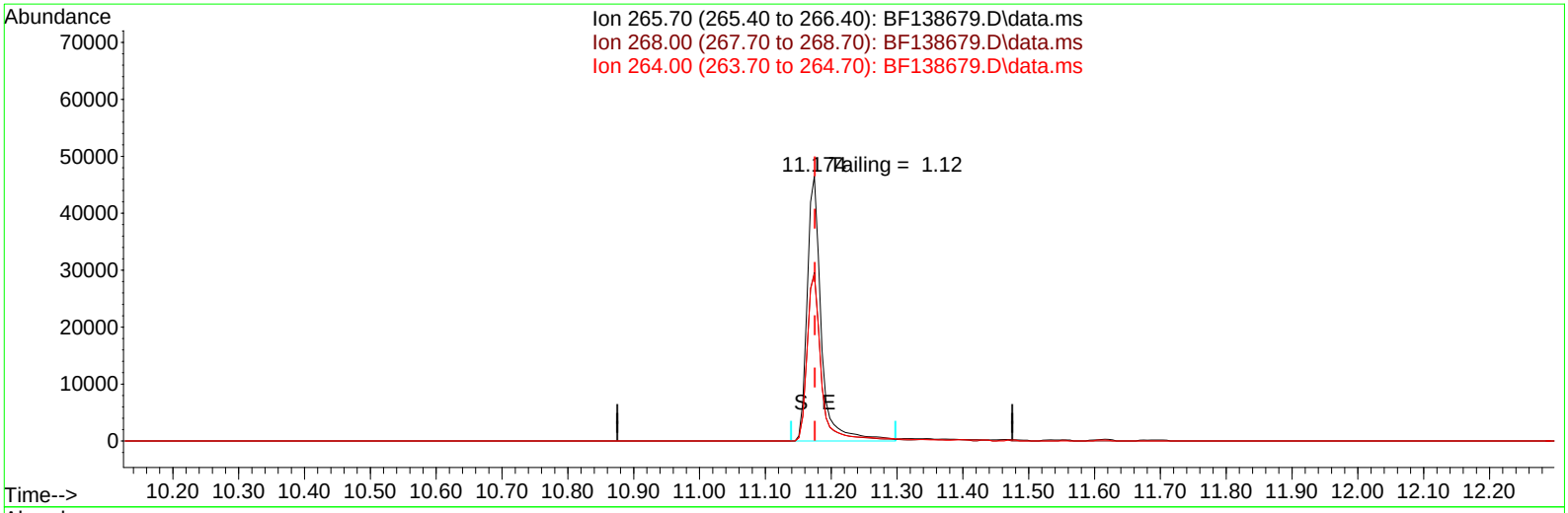
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.4	38677	PASS
68	69	0.00	2	1.9	605	PASS
69	198	0.00	100	41.1	32171	PASS
70	69	0.00	2	0.4	120	PASS
127	198	10	80	51.5	40312	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	78240	PASS
199	198	5	9	6.8	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

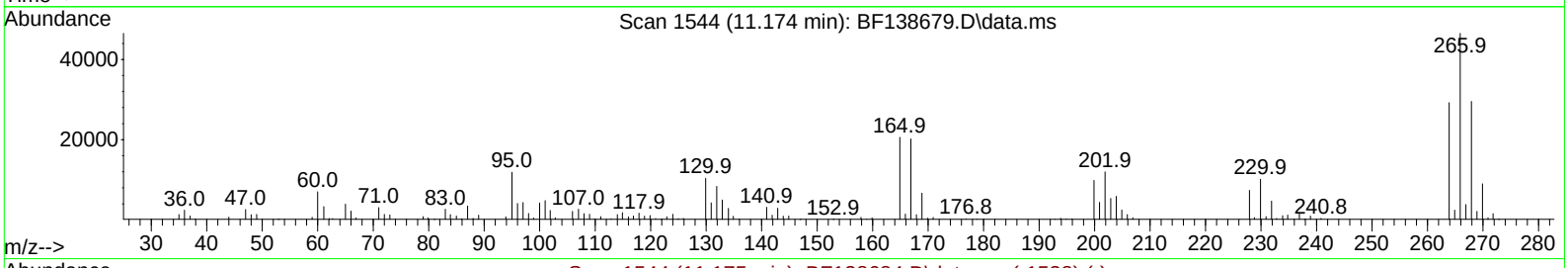
Sample Results: **BF138679.D**

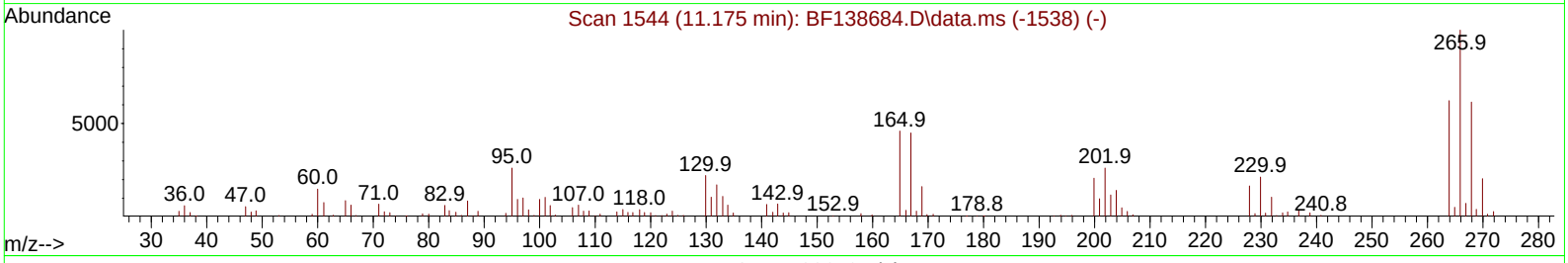
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

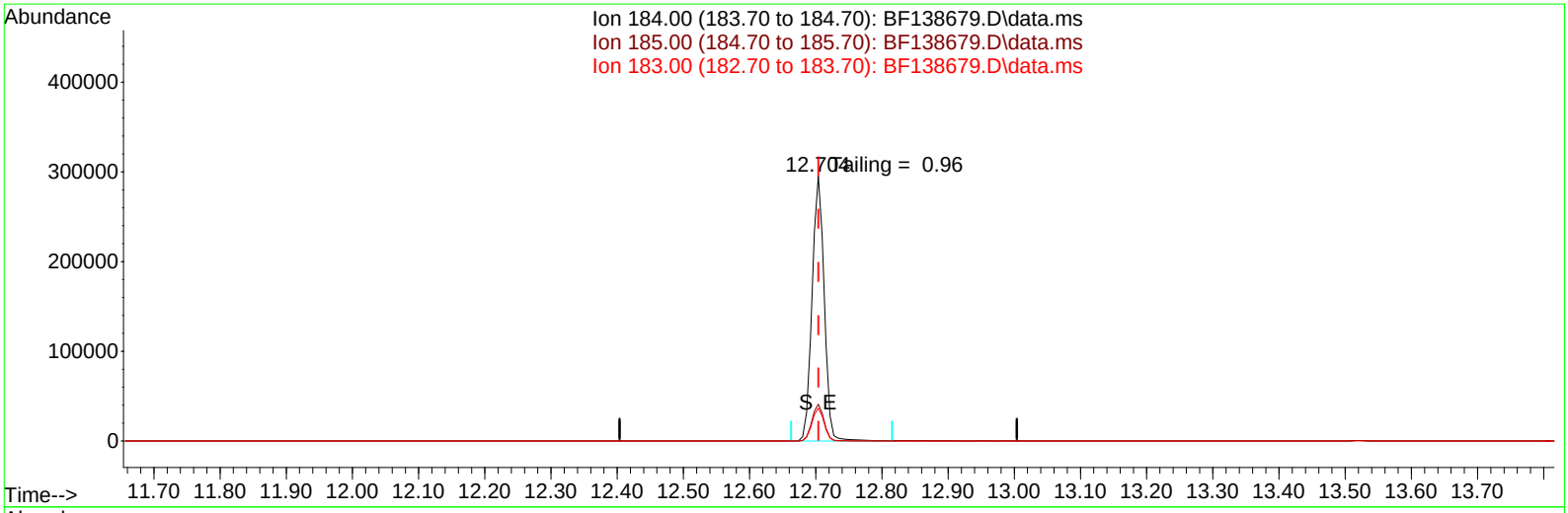
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.56
264.00	62.20	62.86
0.00	0.00	0.00

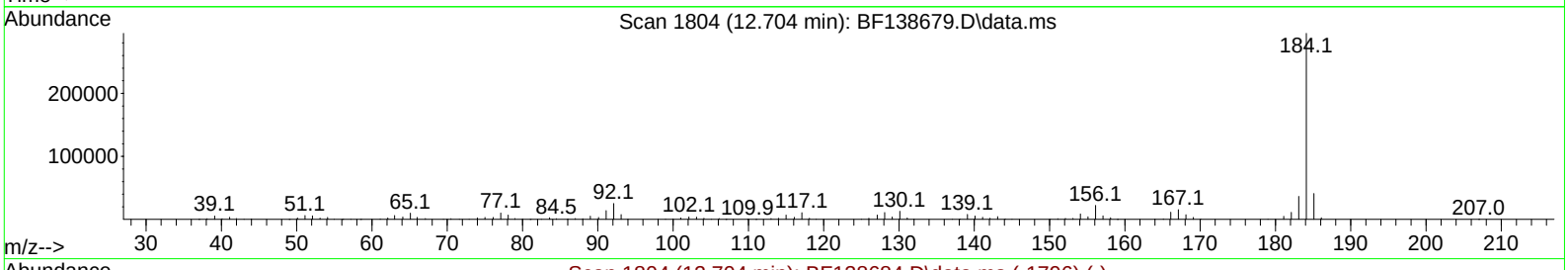
Sample Results: **BF138679.D**

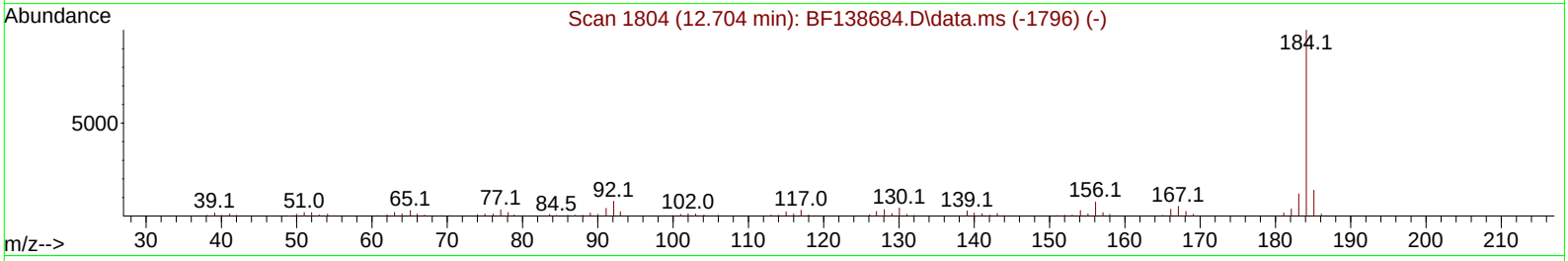
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073024\
Data File : BF138679.D
Acq On : 30 Jul 2024 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

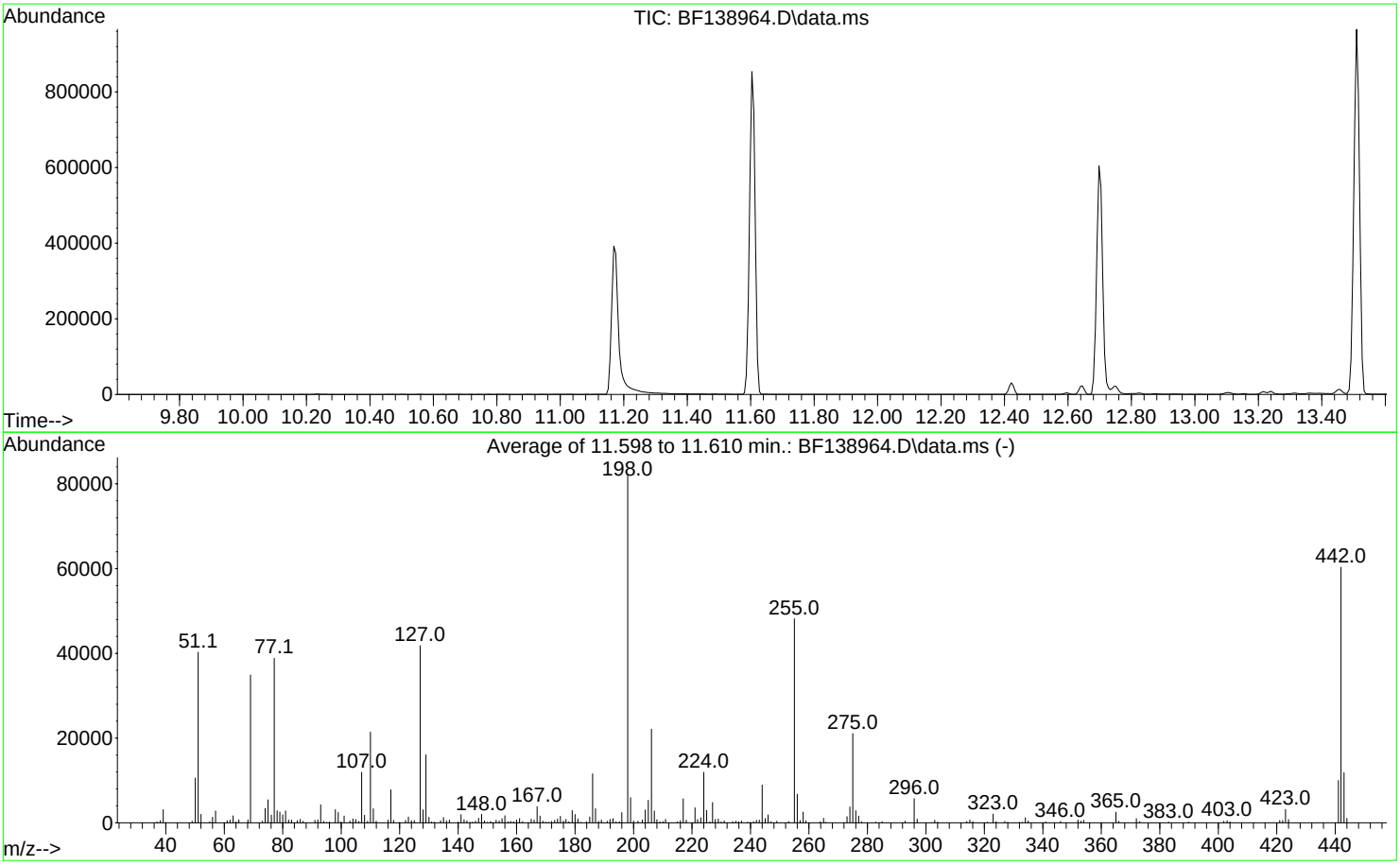
Sample Results: **BF138964.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138964.D
Acq On : 13 Aug 2024 09:38
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

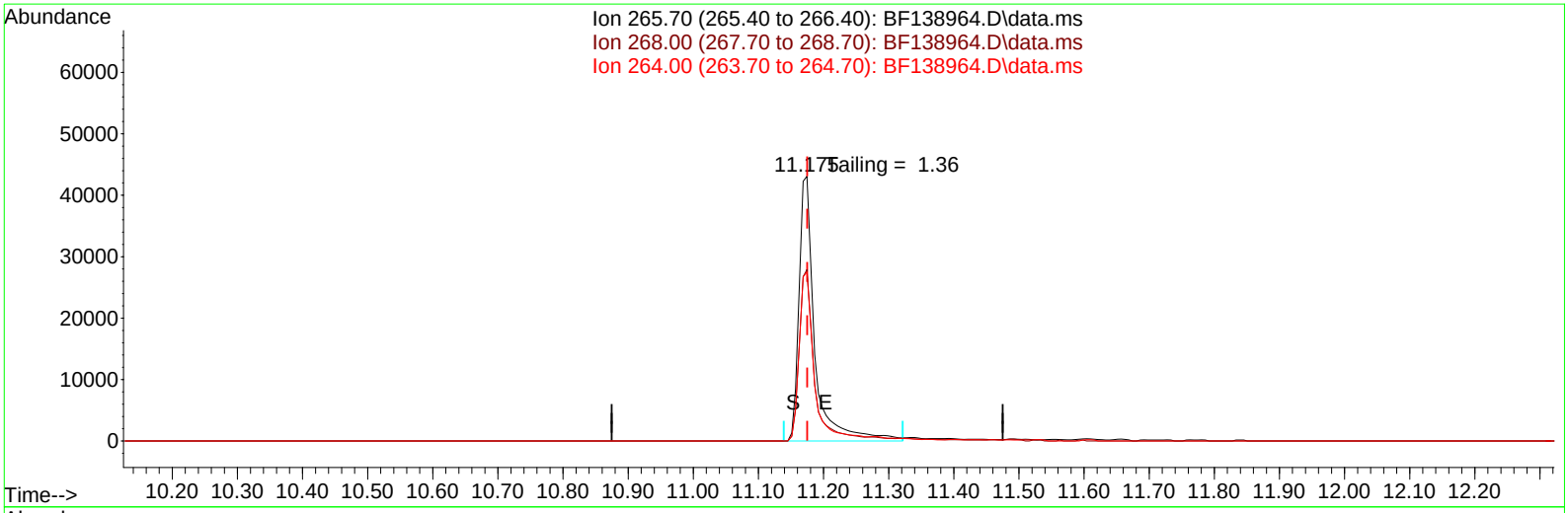
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.1	40267	PASS
68	69	0.00	2	1.9	671	PASS
69	198	0.00	100	42.5	34893	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	50.9	41821	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	82088	PASS
199	198	5	9	7.2	5919	PASS
275	198	10	60	25.7	21071	PASS
365	198	1	100	3.0	2494	PASS
441	198	0.01	100	12.2	10001	PASS
442	442	50	100	100.0	60347	PASS
443	442	15	24	19.6	11807	PASS

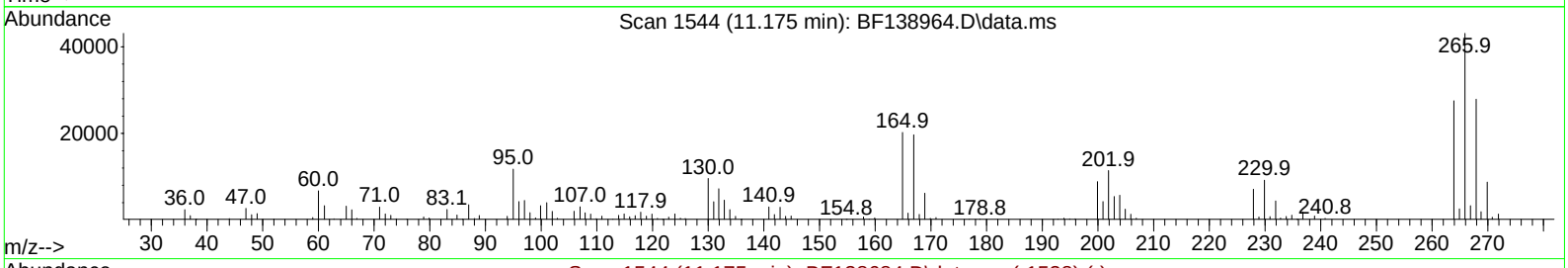
Sample Results: **BF138964.D**

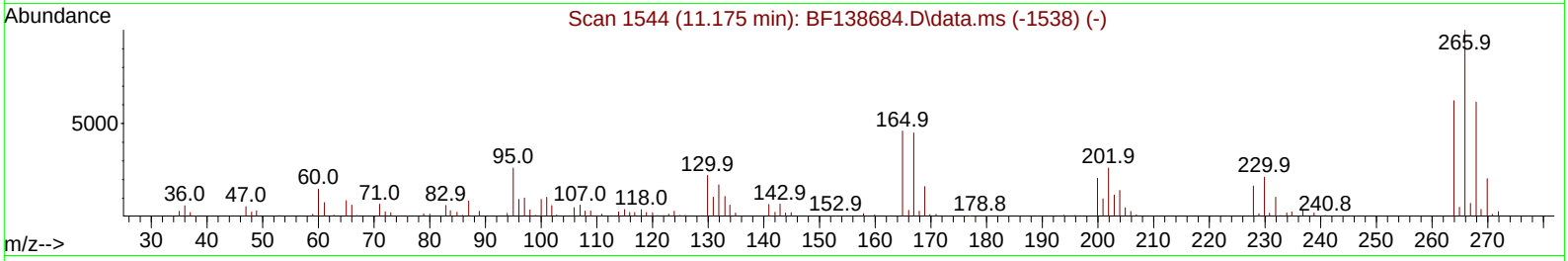
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138964.D
Acq On : 13 Aug 2024 09:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 13 11:45:30 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: BF138964.D\data.ms

(70) Pentachlorophenol (C)

11.175min (-0.000) 33750.77 ng

response 73297

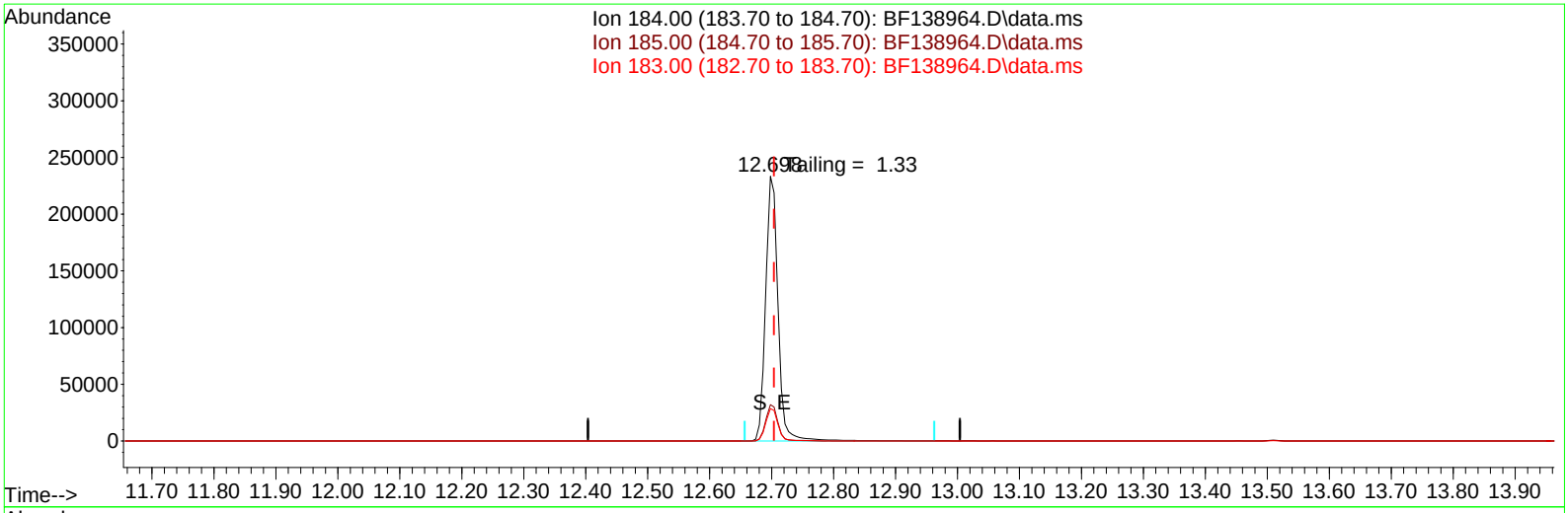
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	64.77
264.00	62.20	63.88
0.00	0.00	0.00

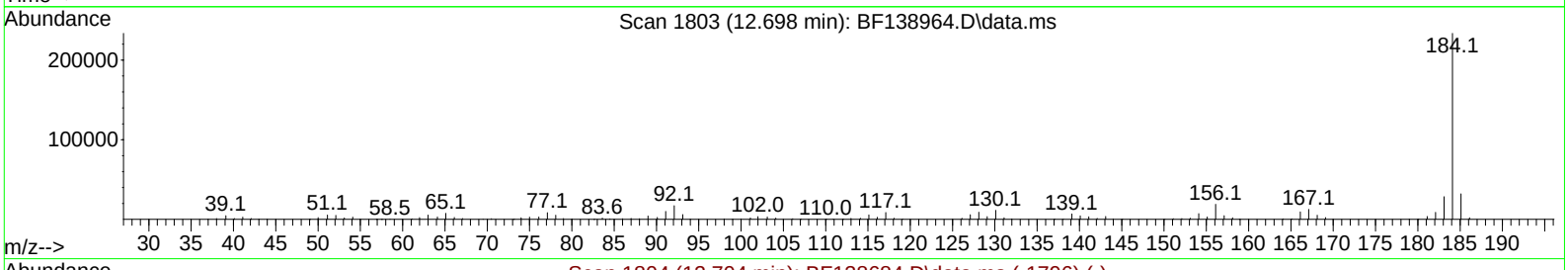
Sample Results: **BF138964.D**

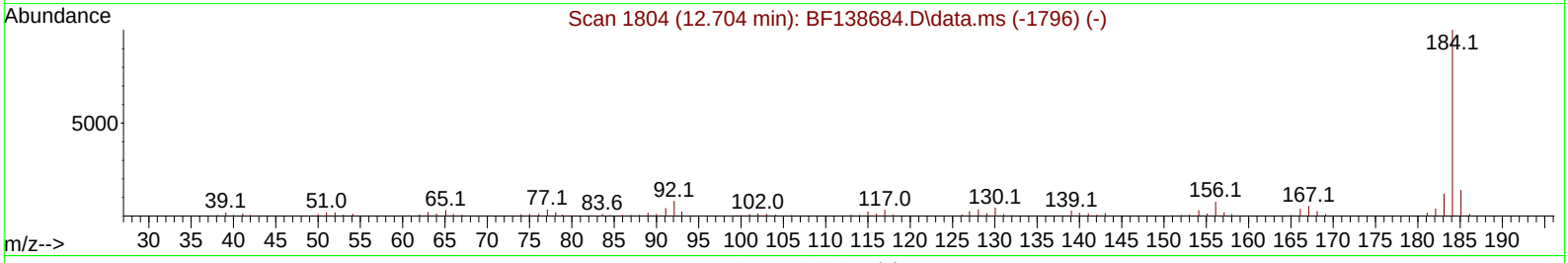
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138964.D
Acq On : 13 Aug 2024 09:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 13 11:45:30 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: BF138964.D\data.ms

(77) Benzidine

12.698min (-0.006) 0.00 ng

response 324330

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.74
183.00	12.00	12.25
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/13/2024	BNA_F	BF138964.D
Compound Name	**Response**	**Retention Time**
DDT	230604	13.51
DDD	4887	13.216
DDE	722	12.874
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5609	236213	2.37

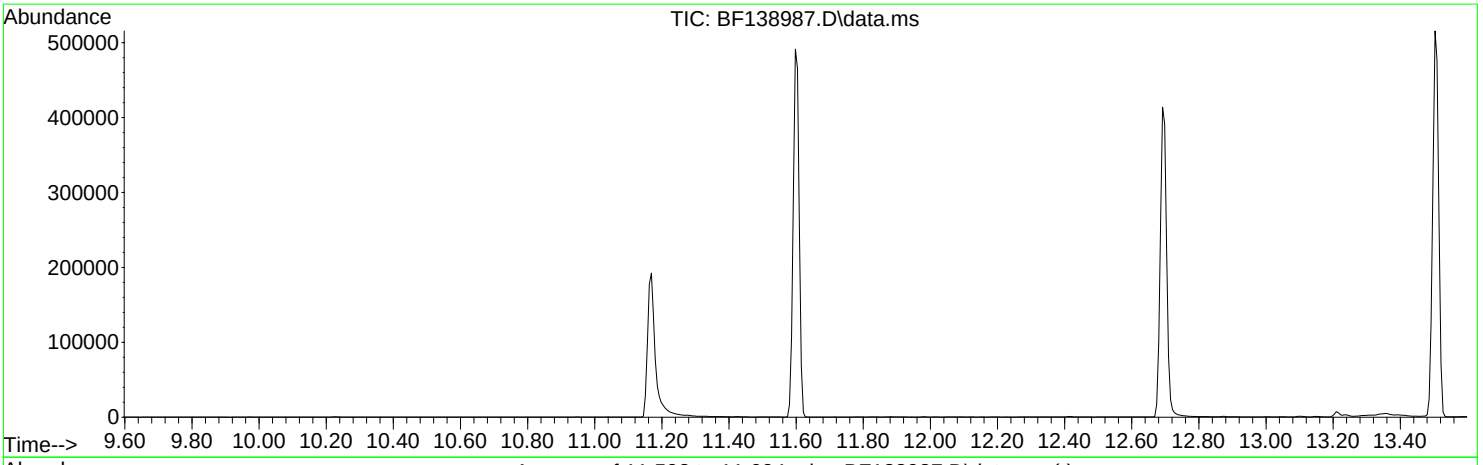
Sample Results: **BF138987.D**

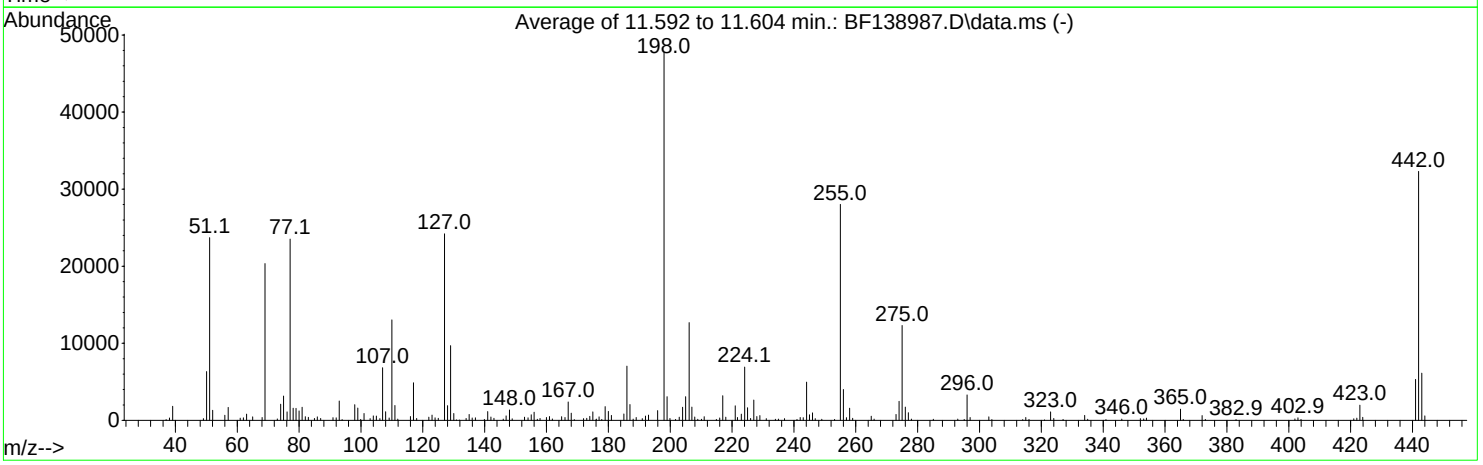
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138987.D
Acq On : 14 Aug 2024 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

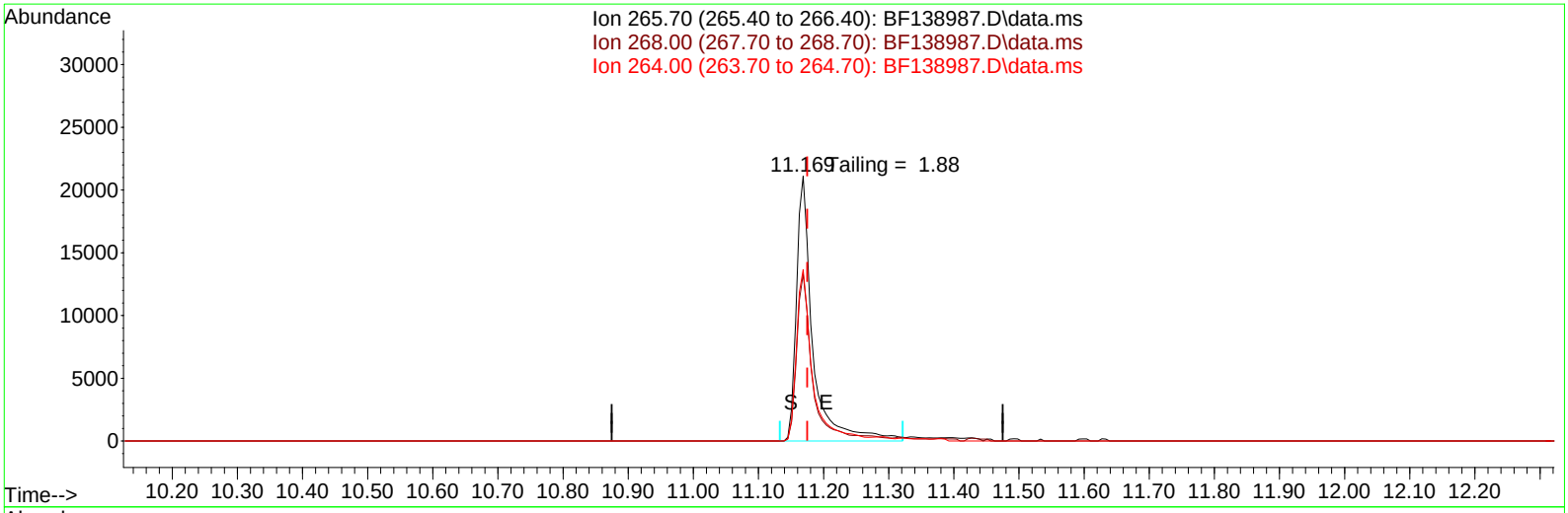
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.7	23707	PASS
68	69	0.00	2	1.8	376	PASS
69	198	0.00	100	42.6	20352	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	50.7	24208	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	47733	PASS
199	198	5	9	6.4	3077	PASS
275	198	10	60	25.8	12322	PASS
365	198	1	100	3.0	1447	PASS
441	198	0.01	100	11.1	5317	PASS
442	442	50	100	100.0	32304	PASS
443	442	15	24	18.9	6121	PASS

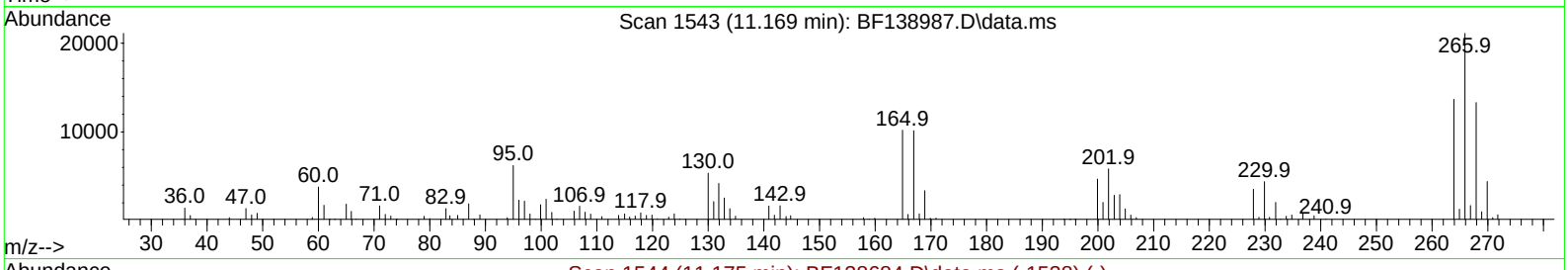
Sample Results: **BF138987.D**

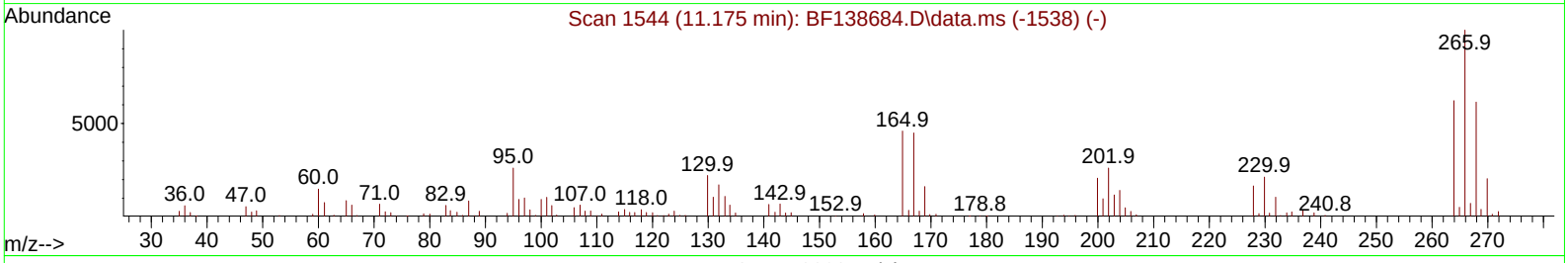
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138987.D
Acq On : 14 Aug 2024 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 14 12:15:04 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: BF138987.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 42832.92 ng

response 37122

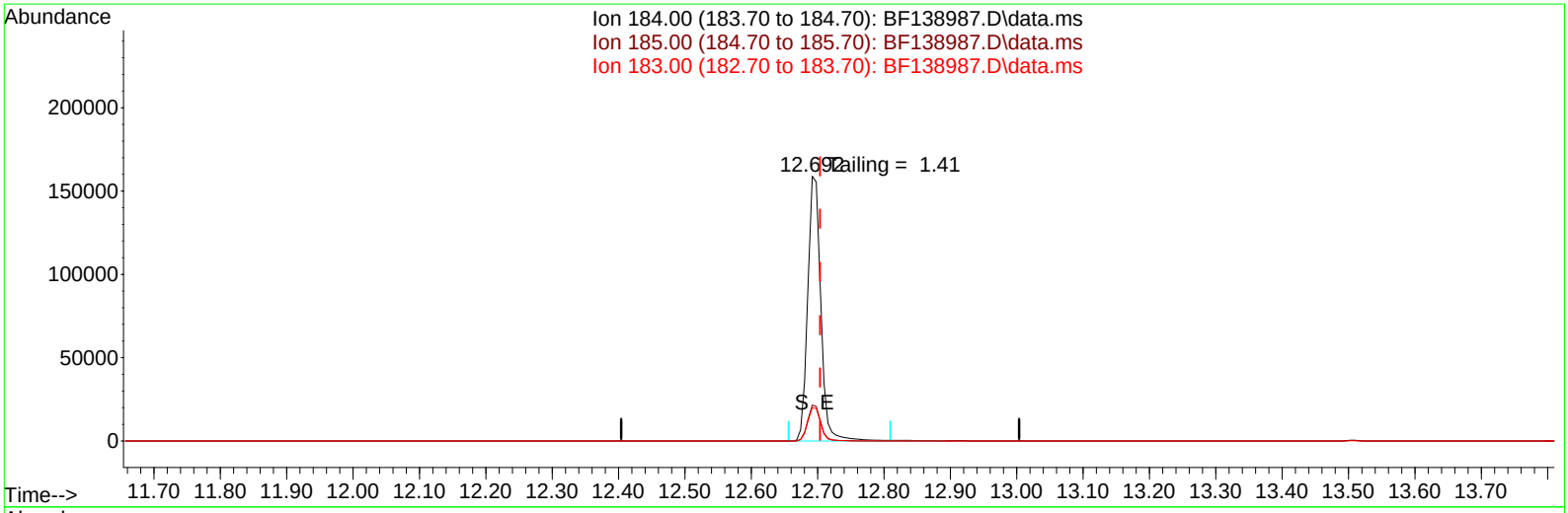
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	63.09
264.00	62.20	64.73
0.00	0.00	0.00

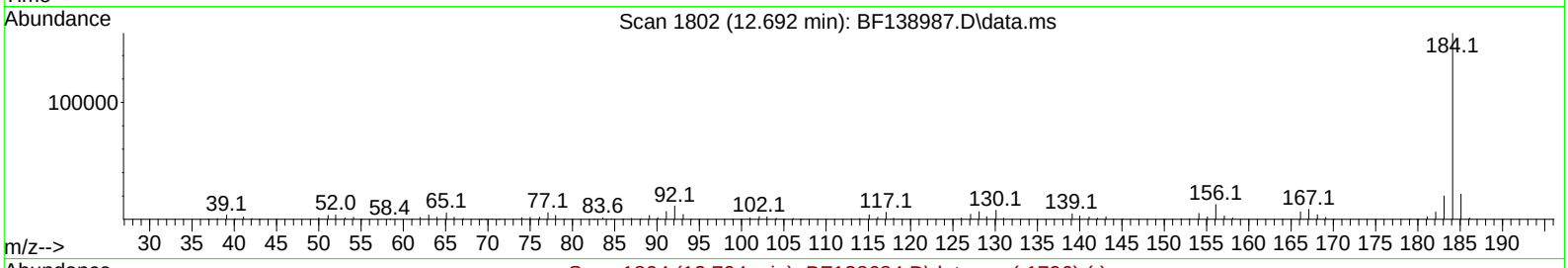
Sample Results: **BF138987.D**

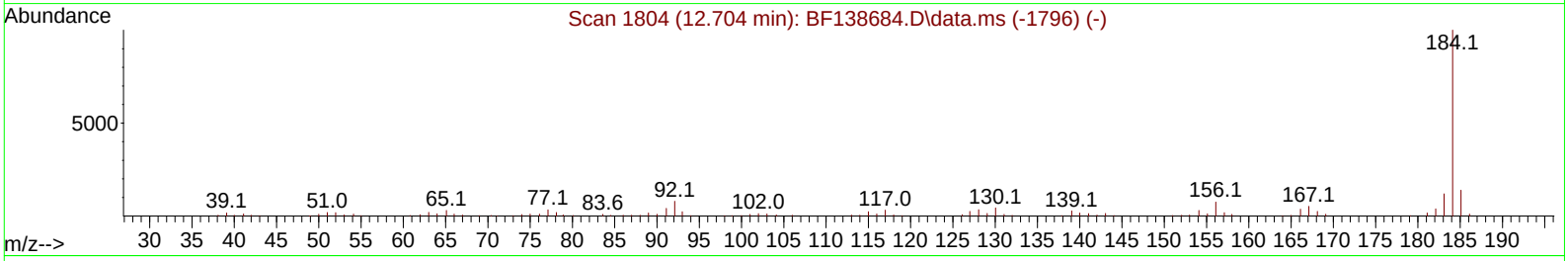
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138987.D
Acq On : 14 Aug 2024 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 14 12:15:04 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: BF138987.D\data.ms

(77) Benzidine

12.692min (-0.012) 0.00 ng

response 218193

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.59
183.00	12.00	12.68
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/14/2024	BNA_F	BF138987.D
Compound Name	**Response**	**Retention Time**
DDT	122337	13.504
DDD	3496	13.21
DDE	243	12.874
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3739	126076	2.97

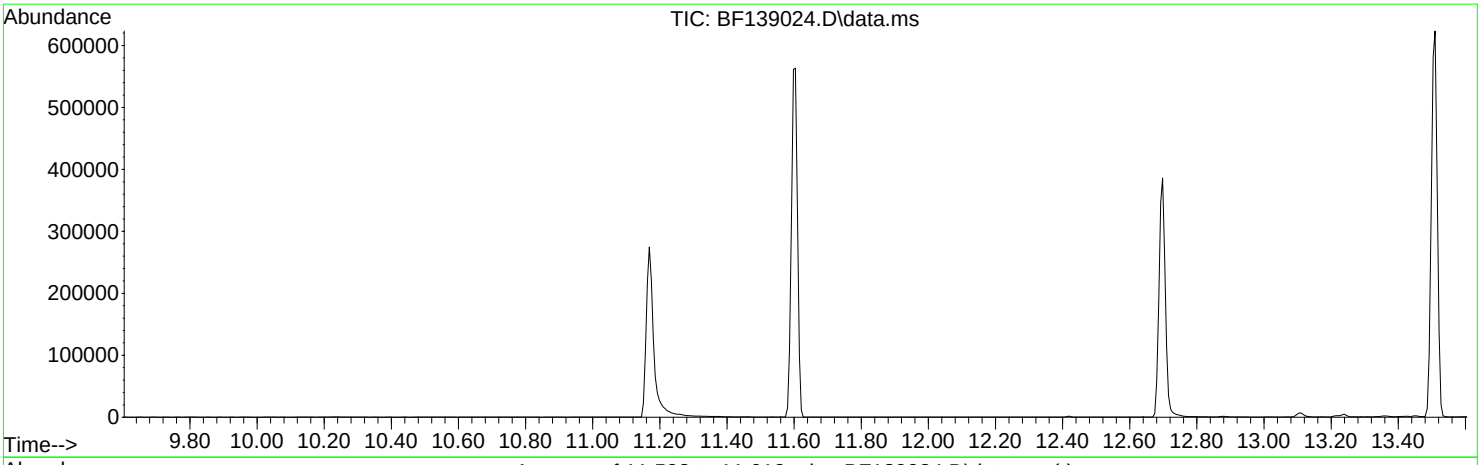
Sample Results: **BF139024.D**

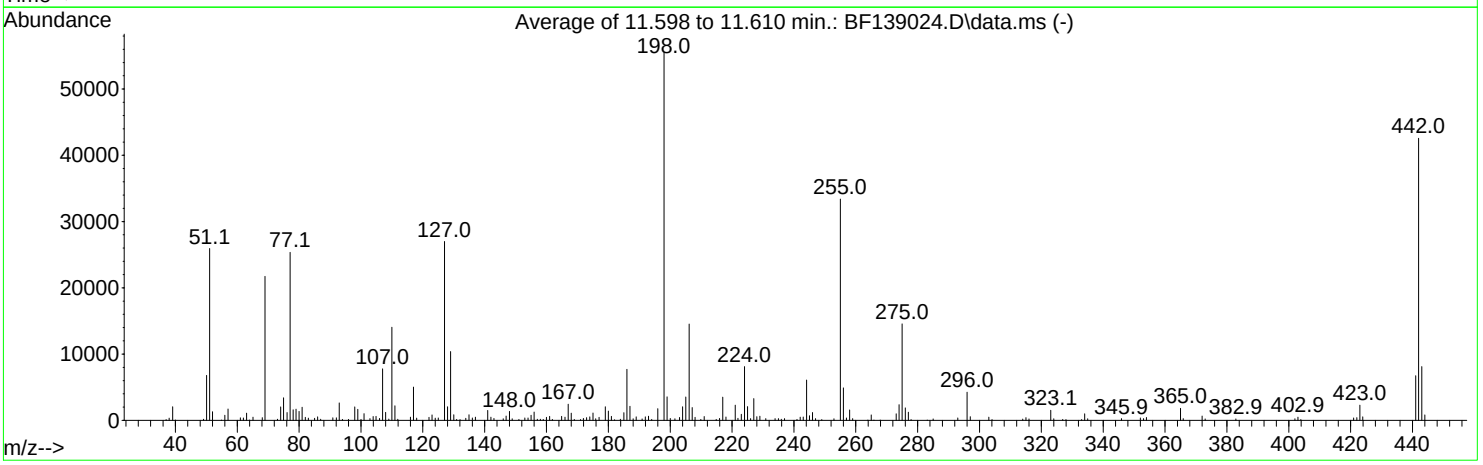
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139024.D
Acq On : 15 Aug 2024 16:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

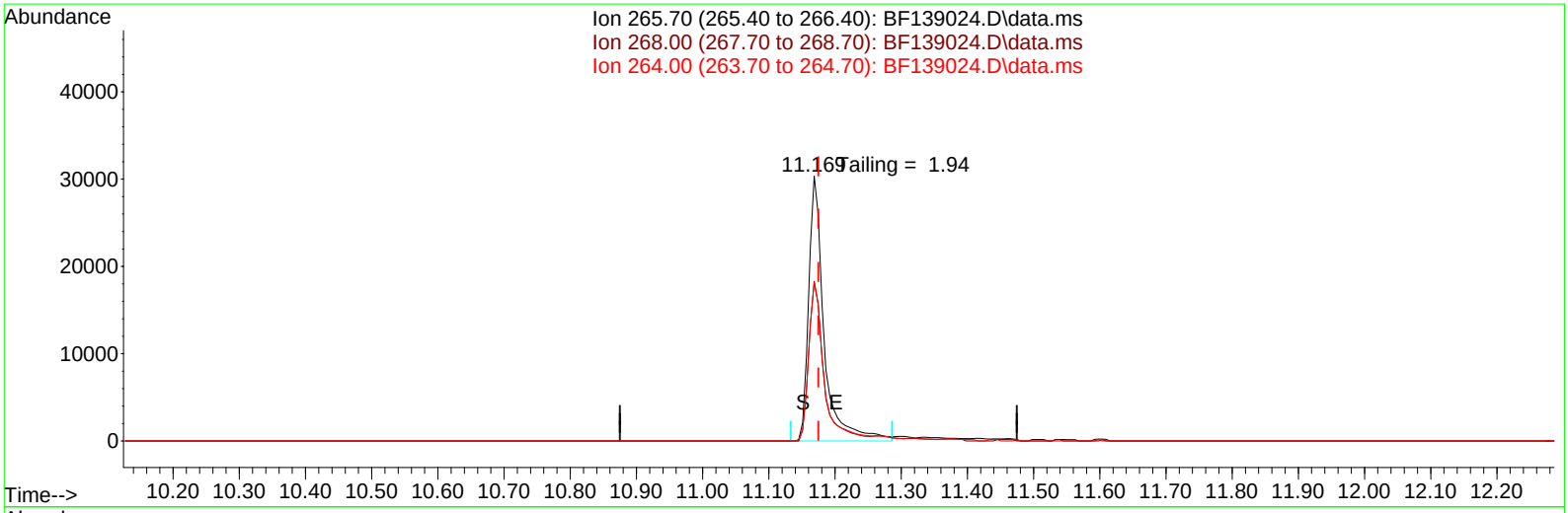
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	25940	PASS
68	69	0.00	2	1.9	410	PASS
69	198	0.00	100	39.1	21727	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	48.6	27000	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	55512	PASS
199	198	5	9	6.4	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

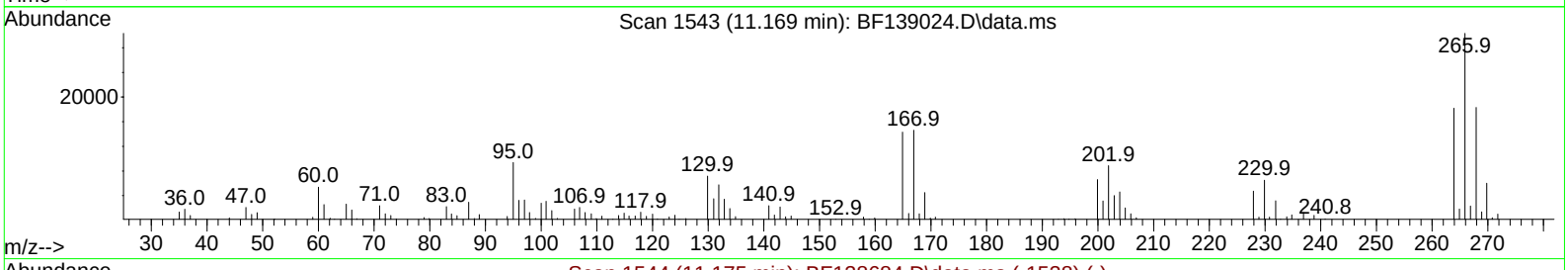
Sample Results: **BF139024.D**

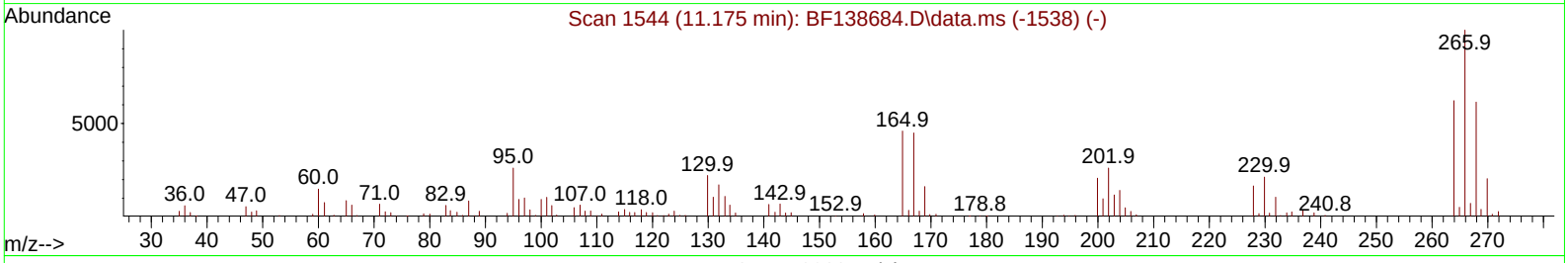
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139024.D
Acq On : 15 Aug 2024 16:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

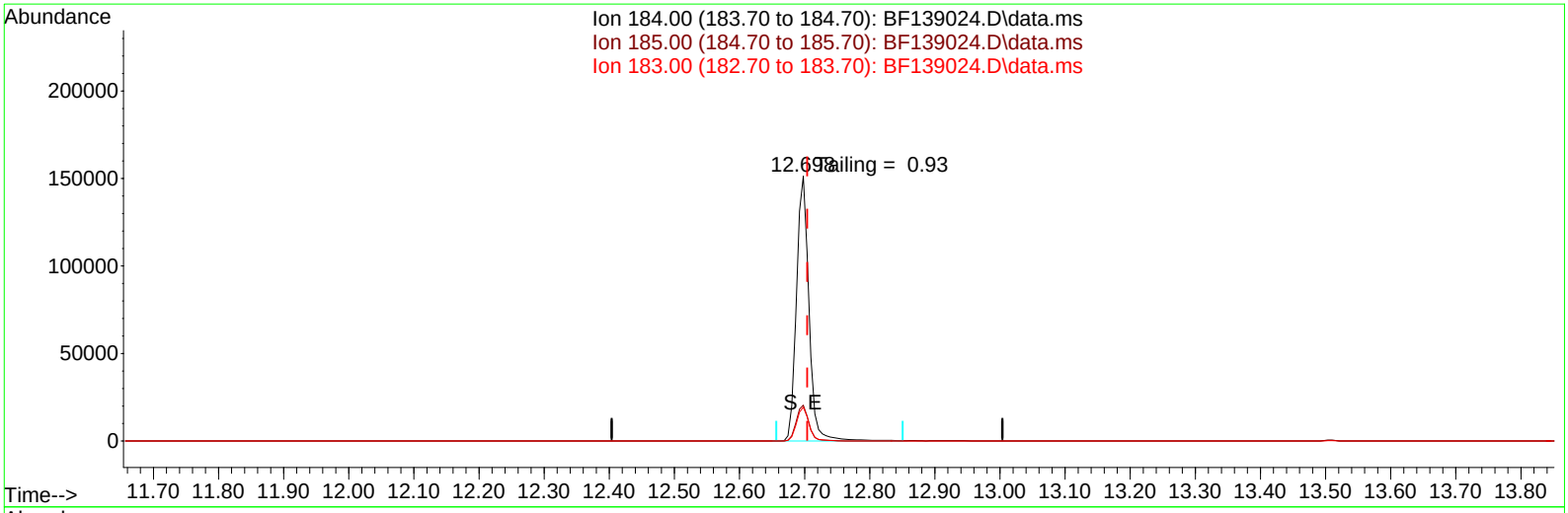
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	60.36
264.00	62.20	59.92
0.00	0.00	0.00

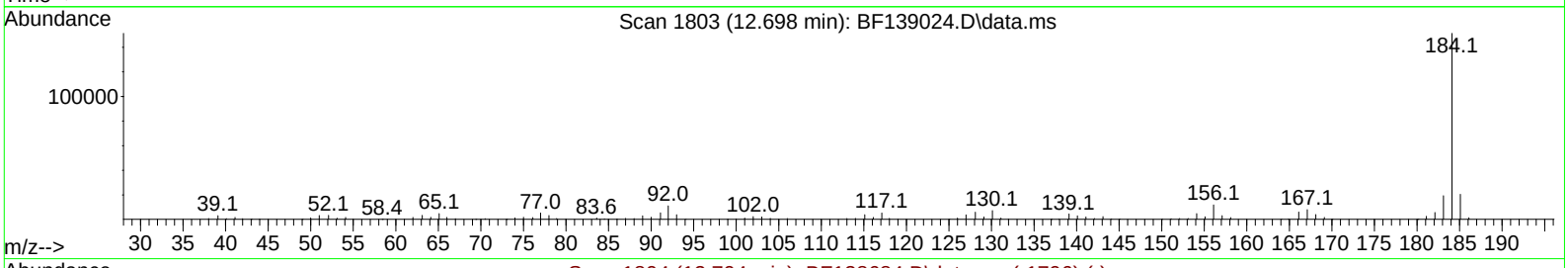
Sample Results: **BF139024.D**

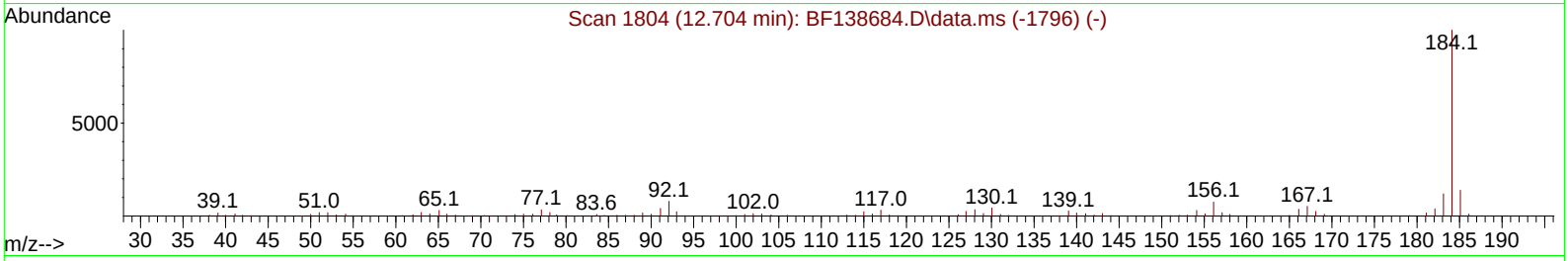
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139024.D
Acq On : 15 Aug 2024 16:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

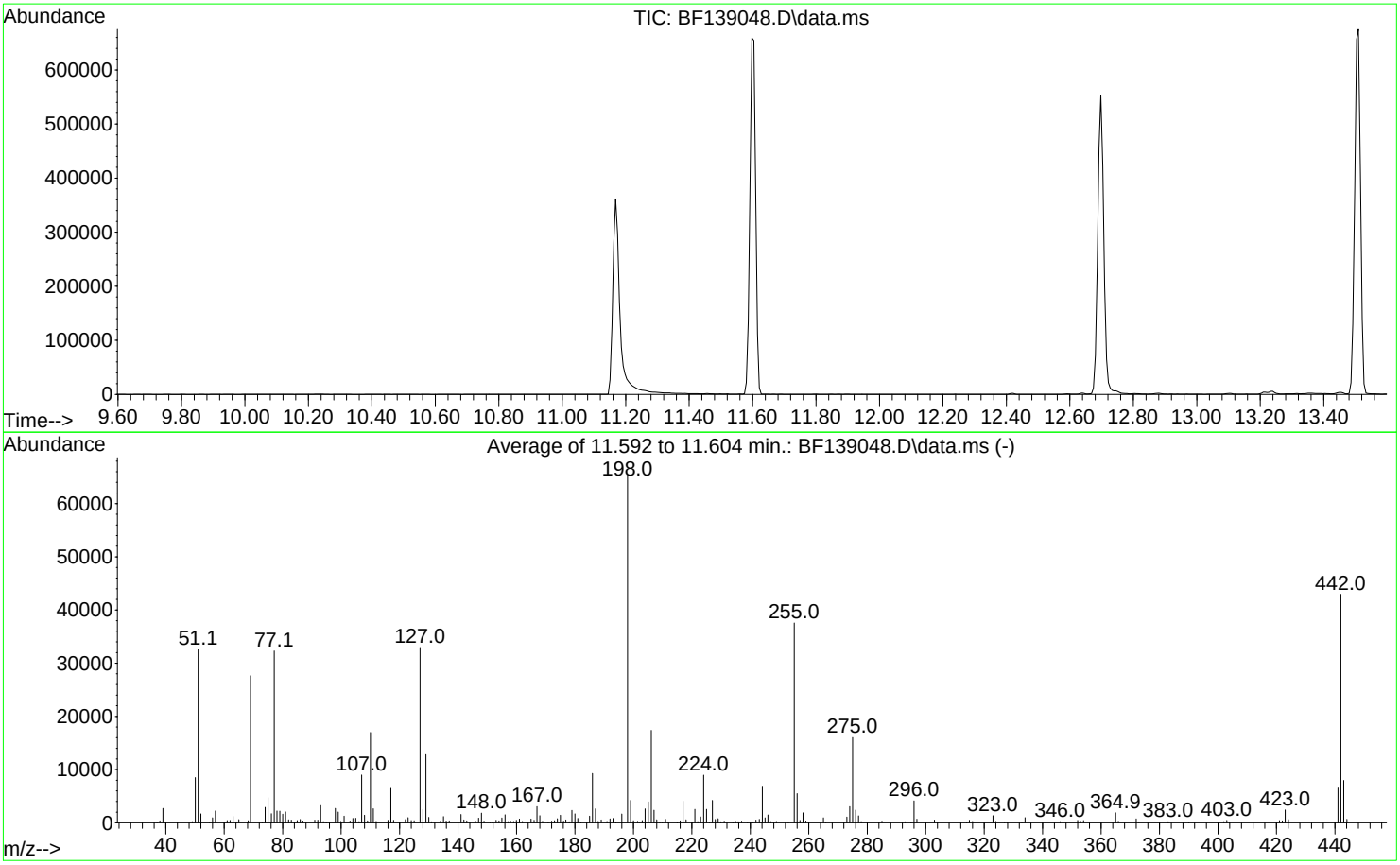
Sample Results: **BF139048.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139048.D
Acq On : 16 Aug 2024 09:44
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

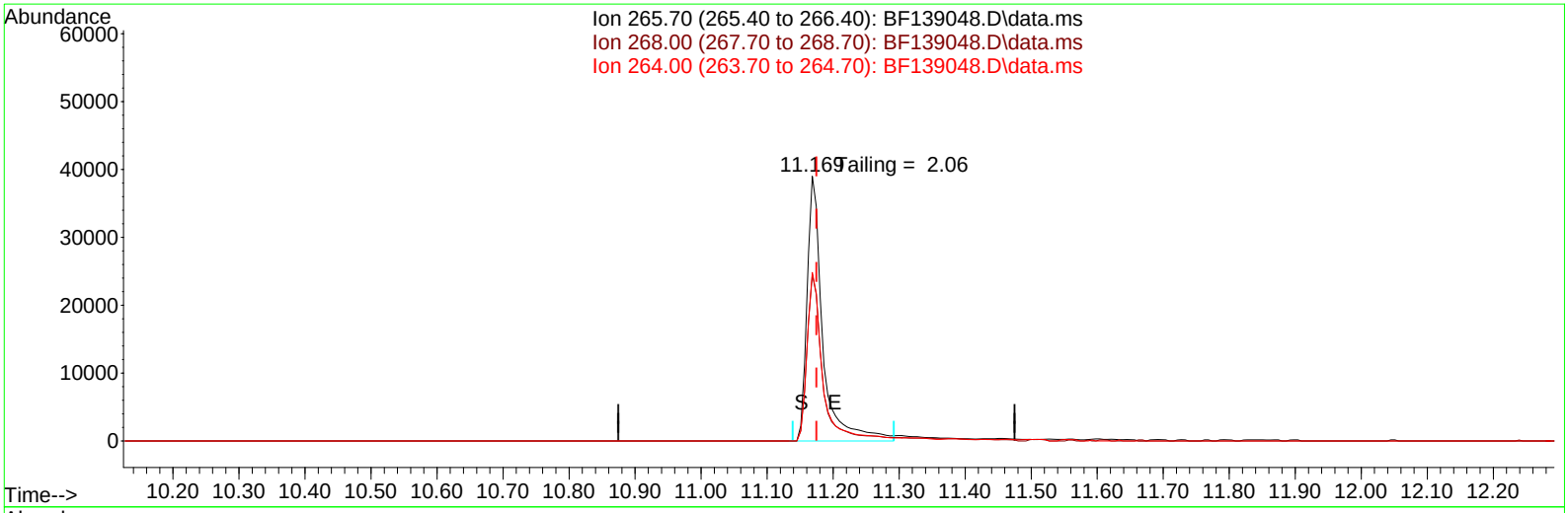
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	49.9	32595	PASS
68	69	0.00	2	1.4	400	PASS
69	198	0.00	100	42.3	27629	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	50.4	32957	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	65371	PASS
199	198	5	9	6.5	4223	PASS
275	198	10	60	24.6	16050	PASS
365	198	1	100	2.9	1867	PASS
441	198	0.01	100	10.0	6550	PASS
442	442	50	100	100.0	42960	PASS
443	442	15	24	18.5	7962	PASS

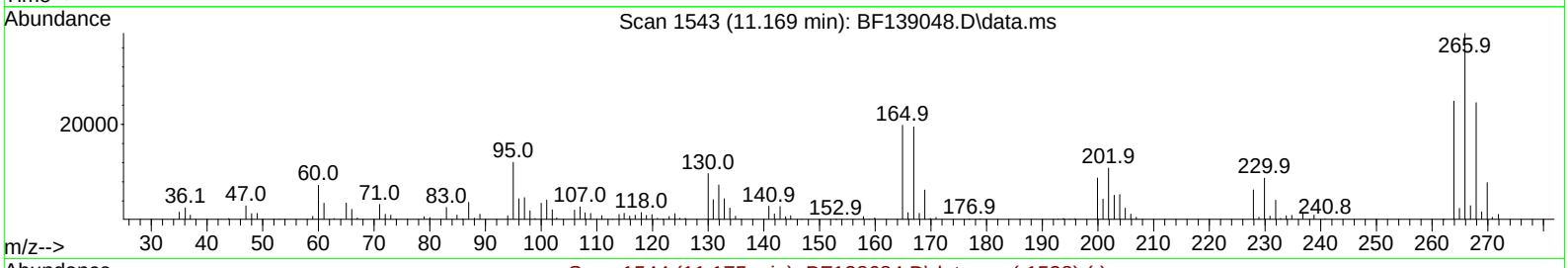
Sample Results: **BF139048.D**

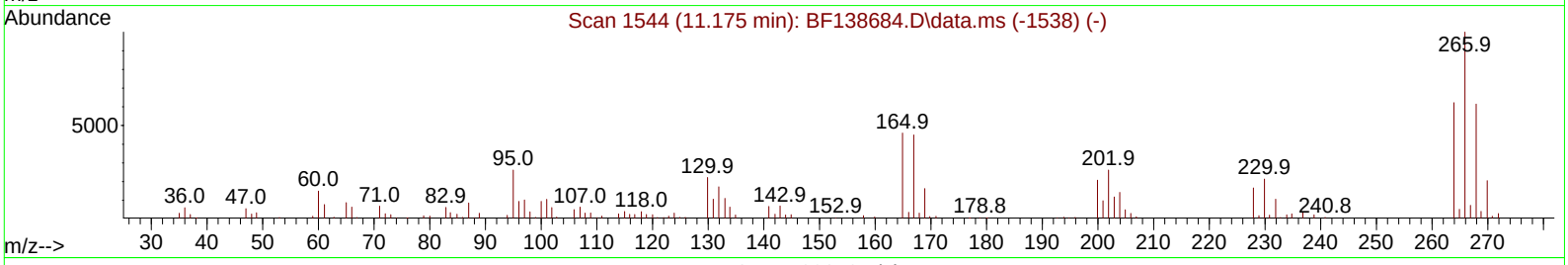
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139048.D
Acq On : 16 Aug 2024 09:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 16 12:21:45 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 17:50:01 2024
Response via : Initial Calibration







TIC: BF139048.D\data.ms

(70) Pentachlorophenol (C)

11.169min (-0.006) 38515.03 ng m

response 65013

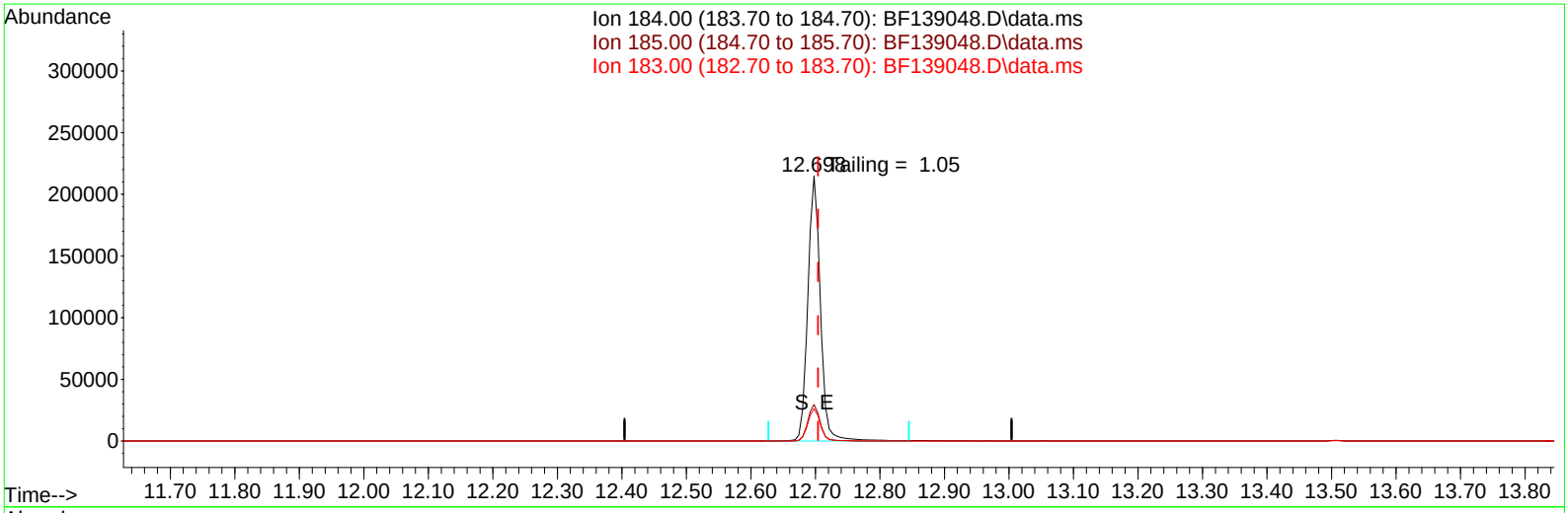
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.50	62.90
264.00	62.20	63.68
0.00	0.00	0.00

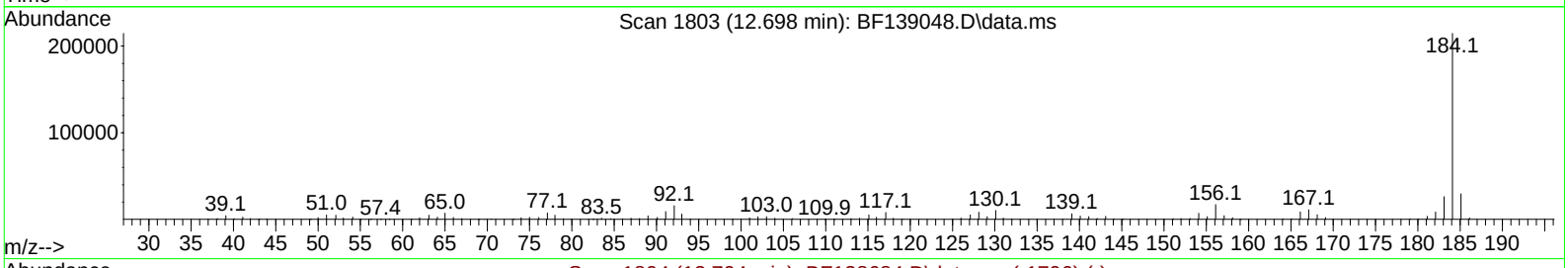
Sample Results: **BF139048.D**

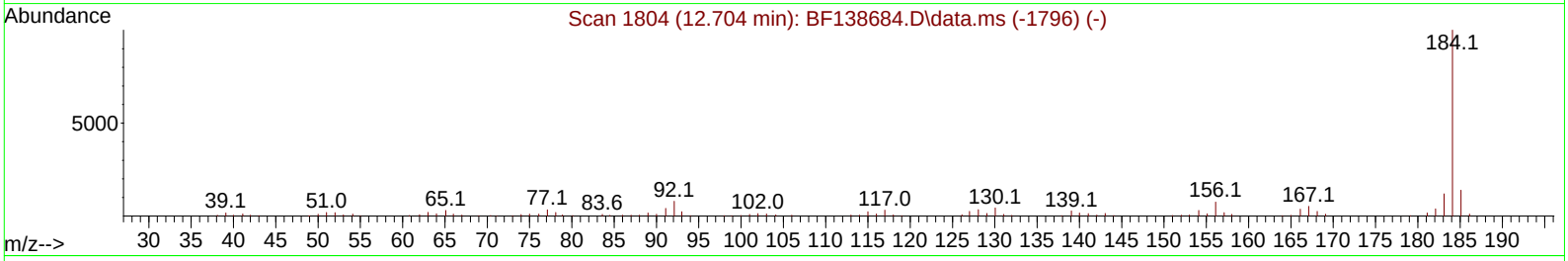
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139048.D
Acq On : 16 Aug 2024 09:44
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 16 12:21:45 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 17:50:01 2024
Response via : Initial Calibration







TIC: BF139048.D\data.ms

(77) Benzidine

12.698min (-0.006) 0.00 ng

response 291161

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.79
183.00	12.00	12.26
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/16/2024	BNA_F	BF139048.D
Compound Name	**Response**	**Retention Time**
DDT	163291	13.51
DDD	3632	13.239
DDE	824	12.88
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4456	167747	2.66

Raw Data: **BF139050.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:	PB162520BL	SDG No.:	P3475
Lab Sample ID:	PB162520BL	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
BF139050.D	1	08/06/24 08:26	08/16/24 10:43	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.7		30 (18) - 130 (107)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.0		30 (20) - 130 (109)	80%	SPK: 100
1718-51-0	Terphenyl-d14	95.8		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	46900	6.834			
1146-65-2	Naphthalene-d8	191000	8.116			
15067-26-2	Acenaphthene-d10	111000	9.869			
1517-22-2	Phenanthrene-d10	209000	11.357			
1719-03-5	Chrysene-d12	121000	13.998			
1520-96-3	Perylene-d12	88000	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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139050.D
Acq On : 16 Aug 2024 10:43
Operator : RC/JU
Sample : PB162520BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Quant Time: Aug 16 11:06:01 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

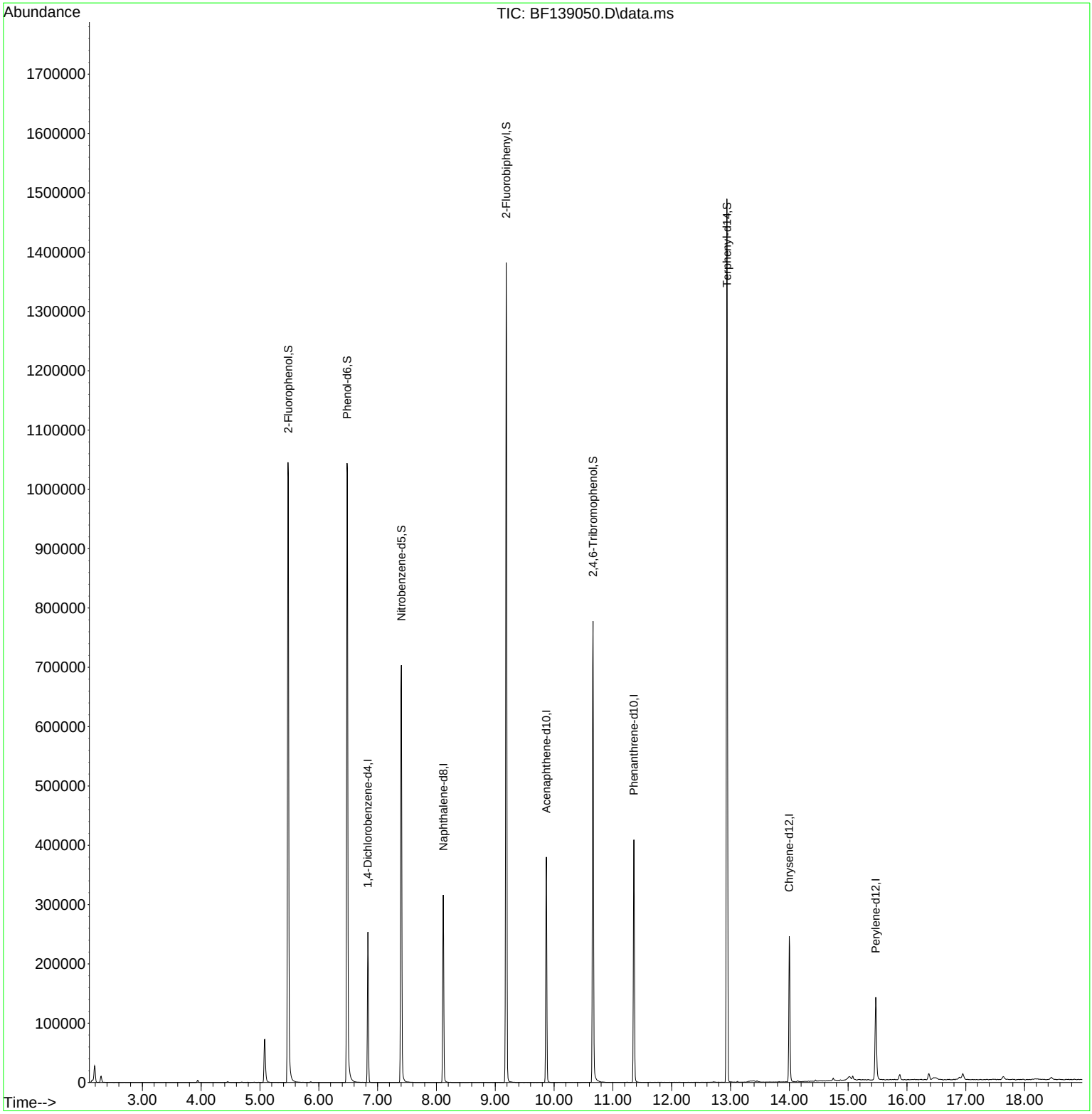
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	46870	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	190657	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	110837	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	209233	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	121458	20.000	ng	0.00
86) Perylene-d12	15.468	264	88021	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	359436	118.379	ng	0.01
7) Phenol-d6	6.481	99	469534	115.179	ng	0.00
23) Nitrobenzene-d5	7.404	82	314797	80.725	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	113513	125.028	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	590168	80.003	ng	-0.02
79) Terphenyl-d14	12.939	244	694879	95.787	ng	0.00
Target Compounds						Qvalue

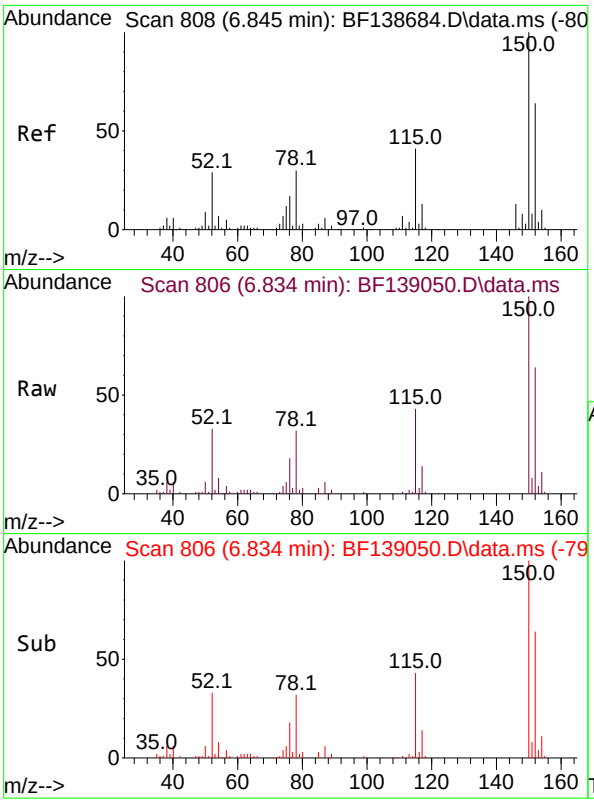
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081624\
Data File : BF139050.D
Acq On : 16 Aug 2024 10:43
Operator : RC/JU
Sample : PB162520BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Quant Time: Aug 16 11:06:01 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



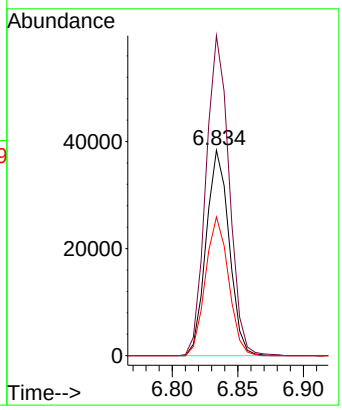


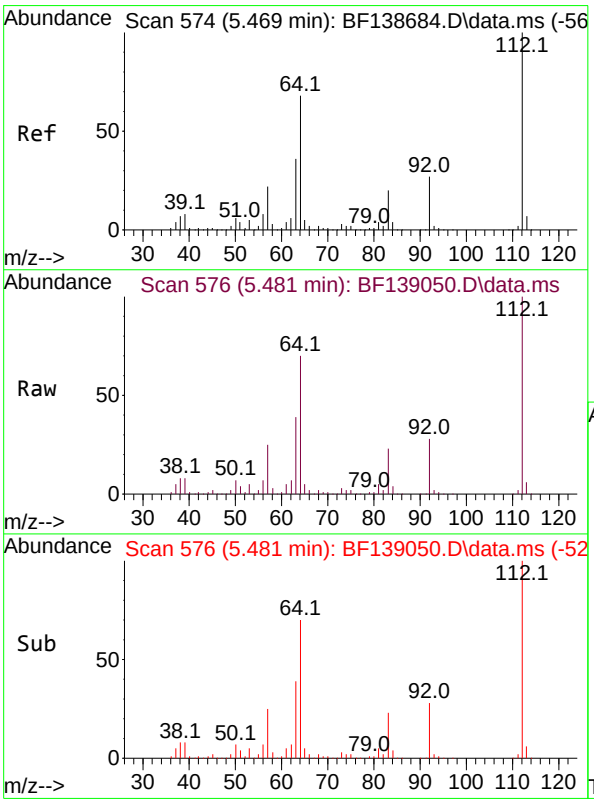
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Tgt Ion:152 Resp: 46870

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.0	189.0
115	67.5	51.7	77.5

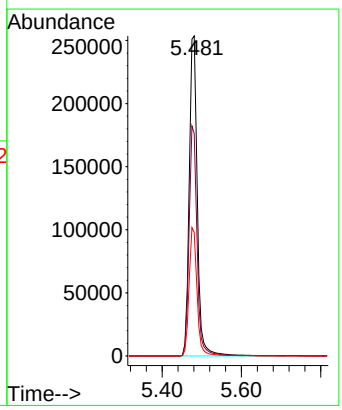


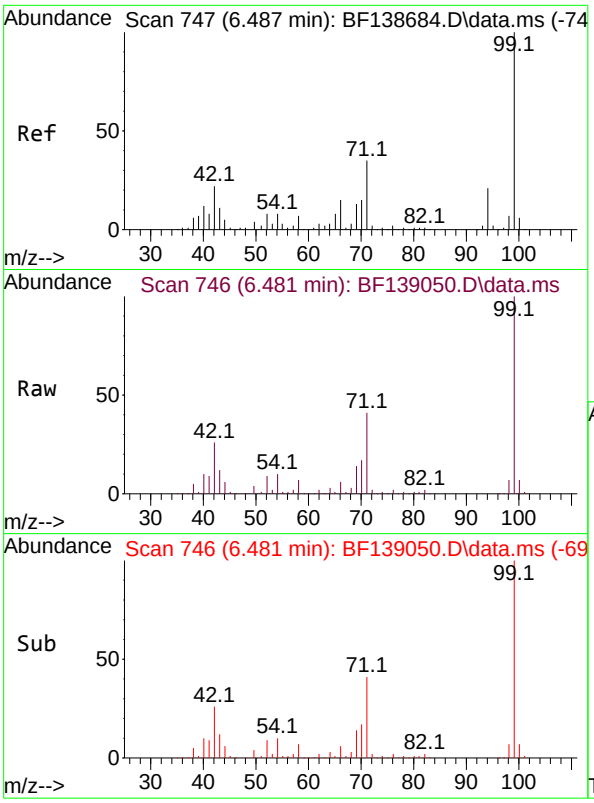


#5
2-Fluorophenol
Concen: 118.379 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Tgt Ion:112 Resp: 359436

Ion	Ratio	Lower	Upper
112	100		
64	69.5	54.2	81.4
63	38.6	28.7	43.1



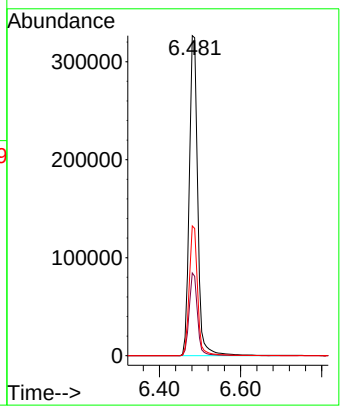


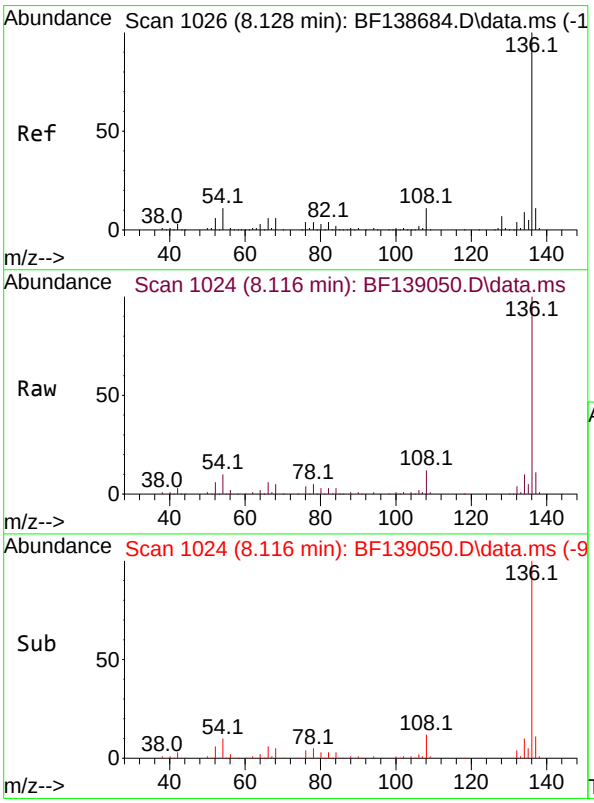
#7
Phenol-d6
Concen: 115.179 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Tgt Ion: 99 Resp: 469534

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

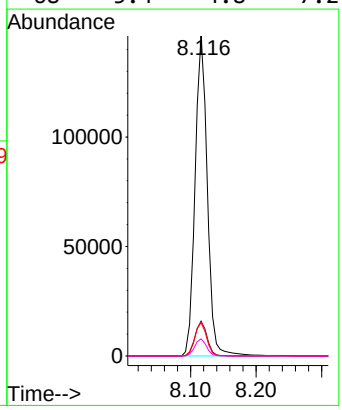


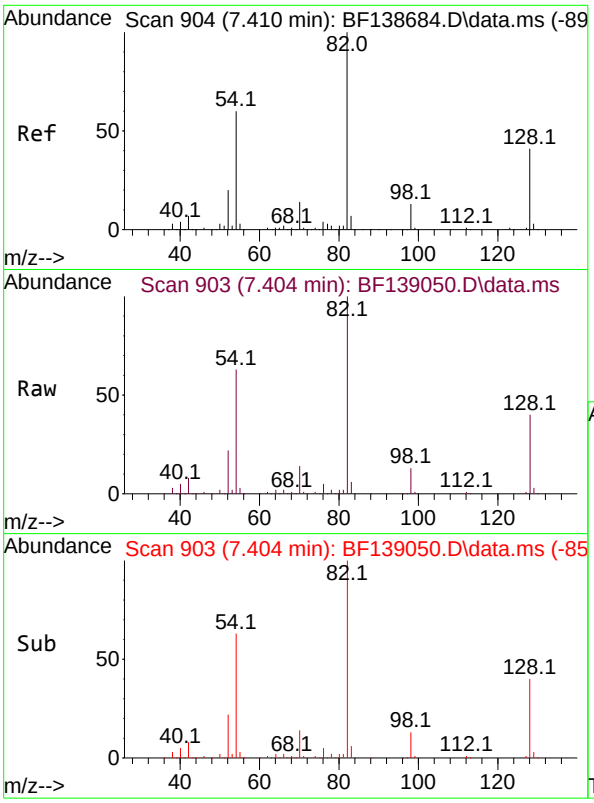


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Tgt Ion:136 Resp: 190657

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.4	8.6	12.8
68	5.4	4.8	7.2



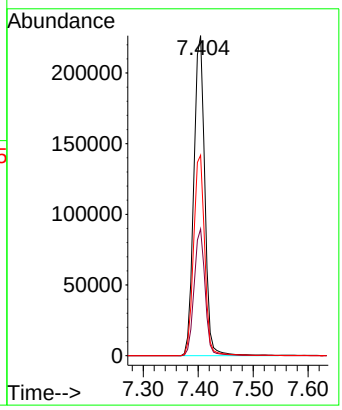


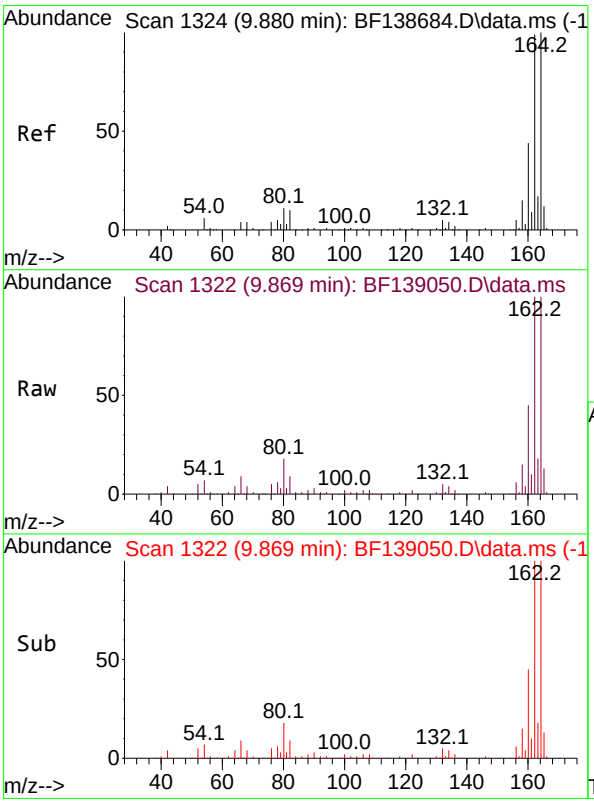
#23
Nitrobenzene-d5
Concen: 80.725 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Tgt Ion: 82 Resp: 314797

Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.8	49.2
54	62.6	48.3	72.5

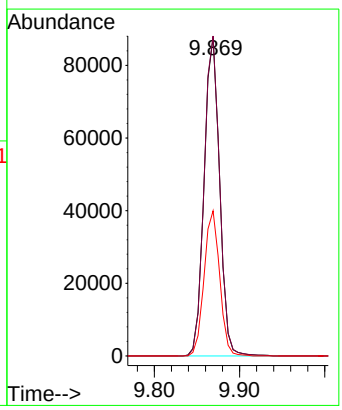


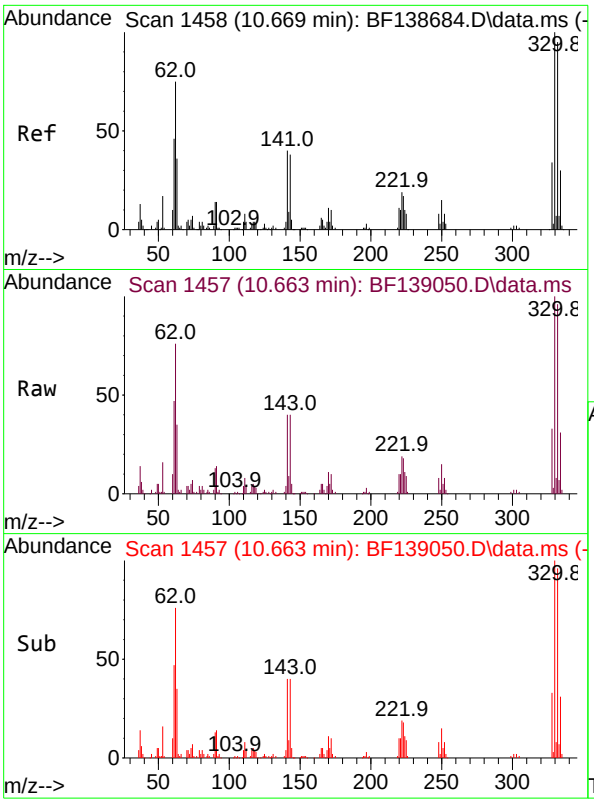


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Tgt Ion:164 Resp: 110837

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.4	119.0
160	45.6	35.1	52.7



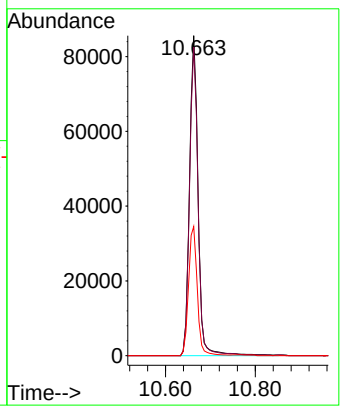


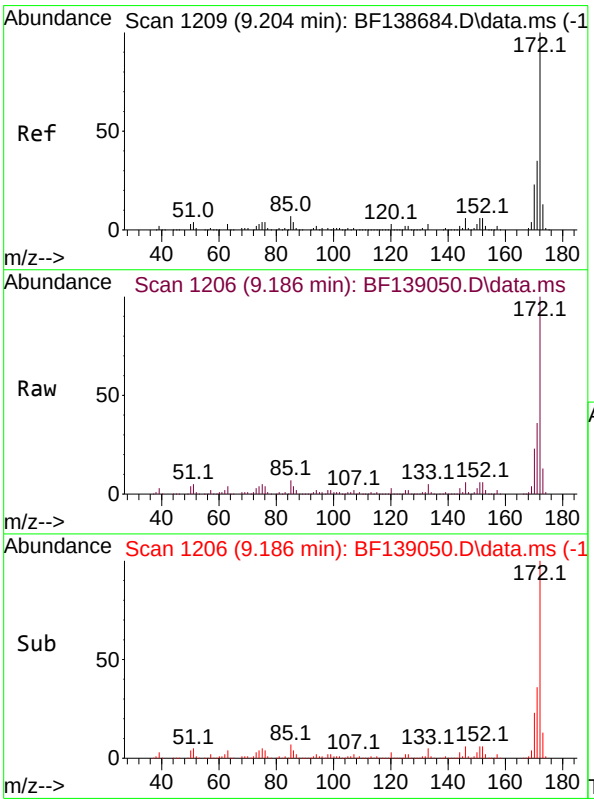
#42
2,4,6-Tribromophenol
Concen: 125.028 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Tgt Ion:330 Resp: 113513

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.4	114.6
141	41.1	31.1	46.7

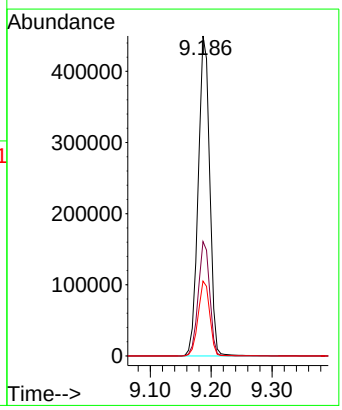


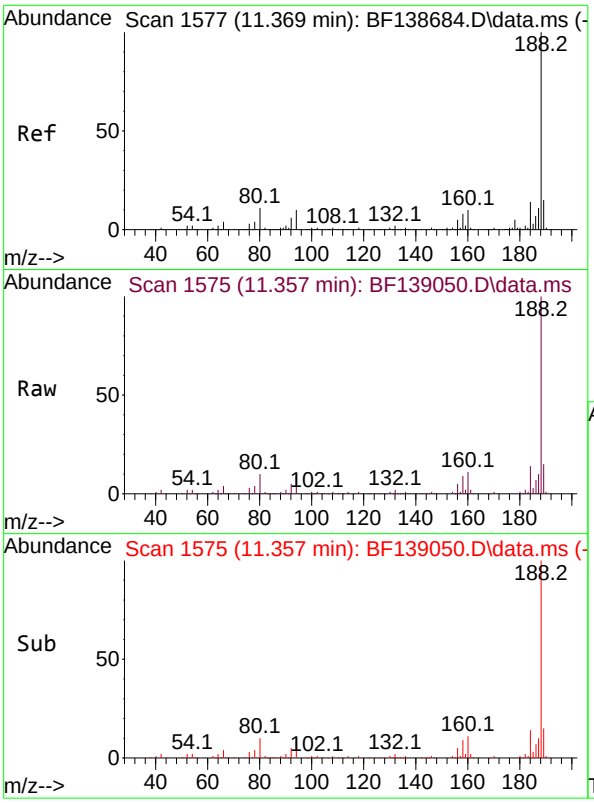


#45
2-Fluorobiphenyl
Concen: 80.003 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Tgt Ion:172 Resp: 590168

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.4	18.8	28.2



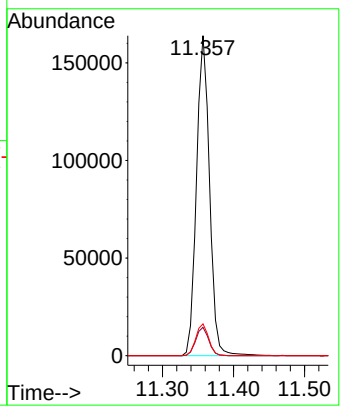


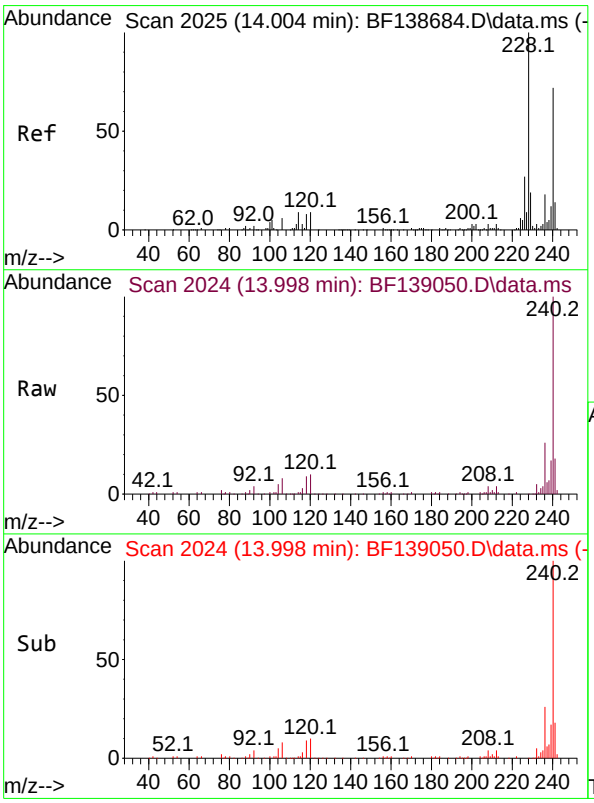
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Tgt Ion:188 Resp: 209233

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.6	11.4
80	10.0	8.6	12.8

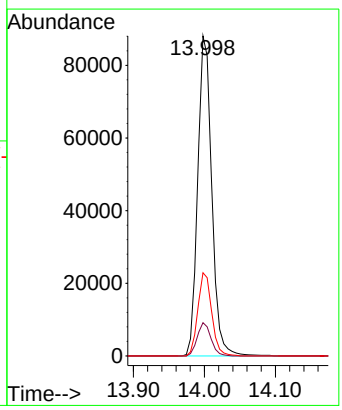


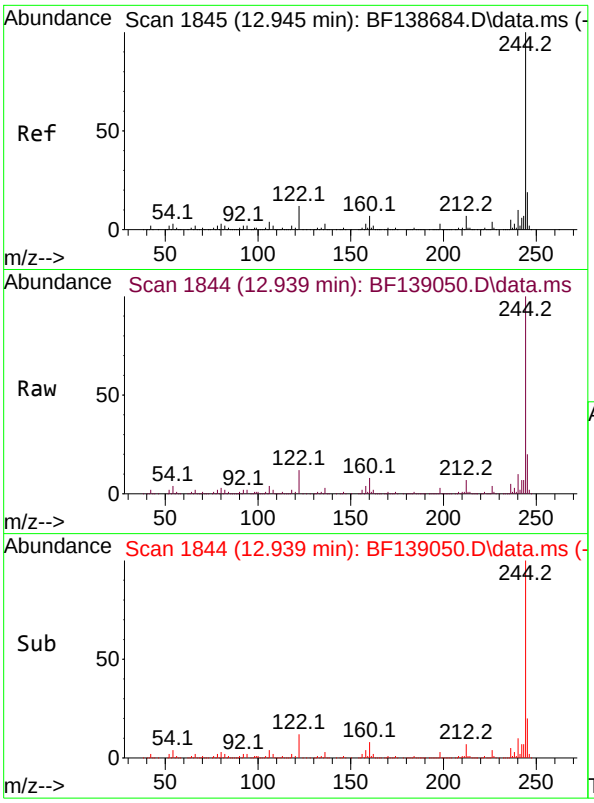


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Tgt Ion:240 Resp: 121458

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.2	15.4
236	26.0	19.8	29.8



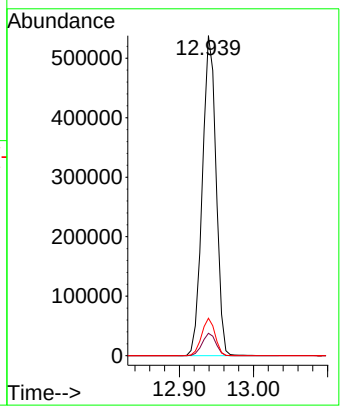


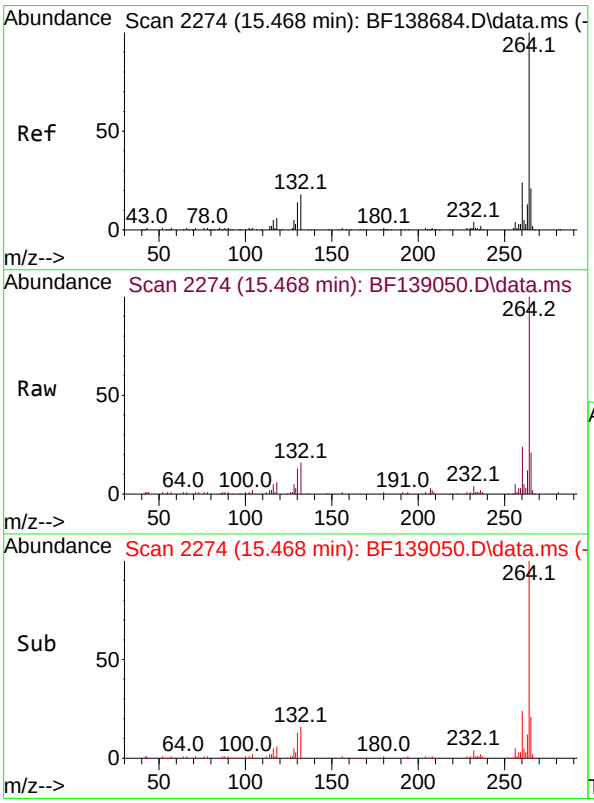
#79
Terphenyl-d14
Concen: 95.787 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB162520BL

Tgt Ion:244 Resp: 694879

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.7	9.6	14.4

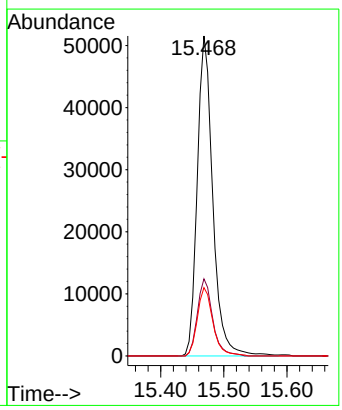




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF139050.D
Acq: 16 Aug 2024 10:43

Tgt Ion:264 Resp: 88021

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	21.3	17.0	25.6



Raw Data: **BF138967.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:	PB162520BS	SDG No.:	P3475
Lab Sample ID:	PB162520BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
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
BF138967.D	1	08/06/24 08:26	08/13/24 11:08	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.9		30 (20) - 130 (109)	87%	SPK: 100
1718-51-0	Terphenyl-d14	111		30 (10) - 130 (105)	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49400	6.84			
1146-65-2	Naphthalene-d8	210000	8.122			
15067-26-2	Acenaphthene-d10	120000	9.875			
1517-22-2	Phenanthrene-d10	210000	11.363			
1719-03-5	Chrysene-d12	104000	14.004			
1520-96-3	Perylene-d12	91900	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: **BF138967.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138967.D
Acq On : 13 Aug 2024 11:08
Operator : RC/JU
Sample : PB162520BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:47:26 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

Instrument :
BNA_F
ClientSampleId :
PB162520BS

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	6.840	152	49442	20.000	ng		0.00
21) Naphthalene-d8	8.122	136	209908	20.000	ng		0.00
39) Acenaphthene-d10	9.875	164	120228	20.000	ng		0.00
64) Phenanthrene-d10	11.363	188	210367	20.000	ng		0.00
76) Chrysene-d12	14.004	240	104150	20.000	ng	#	0.00
86) Perylene-d12	15.463	264	91923	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	425411	132.820	ng		0.02
7) Phenol-d6	6.493	99	559506	130.110	ng		0.00
23) Nitrobenzene-d5	7.410	82	374166	87.150	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	133213	135.265	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	695030	86.858	ng		0.00
79) Terphenyl-d14	12.939	244	687944	110.591	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	42728	30.471	ng	#	95
3) Pyridine	3.452	79	107378	31.611	ng		96
4) n-Nitrosodimethylamine	3.410	42	106582	52.682	ng	#	80
6) Aniline	6.510	93	121486	31.678	ng	#	8
8) 2-Chlorophenol	6.634	128	166637	49.450	ng		96
9) Benzaldehyde	6.399	77	82748	32.100	ng		100
10) Phenol	6.504	94	214425	47.359	ng		80
11) bis(2-Chloroethyl)ether	6.581	93	155108	44.518	ng		100
12) 1,3-Dichlorobenzene	6.781	146	167604	44.432	ng		97
13) 1,4-Dichlorobenzene	6.857	146	172544	45.326	ng		100
14) 1,2-Dichlorobenzene	7.010	146	164472	46.230	ng		99
15) Benzyl Alcohol	6.993	79	160349	51.736	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	263808	43.996	ng	#	48
17) 2-Methylphenol	7.110	107	132778	47.717	ng	#	86
18) Hexachloroethane	7.346	117	67525	47.123	ng		98
19) n-Nitroso-di-n-propyla...	7.257	70	130290	50.164	ng		97
20) 3+4-Methylphenols	7.263	107	178500	49.997	ng	#	78
22) Acetophenone	7.257	105	228480	44.455	ng		96
24) Nitrobenzene	7.428	77	192222	43.999	ng		99
25) Isophorone	7.669	82	342449	46.712	ng		99
26) 2-Nitrophenol	7.745	139	88518	47.094	ng		95
27) 2,4-Dimethylphenol	7.787	122	112993	50.244	ng		97
28) bis(2-Chloroethoxy)met...	7.875	93	196906	44.106	ng		99
29) 2,4-Dichlorophenol	7.993	162	140879	48.751	ng		98
30) 1,2,4-Trichlorobenzene	8.063	180	150643	45.172	ng		97
31) Naphthalene	8.145	128	496239	44.913	ng		100
32) Benzoic acid	7.945	122	51007	28.854	ng		92
33) 4-Chloroaniline	8.198	127	77826	20.984	ng		98
34) Hexachlorobutadiene	8.251	225	94019	46.546	ng		96
35) Caprolactam	8.587	113	39426m	45.723	ng		
36) 4-Chloro-3-methylphenol	8.698	107	162332	49.153	ng		98
37) 2-Methylnaphthalene	8.834	142	326927	46.851	ng		100
38) 1-Methylnaphthalene	8.934	142	301477	44.090	ng		100
40) 1,2,4,5-Tetrachloroben...	8.998	216	142180	42.572	ng		98
41) Hexachlorocyclopentadiene	8.981	237	84792	94.533	ng		98
43) 2,4,6-Trichlorophenol	9.122	196	89081	43.746	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138967.D
Acq On : 13 Aug 2024 11:08
Operator : RC/JU
Sample : PB162520BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 11:47:26 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

Instrument :
BNA_F
ClientSampleId :
PB162520BS

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	9.175	196	94690	42.536	ng		98
46) 1,1'-Biphenyl	9.298	154	386938	41.093	ng		99
47) 2-Chloronaphthalene	9.328	162	304651	43.503	ng		99
48) 2-Nitroaniline	9.434	65	114184	48.095	ng		98
49) Acenaphthylene	9.739	152	485556	48.886	ng		99
50) Dimethylphthalate	9.604	163	379639	49.384	ng		100
51) 2,6-Dinitrotoluene	9.675	165	81235	46.823	ng		92
52) Acenaphthene	9.910	154	297840	44.609	ng		99
53) 3-Nitroaniline	9.845	138	55684	31.047	ng		95
54) 2,4-Dinitrophenol	9.963	184	66332	83.055	ng		84
55) Dibenzofuran	10.081	168	447408	47.471	ng		97
56) 4-Nitrophenol	10.028	139	74111	68.714	ng		87
57) 2,4-Dinitrotoluene	10.081	165	112103	50.645	ng	#	79
58) Fluorene	10.428	166	362427	48.289	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.210	232	80910	47.541	ng		94
60) Diethylphthalate	10.298	149	378567	51.936	ng		100
61) 4-Chlorophenyl-phenyle...	10.416	204	179675	48.675	ng		99
62) 4-Nitroaniline	10.463	138	76015m	44.599	ng		
63) Azobenzene	10.575	77	395731	48.950	ng		96
65) 4,6-Dinitro-2-methylph...	10.492	198	59127	46.070	ng		92
66) n-Nitrosodiphenylamine	10.539	169	302467	45.998	ng		99
67) 4-Bromophenyl-phenylether	10.904	248	102734	45.106	ng		97
68) Hexachlorobenzene	10.975	284	106177	45.150	ng		98
69) Atrazine	11.063	200	94396	55.641	ng		98
70) Pentachlorophenol	11.175	266	70243	66.267	ng		99
71) Phenanthrene	11.386	178	518125	47.832	ng		99
72) Anthracene	11.439	178	529525	49.622	ng		100
73) Carbazole	11.598	167	436135	47.372	ng		99
74) Di-n-butylphthalate	11.916	149	576456	55.698	ng		99
75) Fluoranthene	12.575	202	481987	47.662	ng		99
77) Benzidine	12.698	184	32006	12.848	ng		100
78) Pyrene	12.804	202	467899	47.715	ng		100
80) Butylbenzylphthalate	13.410	149	179755	57.244	ng		99
81) Benzo(a)anthracene	13.992	228	341379	47.599	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	64843	35.330	ng		99
83) Chrysene	14.027	228	311614	48.159	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	233278	50.732	ng		97
85) Di-n-octyl phthalate	14.574	149	350779	41.232	ng		100
87) Indeno(1,2,3-cd)pyrene	16.945	276	296334	44.984	ng		97
88) Benzo(b)fluoranthene	15.039	252	274450	48.163	ng		98
89) Benzo(k)fluoranthene	15.069	252	287861	58.346	ng		98
90) Benzo(a)pyrene	15.404	252	257889	53.804	ng		98
91) Dibenzo(a,h)anthracene	16.951	278	240349	44.447	ng		98
92) Benzo(g,h,i)perylene	17.386	276	218103	38.868	ng		96

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

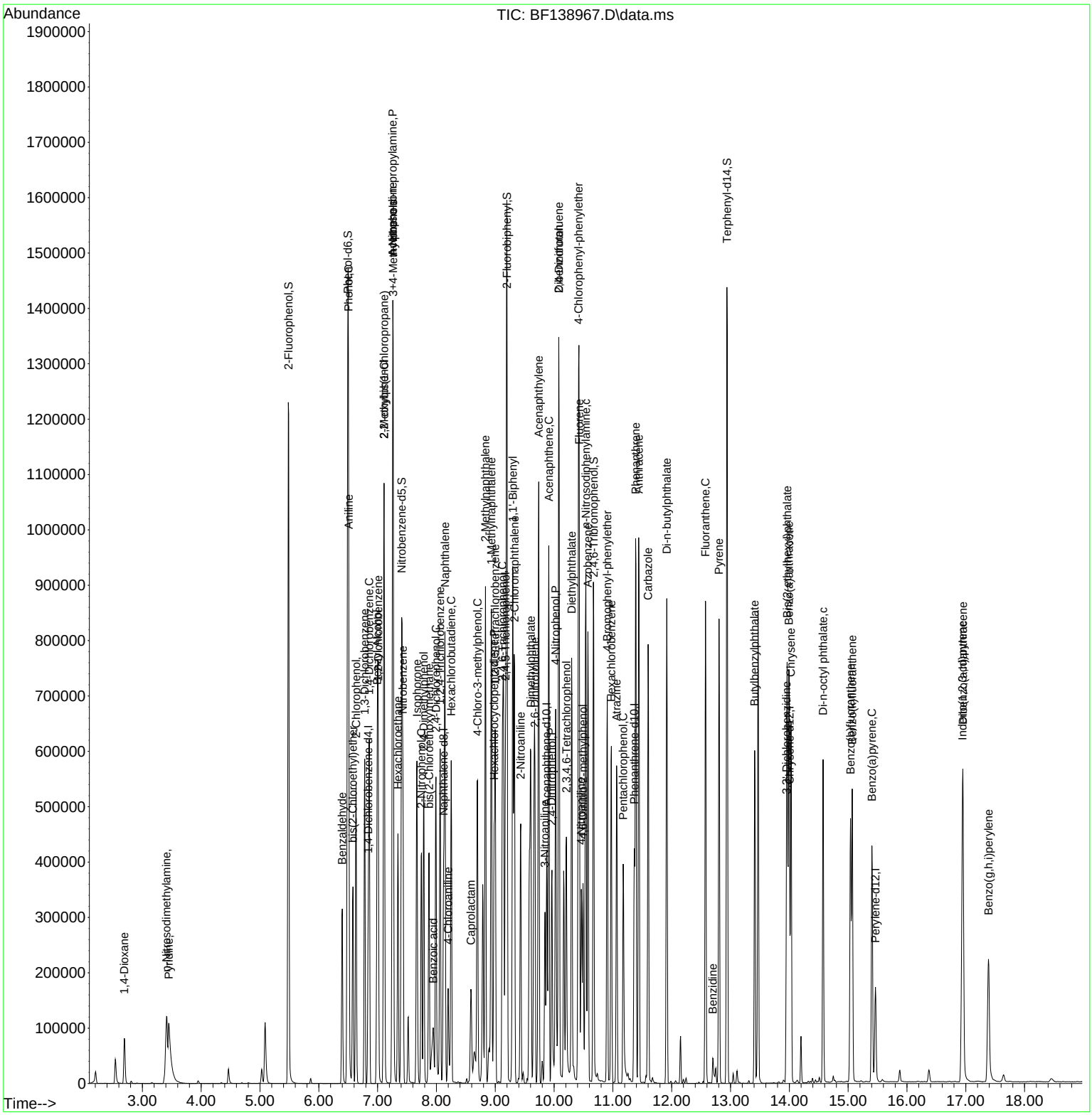
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081324\
Data File : BF138967.D
Acq On : 13 Aug 2024 11:08
Operator : RC/JU
Sample : PB162520BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

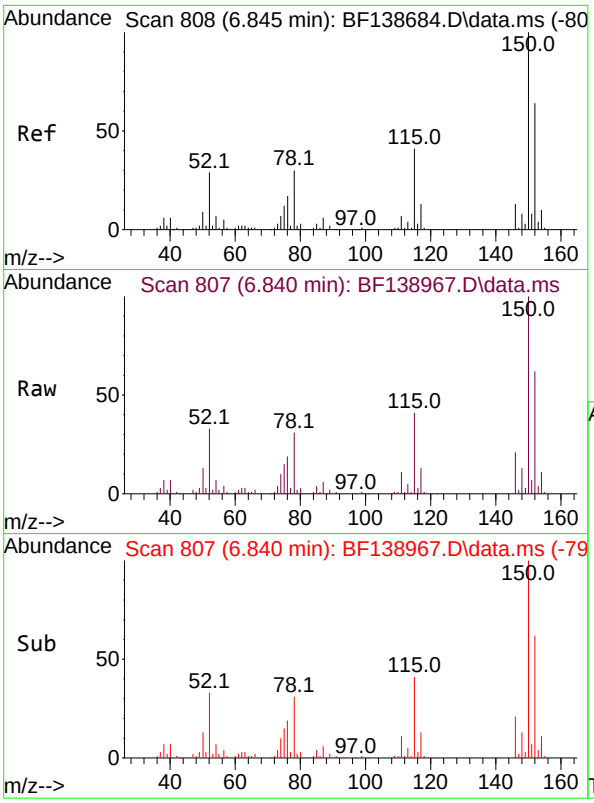
Quant Time: Aug 13 11:47:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

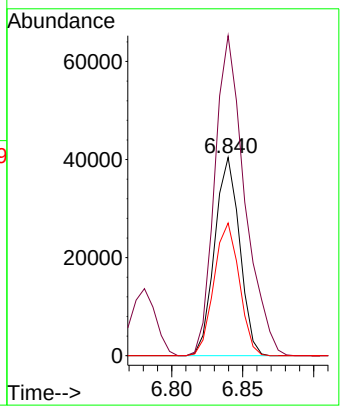




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:152 Resp: 4944

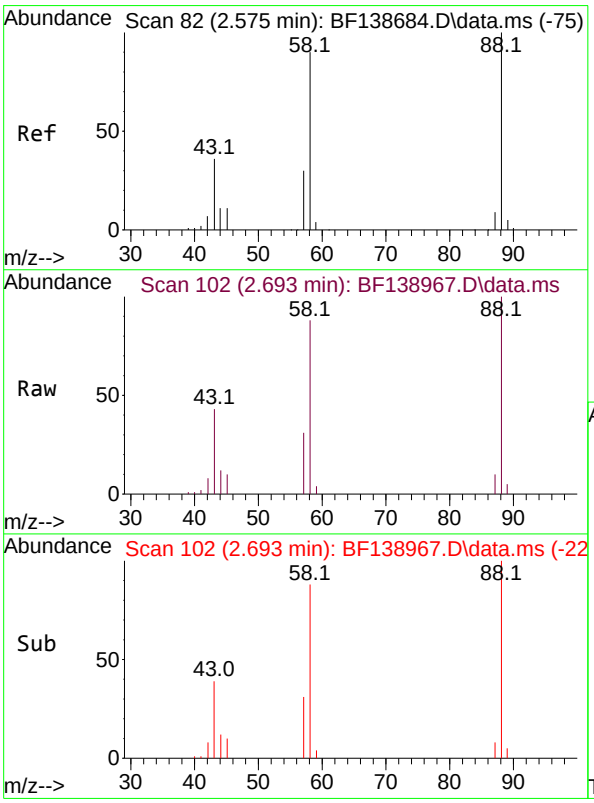
Ion	Ratio	Lower	Upper
152	100		
150	161.4	126.0	189.0
115	66.9	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

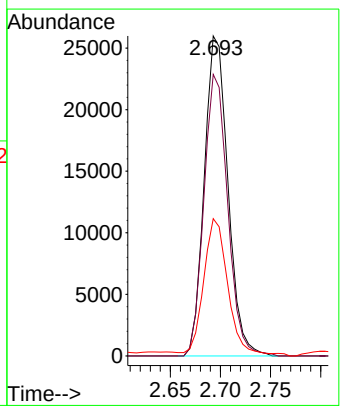
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

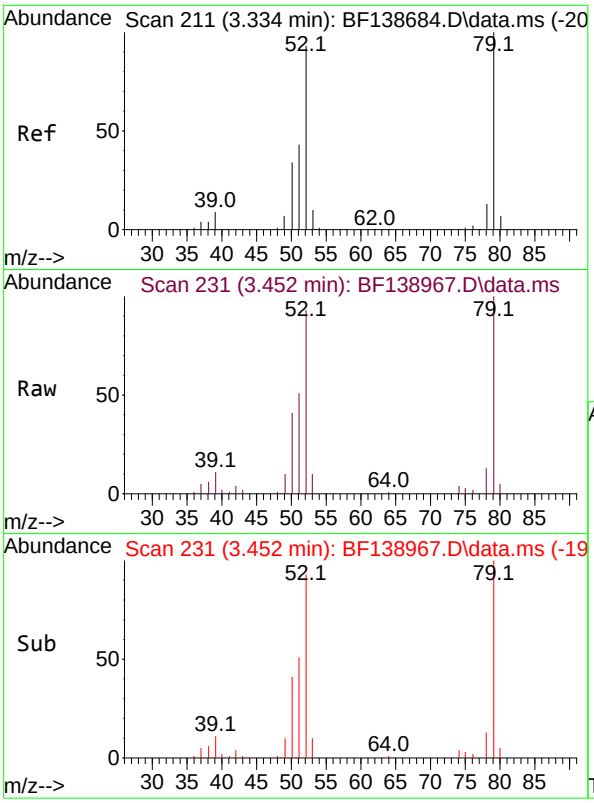


#2
1,4-Dioxane
Concen: 30.471 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.118 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 88 Resp: 42728

Ion	Ratio	Lower	Upper
88	100		
58	88.7	71.6	107.4
43	44.3	28.7	43.1#

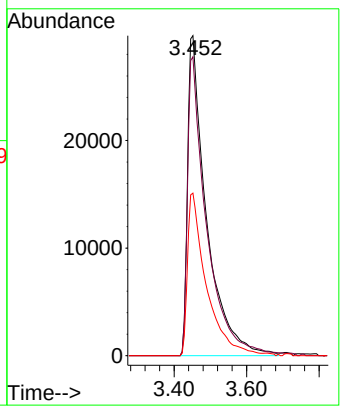




#3
Pyridine
Concen: 31.611 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.118 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 79 Resp: 10737

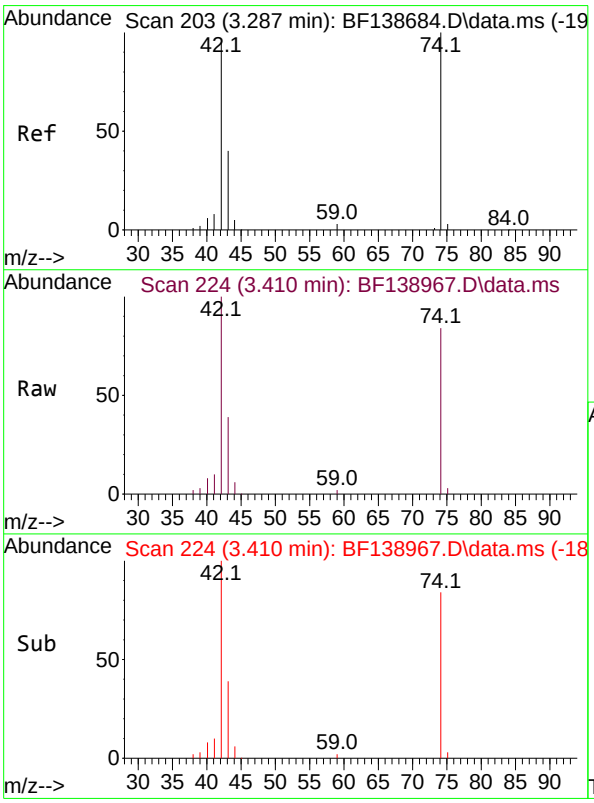
Ion	Ratio	Lower	Upper
79	100		
52	93.4	74.7	112.1
51	50.8	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

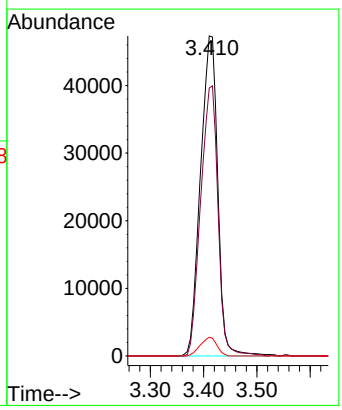
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

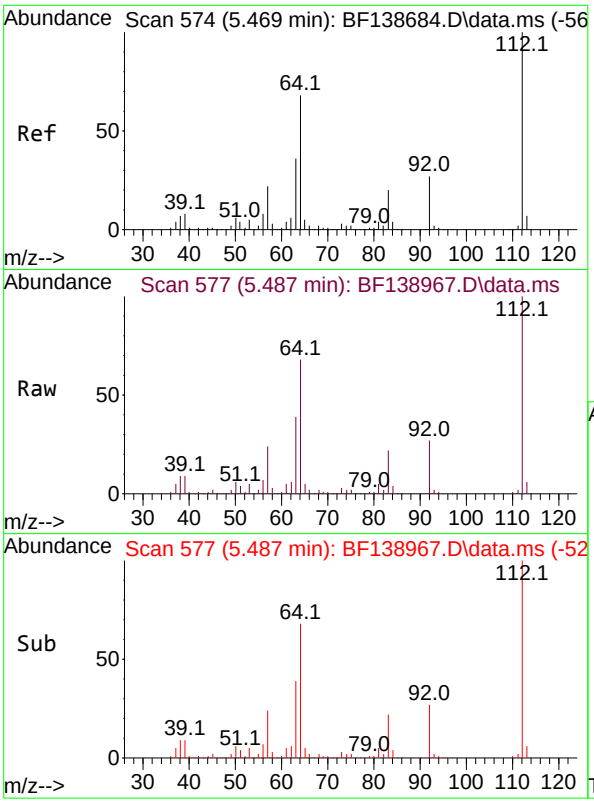


#4
n-Nitrosodimethylamine
Concen: 52.682 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.124 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 42 Resp: 106582

Ion	Ratio	Lower	Upper
42	100		
74	83.7	84.2	126.4#
44	5.9	4.9	7.3

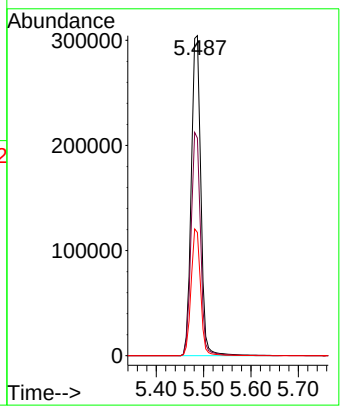




#5
2-Fluorophenol
Concen: 132.820 ng
RT: 5.487 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:112 Resp: 42541

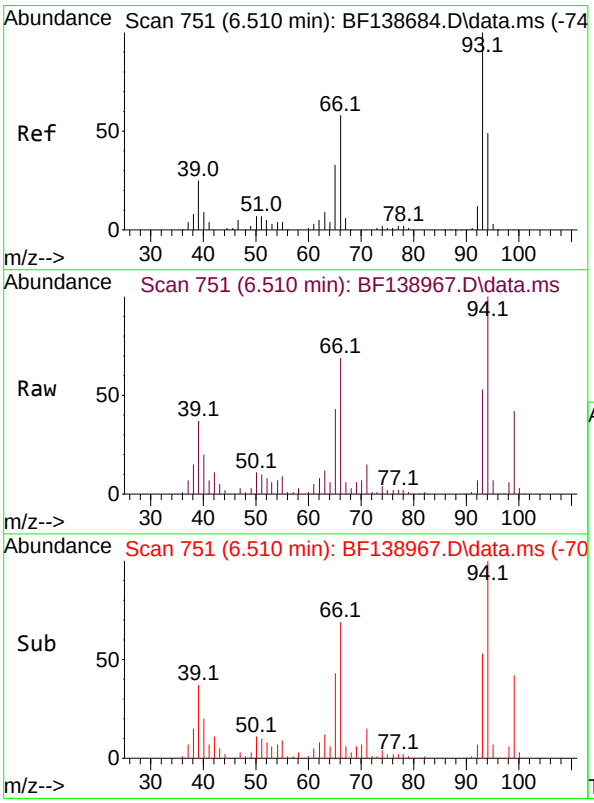
Ion	Ratio	Lower	Upper
112	100		
64	68.0	54.2	81.4
63	38.5	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

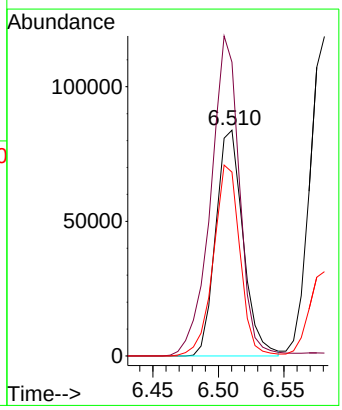
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

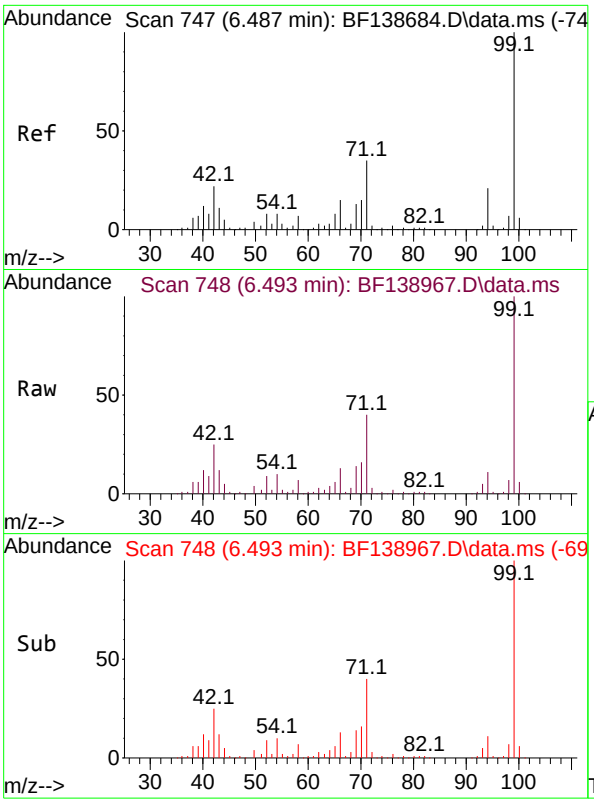


#6
Aniline
Concen: 31.678 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 93 Resp: 121486

Ion	Ratio	Lower	Upper
93	100		
66	130.1	46.9	70.3#
65	81.4	26.5	39.7#

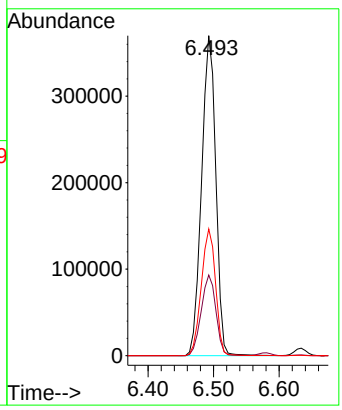




#7
Phenol-d6
Concen: 130.110 ng
RT: 6.493 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 99 Resp: 55950

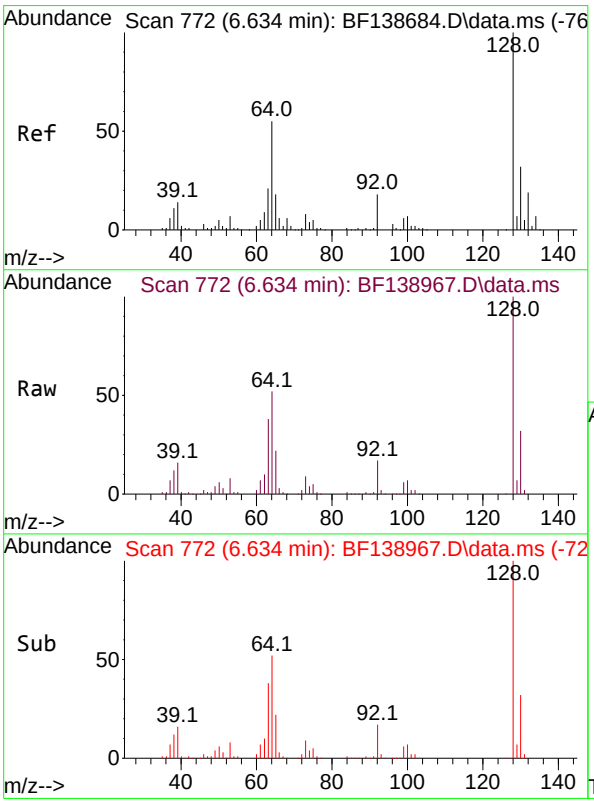
Ion	Ratio	Lower	Upper
99	100		
42	25.2	17.4	26.0
71	39.6	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

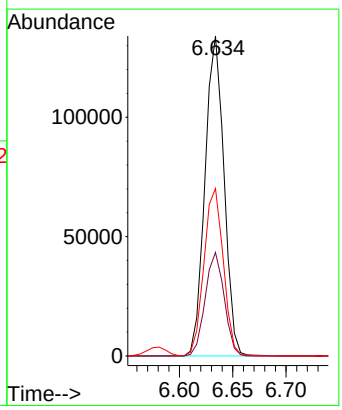
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

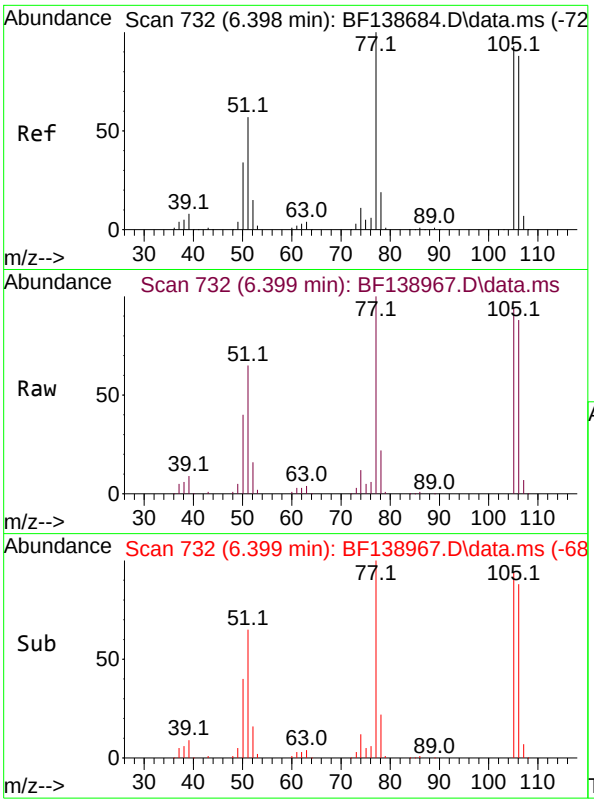


#8
2-Chlorophenol
Concen: 49.450 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:128 Resp: 166637

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	52.3	36.3	76.3

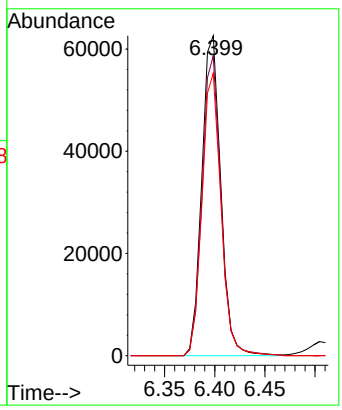




#9
Benzaldehyde
Concen: 32.100 ng
RT: 6.399 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 77 Resp: 8274

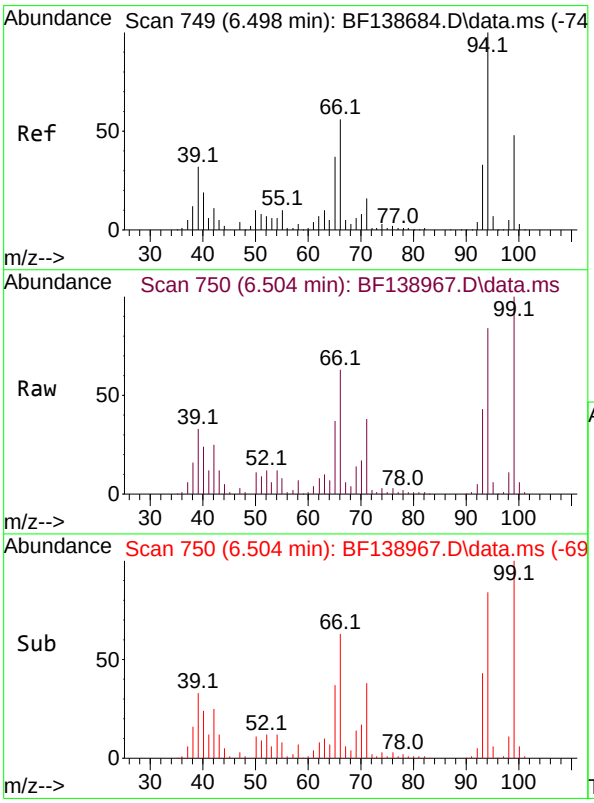
Ion	Ratio	Lower	Upper
77	100		
105	93.7	72.9	112.9
106	88.2	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

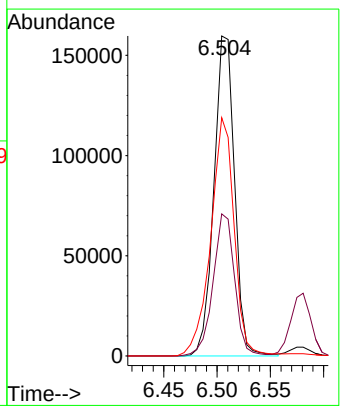
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

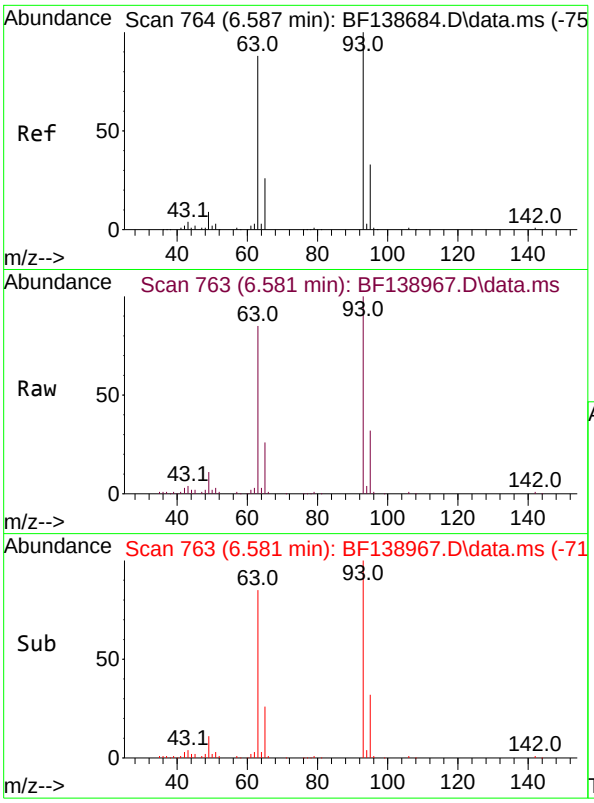


#10
Phenol
Concen: 47.359 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 94 Resp: 214425

Ion	Ratio	Lower	Upper
94	100		
65	44.4	16.9	56.9
66	74.4	36.5	76.5

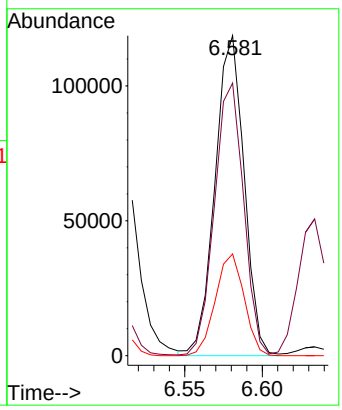




#11
bis(2-Chloroethyl)ether
Concen: 44.518 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 93 Resp: 15510

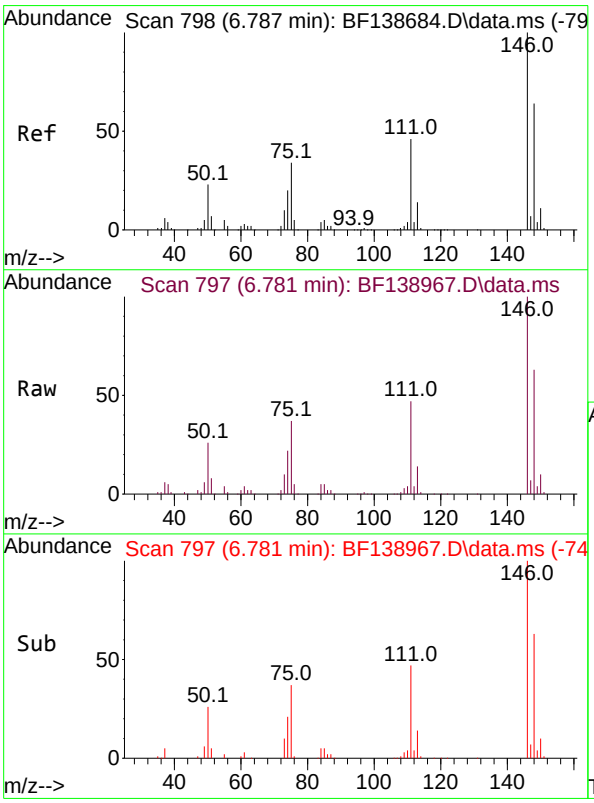
Ion	Ratio	Lower	Upper
93	100		
63	85.2	65.3	105.3
95	31.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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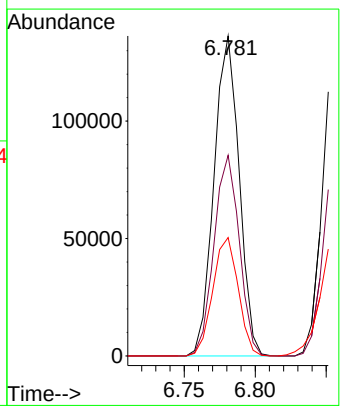
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

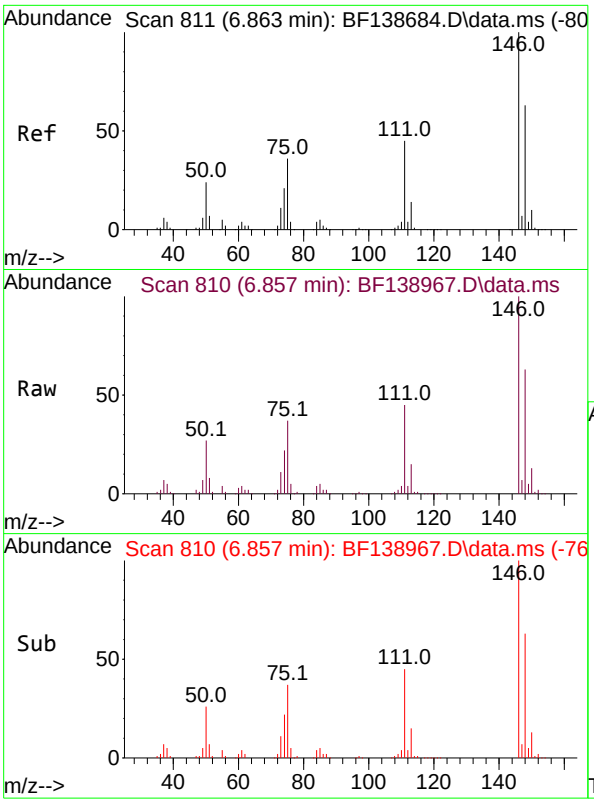


#12
1,3-Dichlorobenzene
Concen: 44.432 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:146 Resp: 167604

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.2	76.8
75	37.0	27.4	41.2

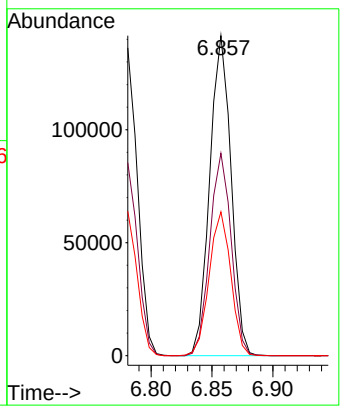




#13
1,4-Dichlorobenzene
Concen: 45.326 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:146 Resp: 17254

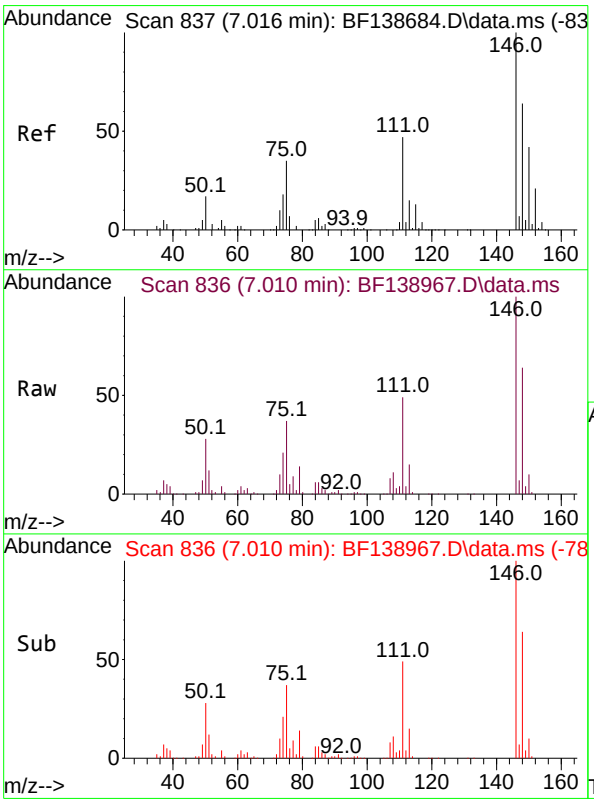
Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.2	75.2
111	45.0	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

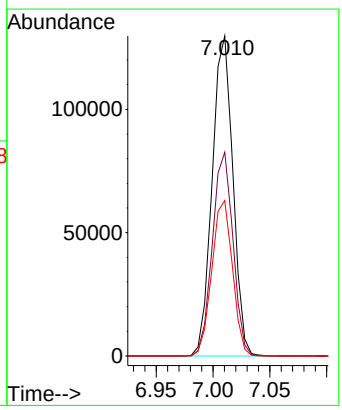
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

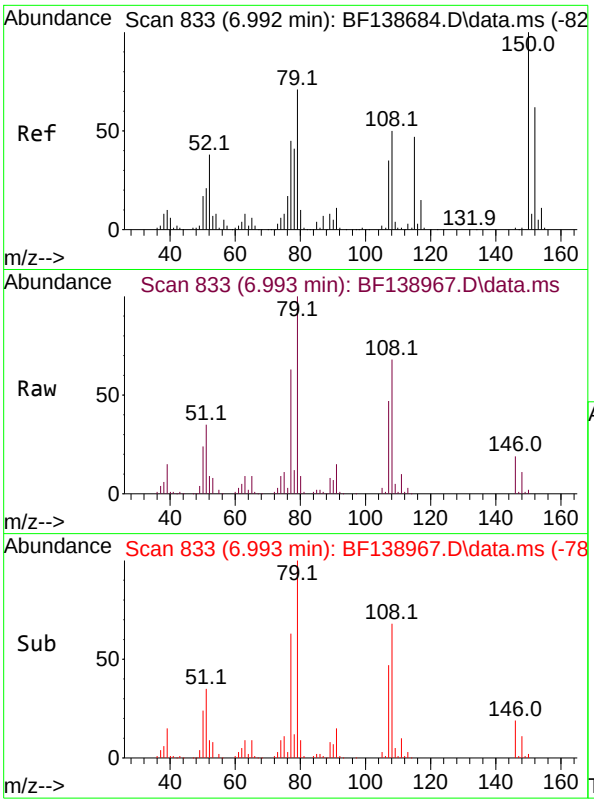


#14
1,2-Dichlorobenzene
Concen: 46.230 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:146 Resp: 164472

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.8	76.2
111	48.6	37.4	56.2





#15
Benzyl Alcohol
Concen: 51.736 ng
RT: 6.993 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

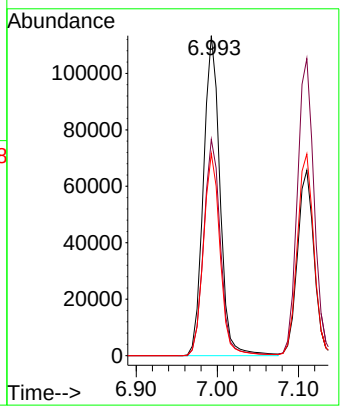
Tgt Ion: 79 Resp: 16034

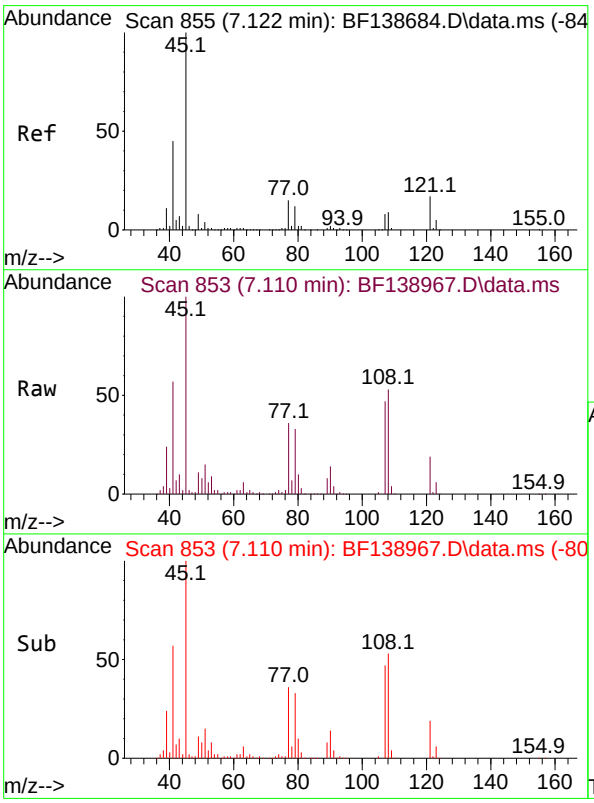
Ion	Ratio	Lower	Upper
79	100		
108	67.6	56.6	85.0
77	63.2	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

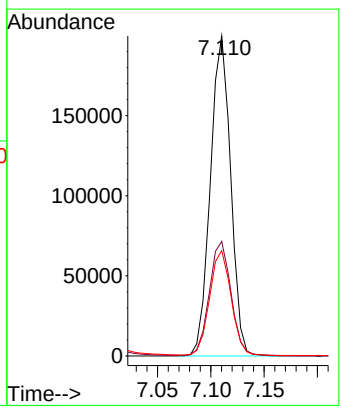


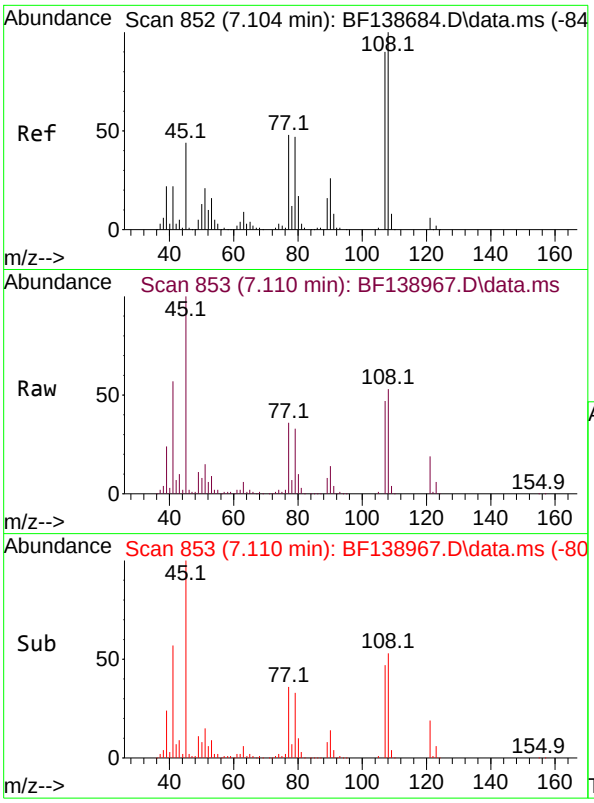


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.996 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 45 Resp: 263808

Ion	Ratio	Lower	Upper
45	100		
77	35.8	0.0	34.9#
79	32.9	0.0	32.2#

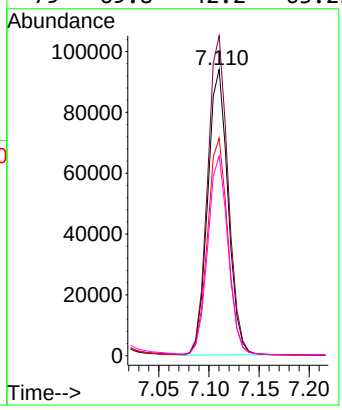




#17
2-Methylphenol
Concen: 47.717 ng
RT: 7.110 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:107 Resp: 13277

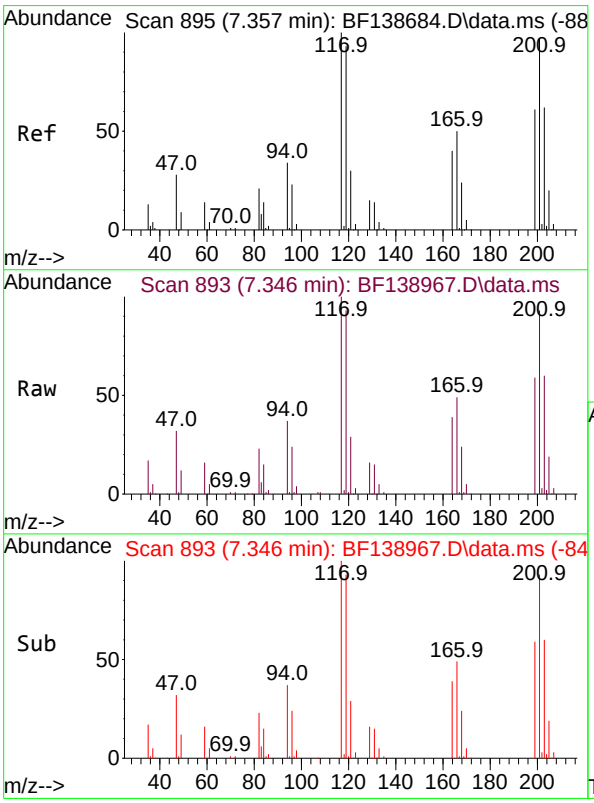
Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.2	133.8
77	76.0	43.0	64.4#
79	69.8	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

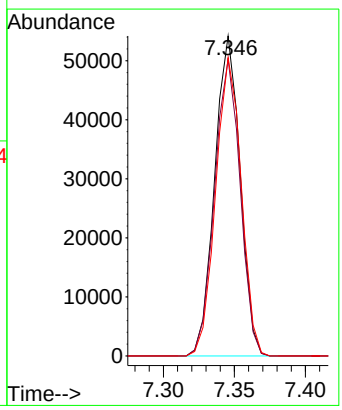
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

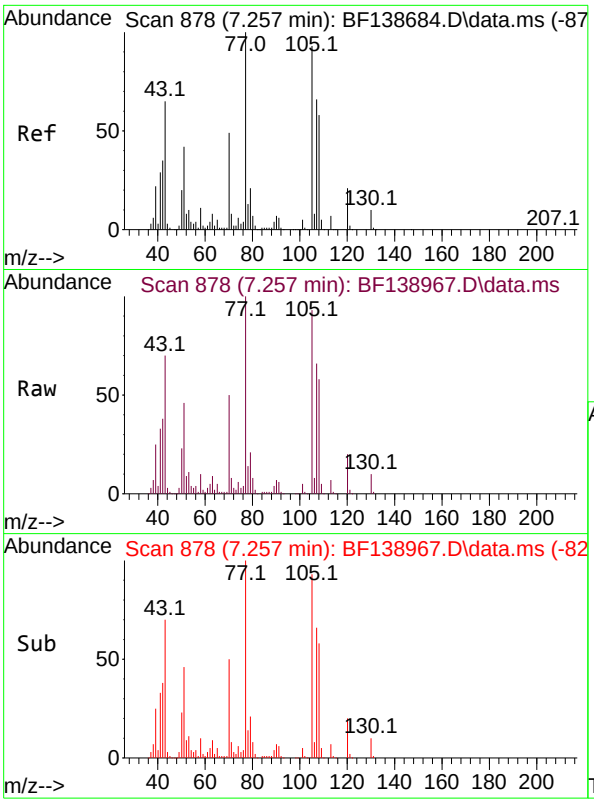


#18
Hexachloroethane
Concen: 47.123 ng
RT: 7.346 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:117 Resp: 67525

Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.6	111.8
201	93.2	77.2	115.8

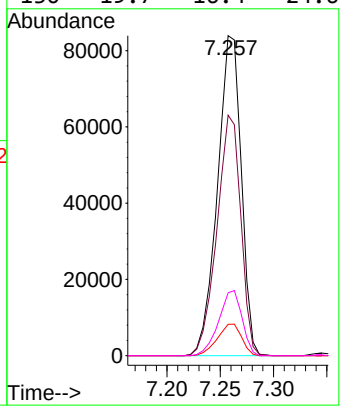




#19
n-Nitroso-di-n-propylamine
Concen: 50.164 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 70 Resp: 13029

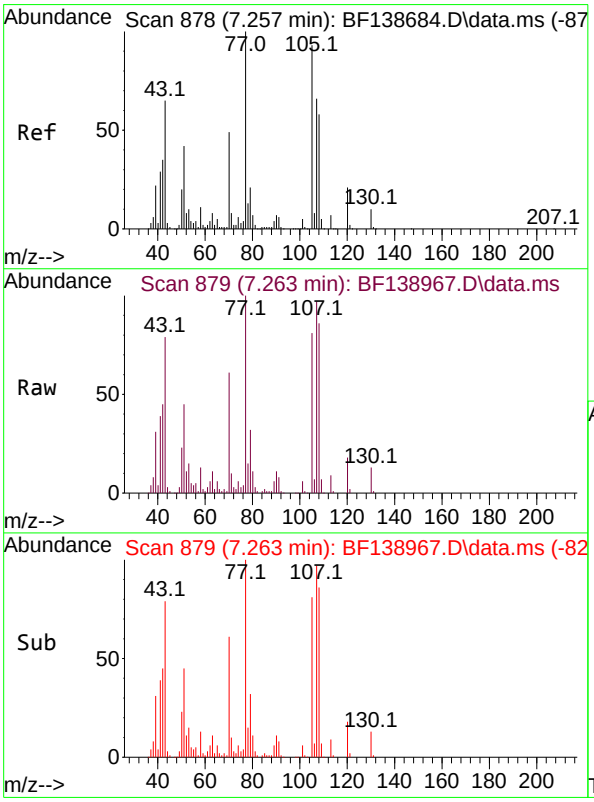
Ion	Ratio	Lower	Upper
70	100		
42	75.1	57.4	86.0
101	9.8	7.5	11.3
130	19.7	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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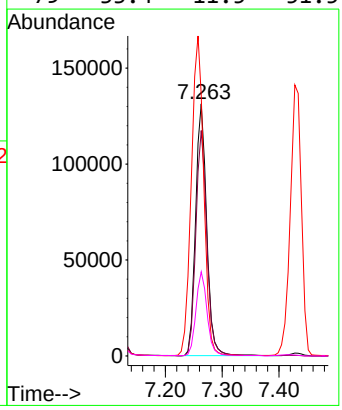
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

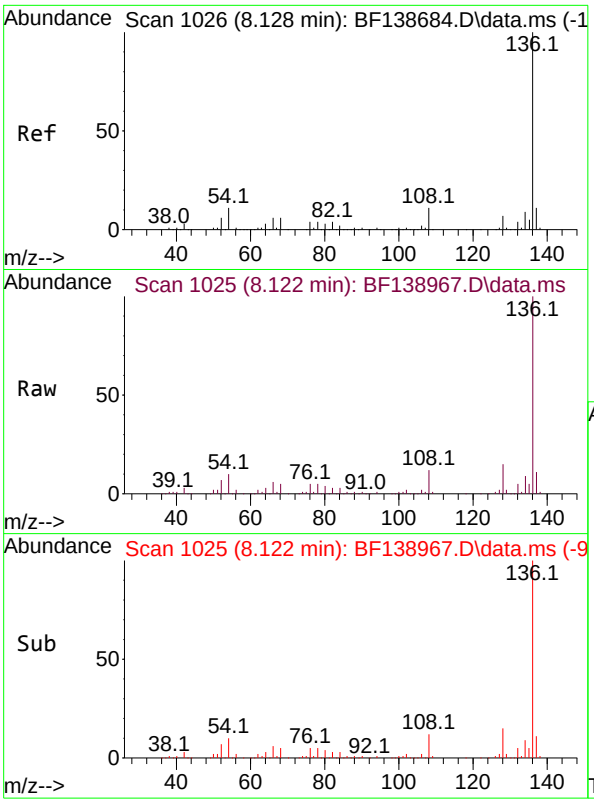


#20
3+4-Methylphenols
Concen: 49.997 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:107 Resp: 178500

Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.2	108.2
77	103.4	132.1	172.1#
79	33.4	11.5	51.5

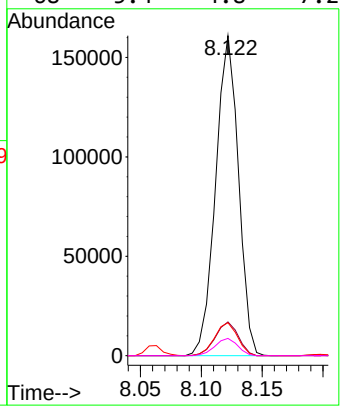




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:136 Resp: 20990

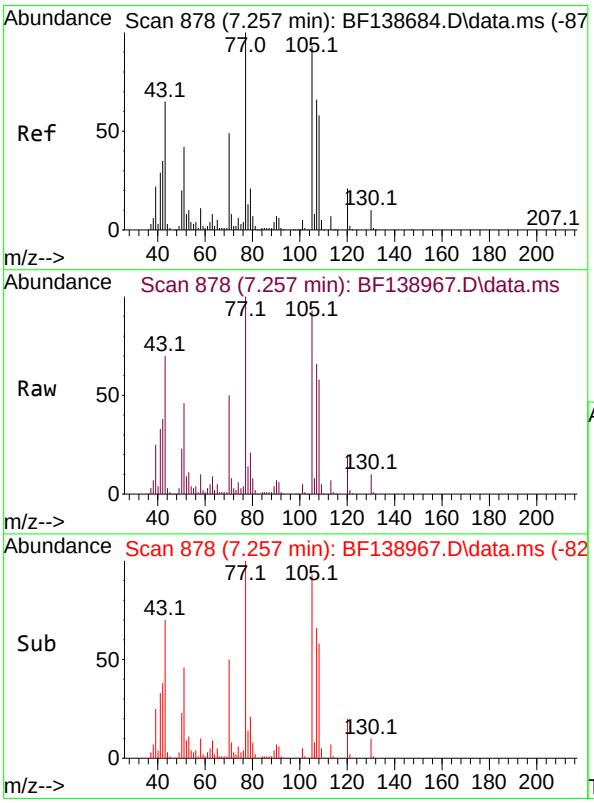
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	10.3	8.6	12.8
68	5.4	4.8	7.2



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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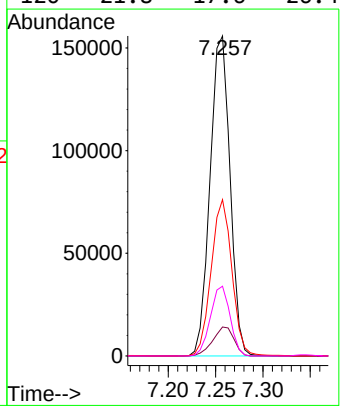
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

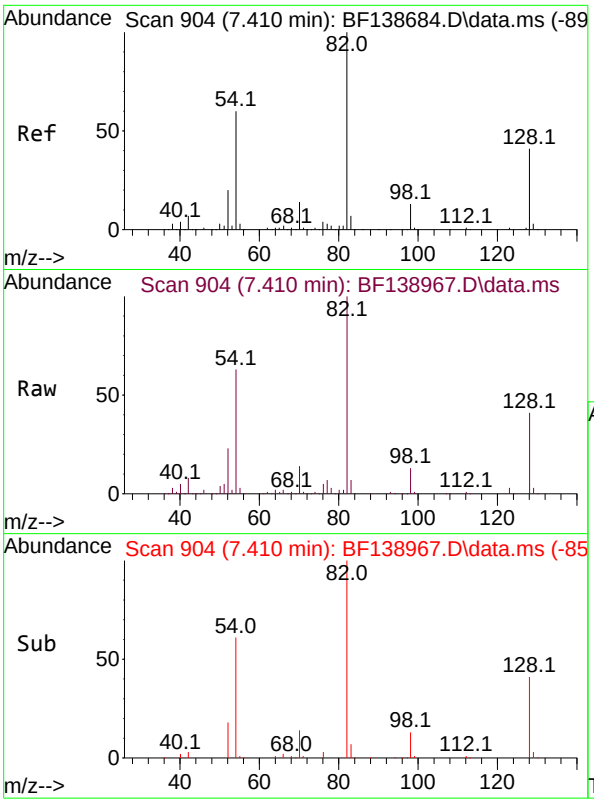


#22
Acetophenone
Concen: 44.455 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:105 Resp: 228480

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	48.8	35.9	53.9
120	21.8	17.6	26.4

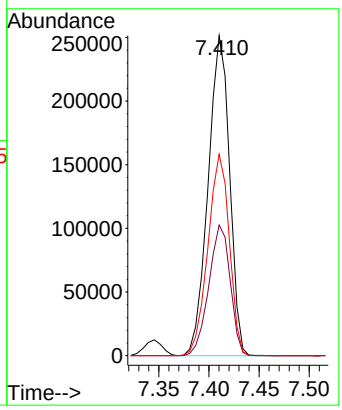




#23
Nitrobenzene-d5
Concen: 87.150 ng
RT: 7.410 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 82 Resp: 37416(

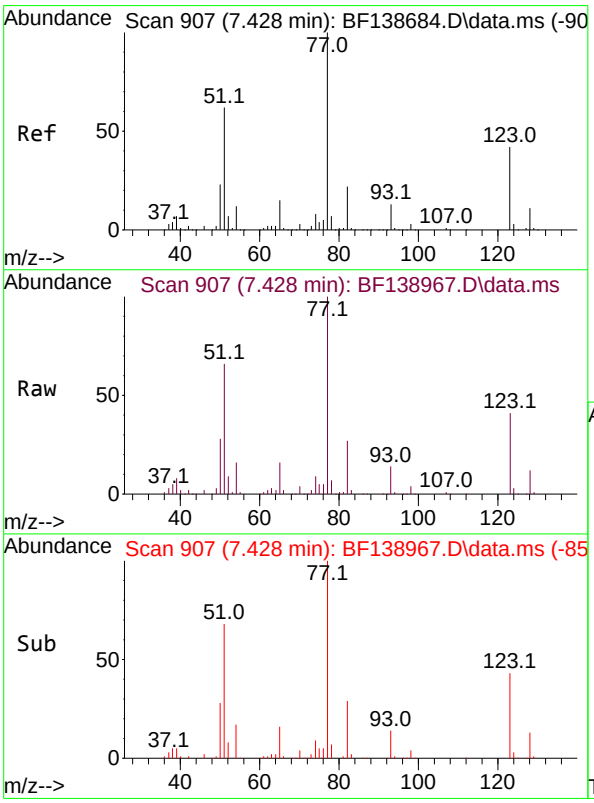
Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.8	49.2
54	62.9	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

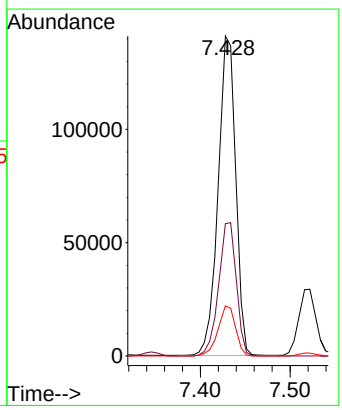
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

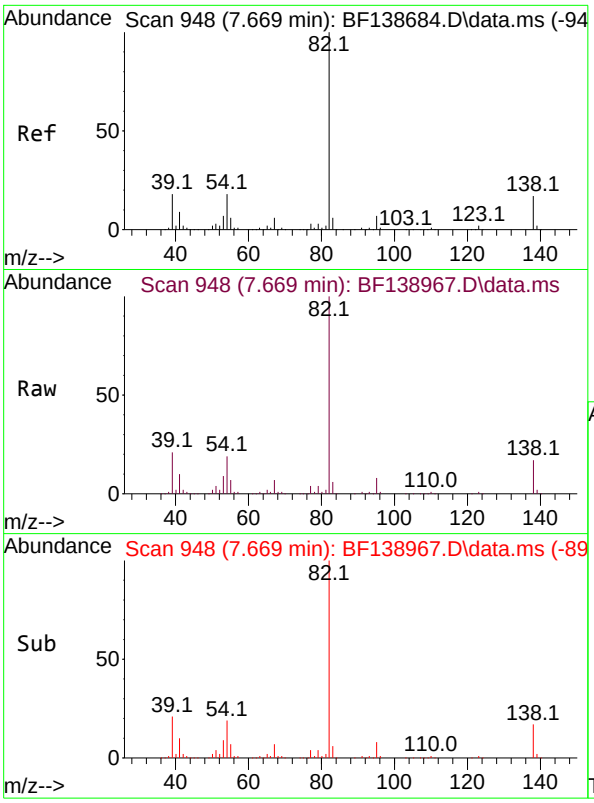


#24
Nitrobenzene
Concen: 43.999 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 77 Resp: 192222

Ion	Ratio	Lower	Upper
77	100		
123	41.4	33.3	49.9
65	15.6	11.9	17.9

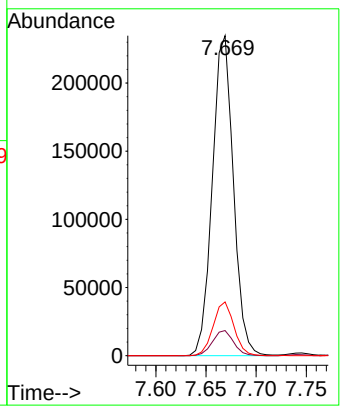




#25
Isophorone
Concen: 46.712 ng
RT: 7.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 82 Resp: 342449

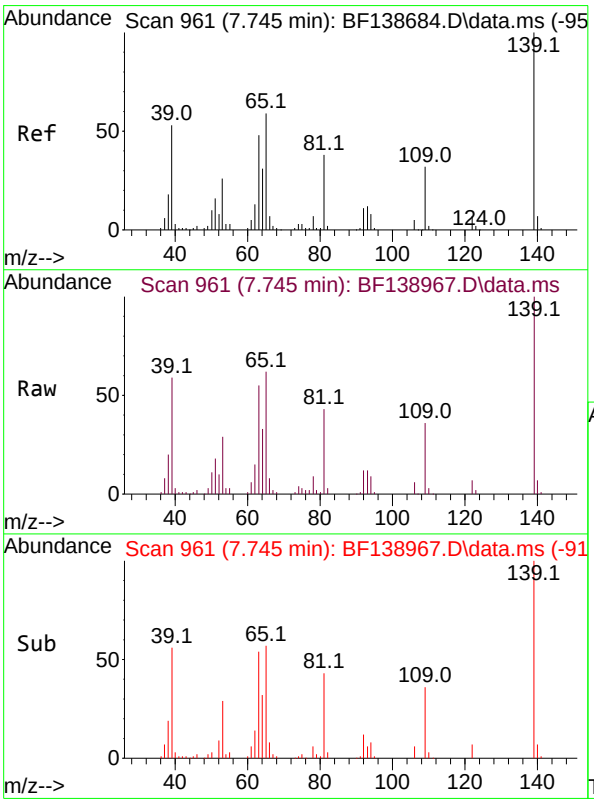
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.7	8.5
138	16.8	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

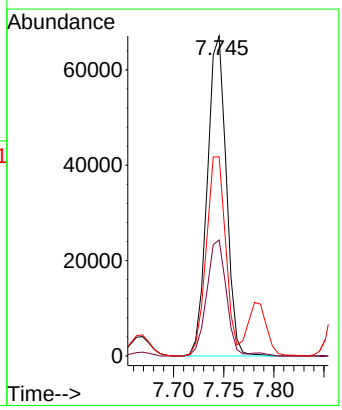
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

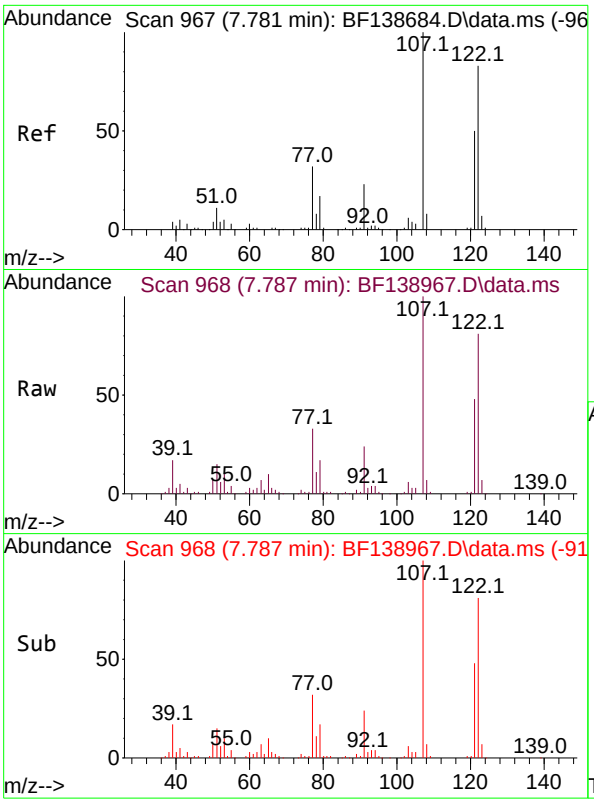


#26
2-Nitrophenol
Concen: 47.094 ng
RT: 7.745 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:139 Resp: 88518

Ion	Ratio	Lower	Upper
139	100		
109	36.3	25.9	38.9
65	62.3	47.0	70.6

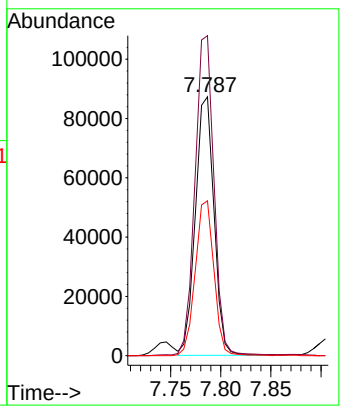




#27
2,4-Dimethylphenol
Concen: 50.244 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:122 Resp: 11299

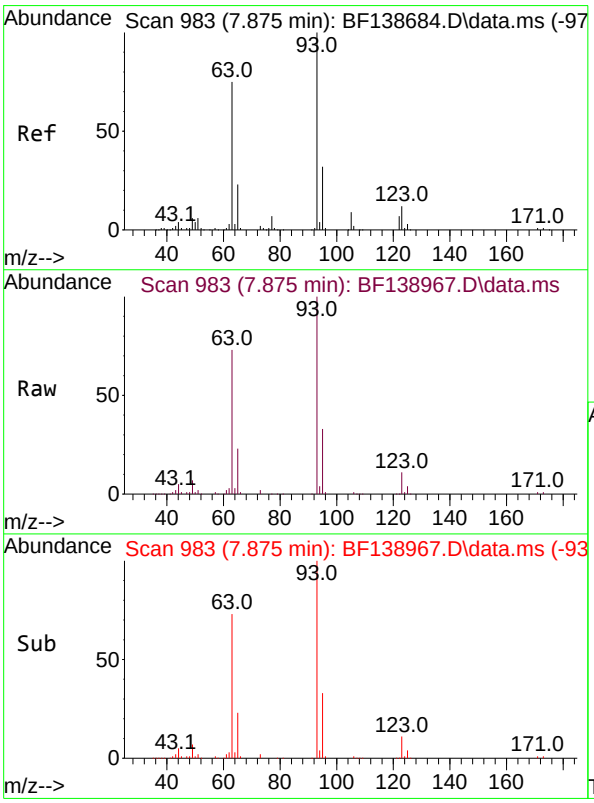
Ion	Ratio	Lower	Upper
122	100		
107	123.6	95.0	142.6
121	59.8	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

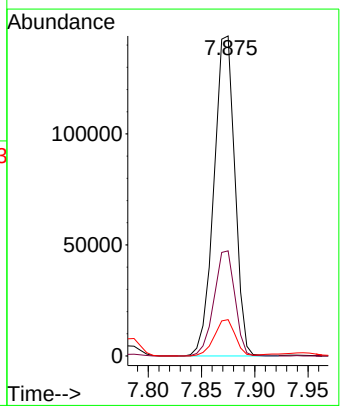
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

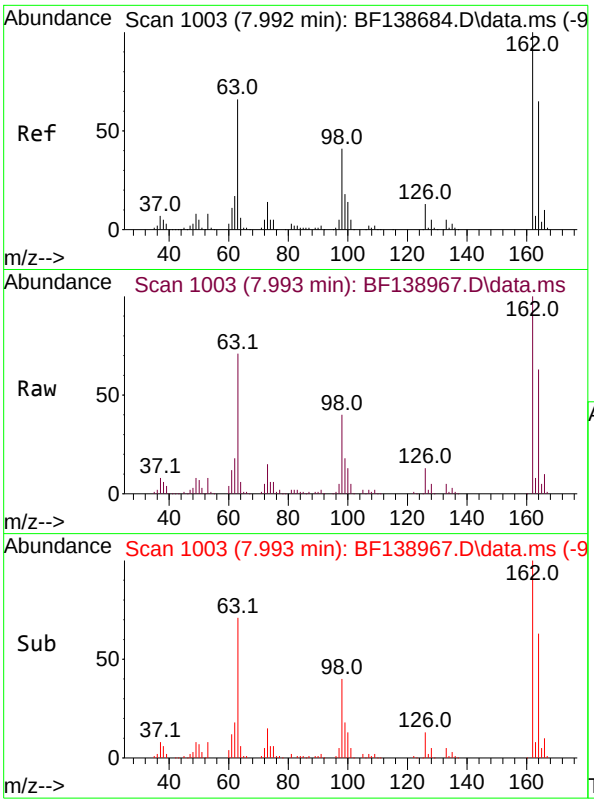


#28
bis(2-Chloroethoxy)methane
Concen: 44.106 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 93 Resp: 196906

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	11.4	9.4	14.0

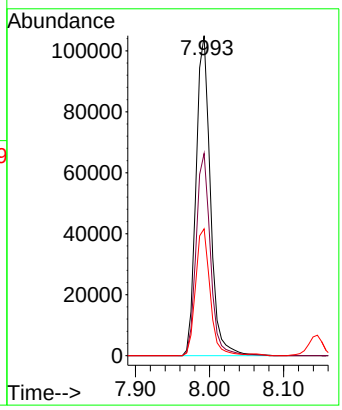




#29
2,4-Dichlorophenol
Concen: 48.751 ng
RT: 7.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:162 Resp: 14087

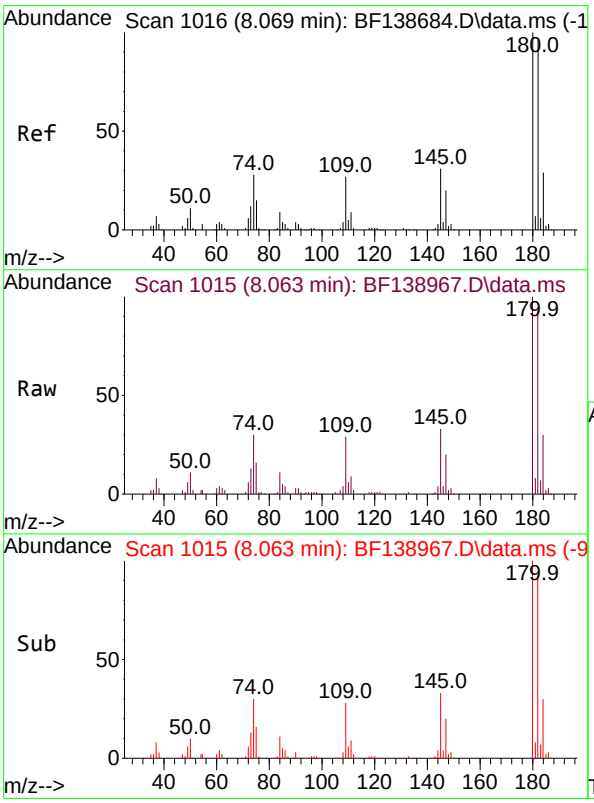
Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.7	84.7
98	39.7	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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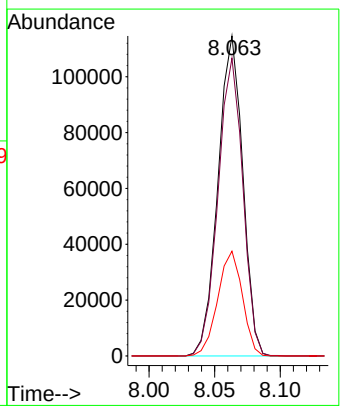
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

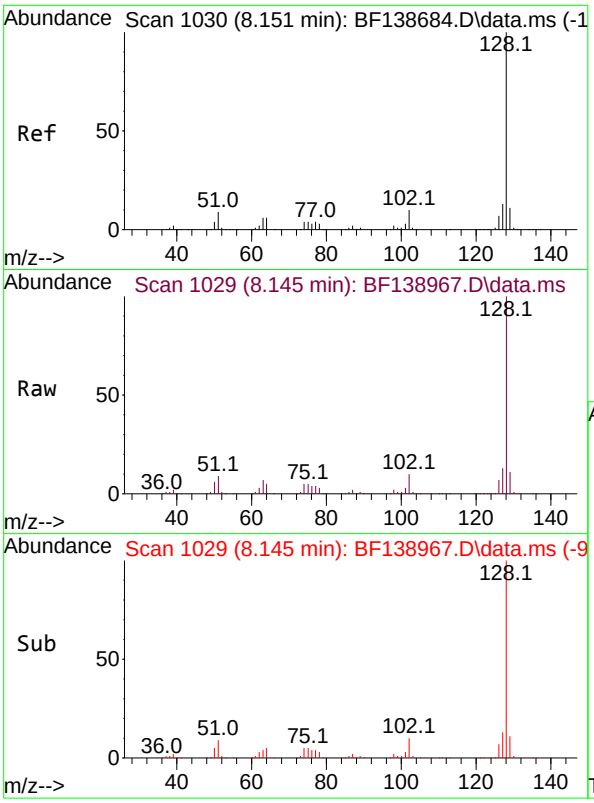


#30
1,2,4-Trichlorobenzene
Concen: 45.172 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:180 Resp: 150643

Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.9	115.3
145	32.7	25.0	37.4

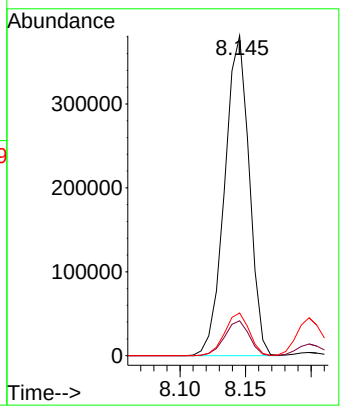




#31
Naphthalene
Concen: 44.913 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:128 Resp: 49623

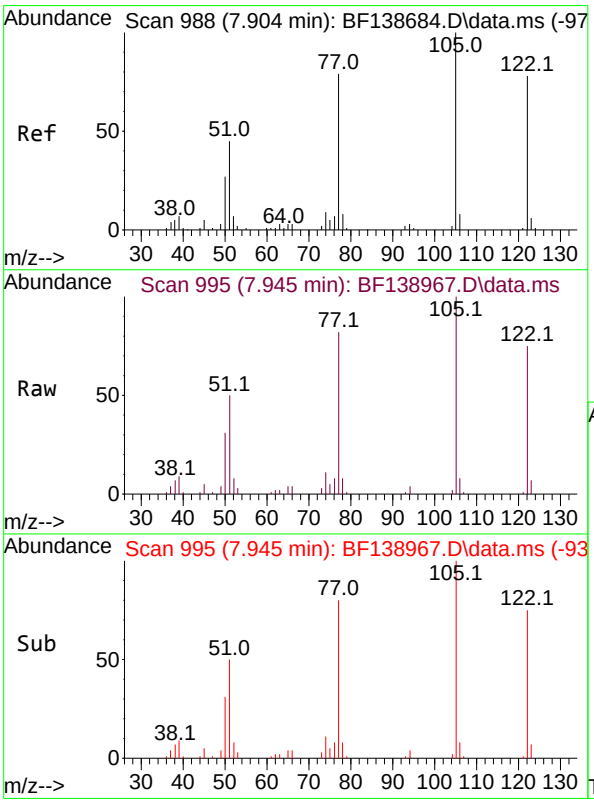
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

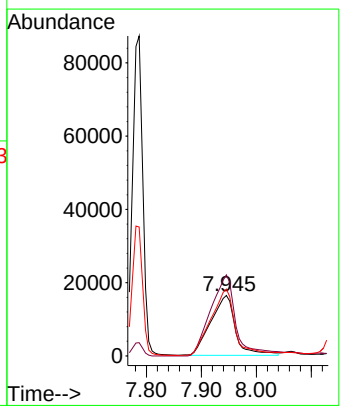
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

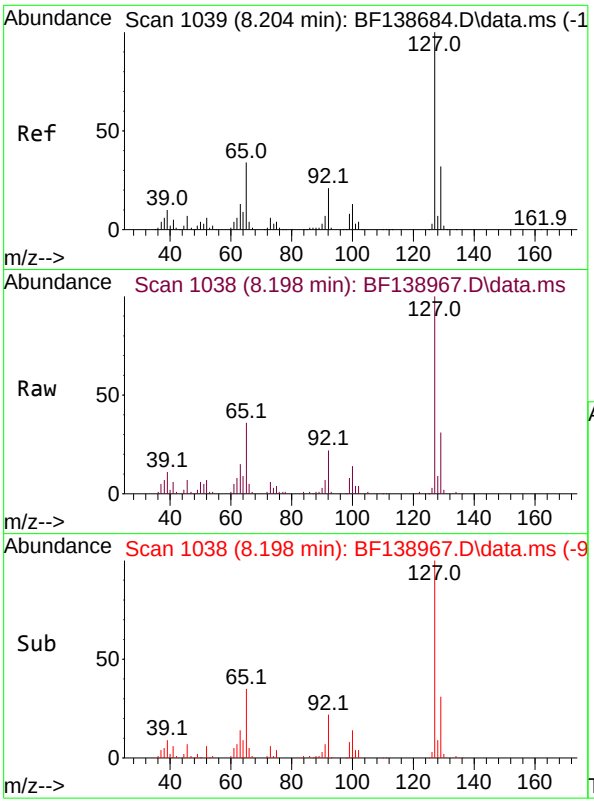


#32
Benzoic acid
Concen: 28.854 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.041 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:122 Resp: 51007

Ion	Ratio	Lower	Upper
122	100		
105	134.2	106.7	146.7
77	110.7	81.1	121.1

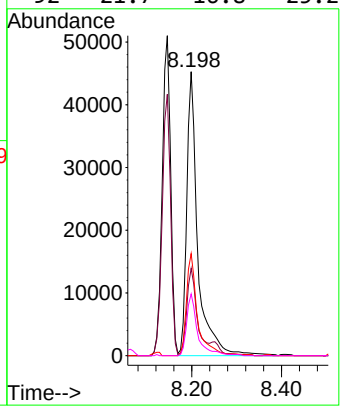




#33
4-Chloroaniline
Concen: 20.984 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:127 Resp: 7782

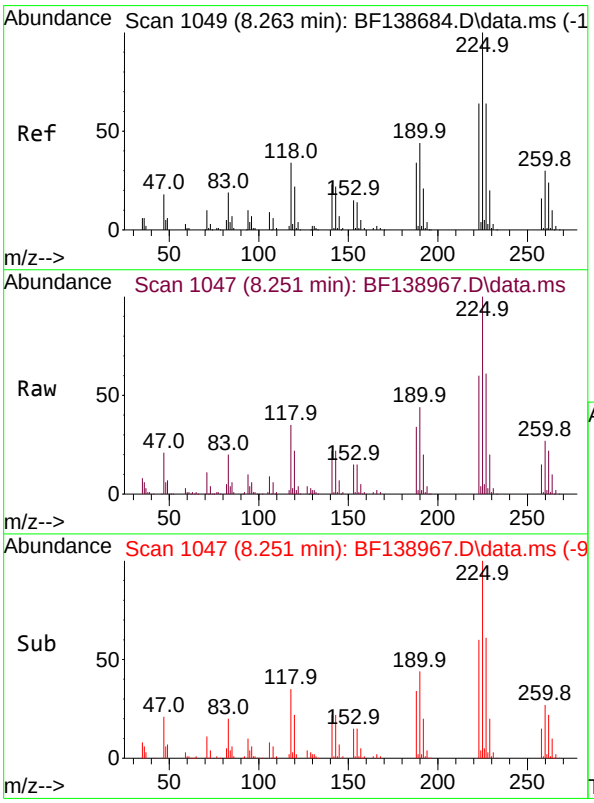
Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.9	38.9
65	36.0	27.6	41.4
92	21.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

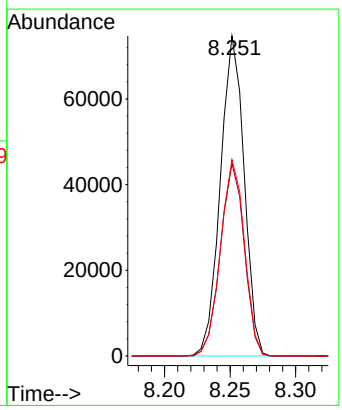
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

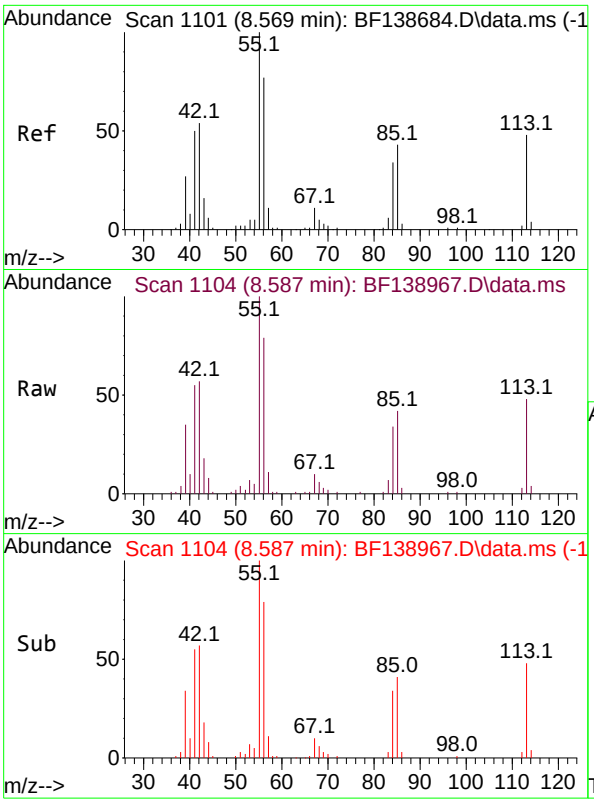


#34
Hexachlorobutadiene
Concen: 46.546 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:225 Resp: 94019

Ion	Ratio	Lower	Upper
225	100		
223	60.1	51.2	76.8
227	61.3	51.1	76.7

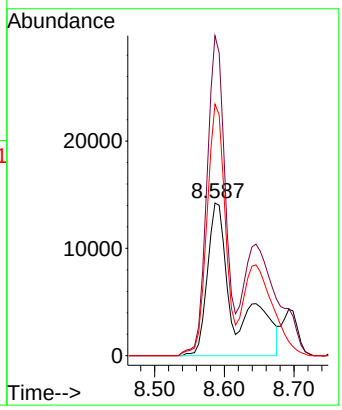




#35
Caprolactam
Concen: 45.723 ng m
RT: 8.587 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:113 Resp: 3942

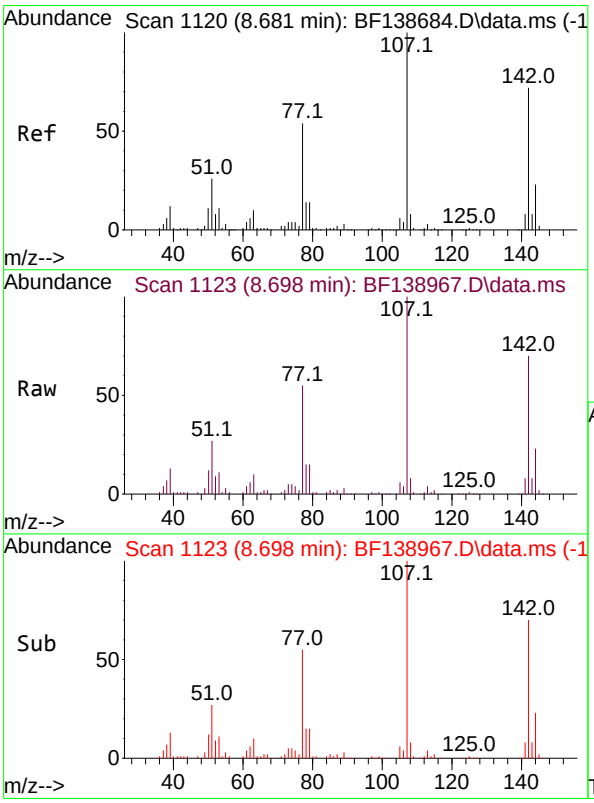
Ion	Ratio	Lower	Upper
113	100		
55	209.7	186.7	226.7
56	164.8	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

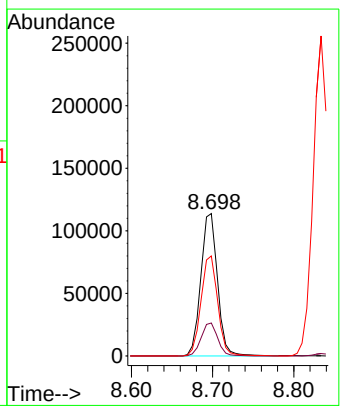
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

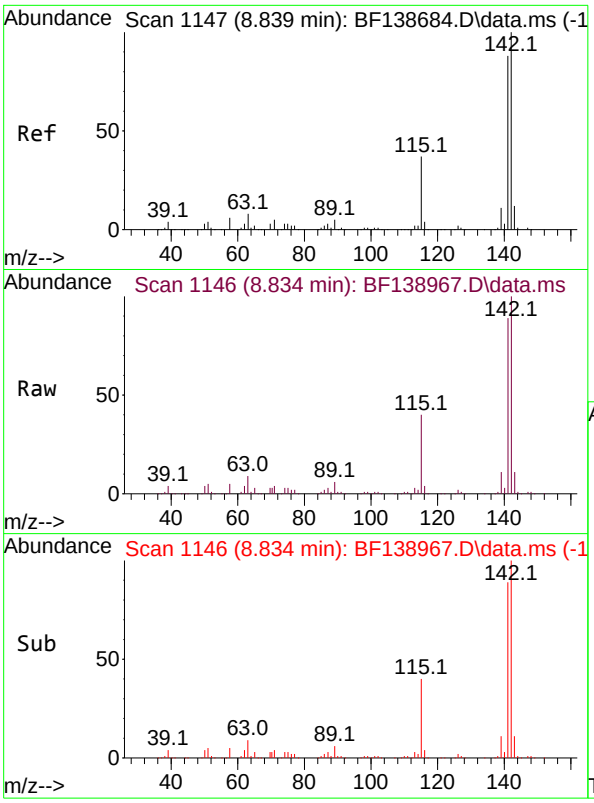


#36
4-Chloro-3-methylphenol
Concen: 49.153 ng
RT: 8.698 min Scan# 1123
Delta R.T. 0.018 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:107 Resp: 162332

Ion	Ratio	Lower	Upper
107	100		
144	23.2	18.2	27.2
142	70.2	57.4	86.2





#37
2-Methylnaphthalene
Concen: 46.851 ng
RT: 8.834 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

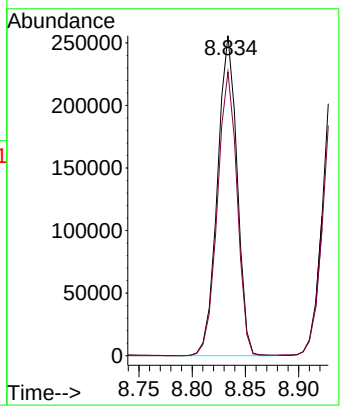
Tgt Ion:142 Resp: 32692

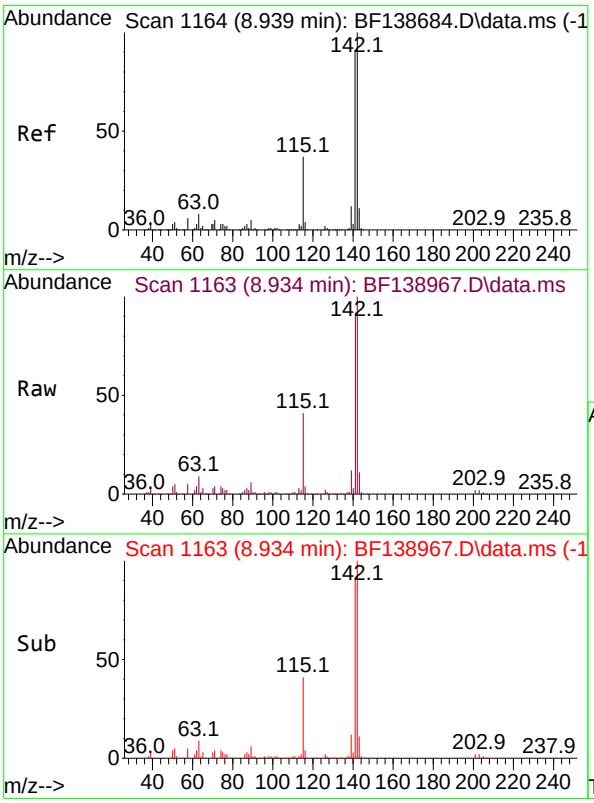
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

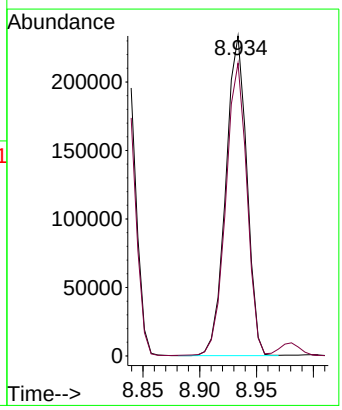


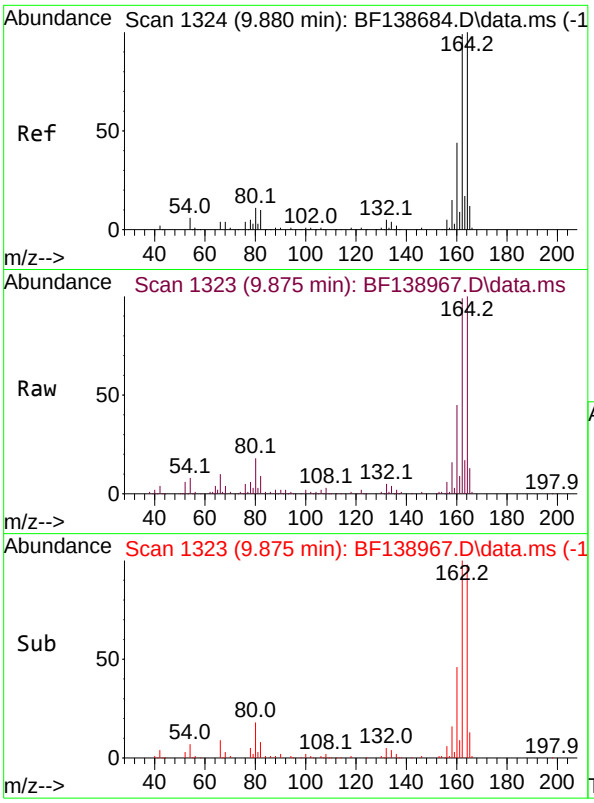


#38
1-Methylnaphthalene
Concen: 44.090 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:142 Resp: 301477

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.1	109.7

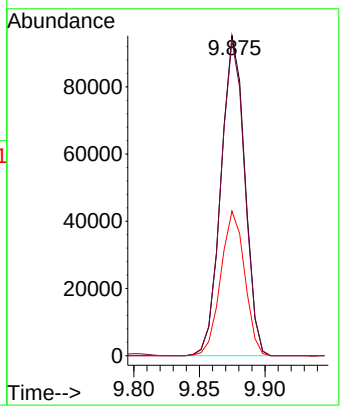




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:164 Resp: 12022

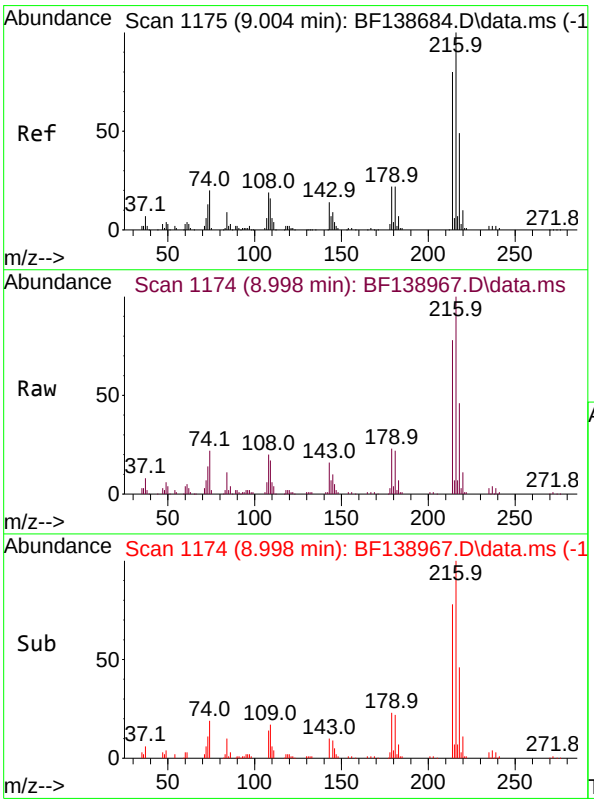
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	45.2	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

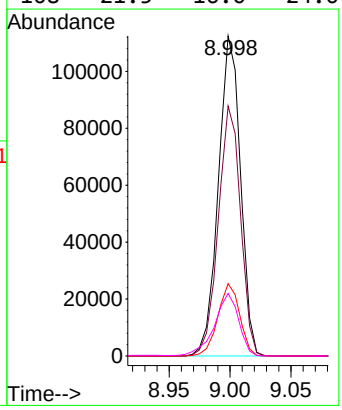
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

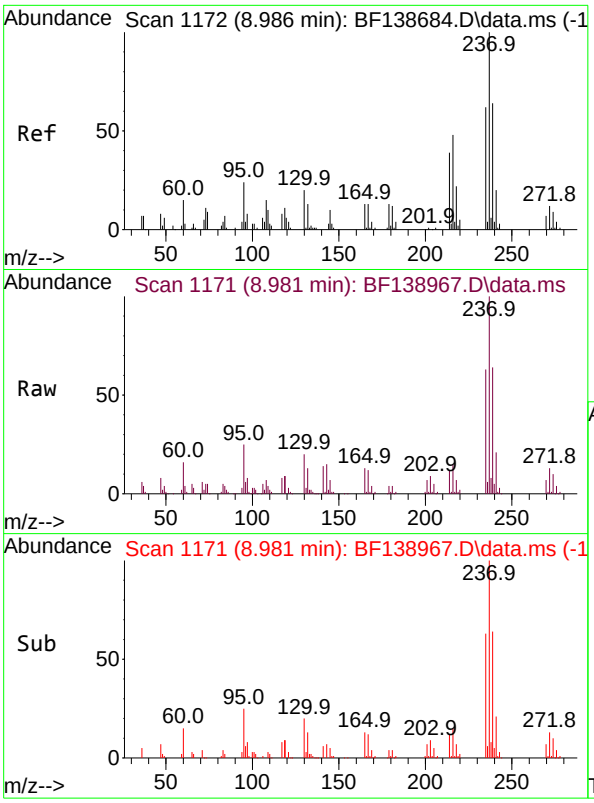


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.572 ng
RT: 8.998 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:216 Resp: 142180

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.9	95.9
179	22.3	17.8	26.6
108	21.5	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 94.533 ng
RT: 8.981 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

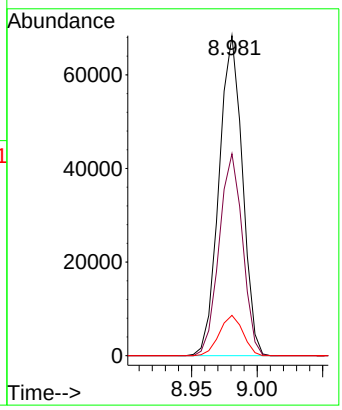
Instrument :
BNA_F
ClientSampleId :
PB162520BS

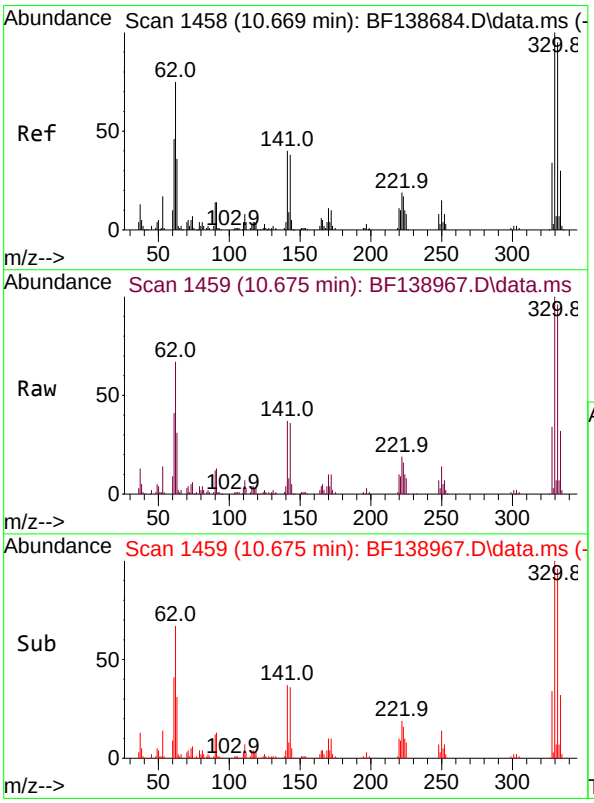
Tgt Ion:237 Resp: 8479

Ion	Ratio	Lower	Upper
237	100		
235	63.1	41.8	81.8
272	12.6	0.0	32.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

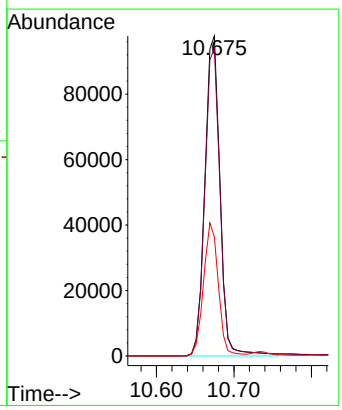


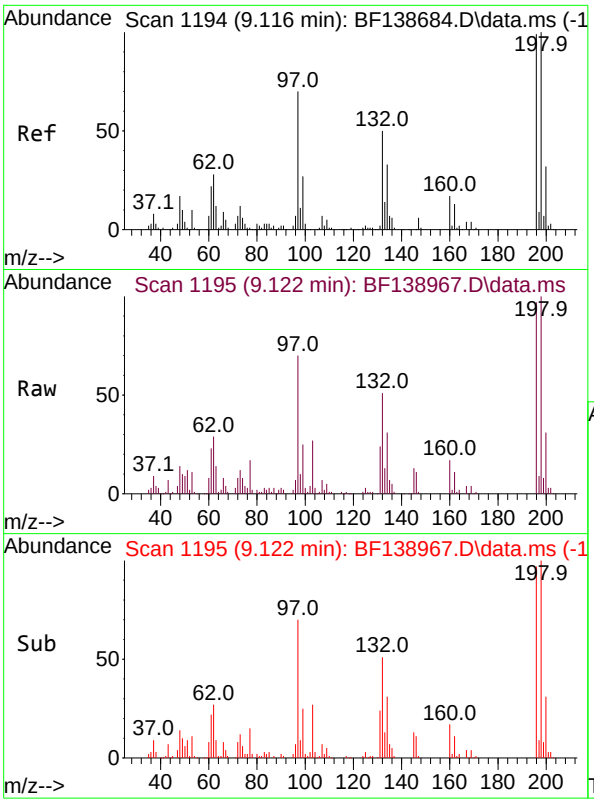


#42
2,4,6-Tribromophenol
Concen: 135.265 ng
RT: 10.675 min Scan# 1459
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:330 Resp: 133213

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.4	114.6
141	40.6	31.1	46.7

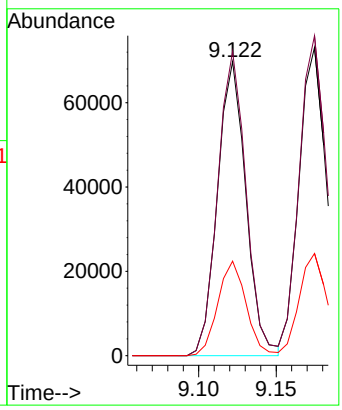




#43
2,4,6-Trichlorophenol
Concen: 43.746 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:196 Resp: 8908

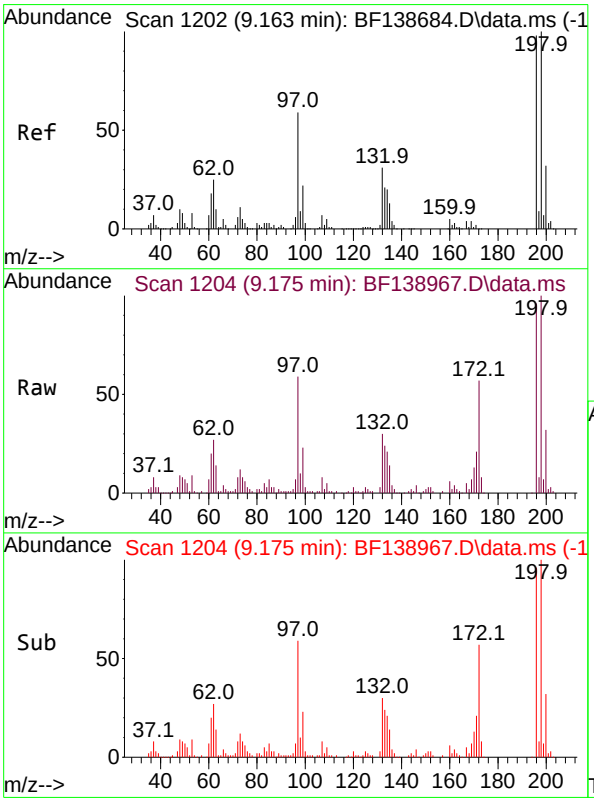
Ion	Ratio	Lower	Upper
196	100		
198	103.5	80.5	120.7
200	32.2	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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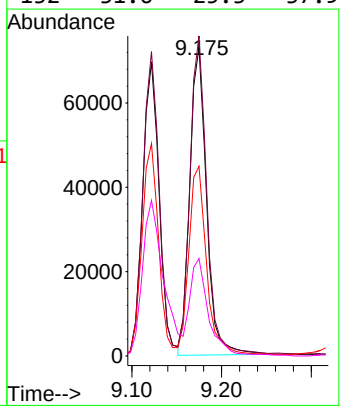
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

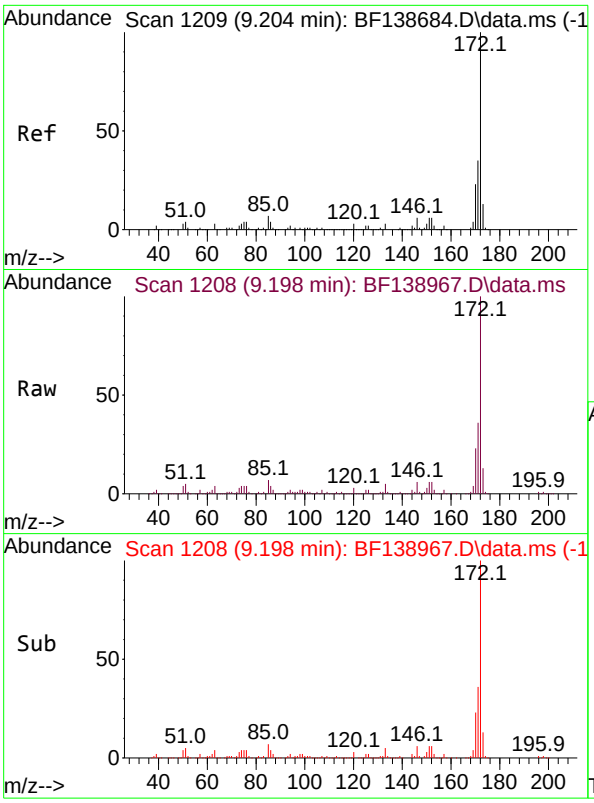


#44
2,4,5-Trichlorophenol
Concen: 42.536 ng
RT: 9.175 min Scan# 1204
Delta R.T. 0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:196 Resp: 94690

Ion	Ratio	Lower	Upper
196	100		
198	103.8	81.2	121.8
97	61.5	47.8	71.6
132	31.6	25.3	37.9

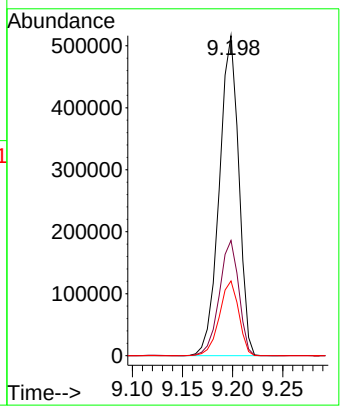




#45
2-Fluorobiphenyl
Concen: 86.858 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:172 Resp: 69503

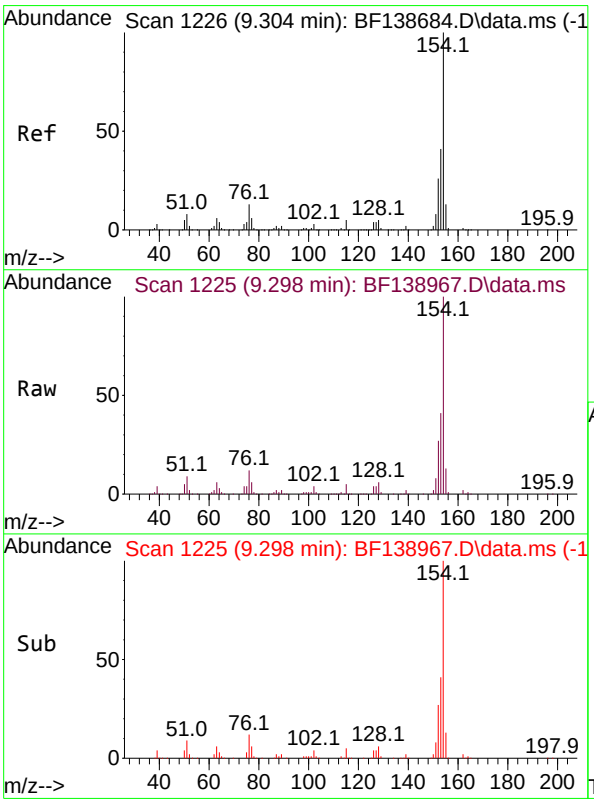
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.3	42.5
170	23.4	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

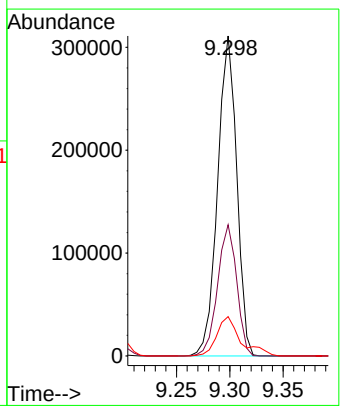
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

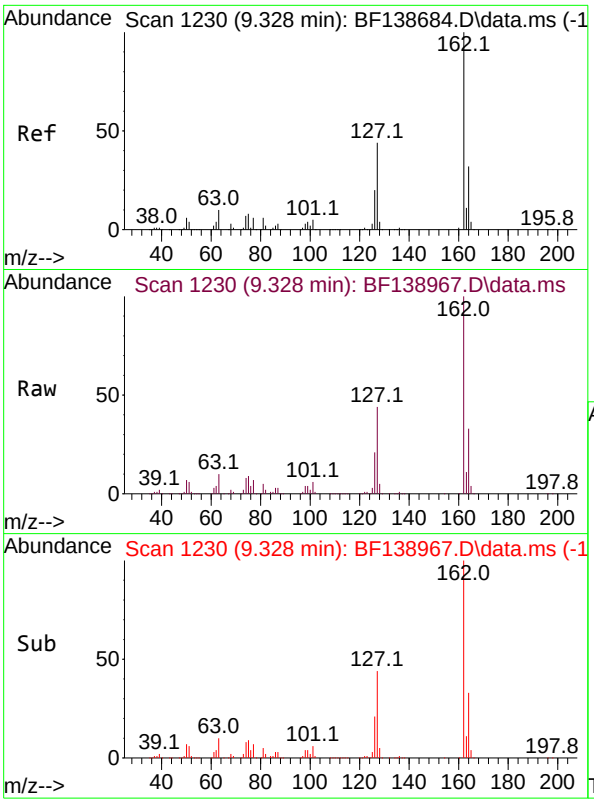


#46
1,1'-Biphenyl
Concen: 41.093 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:154 Resp: 386938

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.8	60.8
76	12.3	0.0	32.8

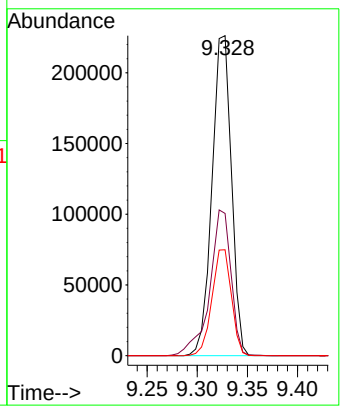




#47
2-Chloronaphthalene
Concen: 43.503 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:162 Resp: 30465

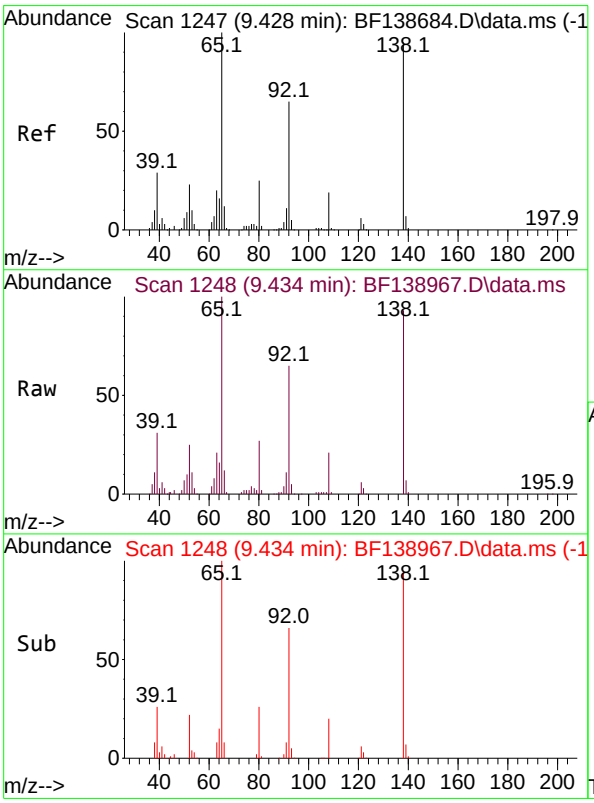
Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.4	53.2
164	33.1	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

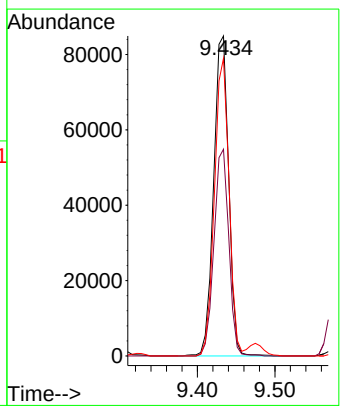
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

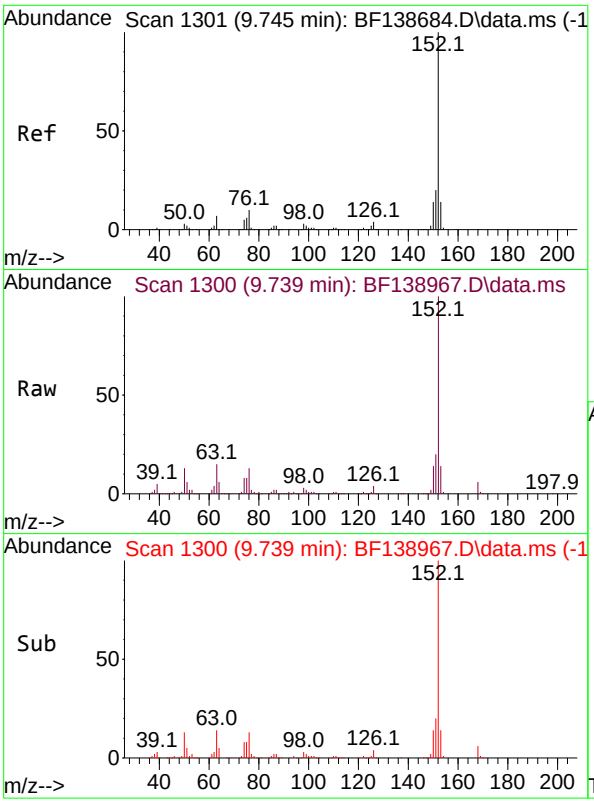


#48
2-Nitroaniline
Concen: 48.095 ng
RT: 9.434 min Scan# 1248
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion: 65 Resp: 114184

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.0	78.0
138	93.0	76.2	114.4

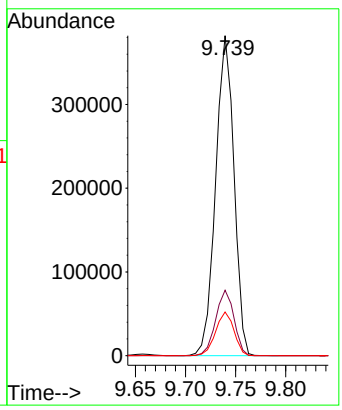




#49
Acenaphthylene
Concen: 48.886 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:152 Resp: 48555

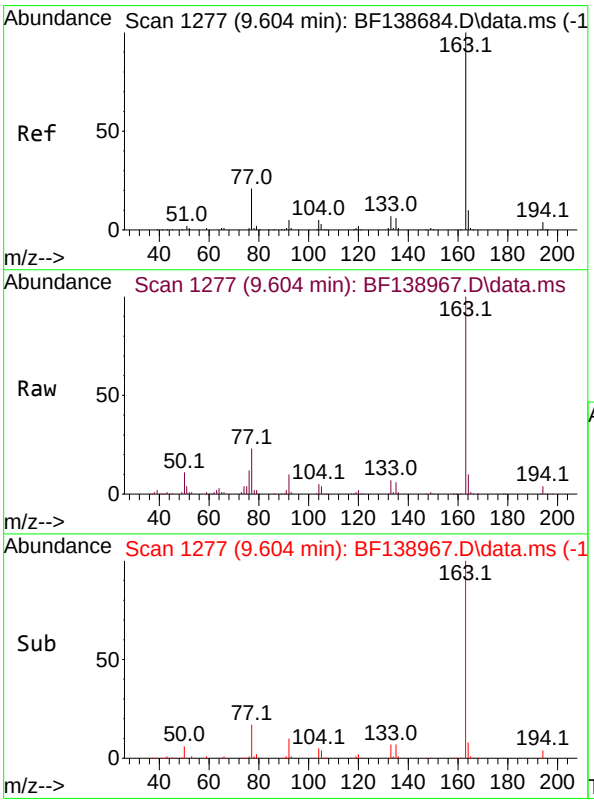
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

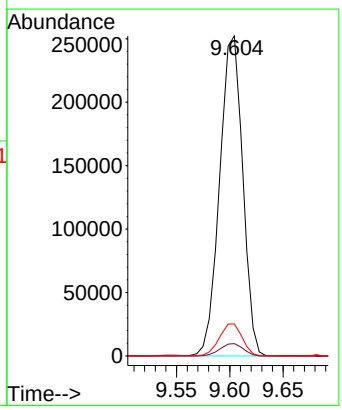
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

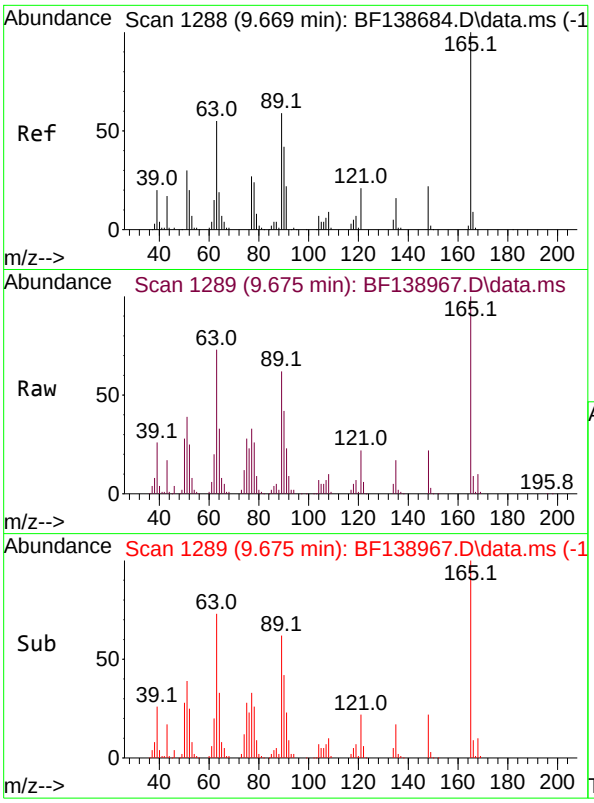


#50
Dimethylphthalate
Concen: 49.384 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:163 Resp: 379639

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.0	7.8	11.8

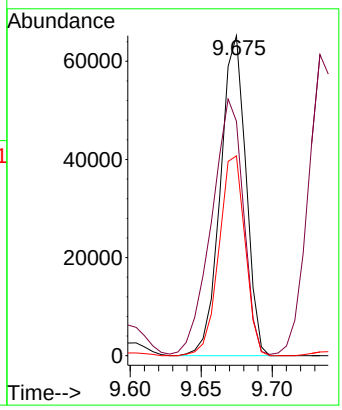




#51
2,6-Dinitrotoluene
Concen: 46.823 ng
RT: 9.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:165 Resp: 8123

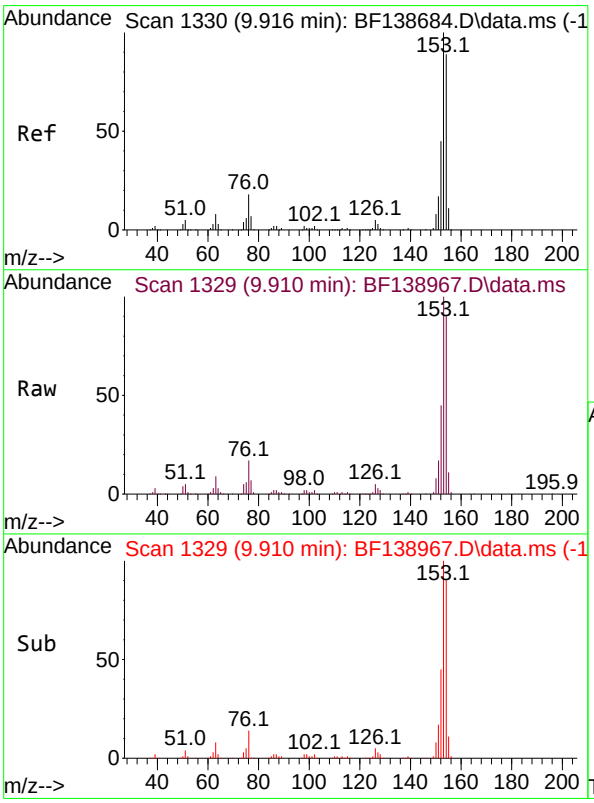
Ion	Ratio	Lower	Upper
165	100		
63	73.2	52.0	78.0
89	62.5	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

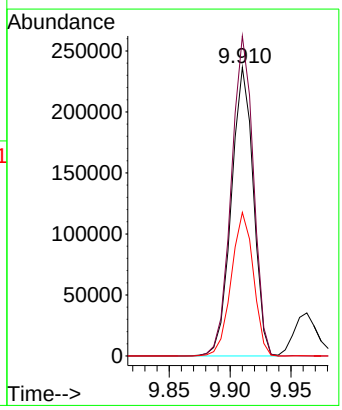
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

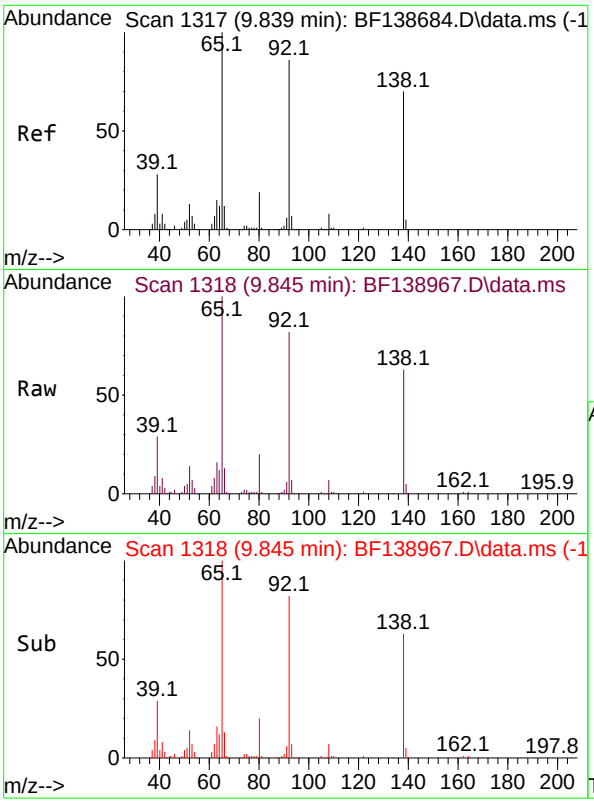


#52
Acenaphthene
Concen: 44.609 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:154 Resp: 297840

Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.9	134.9
152	49.7	40.6	60.8





#53
3-Nitroaniline
Concen: 31.047 ng
RT: 9.845 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

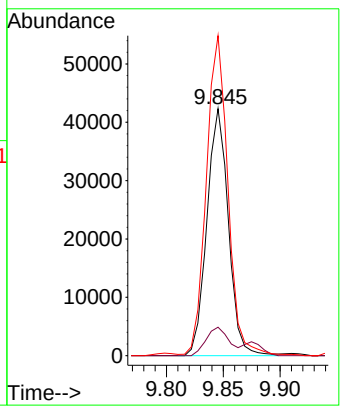
Tgt Ion:138 Resp: 5568

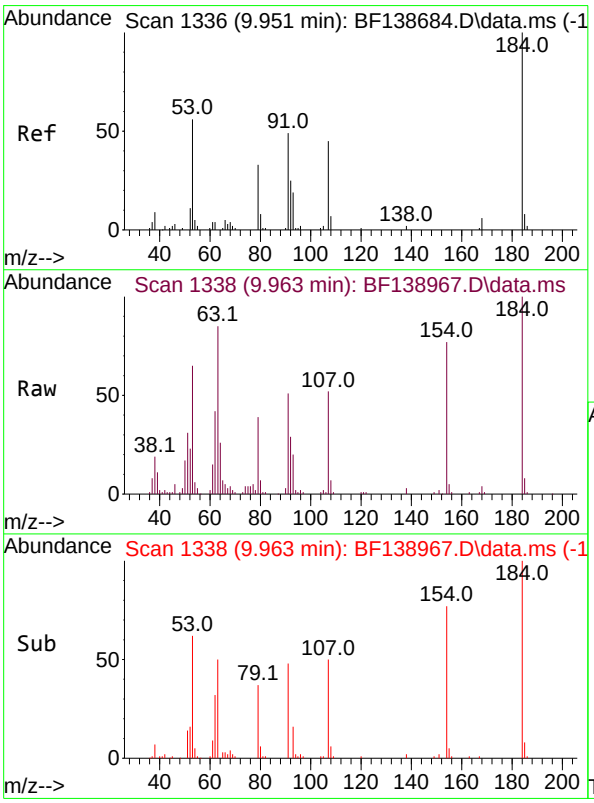
Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.1	13.7
92	129.5	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

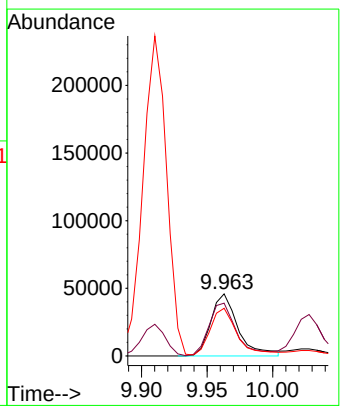


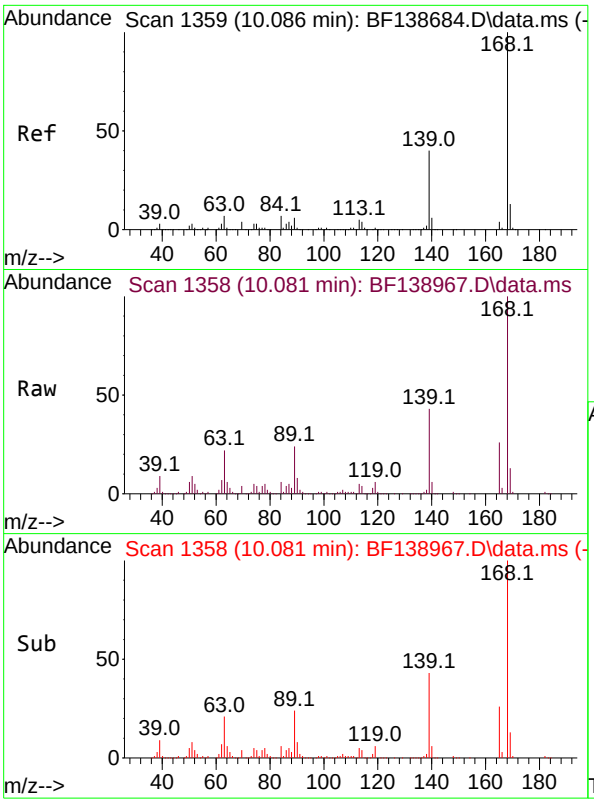


#54
2,4-Dinitrophenol
Concen: 83.055 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:184 Resp: 66332

Ion	Ratio	Lower	Upper
184	100		
63	85.1	57.5	86.3
154	76.8	51.7	77.5

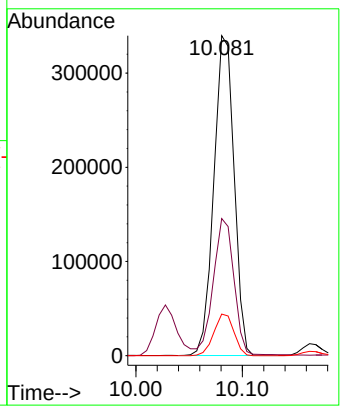




#55
Dibenzofuran
Concen: 47.471 ng
RT: 10.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:168 Resp: 44740

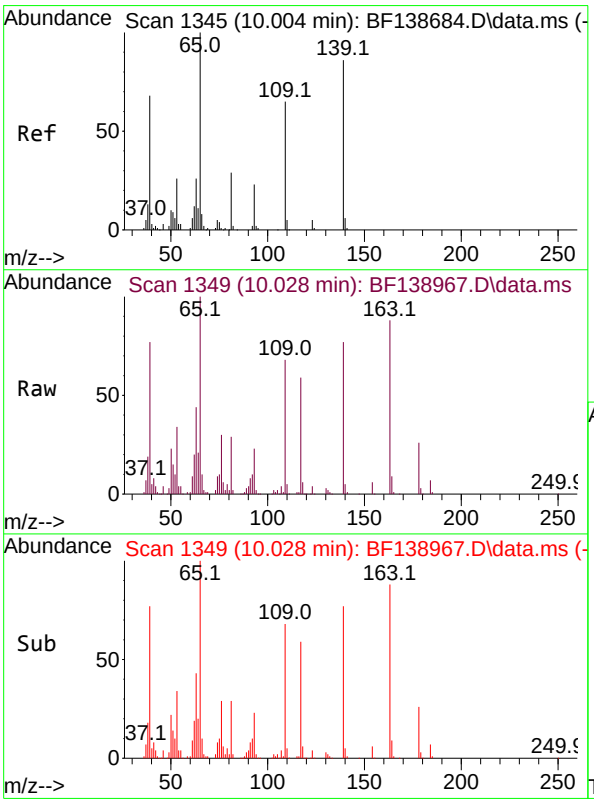
Ion	Ratio	Lower	Upper
168	100		
139	42.8	32.6	49.0
169	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

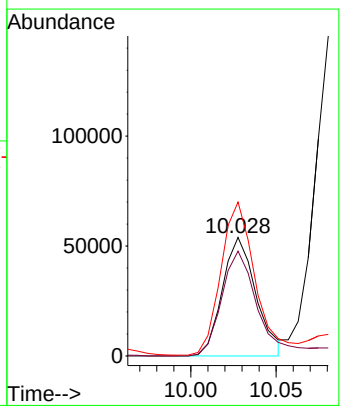
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

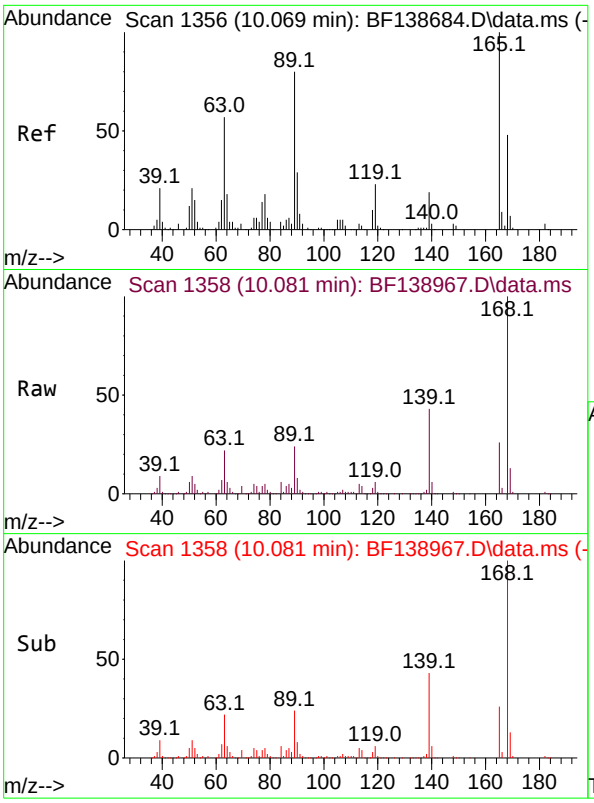


#56
4-Nitrophenol
Concen: 68.714 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.024 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:139 Resp: 74111

Ion	Ratio	Lower	Upper
139	100		
109	88.5	55.5	95.5
65	129.9	96.7	136.7

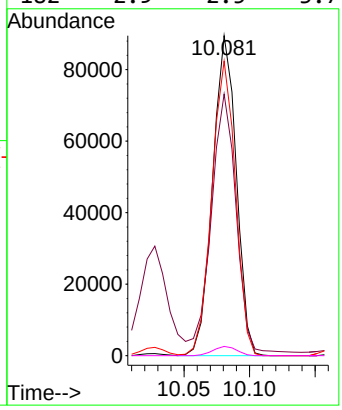




#57
2,4-Dinitrotoluene
Concen: 50.645 ng
RT: 10.081 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:165 Resp: 11210

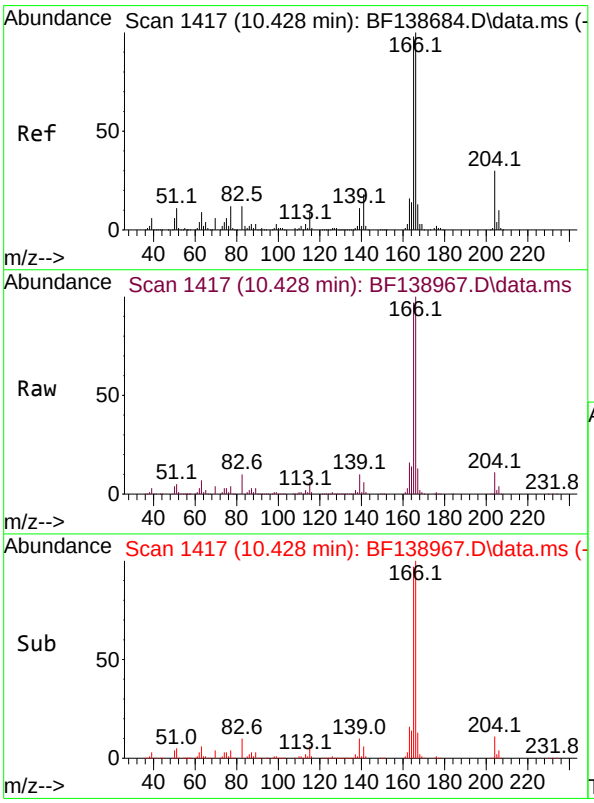
Ion	Ratio	Lower	Upper
165	100		
63	81.7	46.3	69.5
89	92.0	64.2	96.4
182	2.9	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

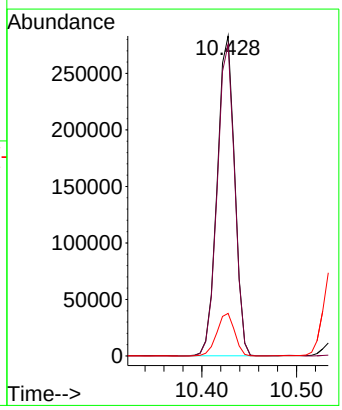
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

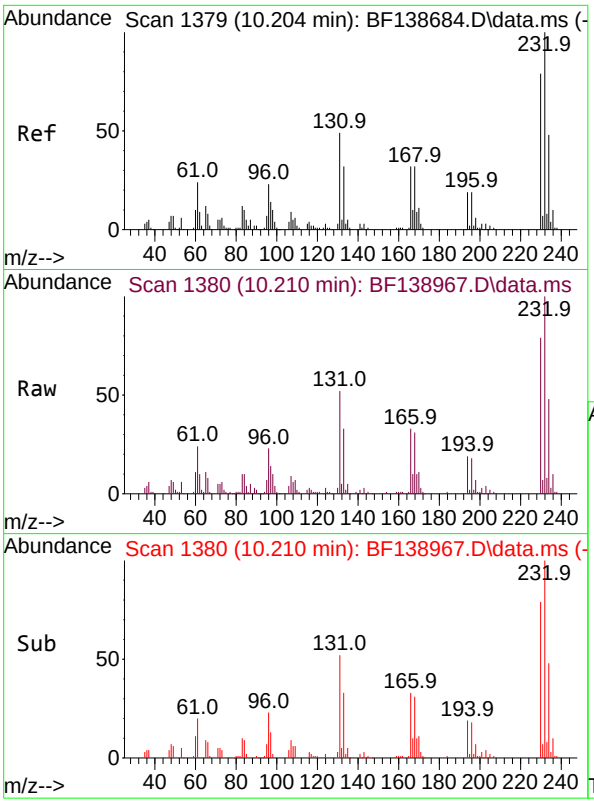


#58
Fluorene
Concen: 48.289 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:166 Resp: 362427

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.4	117.6
167	13.3	10.6	16.0

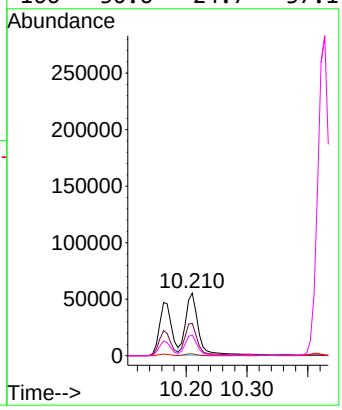




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.541 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:232 Resp: 8091

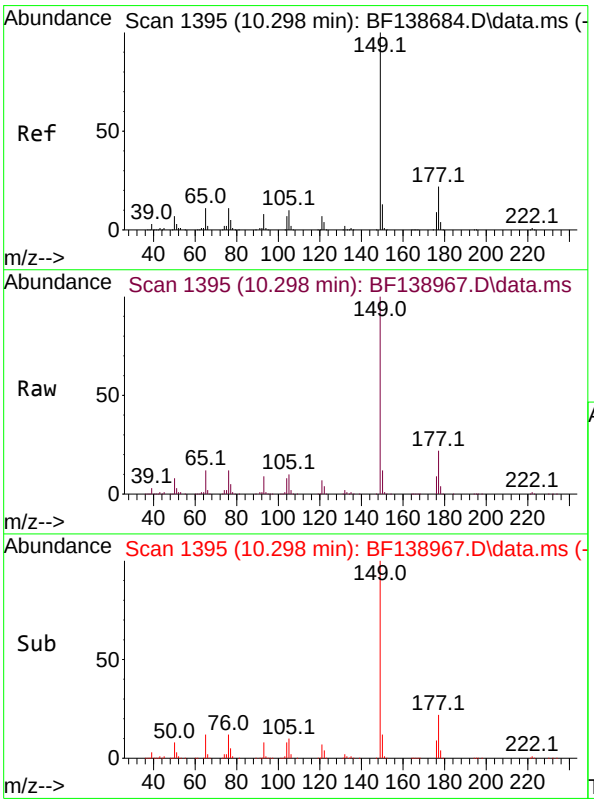
Ion	Ratio	Lower	Upper
232	100		
131	52.4	37.0	55.4
130	2.8	2.0	3.0
166	30.6	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

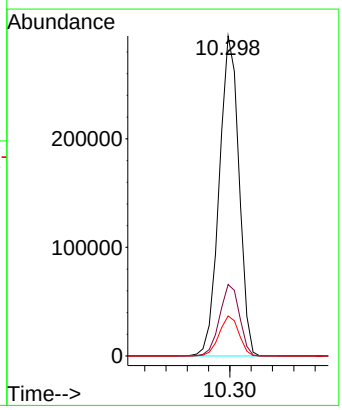
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

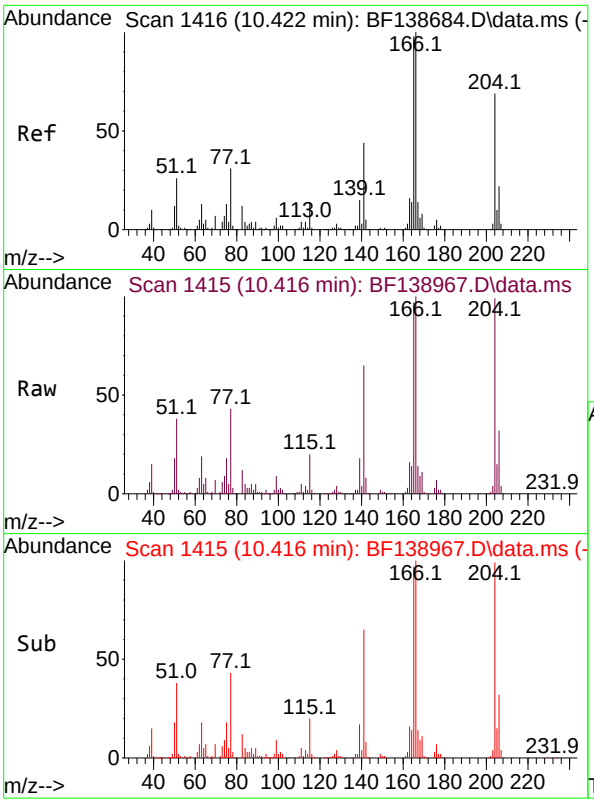


#60
Diethylphthalate
Concen: 51.936 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:149 Resp: 378567

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 48.675 ng
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

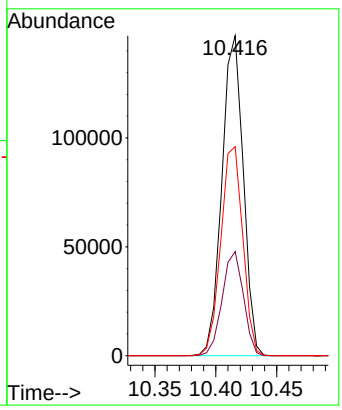
Instrument :
BNA_F
ClientSampleId :
PB162520BS

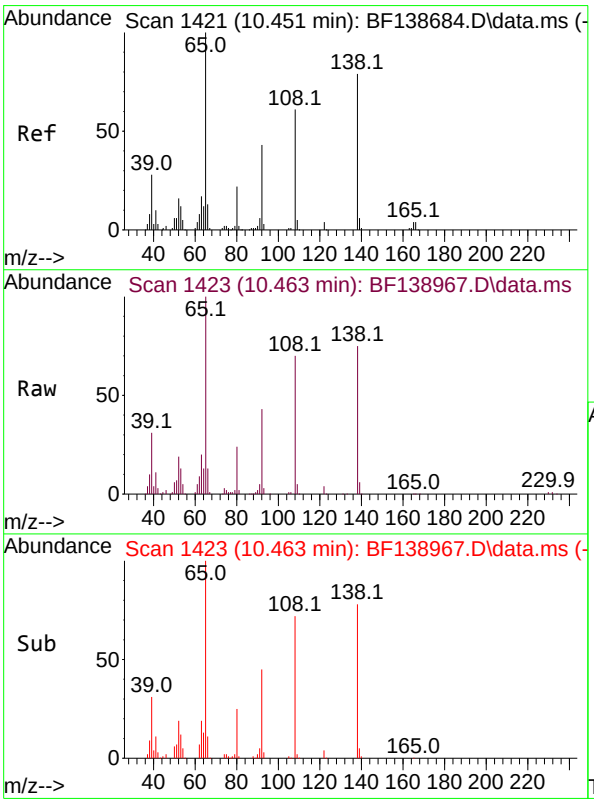
Tgt Ion:204 Resp: 17967

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.1	39.1
141	65.4	51.4	77.0

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

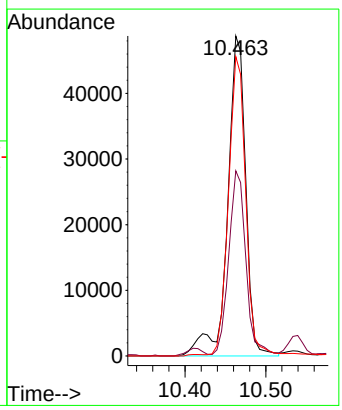


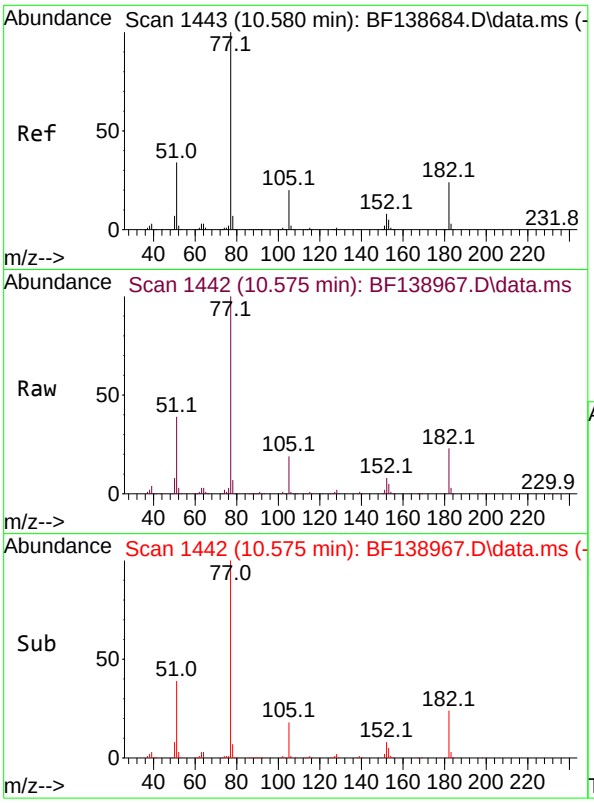


#62
4-Nitroaniline
Concen: 44.599 ng m
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:138 Resp: 76015

Ion	Ratio	Lower	Upper
138	100		
92	57.8	34.2	74.2
108	93.6	56.2	96.2





#63
Azobenzene
Concen: 48.950 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

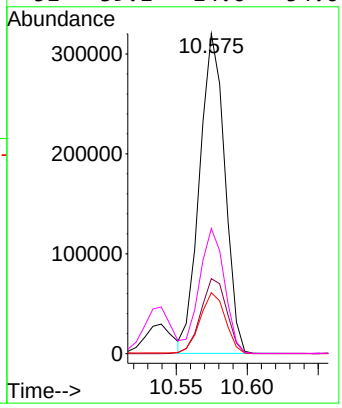
Instrument :
BNA_F
ClientSampleId :
PB162520BS

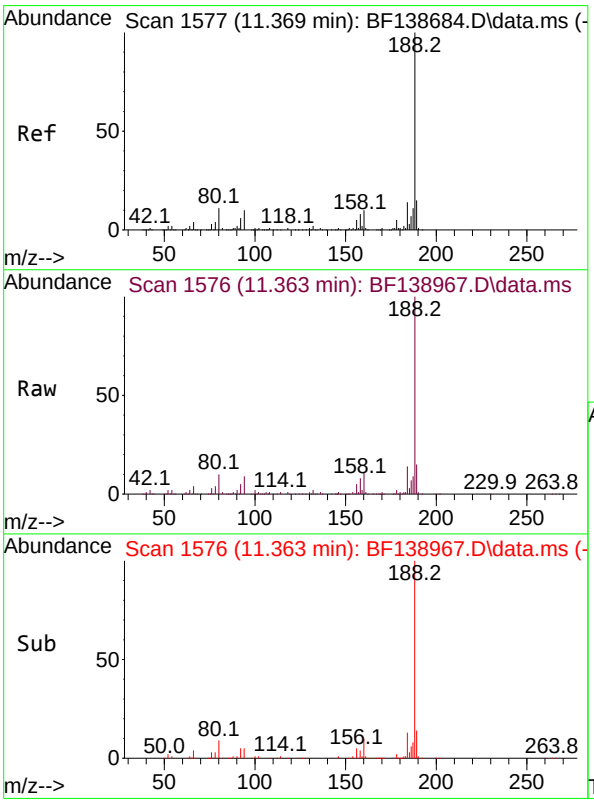
Tgt Ion: 77 Resp: 39573

Ion	Ratio	Lower	Upper
77	100		
182	23.5	3.4	43.4
105	19.0	0.2	40.2
51	39.1	14.6	54.6

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

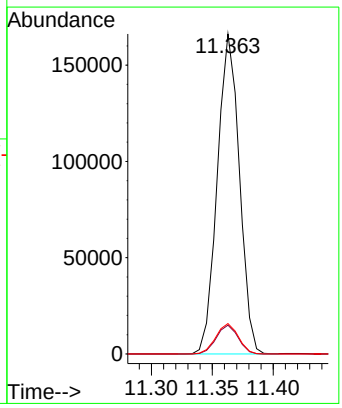


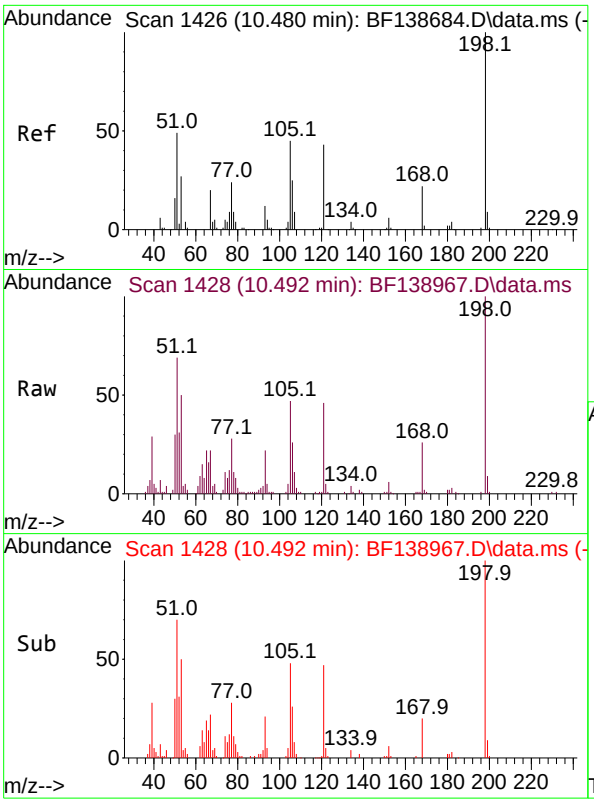


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:188 Resp: 210367

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.6	11.4
80	9.5	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 46.070 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

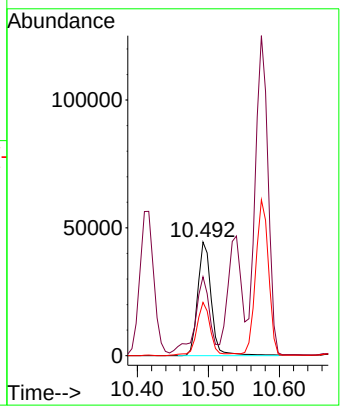
Tgt Ion:198 Resp: 5912

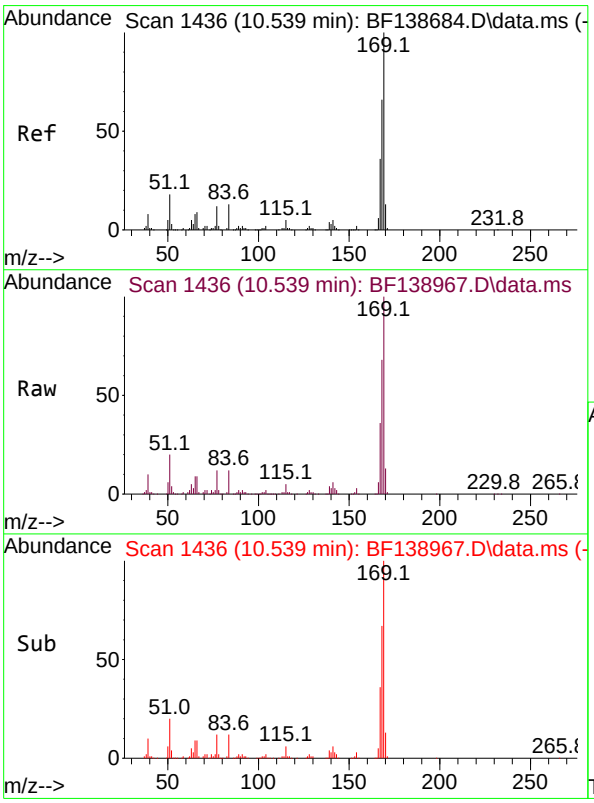
Ion	Ratio	Lower	Upper
198	100		
51	69.4	39.9	79.9
105	46.9	26.1	66.1

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

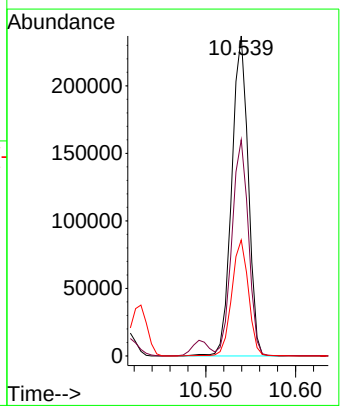


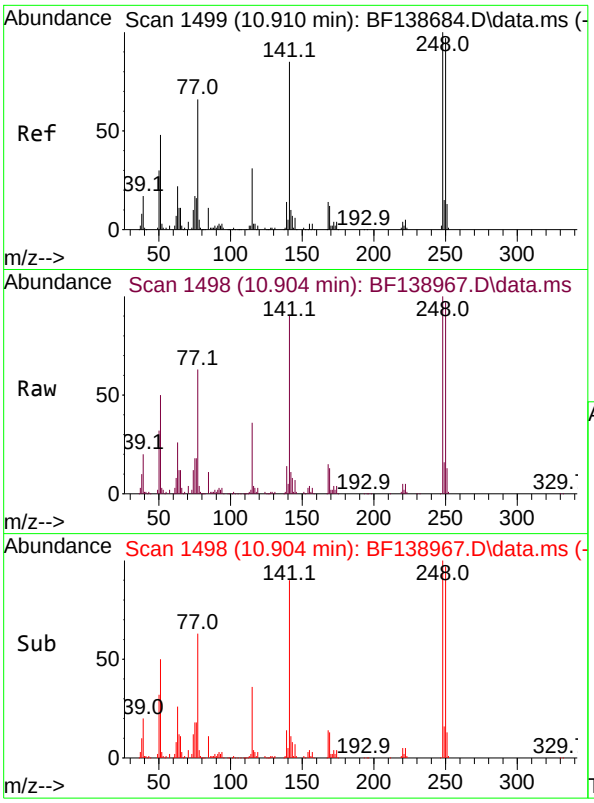


#66
n-Nitrosodiphenylamine
Concen: 45.998 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:169 Resp: 302467

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.0	79.6
167	36.2	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 45.106 ng
RT: 10.904 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

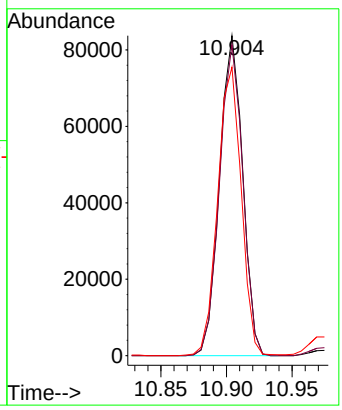
Tgt Ion:248 Resp: 10273

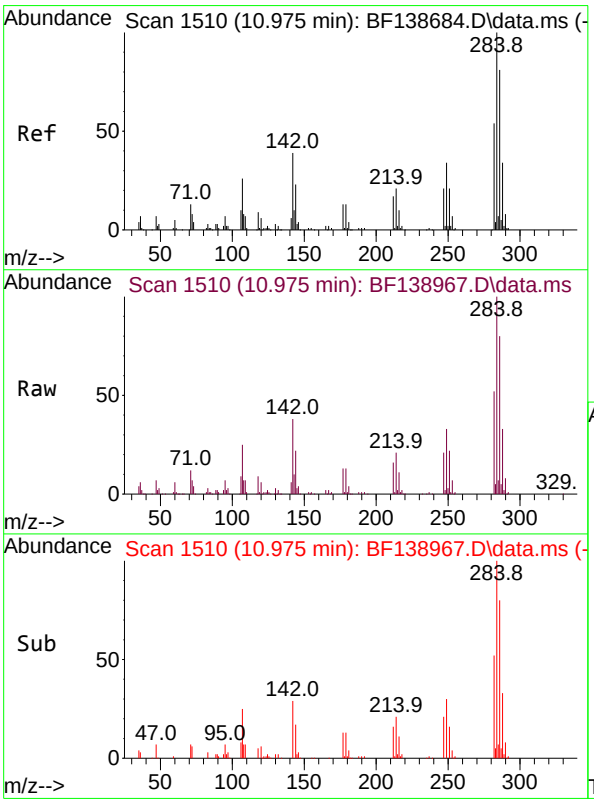
Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.7	116.5
141	90.1	68.0	102.0

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

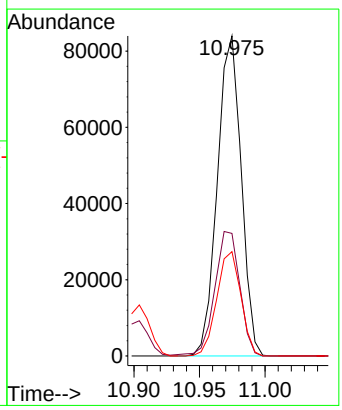


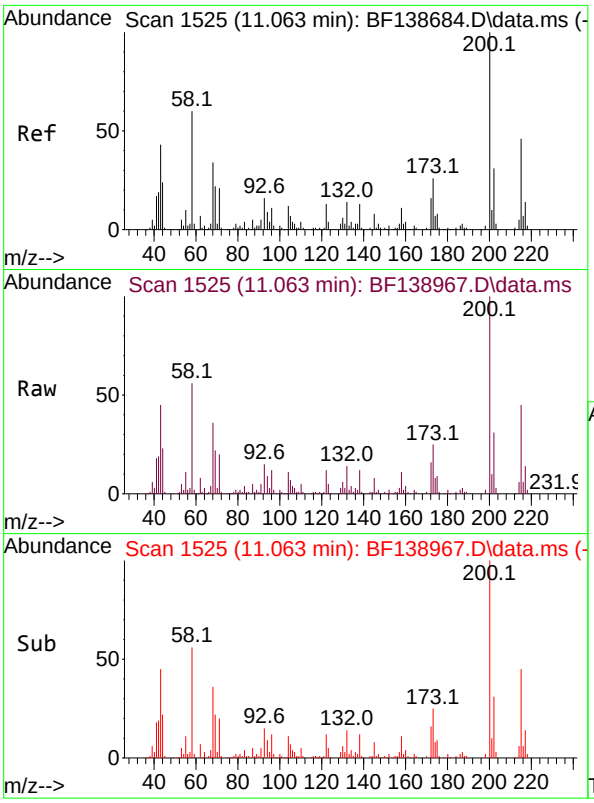


#68
Hexachlorobenzene
Concen: 45.150 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:284 Resp: 106177

Ion	Ratio	Lower	Upper
284	100		
142	38.3	31.3	46.9
249	32.6	27.2	40.8

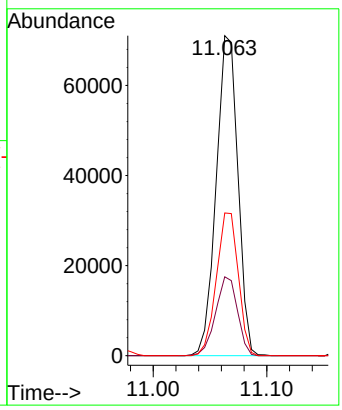




#69
Atrazine
Concen: 55.641 ng
RT: 11.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:200 Resp: 9439

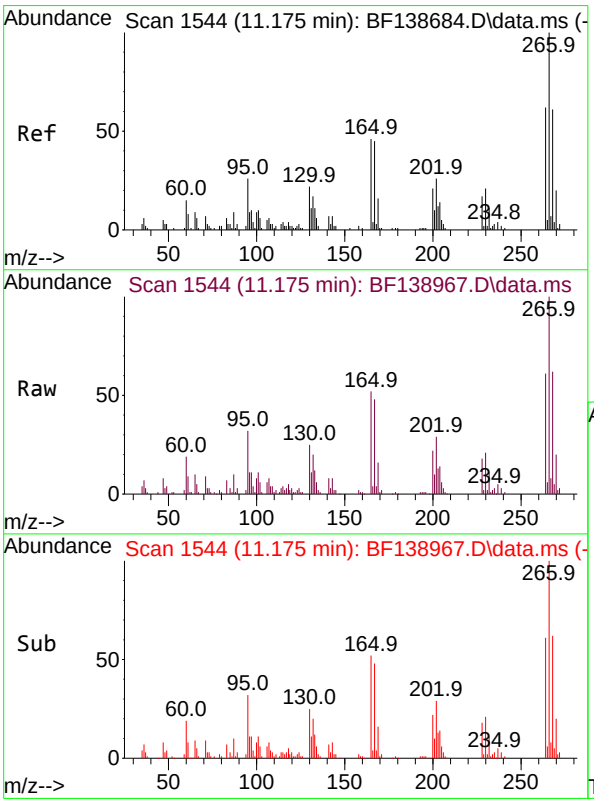
Ion	Ratio	Lower	Upper
200	100		
173	24.7	6.0	46.0
215	44.6	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

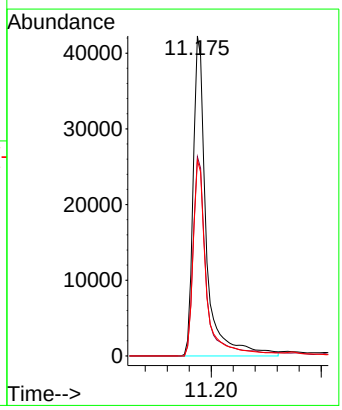
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

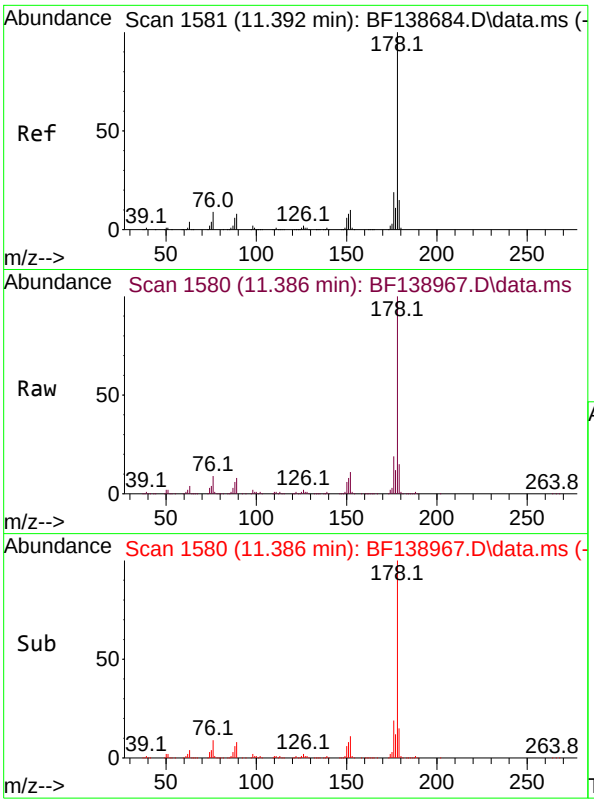


#70
Pentachlorophenol
Concen: 66.267 ng
RT: 11.175 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:266 Resp: 70243

Ion	Ratio	Lower	Upper
266	100		
268	62.2	49.2	73.8
264	61.1	49.8	74.6

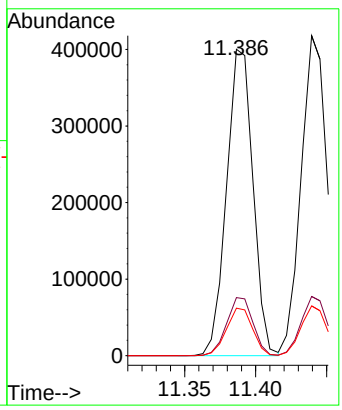




#71
Phenanthrene
Concen: 47.832 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:178 Resp: 51812

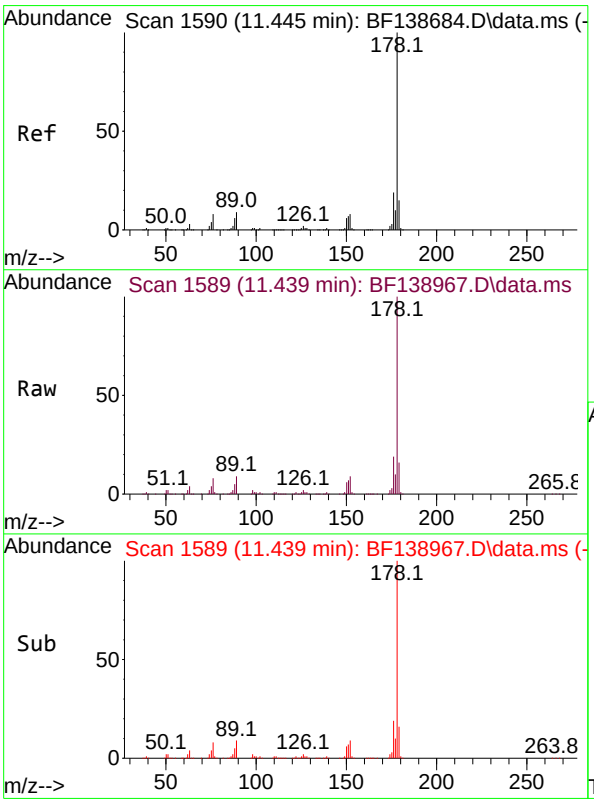
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.5	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

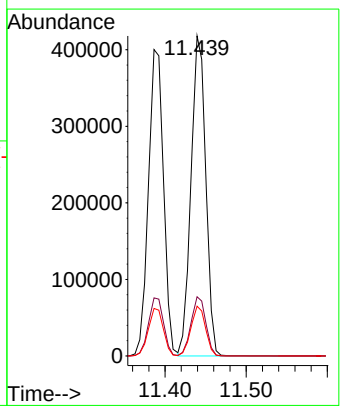
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

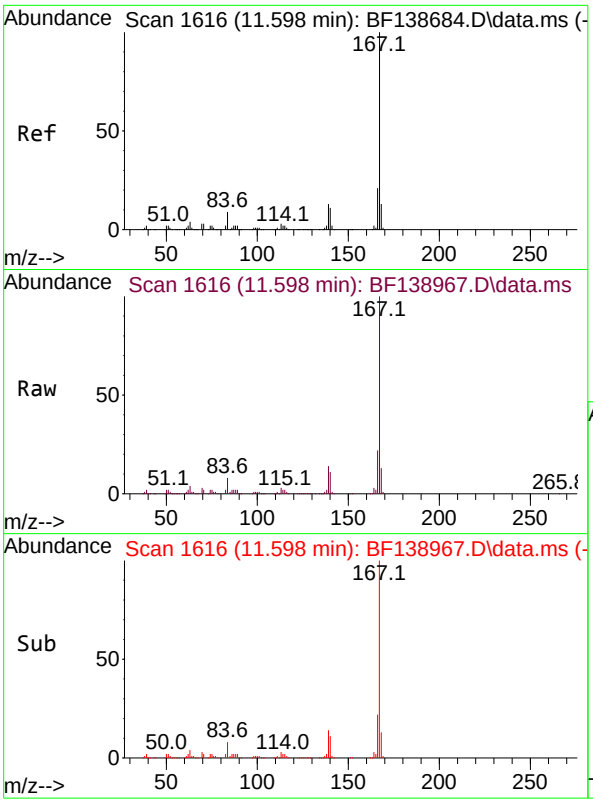


#72
Anthracene
Concen: 49.622 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:178 Resp: 529525

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.5	12.4	18.6





#73
Carbazole
Concen: 47.372 ng
RT: 11.598 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

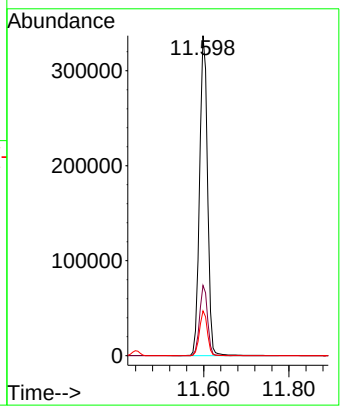
Tgt Ion:167 Resp: 43613

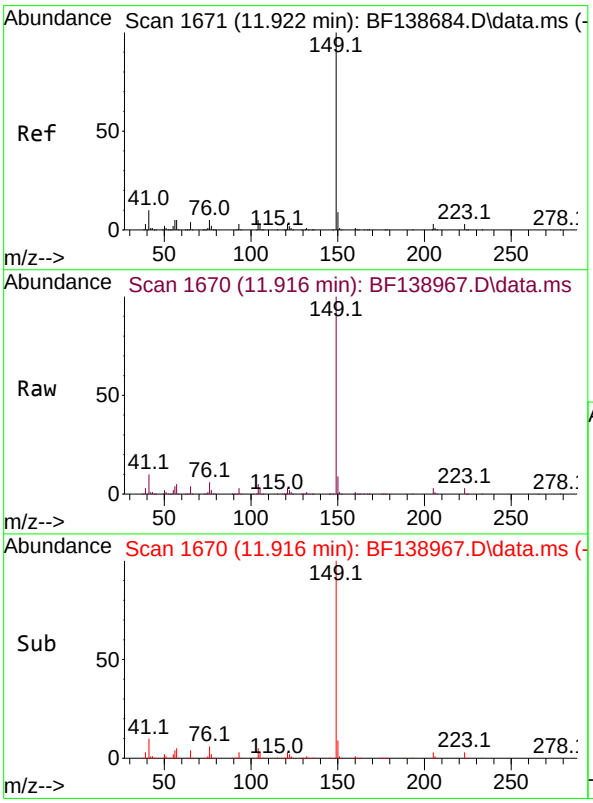
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.2	25.8
139	14.0	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

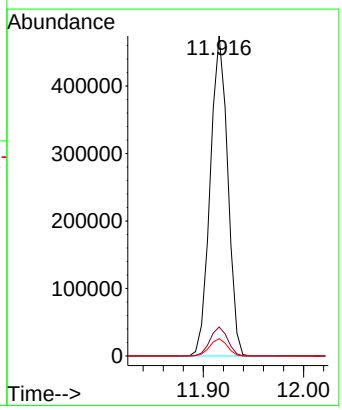


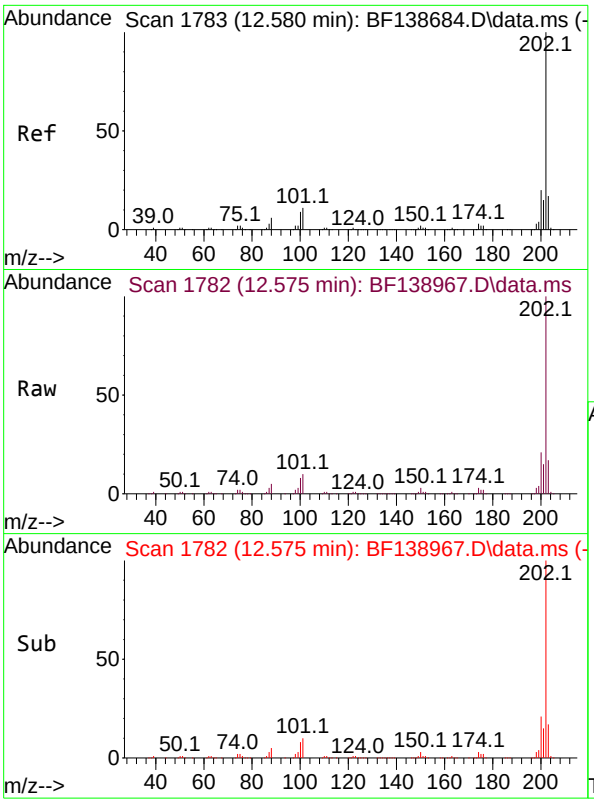


#74
Di-n-butylphthalate
Concen: 55.698 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:149 Resp: 576456

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.4	4.1	6.1

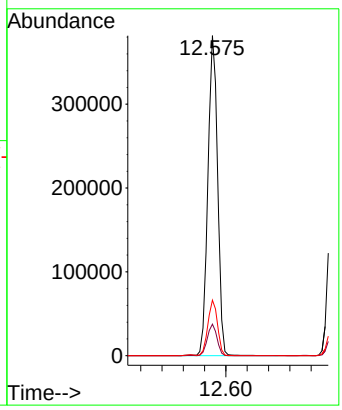




#75
Fluoranthene
Concen: 47.662 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:202 Resp: 48198

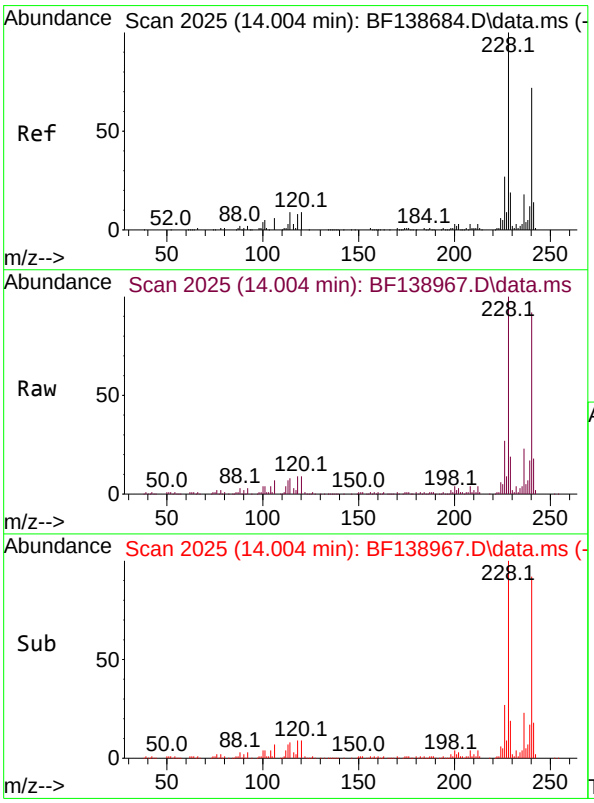
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.2
203	17.4	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

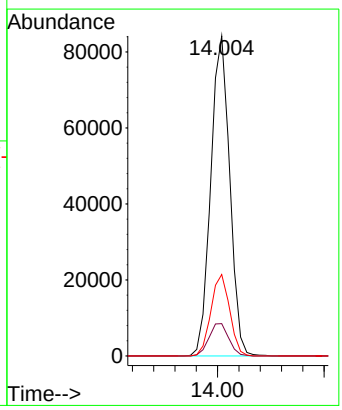
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

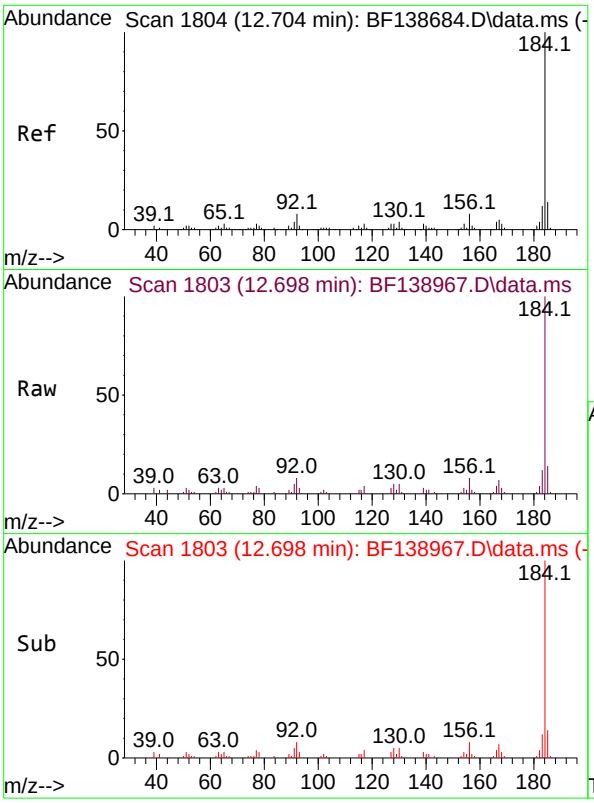


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:240 Resp: 104150

Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.2	15.4#
236	25.5	19.8	29.8

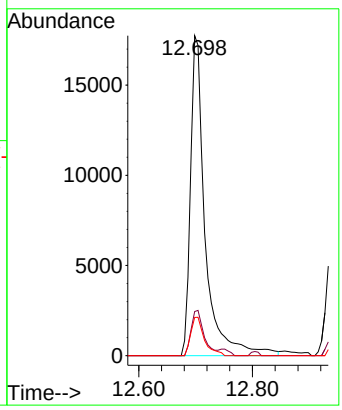




#77
Benzidine
Concen: 12.848 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:184 Resp: 3200

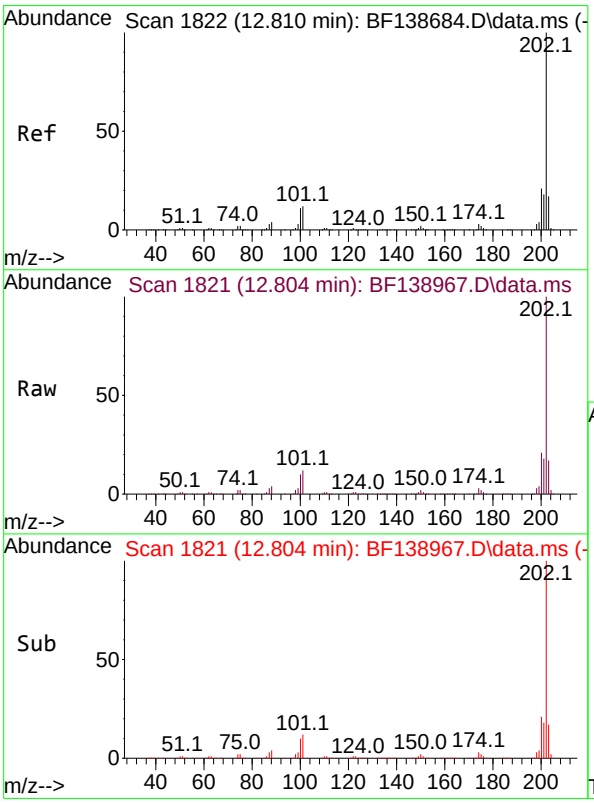
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.1	16.7
183	11.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

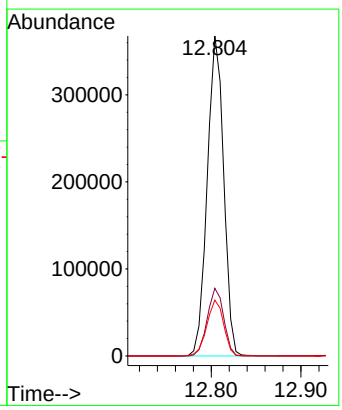
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

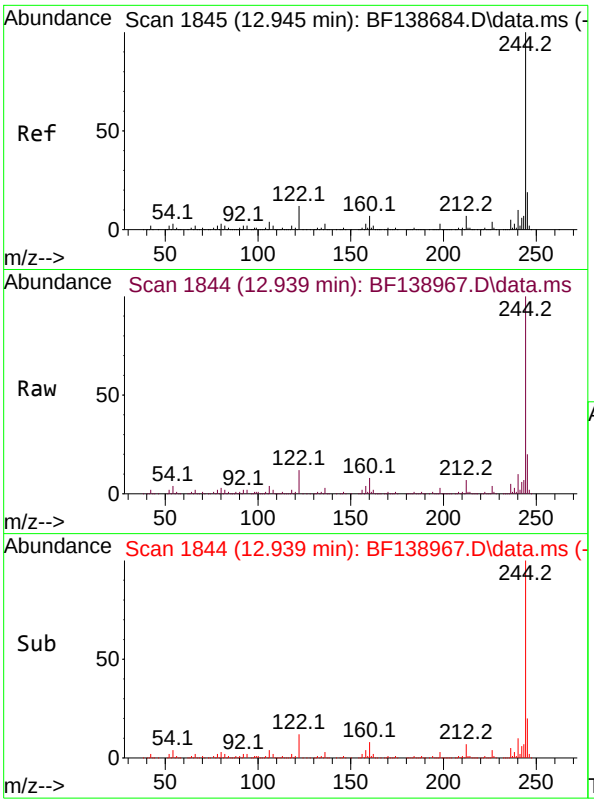


#78
Pyrene
Concen: 47.715 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:202 Resp: 467899

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	13.8	20.6

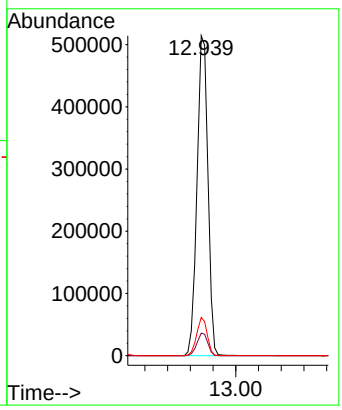




#79
Terphenyl-d14
Concen: 110.591 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:244 Resp: 68794

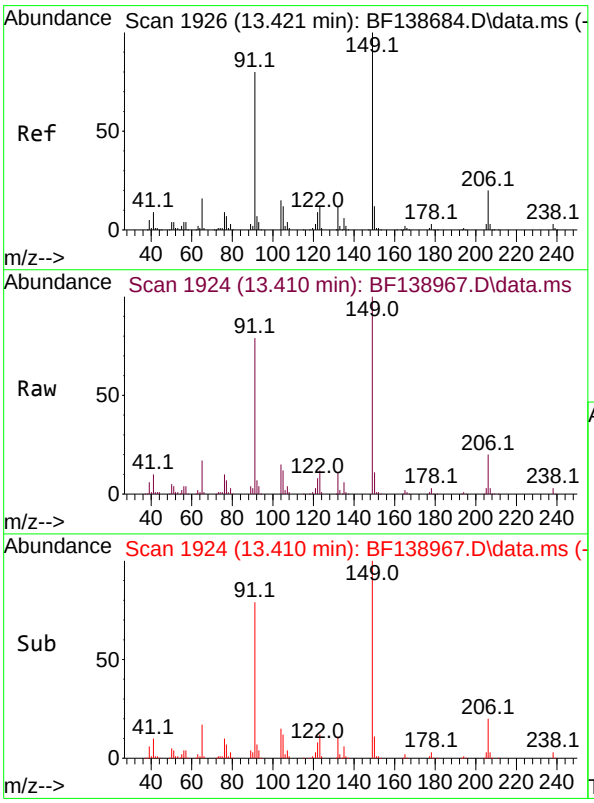
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	11.9	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

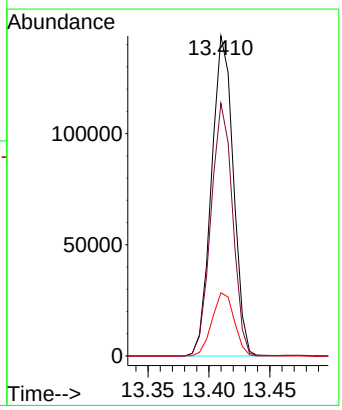
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

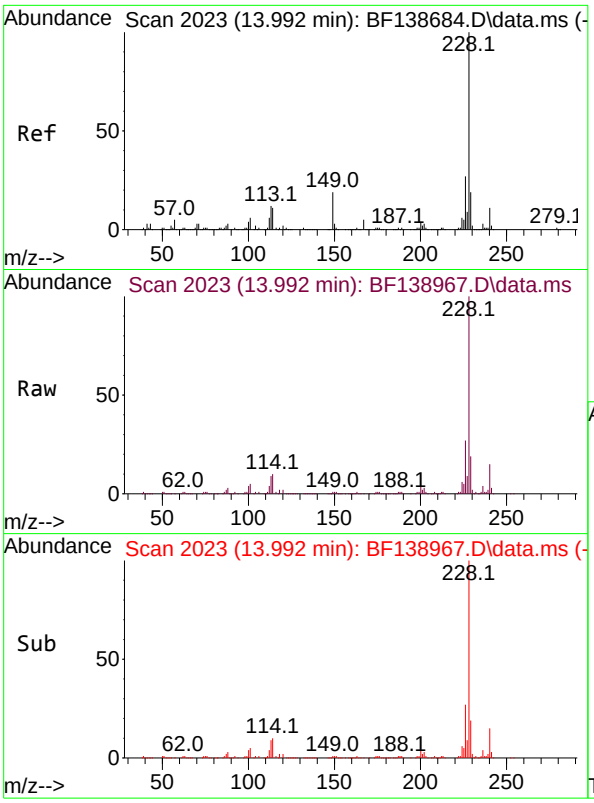


#80
Butylbenzylphthalate
Concen: 57.244 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:149 Resp: 179755

Ion	Ratio	Lower	Upper
149	100		
91	78.9	63.7	95.5
206	19.8	16.2	24.2

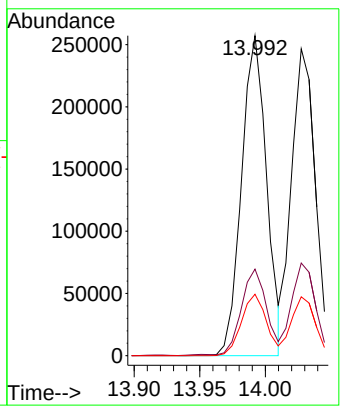




#81
Benzo(a)anthracene
Concen: 47.599 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:228 Resp: 341379

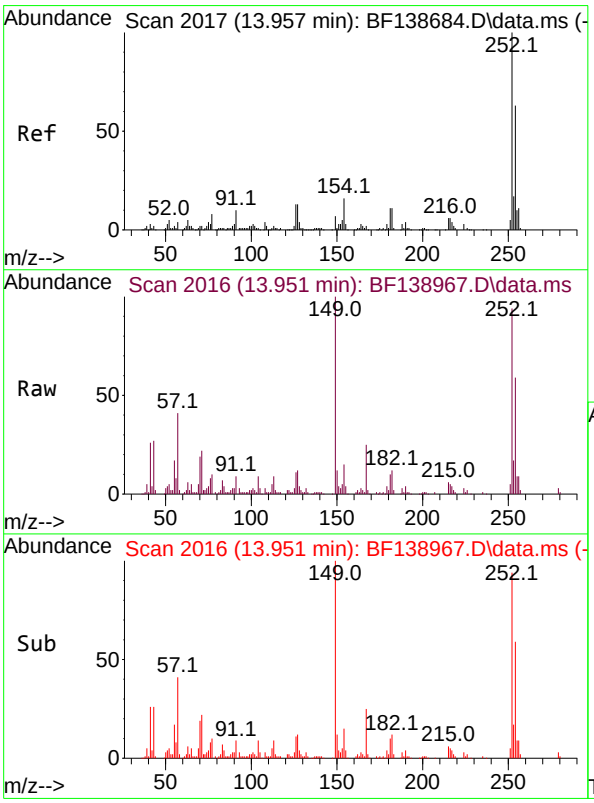
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.2	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

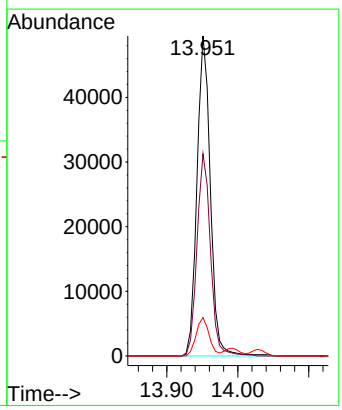
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

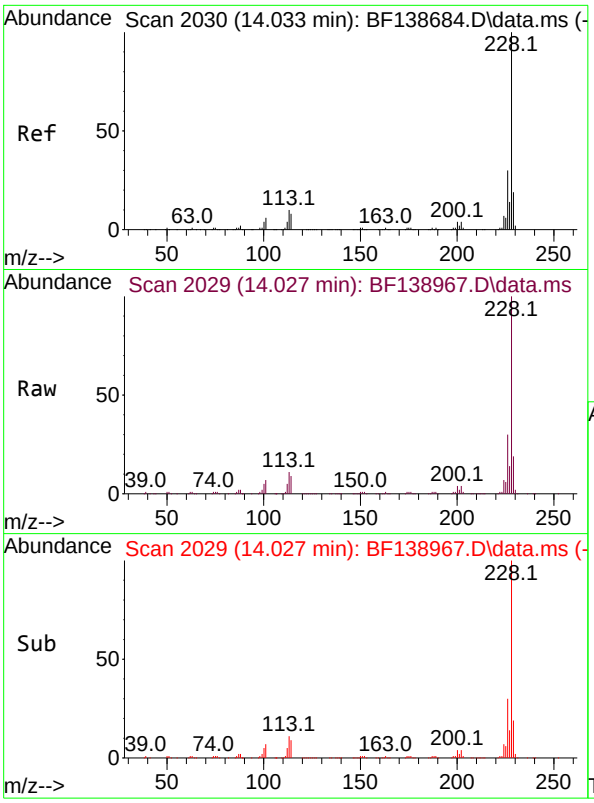


#82
3,3'-Dichlorobenzidine
Concen: 35.330 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:252 Resp: 64843

Ion	Ratio	Lower	Upper
252	100		
254	63.2	50.8	76.2
126	12.0	10.2	15.2

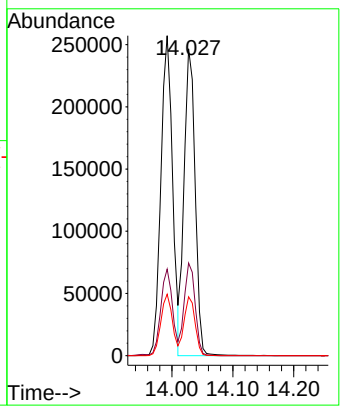




#83
Chrysene
Concen: 48.159 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:228 Resp: 31161

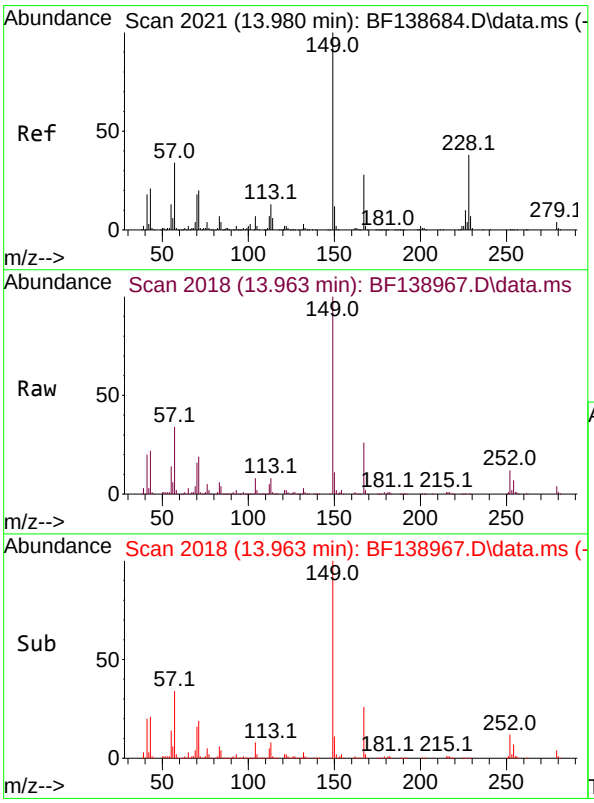
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	19.2	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

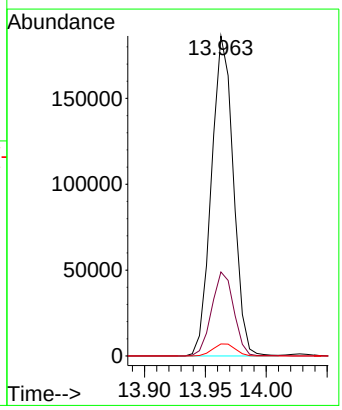
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

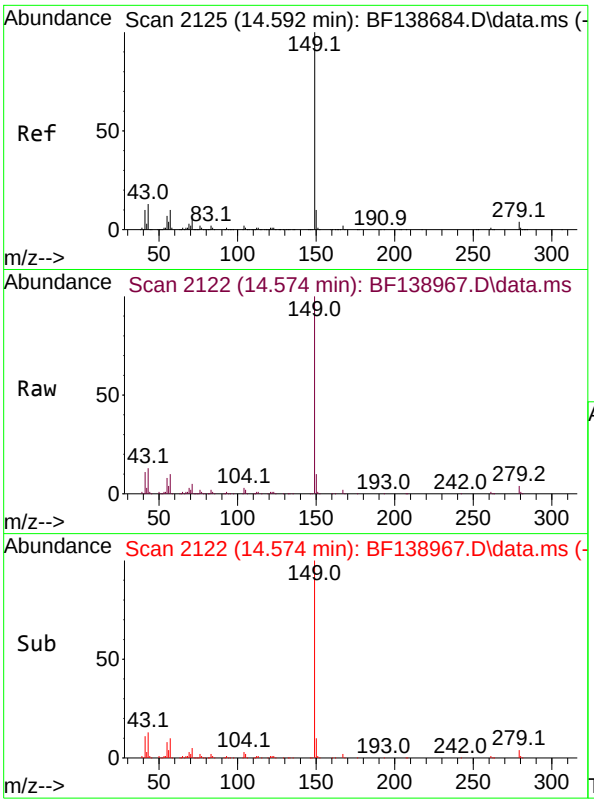


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.732 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:149 Resp: 233278

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.2	33.4
279	3.8	3.4	5.0

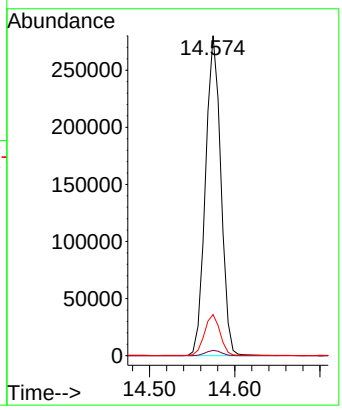




#85
Di-n-octyl phthalate
Concen: 41.232 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:149 Resp: 35077

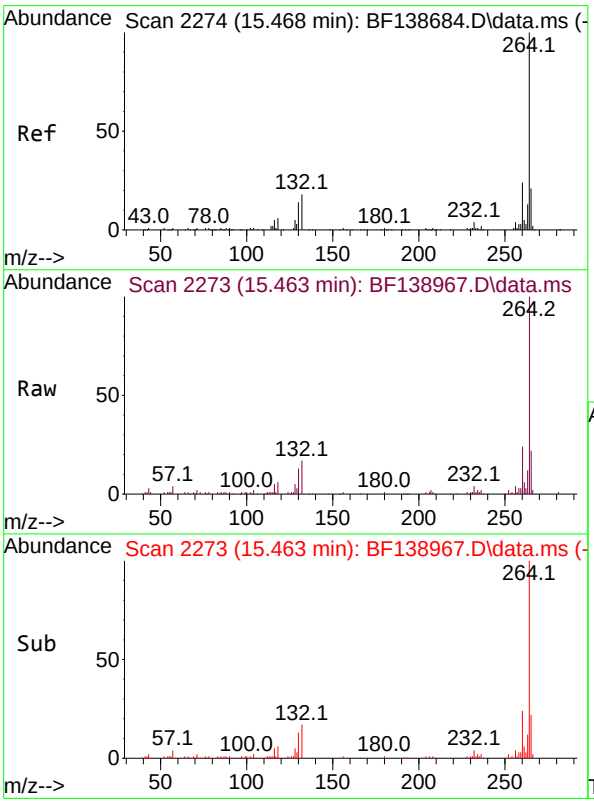
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	13.0	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

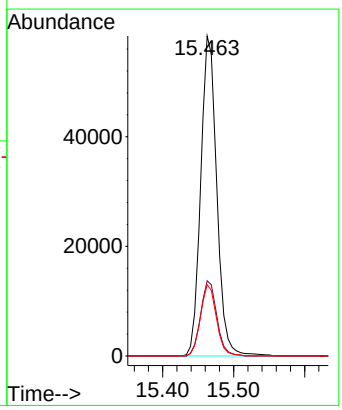
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

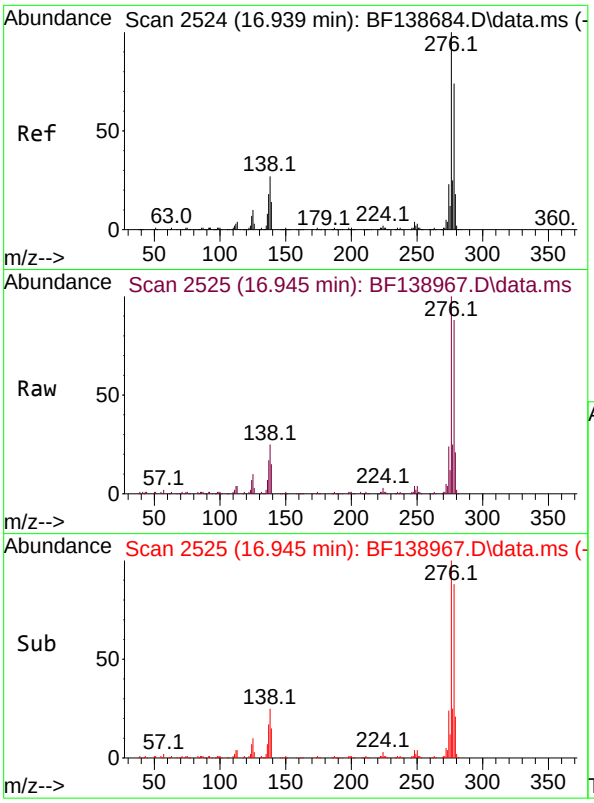


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:264 Resp: 91923

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	22.2	17.0	25.6

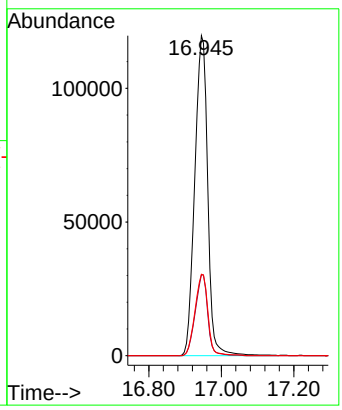




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.984 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:276 Resp: 29633

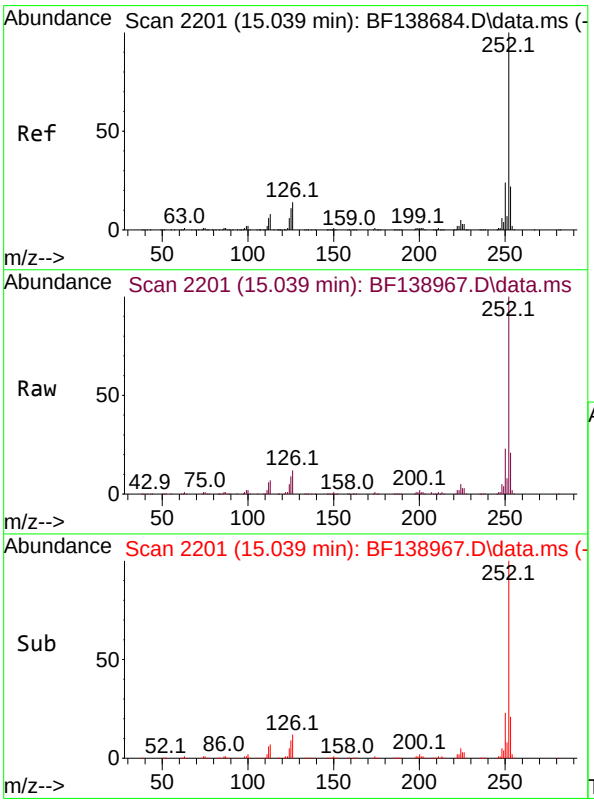
Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.8	32.8
277	25.5	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

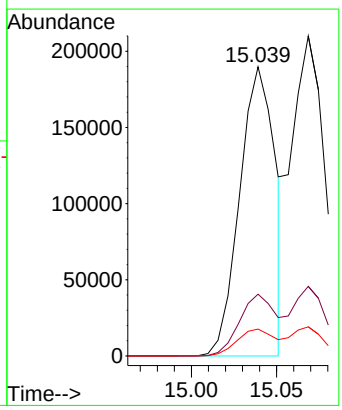
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

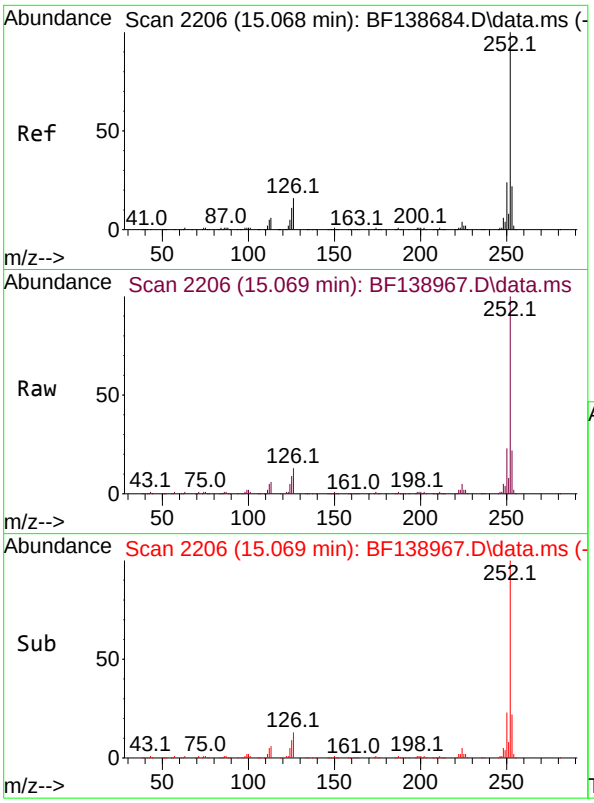


#88
Benzo(b)fluoranthene
Concen: 48.163 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:252 Resp: 274450

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	9.3	8.9	13.3

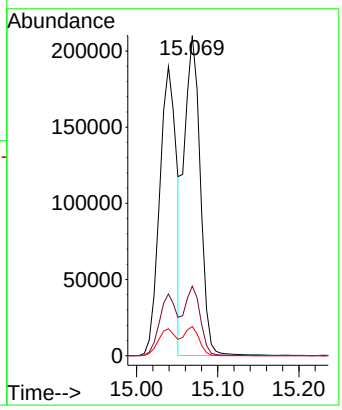




#89
Benzo(k)fluoranthene
Concen: 58.346 ng
RT: 15.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:252 Resp: 28786

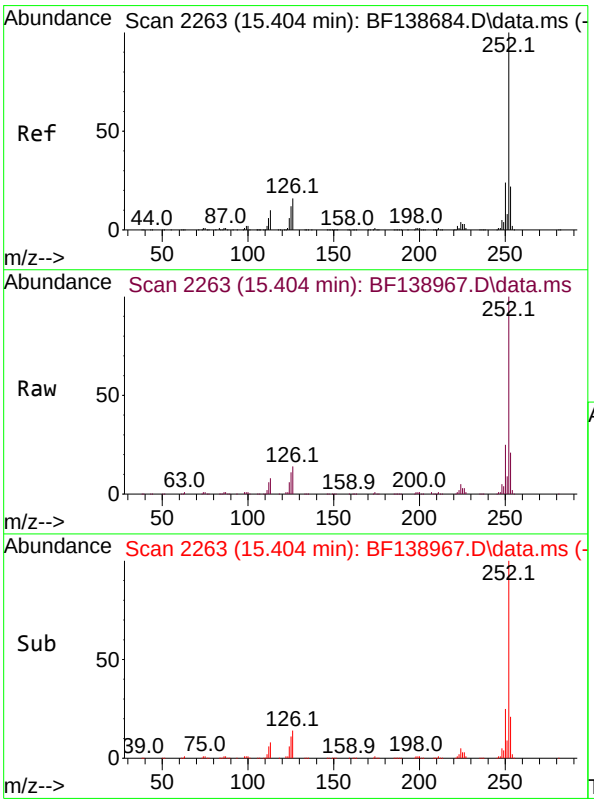
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.1	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

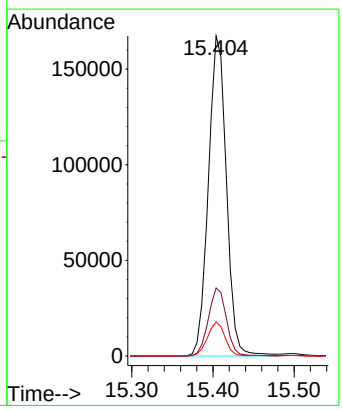
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

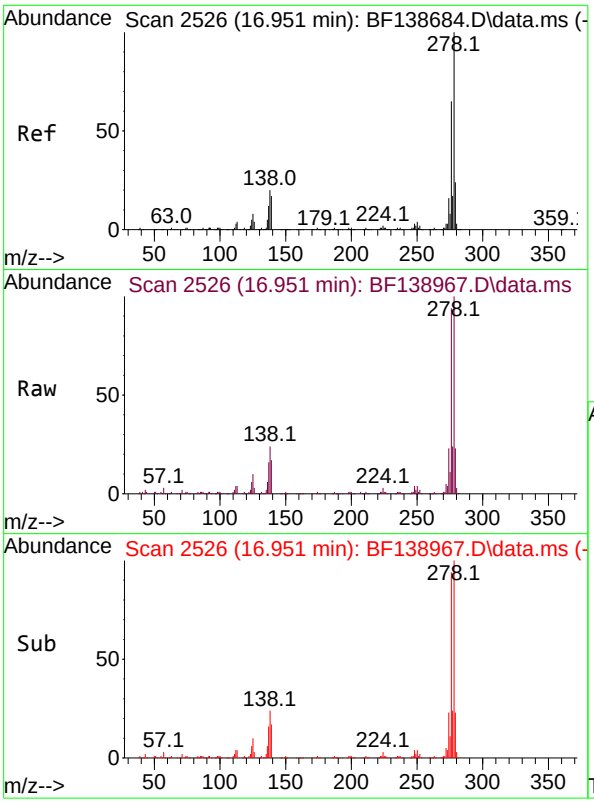


#90
Benzo(a)pyrene
Concen: 53.804 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:252 Resp: 257889

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	10.6	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 44.447 ng
RT: 16.951 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

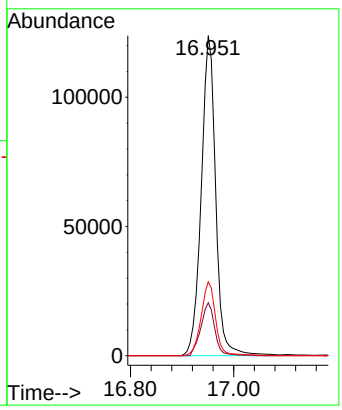
Tgt Ion:278 Resp: 240349

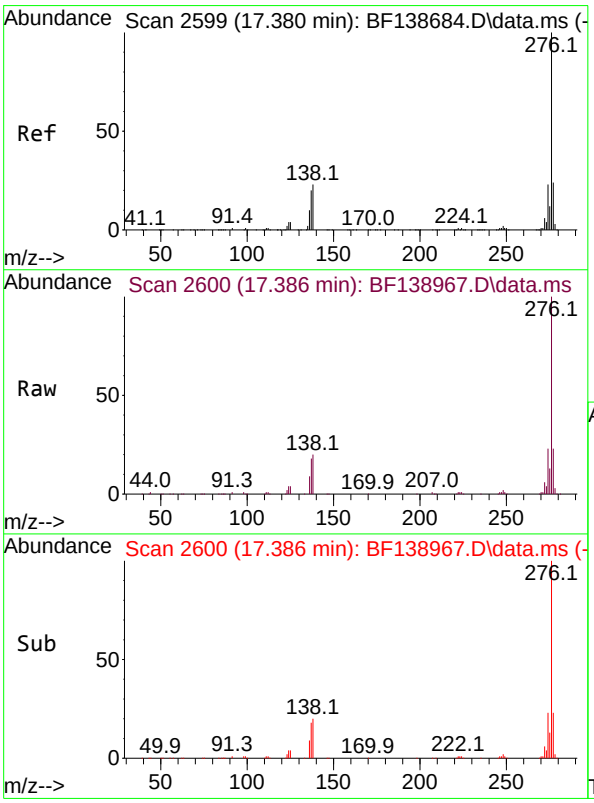
Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.0	21.0
279	23.1	19.0	28.4

Instrument :
BNA_F
ClientSampleId :
PB162520BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

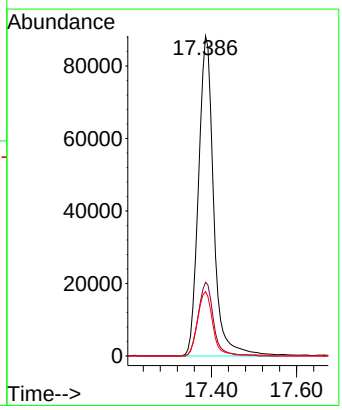




#92
Benzo(g,h,i)perylene
Concen: 38.868 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138967.D
Acq: 13 Aug 2024 11:08

Tgt Ion:276 Resp: 218103

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	20.1	18.5	27.7



Raw Data: **BF139008.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:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-S0-1.0-1.5-080524MS	SDG No.:	P3475
Lab Sample ID:	P3475-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
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
BF139008.D	1	08/06/24 08:26	08/14/24 22:17	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	2400		93.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	2500		110	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		94.5	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	96.9		30 (18) - 130 (107)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		30 (20) - 130 (109)	85%	SPK: 100
1718-51-0	Terphenyl-d14	94.3		30 (10) - 130 (105)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	31000	6.84			
1146-65-2	Naphthalene-d8	102000	8.116			
15067-26-2	Acenaphthene-d10	45100	9.869			
1517-22-2	Phenanthrene-d10	83000	11.357			
1719-03-5	Chrysene-d12	54200	13.998			
1520-96-3	Perylene-d12	41500	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: **BF139008.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139008.D
Acq On : 14 Aug 2024 22:17
Operator : RC/JU
Sample : P3475-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 15 01:14:31 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-866-N-S0-1.0-1.5-080524MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	30988	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	101717	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	45061	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	82982	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	54235	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	41522	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	265871	132.442	ng	0.00
7) Phenol-d6	6.487	99	333348	123.682	ng	0.00
23) Nitrobenzene-d5	7.404	82	201633	96.917	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	56410	152.827	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	255231	85.103	ng	-0.02
79) Terphenyl-d14	12.933	244	305483	94.305	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	42266	48.091	ng	# 96
3) Pyridine	3.399	79	106091	49.831	ng	95
4) n-Nitrosodimethylamine	3.363	42	90137	71.086	ng	# 80
6) Aniline	6.504	93	73493	30.576	ng	# 1
8) 2-Chlorophenol	6.634	128	112434	53.234	ng	98
9) Benzaldehyde	6.398	77	4711	2.916	ng	99
10) Phenol	6.504	94	144634	50.968	ng	88
11) bis(2-Chloroethyl)ether	6.575	93	115172	52.741	ng	100
12) 1,3-Dichlorobenzene	6.775	146	126731	53.604	ng	97
13) 1,4-Dichlorobenzene	6.851	146	128140	53.707	ng	99
14) 1,2-Dichlorobenzene	7.004	146	118873	53.311	ng	100
15) Benzyl Alcohol	6.987	79	105908	54.520	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	196755	52.355	ng	57
17) 2-Methylphenol	7.104	107	84335	48.357	ng	# 82
18) Hexachloroethane	7.345	117	46347	51.605	ng	99
19) n-Nitroso-di-n-propyla...	7.251	70	84752	52.064	ng	93
20) 3+4-Methylphenols	7.263	107	110154	49.227	ng	# 62
22) Acetophenone	7.251	105	151917	60.998	ng	98
24) Nitrobenzene	7.422	77	124493	58.806	ng	98
25) Isophorone	7.663	82	209995	59.112	ng	98
26) 2-Nitrophenol	7.740	139	53482	58.719	ng	90
27) 2,4-Dimethylphenol	7.781	122	65402	60.015	ng	97
28) bis(2-Chloroethoxy)met...	7.869	93	121768	56.286	ng	99
29) 2,4-Dichlorophenol	7.992	162	74475	53.184	ng	97
30) 1,2,4-Trichlorobenzene	8.057	180	89677	55.493	ng	97
31) Naphthalene	8.140	128	291921	54.523	ng	99
32) Benzoic acid	7.916	122	29281	34.182	ng	92
33) 4-Chloroaniline	8.198	127	36997	20.586	ng	94
34) Hexachlorobutadiene	8.251	225	58868	60.142	ng	99
35) Caprolactam	8.557	113	21216m	50.776	ng	
36) 4-Chloro-3-methylphenol	8.687	107	78571	49.096	ng	98
37) 2-Methylnaphthalene	8.828	142	170110	50.308	ng	100
38) 1-Methylnaphthalene	8.928	142	155131	46.819	ng	98
40) 1,2,4,5-Tetrachloroben...	8.992	216	71819	57.375	ng	98
41) Hexachlorocyclopentadiene	8.975	237	6493	24.857	ng	95
43) 2,4,6-Trichlorophenol	9.116	196	43108	56.483	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139008.D
Acq On : 14 Aug 2024 22:17
Operator : RC/JU
Sample : P3475-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 15 01:14:31 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	45869	54.976	ng		94
46) 1,1'-Biphenyl	9.287	154	192279	54.484	ng		98
47) 2-Chloronaphthalene	9.316	162	147104	56.046	ng		100
48) 2-Nitroaniline	9.422	65	55108	61.932	ng		95
49) Acenaphthylene	9.734	152	226516	60.849	ng		99
50) Dimethylphthalate	9.586	163	174247	60.476	ng		100
51) 2,6-Dinitrotoluene	9.663	165	36041	55.427	ng		92
52) Acenaphthene	9.904	154	137018	54.754	ng		99
53) 3-Nitroaniline	9.834	138	30232	44.974	ng		99
54) 2,4-Dinitrophenol	9.957	184	14461	48.311	ng	#	79
55) Dibenzofuran	10.075	168	207013	58.604	ng		97
56) 4-Nitrophenol	10.016	139	43028	106.444	ng		82
57) 2,4-Dinitrotoluene	10.069	165	50194	60.503	ng	#	80
58) Fluorene	10.416	166	164495	58.477	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	36957	57.938	ng		95
60) Diethylphthalate	10.286	149	165861	60.712	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	78344	56.628	ng		94
62) 4-Nitroaniline	10.451	138	36893	57.753	ng		87
63) Azobenzene	10.569	77	175301	57.856	ng		95
65) 4,6-Dinitro-2-methylph...	10.481	198	15689	30.990	ng		88
66) n-Nitrosodiphenylamine	10.528	169	137922	53.173	ng		100
67) 4-Bromophenyl-phenylether	10.898	248	45273	50.391	ng		96
68) Hexachlorobenzene	10.963	284	49018	52.841	ng		96
69) Atrazine	11.051	200	44341	66.258	ng		97
70) Pentachlorophenol	11.169	266	40169	96.069	ng		97
71) Phenanthrene	11.380	178	264590	61.923	ng		100
72) Anthracene	11.433	178	263631	62.629	ng		99
73) Carbazole	11.592	167	241485	66.494	ng		99
74) Di-n-butylphthalate	11.910	149	277429	67.954	ng		99
75) Fluoranthene	12.569	202	310079	77.733	ng		98
77) Benzidine	12.698	184	52969	40.833	ng		99
78) Pyrene	12.798	202	312705	61.238	ng		100
80) Butylbenzylphthalate	13.410	149	119391	73.013	ng		99
81) Benzo(a)anthracene	13.986	228	234060	62.671	ng		99
82) 3,3'-Dichlorobenzidine	13.951	252	53683	56.169	ng		99
83) Chrysene	14.027	228	193103	57.310	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	155481	64.933	ng		97
85) Di-n-octyl phthalate	14.574	149	222064	50.125	ng		100
87) Indeno(1,2,3-cd)pyrene	16.939	276	146694	49.299	ng		95
88) Benzo(b)fluoranthene	15.039	252	165724	64.385	ng		98
89) Benzo(k)fluoranthene	15.063	252	142638	64.004	ng		99
90) Benzo(a)pyrene	15.404	252	138956	64.181	ng		97
91) Dibenzo(a,h)anthracene	16.945	278	117170	47.969	ng		97
92) Benzo(g,h,i)perylene	17.380	276	109581	43.232	ng		96

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

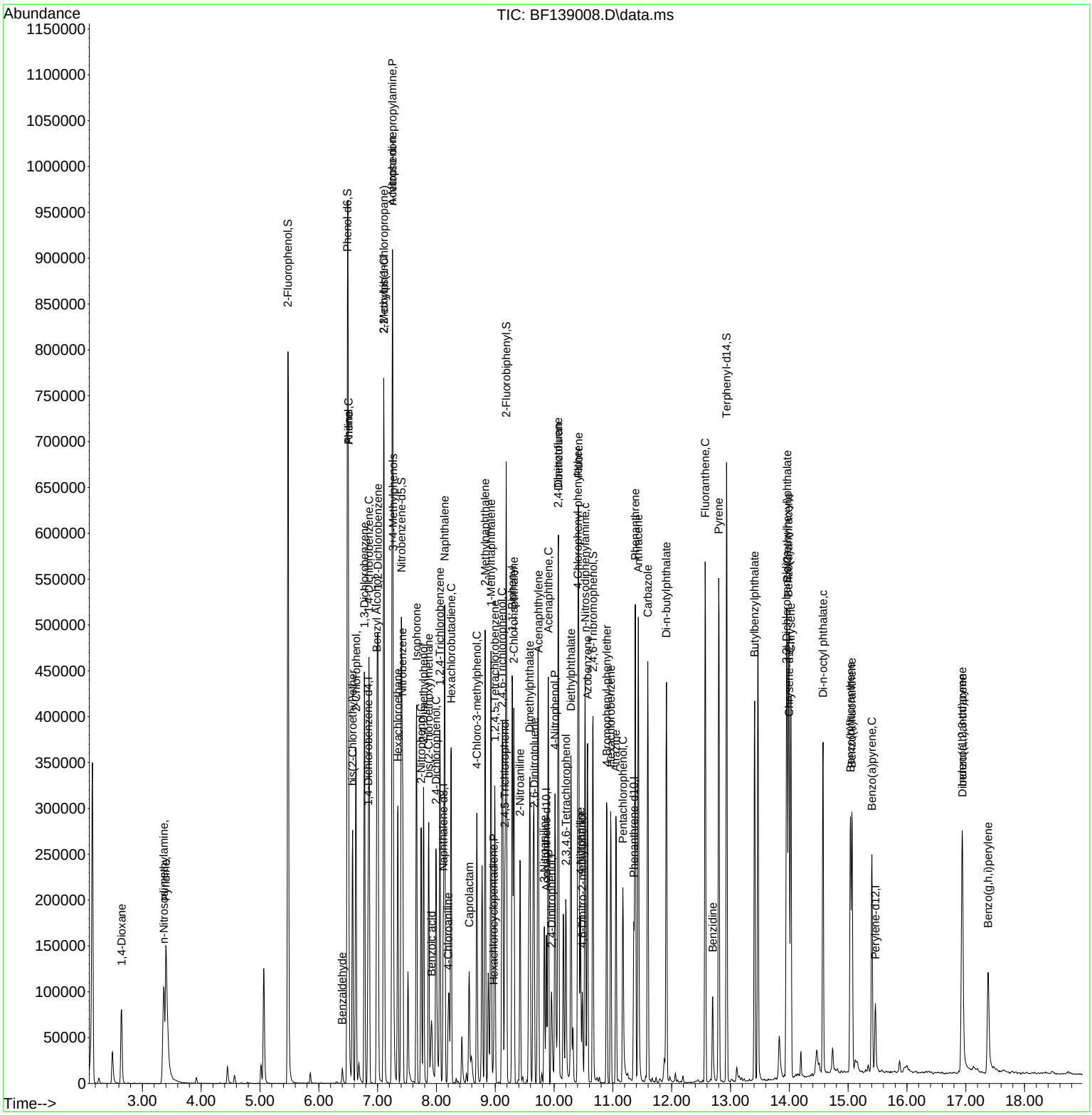
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Data File : BF139008.D
Acq On : 14 Aug 2024 22:17
Operator : RC/JU
Sample : P3475-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

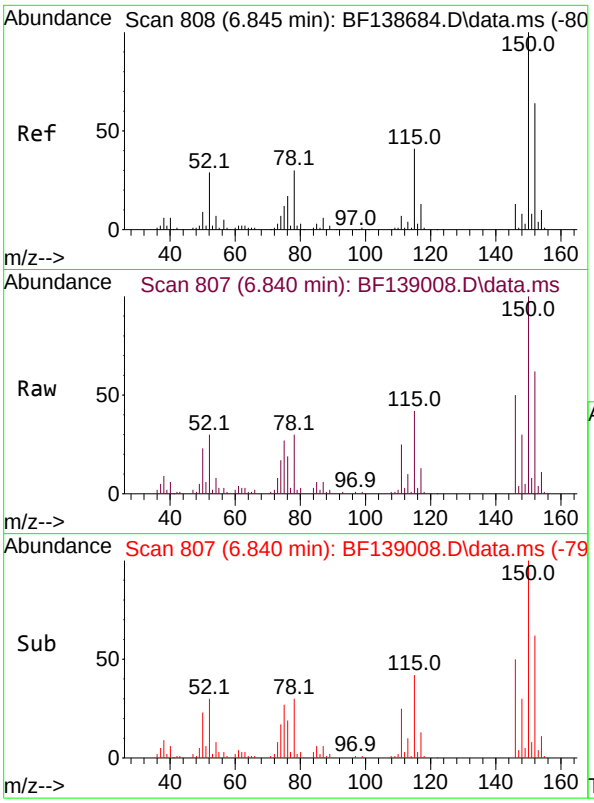
Quant Time: Aug 15 01:14:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

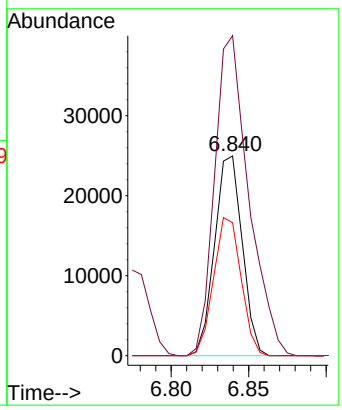




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:152 Resp: 3098

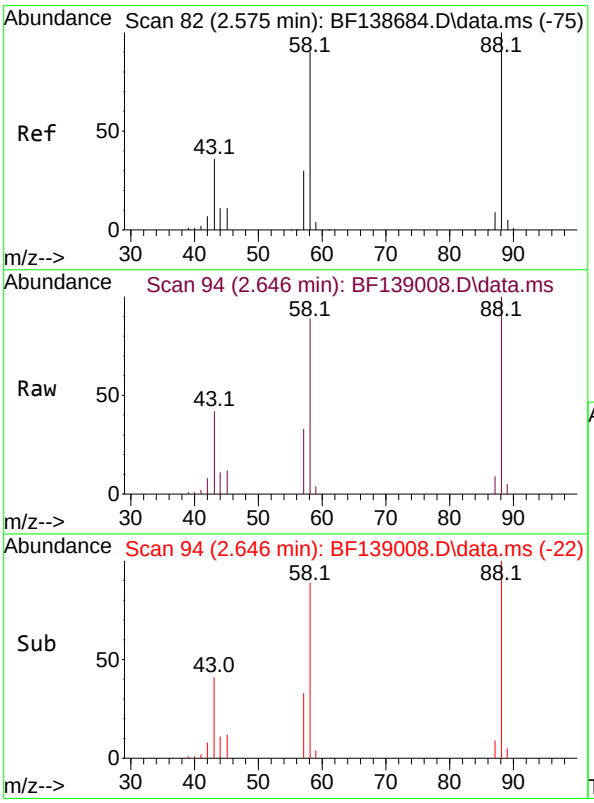
Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.0	189.0
115	66.6	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

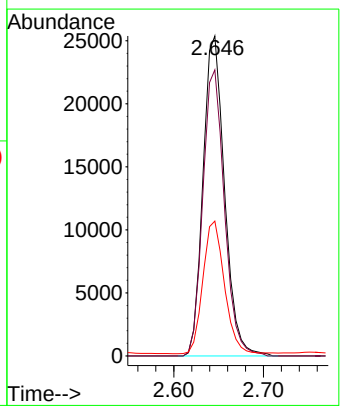
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

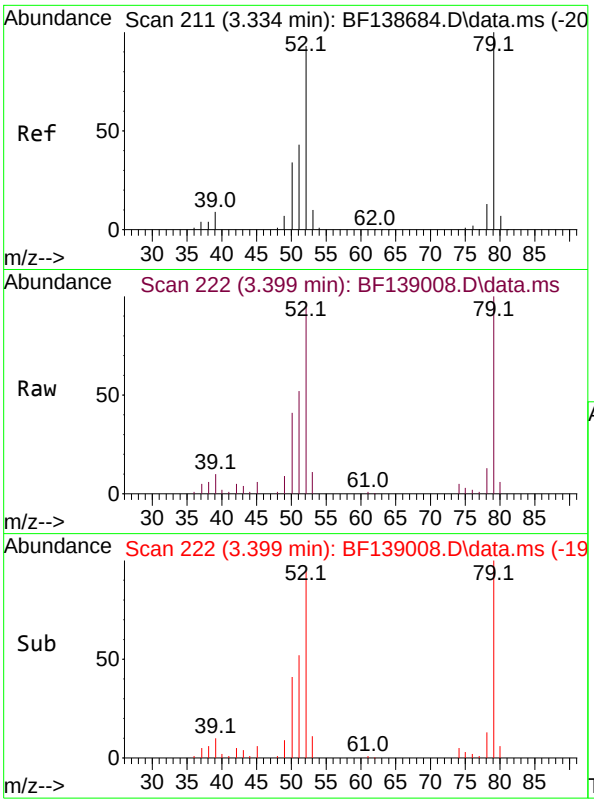


#2
1,4-Dioxane
Concen: 48.091 ng
RT: 2.646 min Scan# 94
Delta R.T. 0.071 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 88 Resp: 42266

Ion	Ratio	Lower	Upper
88	100		
58	89.6	71.6	107.4
43	43.2	28.7	43.1#

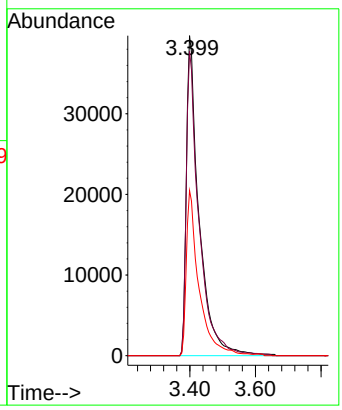




#3
Pyridine
Concen: 49.831 ng
RT: 3.399 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 79 Resp: 10609

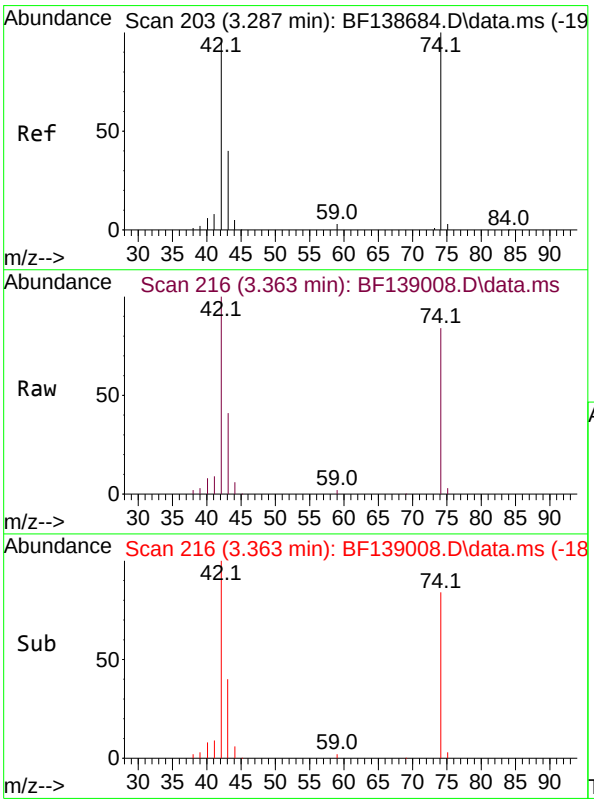
Ion	Ratio	Lower	Upper
79	100		
52	95.2	74.7	112.1
51	51.6	34.6	51.8



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

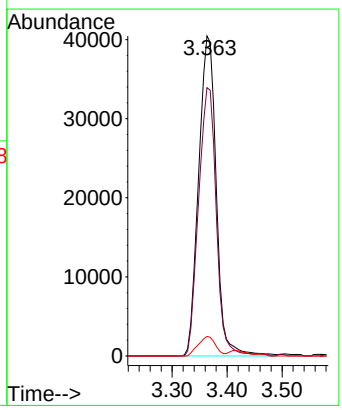
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

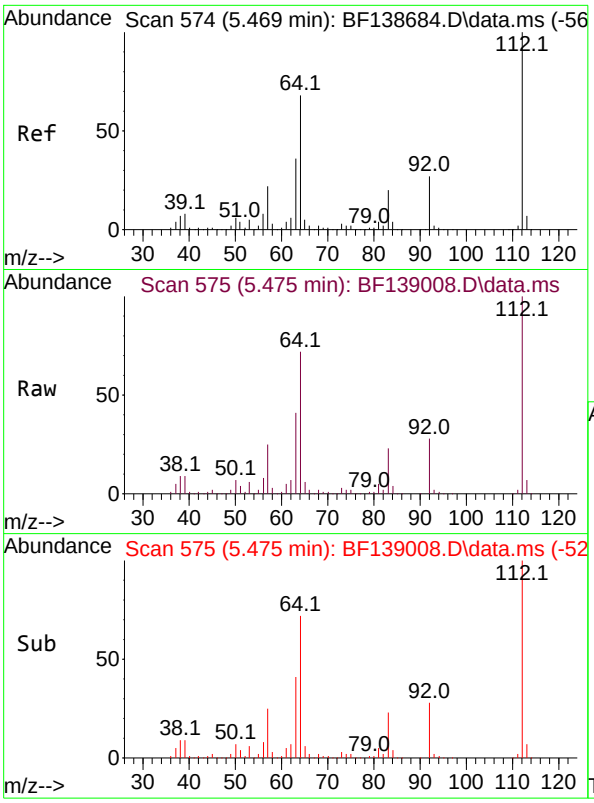


#4
n-Nitrosodimethylamine
Concen: 71.086 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.077 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 42 Resp: 90137

Ion	Ratio	Lower	Upper
42	100		
74	83.8	84.2	126.4#
44	6.1	4.9	7.3





#5
2-Fluorophenol
Concen: 132.442 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

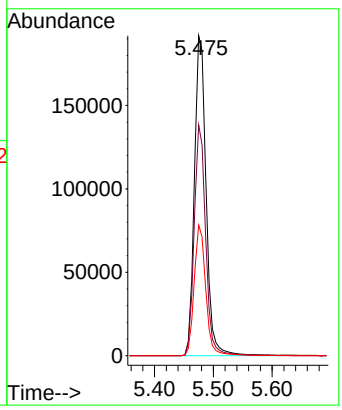
Tgt Ion:112 Resp: 26587

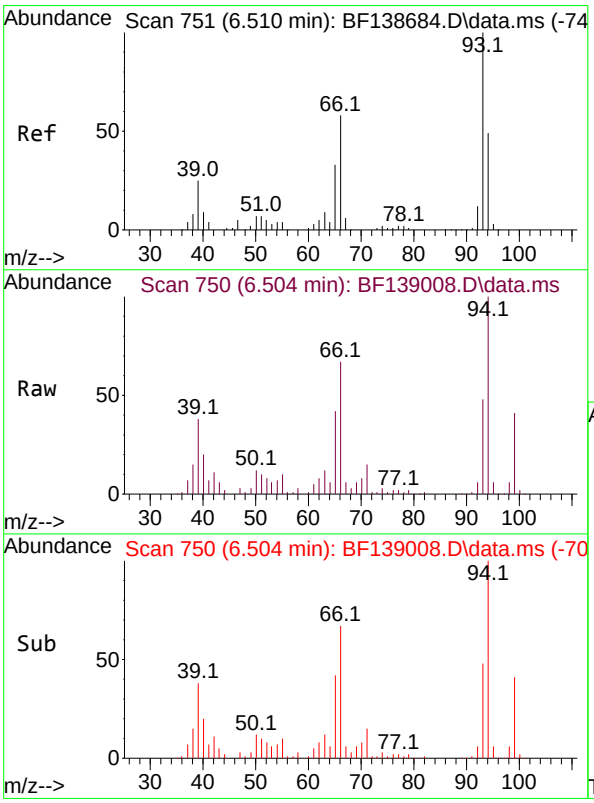
Ion	Ratio	Lower	Upper
112	100		
64	72.1	54.2	81.4
63	40.8	28.7	43.1

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

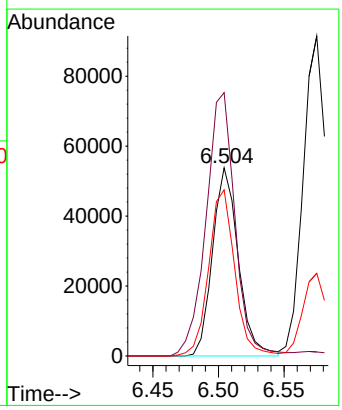


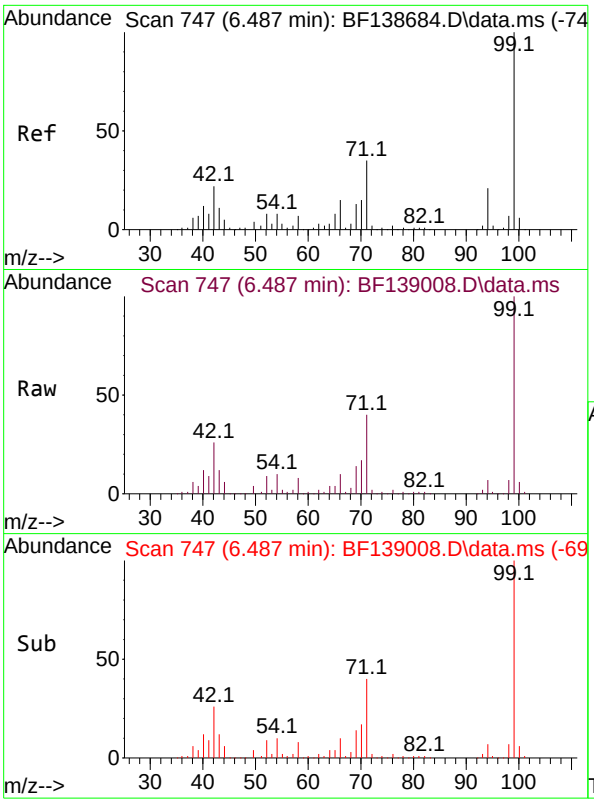


#6
Aniline
Concen: 30.576 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 93 Resp: 73493

Ion	Ratio	Lower	Upper
93	100		
66	140.0	46.9	70.3#
65	88.3	26.5	39.7#





#7
Phenol-d6
Concen: 123.682 ng
RT: 6.487 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

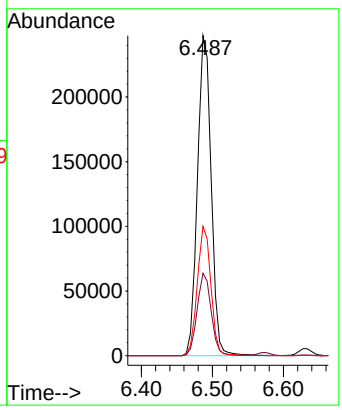
Tgt Ion: 99 Resp: 33334

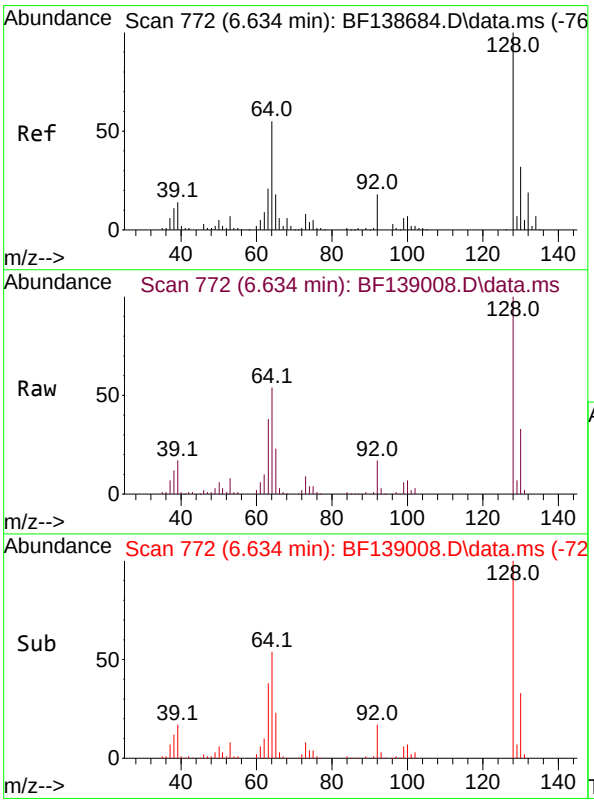
Ion	Ratio	Lower	Upper
99	100		
42	25.8	17.4	26.0
71	40.4	28.1	42.1

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

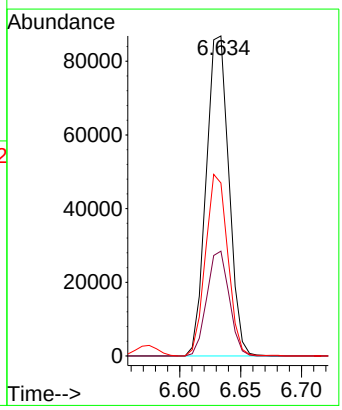


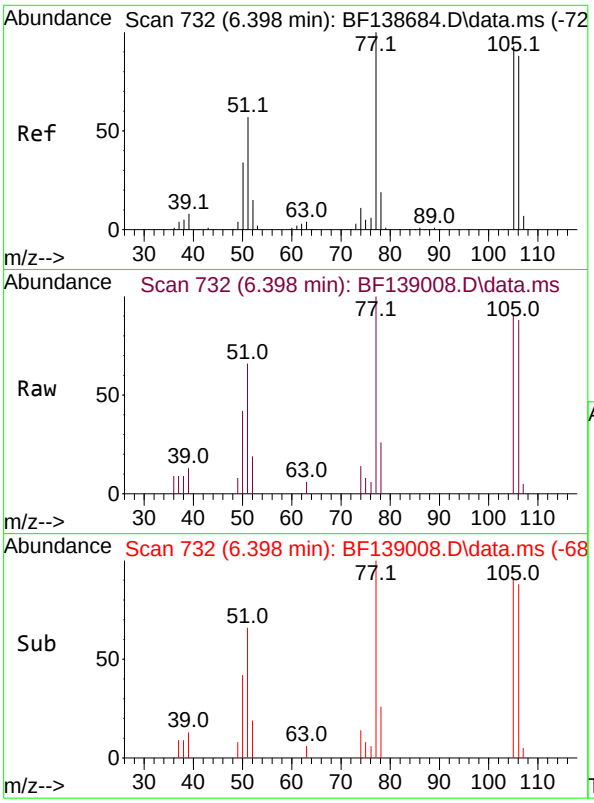


#8
2-Chlorophenol
Concen: 53.234 ng
RT: 6.634 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:128 Resp: 112434

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.0	52.0
64	54.0	36.3	76.3





#9
Benzaldehyde
Concen: 2.916 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

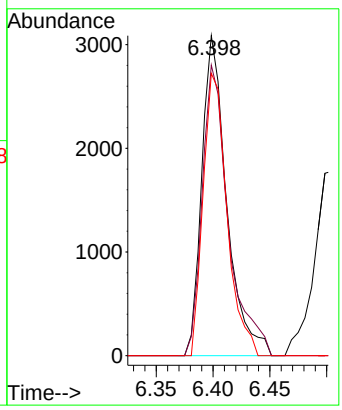
Tgt Ion: 77 Resp: 471

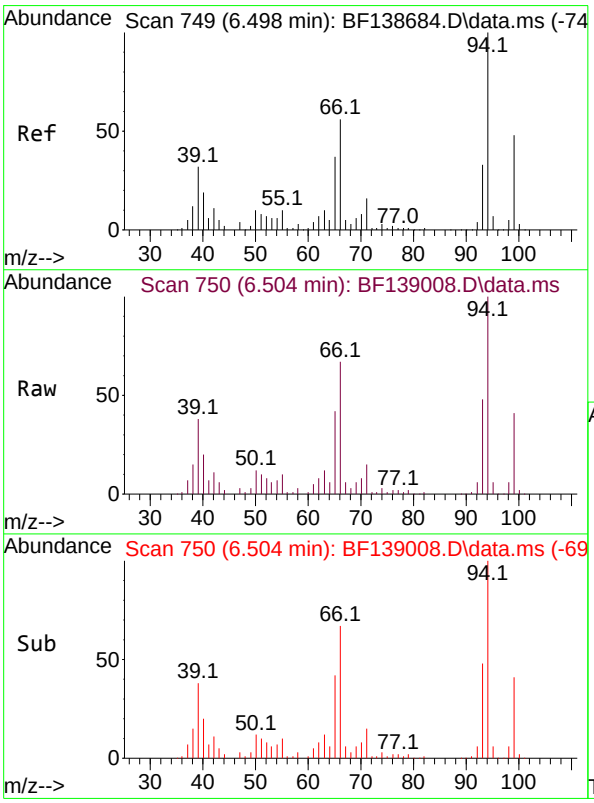
Ion	Ratio	Lower	Upper
77	100		
105	90.8	72.9	112.9
106	88.2	68.4	108.4

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

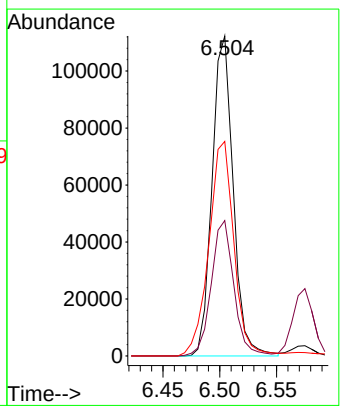


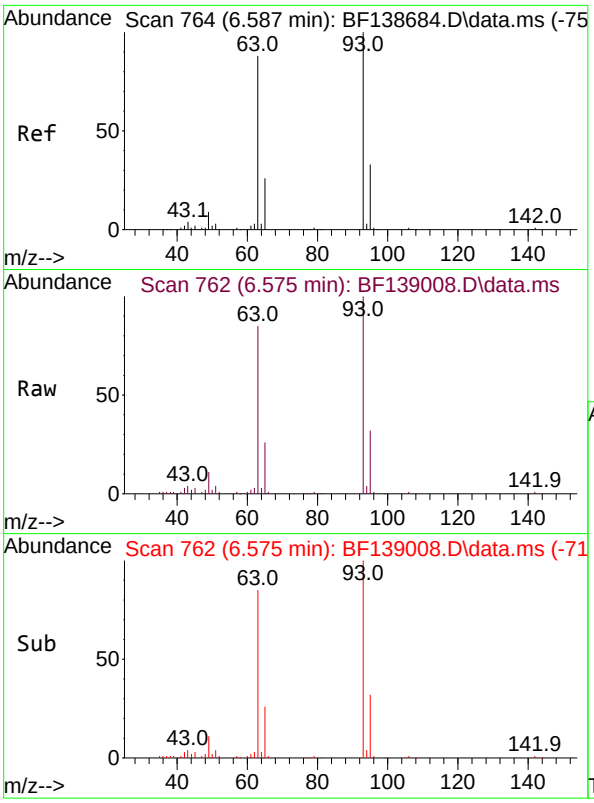


#10
Phenol
Concen: 50.968 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 94 Resp: 144634

Ion	Ratio	Lower	Upper
94	100		
65	42.3	16.9	56.9
66	67.1	36.5	76.5

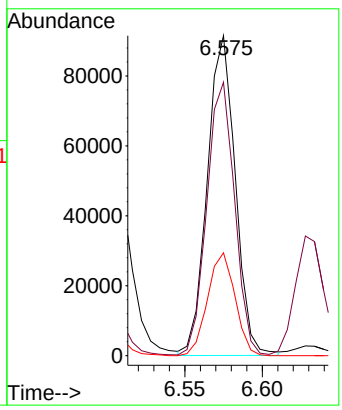




#11
bis(2-Chloroethyl)ether
Concen: 52.741 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 93 Resp: 11517

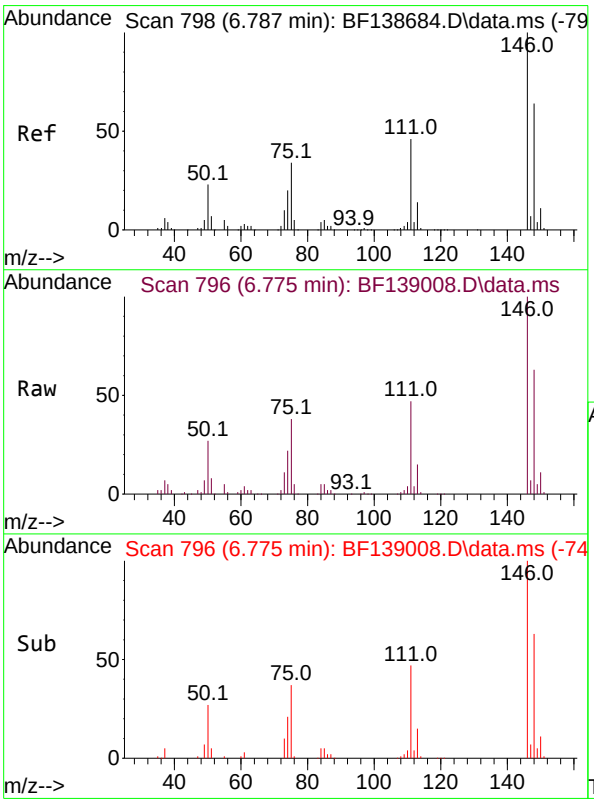
Ion	Ratio	Lower	Upper
93	100		
63	85.5	65.3	105.3
95	32.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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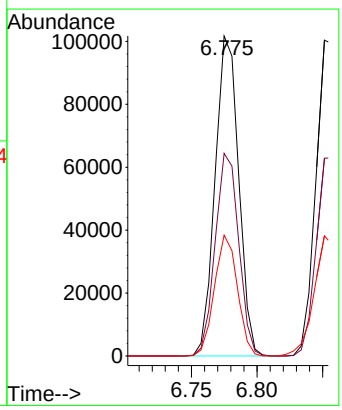
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

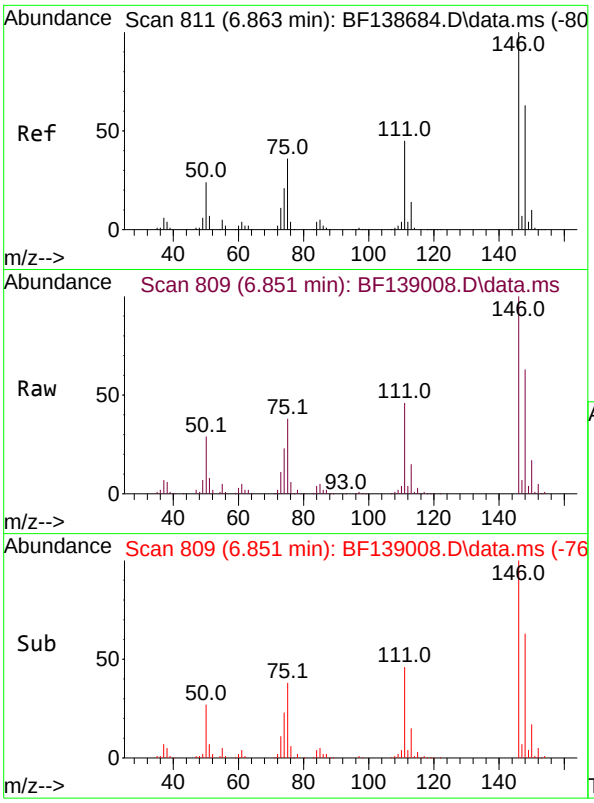


#12
1,3-Dichlorobenzene
Concen: 53.604 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:146 Resp: 126731

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.2	76.8
75	37.8	27.4	41.2

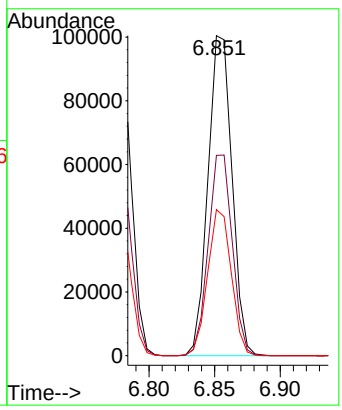




#13
1,4-Dichlorobenzene
Concen: 53.707 ng
RT: 6.851 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:146 Resp: 12814

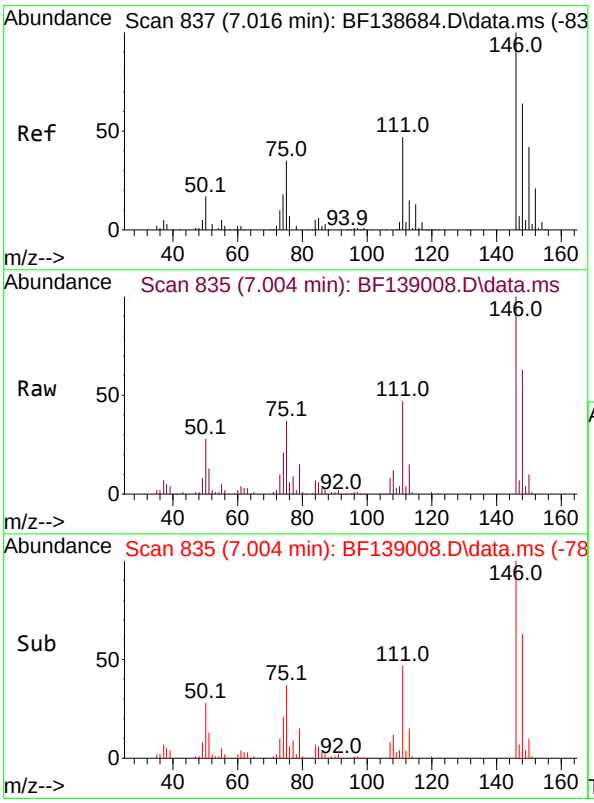
Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.2	75.2
111	45.7	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

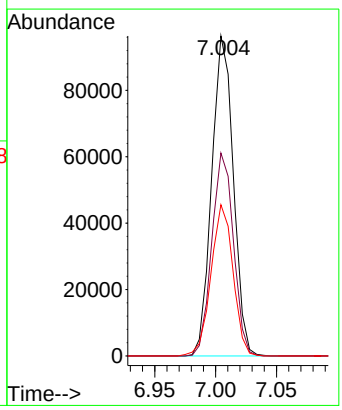
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

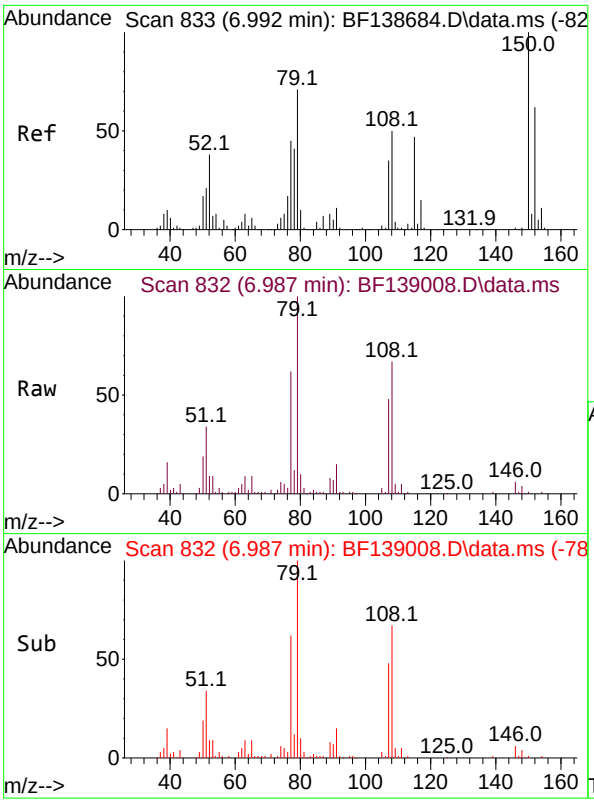


#14
1,2-Dichlorobenzene
Concen: 53.311 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:146 Resp: 118873

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.8	76.2
111	47.2	37.4	56.2





#15
Benzyl Alcohol
Concen: 54.520 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

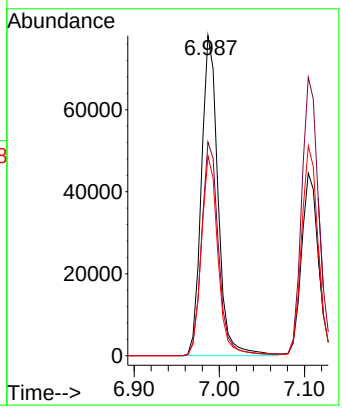
Tgt Ion: 79 Resp: 10590

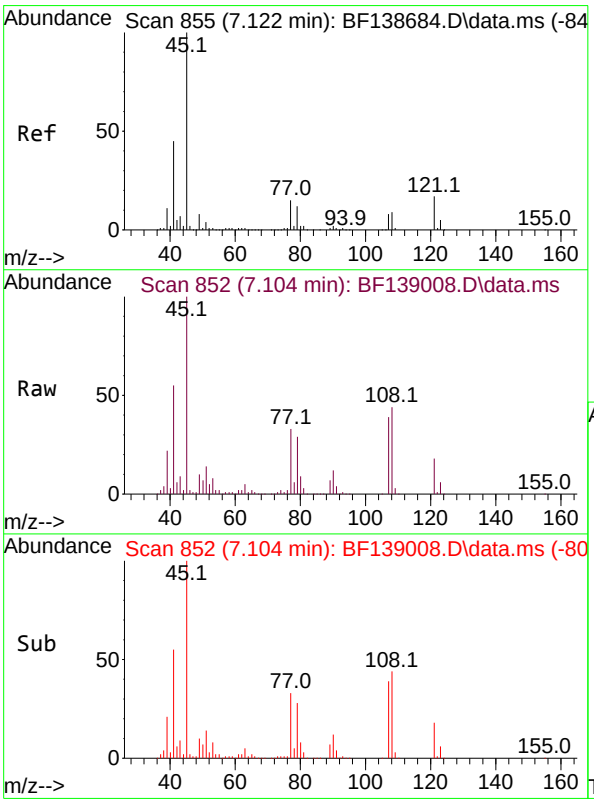
Ion	Ratio	Lower	Upper
79	100		
108	66.7	56.6	85.0
77	62.4	50.3	75.5

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

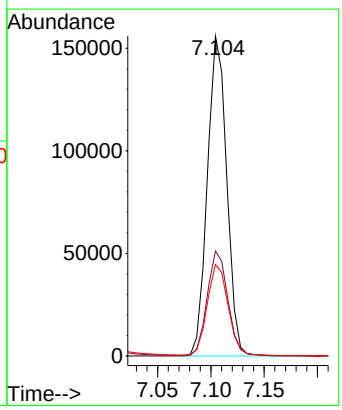


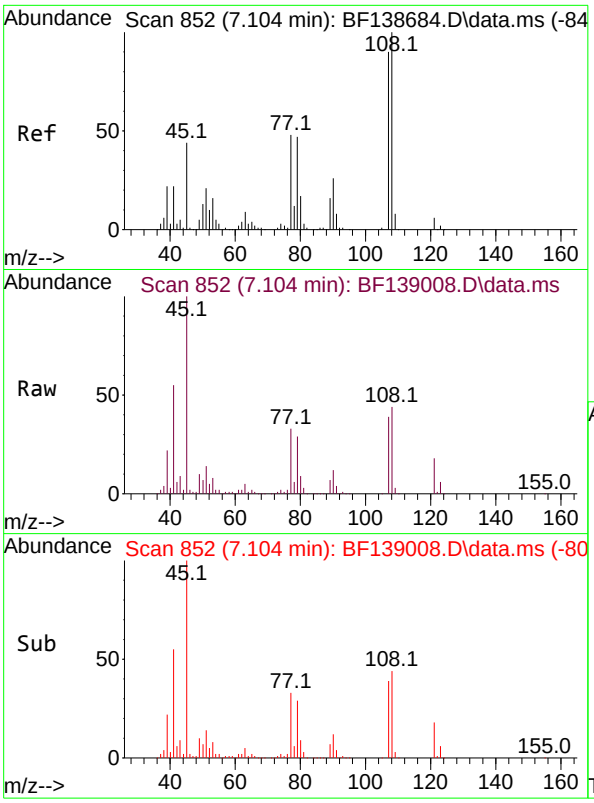


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.355 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 45 Resp: 196755

Ion	Ratio	Lower	Upper
45	100		
77	32.8	0.0	34.9
79	28.5	0.0	32.2

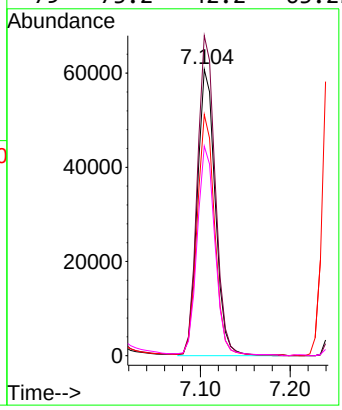




#17
2-Methylphenol
Concen: 48.357 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:107 Resp: 8433

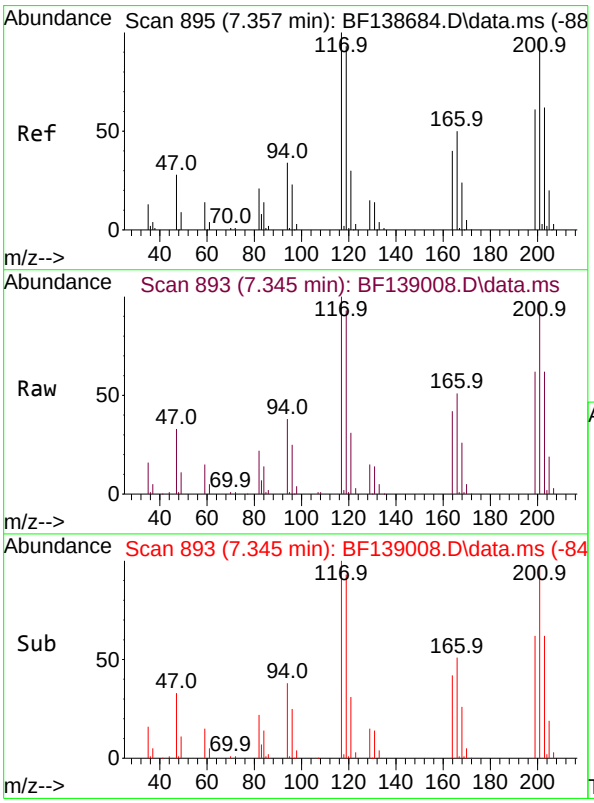
Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.2	133.8
77	84.2	43.0	64.4#
79	73.2	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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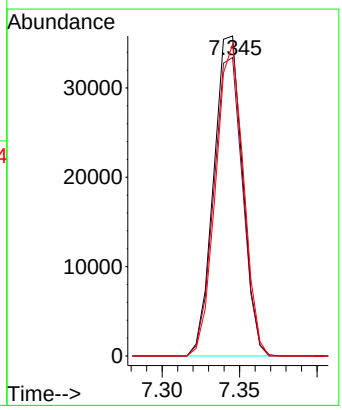
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

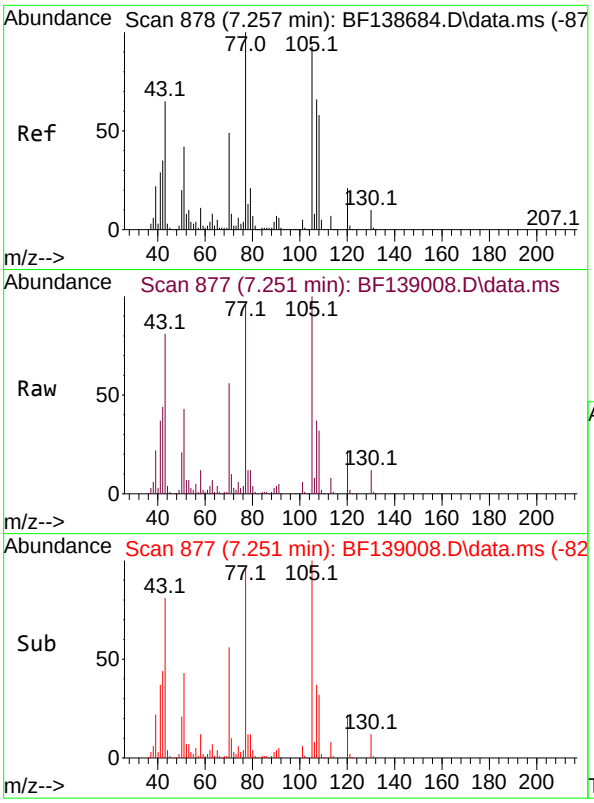


#18
Hexachloroethane
Concen: 51.605 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:117 Resp: 46347

Ion	Ratio	Lower	Upper
117	100		
119	93.2	74.6	111.8
201	97.5	77.2	115.8

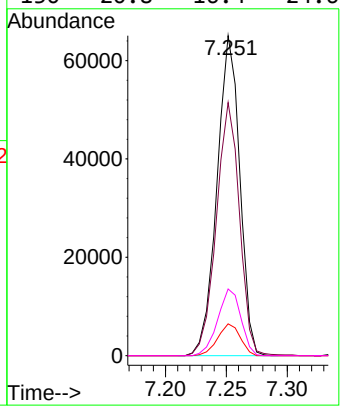




#19
n-Nitroso-di-n-propylamine
Concen: 52.064 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 70 Resp: 8475

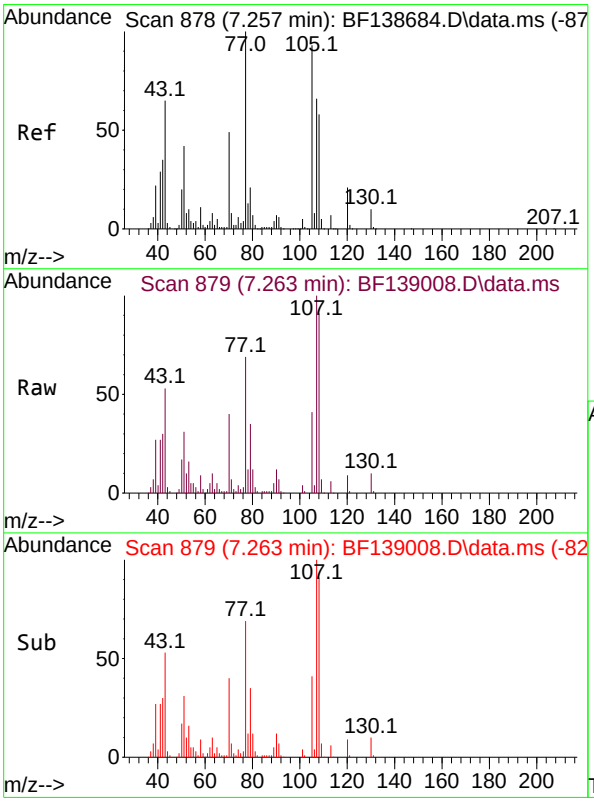
Ion	Ratio	Lower	Upper
70	100		
42	79.1	57.4	86.0
101	9.9	7.5	11.3
130	20.8	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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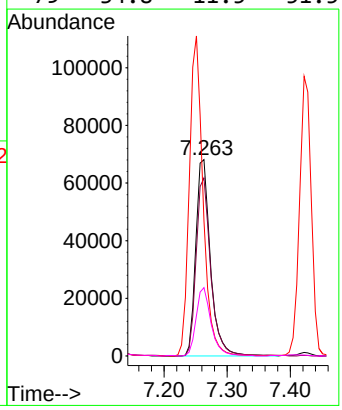
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

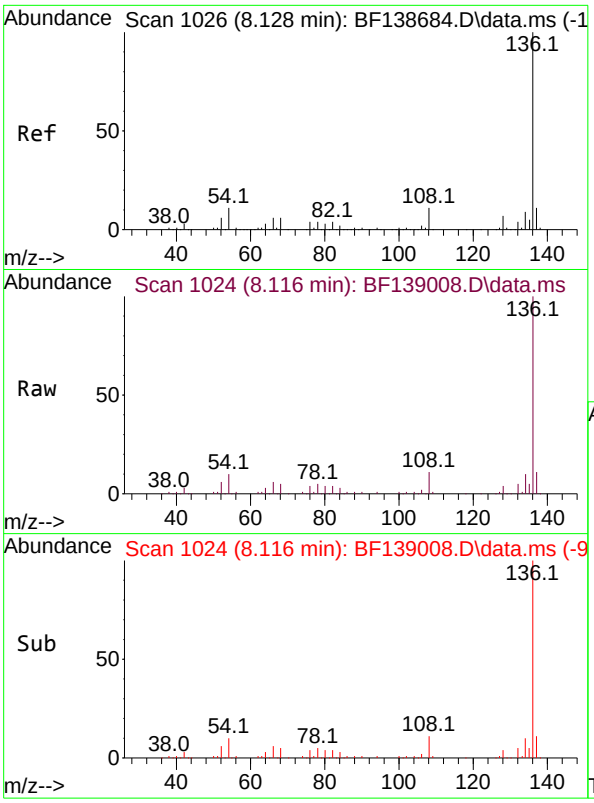


#20
3+4-Methylphenols
Concen: 49.227 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:107 Resp: 110154

Ion	Ratio	Lower	Upper
107	100		
108	90.7	68.2	108.2
77	68.9	132.1	172.1#
79	34.8	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: BF139008.D
Acq: 14 Aug 2024 22:17

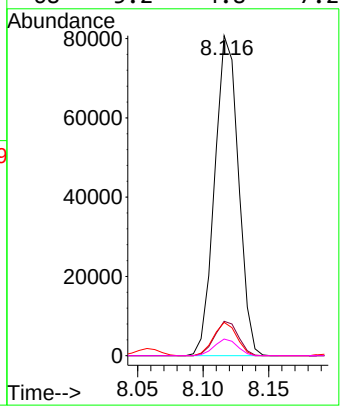
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

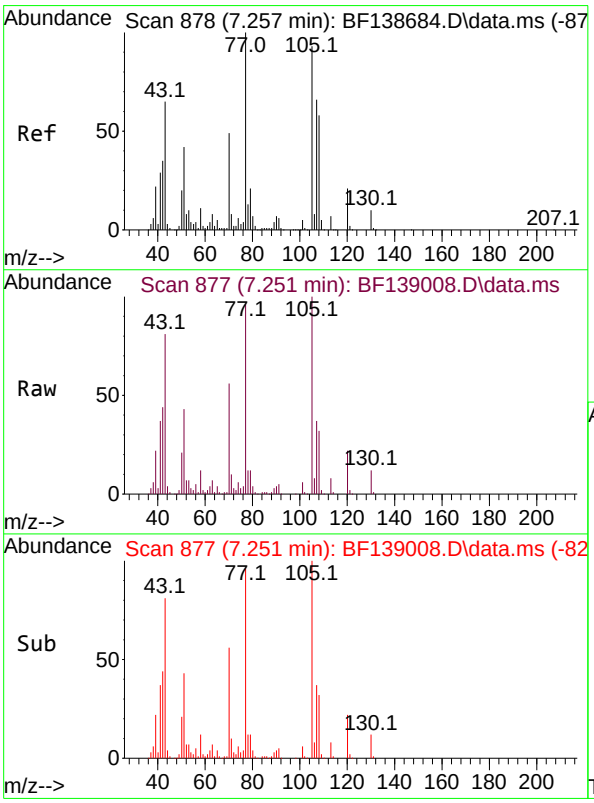
Tgt Ion:136 Resp: 10171

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.4	8.6	12.8
68	5.2	4.8	7.2

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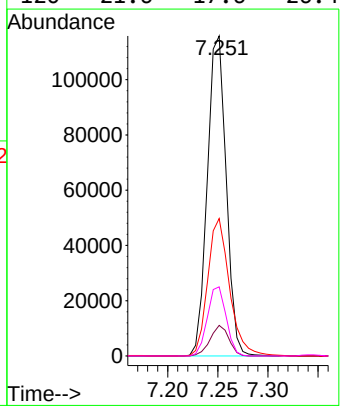


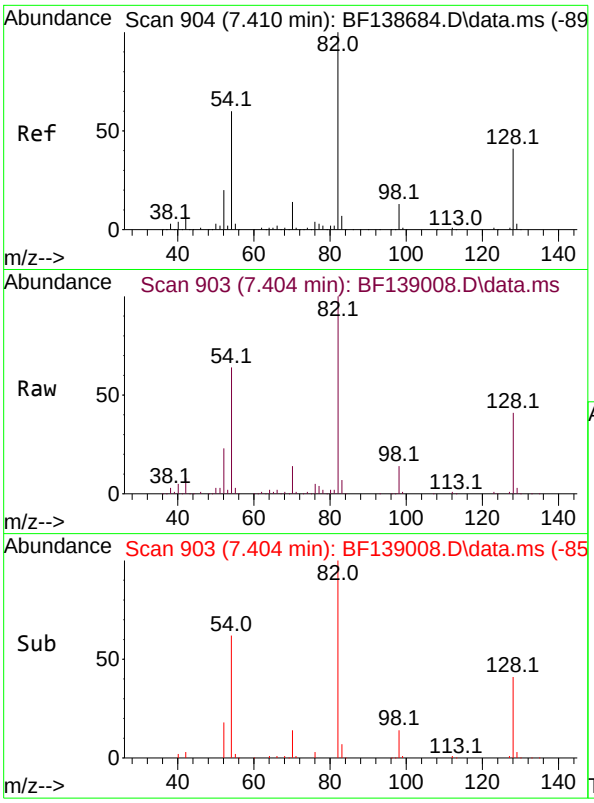


#22
Acetophenone
Concen: 60.998 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:105 Resp: 151917

Ion	Ratio	Lower	Upper
105	100		
71	9.5	7.2	10.8
51	42.9	35.9	53.9
120	21.6	17.6	26.4

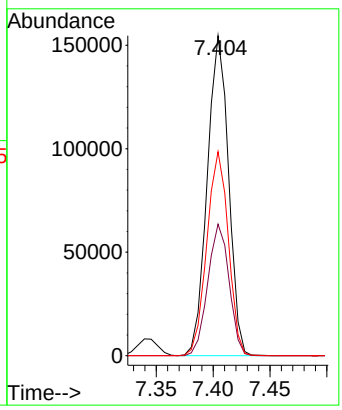




#23
Nitrobenzene-d5
Concen: 96.917 ng
RT: 7.404 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 82 Resp: 20163

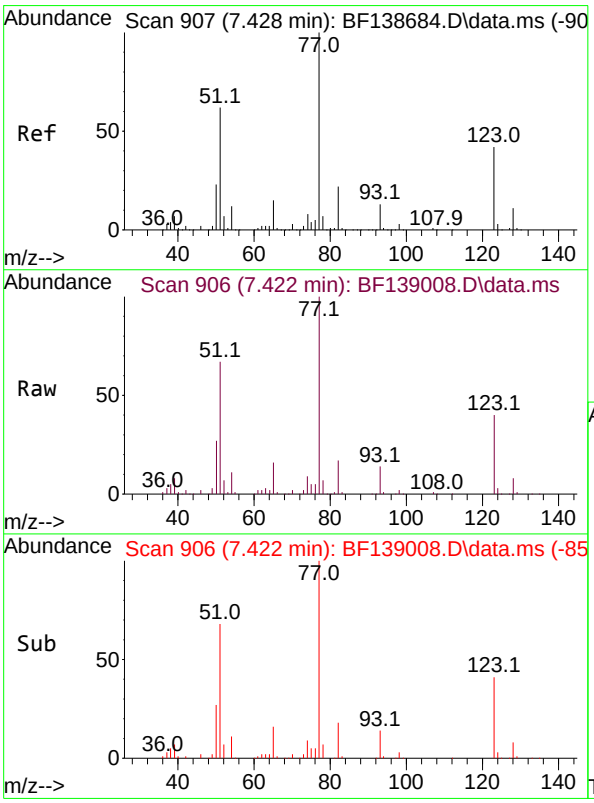
Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.8	49.2
54	63.7	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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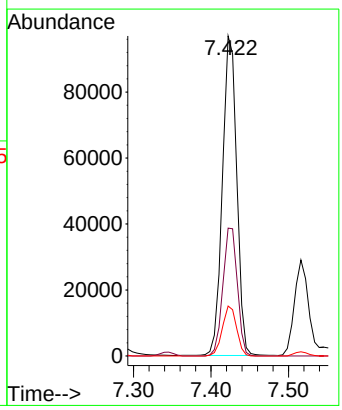
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

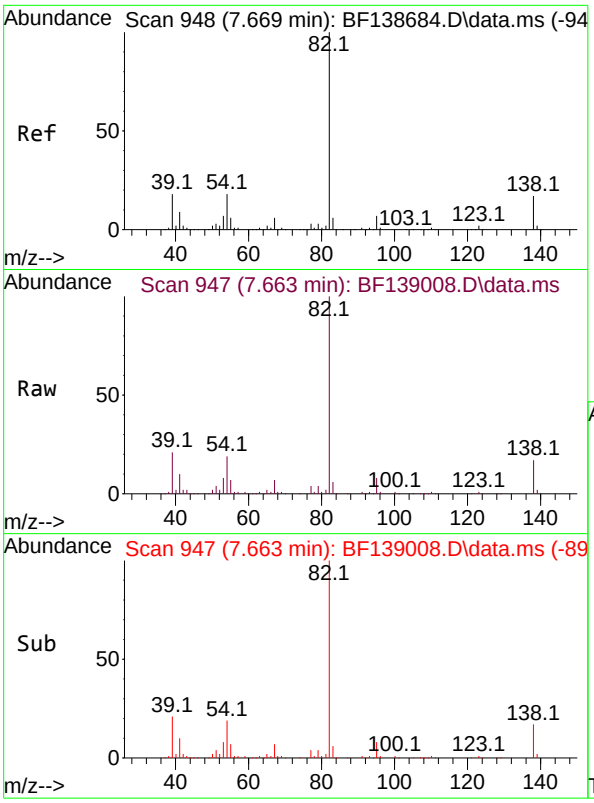


#24
Nitrobenzene
Concen: 58.806 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 77 Resp: 124493

Ion	Ratio	Lower	Upper
77	100		
123	40.0	33.3	49.9
65	15.6	11.9	17.9

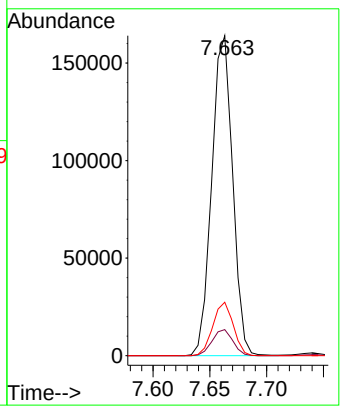




#25
Isophorone
Concen: 59.112 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 82 Resp: 20999

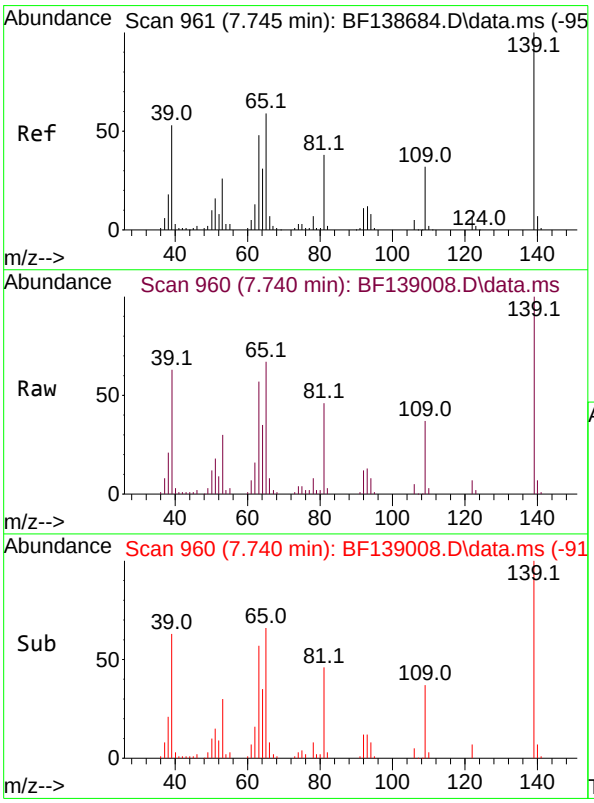
Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.7	8.5
138	16.7	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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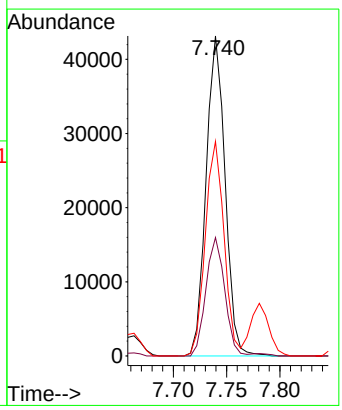
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

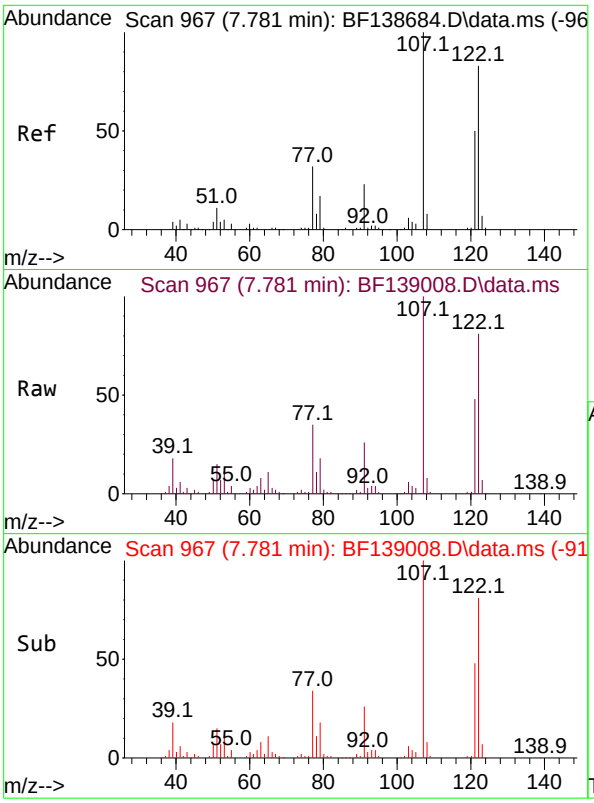


#26
2-Nitrophenol
Concen: 58.719 ng
RT: 7.740 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:139 Resp: 53482

Ion	Ratio	Lower	Upper
139	100		
109	37.0	25.9	38.9
65	67.0	47.0	70.6

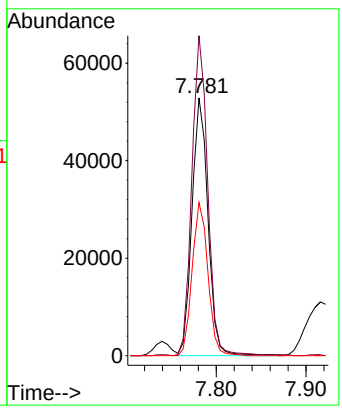




#27
2,4-Dimethylphenol
Concen: 60.015 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:122 Resp: 6540

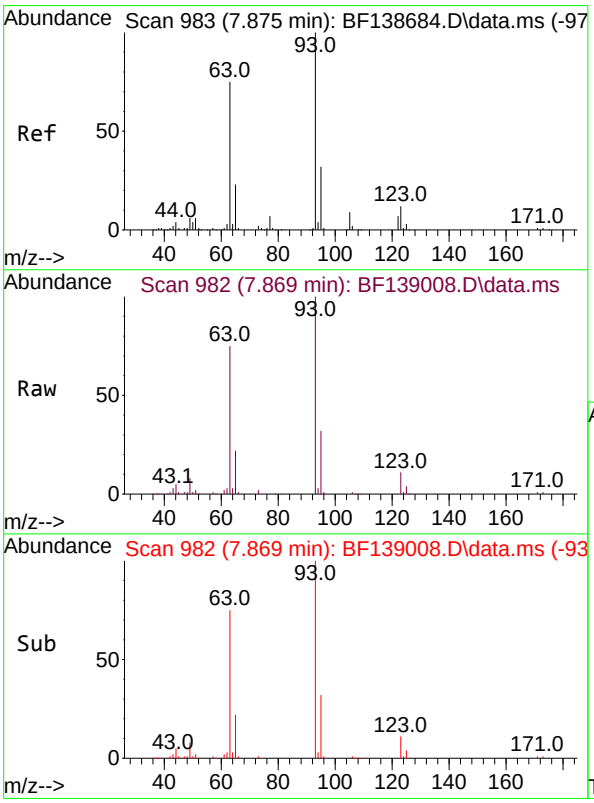
Ion	Ratio	Lower	Upper
122	100		
107	124.2	95.0	142.6
121	59.4	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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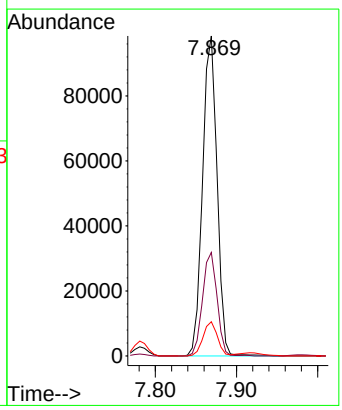
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

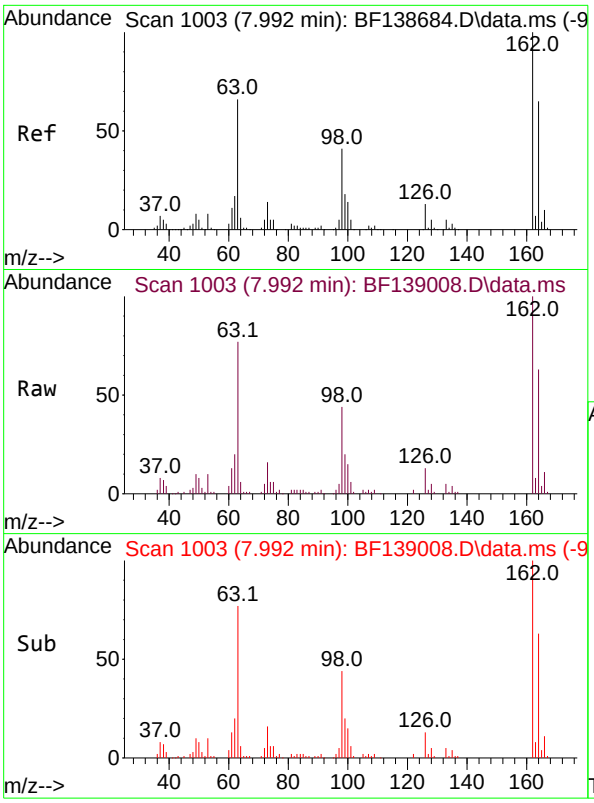


#28
bis(2-Chloroethoxy)methane
Concen: 56.286 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 93 Resp: 121768

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	10.7	9.4	14.0

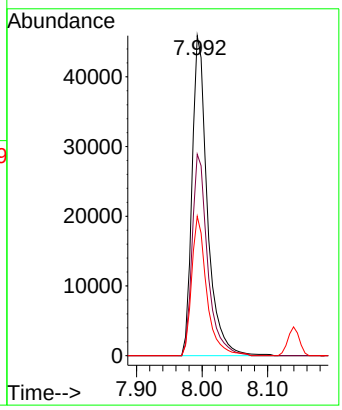




#29
2,4-Dichlorophenol
Concen: 53.184 ng
RT: 7.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:162 Resp: 7447

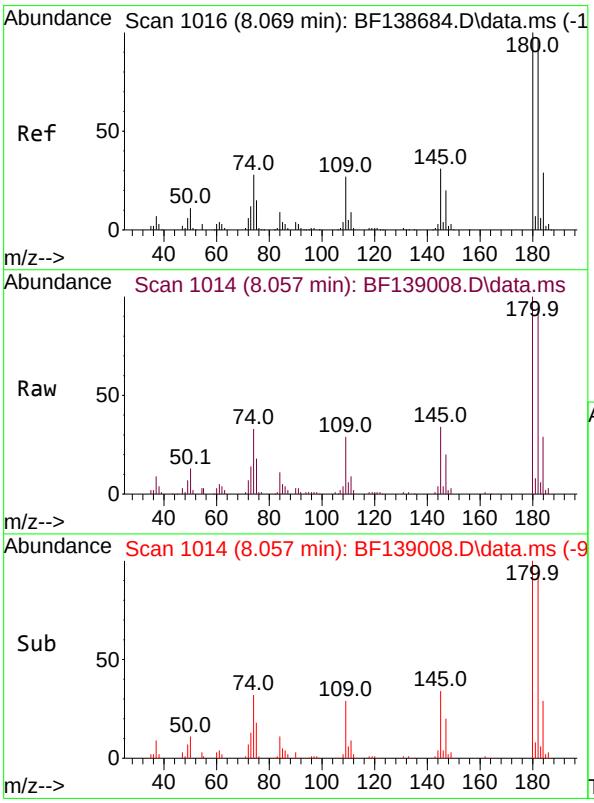
Ion	Ratio	Lower	Upper
162	100		
164	62.9	44.7	84.7
98	43.6	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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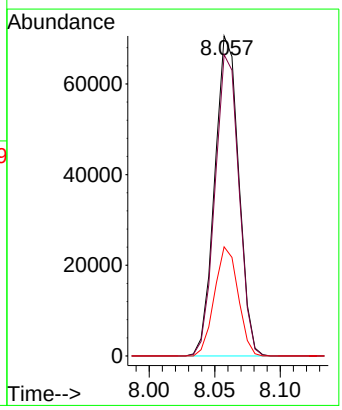
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

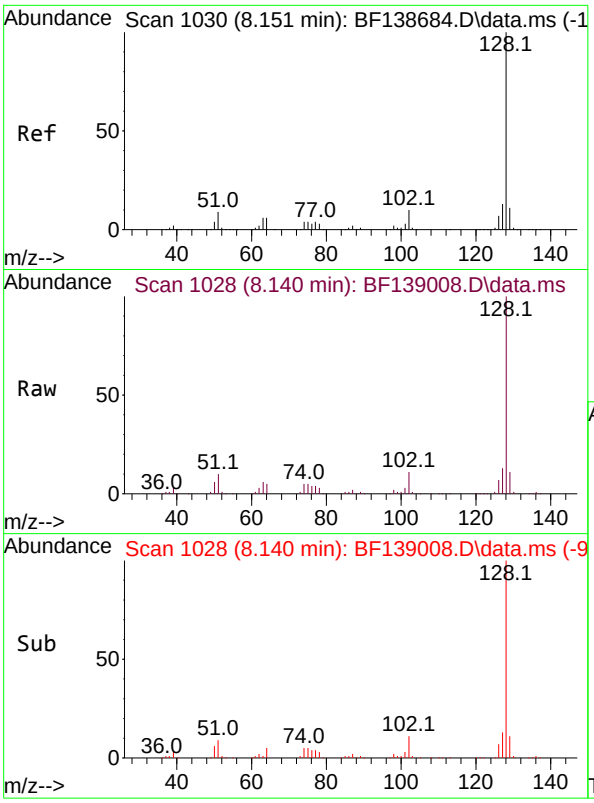


#30
1,2,4-Trichlorobenzene
Concen: 55.493 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:180 Resp: 89677

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.9	115.3
145	34.1	25.0	37.4

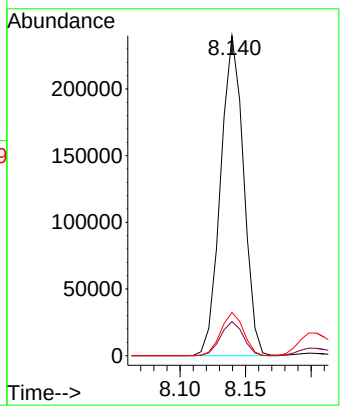




#31
Naphthalene
Concen: 54.523 ng
RT: 8.140 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:128 Resp: 29192

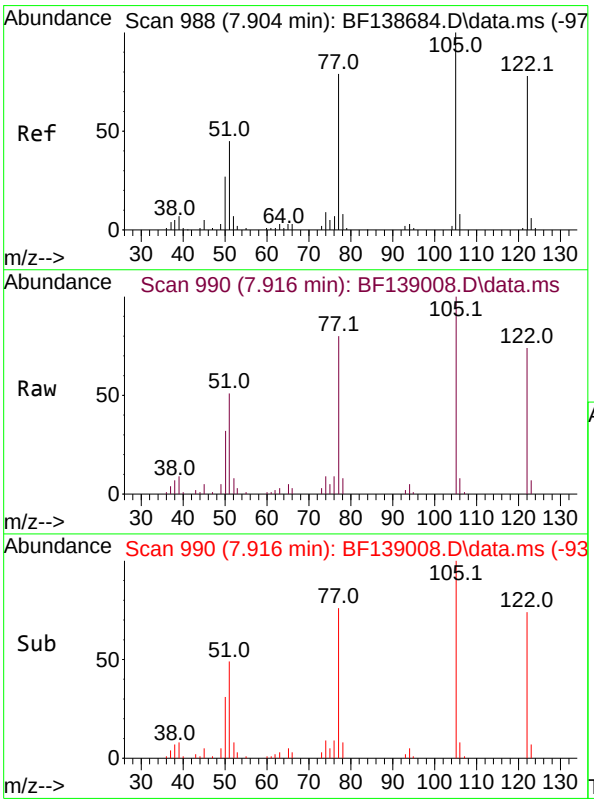
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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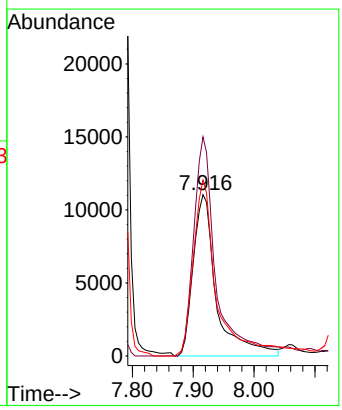
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

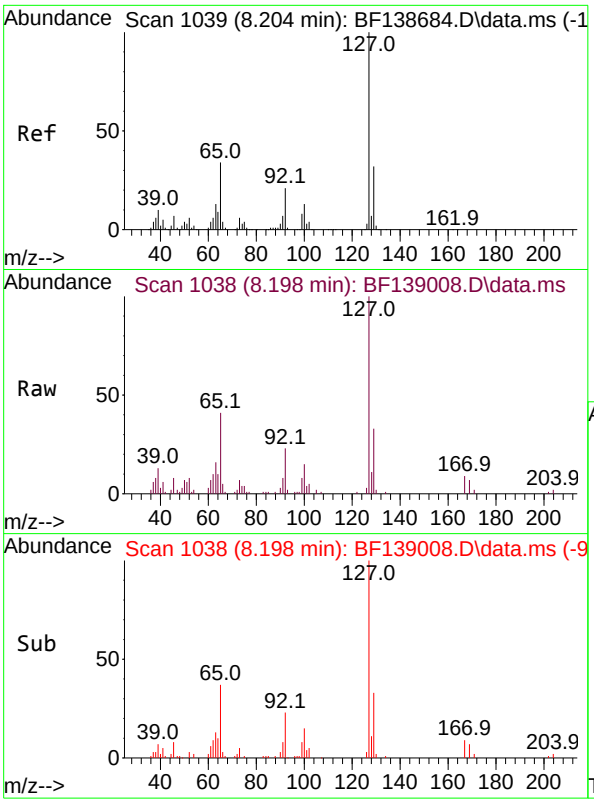


#32
Benzoic acid
Concen: 34.182 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:122 Resp: 29281

Ion	Ratio	Lower	Upper
122	100		
105	135.9	106.7	146.7
77	109.1	81.1	121.1

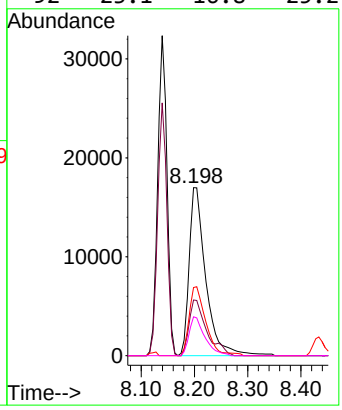




#33
4-Chloroaniline
Concen: 20.586 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:127 Resp: 3699

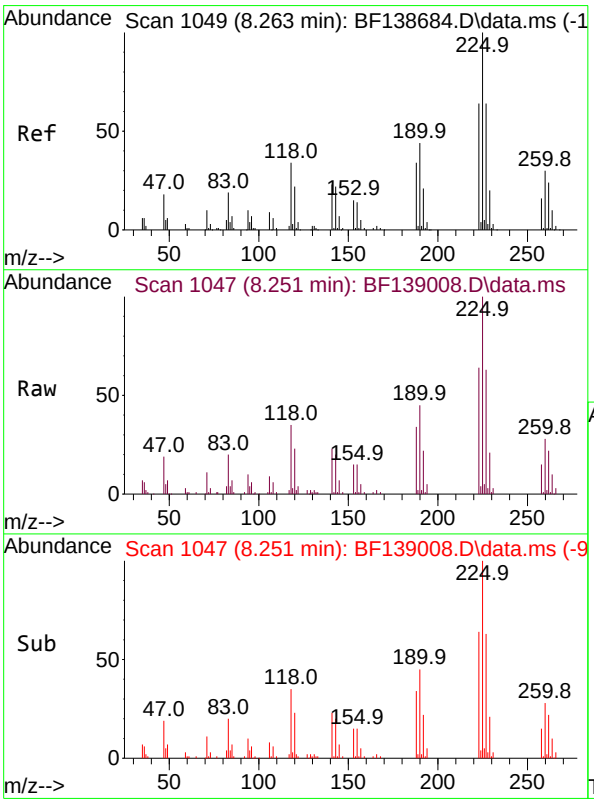
Ion	Ratio	Lower	Upper
127	100		
129	33.1	25.9	38.9
65	40.6	27.6	41.4
92	23.1	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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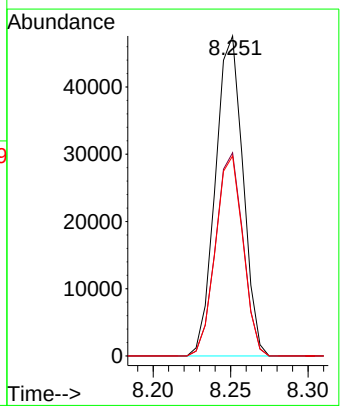
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

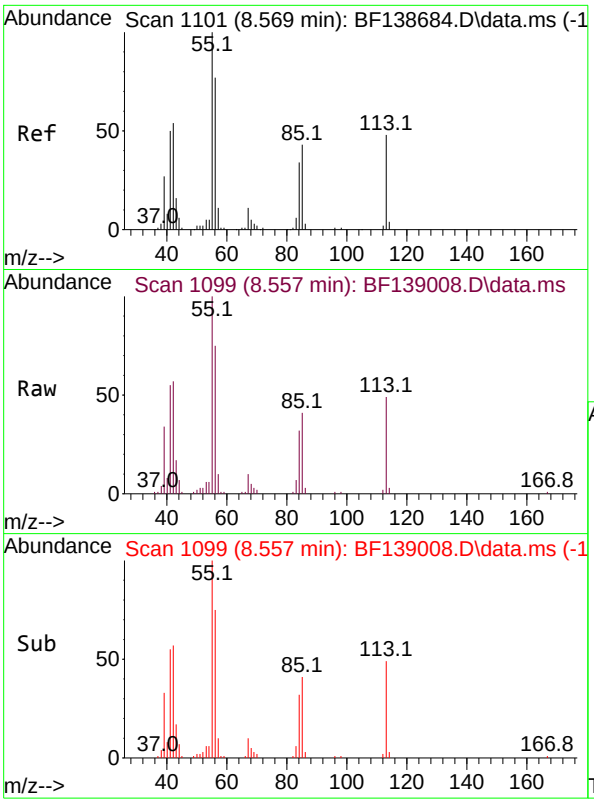


#34
Hexachlorobutadiene
Concen: 60.142 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:225 Resp: 58868

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.2	76.8
227	62.5	51.1	76.7

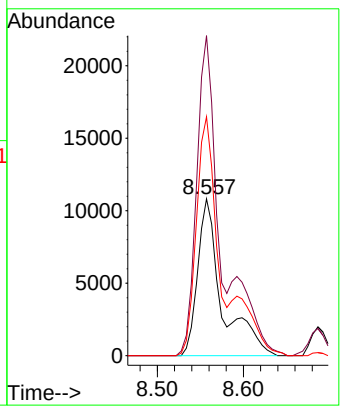




#35
Caprolactam
Concen: 50.776 ng m
RT: 8.557 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:113 Resp: 2121

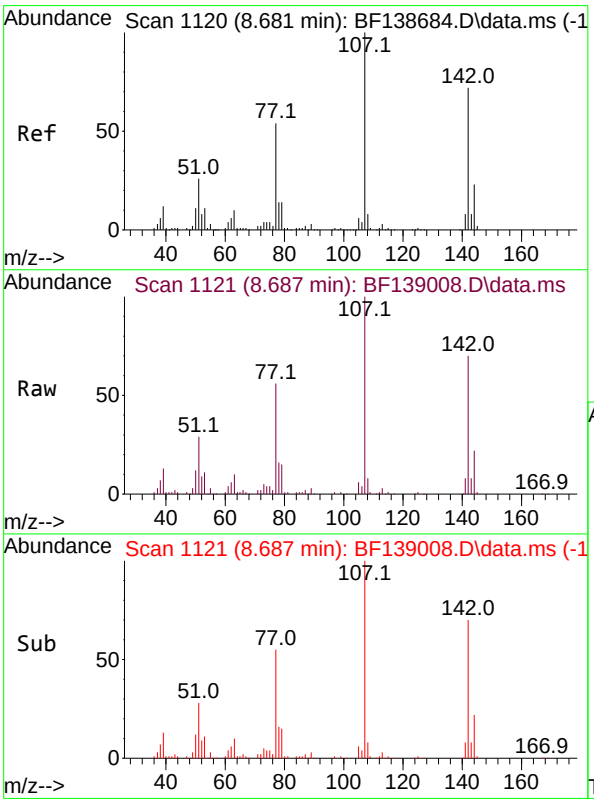
Ion	Ratio	Lower	Upper
113	100		
55	204.1	186.7	226.7
56	152.4	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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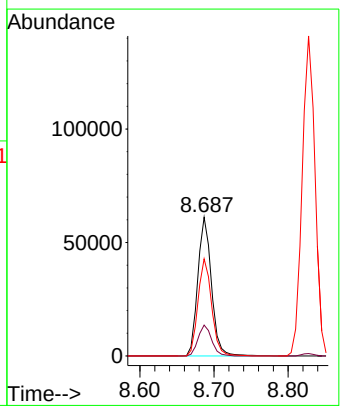
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

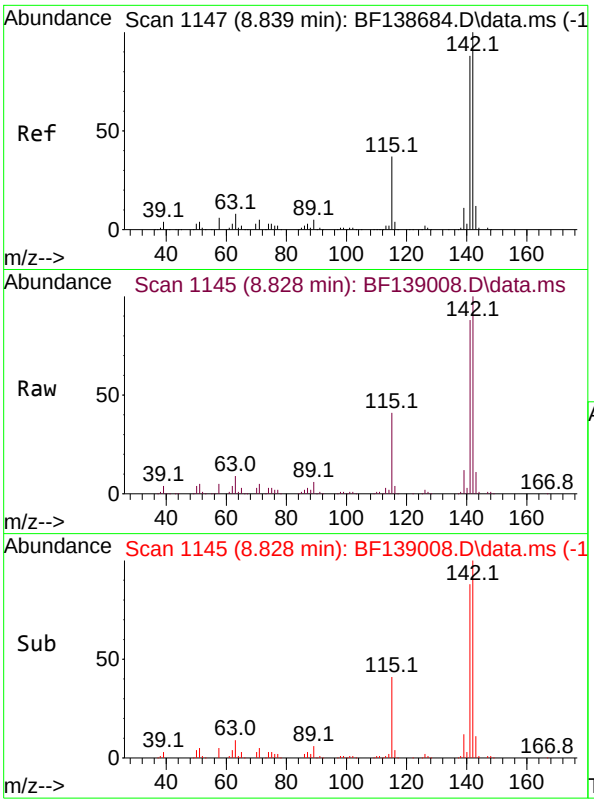


#36
4-Chloro-3-methylphenol
Concen: 49.096 ng
RT: 8.687 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:107 Resp: 78571

Ion	Ratio	Lower	Upper
107	100		
144	22.2	18.2	27.2
142	70.0	57.4	86.2





#37
2-Methylnaphthalene
Concen: 50.308 ng
RT: 8.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

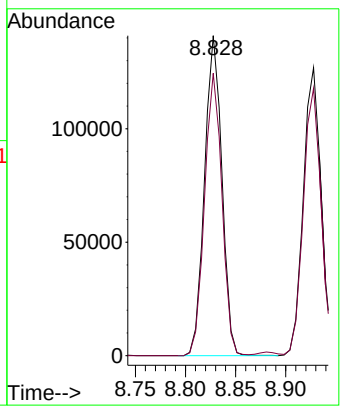
Tgt Ion:142 Resp: 17011(

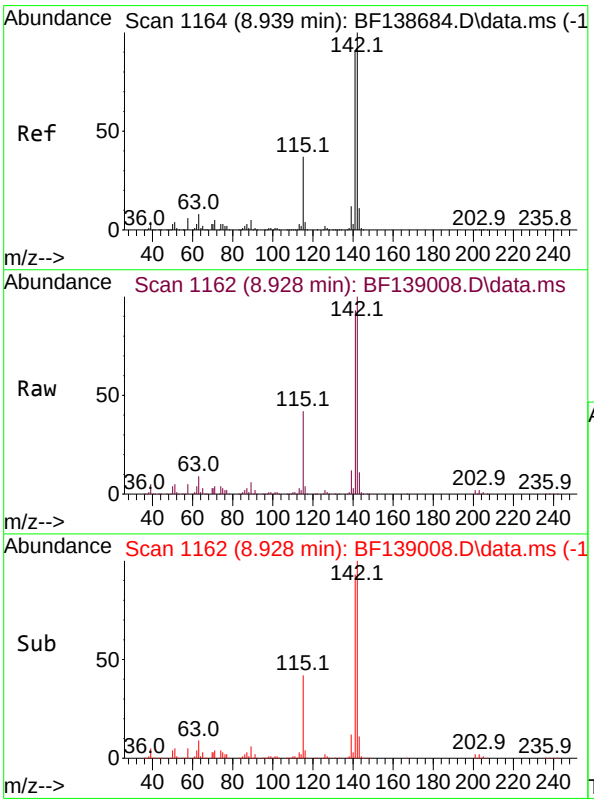
Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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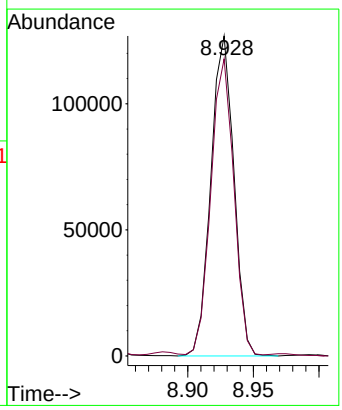


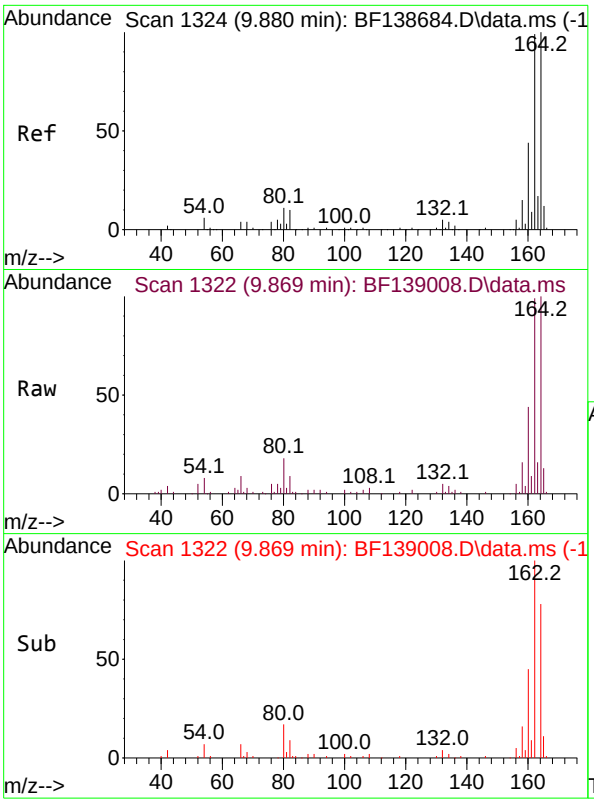


#38
1-Methylnaphthalene
Concen: 46.819 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:142 Resp: 155131

Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.1	109.7

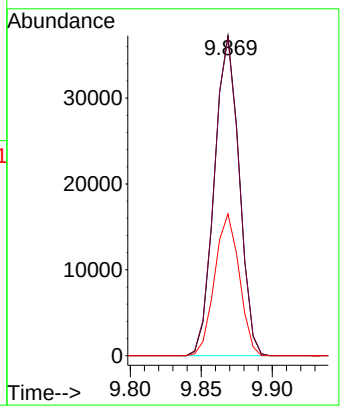




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:164 Resp: 4506

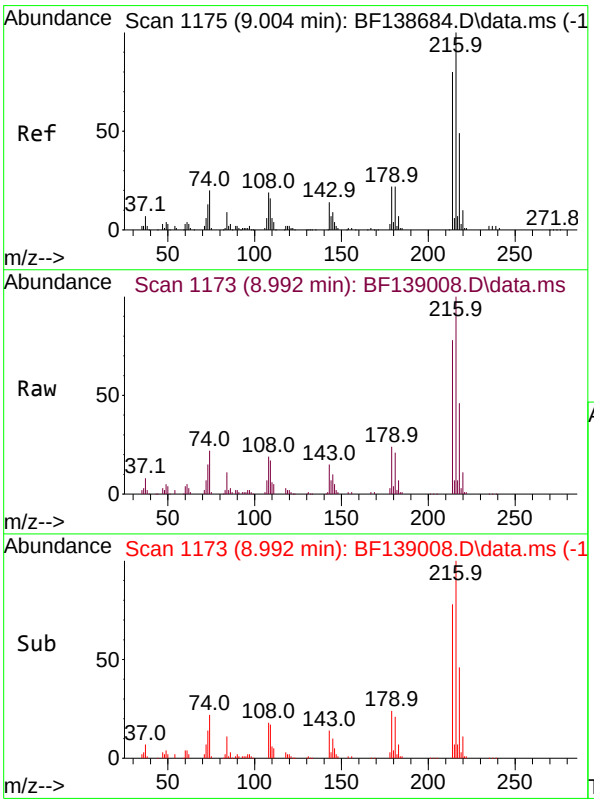
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	44.3	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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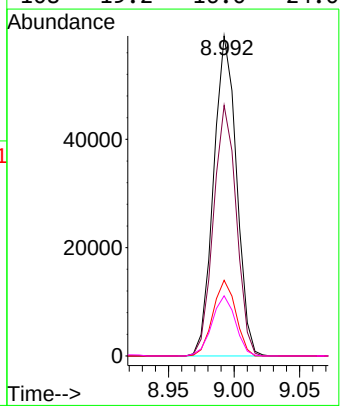
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

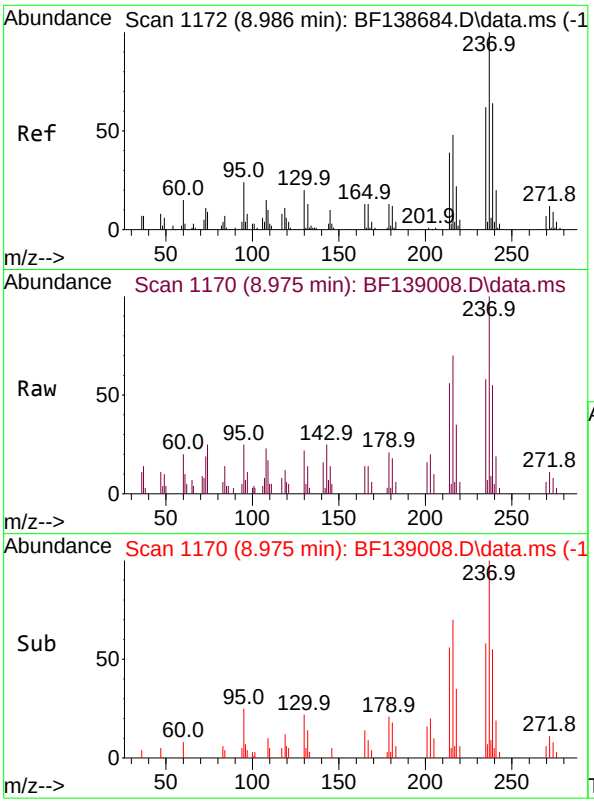


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.375 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:216 Resp: 71819

Ion	Ratio	Lower	Upper
216	100		
214	77.7	63.9	95.9
179	23.5	17.8	26.6
108	19.2	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 24.857 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

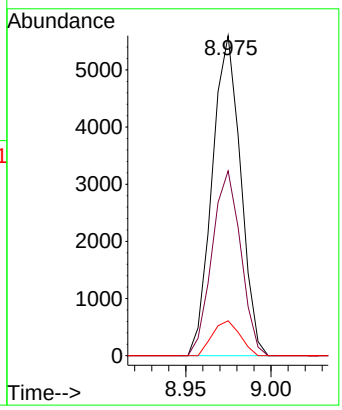
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

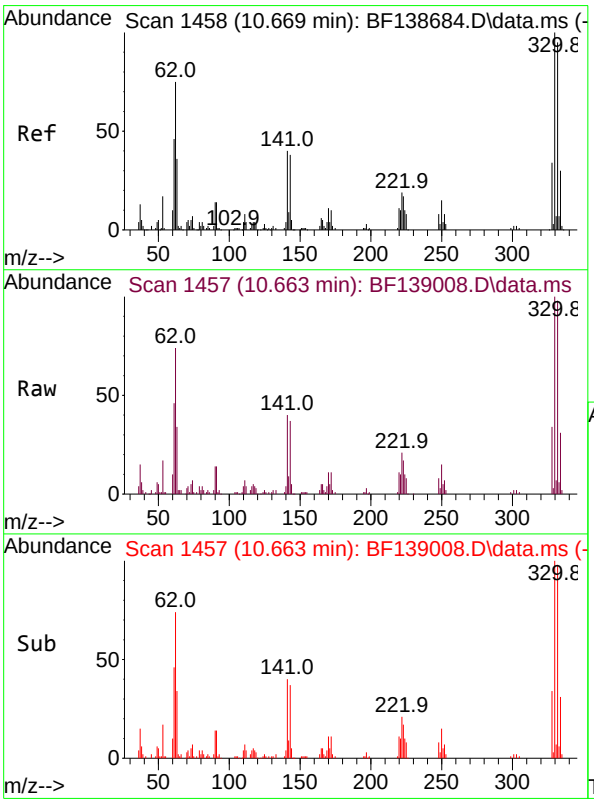
Tgt Ion:237 Resp: 649

Ion	Ratio	Lower	Upper
237	100		
235	57.8	41.8	81.8
272	10.9	0.0	32.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
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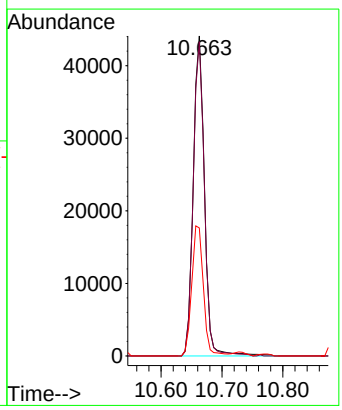


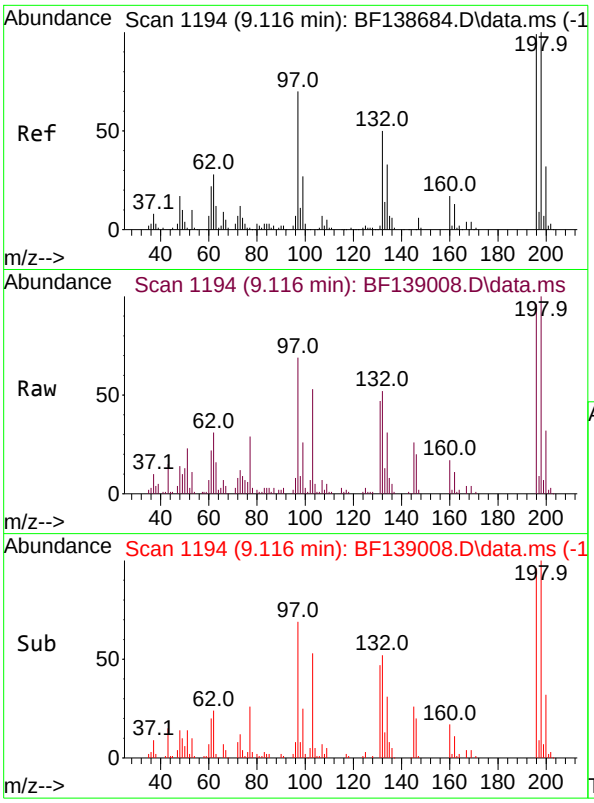


#42
2,4,6-Tribromophenol
Concen: 152.827 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:330 Resp: 56410

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.4	114.6
141	42.3	31.1	46.7

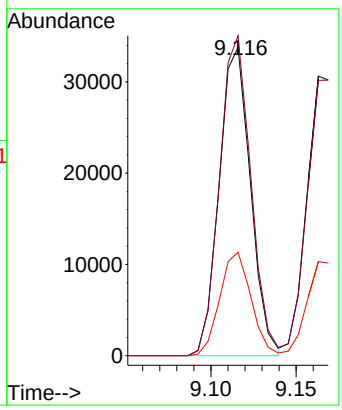




#43
2,4,6-Trichlorophenol
Concen: 56.483 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:196 Resp: 4310

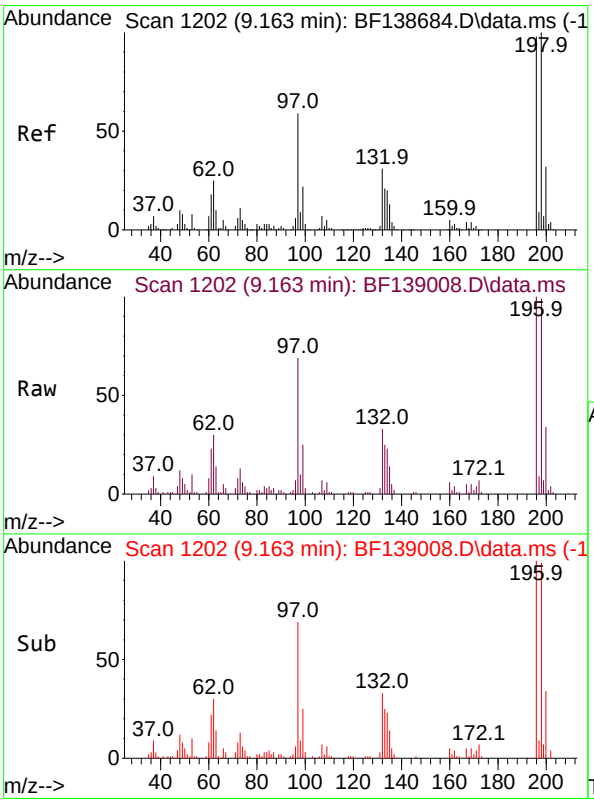
Ion	Ratio	Lower	Upper
196	100		
198	103.8	80.5	120.7
200	33.6	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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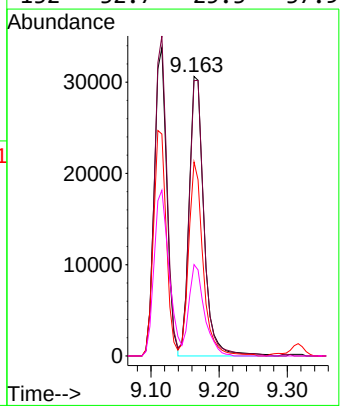
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

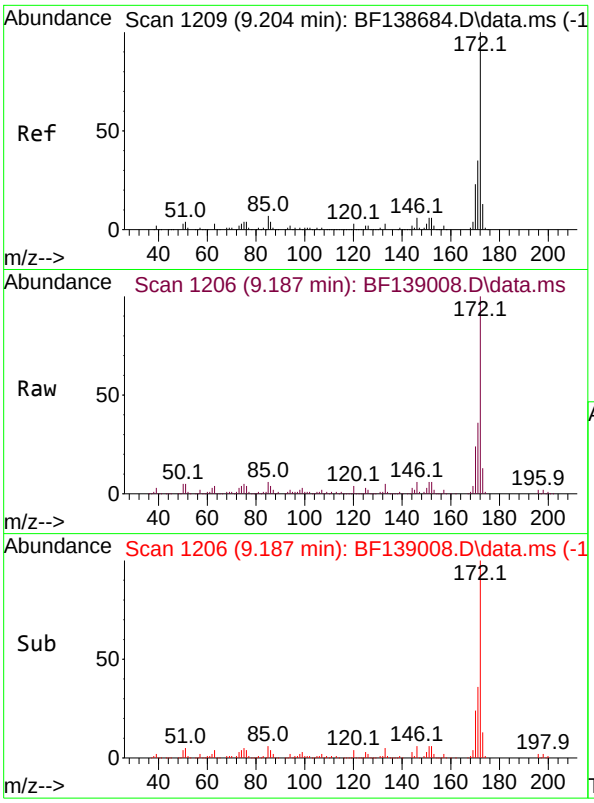


#44
2,4,5-Trichlorophenol
Concen: 54.976 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:196 Resp: 45869

Ion	Ratio	Lower	Upper
196	100		
198	98.5	81.2	121.8
97	69.4	47.8	71.6
132	32.7	25.3	37.9

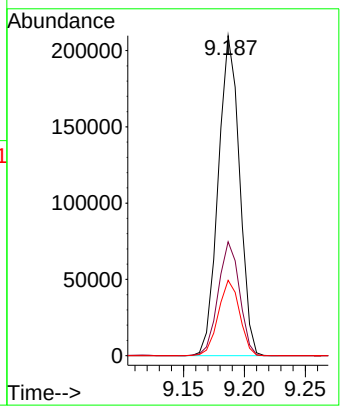




#45
2-Fluorobiphenyl
Concen: 85.103 ng
RT: 9.187 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:172 Resp: 25523

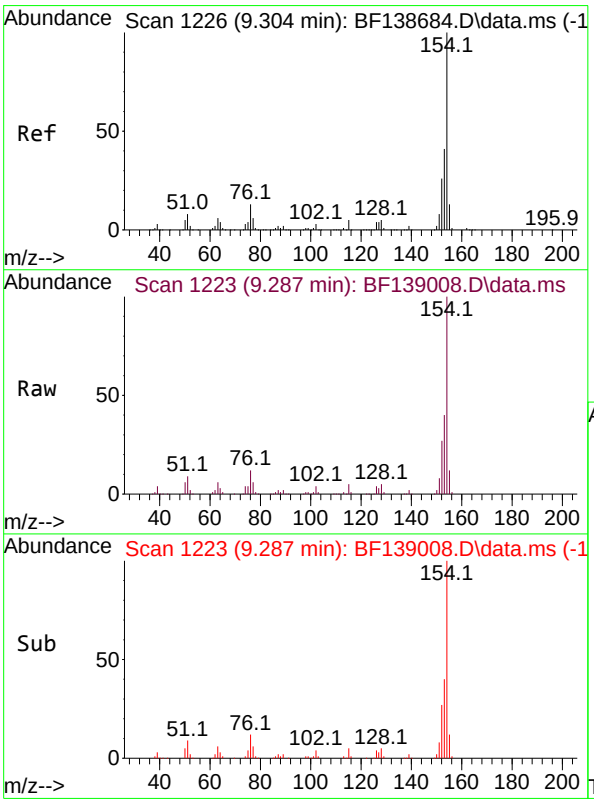
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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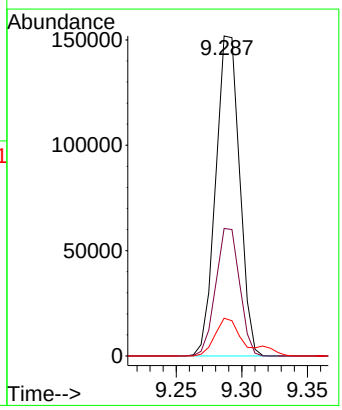
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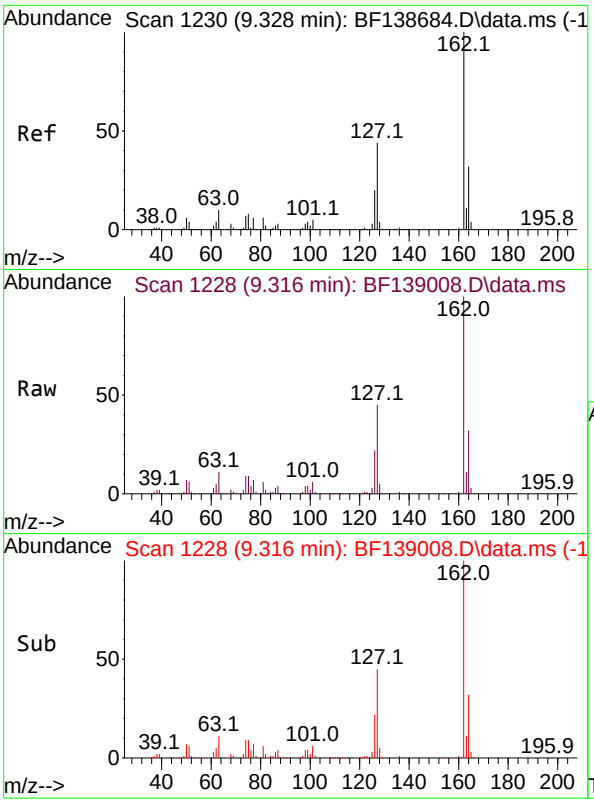


#46
1,1'-Biphenyl
Concen: 54.484 ng
RT: 9.287 min Scan# 1223
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:154 Resp: 192279

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.8	60.8
76	11.8	0.0	32.8

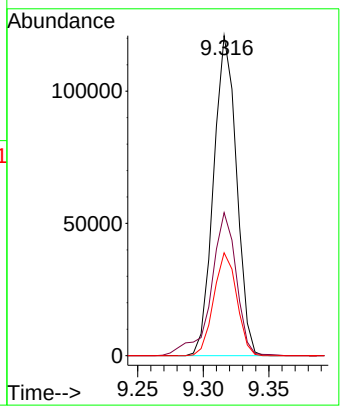




#47
2-Chloronaphthalene
Concen: 56.046 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:162 Resp: 14710

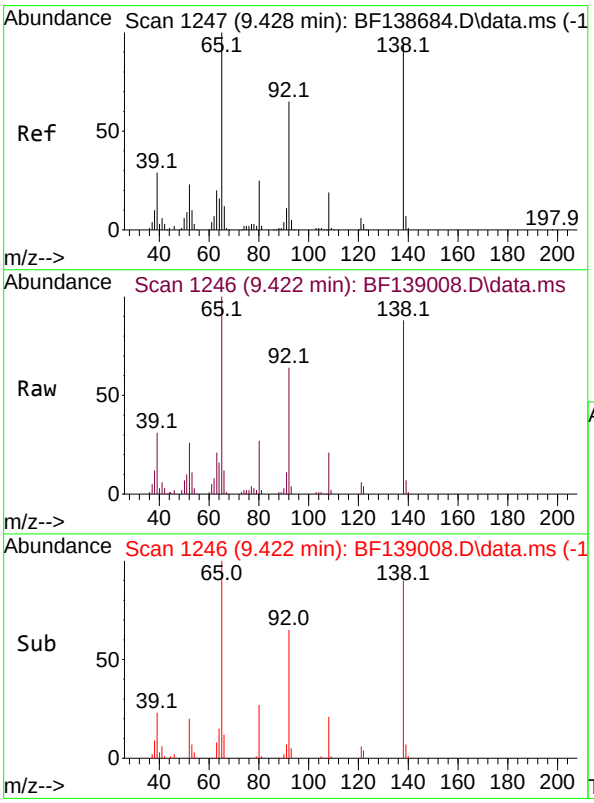
Ion	Ratio	Lower	Upper
162	100		
127	44.7	35.4	53.2
164	32.2	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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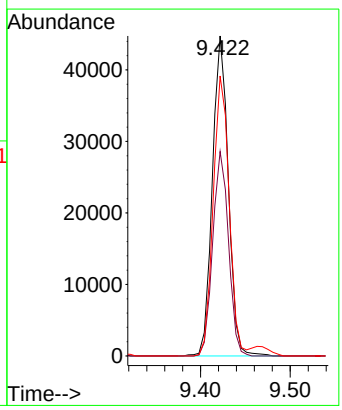
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

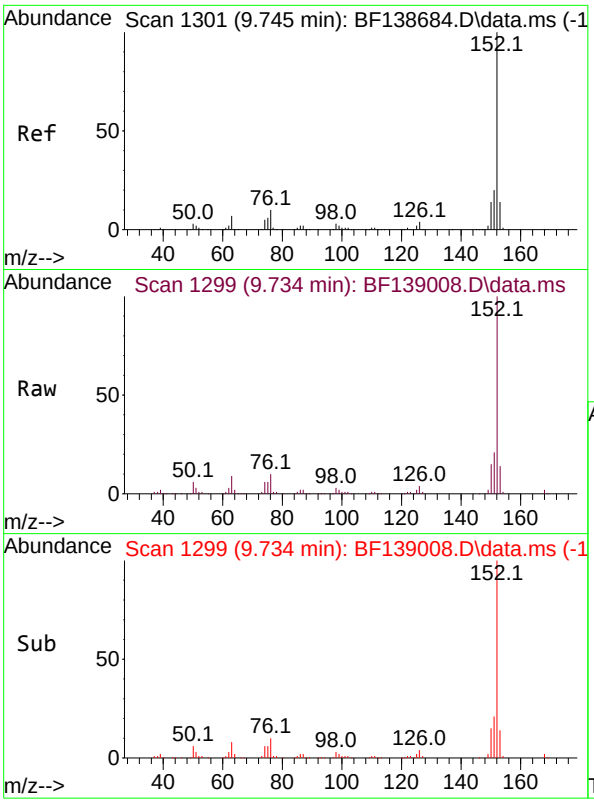


#48
2-Nitroaniline
Concen: 61.932 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 65 Resp: 55108

Ion	Ratio	Lower	Upper
65	100		
92	63.9	52.0	78.0
138	87.5	76.2	114.4

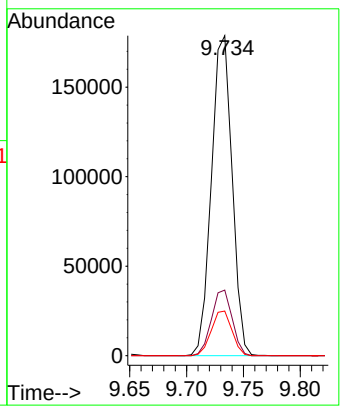




#49
Acenaphthylene
Concen: 60.849 ng
RT: 9.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:152 Resp: 22651

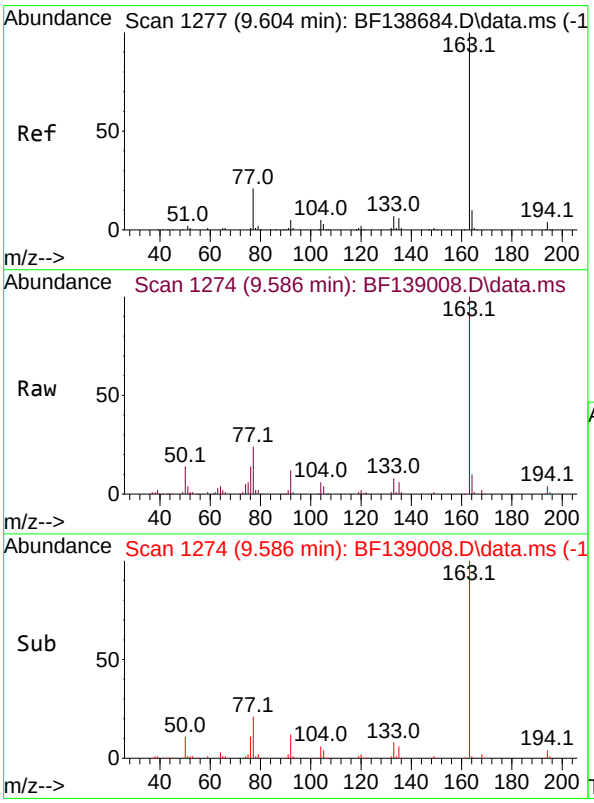
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	13.9	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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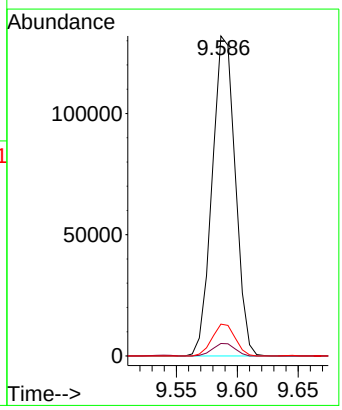
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

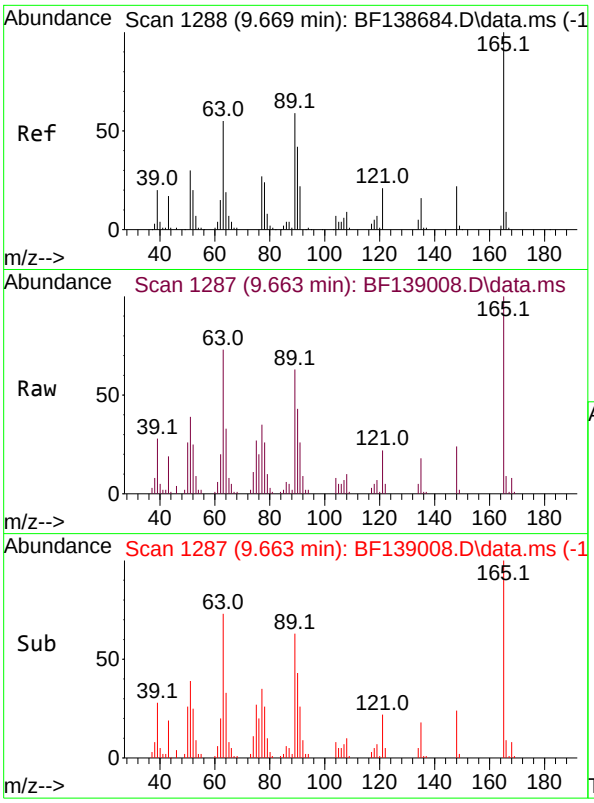


#50
Dimethylphthalate
Concen: 60.476 ng
RT: 9.586 min Scan# 1274
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:163 Resp: 174247

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	9.9	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 55.427 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

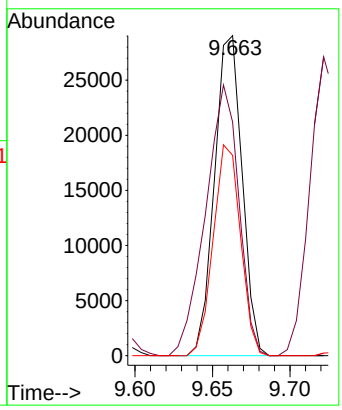
Tgt Ion:165 Resp: 3604

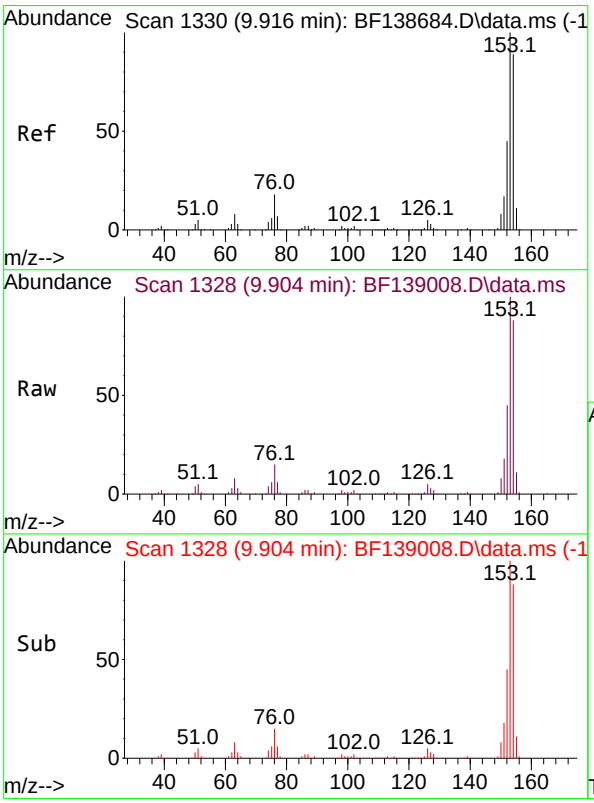
Ion	Ratio	Lower	Upper
165	100		
63	73.0	52.0	78.0
89	62.6	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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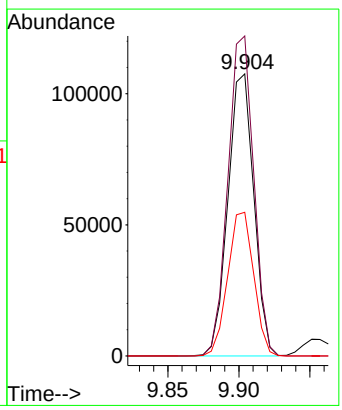


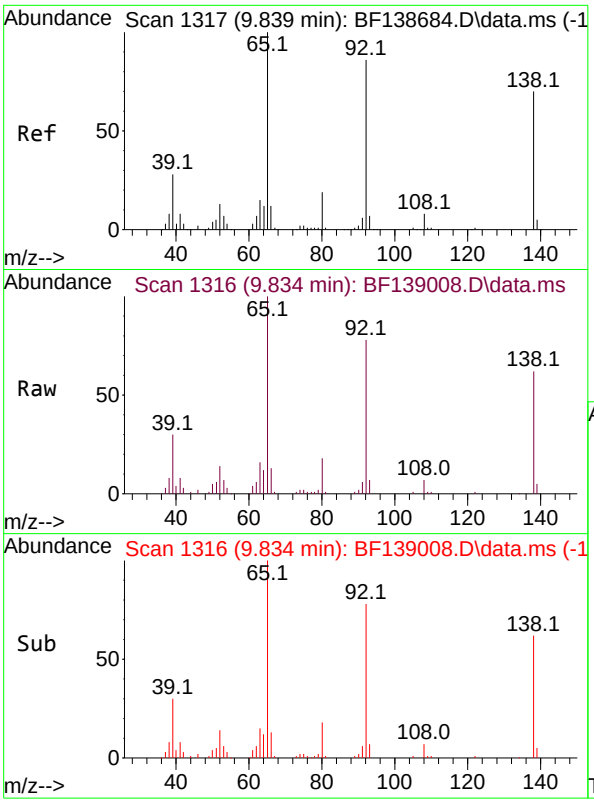


#52
Acenaphthene
Concen: 54.754 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:154 Resp: 137018

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.9	134.9
152	51.0	40.6	60.8





#53
3-Nitroaniline
Concen: 44.974 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

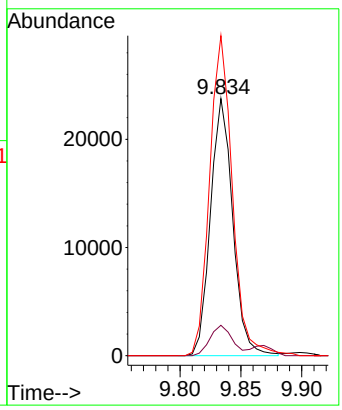
Tgt Ion:138 Resp: 3023

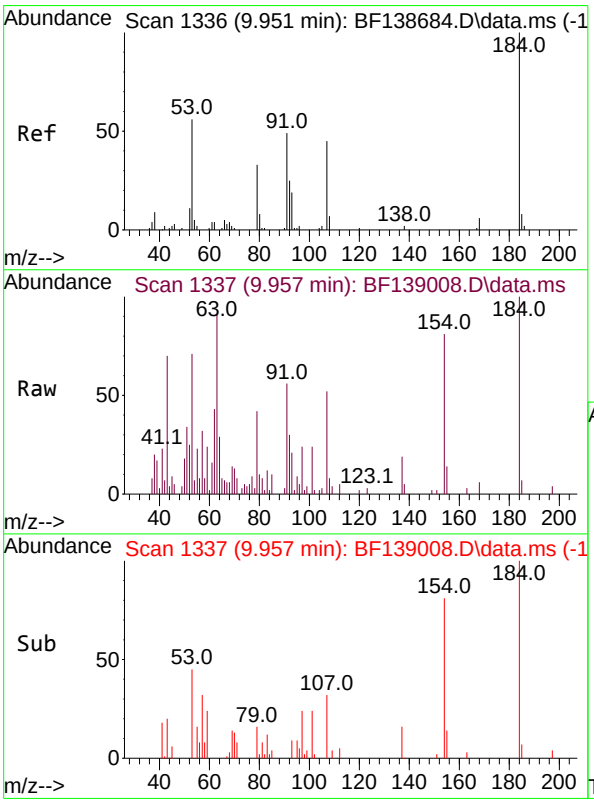
Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	124.4	98.7	148.1

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

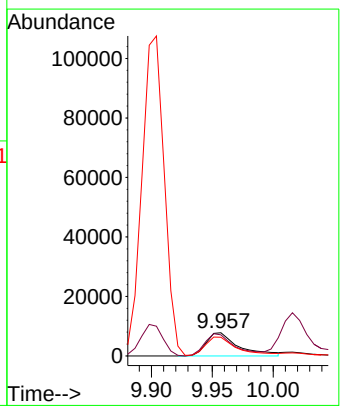


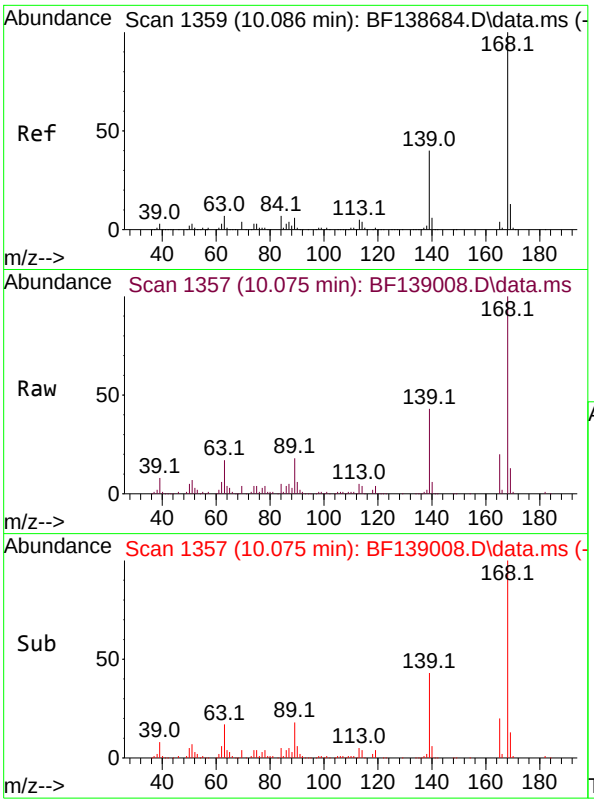


#54
2,4-Dinitrophenol
Concen: 48.311 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:184 Resp: 14461

Ion	Ratio	Lower	Upper
184	100		
63	90.6	57.5	86.3#
154	80.6	51.7	77.5#

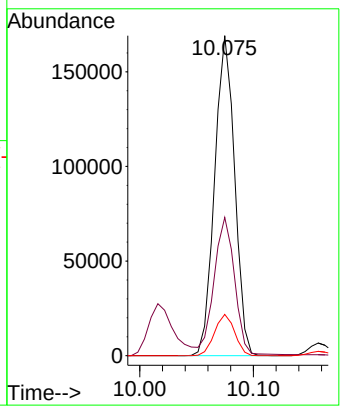




#55
Dibenzofuran
Concen: 58.604 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:168 Resp: 20701

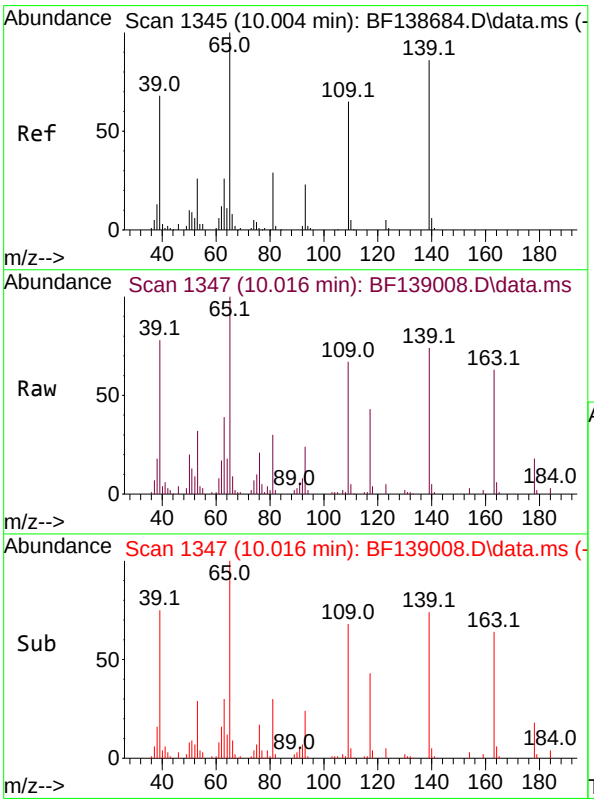
Ion	Ratio	Lower	Upper
168	100		
139	43.2	32.6	49.0
169	12.9	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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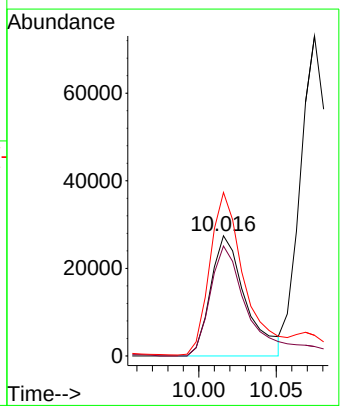
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

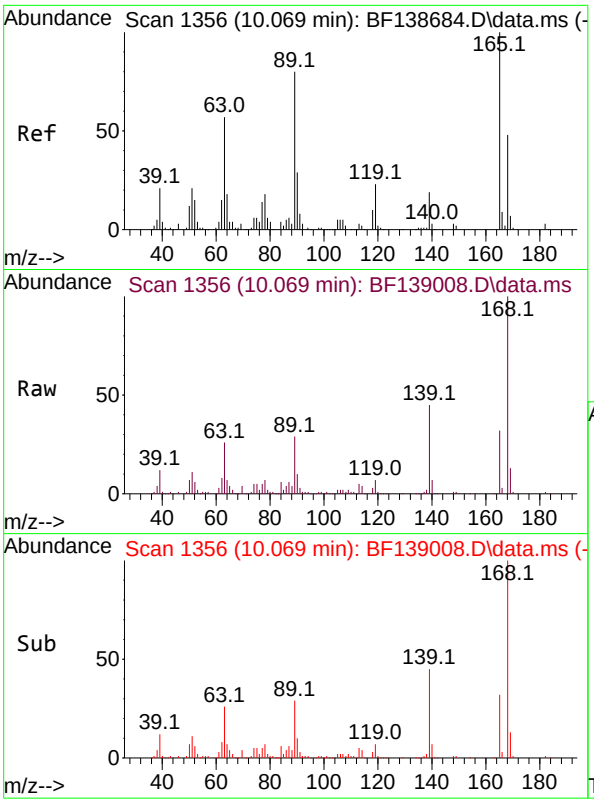


#56
4-Nitrophenol
Concen: 106.444 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:139 Resp: 43028

Ion	Ratio	Lower	Upper
139	100		
109	91.4	55.5	95.5
65	136.0	96.7	136.7

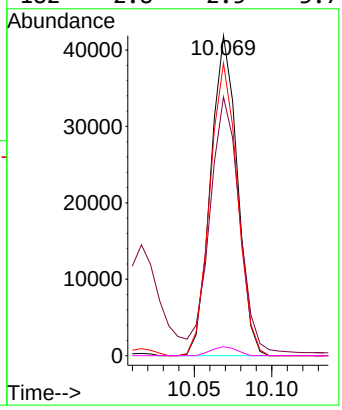




#57
2,4-Dinitrotoluene
Concen: 60.503 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:165 Resp: 5019

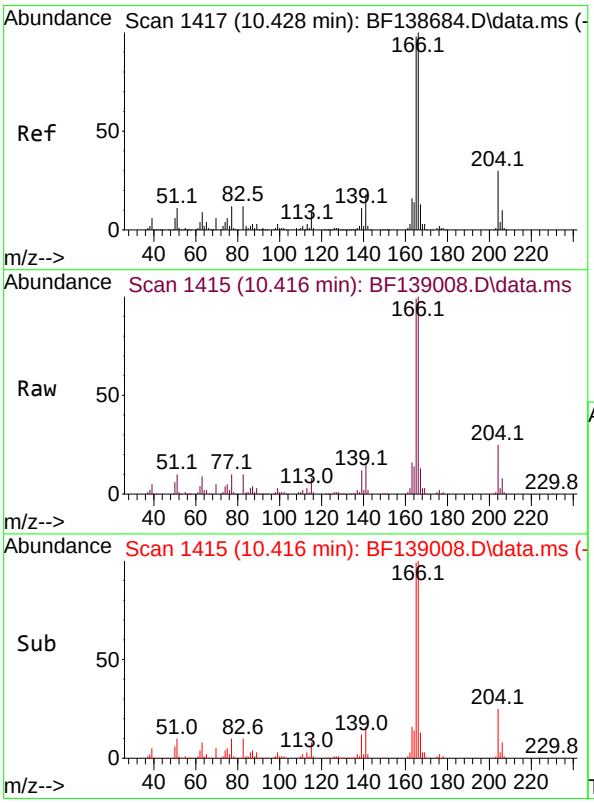
Ion	Ratio	Lower	Upper
165	100		
63	80.8	46.3	69.5
89	91.4	64.2	96.4
182	2.8	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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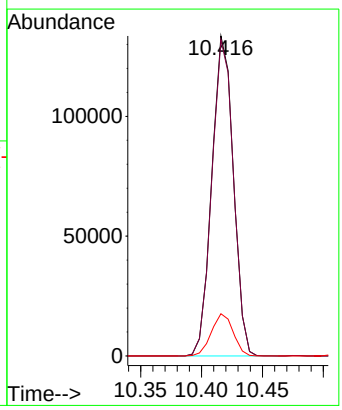
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

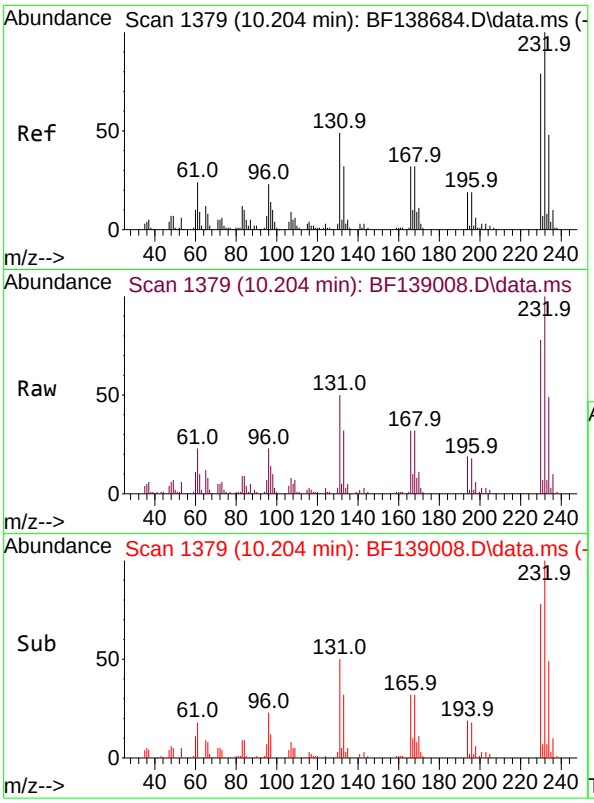


#58
Fluorene
Concen: 58.477 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:166 Resp: 164495

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	13.2	10.6	16.0

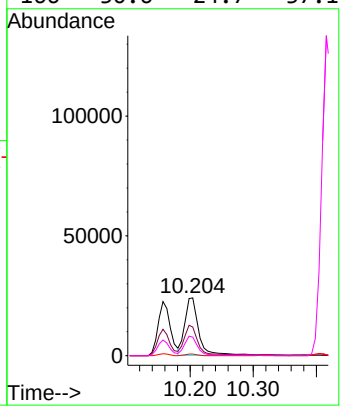




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.938 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:232 Resp: 3695

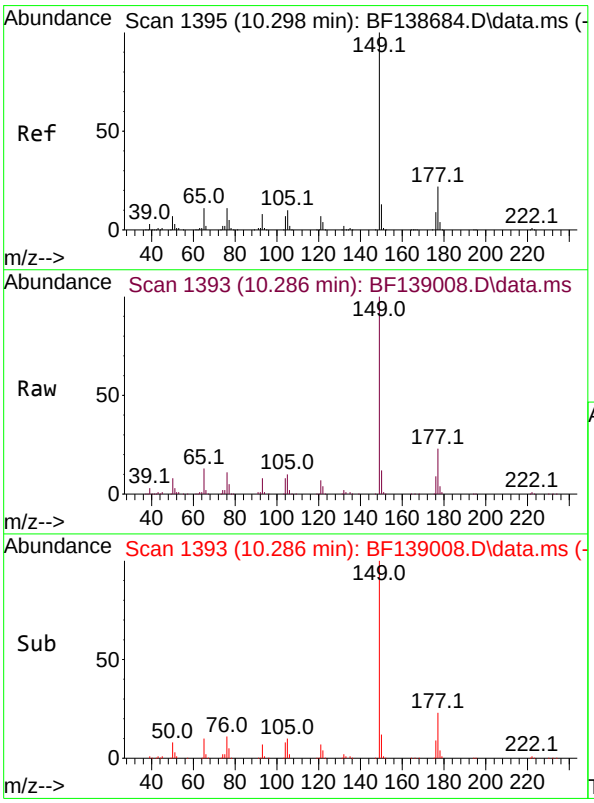
Ion	Ratio	Lower	Upper
232	100		
131	51.7	37.0	55.4
130	2.5	2.0	3.0
166	30.6	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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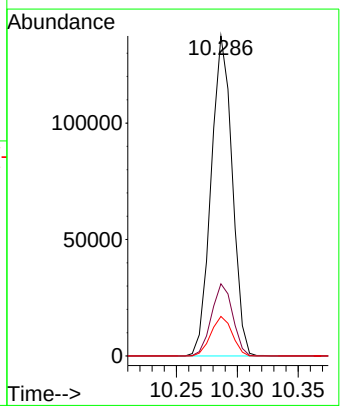
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

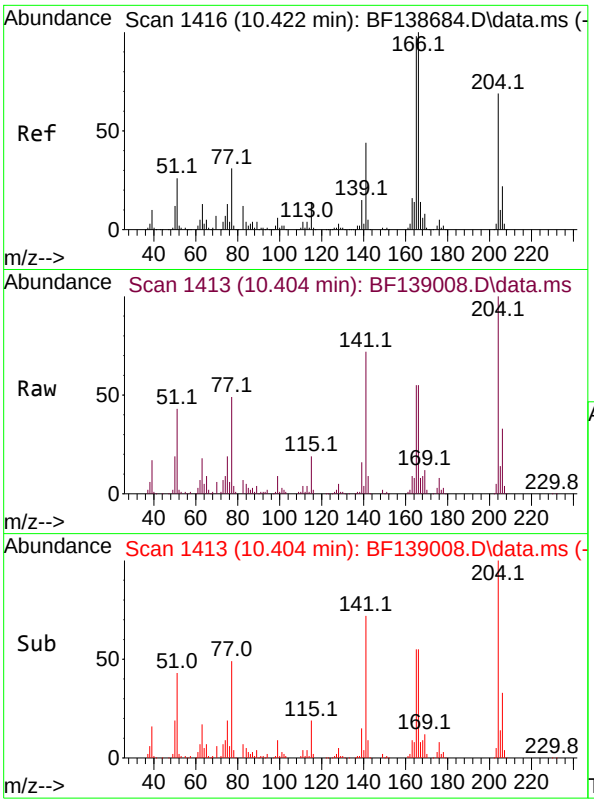


#60
Diethylphthalate
Concen: 60.712 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:149 Resp: 165861

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 56.628 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

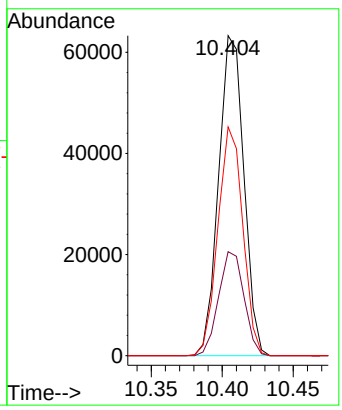
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

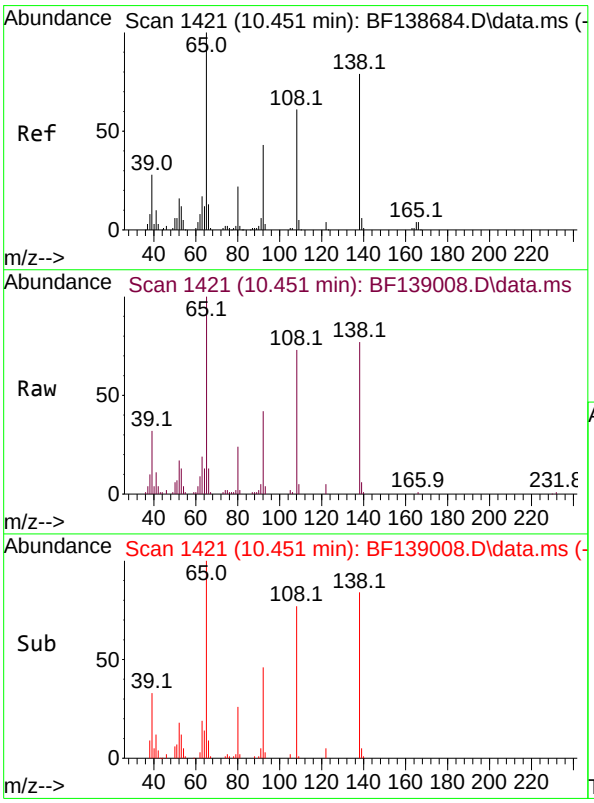
Tgt Ion:204 Resp: 7834

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.1	39.1
141	71.5	51.4	77.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
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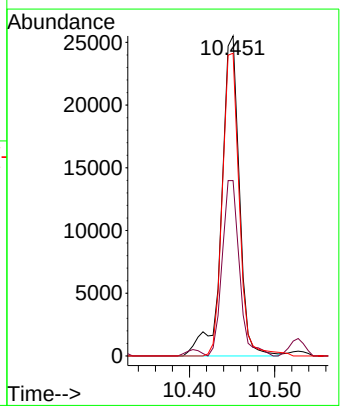


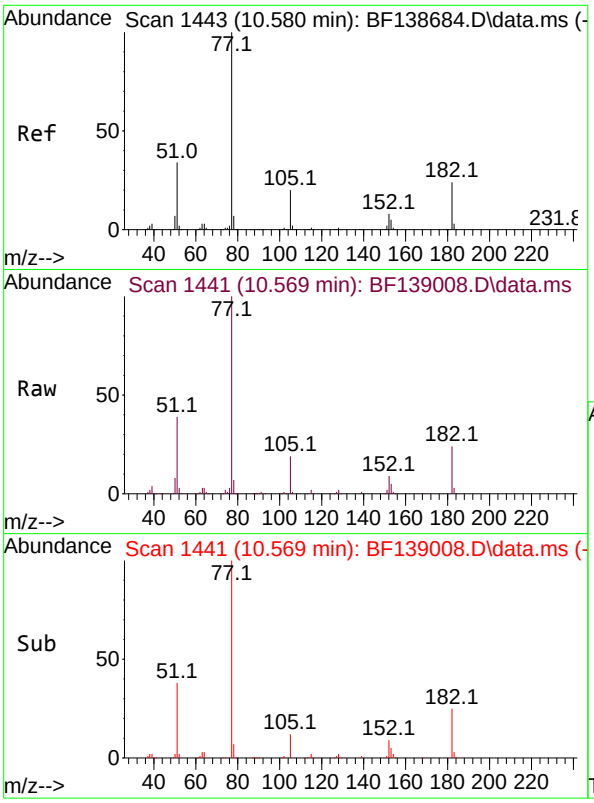


#62
4-Nitroaniline
Concen: 57.753 ng
RT: 10.451 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:138 Resp: 36893

Ion	Ratio	Lower	Upper
138	100		
92	54.8	34.2	74.2
108	94.6	56.2	96.2

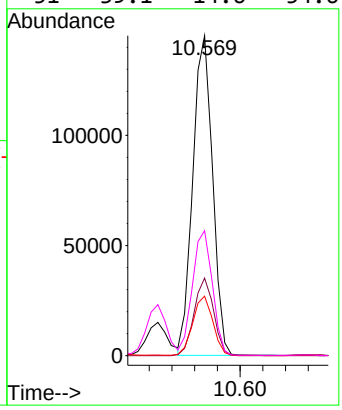




#63
Azobenzene
Concen: 57.856 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion: 77 Resp: 17530

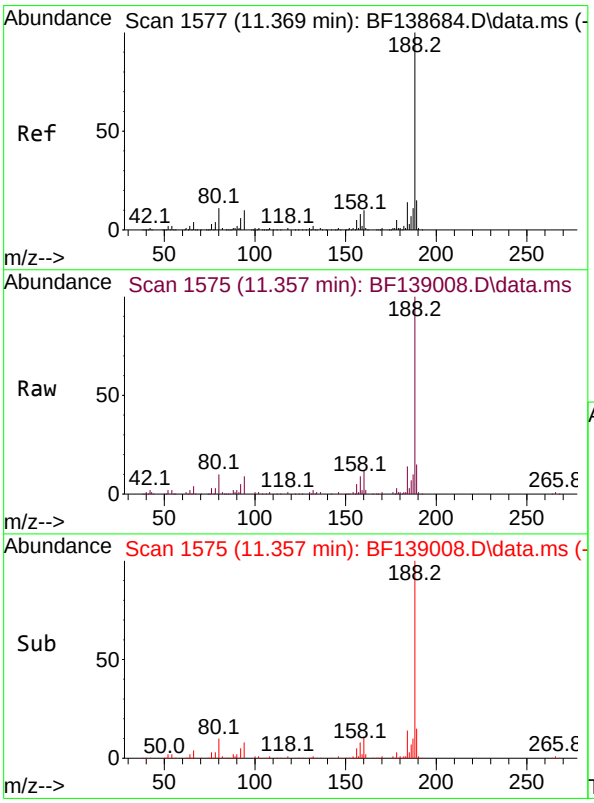
Ion	Ratio	Lower	Upper
77	100		
182	24.3	3.4	43.4
105	18.6	0.2	40.2
51	39.1	14.6	54.6



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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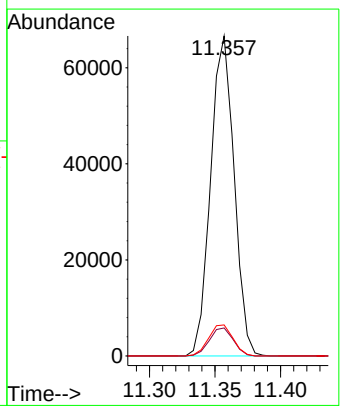
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

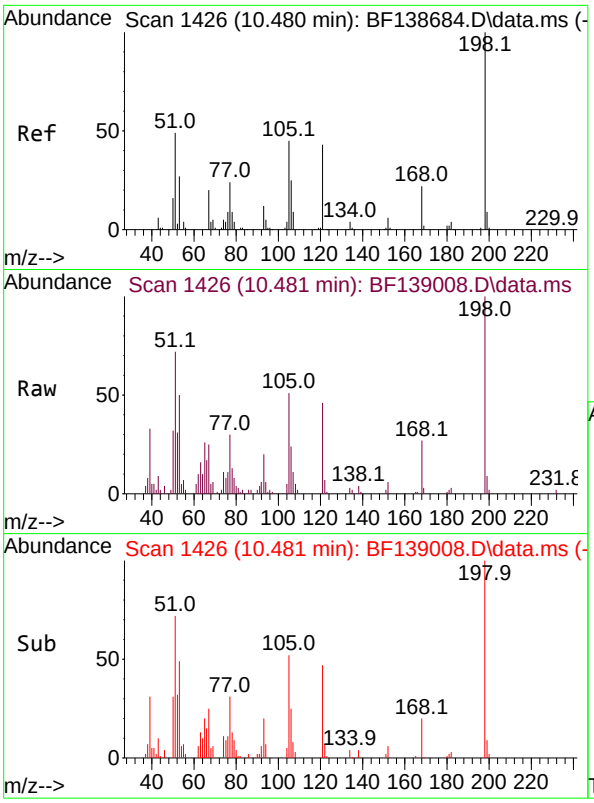


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:188 Resp: 82982

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.6	11.4
80	9.7	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 30.990 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

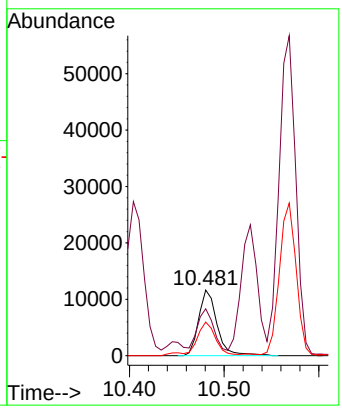
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

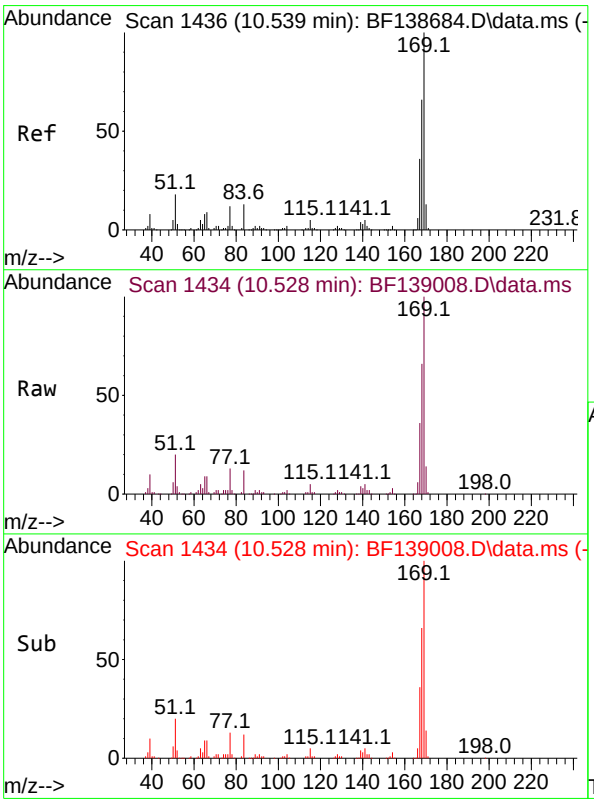
Tgt Ion:198 Resp: 1568

Ion	Ratio	Lower	Upper
198	100		
51	71.6	39.9	79.9
105	51.2	26.1	66.1

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

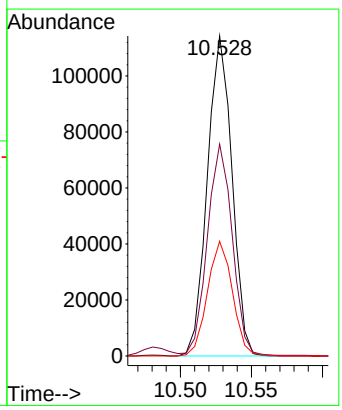


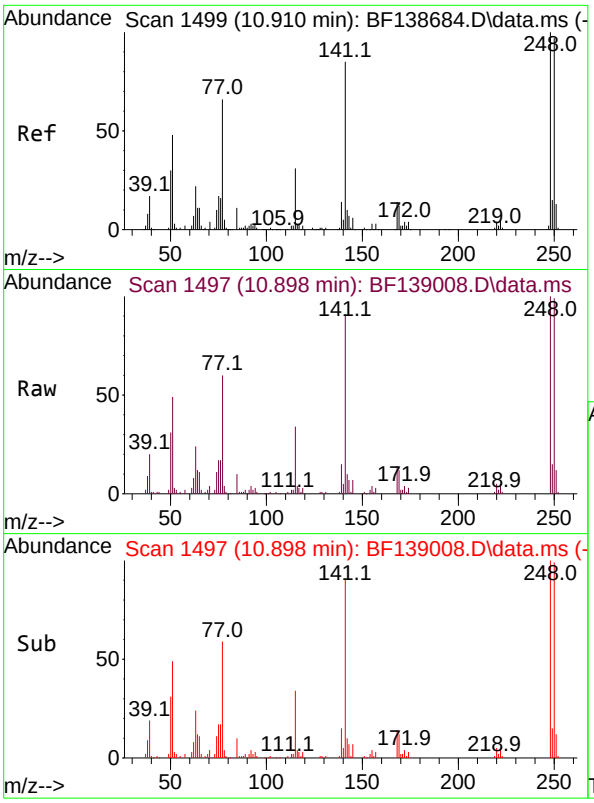


#66
n-Nitrosodiphenylamine
Concen: 53.173 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:169 Resp: 137922

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.8	29.0	43.6

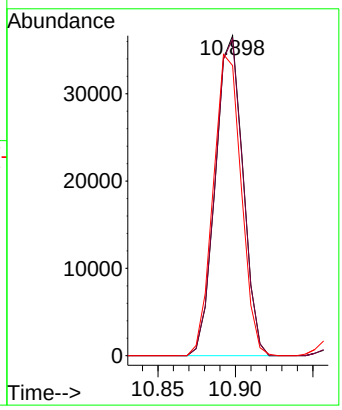




#67
4-Bromophenyl-phenylether
Concen: 50.391 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:248 Resp: 4527

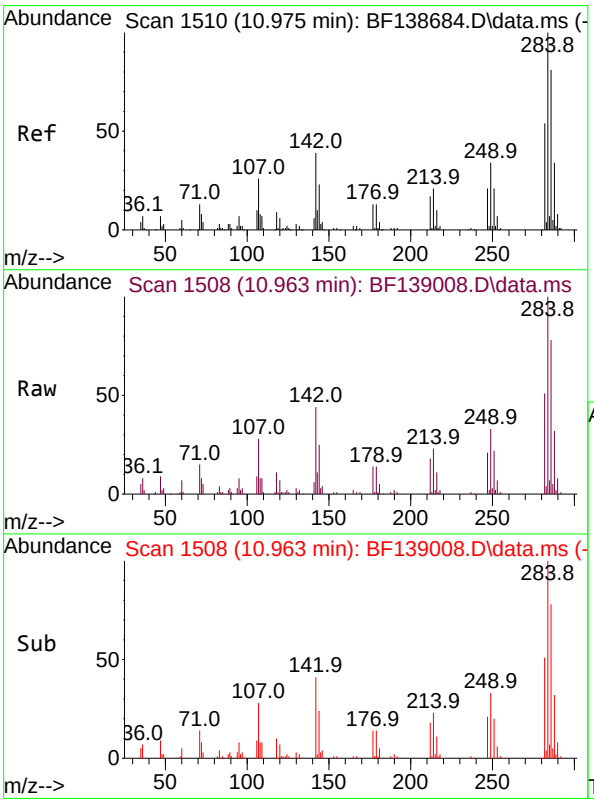
Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.7	116.5
141	90.6	68.0	102.0



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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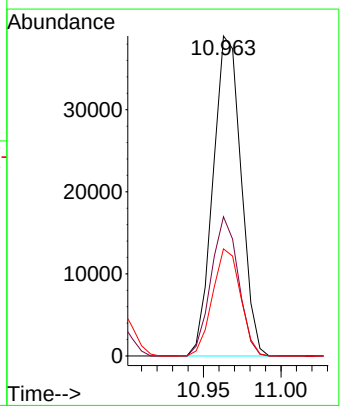
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

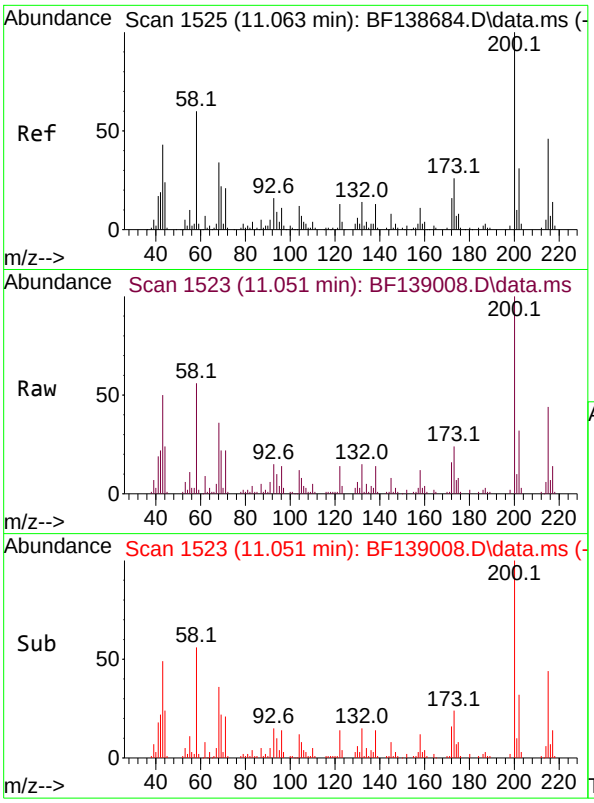


#68
Hexachlorobenzene
Concen: 52.841 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:284 Resp: 49018

Ion	Ratio	Lower	Upper
284	100		
142	43.5	31.3	46.9
249	33.4	27.2	40.8

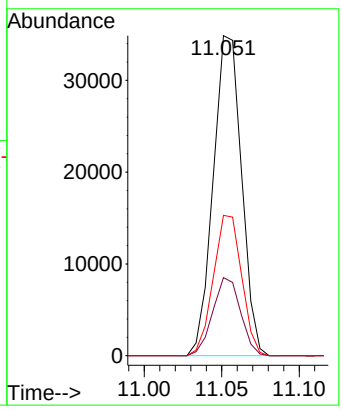




#69
Atrazine
Concen: 66.258 ng
RT: 11.051 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:200 Resp: 4434

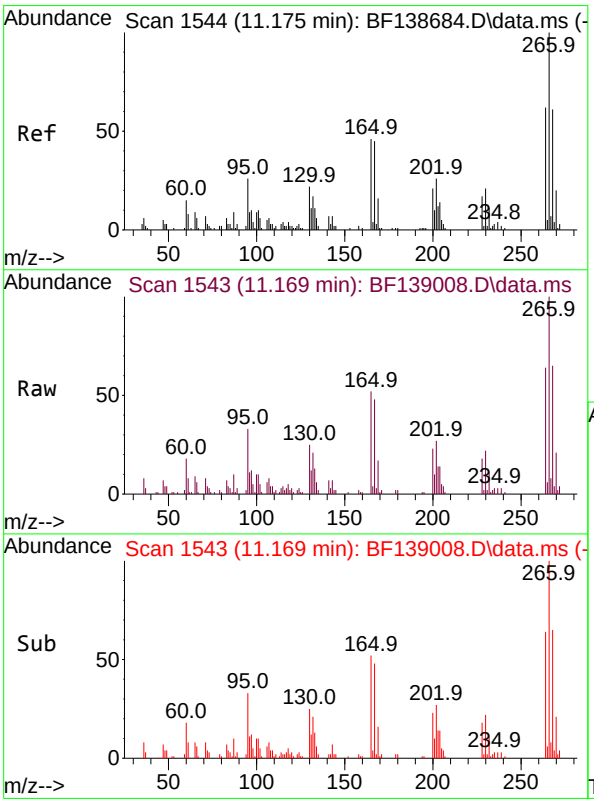
Ion	Ratio	Lower	Upper
200	100		
173	24.4	6.0	46.0
215	43.9	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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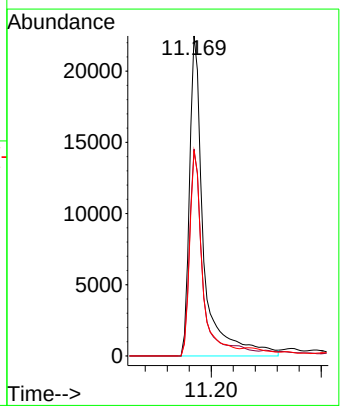
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

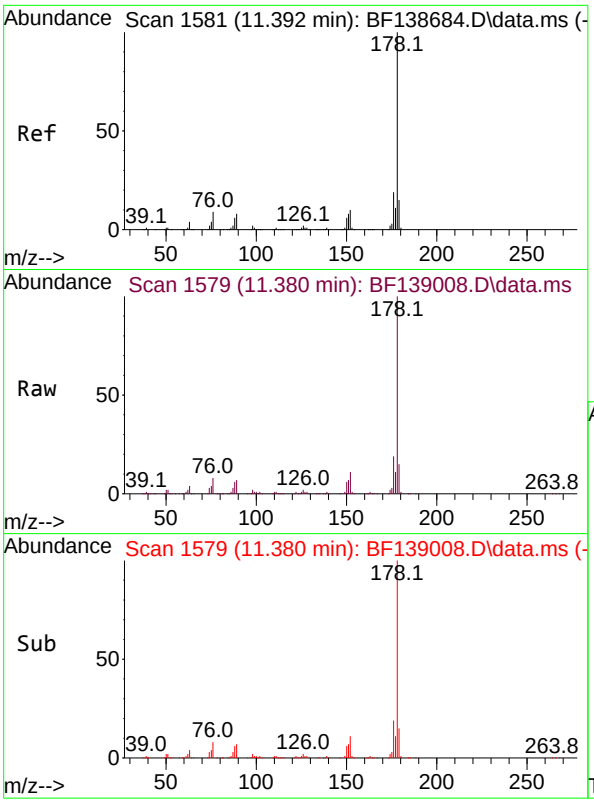


#70
Pentachlorophenol
Concen: 96.069 ng
RT: 11.169 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:266 Resp: 40169

Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.2	73.8
264	64.0	49.8	74.6

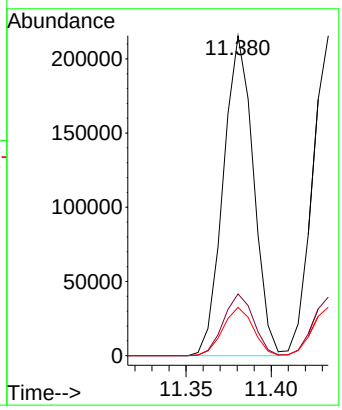




#71
Phenanthrene
Concen: 61.923 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:178 Resp: 26459

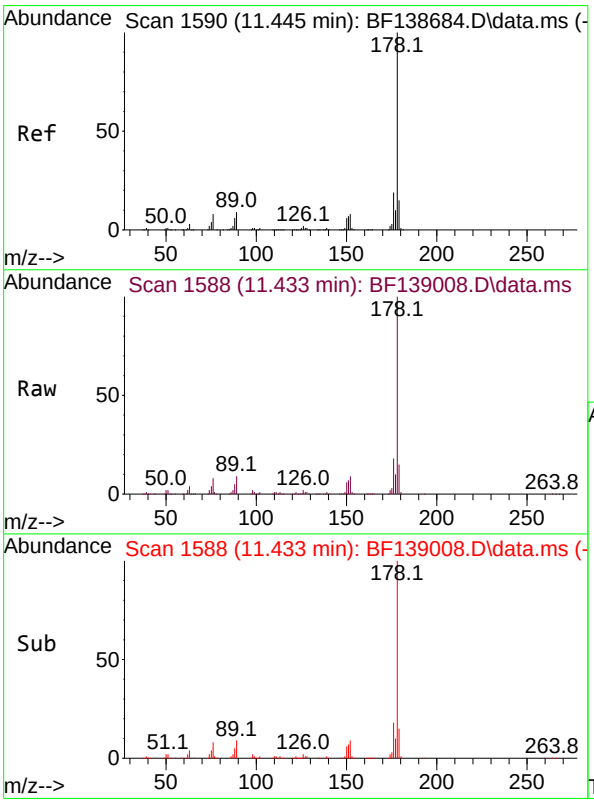
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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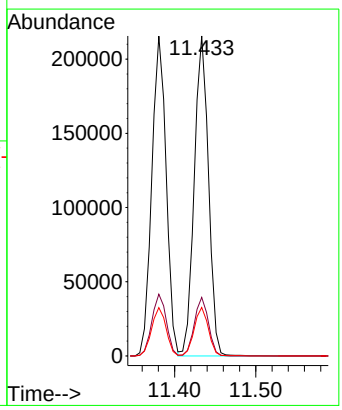
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

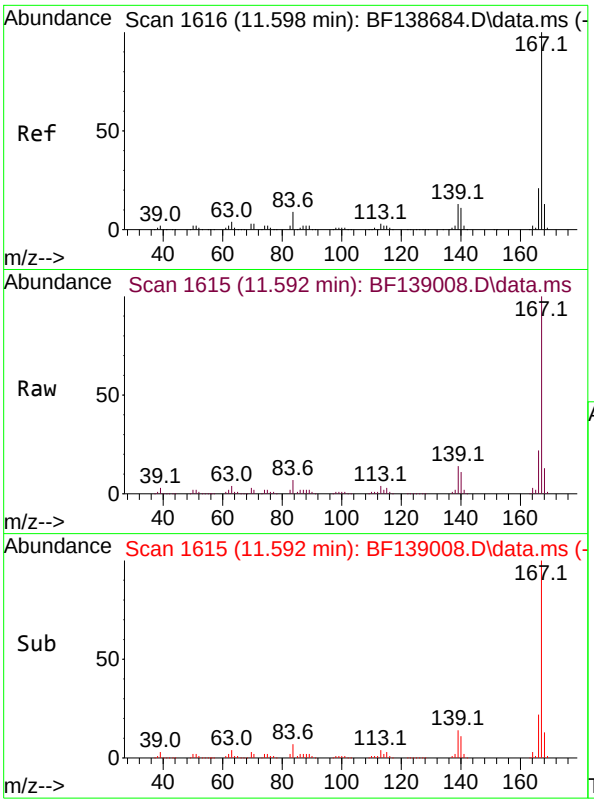


#72
Anthracene
Concen: 62.629 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:178 Resp: 263631

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	15.1	12.4	18.6

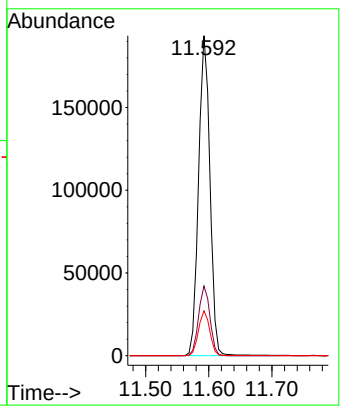




#73
Carbazole
Concen: 66.494 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:167 Resp: 24148

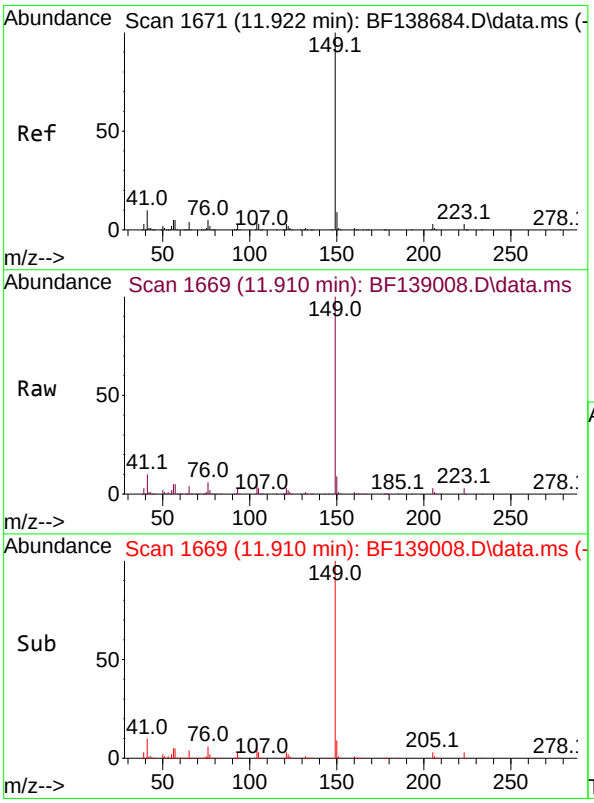
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	14.0	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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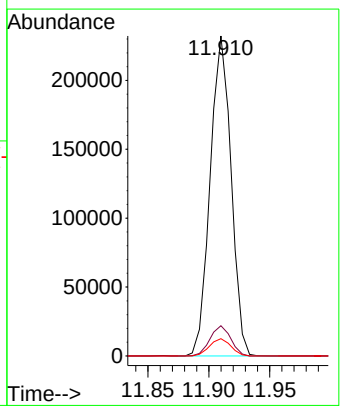
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

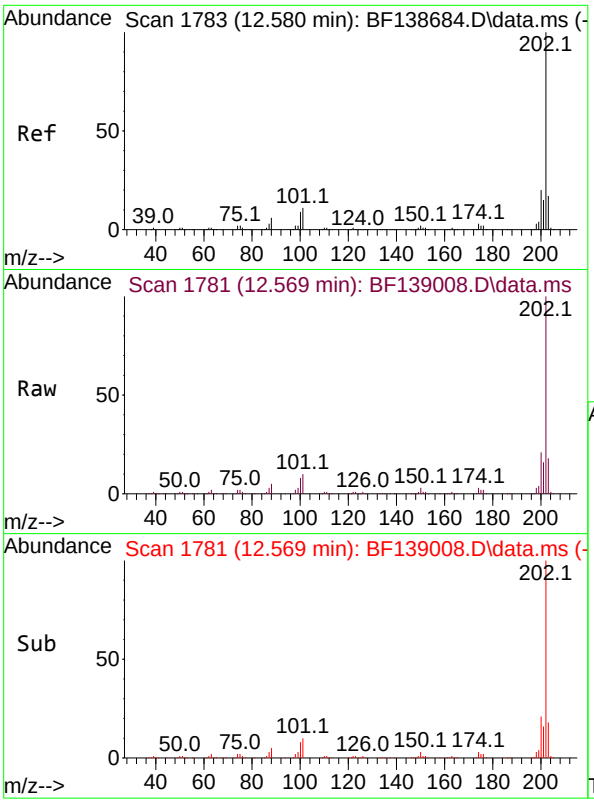


#74
Di-n-butylphthalate
Concen: 67.954 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:149 Resp: 277429

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	5.4	4.1	6.1

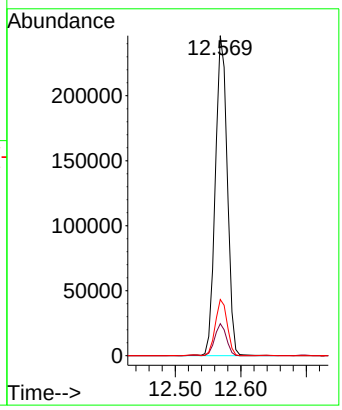




#75
Fluoranthene
Concen: 77.733 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:202 Resp: 31007

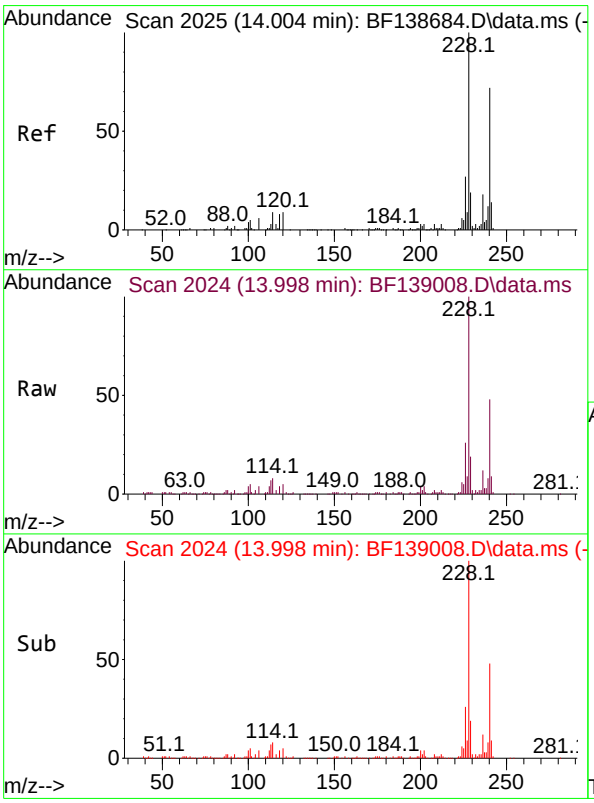
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.2
203	17.6	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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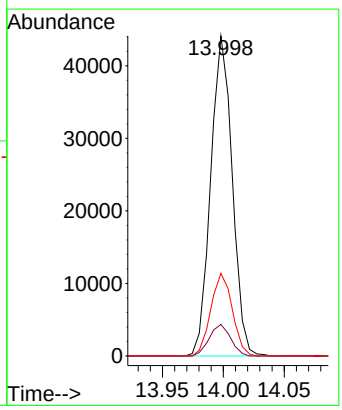
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

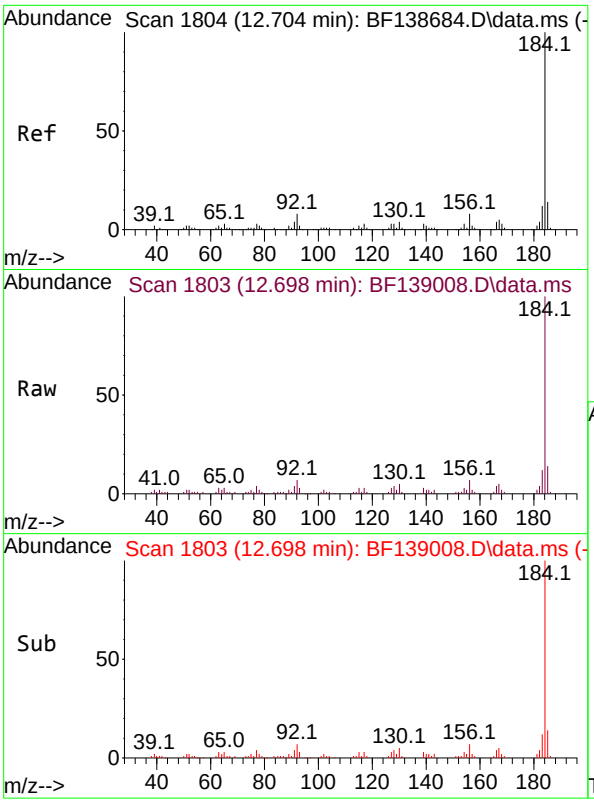


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:240 Resp: 54235

Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.2	15.4#
236	25.8	19.8	29.8

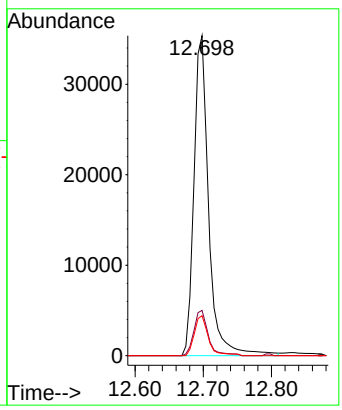




#77
Benzidine
Concen: 40.833 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:184 Resp: 5296

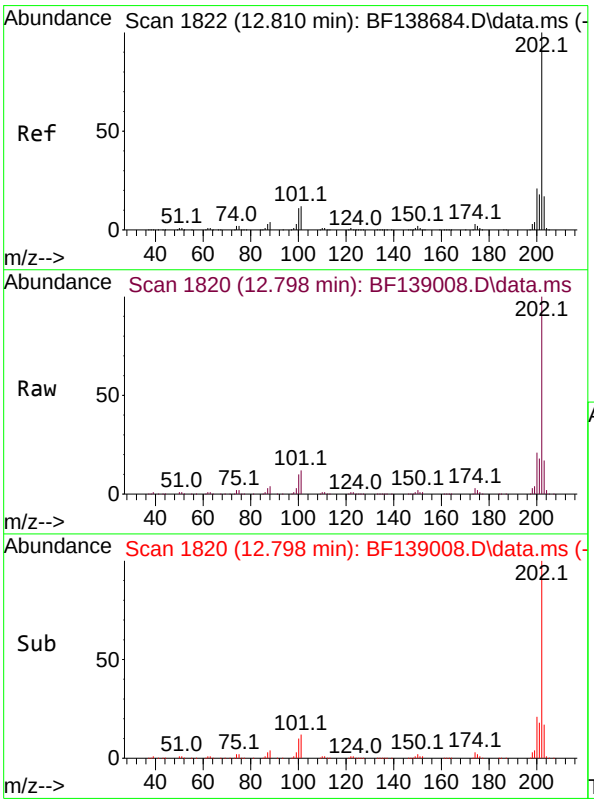
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.1	16.7
183	12.5	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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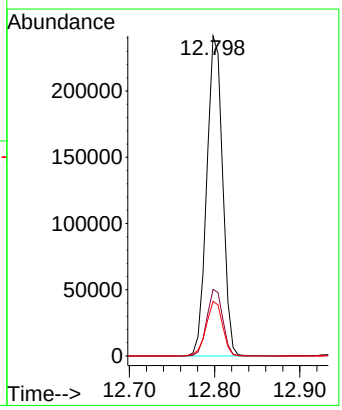
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

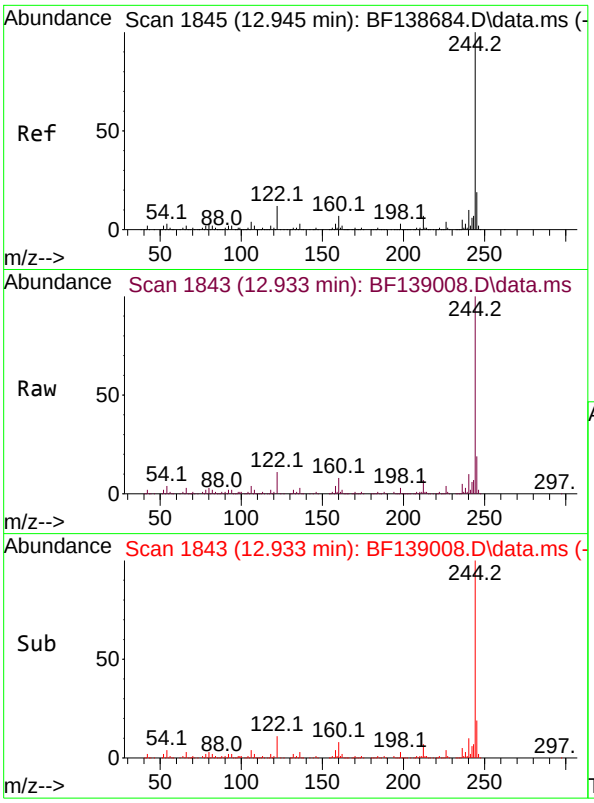


#78
Pyrene
Concen: 61.238 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:202 Resp: 312705

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.1	13.8	20.6

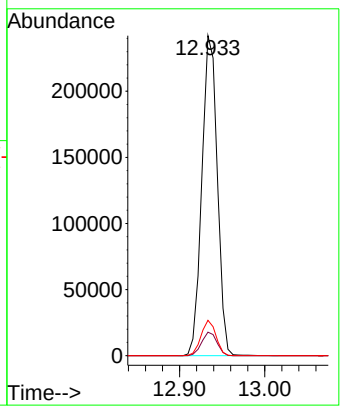




#79
Terphenyl-d14
Concen: 94.305 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:244 Resp: 30548

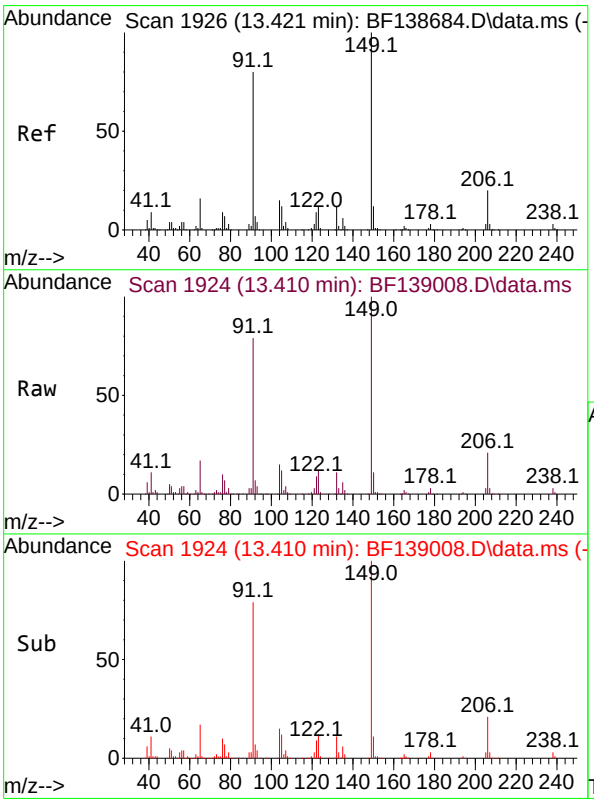
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	11.0	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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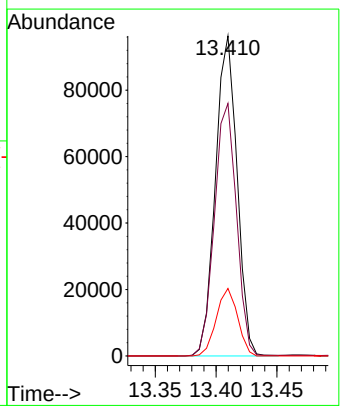
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

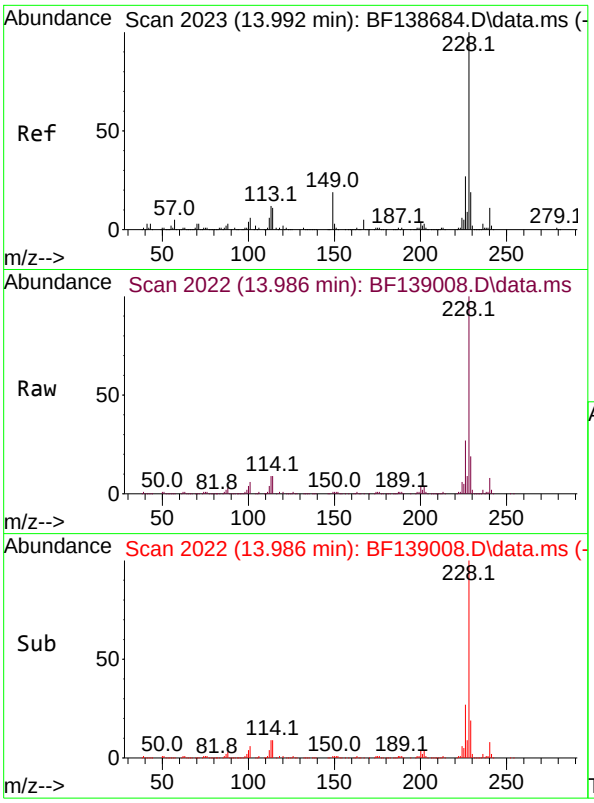


#80
Butylbenzylphthalate
Concen: 73.013 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:149 Resp: 119391

Ion	Ratio	Lower	Upper
149	100		
91	78.9	63.7	95.5
206	21.1	16.2	24.2





#81
Benzo(a)anthracene
Concen: 62.671 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

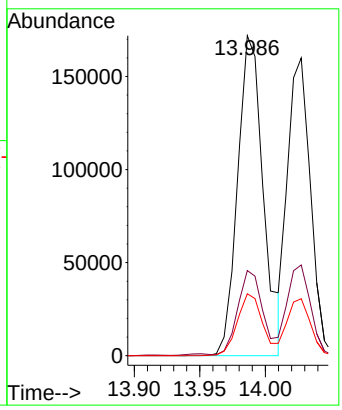
Tgt Ion:228 Resp: 23406

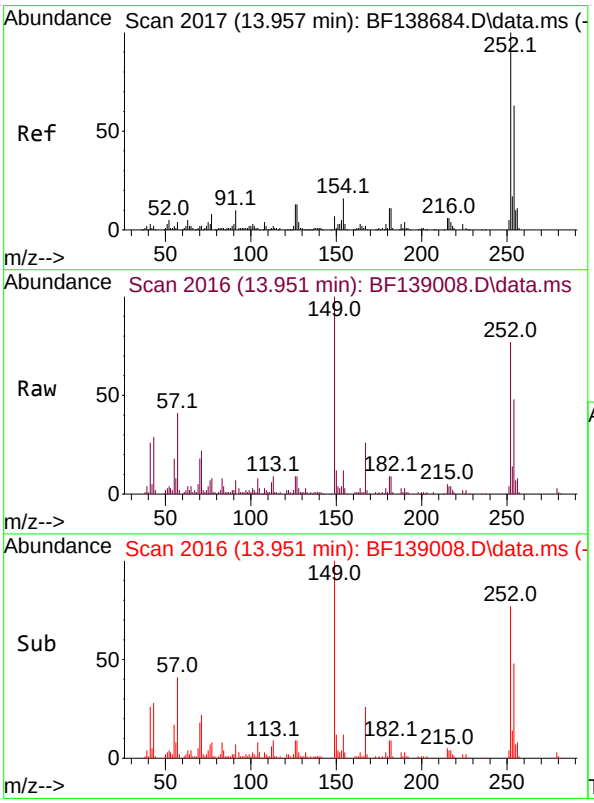
Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	19.4	15.4	23.0

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

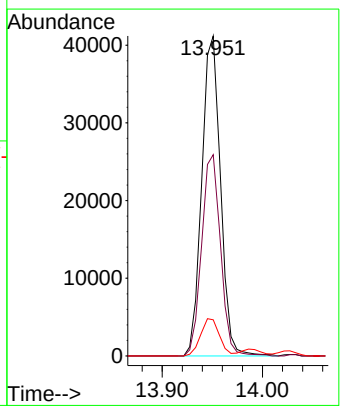


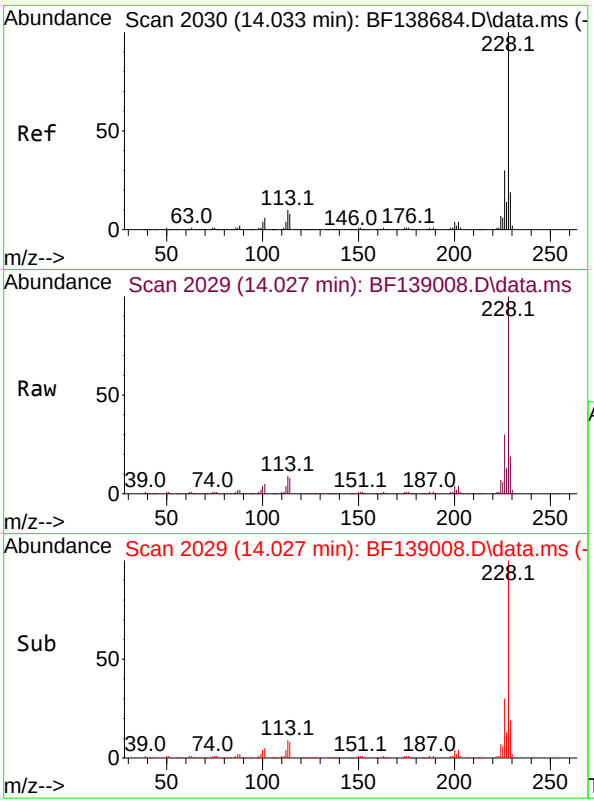


#82
3,3'-Dichlorobenzidine
Concen: 56.169 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:252 Resp: 53683

Ion	Ratio	Lower	Upper
252	100		
254	62.9	50.8	76.2
126	11.3	10.2	15.2

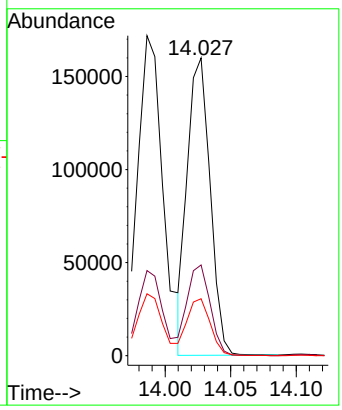




#83
Chrysene
Concen: 57.310 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:228 Resp: 19310

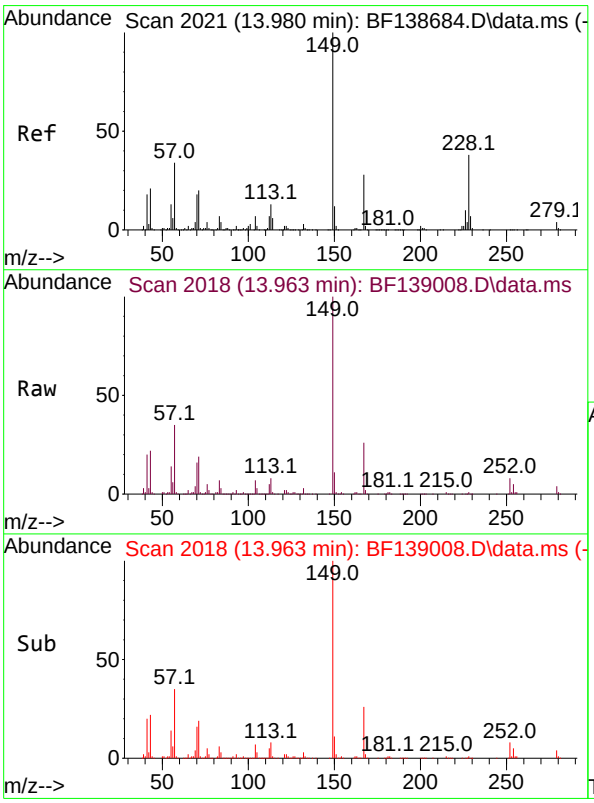
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	19.1	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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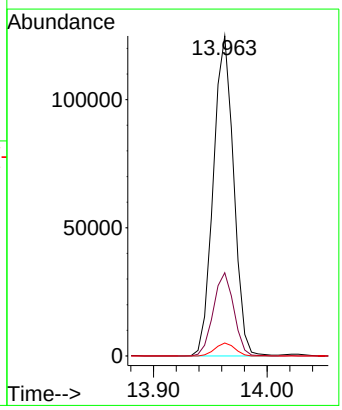
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

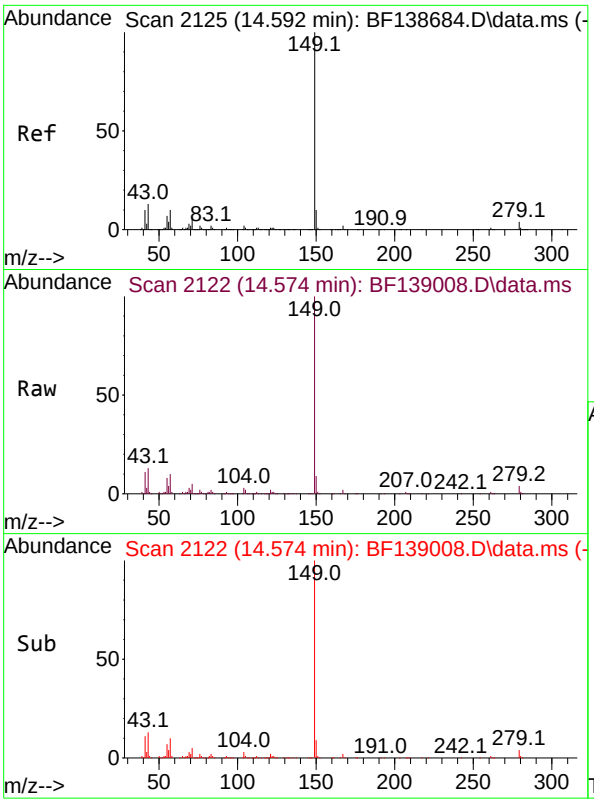


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.933 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:149 Resp: 155481

Ion	Ratio	Lower	Upper
149	100		
167	26.0	22.2	33.4
279	4.1	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 50.125 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

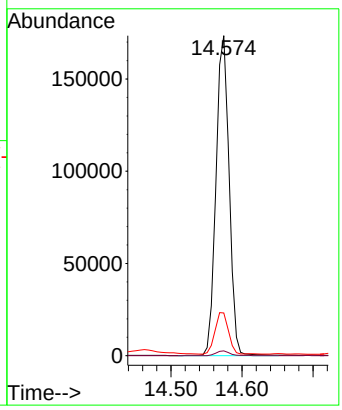
Tgt Ion:149 Resp: 22206

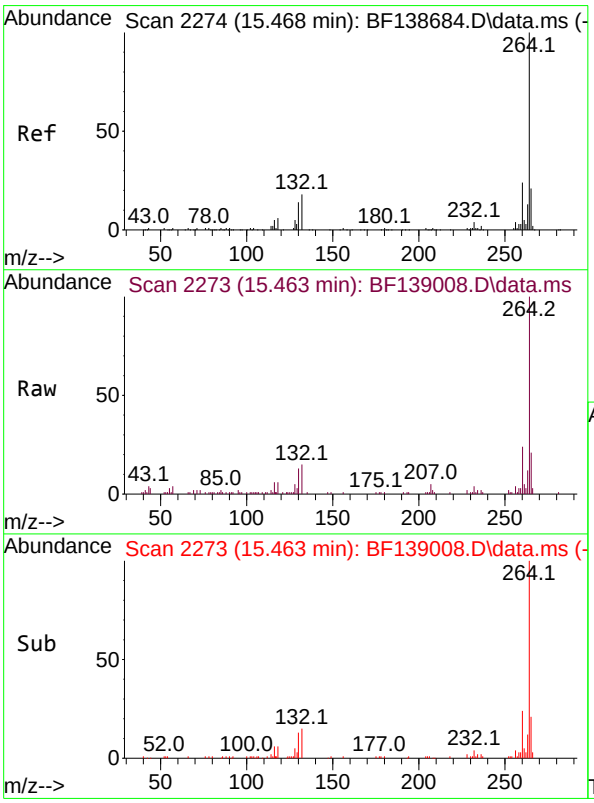
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.2	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

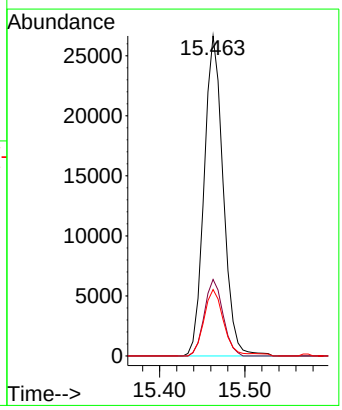


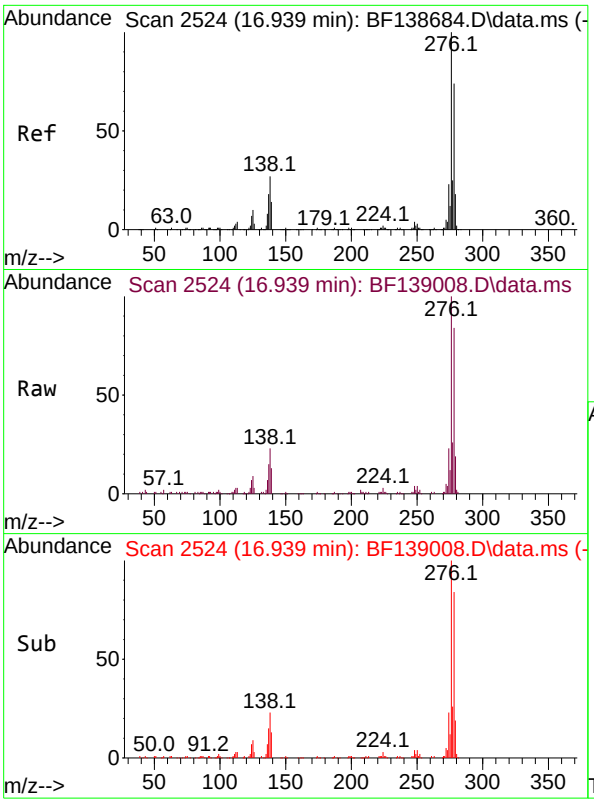


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:264 Resp: 41522

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	20.8	17.0	25.6

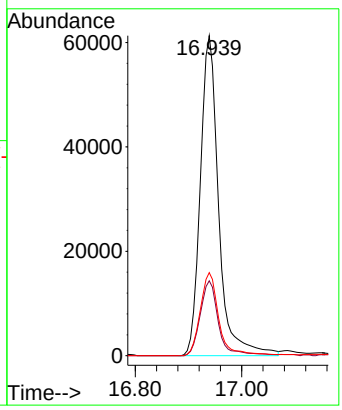




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.299 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:276 Resp: 14669

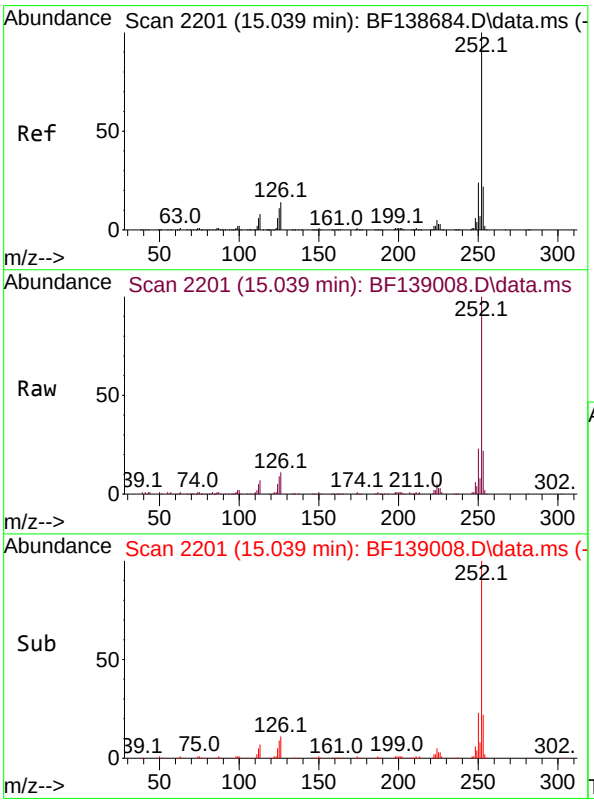
Ion	Ratio	Lower	Upper
276	100		
138	23.2	21.8	32.8
277	26.2	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
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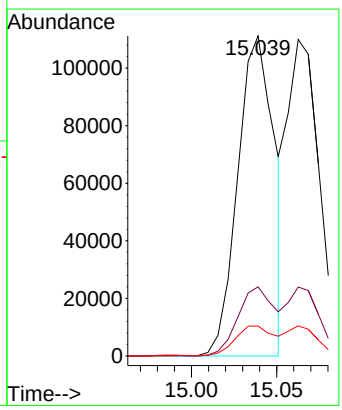
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

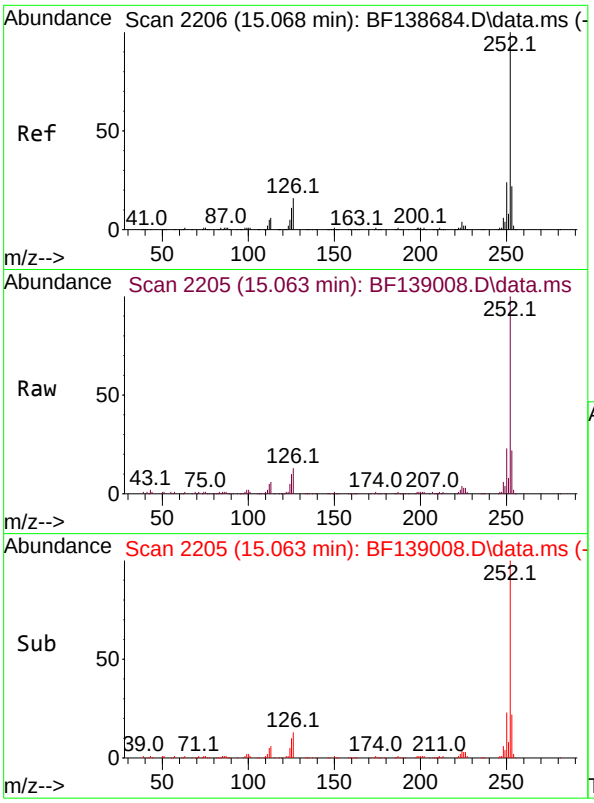


#88
Benzo(b)fluoranthene
Concen: 64.385 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:252 Resp: 165724

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	9.3	8.9	13.3





#89
Benzo(k)fluoranthene
Concen: 64.004 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

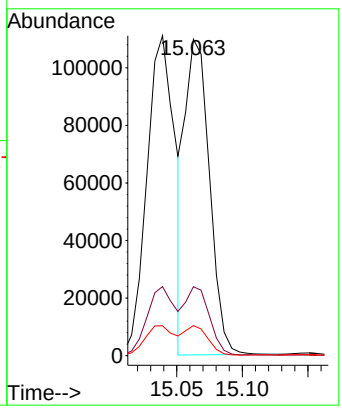
Tgt Ion:252 Resp: 14263

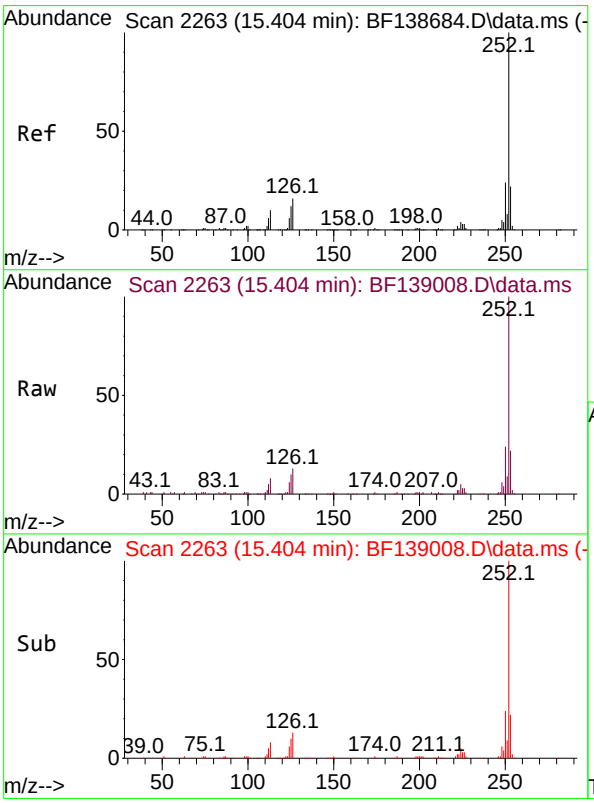
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	9.5	8.6	13.0

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

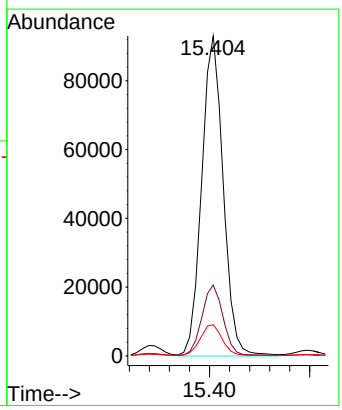


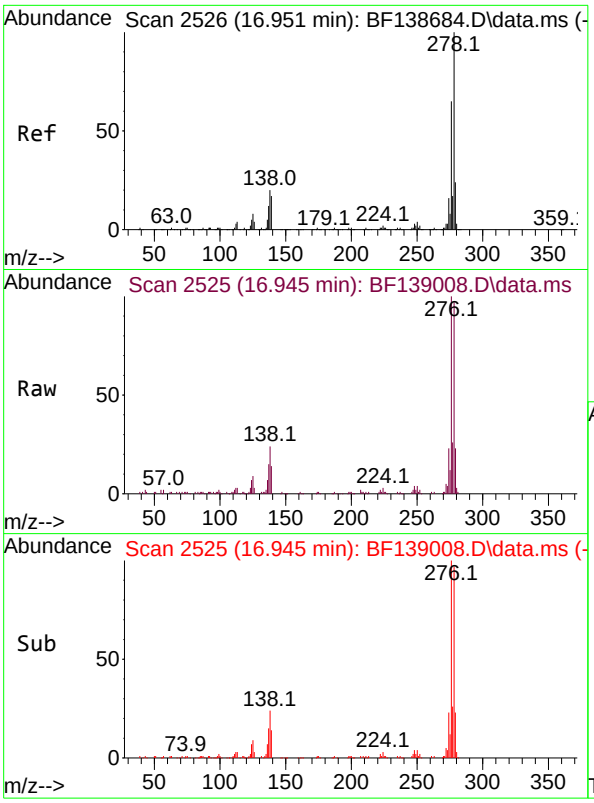


#90
Benzo(a)pyrene
Concen: 64.181 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:252 Resp: 138956

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.8	9.5	14.3

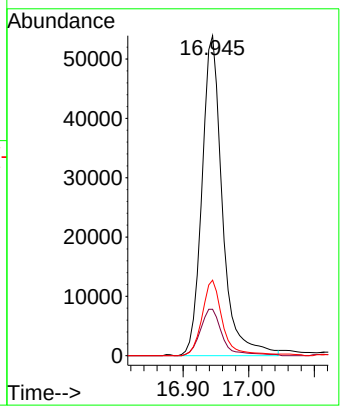




#91
Dibenzo(a,h)anthracene
Concen: 47.969 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:278 Resp: 11717

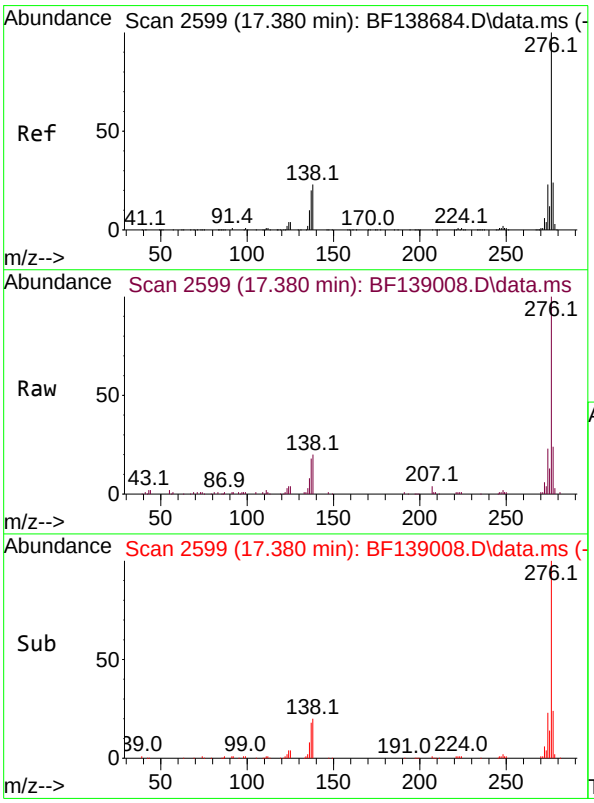
Ion	Ratio	Lower	Upper
278	100		
139	14.5	14.0	21.0
279	23.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MS

Manual Integrations
APPROVED

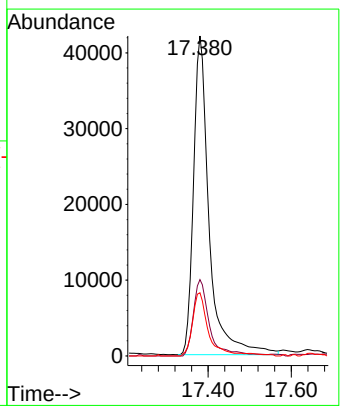
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#92
Benzo(g,h,i)perylene
Concen: 43.232 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF139008.D
Acq: 14 Aug 2024 22:17

Tgt Ion:276 Resp: 109581

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	19.7	18.5	27.7



Raw Data: **BF139009.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:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-S0-1.0-1.5-080524MSD	SDG No.:	P3475
Lab Sample ID:	P3475-04MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
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
BF139009.D	1	08/06/24 08:26	08/14/24 22:47	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
56-55-3	Benzo(a)anthracene	2500		94.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	2400		110	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		94.7	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	101		30 (18) - 130 (107)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.9		30 (20) - 130 (109)	87%	SPK: 100
1718-51-0	Terphenyl-d14	98.7		30 (10) - 130 (105)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	29700	6.834			
1146-65-2	Naphthalene-d8	99200	8.116			
15067-26-2	Acenaphthene-d10	44800	9.869			
1517-22-2	Phenanthrene-d10	83000	11.357			
1719-03-5	Chrysene-d12	51900	13.998			
1520-96-3	Perylene-d12	42400	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: **BF139009.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139009.D
Acq On : 14 Aug 2024 22:47
Operator : RC/JU
Sample : P3475-04MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 15 01:15:10 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	29660	20.000	ng		-0.01
21) Naphthalene-d8	8.116	136	99216	20.000	ng		-0.01
39) Acenaphthene-d10	9.869	164	44771	20.000	ng		-0.01
64) Phenanthrene-d10	11.357	188	83010	20.000	ng		-0.01
76) Chrysene-d12	13.998	240	51880	20.000	ng		# 0.00
86) Perylene-d12	15.462	264	42398	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	266943	138.930	ng		0.00
7) Phenol-d6	6.487	99	334533	129.679	ng		0.00
23) Nitrobenzene-d5	7.404	82	205200	101.118	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	57063	155.598	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	258814	86.857	ng		-0.02
79) Terphenyl-d14	12.933	244	305957	98.738	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	42484	50.504	ng		97
3) Pyridine	3.399	79	106044	52.039	ng		94
4) n-Nitrosodimethylamine	3.363	42	91532	75.418	ng	#	79
6) Aniline	6.504	93	74804	32.515	ng	#	1
8) 2-Chlorophenol	6.634	128	111154	54.985	ng		97
9) Benzaldehyde	6.398	77	5211	3.370	ng		93
10) Phenol	6.504	94	143465	52.820	ng		85
11) bis(2-Chloroethyl)ether	6.575	93	114170	54.623	ng		98
12) 1,3-Dichlorobenzene	6.775	146	124782	55.143	ng		96
13) 1,4-Dichlorobenzene	6.857	146	127598	55.874	ng		100
14) 1,2-Dichlorobenzene	7.004	146	119158	55.832	ng		98
15) Benzyl Alcohol	6.987	79	106601	57.334	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	197300	54.850	ng		57
17) 2-Methylphenol	7.104	107	85413	51.167	ng	#	83
18) Hexachloroethane	7.345	117	45164	52.540	ng		94
19) n-Nitroso-di-n-propyla...	7.251	70	86444	55.481	ng		95
20) 3+4-Methylphenols	7.263	107	110452	51.571	ng	#	62
22) Acetophenone	7.251	105	149735	61.637	ng		99
24) Nitrobenzene	7.422	77	126414	61.218	ng		98
25) Isophorone	7.663	82	209305	60.403	ng		98
26) 2-Nitrophenol	7.739	139	53275	59.966	ng		92
27) 2,4-Dimethylphenol	7.781	122	64767	60.931	ng		96
28) bis(2-Chloroethoxy)met...	7.869	93	121989	57.810	ng		98
29) 2,4-Dichlorophenol	7.992	162	74668	54.666	ng		98
30) 1,2,4-Trichlorobenzene	8.057	180	90476	57.399	ng		97
31) Naphthalene	8.139	128	289742	55.480	ng		99
32) Benzoic acid	7.916	122	28816	34.487	ng		93
33) 4-Chloroaniline	8.198	127	38488	21.955	ng		95
34) Hexachlorobutadiene	8.251	225	57234	59.947	ng		97
35) Caprolactam	8.557	113	20811m	51.062	ng		
36) 4-Chloro-3-methylphenol	8.686	107	78375	50.208	ng		99
37) 2-Methylnaphthalene	8.828	142	168514	51.092	ng		100
38) 1-Methylnaphthalene	8.928	142	157426	48.709	ng		99
40) 1,2,4,5-Tetrachloroben...	8.992	216	70238	56.476	ng		98
41) Hexachlorocyclopentadiene	8.975	237	6127	23.958	ng		98
43) 2,4,6-Trichlorophenol	9.116	196	43912	57.909	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF139009.D
Acq On : 14 Aug 2024 22:47
Operator : RC/JU
Sample : P3475-04MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 15 01:15:10 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	44928	54.197	ng		96
46)	1,1'-Biphenyl	9.292	154	191371	54.578	ng		98
47)	2-Chloronaphthalene	9.316	162	151132	57.953	ng		100
48)	2-Nitroaniline	9.422	65	57040	64.519	ng		91
49)	Acenaphthylene	9.733	152	225114	60.864	ng		99
50)	Dimethylphthalate	9.586	163	178154	62.232	ng		100
51)	2,6-Dinitrotoluene	9.663	165	36738	56.865	ng		89
52)	Acenaphthene	9.904	154	136276	54.811	ng		99
53)	3-Nitroaniline	9.833	138	31396	47.008	ng		99
54)	2,4-Dinitrophenol	9.957	184	14643	49.236	ng	#	84
55)	Dibenzofuran	10.075	168	205201	58.467	ng		95
56)	4-Nitrophenol	10.016	139	42108	104.842	ng		85
57)	2,4-Dinitrotoluene	10.069	165	50044	60.713	ng	#	75
58)	Fluorene	10.416	166	166533	59.585	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.204	232	36828	58.110	ng		98
60)	Diethylphthalate	10.286	149	165485	60.967	ng		99
61)	4-Chlorophenyl-phenyle...	10.404	204	78232	56.913	ng		94
62)	4-Nitroaniline	10.451	138	37390	58.910	ng		88
63)	Azobenzene	10.569	77	178376	59.252	ng		96
65)	4,6-Dinitro-2-methylph...	10.480	198	15800	31.199	ng		89
66)	n-Nitrosodiphenylamine	10.527	169	138530	53.389	ng		100
67)	4-Bromophenyl-phenylether	10.898	248	46504	51.744	ng		99
68)	Hexachlorobenzene	10.963	284	49759	53.622	ng		98
69)	Atrazine	11.057	200	44657	66.708	ng		99
70)	Pentachlorophenol	11.169	266	42099	100.651	ng		100
71)	Phenanthrene	11.380	178	268325	62.776	ng		100
72)	Anthracene	11.433	178	263223	62.511	ng		99
73)	Carbazole	11.592	167	242657	66.795	ng		98
74)	Di-n-butylphthalate	11.910	149	277345	67.911	ng		100
75)	Fluoranthene	12.569	202	309421	77.542	ng		99
77)	Benzidine	12.698	184	57349	46.216	ng		98
78)	Pyrene	12.798	202	310736	63.615	ng		99
80)	Butylbenzylphthalate	13.410	149	120819	77.240	ng		98
81)	Benzo(a)anthracene	13.986	228	229398	64.211	ng		99
82)	3,3'-Dichlorobenzidine	13.951	252	54062	59.134	ng		99
83)	Chrysene	14.027	228	193784	60.123	ng		99
84)	Bis(2-ethylhexyl)phtha...	13.963	149	154776	67.573	ng		100
85)	Di-n-octyl phthalate	14.574	149	218765	51.622	ng		100
87)	Indeno(1,2,3-cd)pyrene	16.939	276	148566	48.896	ng		95
88)	Benzo(b)fluoranthene	15.039	252	167215	63.622	ng		98
89)	Benzo(k)fluoranthene	15.062	252	141163	62.034	ng		99
90)	Benzo(a)pyrene	15.404	252	136848	61.901	ng		98
91)	Dibenzo(a,h)anthracene	16.945	278	116466	46.696	ng		97
92)	Benzo(g,h,i)perylene	17.380	276	110725	42.781	ng		95

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

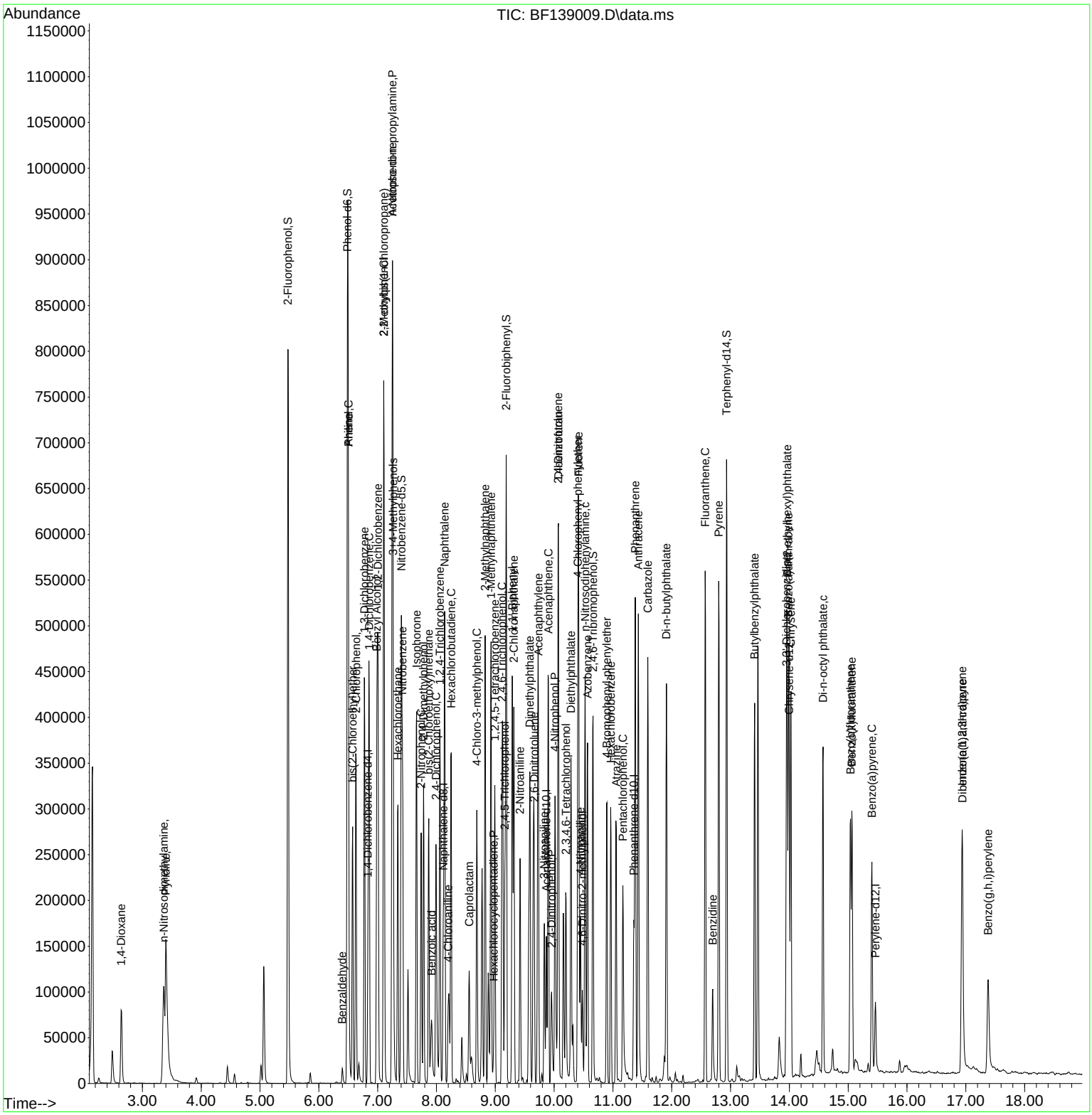
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Data File : BF139009.D
Acq On : 14 Aug 2024 22:47
Operator : RC/JU
Sample : P3475-04MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

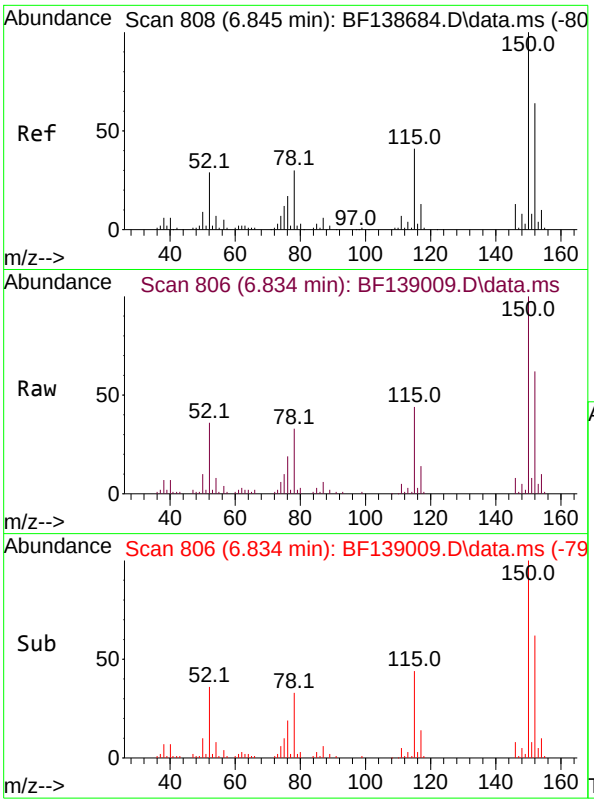
Quant Time: Aug 15 01:15:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

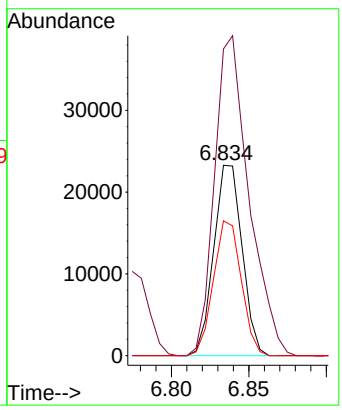




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8(
Delta R.T. -0.011 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:152 Resp: 2966(

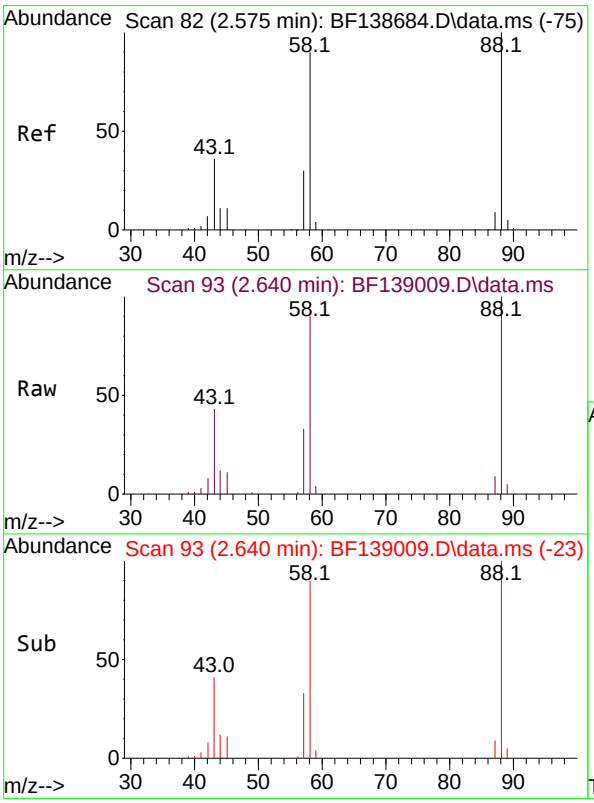
Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.0	189.0
115	70.8	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

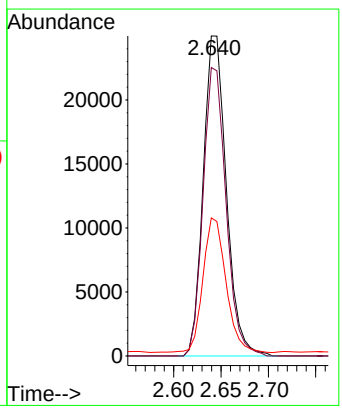
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

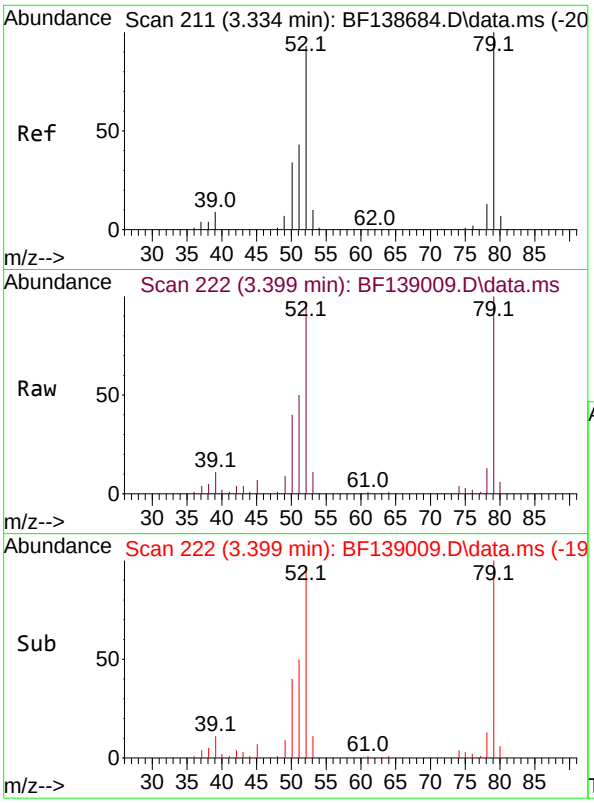


#2
1,4-Dioxane
Concen: 50.504 ng
RT: 2.640 min Scan# 93
Delta R.T. 0.065 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 88 Resp: 42484

Ion	Ratio	Lower	Upper
88	100		
58	89.4	71.6	107.4
43	41.9	28.7	43.1





#3
Pyridine
Concen: 52.039 ng
RT: 3.399 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

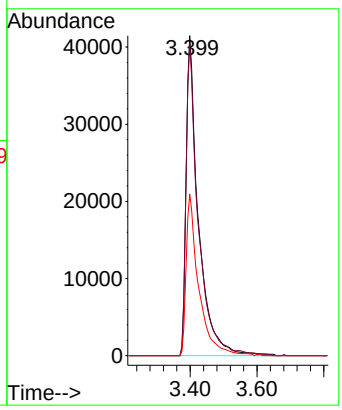
Tgt Ion: 79 Resp: 10604

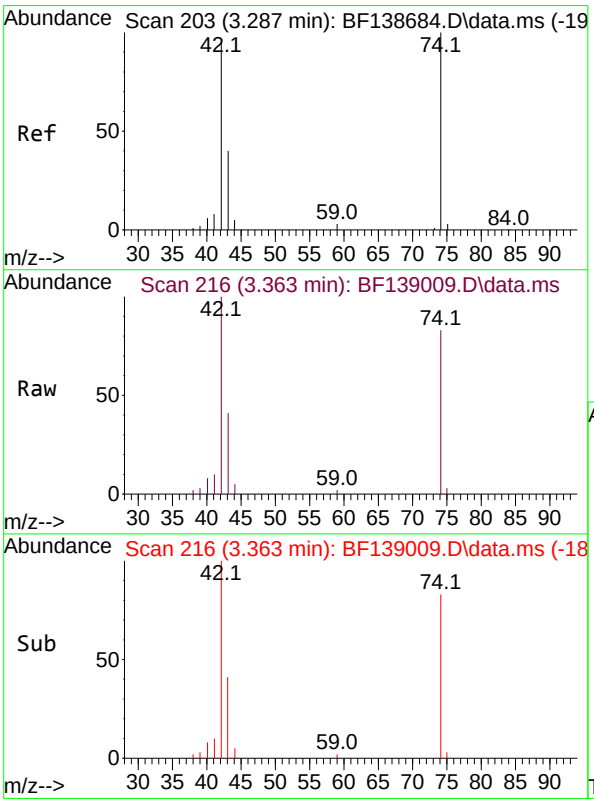
Ion	Ratio	Lower	Upper
79	100		
52	97.4	74.7	112.1
51	50.5	34.6	51.8

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

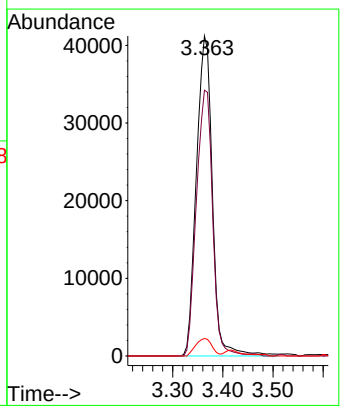


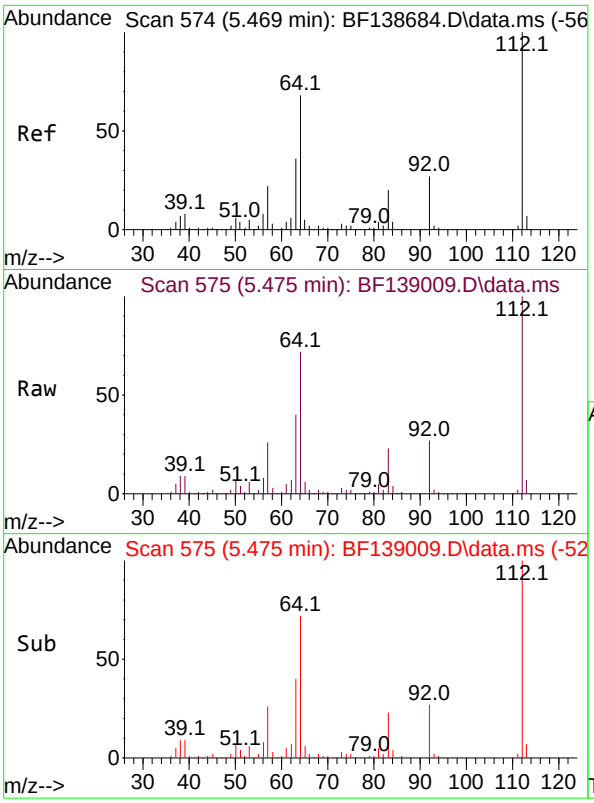


#4
n-Nitrosodimethylamine
Concen: 75.418 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.076 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 42 Resp: 91532

Ion	Ratio	Lower	Upper
42	100		
74	83.0	84.2	126.4#
44	5.5	4.9	7.3

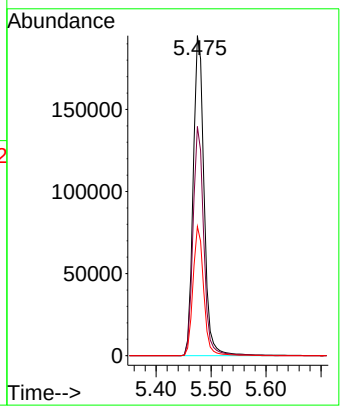




#5
2-Fluorophenol
Concen: 138.930 ng
RT: 5.475 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:112 Resp: 26694

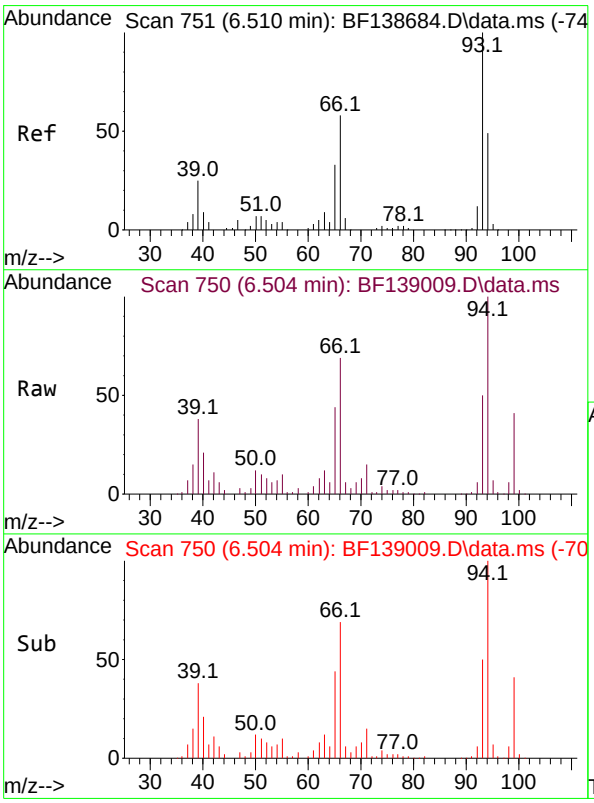
Ion	Ratio	Lower	Upper
112	100		
64	71.6	54.2	81.4
63	40.3	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

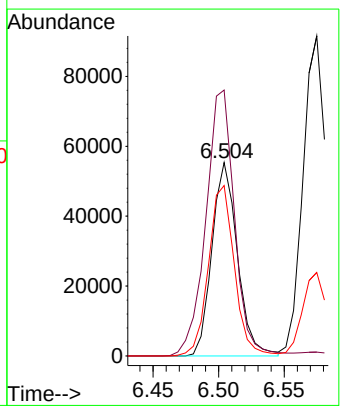
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

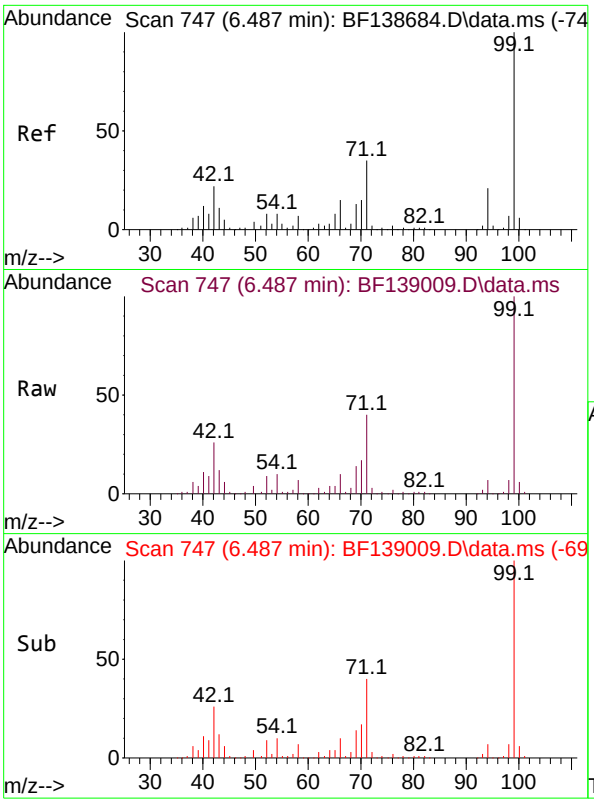


#6
Aniline
Concen: 32.515 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 93 Resp: 74804

Ion	Ratio	Lower	Upper
93	100		
66	137.5	46.9	70.3#
65	88.1	26.5	39.7#

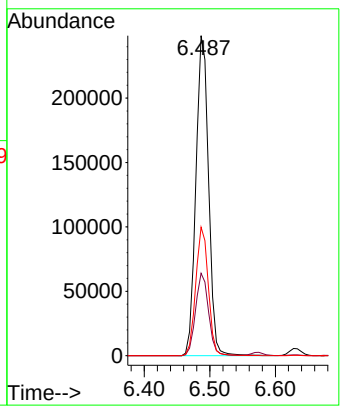




#7
Phenol-d6
Concen: 129.679 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 99 Resp: 33453

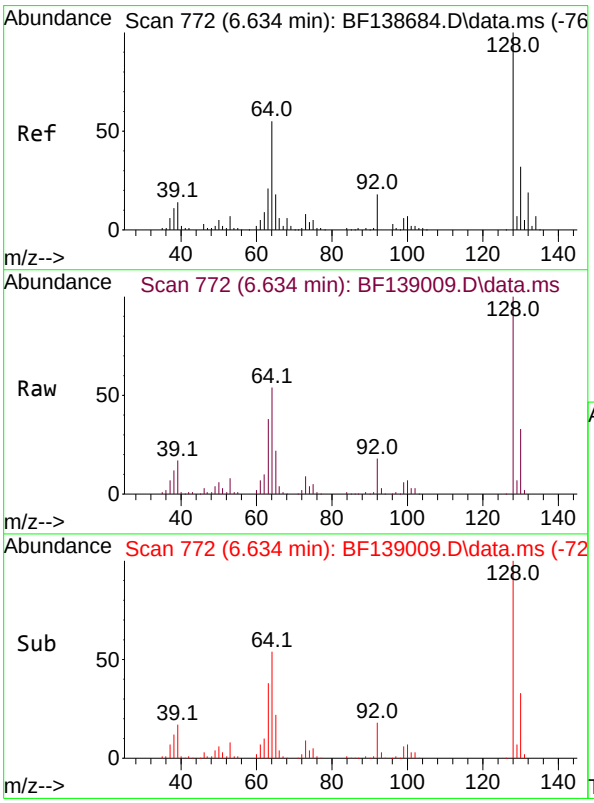
Ion	Ratio	Lower	Upper
99	100		
42	25.8	17.4	26.0
71	40.1	28.1	42.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

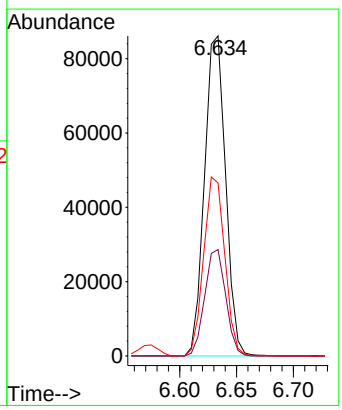
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

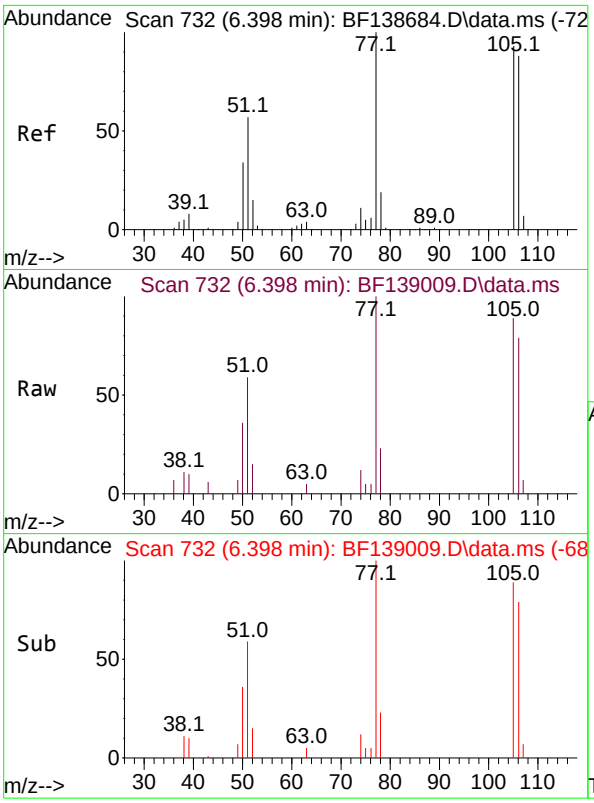


#8
2-Chlorophenol
Concen: 54.985 ng
RT: 6.634 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:128 Resp: 111154

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.0	52.0
64	54.1	36.3	76.3

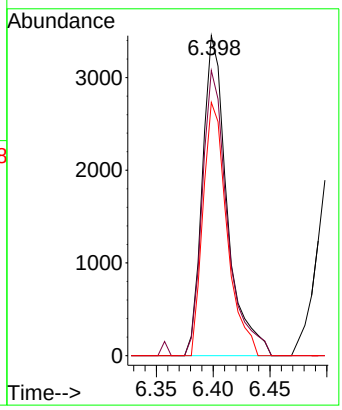




#9
Benzaldehyde
Concen: 3.370 ng
RT: 6.398 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 77 Resp: 521

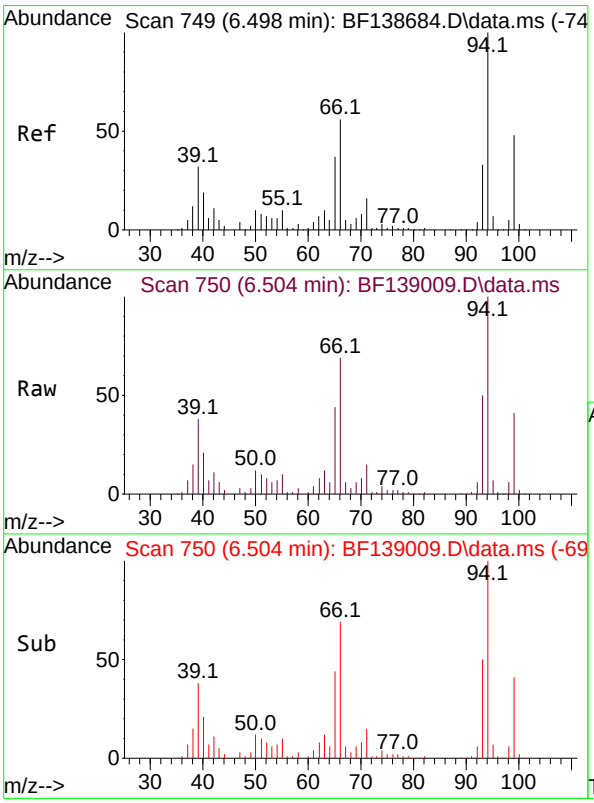
Ion	Ratio	Lower	Upper
77	100		
105	89.1	72.9	112.9
106	79.1	68.4	108.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

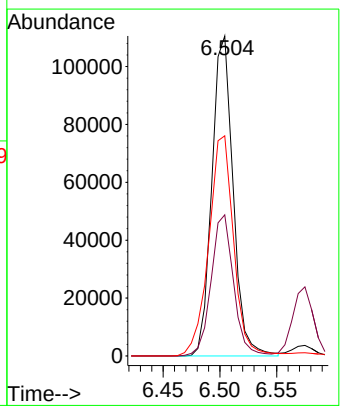
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

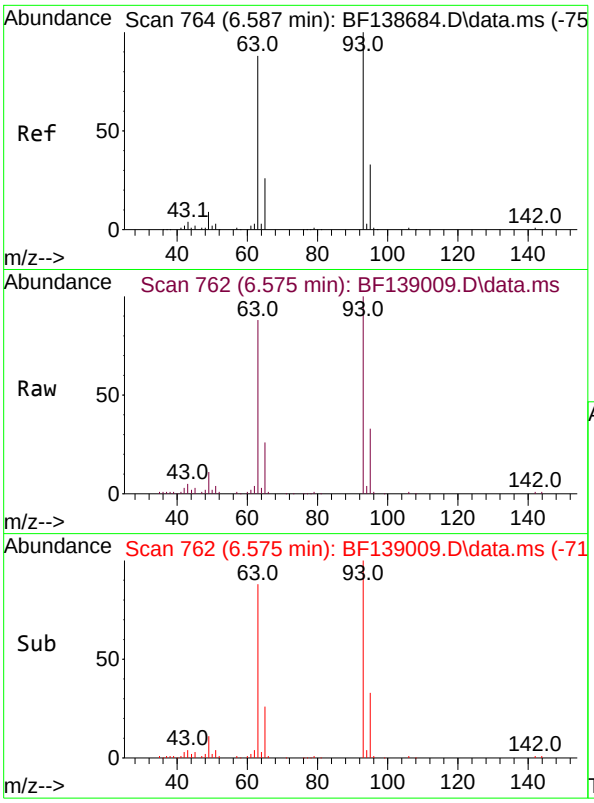


#10
Phenol
Concen: 52.820 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 94 Resp: 143465

Ion	Ratio	Lower	Upper
94	100		
65	44.1	16.9	56.9
66	68.8	36.5	76.5

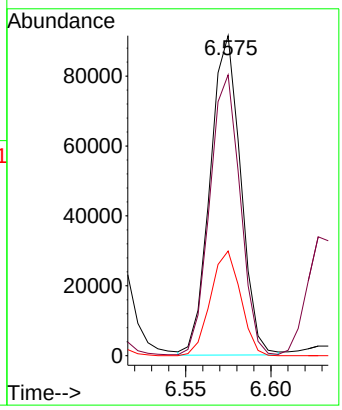




#11
bis(2-Chloroethyl)ether
Concen: 54.623 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 93 Resp: 11417

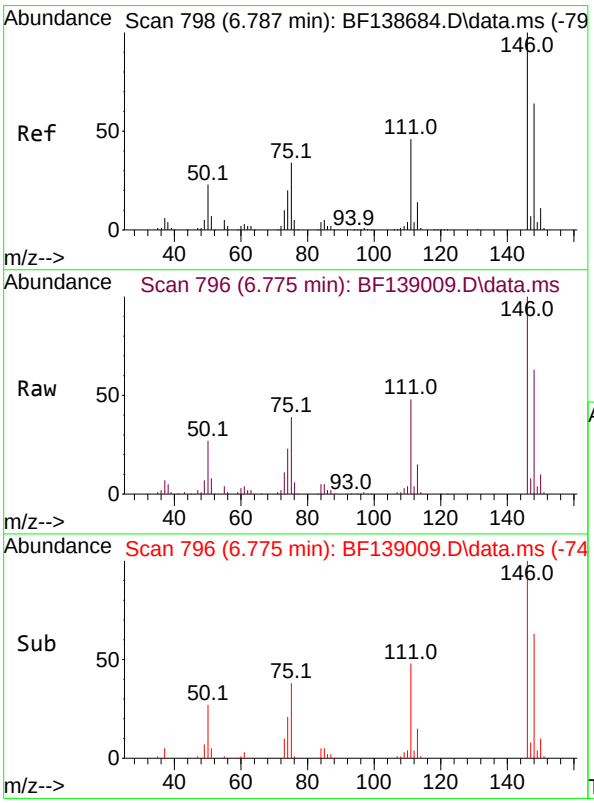
Ion	Ratio	Lower	Upper
93	100		
63	87.8	65.3	105.3
95	32.7	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

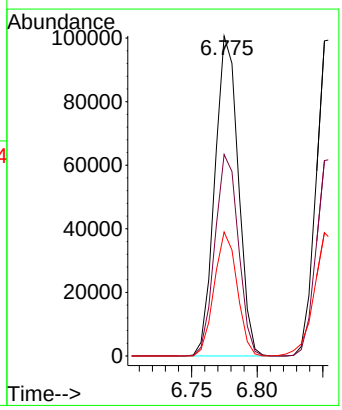
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

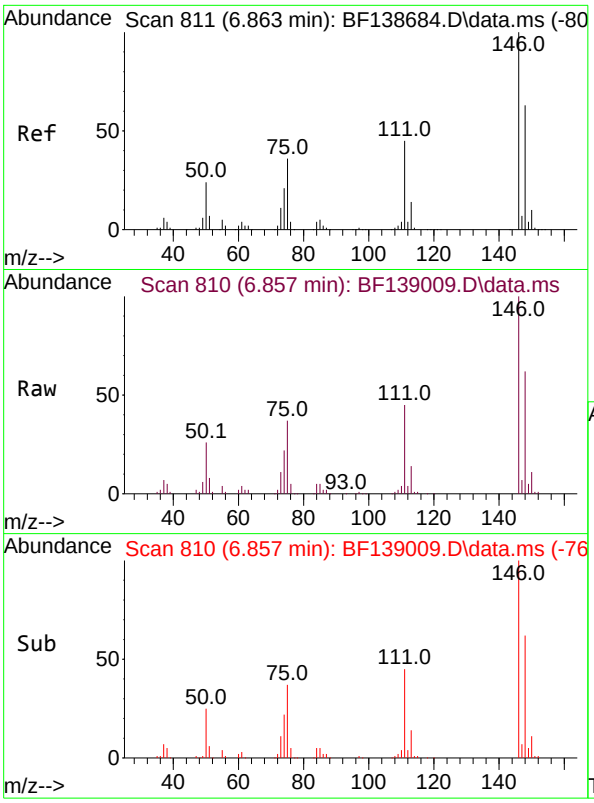


#12
1,3-Dichlorobenzene
Concen: 55.143 ng
RT: 6.775 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:146 Resp: 124782

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.2	76.8
75	38.8	27.4	41.2

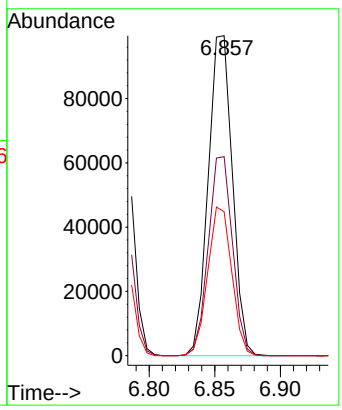




#13
1,4-Dichlorobenzene
Concen: 55.874 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:146 Resp: 12759

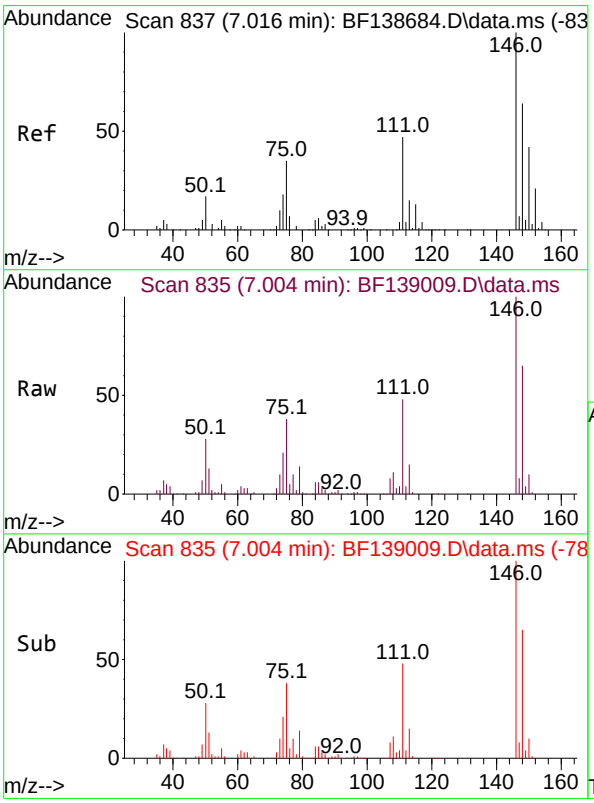
Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.2	75.2
111	45.0	35.9	53.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

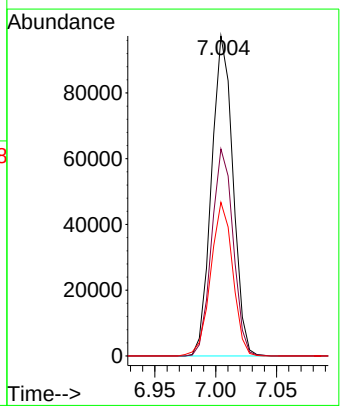
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

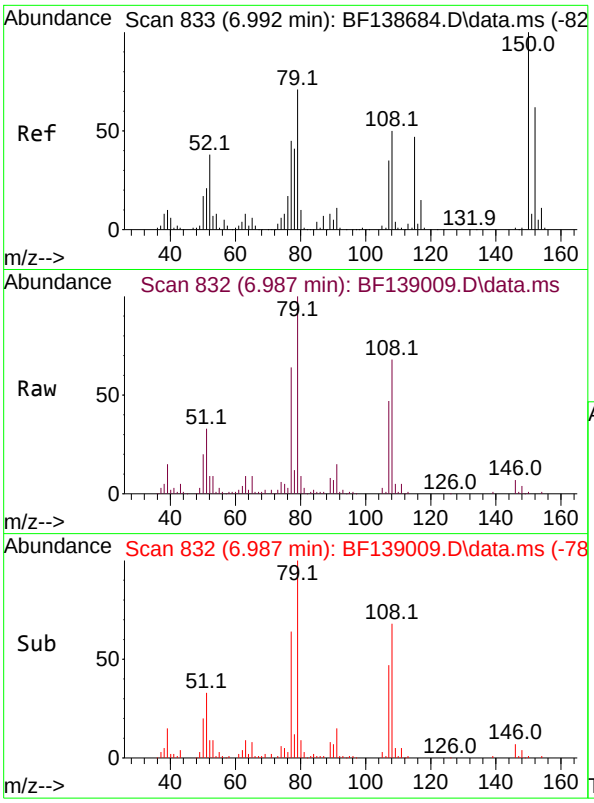


#14
1,2-Dichlorobenzene
Concen: 55.832 ng
RT: 7.004 min Scan# 835
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:146 Resp: 119158

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.8	76.2
111	48.0	37.4	56.2

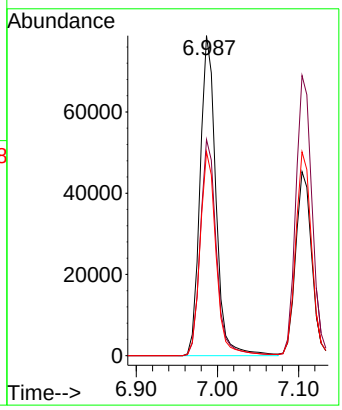




#15
Benzyl Alcohol
Concen: 57.334 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 79 Resp: 10660

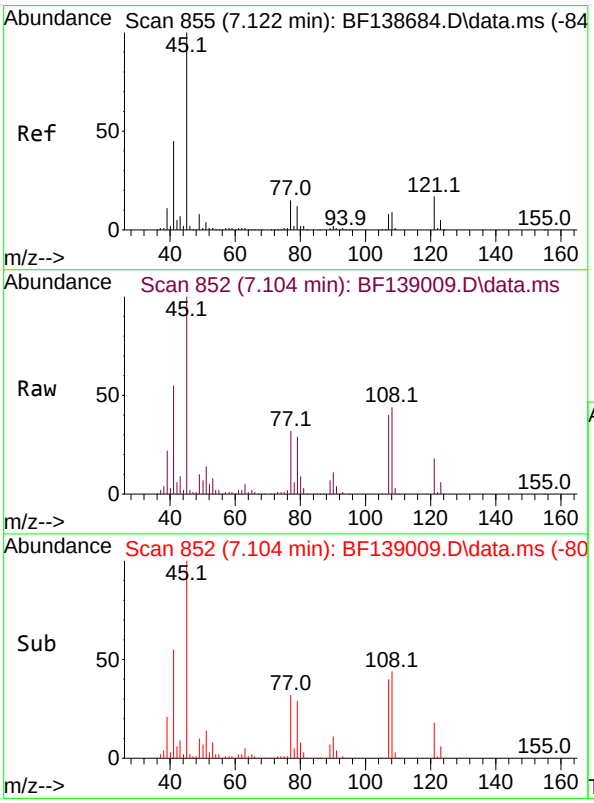
Ion	Ratio	Lower	Upper
79	100		
108	67.5	56.6	85.0
77	63.7	50.3	75.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

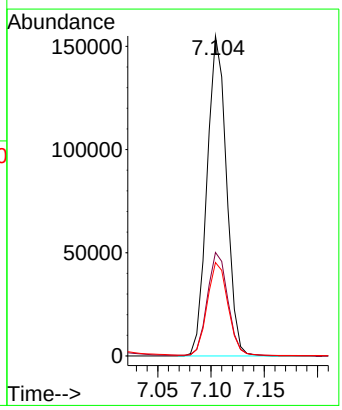
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

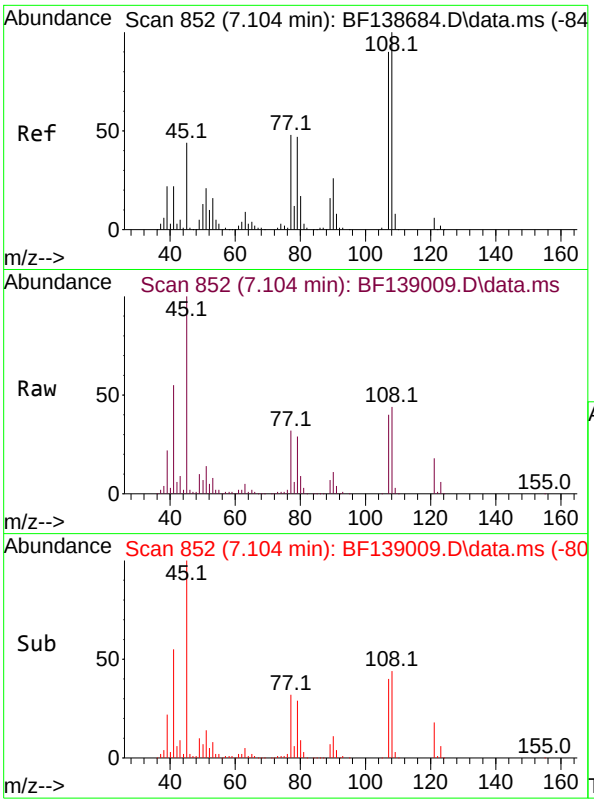


#16
2,2'-oxybis(1-Chloropropane)
Concen: 54.850 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.018 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 45 Resp: 197300

Ion	Ratio	Lower	Upper
45	100		
77	32.4	0.0	34.9
79	29.2	0.0	32.2

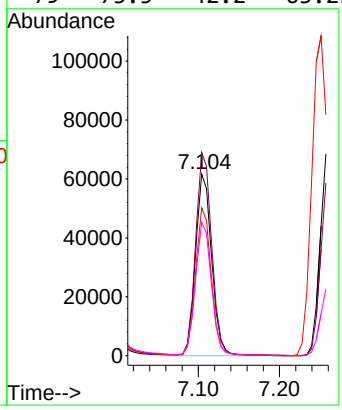




#17
2-Methylphenol
Concen: 51.167 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:107 Resp: 8541

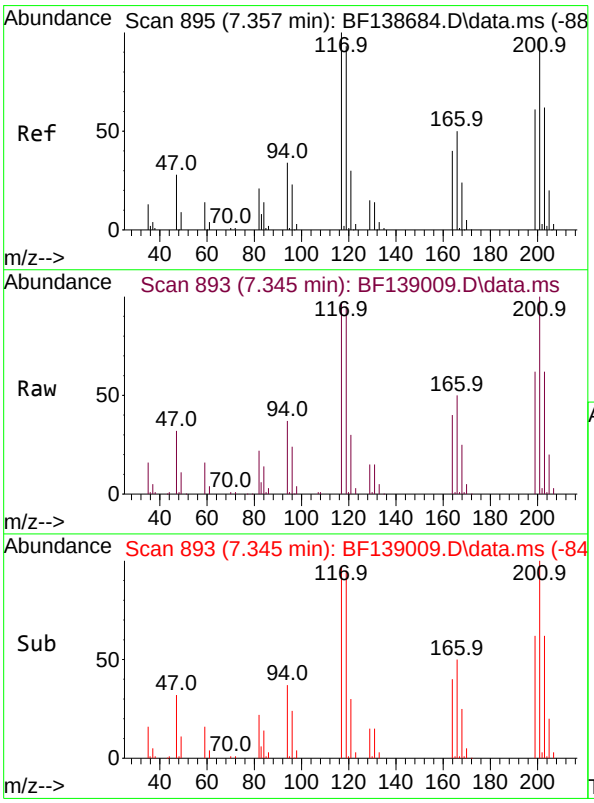
Ion	Ratio	Lower	Upper
107	100		
108	111.9	89.2	133.8
77	81.4	43.0	64.4#
79	73.5	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

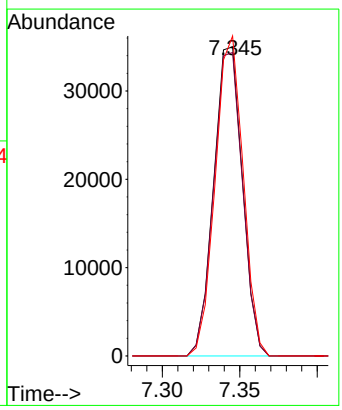
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

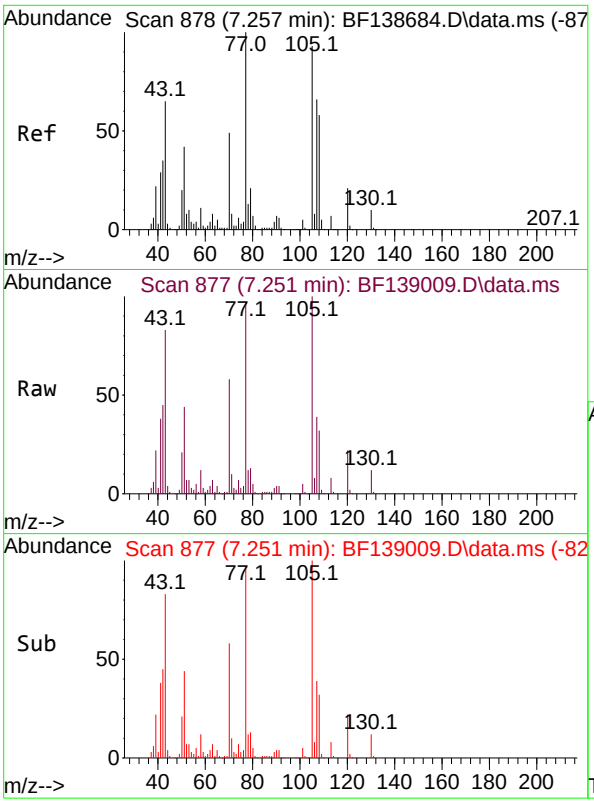


#18
Hexachloroethane
Concen: 52.540 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:117 Resp: 45164

Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.6	111.8
201	103.5	77.2	115.8

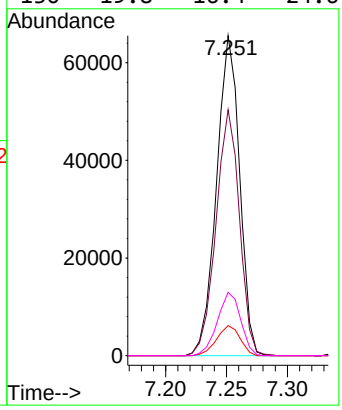




#19
n-Nitroso-di-n-propylamine
Concen: 55.481 ng
RT: 7.251 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 70 Resp: 8644

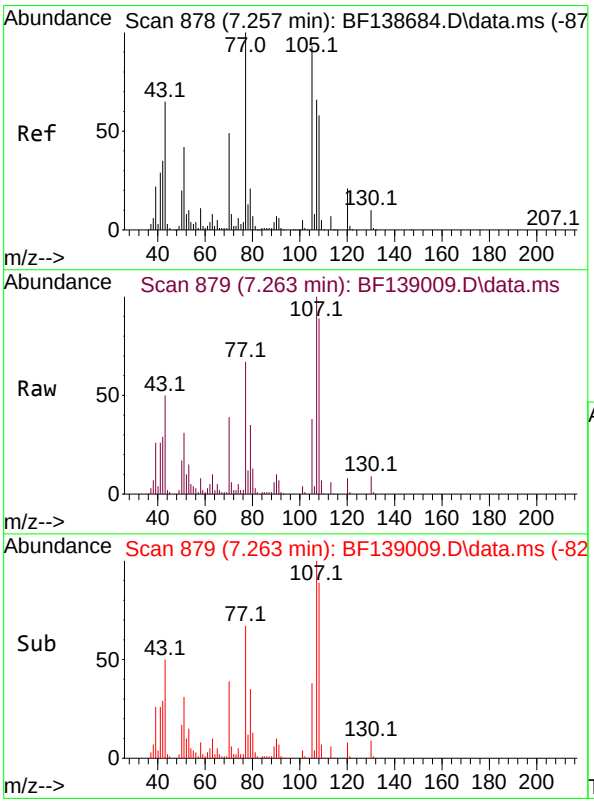
Ion	Ratio	Lower	Upper
70	100		
42	76.8	57.4	86.0
101	9.4	7.5	11.3
130	19.8	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

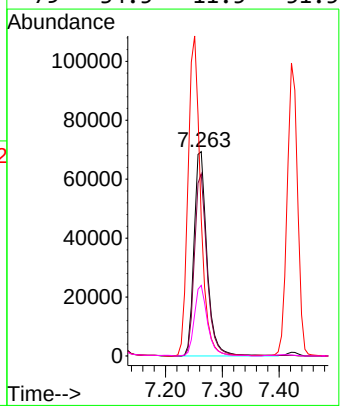
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

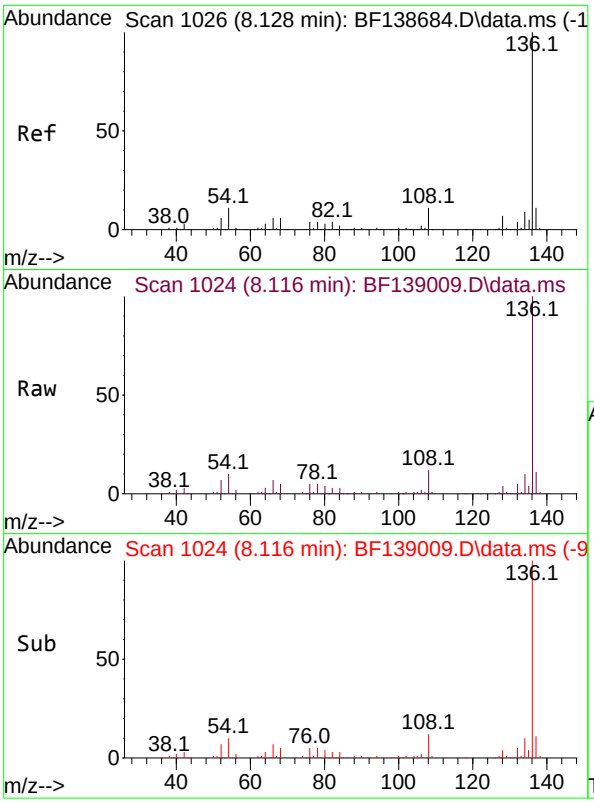


#20
3+4-Methylphenols
Concen: 51.571 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:107 Resp: 110452

Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.2	108.2
77	67.2	132.1	172.1#
79	34.5	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: BF139009.D
Acq: 14 Aug 2024 22:47

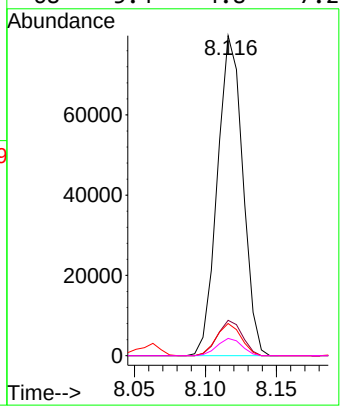
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

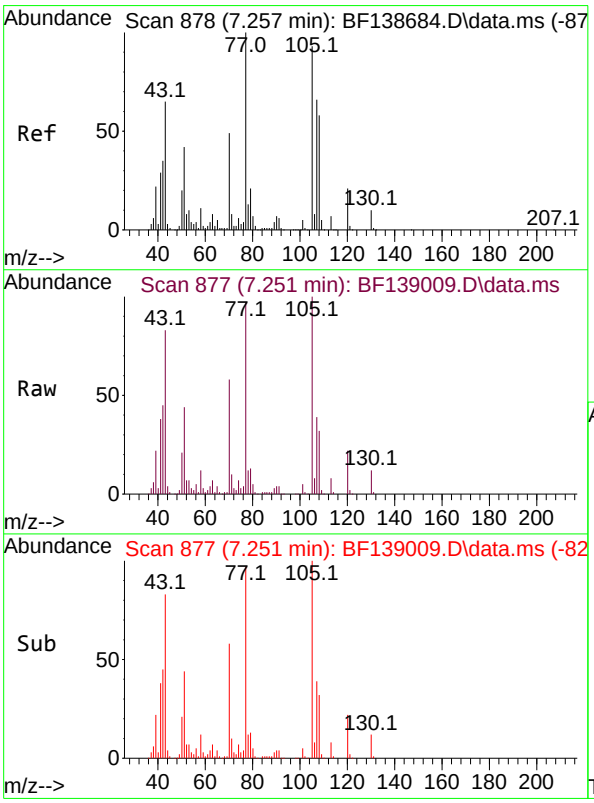
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

Tgt Ion:136 Resp: 9921

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.0	8.6	12.8
68	5.4	4.8	7.2

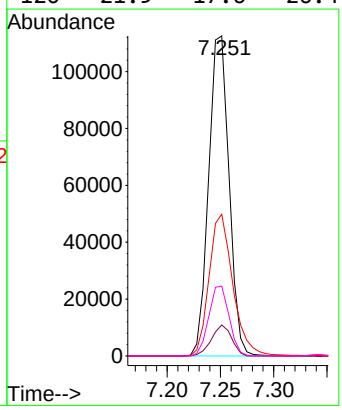


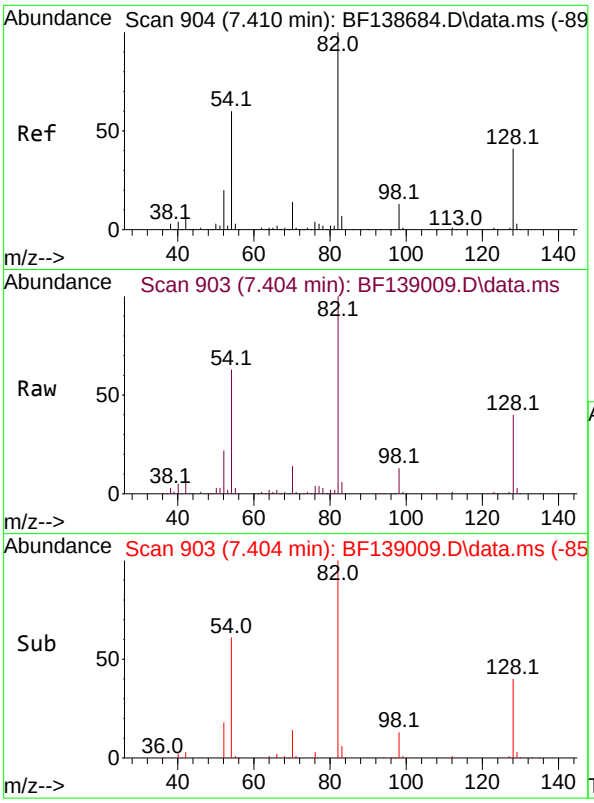


#22
Acetophenone
Concen: 61.637 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:105 Resp: 149735

Ion	Ratio	Lower	Upper
105	100		
71	9.7	7.2	10.8
51	44.3	35.9	53.9
120	21.9	17.6	26.4

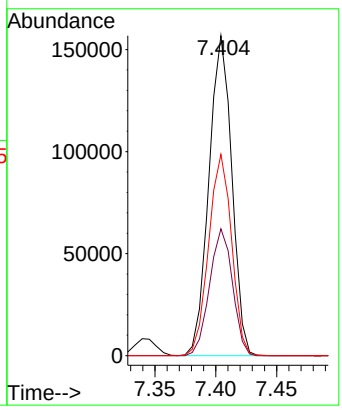




#23
Nitrobenzene-d5
Concen: 101.118 ng
RT: 7.404 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 82 Resp: 20520(

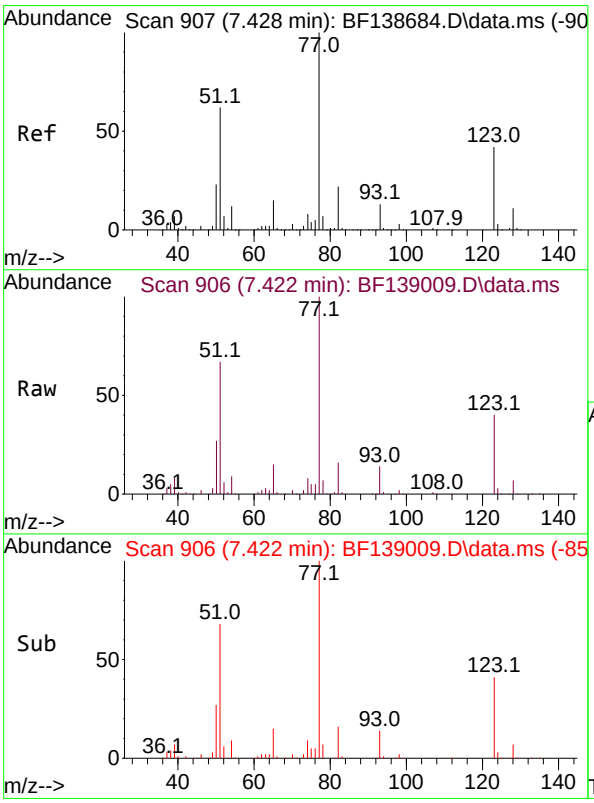
Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.8	49.2
54	62.9	48.3	72.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

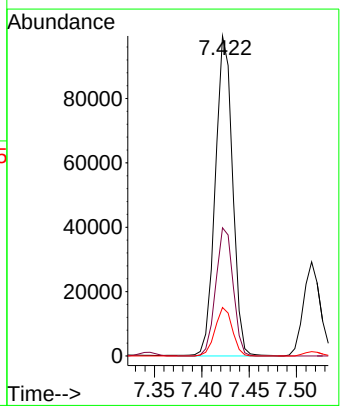
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

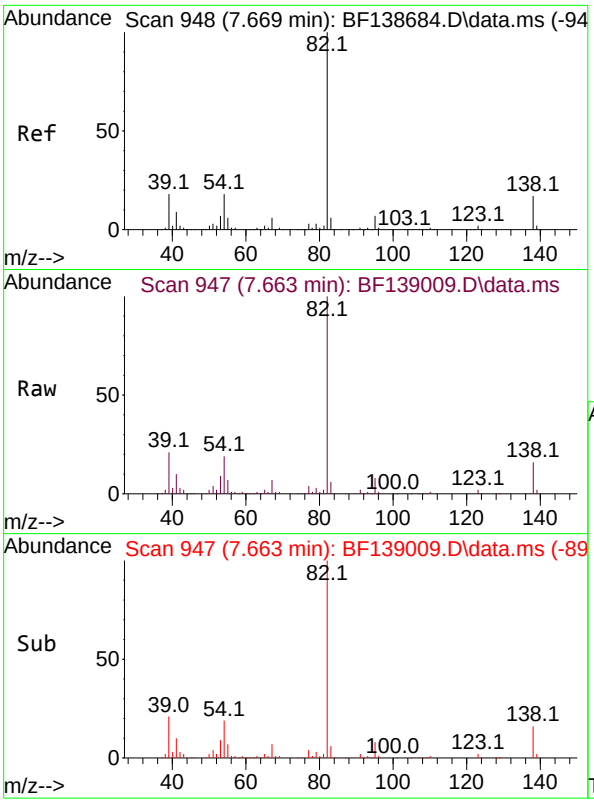


#24
Nitrobenzene
Concen: 61.218 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 77 Resp: 126414

Ion	Ratio	Lower	Upper
77	100		
123	40.1	33.3	49.9
65	15.2	11.9	17.9

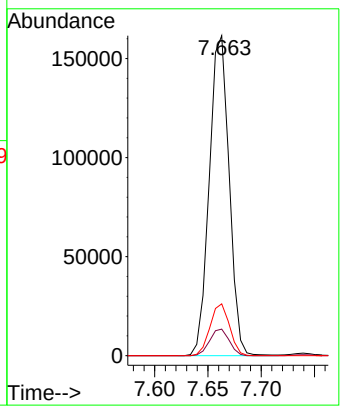




#25
Isophorone
Concen: 60.403 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 82 Resp: 20930

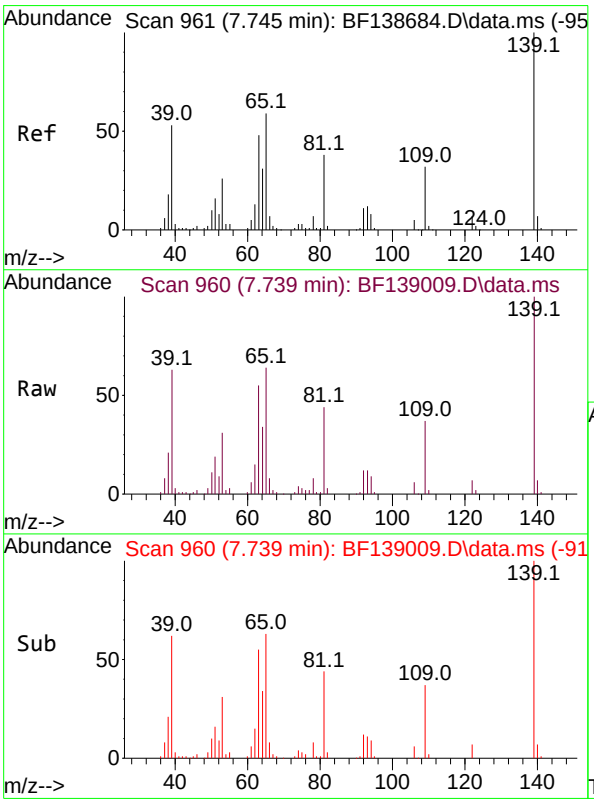
Ion	Ratio	Lower	Upper
82	100		
95	8.3	5.7	8.5
138	16.2	13.7	20.5



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

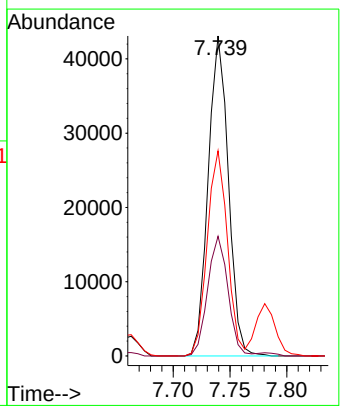
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

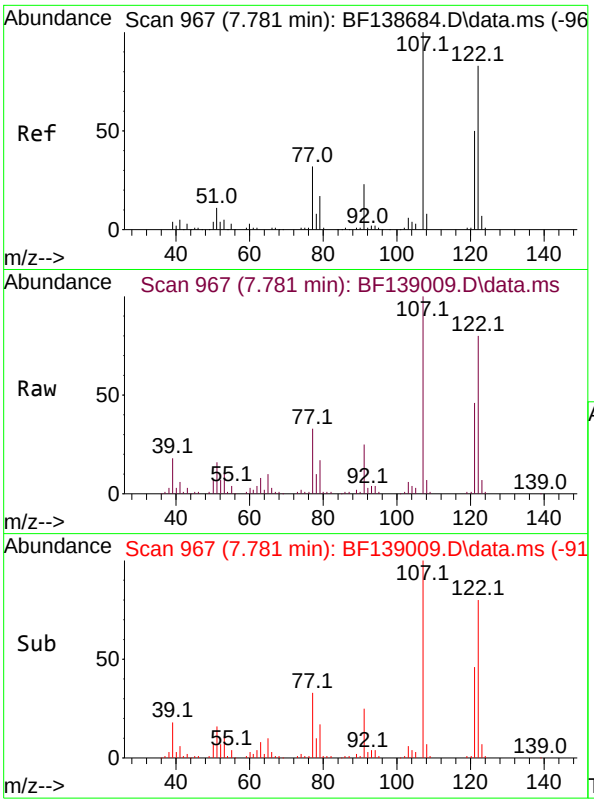


#26
2-Nitrophenol
Concen: 59.966 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:139 Resp: 53275

Ion	Ratio	Lower	Upper
139	100		
109	37.4	25.9	38.9
65	64.1	47.0	70.6

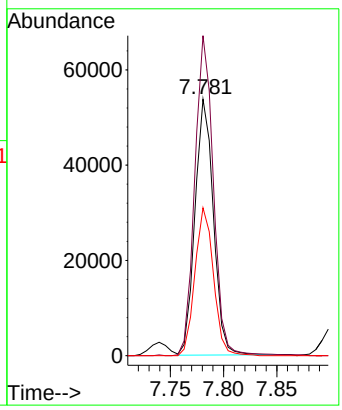




#27
2,4-Dimethylphenol
Concen: 60.931 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:122 Resp: 6476

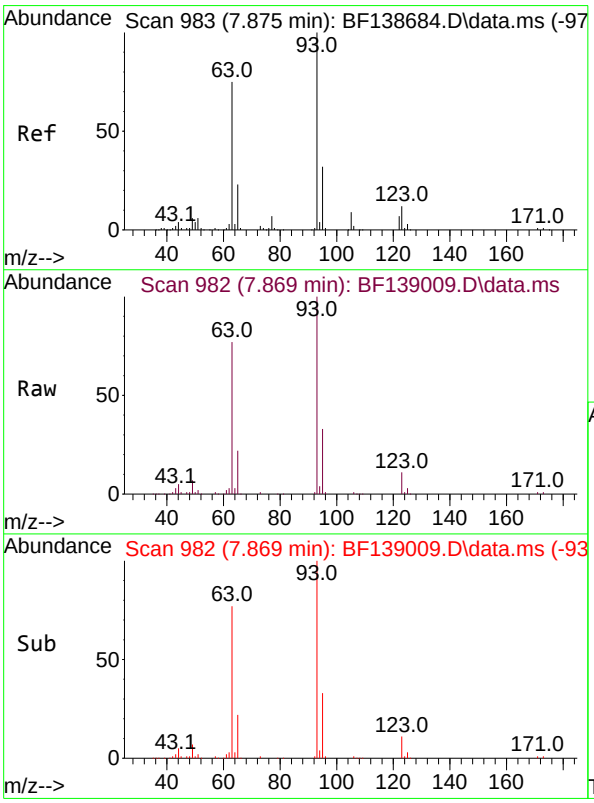
Ion	Ratio	Lower	Upper
122	100		
107	124.8	95.0	142.6
121	57.7	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

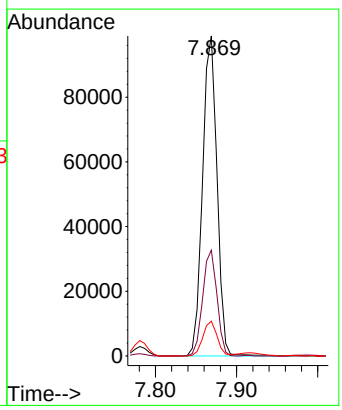
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

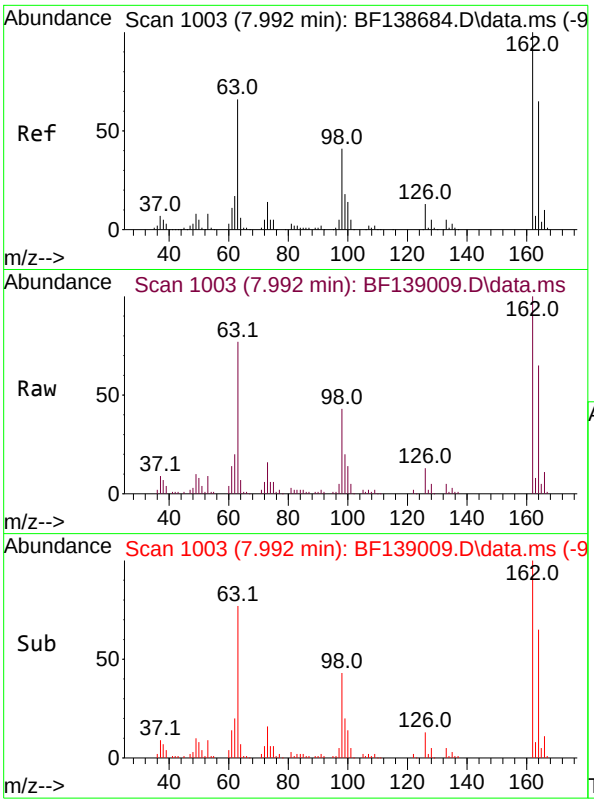


#28
bis(2-Chloroethoxy)methane
Concen: 57.810 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 93 Resp: 121989

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.8
123	10.8	9.4	14.0

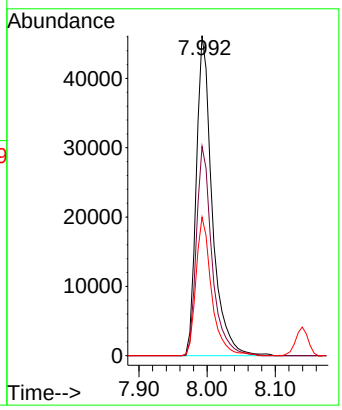




#29
2,4-Dichlorophenol
Concen: 54.666 ng
RT: 7.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:162 Resp: 7466

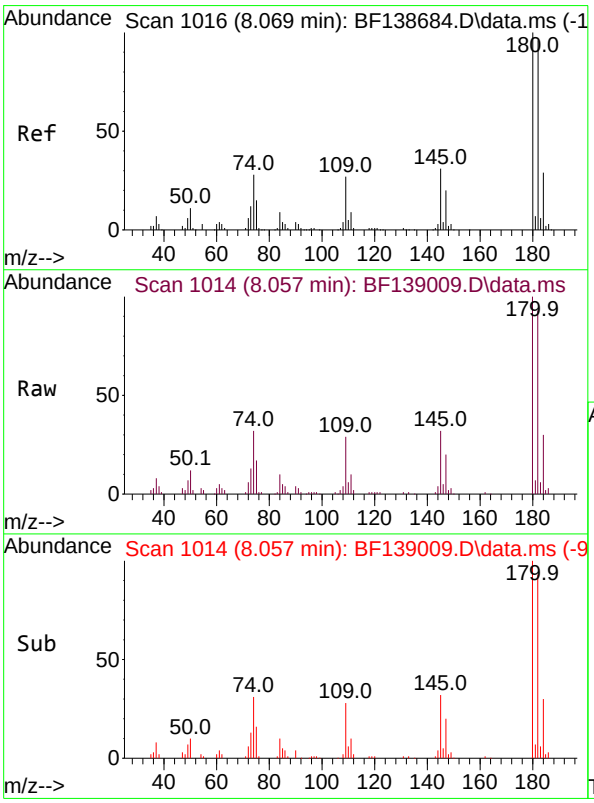
Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.7	84.7
98	43.3	20.8	60.8



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

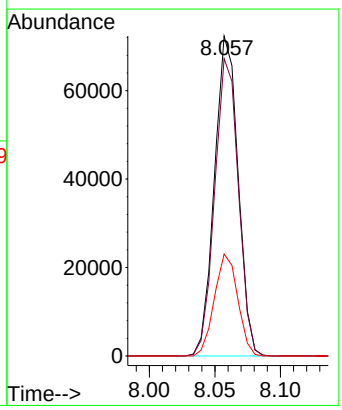
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

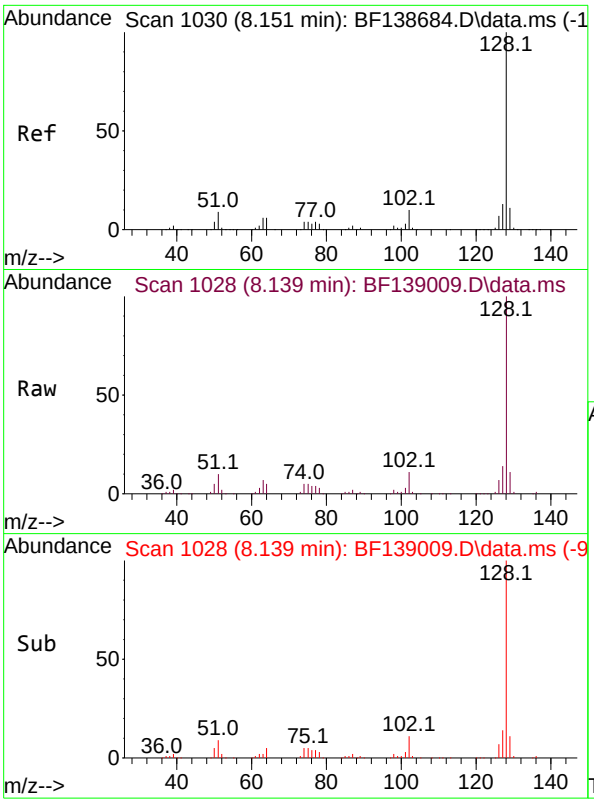


#30
1,2,4-Trichlorobenzene
Concen: 57.399 ng
RT: 8.057 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:180 Resp: 90476

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.9	115.3
145	31.9	25.0	37.4

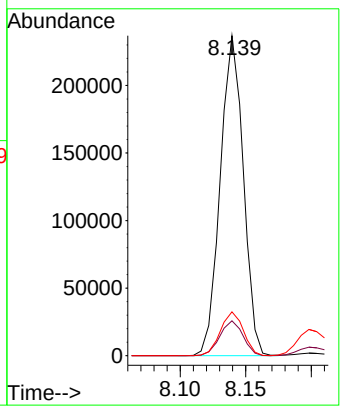




#31
Naphthalene
Concen: 55.480 ng
RT: 8.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:128 Resp: 28974

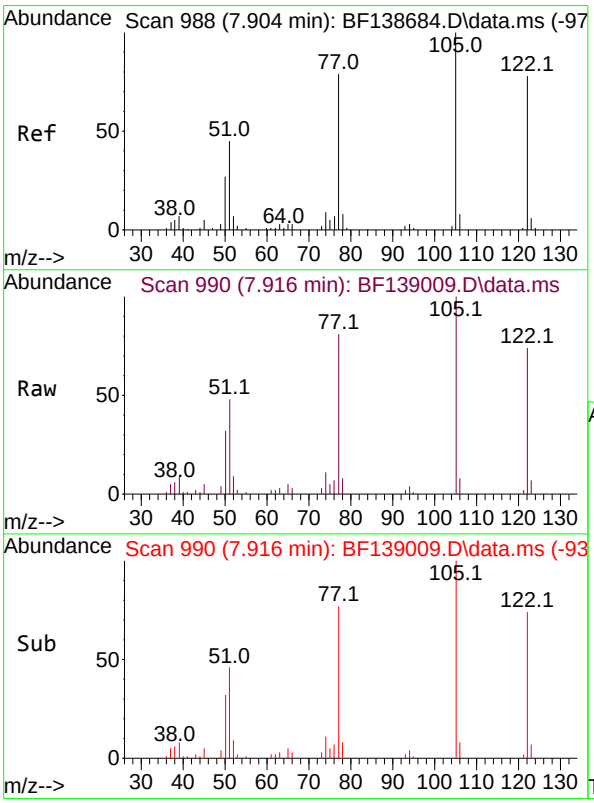
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

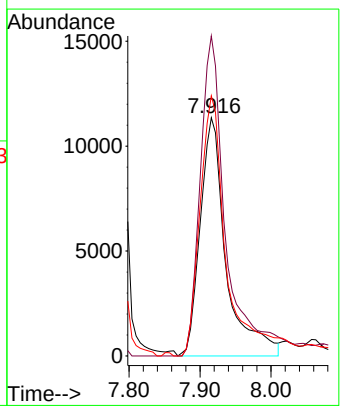
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

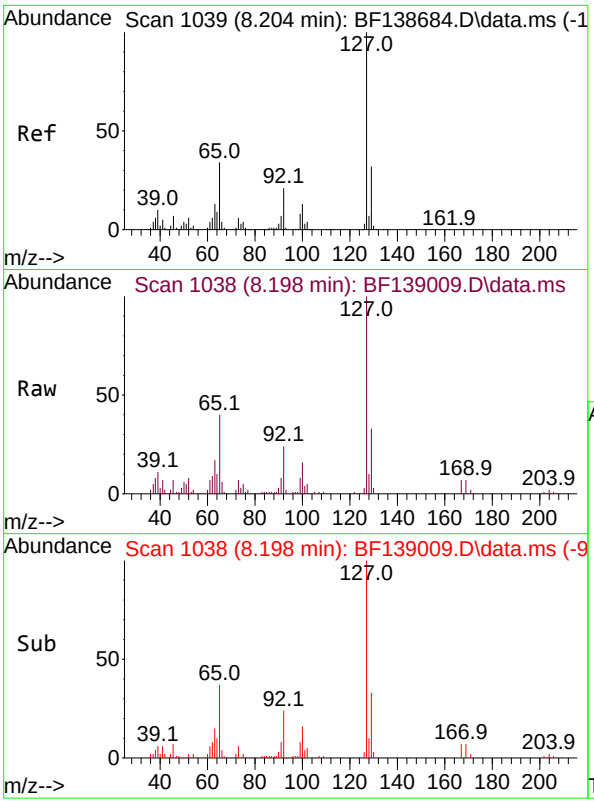


#32
Benzoic acid
Concen: 34.487 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:122 Resp: 28816

Ion	Ratio	Lower	Upper
122	100		
105	134.4	106.7	146.7
77	109.2	81.1	121.1

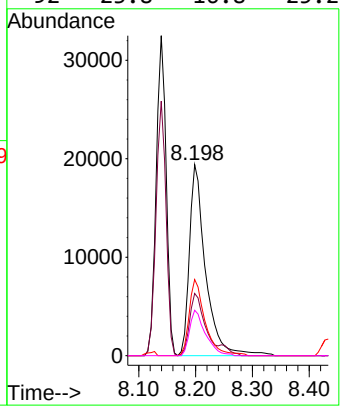




#33
4-Chloroaniline
Concen: 21.955 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:127 Resp: 3848

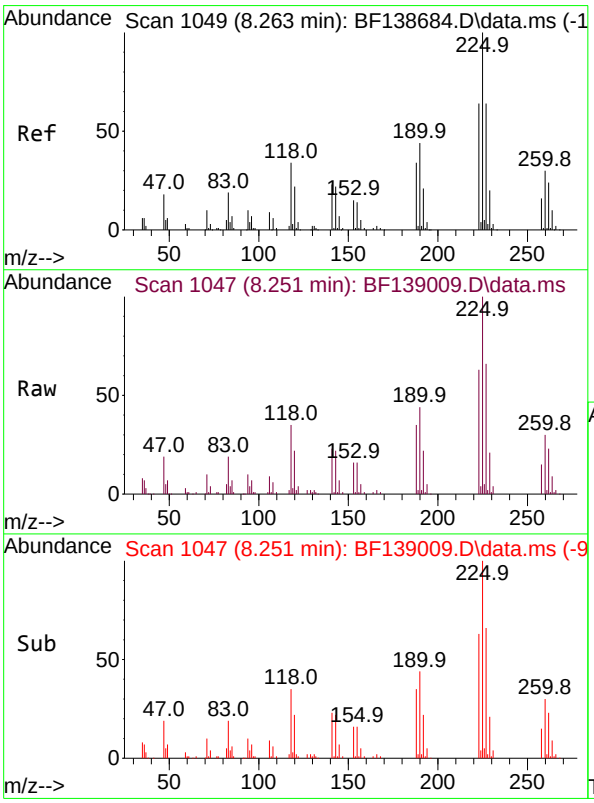
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	39.8	27.6	41.4
92	23.8	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

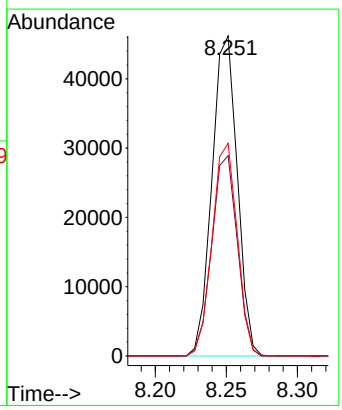
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

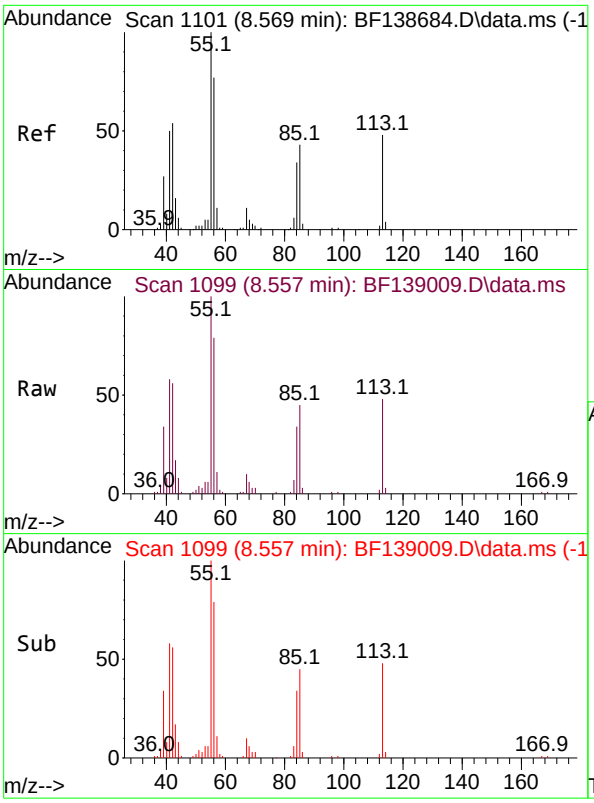


#34
Hexachlorobutadiene
Concen: 59.947 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:225 Resp: 57234

Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.2	76.8
227	66.4	51.1	76.7

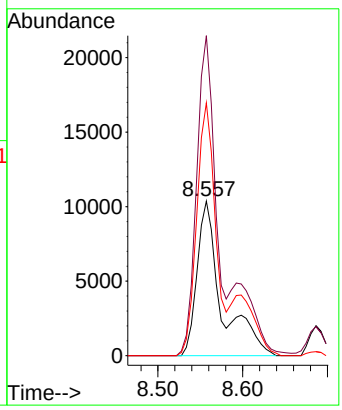




#35
Caprolactam
Concen: 51.062 ng m
RT: 8.557 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:113 Resp: 2081

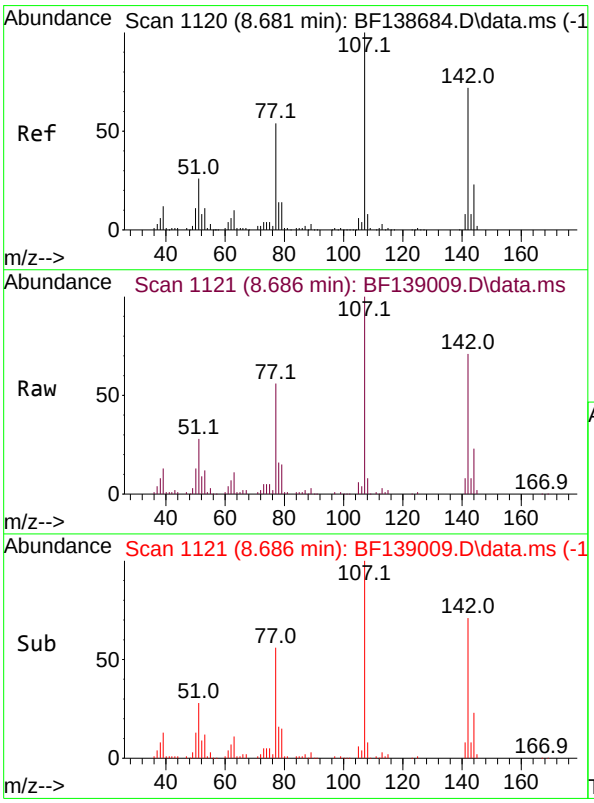
Ion	Ratio	Lower	Upper
113	100		
55	207.1	186.7	226.7
56	163.7	138.9	178.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

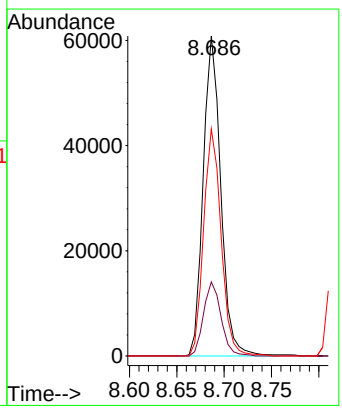
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

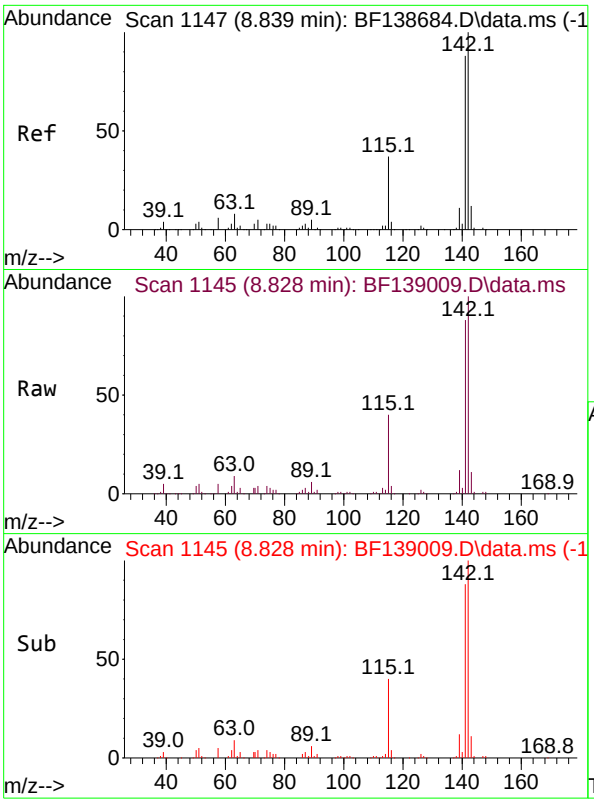


#36
4-Chloro-3-methylphenol
Concen: 50.208 ng
RT: 8.686 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:107 Resp: 78375

Ion	Ratio	Lower	Upper
107	100		
144	23.1	18.2	27.2
142	70.9	57.4	86.2





#37
2-Methylnaphthalene
Concen: 51.092 ng
RT: 8.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

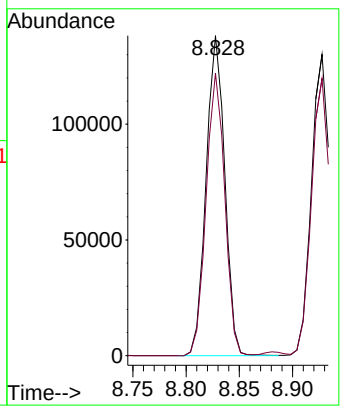
Tgt Ion:142 Resp: 16851

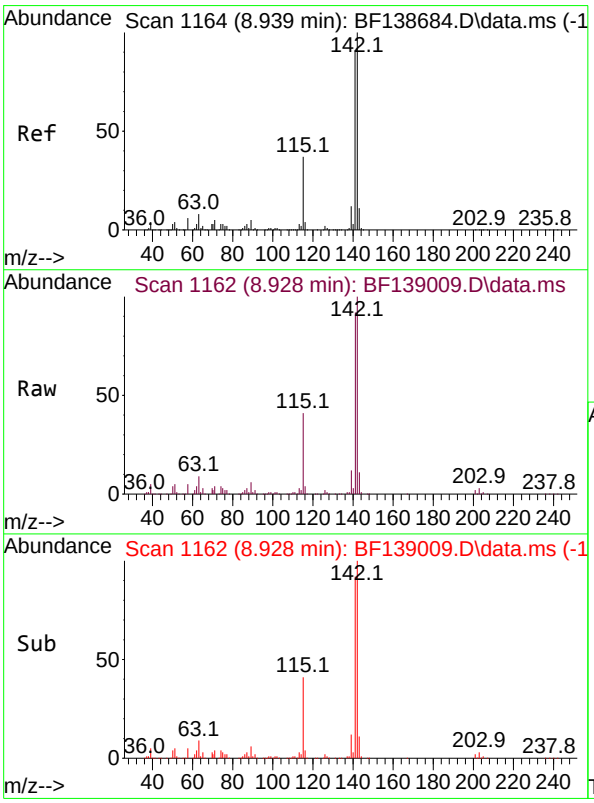
Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

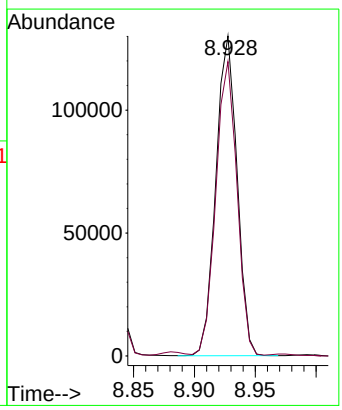


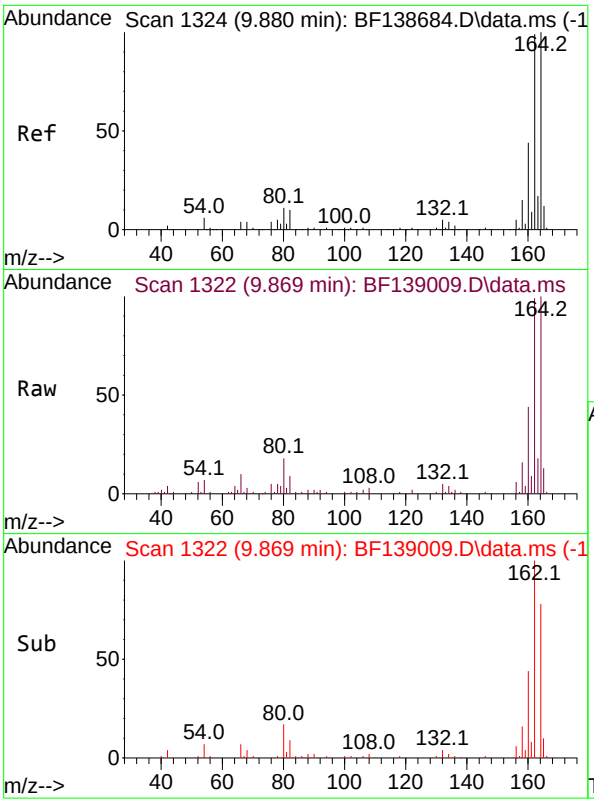


#38
1-Methylnaphthalene
Concen: 48.709 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:142 Resp: 157426

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7

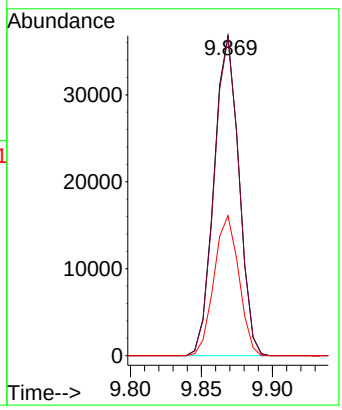




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:164 Resp: 4477

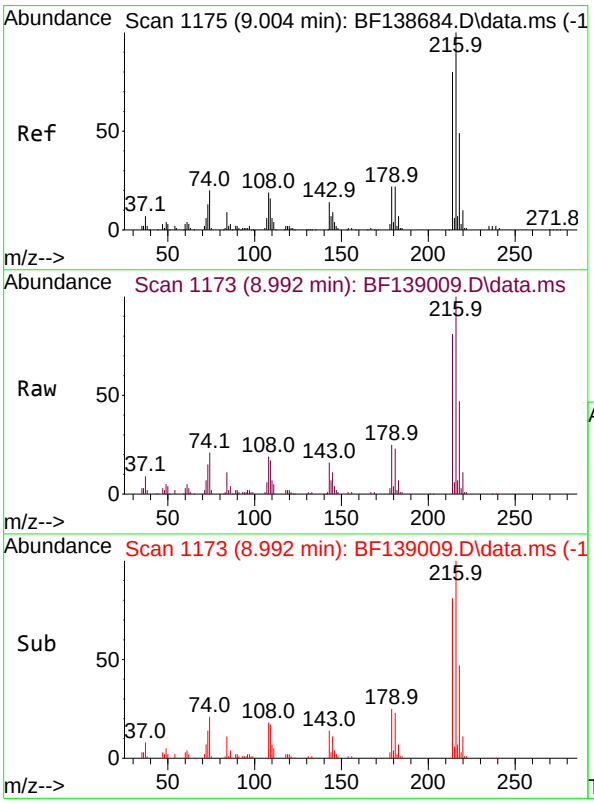
Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	43.8	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
APPROVED

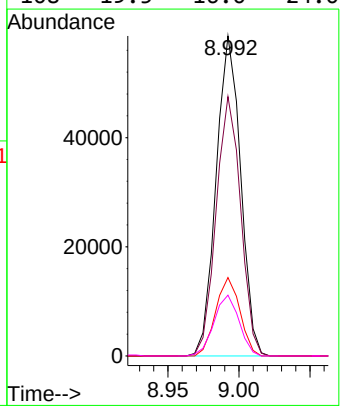
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

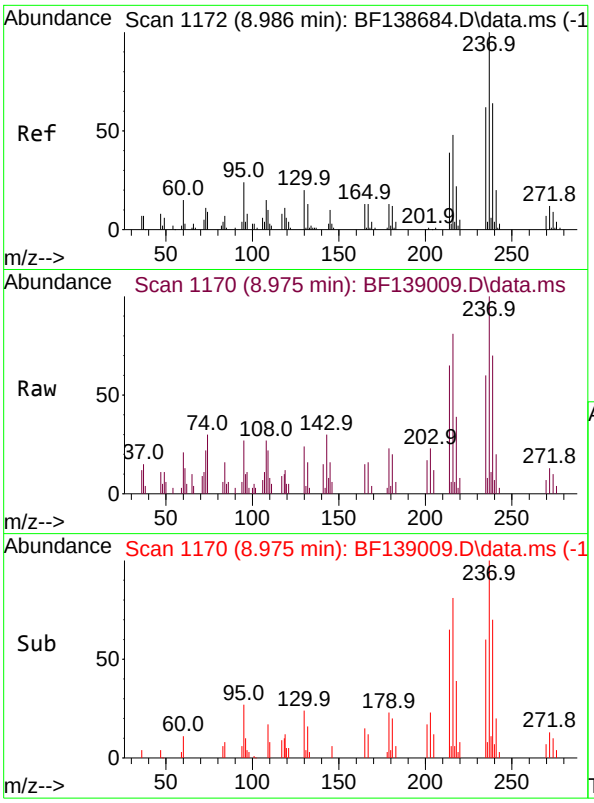


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.476 ng
RT: 8.992 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:216 Resp: 70238

Ion	Ratio	Lower	Upper
216	100		
214	80.9	63.9	95.9
179	24.3	17.8	26.6
108	19.5	16.0	24.0





#41
Hexachlorocyclopentadiene
Concen: 23.958 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

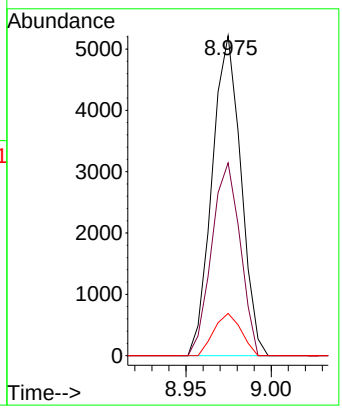
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

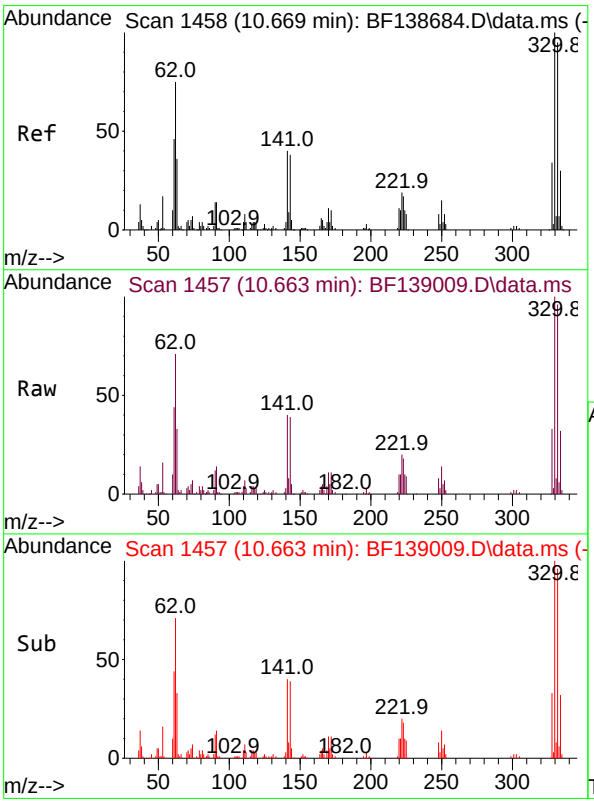
Tgt Ion:237 Resp: 612

Ion	Ratio	Lower	Upper
237	100		
235	60.3	41.8	81.8
272	13.2	0.0	32.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

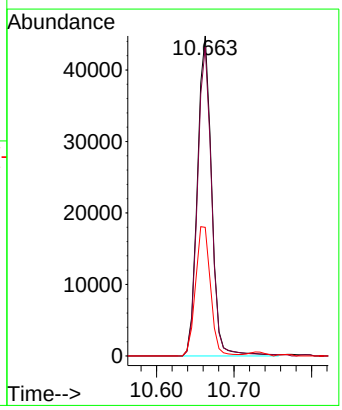


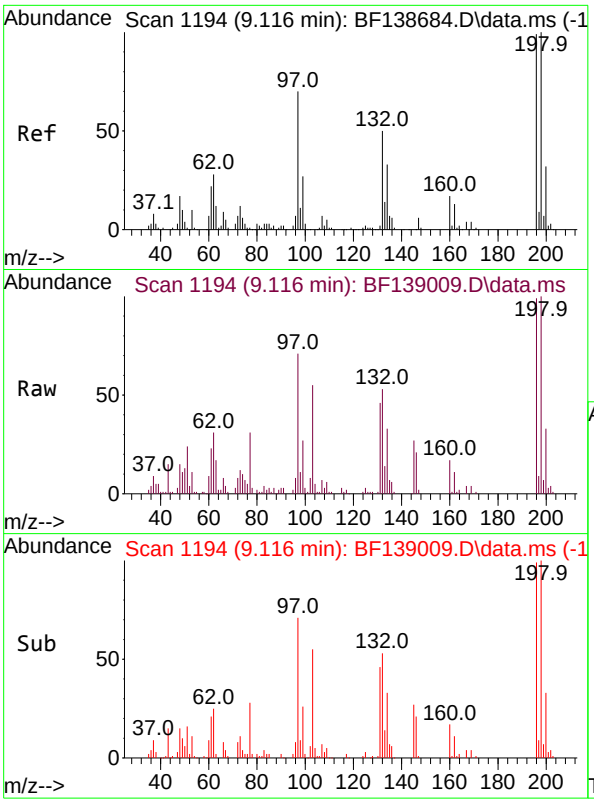


#42
2,4,6-Tribromophenol
Concen: 155.598 ng
RT: 10.663 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:330 Resp: 57063

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.4	114.6
141	42.5	31.1	46.7

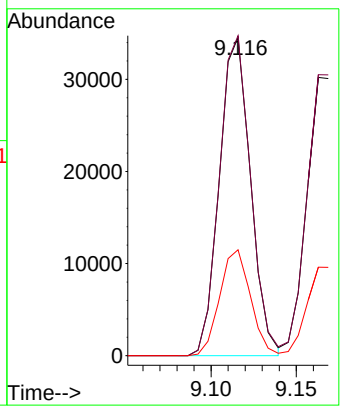




#43
2,4,6-Trichlorophenol
Concen: 57.909 ng
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:196 Resp: 4391

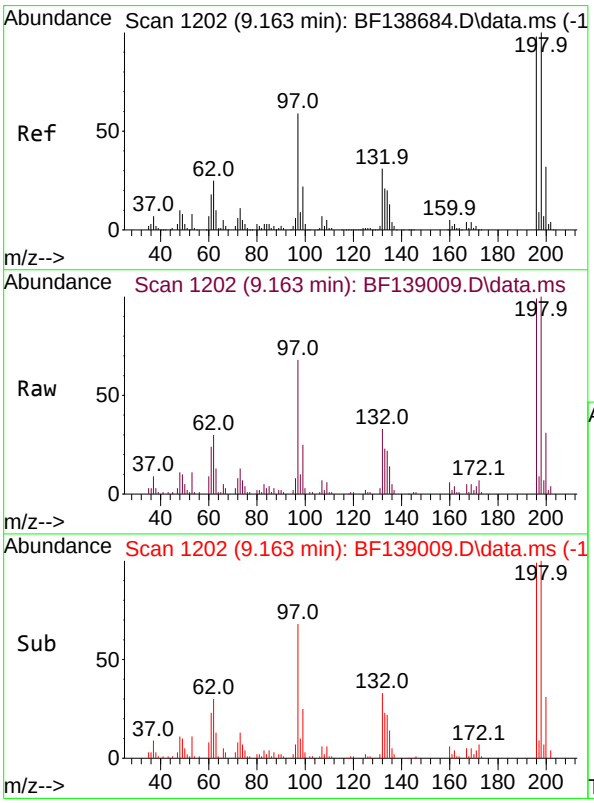
Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.5	120.7
200	33.3	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

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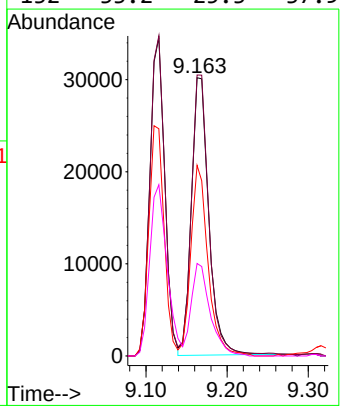
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

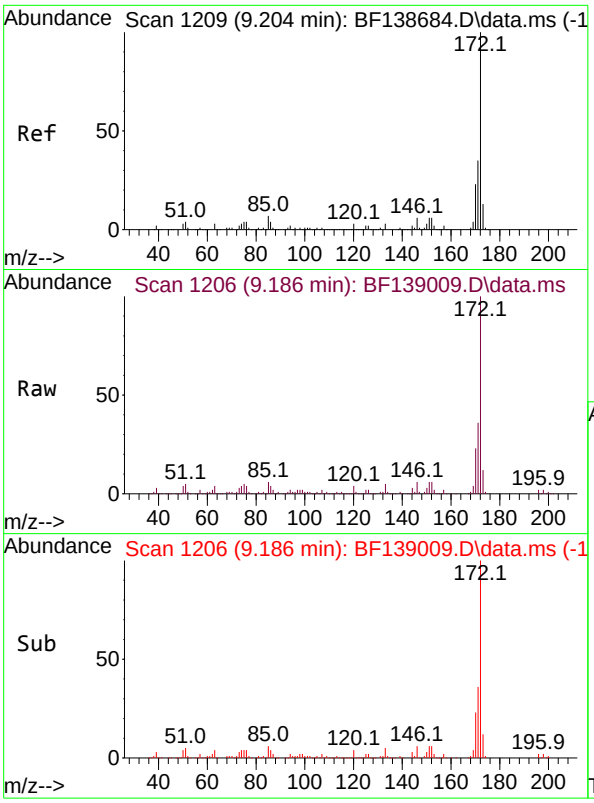


#44
2,4,5-Trichlorophenol
Concen: 54.197 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:196 Resp: 44928

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.2	121.8
97	68.5	47.8	71.6
132	33.2	25.3	37.9





#45
2-Fluorobiphenyl
Concen: 86.857 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

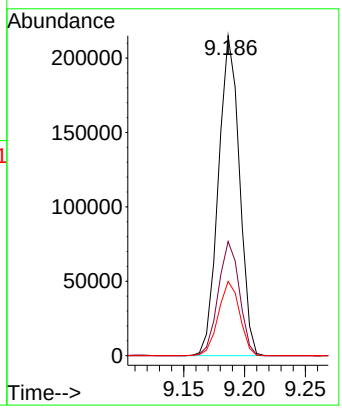
Tgt Ion:172 Resp: 25881

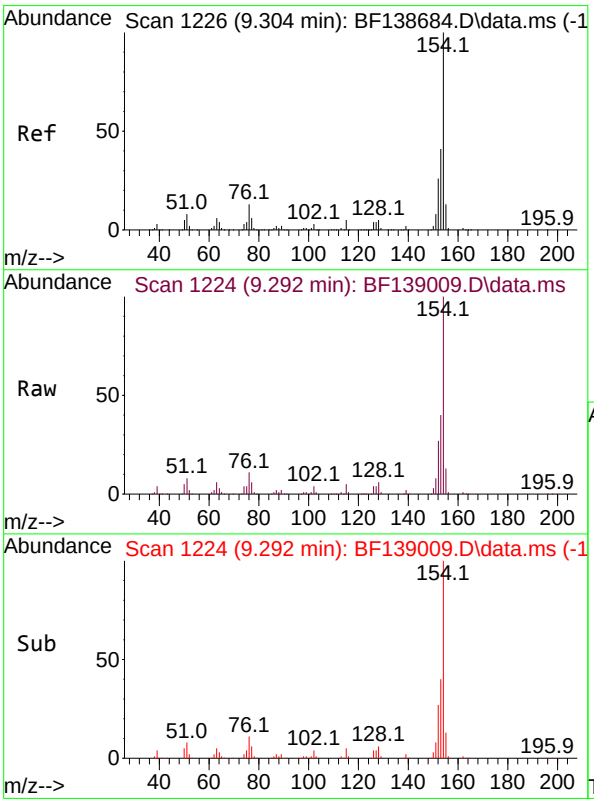
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.2	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

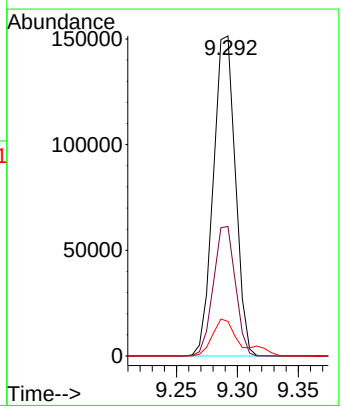


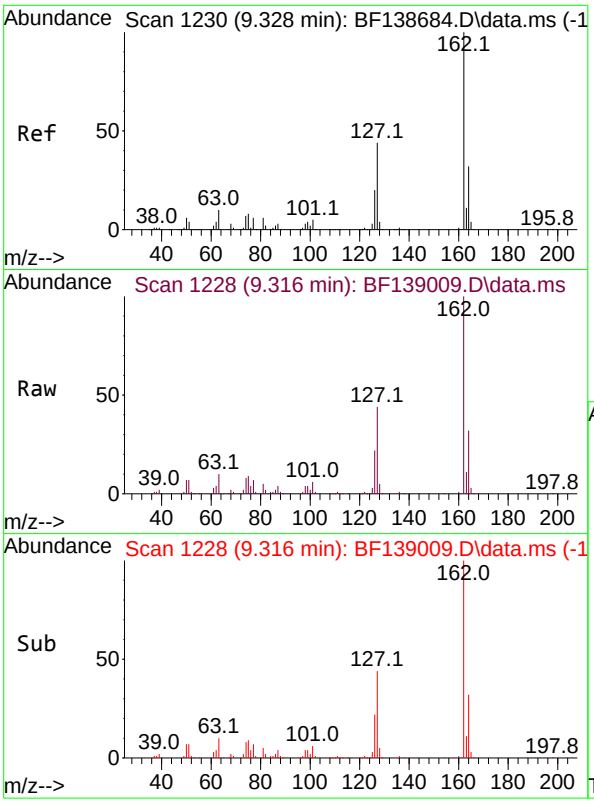


#46
1,1'-Biphenyl
Concen: 54.578 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:154 Resp: 191371

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.8	60.8
76	10.8	0.0	32.8

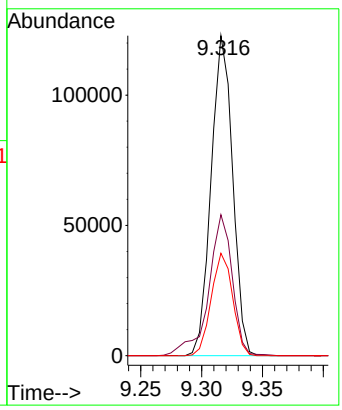




#47
2-Chloronaphthalene
Concen: 57.953 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:162 Resp: 15113

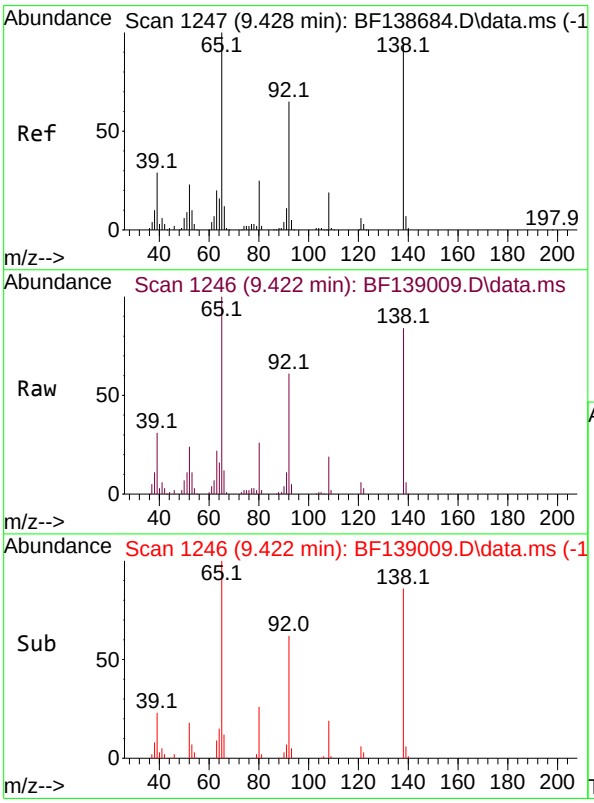
Ion	Ratio	Lower	Upper
162	100		
127	44.0	35.4	53.2
164	32.0	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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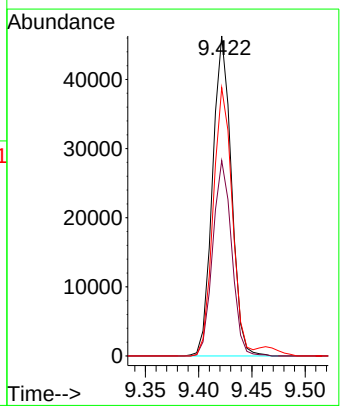
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

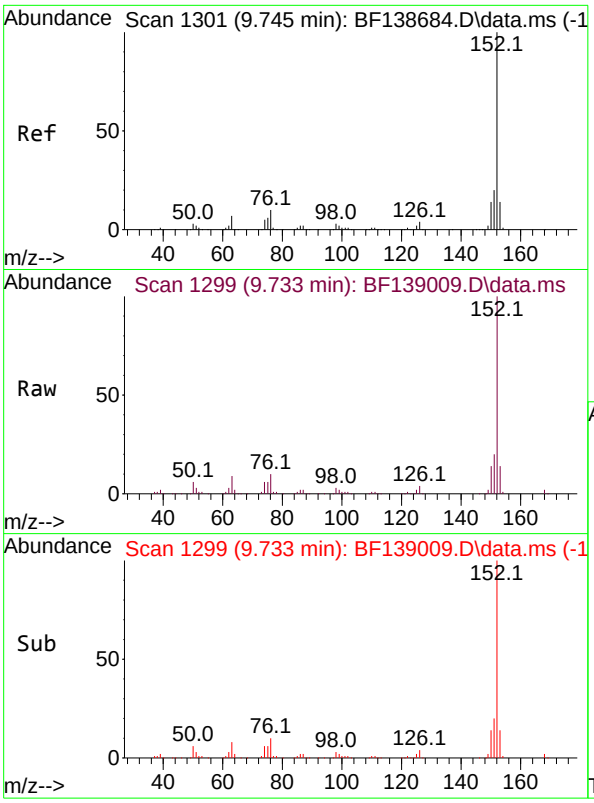


#48
2-Nitroaniline
Concen: 64.519 ng
RT: 9.422 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion: 65 Resp: 57040

Ion	Ratio	Lower	Upper
65	100		
92	61.1	52.0	78.0
138	83.9	76.2	114.4





#49
Acenaphthylene
Concen: 60.864 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

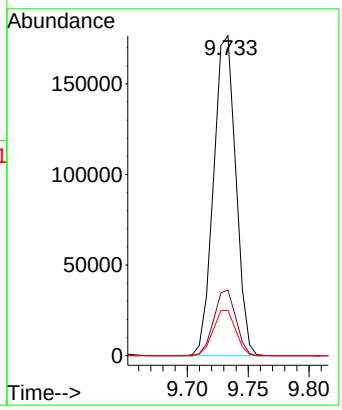
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

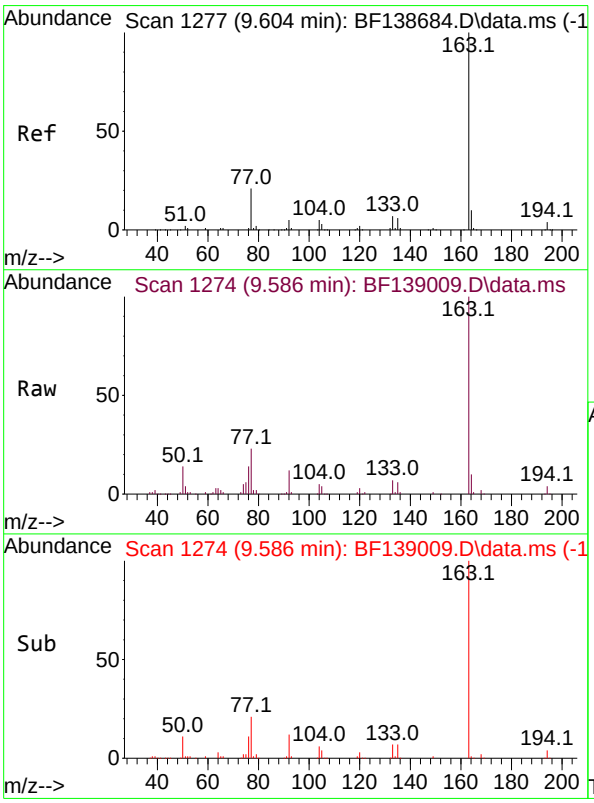
Tgt Ion:152 Resp: 22511

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.0	24.0
153	14.2	11.0	16.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

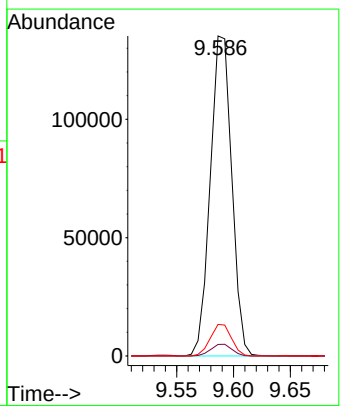


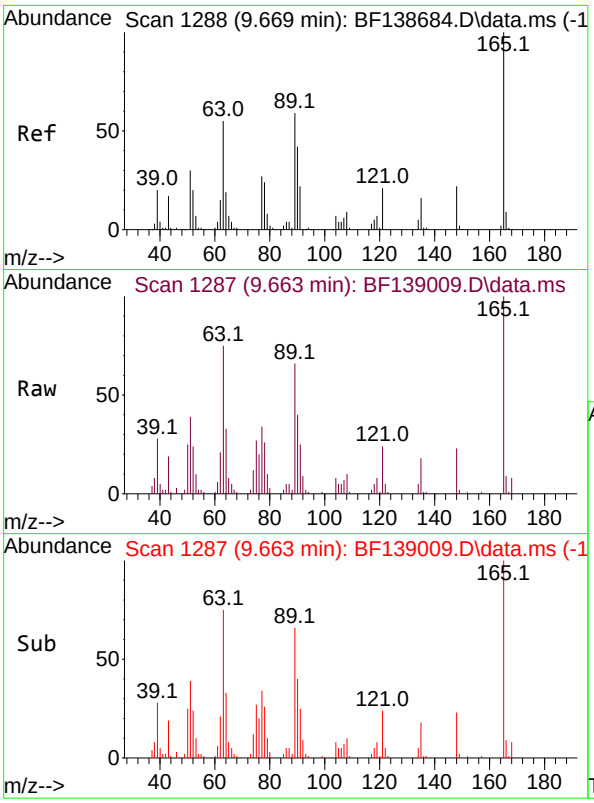


#50
Dimethylphthalate
Concen: 62.232 ng
RT: 9.586 min Scan# 1274
Delta R.T. -0.018 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:163 Resp: 178154

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.9	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 56.865 ng
RT: 9.663 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

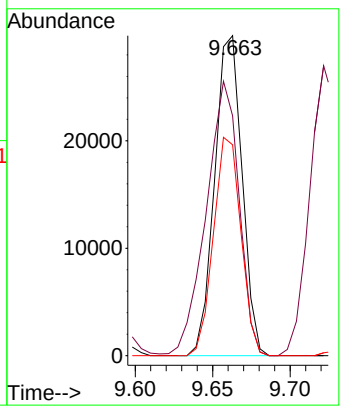
Tgt Ion:165 Resp: 3673

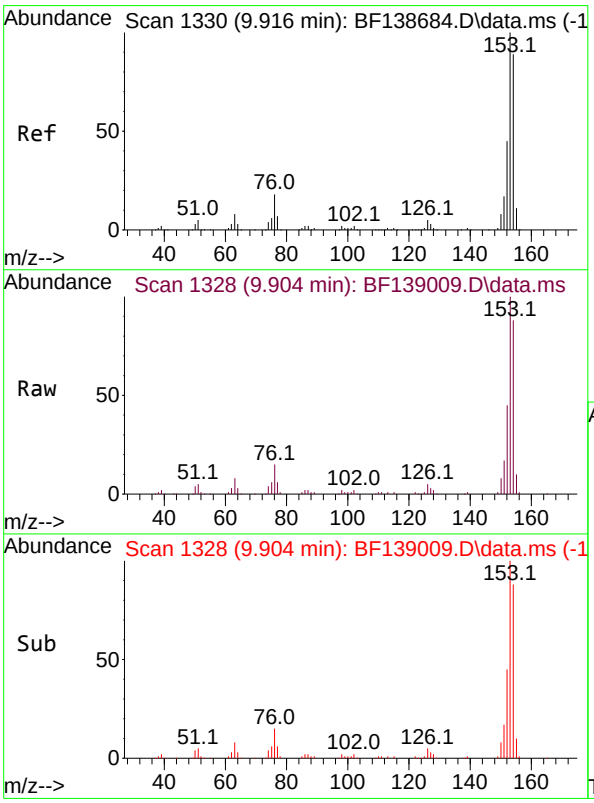
Ion	Ratio	Lower	Upper
165	100		
63	75.0	52.0	78.0
89	65.9	47.0	70.6

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

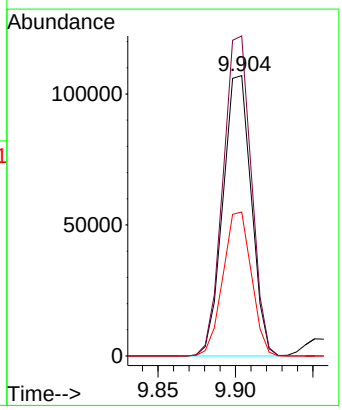


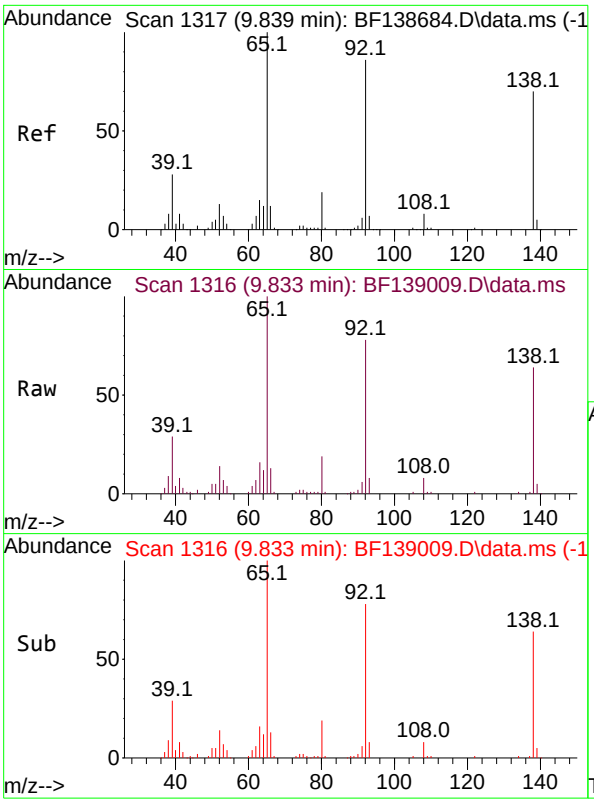


#52
Acenaphthene
Concen: 54.811 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:154 Resp: 136276

Ion	Ratio	Lower	Upper
154	100		
153	114.1	89.9	134.9
152	51.3	40.6	60.8

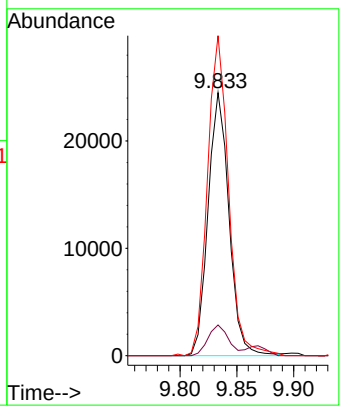




#53
3-Nitroaniline
Concen: 47.008 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:138 Resp: 3139

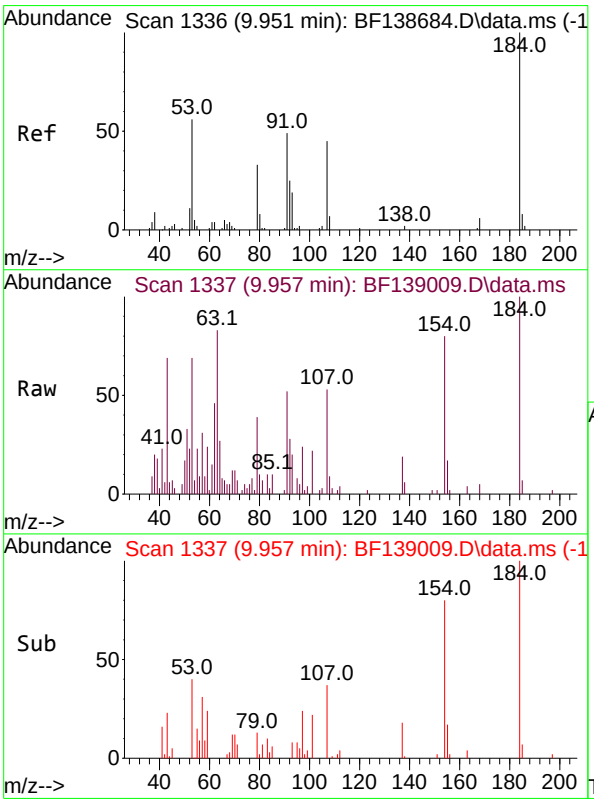
Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.1	13.7
92	121.6	98.7	148.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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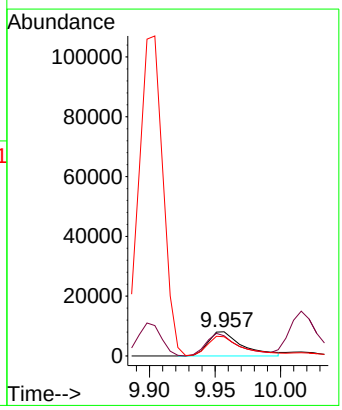
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

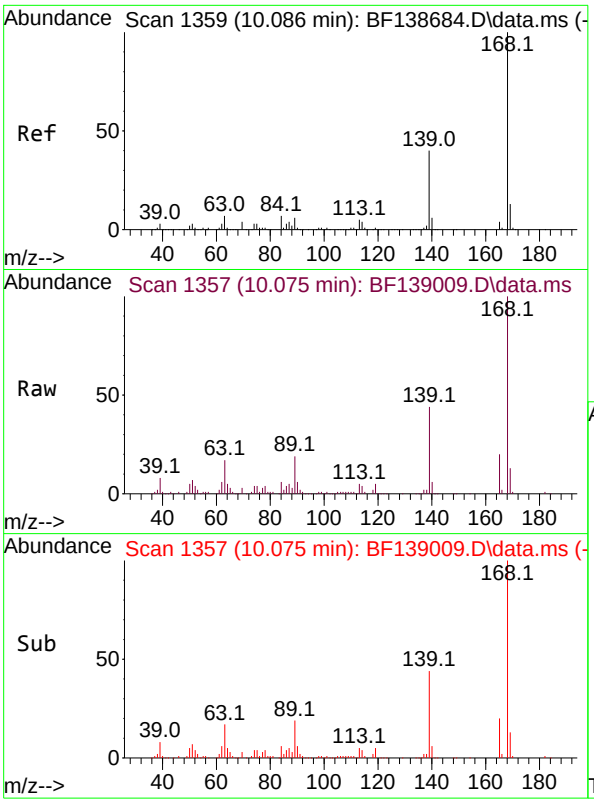


#54
2,4-Dinitrophenol
Concen: 49.236 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:184 Resp: 14643

Ion	Ratio	Lower	Upper
184	100		
63	83.3	57.5	86.3
154	79.6	51.7	77.5#

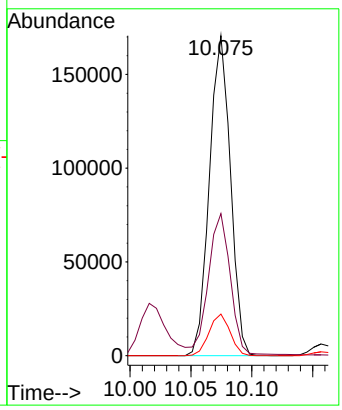




#55
Dibenzofuran
Concen: 58.467 ng
RT: 10.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:168 Resp: 20520

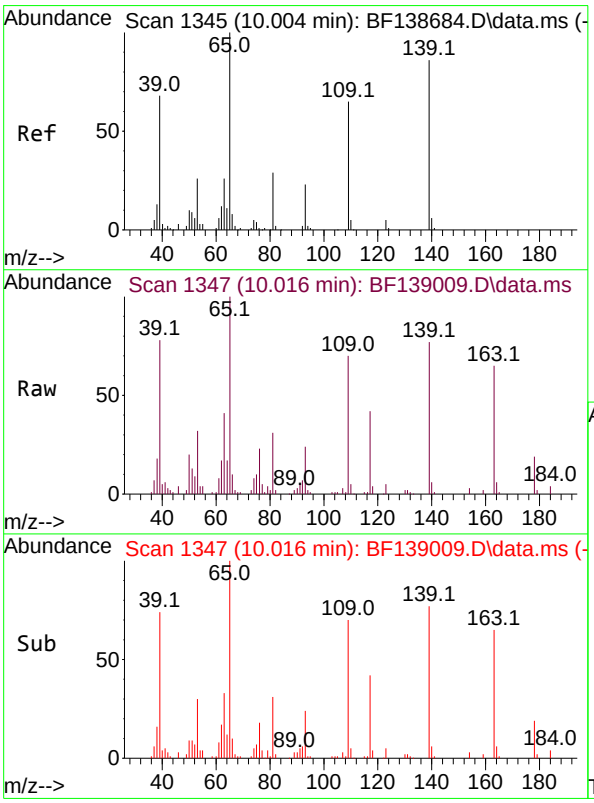
Ion	Ratio	Lower	Upper
168	100		
139	44.4	32.6	49.0
169	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

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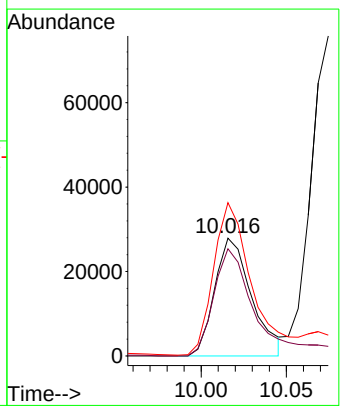
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

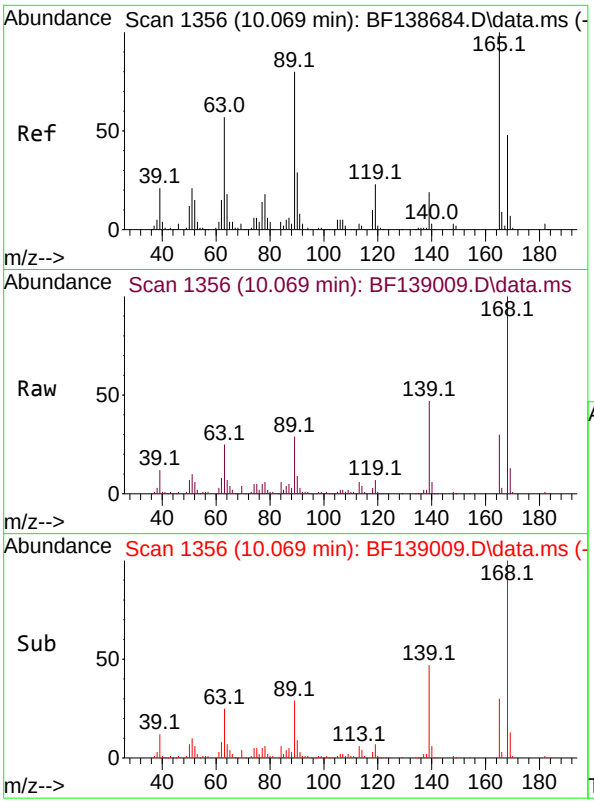


#56
4-Nitrophenol
Concen: 104.842 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:139 Resp: 42108

Ion	Ratio	Lower	Upper
139	100		
109	91.1	55.5	95.5
65	130.1	96.7	136.7

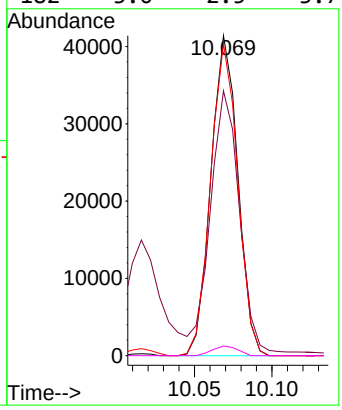




#57
2,4-Dinitrotoluene
Concen: 60.713 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:165 Resp: 5004

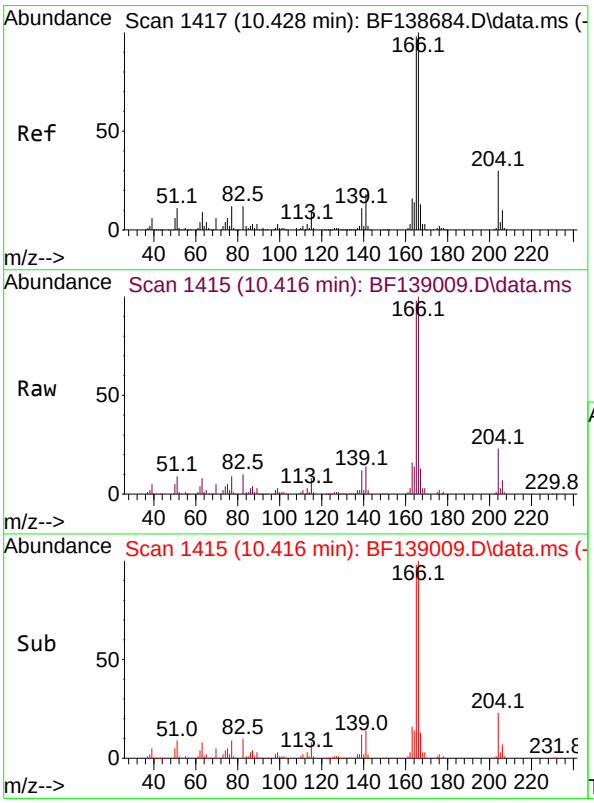
Ion	Ratio	Lower	Upper
165	100		
63	82.7	46.3	69.5#
89	97.5	64.2	96.4#
182	3.0	2.5	3.7



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

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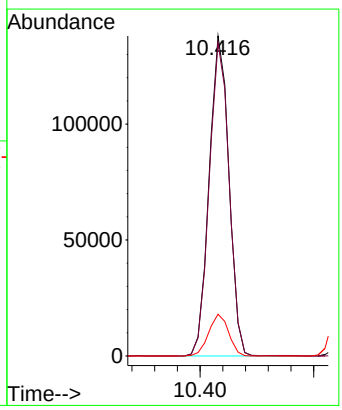
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

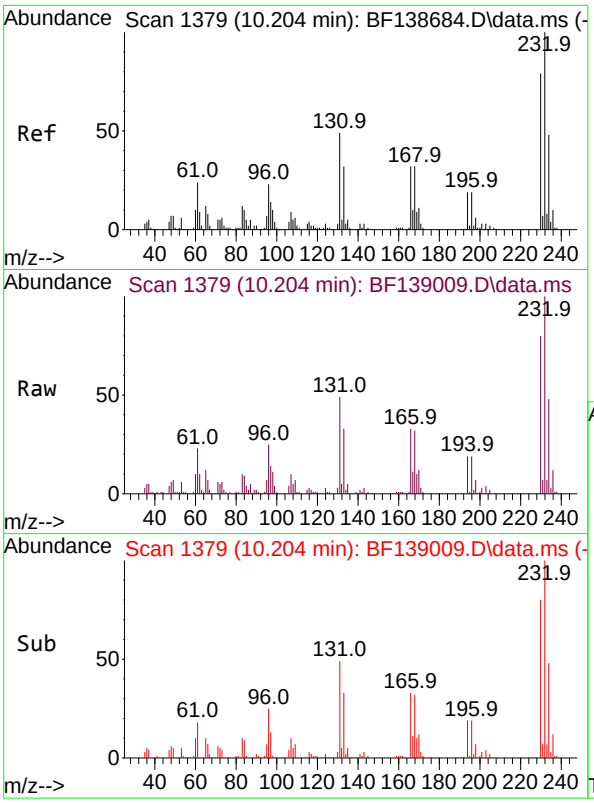


#58
Fluorene
Concen: 59.585 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:166 Resp: 166533

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	13.1	10.6	16.0

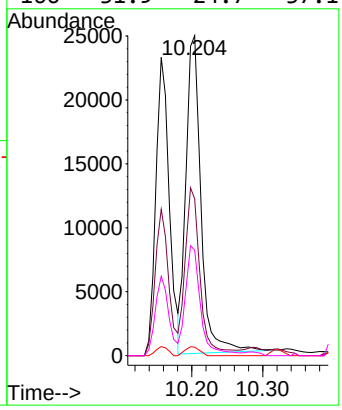




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.110 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:232 Resp: 3682

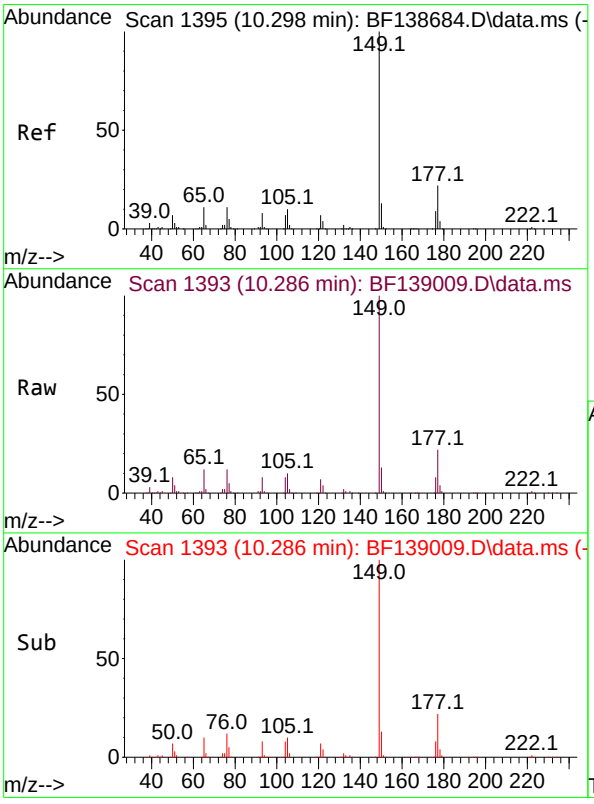
Ion	Ratio	Lower	Upper
232	100		
131	48.1	37.0	55.4
130	2.7	2.0	3.0
166	31.9	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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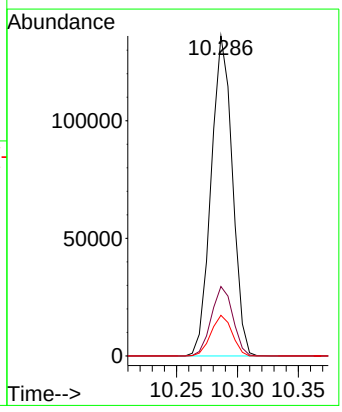
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

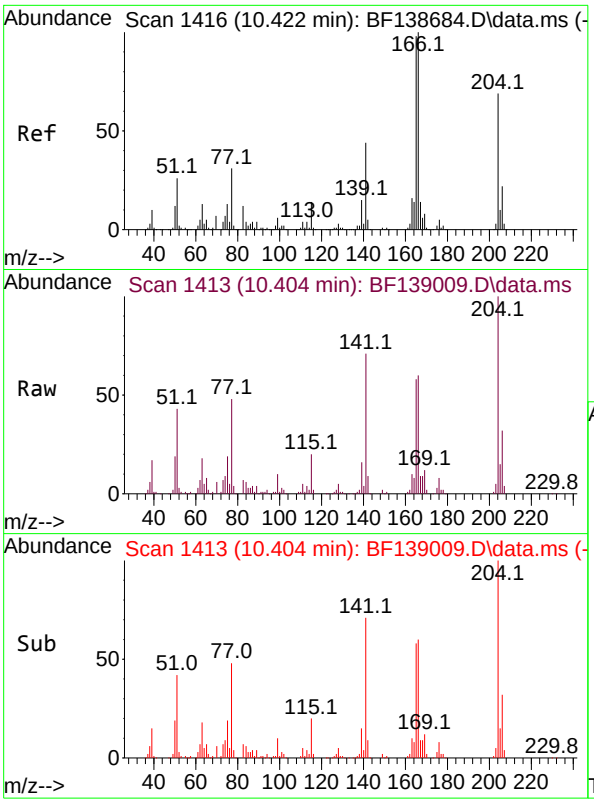


#60
Diethylphthalate
Concen: 60.967 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:149 Resp: 165485

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.8	26.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 56.913 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

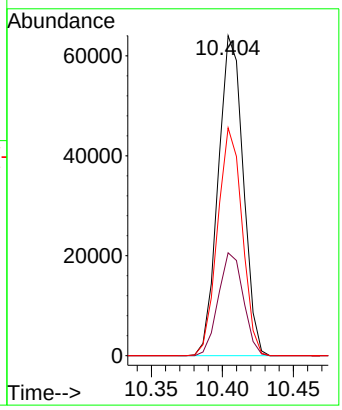
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

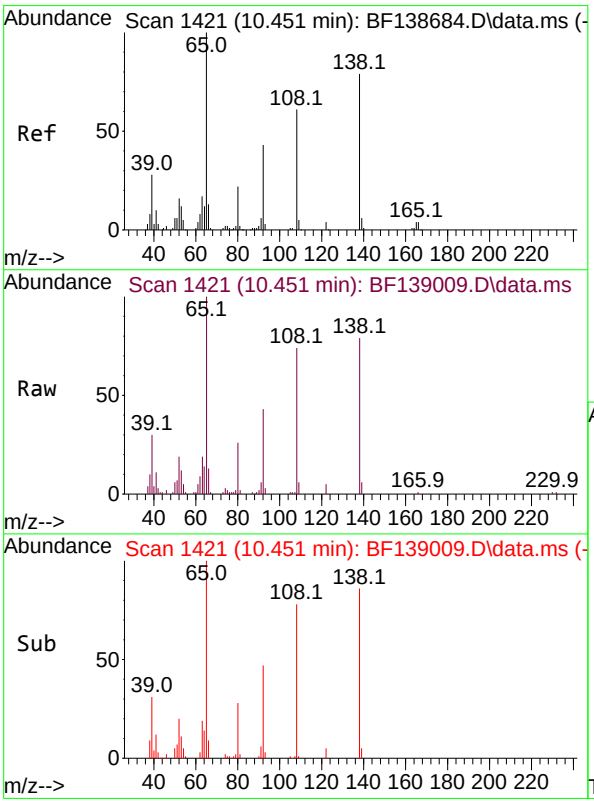
Tgt Ion:204 Resp: 7823

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.1	39.1
141	71.2	51.4	77.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

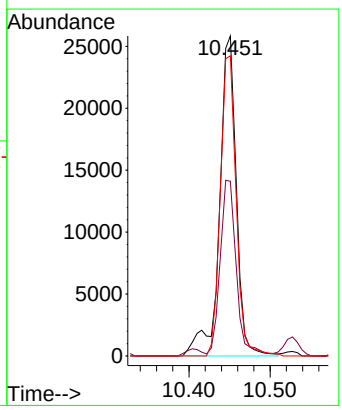


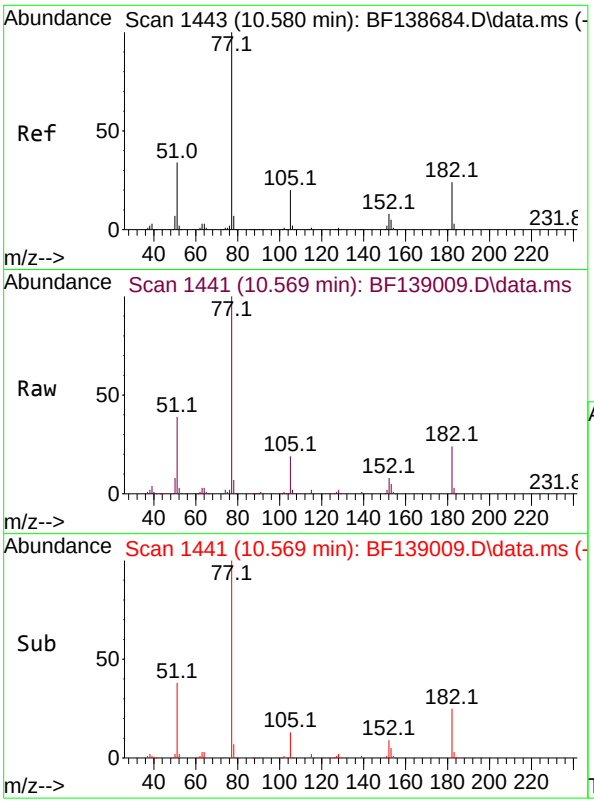


#62
4-Nitroaniline
Concen: 58.910 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:138 Resp: 37390

Ion	Ratio	Lower	Upper
138	100		
92	54.6	34.2	74.2
108	93.8	56.2	96.2





#63
Azobenzene
Concen: 59.252 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

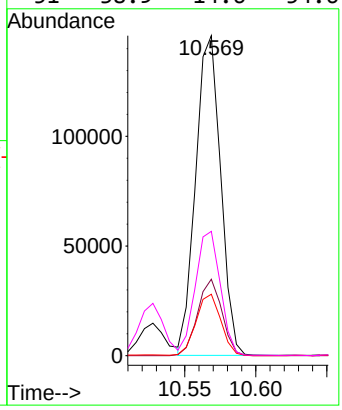
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

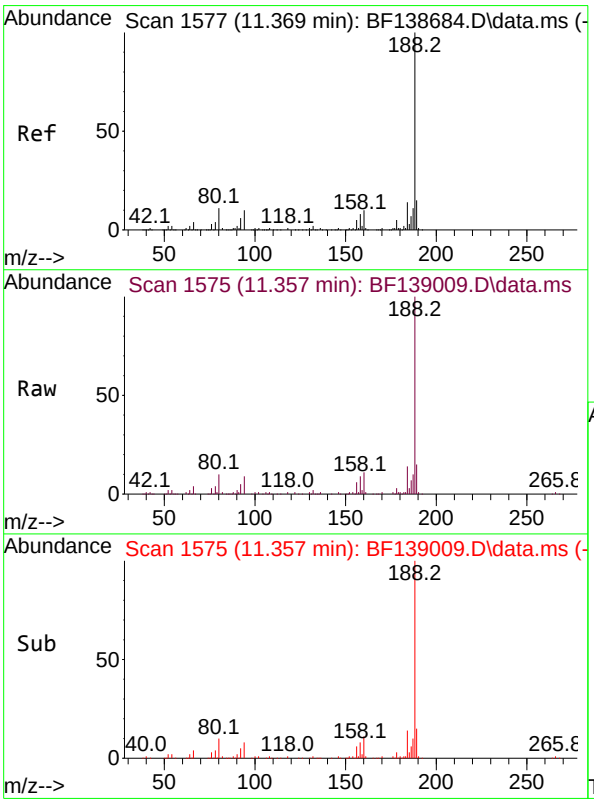
Tgt Ion: 77 Resp: 17837

Ion	Ratio	Lower	Upper
77	100		
182	23.9	3.4	43.4
105	19.2	0.2	40.2
51	38.9	14.6	54.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

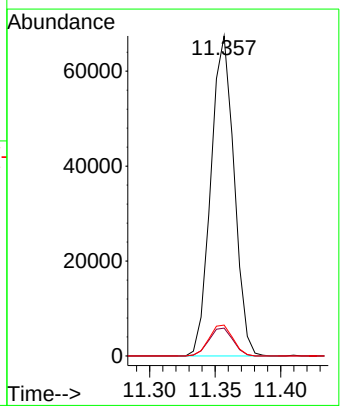


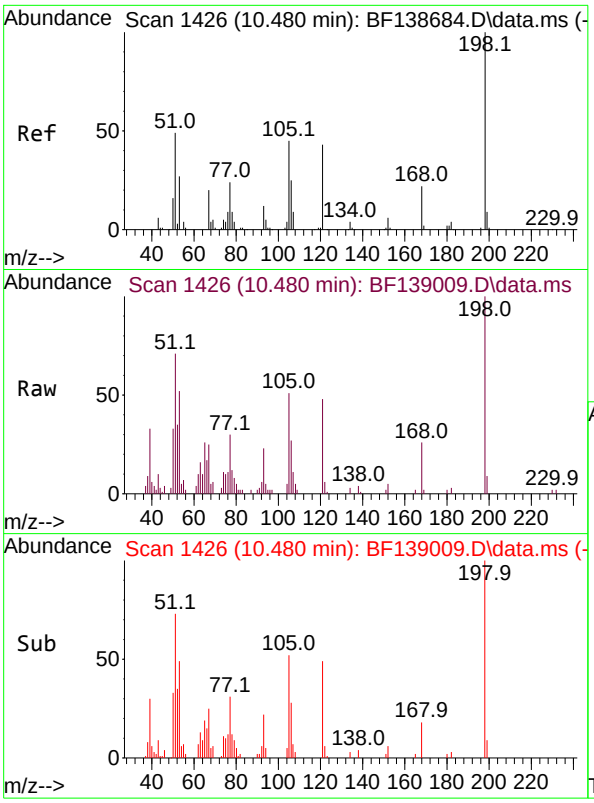


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:188 Resp: 83010

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.6	11.4
80	9.6	8.6	12.8

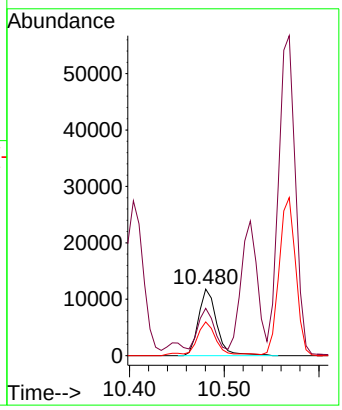




#65
4,6-Dinitro-2-methylphenol
Concen: 31.199 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:198 Resp: 1580

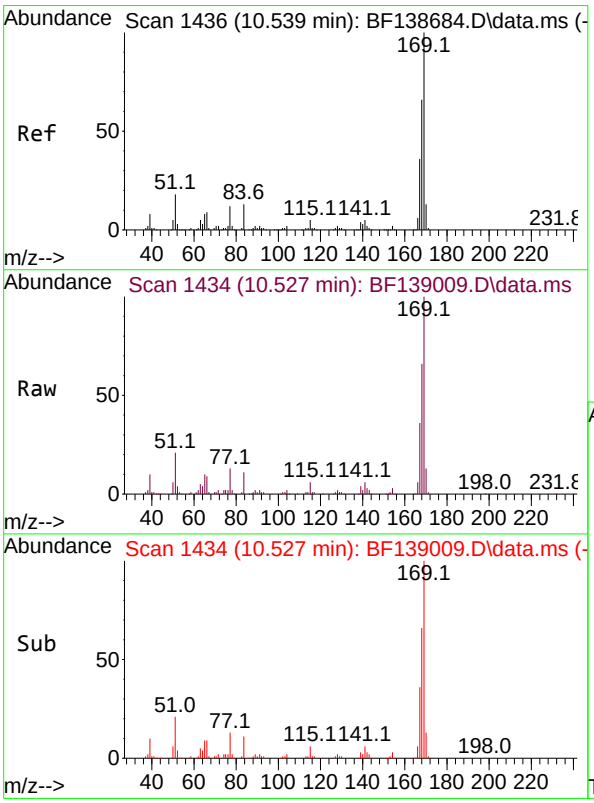
Ion	Ratio	Lower	Upper
198	100		
51	71.2	39.9	79.9
105	50.7	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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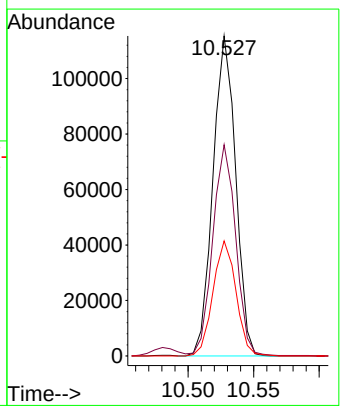
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

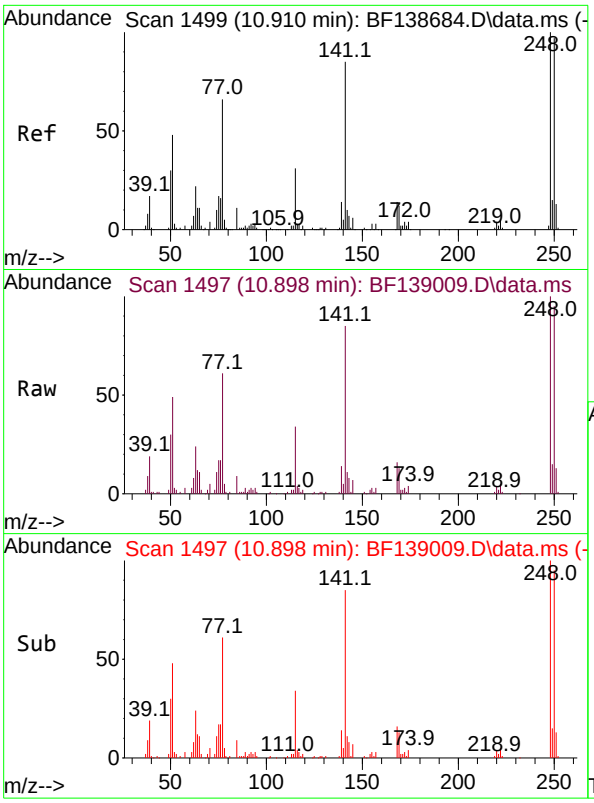


#66
n-Nitrosodiphenylamine
Concen: 53.389 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:169 Resp: 138530

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.0	79.6
167	35.9	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 51.744 ng
RT: 10.898 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

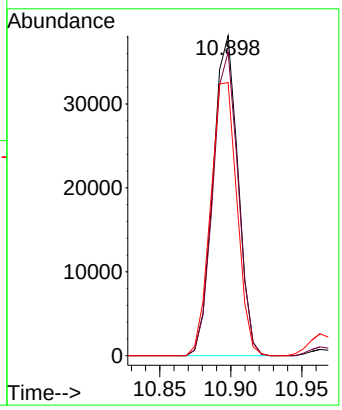
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

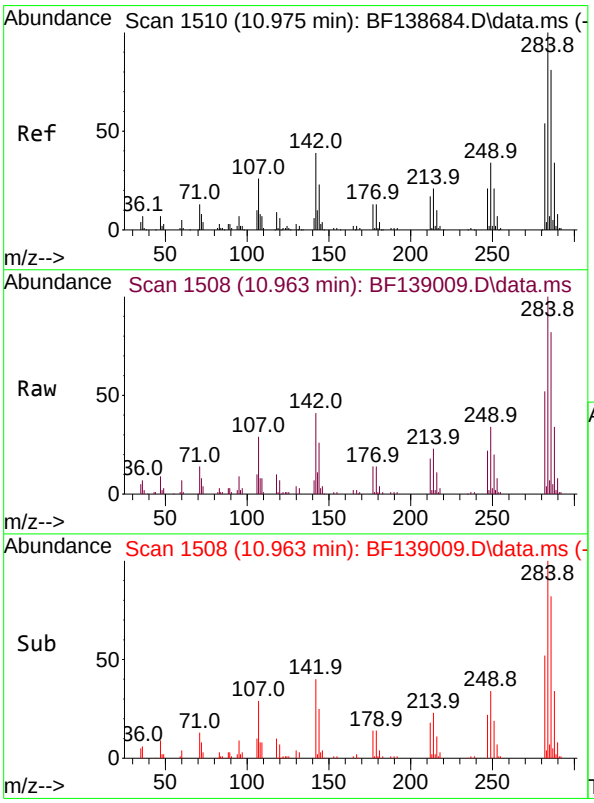
Tgt Ion:248 Resp: 4650

Ion	Ratio	Lower	Upper
248	100		
250	94.9	77.7	116.5
141	85.4	68.0	102.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

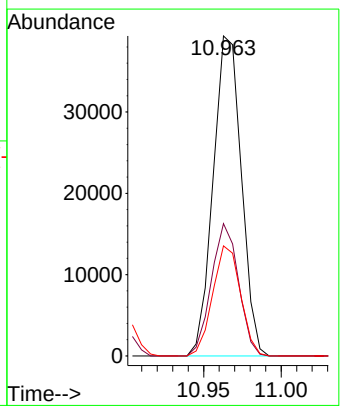


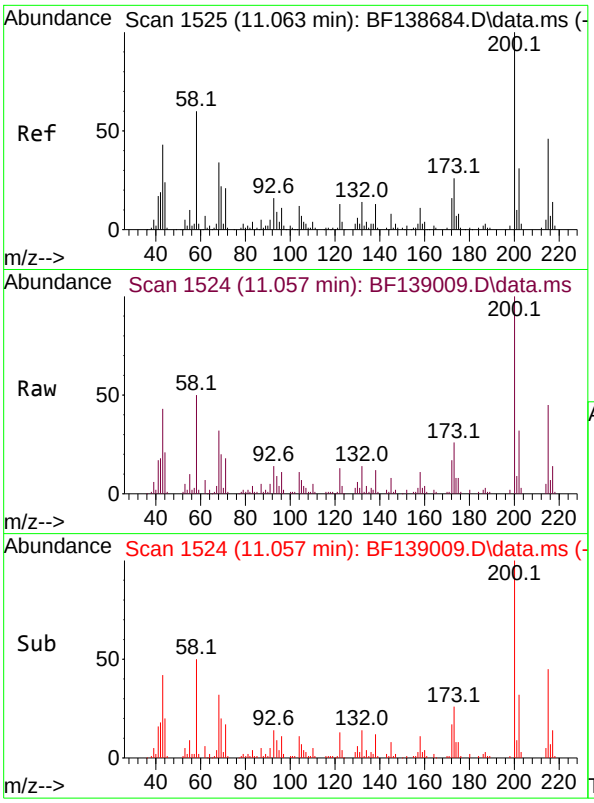


#68
Hexachlorobenzene
Concen: 53.622 ng
RT: 10.963 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:284 Resp: 49759

Ion	Ratio	Lower	Upper
284	100		
142	41.3	31.3	46.9
249	34.4	27.2	40.8

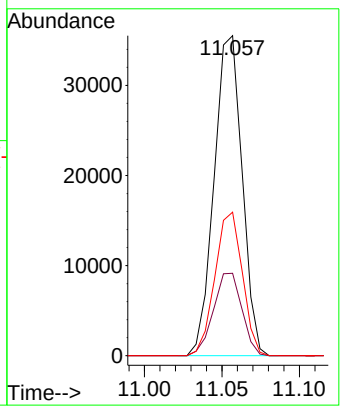




#69
Atrazine
Concen: 66.708 ng
RT: 11.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:200 Resp: 4465

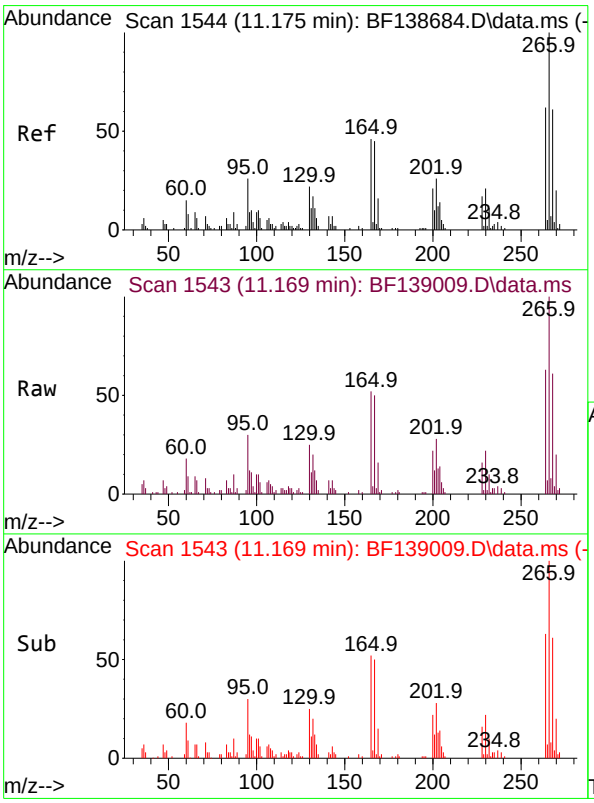
Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.0	46.0
215	44.9	26.1	66.1



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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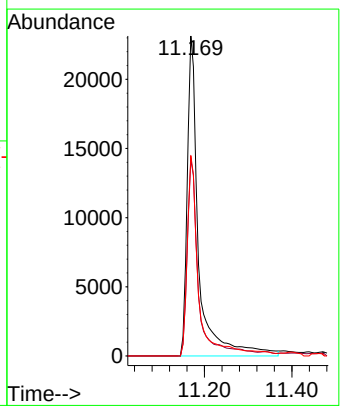
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

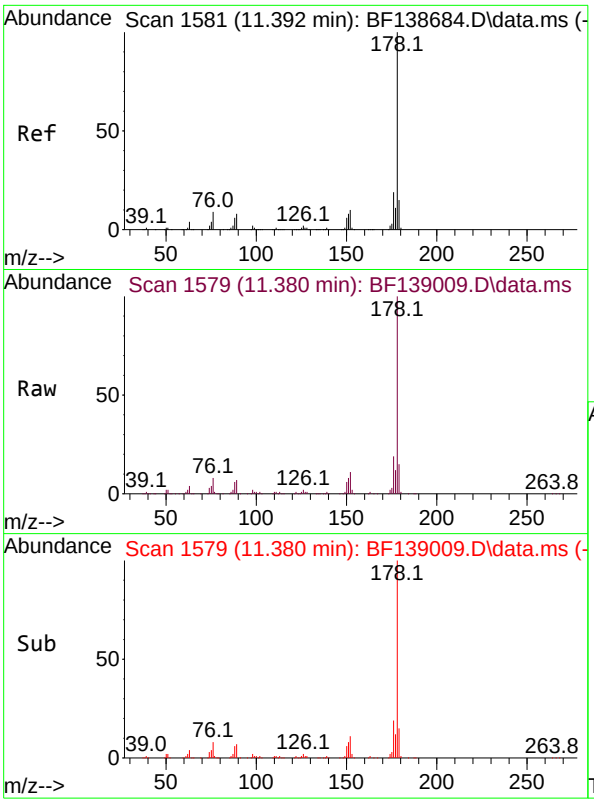


#70
Pentachlorophenol
Concen: 100.651 ng
RT: 11.169 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:266 Resp: 42099

Ion	Ratio	Lower	Upper
266	100		
268	61.5	49.2	73.8
264	62.6	49.8	74.6





#71
Phenanthrene
Concen: 62.776 ng
RT: 11.380 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

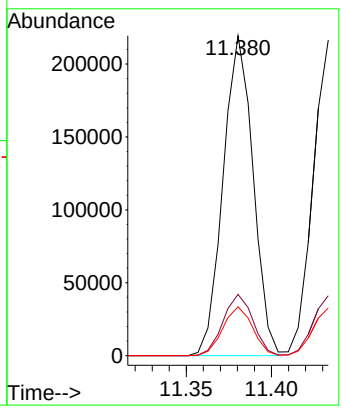
Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

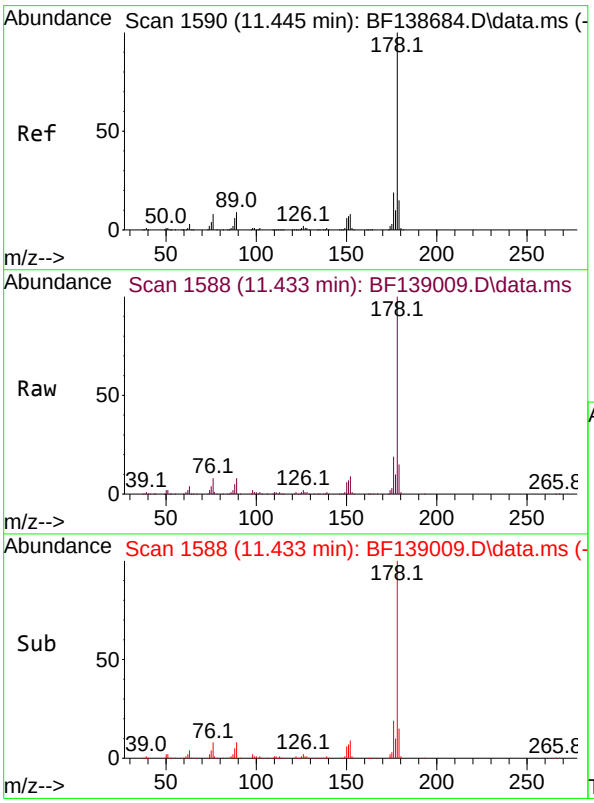
Tgt Ion:178 Resp: 26832

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.3	12.2	18.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

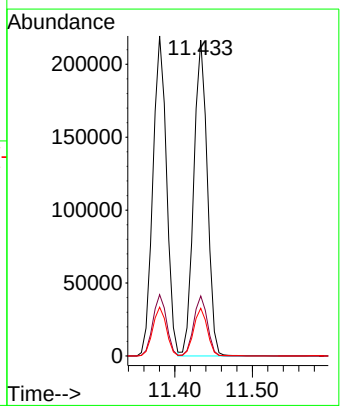


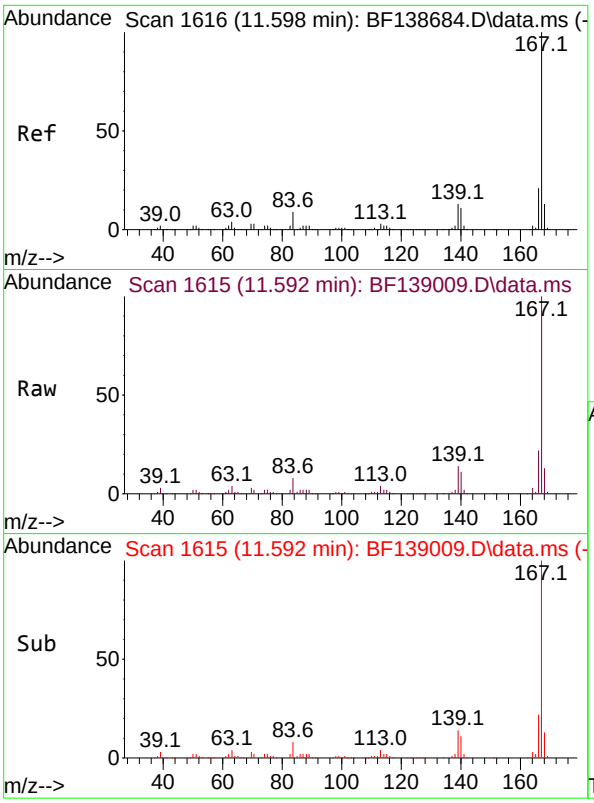


#72
Anthracene
Concen: 62.511 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:178 Resp: 263223

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.1	12.4	18.6

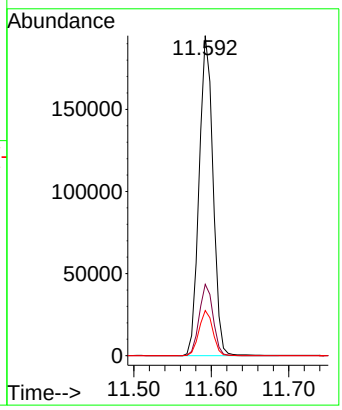




#73
Carbazole
Concen: 66.795 ng
RT: 11.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:167 Resp: 24265

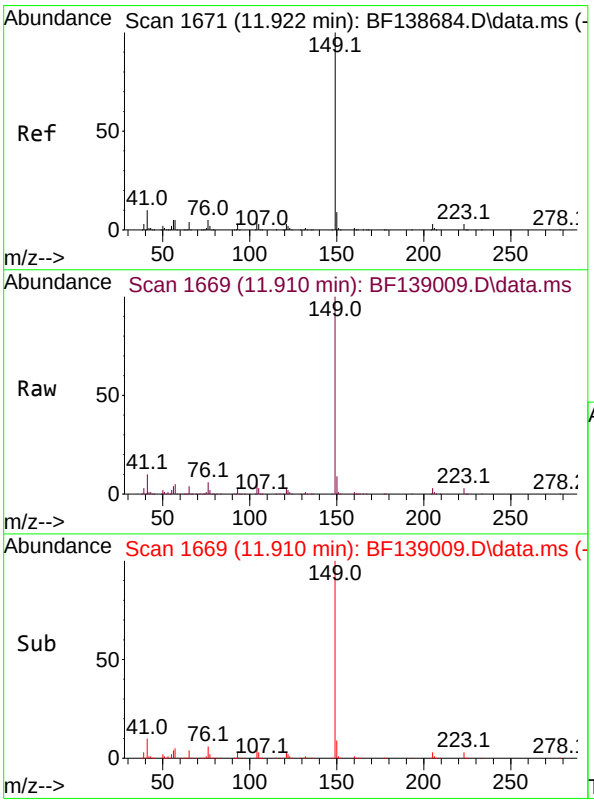
Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.2	25.8
139	14.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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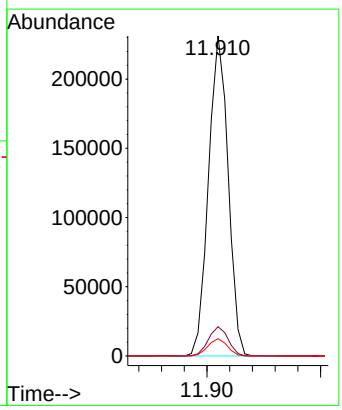
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

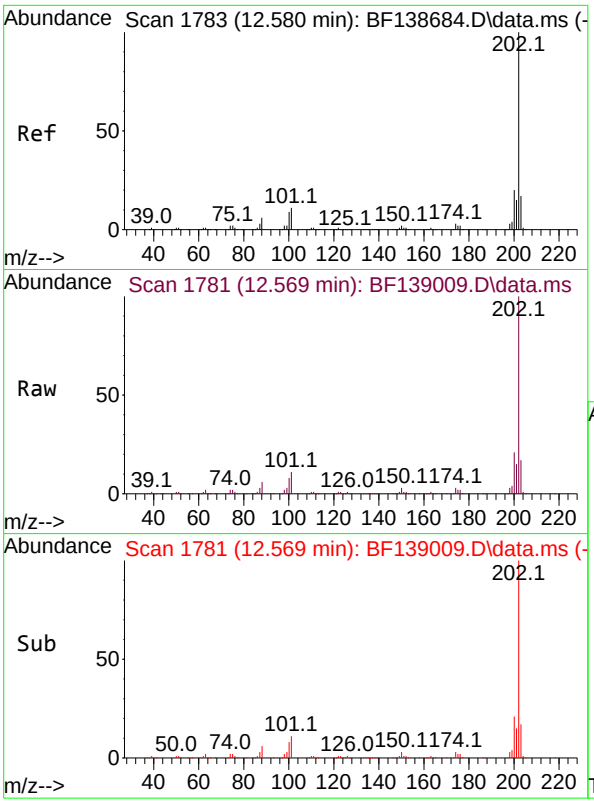


#74
Di-n-butylphthalate
Concen: 67.911 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:149 Resp: 277345

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	5.4	4.1	6.1

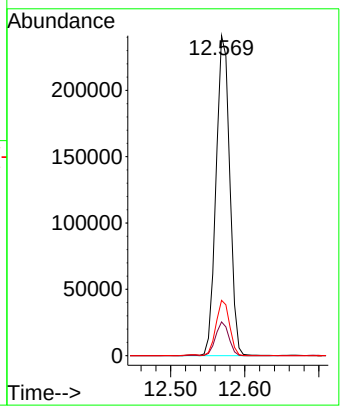




#75
Fluoranthene
Concen: 77.542 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:202 Resp: 30942

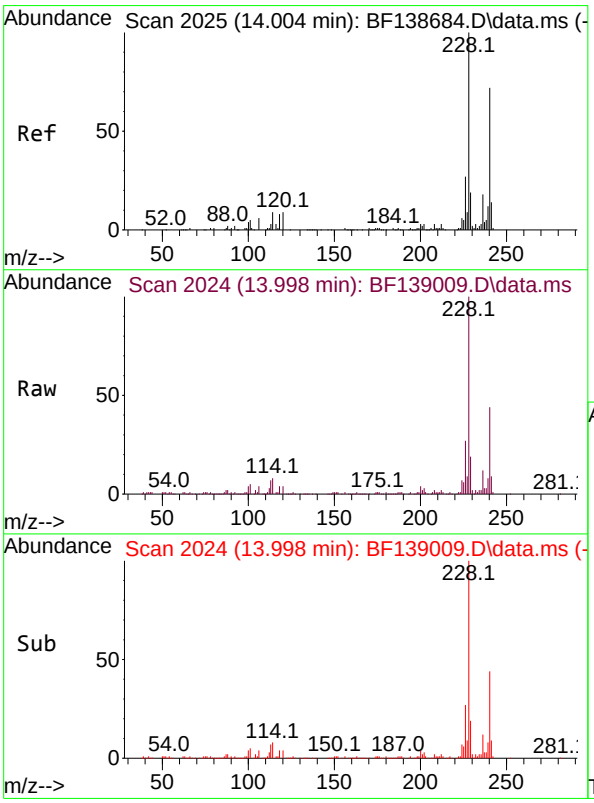
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.2
203	17.3	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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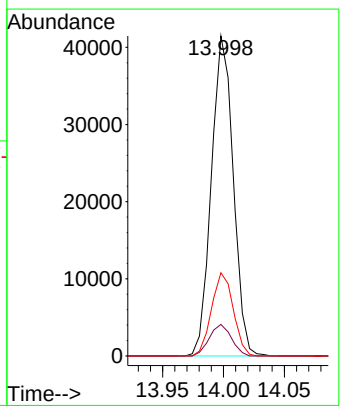
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

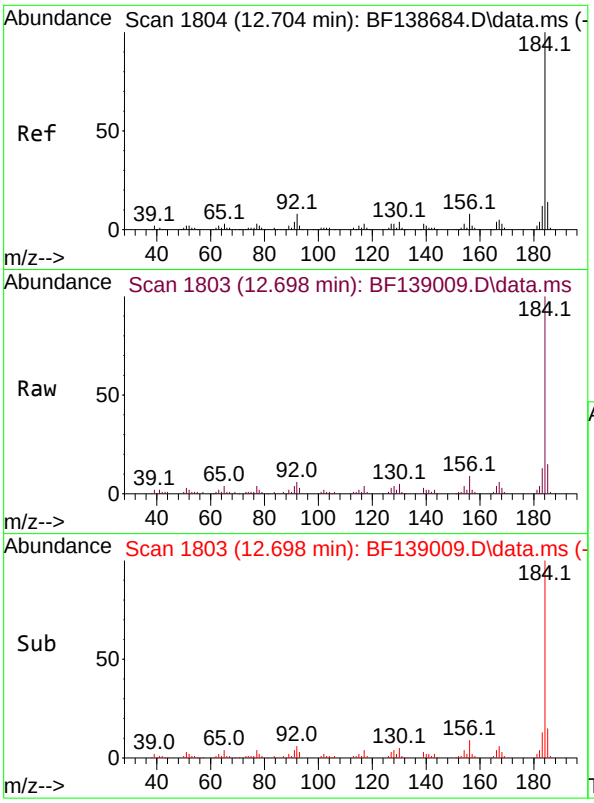


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:240 Resp: 51880

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.2	15.4#
236	26.0	19.8	29.8

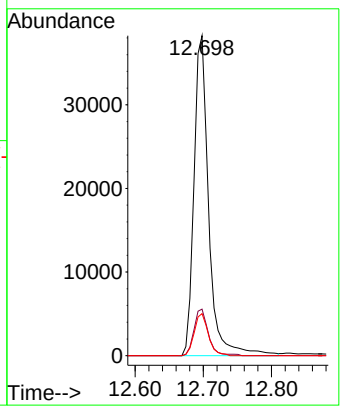




#77
Benzidine
Concen: 46.216 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:184 Resp: 5734

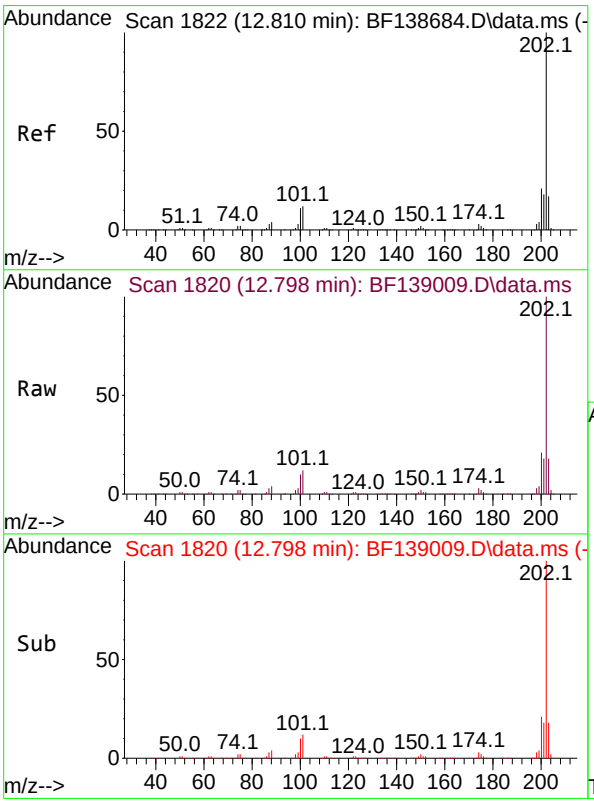
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.1	16.7
183	13.2	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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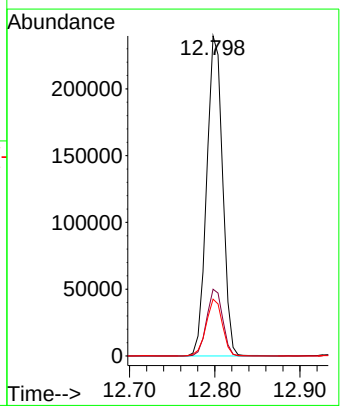
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

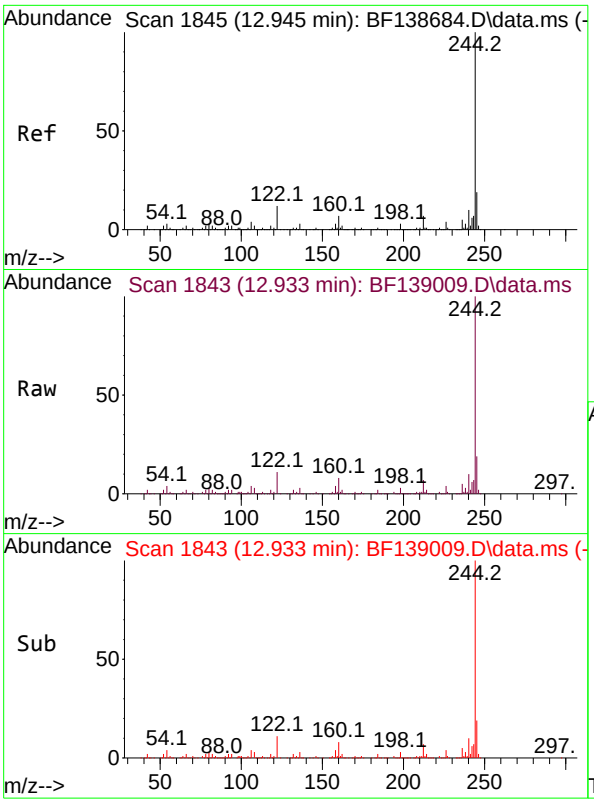


#78
Pyrene
Concen: 63.615 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:202 Resp: 310736

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	17.8	13.8	20.6

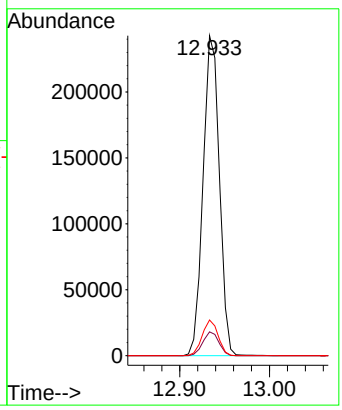




#79
Terphenyl-d14
Concen: 98.738 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:244 Resp: 30595

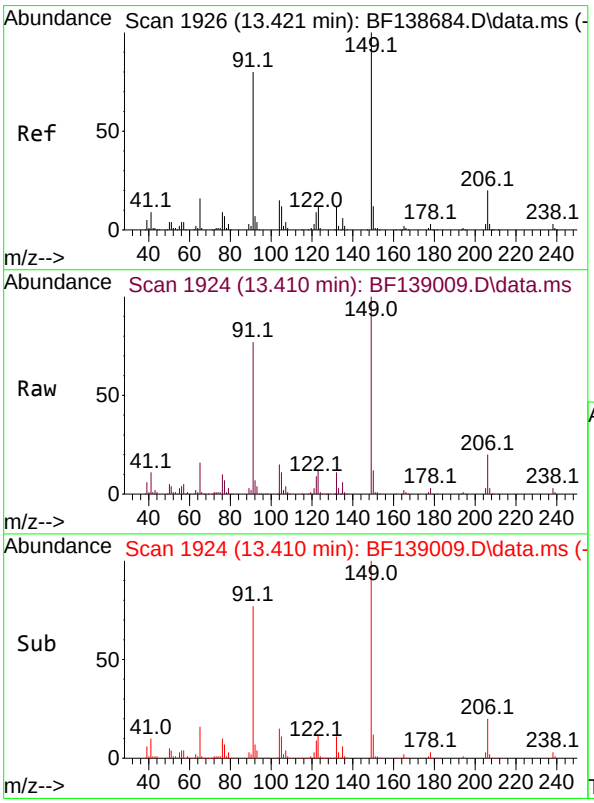
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	11.2	9.6	14.4



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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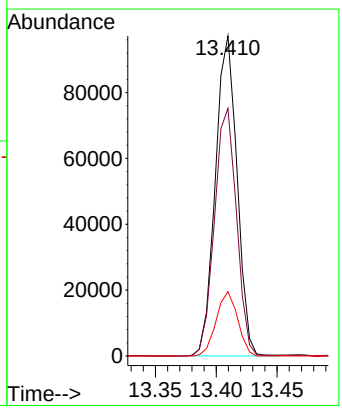
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

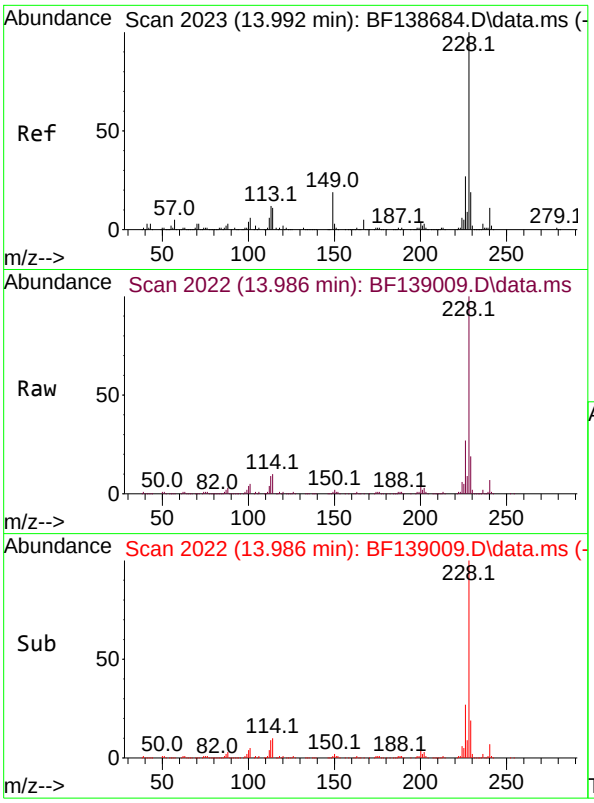


#80
Butylbenzylphthalate
Concen: 77.240 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:149 Resp: 120819

Ion	Ratio	Lower	Upper
149	100		
91	77.3	63.7	95.5
206	20.1	16.2	24.2





#81
Benzo(a)anthracene
Concen: 64.211 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

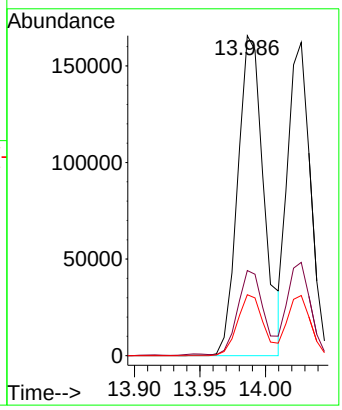
Tgt Ion:228 Resp: 22939

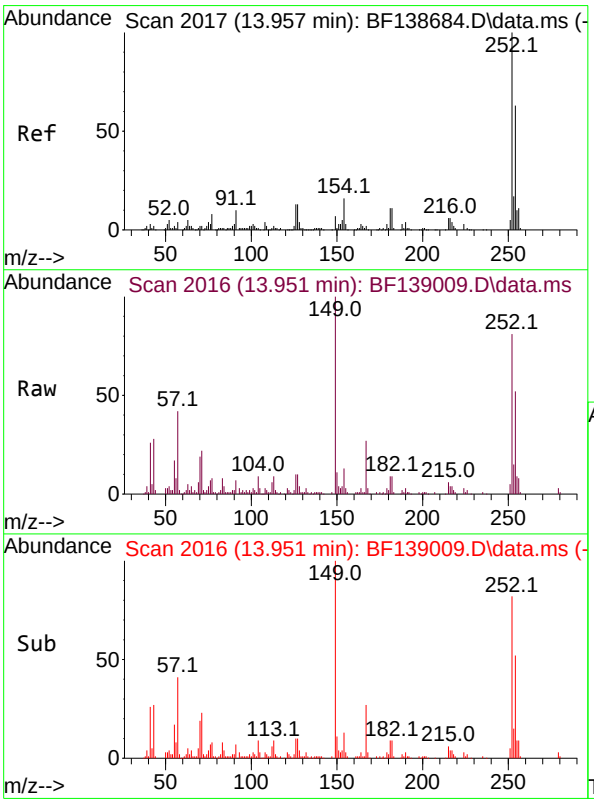
Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	19.1	15.4	23.0

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

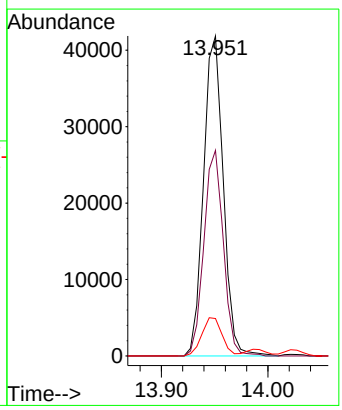


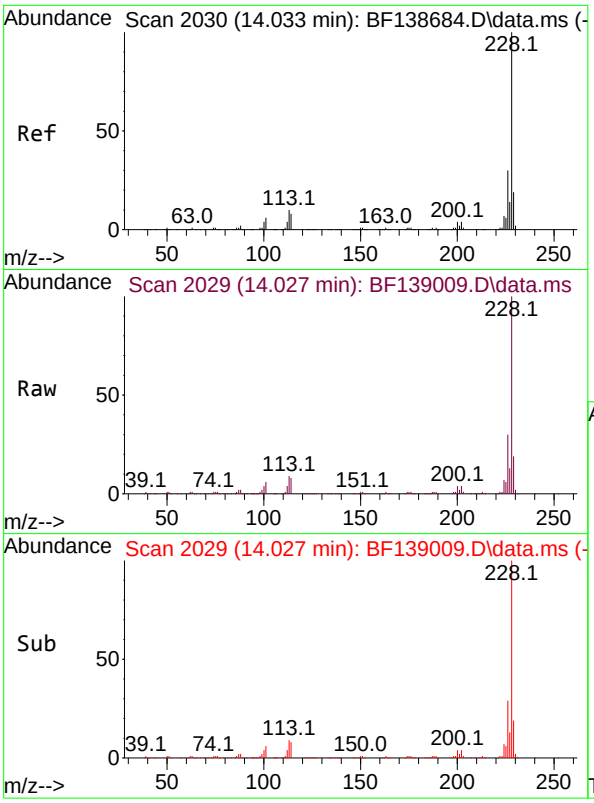


#82
3,3'-Dichlorobenzidine
Concen: 59.134 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:252 Resp: 54062

Ion	Ratio	Lower	Upper
252	100		
254	64.3	50.8	76.2
126	11.7	10.2	15.2

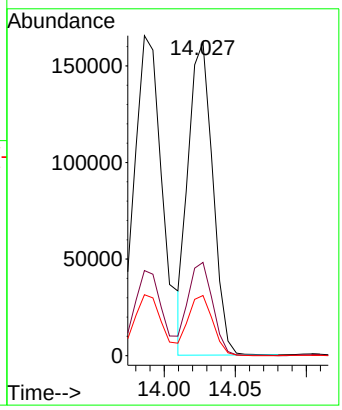




#83
Chrysene
Concen: 60.123 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:228 Resp: 19378

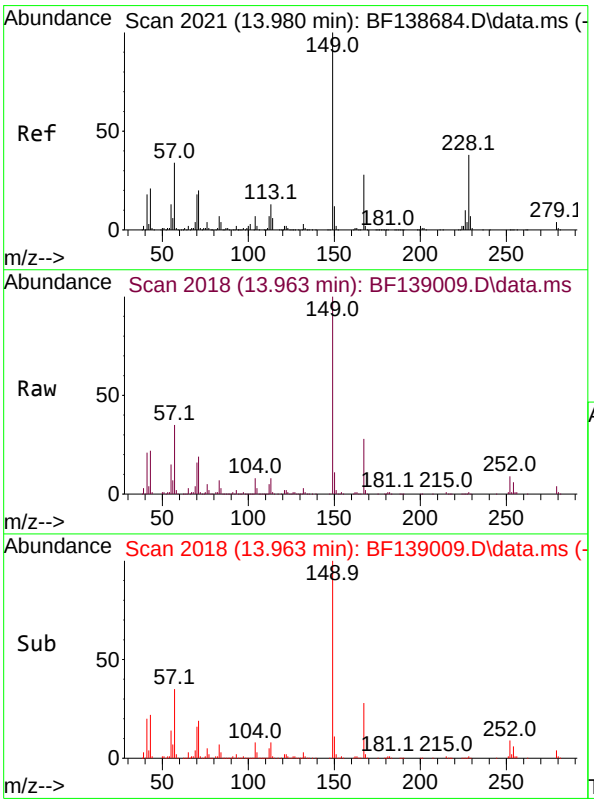
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.7	35.5
229	19.2	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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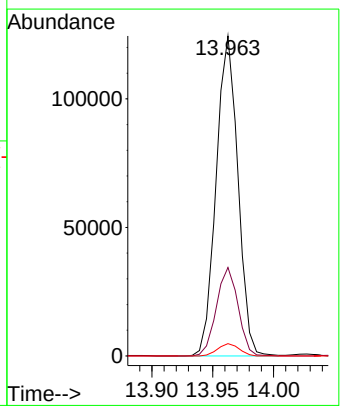
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

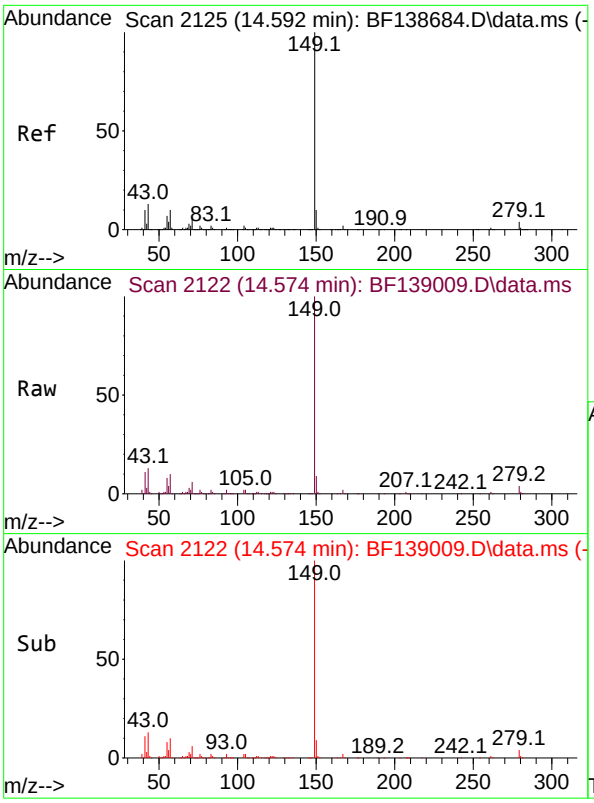


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.573 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:149 Resp: 154776

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	3.8	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 51.622 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

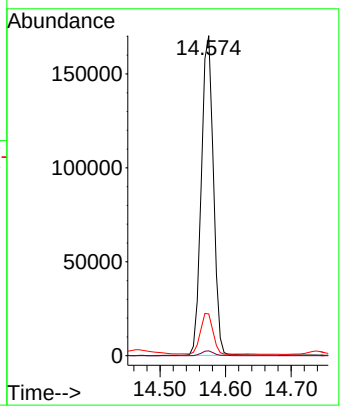
Tgt Ion:149 Resp: 21876

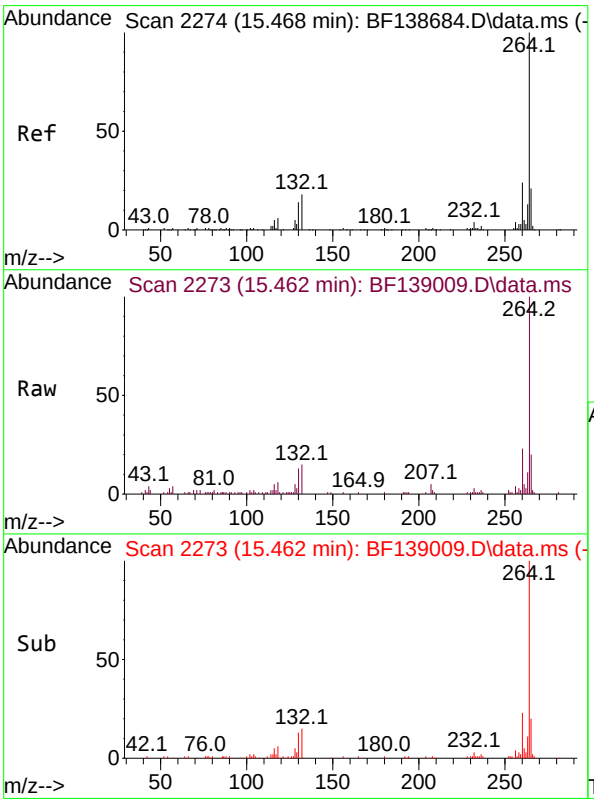
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	13.2	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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Supervised By :mohammad ahmed 08/16/2024

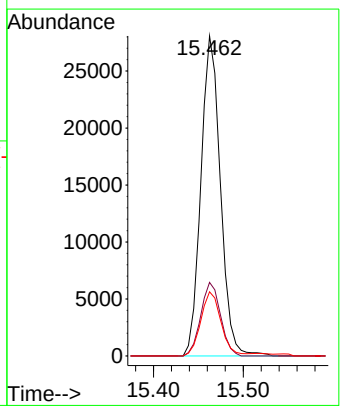


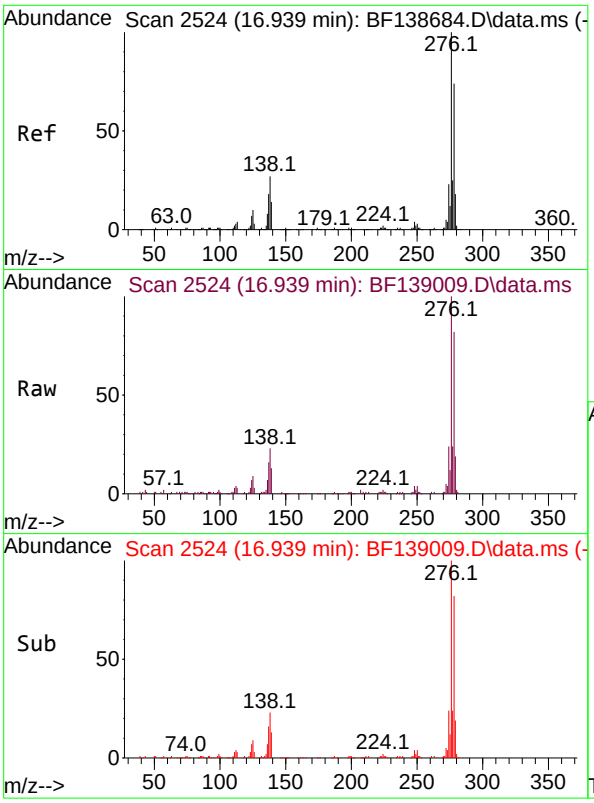


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:264 Resp: 42398

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	20.0	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 48.896 ng
RT: 16.939 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

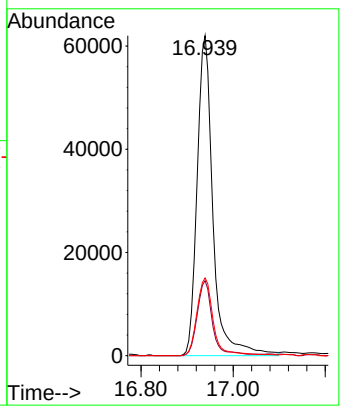
Tgt Ion:276 Resp: 14856

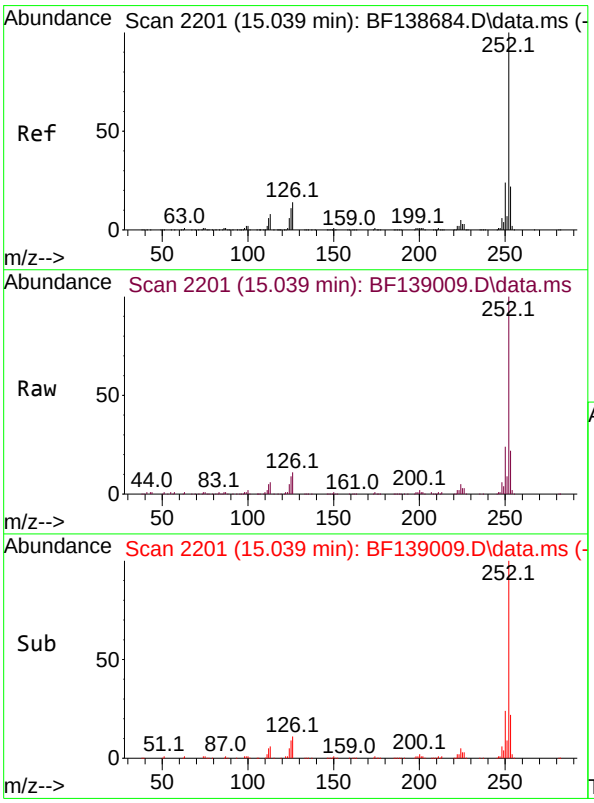
Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.8	32.8
277	25.1	20.6	30.8

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

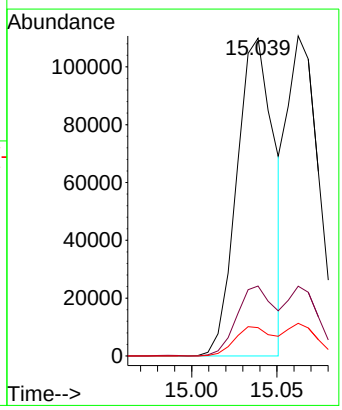


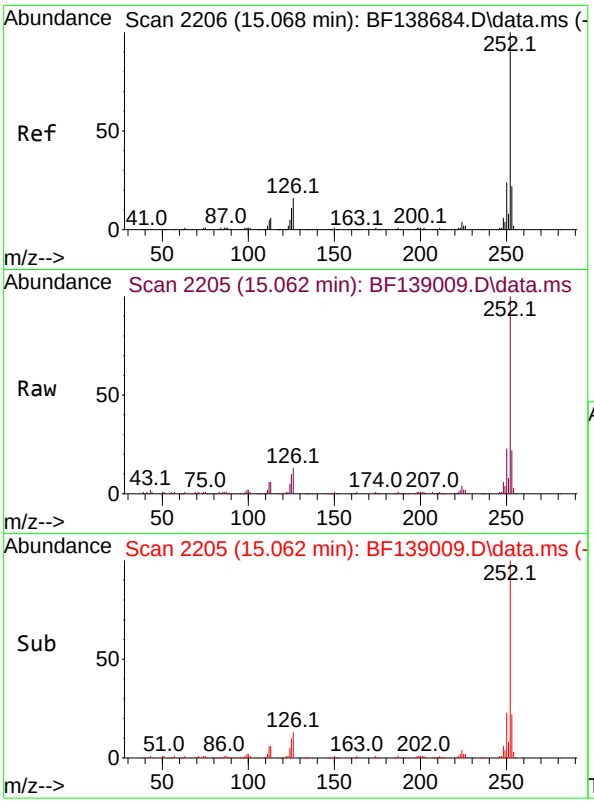


#88
Benzo(b)fluoranthene
Concen: 63.622 ng
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:252 Resp: 167215

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.9	8.9	13.3

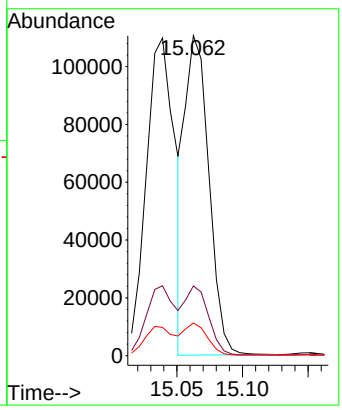




#89
Benzo(k)fluoranthene
Concen: 62.034 ng
RT: 15.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:252 Resp: 14116

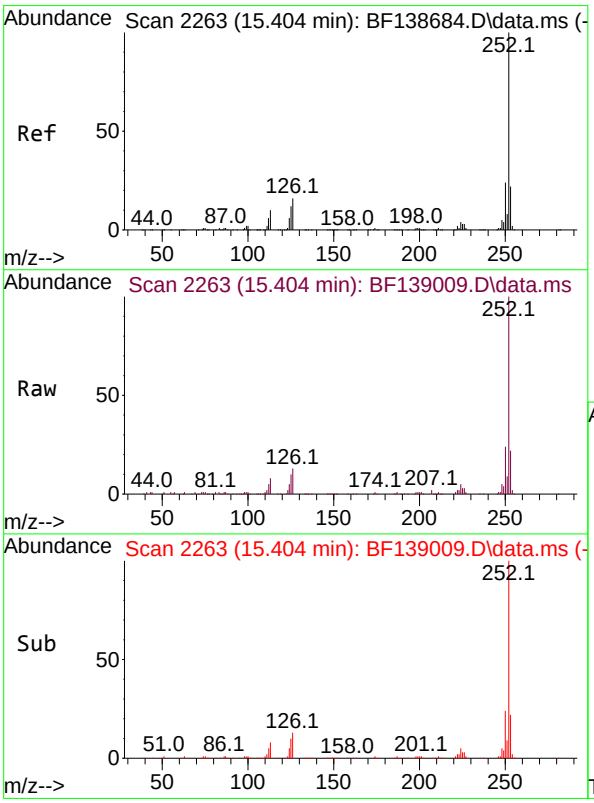
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.2	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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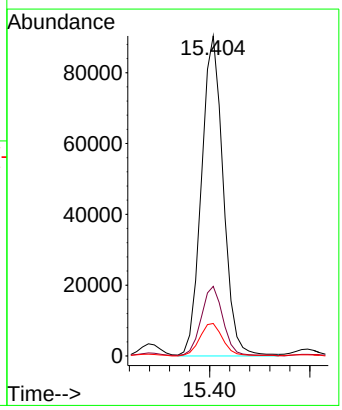
Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

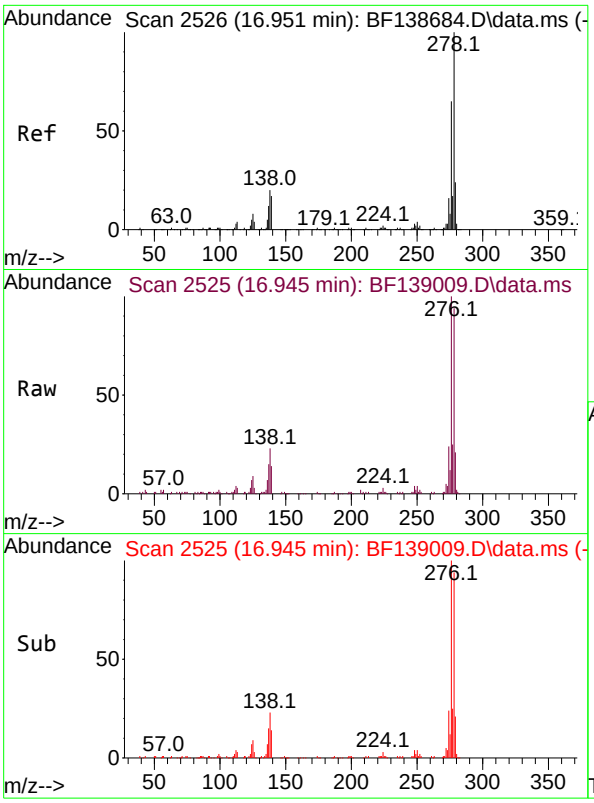


#90
Benzo(a)pyrene
Concen: 61.901 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:252 Resp: 136848

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: 46.696 ng
RT: 16.945 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

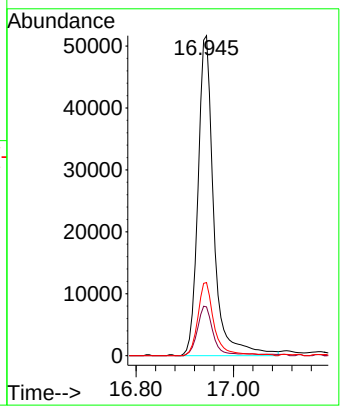
Tgt Ion:278 Resp: 11646

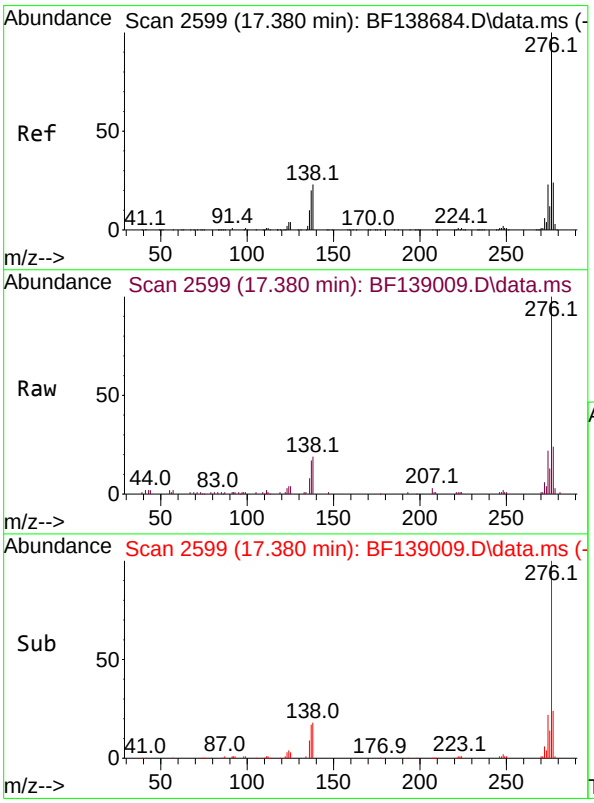
Ion	Ratio	Lower	Upper
278	100		
139	15.2	14.0	21.0
279	22.9	19.0	28.4

Instrument :
BNA_F
ClientSampleId :
S-866-N-S0-1.0-1.5-080524MSD

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

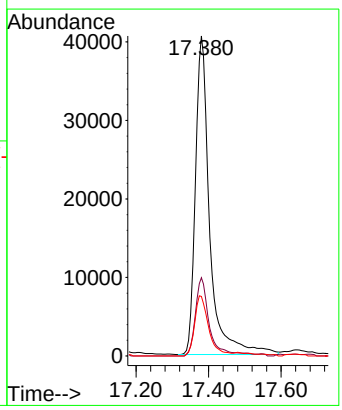




#92
Benzo(g,h,i)perylene
Concen: 42.781 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF139009.D
Acq: 14 Aug 2024 22:47

Tgt Ion:276 Resp: 110725

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	18.6	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:	Bf081324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB162520BS	BF138967.D	4-Nitroaniline	yogesh	8/14/2024 5:47:05 AM	mohammad	8/14/2024 6:22:42 AM	Peak Integrated by Software
PB162520BS	BF138967.D	Caprolactam	yogesh	8/14/2024 5:47:05 AM	mohammad	8/14/2024 6:22:42 AM	Peak Integrated by Software
SSTDCCC040	BF138978.D	2,3,4,6-Tetrachlorophenol	yogesh	8/14/2024 5:47:12 AM	mohammad	8/14/2024 6:22:42 AM	Peak Integrated by Software
SSTDCCC040	BF138978.D	4-Nitroaniline	yogesh	8/14/2024 5:47:12 AM	mohammad	8/14/2024 6:22:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF081424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF138988.D	Benzoic acid	yogesh	8/15/2024 12:55:27 AM	mohammad	8/16/2024 3:02:17 AM	Peak Integrated by Software
SSTDCCC040	BF138988.D	Caprolactam	yogesh	8/15/2024 12:55:27 AM	mohammad	8/16/2024 3:02:17 AM	Peak Integrated by Software
P3475-02	BF139007.D	Benzo(b)fluoranthene	Jagrut	8/15/2024 10:25:34 AM	mohammad	8/16/2024 3:02:17 AM	Peak Integrated by Software
P3475-03MS	BF139008.D	Caprolactam	Jagrut	8/15/2024 10:25:36 AM	mohammad	8/16/2024 3:02:17 AM	Peak Integrated by Software
P3475-04MSD	BF139009.D	Caprolactam	Jagrut	8/15/2024 10:25:39 AM	mohammad	8/16/2024 3:02:17 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

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Manual Integration Report

Sequence:	BF081624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139049.D	4-Nitroaniline	yogesh	8/17/2024 5:01:46 AM	mohammad	8/17/2024 6:45:28 AM	Peak Integrated by Software
SSTDCCC040	BF139049.D	Benzoic acid	yogesh	8/17/2024 5:01:46 AM	mohammad	8/17/2024 6:45:28 AM	Peak Integrated by Software
SSTDCCC040	BF139049.D	Caprolactam	yogesh	8/17/2024 5:01:46 AM	mohammad	8/17/2024 6:45:28 AM	Peak Integrated by Software
SSTDCCC040	BF139063.D	4-Nitroaniline	yogesh	8/17/2024 5:01:54 AM	mohammad	8/17/2024 6:45:28 AM	Peak Integrated by Software
SSTDCCC040	BF139063.D	Benzoic acid	yogesh	8/17/2024 5:01:54 AM	mohammad	8/17/2024 6:45:28 AM	Peak Integrated by Software
SSTDCCC040	BF139063.D	Caprolactam	yogesh	8/17/2024 5:01:54 AM	mohammad	8/17/2024 6:45:28 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 # BF081324

Review By	yogesh	Review On	8/14/2024 5:47:24 AM				
Supervise By	mohammad	Supervise On	8/14/2024 6:22:42 AM				
SubDirectory	BF081324	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	BF138964.D	13 Aug 2024 09:38	RC/JU	Ok
2	SSTDCCC040	BF138965.D	13 Aug 2024 10:08	RC/JU	Ok
3	PB162612TB	BF138966.D	13 Aug 2024 10:38	RC/JU	Ok
4	PB162520BS	BF138967.D	13 Aug 2024 11:08	RC/JU	Ok,M
5	PB162455TB	BF138968.D	13 Aug 2024 11:38	RC/JU	Ok
6	P3512-04	BF138969.D	13 Aug 2024 12:16	RC/JU	Ok
7	P3512-04MS	BF138970.D	13 Aug 2024 12:47	RC/JU	Ok,M
8	P3512-04MSD	BF138971.D	13 Aug 2024 13:17	RC/JU	Ok,M
9	P3520-09	BF138972.D	13 Aug 2024 13:47	RC/JU	ReRun
10	P3520-15	BF138973.D	13 Aug 2024 14:18	RC/JU	Ok
11	P3520-17	BF138974.D	13 Aug 2024 14:48	RC/JU	Ok
12	P3519-17	BF138975.D	13 Aug 2024 15:19	RC/JU	Ok
13	P3519-17MS	BF138976.D	13 Aug 2024 15:49	RC/JU	Ok,M
14	P3519-17MSD	BF138977.D	13 Aug 2024 16:20	RC/JU	Ok,M
15	SSTDCCC040	BF138978.D	13 Aug 2024 16:58	RC/JU	Ok,M
16	DFTPP	BF138979.D	13 Aug 2024 17:59	RC/JU	Ok
17	SSTDCCC040	BF138980.D	13 Aug 2024 18:33	RC/JU	Ok
18	PB162660BL	BF138981.D	13 Aug 2024 19:03	RC/JU	Ok
19	PB162660BS	BF138982.D	13 Aug 2024 19:33	RC/JU	Ok,M
20	PB162621TB	BF138983.D	13 Aug 2024 20:03	RC/JU	Not Ok
21	PB162639BS	BF138984.D	13 Aug 2024 20:33	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081324

Review By	yogesh	Review On	8/14/2024 5:47:24 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:22:42 AM		
SubDirectory	BF081324	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	PB162562TB	BF138985.D	13 Aug 2024 21:04	RC/JU	Ok
23	P3536-01	BF138986.D	13 Aug 2024 21:34	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081424

Review By	Jagrut	Review On	8/15/2024 10:26:10 AM				
Supervise By	mohammad	Supervise On	8/16/2024 3:02:17 AM				
SubDirectory	BF081424	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	BF138987.D	14 Aug 2024 11:33	RC/JU	Ok
2	SSTDCCC040	BF138988.D	14 Aug 2024 12:03	RC/JU	Ok,M
3	PB162577BL	BF138989.D	14 Aug 2024 12:32	RC/JU	Ok
4	PB162577BS	BF138990.D	14 Aug 2024 13:02	RC/JU	Ok,M
5	P3474-01	BF138991.D	14 Aug 2024 13:37	RC/JU	Ok
6	P3474-10	BF138992.D	14 Aug 2024 14:08	RC/JU	Ok
7	P3512-05	BF138993.D	14 Aug 2024 14:38	RC/JU	Ok
8	P3512-06	BF138994.D	14 Aug 2024 15:09	RC/JU	Ok
9	P3543-01	BF138995.D	14 Aug 2024 15:40	RC/JU	Ok
10	P3548-01	BF138996.D	14 Aug 2024 16:10	RC/JU	Ok
11	P3548-03	BF138997.D	14 Aug 2024 16:42	RC/JU	Ok,M
12	P3548-06	BF138998.D	14 Aug 2024 17:12	RC/JU	ReRun
13	P3548-12	BF138999.D	14 Aug 2024 17:43	RC/JU	ReRun
14	P3548-09	BF139000.D	14 Aug 2024 18:14	RC/JU	Ok
15	P3549-01	BF139001.D	14 Aug 2024 18:46	RC/JU	Ok,M
16	P3476-07RE	BF139002.D	14 Aug 2024 19:16	RC/JU	Confirms
17	P3476-05RE	BF139003.D	14 Aug 2024 19:46	RC/JU	Confirms
18	P3466-02MS	BF139004.D	14 Aug 2024 20:16	RC/JU	Ok,M
19	P3466-03MSD	BF139005.D	14 Aug 2024 20:47	RC/JU	Ok
20	P3475-01	BF139006.D	14 Aug 2024 21:17	RC/JU	ReRun
21	P3475-02	BF139007.D	14 Aug 2024 21:47	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081424

Review By	Jagrut	Review On	8/15/2024 10:26:10 AM				
Supervise By	mohammad	Supervise On	8/16/2024 3:02:17 AM				
SubDirectory	BF081424	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	P3475-03MS	BF139008.D	14 Aug 2024 22:17	RC/JU	Ok,M
23	P3475-04MSD	BF139009.D	14 Aug 2024 22:47	RC/JU	Ok,M
24	P3526-01	BF139010.D	14 Aug 2024 23:18	RC/JU	ReRun

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 # BF081624

Review By	Jagrut	Review On	8/16/2024 6:12:05 PM				
Supervise By	mohammad	Supervise On	8/17/2024 6:45:28 AM				
SubDirectory	BF081624	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	BF139048.D	16 Aug 2024 09:44	RC/JU	Ok
2	SSTDCCC040	BF139049.D	16 Aug 2024 10:14	RC/JU	Ok,M
3	PB162520BL	BF139050.D	16 Aug 2024 10:43	RC/JU	Ok
4	P3390-08	BF139051.D	16 Aug 2024 11:13	RC/JU	Ok,M
5	P3390-02	BF139052.D	16 Aug 2024 11:43	RC/JU	Ok,M
6	P3390-02	BF139053.D	16 Aug 2024 12:14	RC/JU	Ok,M
7	P3390-01	BF139054.D	16 Aug 2024 13:24	RC/JU	Ok,M
8	P3390-01	BF139055.D	16 Aug 2024 13:54	RC/JU	Ok,M
9	P3390-02	BF139056.D	16 Aug 2024 14:24	RC/JU	Ok,M
10	P3390-07	BF139057.D	16 Aug 2024 14:58	RC/JU	Ok,M
11	P3390-07	BF139058.D	16 Aug 2024 15:28	RC/JU	Ok,M
12	P3390-08	BF139059.D	16 Aug 2024 15:59	RC/JU	Ok,M
13	P3390-08	BF139060.D	16 Aug 2024 16:30	RC/JU	Ok,M
14	P3390-08	BF139061.D	16 Aug 2024 17:04	RC/JU	Ok,M
15	PB162517BL	BF139062.D	16 Aug 2024 17:35	RC/JU	Ok
16	SSTDCCC040	BF139063.D	16 Aug 2024 18:07	RC/JU	Ok,M

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 # BF081324

Review By	yogesh	Review On	8/14/2024 5:47:24 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:22:42 AM		
SubDirectory	BF081324	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	BF138964.D	13 Aug 2024 09:38		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138965.D	13 Aug 2024 10:08		RC/JU	Ok
3	PB162612TB	PB162612TB	BF138966.D	13 Aug 2024 10:38		RC/JU	Ok
4	PB162520BS	PB162520BS	BF138967.D	13 Aug 2024 11:08		RC/JU	Ok,M
5	PB162455TB	PB162455TB	BF138968.D	13 Aug 2024 11:38		RC/JU	Ok
6	P3512-04	927-K1-SD-0.5-1.0-080	BF138969.D	13 Aug 2024 12:16		RC/JU	Ok
7	P3512-04MS	927-K1-SD-0.5-1.0-080	BF138970.D	13 Aug 2024 12:47		RC/JU	Ok,M
8	P3512-04MSD	927-K1-SD-0.5-1.0-080	BF138971.D	13 Aug 2024 13:17		RC/JU	Ok,M
9	P3520-09	OU4-CF-12-080624	BF138972.D	13 Aug 2024 13:47	Surrogate Fail	RC/JU	ReRun
10	P3520-15	OU4-VSL-01-080624	BF138973.D	13 Aug 2024 14:18		RC/JU	Ok
11	P3520-17	OU4-57S-01-080624	BF138974.D	13 Aug 2024 14:48		RC/JU	Ok
12	P3519-17	OU4-CF-01-080624	BF138975.D	13 Aug 2024 15:19		RC/JU	Ok
13	P3519-17MS	OU4-CF-01-080624MS	BF138976.D	13 Aug 2024 15:49		RC/JU	Ok,M
14	P3519-17MSD	OU4-CF-01-080624MS	BF138977.D	13 Aug 2024 16:20		RC/JU	Ok,M
15	SSTDCCC040	SSTDCCC040EC	BF138978.D	13 Aug 2024 16:58		RC/JU	Ok,M
16	DFTPP	DFTPP	BF138979.D	13 Aug 2024 17:59		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040	BF138980.D	13 Aug 2024 18:33		RC/JU	Ok
18	PB162660BL	PB162660BL	BF138981.D	13 Aug 2024 19:03		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081324

Review By	yogesh	Review On	8/14/2024 5:47:24 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:22:42 AM		
SubDirectory	BF081324	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	PB162660BS	PB162660BS	BF138982.D	13 Aug 2024 19:33		RC/JU	Ok,M
20	PB162621TB	PB162621TB	BF138983.D	13 Aug 2024 20:03	Surrogate Fail	RC/JU	Not Ok
21	PB162639BS	PB162639BS	BF138984.D	13 Aug 2024 20:33		RC/JU	Ok,M
22	PB162562TB	PB162562TB	BF138985.D	13 Aug 2024 21:04		RC/JU	Ok
23	P3536-01	MANHOLE	BF138986.D	13 Aug 2024 21:34		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081424

Review By	Jagrut	Review On	8/15/2024 10:26:10 AM		
Supervise By	mohammad	Supervise On	8/16/2024 3:02:17 AM		
SubDirectory	BF081424	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	BF138987.D	14 Aug 2024 11:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF138988.D	14 Aug 2024 12:03		RC/JU	Ok,M
3	PB162577BL	PB162577BL	BF138989.D	14 Aug 2024 12:32		RC/JU	Ok
4	PB162577BS	PB162577BS	BF138990.D	14 Aug 2024 13:02		RC/JU	Ok,M
5	P3474-01	WC-A1-COMP	BF138991.D	14 Aug 2024 13:37		RC/JU	Ok
6	P3474-10	WC-B2-COMP	BF138992.D	14 Aug 2024 14:08		RC/JU	Ok
7	P3512-05	931-K1-SD-0.5-1.0-080	BF138993.D	14 Aug 2024 14:38		RC/JU	Ok
8	P3512-06	931-K1-SD-0.5-1.0-080	BF138994.D	14 Aug 2024 15:09		RC/JU	Ok
9	P3543-01	ARS20-0019	BF138995.D	14 Aug 2024 15:40	Surrogate Fail	RC/JU	Ok
10	P3548-01	72-12017-72-11934	BF138996.D	14 Aug 2024 16:10		RC/JU	Ok
11	P3548-03	RBR200036	BF138997.D	14 Aug 2024 16:42		RC/JU	Ok,M
12	P3548-06	343	BF138998.D	14 Aug 2024 17:12	Internal standard fail	RC/JU	ReRun
13	P3548-12	IN-SITU-SOIL	BF138999.D	14 Aug 2024 17:43	Internal standard fail	RC/JU	ReRun
14	P3548-09	289	BF139000.D	14 Aug 2024 18:14		RC/JU	Ok
15	P3549-01	SU-04-080924	BF139001.D	14 Aug 2024 18:46	Internal standard fail	RC/JU	Ok,M
16	P3476-07RE	MUL07RE	BF139002.D	14 Aug 2024 19:16	Internal Standard Fail	RC/JU	Confirms
17	P3476-05RE	MUL06RE	BF139003.D	14 Aug 2024 19:46	Fax is already given	RC/JU	Confirms
18	P3466-02MS	924-K1-WP0-0.25-0802	BF139004.D	14 Aug 2024 20:16		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 # BF081424

Review By	Jagrut	Review On	8/15/2024 10:26:10 AM		
Supervise By	mohammad	Supervise On	8/16/2024 3:02:17 AM		
SubDirectory	BF081424	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	P3466-03MSD	924-K1-WP0-0.25-0802	BF139005.D	14 Aug 2024 20:47		RC/JU	Ok
20	P3475-01	S-866-N-SO-0-0.5-0805	BF139006.D	14 Aug 2024 21:17	Internal Standard Fail	RC/JU	ReRun
21	P3475-02	S-866-N-SO-1.0-1.5-08	BF139007.D	14 Aug 2024 21:47	Internal Standard Fail	RC/JU	Ok,M
22	P3475-03MS	S-866-N-S0-1.0-1.5-080	BF139008.D	14 Aug 2024 22:17	Internal Standard Fail,	RC/JU	Ok,M
23	P3475-04MSD	S-866-N-S0-1.0-1.5-080	BF139009.D	14 Aug 2024 22:47	Internal Standard Fail,	RC/JU	Ok,M
24	P3526-01	SP-1-COMP	BF139010.D	14 Aug 2024 23:18	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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 # 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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081624

Review By	Jagrut	Review On	8/16/2024 6:12:05 PM		
Supervise By	mohammad	Supervise On	8/17/2024 6:45:28 AM		
SubDirectory	BF081624	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	BF139048.D	16 Aug 2024 09:44	Tailing is 2.06 for pentachlorophenol	RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139049.D	16 Aug 2024 10:14		RC/JU	Ok,M
3	PB162520BL	PB162520BL	BF139050.D	16 Aug 2024 10:43		RC/JU	Ok
4	P3390-08	LOQ-WATER-02-QT3-2	BF139051.D	16 Aug 2024 11:13	LOQ-WATER-5 PPM (Use for only Compound#69)	RC/JU	Ok,M
5	P3390-02	LOQ-SOIL-02-QT3-202	BF139052.D	16 Aug 2024 11:43	LOQ-SOIL-10 PPM (Not used for Compound#32,54,56,70,85)	RC/JU	Ok,M
6	P3390-02	LOQ-SOIL-02-QT3-202	BF139053.D	16 Aug 2024 12:14	LOQ-SOIL-5 PPM	RC/JU	Ok,M
7	P3390-01	LOD-MDL-SOIL-01-QT	BF139054.D	16 Aug 2024 13:24	LOD-MDL-SOIL- 4 ppm	RC/JU	Ok,M
8	P3390-01	LOD-MDL-SOIL-01-QT	BF139055.D	16 Aug 2024 13:54	LOD-MDL-SOIL- 8 ppm	RC/JU	Ok,M
9	P3390-02	LOQ-SOIL-02-QT3-202	BF139056.D	16 Aug 2024 14:24	LOQ-SOIL-10 PPM (Use for Compound#32,54,56,70,85)	RC/JU	Ok,M
10	P3390-07	LOD-MDL-WATER-01-(	BF139057.D	16 Aug 2024 14:58	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
11	P3390-07	LOD-MDL-WATER-01-(	BF139058.D	16 Aug 2024 15:28	LOD-MDL-WATER- 8 ppm	RC/JU	Ok,M
12	P3390-08	LOQ-WATER-02-QT3-2	BF139059.D	16 Aug 2024 15:59	LOQ-WATER-10 PPM (Used for Only com#82)	RC/JU	Ok,M
13	P3390-08	LOQ-WATER-02-QT3-2	BF139060.D	16 Aug 2024 16:30	LOQ-Water-10 ppm((Used for All compounds except Compound#82)	RC/JU	Ok,M
14	P3390-08	LOQ-WATER-02-QT3-2	BF139061.D	16 Aug 2024 17:04	LOQ-WATER-5 PPM (Used for All compounds except Compound#69)	RC/JU	Ok,M
15	PB162517BL	PB162517BL	BF139062.D	16 Aug 2024 17:35		RC/JU	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081624

Review By	Jagrut	Review On	8/16/2024 6:12:05 PM		
Supervise By	mohammad	Supervise On	8/17/2024 6:45:28 AM		
SubDirectory	BF081624	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	

16	SSTDCCC040	SSTDCCC040EC	BF139063.D	16 Aug 2024 18:07		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 08/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131878

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
P3474-01	WC-A1-COMP	1	1.18	8.64	9.82	8.8	88.2	
P3474-03	WC-A1-GRAB	2	1.15	8.38	9.53	8.78	91.1	
P3474-04	WC-B1-COMP	3	1.16	8.59	9.75	8.56	86.1	
P3474-06	WC-B1-GRAB	4	1.18	8.43	9.61	8.18	83.0	
P3474-07	WC-A2-COMP	5	1.19	8.65	9.84	8.25	81.6	
P3474-09	WC-A2-GRAB	6	1.16	8.69	9.85	8.12	80.1	
P3474-10	WC-B2-COMP	7	1.16	8.67	9.83	8.25	81.8	
P3474-12	WC-B2-GRAB	8	1.16	8.69	9.85	8.09	79.7	
P3475-01	S-866-N-SO-0-0.5-080524	9	1.14	8.83	9.97	8.49	83.2	
P3475-02	S-866-N-SO-1.0-1.5-080524	10	1.15	8.66	9.81	8.57	85.7	
P3475-03	P3475-02MS	11	1.15	8.66	9.81	8.57	85.7	
P3475-04	P3475-02MSD	12	1.15	8.66	9.81	8.57	85.7	
P3475-05	S-858-N-SO-1.0-1.5-080524	13	1.12	8.74	9.86	7.56	73.7	sludge sample
P3475-06	P3475-05MS	14	1.12	8.74	9.86	7.56	73.7	sludge sample
P3475-07	P3475-05MSD	15	1.12	8.74	9.86	7.56	73.7	sludge sample
P3476-02	MUL04	16	1.15	8.50	9.65	5.16	47.2	
P3476-04	MUL05	17	1.16	8.81	9.97	4.97	43.2	
P3476-06	MUL06	18	1.15	8.75	9.9	4.98	43.8	
P3476-08	MUL07	19	1.14	8.60	9.74	5.07	45.7	
P3478-04	TS04	20	1.18	8.57	9.75	8.17	81.6	
P3478-06	TS05	21	1.16	8.61	9.77	8.59	86.3	
P3478-08	TS06	22	1.15	8.83	9.98	8.45	82.7	
P3478-10	TS07	23	1.14	8.83	9.97	8.52	83.6	
P3479-02	TS08	24	1.14	8.42	9.56	7.99	81.4	
P3479-04	TS09	25	1.14	8.71	9.85	7.98	78.5	
P3479-06	TS10	26	1.14	8.58	9.72	8.15	81.7	
P3479-08	TS11	27	1.15	8.49	9.64	8.79	90.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 08/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131878

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
P3483-01	A	28	1.12	8.46	9.58	9.11	94.4	
P3484-01	B	29	1.18	8.72	9.9	9.22	92.2	
P3485-01	C	30	1.11	8.88	9.99	8.64	84.8	
P3487-01	0726-A	31	1.00	1.00	2.00	2.00	100.0	oil sample
P3487-02	0726-B	32	1.00	1.00	2.00	2.00	100.0	oil sample
P3487-03	0726-C	33	1.00	1.00	2.00	2.00	100.0	oil sample
P3487-05	0723-B	34	1.00	1.00	2.00	2.00	100.0	oil sample
P3488-01	HD-01-080624	35	1.14	8.58	9.72	8.88	90.2	
P3488-02	HD-01-080624-E2	36	1.15	8.80	9.95	8.96	88.8	
P3488-03	HD-02-080624	37	1.14	8.40	9.54	8.76	90.7	
P3488-04	HD-02-080624-E2	38	1.15	8.81	9.96	9.34	93.0	
P3489-01	WASTE	39	1.15	8.62	9.77	5.9	55.1	
P3489-02	VOC	40	1.19	8.52	9.71	5.72	53.2	
P3489-03	1	41	1.16	8.81	9.97	6.32	58.6	
P3489-04	2	42	1.16	8.81	9.97	5.57	50.1	
P3489-05	3	43	1.15	8.38	9.53	5.38	50.5	
P3489-06	4	44	1.19	8.42	9.61	6.12	58.6	
P3489-07	5	45	1.15	8.80	9.95	6.02	55.3	
P3491-01	72-11936	46	1.18	8.54	9.72	9.47	97.1	
P3491-02	SOM-24-00087	47	1.00	1.00	2.00	2.00	100.0	debris
P3491-03	COMP-1	48	1.00	1.00	2.00	2.00	100.0	debris
P3491-04	COMP-2	49	1.00	1.00	2.00	2.00	100.0	debris
P3491-05	SOM-24-00094	50	1.00	1.00	2.00	2.00	100.0	oily-debris
P3492-01	Y2309-0098-1-1	51	1.00	1.00	2.00	2.00	100.0	pilc
P3492-02	Y2309-0098-1-2	52	1.00	1.00	2.00	2.00	100.0	pilc
P3493-01	628-A	53	1.17	8.41	9.58	9.54	99.5	
P3493-02	628-B	54	1.16	8.42	9.58	9.51	99.2	
P3494-01	ORA-1899	55	1.00	1.00	2.00	2.00	100.0	wipe sample

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 08/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 08/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB131878

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
P3494-02	ORA-1900	56	1.00	1.00	2.00	2.00	100.0	wipe sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

HB131878

WorkList Name : %1-08062024 **WorkList ID :** 182379 **Department :** Wet-Chemistry **Date :** 08-06-2024 09:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3474-01	WC-A1-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-03	WC-A1-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-04	WC-B1-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-06	WC-B1-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-07	WC-A2-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-09	WC-A2-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-10	WC-B2-COMP	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3474-12	WC-B2-GRAB	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3475-01	S-866-N-SO-0-0.5-080524	Solid	Percent Solids	Cool 4 deg C	EART12	D21	08/05/2024	Chemtech -SO
P3475-02	S-866-N-SO-1.0-1.5-080524	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-03	P3475-02MS	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-04	P3475-02MSD	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-05	S-858-N-SO-1.0-1.5-080524	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-06	P3475-05MS	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3475-07	P3475-05MSD	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3476-02	MUL04	Solid	Percent Solids	Cool 4 deg C	JACO05	D31	08/05/2024	Chemtech -SO
P3476-04	MUL05	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3476-06	MUL06	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3476-08	MUL07	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3478-04	TS04	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3478-06	TS05	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO

Date/Time 08/06/24 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/06/24 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 131878

WorkList Name : %1-08062024 **WorkList ID :** 182379 **Department :** Wet-Chemistry **Date :** 08-06-2024 09:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3478-08	TS06	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3478-10	TS07	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-02	TS08	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-04	TS09	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-06	TS10	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3479-08	TS11	Solid	Percent Solids	Cool 4 deg C	ROYF02	D21	08/05/2024	Chemtech -SO
P3483-01	A	Solid	Percent Solids	Cool 4 deg C	BROO04	D31	08/06/2024	Chemtech -SO
P3484-01	B	Solid	Percent Solids	Cool 4 deg C	BROO04	D31	08/06/2024	Chemtech -SO
P3485-01	C	Solid	Percent Solids	Cool 4 deg C	BROO04	D21	08/06/2024	Chemtech -SO
P3487-01	0726-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3487-02	0726-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3487-03	0726-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3487-05	0723-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3488-01	HD-01-080624	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3488-02	HD-01-080624-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3488-03	HD-02-080624	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3488-04	HD-02-080624-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/06/2024	Chemtech -SO
P3489-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO

Date/Time 08/06/24 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 08/06/24 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 131878

WorkList Name : %1-08062024 **WorkList ID :** 182379 **Department :** Wet-Chemistry **Date :** 08-06-2024 09:09:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3489-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3489-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	K11	08/06/2024	Chemtech -SO
P3491-01	72-11936	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-02	SOM-24-00087	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-03	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3491-05	SOM-24-00094	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3492-01	Y2309-0098-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3492-02	Y2309-0098-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3493-01	628-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO
P3493-02	628-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/06/2024	Chemtech -SO
P3494-01	ORA-1899	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/06/2024	Chemtech -SO
P3494-02	ORA-1900	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/06/2024	Chemtech -SO

Date/Time 08/06/24 15:20
Raw Sample Received by: BD CWC
Raw Sample Relinquished by: CP

Date/Time 08/06/24 17:10
Raw Sample Received by: CP
Raw Sample Relinquished by: BD CWC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162520

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/06/2024
Matrix :	Solid			**Extraction Start Time :**	08:26
Weigh By:	EH	**Extraction By:**	RS	**Extraction End Date :**	08/06/2024
Balance check:	EH	**Filter By:**	RS	**Extraction End Time :**	14:15
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	SP6525
Surrogate	1.0ML	100/150 PPM	SP6524
LOD	1.0ML	N/A	SP6507/6508
LOD	1.0ML	N/A	SP6509
LOQ	1.0ML	N/A	SP6510

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2511
Baked Na2SO4	N/A	EP2519
Sand	N/A	E2865
Methylene Chloride	N/A	E3786
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.P3474,3475 Added in batch at 11:19.

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
08/06/24	RP (Ext. Lab)	BC/SVOC
14:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162520

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 08/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162520BL	SBLK520	SVOC-TCL BNA -20	30.01	N/A	RUPESH	Evelyn	1			U4-1
PB162520BS	SLCS520	SVOC-TCL BNA -20	30.03	N/A	RUPESH	Evelyn	1			2
P3390-01	LOD-MDL-SOIL-01-QT3-2024	SVOC-Chemtech Full -25	30.01	N/A	RUPESH	Evelyn	1			3
P3390-02	LOQ-SOIL-02-QT3-2024	SVOC-Chemtech Full -25	30.03	N/A	RUPESH	Evelyn	1			4
P3468-01	IDW-S1-01	SVOC-TCL BNA -20	30.07	N/A	RUPESH	Evelyn	1	G		5
P3474-01	WC-A1-COMP	SVOC-TCL BNA -20	30.06	N/A	RUPESH	Evelyn	1	A		6
P3474-04	WC-B1-COMP	SVOC-TCL BNA -20	30.05	N/A	RUPESH	Evelyn	1	A		U5-1
P3474-07	WC-A2-COMP	SVOC-TCL BNA -20	30.10	N/A	RUPESH	Evelyn	1	A		2
P3474-10	WC-B2-COMP	SVOC-TCL BNA -20	30.08	N/A	RUPESH	Evelyn	1	A		3
P3475-01	S-866-N-SO-0-0.5-080524	SVOCMS Group5	30.05	N/A	RUPESH	Evelyn	1	A		6
P3475-02	S-866-N-SO-1.0-1.5-080524	SVOCMS Group5	30.04	N/A	RUPESH	Evelyn	1	A		U6-1
P3475-03	P3475-02MS	SVOCMS Group5	30.08	N/A	RUPESH	Evelyn	1	A		2
P3475-04	P3475-02MSD	SVOCMS Group5	30.02	N/A	RUPESH	Evelyn	1	A		3

* **Extracts relinguished on the same date as received.**

8/6/24

160520
BN 11:19

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3474SVOC **WorkList ID :** 182389 **Department :** Extraction **Date :** 08-06-2024 11:19:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3474-01	WC-A1-COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EART12	D21	08/05/2024	8270E
P3474-04	WC-B1-COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EART12	D21	08/05/2024	8270E
P3474-07	WC-A2-COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EART12	D21	08/05/2024	8270E
P3474-10	WC-B2-COMP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EART12	D21	08/05/2024	8270E
P3475-01	S-866-N-SO-0-0.5-080524	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D31	08/05/2024	8270E
P3475-02	S-866-N-SO-1.0-1.5-080524	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D31	08/05/2024	8270E
P3475-03	P3475-02MS	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D31	08/05/2024	8270E
P3475-04	P3475-02MSD	Solid	SVOCMS Group5	Cool 4 deg C	JACO05	D31	08/05/2024	8270E

Date/Time 08/06/24 11:19
Raw Sample Received by: RS (Eat 1647)
Raw Sample Relinquished by:

Date/Time 08/06/24 11:40
Raw Sample Received by:
Raw Sample Relinquished by: RS (Eat 1647)

16/5/20 8:26 BW

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3468SVOC **WorkList ID :** 182377 **Department :** Extraction **Date :** 08-06-2024 08:12:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3390-01	LOD-MDL-SOIL-01-QT3-2024	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	07/29/2024	8270E
P3390-02	LOQ-SOIL-02-QT3-2024	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	07/29/2024	8270E
P3468-01	IDW-S1-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	TECH05	D21	08/02/2024	8270E

Date/Time 08/06/24 8:20

Raw Sample Received by: RS (Sept Corp)

Raw Sample Relinquished by: CP

Date/Time 08/06/24 8:45

Raw Sample Received by: CP

Raw Sample Relinquished by: RS (Sept Corp)

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

Prep Standard - Chemical Standard Summary

Order ID : P3475

Test : SVOCMS Group2

Prepbatch ID : PB162520,

Sequence ID/Qc Batch ID: Bf081324,BF081424,BF081524,BF081624,

Standard ID :
EP2511,EP2519,SP6506,SP6507/6508,SP6509,SP6510,SP6524,SP6525,SP6549,SP6550,SP6551,SP6552,SP6553,SP6554,SP6555,SP6556,SP6557,SP6558,SP6559,SP6573,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3743,E3744,E3746,E3753,E3768,E3769,E3786,S10102,S10247,S10398,S10591,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11092,S11096,S11102,S11136,S11148,S11434,S11546,S11548,S11554,S11557,S11560,S11563,S11564,S11565,S11566,S11762,S11763,S11764,S11765,S11766,S11898,S11899,S11900,S11901,S11902,S11903,S11904,S11905,S11906,S12033,S12041,S12076,S12088,S12089,S12090,S12091,S12092,S12093,S12094,S12095,S12096,S12097,S12112,S12117,S9675,

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Fax : 908 789 8922

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2519	08/02/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/02/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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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
1366	LOQ & LOD 20 PPM	SP6506	05/16/2024	11/13/2024	Jagrut Upadhyay	None	None	mohammad ahmed 05/16/2024

FROM 0.20000ml of S11762 + 0.40000ml of S11557 + 0.40000ml of S11902 + 0.40000ml of S12089 + 18.60000ml of E3743 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2081	LOQ & LOD 8 PPM	SP6509	05/16/2024	11/13/2024	Jagrut Upadhyay	None	None	mohammad ahmed 05/16/2024

FROM 4.80000ml of E3743 + 3.20000ml of SP6506 = Final Quantity: 8.000 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
3749	LOQ & LOD 10PPM	SP6510	05/16/2024	11/13/2024	Jagrut Upadhyay	None	None	mohammad ahmed 05/16/2024

FROM 5.00000ml of E3743 + 5.00000ml of SP6506 = Final Quantity: 10.000 ml

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

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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
171	8270/625 Spike Solution, 50/100 PPM	SP6525	06/05/2024	08/29/2024	Rahul Chavli	None	None	Yogesh Patel 06/13/2024

FROM 0.20000ml of S11902 + 0.20000ml of S12117 + 0.40000ml of S10398 + 0.40000ml of S10591 + 0.40000ml of S11012 + 0.40000ml of S11136 + 0.40000ml of S11901 + 0.40000ml of S9675 + 0.50000ml of S12096 + 0.70000ml of S12089 + 0.80000ml of S11546 + 0.80000ml of S11566 + 0.90000ml of S11557 + 0.90000ml of S11762 + 0.90000ml of S12088 + 1.10000ml of S11564 + 1.20000ml of S11548 + 1.20000ml of S11554 + 1.20000ml of S11563 + 1.20000ml of S11903 + 1.20000ml of S11905 + 1.20000ml of S12094 + 1.30000ml of S11565 + 1.30000ml of S11763 + 1.30000ml of S11765 + 1.30000ml of S11899 + 1.30000ml of S11900 + 1.30000ml of S11904 + 1.30000ml of S12091 + 1.30000ml of S12092 + 1.30000ml of S12095 + 1.40000ml of S11906 + 1.40000ml of S12090 + 1.40000ml of S12093 + 1.50000ml of S11560 + 1.50000ml of S11764 + 1.50000ml of S11898 + 163.00000ml of E3753 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	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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Fax : 908 789 8922

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

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24C0162011	11/16/2024	05/16/2024 / Rajesh	04/26/2024 / Rajesh	E3743

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	23H1462005	12/01/2024	06/01/2024 / Rajesh	05/31/2024 / Rajesh	E3753

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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-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 #
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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	08/29/2024	02/29/2024 / Jagrut	07/05/2022 / Christian	S10591

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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	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

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-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-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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	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 #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	08/29/2024	02/29/2024 / Jagrut	02/20/2023 / Christian	S11136

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

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	10/26/2024	04/26/2024 / Rahul	09/18/2023 / Kiran	S11546

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	S11548

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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]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11554

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	11/16/2024	05/16/2024 / Jagrut	09/18/2023 / Kiran	S11557

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	S11560

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	S11563

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	S11564

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	S11565

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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]	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	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	11/13/2024	05/13/2024 / Jagrut	11/21/2023 / Rahul	S11762

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	12/05/2024	06/05/2024 / Rahul	11/21/2023 / Rahul	S11763

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	12/05/2024	06/05/2024 / Rahul	11/21/2023 / Rahul	S11764

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	12/05/2024	06/05/2024 / Rahul	11/21/2023 / Rahul	S11765

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	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11898

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11899

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11900

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]	A0197982	10/26/2024	04/26/2024 / Rahul	11/21/2023 / rahul	S11901

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]	A0197982	11/16/2024	05/16/2024 / Jagrut	11/21/2023 / rahul	S11902

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11903

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11904

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11905

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]	A0197982	11/30/2024	06/05/2024 / Rahul	11/21/2023 / rahul	S11906

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	02/13/2025	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	10/26/2024	04/26/2024 / Rahul	02/05/2024 / Rahul	S12088

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	11/16/2024	05/16/2024 / Jagrut	02/05/2024 / Rahul	S12089

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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12090

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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12091

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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12092

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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12093

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0207706	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12094

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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12095

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	12/05/2024	06/05/2024 / Rahul	02/05/2024 / Rahul	S12096

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 #
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

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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	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0175226	08/31/2024	06/05/2024 / Rahul	08/12/2021 / Christian	S9675

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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

*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.

CPI INTERNATIONAL

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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 08/12/21 by CG S 9671 to S 9675

Catalog No. : 555869 **Lot No.:** A0175226

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Hexachlorocyclopentadiene	25,032.0 µg/mL	+/- 231.6508 µg/mL	Gravimetric
	CAS # 77-47-4 (Lot 0012019)		+/- 1,251.3257 µg/mL	Unstressed
	Purity 99%		+/- 1,281.8032 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Lane Kibe - Mix Technician **Date Mixed:** 09-Aug-2021 **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 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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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 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

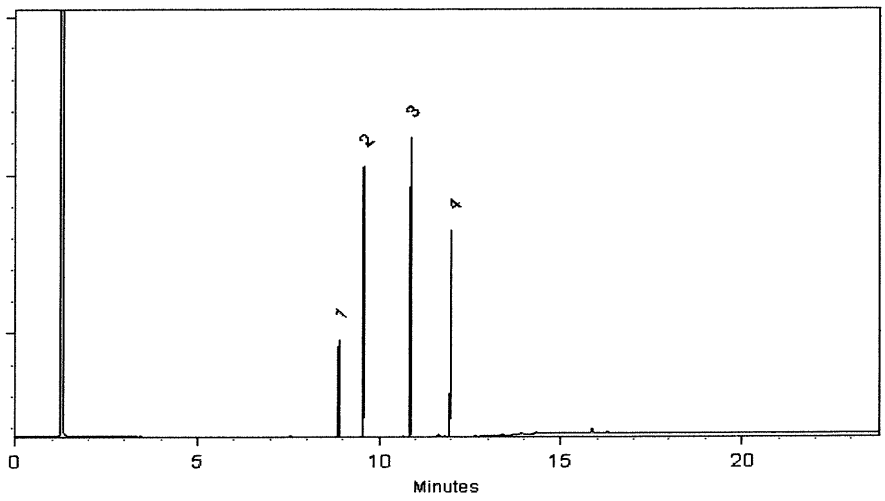
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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 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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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

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
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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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 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)

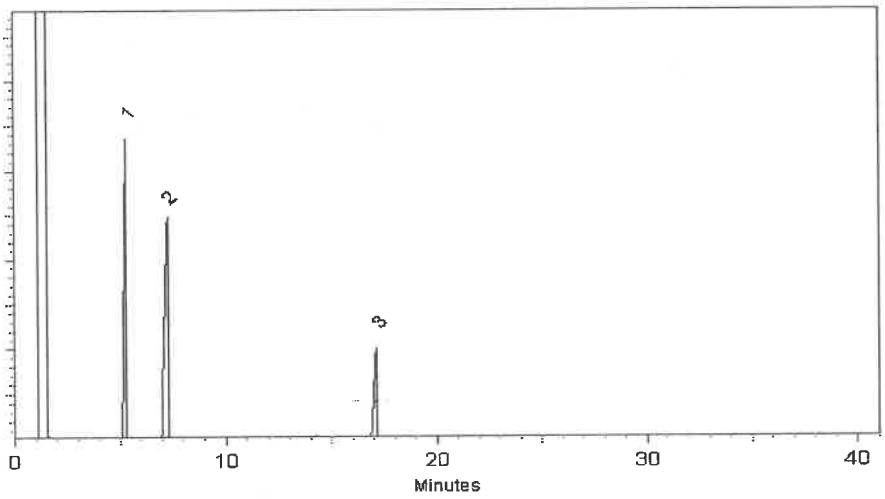
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

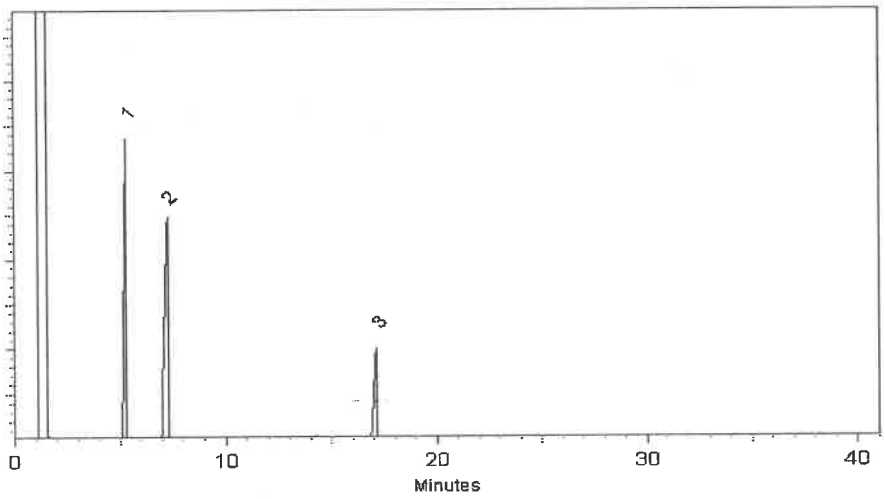
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

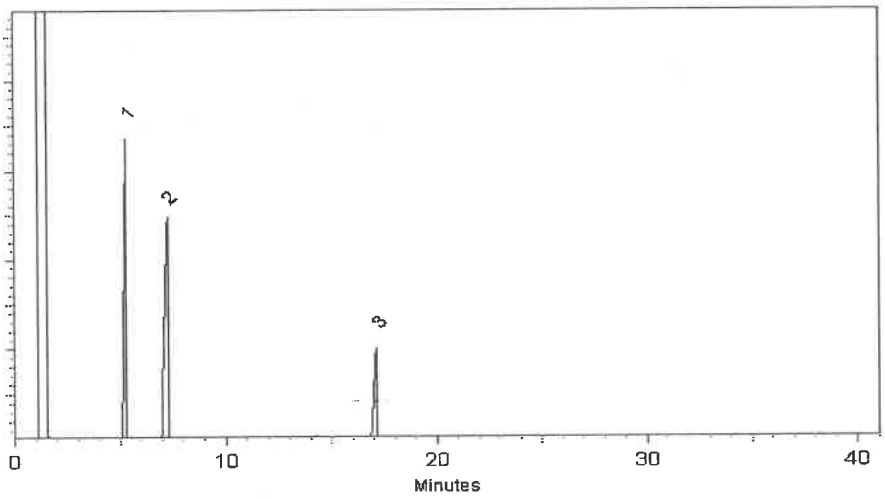
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

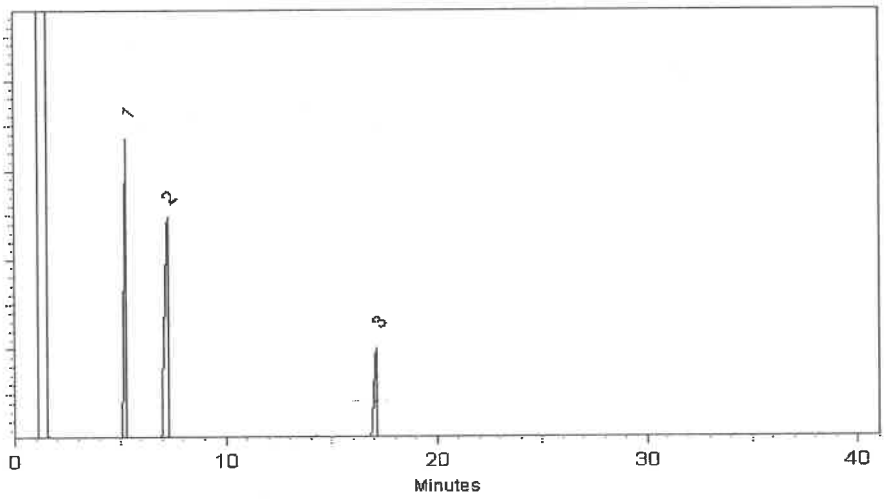
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

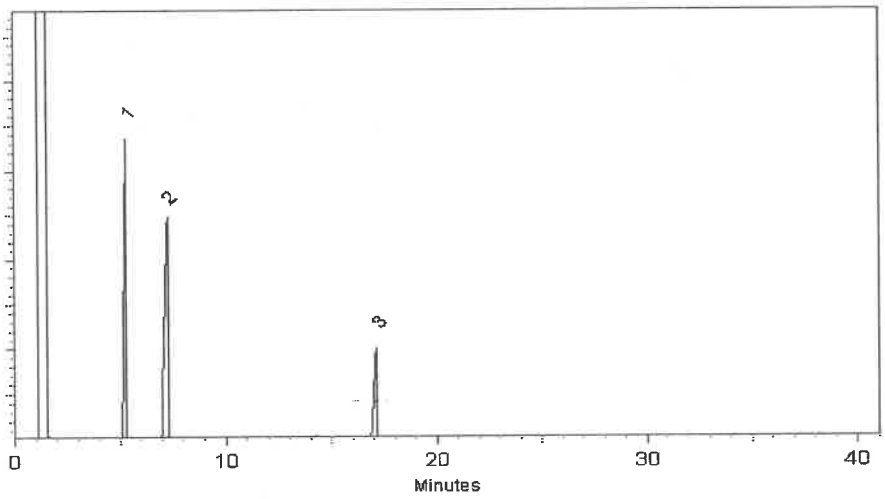
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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)

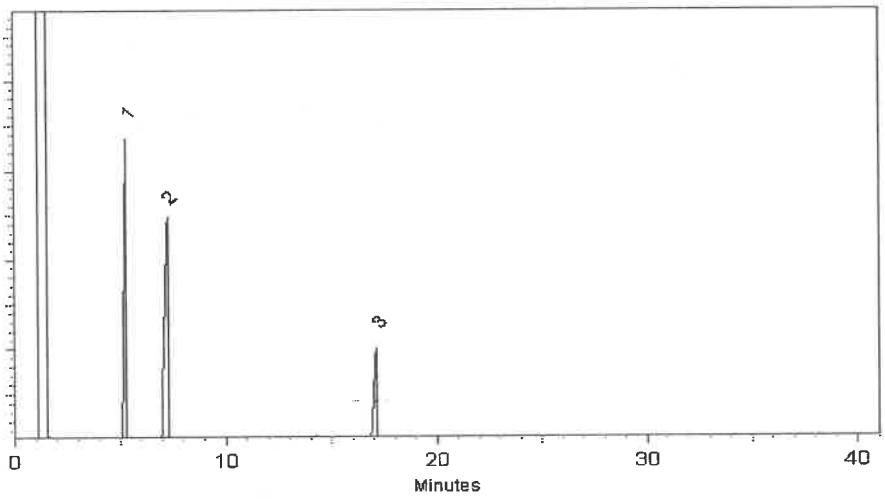
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 #3222.01

ilac-MRA

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Received by CG on 12/28/22 $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)

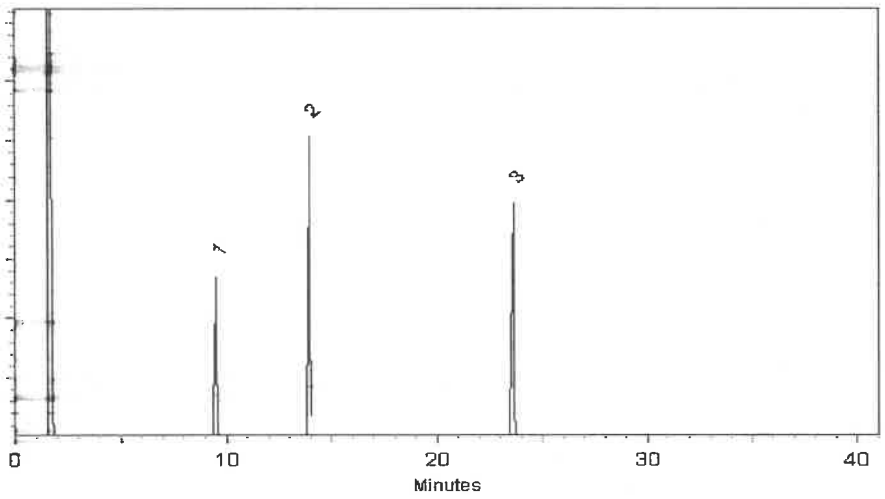
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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)

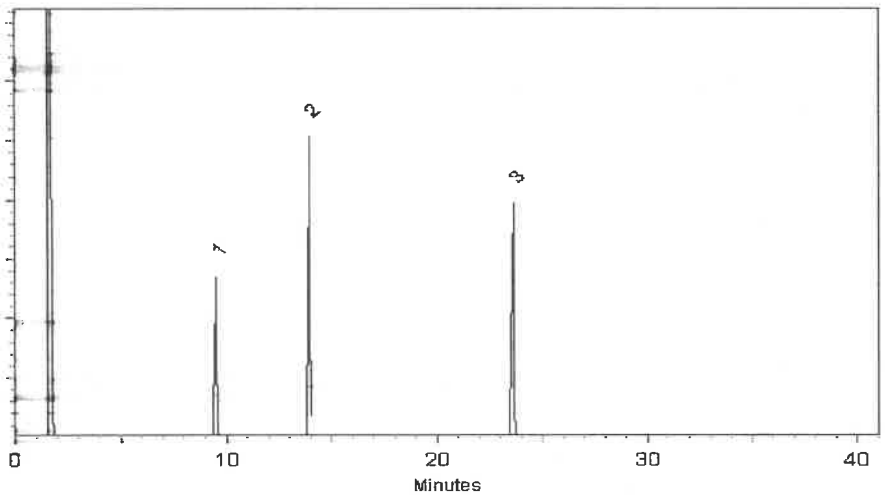
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

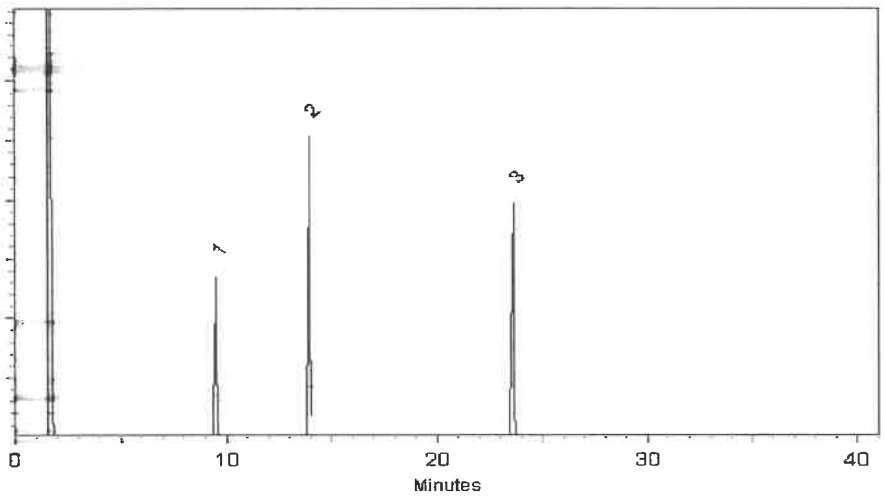
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
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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
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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)

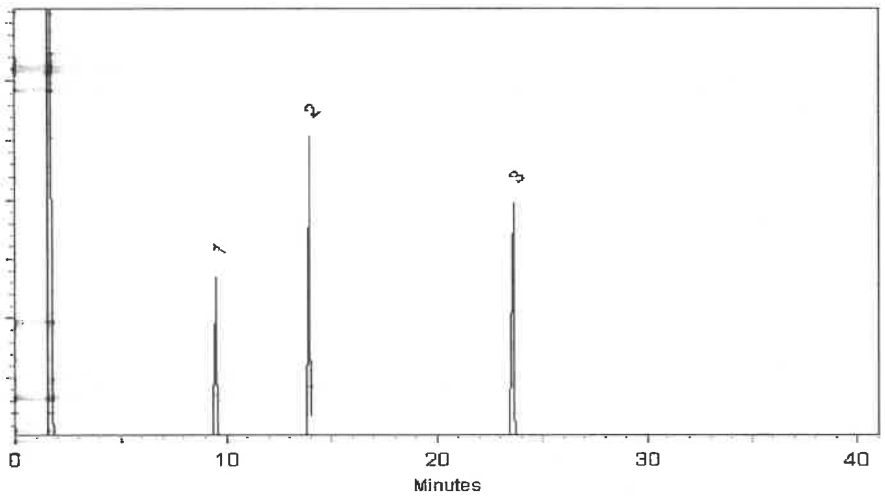
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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)

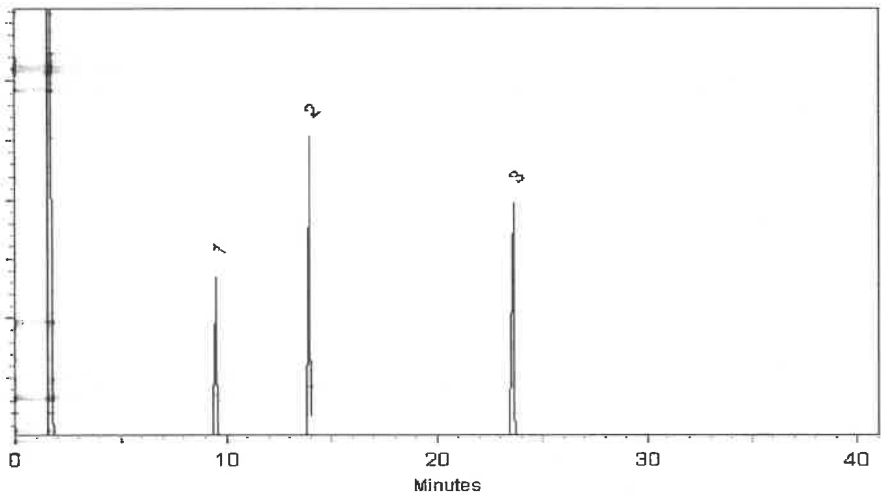
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

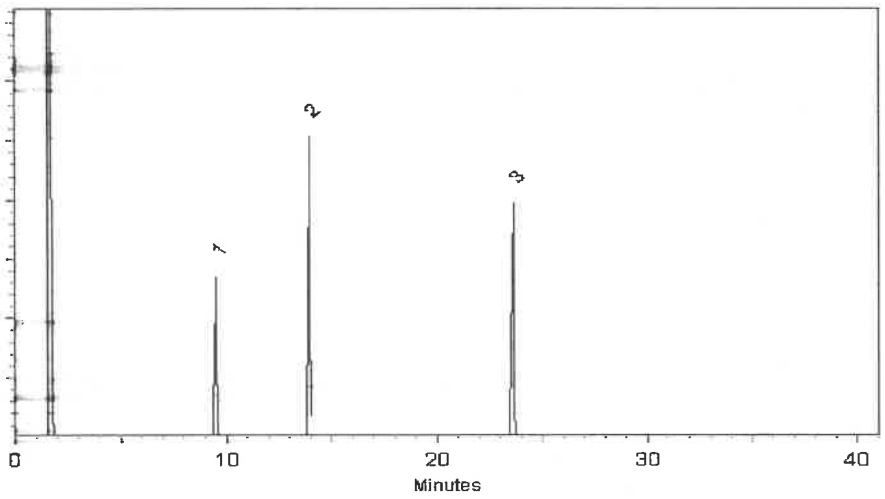
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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)

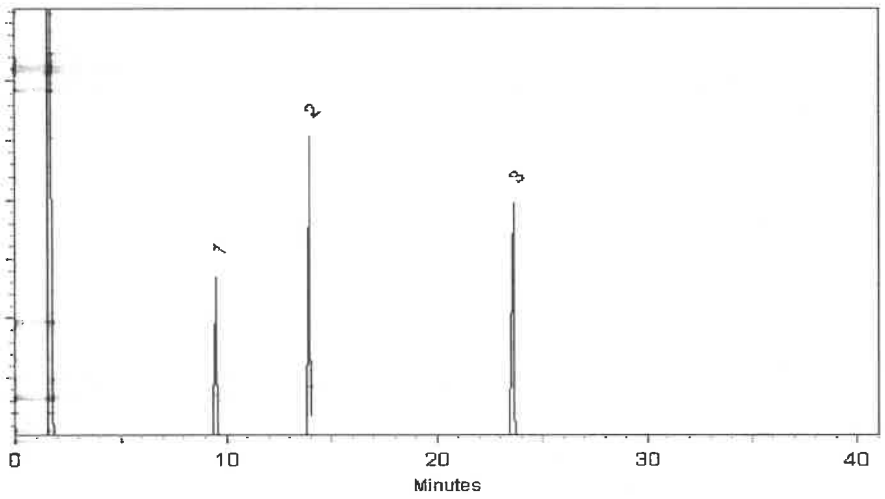
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hydrogen-constant pressure 10 psi.

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Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

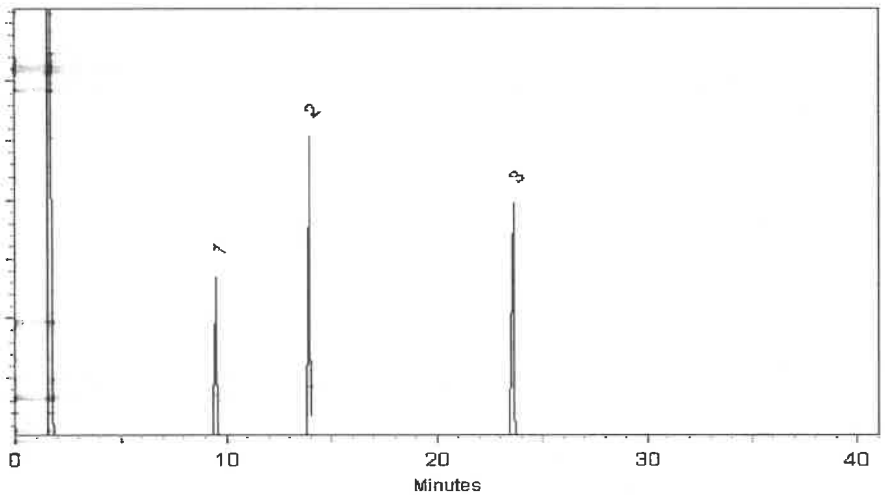
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Inj. Temp:
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Det. Temp:
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Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ɜnded condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

ıds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ɔmpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

ɜrtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ıty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ıty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

ɜrage factor of 2, which gives a level of confidence of approximately 95%.

ıged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily Γ traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ɳ, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ɟards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ɜm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.B

Material No.: 926
Batch No.: 24C01E
Manufactured Date: 2024-C
Expiration Date: 2025-C
Revision I

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 3743

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 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

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 5/31/24

E3753

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

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

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

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.

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

511539 ↓ 511568 Y.P. 091 191

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

511539 ↓ 511568 Y.P. 091 191

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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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- 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.

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Handling Notes:

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Tel: 1-814-353-1300
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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

511539 ↓ 511568 Y.P. 091 191

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%.
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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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RESTEK
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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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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

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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

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

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110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

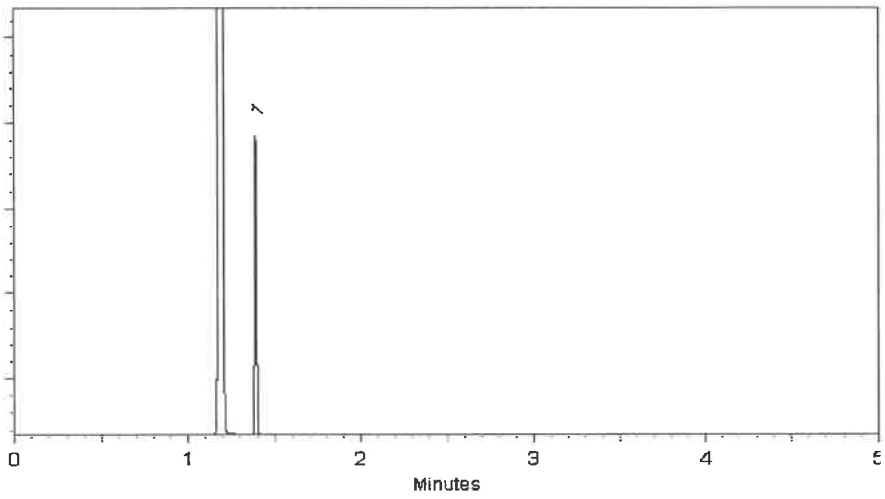
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

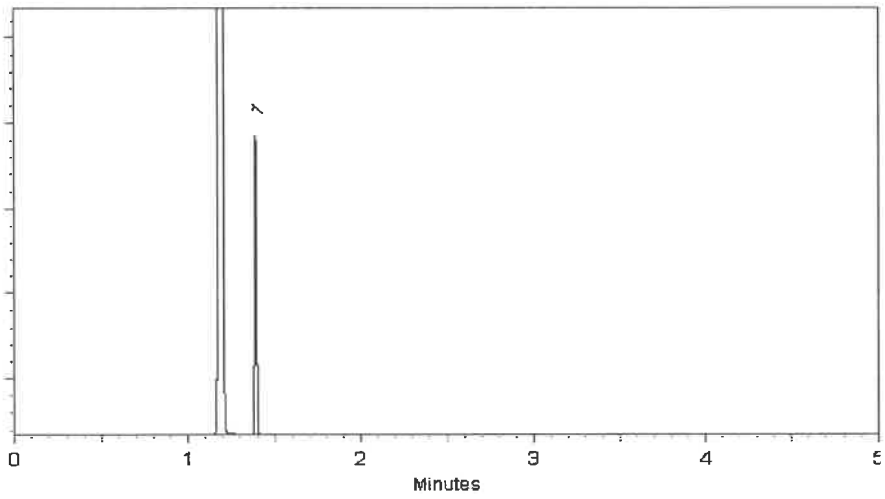
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.)

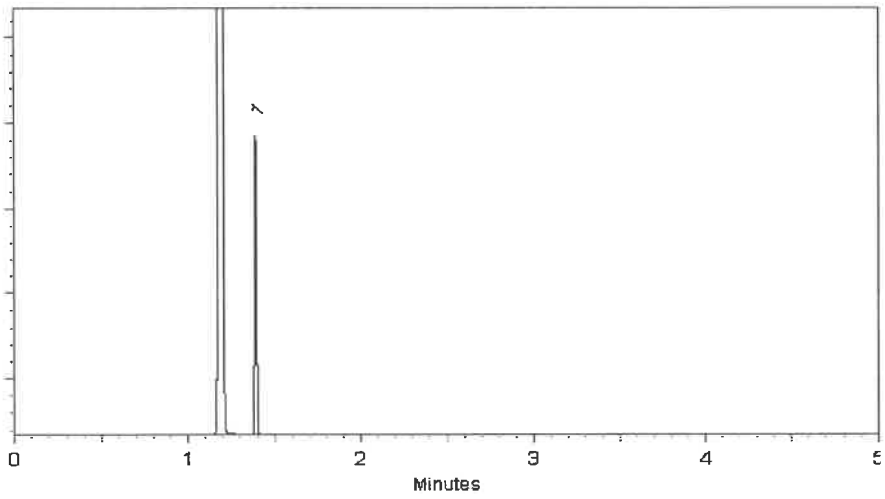
Inj. Temp:
250°C

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.
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Purity Notes:

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Manufacturing Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

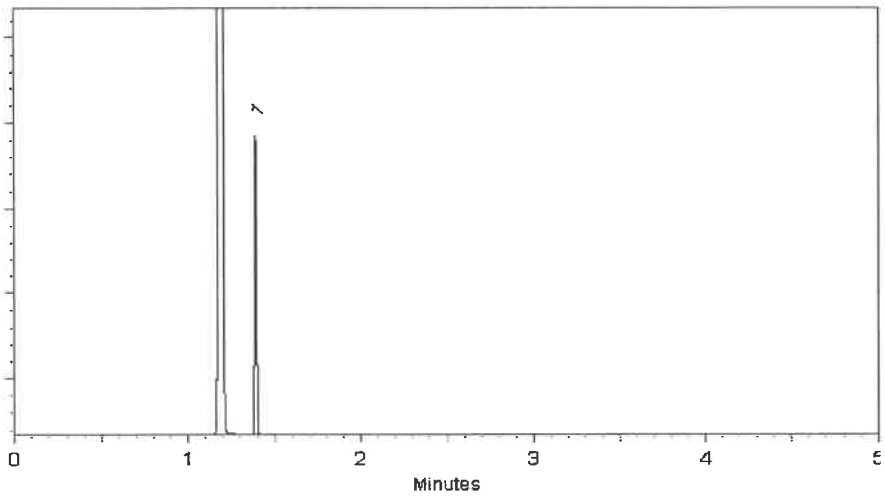
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Certified Uncertainty Value Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

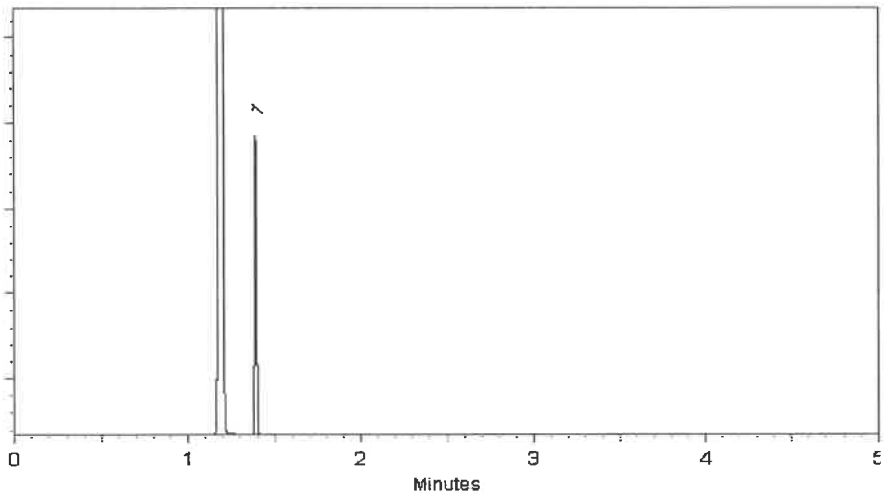
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

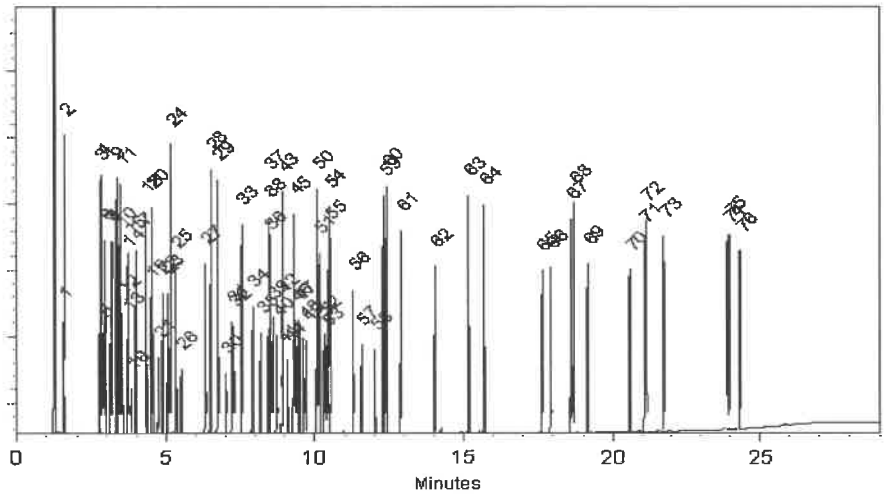
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

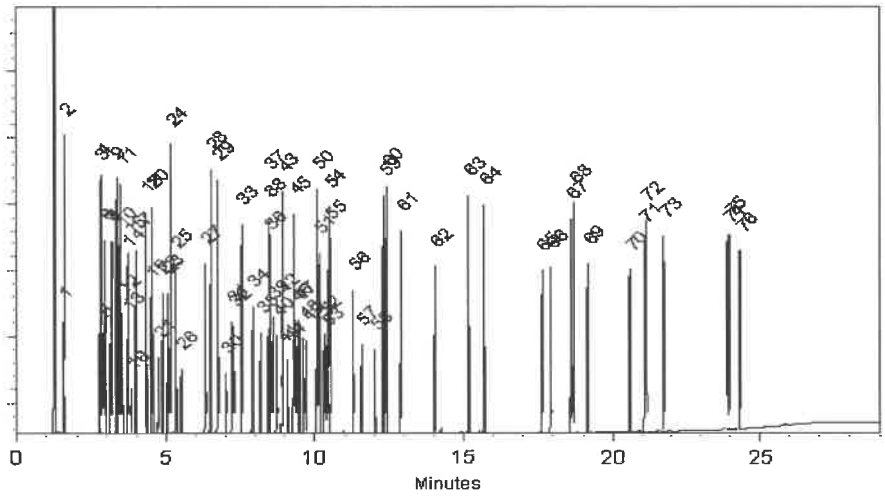
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

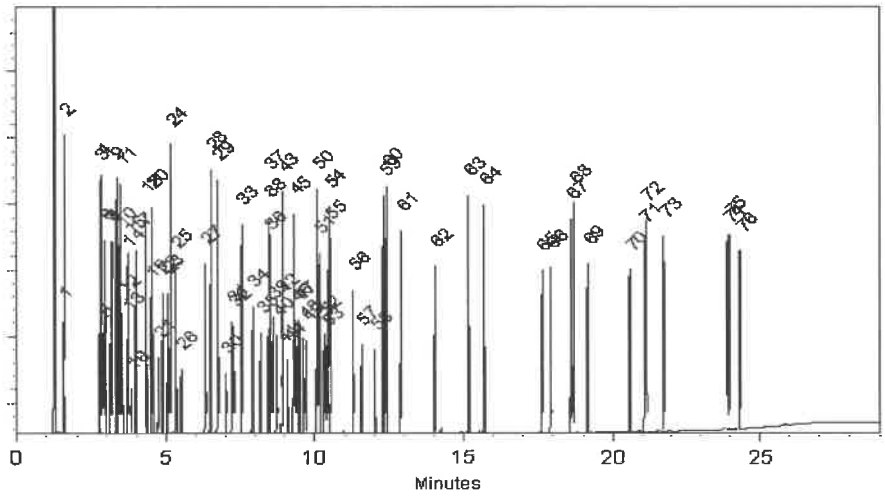
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

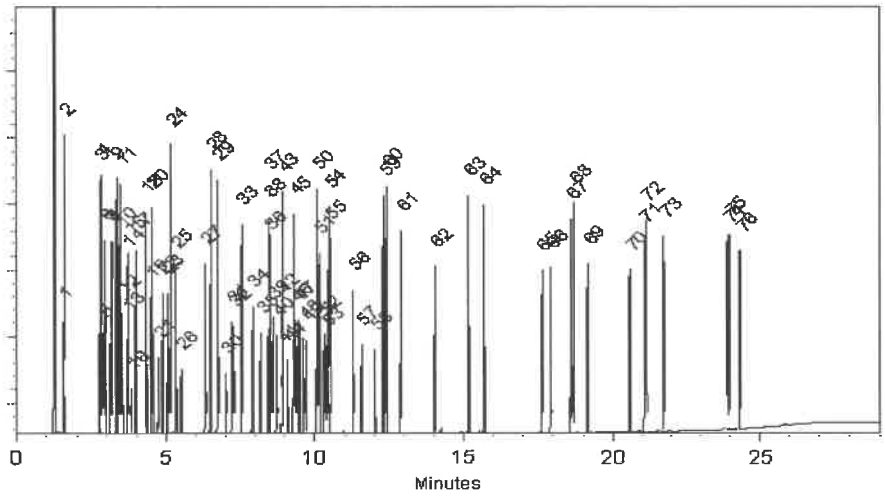
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

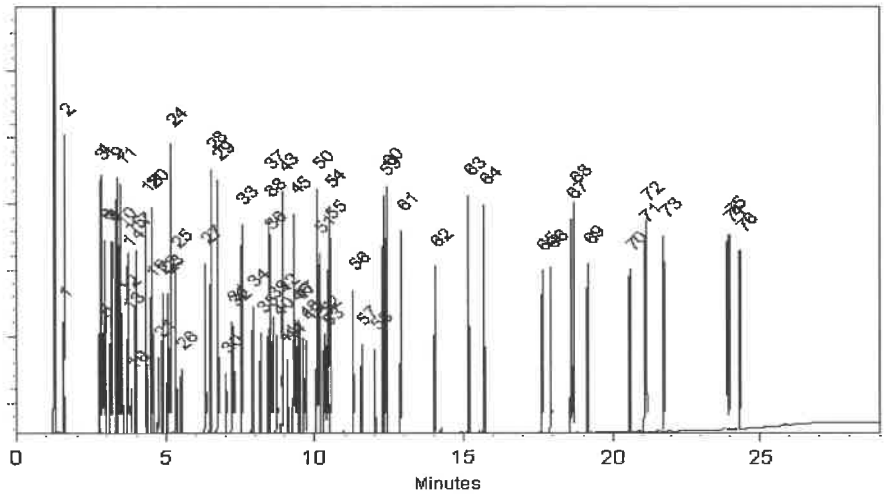
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

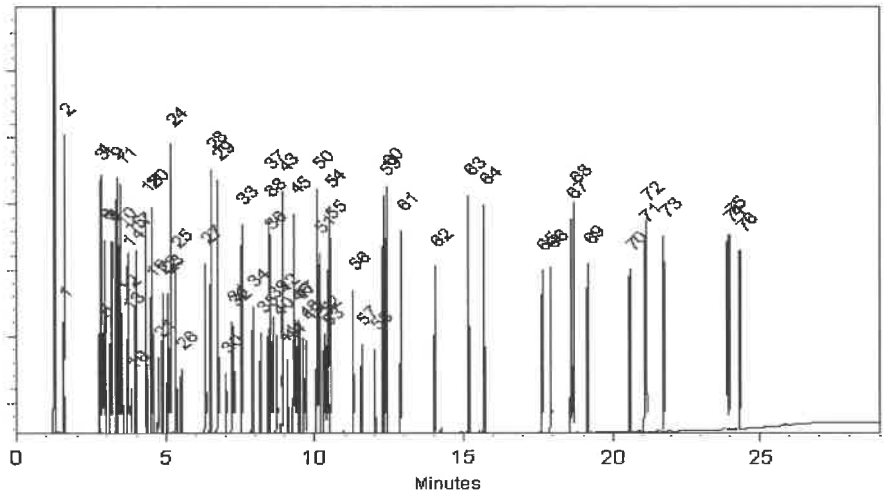
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

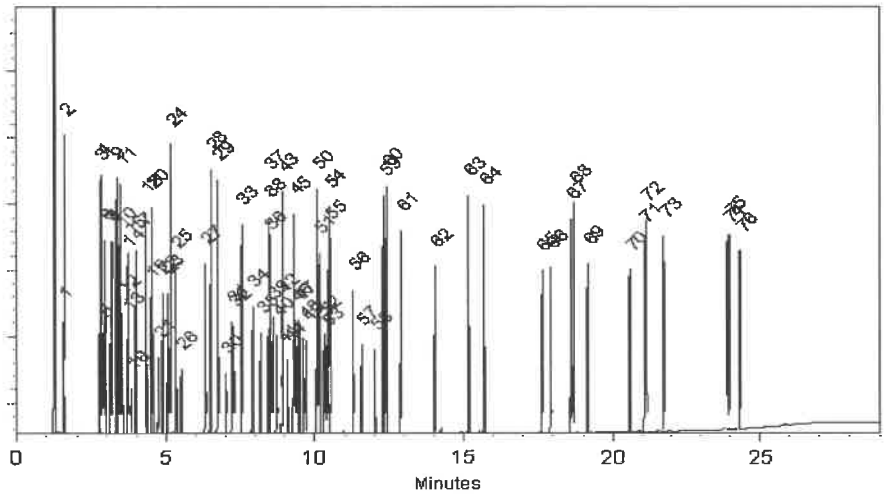
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

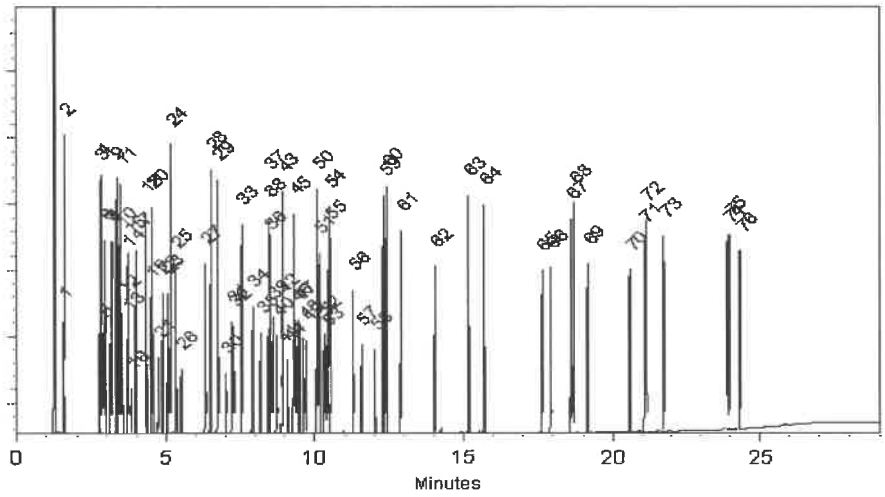
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

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

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.:** A0197982

Description : 8270 MegaMix®

8270 MegaMix® 500-1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2024 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S11877 ↓ S11906 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBN7324	99%	1,006.9 µg/mL	+/- 36.6352
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,007.4 µg/mL	+/- 36.6514
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5746
4	Aniline	62-53-3	X22F726	99%	1,004.6 µg/mL	+/- 36.5503
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,005.1 µg/mL	+/- 36.5665
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.1 µg/mL	+/- 36.6392
7	1,3-Dichlorobenzene	541-73-1	BCBZ7498	99%	1,006.7 µg/mL	+/- 36.6251
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,005.6 µg/mL	+/- 36.5867
9	Benzyl alcohol	100-51-6	SHBK5943	99%	1,005.4 µg/mL	+/- 36.5786
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,003.9 µg/mL	+/- 36.5240
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,002.3 µg/mL	+/- 36.4654
12	2,2'-oxybis(1-chloropropane)	108-60-1	230329JLM	99%	1,004.3 µg/mL	+/- 36.5402
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2671
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	501.9 µg/mL	+/- 18.2631
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.0 µg/mL	+/- 36.5281
16	Hexachloroethane	67-72-1	QTORH	99%	1,006.1 µg/mL	+/- 36.6029
17	Nitrobenzene	98-95-3	10224044	99%	1,003.1 µg/mL	+/- 36.4957

18	Isophorone	78-59-1	MKCC9506	99%	1,003.8	µg/mL	+/- 36.5220
19	2-Nitrophenol	88-75-5	RP230509C	99%	1,005.8	µg/mL	+/- 36.5948
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.2	µg/mL	+/- 36.5341
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,006.3	µg/mL	+/- 36.6130
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,004.0	µg/mL	+/- 36.5281
23	1,2,4-Trichlorobenzene	120-82-1	SHBM0526	99%	1,007.1	µg/mL	+/- 36.6413
24	Naphthalene	91-20-3	MKCH0219	99%	1,006.7	µg/mL	+/- 36.6271
25	4-Chloroaniline	106-47-8	WXBC4601V	99%	1,005.4	µg/mL	+/- 36.5806
26	Hexachlorobutadiene	87-68-3	X05J	99%	1,006.4	µg/mL	+/- 36.6170
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.7	µg/mL	+/- 36.5543
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,002.3	µg/mL	+/- 36.4679
29	1-Methylnaphthalene	90-12-0	5234.00-3	99%	1,000.0	µg/mL	+/- 36.3825
30	Hexachlorocyclopentadiene	77-47-4	0012019	99%	1,006.1	µg/mL	+/- 36.6049
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.9	µg/mL	+/- 36.5604
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,006.5	µg/mL	+/- 36.6176
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.4	µg/mL	+/- 36.5422
34	2-Nitroaniline	88-74-4	RP230509A	99%	1,002.3	µg/mL	+/- 36.4654
35	1,4-Dinitrobenzene	100-25-4	RP230512A	99%	1,001.5	µg/mL	+/- 36.4371
36	Acenaphthylene	208-96-8	L10L	95%	1,003.4	µg/mL	+/- 36.5066
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.8	µg/mL	+/- 36.5564
38	Dimethylphthalate	131-11-3	10117699	99%	1,004.7	µg/mL	+/- 36.5543
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.8	µg/mL	+/- 36.6312
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,006.4	µg/mL	+/- 36.6170
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3825
42	3-Nitroaniline	99-09-2	MKCH5457	99%	1,004.8	µg/mL	+/- 36.5584
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,005.8	µg/mL	+/- 36.5948
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.3	µg/mL	+/- 36.5402
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,005.8	µg/mL	+/- 36.5928
46	4-Nitrophenol	100-02-7	RP230511A	99%	1,005.8	µg/mL	+/- 36.5948
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,005.9	µg/mL	+/- 36.5988
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230513	99%	1,004.9	µg/mL	+/- 36.5624
49	Fluorene	86-73-7	10236068	99%	1,005.4	µg/mL	+/- 36.5806
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCQ0984	99%	1,004.3	µg/mL	+/- 36.5382
51	Diethylphthalate	84-66-2	BCCD3396	99%	1,007.1	µg/mL	+/- 36.6392
52	4-Nitroaniline	100-01-6	RP220906	99%	1,005.3	µg/mL	+/- 36.5766
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230505JLM	99%	1,003.8	µg/mL	+/- 36.5200

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.5	µg/mL	+/- 36.4735
55	Azobenzene	103-33-3	BCCG7339	98%	1,003.5	µg/mL	+/- 36.5106
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5847
57	Hexachlorobenzene	118-74-1	14257500	99%	1,005.9	µg/mL	+/- 36.5988
58	Pentachlorophenol	87-86-5	RP230504	99%	1,004.2	µg/mL	+/- 36.5362
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,004.1	µg/mL	+/- 36.5321
60	Anthracene	120-12-7	MKCR0570	99%	1,008.3	µg/mL	+/- 36.6857
61	Carbazole	86-74-8	14351100	99%	1,005.1	µg/mL	+/- 36.5665
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.4	µg/mL	+/- 36.6170
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.7	µg/mL	+/- 36.5159
64	Pyrene	129-00-0	BCCG7845	99%	1,004.3	µg/mL	+/- 36.5382
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,003.4	µg/mL	+/- 36.5058
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,003.4	µg/mL	+/- 36.5079
67	Benz(a)anthracene	56-55-3	0012022BAA	97%	1,004.9	µg/mL	+/- 36.5624
68	Chrysene	218-01-9	RP230512B	99%	1,006.2	µg/mL	+/- 36.6089
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,003.8	µg/mL	+/- 36.5220
70	Di-n-octyl phthalate	117-84-0	13994100	99%	1,004.2	µg/mL	+/- 36.5341
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,008.4	µg/mL	+/- 36.6877
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,004.1	µg/mL	+/- 36.5301
73	Benzo(a)pyrene	50-32-8	J6IUE	99%	1,006.4	µg/mL	+/- 36.6170
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,002.0	µg/mL	+/- 36.4557
75	Dibenz(a,h)anthracene	53-70-3	ER032211-01	99%	1,006.1	µg/mL	+/- 36.6029
76	Benzo(g,h,i)perylene	191-24-2	RP230511B	98%	1,006.8	µg/mL	+/- 36.6295

* 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.)

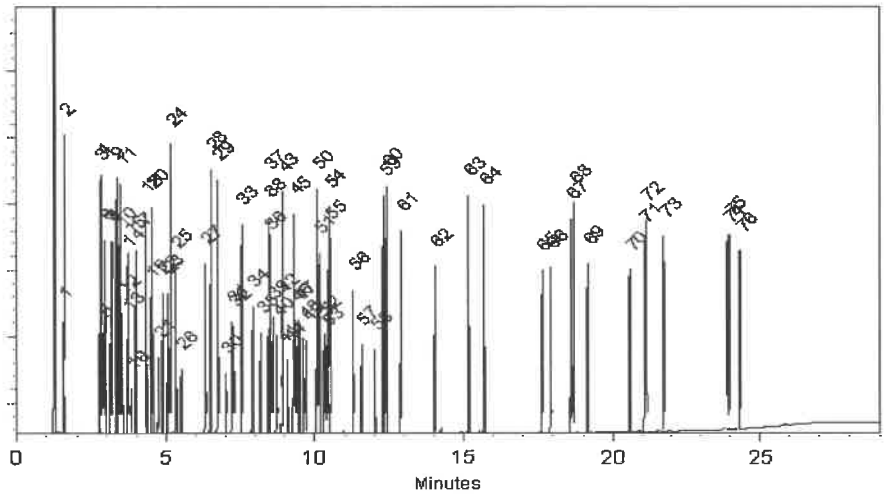
Inj. Temp:
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128353505

Christie Mills - Operations Tech II - ARM QC

Date Passed: 18-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

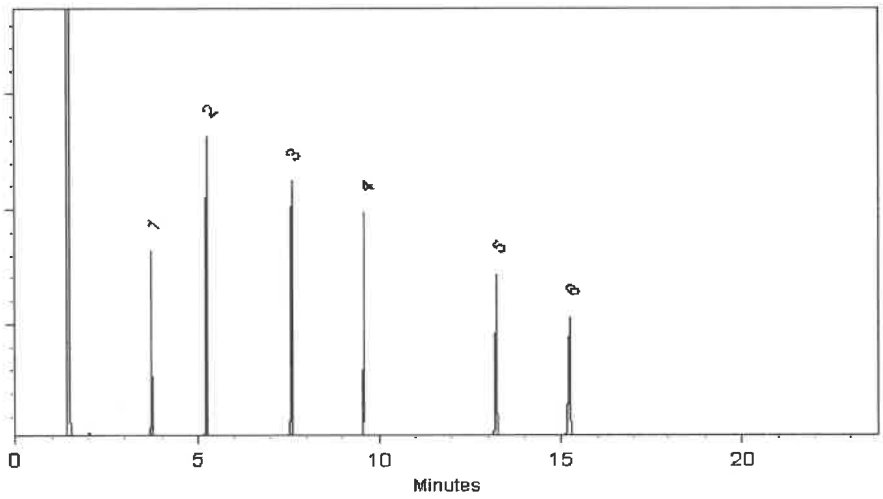
Inj. Temp:
250°C

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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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.)

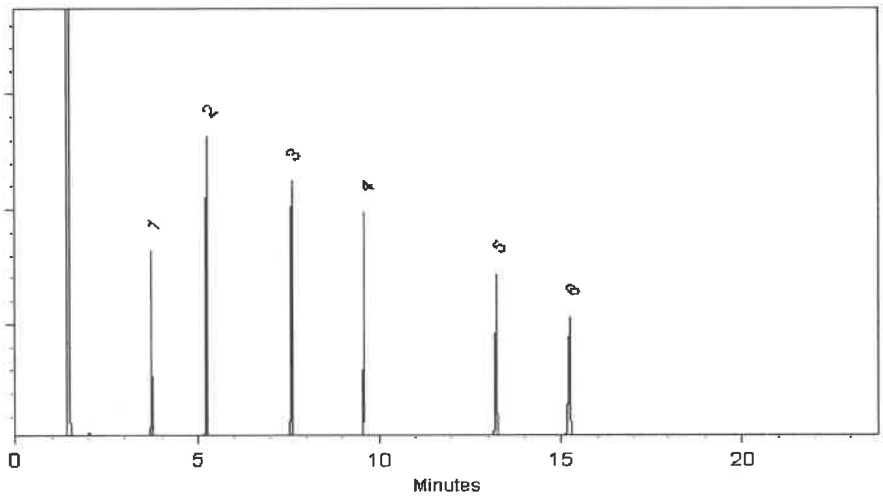
Inj. Temp:
250°C

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

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** 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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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

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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
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

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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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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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2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
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4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
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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

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

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. : 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

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CAS # 75-09-2
Purity 99%

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Date Mixed: 12-Feb-2024 **Balance:** B345965662

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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

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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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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

RESTEK
110 Benner Circle
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Testing Laboratory
Certificate #3222.02

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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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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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

chromatographic plus

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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.
QUOTE NO. P3475
COC Number 2041338

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 1t 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema
PHONE: (201) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779472 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0556 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)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

1 PAHs 2 PCBs 3 Ag 4 5 6 7 8 9

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	E							← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	S-866-N-SO-0-0.5-080524	SO	X		8/5/24	0910	1	1									
2.	S-866-N-SO-1.0-1.5-080524	SO	X		8/5/24	0930	6	3	3								MS/MSD
3.	S-858-KI-SO-1.0-1.5-080524	SO	X		8/5/24	1130	3			3							MS/MSD
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.	8/5/24 1615	1. 1615
2.		2.
3.	8-5-2024 1740	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments: The following PAHs are to be reported only: benzo(a)anthracene, benzo(a)pyrene, and dibenzo(a)anthracene

Page 1 of 1

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

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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.

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